

Pantheon Report

Generated at 2018-08-12 04:20:41 (UTC).

Data path: GCE London Ethernet (*remote*) → GCE Sydney Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 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.

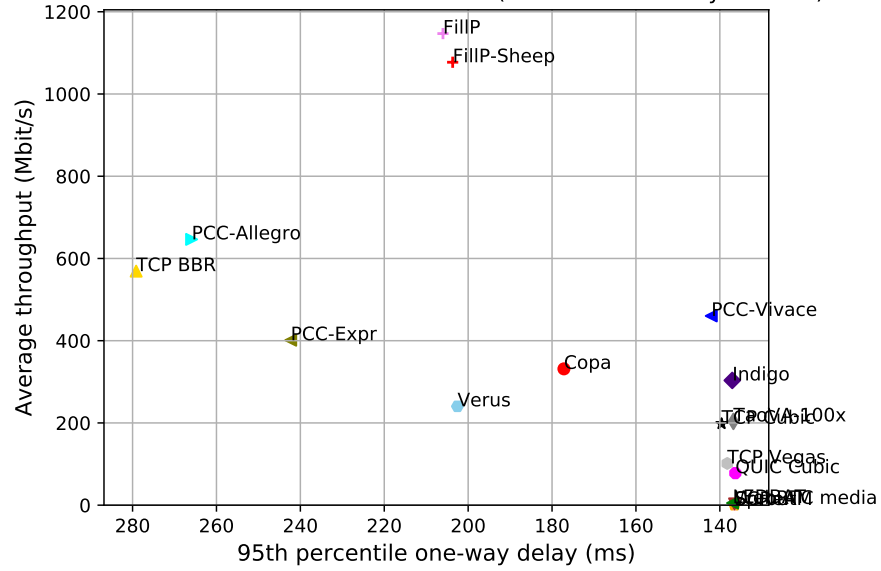
System info:

```
Linux 4.15.0-1014-gcp
net.core.default_qdisc = fq_codel
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
```

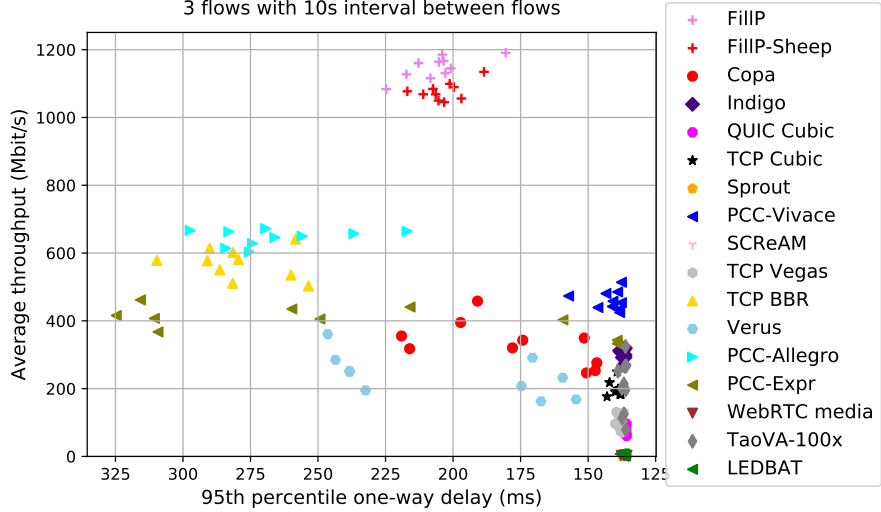
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



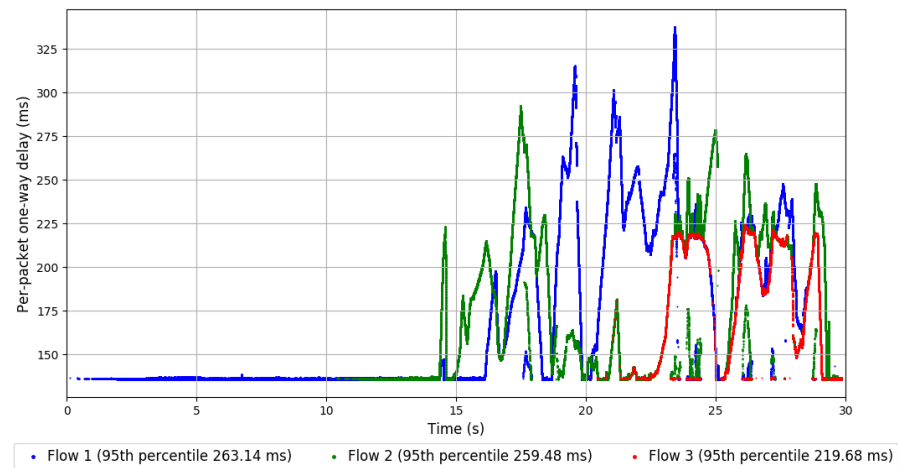
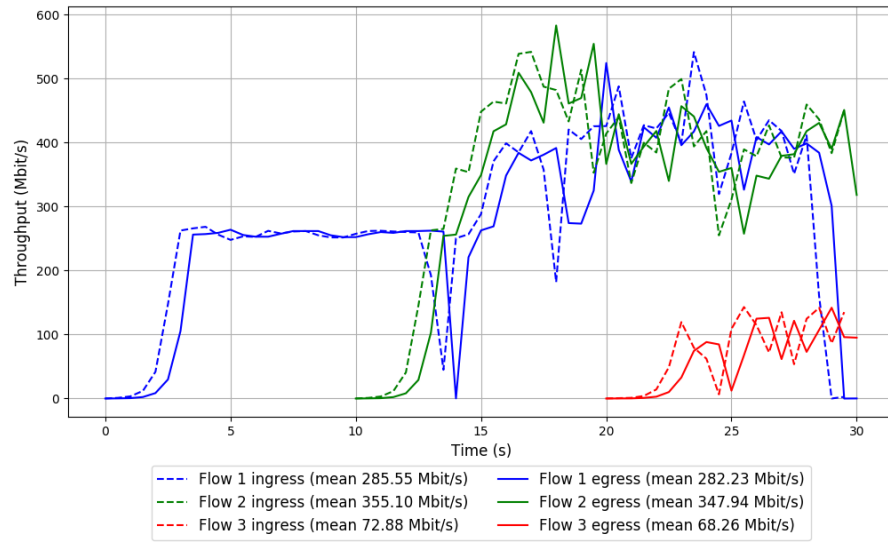
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	336.12	299.01	107.70	284.47	245.81	232.27	4.96	3.94	8.49
Copa	10	187.97	157.71	120.06	169.97	164.19	177.13	1.09	1.51	3.12
TCP Cubic	10	110.52	100.12	65.17	139.25	139.66	143.02	1.34	1.63	4.70
FillP	10	640.14	549.79	438.46	207.40	200.85	175.19	3.68	3.02	3.60
FillP-Sheep	10	600.21	518.12	412.83	206.58	185.88	158.31	3.10	1.71	3.11
Indigo	10	162.25	148.02	133.84	136.80	137.94	138.80	0.85	1.38	3.35
LEDBAT	10	3.32	2.27	1.11	136.97	136.93	136.90	1.93	2.37	5.37
PCC-Allegro	10	469.24	226.25	85.18	274.41	211.52	208.15	6.01	4.04	5.65
PCC-Expr	10	263.82	151.62	114.20	248.25	147.51	168.03	5.25	1.83	3.84
QUIC Cubic	10	40.69	35.63	41.83	136.05	136.13	135.70	0.84	1.41	1.98
SCReAM	10	0.22	0.22	0.22	136.35	136.10	136.15	0.89	1.43	2.56
Sprout	10	0.16	0.18	0.20	136.37	136.46	136.53	0.99	1.50	2.13
TaoVA-100x	10	105.99	91.91	112.79	136.55	136.47	138.27	0.93	1.28	3.66
TCP Vegas	10	46.87	63.18	39.12	137.64	138.32	142.34	0.99	1.51	3.41
Verus	10	142.41	124.68	50.90	180.15	212.08	213.67	1.05	2.38	8.88
PCC-Vivace	10	278.37	211.09	130.32	148.21	145.29	145.33	1.01	1.65	4.41
WebRTC media	10	1.73	1.00	0.33	136.40	136.15	136.42	1.08	1.91	5.49

Run 1: Statistics of TCP BBR

Start at: 2018-08-11 21:01:54
End at: 2018-08-11 21:02:24
Local clock offset: -0.058 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-08-12 01:51:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 535.07 Mbit/s
95th percentile per-packet one-way delay: 259.982 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 282.23 Mbit/s
95th percentile per-packet one-way delay: 263.140 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 347.94 Mbit/s
95th percentile per-packet one-way delay: 259.478 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 68.26 Mbit/s
95th percentile per-packet one-way delay: 219.680 ms
Loss rate: 8.92%

Run 1: Report of TCP BBR — Data Link

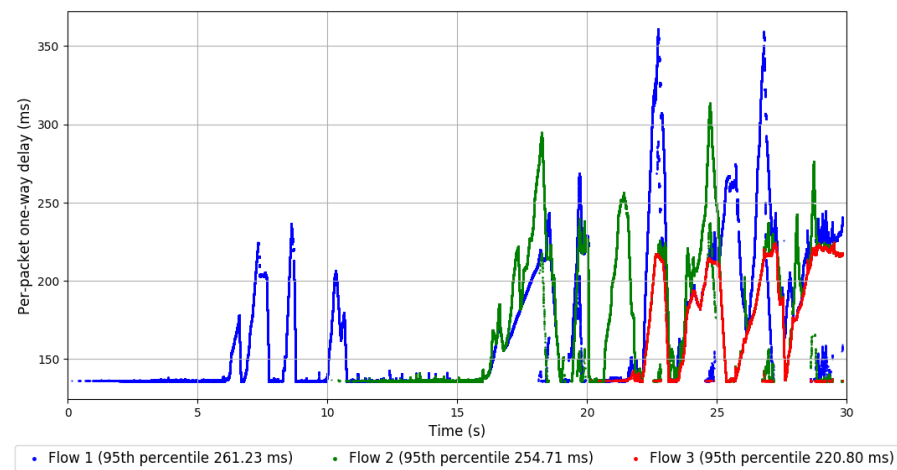
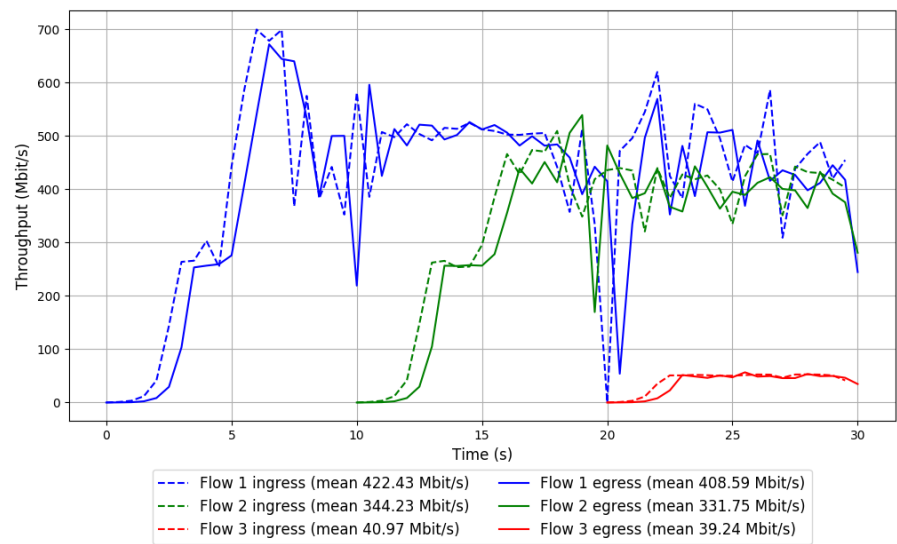


Run 2: Statistics of TCP BBR

Start at: 2018-08-11 21:29:35
End at: 2018-08-11 21:30:05
Local clock offset: 0.126 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-08-12 01:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 641.35 Mbit/s
95th percentile per-packet one-way delay: 258.327 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 408.59 Mbit/s
95th percentile per-packet one-way delay: 261.230 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 331.75 Mbit/s
95th percentile per-packet one-way delay: 254.709 ms
Loss rate: 4.95%
-- Flow 3:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 220.798 ms
Loss rate: 6.18%

Run 2: Report of TCP BBR — Data Link

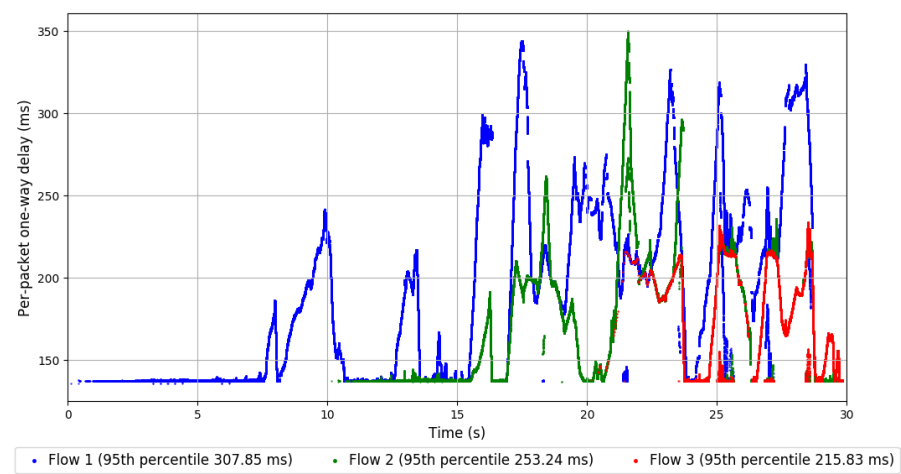
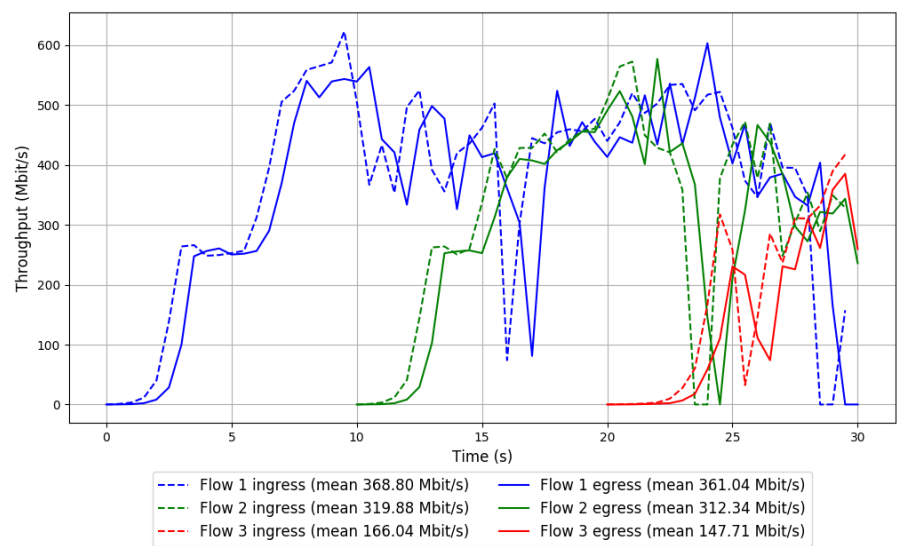


Run 3: Statistics of TCP BBR

Start at: 2018-08-11 21:57:34
End at: 2018-08-11 21:58:04
Local clock offset: -0.007 ms
Remote clock offset: -0.517 ms

Below is generated by plot.py at 2018-08-12 01:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 613.69 Mbit/s
95th percentile per-packet one-way delay: 290.097 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 361.04 Mbit/s
95th percentile per-packet one-way delay: 307.848 ms
Loss rate: 3.71%
-- Flow 2:
Average throughput: 312.34 Mbit/s
95th percentile per-packet one-way delay: 253.240 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 147.71 Mbit/s
95th percentile per-packet one-way delay: 215.830 ms
Loss rate: 13.50%

Run 3: Report of TCP BBR — Data Link

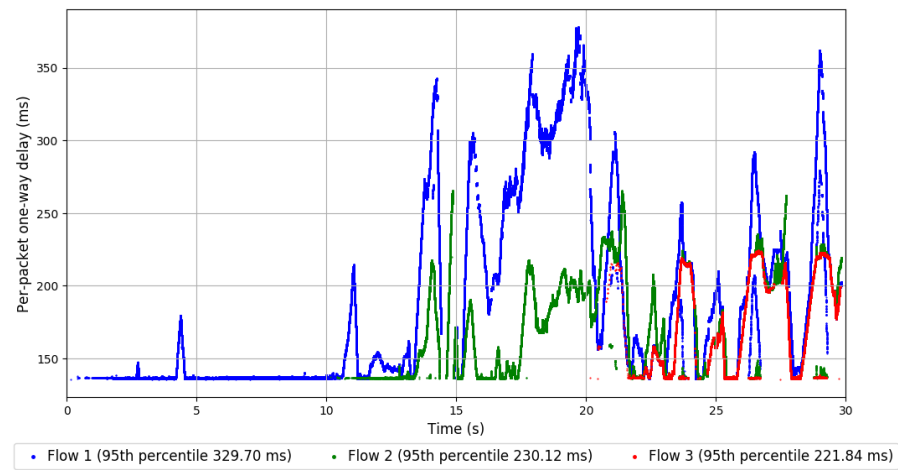
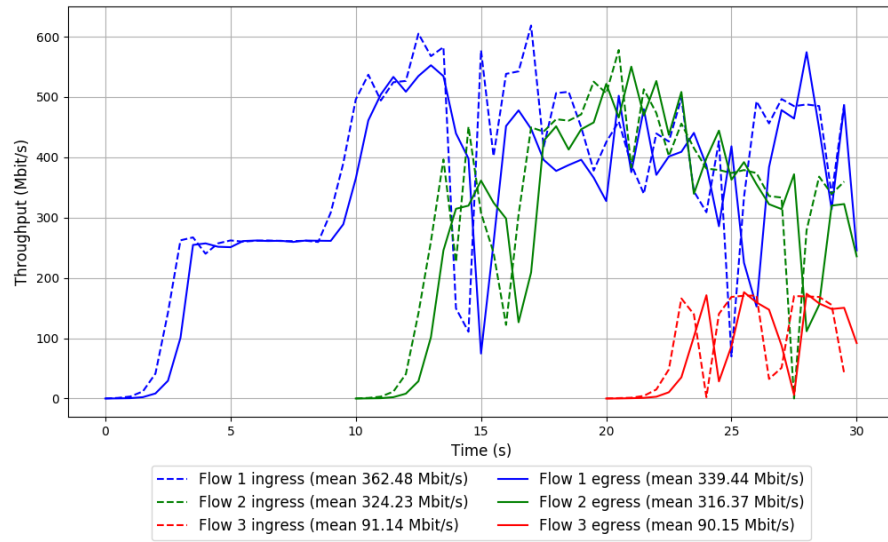


Run 4: Statistics of TCP BBR

Start at: 2018-08-11 22:25:29
End at: 2018-08-11 22:25:59
Local clock offset: -0.455 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-12 01:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 578.46 Mbit/s
95th percentile per-packet one-way delay: 309.654 ms
Loss rate: 5.84%
-- Flow 1:
Average throughput: 339.44 Mbit/s
95th percentile per-packet one-way delay: 329.696 ms
Loss rate: 7.21%
-- Flow 2:
Average throughput: 316.37 Mbit/s
95th percentile per-packet one-way delay: 230.119 ms
Loss rate: 3.77%
-- Flow 3:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 221.836 ms
Loss rate: 4.24%

Run 4: Report of TCP BBR — Data Link

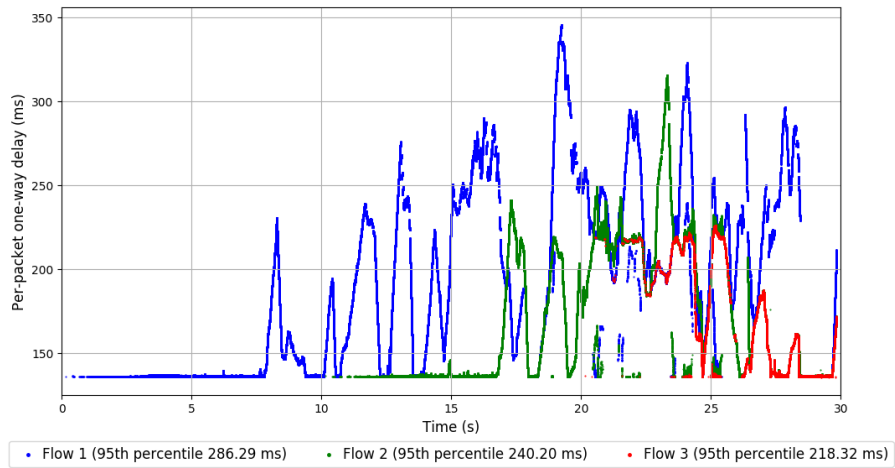
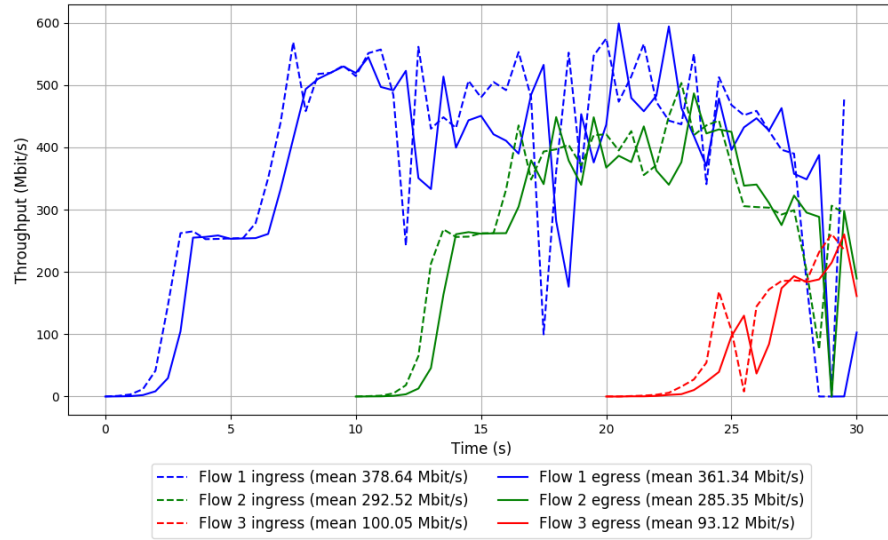


Run 5: Statistics of TCP BBR

Start at: 2018-08-11 22:53:15
End at: 2018-08-11 22:53:45
Local clock offset: -0.066 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-08-12 01:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 580.91 Mbit/s
95th percentile per-packet one-way delay: 279.435 ms
Loss rate: 5.13%
-- Flow 1:
Average throughput: 361.34 Mbit/s
95th percentile per-packet one-way delay: 286.288 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 285.35 Mbit/s
95th percentile per-packet one-way delay: 240.199 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 218.320 ms
Loss rate: 9.46%

Run 5: Report of TCP BBR — Data Link

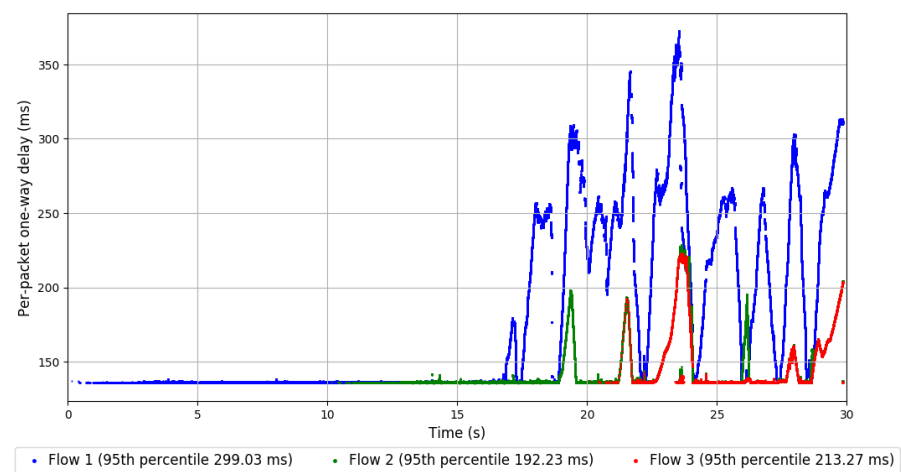
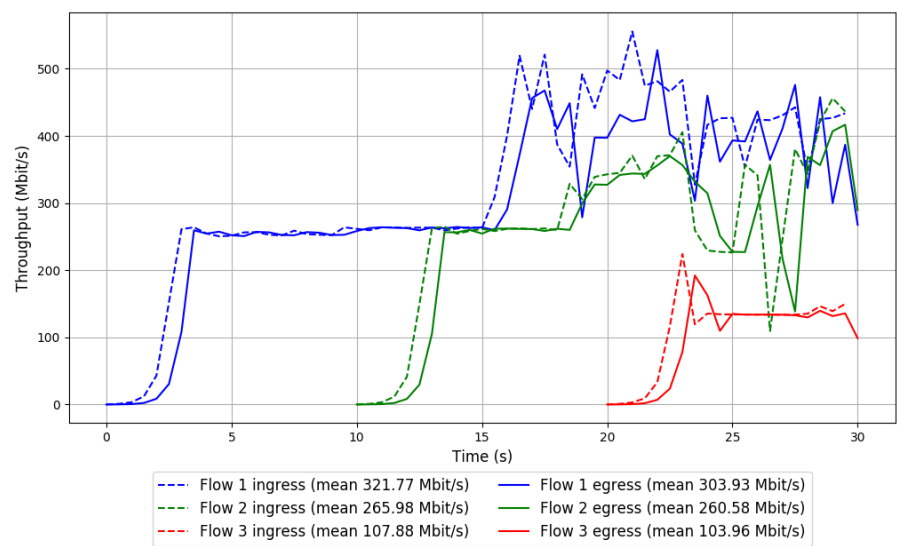


Run 6: Statistics of TCP BBR

Start at: 2018-08-11 23:21:00
End at: 2018-08-11 23:21:30
Local clock offset: 0.047 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-08-12 01:53:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 510.66 Mbit/s
95th percentile per-packet one-way delay: 281.612 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 303.93 Mbit/s
95th percentile per-packet one-way delay: 299.027 ms
Loss rate: 6.40%
-- Flow 2:
Average throughput: 260.58 Mbit/s
95th percentile per-packet one-way delay: 192.228 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 103.96 Mbit/s
95th percentile per-packet one-way delay: 213.269 ms
Loss rate: 6.28%

Run 6: Report of TCP BBR — Data Link

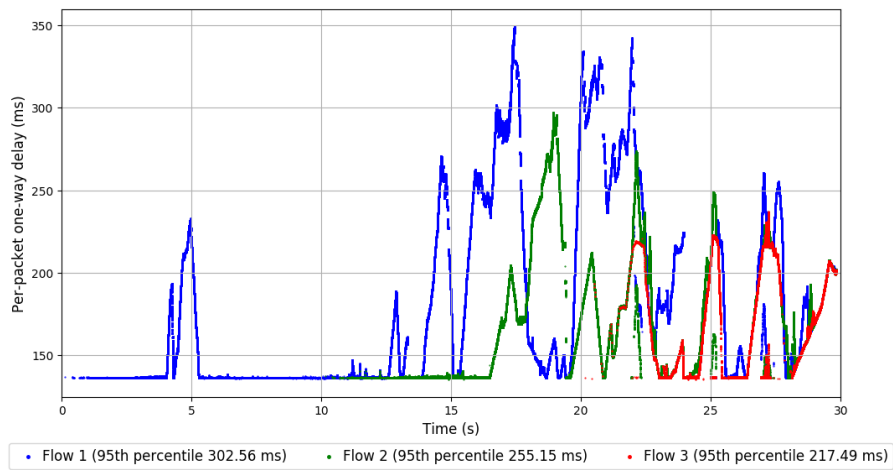
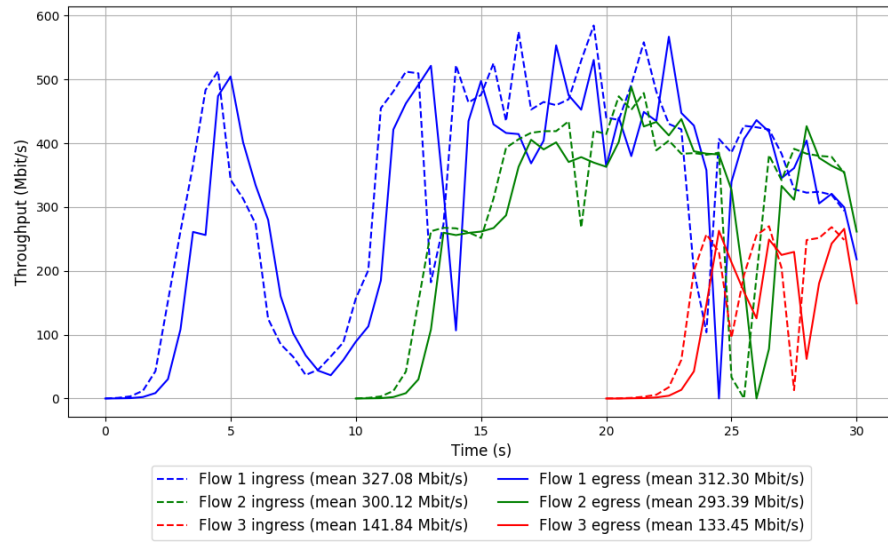


Run 7: Statistics of TCP BBR

Start at: 2018-08-11 23:49:19
End at: 2018-08-11 23:49:49
Local clock offset: 0.181 ms
Remote clock offset: -0.601 ms

Below is generated by plot.py at 2018-08-12 01:53:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 550.33 Mbit/s
95th percentile per-packet one-way delay: 286.357 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 312.30 Mbit/s
95th percentile per-packet one-way delay: 302.557 ms
Loss rate: 5.39%
-- Flow 2:
Average throughput: 293.39 Mbit/s
95th percentile per-packet one-way delay: 255.153 ms
Loss rate: 3.65%
-- Flow 3:
Average throughput: 133.45 Mbit/s
95th percentile per-packet one-way delay: 217.488 ms
Loss rate: 8.50%

Run 7: Report of TCP BBR — Data Link

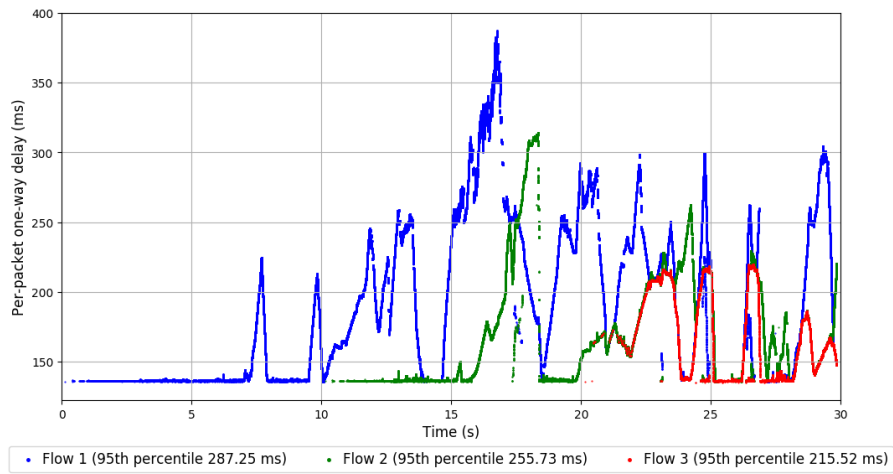
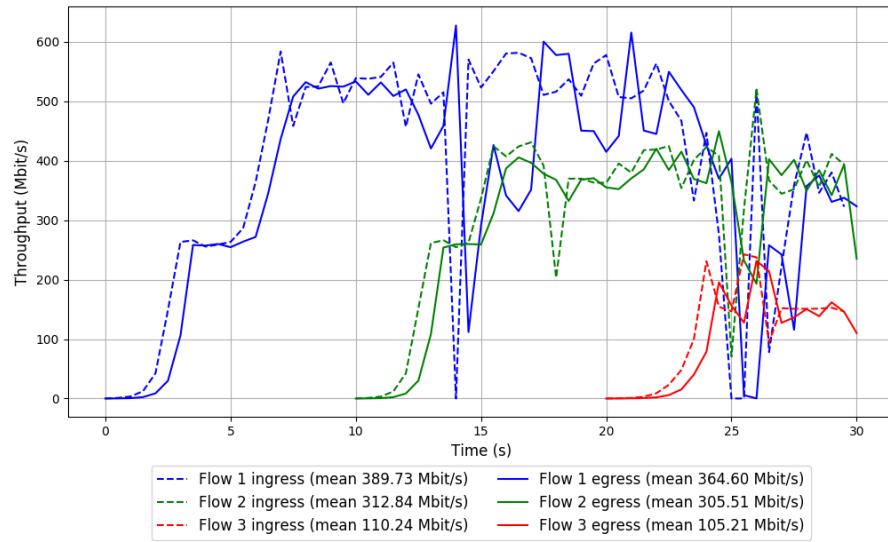


Run 8: Statistics of TCP BBR

Start at: 2018-08-12 00:17:50
End at: 2018-08-12 00:18:20
Local clock offset: 0.078 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2018-08-12 01:53:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 601.50 Mbit/s
95th percentile per-packet one-way delay: 281.502 ms
Loss rate: 6.10%
-- Flow 1:
Average throughput: 364.60 Mbit/s
95th percentile per-packet one-way delay: 287.248 ms
Loss rate: 7.30%
-- Flow 2:
Average throughput: 305.51 Mbit/s
95th percentile per-packet one-way delay: 255.730 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 105.21 Mbit/s
95th percentile per-packet one-way delay: 215.521 ms
Loss rate: 7.17%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-12 00:45:48

End at: 2018-08-12 00:46:18

Local clock offset: -0.177 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2018-08-12 02:01:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 577.21 Mbit/s

95th percentile per-packet one-way delay: 290.951 ms

Loss rate: 6.18%

-- Flow 1:

Average throughput: 390.02 Mbit/s

95th percentile per-packet one-way delay: 293.984 ms

Loss rate: 5.92%

-- Flow 2:

Average throughput: 214.19 Mbit/s

95th percentile per-packet one-way delay: 221.321 ms

Loss rate: 5.01%

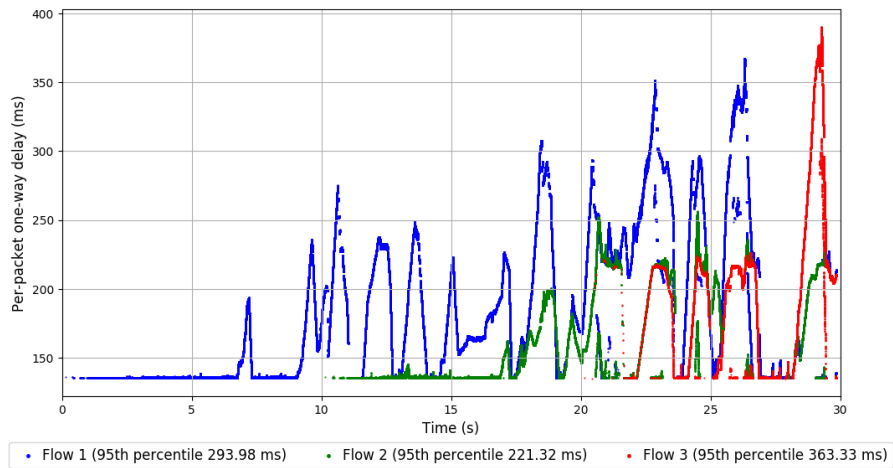
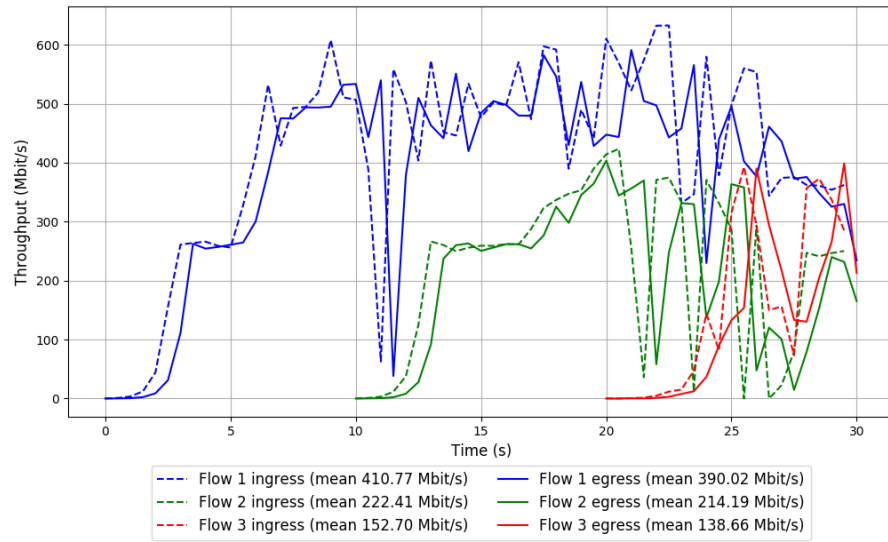
-- Flow 3:

Average throughput: 138.66 Mbit/s

95th percentile per-packet one-way delay: 363.329 ms

Loss rate: 11.69%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-12 01:14:02

End at: 2018-08-12 01:14:32

Local clock offset: -0.023 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-08-12 02:01:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 502.90 Mbit/s

95th percentile per-packet one-way delay: 253.517 ms

Loss rate: 3.66%

-- Flow 1:

Average throughput: 237.68 Mbit/s

95th percentile per-packet one-way delay: 213.695 ms

Loss rate: 2.02%

-- Flow 2:

Average throughput: 322.68 Mbit/s

95th percentile per-packet one-way delay: 295.963 ms

Loss rate: 4.12%

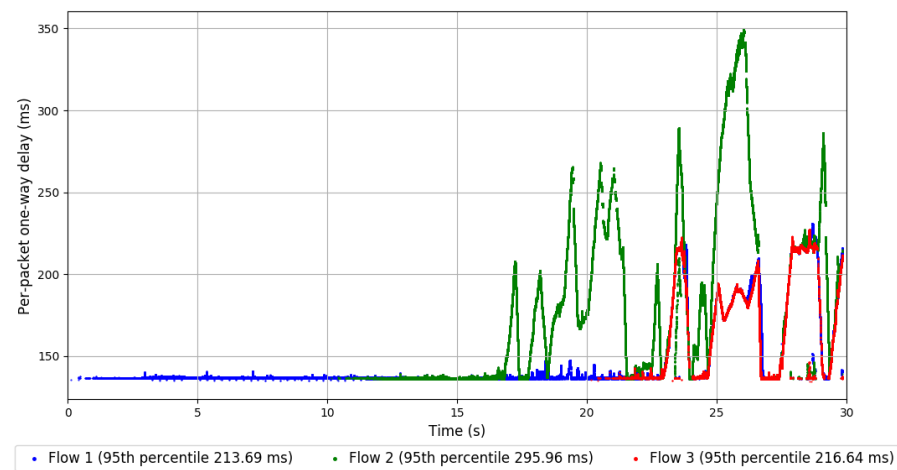
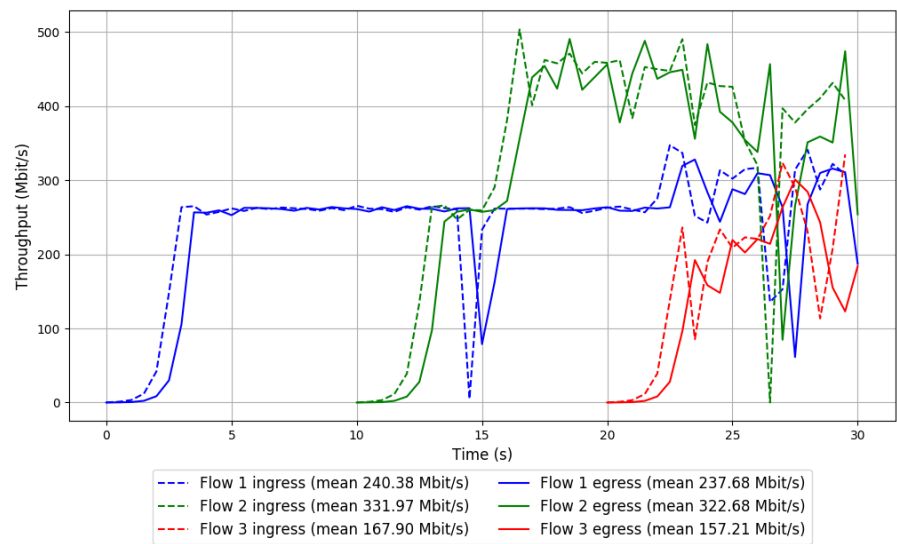
-- Flow 3:

Average throughput: 157.21 Mbit/s

95th percentile per-packet one-way delay: 216.642 ms

Loss rate: 8.92%

Run 10: Report of TCP BBR — Data Link

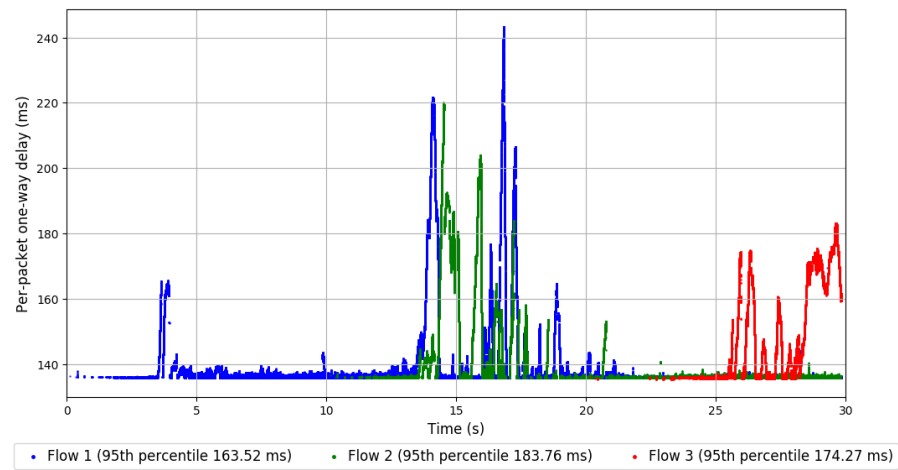
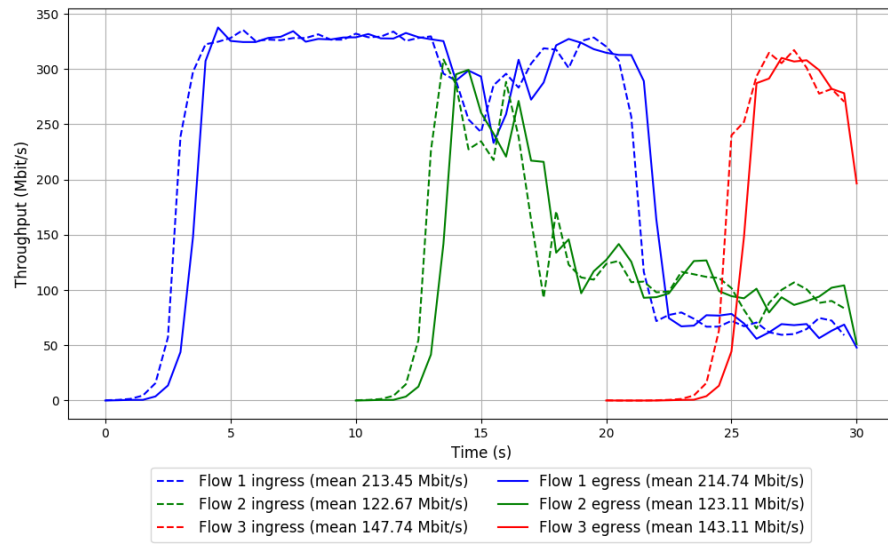


Run 1: Statistics of Copa

Start at: 2018-08-11 20:51:10
End at: 2018-08-11 20:51:40
Local clock offset: 0.021 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-08-12 02:02:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.99 Mbit/s
95th percentile per-packet one-way delay: 174.205 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 214.74 Mbit/s
95th percentile per-packet one-way delay: 163.522 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 123.11 Mbit/s
95th percentile per-packet one-way delay: 183.757 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 143.11 Mbit/s
95th percentile per-packet one-way delay: 174.273 ms
Loss rate: 5.78%

Run 1: Report of Copa — Data Link

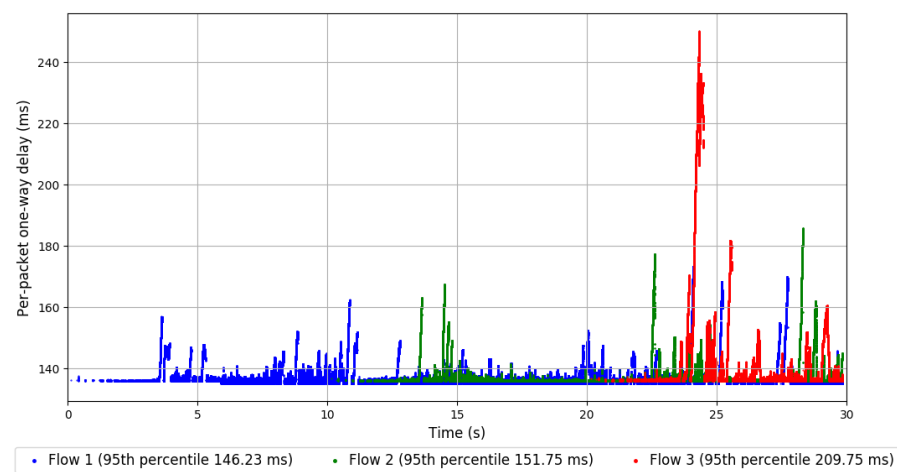
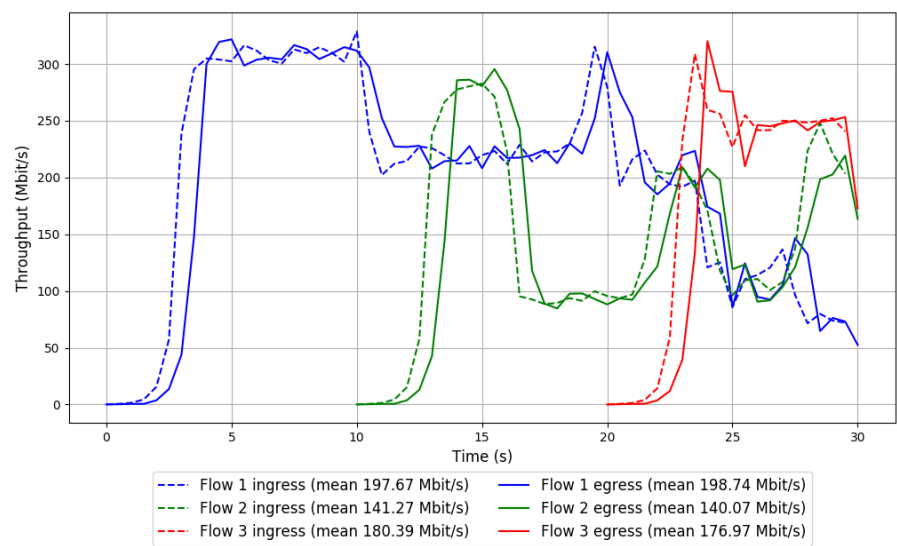


Run 2: Statistics of Copa

Start at: 2018-08-11 21:18:48
End at: 2018-08-11 21:19:18
Local clock offset: 0.118 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-08-12 02:03:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.30 Mbit/s
95th percentile per-packet one-way delay: 151.429 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 198.74 Mbit/s
95th percentile per-packet one-way delay: 146.231 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 140.07 Mbit/s
95th percentile per-packet one-way delay: 151.752 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 176.97 Mbit/s
95th percentile per-packet one-way delay: 209.749 ms
Loss rate: 4.59%

Run 2: Report of Copa — Data Link

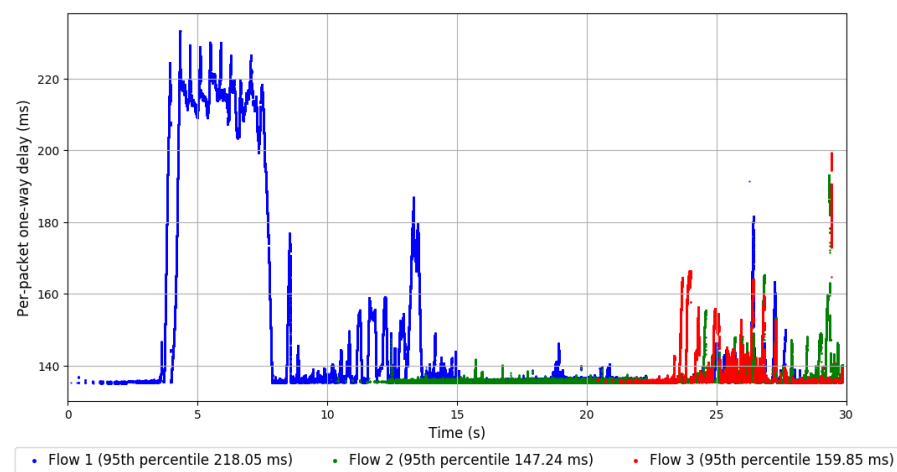
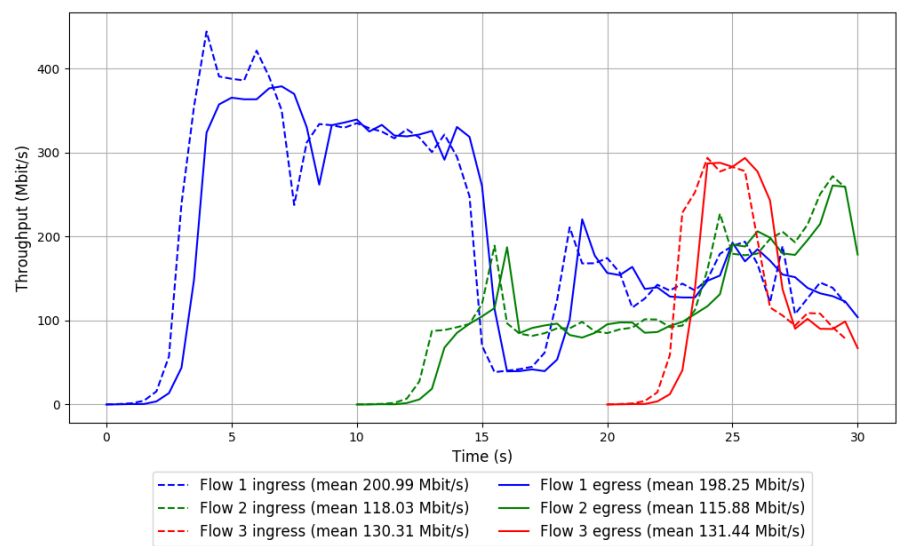


Run 3: Statistics of Copa

Start at: 2018-08-11 21:46:51
End at: 2018-08-11 21:47:21
Local clock offset: -0.228 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-08-12 02:03:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 317.88 Mbit/s
95th percentile per-packet one-way delay: 216.067 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 198.25 Mbit/s
95th percentile per-packet one-way delay: 218.052 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 115.88 Mbit/s
95th percentile per-packet one-way delay: 147.240 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 131.44 Mbit/s
95th percentile per-packet one-way delay: 159.853 ms
Loss rate: 1.92%

Run 3: Report of Copa — Data Link

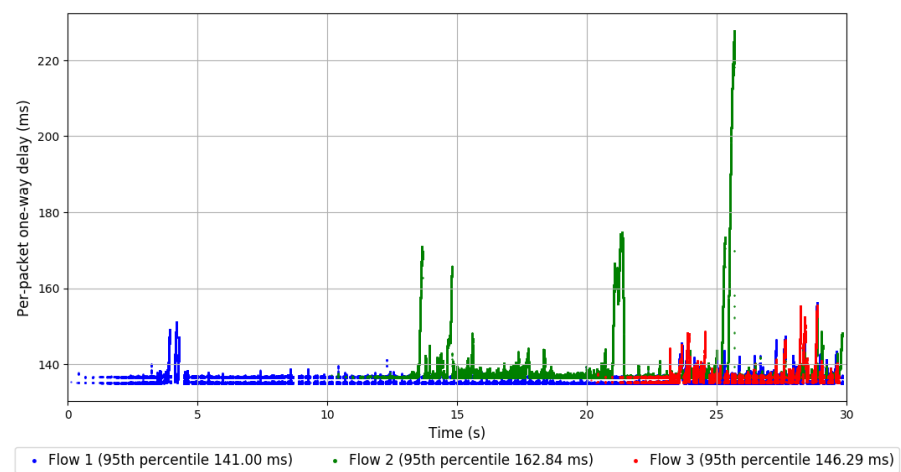
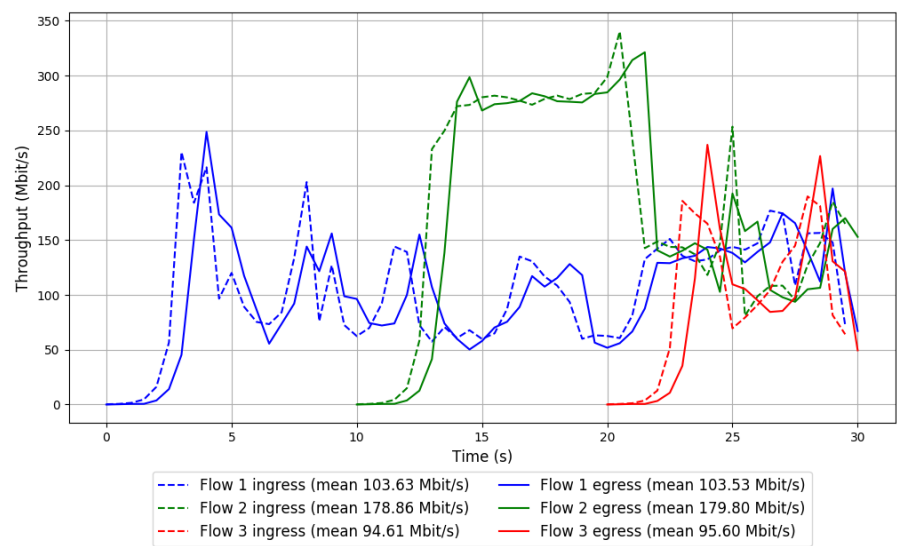


Run 4: Statistics of Copa

Start at: 2018-08-11 22:14:47
End at: 2018-08-11 22:15:17
Local clock offset: -0.057 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-08-12 02:03:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.38 Mbit/s
95th percentile per-packet one-way delay: 147.357 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 103.53 Mbit/s
95th percentile per-packet one-way delay: 140.999 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 179.80 Mbit/s
95th percentile per-packet one-way delay: 162.845 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 146.293 ms
Loss rate: 2.13%

Run 4: Report of Copa — Data Link

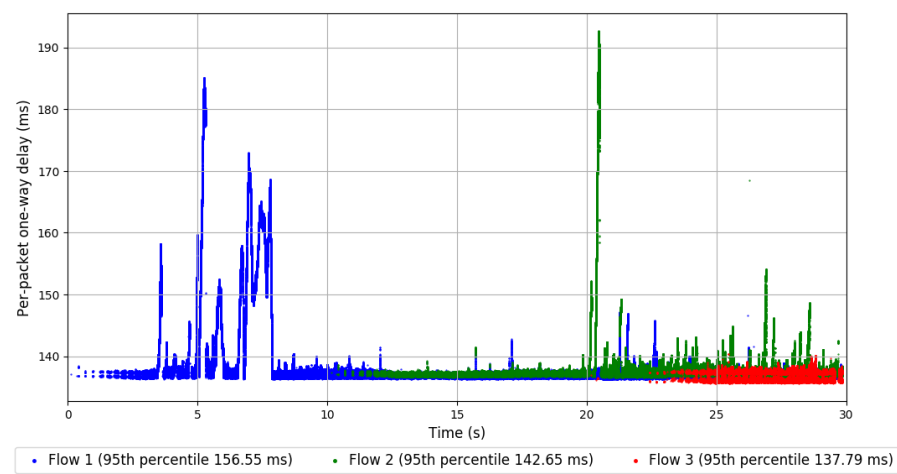
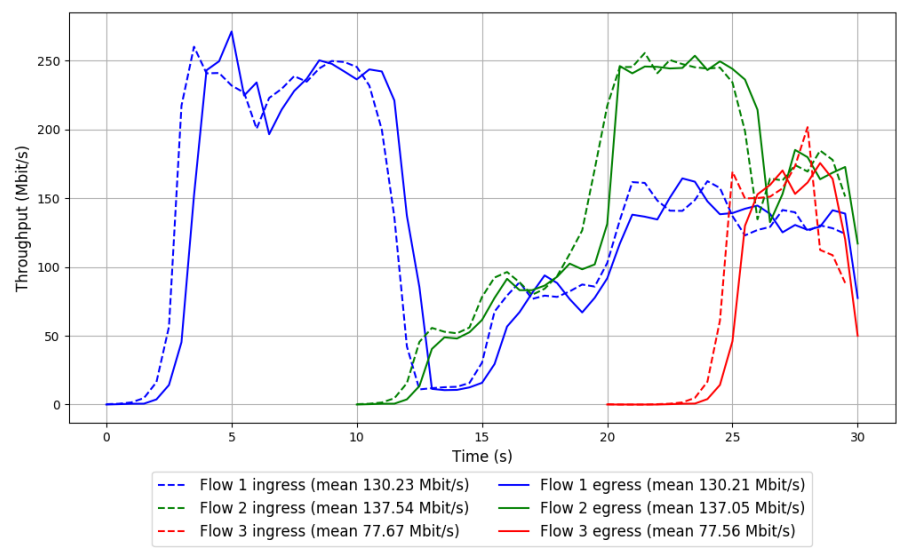


Run 5: Statistics of Copa

Start at: 2018-08-11 22:42:38
End at: 2018-08-11 22:43:08
Local clock offset: -0.049 ms
Remote clock offset: -0.526 ms

```
# Below is generated by plot.py at 2018-08-12 02:03:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 246.33 Mbit/s
95th percentile per-packet one-way delay: 150.626 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 130.21 Mbit/s
95th percentile per-packet one-way delay: 156.553 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 137.05 Mbit/s
95th percentile per-packet one-way delay: 142.654 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 137.786 ms
Loss rate: 2.88%
```

Run 5: Report of Copa — Data Link

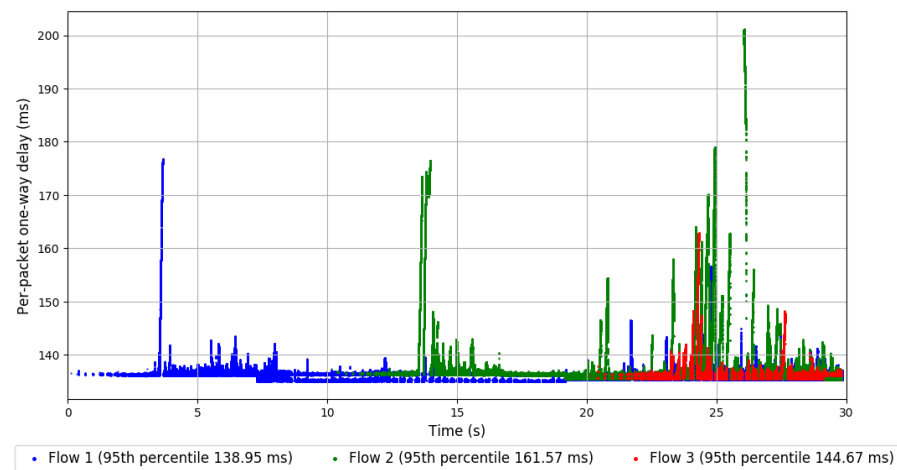
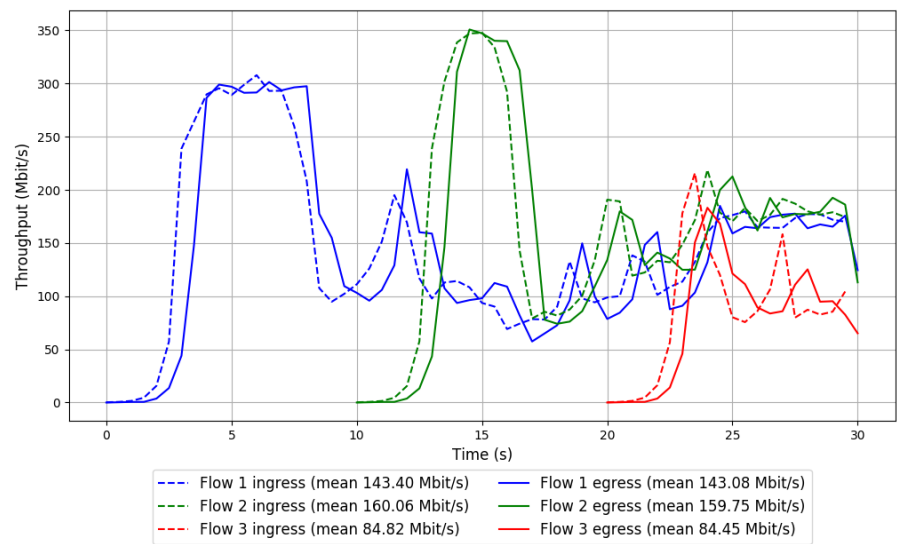


Run 6: Statistics of Copa

Start at: 2018-08-11 23:10:14
End at: 2018-08-11 23:10:44
Local clock offset: -0.017 ms
Remote clock offset: -0.627 ms

Below is generated by plot.py at 2018-08-12 02:03:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.34 Mbit/s
95th percentile per-packet one-way delay: 146.779 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 143.08 Mbit/s
95th percentile per-packet one-way delay: 138.953 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 159.75 Mbit/s
95th percentile per-packet one-way delay: 161.571 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 144.666 ms
Loss rate: 3.19%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-11 23:38:11

End at: 2018-08-11 23:38:41

Local clock offset: -0.073 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-08-12 02:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 458.21 Mbit/s

95th percentile per-packet one-way delay: 190.952 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 259.47 Mbit/s

95th percentile per-packet one-way delay: 154.650 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 242.94 Mbit/s

95th percentile per-packet one-way delay: 195.156 ms

Loss rate: 0.73%

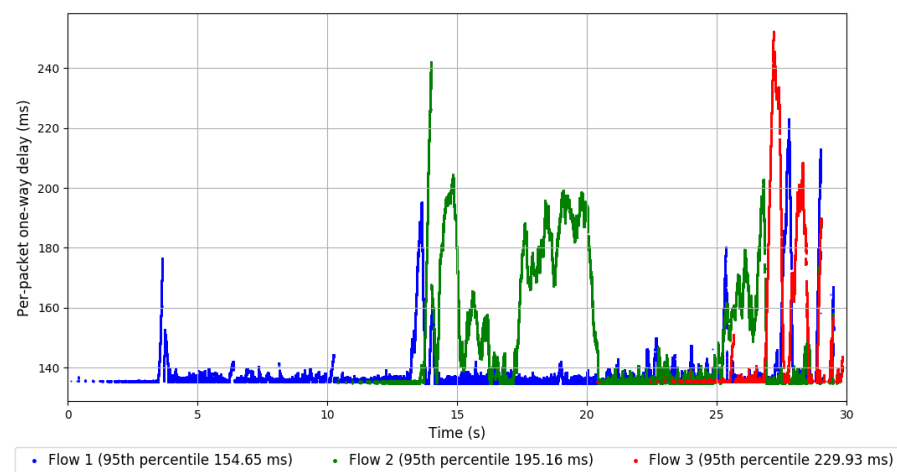
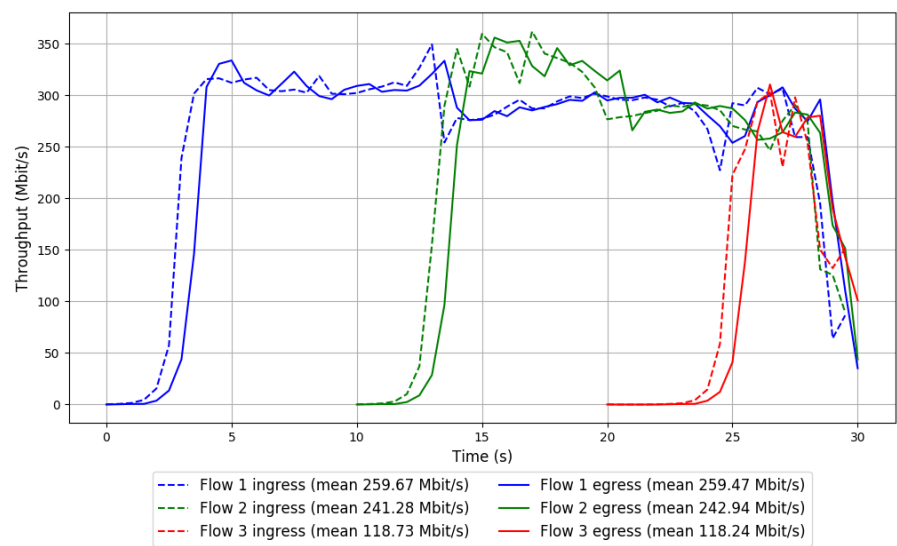
-- Flow 3:

Average throughput: 118.24 Mbit/s

95th percentile per-packet one-way delay: 229.928 ms

Loss rate: 3.15%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-12 00:06:42

End at: 2018-08-12 00:07:12

Local clock offset: -0.084 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-12 02:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.18 Mbit/s

95th percentile per-packet one-way delay: 197.204 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 185.45 Mbit/s

95th percentile per-packet one-way delay: 179.810 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 261.60 Mbit/s

95th percentile per-packet one-way delay: 206.472 ms

Loss rate: 1.56%

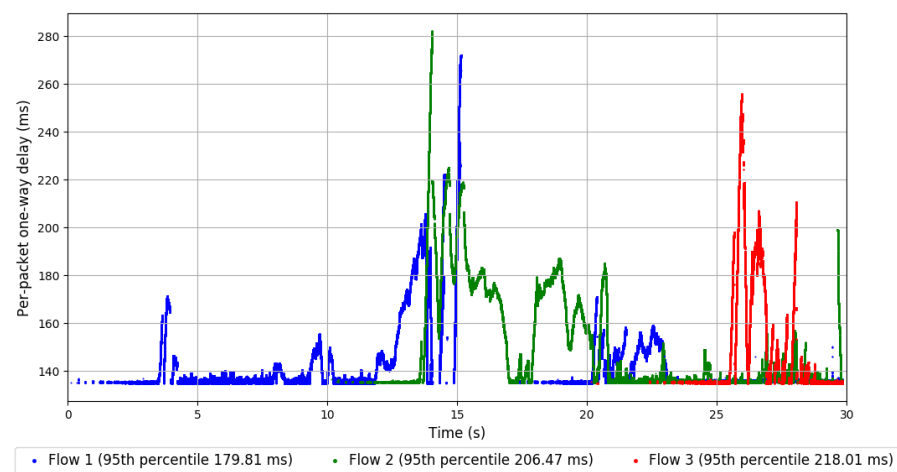
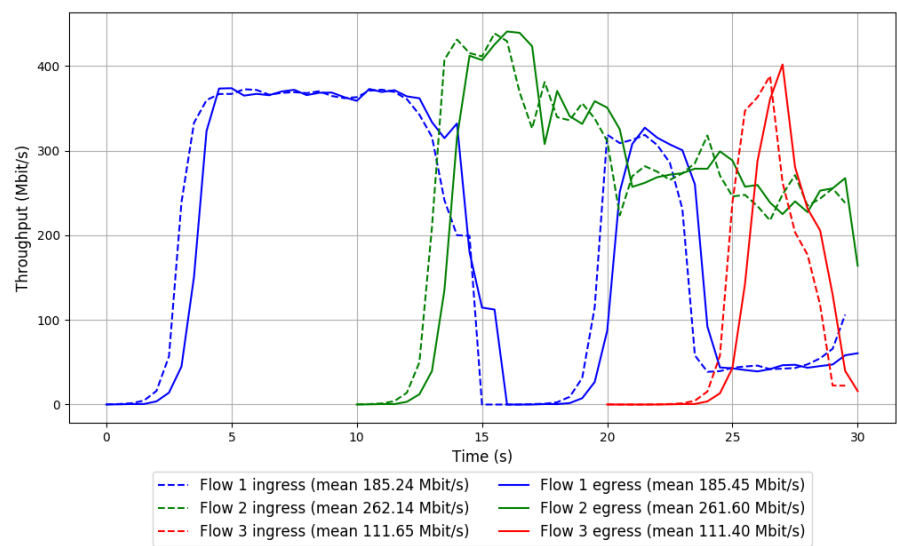
-- Flow 3:

Average throughput: 111.40 Mbit/s

95th percentile per-packet one-way delay: 218.011 ms

Loss rate: 2.95%

Run 8: Report of Copa — Data Link

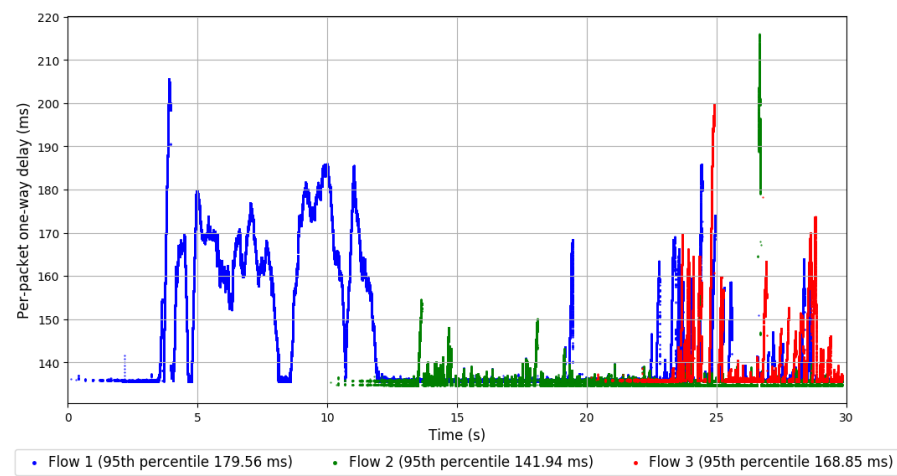
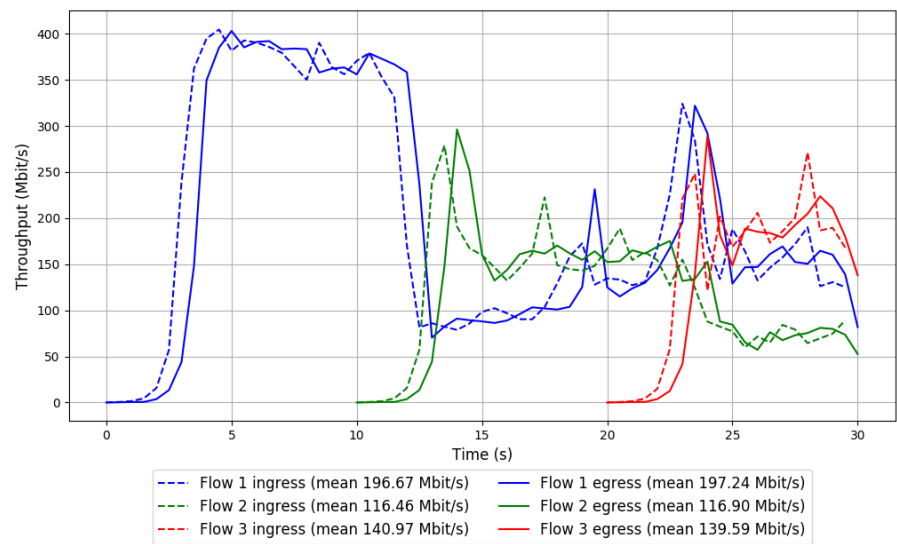


Run 9: Statistics of Copa

Start at: 2018-08-12 00:34:59
End at: 2018-08-12 00:35:29
Local clock offset: -0.107 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-12 02:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.24 Mbit/s
95th percentile per-packet one-way delay: 178.016 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 197.24 Mbit/s
95th percentile per-packet one-way delay: 179.560 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 116.90 Mbit/s
95th percentile per-packet one-way delay: 141.945 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 139.59 Mbit/s
95th percentile per-packet one-way delay: 168.855 ms
Loss rate: 3.70%

Run 9: Report of Copa — Data Link

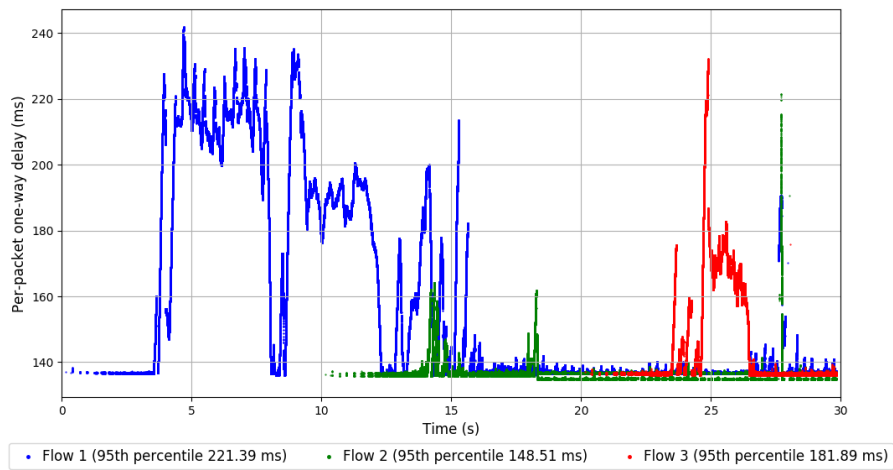
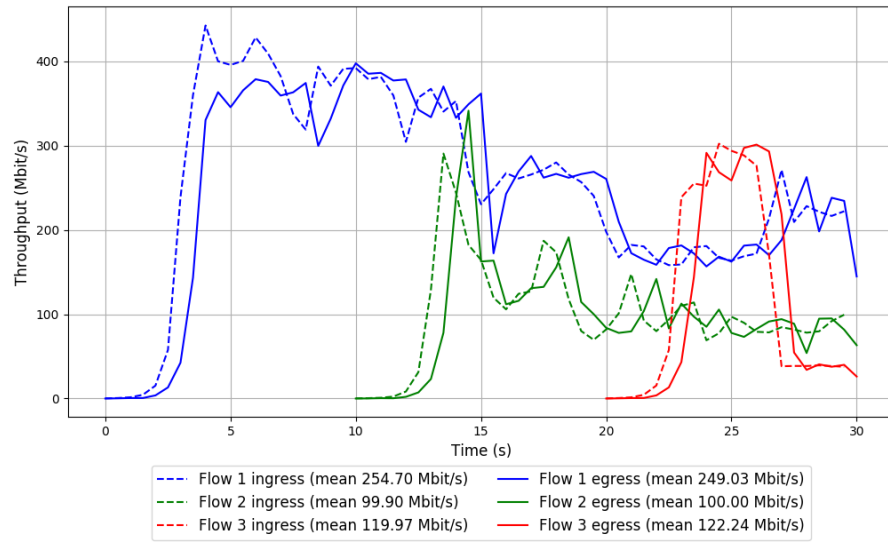


Run 10: Statistics of Copa

Start at: 2018-08-12 01:03:05
End at: 2018-08-12 01:03:35
Local clock offset: -0.035 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-12 02:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.19 Mbit/s
95th percentile per-packet one-way delay: 219.079 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 249.03 Mbit/s
95th percentile per-packet one-way delay: 221.386 ms
Loss rate: 3.12%
-- Flow 2:
Average throughput: 100.00 Mbit/s
95th percentile per-packet one-way delay: 148.510 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 122.24 Mbit/s
95th percentile per-packet one-way delay: 181.887 ms
Loss rate: 0.90%

Run 10: Report of Copa — Data Link

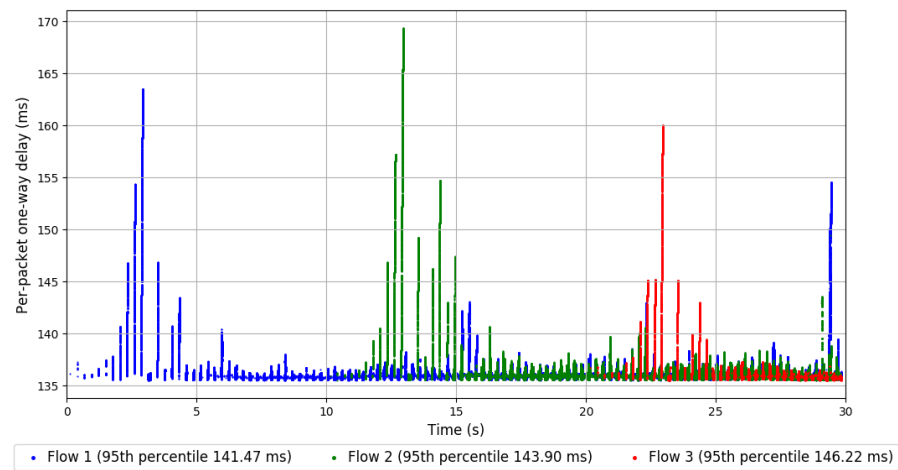
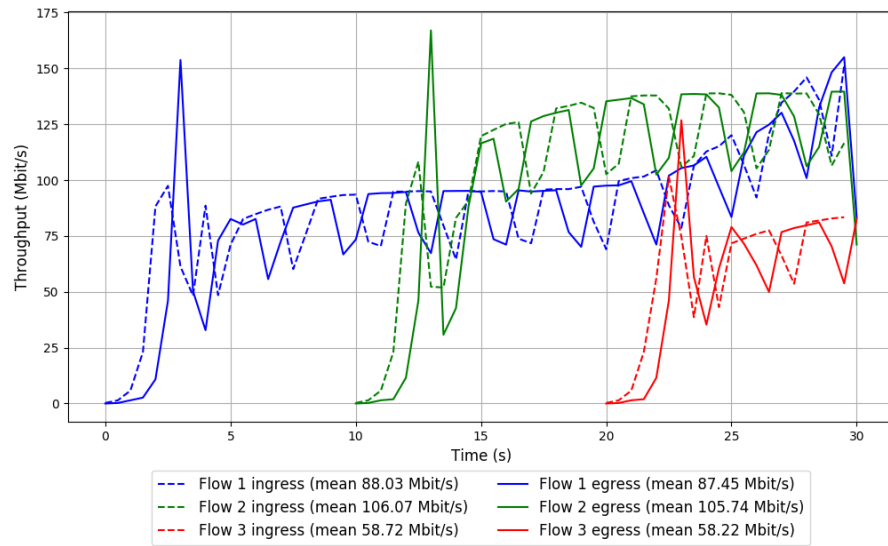


Run 1: Statistics of TCP Cubic

Start at: 2018-08-11 20:55:49
End at: 2018-08-11 20:56:19
Local clock offset: -0.118 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-08-12 02:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 176.51 Mbit/s
95th percentile per-packet one-way delay: 142.993 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 141.474 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 105.74 Mbit/s
95th percentile per-packet one-way delay: 143.904 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 146.222 ms
Loss rate: 3.58%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-11 21:23:26

End at: 2018-08-11 21:23:56

Local clock offset: -0.191 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-08-12 02:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 182.96 Mbit/s

95th percentile per-packet one-way delay: 137.775 ms

Loss rate: 1.63%

-- Flow 1:

Average throughput: 97.89 Mbit/s

95th percentile per-packet one-way delay: 137.189 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 86.09 Mbit/s

95th percentile per-packet one-way delay: 137.181 ms

Loss rate: 1.64%

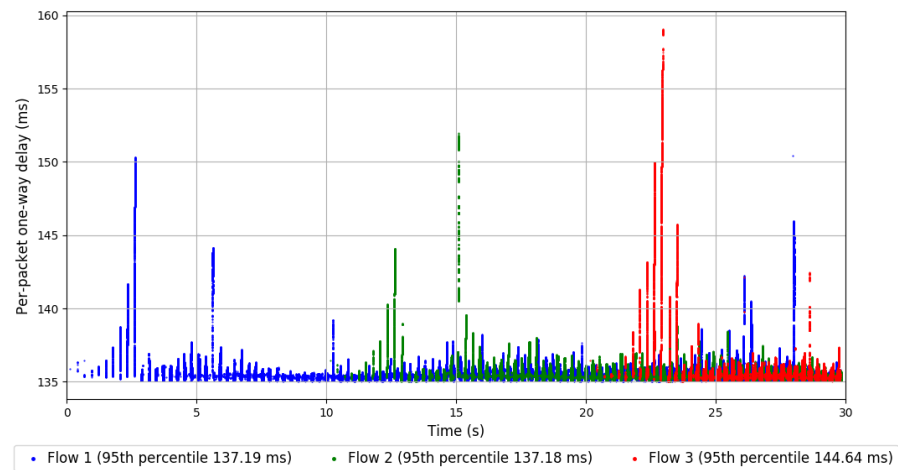
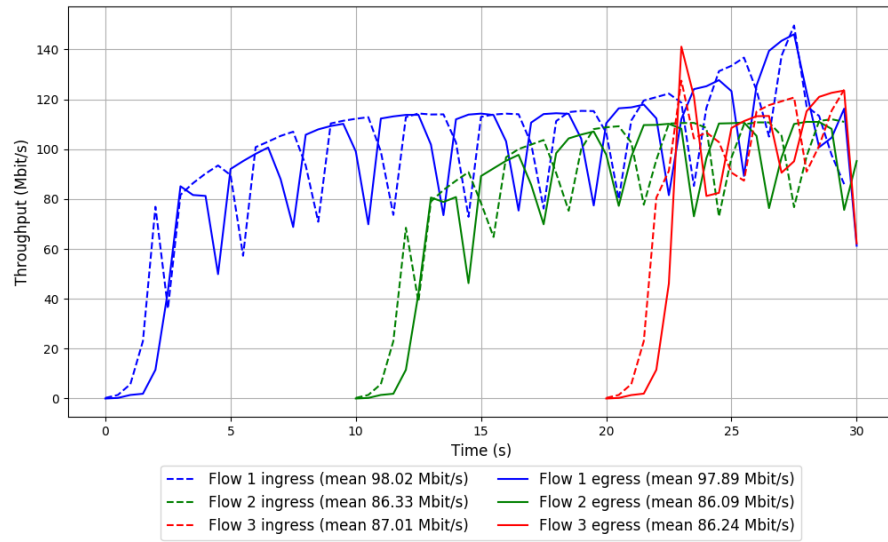
-- Flow 3:

Average throughput: 86.24 Mbit/s

95th percentile per-packet one-way delay: 144.641 ms

Loss rate: 3.60%

Run 2: Report of TCP Cubic — Data Link

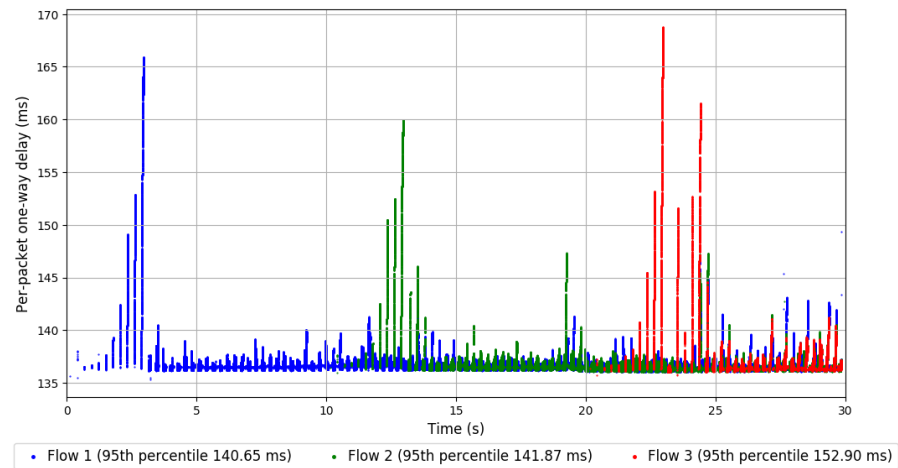
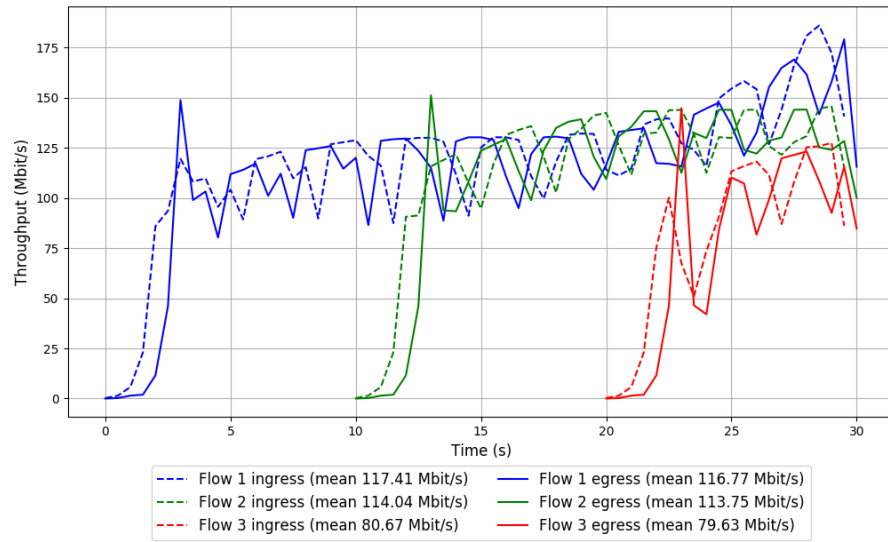


Run 3: Statistics of TCP Cubic

Start at: 2018-08-11 21:51:34
End at: 2018-08-11 21:52:04
Local clock offset: -0.087 ms
Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-08-12 02:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.15 Mbit/s
95th percentile per-packet one-way delay: 142.056 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 116.77 Mbit/s
95th percentile per-packet one-way delay: 140.652 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 113.75 Mbit/s
95th percentile per-packet one-way delay: 141.865 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 79.63 Mbit/s
95th percentile per-packet one-way delay: 152.903 ms
Loss rate: 4.00%

Run 3: Report of TCP Cubic — Data Link

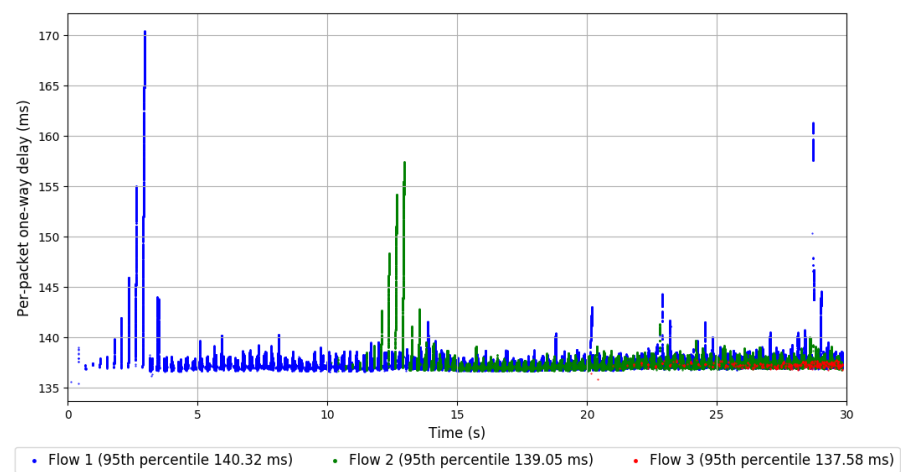
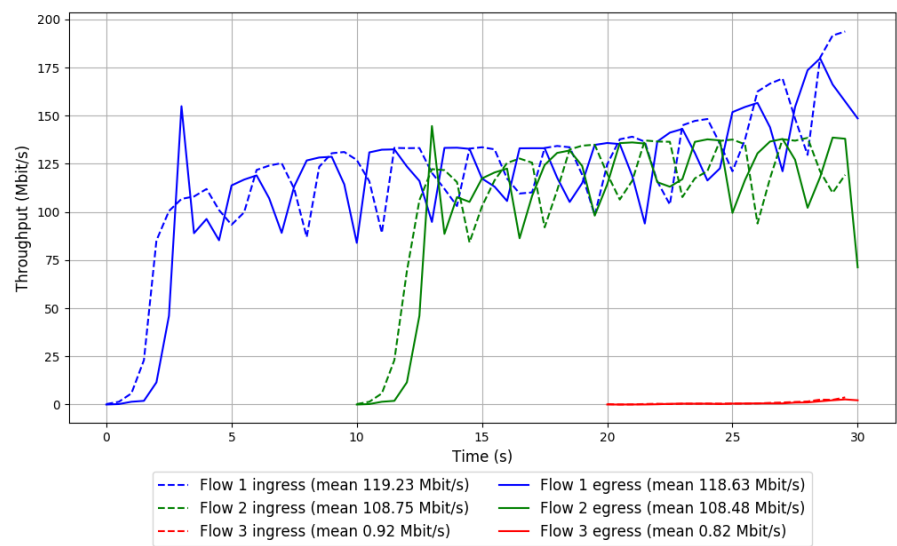


Run 4: Statistics of TCP Cubic

Start at: 2018-08-11 22:19:21
End at: 2018-08-11 22:19:51
Local clock offset: 0.009 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-08-12 02:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.70 Mbit/s
95th percentile per-packet one-way delay: 139.967 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 118.63 Mbit/s
95th percentile per-packet one-way delay: 140.321 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 108.48 Mbit/s
95th percentile per-packet one-way delay: 139.053 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 137.581 ms
Loss rate: 12.89%

Run 4: Report of TCP Cubic — Data Link

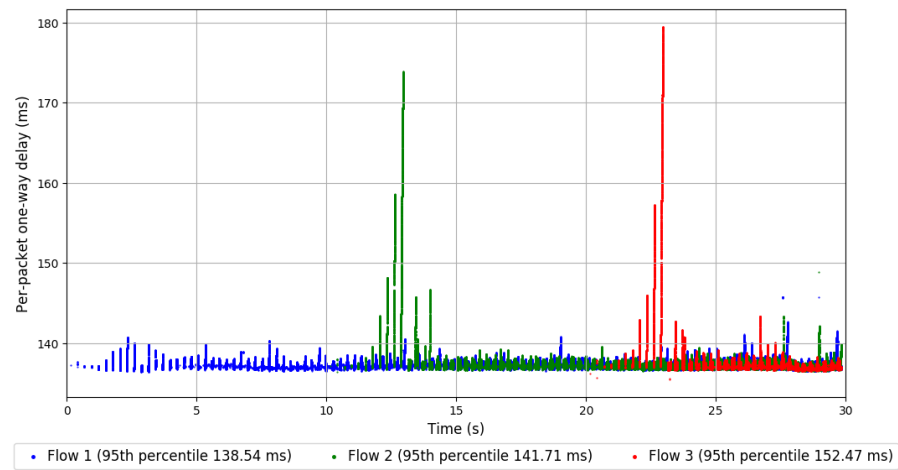
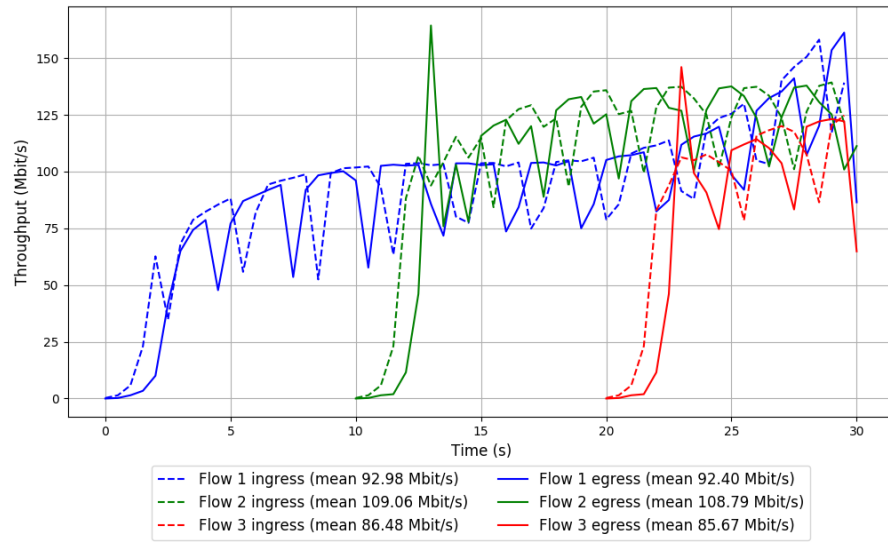


Run 5: Statistics of TCP Cubic

Start at: 2018-08-11 22:47:13
End at: 2018-08-11 22:47:43
Local clock offset: -0.194 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-12 02:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.38 Mbit/s
95th percentile per-packet one-way delay: 139.729 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 138.541 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 108.79 Mbit/s
95th percentile per-packet one-way delay: 141.709 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: 152.470 ms
Loss rate: 3.65%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-11 23:14:57

End at: 2018-08-11 23:15:27

Local clock offset: -0.192 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-08-12 02:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.75 Mbit/s

95th percentile per-packet one-way delay: 138.956 ms

Loss rate: 1.79%

-- Flow 1:

Average throughput: 101.26 Mbit/s

95th percentile per-packet one-way delay: 138.359 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 113.82 Mbit/s

95th percentile per-packet one-way delay: 140.810 ms

Loss rate: 1.63%

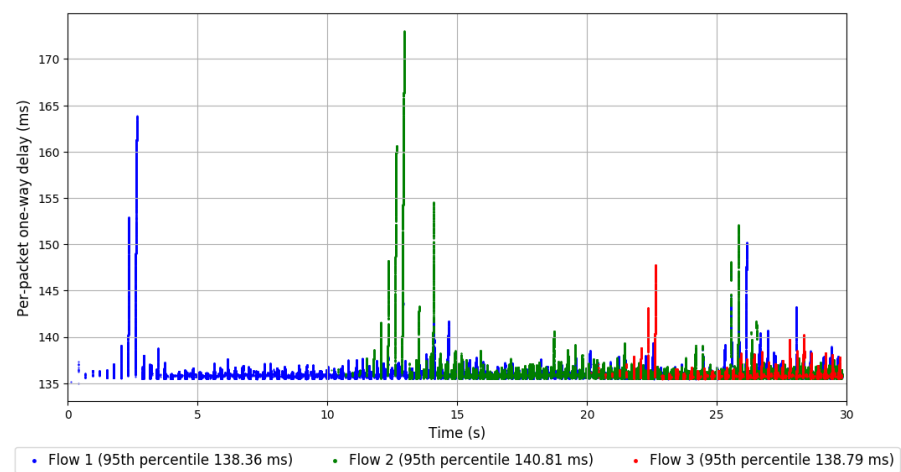
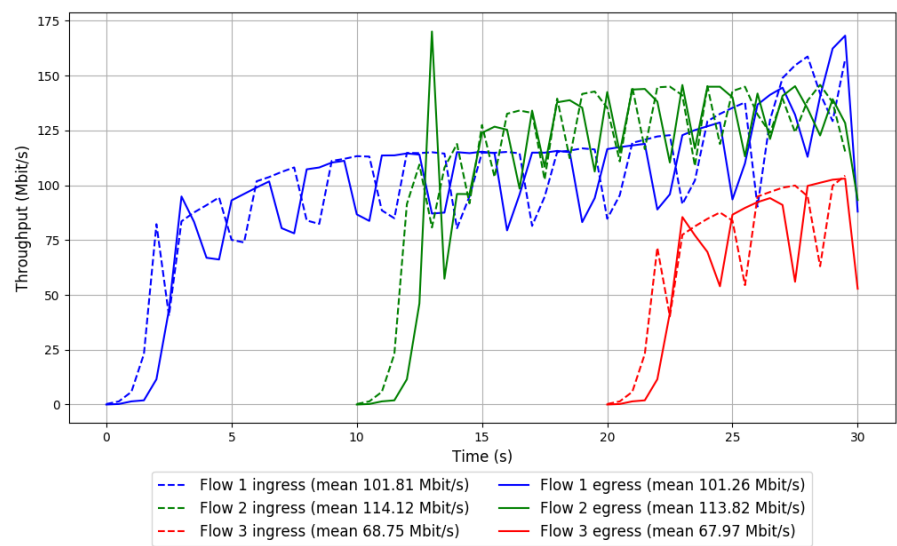
-- Flow 3:

Average throughput: 67.97 Mbit/s

95th percentile per-packet one-way delay: 138.789 ms

Loss rate: 3.84%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-11 23:43:08

End at: 2018-08-11 23:43:38

Local clock offset: 0.107 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-08-12 02:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.94 Mbit/s

95th percentile per-packet one-way delay: 138.333 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 105.85 Mbit/s

95th percentile per-packet one-way delay: 138.083 ms

Loss rate: 1.40%

-- Flow 2:

Average throughput: 104.32 Mbit/s

95th percentile per-packet one-way delay: 138.759 ms

Loss rate: 1.59%

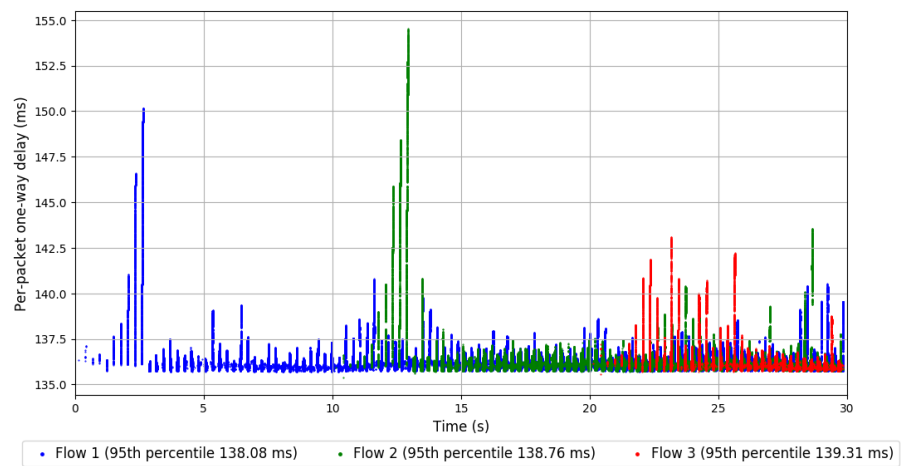
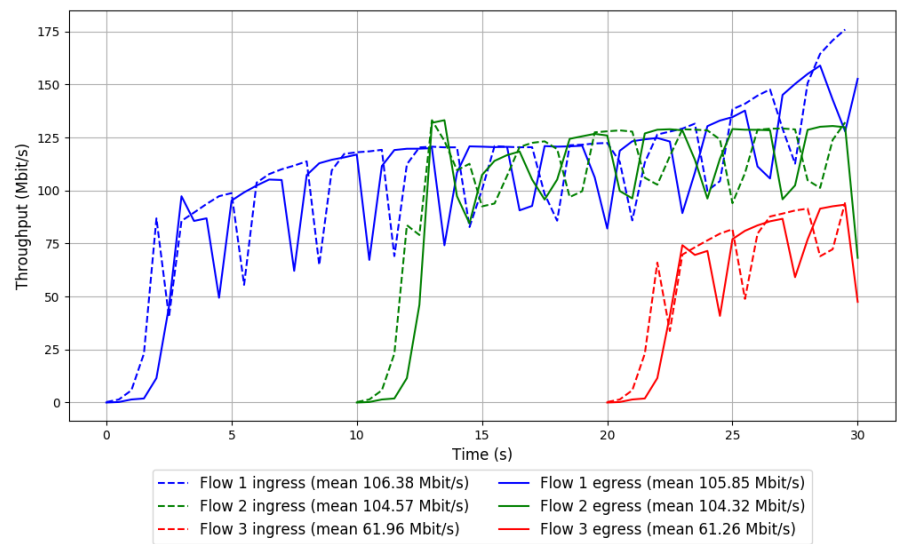
-- Flow 3:

Average throughput: 61.26 Mbit/s

95th percentile per-packet one-way delay: 139.312 ms

Loss rate: 3.83%

Run 7: Report of TCP Cubic — Data Link

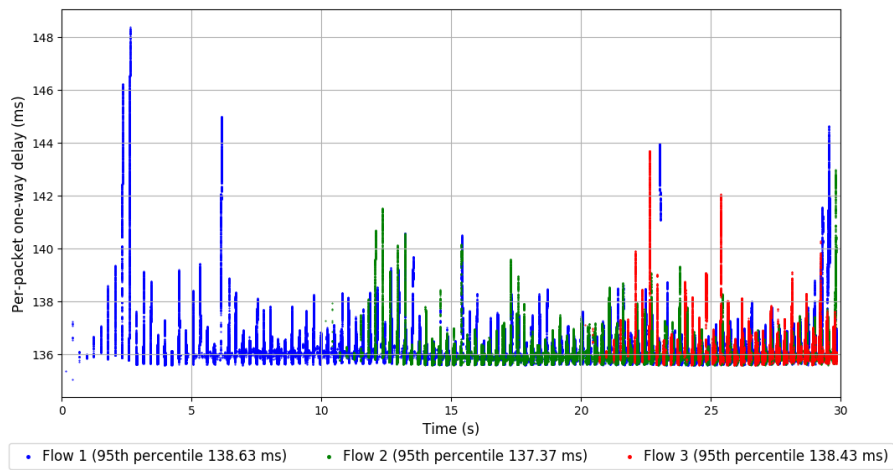
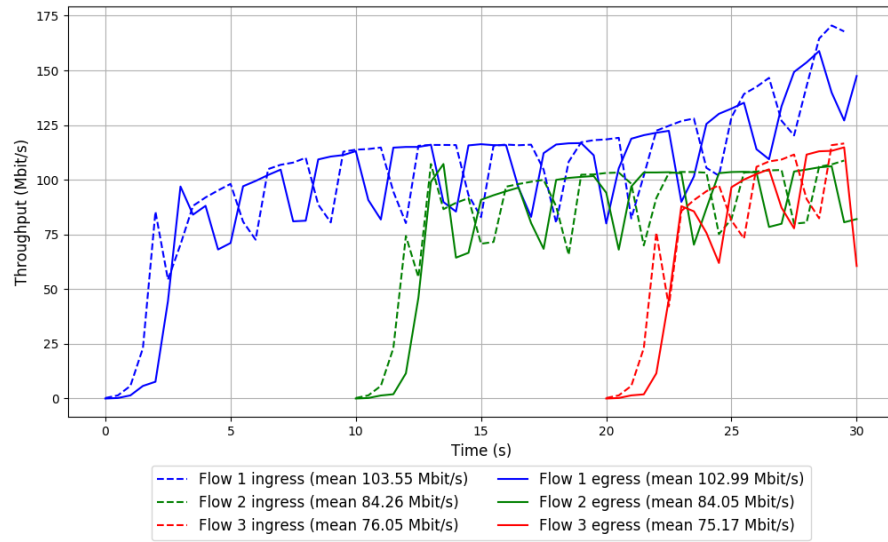


Run 8: Statistics of TCP Cubic

Start at: 2018-08-12 00:11:43
End at: 2018-08-12 00:12:13
Local clock offset: 0.032 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-08-12 02:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.19 Mbit/s
95th percentile per-packet one-way delay: 138.229 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 102.99 Mbit/s
95th percentile per-packet one-way delay: 138.631 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 137.370 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 138.434 ms
Loss rate: 3.88%

Run 8: Report of TCP Cubic — Data Link

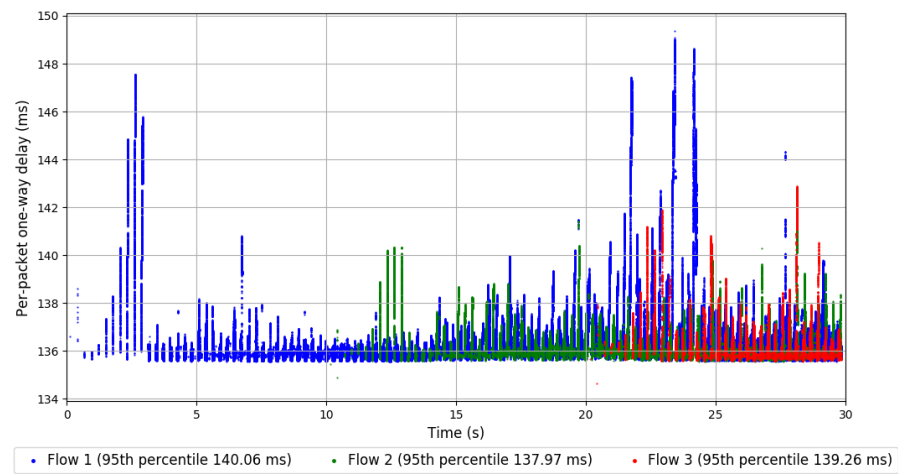
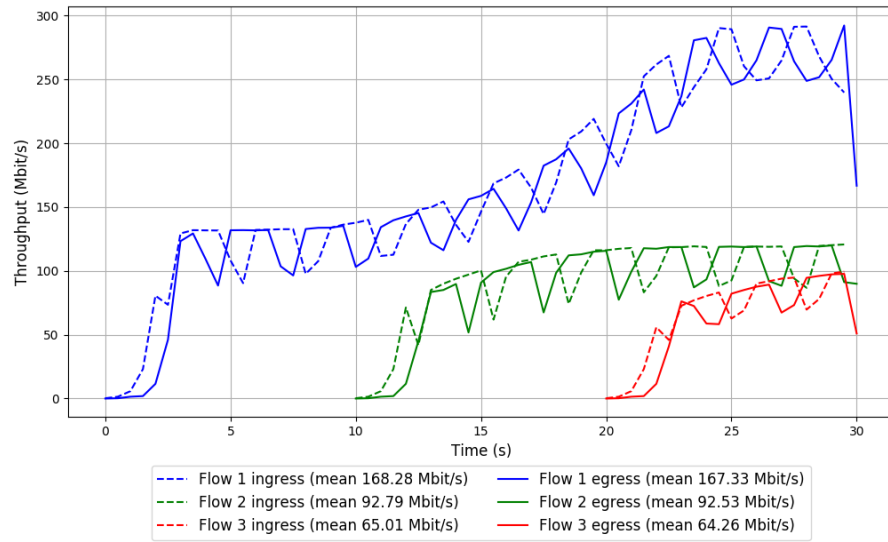


Run 9: Statistics of TCP Cubic

Start at: 2018-08-12 00:39:41
End at: 2018-08-12 00:40:11
Local clock offset: -0.138 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-12 02:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.50 Mbit/s
95th percentile per-packet one-way delay: 139.265 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 167.33 Mbit/s
95th percentile per-packet one-way delay: 140.059 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 137.969 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 139.259 ms
Loss rate: 3.85%

Run 9: Report of TCP Cubic — Data Link

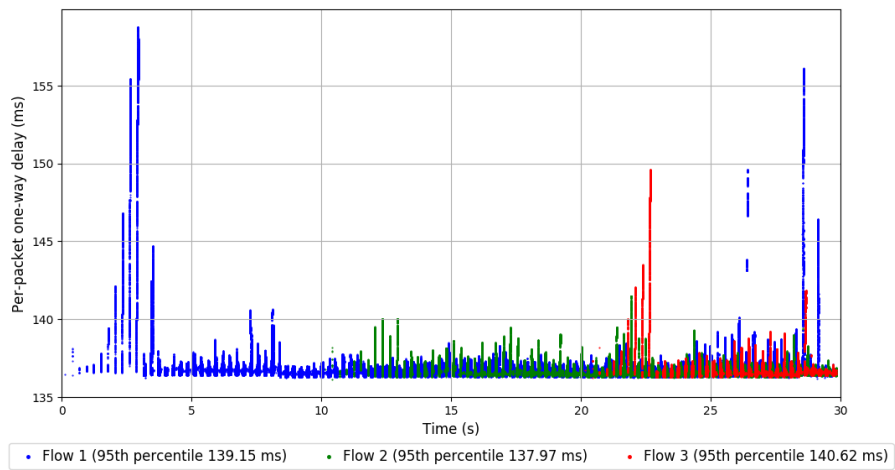
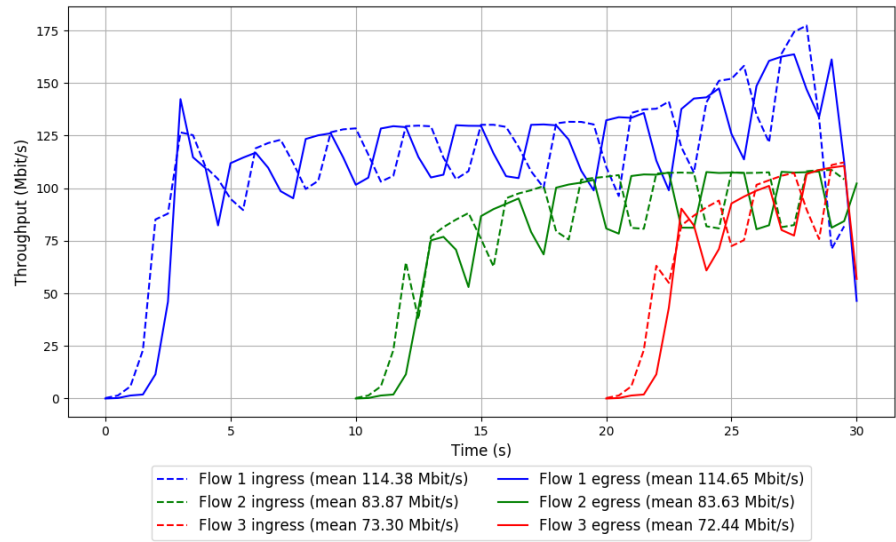


Run 10: Statistics of TCP Cubic

Start at: 2018-08-12 01:07:55
End at: 2018-08-12 01:08:25
Local clock offset: -0.221 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-12 02:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.47 Mbit/s
95th percentile per-packet one-way delay: 138.656 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 114.65 Mbit/s
95th percentile per-packet one-way delay: 139.151 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 137.974 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 72.44 Mbit/s
95th percentile per-packet one-way delay: 140.623 ms
Loss rate: 3.87%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-11 21:08:34

End at: 2018-08-11 21:09:04

Local clock offset: -0.004 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-08-12 02:32:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 1083.38 Mbit/s

95th percentile per-packet one-way delay: 224.739 ms

Loss rate: 5.76%

-- Flow 1:

Average throughput: 591.51 Mbit/s

95th percentile per-packet one-way delay: 222.532 ms

Loss rate: 6.50%

-- Flow 2:

Average throughput: 537.10 Mbit/s

95th percentile per-packet one-way delay: 213.780 ms

Loss rate: 3.95%

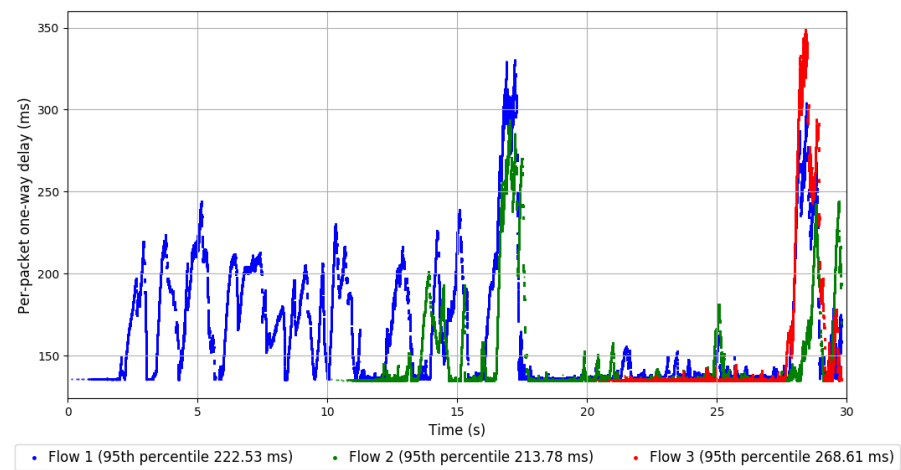
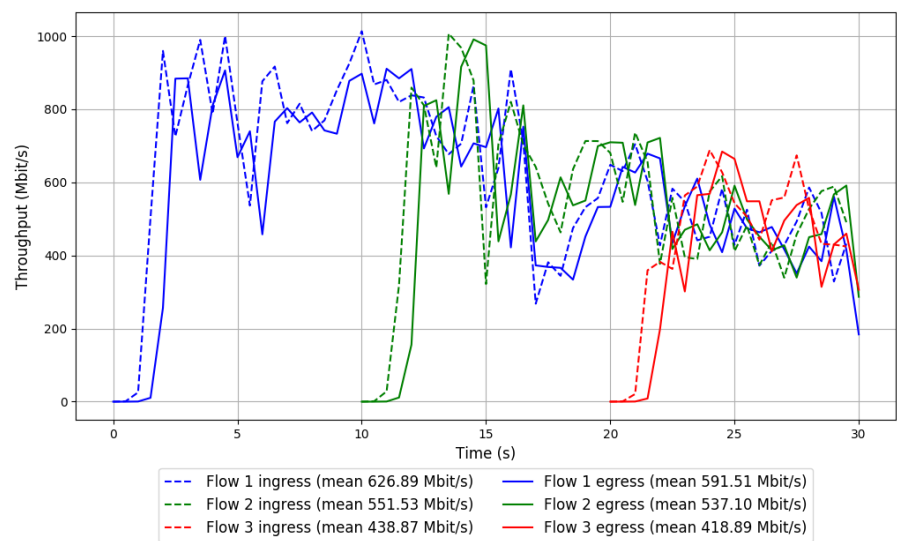
-- Flow 3:

Average throughput: 418.89 Mbit/s

95th percentile per-packet one-way delay: 268.606 ms

Loss rate: 7.15%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-11 21:36:22

End at: 2018-08-11 21:36:52

Local clock offset: -0.056 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-08-12 02:34:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1190.71 Mbit/s

95th percentile per-packet one-way delay: 180.503 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 679.40 Mbit/s

95th percentile per-packet one-way delay: 182.250 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 543.74 Mbit/s

95th percentile per-packet one-way delay: 185.178 ms

Loss rate: 1.76%

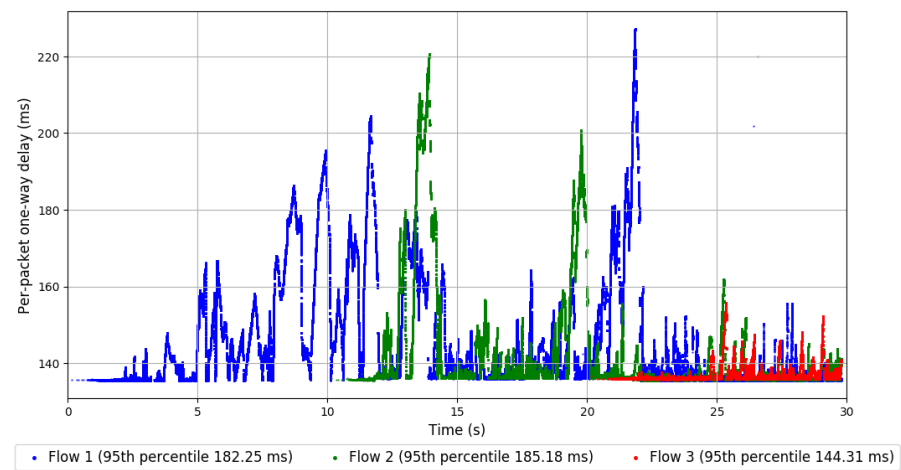
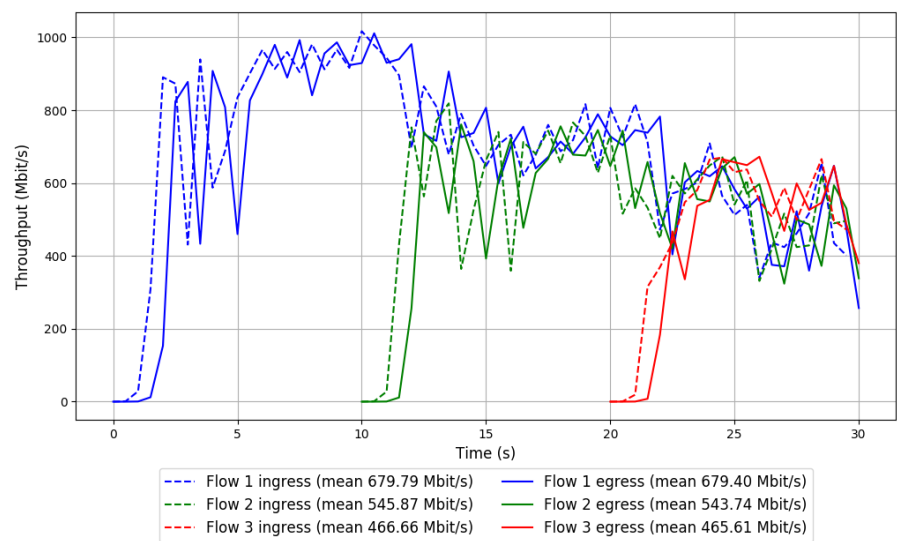
-- Flow 3:

Average throughput: 465.61 Mbit/s

95th percentile per-packet one-way delay: 144.309 ms

Loss rate: 2.99%

Run 2: Report of FillP — Data Link

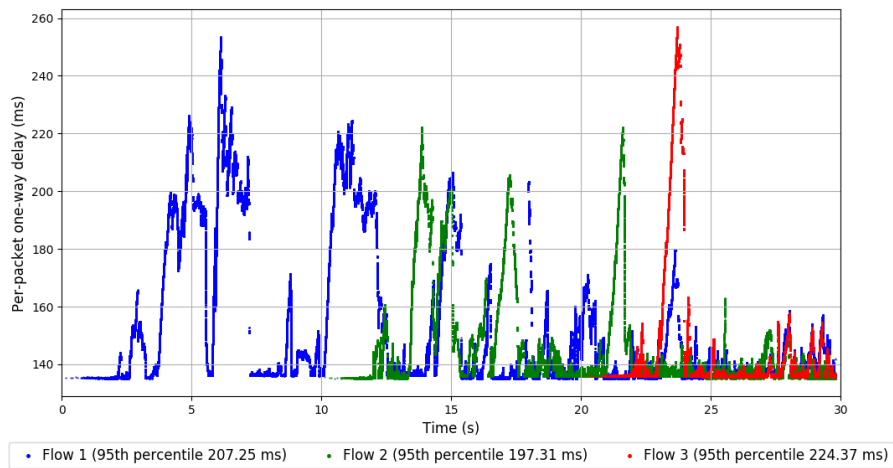
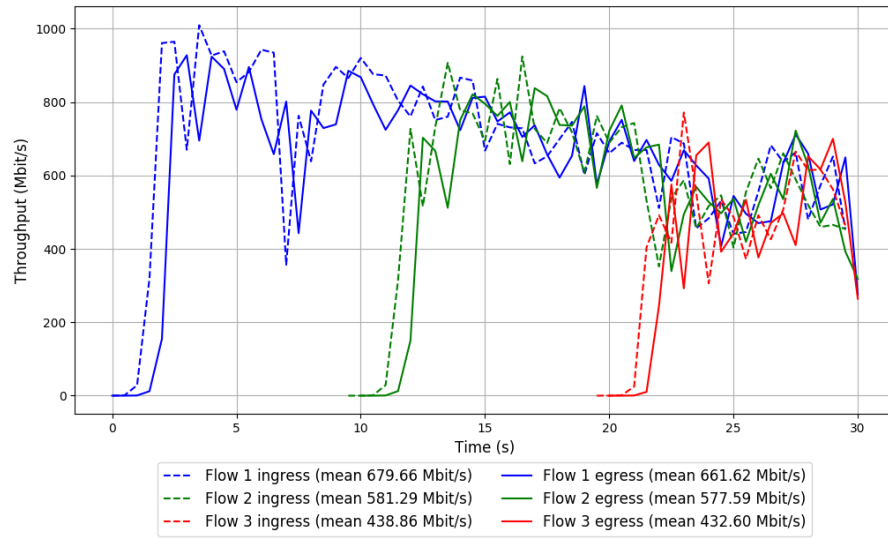


Run 3: Statistics of FillP

Start at: 2018-08-11 22:04:19
End at: 2018-08-11 22:04:49
Local clock offset: -0.253 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-08-12 02:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 1185.54 Mbit/s
95th percentile per-packet one-way delay: 203.979 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 661.62 Mbit/s
95th percentile per-packet one-way delay: 207.251 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 577.59 Mbit/s
95th percentile per-packet one-way delay: 197.315 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 432.60 Mbit/s
95th percentile per-packet one-way delay: 224.372 ms
Loss rate: 4.14%

Run 3: Report of FillP — Data Link

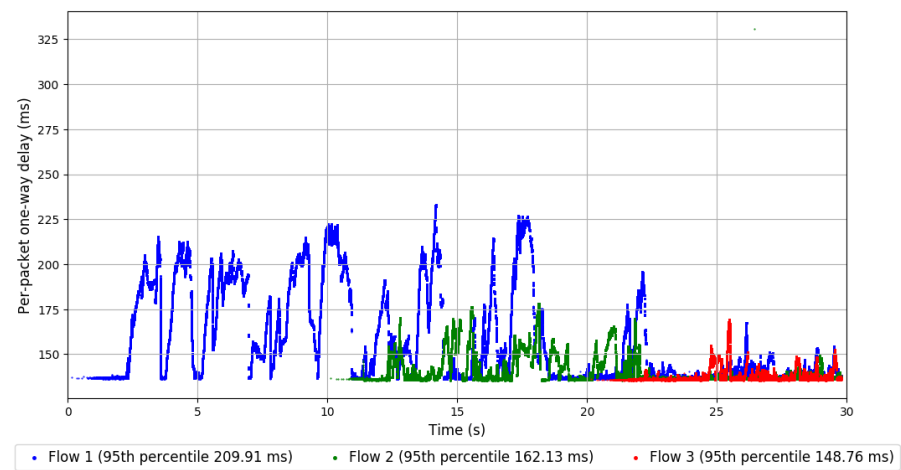
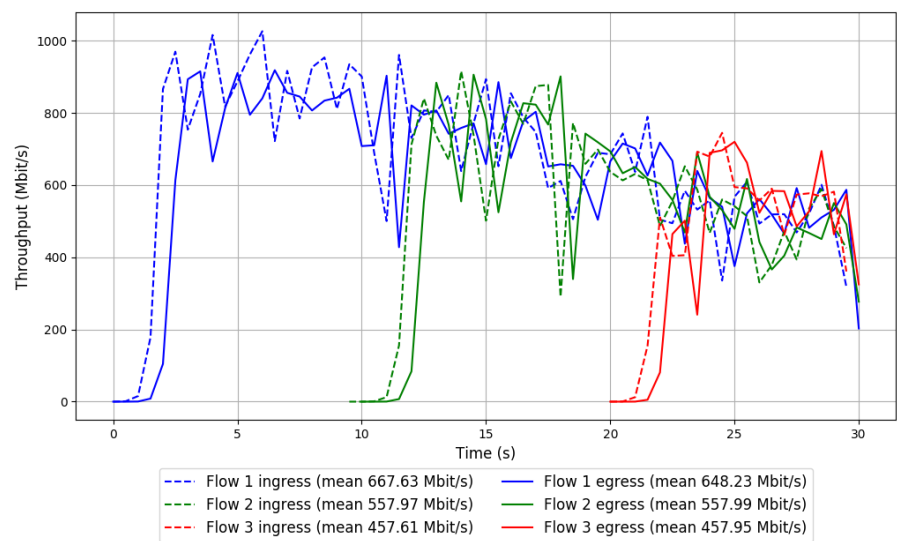


Run 4: Statistics of FillP

Start at: 2018-08-11 22:32:12
End at: 2018-08-11 22:32:42
Local clock offset: -0.229 ms
Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-12 02:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1166.62 Mbit/s
95th percentile per-packet one-way delay: 203.492 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 648.23 Mbit/s
95th percentile per-packet one-way delay: 209.913 ms
Loss rate: 3.78%
-- Flow 2:
Average throughput: 557.99 Mbit/s
95th percentile per-packet one-way delay: 162.132 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 457.95 Mbit/s
95th percentile per-packet one-way delay: 148.762 ms
Loss rate: 2.65%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-11 22:59:59

End at: 2018-08-11 23:00:29

Local clock offset: -0.074 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-08-12 02:37:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1130.80 Mbit/s

95th percentile per-packet one-way delay: 202.856 ms

Loss rate: 2.68%

-- Flow 1:

Average throughput: 629.15 Mbit/s

95th percentile per-packet one-way delay: 202.876 ms

Loss rate: 2.89%

-- Flow 2:

Average throughput: 537.23 Mbit/s

95th percentile per-packet one-way delay: 207.895 ms

Loss rate: 2.06%

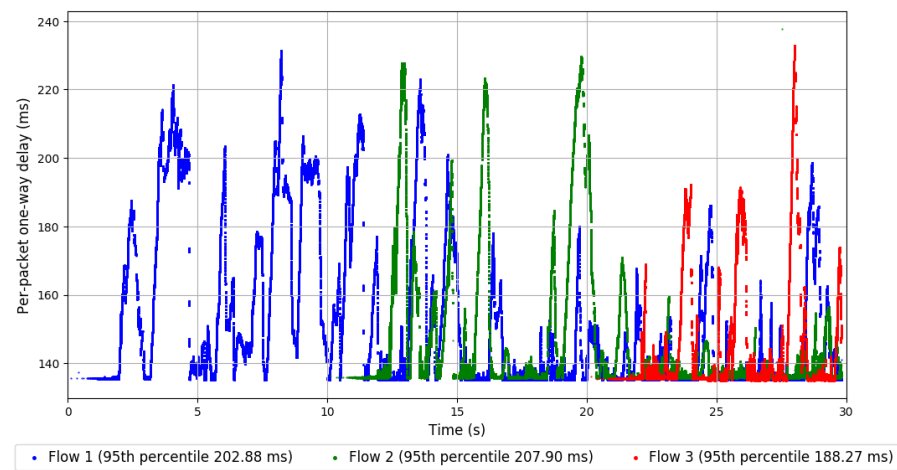
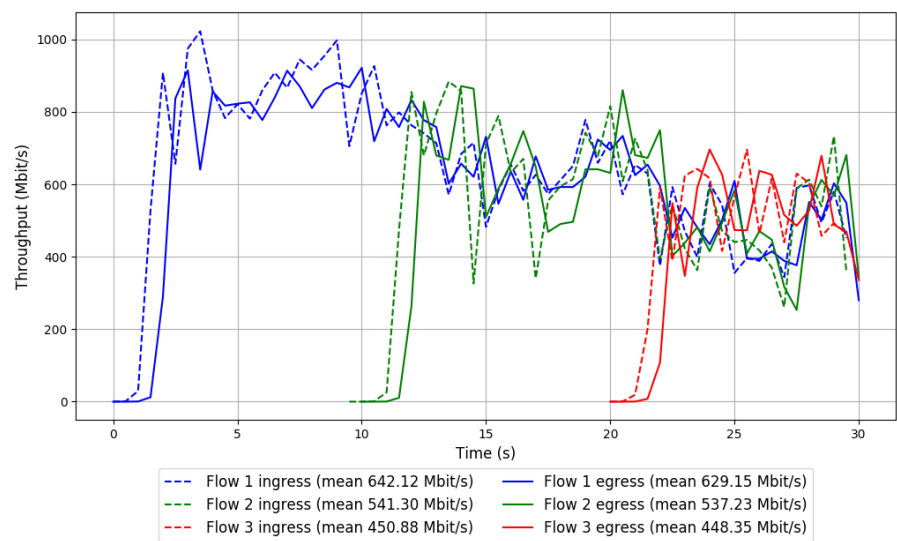
-- Flow 3:

Average throughput: 448.35 Mbit/s

95th percentile per-packet one-way delay: 188.273 ms

Loss rate: 3.31%

Run 5: Report of FillP — Data Link

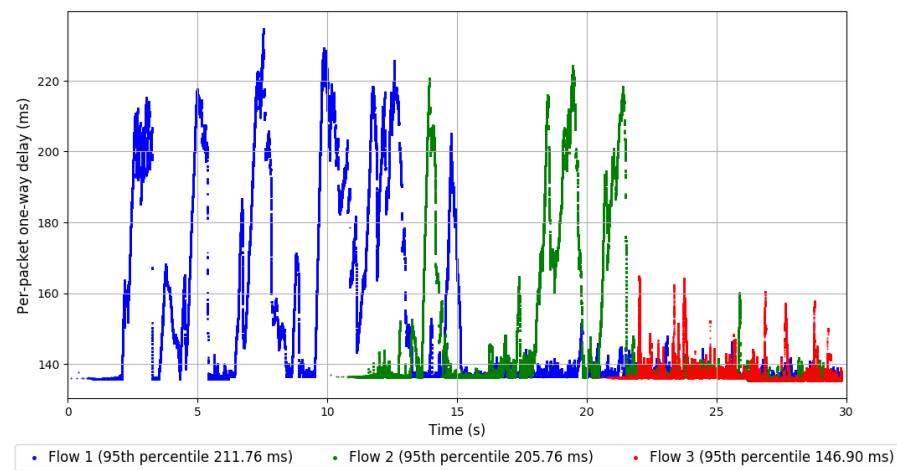
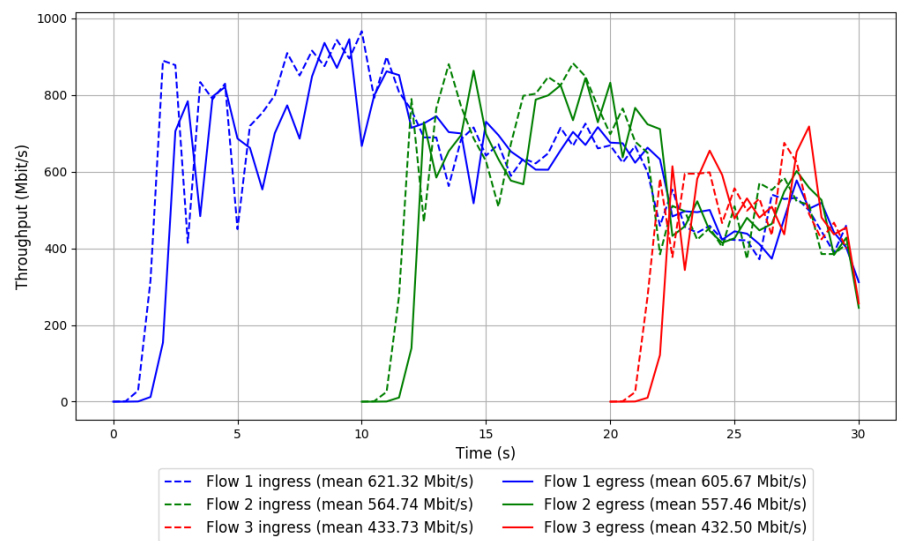


Run 6: Statistics of FillP

Start at: 2018-08-11 23:27:37
End at: 2018-08-11 23:28:07
Local clock offset: -0.23 ms
Remote clock offset: -0.611 ms

Below is generated by plot.py at 2018-08-12 02:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1115.82 Mbit/s
95th percentile per-packet one-way delay: 208.366 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 605.67 Mbit/s
95th percentile per-packet one-way delay: 211.762 ms
Loss rate: 3.38%
-- Flow 2:
Average throughput: 557.46 Mbit/s
95th percentile per-packet one-way delay: 205.764 ms
Loss rate: 2.64%
-- Flow 3:
Average throughput: 432.50 Mbit/s
95th percentile per-packet one-way delay: 146.897 ms
Loss rate: 3.03%

Run 6: Report of FillP — Data Link

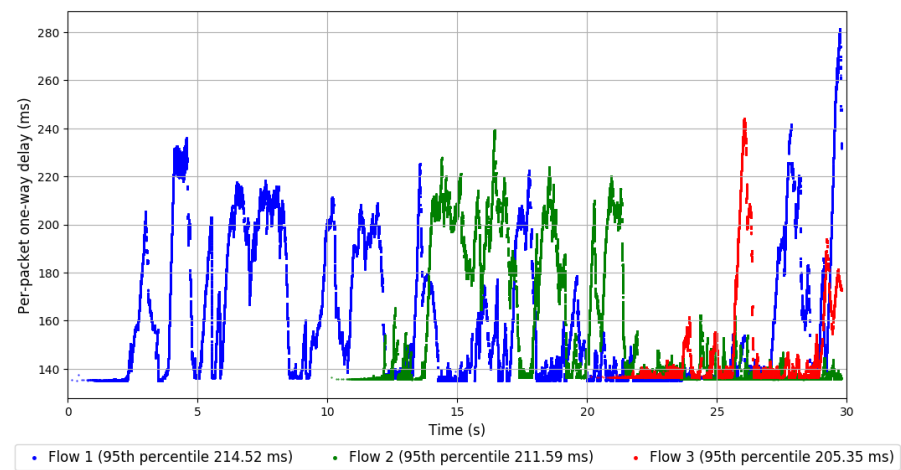
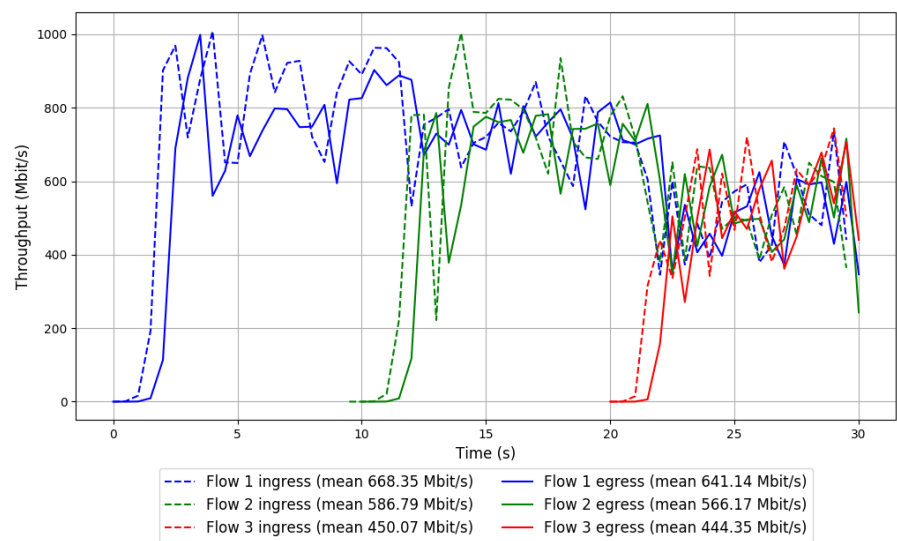


Run 7: Statistics of FillP

Start at: 2018-08-11 23:56:00
End at: 2018-08-11 23:56:30
Local clock offset: 0.132 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-12 02:37:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1160.41 Mbit/s
95th percentile per-packet one-way delay: 212.792 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 641.14 Mbit/s
95th percentile per-packet one-way delay: 214.516 ms
Loss rate: 4.95%
-- Flow 2:
Average throughput: 566.17 Mbit/s
95th percentile per-packet one-way delay: 211.592 ms
Loss rate: 4.90%
-- Flow 3:
Average throughput: 444.35 Mbit/s
95th percentile per-packet one-way delay: 205.346 ms
Loss rate: 4.01%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-12 00:24:34

End at: 2018-08-12 00:25:04

Local clock offset: 0.223 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-12 02:39:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1164.06 Mbit/s

95th percentile per-packet one-way delay: 205.244 ms

Loss rate: 3.52%

-- Flow 1:

Average throughput: 662.77 Mbit/s

95th percentile per-packet one-way delay: 203.032 ms

Loss rate: 3.26%

-- Flow 2:

Average throughput: 549.95 Mbit/s

95th percentile per-packet one-way delay: 209.471 ms

Loss rate: 4.35%

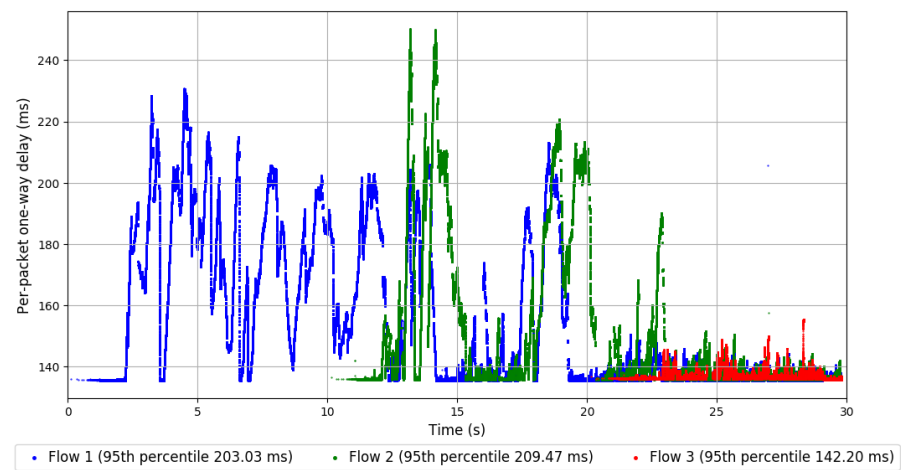
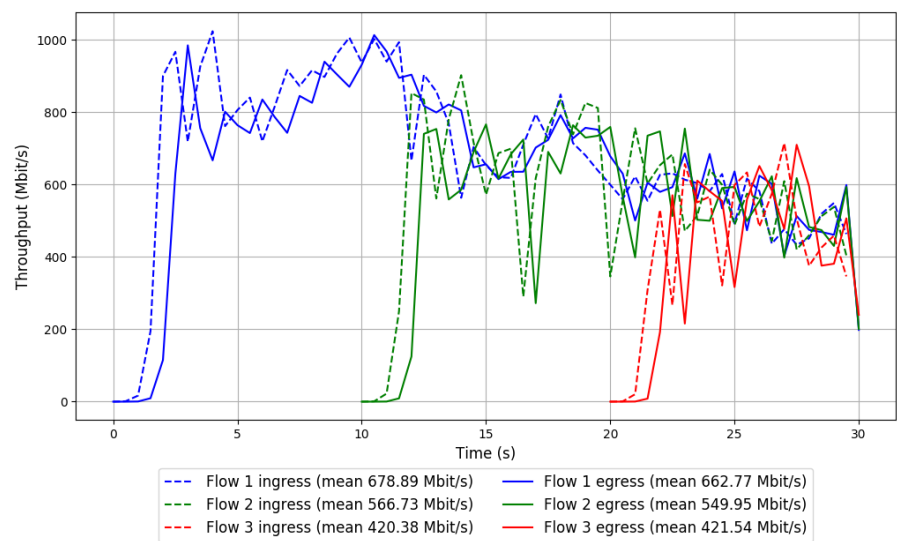
-- Flow 3:

Average throughput: 421.54 Mbit/s

95th percentile per-packet one-way delay: 142.198 ms

Loss rate: 2.50%

Run 8: Report of FillP — Data Link

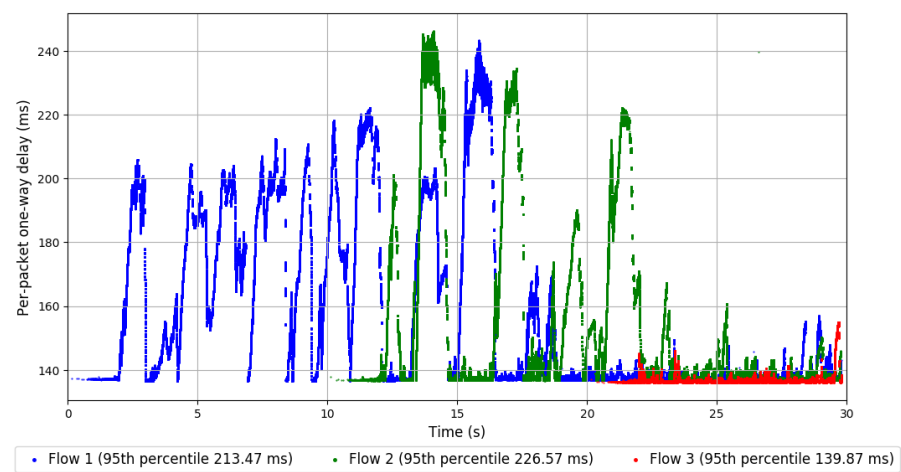
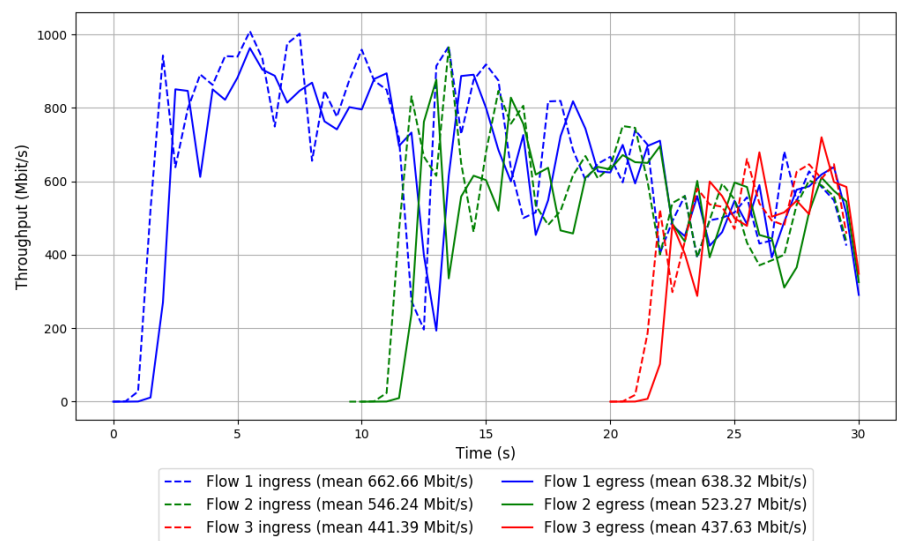


Run 9: Statistics of FillP

Start at: 2018-08-12 00:52:31
End at: 2018-08-12 00:53:01
Local clock offset: -0.248 ms
Remote clock offset: -0.524 ms

Below is generated by plot.py at 2018-08-12 02:57:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 1127.11 Mbit/s
95th percentile per-packet one-way delay: 217.262 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 638.32 Mbit/s
95th percentile per-packet one-way delay: 213.466 ms
Loss rate: 4.52%
-- Flow 2:
Average throughput: 523.27 Mbit/s
95th percentile per-packet one-way delay: 226.569 ms
Loss rate: 5.55%
-- Flow 3:
Average throughput: 437.63 Mbit/s
95th percentile per-packet one-way delay: 139.869 ms
Loss rate: 3.58%

Run 9: Report of FillP — Data Link

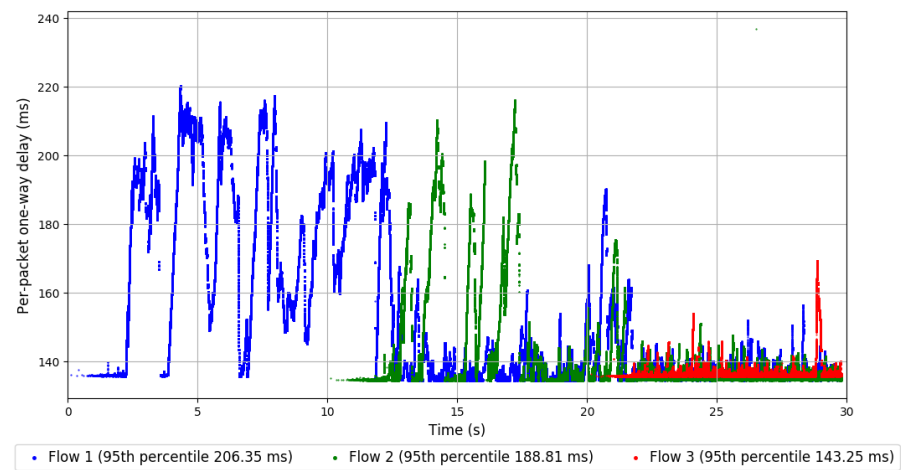
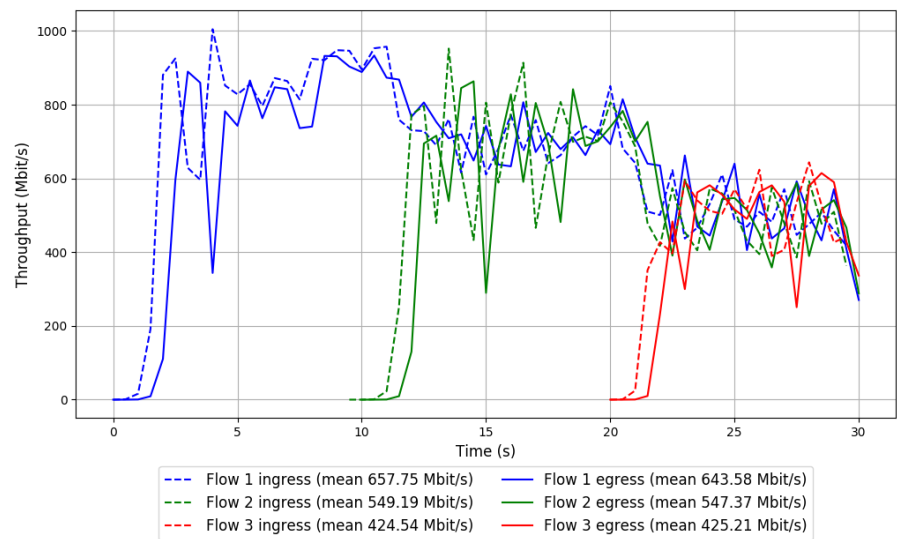


Run 10: Statistics of FillP

Start at: 2018-08-12 01:20:36
End at: 2018-08-12 01:21:06
Local clock offset: -0.048 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-12 02:59:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1144.88 Mbit/s
95th percentile per-packet one-way delay: 200.807 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 643.58 Mbit/s
95th percentile per-packet one-way delay: 206.355 ms
Loss rate: 3.05%
-- Flow 2:
Average throughput: 547.37 Mbit/s
95th percentile per-packet one-way delay: 188.814 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 425.21 Mbit/s
95th percentile per-packet one-way delay: 143.249 ms
Loss rate: 2.62%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-11 21:06:24

End at: 2018-08-11 21:06:54

Local clock offset: 0.03 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-08-12 02:59:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 1068.28 Mbit/s

95th percentile per-packet one-way delay: 206.428 ms

Loss rate: 3.02%

-- Flow 1:

Average throughput: 572.40 Mbit/s

95th percentile per-packet one-way delay: 213.224 ms

Loss rate: 4.35%

-- Flow 2:

Average throughput: 547.91 Mbit/s

95th percentile per-packet one-way delay: 160.955 ms

Loss rate: 0.95%

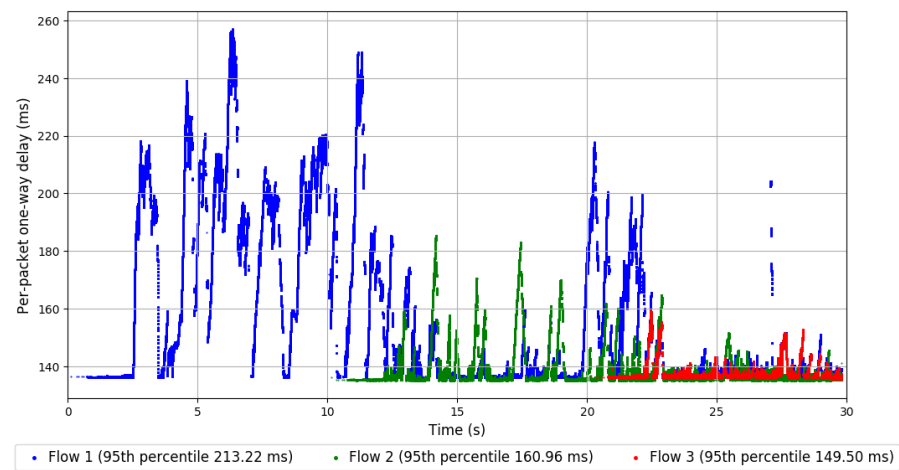
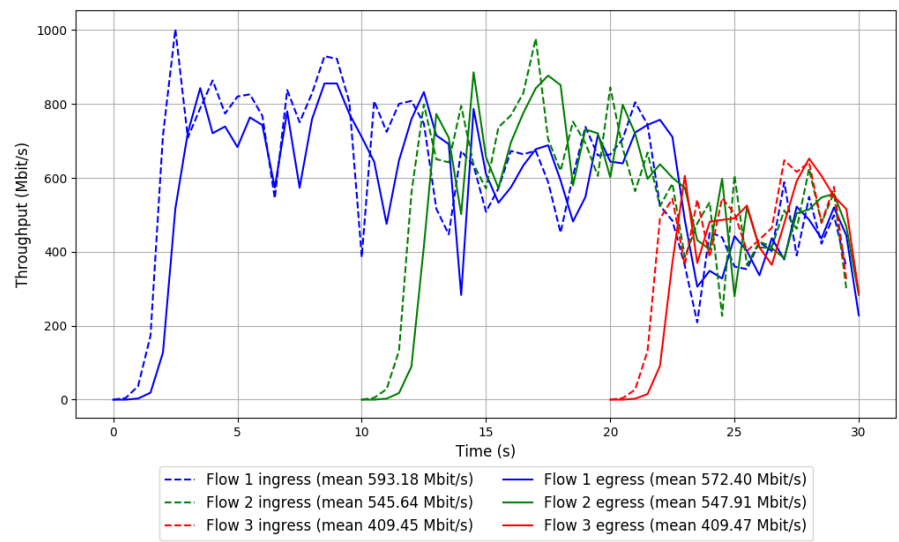
-- Flow 3:

Average throughput: 409.47 Mbit/s

95th percentile per-packet one-way delay: 149.495 ms

Loss rate: 2.78%

Run 1: Report of FillP-Sheep — Data Link

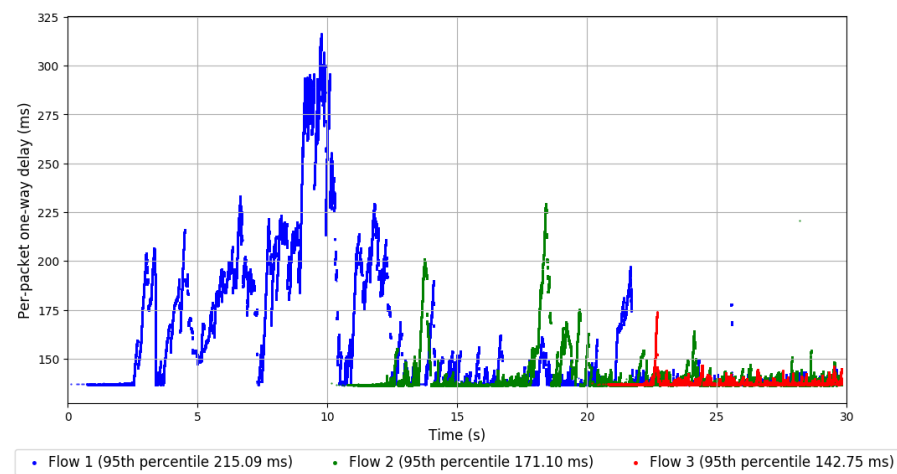
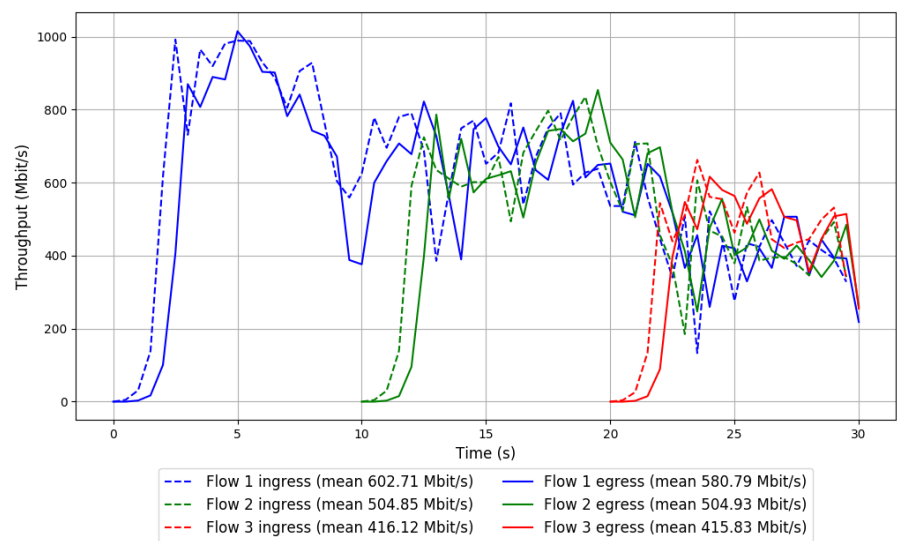


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-11 21:34:13
End at: 2018-08-11 21:34:43
Local clock offset: 0.132 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-08-12 02:59:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1049.75 Mbit/s
95th percentile per-packet one-way delay: 205.404 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 580.79 Mbit/s
95th percentile per-packet one-way delay: 215.087 ms
Loss rate: 4.52%
-- Flow 2:
Average throughput: 504.93 Mbit/s
95th percentile per-packet one-way delay: 171.099 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 415.83 Mbit/s
95th percentile per-packet one-way delay: 142.748 ms
Loss rate: 2.69%

Run 2: Report of FillP-Sheep — Data Link

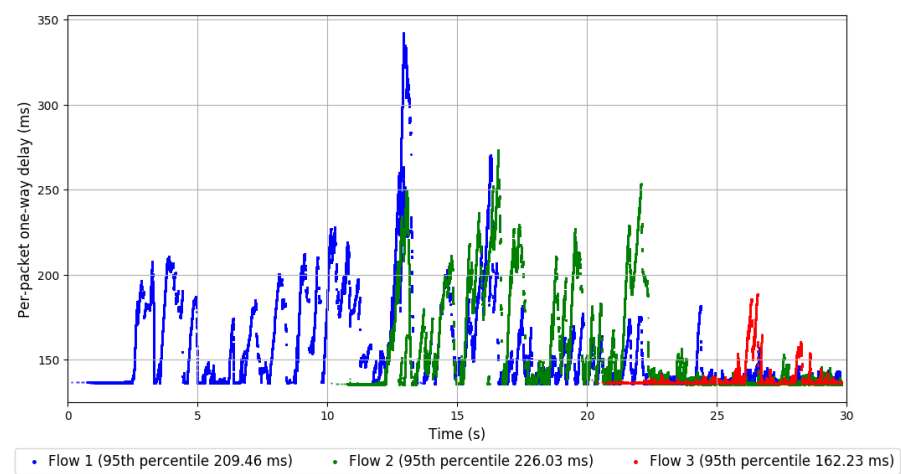
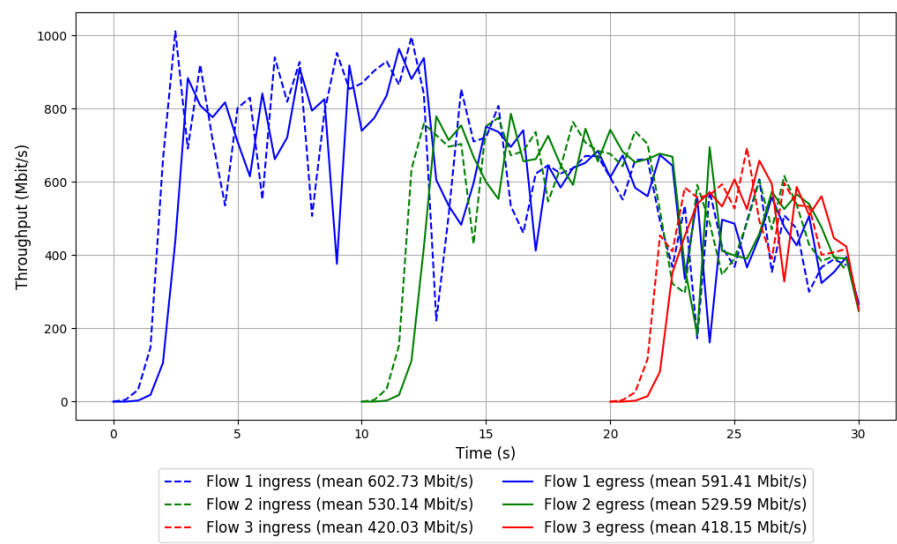


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-11 22:02:10
End at: 2018-08-11 22:02:40
Local clock offset: -0.04 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-12 02:59:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1077.19 Mbit/s
95th percentile per-packet one-way delay: 216.926 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 591.41 Mbit/s
95th percentile per-packet one-way delay: 209.462 ms
Loss rate: 2.86%
-- Flow 2:
Average throughput: 529.59 Mbit/s
95th percentile per-packet one-way delay: 226.028 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 418.15 Mbit/s
95th percentile per-packet one-way delay: 162.227 ms
Loss rate: 3.22%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-11 22:30:04

End at: 2018-08-11 22:30:34

Local clock offset: -0.202 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-08-12 02:59:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1045.16 Mbit/s

95th percentile per-packet one-way delay: 203.284 ms

Loss rate: 2.26%

-- Flow 1:

Average throughput: 579.24 Mbit/s

95th percentile per-packet one-way delay: 209.621 ms

Loss rate: 2.58%

-- Flow 2:

Average throughput: 501.22 Mbit/s

95th percentile per-packet one-way delay: 161.678 ms

Loss rate: 1.18%

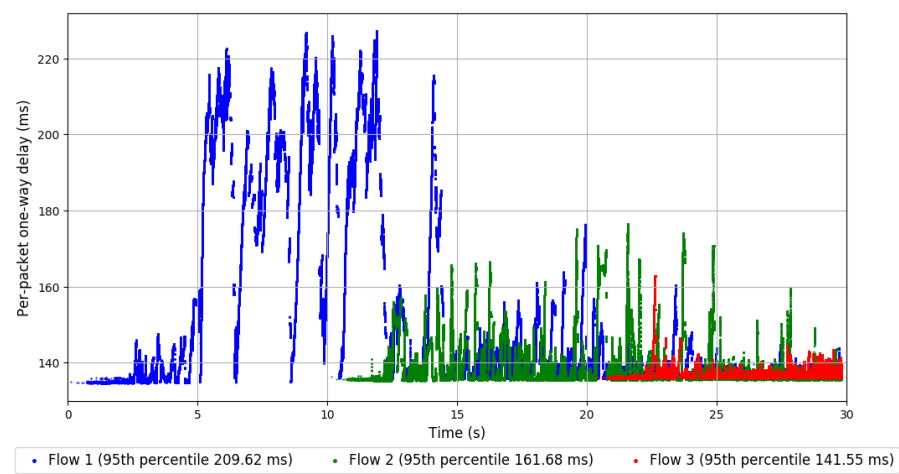
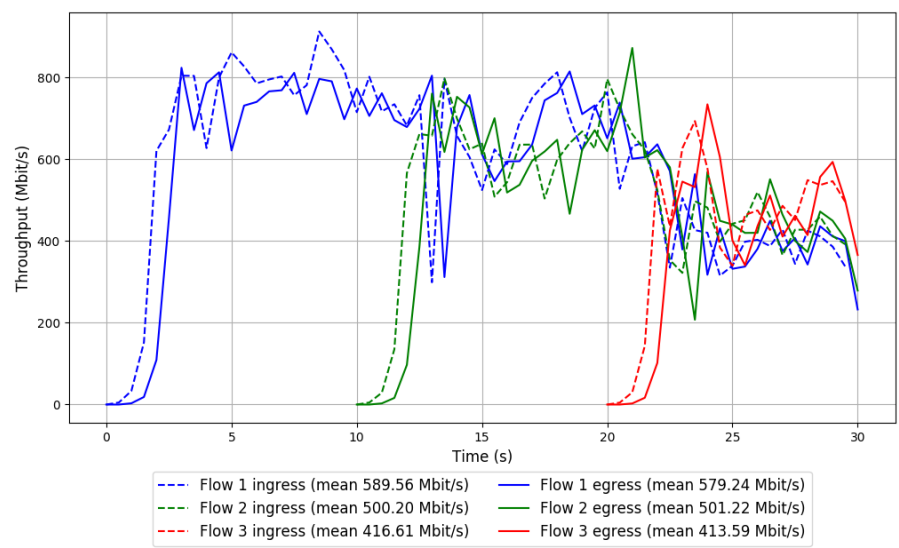
-- Flow 3:

Average throughput: 413.59 Mbit/s

95th percentile per-packet one-way delay: 141.551 ms

Loss rate: 3.48%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-11 22:57:47

End at: 2018-08-11 22:58:17

Local clock offset: -0.066 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-08-12 03:01:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 1099.26 Mbit/s

95th percentile per-packet one-way delay: 201.250 ms

Loss rate: 2.19%

-- Flow 1:

Average throughput: 617.91 Mbit/s

95th percentile per-packet one-way delay: 206.359 ms

Loss rate: 2.46%

-- Flow 2:

Average throughput: 533.26 Mbit/s

95th percentile per-packet one-way delay: 176.254 ms

Loss rate: 1.42%

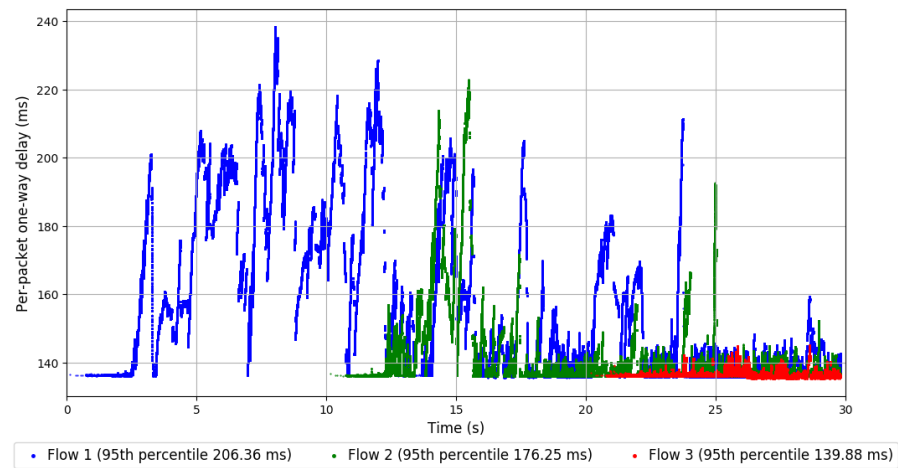
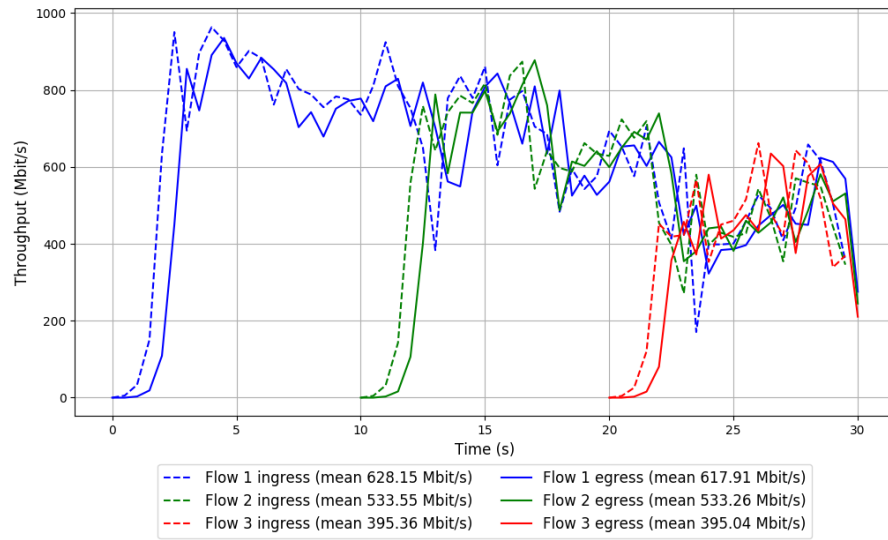
-- Flow 3:

Average throughput: 395.04 Mbit/s

95th percentile per-packet one-way delay: 139.878 ms

Loss rate: 2.98%

Run 5: Report of FillP-Sheep — Data Link

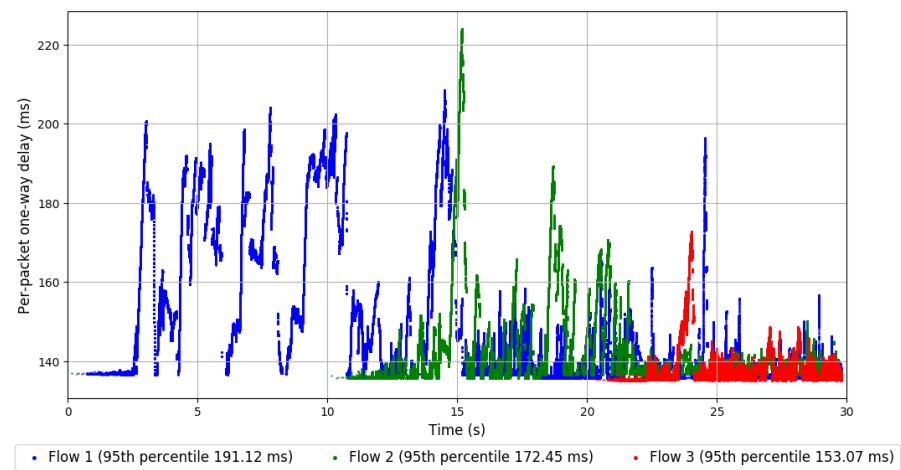
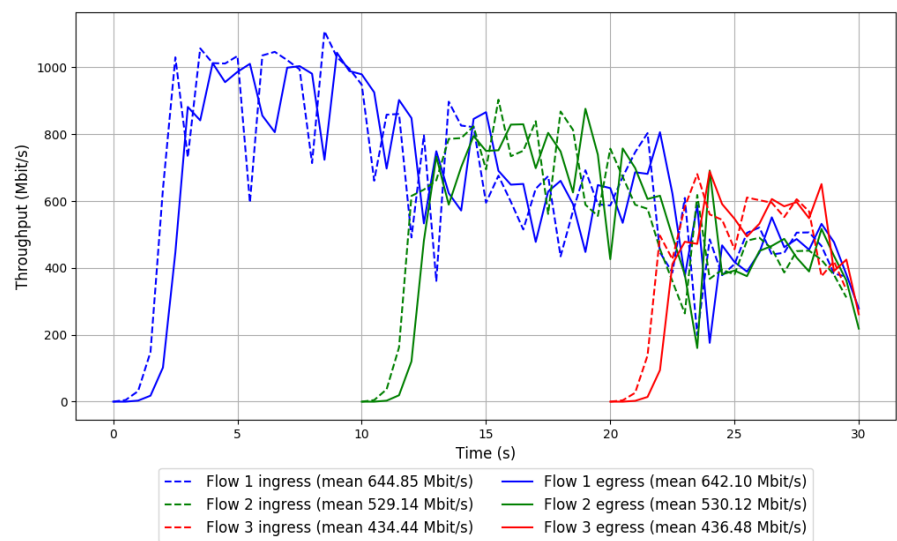


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-11 23:25:25
End at: 2018-08-11 23:25:55
Local clock offset: -0.011 ms
Remote clock offset: -0.558 ms

Below is generated by plot.py at 2018-08-12 03:05:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 1134.59 Mbit/s
95th percentile per-packet one-way delay: 188.539 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 642.10 Mbit/s
95th percentile per-packet one-way delay: 191.117 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 530.12 Mbit/s
95th percentile per-packet one-way delay: 172.451 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 436.48 Mbit/s
95th percentile per-packet one-way delay: 153.068 ms
Loss rate: 2.21%

Run 6: Report of FillP-Sheep — Data Link

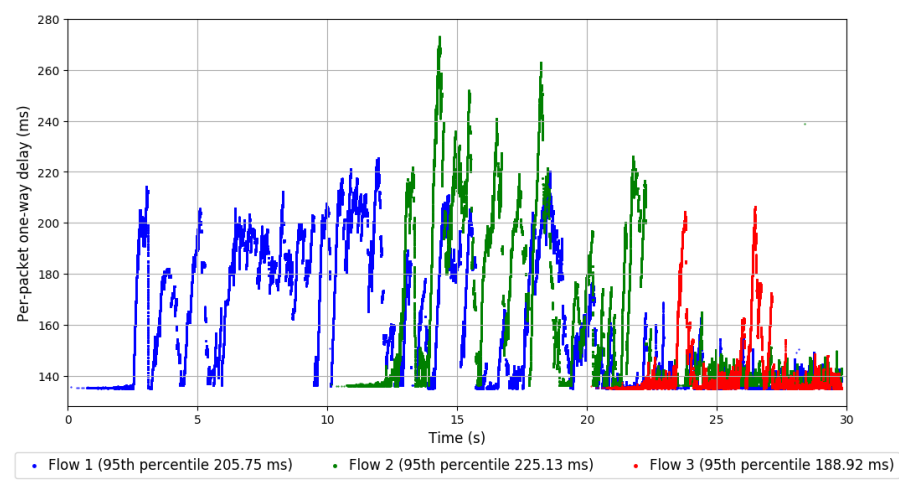
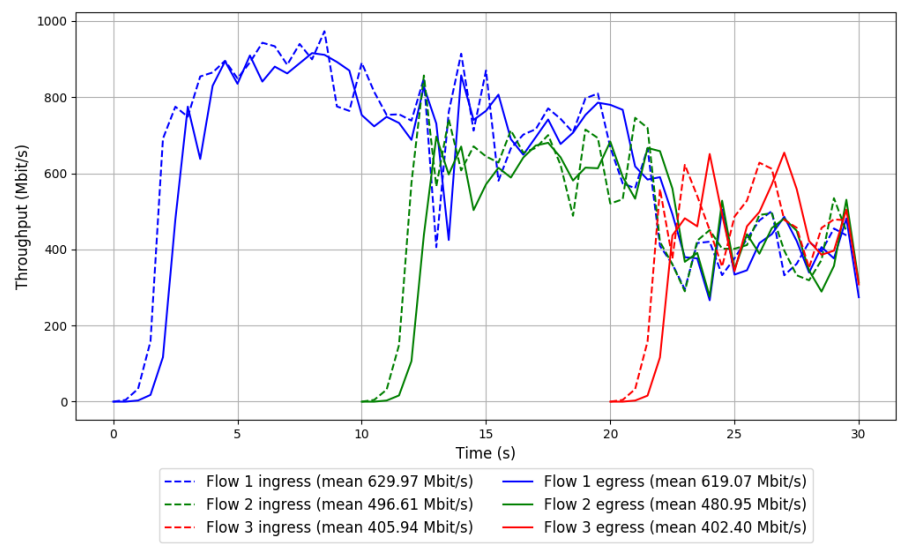


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-11 23:53:50
End at: 2018-08-11 23:54:20
Local clock offset: -0.045 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-12 03:20:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 1068.43 Mbit/s
95th percentile per-packet one-way delay: 211.036 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 619.07 Mbit/s
95th percentile per-packet one-way delay: 205.753 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 480.95 Mbit/s
95th percentile per-packet one-way delay: 225.132 ms
Loss rate: 4.49%
-- Flow 3:
Average throughput: 402.40 Mbit/s
95th percentile per-packet one-way delay: 188.923 ms
Loss rate: 3.61%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-12 00:22:24

End at: 2018-08-12 00:22:54

Local clock offset: 0.113 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-08-12 03:22:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 1084.28 Mbit/s

95th percentile per-packet one-way delay: 207.441 ms

Loss rate: 3.34%

-- Flow 1:

Average throughput: 600.38 Mbit/s

95th percentile per-packet one-way delay: 211.495 ms

Loss rate: 4.21%

-- Flow 2:

Average throughput: 530.95 Mbit/s

95th percentile per-packet one-way delay: 199.286 ms

Loss rate: 1.79%

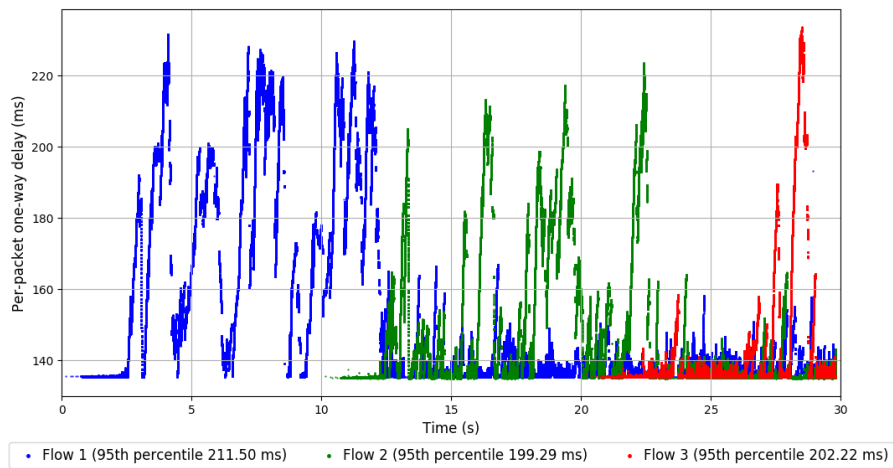
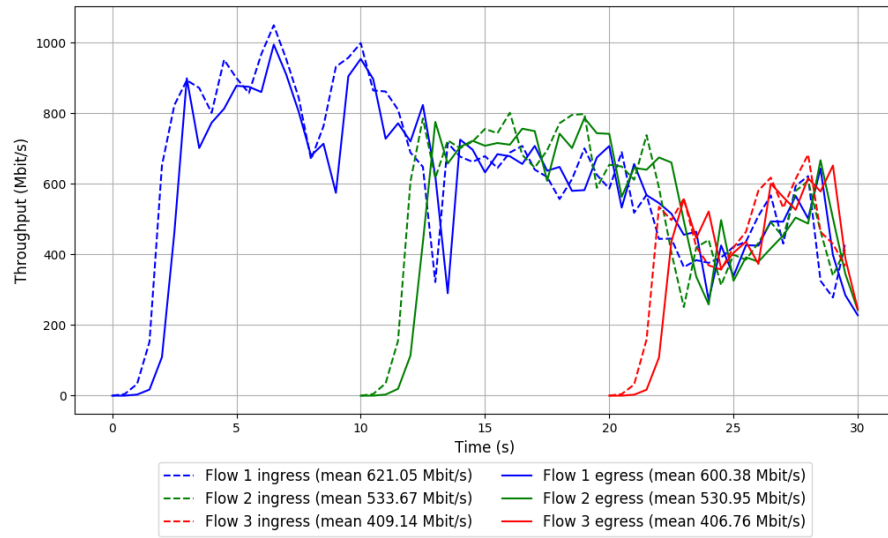
-- Flow 3:

Average throughput: 406.76 Mbit/s

95th percentile per-packet one-way delay: 202.218 ms

Loss rate: 3.39%

Run 8: Report of FillP-Sheep — Data Link

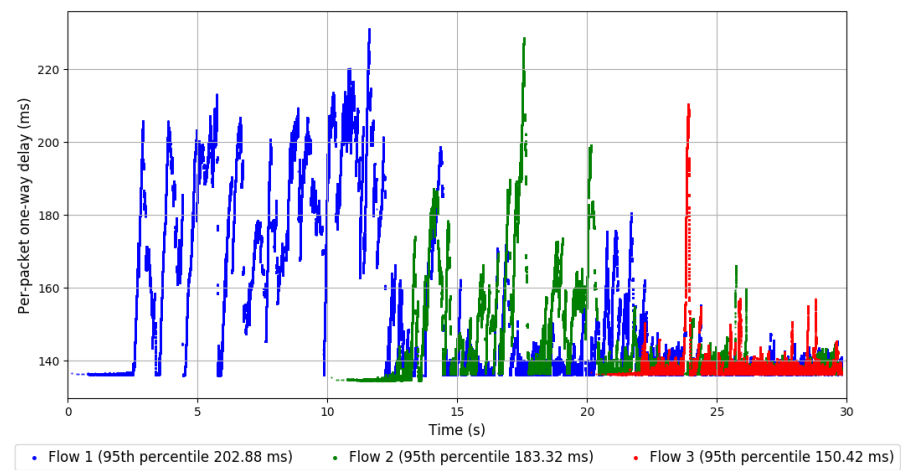
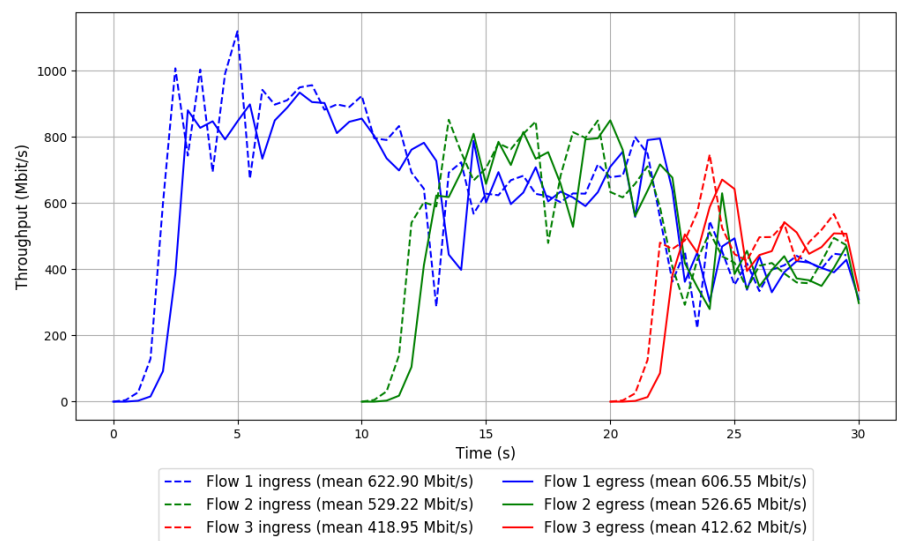


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-12 00:50:19
End at: 2018-08-12 00:50:49
Local clock offset: -0.046 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1089.49 Mbit/s
95th percentile per-packet one-way delay: 199.686 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 606.55 Mbit/s
95th percentile per-packet one-way delay: 202.881 ms
Loss rate: 3.50%
-- Flow 2:
Average throughput: 526.65 Mbit/s
95th percentile per-packet one-way delay: 183.323 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 412.62 Mbit/s
95th percentile per-packet one-way delay: 150.424 ms
Loss rate: 4.21%

Run 9: Report of FillP-Sheep — Data Link

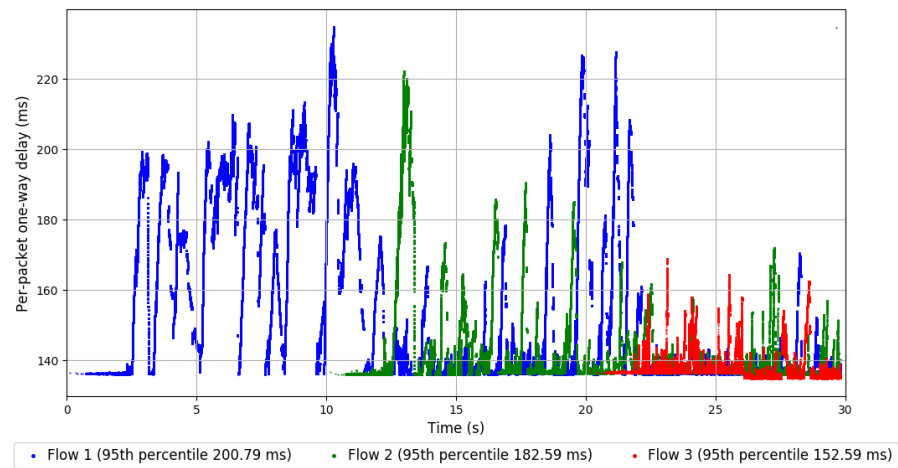
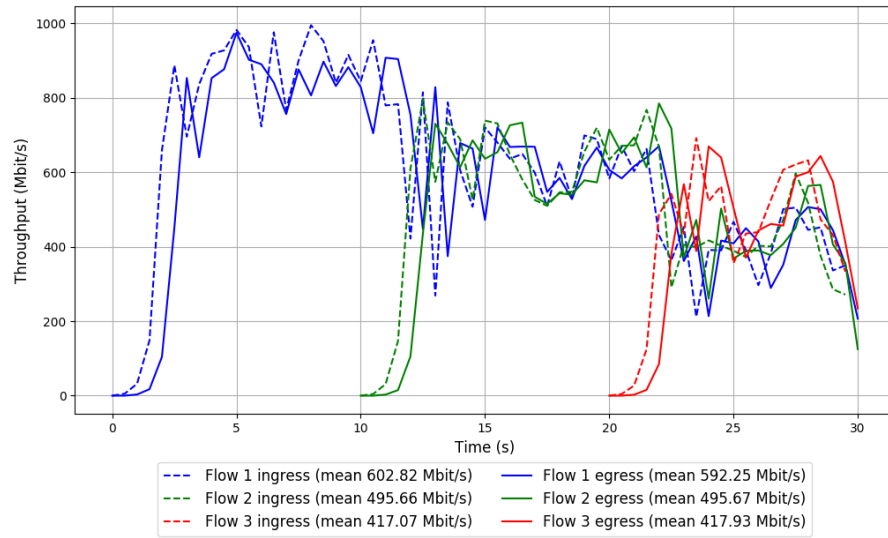


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-12 01:18:27
End at: 2018-08-12 01:18:57
Local clock offset: -0.058 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1055.97 Mbit/s
95th percentile per-packet one-way delay: 196.908 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 592.25 Mbit/s
95th percentile per-packet one-way delay: 200.792 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 495.67 Mbit/s
95th percentile per-packet one-way delay: 182.586 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 417.93 Mbit/s
95th percentile per-packet one-way delay: 152.589 ms
Loss rate: 2.57%

Run 10: Report of FillP-Sheep — Data Link

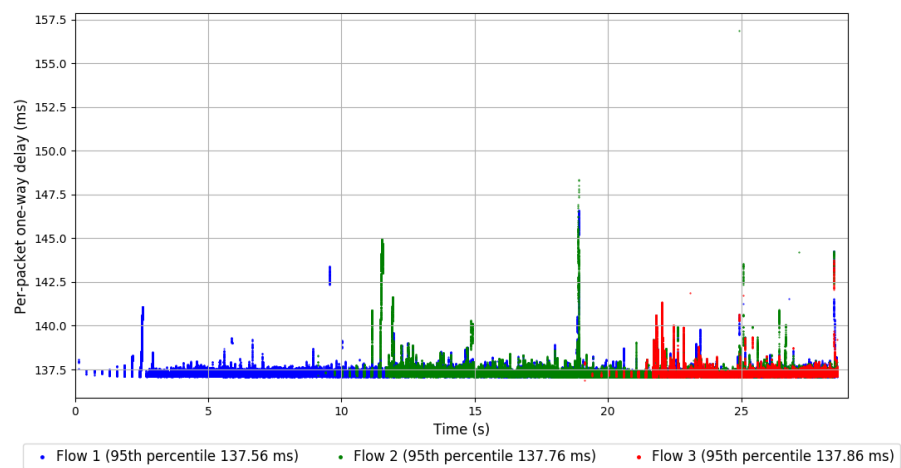
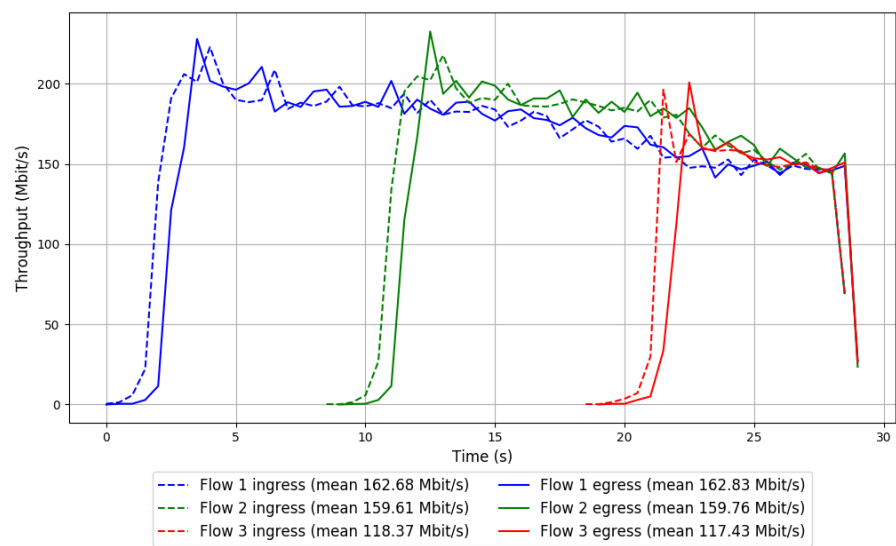


```
Run 1: Statistics of Indigo

Start at: 2018-08-11 20:47:37
End at: 2018-08-11 20:48:07
Local clock offset: 0.151 ms
Remote clock offset: -0.602 ms

# Below is generated by plot.py at 2018-08-12 03:22:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.17 Mbit/s
95th percentile per-packet one-way delay: 137.651 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 162.83 Mbit/s
95th percentile per-packet one-way delay: 137.565 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 159.76 Mbit/s
95th percentile per-packet one-way delay: 137.759 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 117.43 Mbit/s
95th percentile per-packet one-way delay: 137.860 ms
Loss rate: 3.52%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-11 21:15:10

End at: 2018-08-11 21:15:40

Local clock offset: 0.046 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-12 03:22:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.22 Mbit/s

95th percentile per-packet one-way delay: 136.778 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 128.84 Mbit/s

95th percentile per-packet one-way delay: 136.422 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 143.83 Mbit/s

95th percentile per-packet one-way delay: 137.163 ms

Loss rate: 1.39%

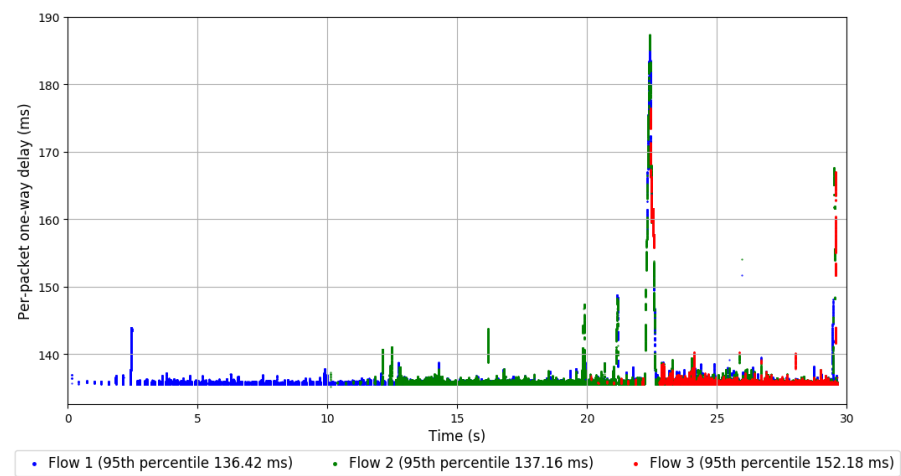
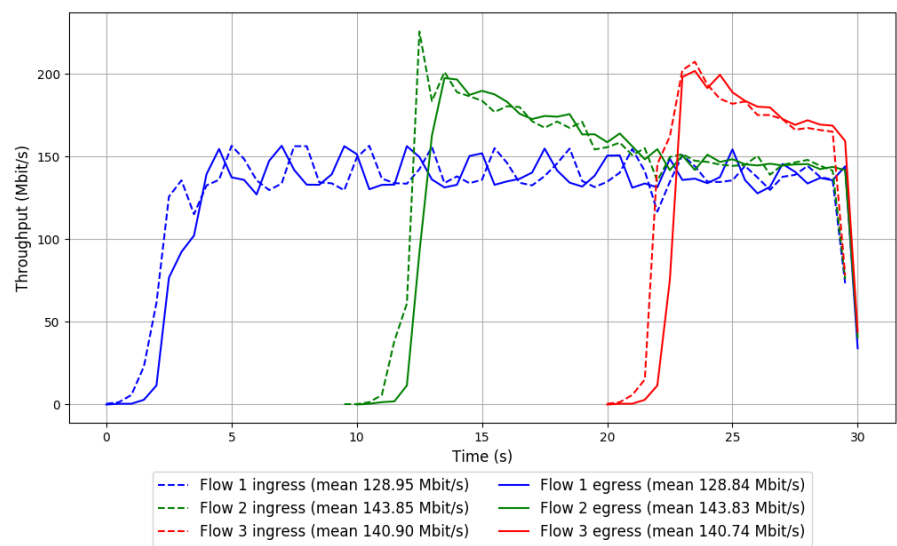
-- Flow 3:

Average throughput: 140.74 Mbit/s

95th percentile per-packet one-way delay: 152.177 ms

Loss rate: 2.92%

Run 2: Report of Indigo — Data Link

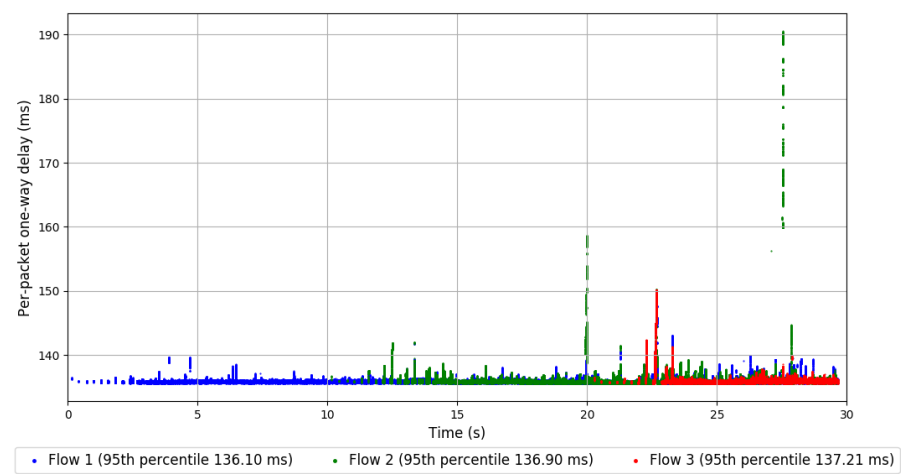
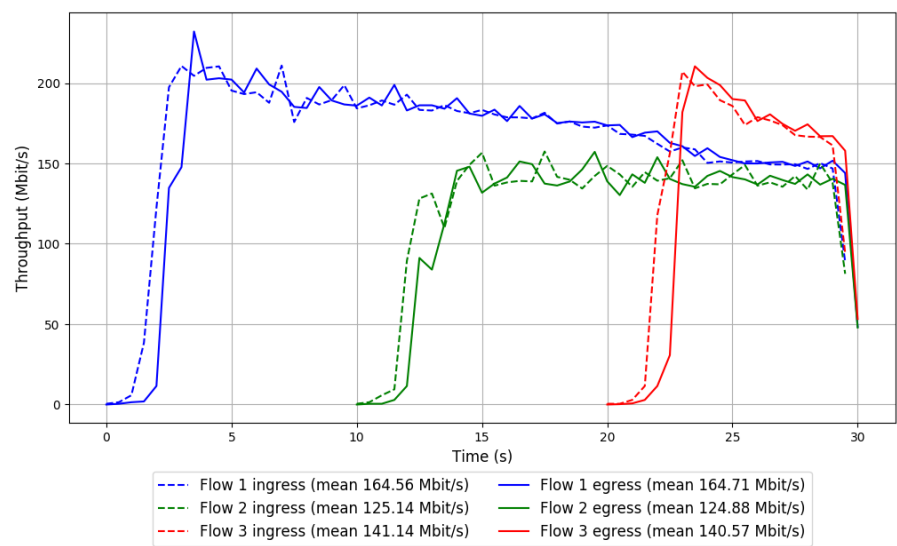


Run 3: Statistics of Indigo

Start at: 2018-08-11 21:43:16
End at: 2018-08-11 21:43:46
Local clock offset: -0.047 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.93 Mbit/s
95th percentile per-packet one-way delay: 136.375 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 164.71 Mbit/s
95th percentile per-packet one-way delay: 136.097 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 124.88 Mbit/s
95th percentile per-packet one-way delay: 136.901 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 140.57 Mbit/s
95th percentile per-packet one-way delay: 137.209 ms
Loss rate: 3.21%

Run 3: Report of Indigo — Data Link

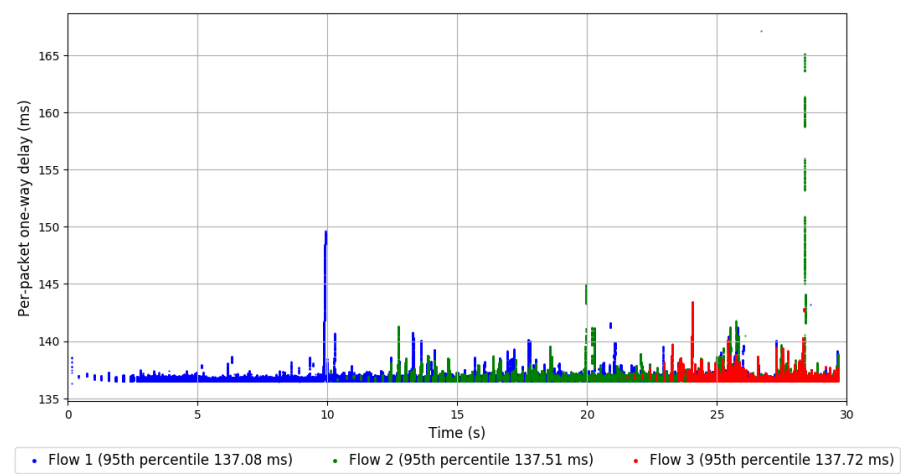
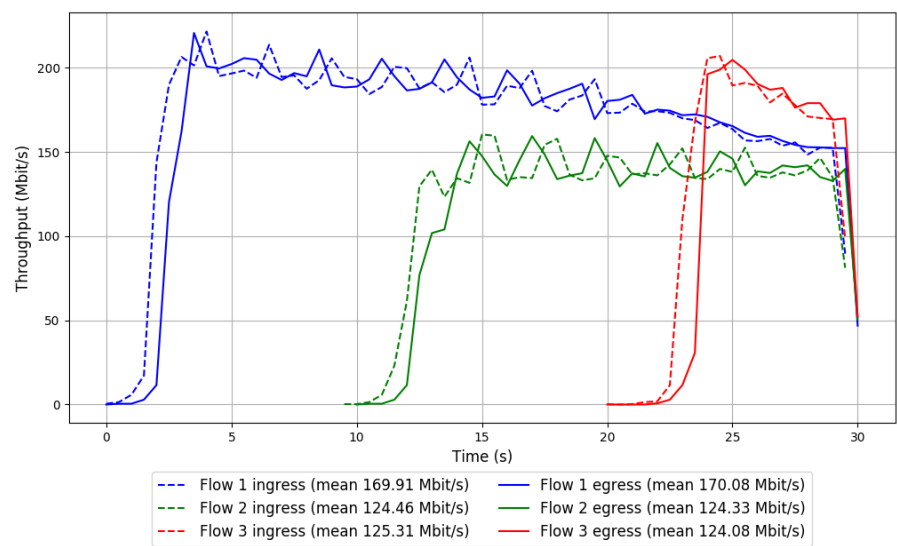


Run 4: Statistics of Indigo

Start at: 2018-08-11 22:11:13
End at: 2018-08-11 22:11:43
Local clock offset: -0.025 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.90 Mbit/s
95th percentile per-packet one-way delay: 137.280 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 170.08 Mbit/s
95th percentile per-packet one-way delay: 137.081 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 124.33 Mbit/s
95th percentile per-packet one-way delay: 137.510 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 124.08 Mbit/s
95th percentile per-packet one-way delay: 137.718 ms
Loss rate: 3.77%

Run 4: Report of Indigo — Data Link

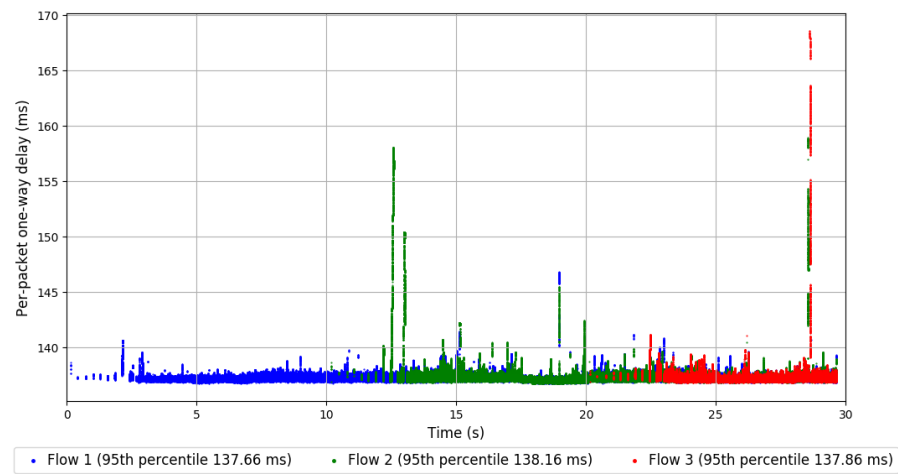
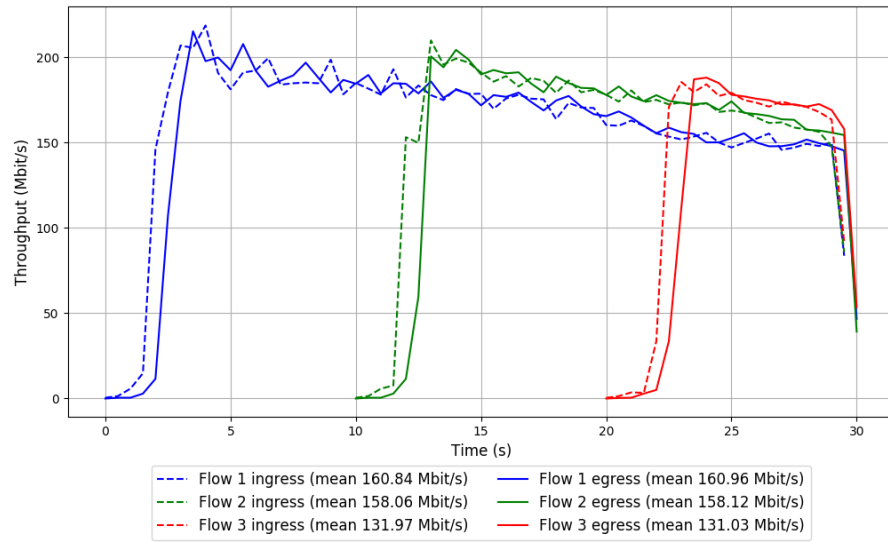


Run 5: Statistics of Indigo

Start at: 2018-08-11 22:38:58
End at: 2018-08-11 22:39:28
Local clock offset: -0.262 ms
Remote clock offset: -0.533 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.41 Mbit/s
95th percentile per-packet one-way delay: 137.807 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 160.96 Mbit/s
95th percentile per-packet one-way delay: 137.664 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 158.12 Mbit/s
95th percentile per-packet one-way delay: 138.164 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 131.03 Mbit/s
95th percentile per-packet one-way delay: 137.858 ms
Loss rate: 3.49%

Run 5: Report of Indigo — Data Link

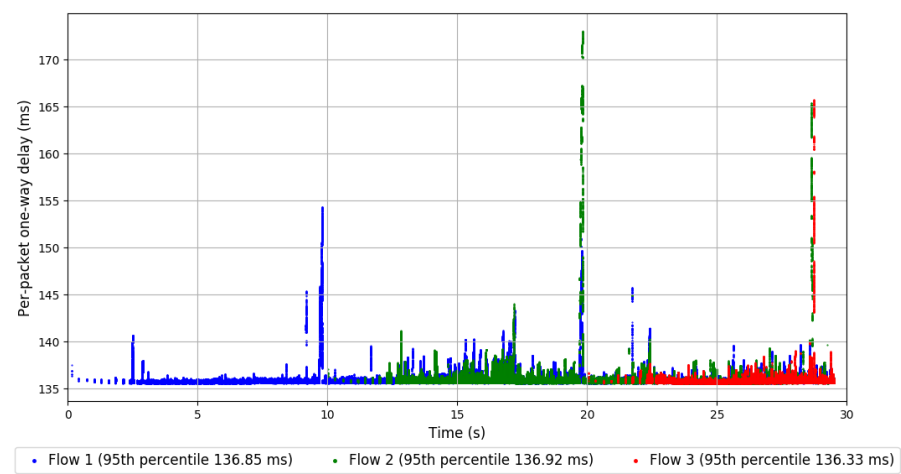
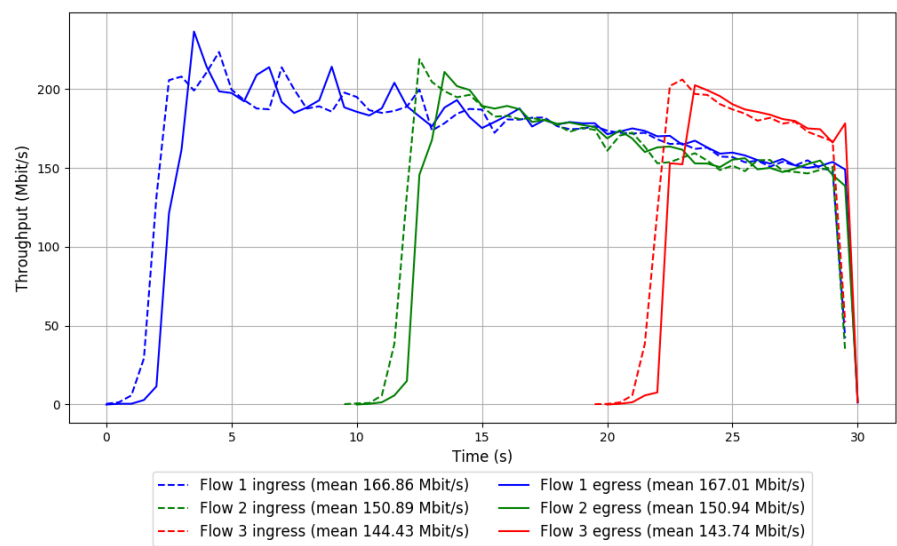


Run 6: Statistics of Indigo

Start at: 2018-08-11 23:06:39
End at: 2018-08-11 23:07:09
Local clock offset: -0.21 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.51 Mbit/s
95th percentile per-packet one-way delay: 136.780 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 167.01 Mbit/s
95th percentile per-packet one-way delay: 136.851 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 150.94 Mbit/s
95th percentile per-packet one-way delay: 136.916 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 143.74 Mbit/s
95th percentile per-packet one-way delay: 136.328 ms
Loss rate: 3.26%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-11 23:34:35

End at: 2018-08-11 23:35:05

Local clock offset: -0.061 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-08-12 03:22:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.21 Mbit/s

95th percentile per-packet one-way delay: 136.225 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 167.93 Mbit/s

95th percentile per-packet one-way delay: 135.826 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 161.95 Mbit/s

95th percentile per-packet one-way delay: 136.601 ms

Loss rate: 1.30%

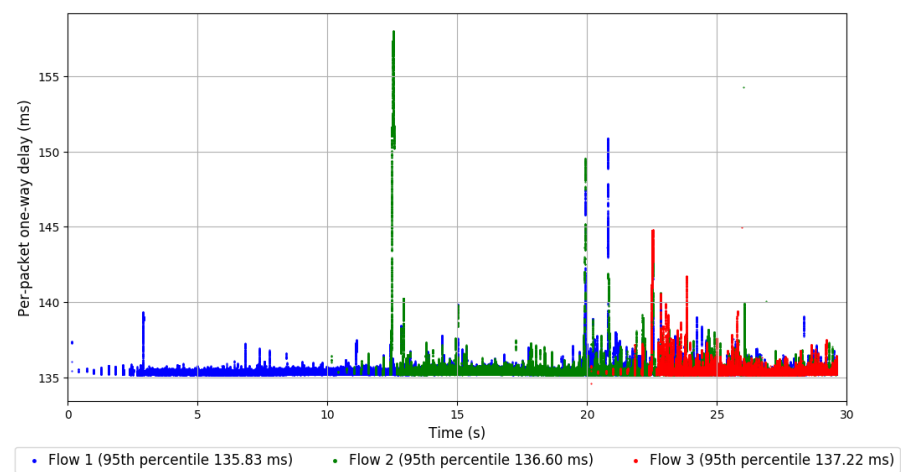
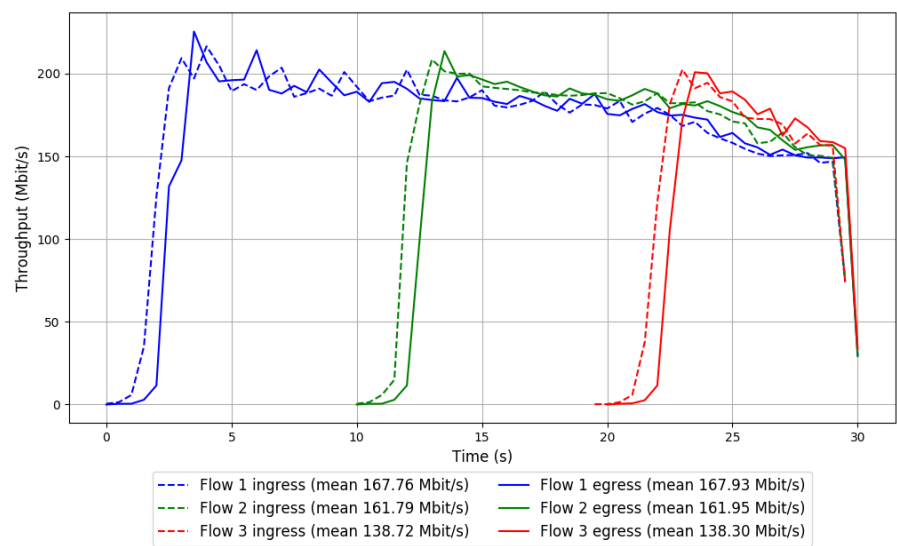
-- Flow 3:

Average throughput: 138.30 Mbit/s

95th percentile per-packet one-way delay: 137.217 ms

Loss rate: 3.10%

Run 7: Report of Indigo — Data Link

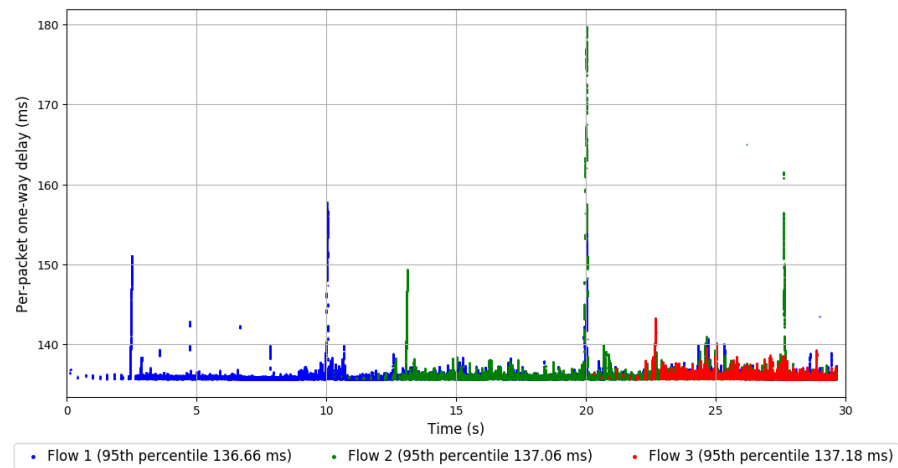
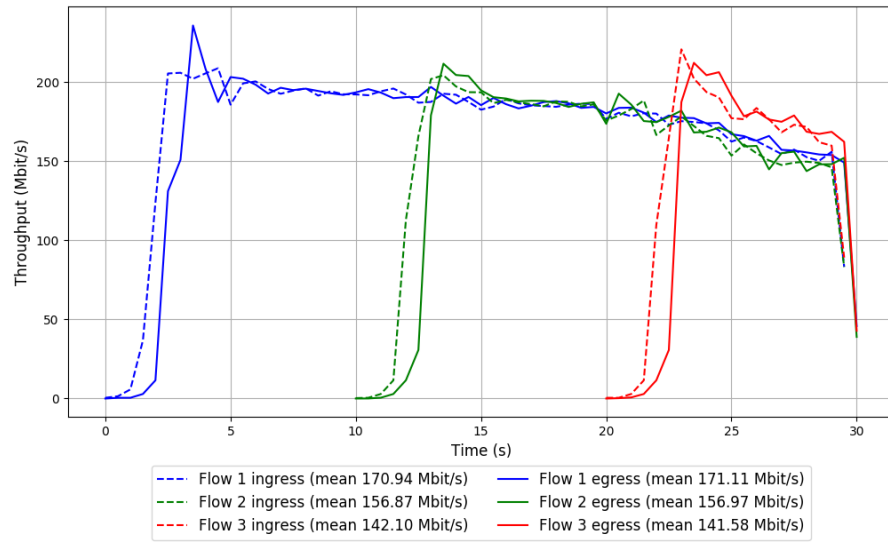


Run 8: Statistics of Indigo

Start at: 2018-08-12 00:03:07
End at: 2018-08-12 00:03:37
Local clock offset: 0.032 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.96 Mbit/s
95th percentile per-packet one-way delay: 136.863 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 171.11 Mbit/s
95th percentile per-packet one-way delay: 136.659 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 156.97 Mbit/s
95th percentile per-packet one-way delay: 137.060 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 141.58 Mbit/s
95th percentile per-packet one-way delay: 137.179 ms
Loss rate: 3.19%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-12 00:31:26

End at: 2018-08-12 00:31:56

Local clock offset: -0.049 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2018-08-12 03:22:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.98 Mbit/s

95th percentile per-packet one-way delay: 136.323 ms

Loss rate: 1.43%

-- Flow 1:

Average throughput: 161.39 Mbit/s

95th percentile per-packet one-way delay: 136.028 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 145.49 Mbit/s

95th percentile per-packet one-way delay: 136.712 ms

Loss rate: 1.37%

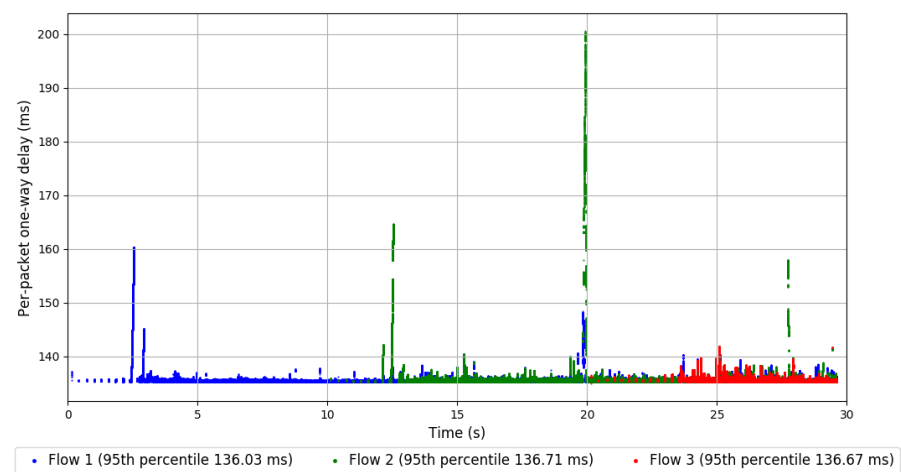
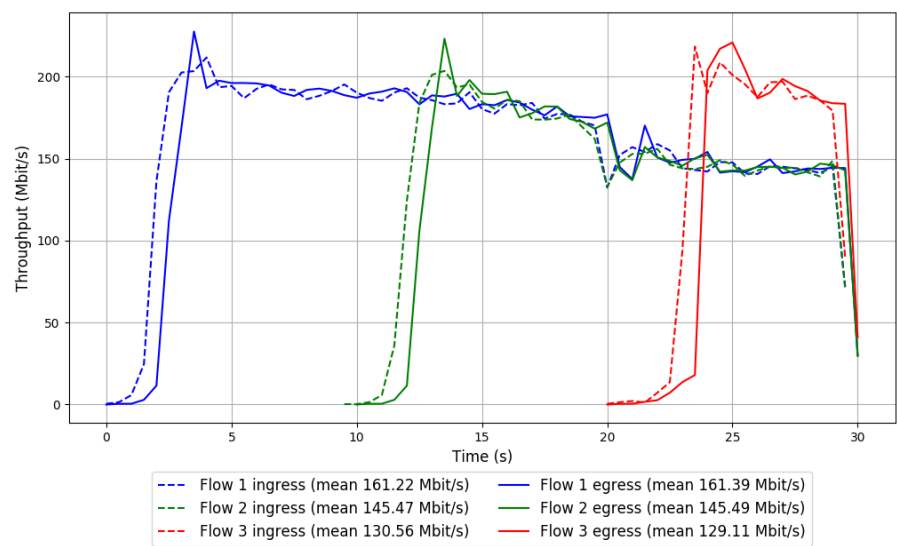
-- Flow 3:

Average throughput: 129.11 Mbit/s

95th percentile per-packet one-way delay: 136.671 ms

Loss rate: 3.86%

Run 9: Report of Indigo — Data Link

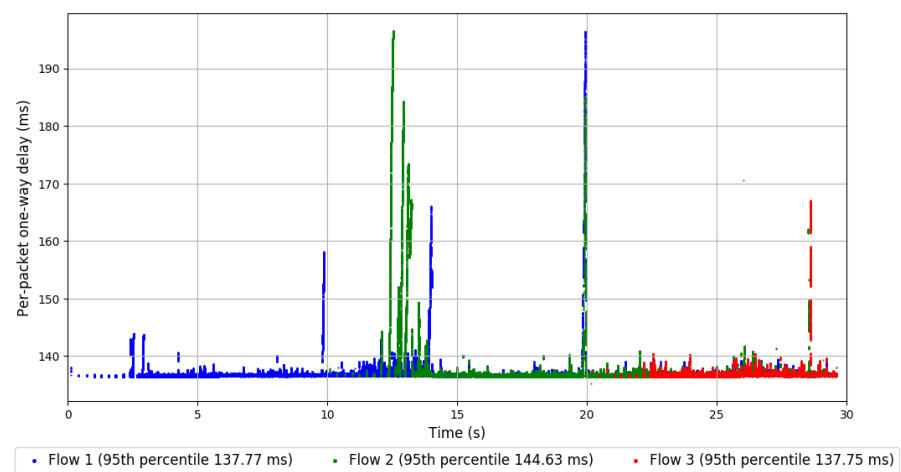
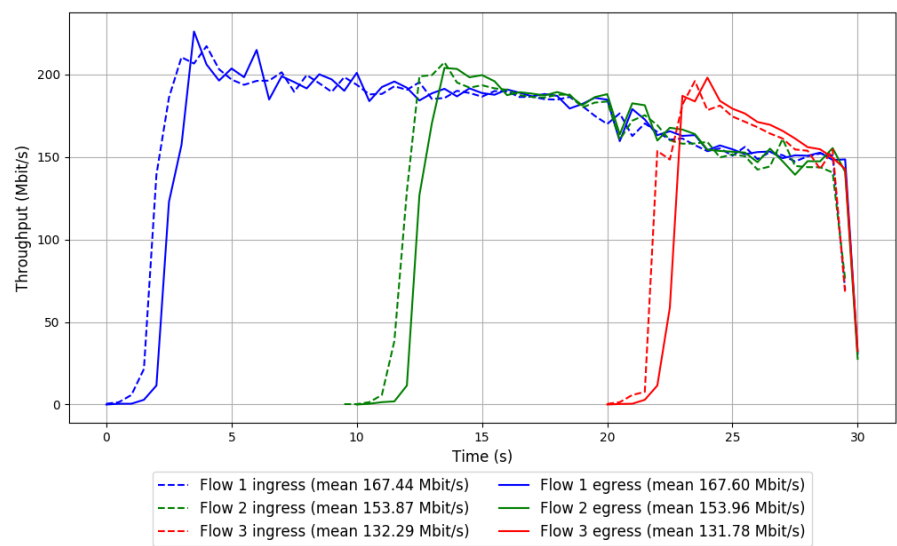


Run 10: Statistics of Indigo

Start at: 2018-08-12 00:59:27
End at: 2018-08-12 00:59:58
Local clock offset: -0.09 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.66 Mbit/s
95th percentile per-packet one-way delay: 138.313 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 167.60 Mbit/s
95th percentile per-packet one-way delay: 137.772 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 153.96 Mbit/s
95th percentile per-packet one-way delay: 144.628 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 131.78 Mbit/s
95th percentile per-packet one-way delay: 137.754 ms
Loss rate: 3.17%

Run 10: Report of Indigo — Data Link

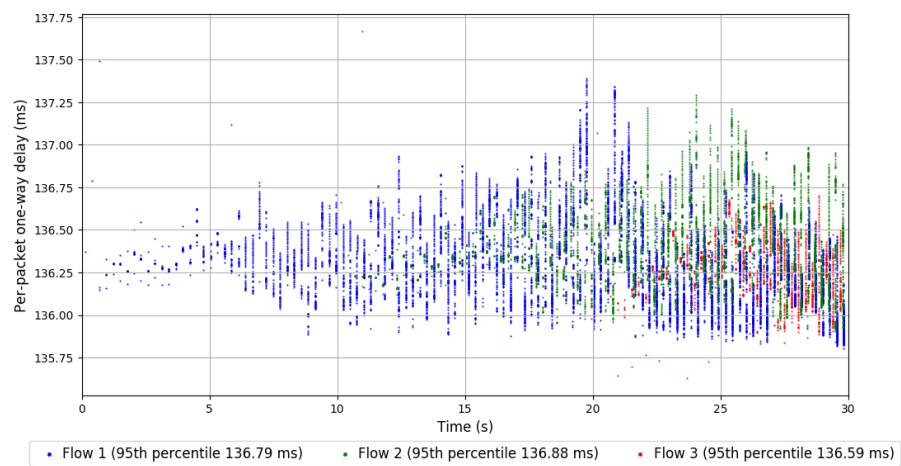
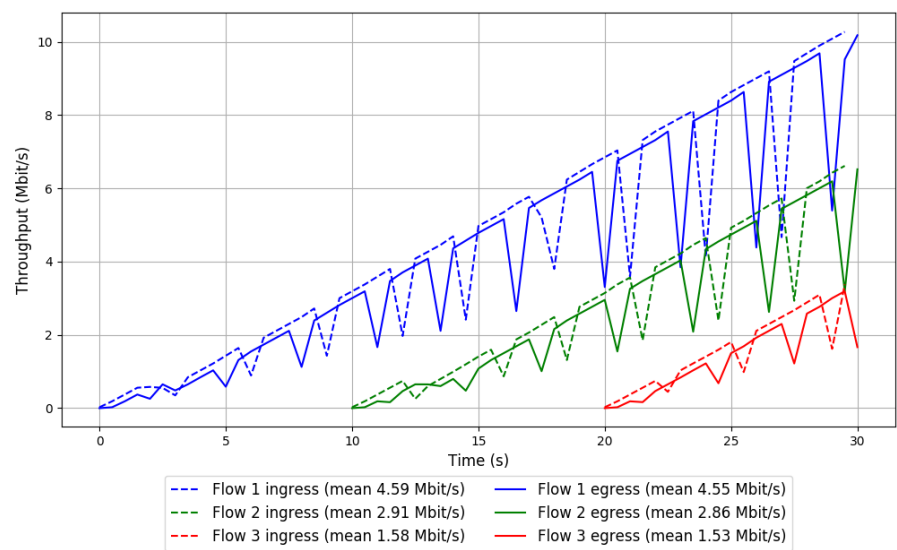


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-11 20:53:03
End at: 2018-08-11 20:53:33
Local clock offset: 0.079 ms
Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2018-08-12 03:22:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 136.818 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 136.795 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 136.882 ms
Loss rate: 2.88%
-- Flow 3:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 136.588 ms
Loss rate: 5.54%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-11 21:20:41

End at: 2018-08-11 21:21:11

Local clock offset: 0.115 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-08-12 03:22:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.83 Mbit/s

95th percentile per-packet one-way delay: 136.637 ms

Loss rate: 3.57%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 136.685 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 136.712 ms

Loss rate: 0.94%

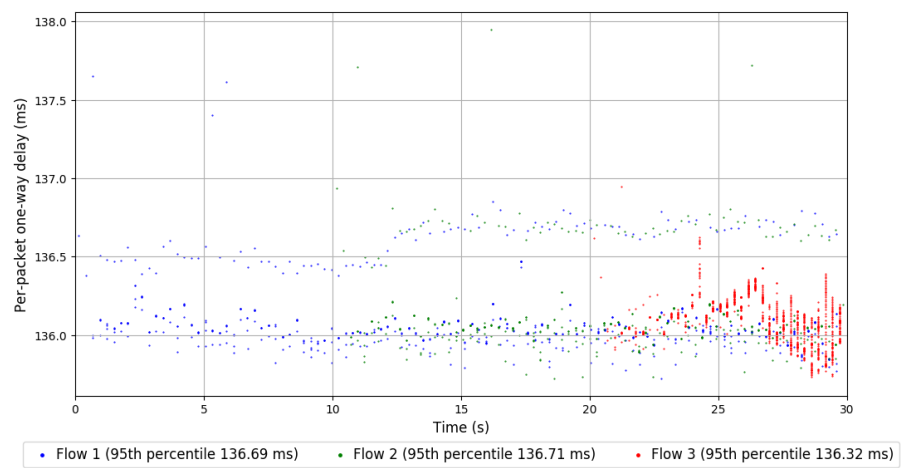
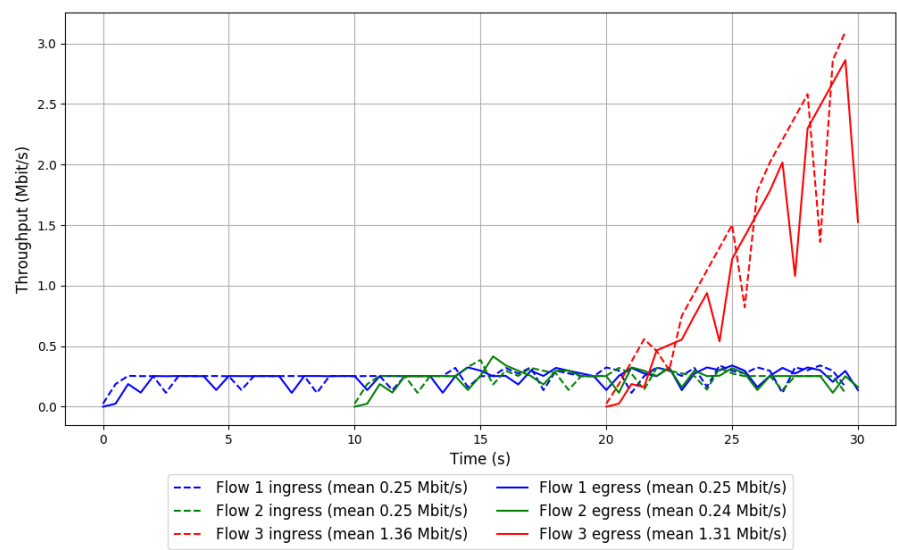
-- Flow 3:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 136.318 ms

Loss rate: 5.90%

Run 2: Report of LEDBAT — Data Link

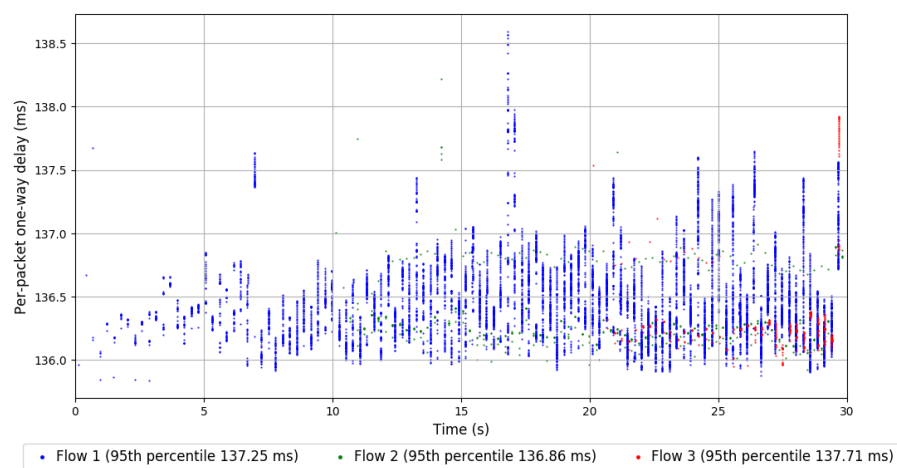
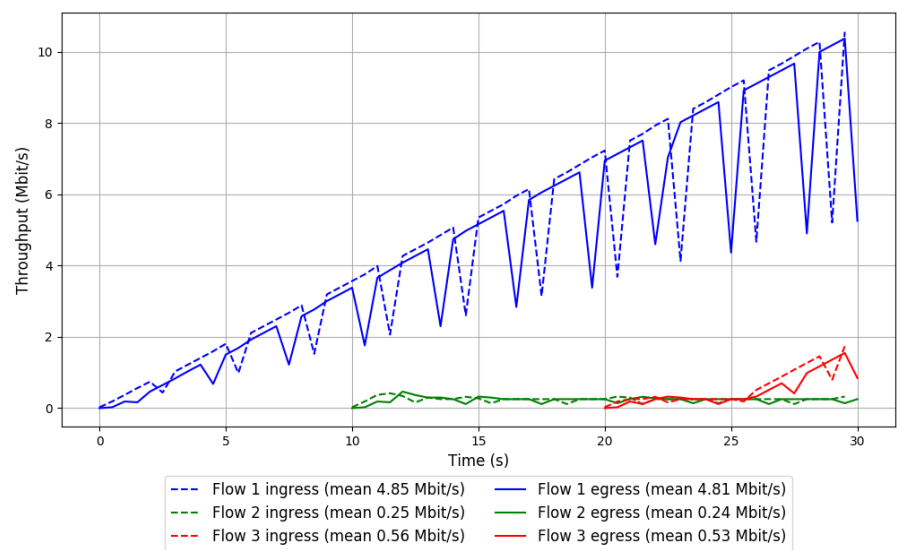


Run 3: Statistics of LEDBAT

Start at: 2018-08-11 21:48:42
End at: 2018-08-11 21:49:12
Local clock offset: -0.19 ms
Remote clock offset: -0.562 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.11 Mbit/s
95th percentile per-packet one-way delay: 137.252 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 137.254 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 136.861 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 137.705 ms
Loss rate: 8.05%

Run 3: Report of LEDBAT — Data Link

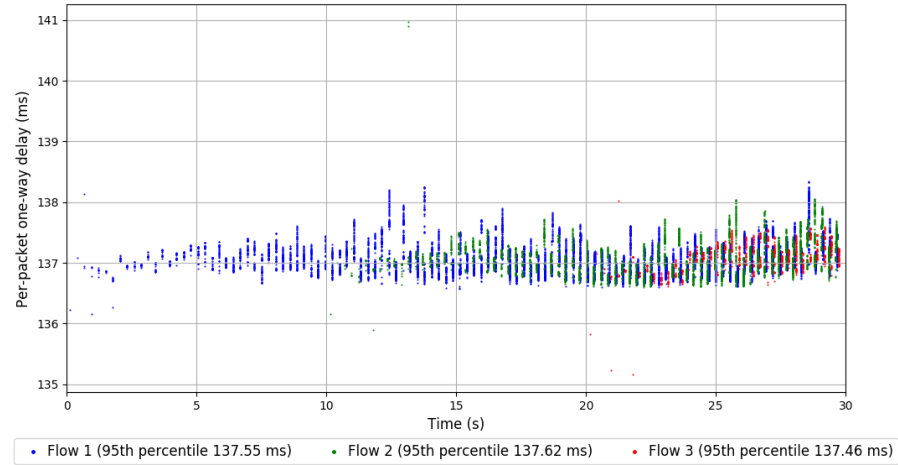
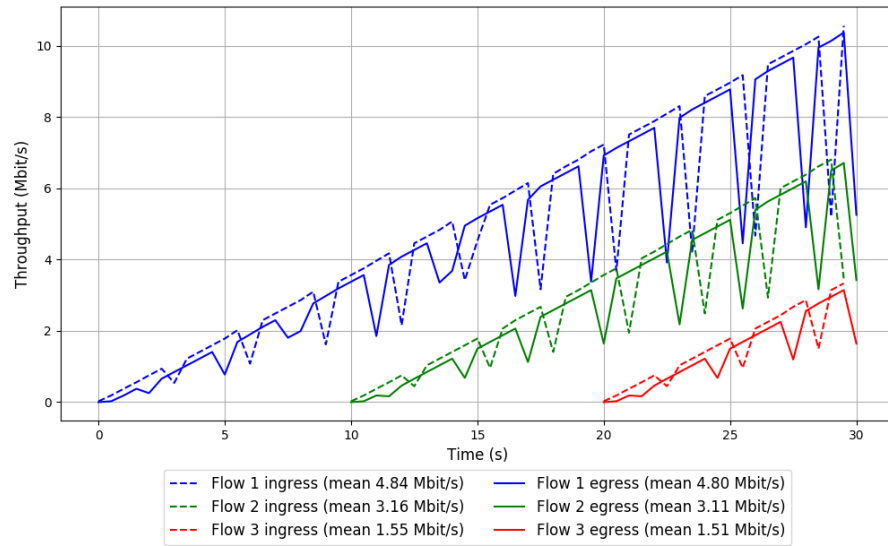


Run 4: Statistics of LEDBAT

Start at: 2018-08-11 22:16:31
End at: 2018-08-11 22:17:01
Local clock offset: -0.017 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 137.561 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 137.550 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 137.622 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 137.460 ms
Loss rate: 5.52%

Run 4: Report of LEDBAT — Data Link

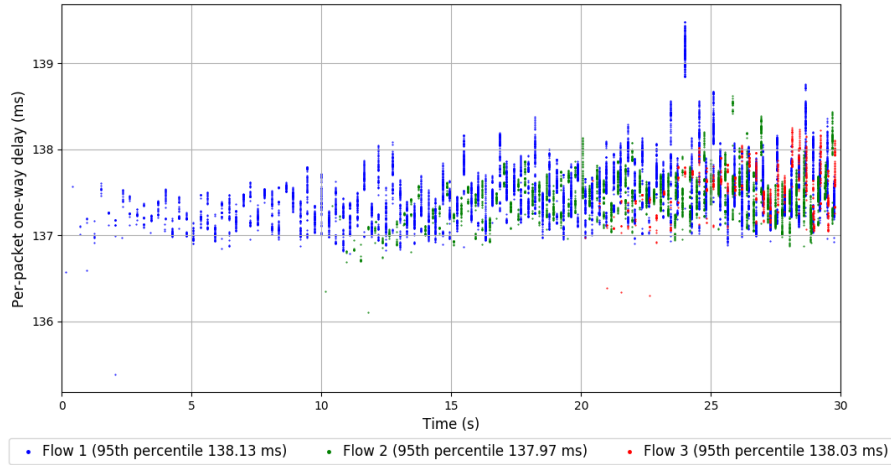
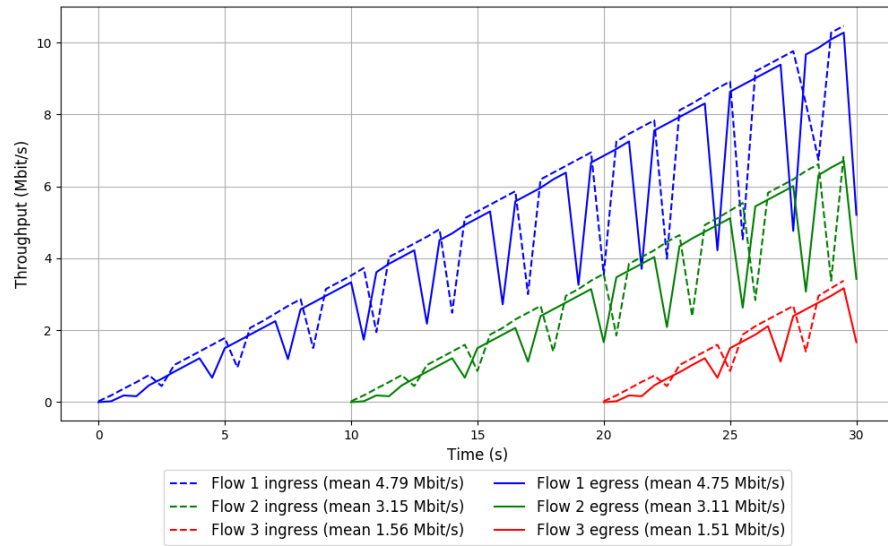


Run 5: Statistics of LEDBAT

Start at: 2018-08-11 22:44:22
End at: 2018-08-11 22:44:52
Local clock offset: -0.118 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 138.095 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 138.133 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 137.968 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 138.026 ms
Loss rate: 5.56%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-11 23:12:01

End at: 2018-08-11 23:12:31

Local clock offset: -0.137 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-08-12 03:22:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 136.135 ms

Loss rate: 3.37%

-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 136.041 ms

Loss rate: 3.94%

-- Flow 2:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 136.169 ms

Loss rate: 2.74%

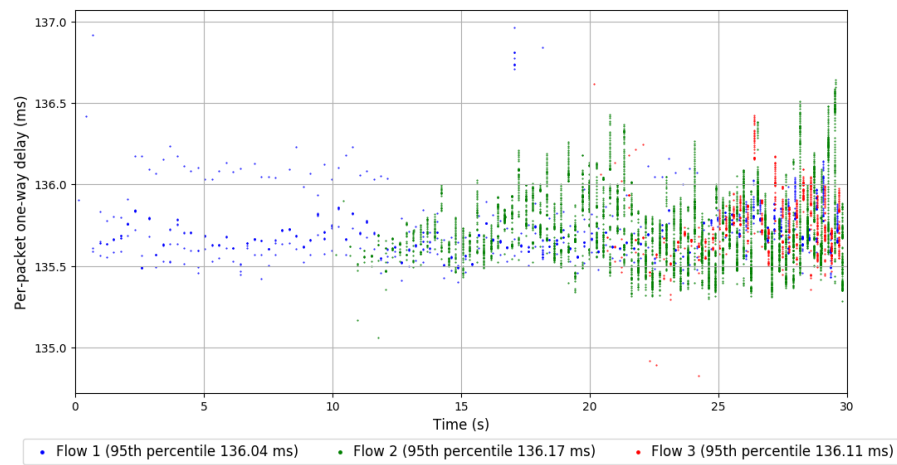
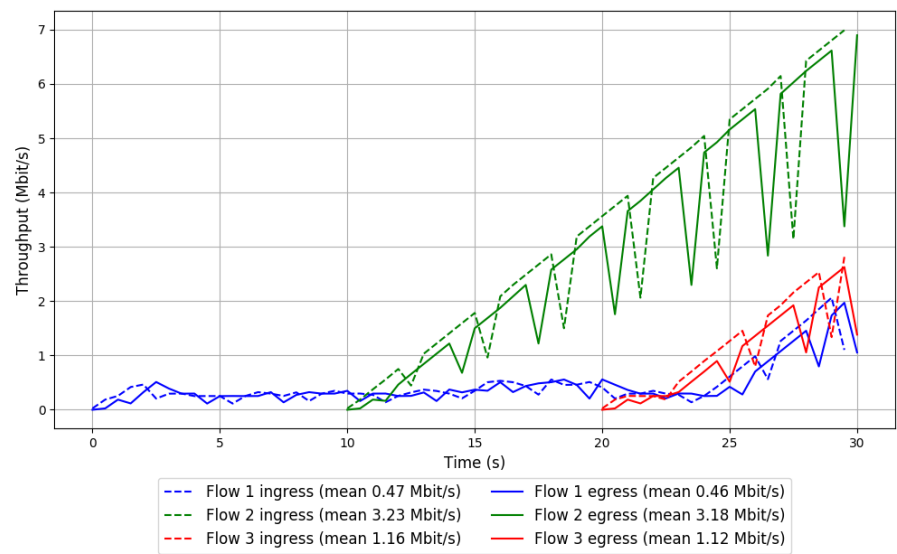
-- Flow 3:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 136.111 ms

Loss rate: 6.30%

Run 6: Report of LEDBAT — Data Link

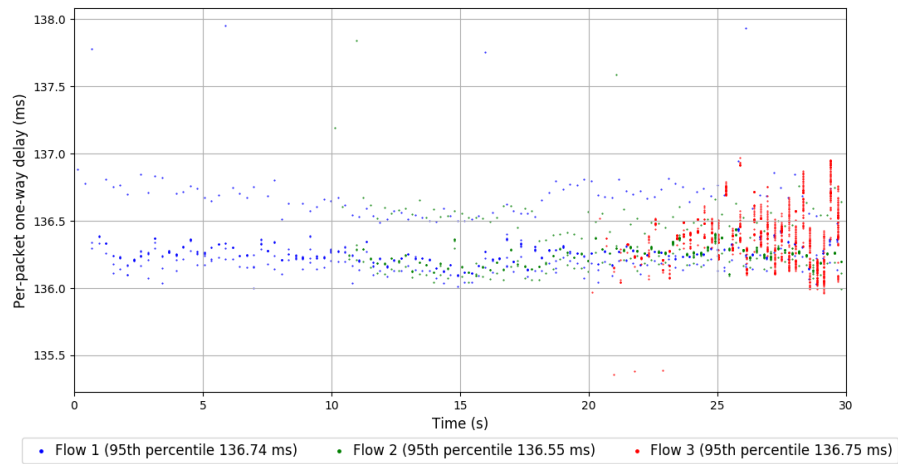
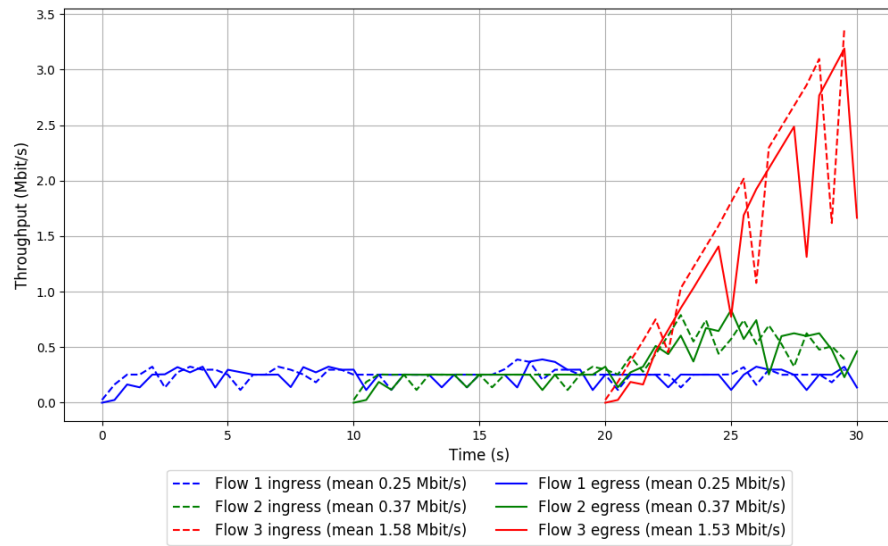


Run 7: Statistics of LEDBAT

Start at: 2018-08-11 23:40:15
End at: 2018-08-11 23:40:45
Local clock offset: 0.276 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 136.727 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 136.737 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.547 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 136.755 ms
Loss rate: 5.54%

Run 7: Report of LEDBAT — Data Link

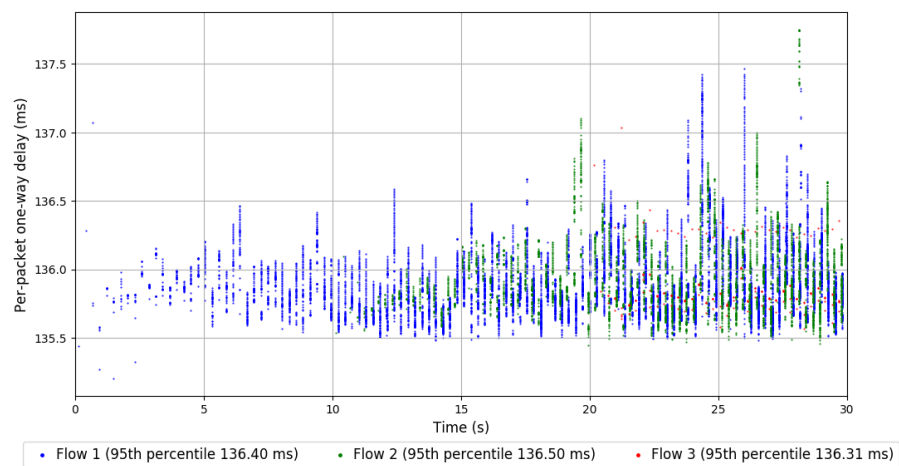
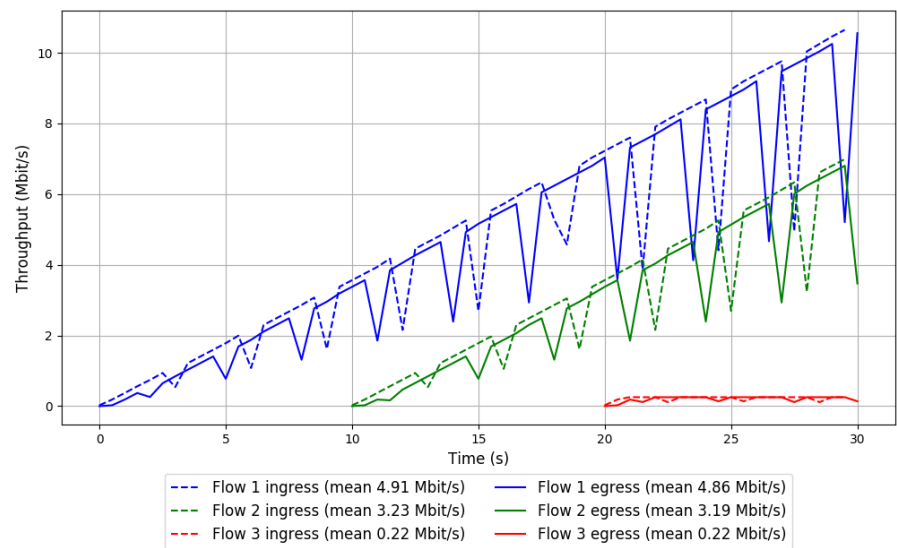


Run 8: Statistics of LEDBAT

Start at: 2018-08-12 00:08:41
End at: 2018-08-12 00:09:11
Local clock offset: -0.108 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 136.431 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 136.402 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 136.502 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.305 ms
Loss rate: 2.63%

Run 8: Report of LEDBAT — Data Link

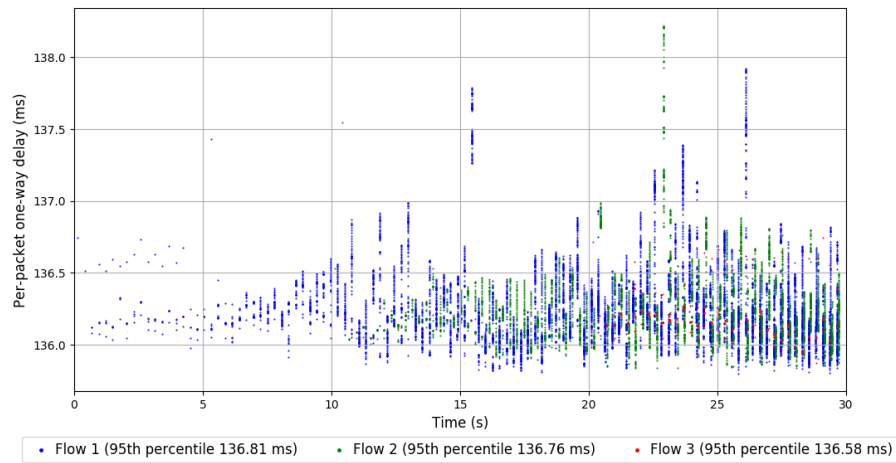
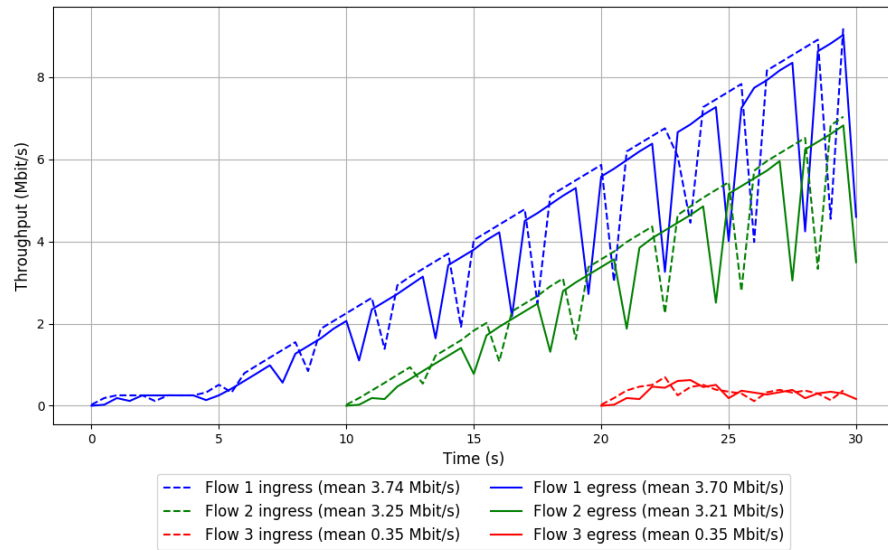


Run 9: Statistics of LEDBAT

Start at: 2018-08-12 00:36:49
End at: 2018-08-12 00:37:19
Local clock offset: 0.066 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-12 03:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 136.781 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 136.806 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 136.758 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.578 ms
Loss rate: 3.09%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-12 01:04:59

End at: 2018-08-12 01:05:29

Local clock offset: -0.151 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-08-12 03:22:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 137.269 ms

Loss rate: 2.35%

-- Flow 1:

Average throughput: 4.79 Mbit/s

95th percentile per-packet one-way delay: 137.269 ms

Loss rate: 1.84%

-- Flow 2:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 137.310 ms

Loss rate: 2.74%

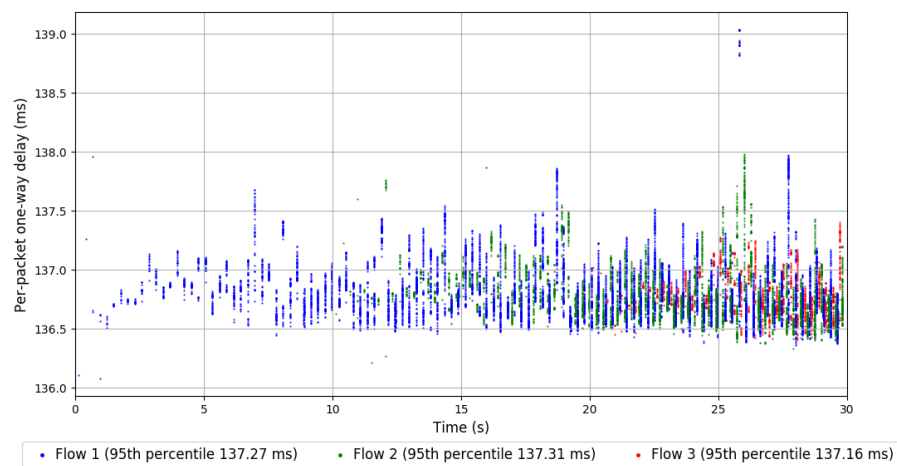
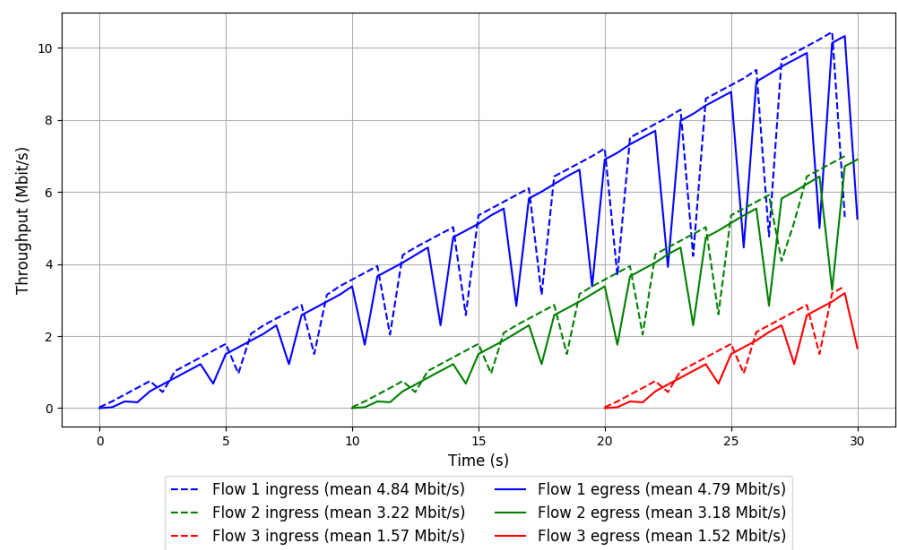
-- Flow 3:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 137.159 ms

Loss rate: 5.55%

Run 10: Report of LEDBAT — Data Link

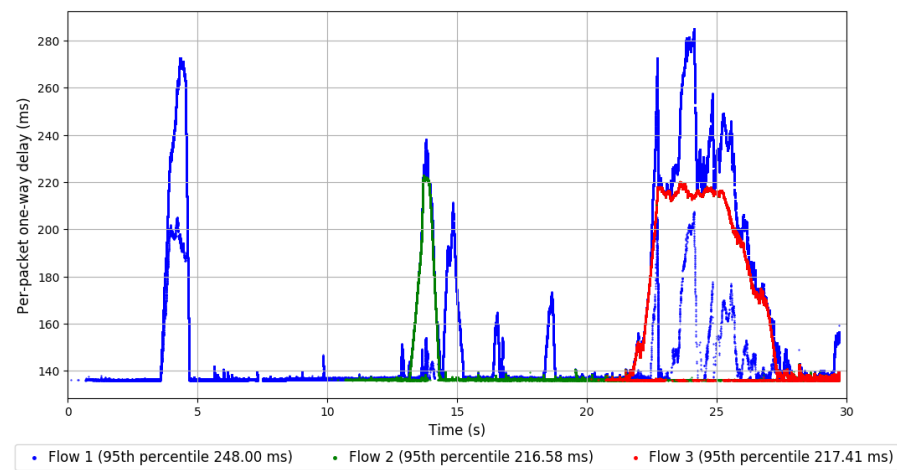
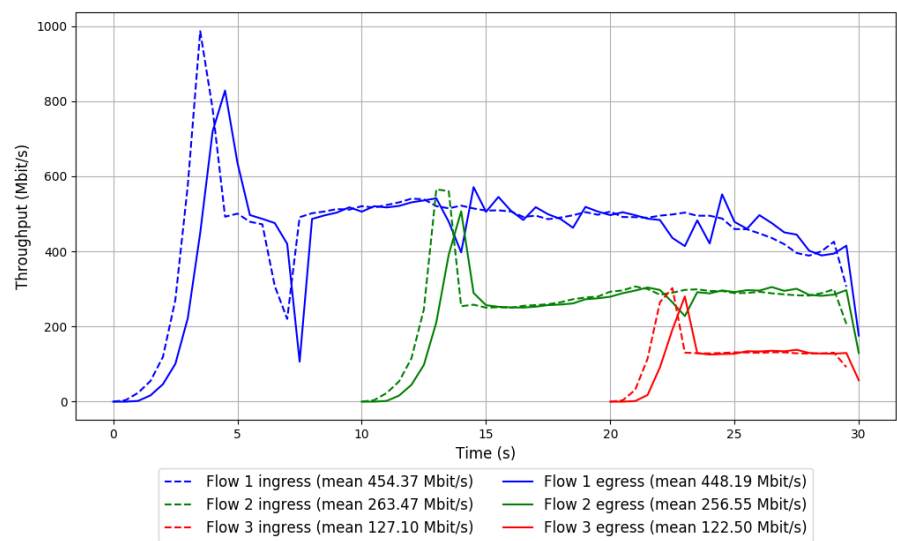


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-11 21:10:45
End at: 2018-08-11 21:11:15
Local clock offset: 0.234 ms
Remote clock offset: -0.559 ms

Below is generated by plot.py at 2018-08-12 03:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 657.45 Mbit/s
95th percentile per-packet one-way delay: 236.707 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 448.19 Mbit/s
95th percentile per-packet one-way delay: 248.001 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 256.55 Mbit/s
95th percentile per-packet one-way delay: 216.578 ms
Loss rate: 3.97%
-- Flow 3:
Average throughput: 122.50 Mbit/s
95th percentile per-packet one-way delay: 217.411 ms
Loss rate: 6.30%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-11 21:38:36

End at: 2018-08-11 21:39:06

Local clock offset: 0.124 ms

Remote clock offset: 0.138 ms

Below is generated by plot.py at 2018-08-12 03:27:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 666.62 Mbit/s

95th percentile per-packet one-way delay: 297.320 ms

Loss rate: 5.48%

-- Flow 1:

Average throughput: 471.23 Mbit/s

95th percentile per-packet one-way delay: 317.673 ms

Loss rate: 5.76%

-- Flow 2:

Average throughput: 236.10 Mbit/s

95th percentile per-packet one-way delay: 214.765 ms

Loss rate: 4.31%

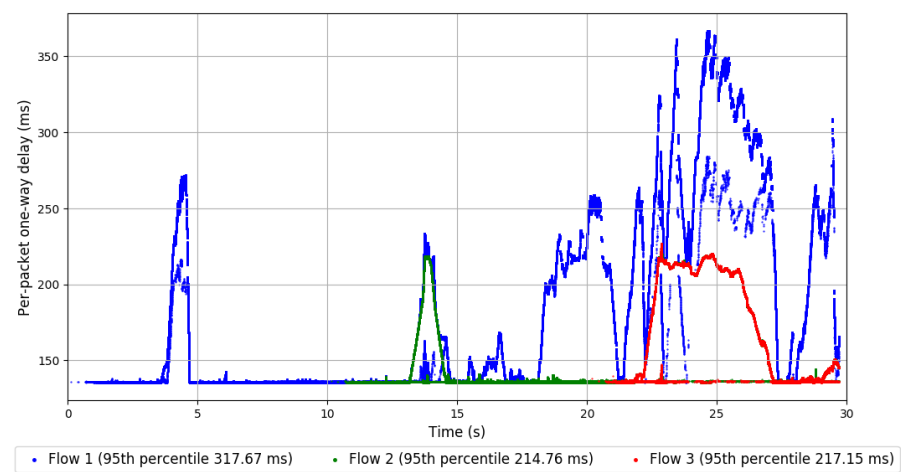
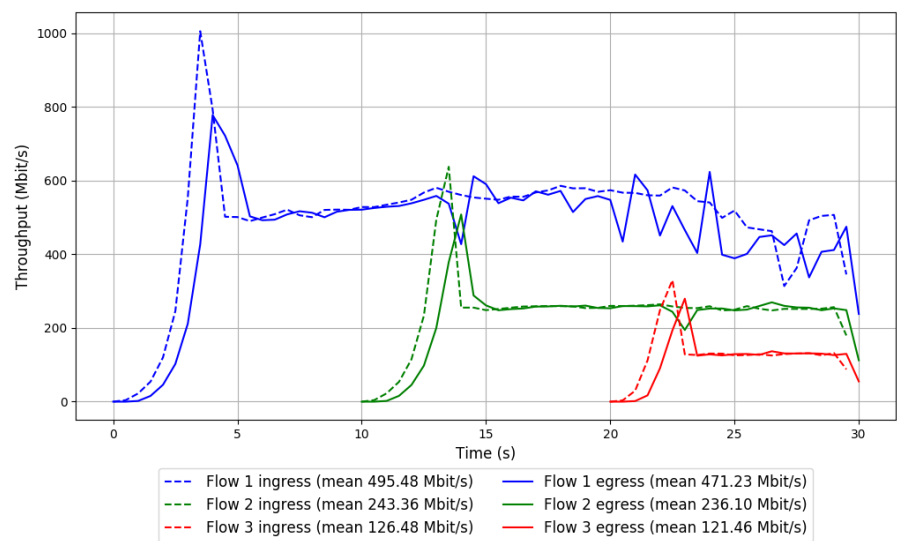
-- Flow 3:

Average throughput: 121.46 Mbit/s

95th percentile per-packet one-way delay: 217.147 ms

Loss rate: 6.66%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-11 22:06:33

End at: 2018-08-11 22:07:03

Local clock offset: -0.269 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-08-12 03:27:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 613.80 Mbit/s

95th percentile per-packet one-way delay: 284.151 ms

Loss rate: 12.89%

-- Flow 1:

Average throughput: 600.01 Mbit/s

95th percentile per-packet one-way delay: 284.689 ms

Loss rate: 13.08%

-- Flow 2:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 218.133 ms

Loss rate: 2.19%

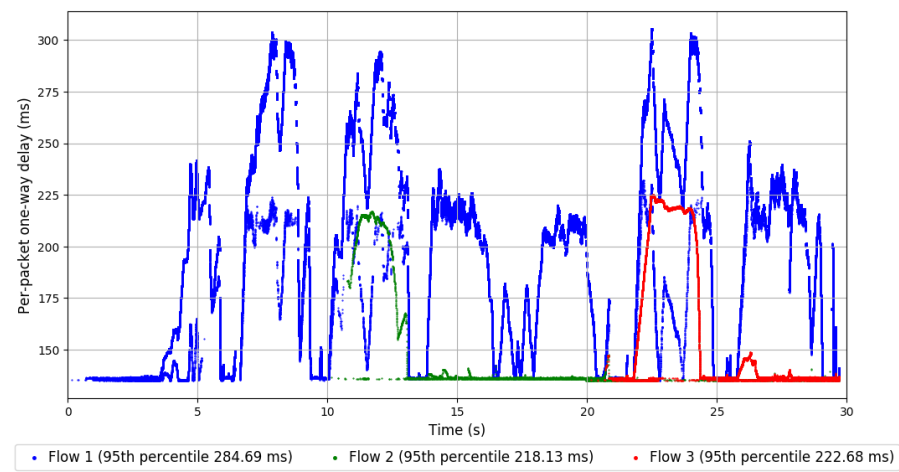
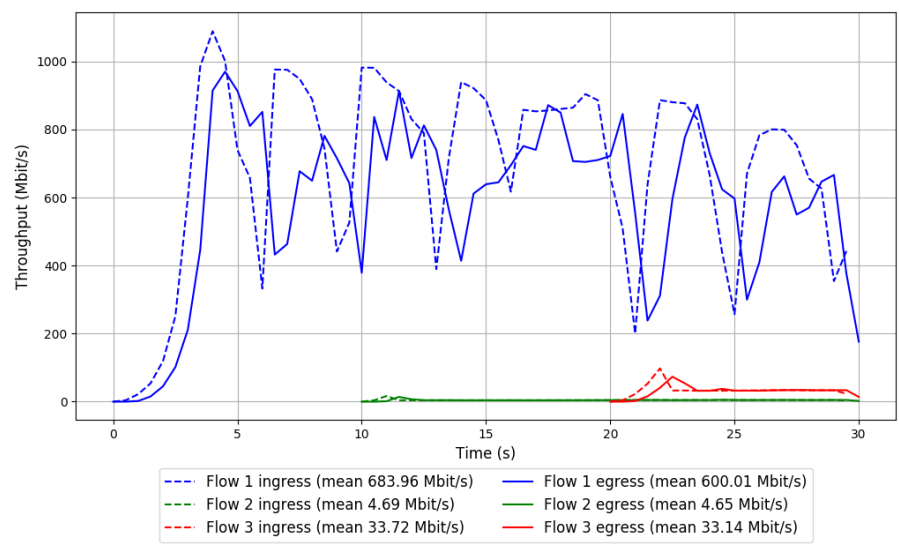
-- Flow 3:

Average throughput: 33.14 Mbit/s

95th percentile per-packet one-way delay: 222.677 ms

Loss rate: 4.44%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-11 22:34:27

End at: 2018-08-11 22:34:57

Local clock offset: -0.164 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-08-12 03:28:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 672.17 Mbit/s

95th percentile per-packet one-way delay: 269.352 ms

Loss rate: 4.75%

-- Flow 1:

Average throughput: 477.81 Mbit/s

95th percentile per-packet one-way delay: 273.526 ms

Loss rate: 4.40%

-- Flow 2:

Average throughput: 236.24 Mbit/s

95th percentile per-packet one-way delay: 219.214 ms

Loss rate: 5.16%

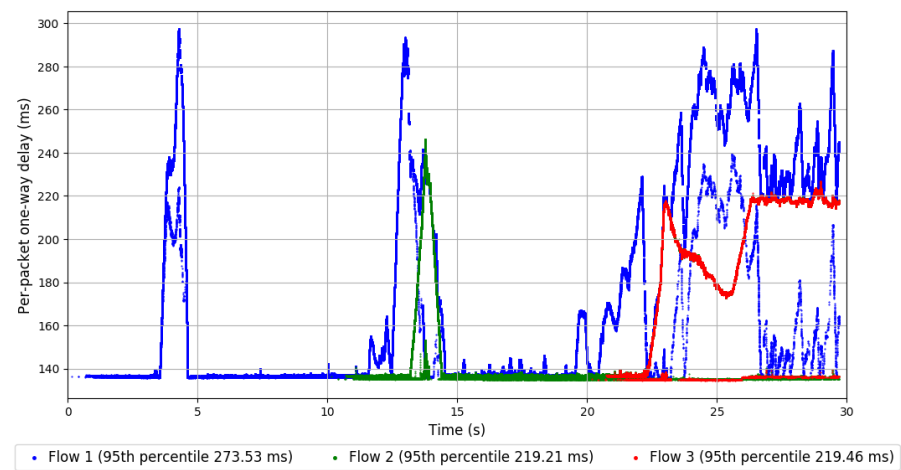
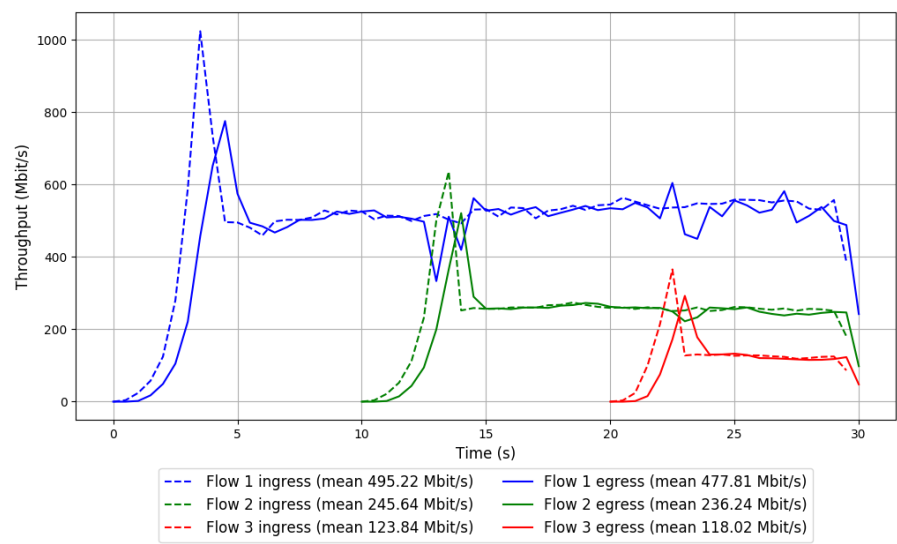
-- Flow 3:

Average throughput: 118.02 Mbit/s

95th percentile per-packet one-way delay: 219.457 ms

Loss rate: 7.35%

Run 4: Report of PCC-Allegro — Data Link

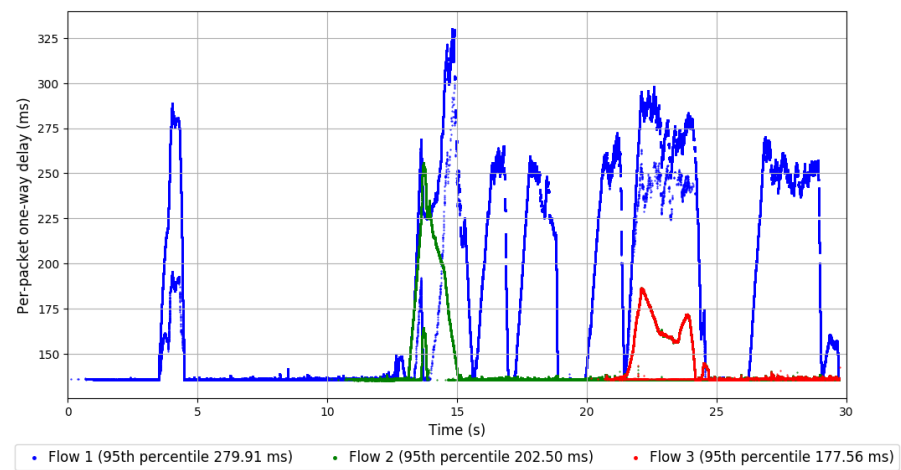
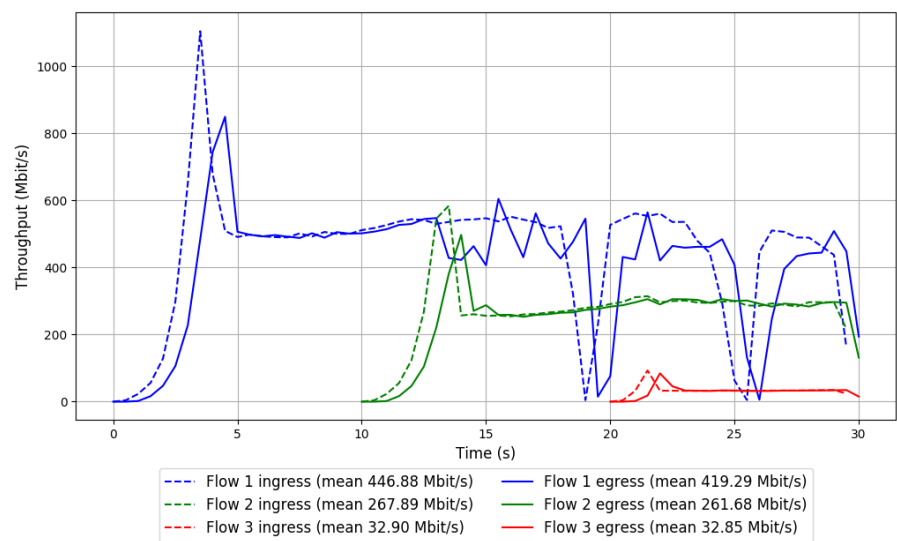


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-11 23:02:11
End at: 2018-08-11 23:02:41
Local clock offset: -0.092 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-12 03:32:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 602.89 Mbit/s
95th percentile per-packet one-way delay: 275.441 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 419.29 Mbit/s
95th percentile per-packet one-way delay: 279.909 ms
Loss rate: 7.02%
-- Flow 2:
Average throughput: 261.68 Mbit/s
95th percentile per-packet one-way delay: 202.496 ms
Loss rate: 3.66%
-- Flow 3:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 177.564 ms
Loss rate: 2.86%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-11 23:29:49

End at: 2018-08-11 23:30:19

Local clock offset: 0.208 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-08-12 03:34:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 649.71 Mbit/s

95th percentile per-packet one-way delay: 255.889 ms

Loss rate: 4.06%

-- Flow 1:

Average throughput: 436.10 Mbit/s

95th percentile per-packet one-way delay: 270.926 ms

Loss rate: 3.76%

-- Flow 2:

Average throughput: 264.52 Mbit/s

95th percentile per-packet one-way delay: 212.309 ms

Loss rate: 4.25%

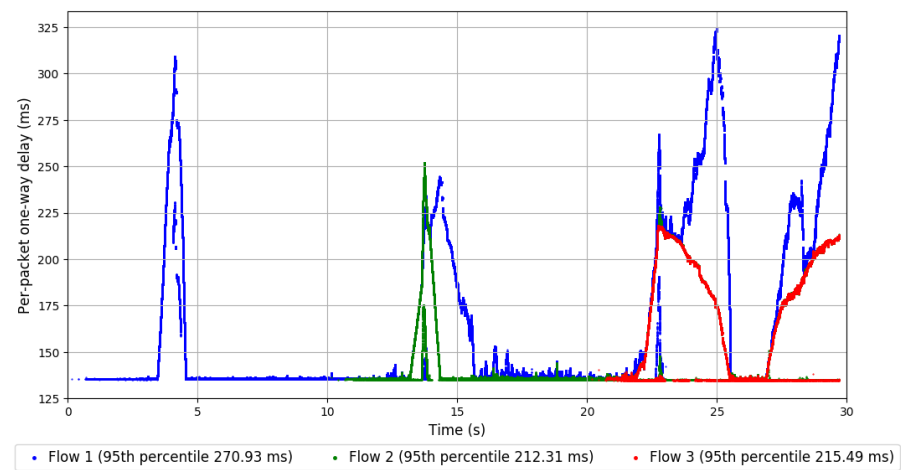
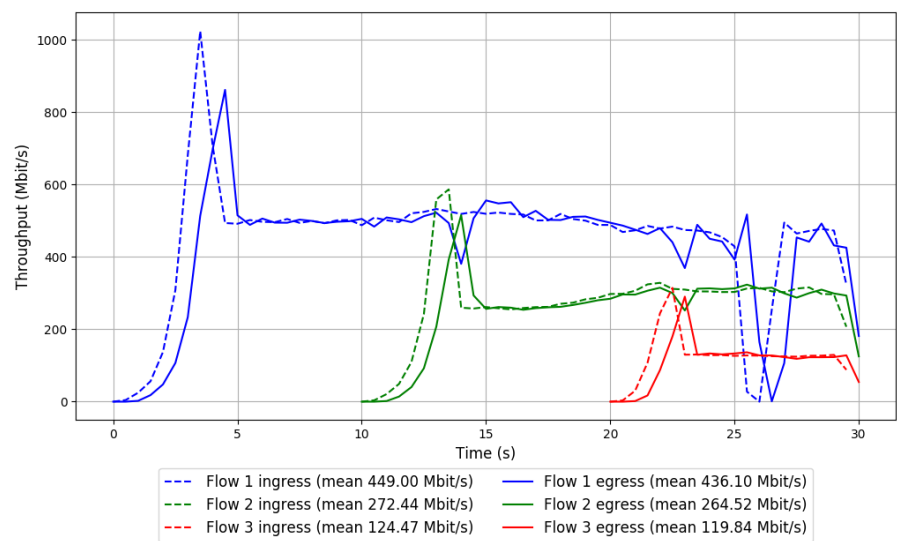
-- Flow 3:

Average throughput: 119.84 Mbit/s

95th percentile per-packet one-way delay: 215.485 ms

Loss rate: 6.45%

Run 6: Report of PCC-Allegro — Data Link

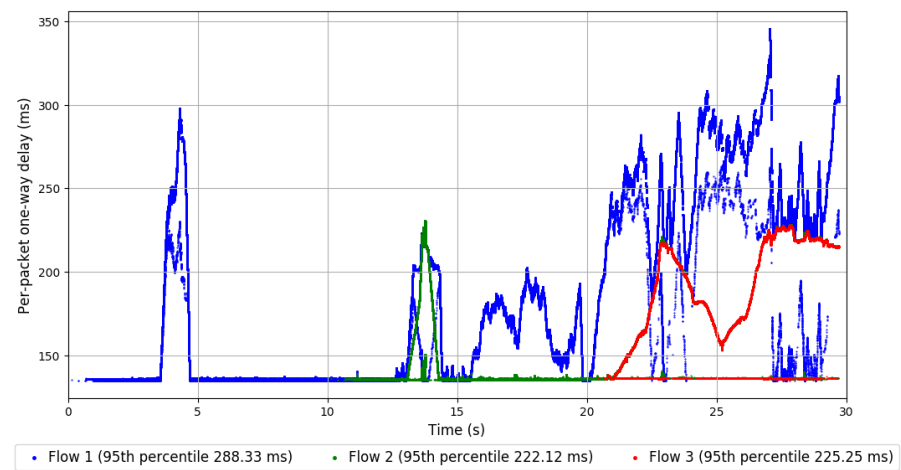
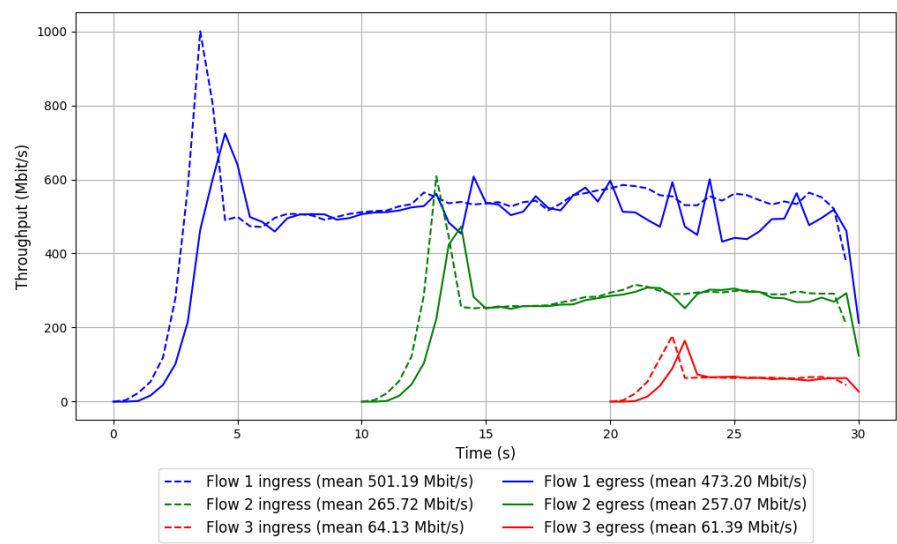


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-11 23:58:14
End at: 2018-08-11 23:58:44
Local clock offset: -0.04 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-12 03:34:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 663.06 Mbit/s
95th percentile per-packet one-way delay: 283.021 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 473.20 Mbit/s
95th percentile per-packet one-way delay: 288.332 ms
Loss rate: 6.45%
-- Flow 2:
Average throughput: 257.07 Mbit/s
95th percentile per-packet one-way delay: 222.115 ms
Loss rate: 4.60%
-- Flow 3:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 225.253 ms
Loss rate: 6.96%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-12 00:26:47

End at: 2018-08-12 00:27:17

Local clock offset: 0.115 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-12 03:34:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 628.30 Mbit/s

95th percentile per-packet one-way delay: 274.285 ms

Loss rate: 8.21%

-- Flow 1:

Average throughput: 428.37 Mbit/s

95th percentile per-packet one-way delay: 289.486 ms

Loss rate: 9.83%

-- Flow 2:

Average throughput: 244.85 Mbit/s

95th percentile per-packet one-way delay: 211.104 ms

Loss rate: 4.23%

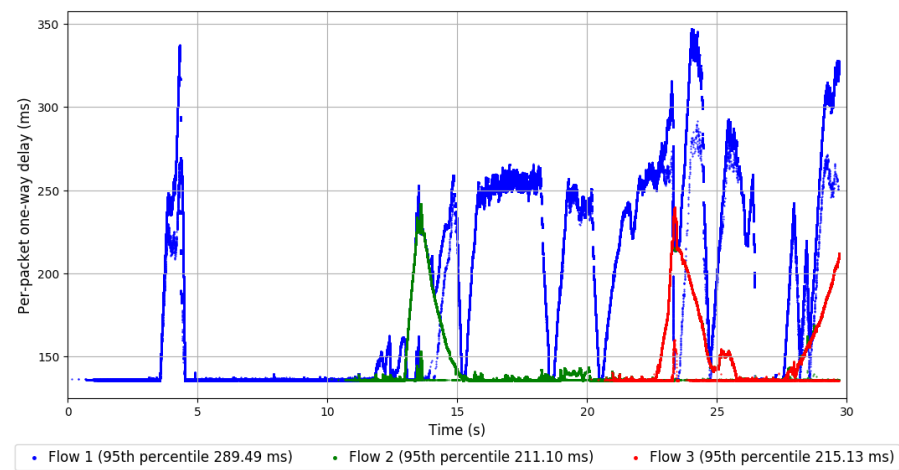
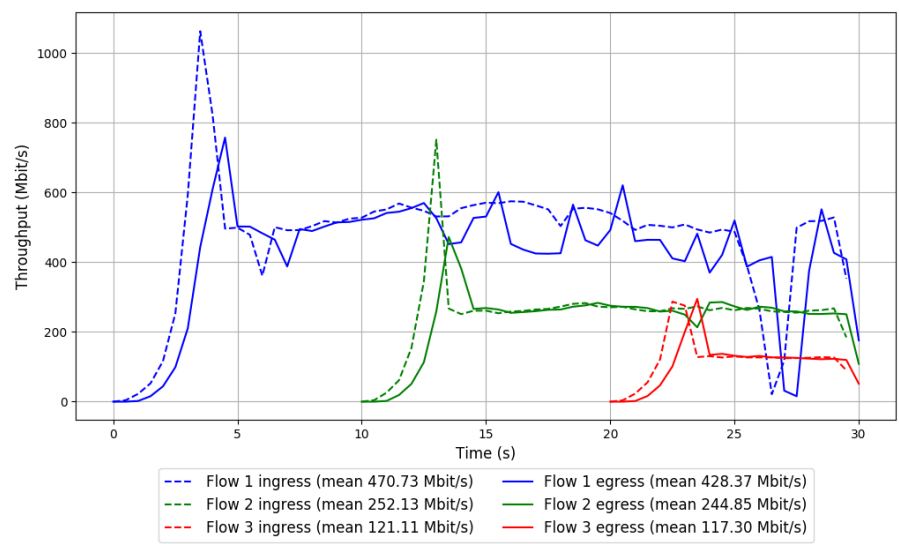
-- Flow 3:

Average throughput: 117.30 Mbit/s

95th percentile per-packet one-way delay: 215.132 ms

Loss rate: 5.84%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-12 00:54:43

End at: 2018-08-12 00:55:13

Local clock offset: 0.017 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-08-12 03:37:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 664.29 Mbit/s

95th percentile per-packet one-way delay: 216.999 ms

Loss rate: 3.10%

-- Flow 1:

Average throughput: 489.25 Mbit/s

95th percentile per-packet one-way delay: 218.956 ms

Loss rate: 2.89%

-- Flow 2:

Average throughput: 260.39 Mbit/s

95th percentile per-packet one-way delay: 178.986 ms

Loss rate: 3.68%

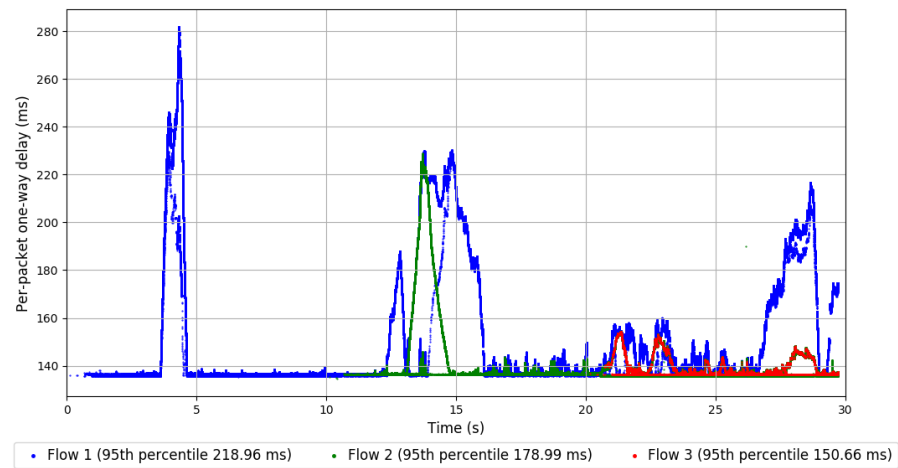
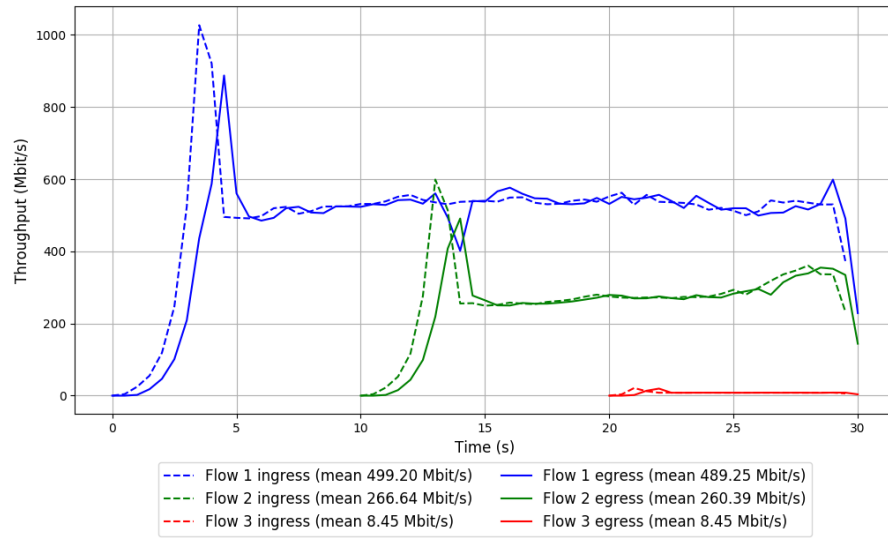
-- Flow 3:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 150.660 ms

Loss rate: 2.81%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-12 01:22:48

End at: 2018-08-12 01:23:18

Local clock offset: -0.26 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-08-12 03:39:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 645.84 Mbit/s

95th percentile per-packet one-way delay: 266.000 ms

Loss rate: 4.67%

-- Flow 1:

Average throughput: 448.97 Mbit/s

95th percentile per-packet one-way delay: 272.632 ms

Loss rate: 4.61%

-- Flow 2:

Average throughput: 240.49 Mbit/s

95th percentile per-packet one-way delay: 219.490 ms

Loss rate: 4.30%

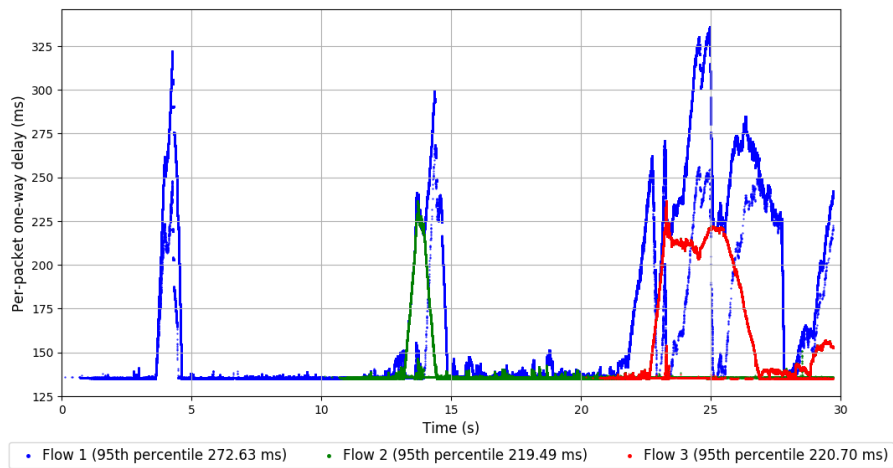
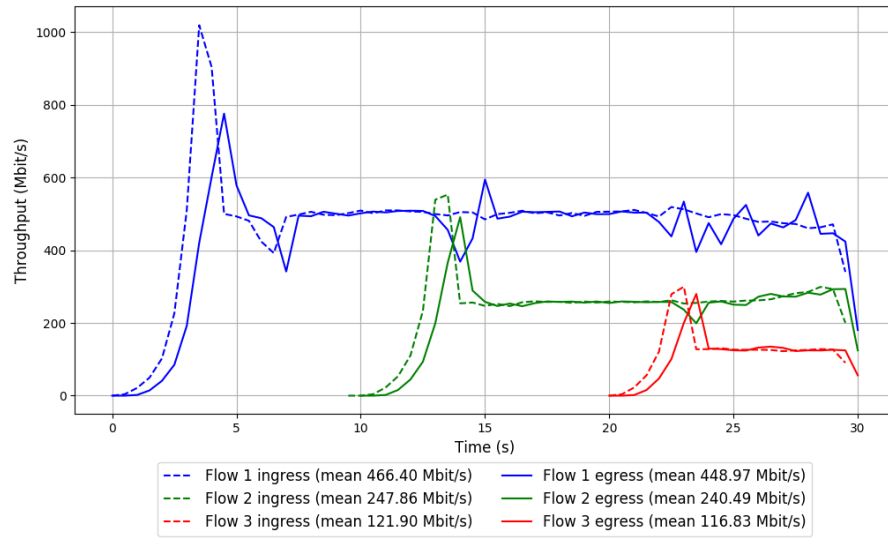
-- Flow 3:

Average throughput: 116.83 Mbit/s

95th percentile per-packet one-way delay: 220.703 ms

Loss rate: 6.84%

Run 10: Report of PCC-Allegro — Data Link

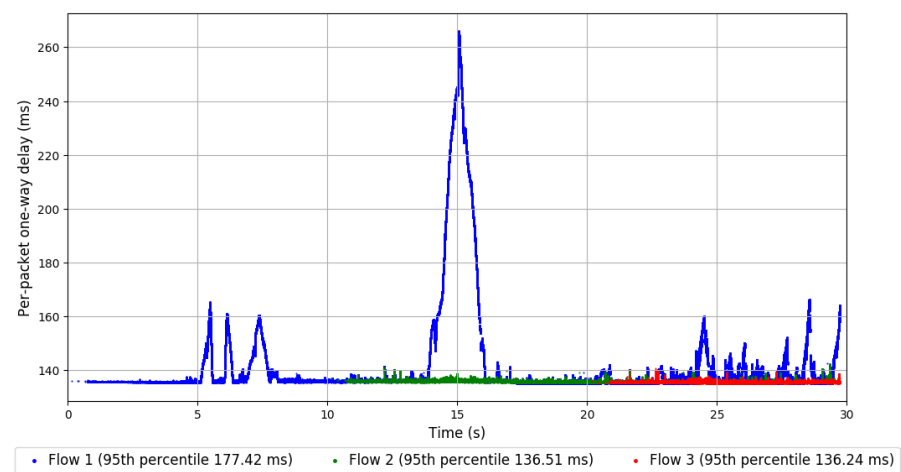
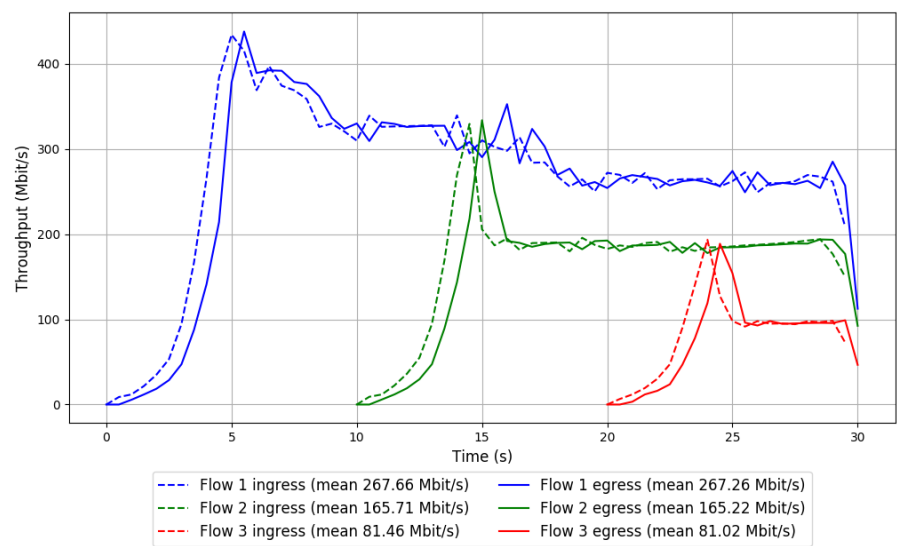


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-11 20:57:16
End at: 2018-08-11 20:57:46
Local clock offset: 0.053 ms
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2018-08-12 03:40:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 402.82 Mbit/s
95th percentile per-packet one-way delay: 159.336 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 267.26 Mbit/s
95th percentile per-packet one-way delay: 177.423 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 165.22 Mbit/s
95th percentile per-packet one-way delay: 136.509 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: 136.242 ms
Loss rate: 3.30%
```


Run 1: Report of PCC-Expr — Data Link

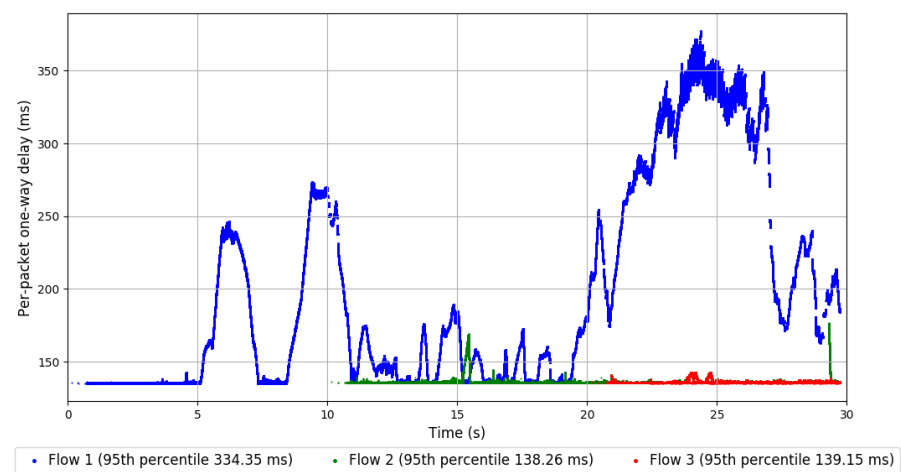
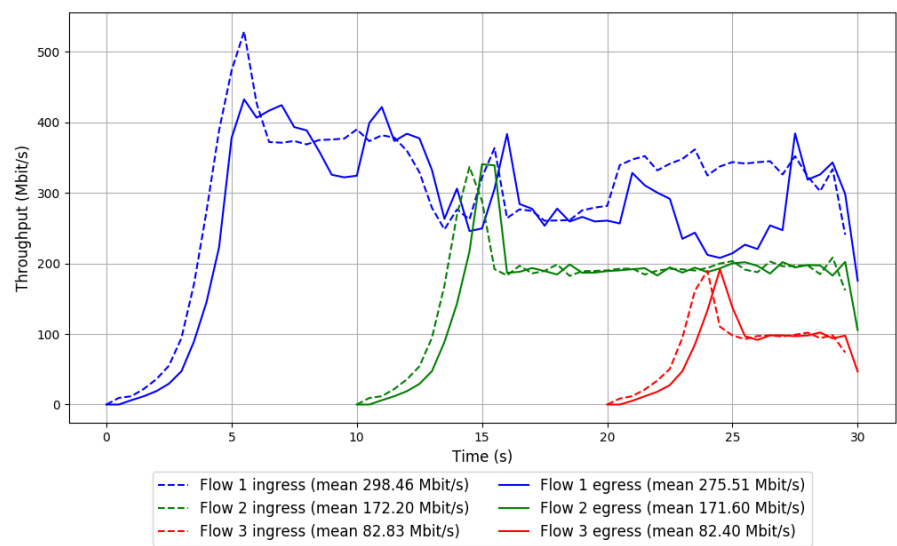


Run 2: Statistics of PCC-Expr

Start at: 2018-08-11 21:24:53
End at: 2018-08-11 21:25:23
Local clock offset: -0.19 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-08-12 03:42:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 415.69 Mbit/s
95th percentile per-packet one-way delay: 324.706 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 275.51 Mbit/s
95th percentile per-packet one-way delay: 334.353 ms
Loss rate: 8.53%
-- Flow 2:
Average throughput: 171.60 Mbit/s
95th percentile per-packet one-way delay: 138.259 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 139.152 ms
Loss rate: 3.28%

Run 2: Report of PCC-Expr — Data Link

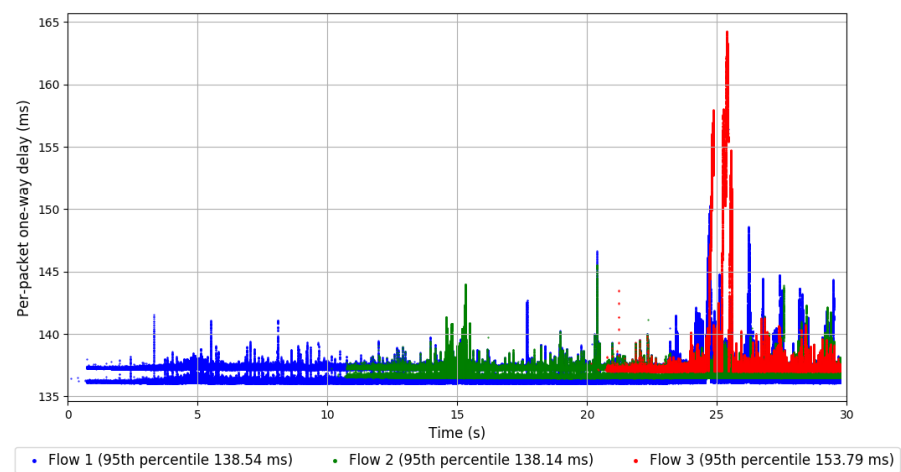
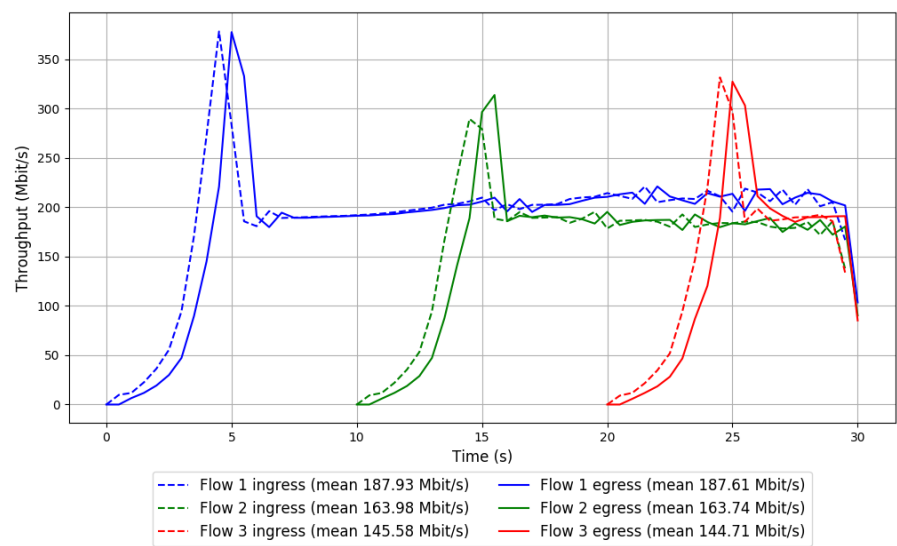


Run 3: Statistics of PCC-Expr

Start at: 2018-08-11 21:53:04
End at: 2018-08-11 21:53:34
Local clock offset: 0.165 ms
Remote clock offset: -0.564 ms

Below is generated by plot.py at 2018-08-12 03:43:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.83 Mbit/s
95th percentile per-packet one-way delay: 139.235 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 187.61 Mbit/s
95th percentile per-packet one-way delay: 138.541 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 163.74 Mbit/s
95th percentile per-packet one-way delay: 138.139 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 144.71 Mbit/s
95th percentile per-packet one-way delay: 153.793 ms
Loss rate: 3.38%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-11 22:20:49

End at: 2018-08-11 22:21:19

Local clock offset: -0.154 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-12 03:48:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 434.91 Mbit/s

95th percentile per-packet one-way delay: 259.712 ms

Loss rate: 3.18%

-- Flow 1:

Average throughput: 308.61 Mbit/s

95th percentile per-packet one-way delay: 261.656 ms

Loss rate: 3.70%

-- Flow 2:

Average throughput: 169.37 Mbit/s

95th percentile per-packet one-way delay: 141.216 ms

Loss rate: 1.69%

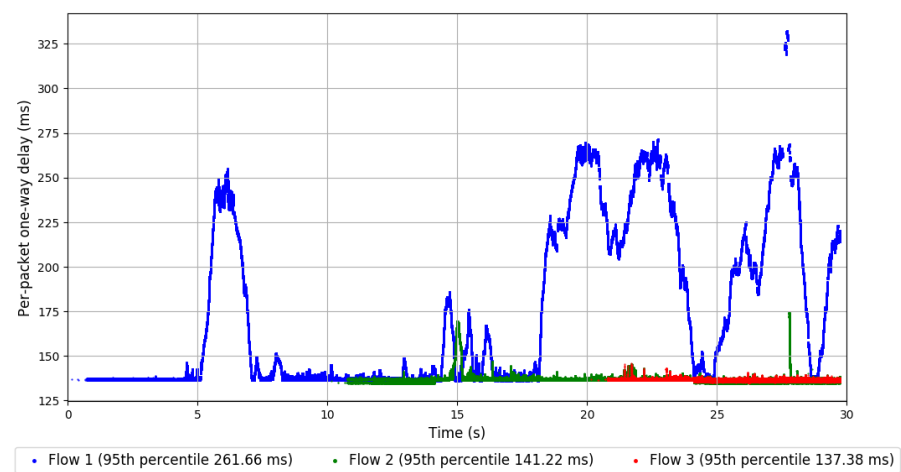
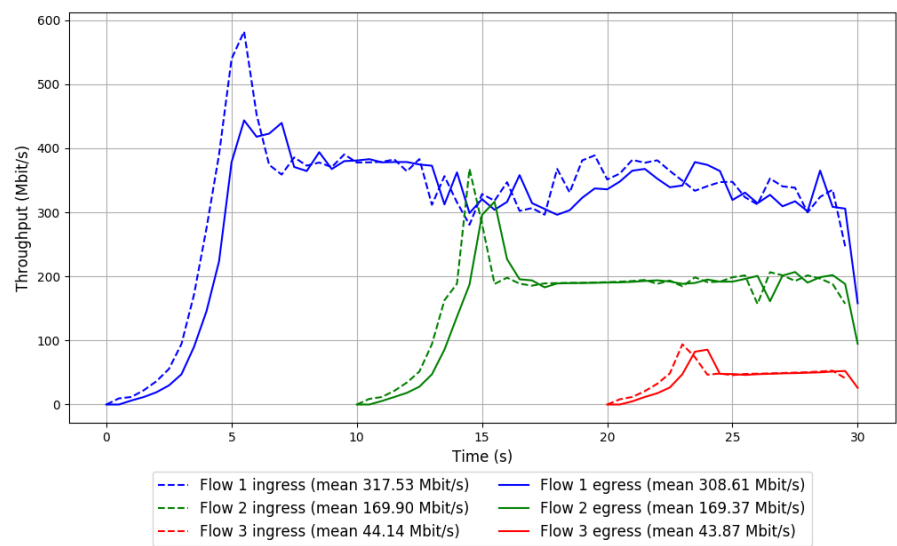
-- Flow 3:

Average throughput: 43.87 Mbit/s

95th percentile per-packet one-way delay: 137.383 ms

Loss rate: 3.40%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-11 22:48:42

End at: 2018-08-11 22:49:12

Local clock offset: -0.111 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-12 03:48:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.71 Mbit/s

95th percentile per-packet one-way delay: 139.265 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 175.34 Mbit/s

95th percentile per-packet one-way delay: 137.608 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 166.32 Mbit/s

95th percentile per-packet one-way delay: 140.459 ms

Loss rate: 1.45%

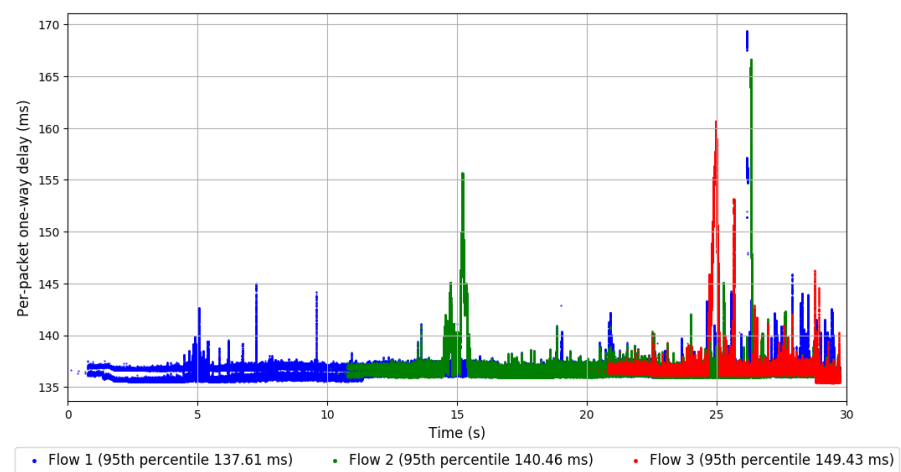
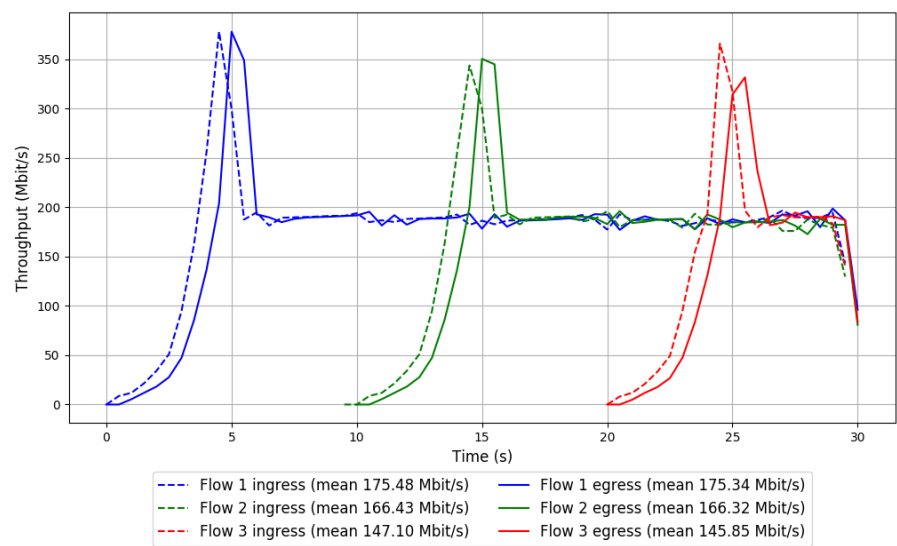
-- Flow 3:

Average throughput: 145.85 Mbit/s

95th percentile per-packet one-way delay: 149.430 ms

Loss rate: 3.62%

Run 5: Report of PCC-Expr — Data Link

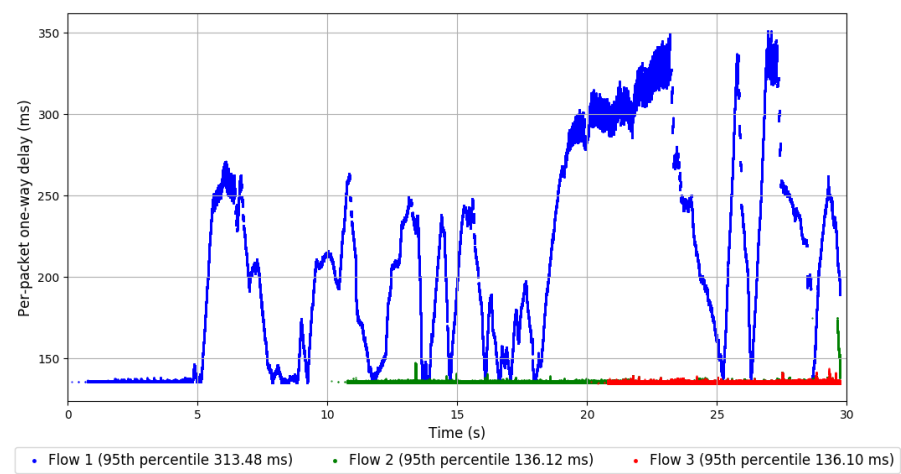
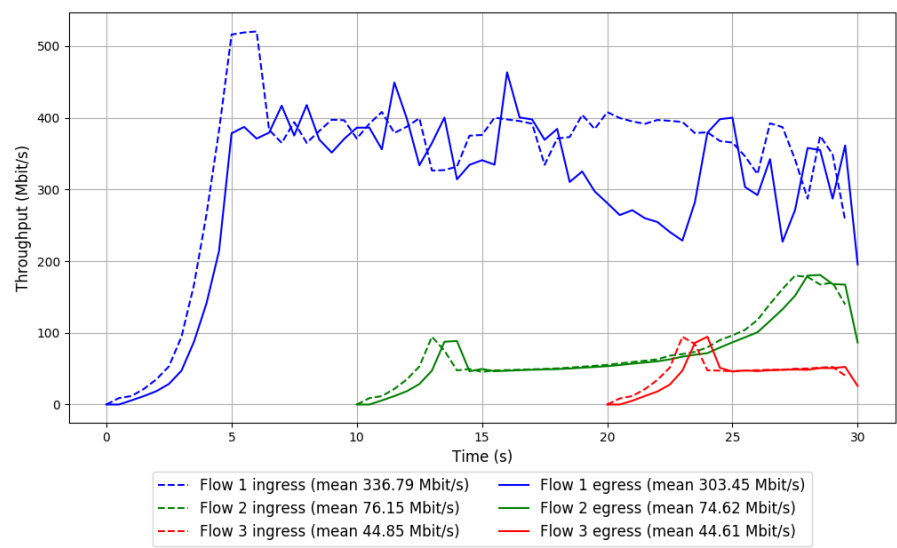


Run 6: Statistics of PCC-Expr

Start at: 2018-08-11 23:16:26
End at: 2018-08-11 23:16:56
Local clock offset: 0.026 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-12 03:48:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.31 Mbit/s
95th percentile per-packet one-way delay: 309.247 ms
Loss rate: 9.52%
-- Flow 1:
Average throughput: 303.45 Mbit/s
95th percentile per-packet one-way delay: 313.476 ms
Loss rate: 10.72%
-- Flow 2:
Average throughput: 74.62 Mbit/s
95th percentile per-packet one-way delay: 136.122 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 44.61 Mbit/s
95th percentile per-packet one-way delay: 136.103 ms
Loss rate: 3.28%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-11 23:44:36

End at: 2018-08-11 23:45:06

Local clock offset: -0.024 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-08-12 03:54:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 461.70 Mbit/s

95th percentile per-packet one-way delay: 315.773 ms

Loss rate: 8.26%

-- Flow 1:

Average throughput: 296.83 Mbit/s

95th percentile per-packet one-way delay: 328.603 ms

Loss rate: 11.39%

-- Flow 2:

Average throughput: 174.89 Mbit/s

95th percentile per-packet one-way delay: 151.763 ms

Loss rate: 1.43%

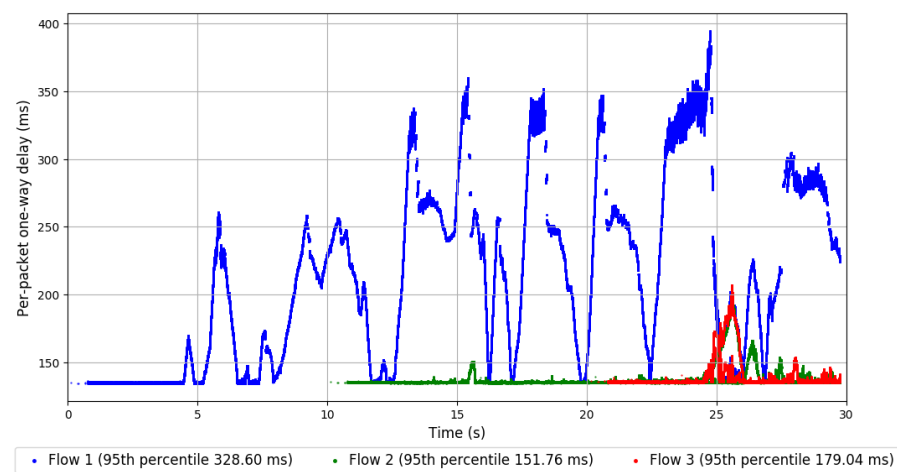
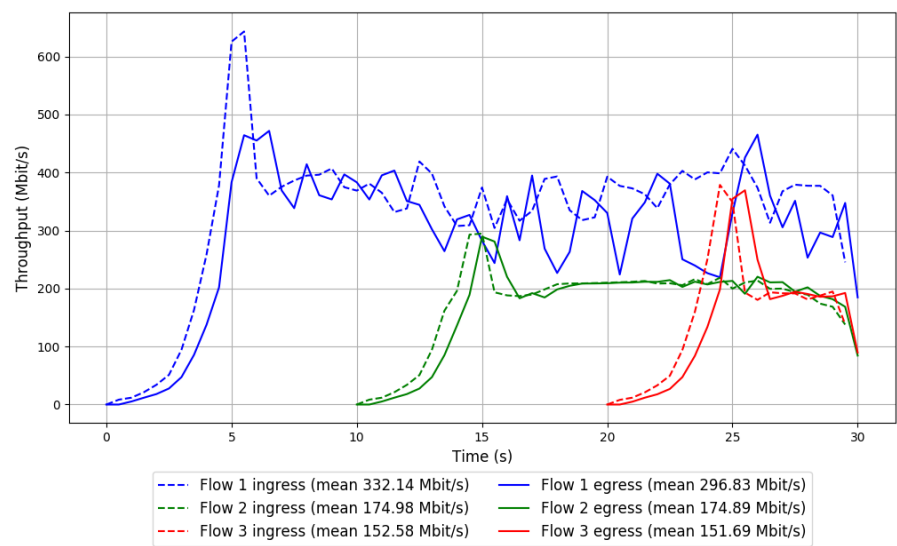
-- Flow 3:

Average throughput: 151.69 Mbit/s

95th percentile per-packet one-way delay: 179.039 ms

Loss rate: 3.36%

Run 7: Report of PCC-Expr — Data Link

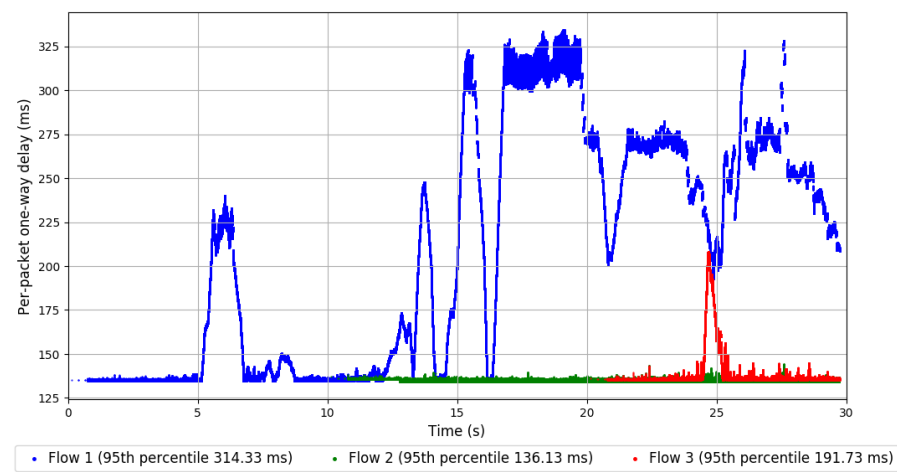
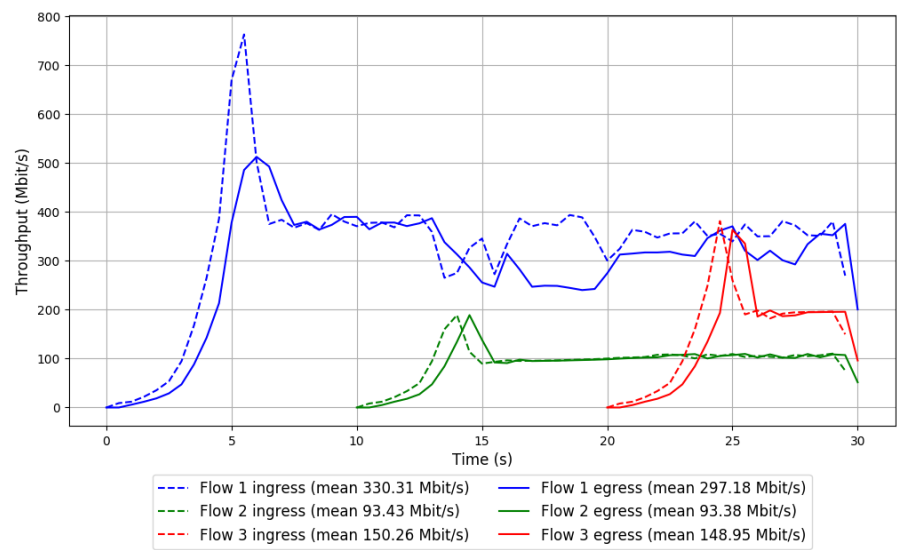


Run 8: Statistics of PCC-Expr

Start at: 2018-08-12 00:13:11
End at: 2018-08-12 00:13:41
Local clock offset: -0.007 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-12 03:54:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.20 Mbit/s
95th percentile per-packet one-way delay: 310.606 ms
Loss rate: 8.72%
-- Flow 1:
Average throughput: 297.18 Mbit/s
95th percentile per-packet one-way delay: 314.334 ms
Loss rate: 10.85%
-- Flow 2:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 136.130 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 148.95 Mbit/s
95th percentile per-packet one-way delay: 191.728 ms
Loss rate: 3.62%

Run 8: Report of PCC-Expr — Data Link

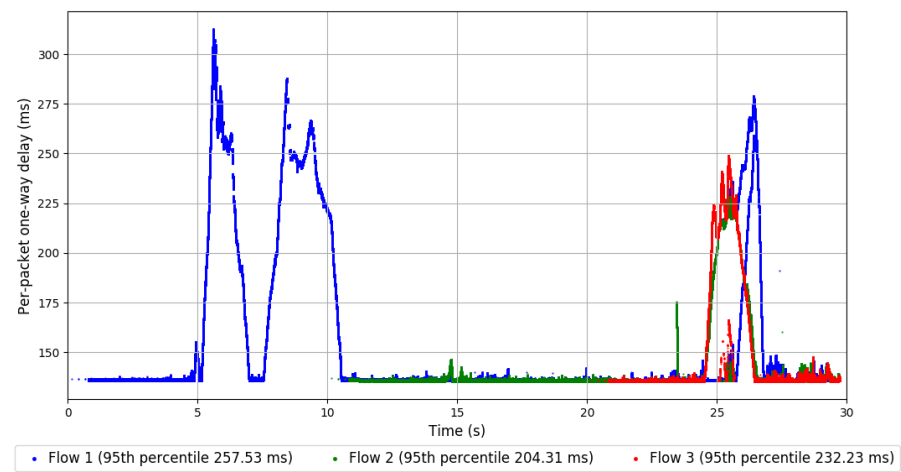
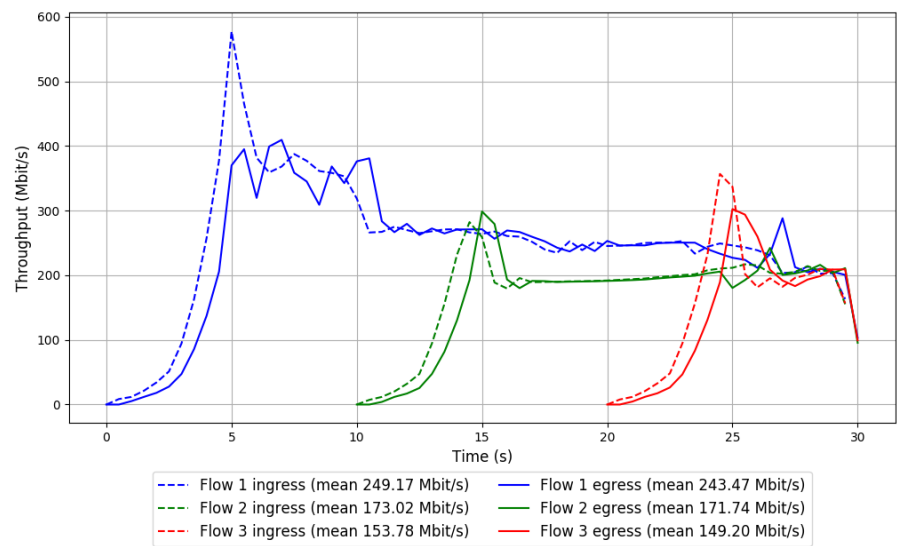


Run 9: Statistics of PCC-Expr

Start at: 2018-08-12 00:41:12
End at: 2018-08-12 00:41:42
Local clock offset: -0.172 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-12 03:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.46 Mbit/s
95th percentile per-packet one-way delay: 249.284 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 243.47 Mbit/s
95th percentile per-packet one-way delay: 257.527 ms
Loss rate: 3.19%
-- Flow 2:
Average throughput: 171.74 Mbit/s
95th percentile per-packet one-way delay: 204.314 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 149.20 Mbit/s
95th percentile per-packet one-way delay: 232.233 ms
Loss rate: 5.67%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-12 01:09:23

End at: 2018-08-12 01:09:53

Local clock offset: -0.297 ms

Remote clock offset: 0.23 ms

Below is generated by plot.py at 2018-08-12 03:59:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 440.81 Mbit/s

95th percentile per-packet one-way delay: 215.938 ms

Loss rate: 1.70%

-- Flow 1:

Average throughput: 282.91 Mbit/s

95th percentile per-packet one-way delay: 218.985 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 165.33 Mbit/s

95th percentile per-packet one-way delay: 152.178 ms

Loss rate: 1.83%

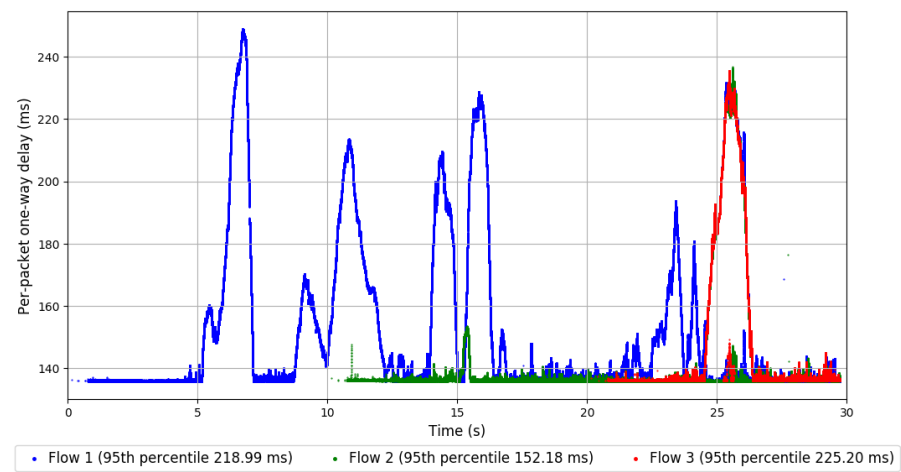
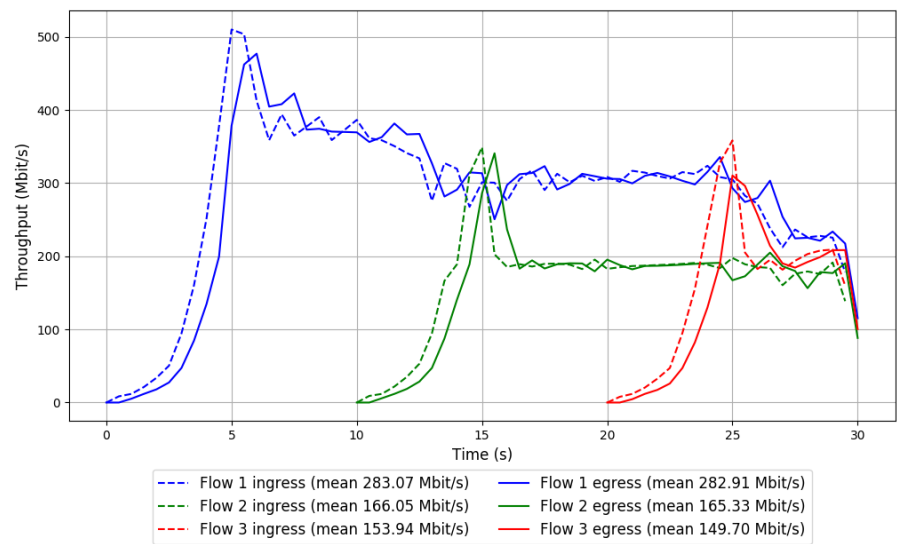
-- Flow 3:

Average throughput: 149.70 Mbit/s

95th percentile per-packet one-way delay: 225.202 ms

Loss rate: 5.49%

Run 10: Report of PCC-Expr — Data Link

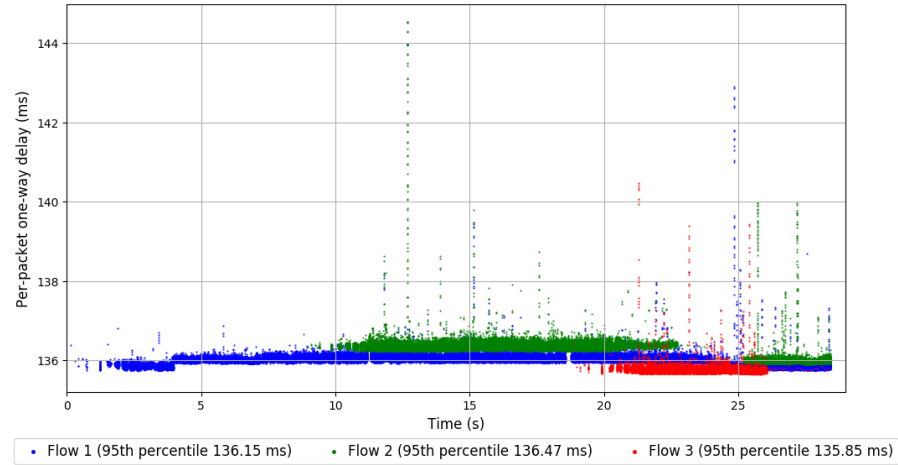
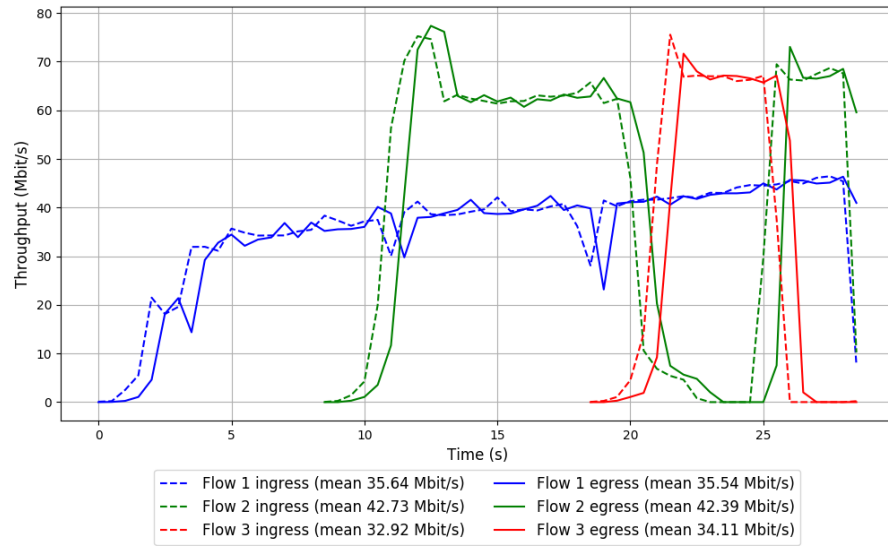


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-11 21:03:48
End at: 2018-08-11 21:04:18
Local clock offset: 0.034 ms
Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.38 Mbit/s
95th percentile per-packet one-way delay: 136.419 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 136.149 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 136.468 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 135.848 ms
Loss rate: 0.03%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-11 21:31:36

End at: 2018-08-11 21:32:06

Local clock offset: -0.146 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-08-12 03:59:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 135.789 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 46.84 Mbit/s

95th percentile per-packet one-way delay: 135.635 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 48.15 Mbit/s

95th percentile per-packet one-way delay: 135.837 ms

Loss rate: 2.00%

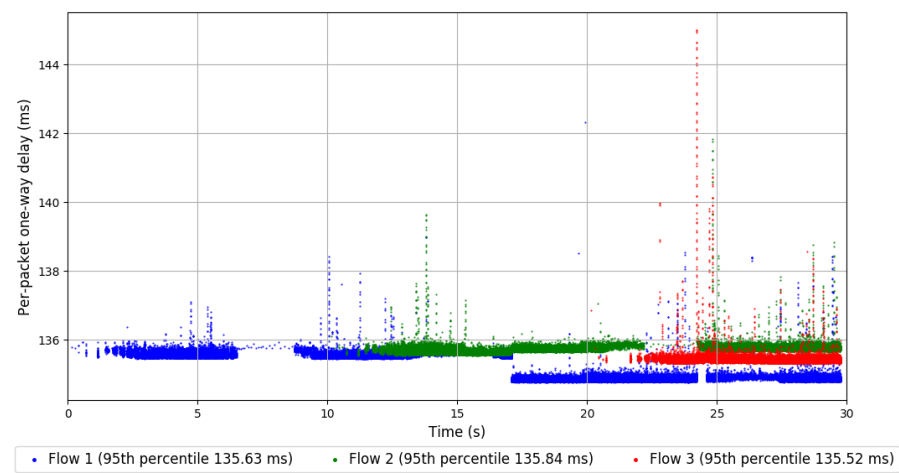
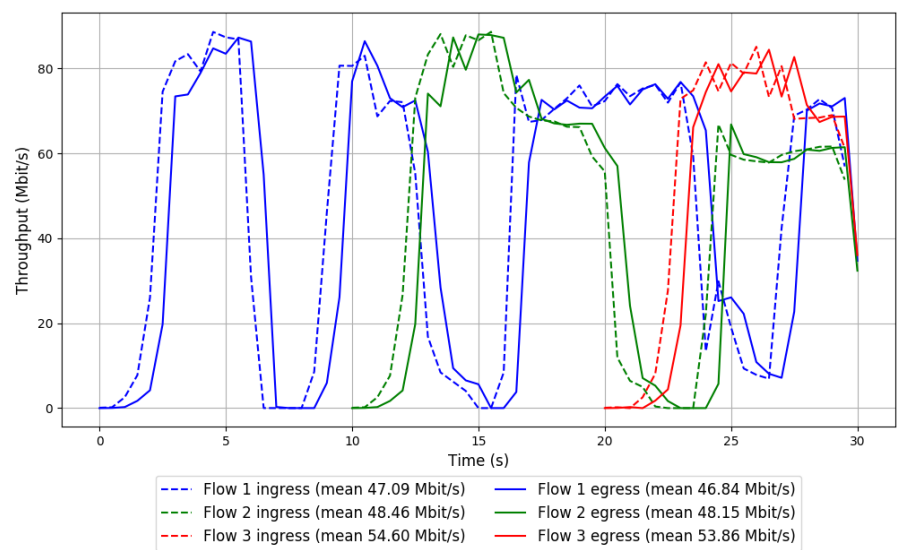
-- Flow 3:

Average throughput: 53.86 Mbit/s

95th percentile per-packet one-way delay: 135.519 ms

Loss rate: 4.09%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-11 21:59:33

End at: 2018-08-11 22:00:03

Local clock offset: -0.174 ms

Remote clock offset: 0.198 ms

Below is generated by plot.py at 2018-08-12 03:59:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.63 Mbit/s

95th percentile per-packet one-way delay: 135.886 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 41.16 Mbit/s

95th percentile per-packet one-way delay: 135.833 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 45.92 Mbit/s

95th percentile per-packet one-way delay: 135.926 ms

Loss rate: 1.98%

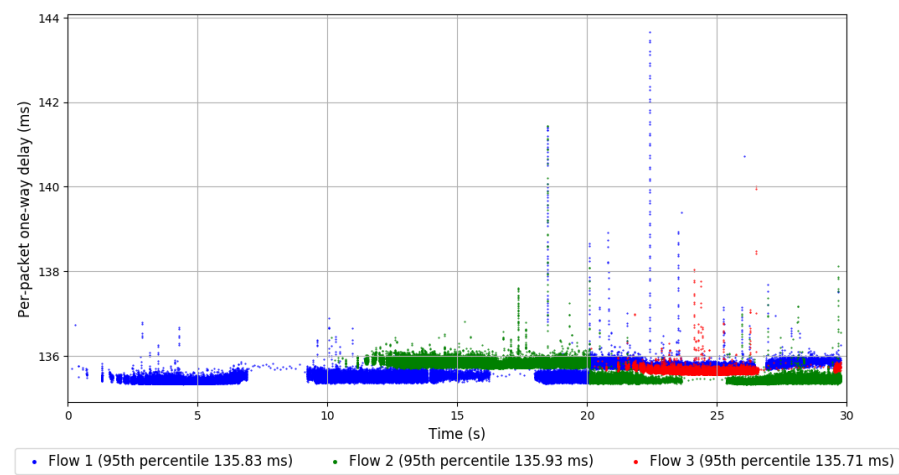
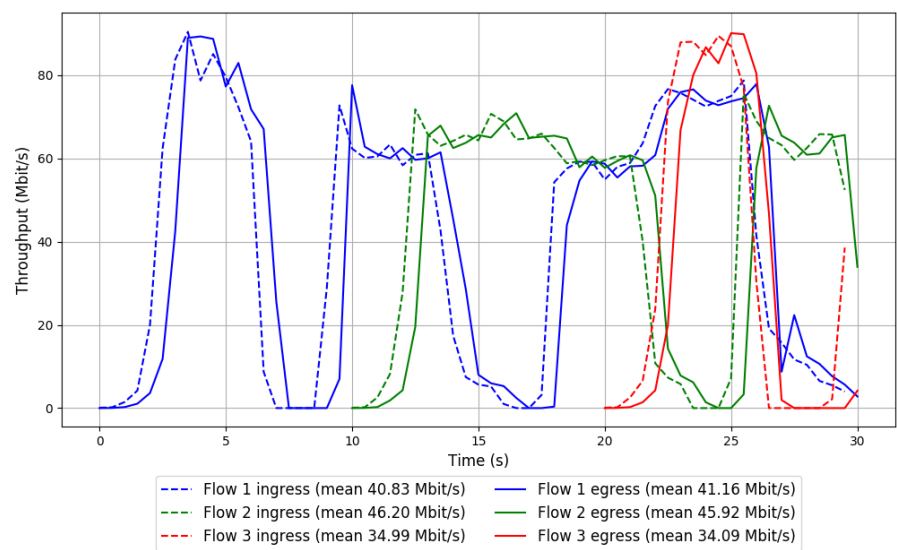
-- Flow 3:

Average throughput: 34.09 Mbit/s

95th percentile per-packet one-way delay: 135.714 ms

Loss rate: 5.28%

Run 3: Report of QUIC Cubic — Data Link

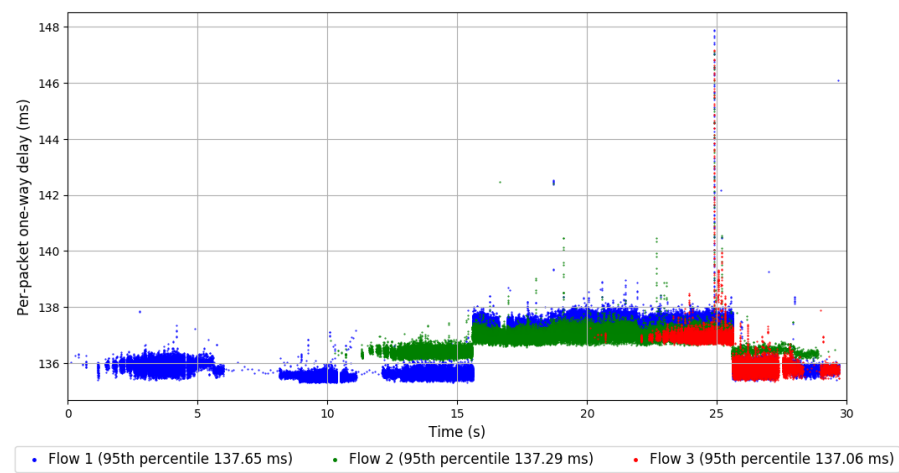
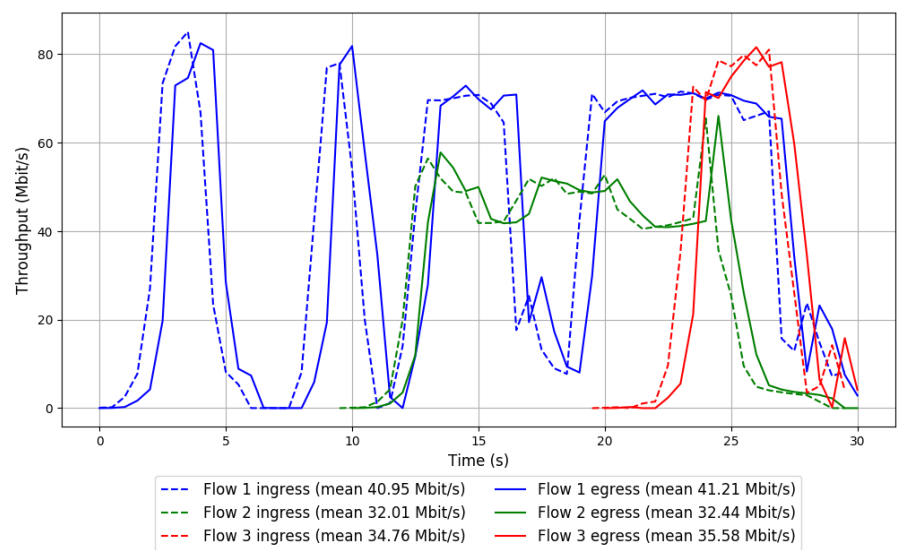


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-11 22:27:28
End at: 2018-08-11 22:27:58
Local clock offset: -0.062 ms
Remote clock offset: -0.555 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 137.588 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 137.649 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 137.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.58 Mbit/s
95th percentile per-packet one-way delay: 137.065 ms
Loss rate: 0.47%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-11 22:55:12

End at: 2018-08-11 22:55:42

Local clock offset: -0.047 ms

Remote clock offset: 0.209 ms

Below is generated by plot.py at 2018-08-12 03:59:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.55 Mbit/s

95th percentile per-packet one-way delay: 135.778 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 41.47 Mbit/s

95th percentile per-packet one-way delay: 135.802 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 6.35 Mbit/s

95th percentile per-packet one-way delay: 135.559 ms

Loss rate: 2.47%

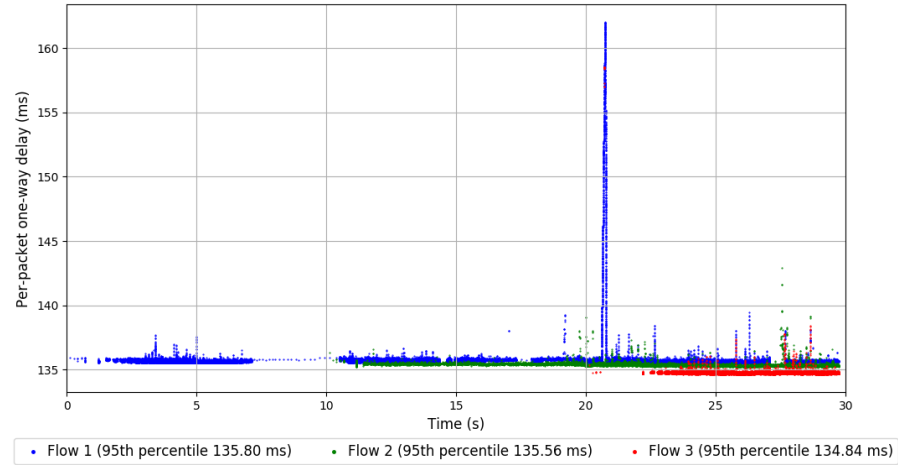
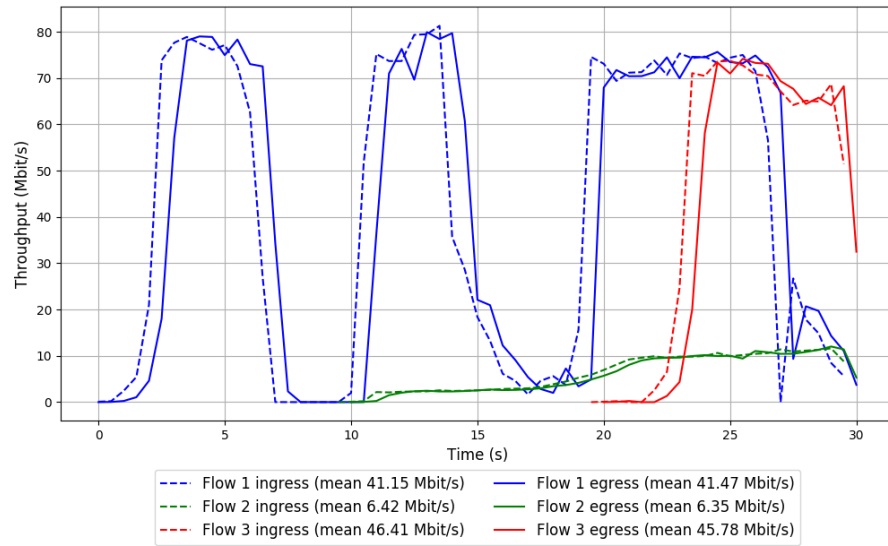
-- Flow 3:

Average throughput: 45.78 Mbit/s

95th percentile per-packet one-way delay: 134.843 ms

Loss rate: 4.07%

Run 5: Report of QUIC Cubic — Data Link

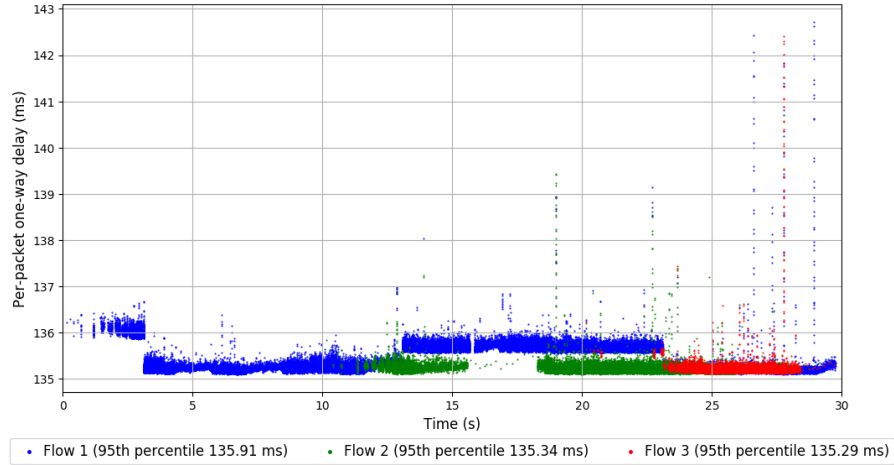
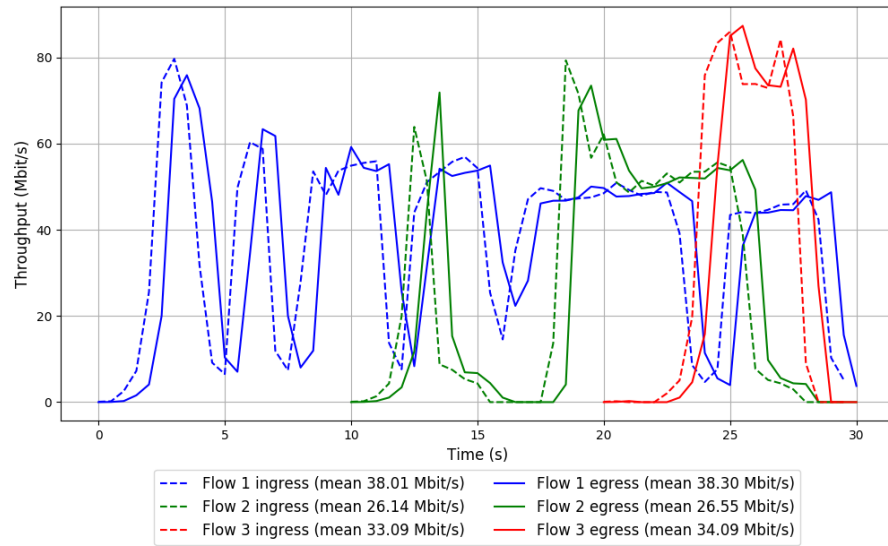


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-11 23:22:50
End at: 2018-08-11 23:23:20
Local clock offset: -0.061 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.74 Mbit/s
95th percentile per-packet one-way delay: 135.793 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 135.912 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 135.338 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 135.286 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

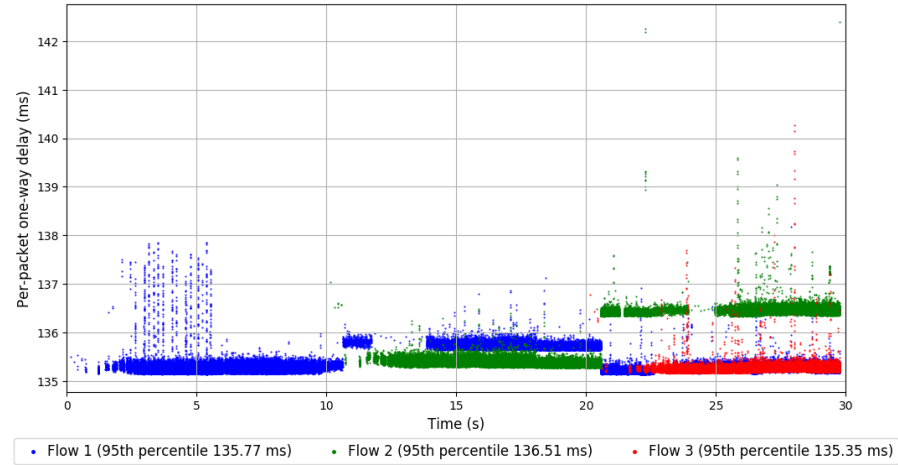
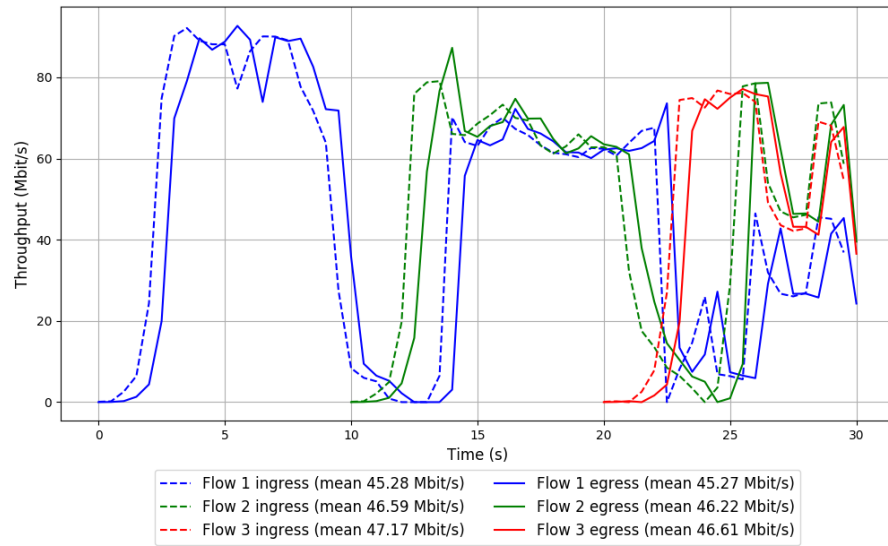


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-11 23:51:13
End at: 2018-08-11 23:51:43
Local clock offset: 0.065 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 136.460 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 45.27 Mbit/s
95th percentile per-packet one-way delay: 135.772 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 136.511 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 46.61 Mbit/s
95th percentile per-packet one-way delay: 135.346 ms
Loss rate: 3.92%

Run 7: Report of QUIC Cubic — Data Link

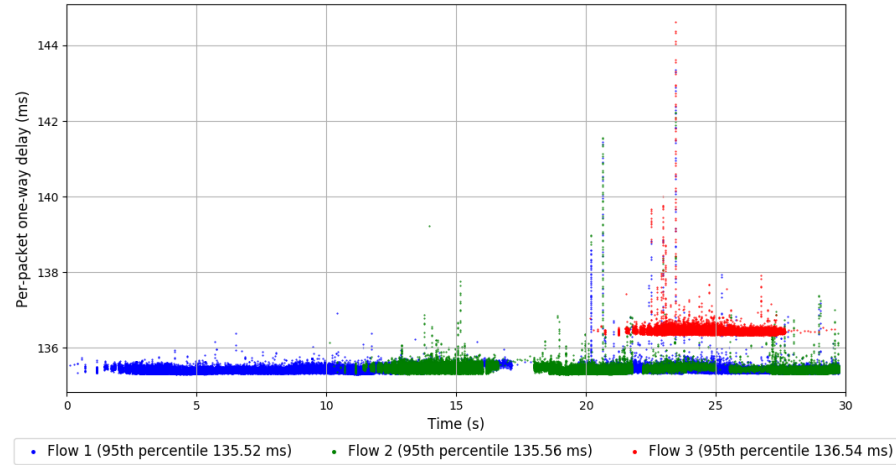
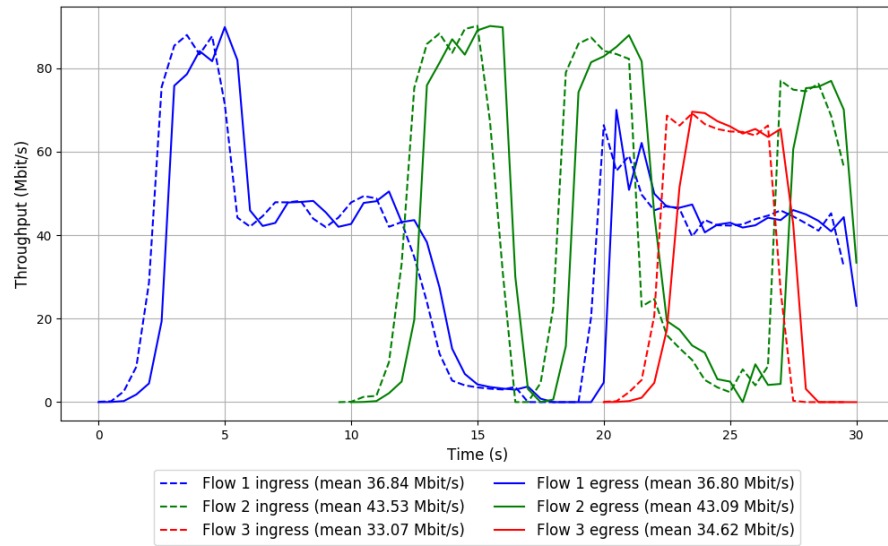


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-12 00:19:48
End at: 2018-08-12 00:20:18
Local clock offset: 0.07 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 136.445 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 135.523 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 43.09 Mbit/s
95th percentile per-packet one-way delay: 135.557 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 136.543 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-12 00:47:44

End at: 2018-08-12 00:48:14

Local clock offset: -0.314 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-08-12 03:59:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 136.469 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 38.42 Mbit/s

95th percentile per-packet one-way delay: 135.674 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 32.86 Mbit/s

95th percentile per-packet one-way delay: 136.536 ms

Loss rate: 0.18%

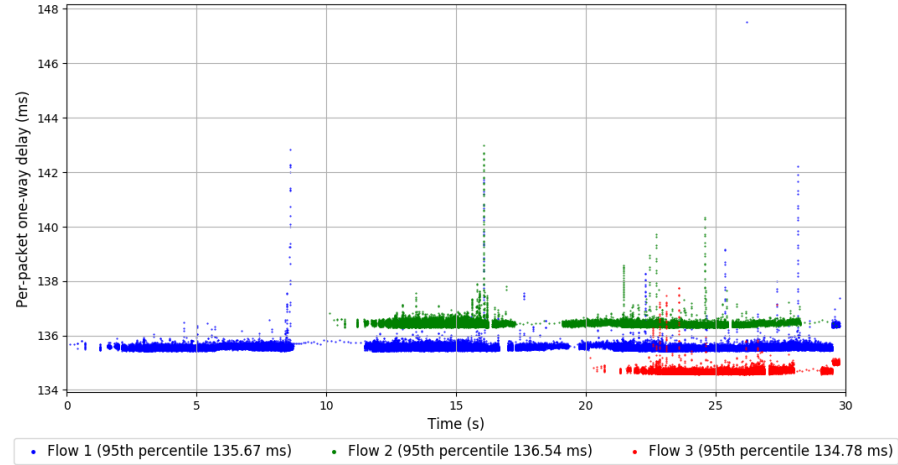
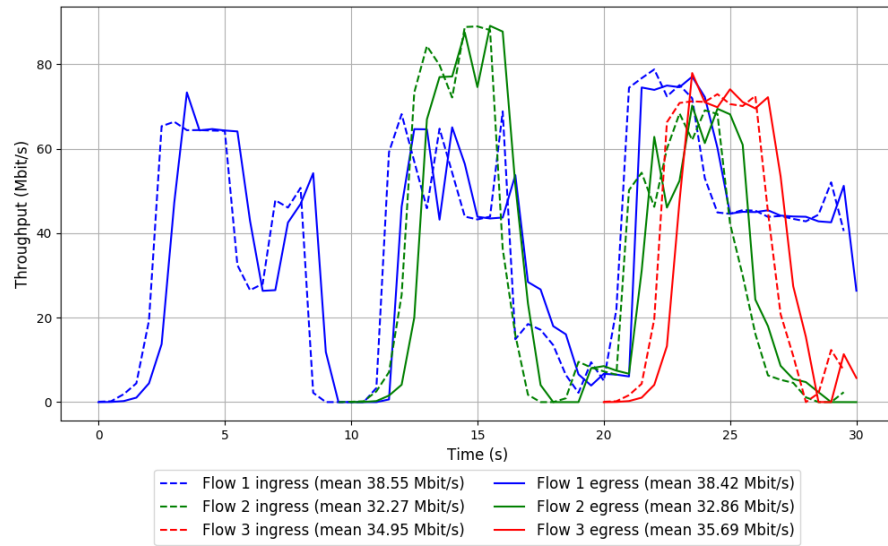
-- Flow 3:

Average throughput: 35.69 Mbit/s

95th percentile per-packet one-way delay: 134.778 ms

Loss rate: 0.71%

Run 9: Report of QUIC Cubic — Data Link

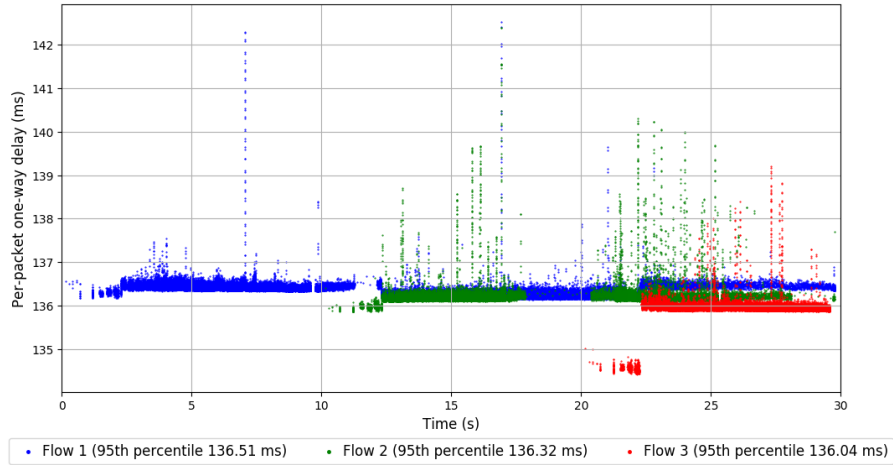
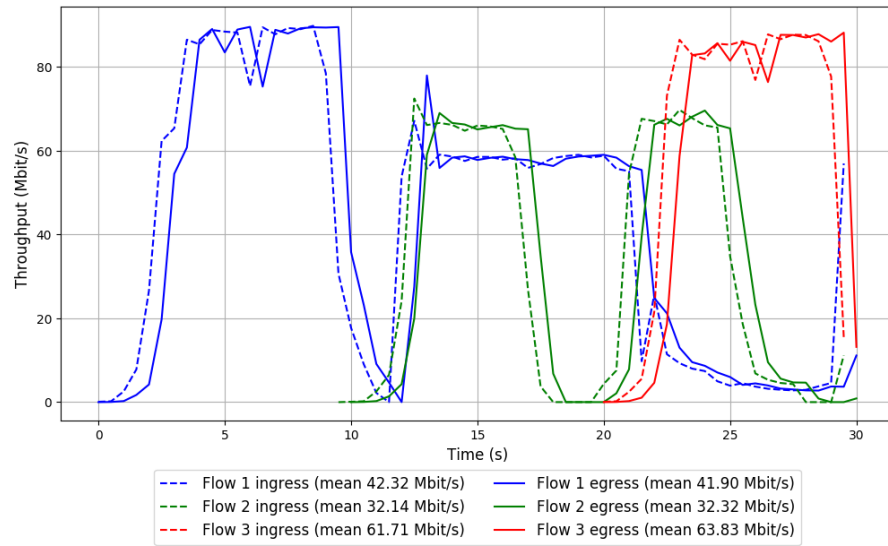


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-12 01:15:51
End at: 2018-08-12 01:16:21
Local clock offset: -0.064 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.60 Mbit/s
95th percentile per-packet one-way delay: 136.486 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 41.90 Mbit/s
95th percentile per-packet one-way delay: 136.514 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 63.83 Mbit/s
95th percentile per-packet one-way delay: 136.044 ms
Loss rate: 1.27%

Run 10: Report of QUIC Cubic — Data Link

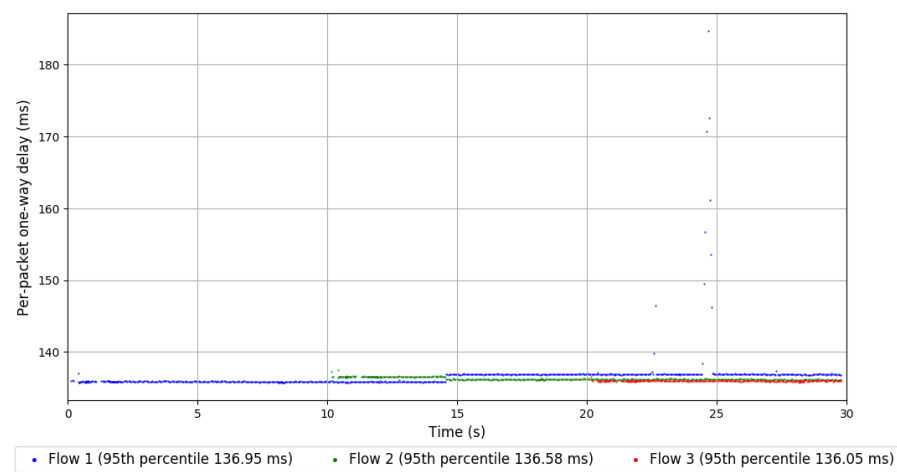
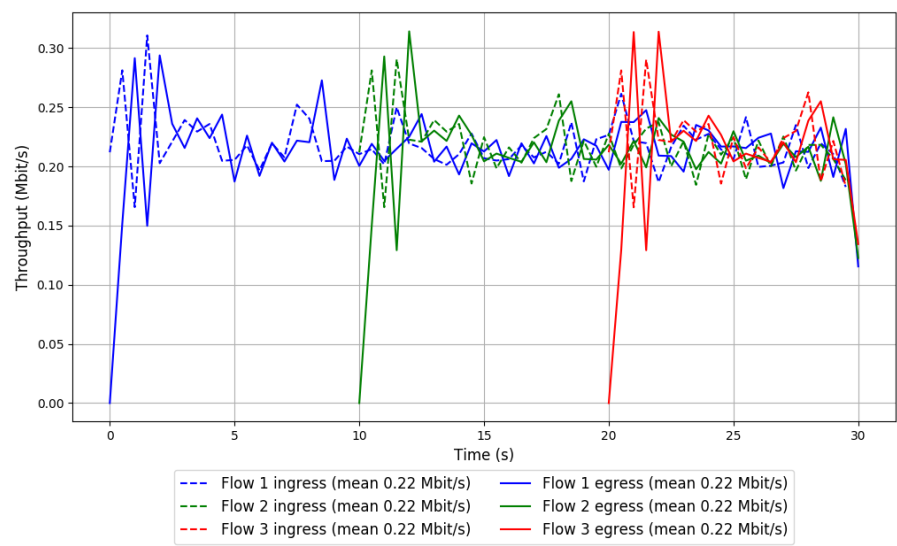


```
Run 1: Statistics of SReAM

Start at: 2018-08-11 21:05:09
End at: 2018-08-11 21:05:39
Local clock offset: 0.066 ms
Remote clock offset: -0.633 ms

# Below is generated by plot.py at 2018-08-12 03:59:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.921 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.949 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.584 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.053 ms
Loss rate: 2.59%
```


Run 1: Report of SReAM — Data Link

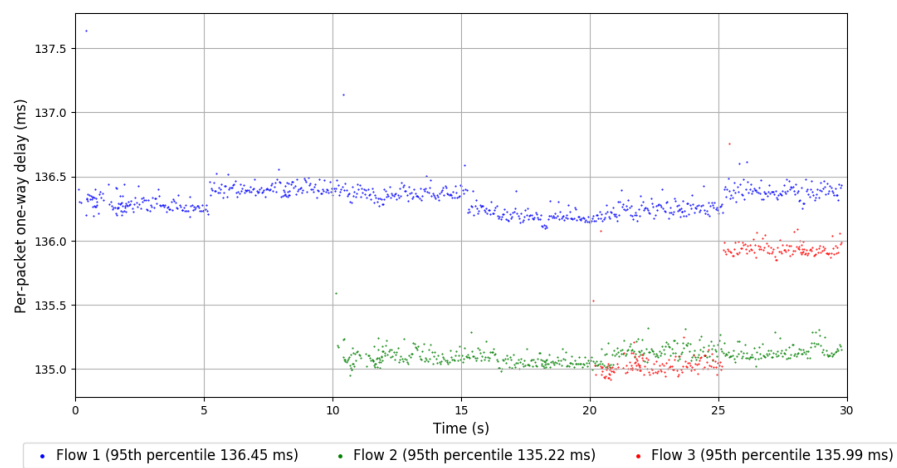
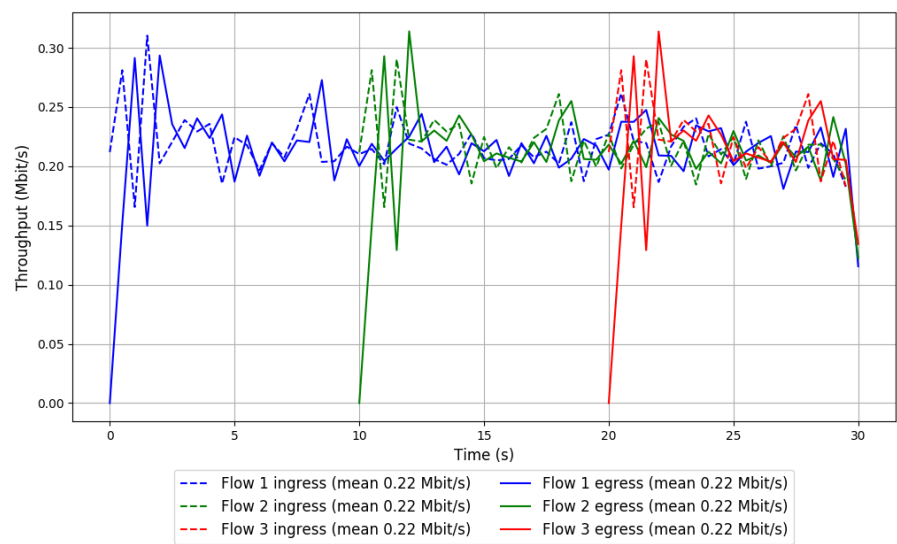


```
Run 2: Statistics of SReAM

Start at: 2018-08-11 21:32:58
End at: 2018-08-11 21:33:28
Local clock offset: -0.155 ms
Remote clock offset: -0.256 ms

# Below is generated by plot.py at 2018-08-12 03:59:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.425 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.452 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.216 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.992 ms
Loss rate: 2.59%
```

Run 2: Report of SReAM — Data Link

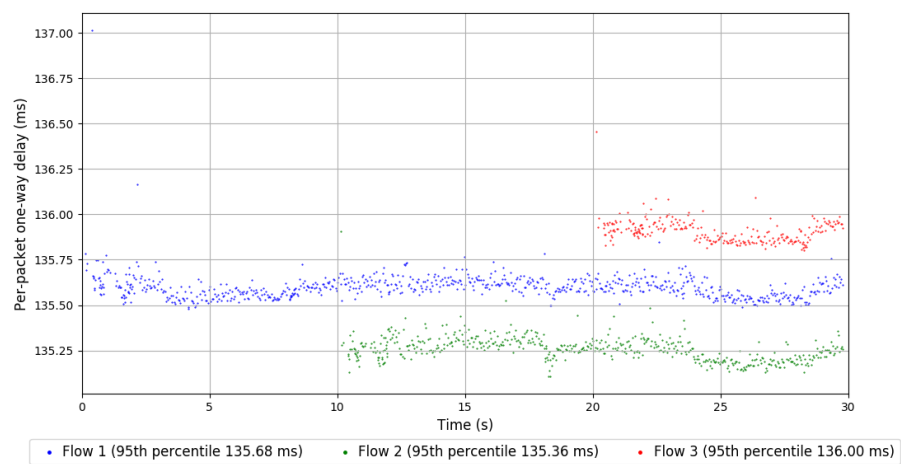
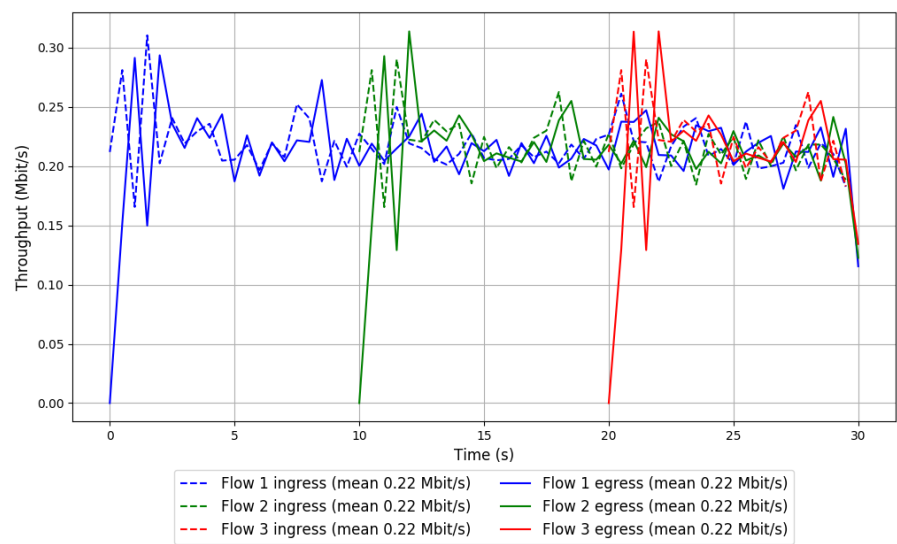


Run 3: Statistics of SReAM

Start at: 2018-08-11 22:00:54
End at: 2018-08-11 22:01:24
Local clock offset: -0.165 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 135.937 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.682 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.360 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.997 ms
Loss rate: 2.59%

Run 3: Report of SCReAM — Data Link

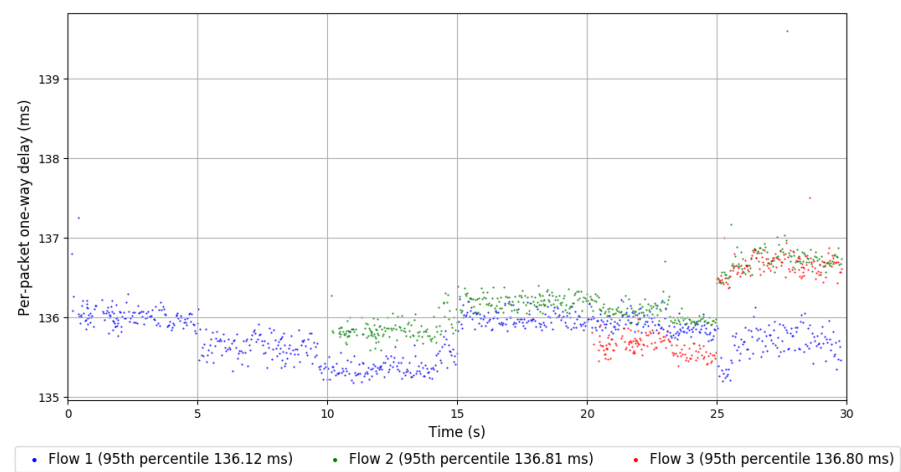
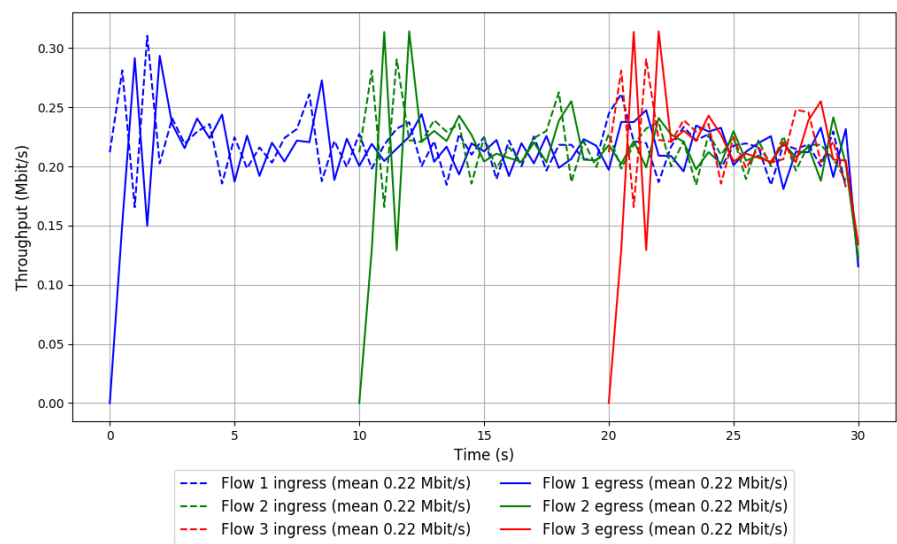


Run 4: Statistics of SReAM

Start at: 2018-08-11 22:28:48
End at: 2018-08-11 22:29:18
Local clock offset: -0.074 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.744 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.120 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.811 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.802 ms
Loss rate: 2.59%

Run 4: Report of SReAM — Data Link

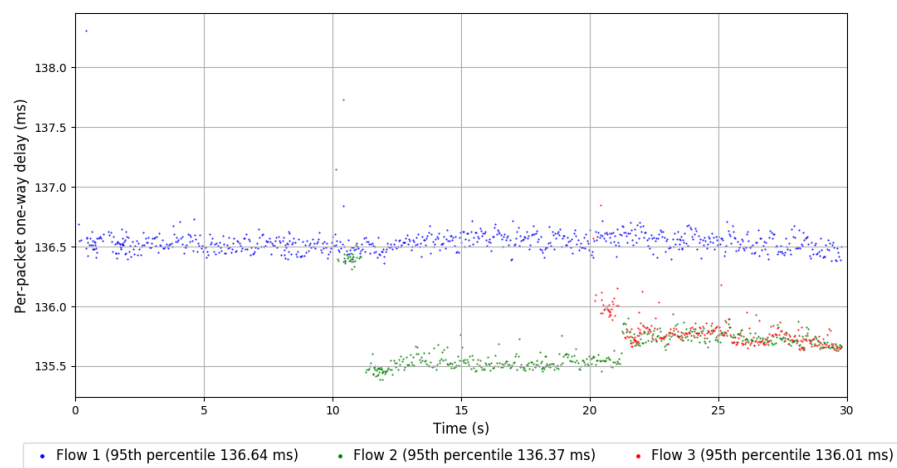
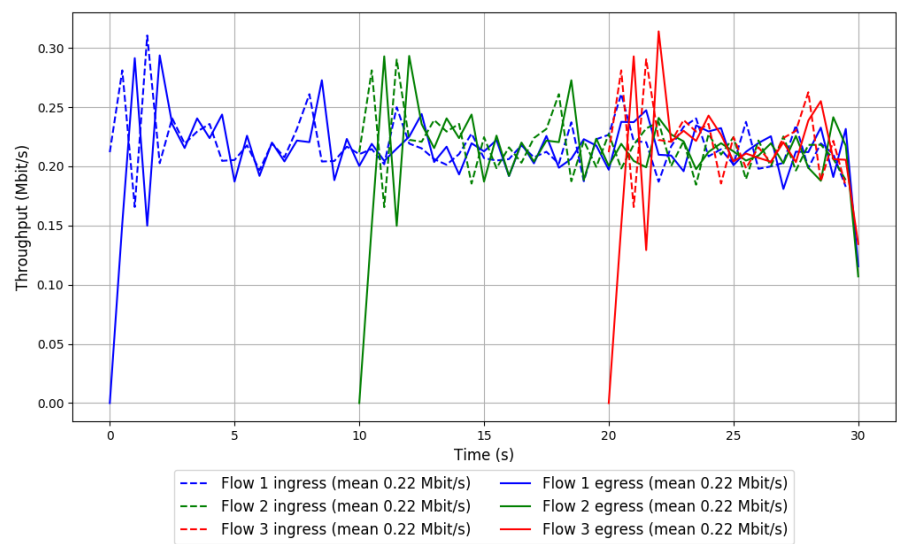


Run 5: Statistics of SReAM

Start at: 2018-08-11 22:56:32
End at: 2018-08-11 22:57:02
Local clock offset: -0.235 ms
Remote clock offset: -0.568 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.618 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.640 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.371 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.014 ms
Loss rate: 2.59%

Run 5: Report of SReAM — Data Link

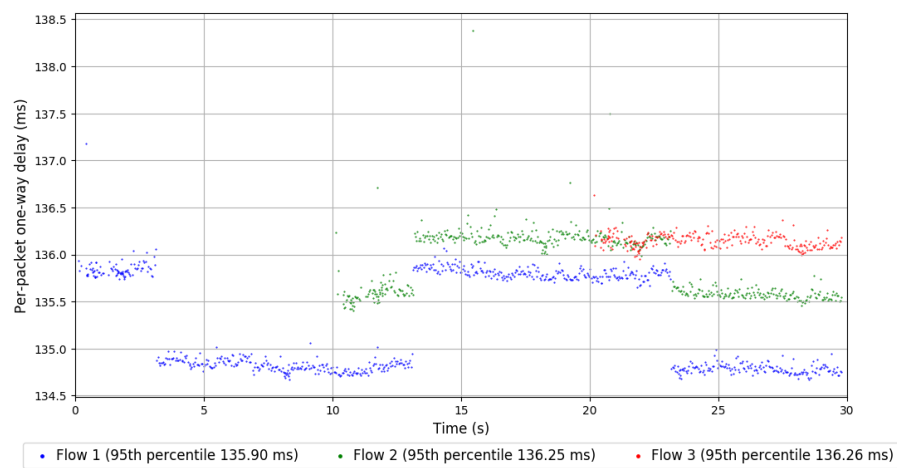
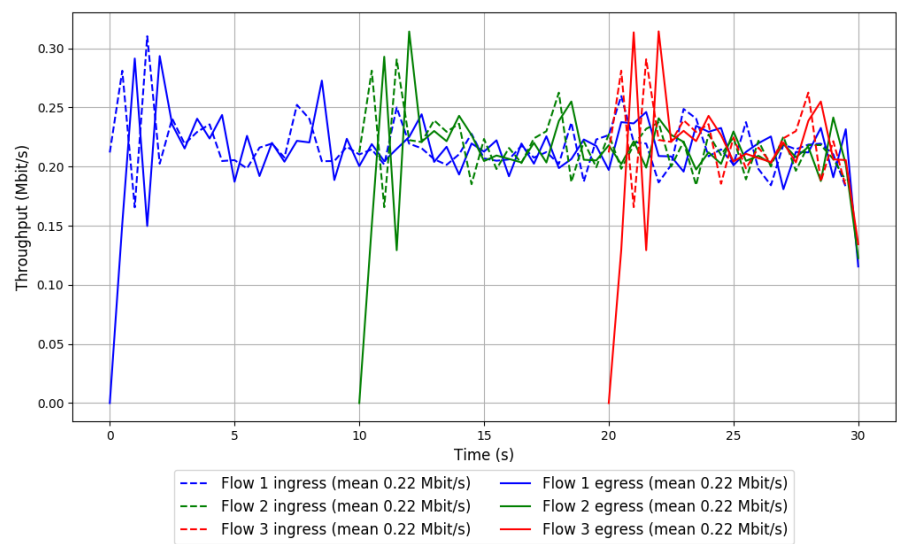


Run 6: Statistics of SReAM

Start at: 2018-08-11 23:24:10
End at: 2018-08-11 23:24:40
Local clock offset: 0.042 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.234 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.898 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.253 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.257 ms
Loss rate: 2.59%

Run 6: Report of SReAM — Data Link

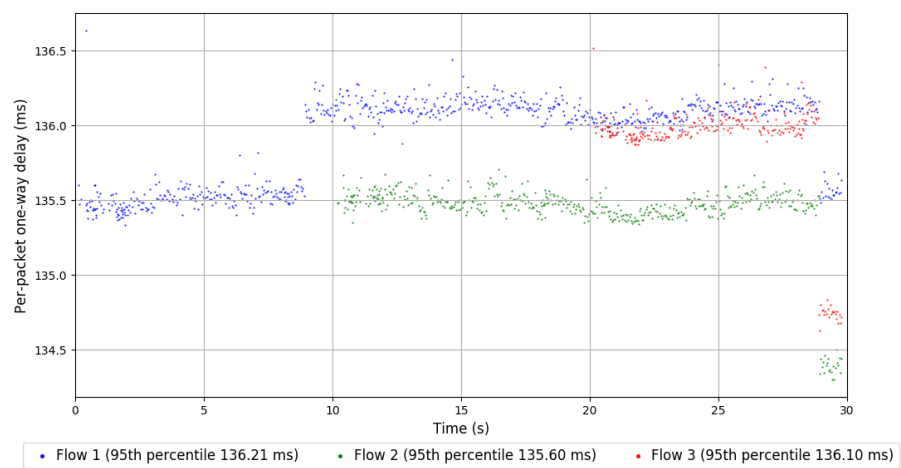
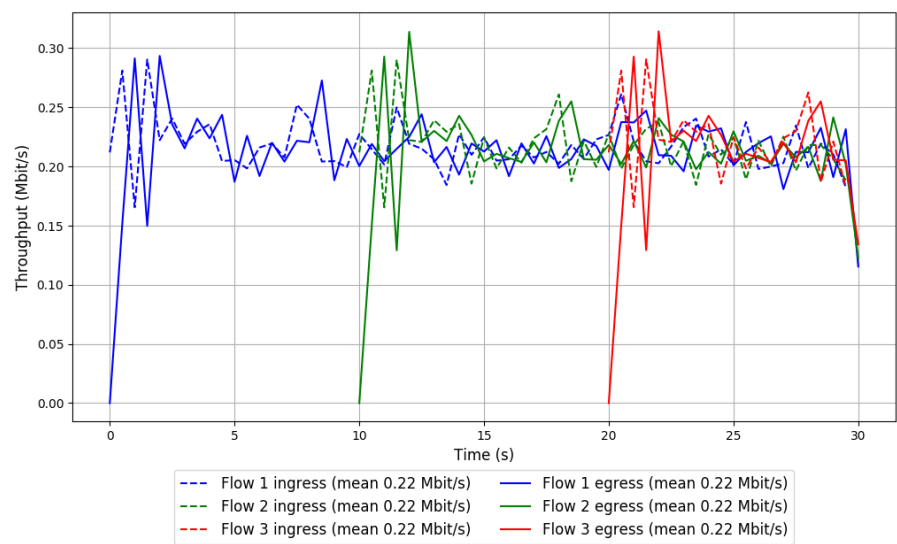


Run 7: Statistics of SReAM

Start at: 2018-08-11 23:52:35
End at: 2018-08-11 23:53:05
Local clock offset: -0.047 ms
Remote clock offset: 0.198 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.176 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.212 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.598 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.104 ms
Loss rate: 2.59%

Run 7: Report of SReAM — Data Link

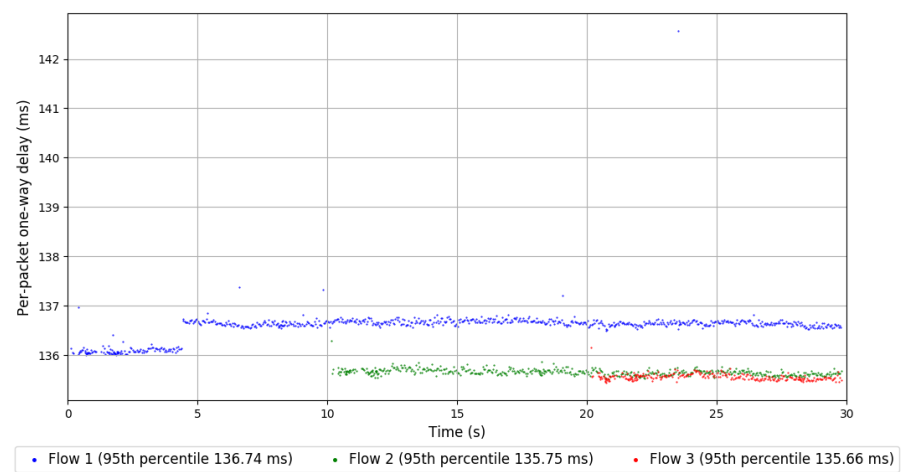
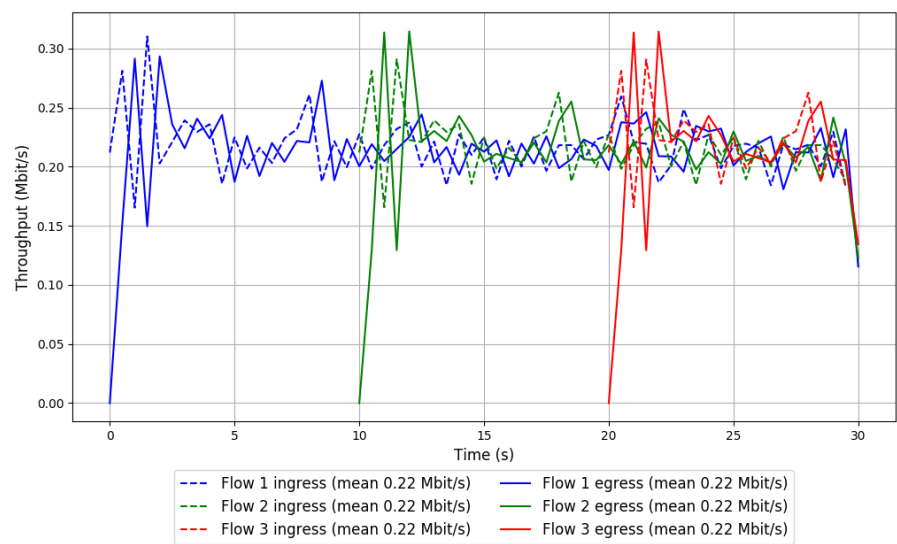


Run 8: Statistics of SReAM

Start at: 2018-08-12 00:21:09
End at: 2018-08-12 00:21:39
Local clock offset: 0.039 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.713 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.735 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.749 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.656 ms
Loss rate: 2.59%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-12 00:49:04

End at: 2018-08-12 00:49:34

Local clock offset: -0.276 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-08-12 03:59:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.298 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.193 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.323 ms

Loss rate: 1.43%

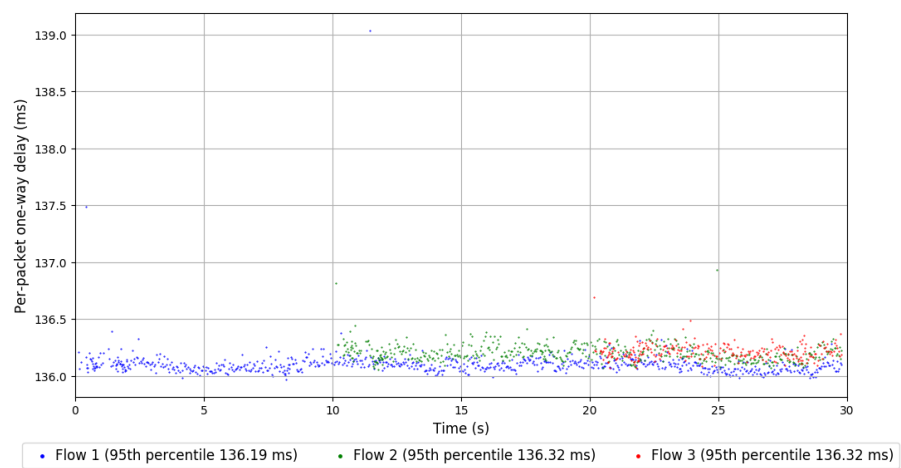
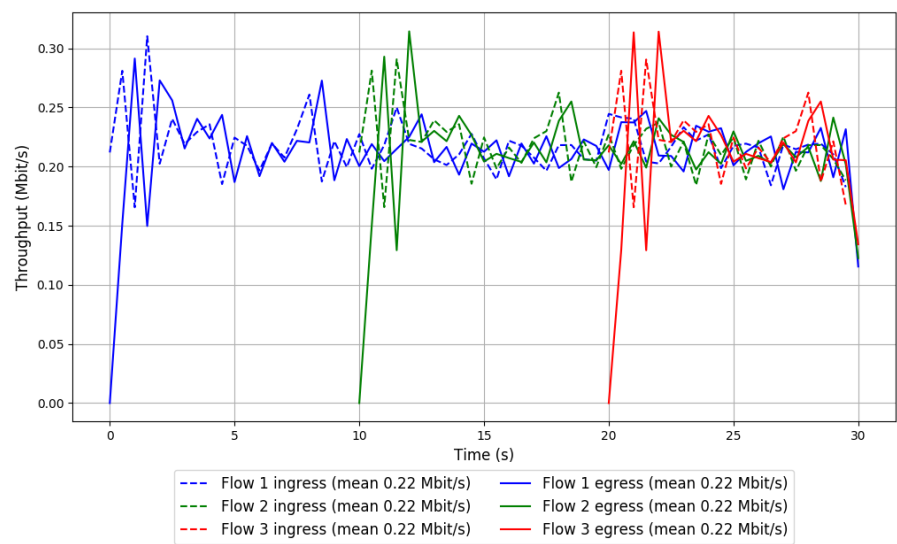
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.323 ms

Loss rate: 2.25%

Run 9: Report of SCReAM — Data Link

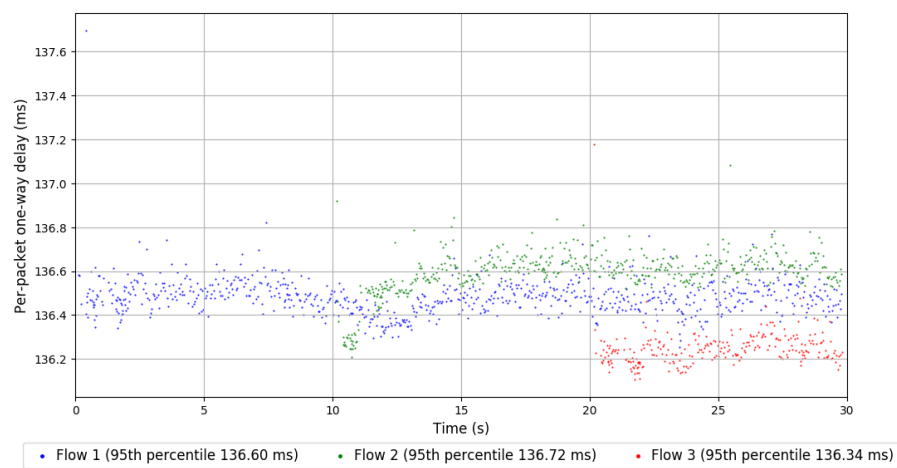
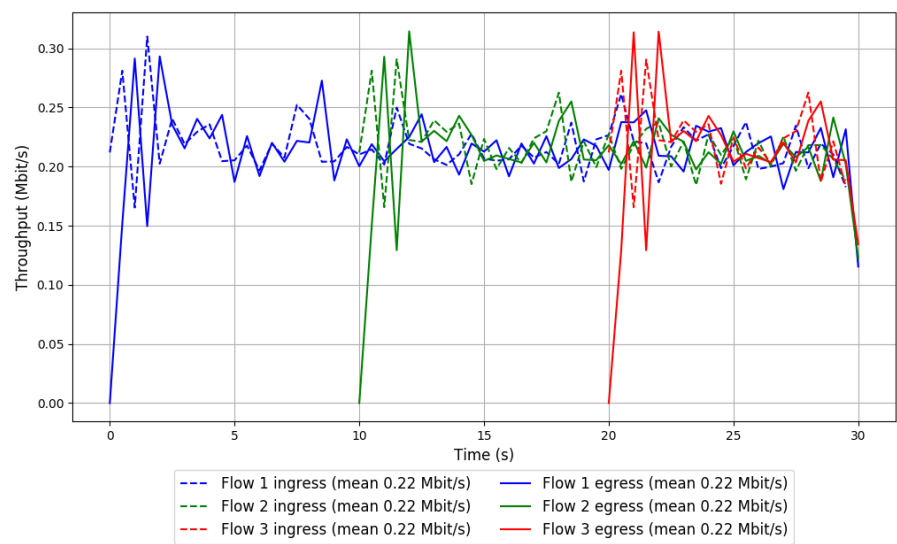


Run 10: Statistics of SReAM

Start at: 2018-08-12 01:17:12
End at: 2018-08-12 01:17:42
Local clock offset: -0.051 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.675 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.599 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.725 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.345 ms
Loss rate: 2.59%

Run 10: Report of SCRaM — Data Link

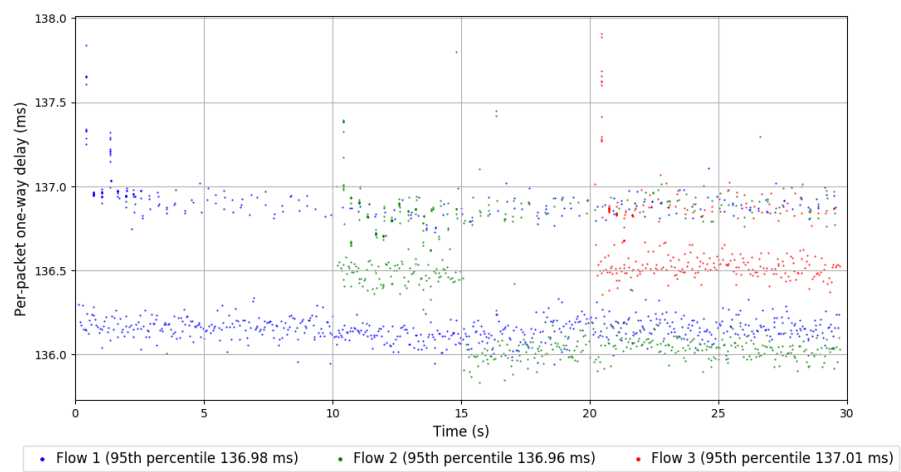
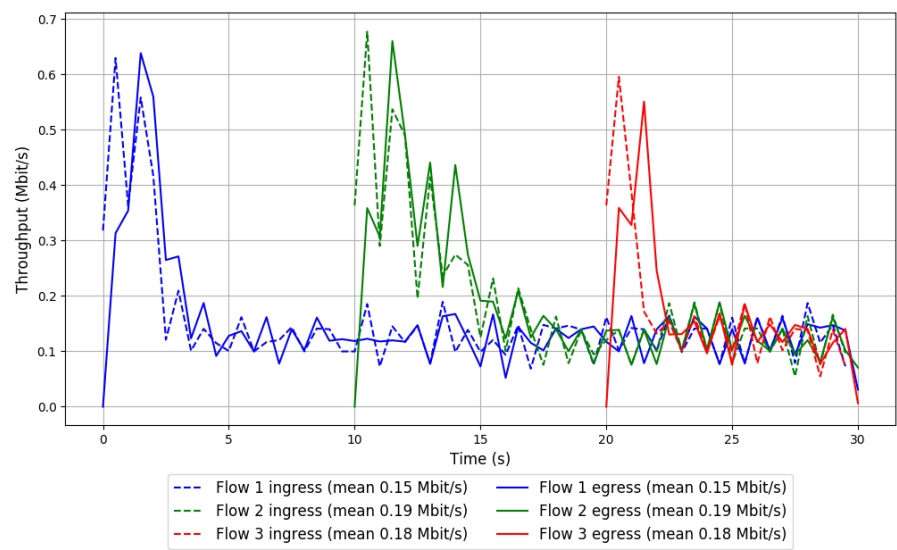


Run 1: Statistics of Sprout

Start at: 2018-08-11 20:44:38
End at: 2018-08-11 20:45:08
Local clock offset: -0.05 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.976 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.976 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.962 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 137.015 ms
Loss rate: 1.99%

Run 1: Report of Sprout — Data Link

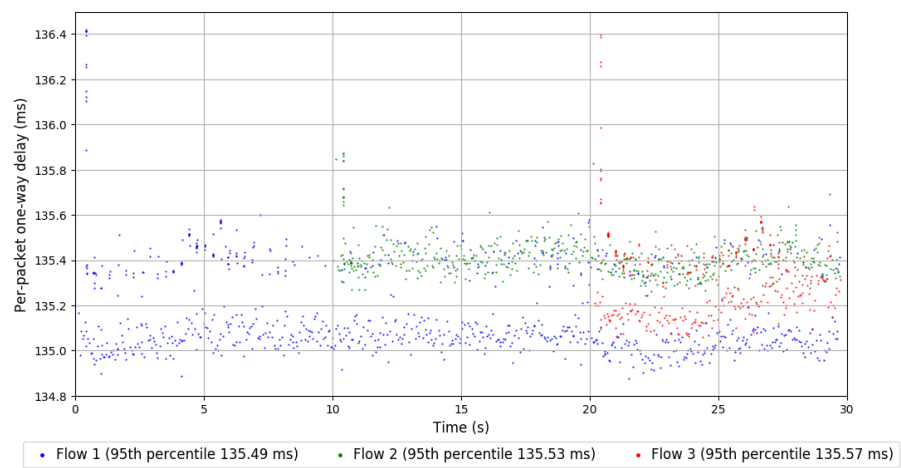
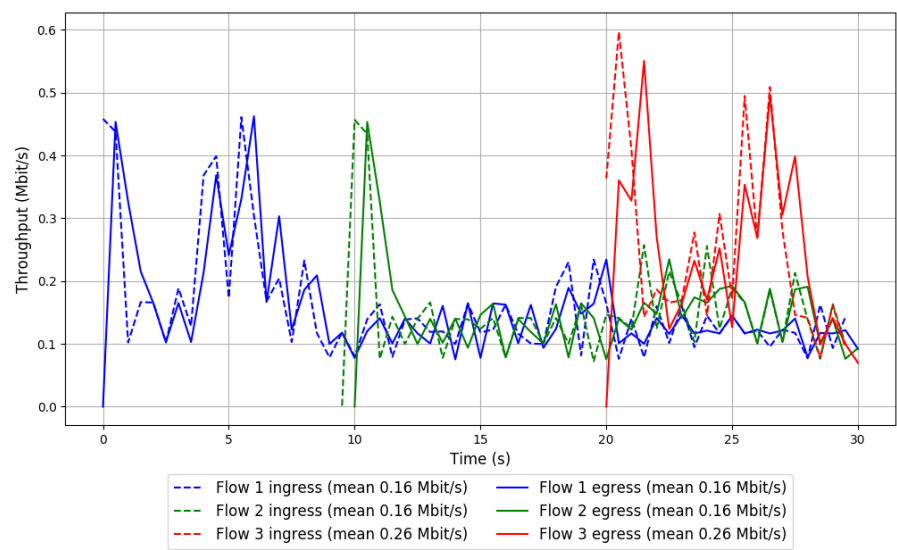


Run 2: Statistics of Sprout

Start at: 2018-08-11 21:12:30
End at: 2018-08-11 21:13:00
Local clock offset: -0.091 ms
Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 135.523 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.488 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.534 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 135.570 ms
Loss rate: 1.77%

Run 2: Report of Sprout — Data Link

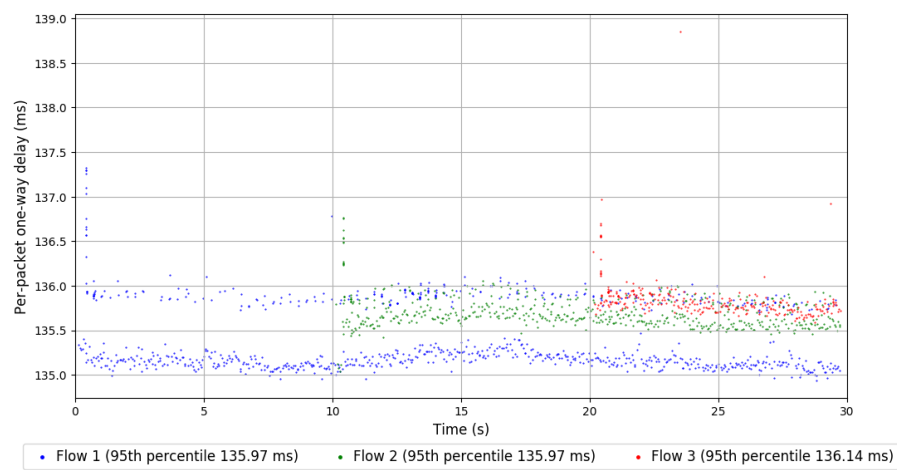
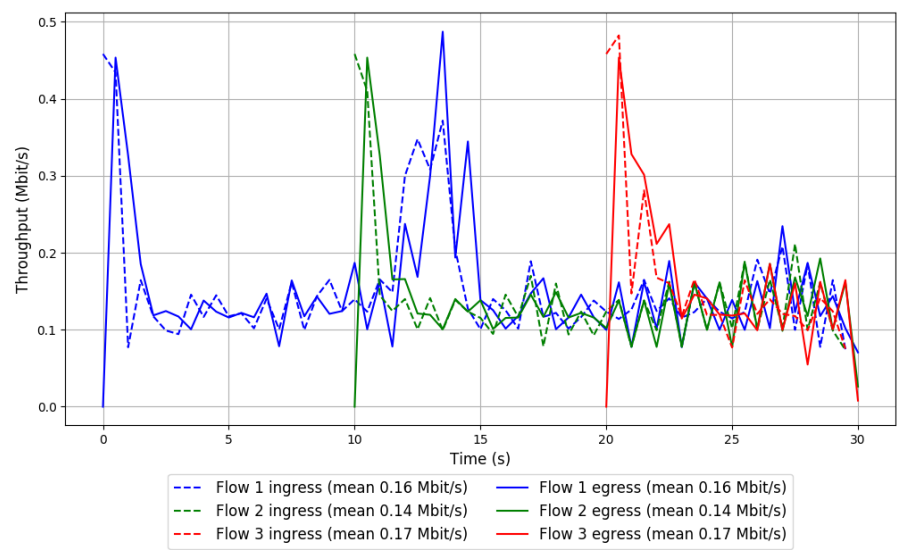


Run 3: Statistics of Sprout

Start at: 2018-08-11 21:40:23
End at: 2018-08-11 21:40:53
Local clock offset: -0.034 ms
Remote clock offset: -0.157 ms

```
# Below is generated by plot.py at 2018-08-12 03:59:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 135.989 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.969 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 135.970 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.139 ms
Loss rate: 2.08%
```


Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-11 22:08:18

End at: 2018-08-11 22:08:48

Local clock offset: 0.106 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-08-12 03:59:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 136.704 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.712 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.687 ms

Loss rate: 1.37%

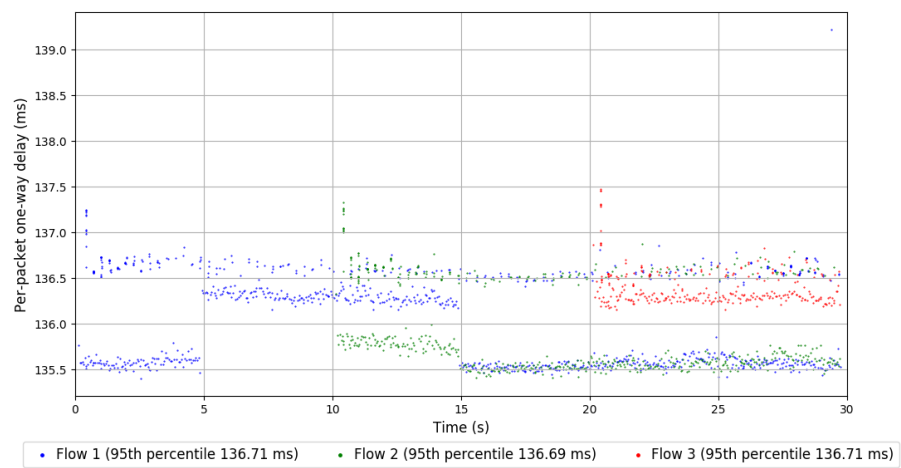
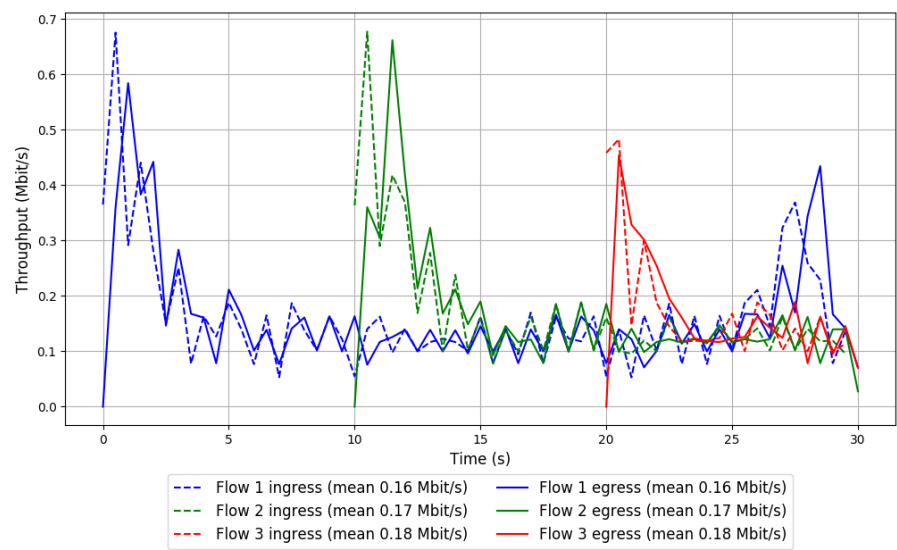
-- Flow 3:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 136.710 ms

Loss rate: 1.97%

Run 4: Report of Sprout — Data Link

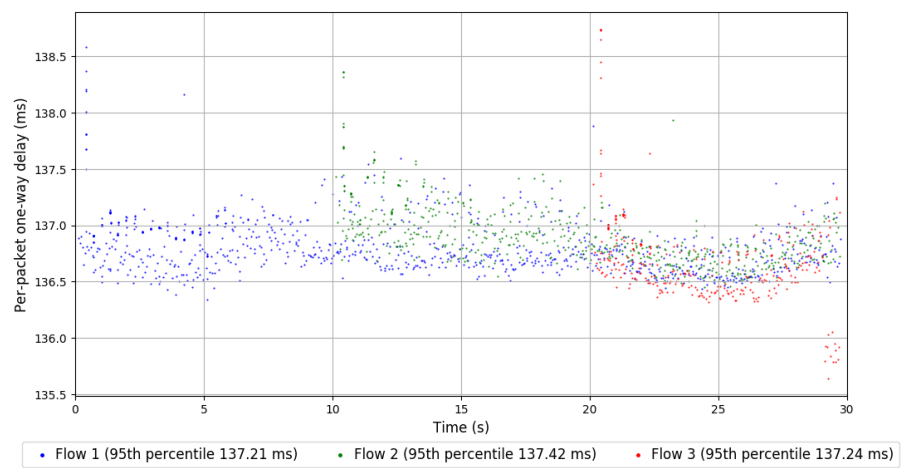
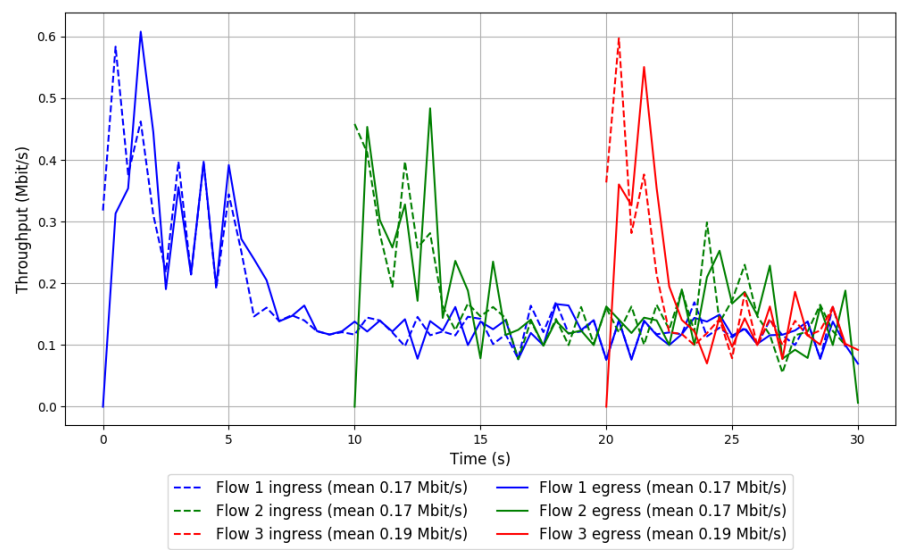


Run 5: Statistics of Sprout

Start at: 2018-08-11 22:36:14
End at: 2018-08-11 22:36:44
Local clock offset: -0.476 ms
Remote clock offset: -0.565 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 137.346 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.205 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.420 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 137.235 ms
Loss rate: 1.90%

Run 5: Report of Sprout — Data Link

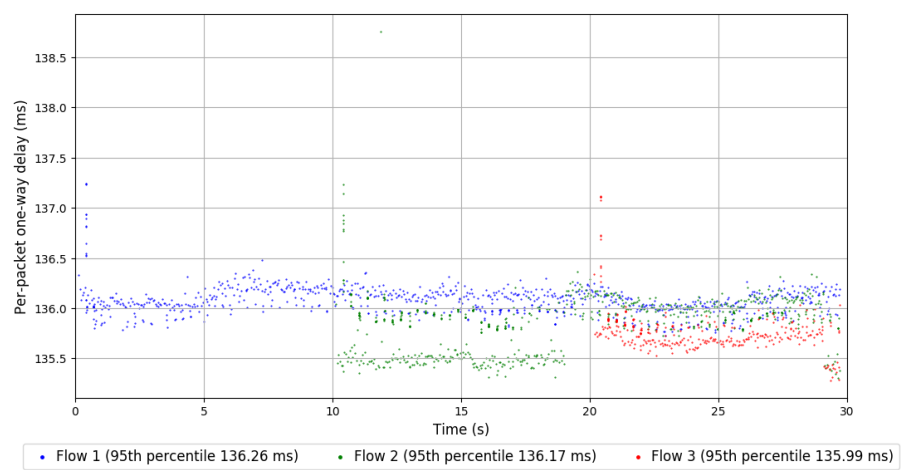
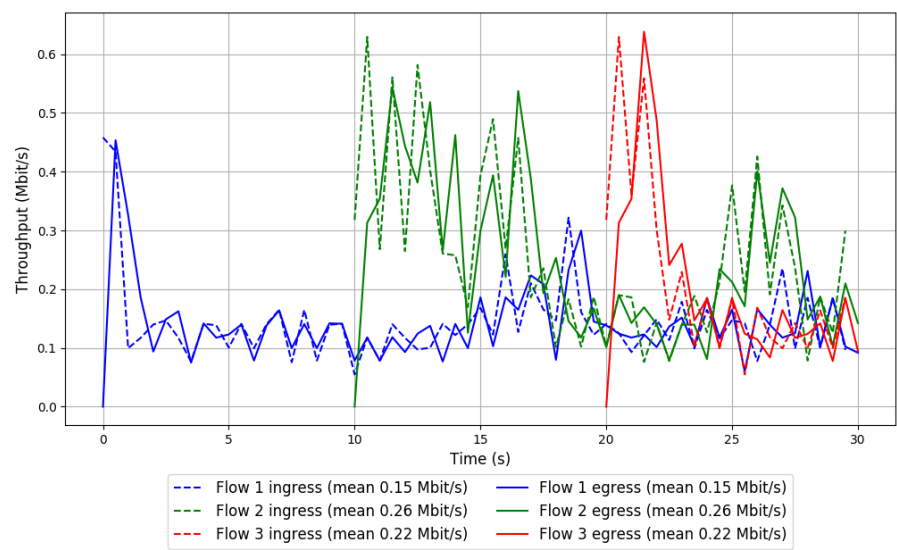


Run 6: Statistics of Sprout

Start at: 2018-08-11 23:03:54
End at: 2018-08-11 23:04:24
Local clock offset: -0.205 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 136.235 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.258 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 136.171 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.988 ms
Loss rate: 2.27%

Run 6: Report of Sprout — Data Link

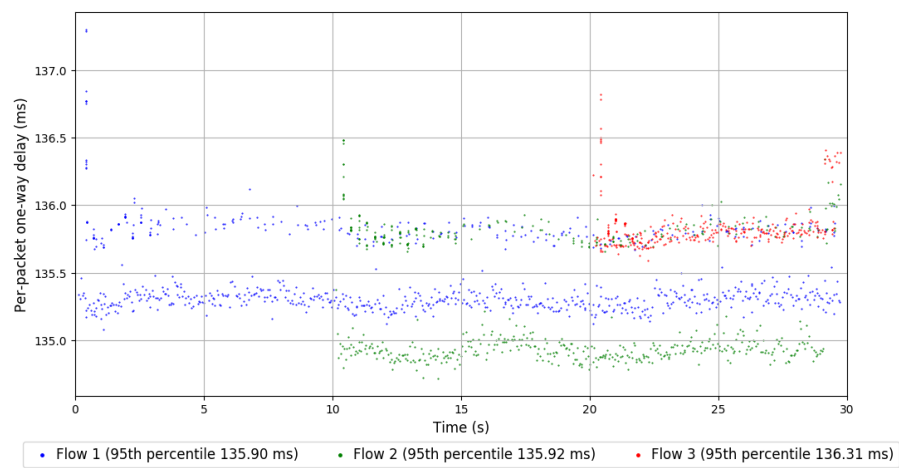
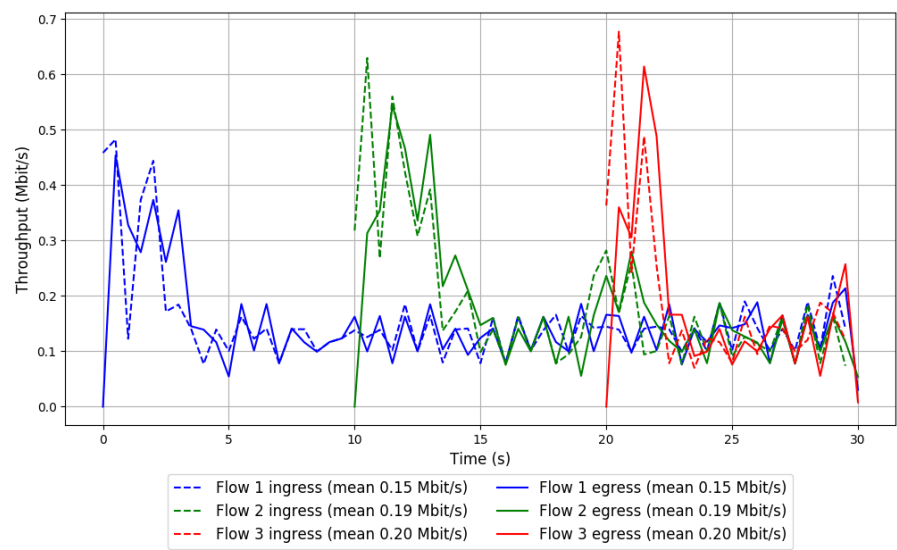


Run 7: Statistics of Sprout

Start at: 2018-08-11 23:31:34
End at: 2018-08-11 23:32:04
Local clock offset: -0.127 ms
Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 135.922 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.904 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 135.921 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.315 ms
Loss rate: 3.04%

Run 7: Report of Sprout — Data Link

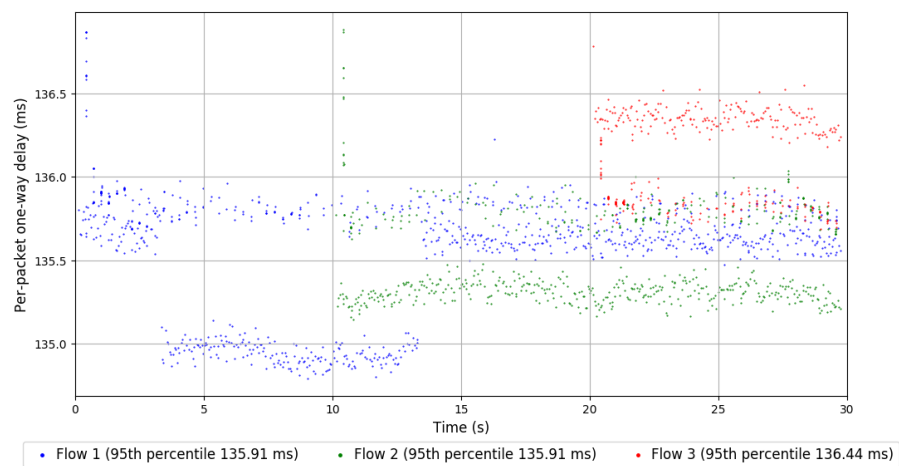
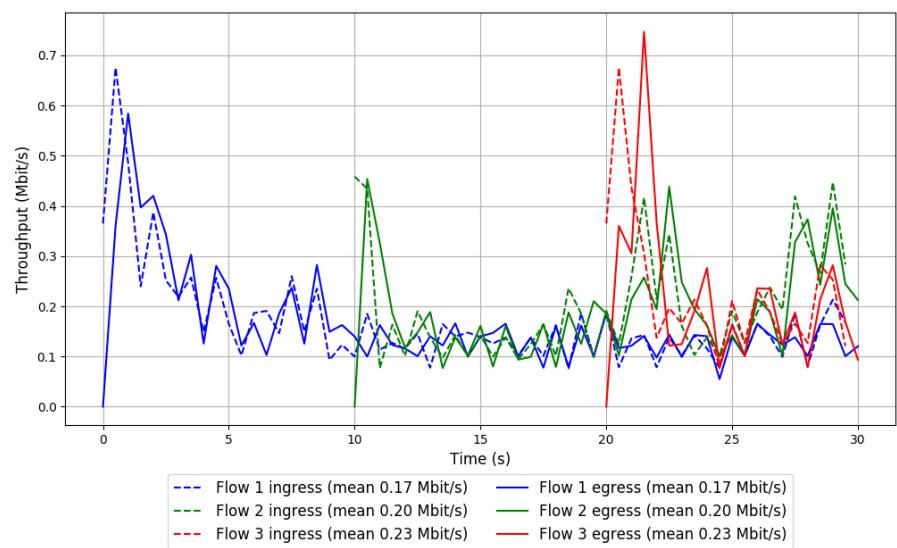


Run 8: Statistics of Sprout

Start at: 2018-08-12 00:00:00
End at: 2018-08-12 00:00:30
Local clock offset: -0.012 ms
Remote clock offset: -0.141 ms

```
# Below is generated by plot.py at 2018-08-12 03:59:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.360 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 135.911 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 135.906 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.435 ms
Loss rate: 2.54%
```

Run 8: Report of Sprout — Data Link

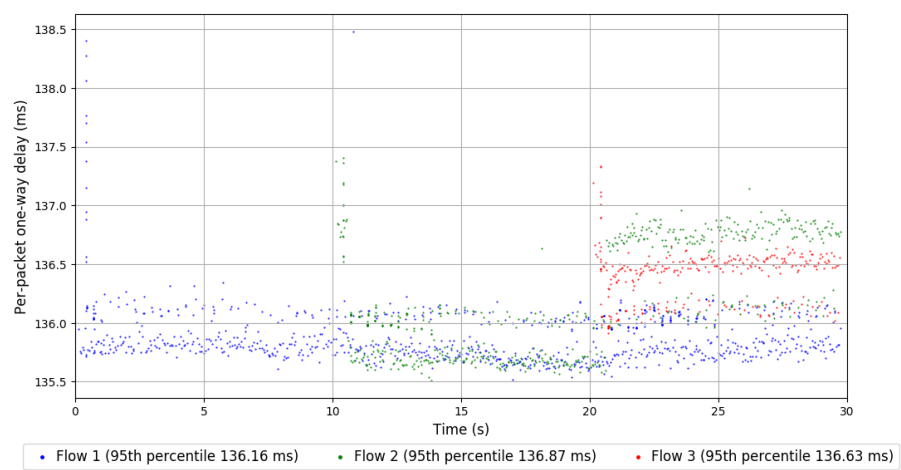
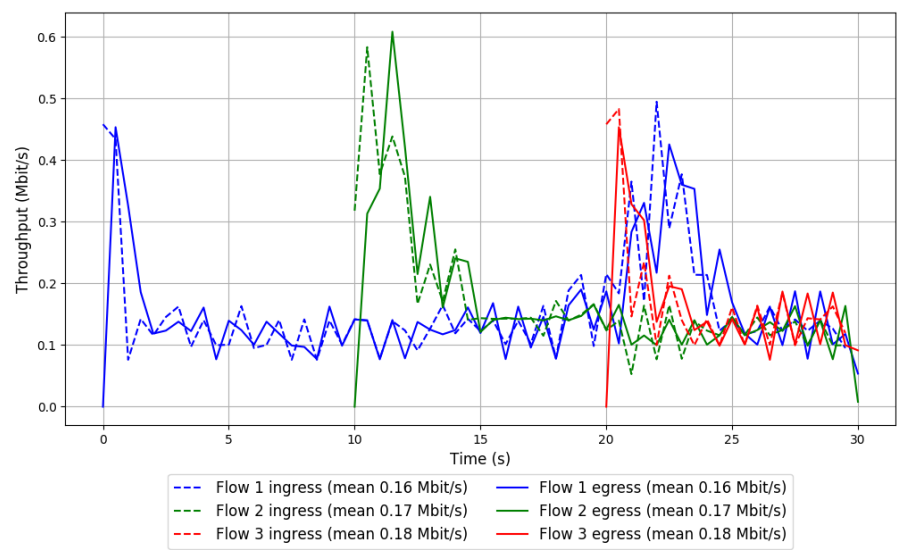


Run 9: Statistics of Sprout

Start at: 2018-08-12 00:28:33
End at: 2018-08-12 00:29:03
Local clock offset: 0.204 ms
Remote clock offset: -0.066 ms

```
# Below is generated by plot.py at 2018-08-12 03:59:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.810 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.158 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.872 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.631 ms
Loss rate: 2.70%
```

Run 9: Report of Sprout — Data Link

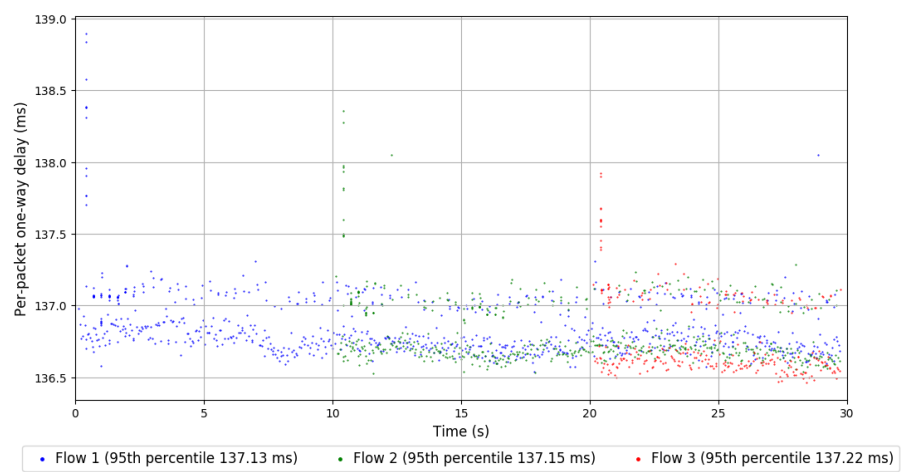
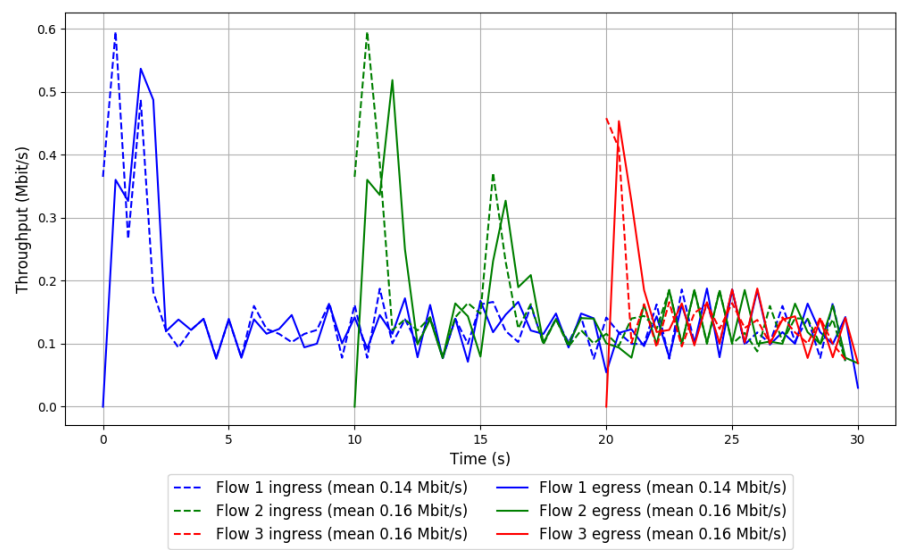


Run 10: Statistics of Sprout

Start at: 2018-08-12 00:56:29
End at: 2018-08-12 00:56:59
Local clock offset: -0.233 ms
Remote clock offset: -0.494 ms

Below is generated by plot.py at 2018-08-12 03:59:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 137.150 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 137.133 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 137.151 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 137.220 ms
Loss rate: 1.01%

Run 10: Report of Sprout — Data Link

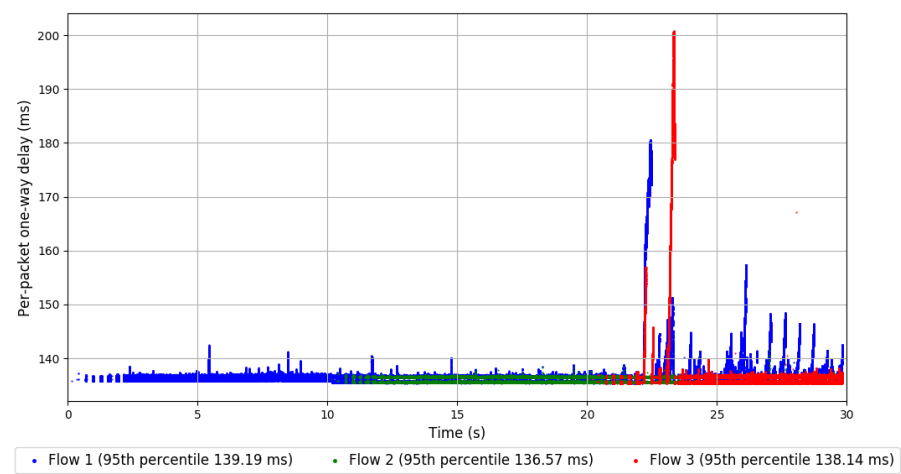
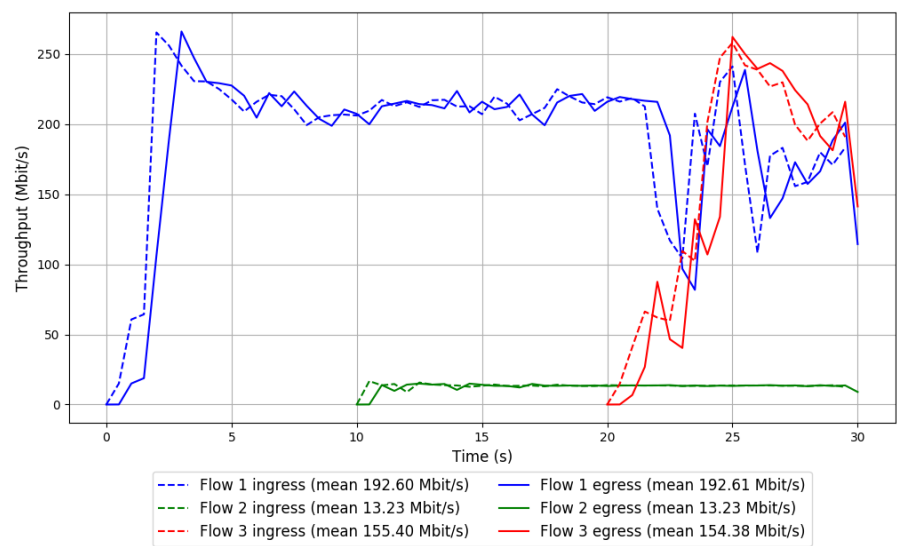


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-11 20:45:53
End at: 2018-08-11 20:46:23
Local clock offset: -0.151 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-08-12 03:59:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.59 Mbit/s
95th percentile per-packet one-way delay: 138.930 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 192.61 Mbit/s
95th percentile per-packet one-way delay: 139.194 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 136.574 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 154.38 Mbit/s
95th percentile per-packet one-way delay: 138.136 ms
Loss rate: 3.40%

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

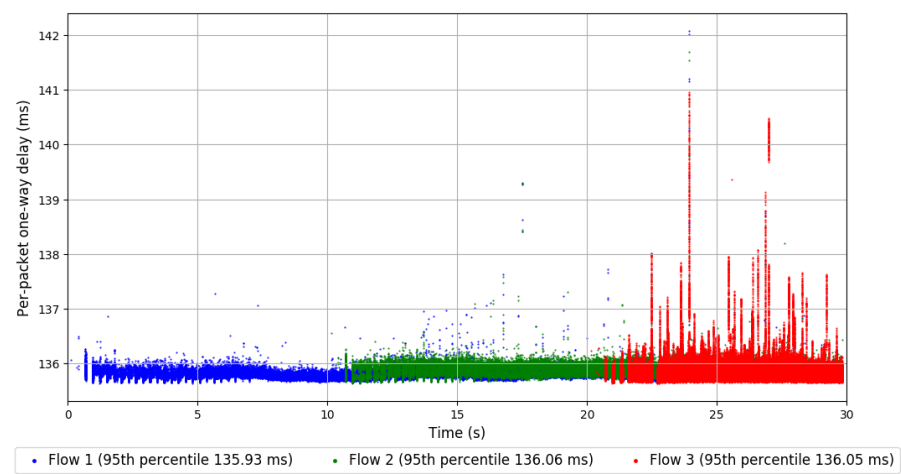
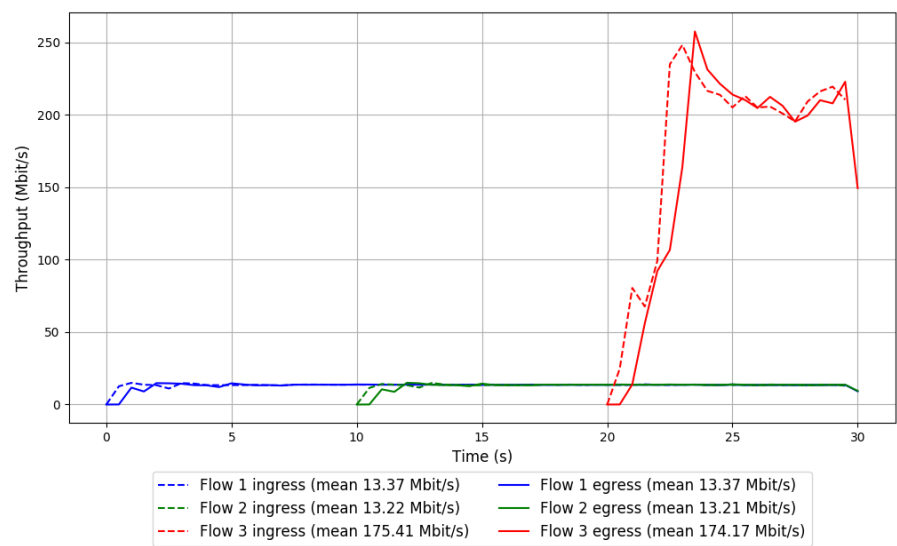


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-11 21:13:46
End at: 2018-08-11 21:14:16
Local clock offset: 0.093 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-08-12 03:59:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.92 Mbit/s
95th percentile per-packet one-way delay: 136.037 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 135.932 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 136.063 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 174.17 Mbit/s
95th percentile per-packet one-way delay: 136.046 ms
Loss rate: 3.43%

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

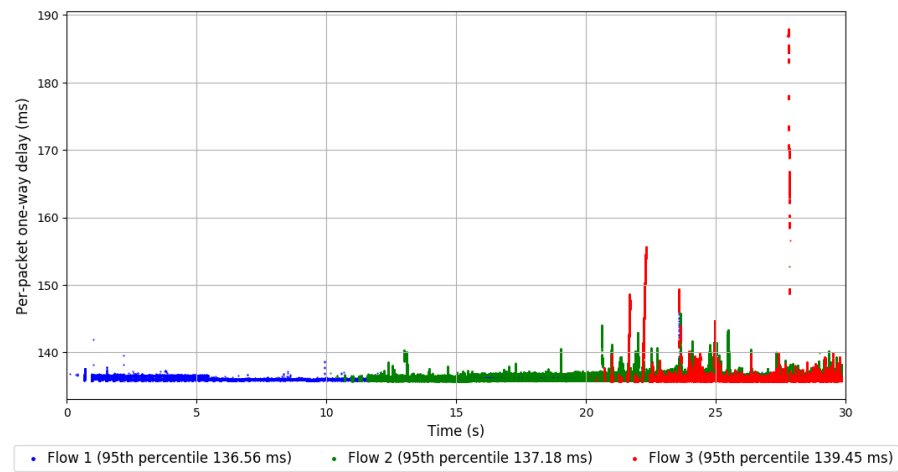
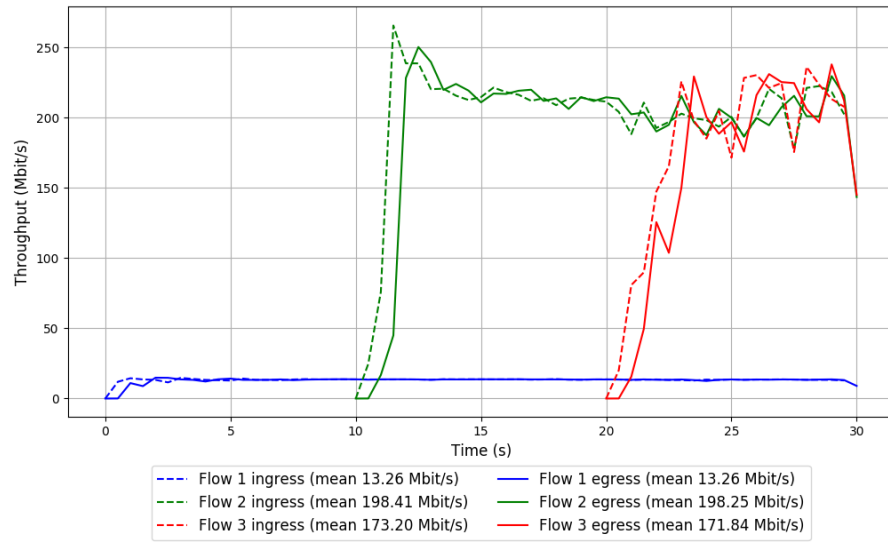


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-11 21:41:38
End at: 2018-08-11 21:42:08
Local clock offset: 0.138 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-08-12 03:59:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.83 Mbit/s
95th percentile per-packet one-way delay: 137.522 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 136.557 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 198.25 Mbit/s
95th percentile per-packet one-way delay: 137.184 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 171.84 Mbit/s
95th percentile per-packet one-way delay: 139.446 ms
Loss rate: 3.45%

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

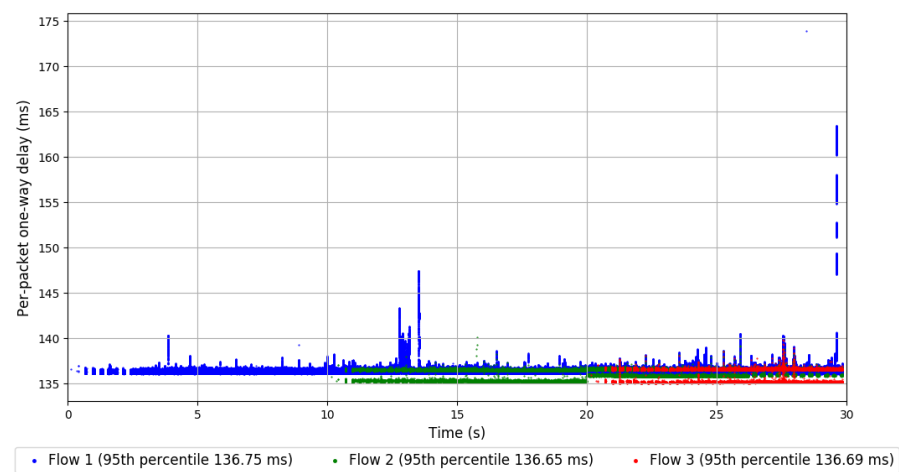
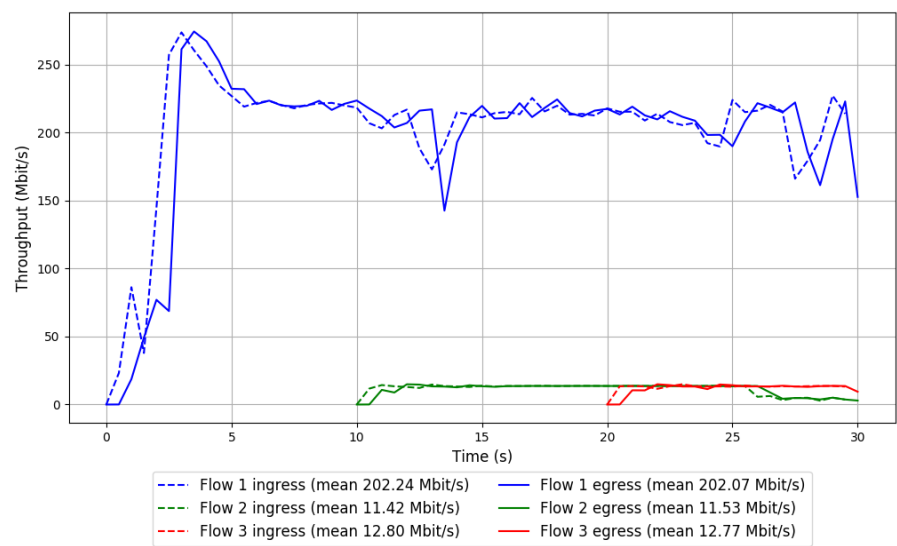


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-11 22:09:33
End at: 2018-08-11 22:10:04
Local clock offset: -0.193 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-08-12 03:59:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 213.87 Mbit/s
95th percentile per-packet one-way delay: 136.740 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 202.07 Mbit/s
95th percentile per-packet one-way delay: 136.747 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 136.652 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 136.690 ms
Loss rate: 2.93%

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

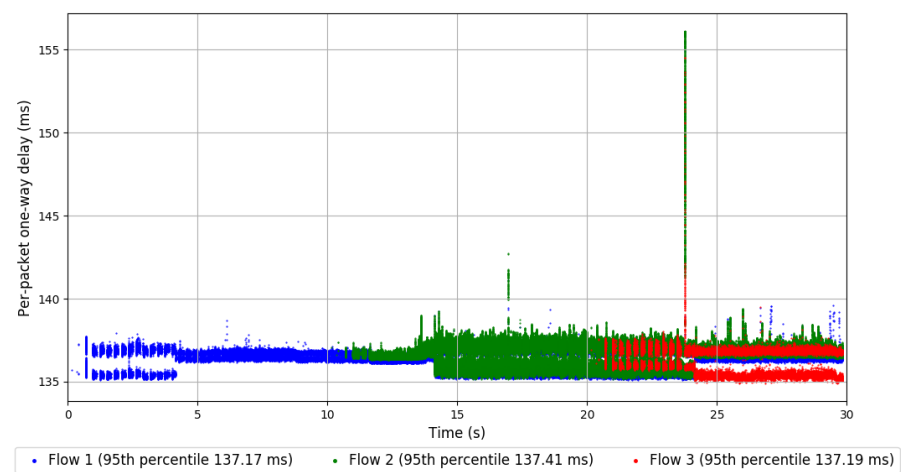
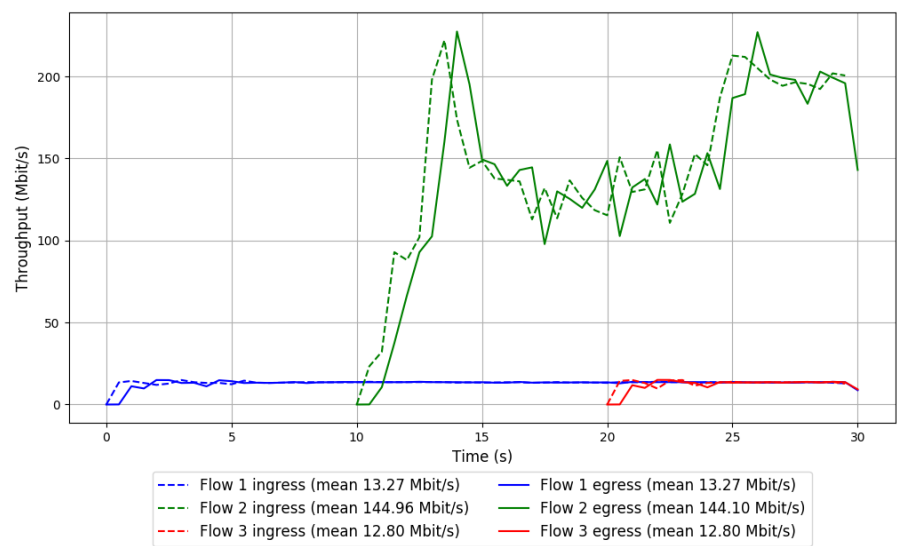


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-11 22:37:29
End at: 2018-08-11 22:37:59
Local clock offset: -0.194 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-12 03:59:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.98 Mbit/s
95th percentile per-packet one-way delay: 137.381 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 137.169 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 144.10 Mbit/s
95th percentile per-packet one-way delay: 137.405 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 137.194 ms
Loss rate: 2.80%

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

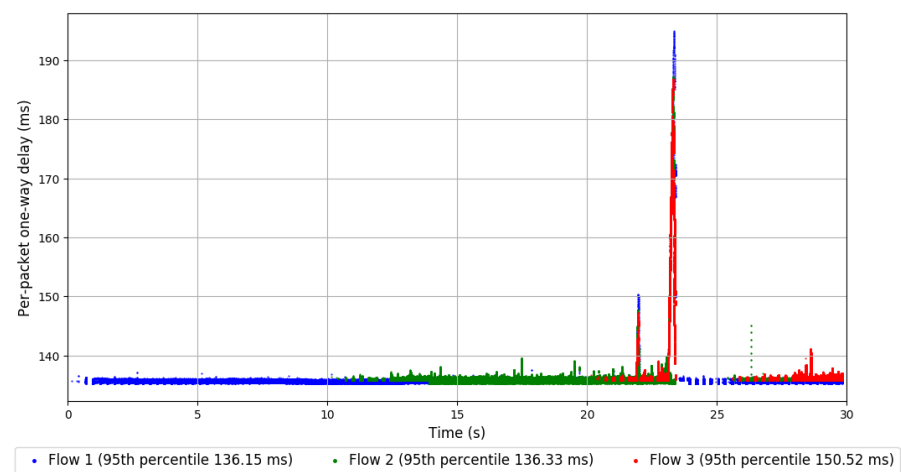
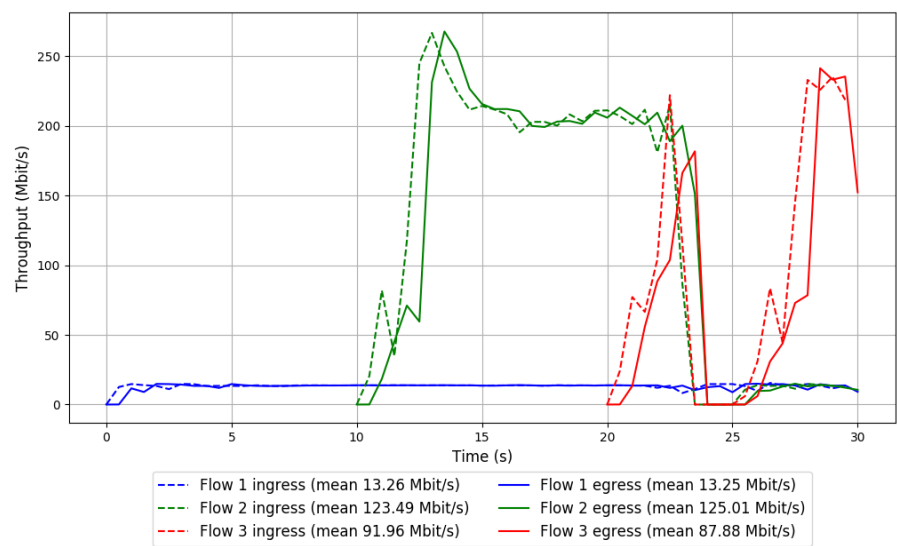


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-11 23:05:10
End at: 2018-08-11 23:05:40
Local clock offset: -0.104 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-08-12 03:59:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.83 Mbit/s
95th percentile per-packet one-way delay: 136.686 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 136.147 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 125.01 Mbit/s
95th percentile per-packet one-way delay: 136.326 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 150.517 ms
Loss rate: 7.03%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-11 23:32:49

End at: 2018-08-11 23:33:19

Local clock offset: 0.031 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-08-12 04:03:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.10 Mbit/s

95th percentile per-packet one-way delay: 135.837 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 199.84 Mbit/s

95th percentile per-packet one-way delay: 135.721 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 135.869 ms

Loss rate: 1.41%

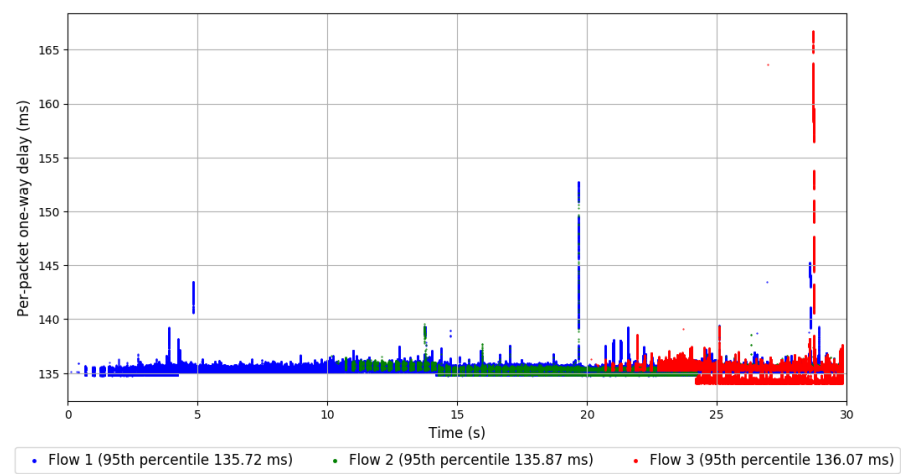
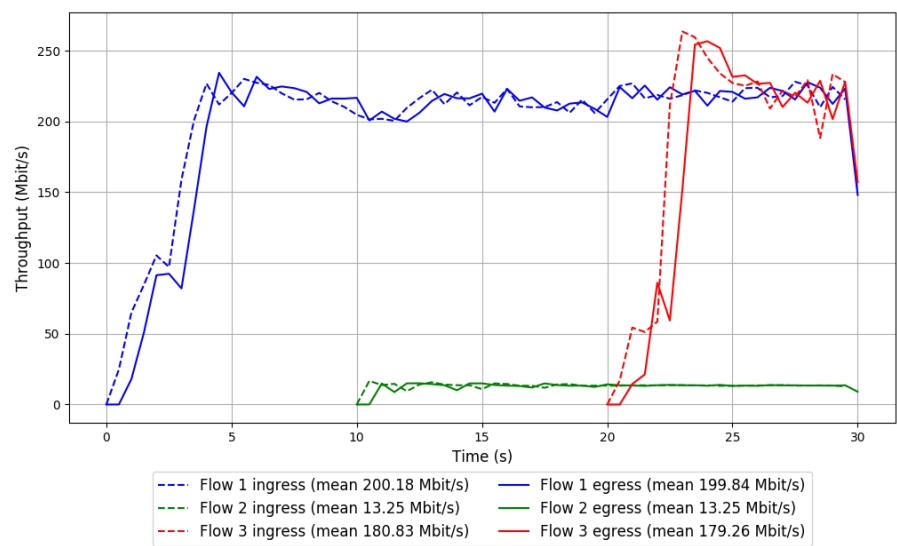
-- Flow 3:

Average throughput: 179.26 Mbit/s

95th percentile per-packet one-way delay: 136.073 ms

Loss rate: 3.58%

Run 7: Report of TaoVA-100x — Data Link

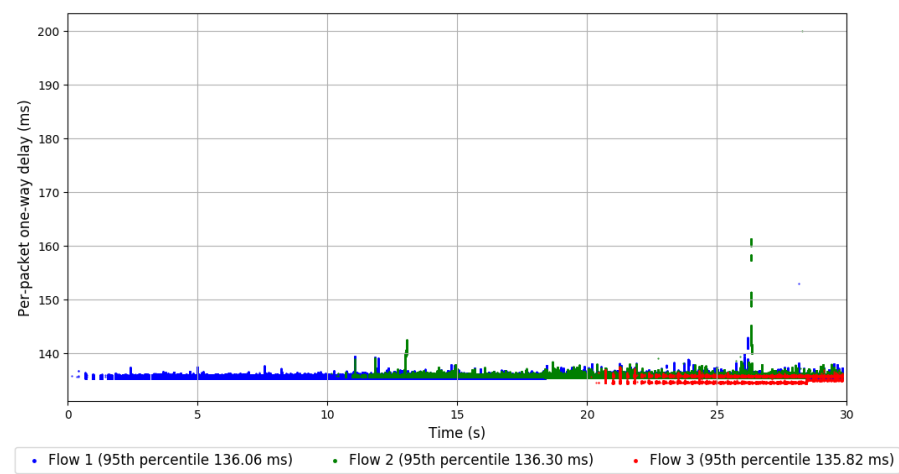
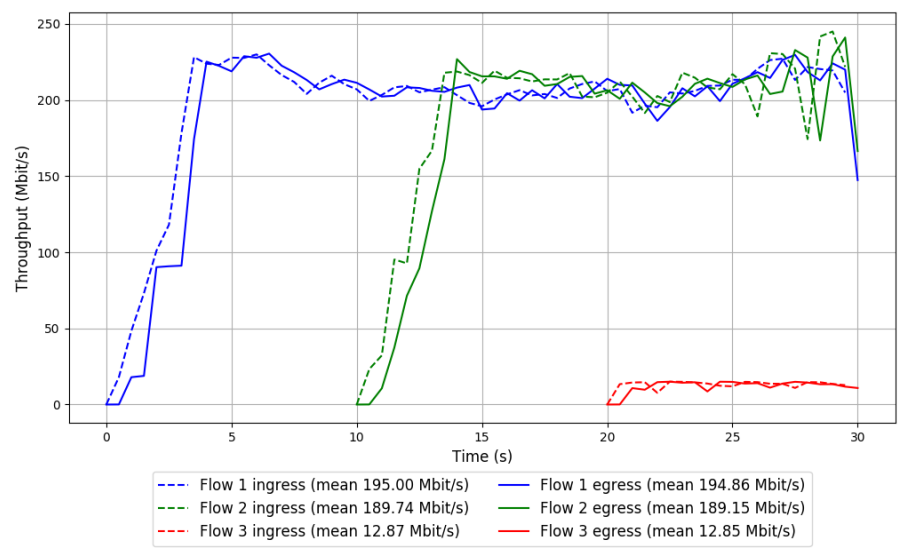


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-12 00:01:15
End at: 2018-08-12 00:01:45
Local clock offset: 0.033 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.44 Mbit/s
95th percentile per-packet one-way delay: 136.147 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 194.86 Mbit/s
95th percentile per-packet one-way delay: 136.062 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 189.15 Mbit/s
95th percentile per-packet one-way delay: 136.298 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 135.819 ms
Loss rate: 2.85%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-12 00:29:48

End at: 2018-08-12 00:30:18

Local clock offset: 0.074 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-08-12 04:07:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 196.92 Mbit/s

95th percentile per-packet one-way delay: 136.057 ms

Loss rate: 2.08%

-- Flow 1:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 135.656 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 198.24 Mbit/s

95th percentile per-packet one-way delay: 136.059 ms

Loss rate: 1.53%

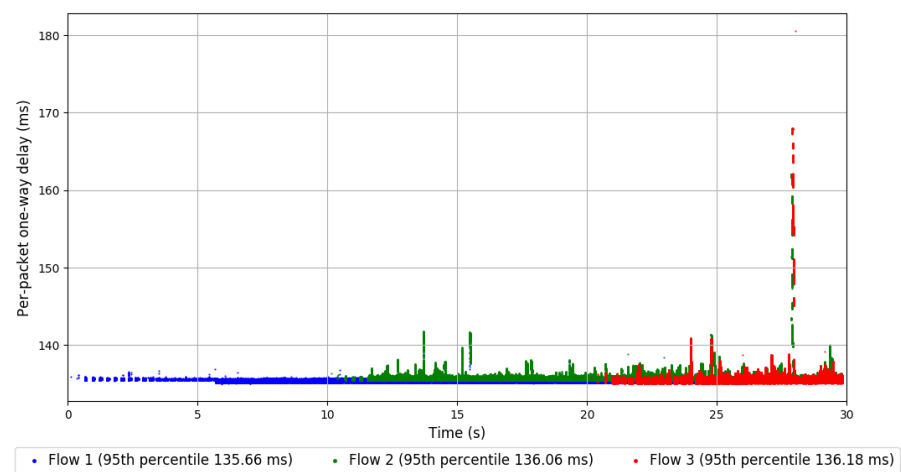
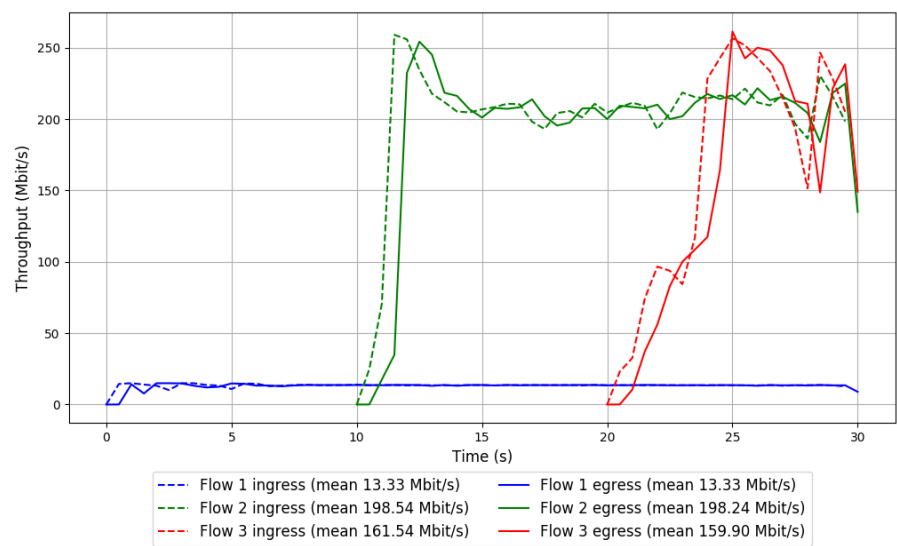
-- Flow 3:

Average throughput: 159.90 Mbit/s

95th percentile per-packet one-way delay: 136.179 ms

Loss rate: 3.74%

Run 9: Report of TaoVA-100x — Data Link

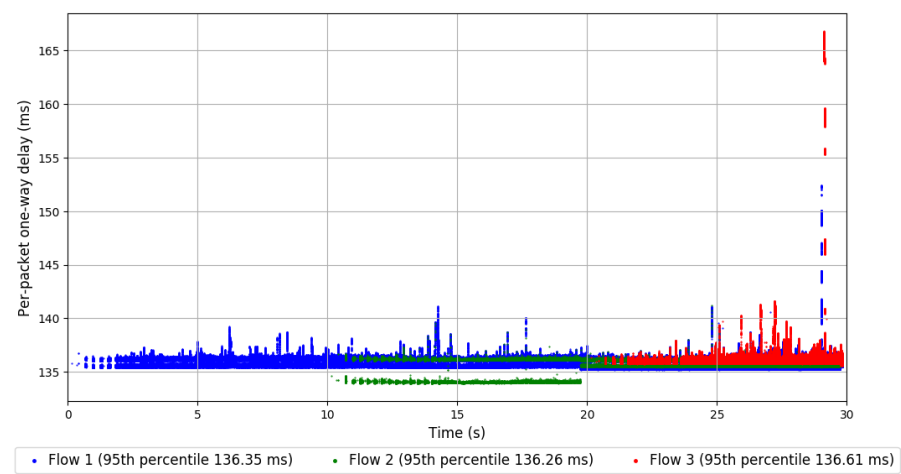
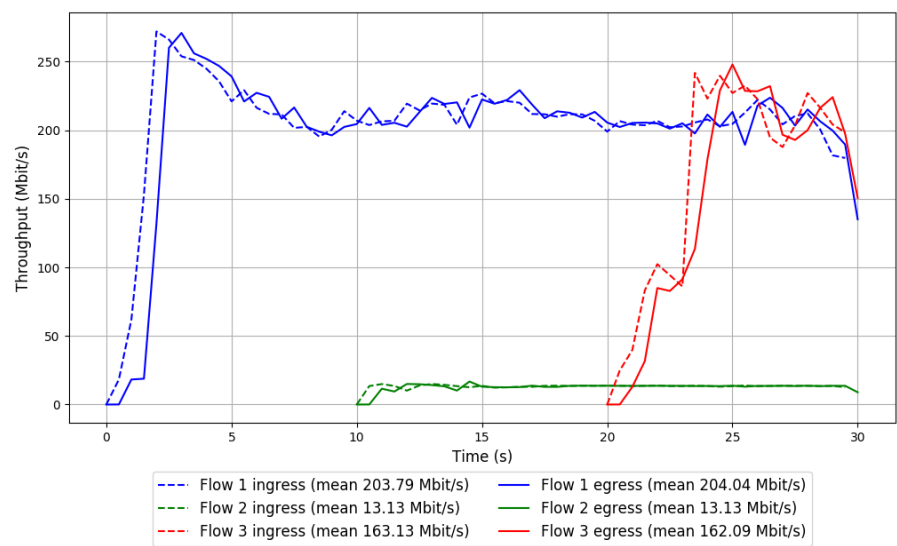


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-12 00:57:44
End at: 2018-08-12 00:58:14
Local clock offset: -0.187 ms
Remote clock offset: 0.272 ms

# Below is generated by plot.py at 2018-08-12 04:07:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 265.59 Mbit/s
95th percentile per-packet one-way delay: 136.381 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 204.04 Mbit/s
95th percentile per-packet one-way delay: 136.350 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 136.258 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 162.09 Mbit/s
95th percentile per-packet one-way delay: 136.608 ms
Loss rate: 3.37%
```

Run 10: Report of TaoVA-100x — Data Link

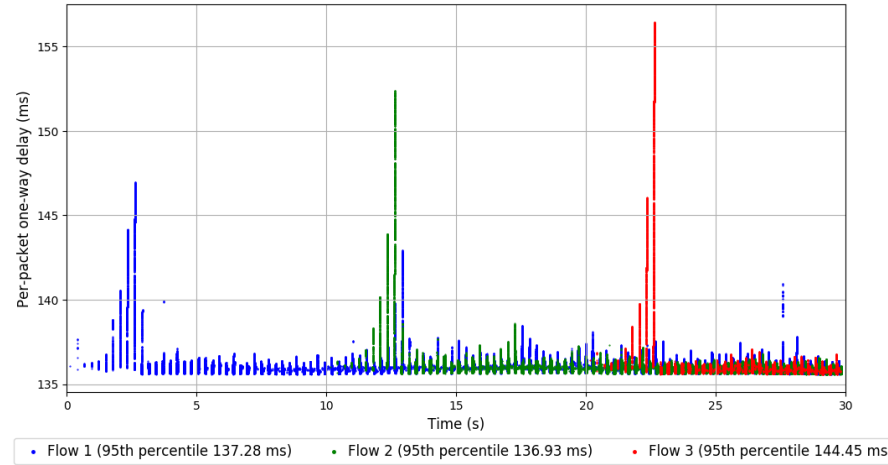
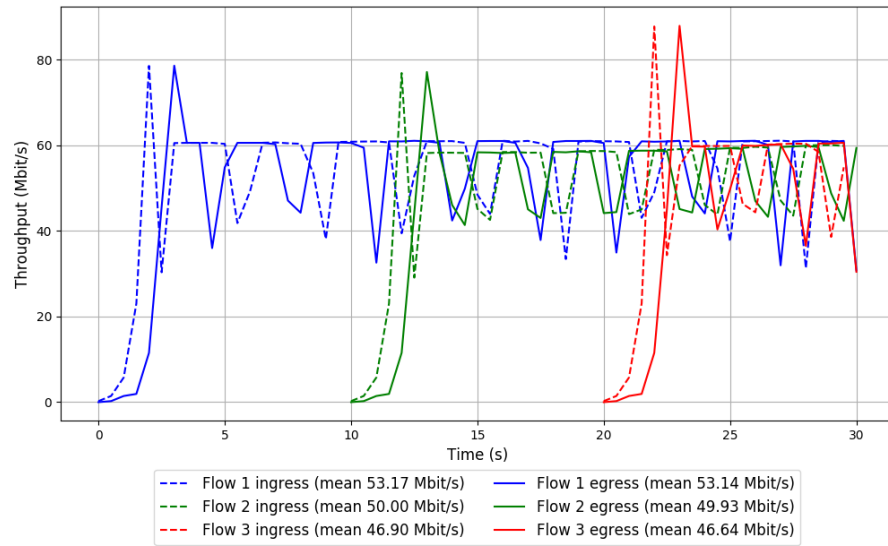


Run 1: Statistics of TCP Vegas

Start at: 2018-08-11 20:59:17
End at: 2018-08-11 20:59:47
Local clock offset: 0.029 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.41 Mbit/s
95th percentile per-packet one-way delay: 137.522 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 53.14 Mbit/s
95th percentile per-packet one-way delay: 137.285 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 136.929 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 144.452 ms
Loss rate: 3.26%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-11 21:26:56

End at: 2018-08-11 21:27:26

Local clock offset: 0.233 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-08-12 04:07:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 123.99 Mbit/s

95th percentile per-packet one-way delay: 138.782 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 52.93 Mbit/s

95th percentile per-packet one-way delay: 137.215 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 84.91 Mbit/s

95th percentile per-packet one-way delay: 137.625 ms

Loss rate: 1.52%

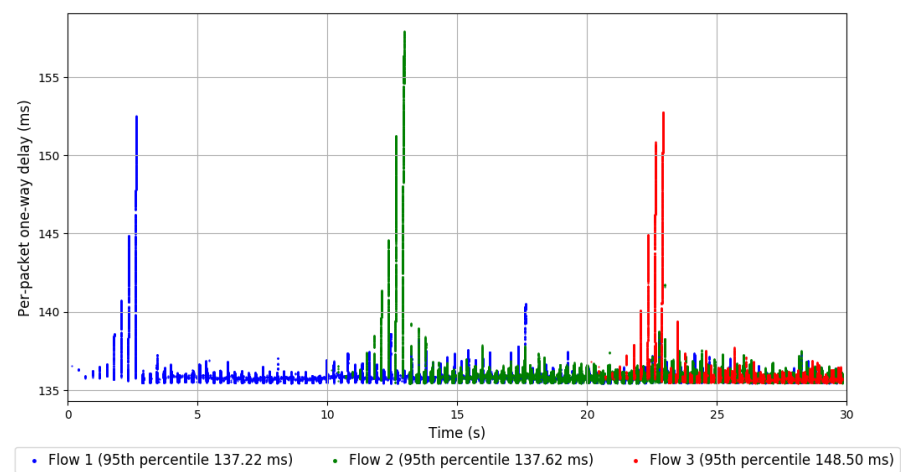
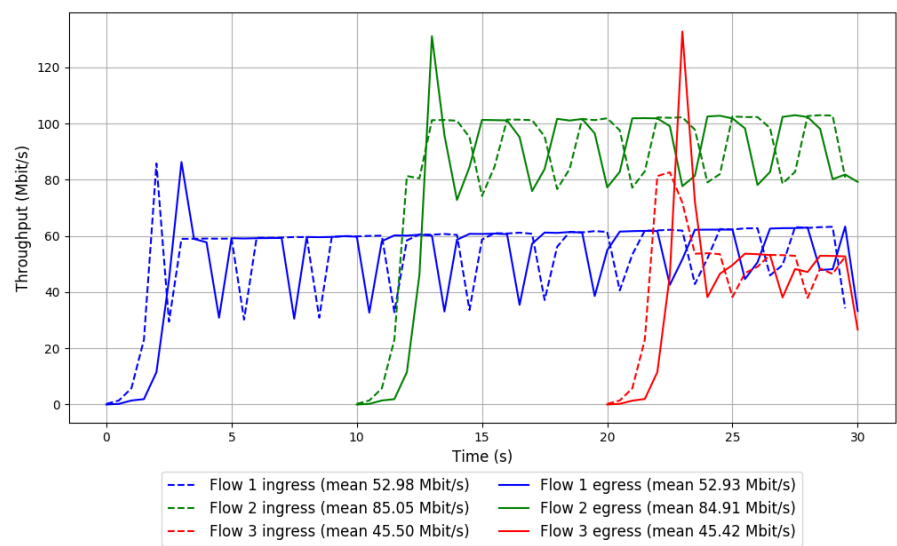
-- Flow 3:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 148.503 ms

Loss rate: 2.91%

Run 2: Report of TCP Vegas — Data Link

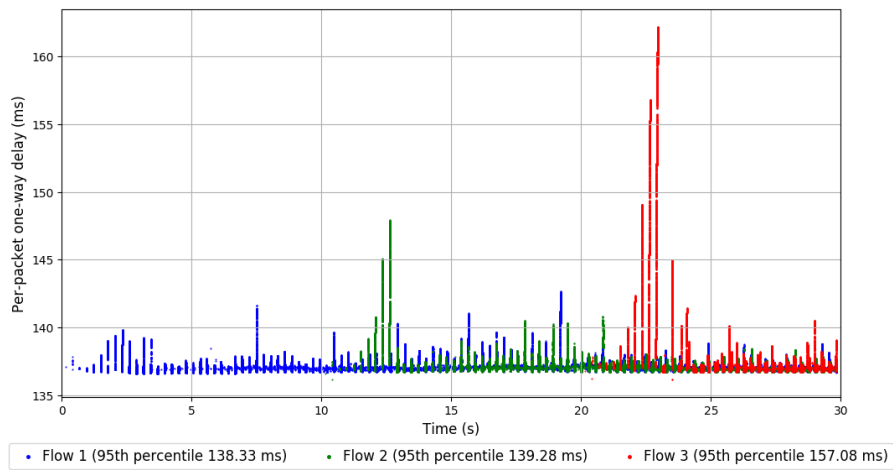
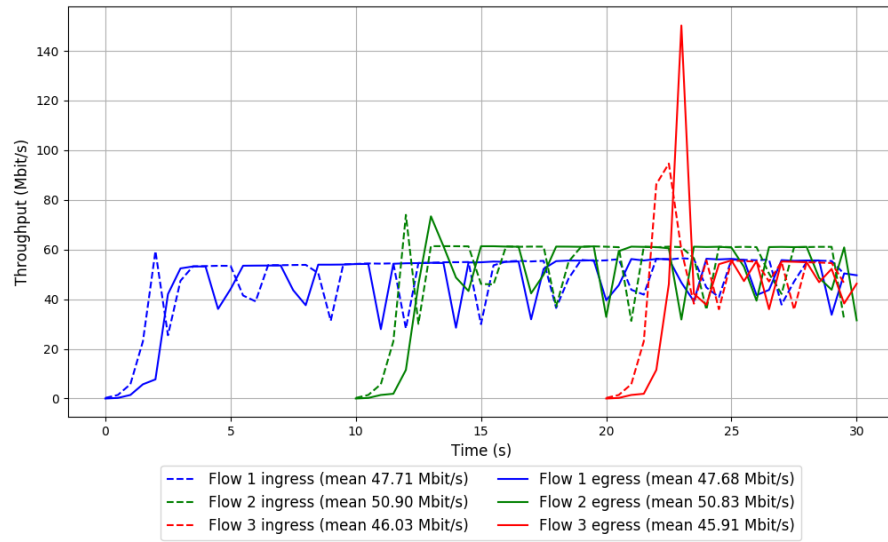


Run 3: Statistics of TCP Vegas

Start at: 2018-08-11 21:54:57
End at: 2018-08-11 21:55:27
Local clock offset: 0.128 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 140.002 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 138.328 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 139.280 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 45.91 Mbit/s
95th percentile per-packet one-way delay: 157.082 ms
Loss rate: 2.98%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-11 22:22:52

End at: 2018-08-11 22:23:22

Local clock offset: -0.232 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-08-12 04:07:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.75 Mbit/s

95th percentile per-packet one-way delay: 138.314 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 137.741 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 45.54 Mbit/s

95th percentile per-packet one-way delay: 142.532 ms

Loss rate: 1.42%

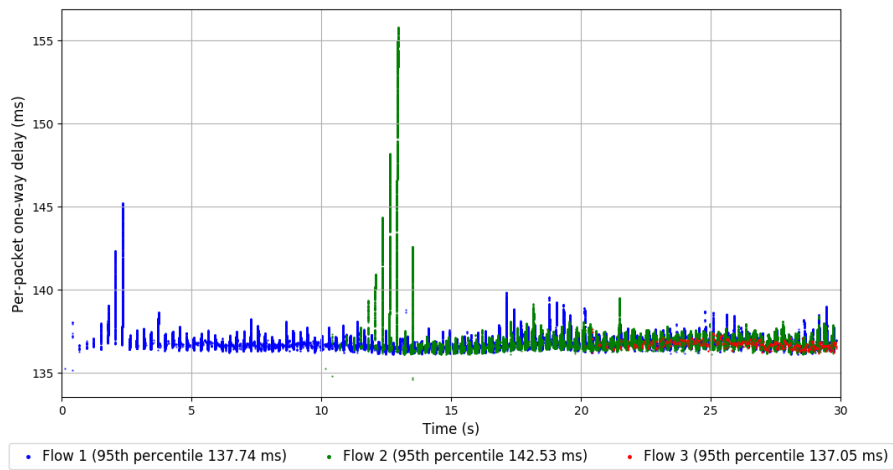
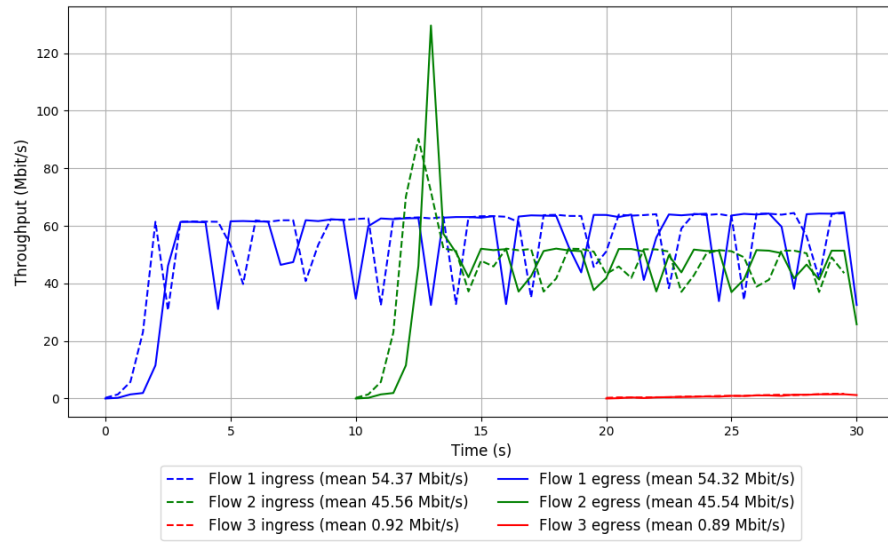
-- Flow 3:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 137.052 ms

Loss rate: 5.63%

Run 4: Report of TCP Vegas — Data Link

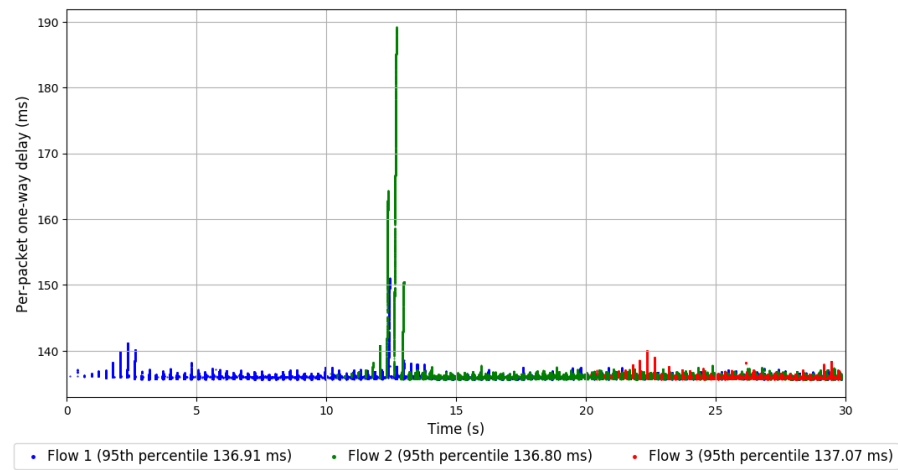
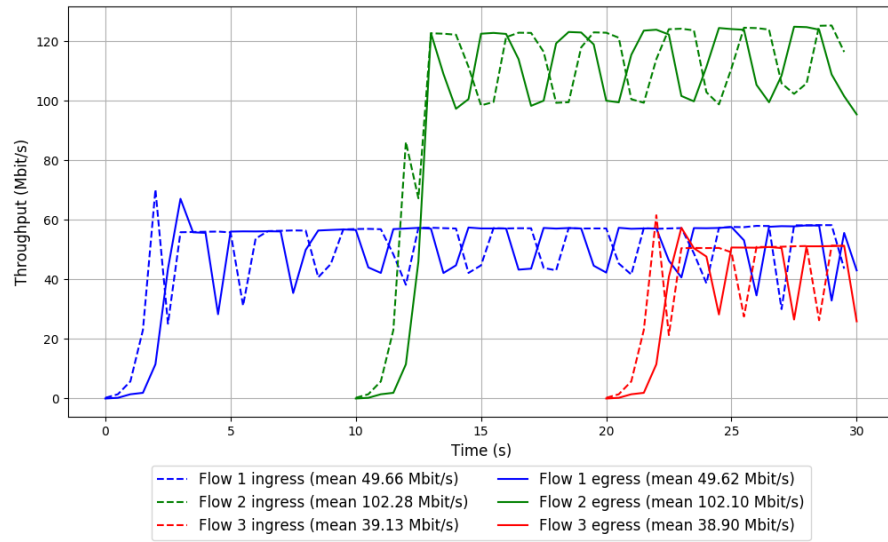


Run 5: Statistics of TCP Vegas

Start at: 2018-08-11 22:50:35
End at: 2018-08-11 22:51:05
Local clock offset: -0.172 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.95 Mbit/s
95th percentile per-packet one-way delay: 136.890 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 49.62 Mbit/s
95th percentile per-packet one-way delay: 136.909 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 102.10 Mbit/s
95th percentile per-packet one-way delay: 136.804 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 137.067 ms
Loss rate: 3.33%

Run 5: Report of TCP Vegas — Data Link

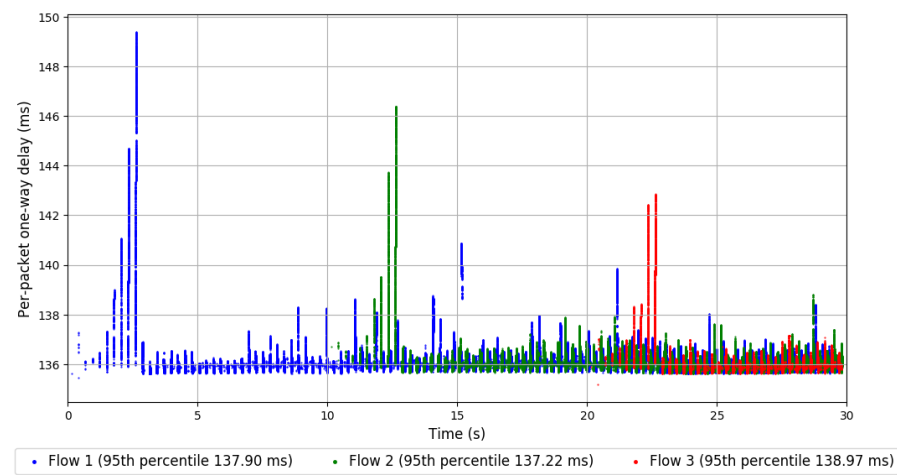
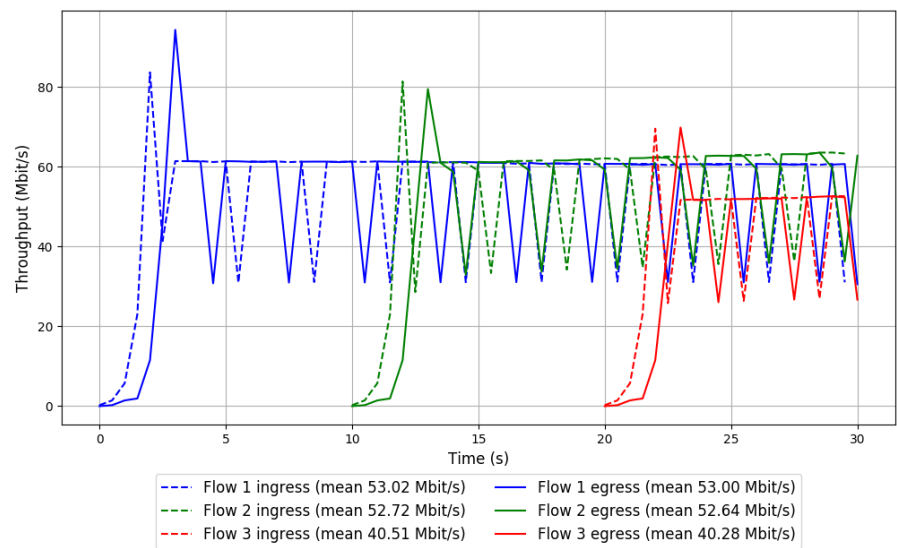


Run 6: Statistics of TCP Vegas

Start at: 2018-08-11 23:18:23
End at: 2018-08-11 23:18:53
Local clock offset: -0.067 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.99 Mbit/s
95th percentile per-packet one-way delay: 137.767 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 137.900 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 52.64 Mbit/s
95th percentile per-packet one-way delay: 137.217 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 138.968 ms
Loss rate: 3.28%

Run 6: Report of TCP Vegas — Data Link

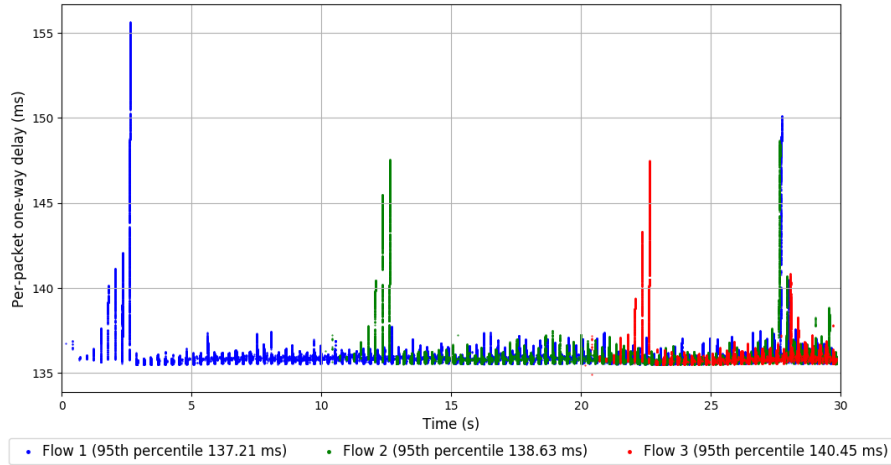
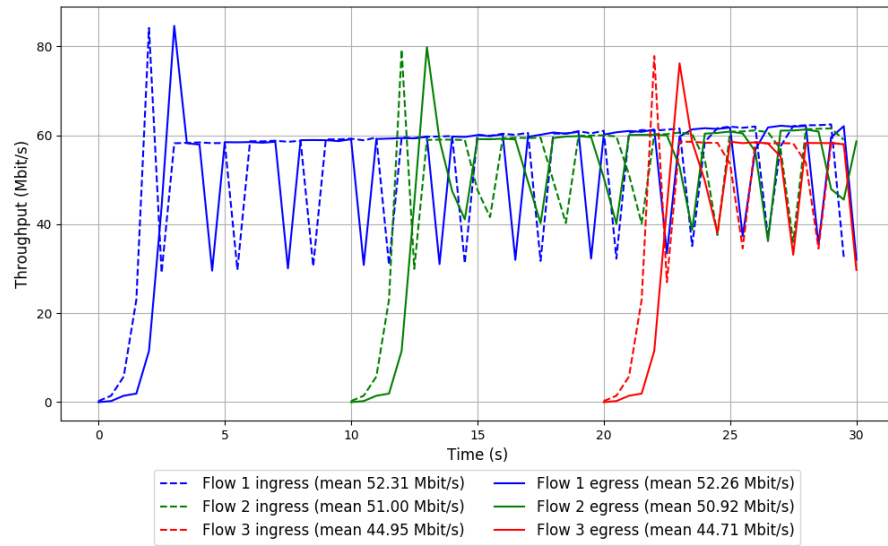


Run 7: Statistics of TCP Vegas

Start at: 2018-08-11 23:46:41
End at: 2018-08-11 23:47:11
Local clock offset: -0.086 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.58 Mbit/s
95th percentile per-packet one-way delay: 138.304 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 52.26 Mbit/s
95th percentile per-packet one-way delay: 137.206 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 138.634 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 44.71 Mbit/s
95th percentile per-packet one-way delay: 140.449 ms
Loss rate: 3.25%

Run 7: Report of TCP Vegas — Data Link

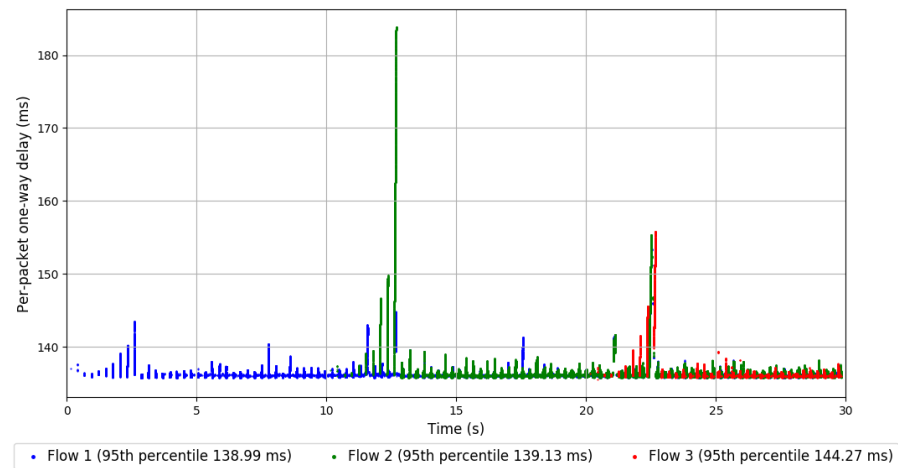
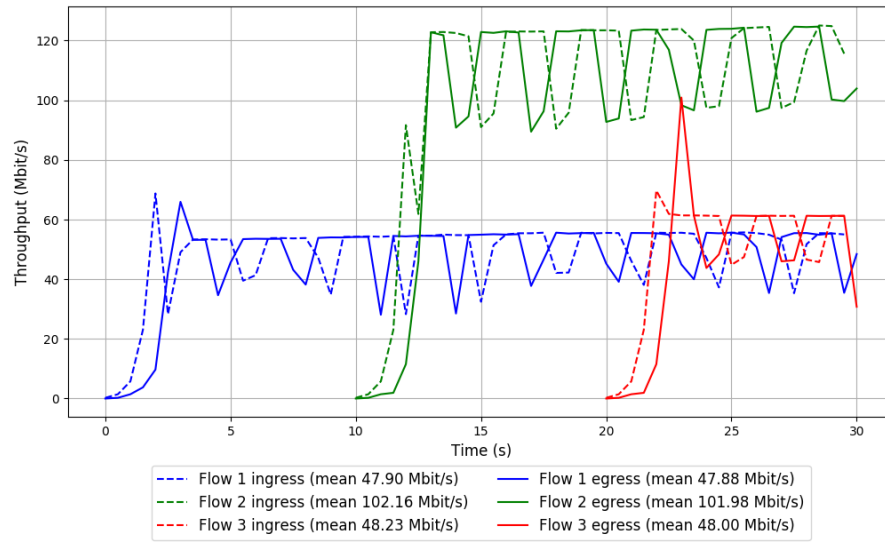


Run 8: Statistics of TCP Vegas

Start at: 2018-08-12 00:15:11
End at: 2018-08-12 00:15:41
Local clock offset: 0.247 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 131.12 Mbit/s
95th percentile per-packet one-way delay: 139.528 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 138.993 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 101.98 Mbit/s
95th percentile per-packet one-way delay: 139.132 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 48.00 Mbit/s
95th percentile per-packet one-way delay: 144.273 ms
Loss rate: 3.20%

Run 8: Report of TCP Vegas — Data Link

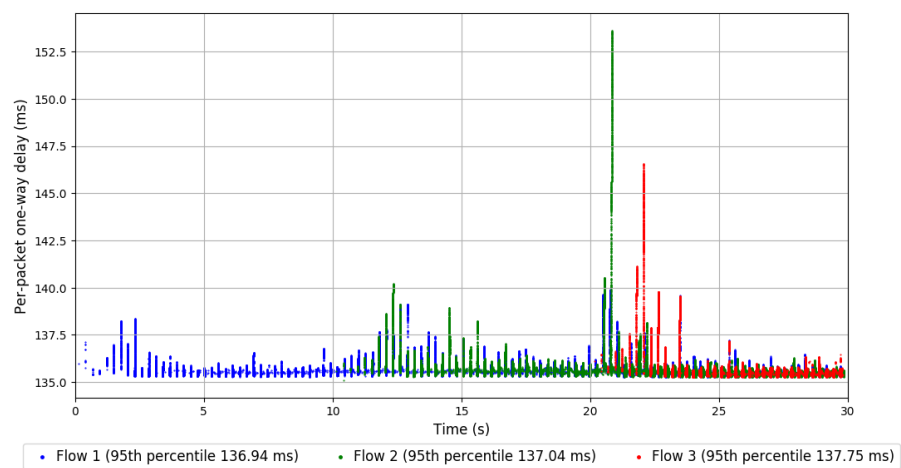
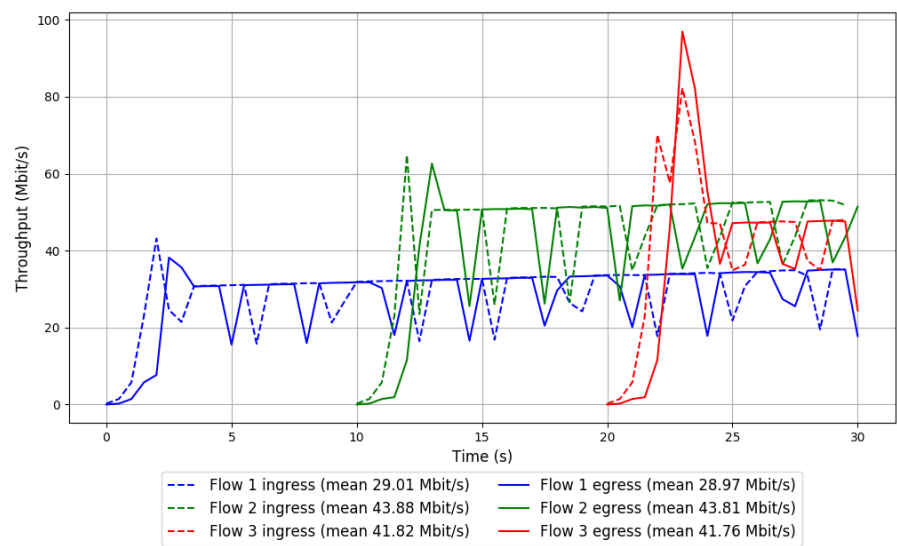


Run 9: Statistics of TCP Vegas

Start at: 2018-08-12 00:43:12
End at: 2018-08-12 00:43:42
Local clock offset: -0.074 ms
Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 137.218 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 136.937 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 43.81 Mbit/s
95th percentile per-packet one-way delay: 137.040 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 137.746 ms
Loss rate: 2.89%

Run 9: Report of TCP Vegas — Data Link

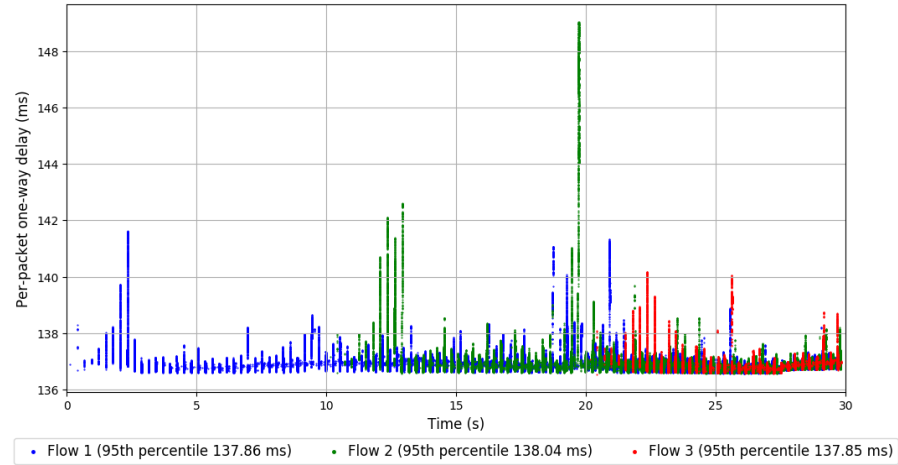
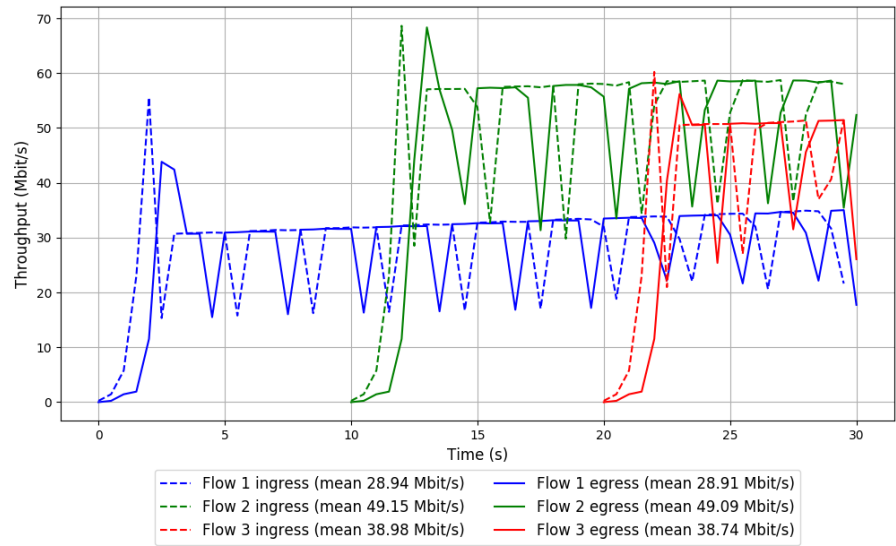


Run 10: Statistics of TCP Vegas

Start at: 2018-08-12 01:11:26
End at: 2018-08-12 01:11:56
Local clock offset: 0.047 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 137.938 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 137.858 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 49.09 Mbit/s
95th percentile per-packet one-way delay: 138.038 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 137.850 ms
Loss rate: 3.33%

Run 10: Report of TCP Vegas — Data Link

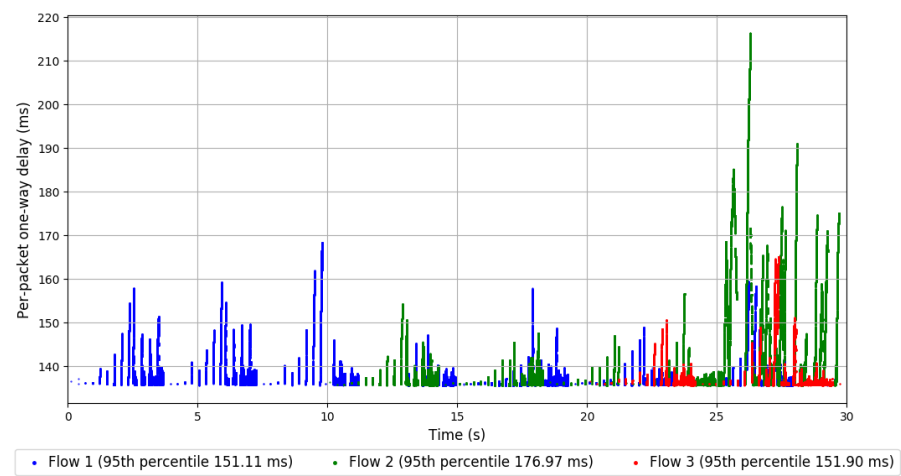
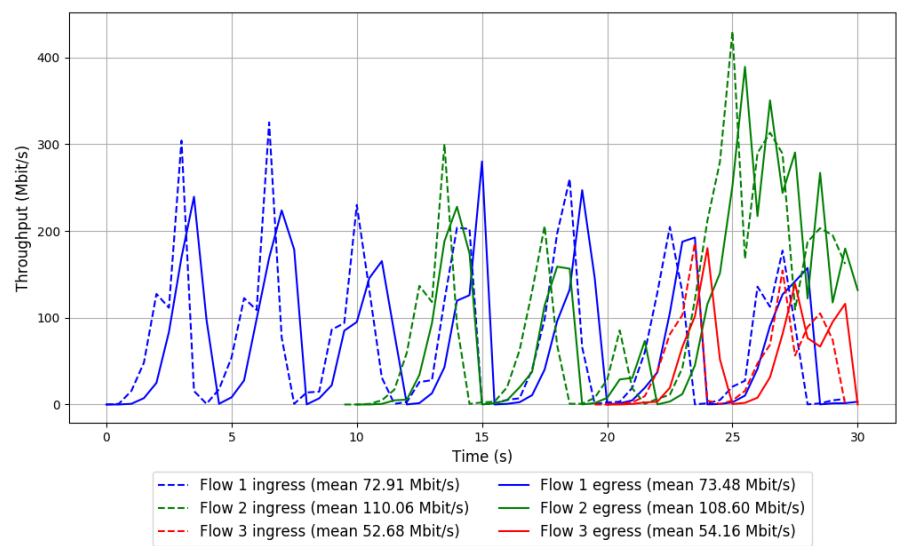


Run 1: Statistics of Verus

Start at: 2018-08-11 20:54:19
End at: 2018-08-11 20:54:49
Local clock offset: -0.037 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.43 Mbit/s
95th percentile per-packet one-way delay: 167.432 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 73.48 Mbit/s
95th percentile per-packet one-way delay: 151.106 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 108.60 Mbit/s
95th percentile per-packet one-way delay: 176.968 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 54.16 Mbit/s
95th percentile per-packet one-way delay: 151.901 ms
Loss rate: 0.01%

Run 1: Report of Verus — Data Link

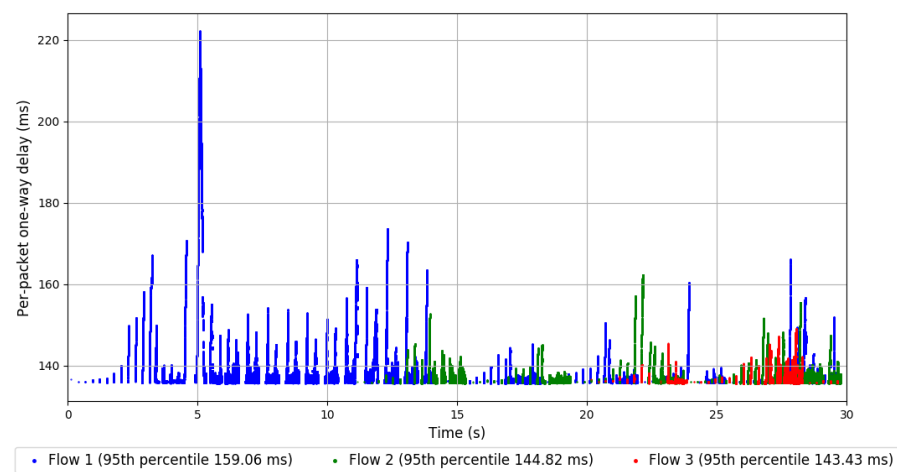
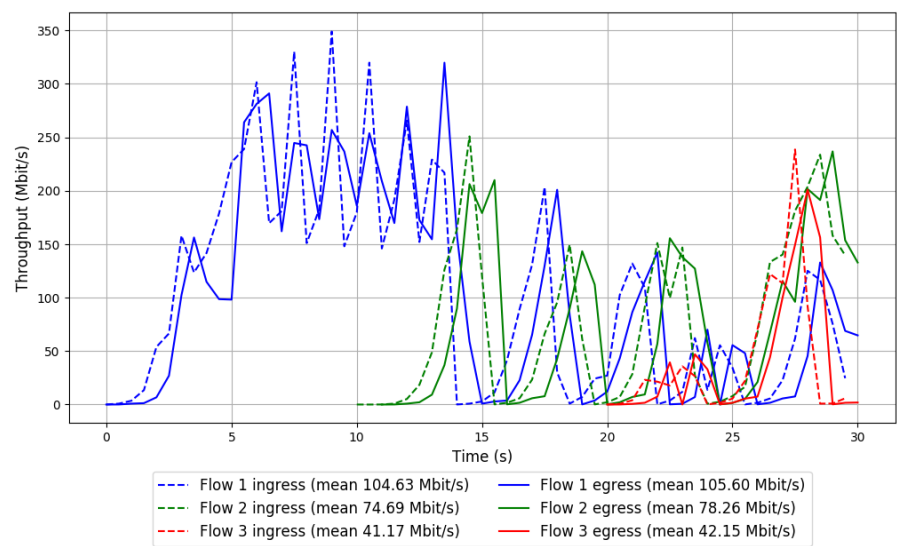


Run 2: Statistics of Verus

Start at: 2018-08-11 21:21:56
End at: 2018-08-11 21:22:26
Local clock offset: 0.129 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-08-12 04:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.08 Mbit/s
95th percentile per-packet one-way delay: 154.439 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 105.60 Mbit/s
95th percentile per-packet one-way delay: 159.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.26 Mbit/s
95th percentile per-packet one-way delay: 144.816 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 143.430 ms
Loss rate: 0.49%

Run 2: Report of Verus — Data Link

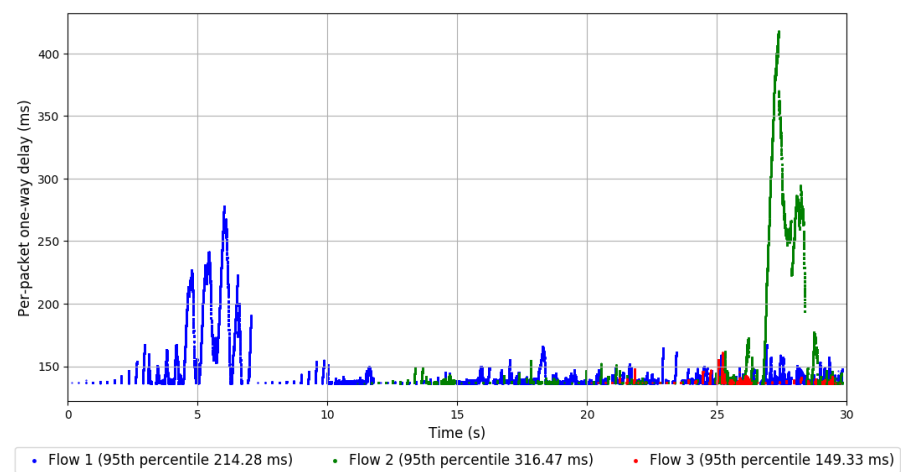
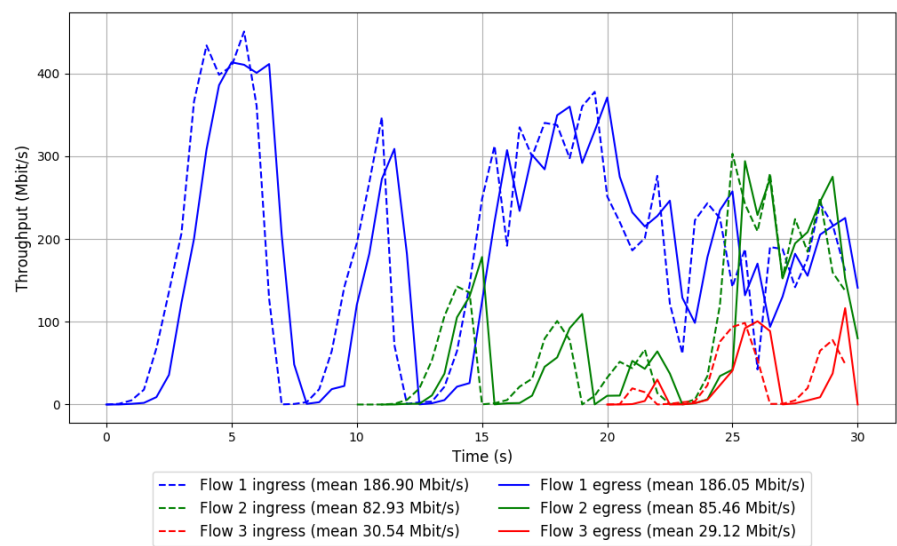


Run 3: Statistics of Verus

Start at: 2018-08-11 21:49:58
End at: 2018-08-11 21:50:28
Local clock offset: -0.072 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-08-12 04:08:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.21 Mbit/s
95th percentile per-packet one-way delay: 238.333 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 186.05 Mbit/s
95th percentile per-packet one-way delay: 214.285 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 316.466 ms
Loss rate: 3.53%
-- Flow 3:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 149.328 ms
Loss rate: 8.08%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-11 22:17:47

End at: 2018-08-11 22:18:17

Local clock offset: -0.208 ms

Remote clock offset: 0.173 ms

Below is generated by plot.py at 2018-08-12 04:08:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.00 Mbit/s

95th percentile per-packet one-way delay: 232.402 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 160.264 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 158.72 Mbit/s

95th percentile per-packet one-way delay: 237.807 ms

Loss rate: 1.98%

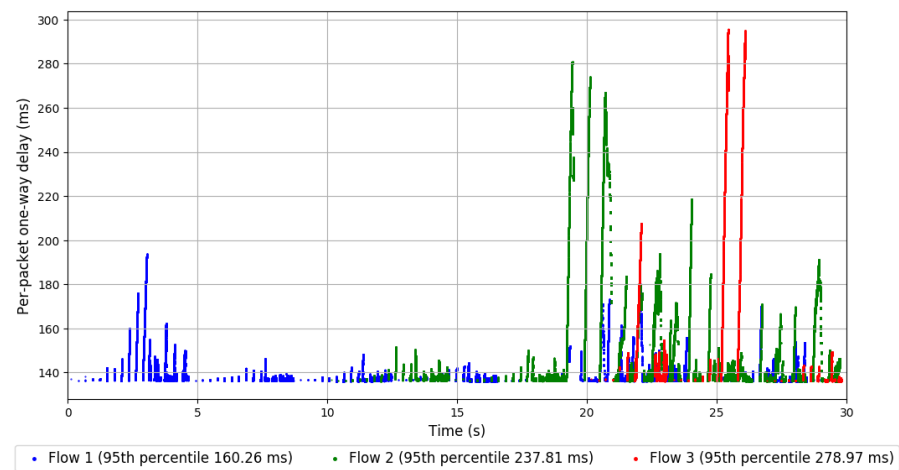
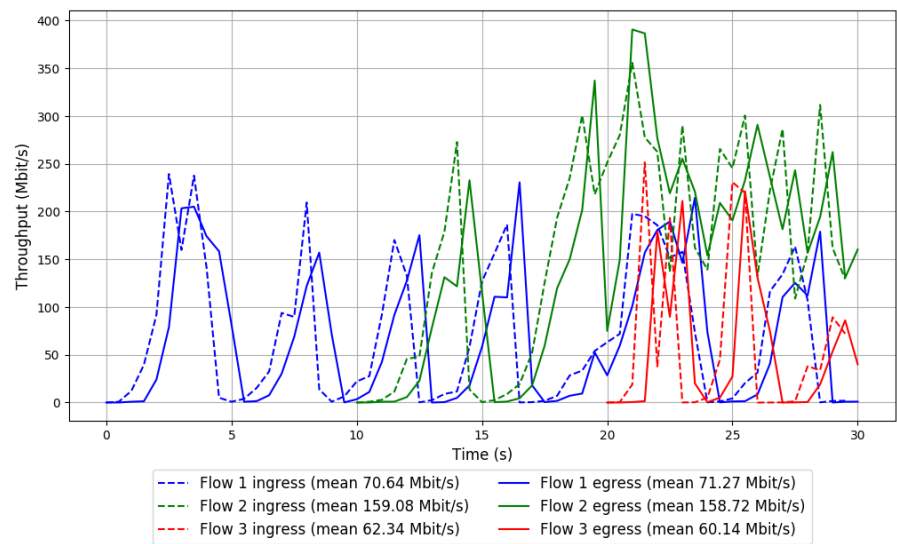
-- Flow 3:

Average throughput: 60.14 Mbit/s

95th percentile per-packet one-way delay: 278.971 ms

Loss rate: 6.23%

Run 4: Report of Verus — Data Link

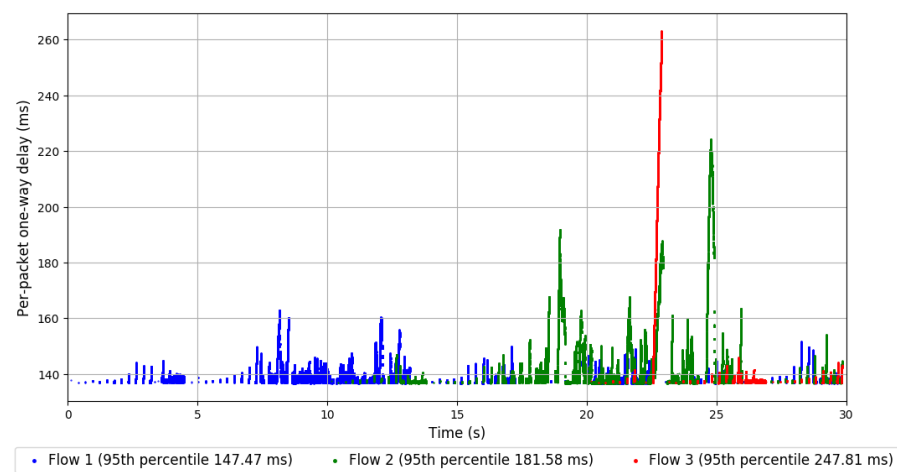
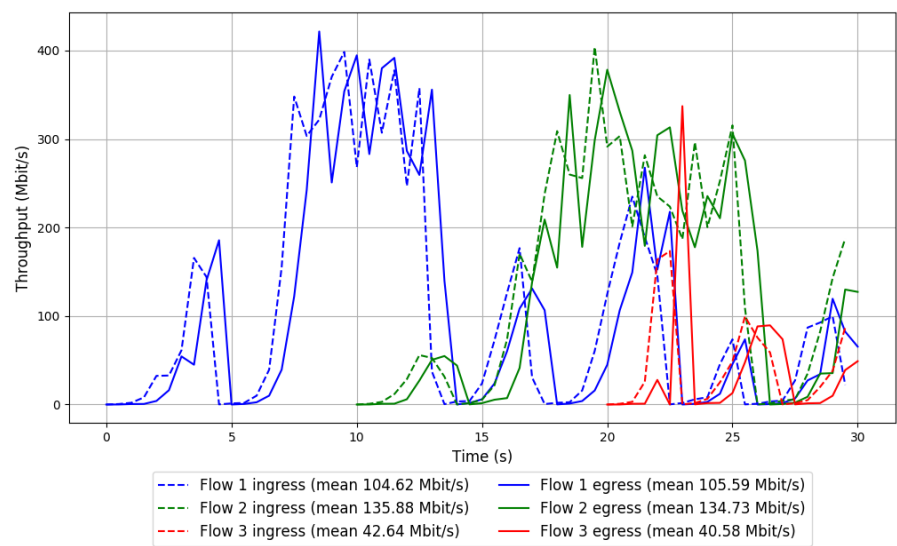


Run 5: Statistics of Verus

Start at: 2018-08-11 22:45:38
End at: 2018-08-11 22:46:08
Local clock offset: -0.099 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-12 04:08:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.80 Mbit/s
95th percentile per-packet one-way delay: 174.690 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 105.59 Mbit/s
95th percentile per-packet one-way delay: 147.467 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.73 Mbit/s
95th percentile per-packet one-way delay: 181.582 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 247.815 ms
Loss rate: 6.03%

Run 5: Report of Verus — Data Link

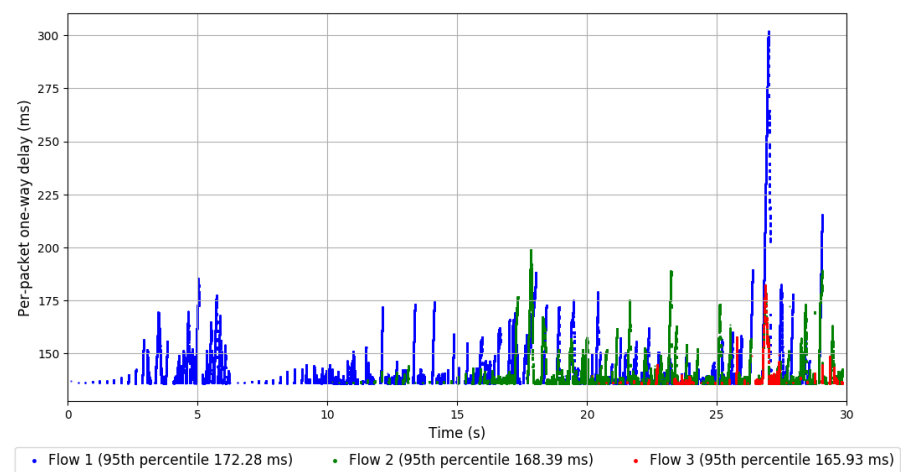
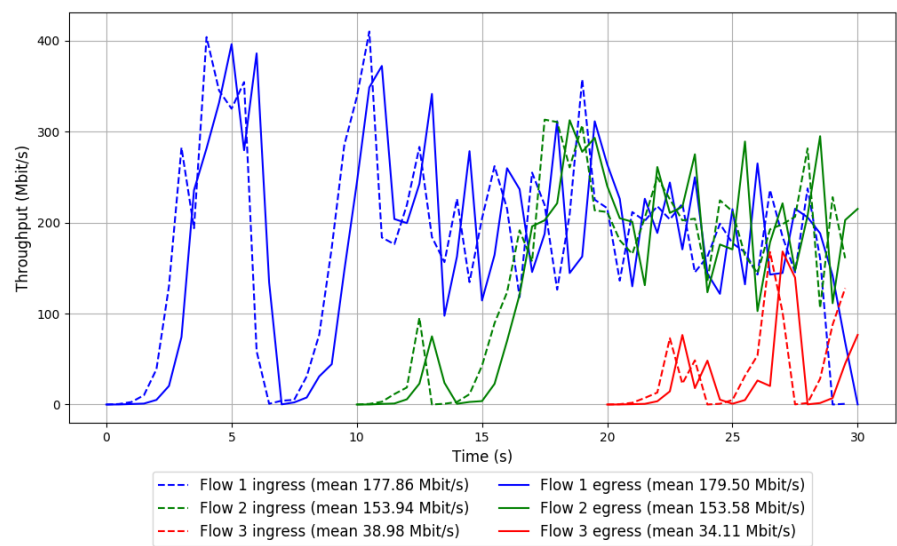


Run 6: Statistics of Verus

Start at: 2018-08-11 23:13:17
End at: 2018-08-11 23:13:47
Local clock offset: -0.127 ms
Remote clock offset: -0.577 ms

Below is generated by plot.py at 2018-08-12 04:09:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.11 Mbit/s
95th percentile per-packet one-way delay: 170.587 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 179.50 Mbit/s
95th percentile per-packet one-way delay: 172.279 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 153.58 Mbit/s
95th percentile per-packet one-way delay: 168.387 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 165.925 ms
Loss rate: 14.91%

Run 6: Report of Verus — Data Link

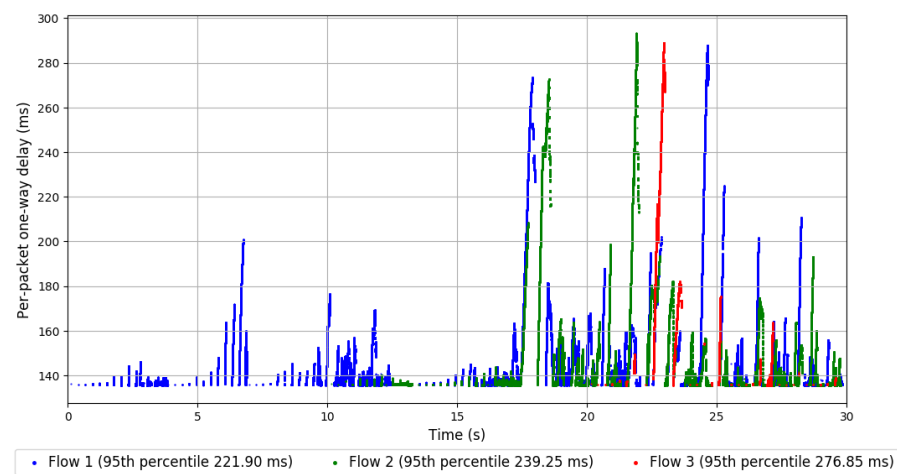
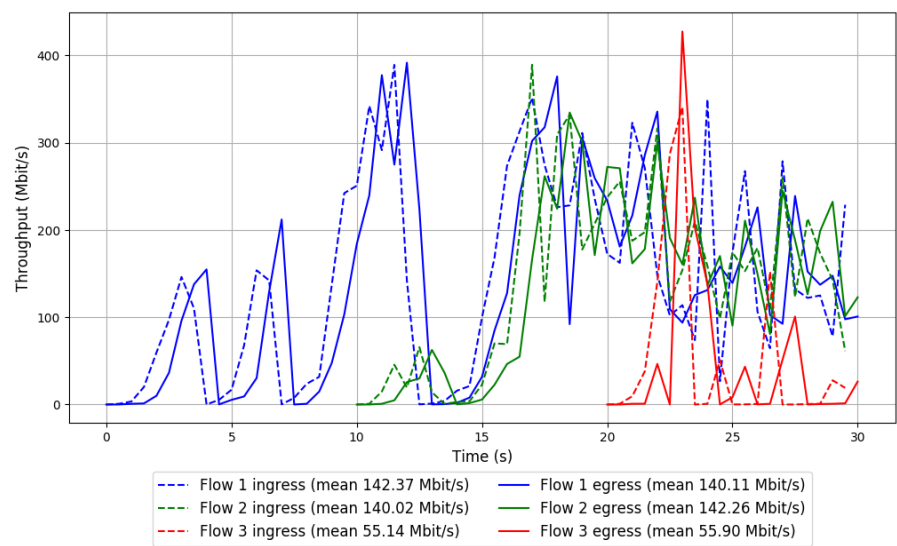


Run 7: Statistics of Verus

Start at: 2018-08-11 23:41:30
End at: 2018-08-11 23:42:00
Local clock offset: -0.034 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-08-12 04:10:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.79 Mbit/s
95th percentile per-packet one-way delay: 238.315 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 140.11 Mbit/s
95th percentile per-packet one-way delay: 221.904 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 142.26 Mbit/s
95th percentile per-packet one-way delay: 239.245 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 276.848 ms
Loss rate: 1.78%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-12 00:09:57

End at: 2018-08-12 00:10:27

Local clock offset: 0.042 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-08-12 04:12:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 360.93 Mbit/s

95th percentile per-packet one-way delay: 246.380 ms

Loss rate: 2.86%

-- Flow 1:

Average throughput: 226.03 Mbit/s

95th percentile per-packet one-way delay: 242.502 ms

Loss rate: 2.71%

-- Flow 2:

Average throughput: 188.93 Mbit/s

95th percentile per-packet one-way delay: 256.669 ms

Loss rate: 0.49%

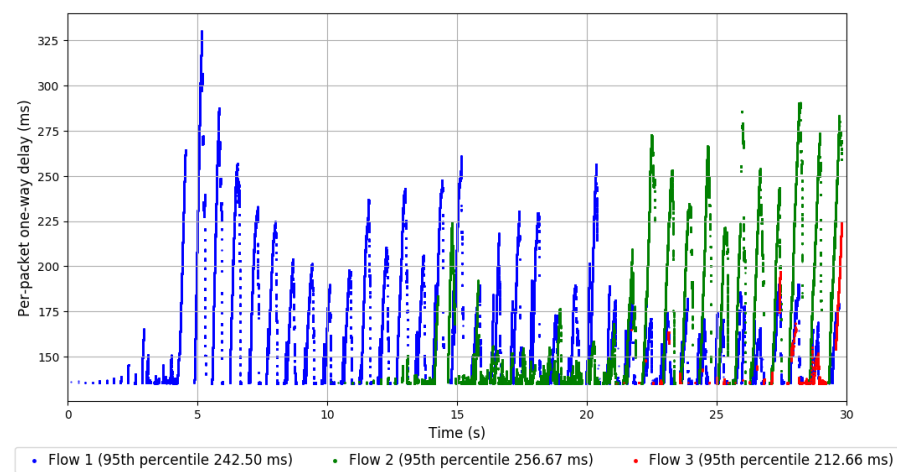
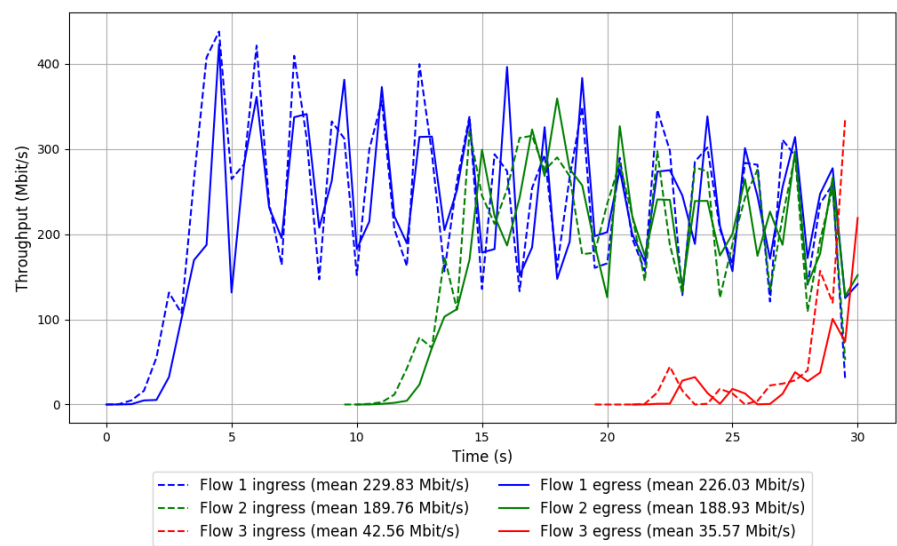
-- Flow 3:

Average throughput: 35.57 Mbit/s

95th percentile per-packet one-way delay: 212.662 ms

Loss rate: 26.47%

Run 8: Report of Verus — Data Link

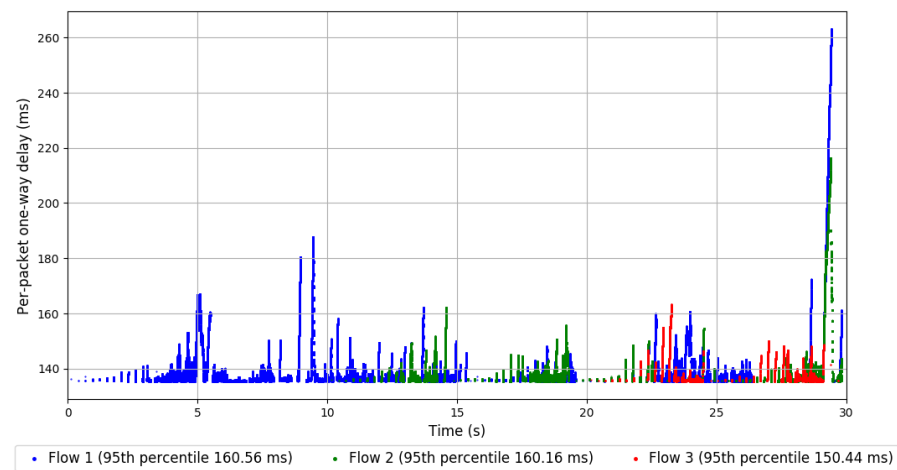
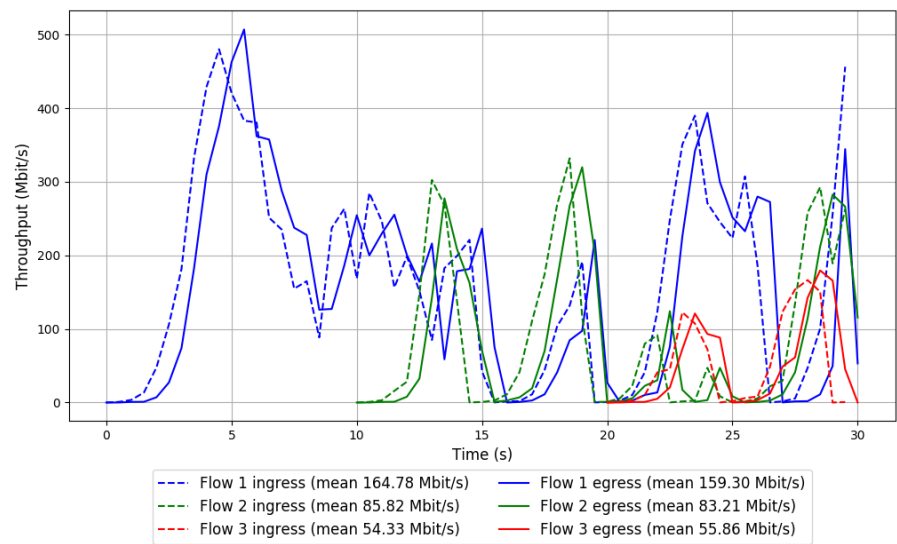


Run 9: Statistics of Verus

Start at: 2018-08-12 00:38:05
End at: 2018-08-12 00:38:35
Local clock offset: -0.318 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-08-12 04:12:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.27 Mbit/s
95th percentile per-packet one-way delay: 159.412 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 159.30 Mbit/s
95th percentile per-packet one-way delay: 160.564 ms
Loss rate: 4.11%
-- Flow 2:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 160.155 ms
Loss rate: 4.37%
-- Flow 3:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 150.435 ms
Loss rate: 0.05%

Run 9: Report of Verus — Data Link

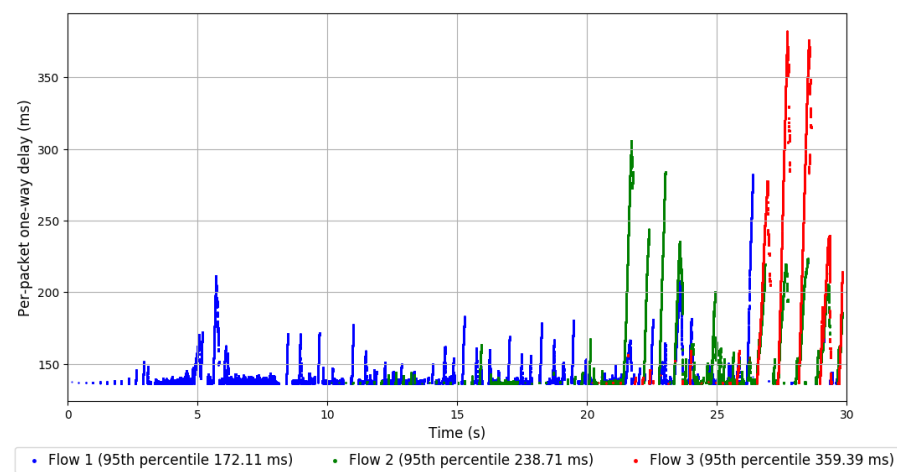
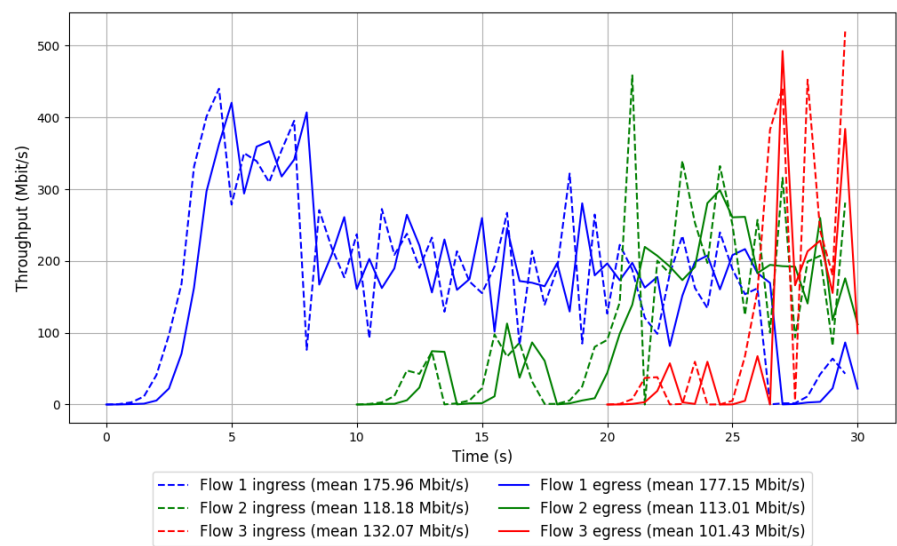


Run 10: Statistics of Verus

Start at: 2018-08-12 01:06:15
End at: 2018-08-12 01:06:45
Local clock offset: -0.072 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-08-12 04:12:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.97 Mbit/s
95th percentile per-packet one-way delay: 243.555 ms
Loss rate: 5.25%
-- Flow 1:
Average throughput: 177.15 Mbit/s
95th percentile per-packet one-way delay: 172.110 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 113.01 Mbit/s
95th percentile per-packet one-way delay: 238.707 ms
Loss rate: 5.69%
-- Flow 3:
Average throughput: 101.43 Mbit/s
95th percentile per-packet one-way delay: 359.391 ms
Loss rate: 24.77%

Run 10: Report of Verus — Data Link

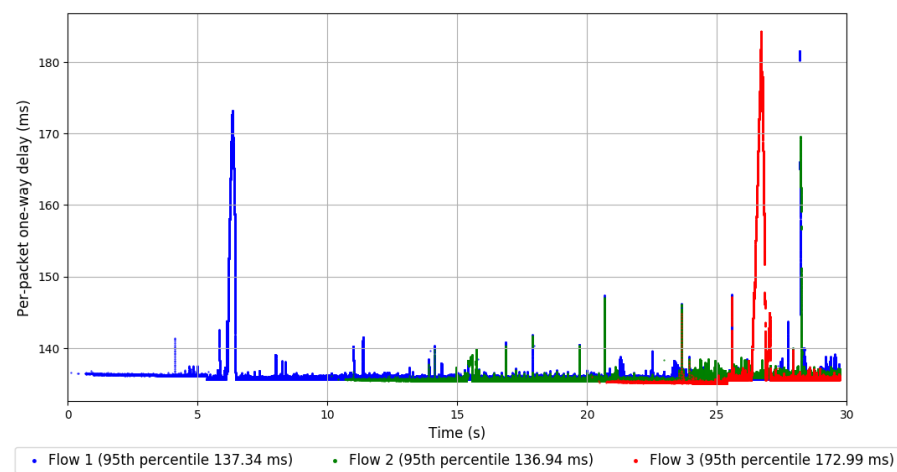
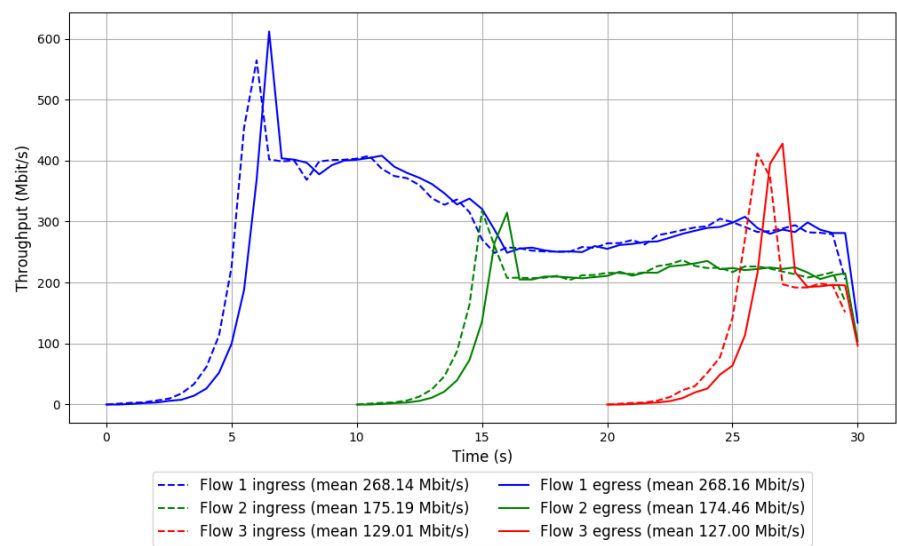


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-11 20:49:18
End at: 2018-08-11 20:49:48
Local clock offset: -0.126 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-12 04:15:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 424.58 Mbit/s
95th percentile per-packet one-way delay: 138.338 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 268.16 Mbit/s
95th percentile per-packet one-way delay: 137.336 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 174.46 Mbit/s
95th percentile per-packet one-way delay: 136.938 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 127.00 Mbit/s
95th percentile per-packet one-way delay: 172.987 ms
Loss rate: 4.29%

Run 1: Report of PCC-Vivace — Data Link

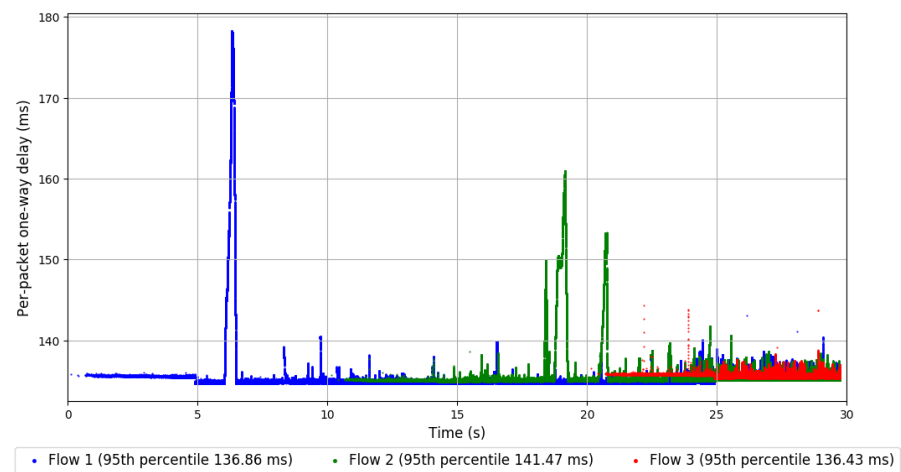
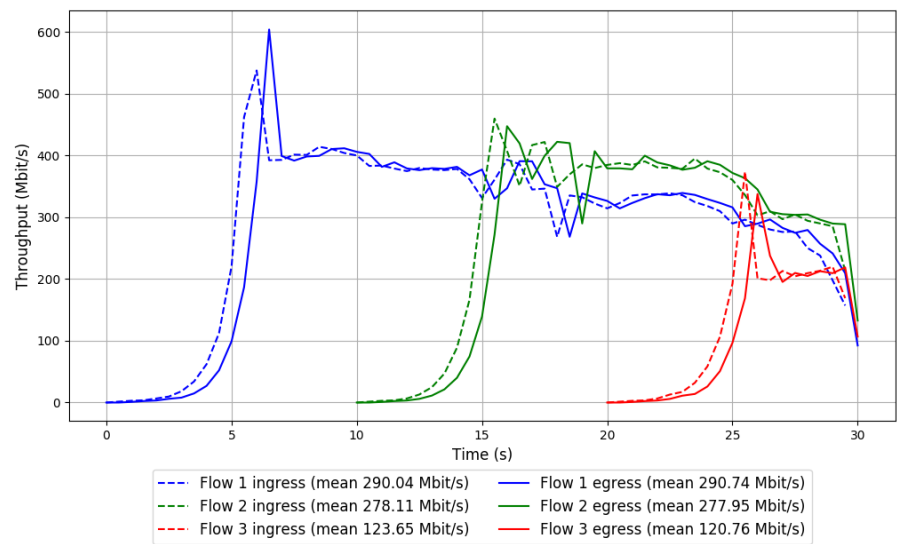


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-11 21:16:48
End at: 2018-08-11 21:17:18
Local clock offset: -0.182 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-08-12 04:17:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 513.77 Mbit/s
95th percentile per-packet one-way delay: 137.669 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 290.74 Mbit/s
95th percentile per-packet one-way delay: 136.857 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 277.95 Mbit/s
95th percentile per-packet one-way delay: 141.474 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 120.76 Mbit/s
95th percentile per-packet one-way delay: 136.433 ms
Loss rate: 5.05%

Run 2: Report of PCC-Vivace — Data Link

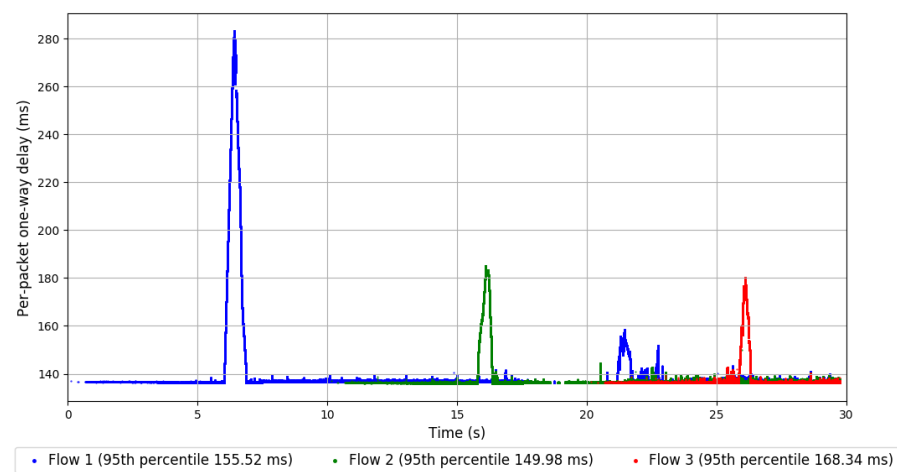
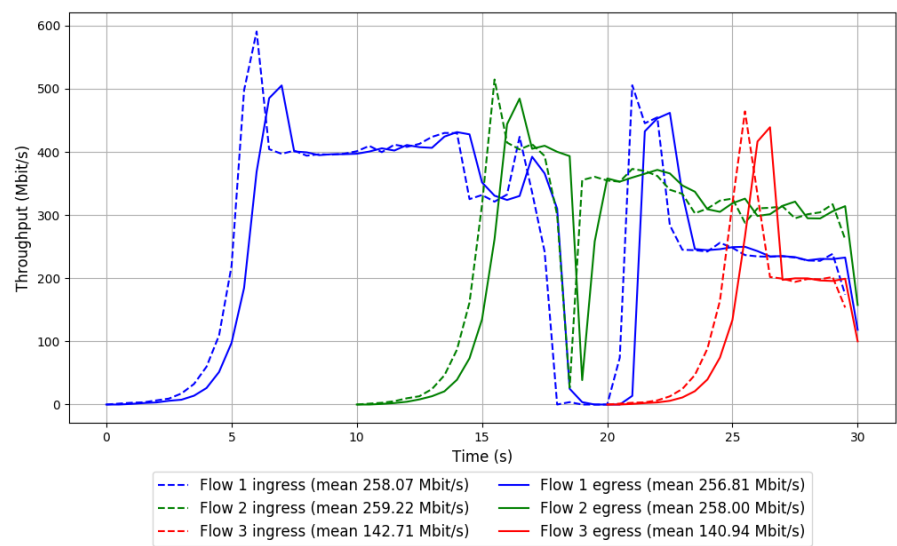


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-11 21:44:56
End at: 2018-08-11 21:45:26
Local clock offset: 0.221 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-12 04:17:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 473.22 Mbit/s
95th percentile per-packet one-way delay: 157.236 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 256.81 Mbit/s
95th percentile per-packet one-way delay: 155.523 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 258.00 Mbit/s
95th percentile per-packet one-way delay: 149.984 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 140.94 Mbit/s
95th percentile per-packet one-way delay: 168.340 ms
Loss rate: 3.97%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-11 22:12:52

End at: 2018-08-11 22:13:23

Local clock offset: -0.122 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-08-12 04:17:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 457.78 Mbit/s

95th percentile per-packet one-way delay: 140.816 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 304.95 Mbit/s

95th percentile per-packet one-way delay: 148.072 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 170.35 Mbit/s

95th percentile per-packet one-way delay: 136.144 ms

Loss rate: 1.76%

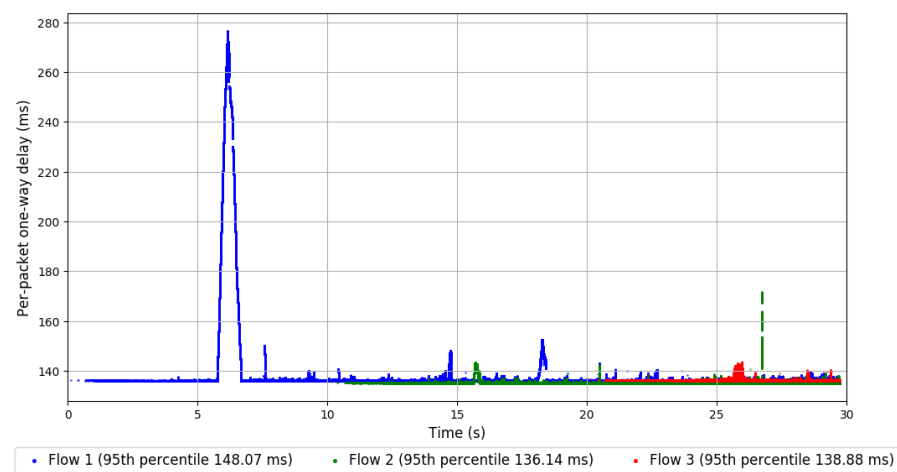
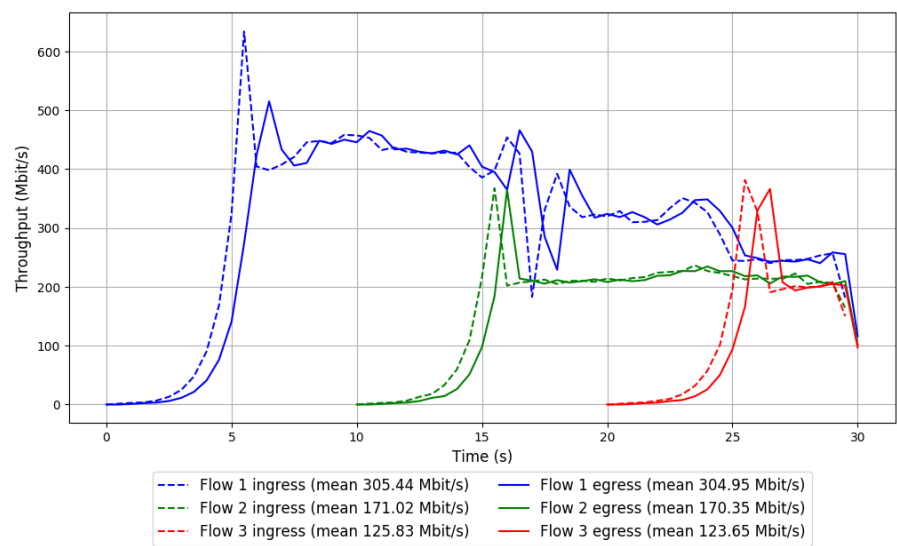
-- Flow 3:

Average throughput: 123.65 Mbit/s

95th percentile per-packet one-way delay: 138.884 ms

Loss rate: 4.46%

Run 4: Report of PCC-Vivace — Data Link

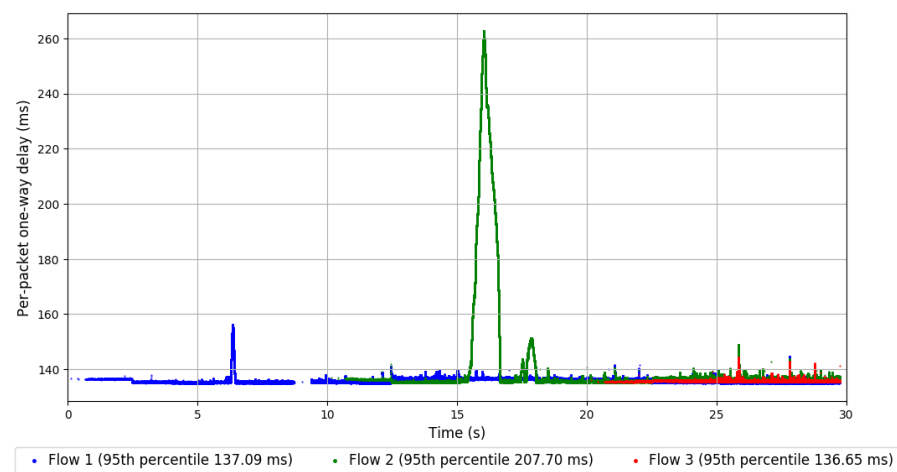
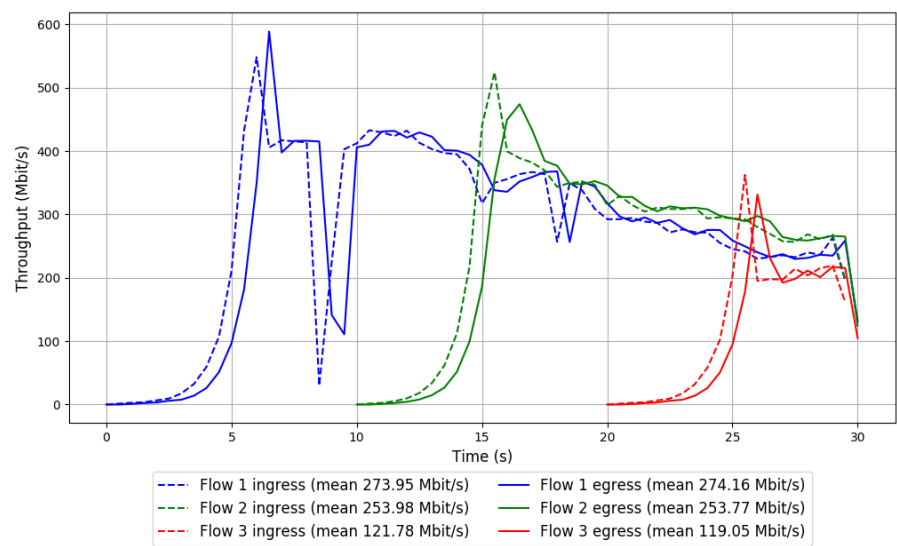


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-11 22:40:41
End at: 2018-08-11 22:41:11
Local clock offset: -0.241 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-12 04:19:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 480.57 Mbit/s
95th percentile per-packet one-way delay: 143.429 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 274.16 Mbit/s
95th percentile per-packet one-way delay: 137.092 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 253.77 Mbit/s
95th percentile per-packet one-way delay: 207.698 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 119.05 Mbit/s
95th percentile per-packet one-way delay: 136.654 ms
Loss rate: 4.90%

Run 5: Report of PCC-Vivace — Data Link

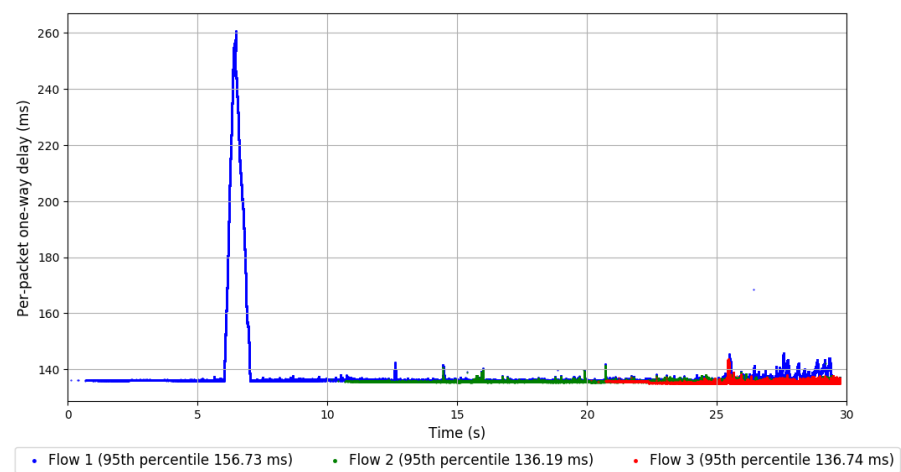
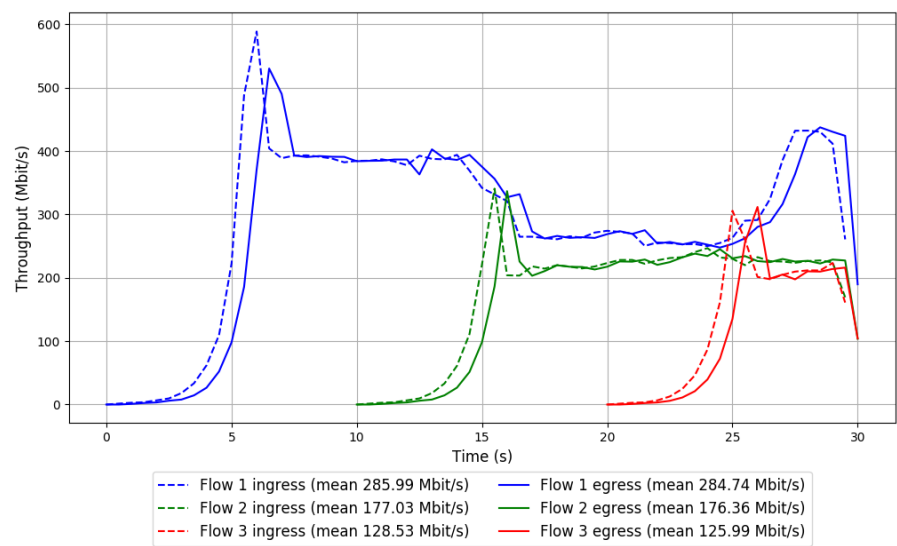


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-11 23:08:21
End at: 2018-08-11 23:08:51
Local clock offset: -0.082 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-08-12 04:19:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.26 Mbit/s
95th percentile per-packet one-way delay: 141.065 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 284.74 Mbit/s
95th percentile per-packet one-way delay: 156.731 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 176.36 Mbit/s
95th percentile per-packet one-way delay: 136.185 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 125.99 Mbit/s
95th percentile per-packet one-way delay: 136.739 ms
Loss rate: 4.69%

Run 6: Report of PCC-Vivace — Data Link

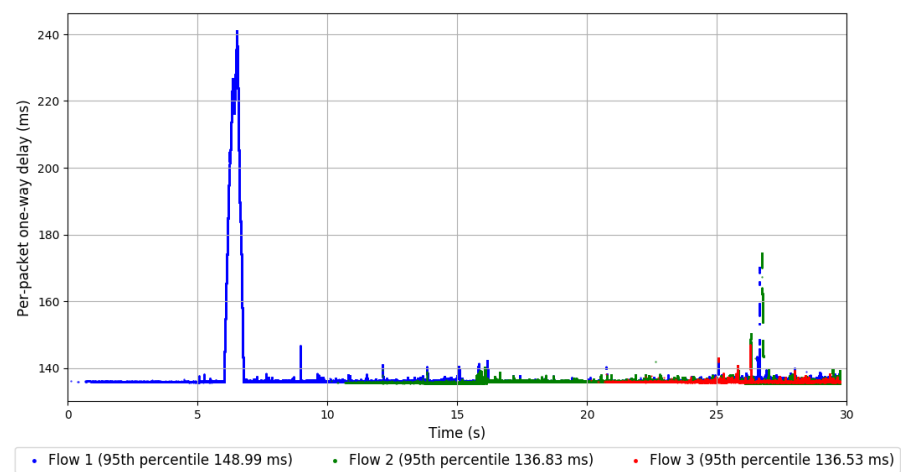
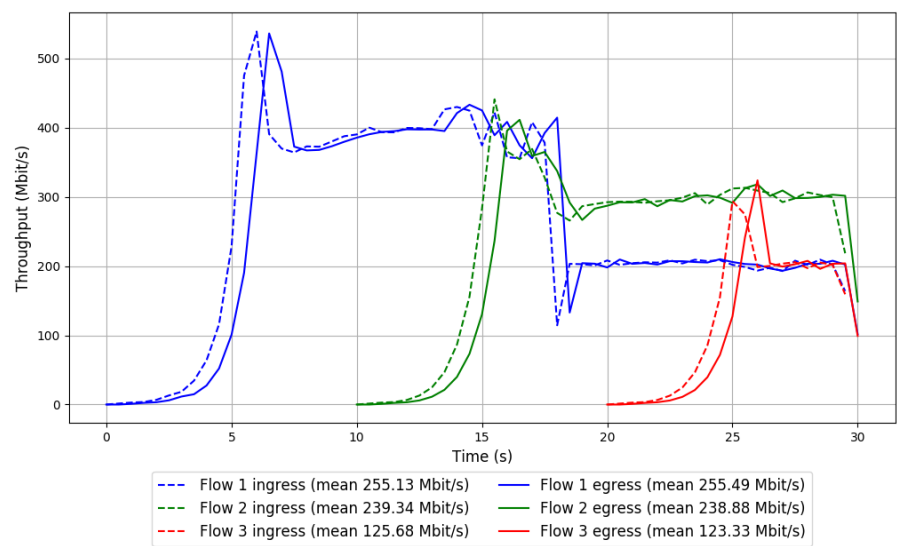


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-11 23:36:17
End at: 2018-08-11 23:36:47
Local clock offset: -0.061 ms
Remote clock offset: -0.551 ms

Below is generated by plot.py at 2018-08-12 04:19:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.57 Mbit/s
95th percentile per-packet one-way delay: 137.700 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 255.49 Mbit/s
95th percentile per-packet one-way delay: 148.986 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 238.88 Mbit/s
95th percentile per-packet one-way delay: 136.833 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 123.33 Mbit/s
95th percentile per-packet one-way delay: 136.535 ms
Loss rate: 4.59%

Run 7: Report of PCC-Vivace — Data Link

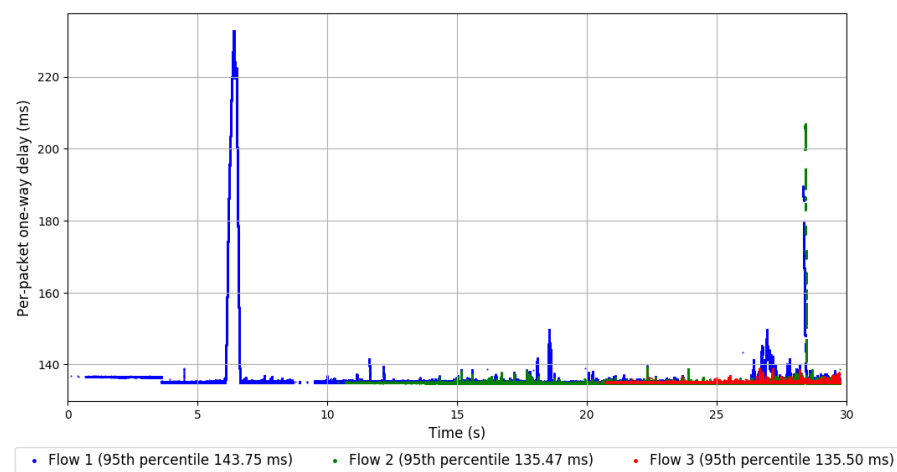
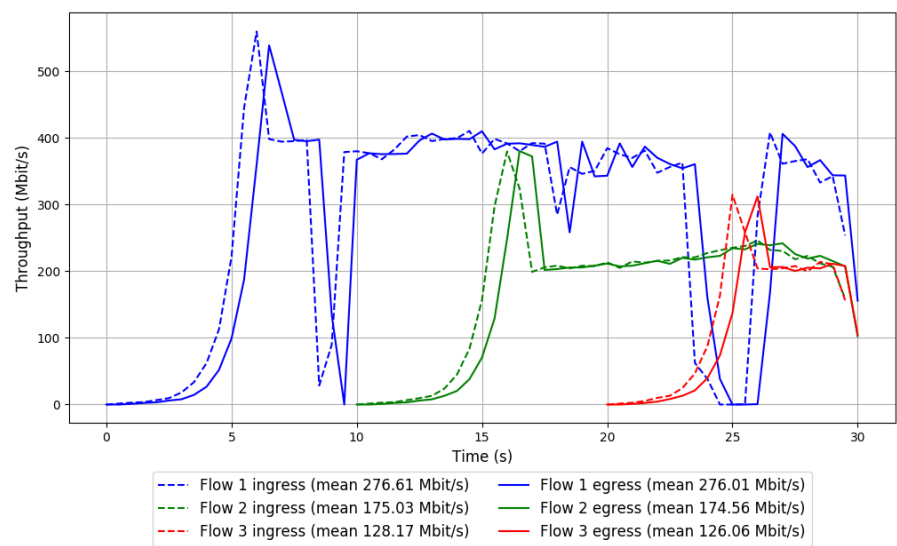


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-12 00:04:50
End at: 2018-08-12 00:05:20
Local clock offset: 0.033 ms
Remote clock offset: -0.207 ms

```
# Below is generated by plot.py at 2018-08-12 04:19:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 432.33 Mbit/s
95th percentile per-packet one-way delay: 138.759 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 276.01 Mbit/s
95th percentile per-packet one-way delay: 143.753 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 174.56 Mbit/s
95th percentile per-packet one-way delay: 135.465 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 126.06 Mbit/s
95th percentile per-packet one-way delay: 135.496 ms
Loss rate: 4.37%
```

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-12 00:33:07

End at: 2018-08-12 00:33:37

Local clock offset: -0.145 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-08-12 04:20:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 439.20 Mbit/s

95th percentile per-packet one-way delay: 146.377 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 273.04 Mbit/s

95th percentile per-packet one-way delay: 156.882 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 191.16 Mbit/s

95th percentile per-packet one-way delay: 135.673 ms

Loss rate: 2.00%

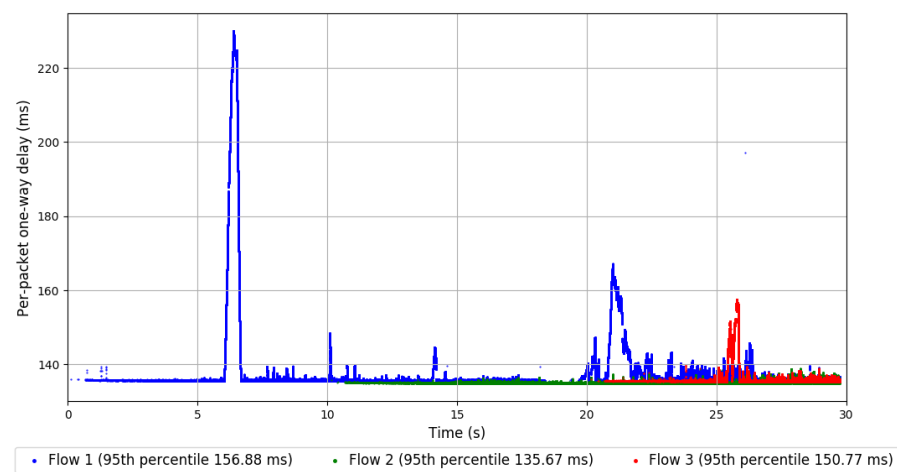
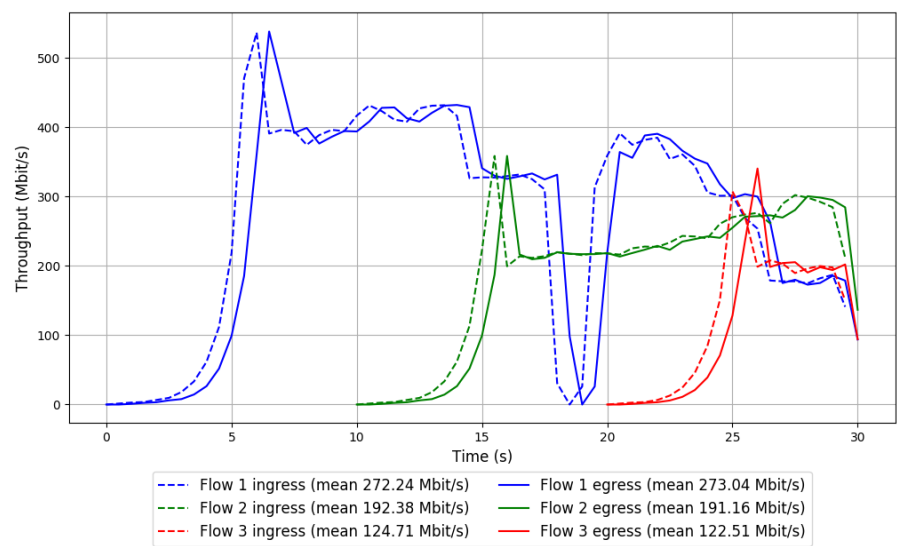
-- Flow 3:

Average throughput: 122.51 Mbit/s

95th percentile per-packet one-way delay: 150.768 ms

Loss rate: 4.50%

Run 9: Report of PCC-Vivace — Data Link

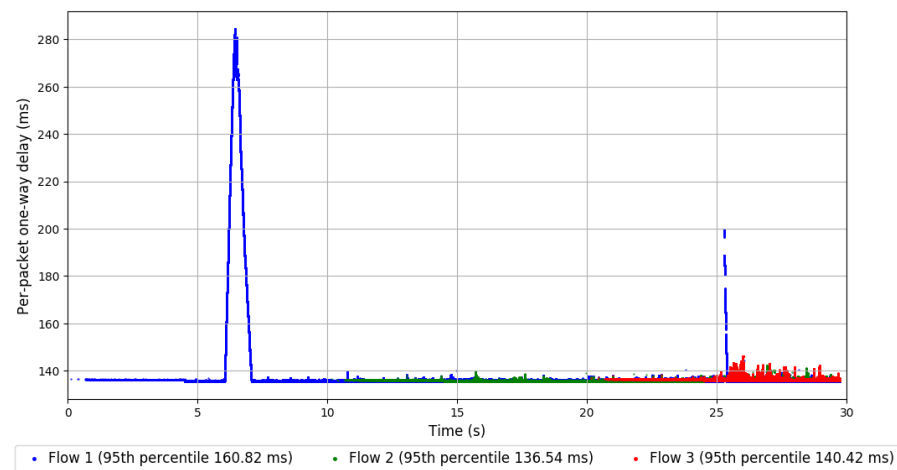
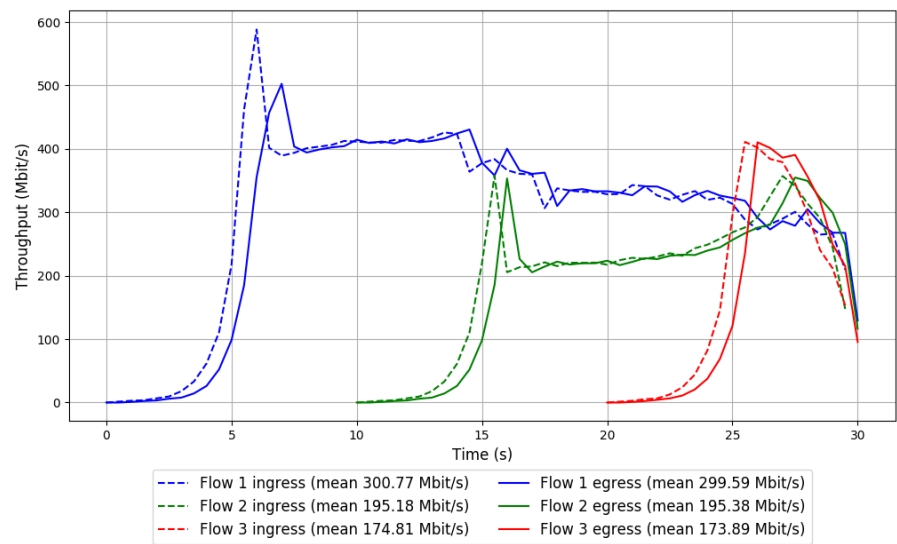


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-12 01:01:09
End at: 2018-08-12 01:01:39
Local clock offset: -0.203 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-12 04:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.18 Mbit/s
95th percentile per-packet one-way delay: 139.080 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 299.59 Mbit/s
95th percentile per-packet one-way delay: 160.824 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 195.38 Mbit/s
95th percentile per-packet one-way delay: 136.538 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 173.89 Mbit/s
95th percentile per-packet one-way delay: 140.417 ms
Loss rate: 3.28%

Run 10: Report of PCC-Vivace — Data Link

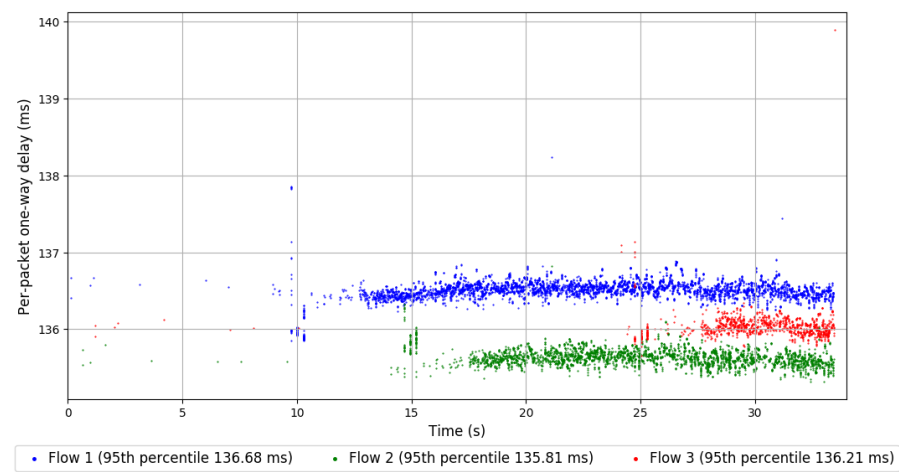
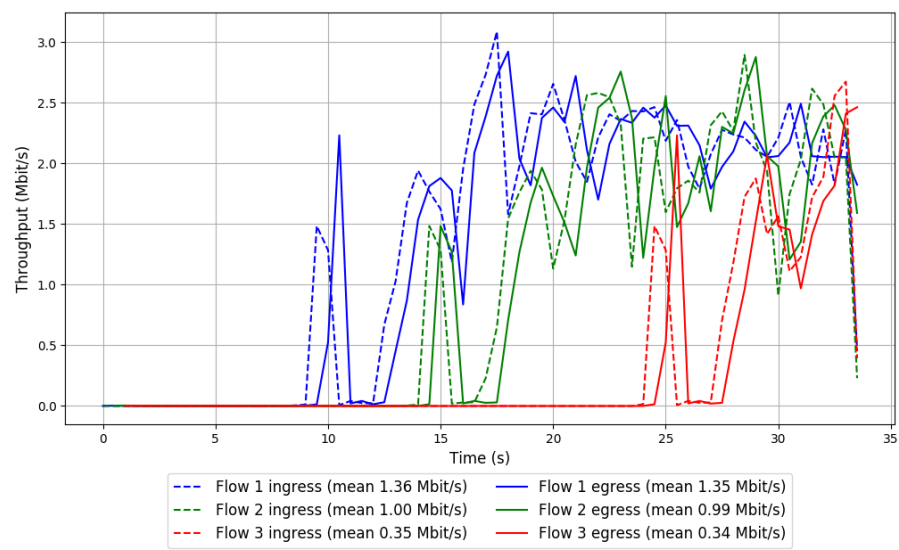


Run 1: Statistics of WebRTC media

Start at: 2018-08-11 21:00:39
End at: 2018-08-11 21:01:09
Local clock offset: -0.013 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-08-12 04:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 136.624 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 136.679 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 135.812 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.213 ms
Loss rate: 5.54%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-08-11 21:28:19

End at: 2018-08-11 21:28:49

Local clock offset: 0.03 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-08-12 04:20:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 136.525 ms

Loss rate: 1.63%

-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 136.528 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 136.534 ms

Loss rate: 1.65%

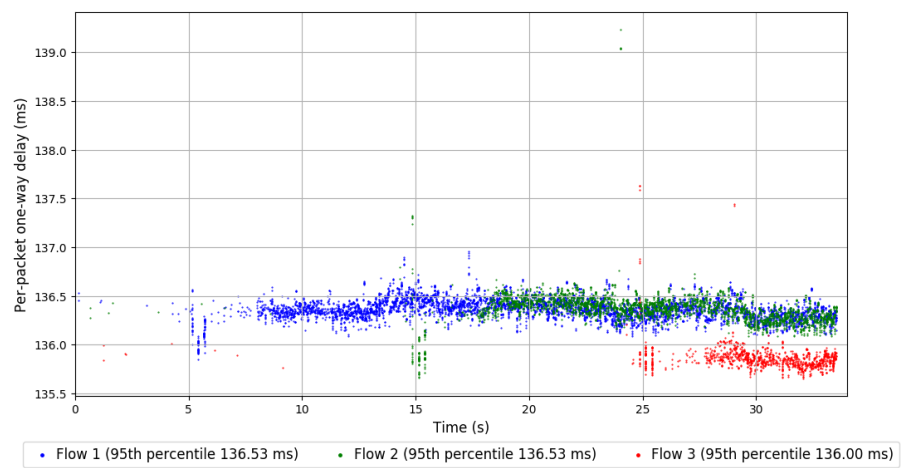
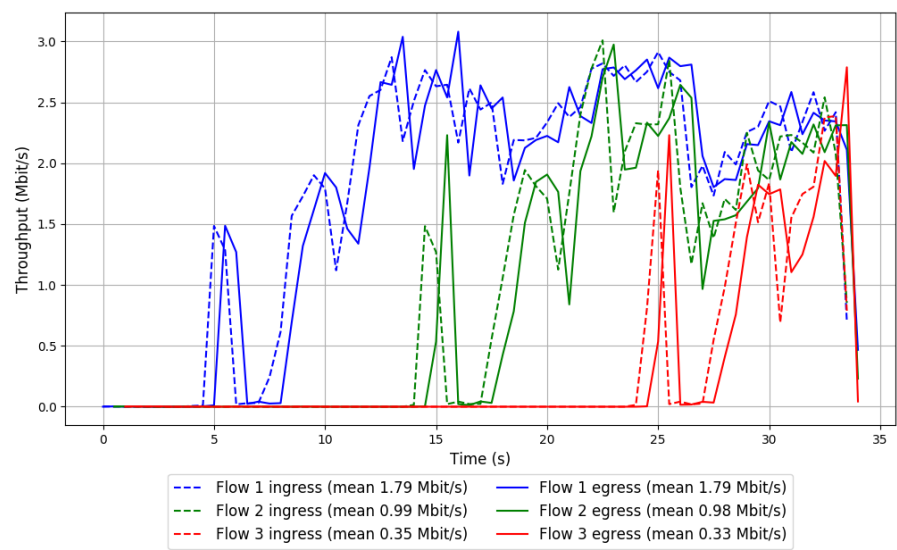
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 136.000 ms

Loss rate: 5.14%

Run 2: Report of WebRTC media — Data Link

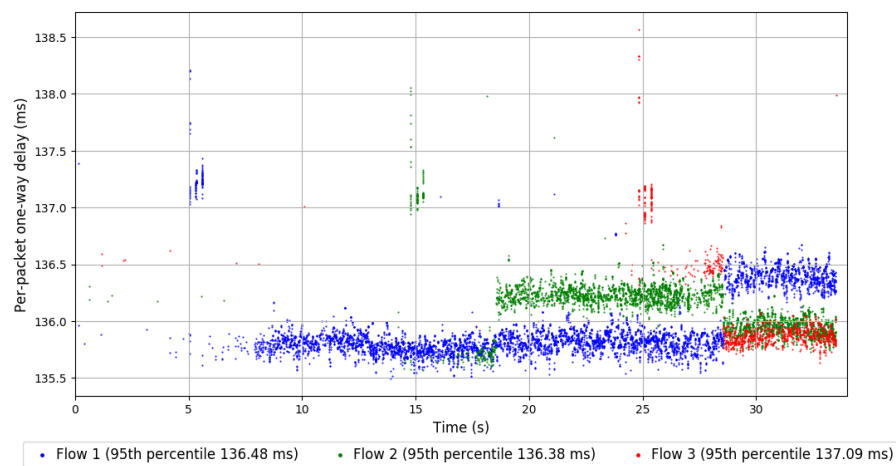
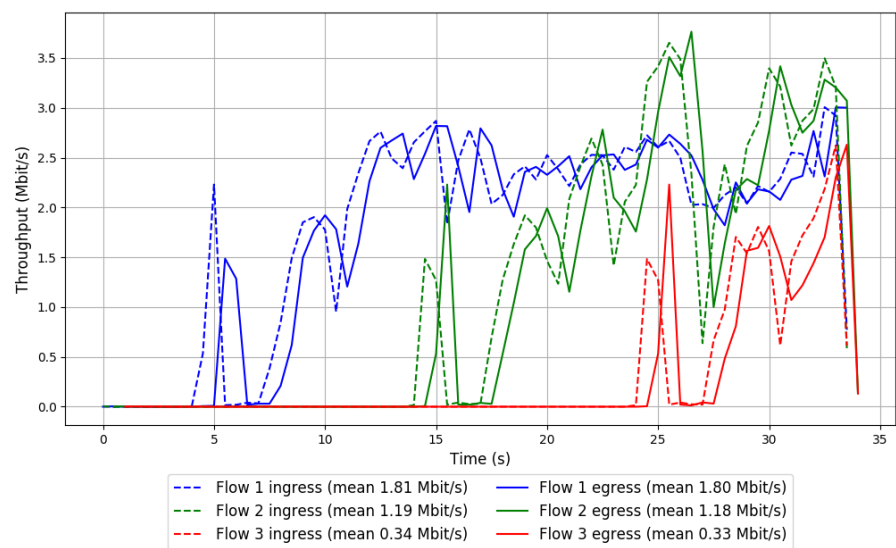


Run 3: Statistics of WebRTC media

Start at: 2018-08-11 21:56:19
End at: 2018-08-11 21:56:49
Local clock offset: -0.035 ms
Remote clock offset: -0.506 ms

Below is generated by plot.py at 2018-08-12 04:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 136.493 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 136.482 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 136.376 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 137.089 ms
Loss rate: 4.90%

Run 3: Report of WebRTC media — Data Link

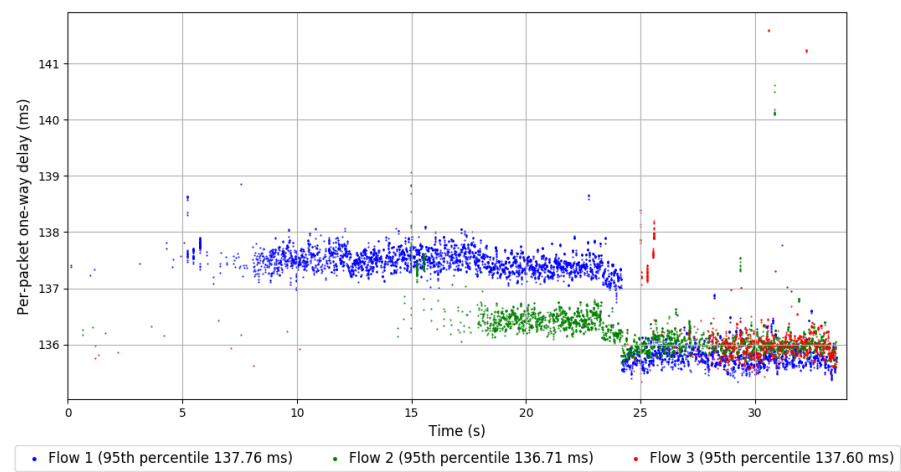
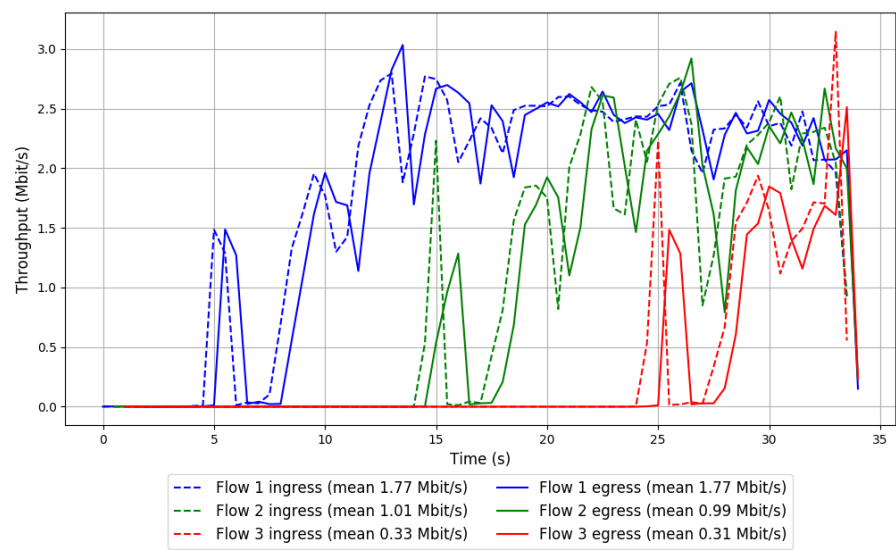


Run 4: Statistics of WebRTC media

Start at: 2018-08-11 22:24:13
End at: 2018-08-11 22:24:43
Local clock offset: -0.183 ms
Remote clock offset: -0.536 ms

Below is generated by plot.py at 2018-08-12 04:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 137.718 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 137.764 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 136.713 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 137.596 ms
Loss rate: 6.85%

Run 4: Report of WebRTC media — Data Link

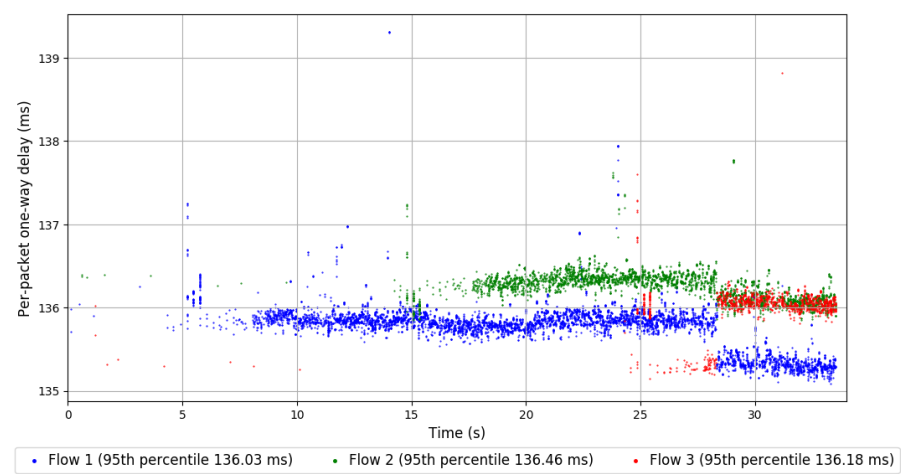
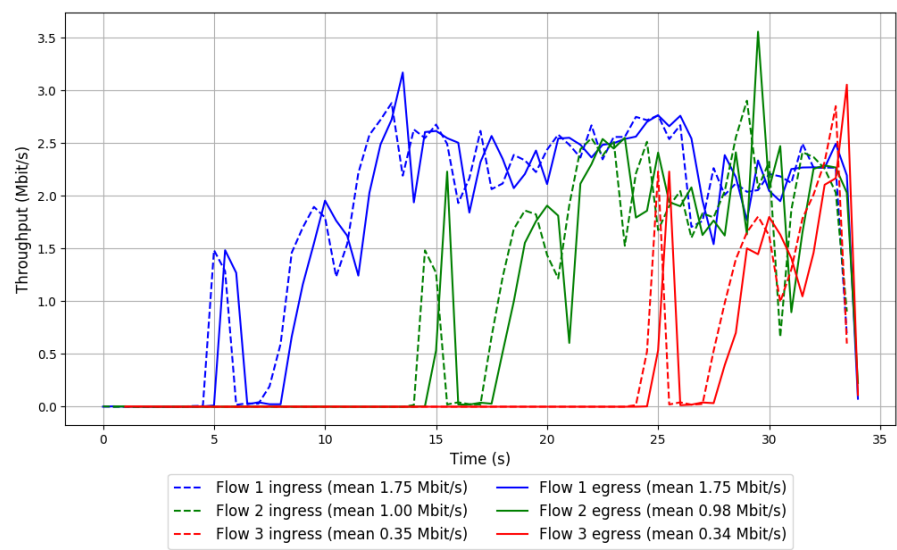


Run 5: Statistics of WebRTC media

Start at: 2018-08-11 22:51:59
End at: 2018-08-11 22:52:29
Local clock offset: -0.049 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-08-12 04:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 136.397 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 136.026 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 136.461 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.183 ms
Loss rate: 4.54%

Run 5: Report of WebRTC media — Data Link

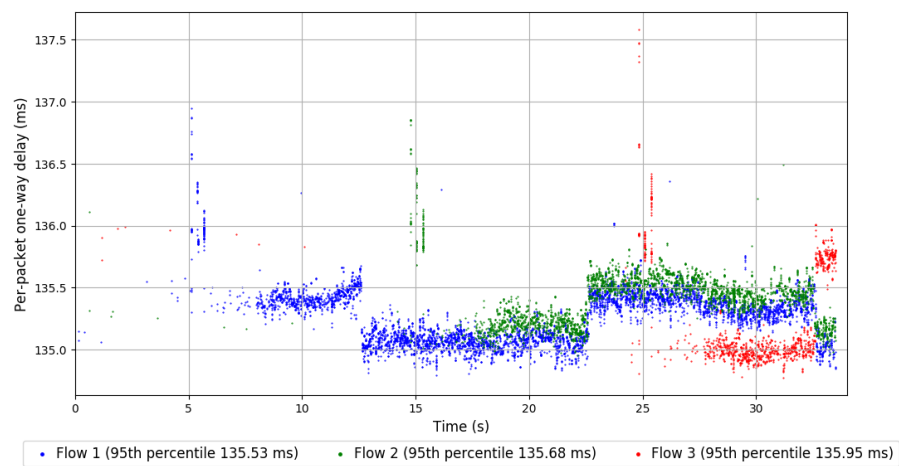
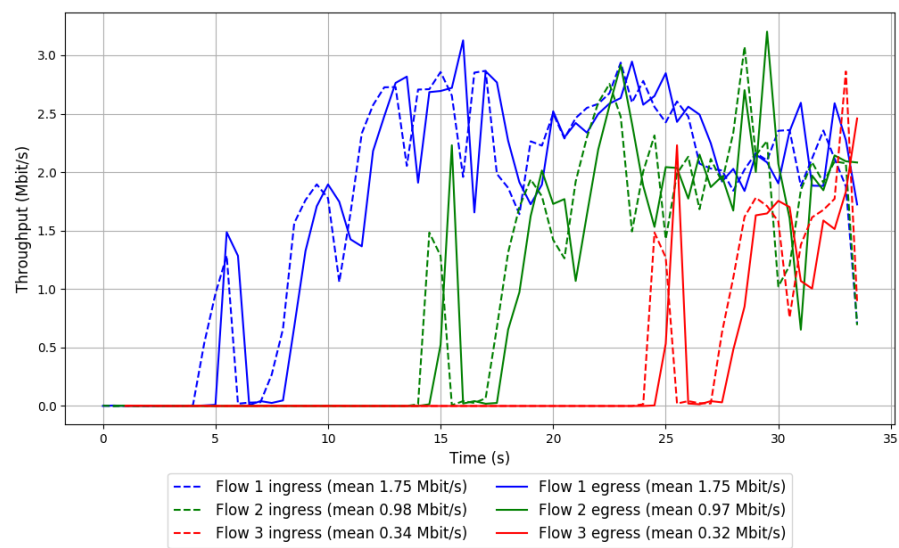


Run 6: Statistics of WebRTC media

Start at: 2018-08-11 23:19:45
End at: 2018-08-11 23:20:15
Local clock offset: -0.099 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-08-12 04:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 135.702 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 135.531 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 135.676 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 135.950 ms
Loss rate: 8.22%

Run 6: Report of WebRTC media — Data Link

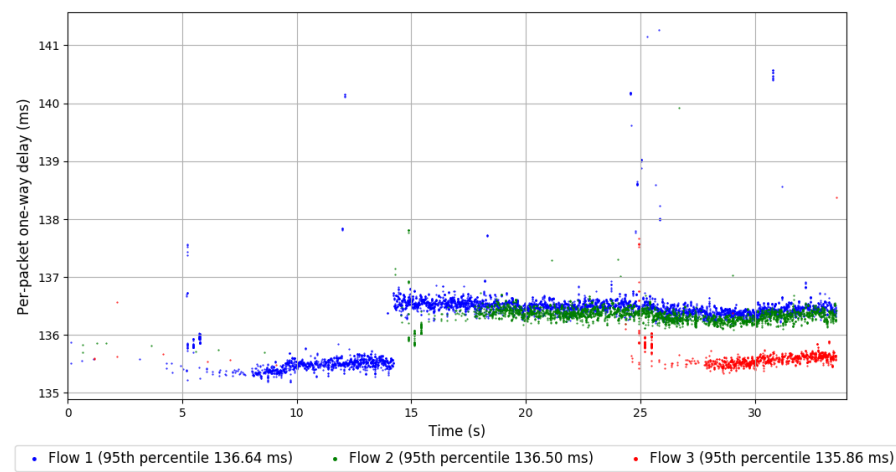
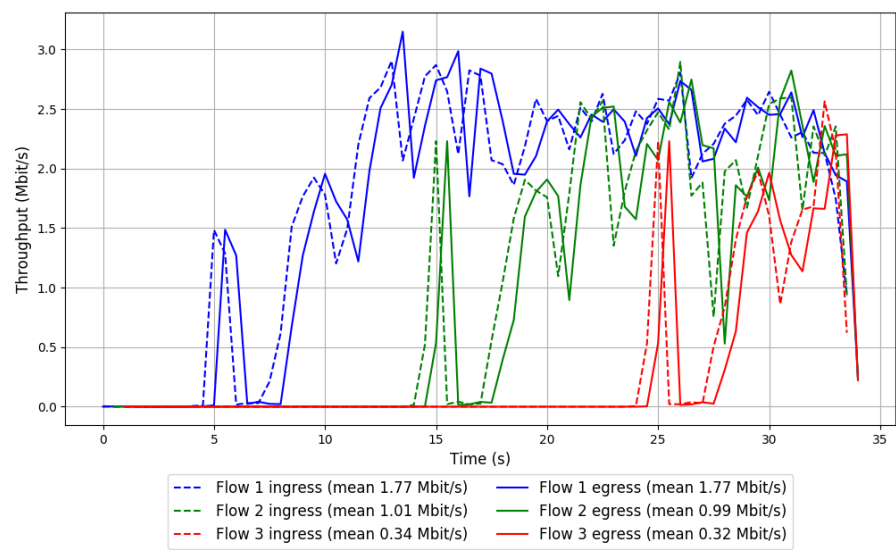


Run 7: Statistics of WebRTC media

Start at: 2018-08-11 23:48:03
End at: 2018-08-11 23:48:33
Local clock offset: -0.008 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-08-12 04:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 136.604 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 136.637 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 136.495 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 135.864 ms
Loss rate: 4.19%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-12 00:16:35

End at: 2018-08-12 00:17:05

Local clock offset: -0.083 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-08-12 04:20:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.05 Mbit/s

95th percentile per-packet one-way delay: 135.634 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 135.597 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 134.749 ms

Loss rate: 2.09%

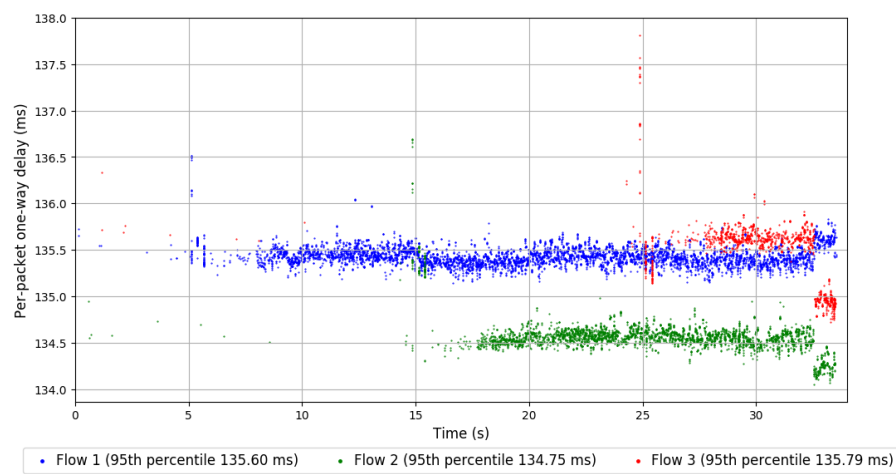
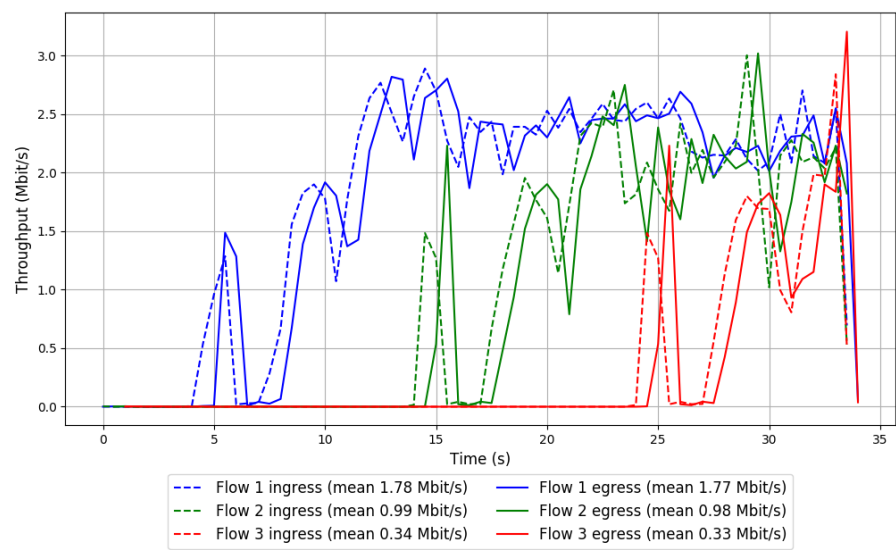
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 135.791 ms

Loss rate: 4.18%

Run 8: Report of WebRTC media — Data Link

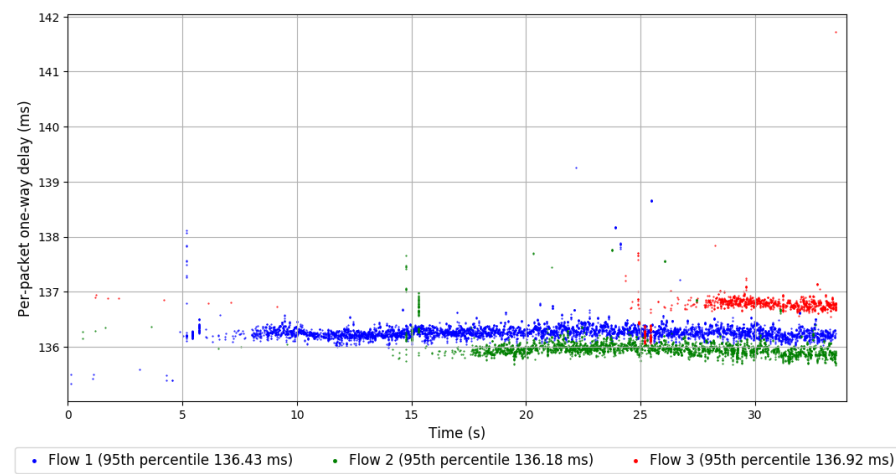
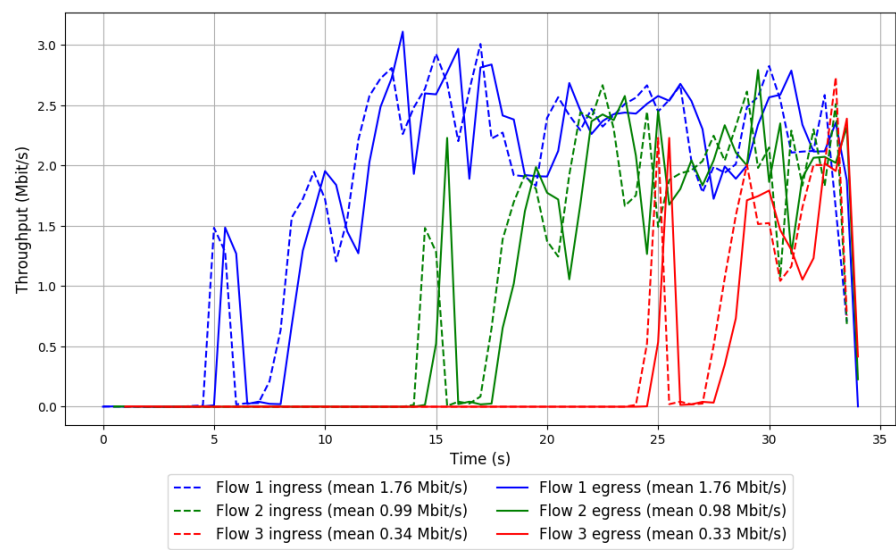


Run 9: Statistics of WebRTC media

Start at: 2018-08-12 00:44:33
End at: 2018-08-12 00:45:03
Local clock offset: -0.124 ms
Remote clock offset: -0.512 ms

Below is generated by plot.py at 2018-08-12 04:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 136.797 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 136.425 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 136.183 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.924 ms
Loss rate: 6.24%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-12 01:12:46

End at: 2018-08-12 01:13:16

Local clock offset: 0.136 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-08-12 04:20:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 136.482 ms

Loss rate: 1.85%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 136.374 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 136.546 ms

Loss rate: 2.03%

-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 136.609 ms

Loss rate: 5.06%

Run 10: Report of WebRTC media — Data Link

