

Pantheon Report

Generated at 2018-08-10 09:12:40 (UTC).

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

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.

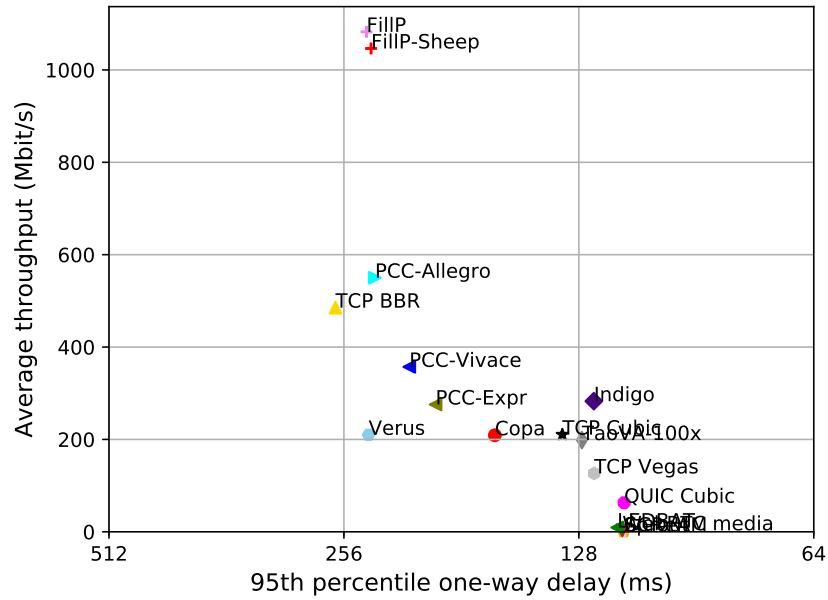
System info:

```
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
```

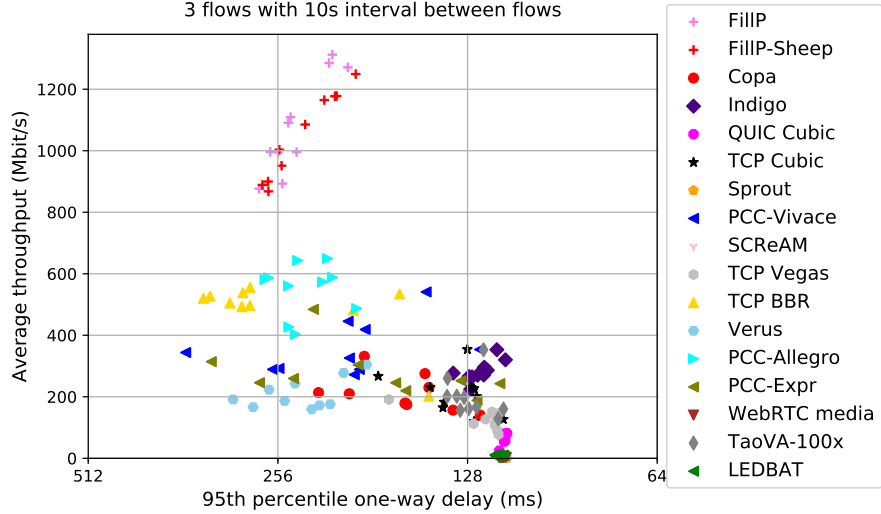
Git summary:

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



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



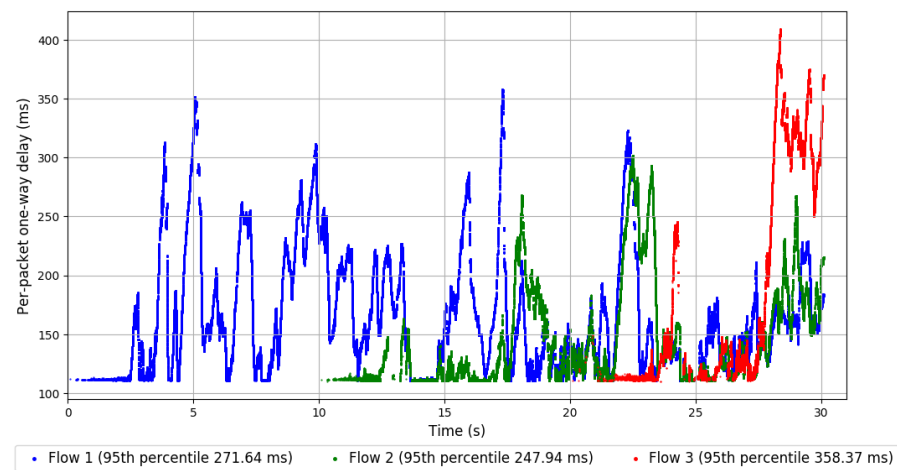
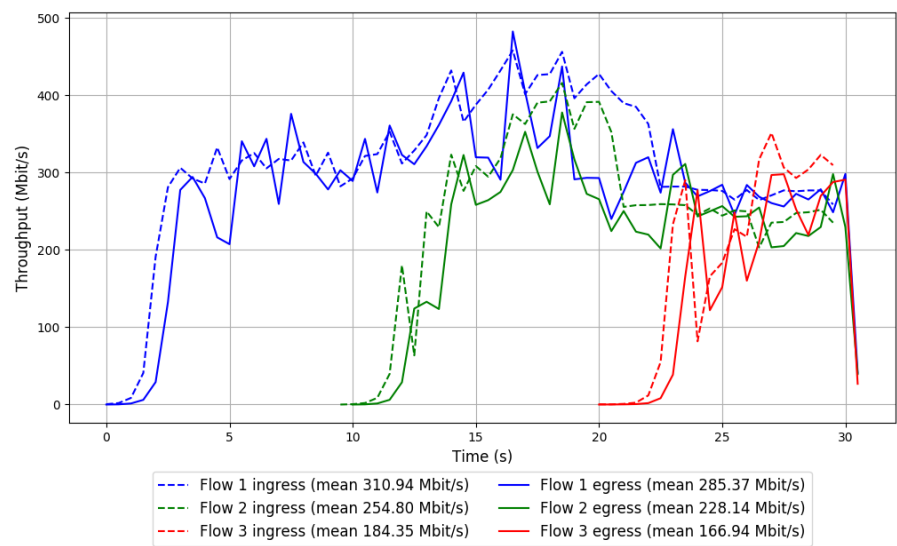
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	268.81	258.64	133.17	255.50	265.37	222.28	6.81	6.62	8.14
Copa	10	106.35	105.70	97.43	152.62	156.76	154.47	0.38	0.34	0.49
TCP Cubic	10	130.08	80.25	80.86	131.31	129.76	135.91	0.08	0.27	0.59
FillP	10	576.93	527.26	466.11	237.07	242.50	238.25	12.55	11.77	10.78
FillP-Sheep	10	557.86	515.86	438.62	236.00	233.26	236.02	11.81	8.69	8.04
Indigo	10	152.42	137.16	124.25	121.24	122.24	127.28	0.08	0.15	0.38
LEDBAT	10	5.87	4.30	1.73	114.22	114.26	113.33	0.00	0.00	0.00
PCC-Allegro	10	360.95	224.01	121.82	229.53	191.49	185.18	4.63	4.04	5.54
PCC-Expr	10	159.71	133.04	82.99	198.71	159.64	140.38	1.10	0.51	0.40
QUIC Cubic	10	34.02	33.08	21.65	111.82	111.79	111.41	0.00	0.00	0.00
SCReAM	10	0.20	0.21	0.21	111.53	111.80	111.33	0.00	0.00	0.00
Sprout	10	0.22	0.22	0.25	112.01	112.10	112.13	0.00	0.00	0.00
TaoVA-100x	10	103.31	104.09	78.24	125.39	128.61	125.54	0.03	0.04	0.09
TCP Vegas	10	61.38	73.63	48.16	115.28	123.40	128.04	0.04	0.04	0.15
Verus	10	114.20	107.03	78.20	219.84	212.75	240.60	3.68	3.20	4.36
PCC-Vivace	10	205.56	170.01	119.98	205.95	191.07	219.60	1.24	0.50	2.98
WebRTC media	10	1.84	1.10	0.37	112.45	112.29	112.09	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-10 02:24:42
End at: 2018-08-10 02:25:12
Local clock offset: -0.332 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2018-08-10 07:09:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 492.96 Mbit/s
95th percentile per-packet one-way delay: 292.046 ms
Loss rate: 9.05%
-- Flow 1:
Average throughput: 285.37 Mbit/s
95th percentile per-packet one-way delay: 271.639 ms
Loss rate: 8.22%
-- Flow 2:
Average throughput: 228.14 Mbit/s
95th percentile per-packet one-way delay: 247.942 ms
Loss rate: 10.45%
-- Flow 3:
Average throughput: 166.94 Mbit/s
95th percentile per-packet one-way delay: 358.365 ms
Loss rate: 9.41%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-10 02:51:10

End at: 2018-08-10 02:51:40

Local clock offset: -0.122 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-08-10 07:09:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 526.93 Mbit/s

95th percentile per-packet one-way delay: 327.966 ms

Loss rate: 10.94%

-- Flow 1:

Average throughput: 310.65 Mbit/s

95th percentile per-packet one-way delay: 325.845 ms

Loss rate: 10.14%

-- Flow 2:

Average throughput: 273.23 Mbit/s

95th percentile per-packet one-way delay: 339.317 ms

Loss rate: 10.28%

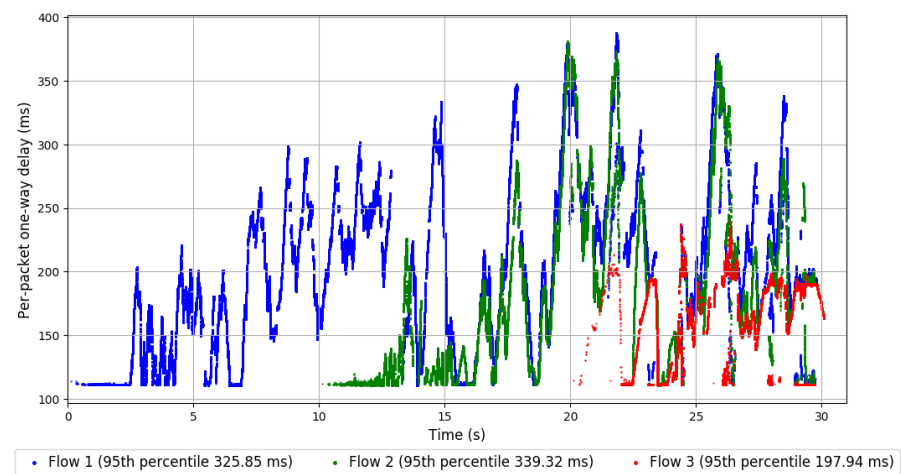
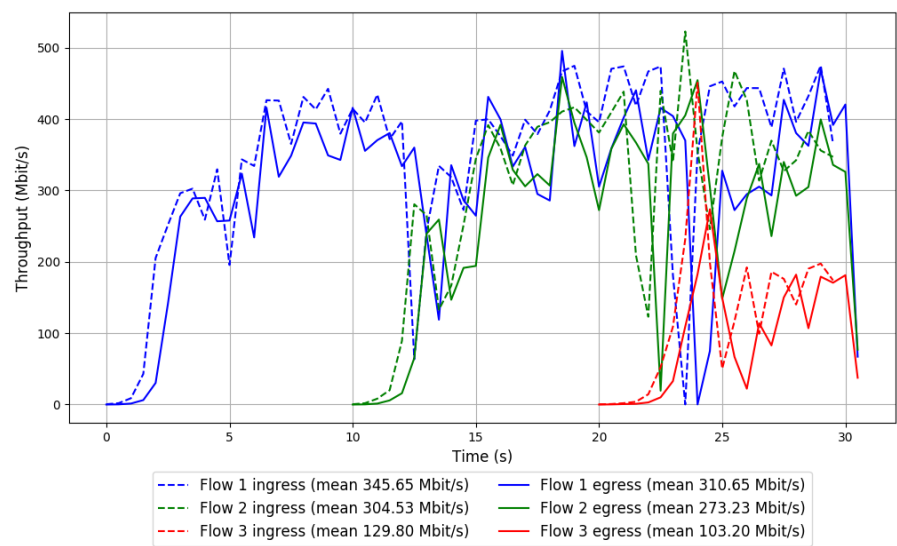
-- Flow 3:

Average throughput: 103.20 Mbit/s

95th percentile per-packet one-way delay: 197.937 ms

Loss rate: 20.53%

Run 2: Report of TCP BBR — Data Link

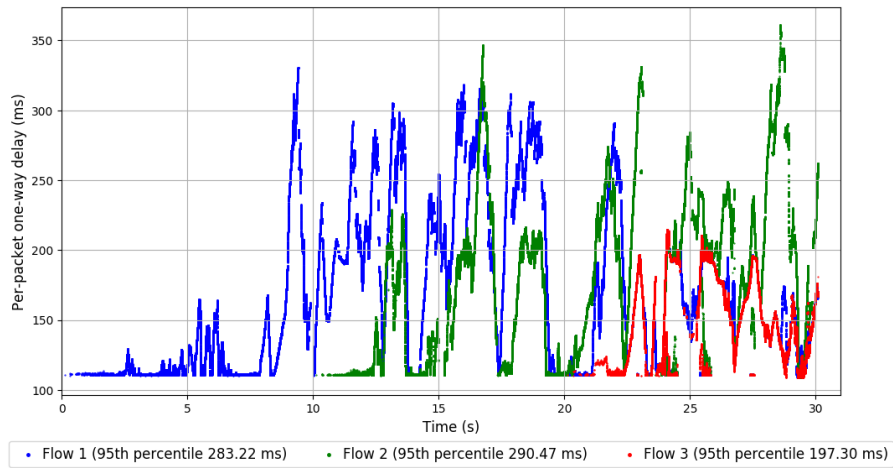
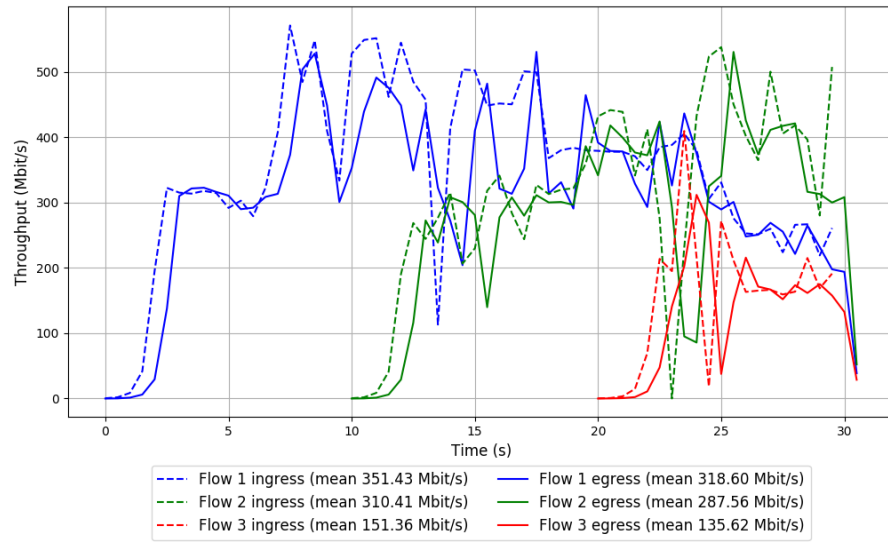


Run 3: Statistics of TCP BBR

Start at: 2018-08-10 03:17:05
End at: 2018-08-10 03:17:35
Local clock offset: 0.051 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-08-10 07:10:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.24 Mbit/s
95th percentile per-packet one-way delay: 283.365 ms
Loss rate: 8.73%
-- Flow 1:
Average throughput: 318.60 Mbit/s
95th percentile per-packet one-way delay: 283.219 ms
Loss rate: 9.32%
-- Flow 2:
Average throughput: 287.56 Mbit/s
95th percentile per-packet one-way delay: 290.468 ms
Loss rate: 7.33%
-- Flow 3:
Average throughput: 135.62 Mbit/s
95th percentile per-packet one-way delay: 197.299 ms
Loss rate: 10.33%

Run 3: Report of TCP BBR — Data Link

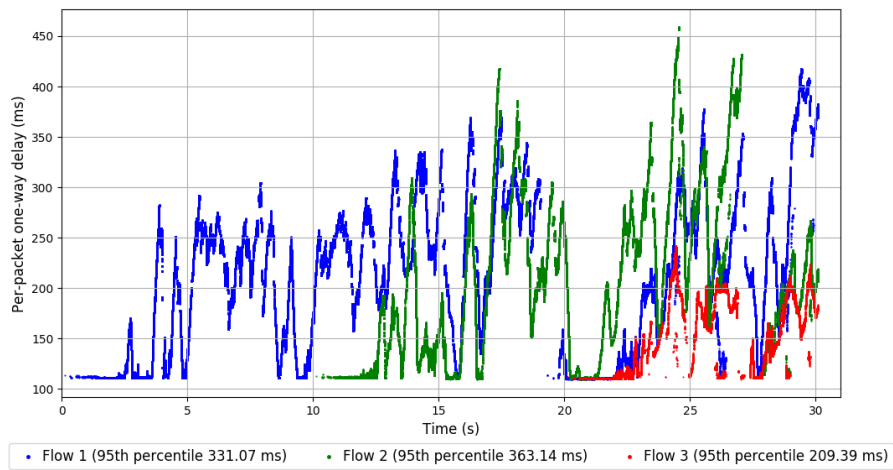
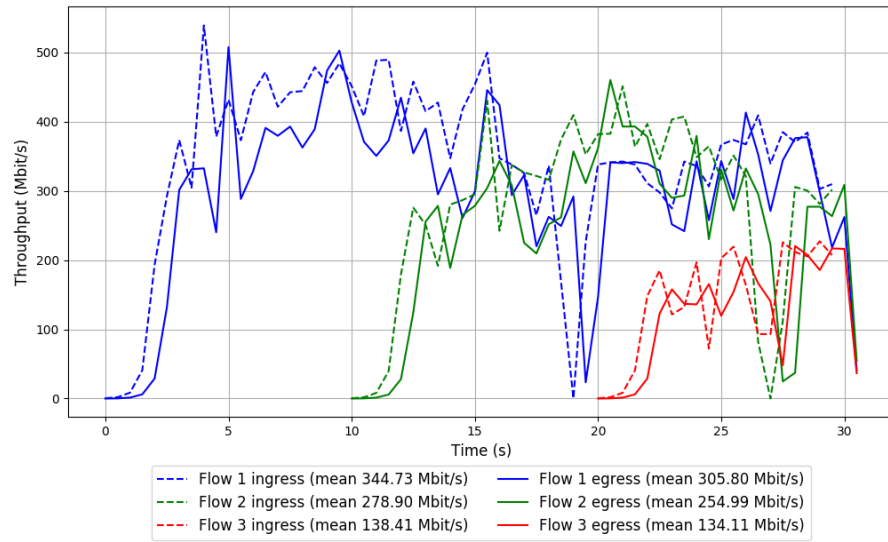


Run 4: Statistics of TCP BBR

Start at: 2018-08-10 03:43:09
End at: 2018-08-10 03:43:39
Local clock offset: -0.041 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-10 07:10:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.21 Mbit/s
95th percentile per-packet one-way delay: 335.972 ms
Loss rate: 9.77%
-- Flow 1:
Average throughput: 305.80 Mbit/s
95th percentile per-packet one-way delay: 331.067 ms
Loss rate: 11.30%
-- Flow 2:
Average throughput: 254.99 Mbit/s
95th percentile per-packet one-way delay: 363.141 ms
Loss rate: 8.58%
-- Flow 3:
Average throughput: 134.11 Mbit/s
95th percentile per-packet one-way delay: 209.386 ms
Loss rate: 3.12%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-10 04:09:08

End at: 2018-08-10 04:09:38

Local clock offset: 1.473 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-08-10 07:10:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 496.61 Mbit/s

95th percentile per-packet one-way delay: 283.523 ms

Loss rate: 9.10%

-- Flow 1:

Average throughput: 279.01 Mbit/s

95th percentile per-packet one-way delay: 263.154 ms

Loss rate: 7.67%

-- Flow 2:

Average throughput: 273.76 Mbit/s

95th percentile per-packet one-way delay: 322.641 ms

Loss rate: 11.74%

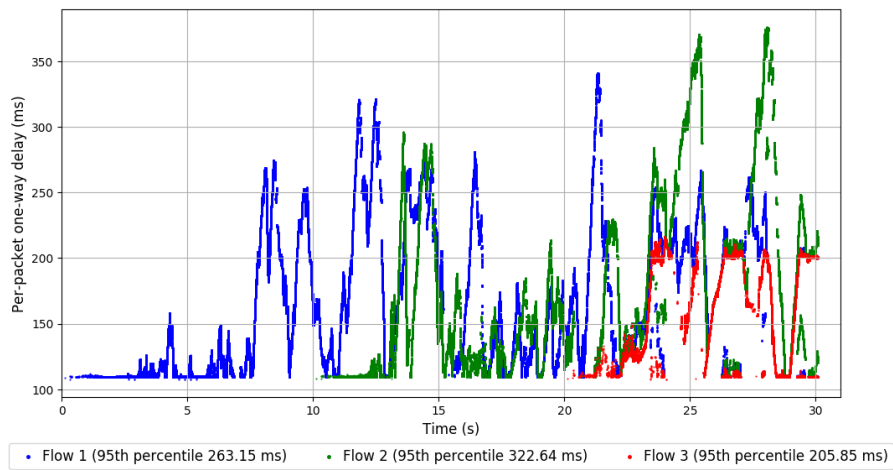
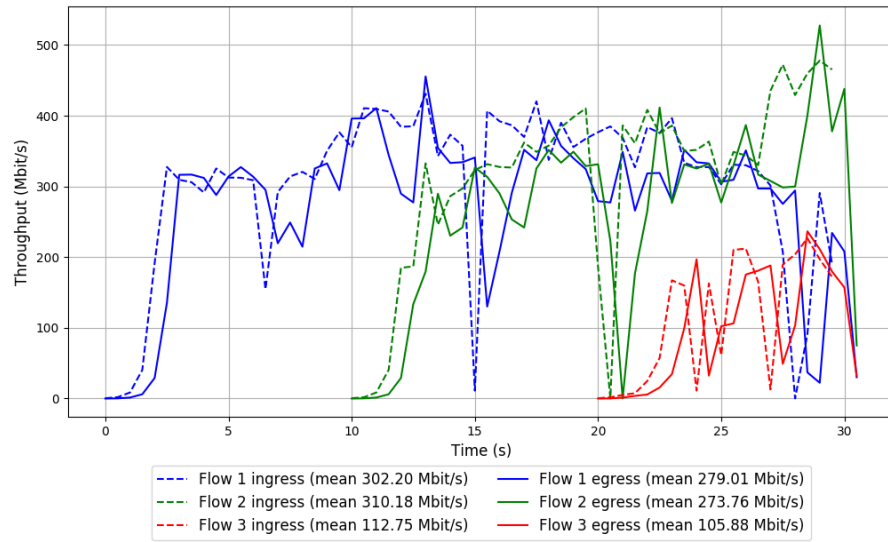
-- Flow 3:

Average throughput: 105.88 Mbit/s

95th percentile per-packet one-way delay: 205.846 ms

Loss rate: 6.10%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-10 04:35:12

End at: 2018-08-10 04:35:42

Local clock offset: 0.375 ms

Remote clock offset: 0.227 ms

Below is generated by plot.py at 2018-08-10 07:10:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 504.69 Mbit/s

95th percentile per-packet one-way delay: 305.117 ms

Loss rate: 7.92%

-- Flow 1:

Average throughput: 314.99 Mbit/s

95th percentile per-packet one-way delay: 308.819 ms

Loss rate: 9.20%

-- Flow 2:

Average throughput: 252.85 Mbit/s

95th percentile per-packet one-way delay: 290.276 ms

Loss rate: 5.95%

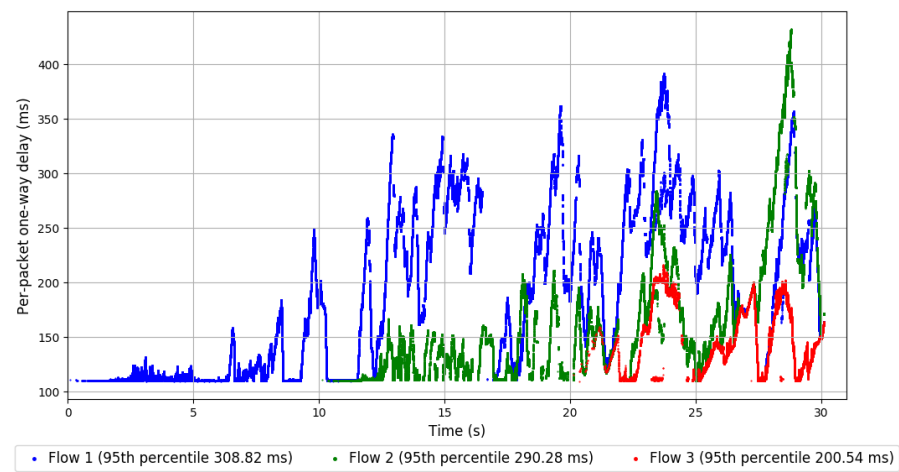
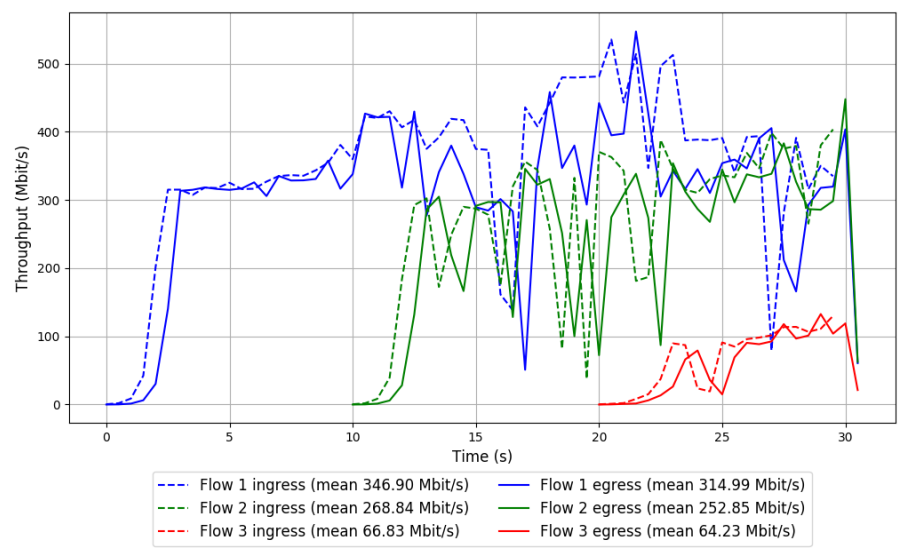
-- Flow 3:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 200.538 ms

Loss rate: 3.95%

Run 6: Report of TCP BBR — Data Link

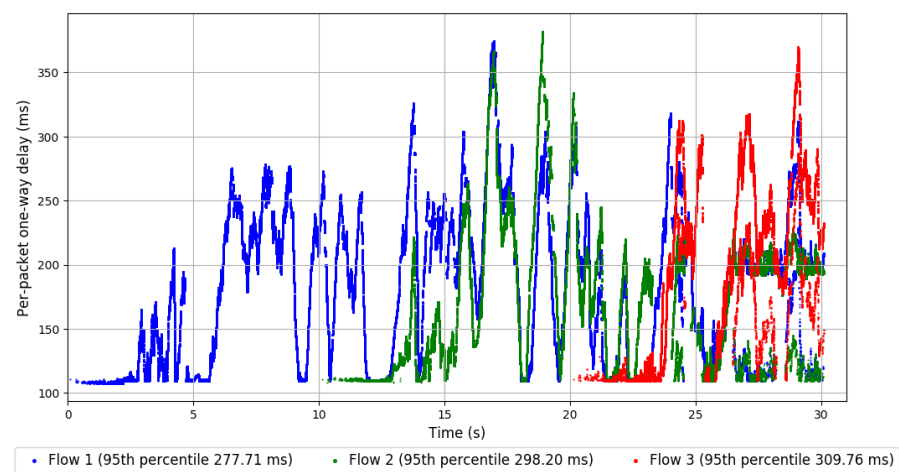
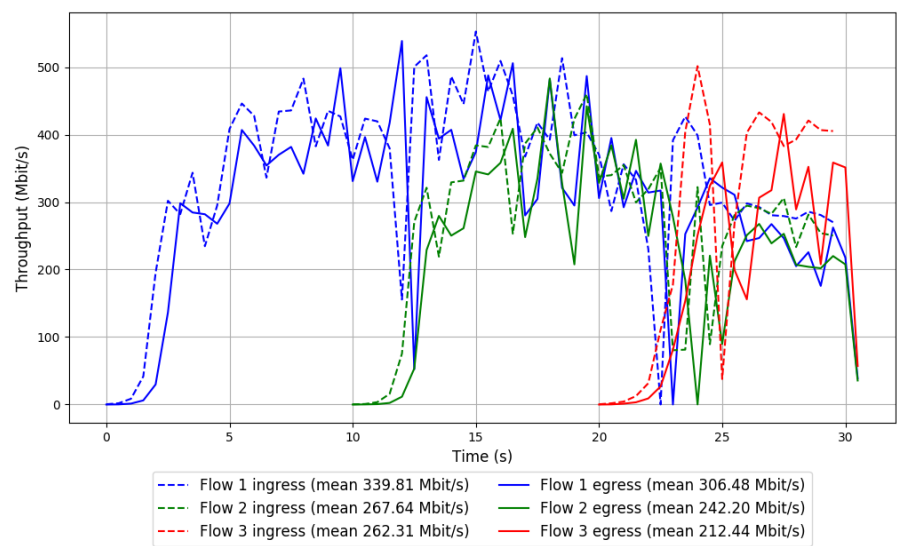


Run 7: Statistics of TCP BBR

Start at: 2018-08-10 05:01:32
End at: 2018-08-10 05:02:02
Local clock offset: 1.056 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-08-10 07:10:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 538.45 Mbit/s
95th percentile per-packet one-way delay: 290.897 ms
Loss rate: 11.05%
-- Flow 1:
Average throughput: 306.48 Mbit/s
95th percentile per-packet one-way delay: 277.708 ms
Loss rate: 9.81%
-- Flow 2:
Average throughput: 242.20 Mbit/s
95th percentile per-packet one-way delay: 298.202 ms
Loss rate: 9.51%
-- Flow 3:
Average throughput: 212.44 Mbit/s
95th percentile per-packet one-way delay: 309.756 ms
Loss rate: 19.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-10 05:28:16

End at: 2018-08-10 05:28:46

Local clock offset: 0.041 ms

Remote clock offset: 0.504 ms

Below is generated by plot.py at 2018-08-10 07:10:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.54 Mbit/s

95th percentile per-packet one-way delay: 194.229 ms

Loss rate: 2.90%

-- Flow 1:

Average throughput: 271.80 Mbit/s

95th percentile per-packet one-way delay: 196.708 ms

Loss rate: 2.23%

-- Flow 2:

Average throughput: 244.37 Mbit/s

95th percentile per-packet one-way delay: 191.019 ms

Loss rate: 2.16%

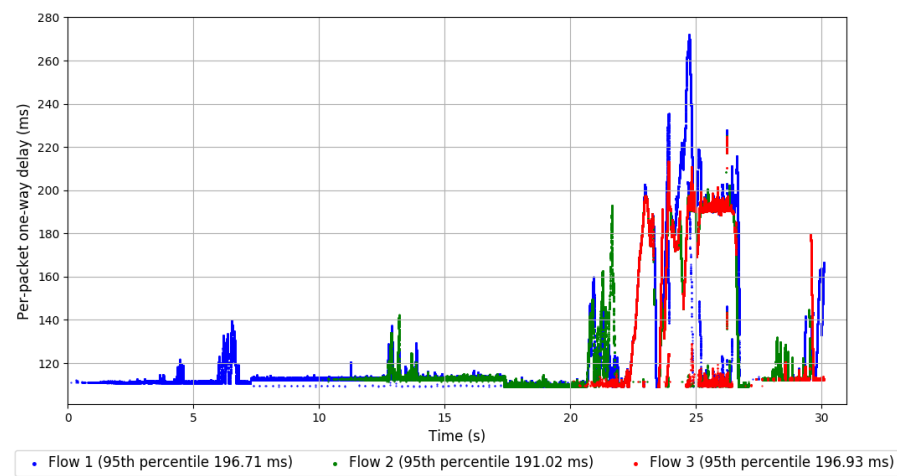
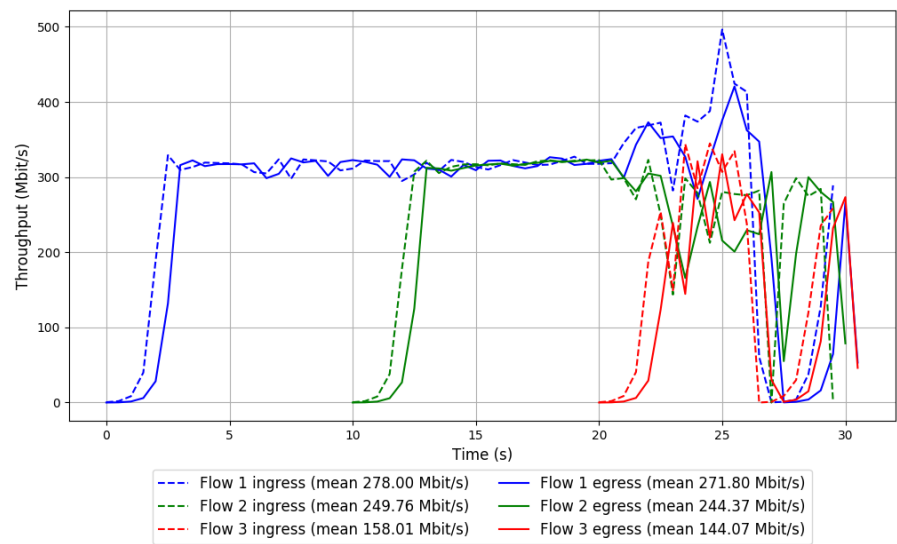
-- Flow 3:

Average throughput: 144.07 Mbit/s

95th percentile per-packet one-way delay: 196.926 ms

Loss rate: 8.83%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-10 05:54:48

End at: 2018-08-10 05:55:18

Local clock offset: -1.272 ms

Remote clock offset: 0.67 ms

Below is generated by plot.py at 2018-08-10 07:11:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 202.02 Mbit/s

95th percentile per-packet one-way delay: 147.449 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 11.42 Mbit/s

95th percentile per-packet one-way delay: 138.731 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 266.22 Mbit/s

95th percentile per-packet one-way delay: 146.563 ms

Loss rate: 0.02%

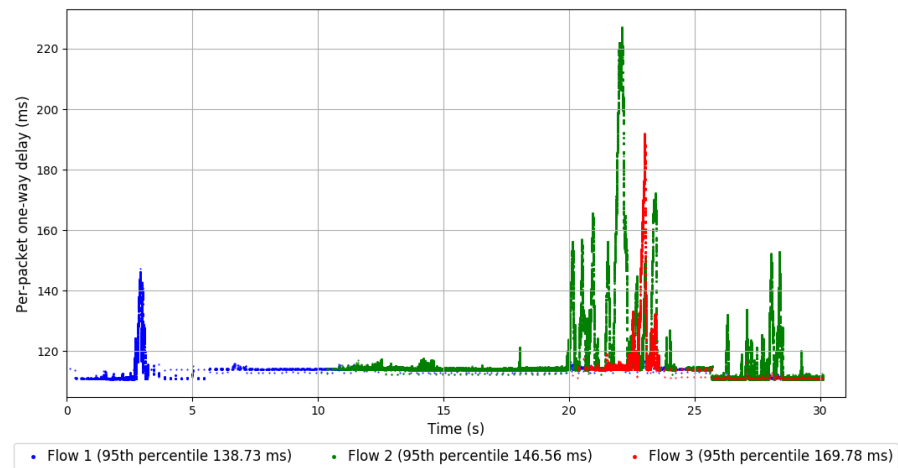
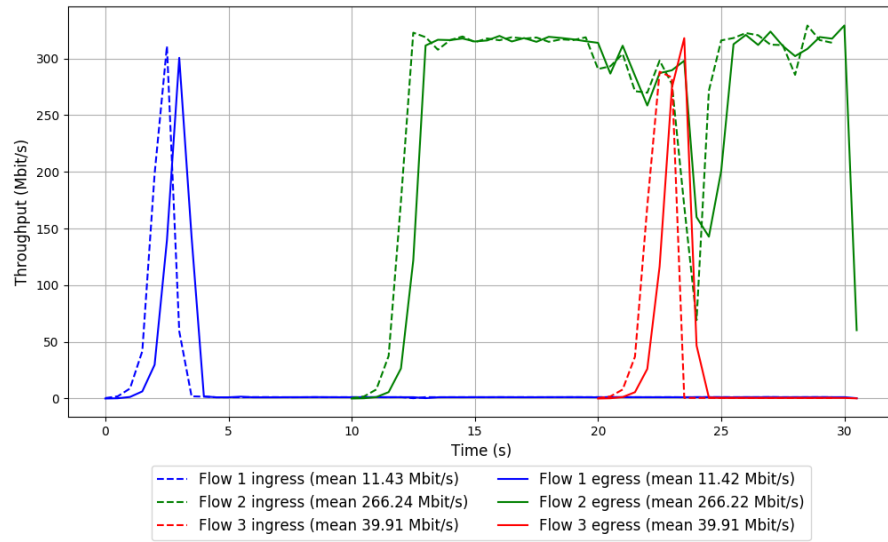
-- Flow 3:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 169.783 ms

Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-10 06:20:55

End at: 2018-08-10 06:21:25

Local clock offset: -0.633 ms

Remote clock offset: 1.125 ms

Below is generated by plot.py at 2018-08-10 07:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 534.12 Mbit/s

95th percentile per-packet one-way delay: 164.067 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 284.00 Mbit/s

95th percentile per-packet one-way delay: 158.066 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 263.10 Mbit/s

95th percentile per-packet one-way delay: 164.127 ms

Loss rate: 0.17%

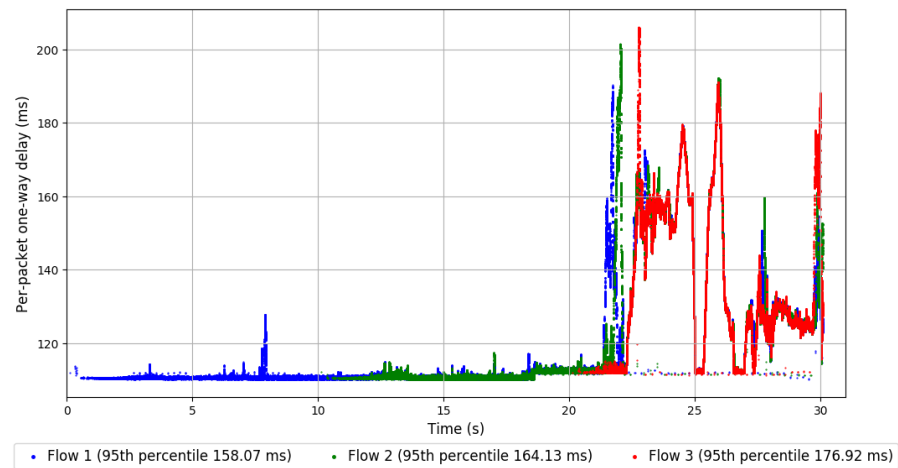
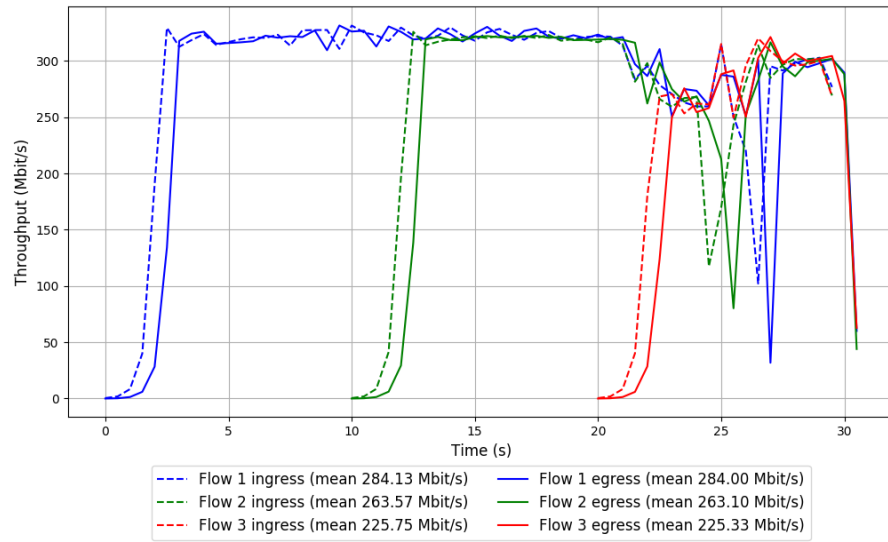
-- Flow 3:

Average throughput: 225.33 Mbit/s

95th percentile per-packet one-way delay: 176.920 ms

Loss rate: 0.15%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-10 02:39:33

End at: 2018-08-10 02:40:03

Local clock offset: -0.822 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-08-10 07:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.58 Mbit/s

95th percentile per-packet one-way delay: 220.637 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 124.50 Mbit/s

95th percentile per-packet one-way delay: 234.050 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 67.35 Mbit/s

95th percentile per-packet one-way delay: 144.577 ms

Loss rate: 0.22%

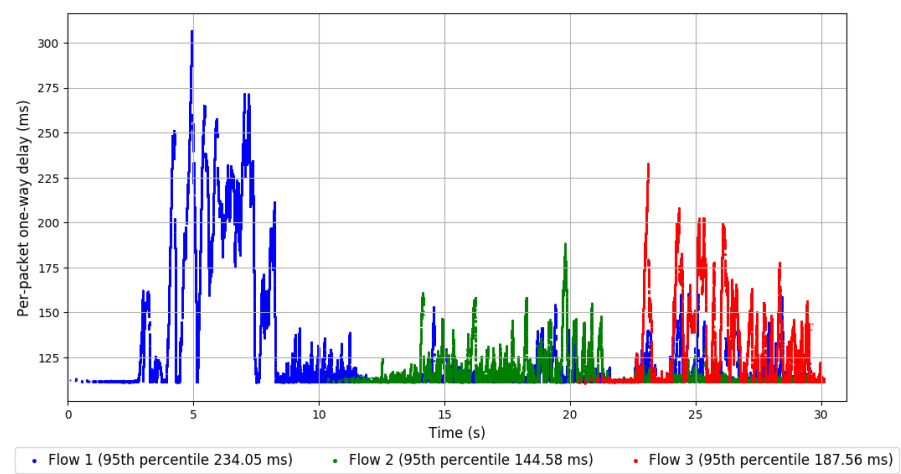
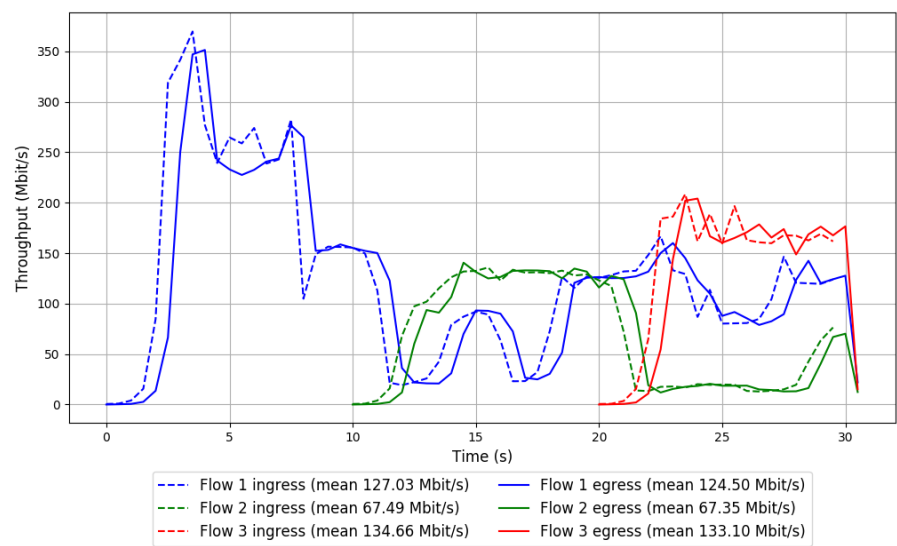
-- Flow 3:

Average throughput: 133.10 Mbit/s

95th percentile per-packet one-way delay: 187.563 ms

Loss rate: 1.15%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-10 03:05:32

End at: 2018-08-10 03:06:02

Local clock offset: -0.37 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-08-10 07:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.29 Mbit/s

95th percentile per-packet one-way delay: 122.197 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 76.09 Mbit/s

95th percentile per-packet one-way delay: 120.789 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 55.91 Mbit/s

95th percentile per-packet one-way delay: 121.623 ms

Loss rate: 0.70%

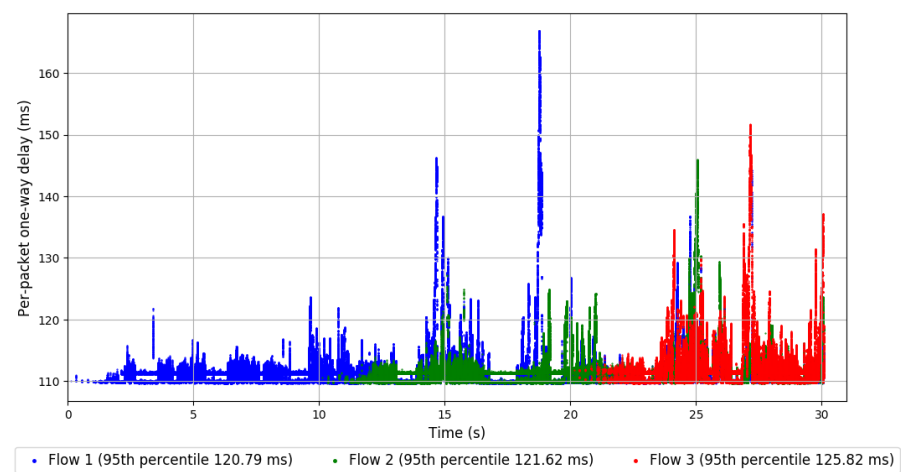
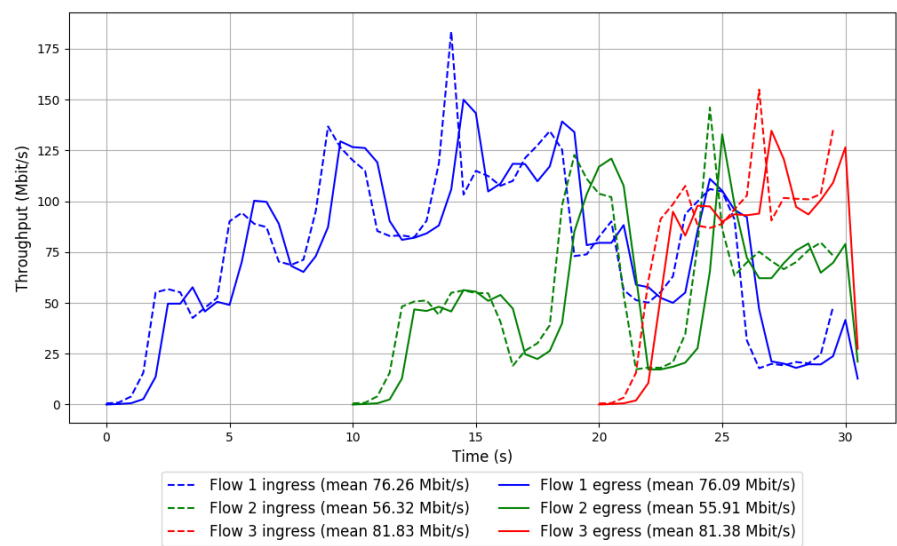
-- Flow 3:

Average throughput: 81.38 Mbit/s

95th percentile per-packet one-way delay: 125.816 ms

Loss rate: 0.55%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-10 03:31:36

End at: 2018-08-10 03:32:06

Local clock offset: -0.06 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-08-10 07:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 174.70 Mbit/s

95th percentile per-packet one-way delay: 159.805 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 176.676 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.63 Mbit/s

95th percentile per-packet one-way delay: 132.312 ms

Loss rate: 0.00%

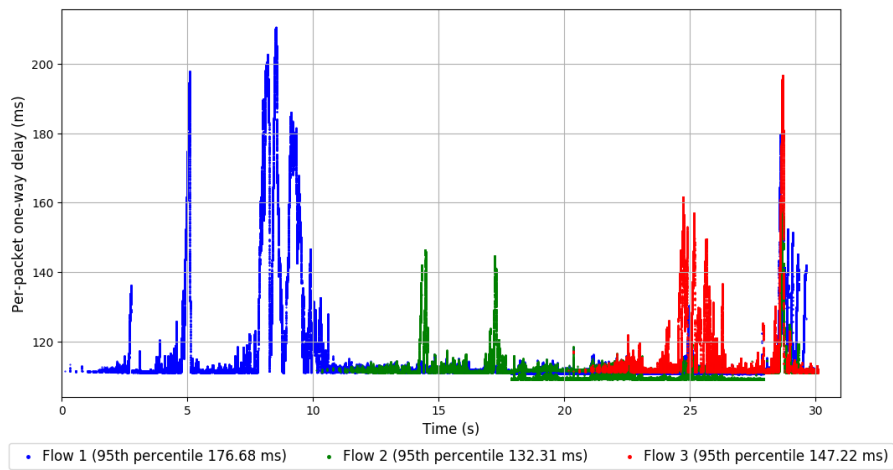
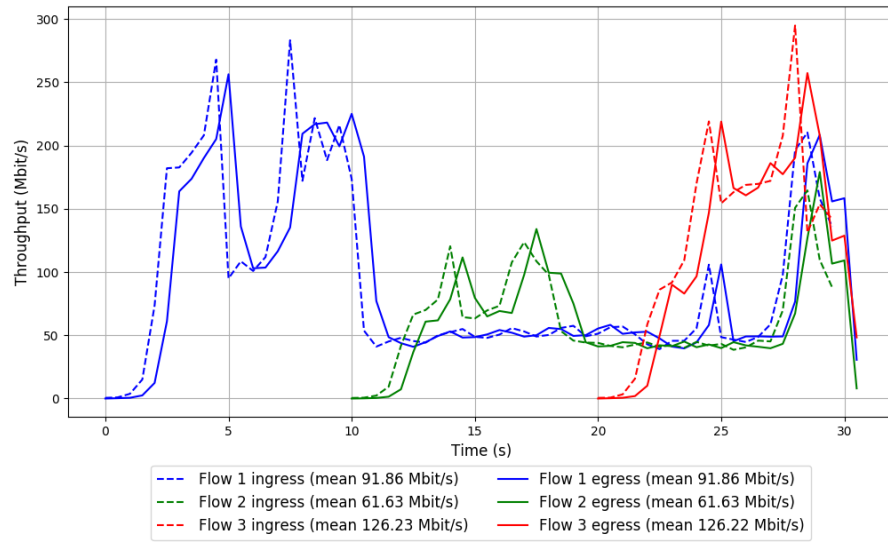
-- Flow 3:

Average throughput: 126.22 Mbit/s

95th percentile per-packet one-way delay: 147.222 ms

Loss rate: 0.01%

Run 3: Report of Copa — Data Link

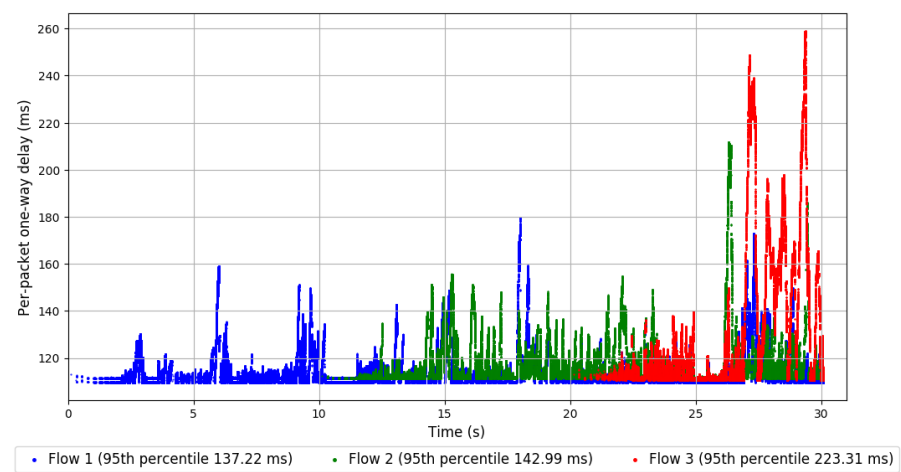
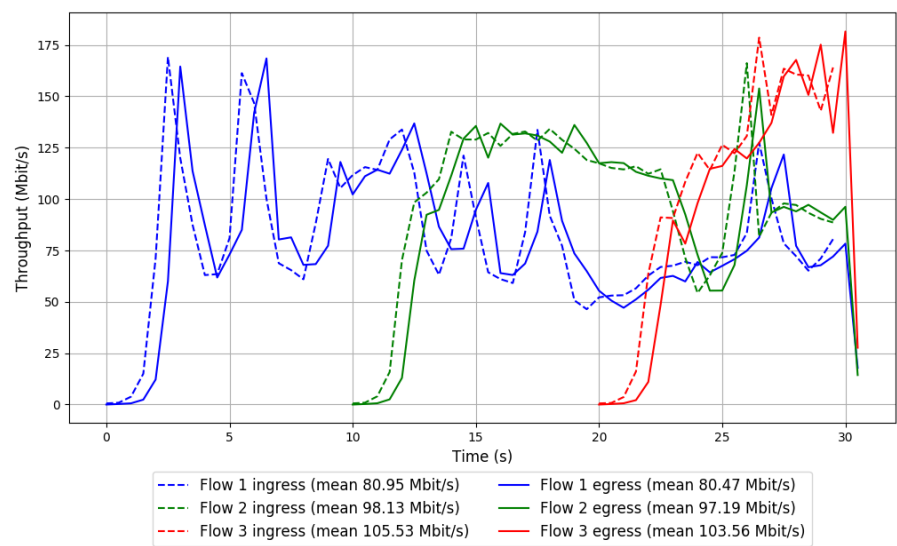


Run 4: Statistics of Copa

Start at: 2018-08-10 03:57:43
End at: 2018-08-10 03:58:13
Local clock offset: -0.497 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-08-10 07:17:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.61 Mbit/s
95th percentile per-packet one-way delay: 160.596 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 80.47 Mbit/s
95th percentile per-packet one-way delay: 137.218 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 142.991 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 103.56 Mbit/s
95th percentile per-packet one-way delay: 223.311 ms
Loss rate: 1.86%

Run 4: Report of Copa — Data Link

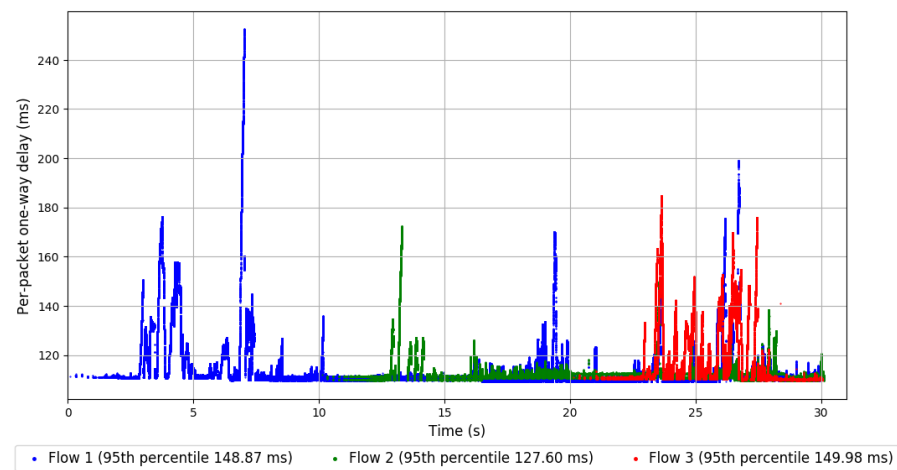
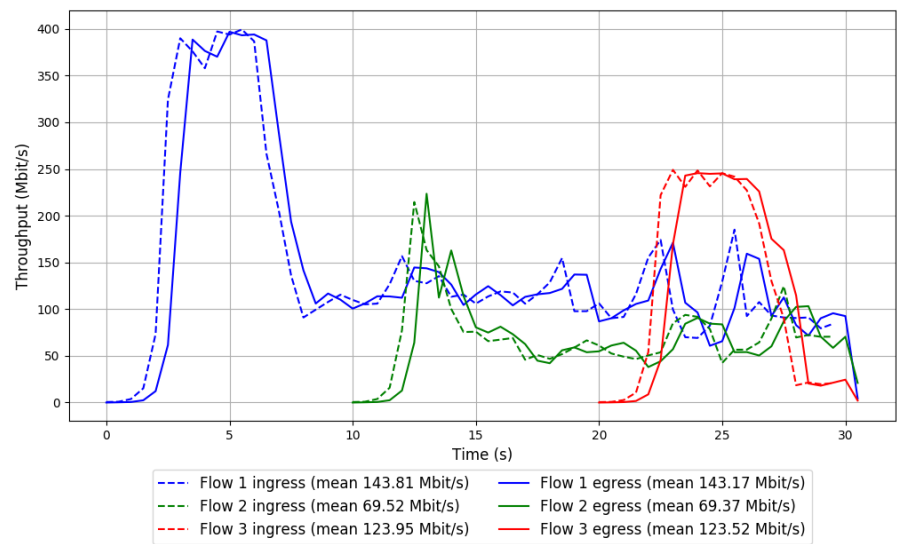


Run 5: Statistics of Copa

Start at: 2018-08-10 04:23:37
End at: 2018-08-10 04:24:07
Local clock offset: -0.013 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-08-10 07:17:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.21 Mbit/s
95th percentile per-packet one-way delay: 147.417 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 143.17 Mbit/s
95th percentile per-packet one-way delay: 148.874 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 127.599 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 123.52 Mbit/s
95th percentile per-packet one-way delay: 149.982 ms
Loss rate: 0.36%

Run 5: Report of Copa — Data Link

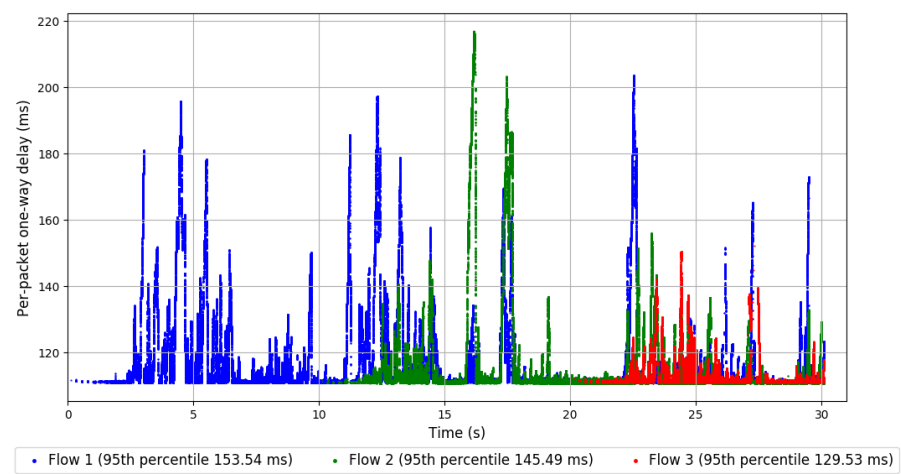
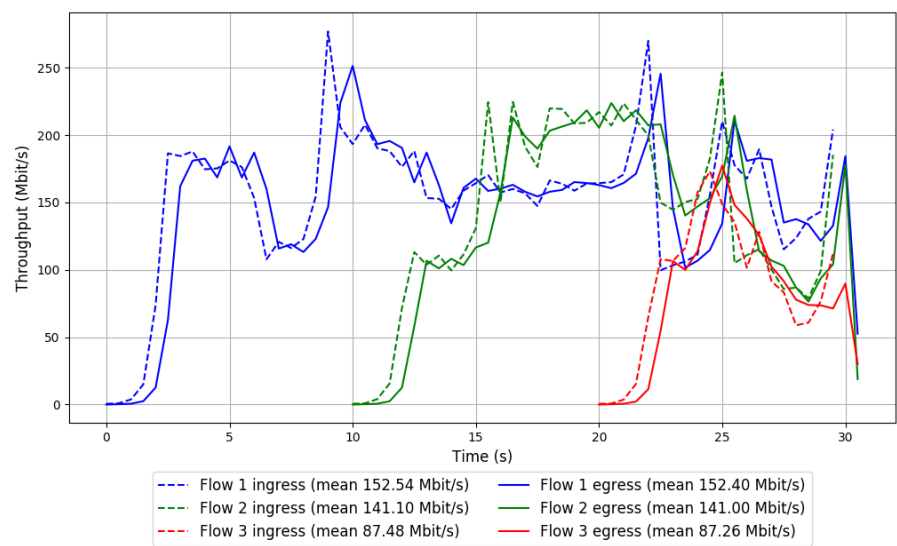


Run 6: Statistics of Copa

Start at: 2018-08-10 04:49:45
End at: 2018-08-10 04:50:15
Local clock offset: 0.072 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-10 07:18:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.32 Mbit/s
95th percentile per-packet one-way delay: 149.534 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 152.40 Mbit/s
95th percentile per-packet one-way delay: 153.541 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 141.00 Mbit/s
95th percentile per-packet one-way delay: 145.491 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 129.527 ms
Loss rate: 0.25%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-10 05:16:25

End at: 2018-08-10 05:16:55

Local clock offset: -0.29 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-08-10 07:18:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 209.76 Mbit/s

95th percentile per-packet one-way delay: 197.201 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 131.198 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 152.34 Mbit/s

95th percentile per-packet one-way delay: 233.873 ms

Loss rate: 0.60%

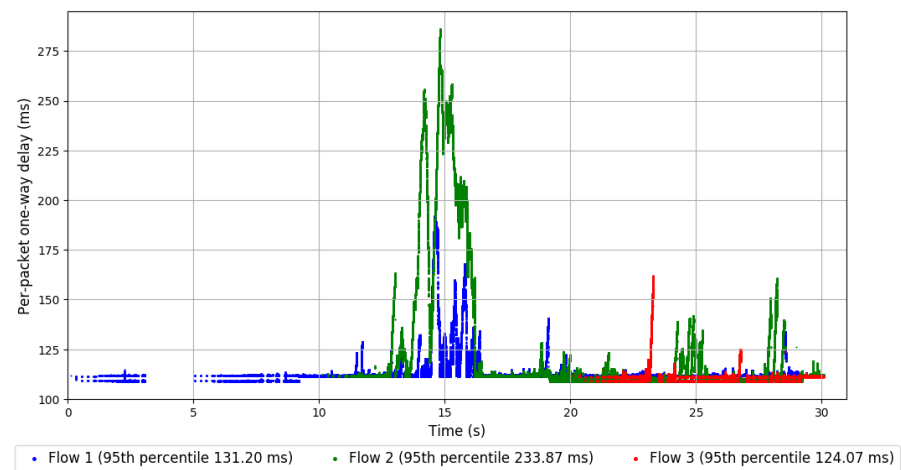
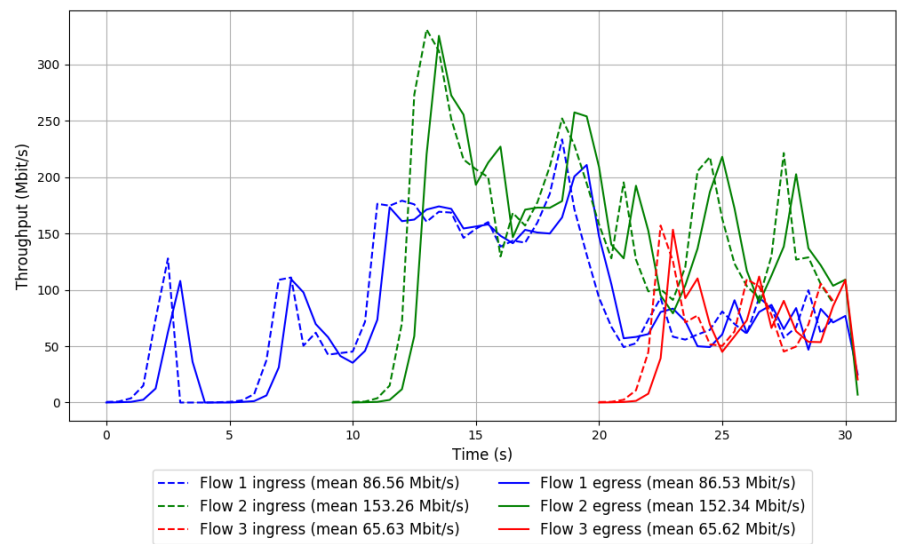
-- Flow 3:

Average throughput: 65.62 Mbit/s

95th percentile per-packet one-way delay: 124.071 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-10 05:42:56

End at: 2018-08-10 05:43:26

Local clock offset: -0.015 ms

Remote clock offset: 0.558 ms

Below is generated by plot.py at 2018-08-10 07:18:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 178.97 Mbit/s

95th percentile per-packet one-way delay: 160.900 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 61.27 Mbit/s

95th percentile per-packet one-way delay: 120.593 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 130.40 Mbit/s

95th percentile per-packet one-way delay: 185.450 ms

Loss rate: 0.21%

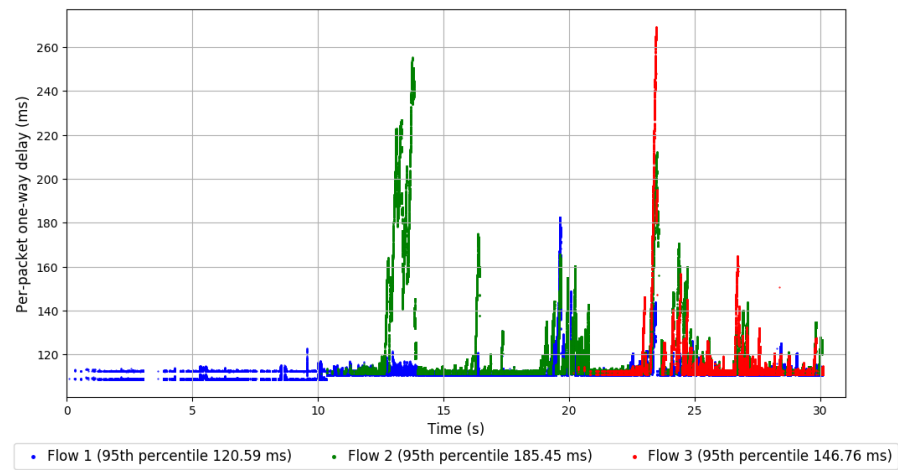
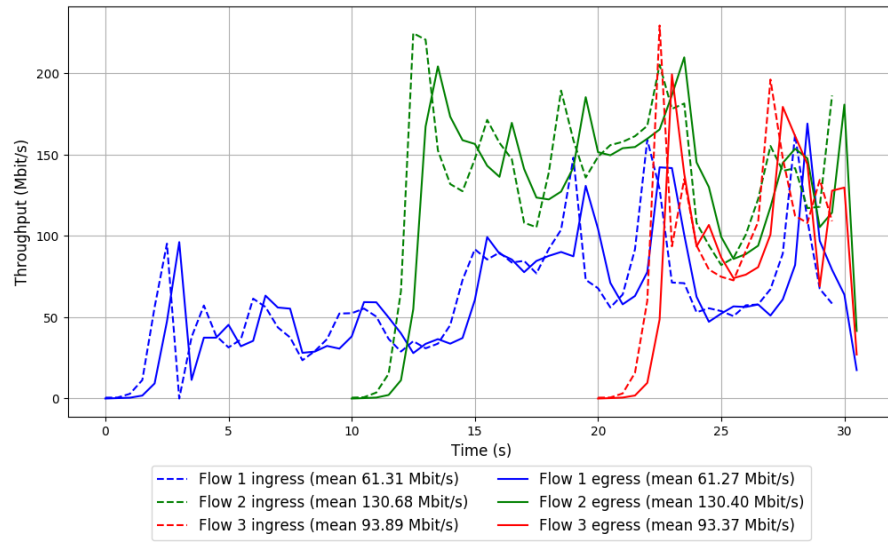
-- Flow 3:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 146.758 ms

Loss rate: 0.56%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-10 06:08:57

End at: 2018-08-10 06:09:27

Local clock offset: 0.336 ms

Remote clock offset: 0.744 ms

Below is generated by plot.py at 2018-08-10 07:19:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 156.45 Mbit/s

95th percentile per-packet one-way delay: 134.987 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 79.33 Mbit/s

95th percentile per-packet one-way delay: 123.984 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.95 Mbit/s

95th percentile per-packet one-way delay: 132.482 ms

Loss rate: 0.01%

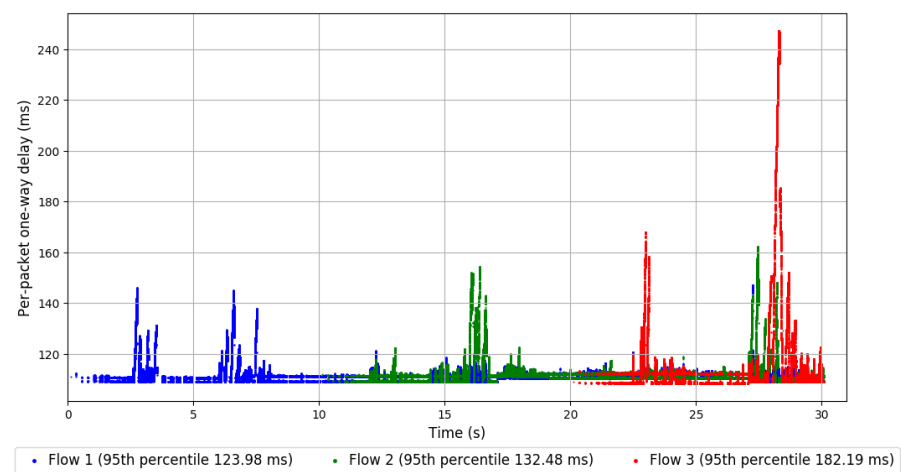
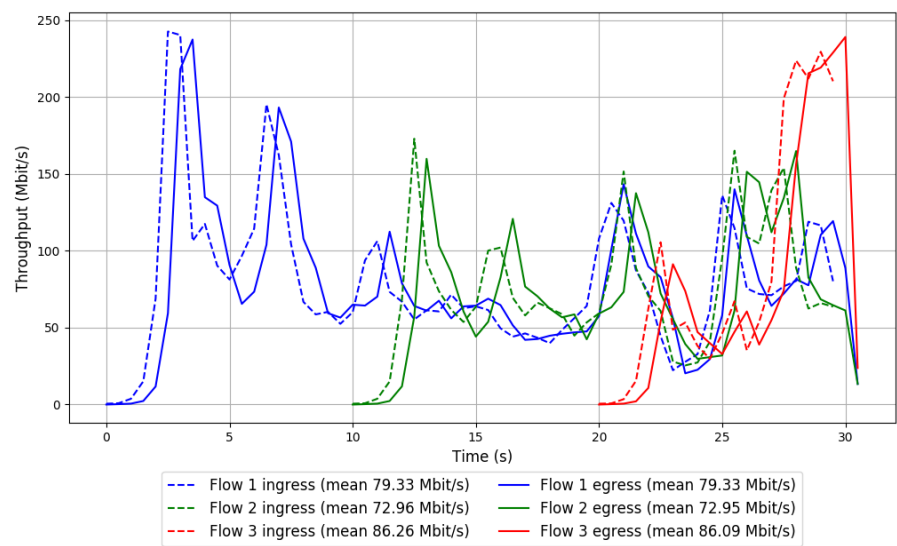
-- Flow 3:

Average throughput: 86.09 Mbit/s

95th percentile per-packet one-way delay: 182.191 ms

Loss rate: 0.19%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-10 06:37:18

End at: 2018-08-10 06:37:48

Local clock offset: -1.517 ms

Remote clock offset: 0.652 ms

Below is generated by plot.py at 2018-08-10 07:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 331.61 Mbit/s

95th percentile per-packet one-way delay: 186.669 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 167.88 Mbit/s

95th percentile per-packet one-way delay: 179.272 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 208.86 Mbit/s

95th percentile per-packet one-way delay: 201.177 ms

Loss rate: 0.42%

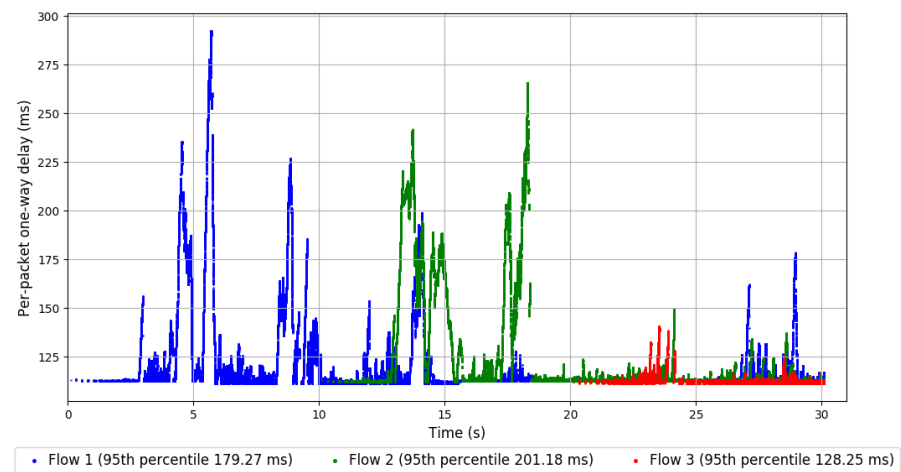
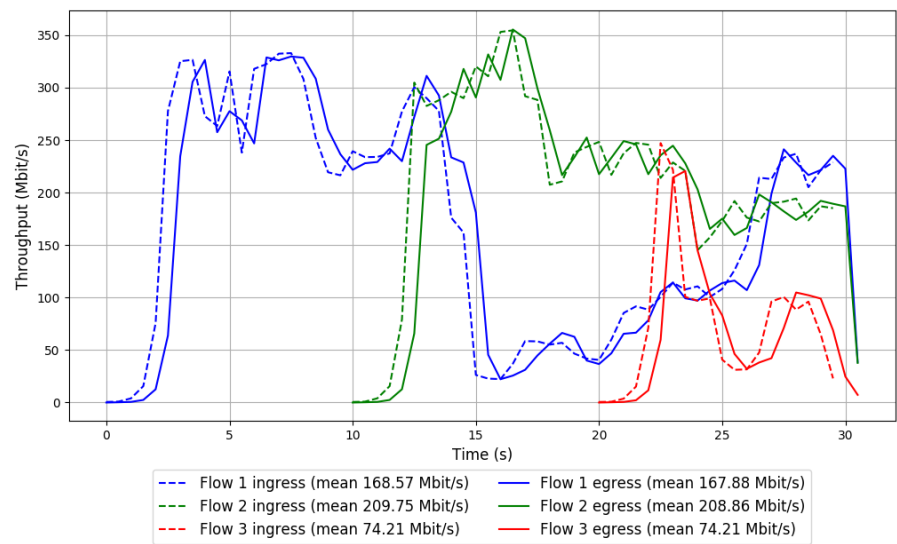
-- Flow 3:

Average throughput: 74.21 Mbit/s

95th percentile per-packet one-way delay: 128.246 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

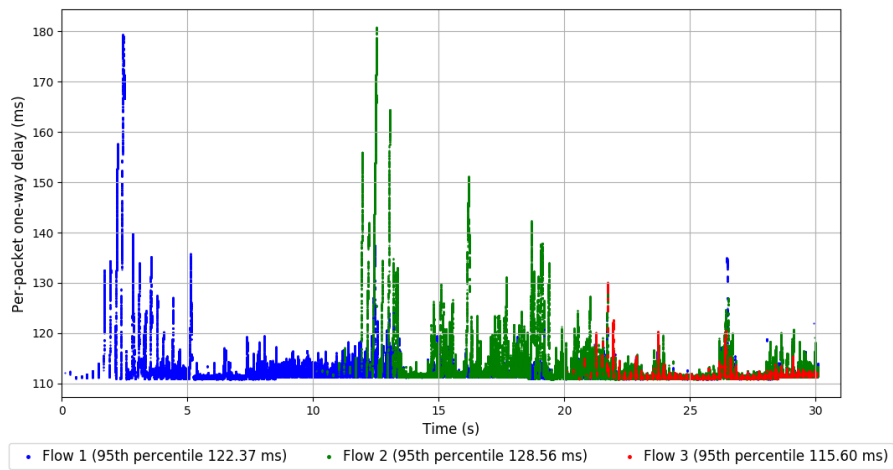
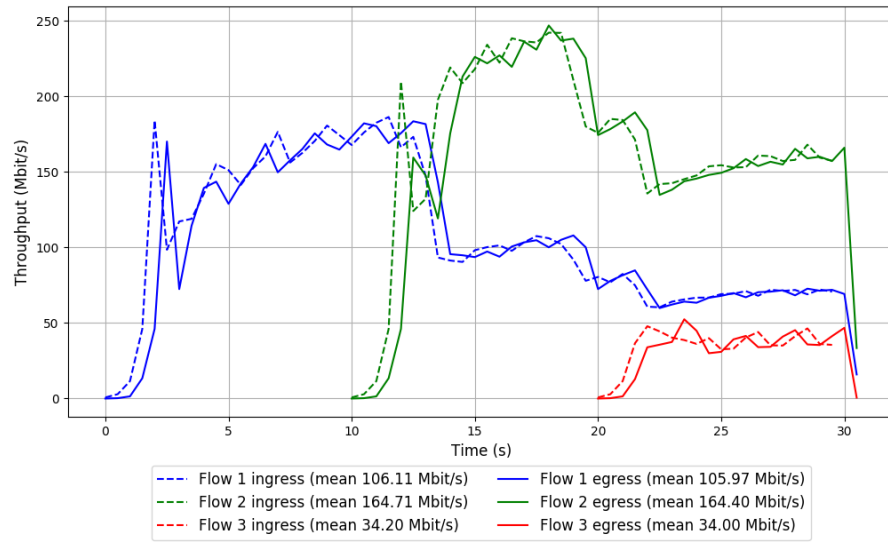


Run 1: Statistics of TCP Cubic

Start at: 2018-08-10 02:38:05
End at: 2018-08-10 02:38:35
Local clock offset: -0.647 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-08-10 07:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.73 Mbit/s
95th percentile per-packet one-way delay: 125.052 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 105.97 Mbit/s
95th percentile per-packet one-way delay: 122.366 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 164.40 Mbit/s
95th percentile per-packet one-way delay: 128.555 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 115.597 ms
Loss rate: 0.58%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-10 03:04:09

End at: 2018-08-10 03:04:39

Local clock offset: 0.84 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-10 07:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.66 Mbit/s

95th percentile per-packet one-way delay: 140.034 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 118.42 Mbit/s

95th percentile per-packet one-way delay: 150.074 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 22.00 Mbit/s

95th percentile per-packet one-way delay: 116.060 ms

Loss rate: 0.02%

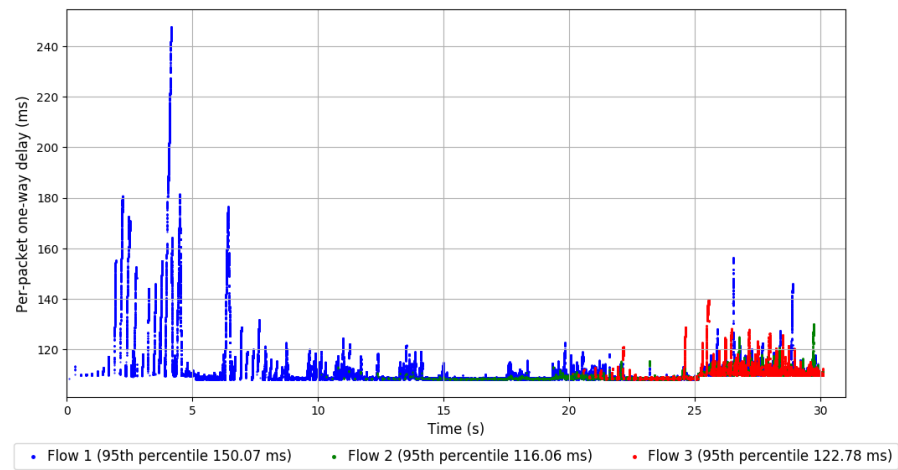
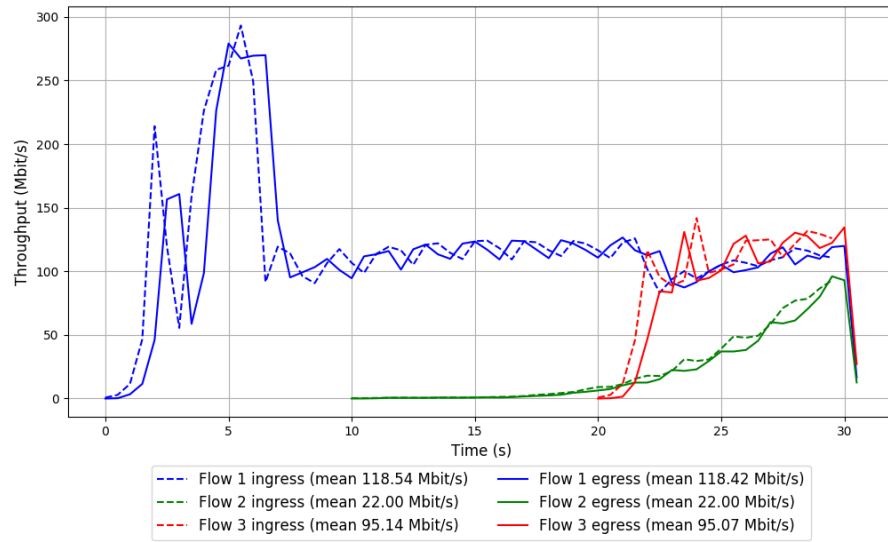
-- Flow 3:

Average throughput: 95.07 Mbit/s

95th percentile per-packet one-way delay: 122.785 ms

Loss rate: 0.07%

Run 2: Report of TCP Cubic — Data Link

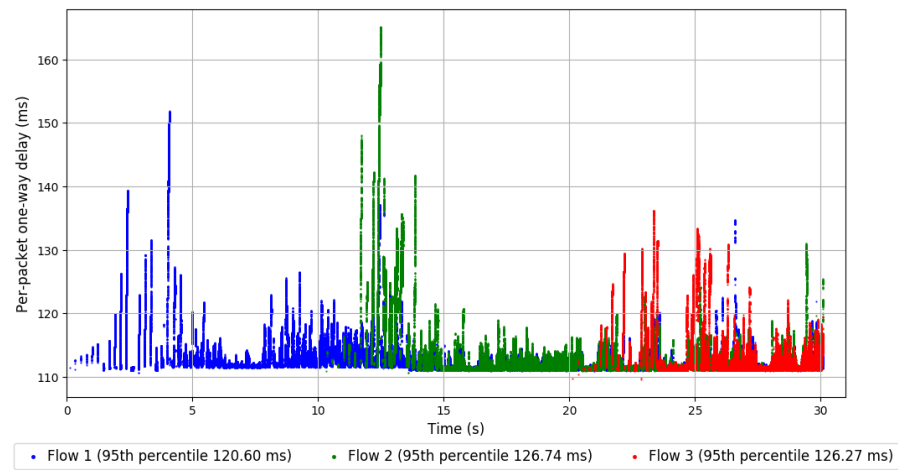
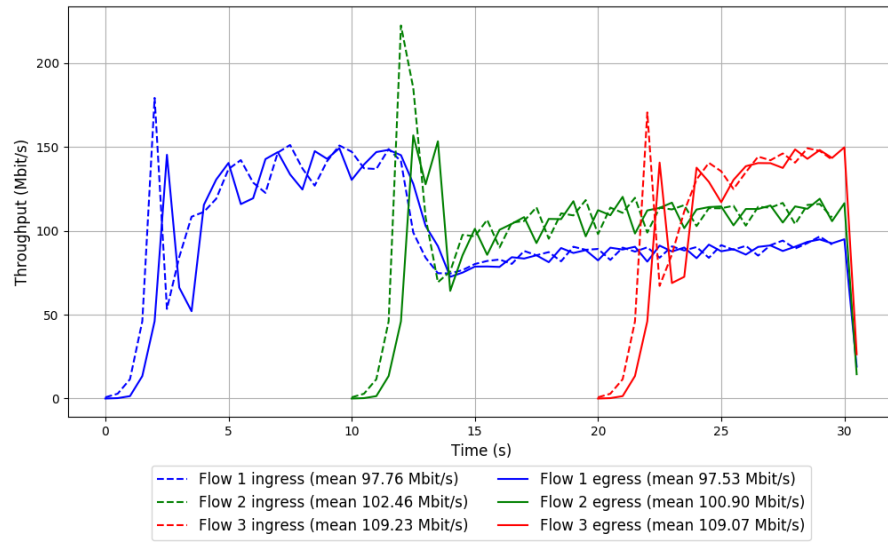


Run 3: Statistics of TCP Cubic

Start at: 2018-08-10 03:30:10
End at: 2018-08-10 03:30:40
Local clock offset: -0.278 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-08-10 07:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.99 Mbit/s
95th percentile per-packet one-way delay: 123.808 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 97.53 Mbit/s
95th percentile per-packet one-way delay: 120.596 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 100.90 Mbit/s
95th percentile per-packet one-way delay: 126.742 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 109.07 Mbit/s
95th percentile per-packet one-way delay: 126.268 ms
Loss rate: 0.09%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-10 03:56:14

End at: 2018-08-10 03:56:44

Local clock offset: -0.746 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-08-10 07:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.94 Mbit/s

95th percentile per-packet one-way delay: 177.390 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 185.78 Mbit/s

95th percentile per-packet one-way delay: 182.448 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 98.14 Mbit/s

95th percentile per-packet one-way delay: 149.732 ms

Loss rate: 0.10%

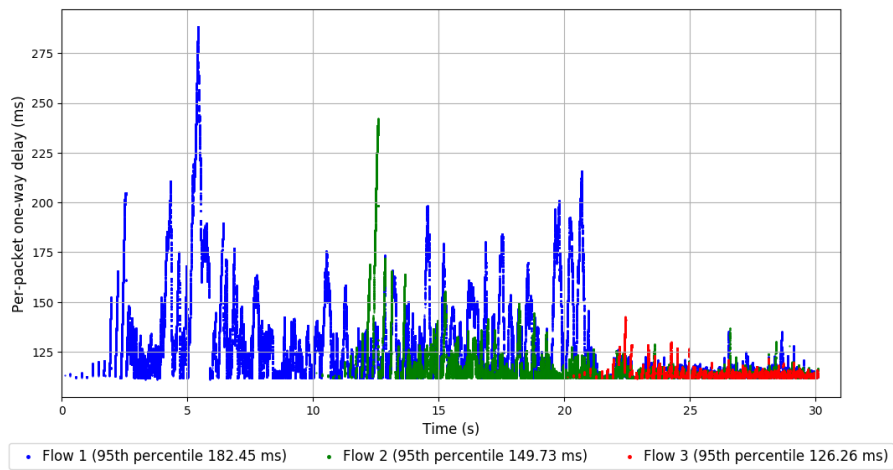
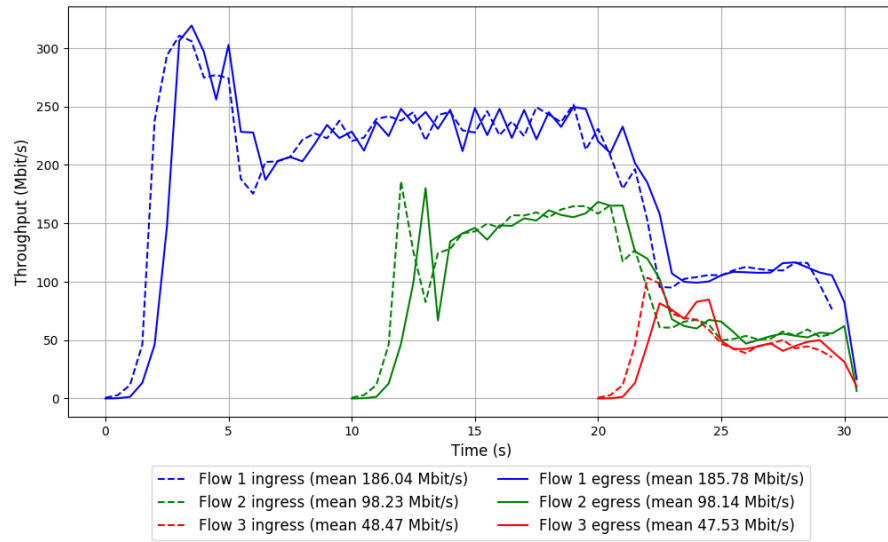
-- Flow 3:

Average throughput: 47.53 Mbit/s

95th percentile per-packet one-way delay: 126.262 ms

Loss rate: 1.94%

Run 4: Report of TCP Cubic — Data Link

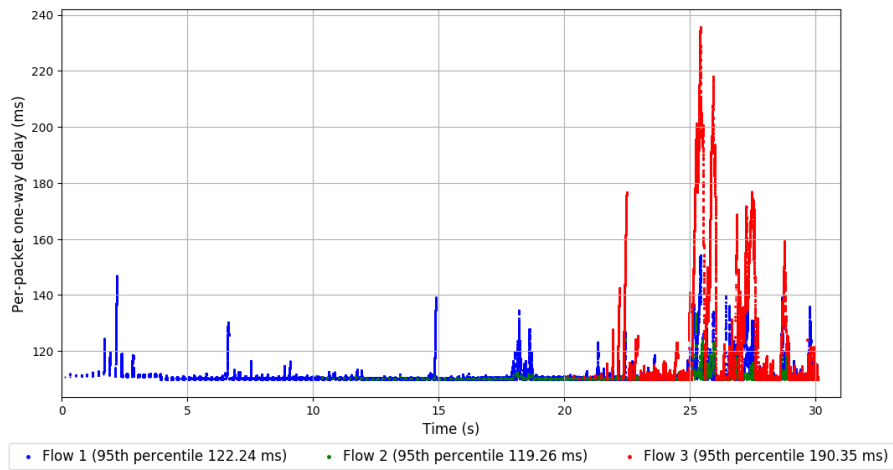
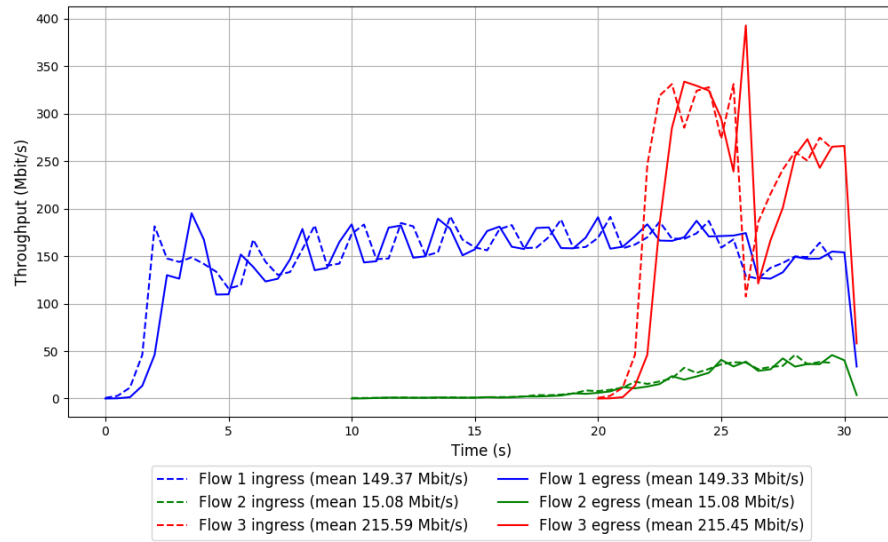


Run 5: Statistics of TCP Cubic

Start at: 2018-08-10 04:22:10
End at: 2018-08-10 04:22:40
Local clock offset: -0.103 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-08-10 07:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.81 Mbit/s
95th percentile per-packet one-way delay: 146.716 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 149.33 Mbit/s
95th percentile per-packet one-way delay: 122.236 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 119.259 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 215.45 Mbit/s
95th percentile per-packet one-way delay: 190.353 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

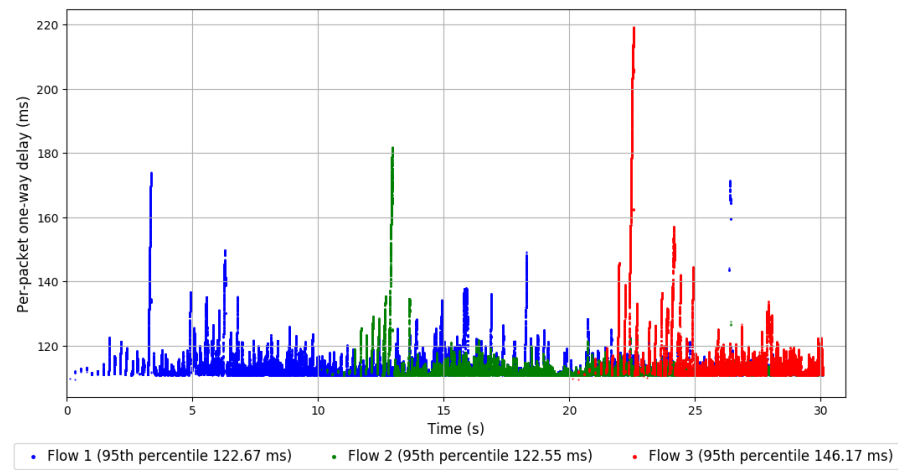
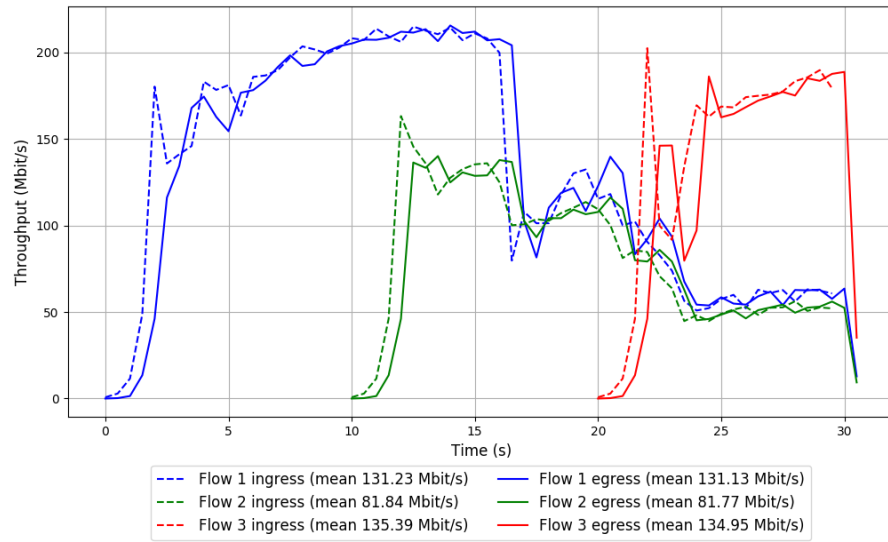


Run 6: Statistics of TCP Cubic

Start at: 2018-08-10 04:48:18
End at: 2018-08-10 04:48:48
Local clock offset: 0.025 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-10 07:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.42 Mbit/s
95th percentile per-packet one-way delay: 126.264 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 131.13 Mbit/s
95th percentile per-packet one-way delay: 122.669 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 122.554 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 134.95 Mbit/s
95th percentile per-packet one-way delay: 146.166 ms
Loss rate: 0.29%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-10 05:14:51

End at: 2018-08-10 05:15:21

Local clock offset: 1.206 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at 2018-08-10 07:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 354.02 Mbit/s

95th percentile per-packet one-way delay: 128.091 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 260.84 Mbit/s

95th percentile per-packet one-way delay: 130.390 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 97.95 Mbit/s

95th percentile per-packet one-way delay: 119.623 ms

Loss rate: 0.03%

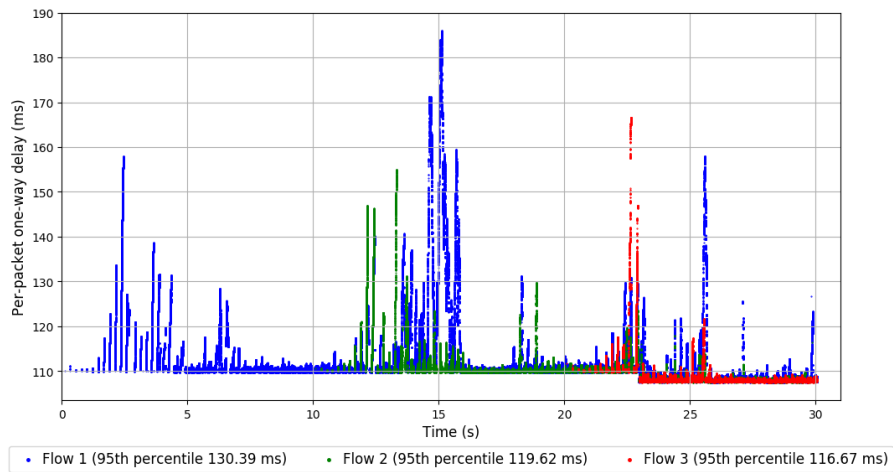
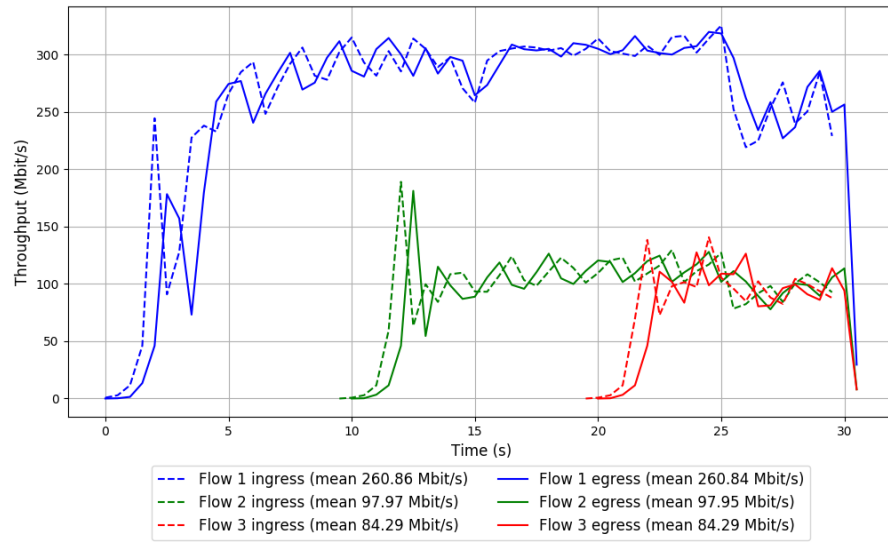
-- Flow 3:

Average throughput: 84.29 Mbit/s

95th percentile per-packet one-way delay: 116.665 ms

Loss rate: 0.03%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-10 05:41:31

End at: 2018-08-10 05:42:01

Local clock offset: 0.762 ms

Remote clock offset: 0.958 ms

Below is generated by plot.py at 2018-08-10 07:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 183.01 Mbit/s

95th percentile per-packet one-way delay: 139.355 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 157.25 Mbit/s

95th percentile per-packet one-way delay: 126.925 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.96 Mbit/s

95th percentile per-packet one-way delay: 179.312 ms

Loss rate: 0.01%

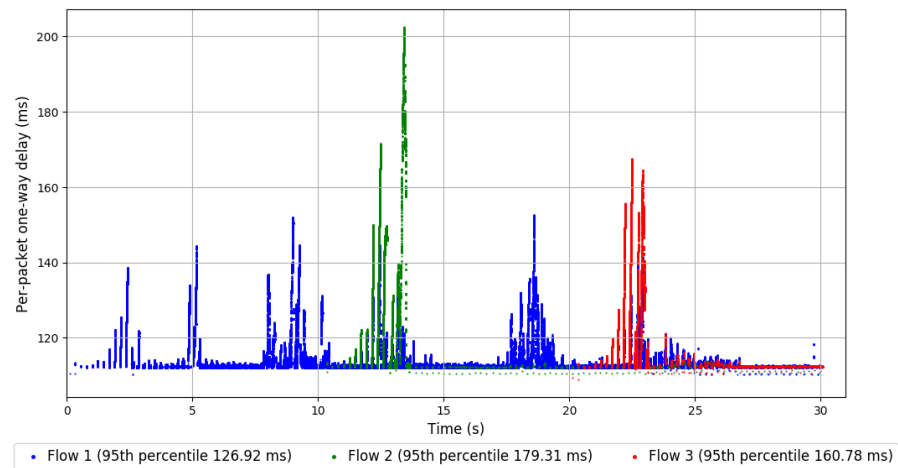
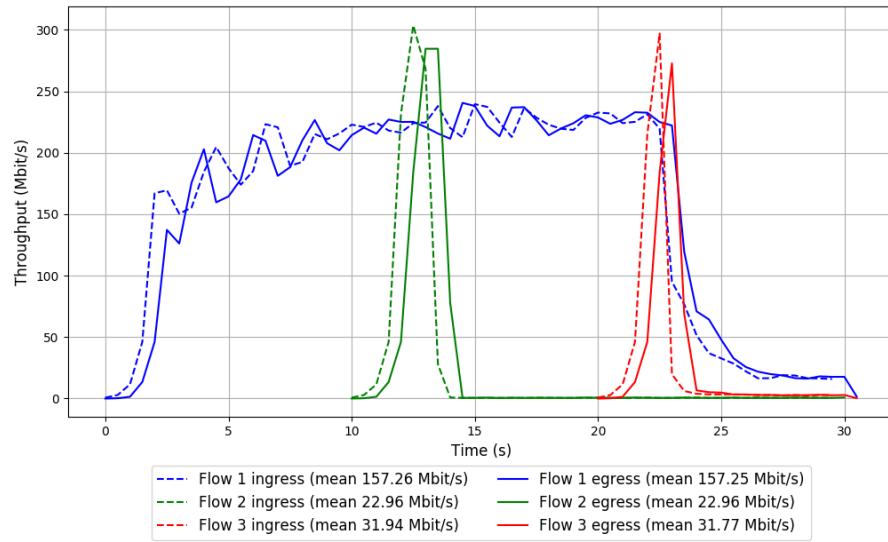
-- Flow 3:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 160.784 ms

Loss rate: 0.51%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-10 06:07:36

End at: 2018-08-10 06:08:06

Local clock offset: 0.524 ms

Remote clock offset: 0.723 ms

Below is generated by plot.py at 2018-08-10 07:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.76 Mbit/s

95th percentile per-packet one-way delay: 112.325 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 82.56 Mbit/s

95th percentile per-packet one-way delay: 112.241 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 62.66 Mbit/s

95th percentile per-packet one-way delay: 112.806 ms

Loss rate: 0.58%

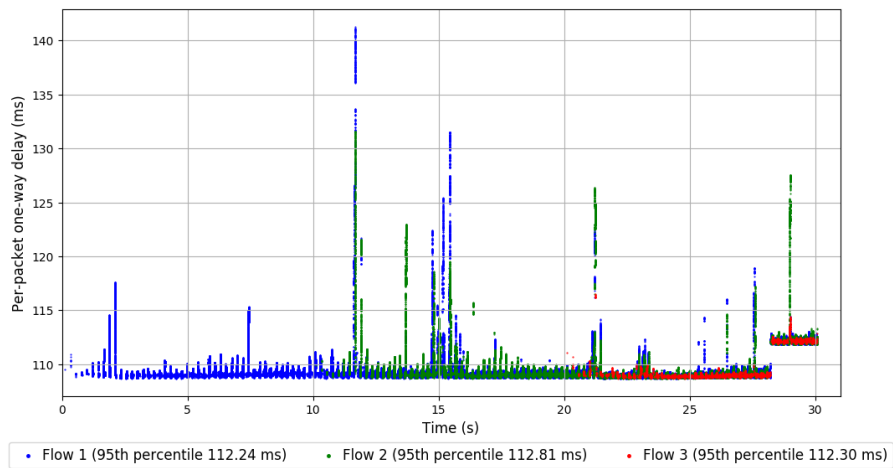
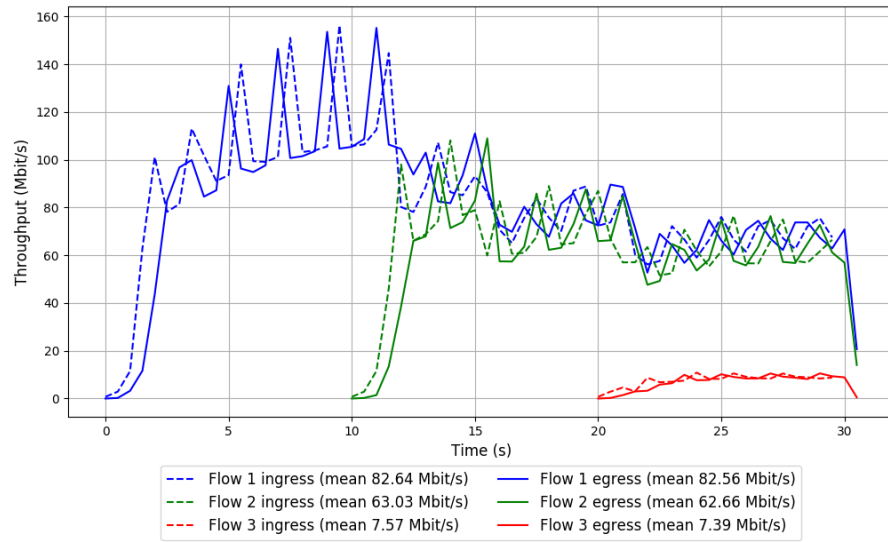
-- Flow 3:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 112.297 ms

Loss rate: 2.31%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-10 06:35:57

End at: 2018-08-10 06:36:27

Local clock offset: 0.124 ms

Remote clock offset: 0.786 ms

Below is generated by plot.py at 2018-08-10 07:25:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.38 Mbit/s

95th percentile per-packet one-way delay: 124.999 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 123.172 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 136.67 Mbit/s

95th percentile per-packet one-way delay: 122.988 ms

Loss rate: 0.16%

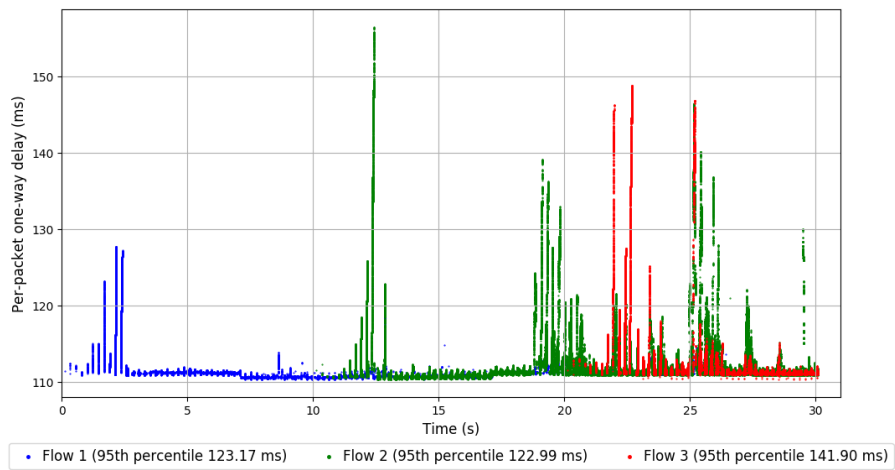
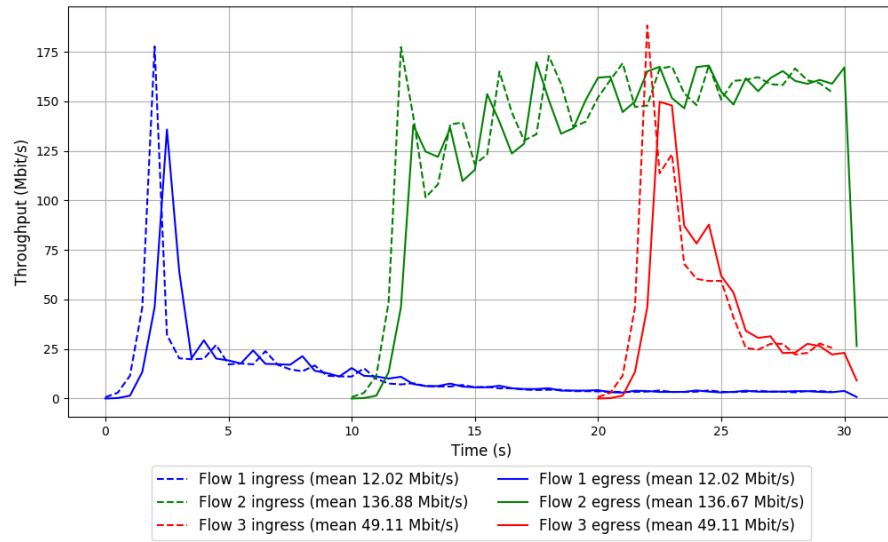
-- Flow 3:

Average throughput: 49.11 Mbit/s

95th percentile per-packet one-way delay: 141.898 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

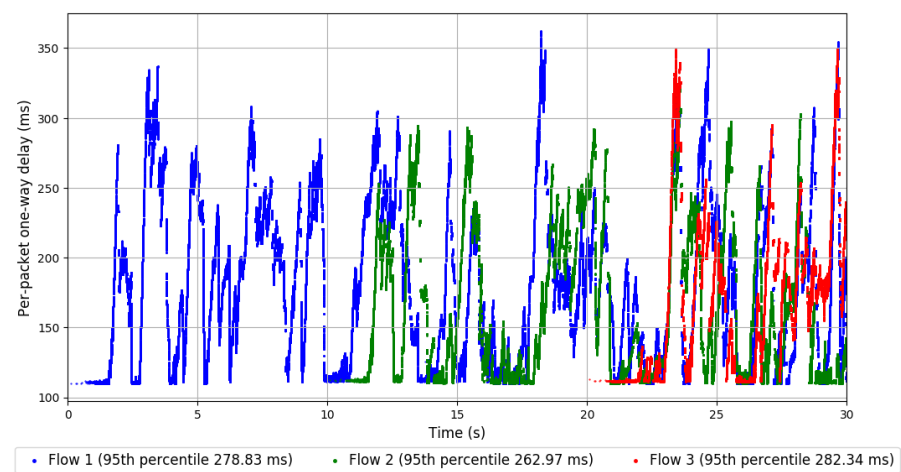
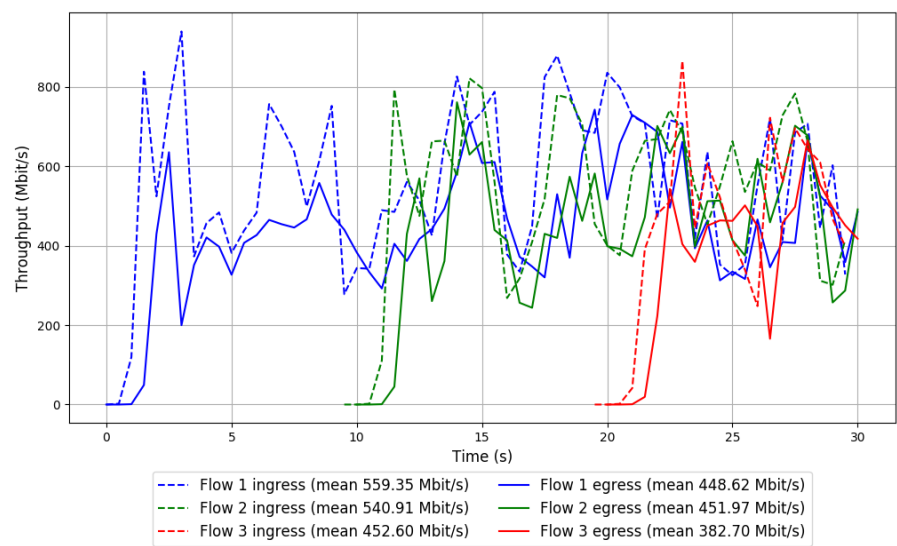


Run 1: Statistics of FillP

Start at: 2018-08-10 02:21:30
End at: 2018-08-10 02:22:00
Local clock offset: -0.537 ms
Remote clock offset: -0.573 ms

Below is generated by plot.py at 2018-08-10 07:38:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 876.58 Mbit/s
95th percentile per-packet one-way delay: 274.041 ms
Loss rate: 18.06%
-- Flow 1:
Average throughput: 448.62 Mbit/s
95th percentile per-packet one-way delay: 278.833 ms
Loss rate: 19.79%
-- Flow 2:
Average throughput: 451.97 Mbit/s
95th percentile per-packet one-way delay: 262.971 ms
Loss rate: 16.44%
-- Flow 3:
Average throughput: 382.70 Mbit/s
95th percentile per-packet one-way delay: 282.343 ms
Loss rate: 15.45%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-10 02:47:51

End at: 2018-08-10 02:48:21

Local clock offset: -0.969 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-08-10 07:42:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 996.45 Mbit/s

95th percentile per-packet one-way delay: 263.246 ms

Loss rate: 16.98%

-- Flow 1:

Average throughput: 522.73 Mbit/s

95th percentile per-packet one-way delay: 268.534 ms

Loss rate: 17.52%

-- Flow 2:

Average throughput: 502.77 Mbit/s

95th percentile per-packet one-way delay: 261.942 ms

Loss rate: 16.22%

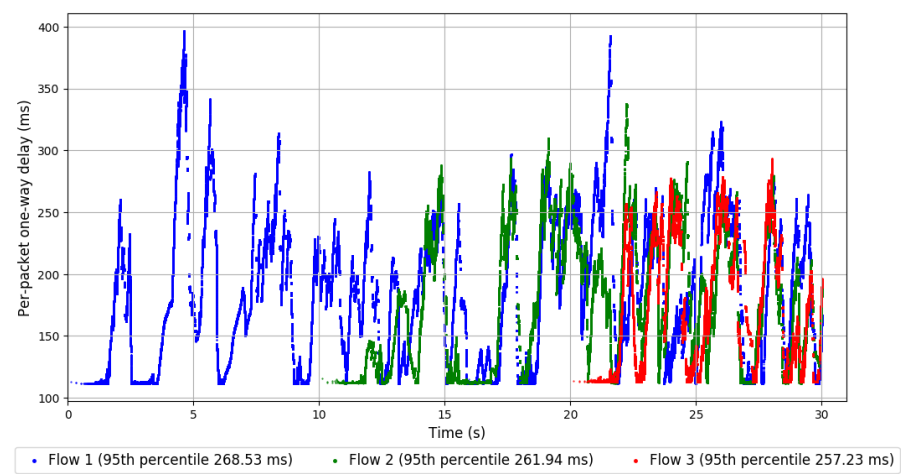
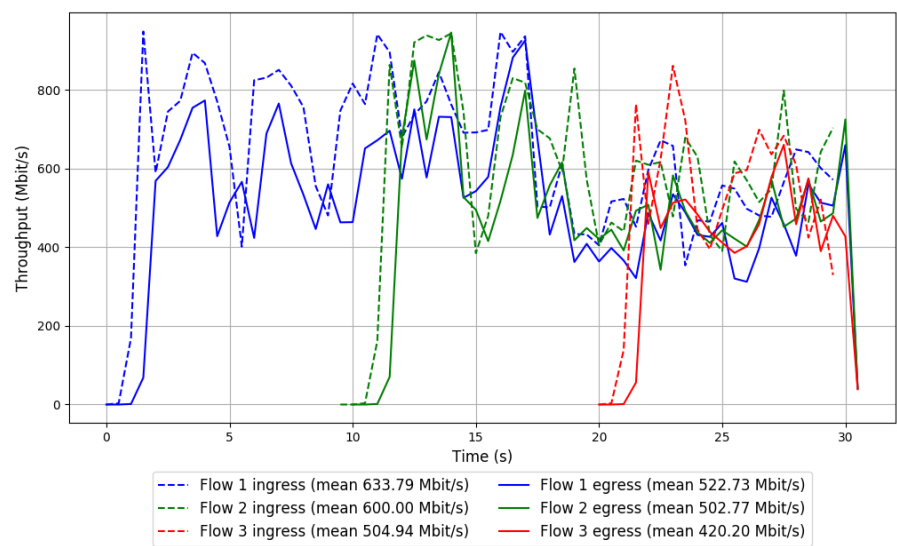
-- Flow 3:

Average throughput: 420.20 Mbit/s

95th percentile per-packet one-way delay: 257.234 ms

Loss rate: 16.76%

Run 2: Report of FillP — Data Link

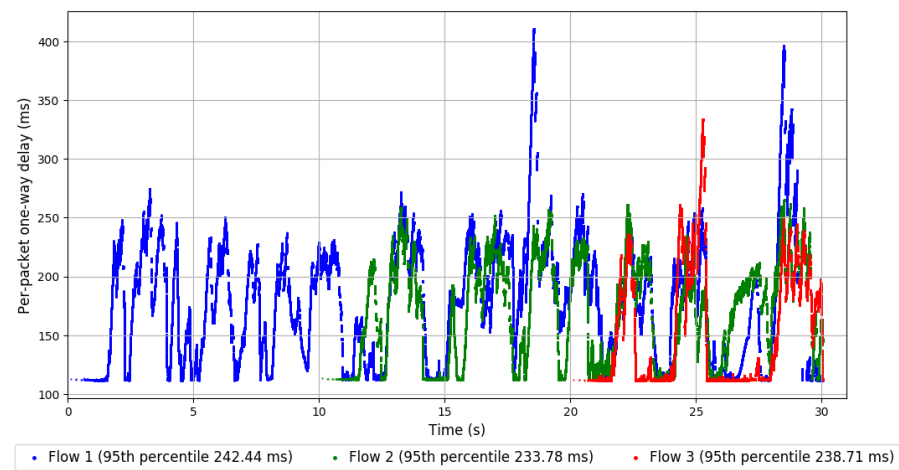
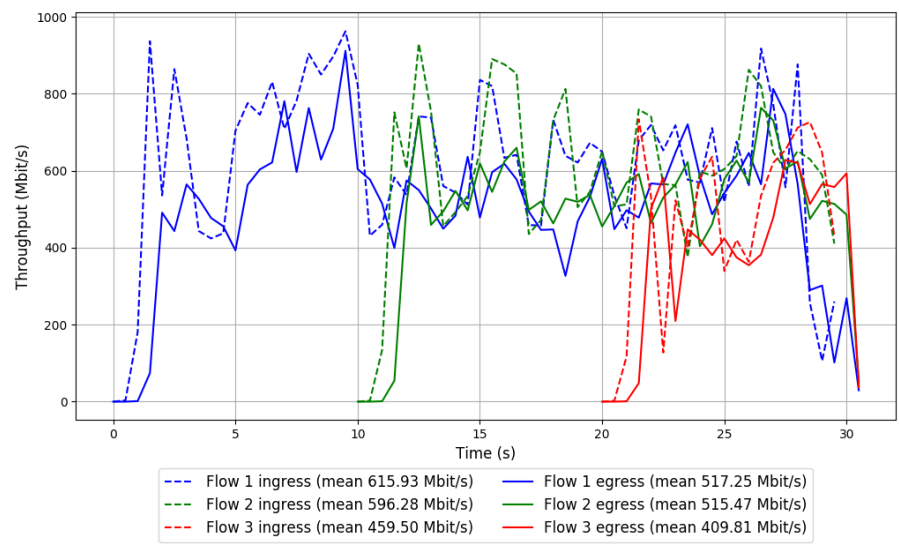


Run 3: Statistics of FillP

Start at: 2018-08-10 03:13:49
End at: 2018-08-10 03:14:19
Local clock offset: -1.592 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-08-10 07:42:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 995.94 Mbit/s
95th percentile per-packet one-way delay: 239.098 ms
Loss rate: 14.49%
-- Flow 1:
Average throughput: 517.25 Mbit/s
95th percentile per-packet one-way delay: 242.441 ms
Loss rate: 16.02%
-- Flow 2:
Average throughput: 515.47 Mbit/s
95th percentile per-packet one-way delay: 233.783 ms
Loss rate: 13.51%
-- Flow 3:
Average throughput: 409.81 Mbit/s
95th percentile per-packet one-way delay: 238.714 ms
Loss rate: 10.81%

Run 3: Report of FillP — Data Link

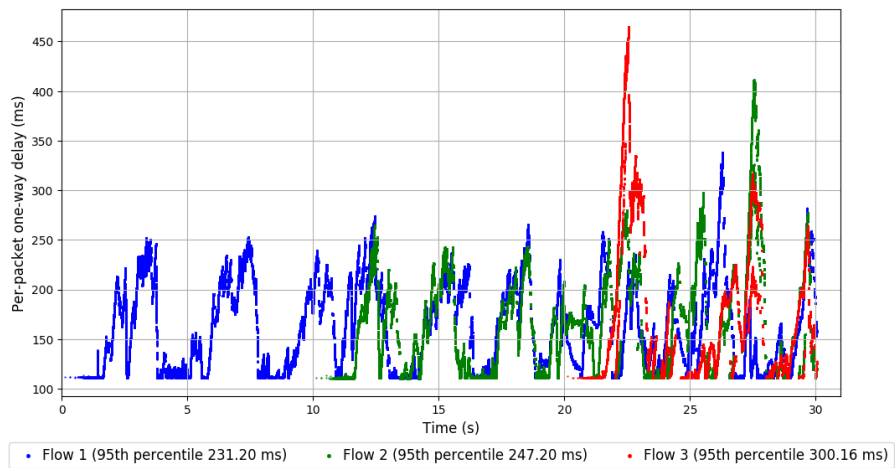
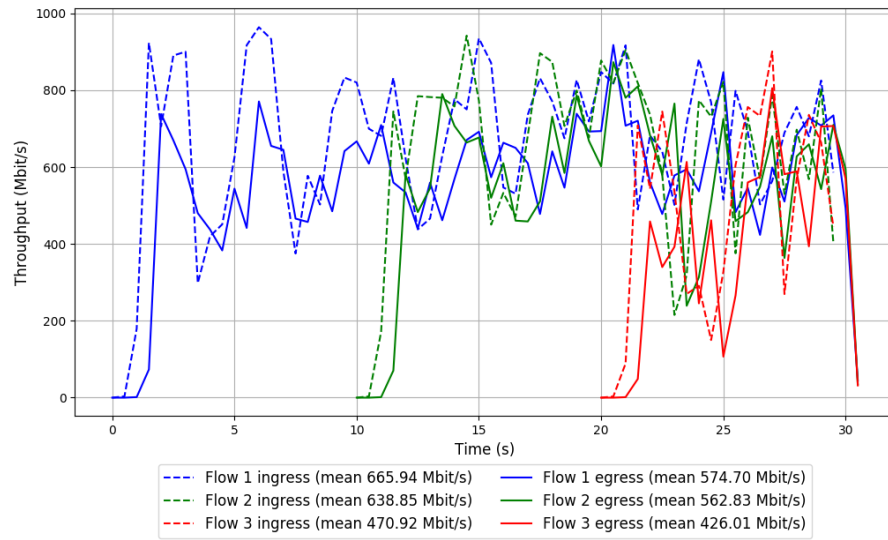


Run 4: Statistics of FillP

Start at: 2018-08-10 03:39:49
End at: 2018-08-10 03:40:19
Local clock offset: 0.041 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-08-10 07:44:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1090.66 Mbit/s
95th percentile per-packet one-way delay: 246.394 ms
Loss rate: 12.56%
-- Flow 1:
Average throughput: 574.70 Mbit/s
95th percentile per-packet one-way delay: 231.201 ms
Loss rate: 13.69%
-- Flow 2:
Average throughput: 562.83 Mbit/s
95th percentile per-packet one-way delay: 247.199 ms
Loss rate: 11.89%
-- Flow 3:
Average throughput: 426.01 Mbit/s
95th percentile per-packet one-way delay: 300.164 ms
Loss rate: 9.51%

Run 4: Report of FillP — Data Link

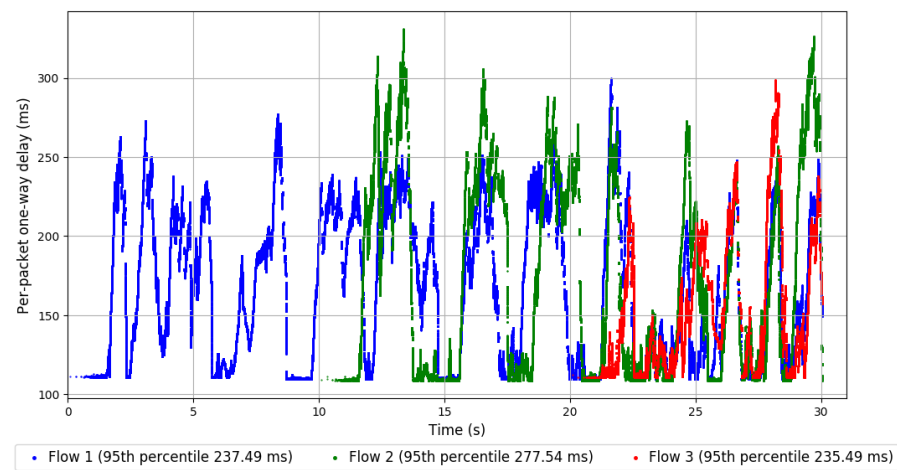
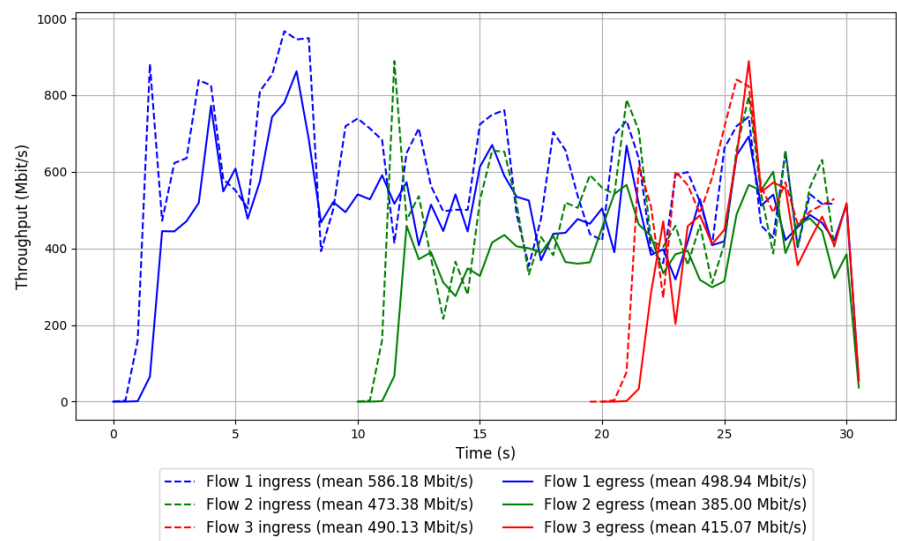


Run 5: Statistics of FillP

Start at: 2018-08-10 04:05:56
End at: 2018-08-10 04:06:26
Local clock offset: 0.629 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-08-10 07:44:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 892.97 Mbit/s
95th percentile per-packet one-way delay: 251.841 ms
Loss rate: 16.07%
-- Flow 1:
Average throughput: 498.94 Mbit/s
95th percentile per-packet one-way delay: 237.488 ms
Loss rate: 14.88%
-- Flow 2:
Average throughput: 385.00 Mbit/s
95th percentile per-packet one-way delay: 277.544 ms
Loss rate: 18.66%
-- Flow 3:
Average throughput: 415.07 Mbit/s
95th percentile per-packet one-way delay: 235.490 ms
Loss rate: 15.31%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-10 04:31:54

End at: 2018-08-10 04:32:24

Local clock offset: 0.175 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-08-10 07:44:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 994.49 Mbit/s

95th percentile per-packet one-way delay: 255.808 ms

Loss rate: 14.71%

-- Flow 1:

Average throughput: 540.66 Mbit/s

95th percentile per-packet one-way delay: 252.025 ms

Loss rate: 13.47%

-- Flow 2:

Average throughput: 455.33 Mbit/s

95th percentile per-packet one-way delay: 277.510 ms

Loss rate: 16.15%

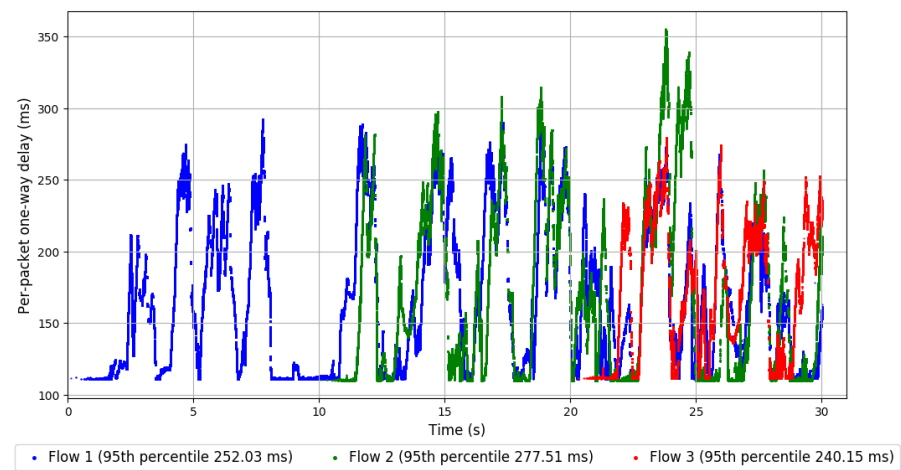
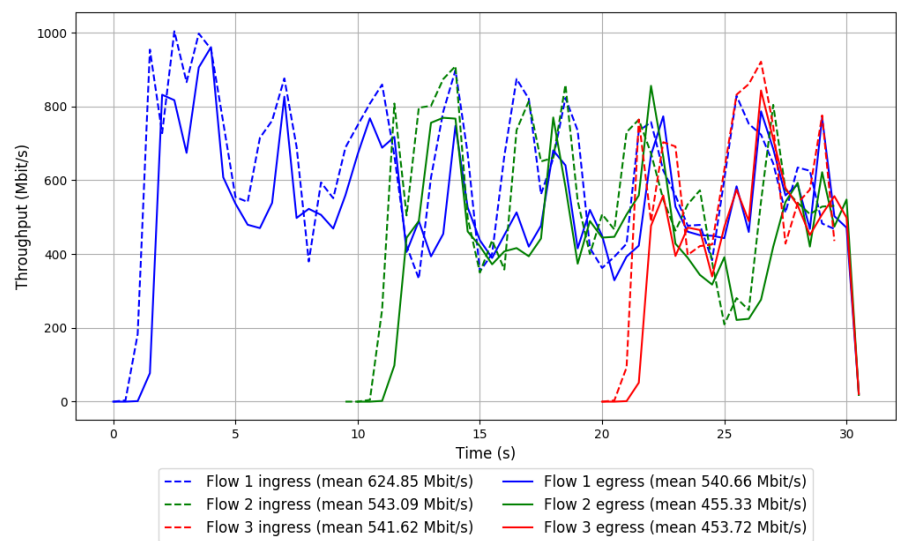
-- Flow 3:

Average throughput: 453.72 Mbit/s

95th percentile per-packet one-way delay: 240.153 ms

Loss rate: 16.16%

Run 6: Report of FillP — Data Link

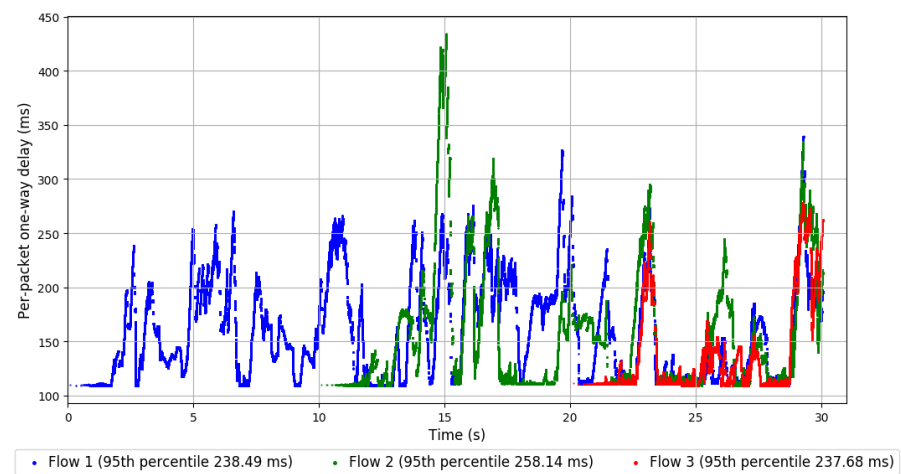
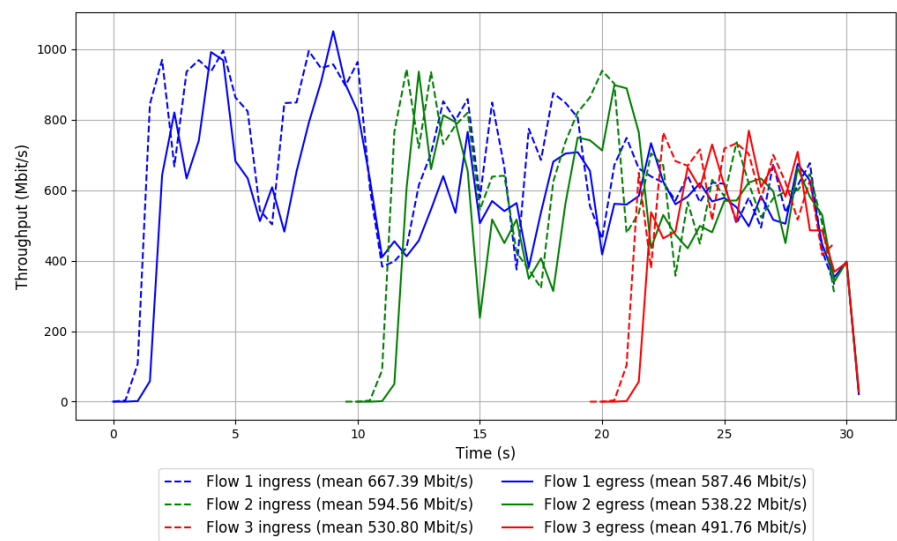


Run 7: Statistics of FillP

Start at: 2018-08-10 04:58:09
End at: 2018-08-10 04:58:39
Local clock offset: 0.328 ms
Remote clock offset: 0.512 ms

Below is generated by plot.py at 2018-08-10 07:47:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 1109.18 Mbit/s
95th percentile per-packet one-way delay: 244.365 ms
Loss rate: 10.51%
-- Flow 1:
Average throughput: 587.46 Mbit/s
95th percentile per-packet one-way delay: 238.492 ms
Loss rate: 11.97%
-- Flow 2:
Average throughput: 538.22 Mbit/s
95th percentile per-packet one-way delay: 258.139 ms
Loss rate: 9.46%
-- Flow 3:
Average throughput: 491.76 Mbit/s
95th percentile per-packet one-way delay: 237.675 ms
Loss rate: 7.34%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-10 05:24:48

End at: 2018-08-10 05:25:18

Local clock offset: 0.524 ms

Remote clock offset: 0.454 ms

Below is generated by plot.py at 2018-08-10 07:50:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1285.25 Mbit/s

95th percentile per-packet one-way delay: 212.296 ms

Loss rate: 7.38%

-- Flow 1:

Average throughput: 678.42 Mbit/s

95th percentile per-packet one-way delay: 215.251 ms

Loss rate: 7.93%

-- Flow 2:

Average throughput: 654.21 Mbit/s

95th percentile per-packet one-way delay: 199.735 ms

Loss rate: 4.90%

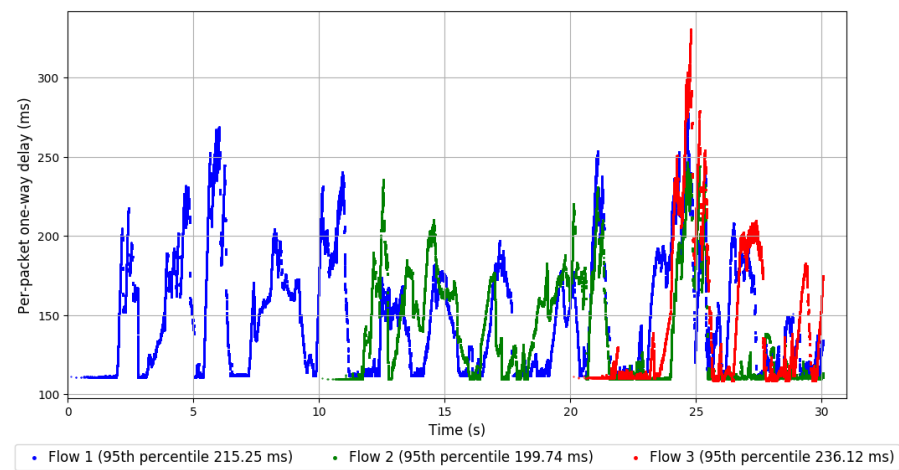
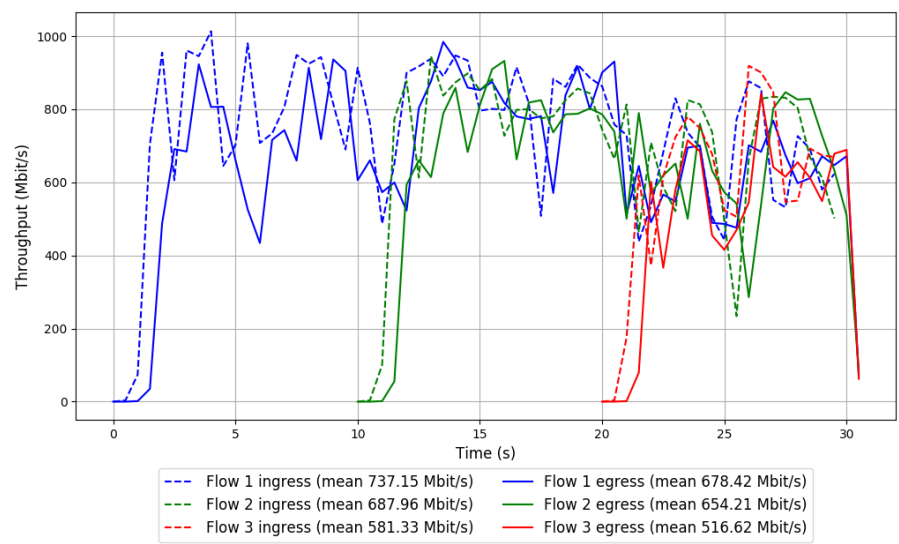
-- Flow 3:

Average throughput: 516.62 Mbit/s

95th percentile per-packet one-way delay: 236.116 ms

Loss rate: 11.13%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-10 05:51:20

End at: 2018-08-10 05:51:50

Local clock offset: -1.401 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2018-08-10 08:05:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 1270.97 Mbit/s

95th percentile per-packet one-way delay: 198.222 ms

Loss rate: 5.45%

-- Flow 1:

Average throughput: 659.51 Mbit/s

95th percentile per-packet one-way delay: 200.760 ms

Loss rate: 6.70%

-- Flow 2:

Average throughput: 616.32 Mbit/s

95th percentile per-packet one-way delay: 198.955 ms

Loss rate: 5.79%

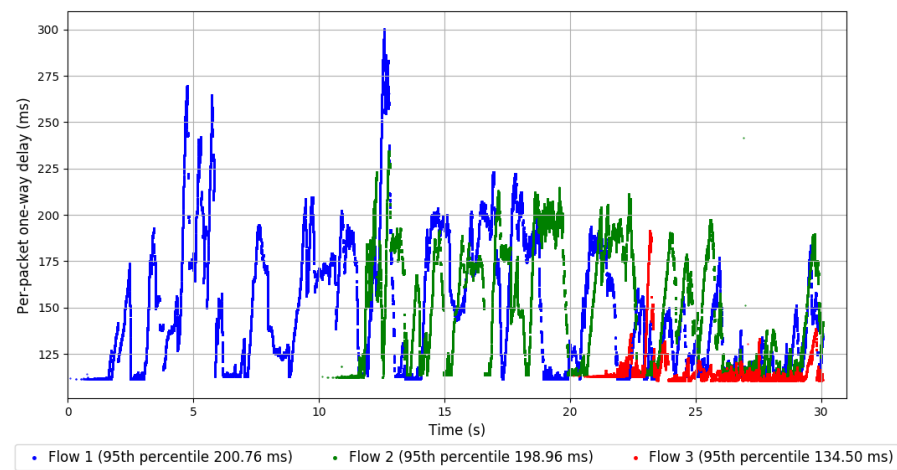
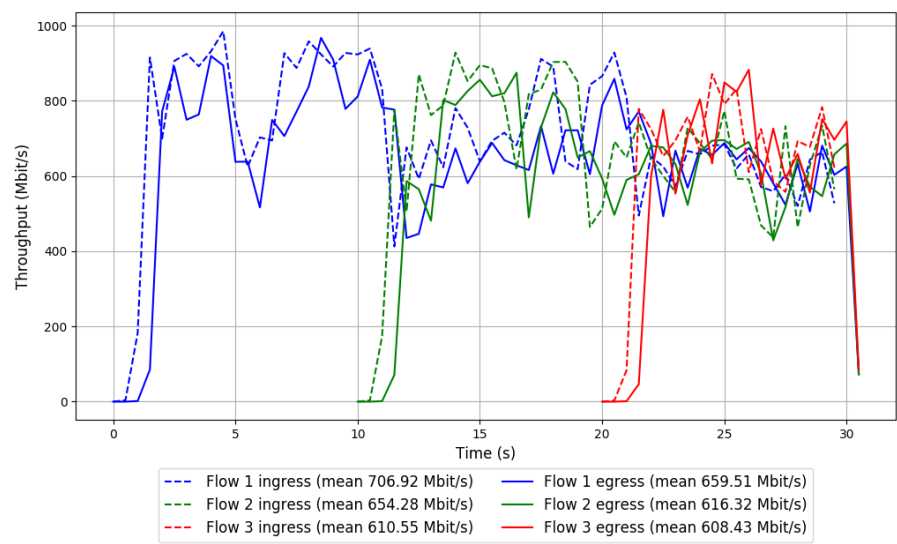
-- Flow 3:

Average throughput: 608.43 Mbit/s

95th percentile per-packet one-way delay: 134.501 ms

Loss rate: 0.37%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-10 06:17:27

End at: 2018-08-10 06:17:57

Local clock offset: -0.179 ms

Remote clock offset: 1.179 ms

Below is generated by plot.py at 2018-08-10 08:07:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1312.31 Mbit/s

95th percentile per-packet one-way delay: 209.793 ms

Loss rate: 4.08%

-- Flow 1:

Average throughput: 741.04 Mbit/s

95th percentile per-packet one-way delay: 205.627 ms

Loss rate: 3.55%

-- Flow 2:

Average throughput: 590.49 Mbit/s

95th percentile per-packet one-way delay: 207.262 ms

Loss rate: 4.69%

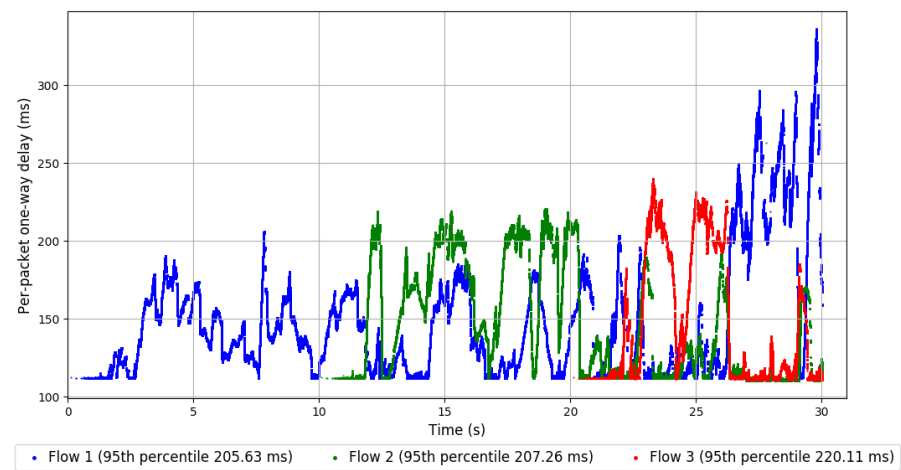
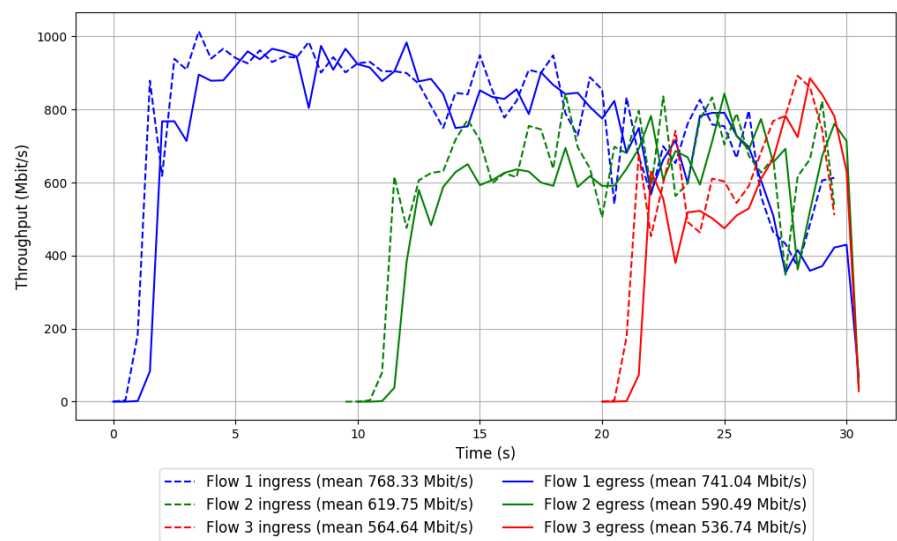
-- Flow 3:

Average throughput: 536.74 Mbit/s

95th percentile per-packet one-way delay: 220.114 ms

Loss rate: 4.95%

Run 10: Report of FillP — Data Link

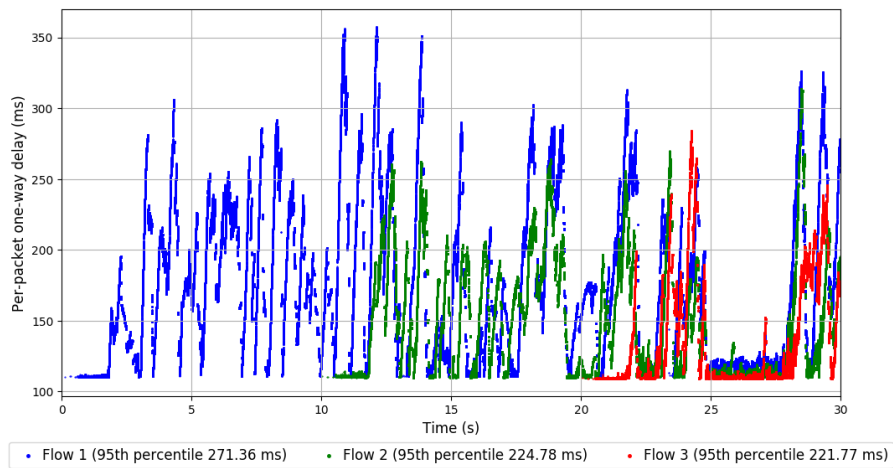
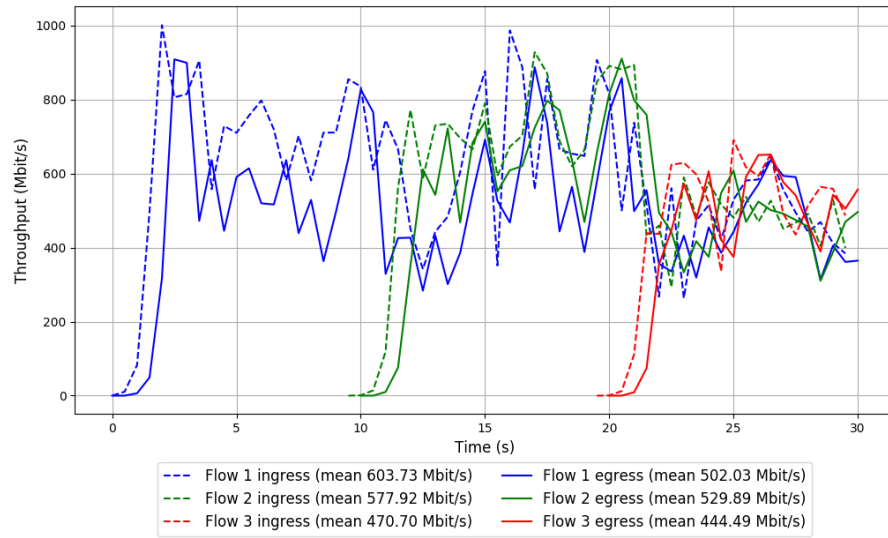


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-10 02:31:21
End at: 2018-08-10 02:31:51
Local clock offset: -0.173 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-08-10 08:07:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1003.27 Mbit/s
95th percentile per-packet one-way delay: 254.639 ms
Loss rate: 12.41%
-- Flow 1:
Average throughput: 502.03 Mbit/s
95th percentile per-packet one-way delay: 271.363 ms
Loss rate: 16.83%
-- Flow 2:
Average throughput: 529.89 Mbit/s
95th percentile per-packet one-way delay: 224.777 ms
Loss rate: 8.30%
-- Flow 3:
Average throughput: 444.49 Mbit/s
95th percentile per-packet one-way delay: 221.771 ms
Loss rate: 5.52%

Run 1: Report of FillP-Sheep — Data Link

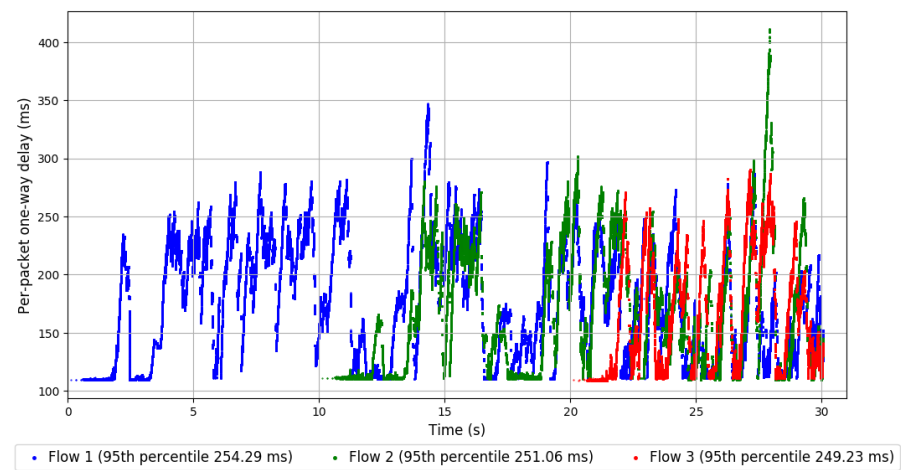
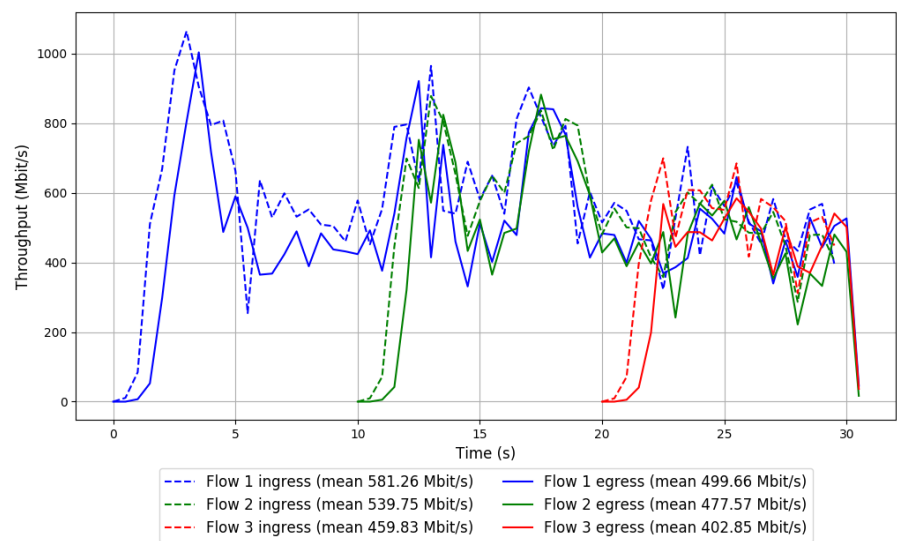


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-10 02:57:42
End at: 2018-08-10 02:58:12
Local clock offset: -0.349 ms
Remote clock offset: -0.554 ms

Below is generated by plot.py at 2018-08-10 08:07:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 951.17 Mbit/s
95th percentile per-packet one-way delay: 252.553 ms
Loss rate: 12.94%
-- Flow 1:
Average throughput: 499.66 Mbit/s
95th percentile per-packet one-way delay: 254.292 ms
Loss rate: 14.01%
-- Flow 2:
Average throughput: 477.57 Mbit/s
95th percentile per-packet one-way delay: 251.055 ms
Loss rate: 11.52%
-- Flow 3:
Average throughput: 402.85 Mbit/s
95th percentile per-packet one-way delay: 249.234 ms
Loss rate: 12.23%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-10 03:23:44

End at: 2018-08-10 03:24:14

Local clock offset: 0.099 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-08-10 08:07:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 867.88 Mbit/s

95th percentile per-packet one-way delay: 265.012 ms

Loss rate: 17.40%

-- Flow 1:

Average throughput: 459.31 Mbit/s

95th percentile per-packet one-way delay: 263.747 ms

Loss rate: 19.10%

-- Flow 2:

Average throughput: 414.37 Mbit/s

95th percentile per-packet one-way delay: 268.568 ms

Loss rate: 16.10%

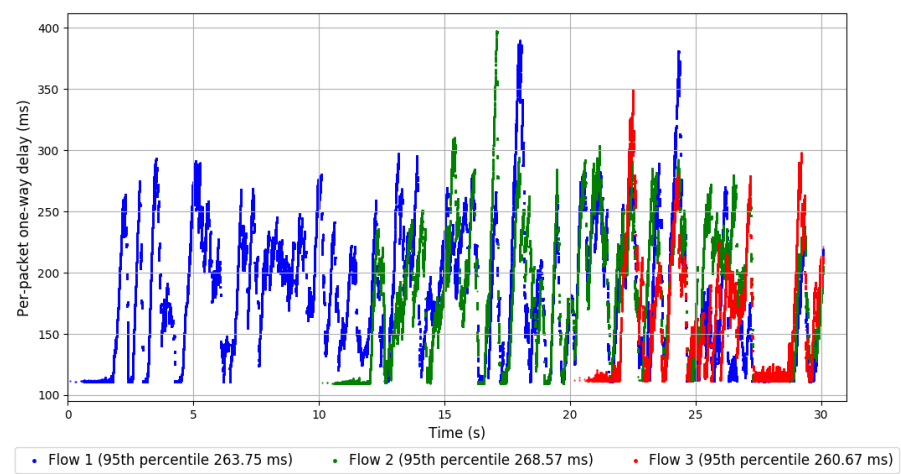
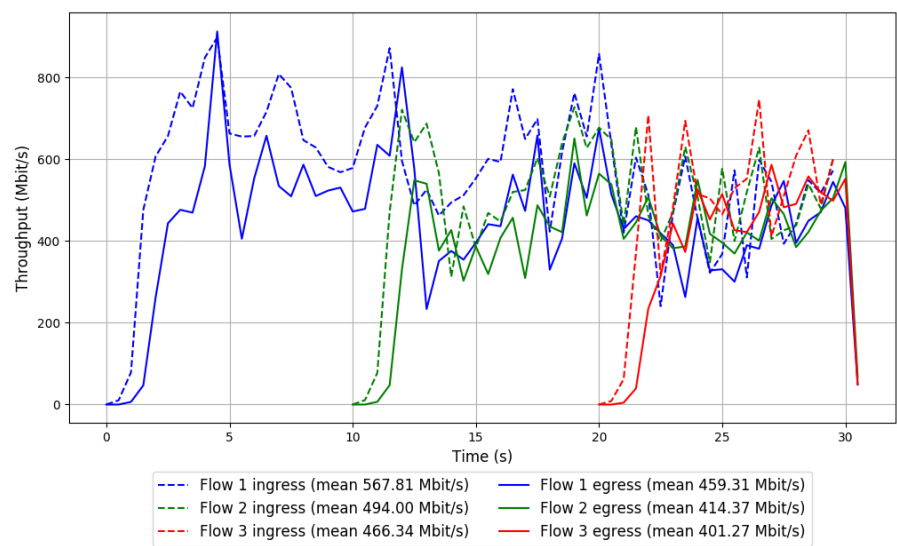
-- Flow 3:

Average throughput: 401.27 Mbit/s

95th percentile per-packet one-way delay: 260.670 ms

Loss rate: 13.91%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-10 03:49:45

End at: 2018-08-10 03:50:15

Local clock offset: -1.516 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-08-10 08:07:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1085.17 Mbit/s

95th percentile per-packet one-way delay: 231.694 ms

Loss rate: 7.98%

-- Flow 1:

Average throughput: 618.69 Mbit/s

95th percentile per-packet one-way delay: 223.399 ms

Loss rate: 8.26%

-- Flow 2:

Average throughput: 506.98 Mbit/s

95th percentile per-packet one-way delay: 231.890 ms

Loss rate: 7.69%

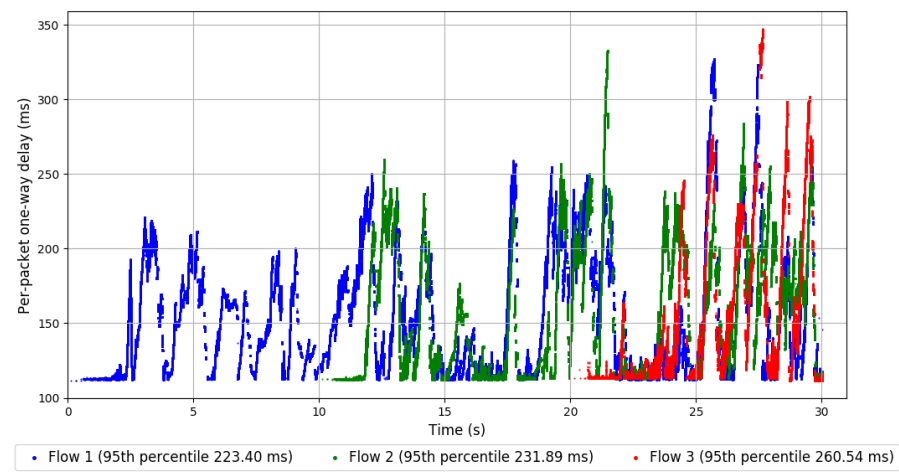
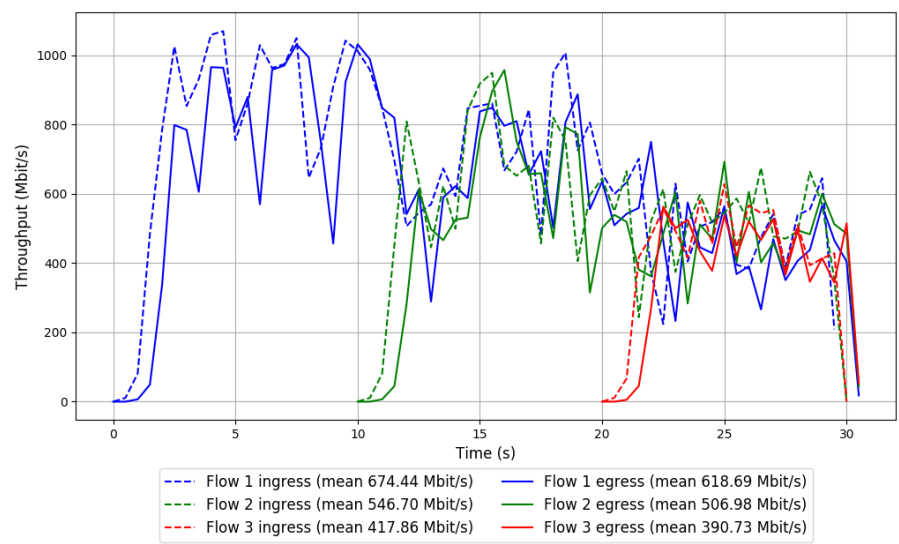
-- Flow 3:

Average throughput: 390.73 Mbit/s

95th percentile per-packet one-way delay: 260.542 ms

Loss rate: 7.35%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-10 04:15:38

End at: 2018-08-10 04:16:08

Local clock offset: 0.321 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-08-10 08:07:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 888.76 Mbit/s

95th percentile per-packet one-way delay: 270.887 ms

Loss rate: 16.34%

-- Flow 1:

Average throughput: 460.26 Mbit/s

95th percentile per-packet one-way delay: 271.119 ms

Loss rate: 17.29%

-- Flow 2:

Average throughput: 449.49 Mbit/s

95th percentile per-packet one-way delay: 267.085 ms

Loss rate: 15.22%

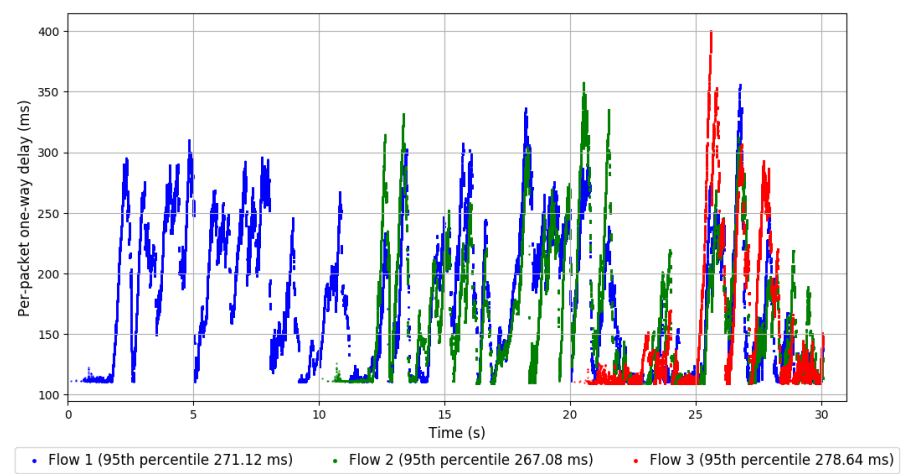
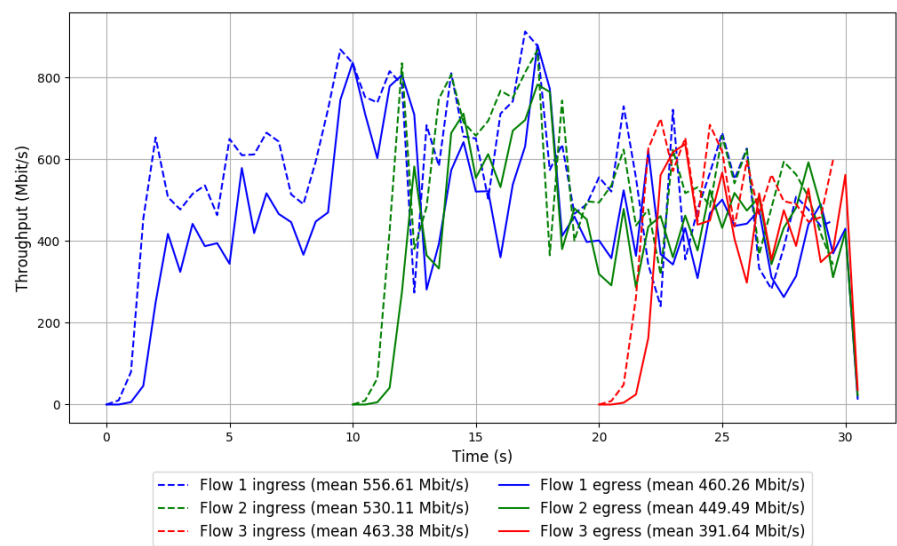
-- Flow 3:

Average throughput: 391.64 Mbit/s

95th percentile per-packet one-way delay: 278.642 ms

Loss rate: 15.46%

Run 5: Report of FillP-Sheep — Data Link

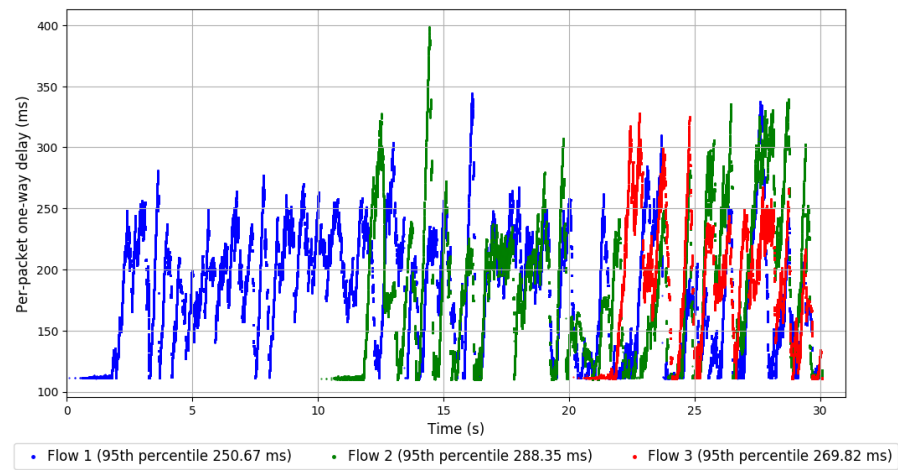
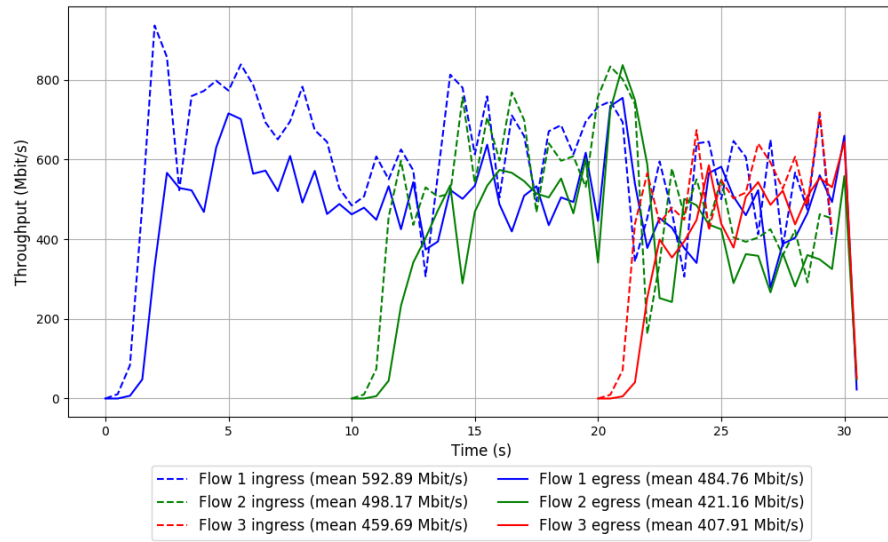


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-10 04:41:54
End at: 2018-08-10 04:42:24
Local clock offset: 0.08 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-10 08:11:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 899.82 Mbit/s
95th percentile per-packet one-way delay: 265.369 ms
Loss rate: 16.39%
-- Flow 1:
Average throughput: 484.76 Mbit/s
95th percentile per-packet one-way delay: 250.668 ms
Loss rate: 18.24%
-- Flow 2:
Average throughput: 421.16 Mbit/s
95th percentile per-packet one-way delay: 288.347 ms
Loss rate: 15.45%
-- Flow 3:
Average throughput: 407.91 Mbit/s
95th percentile per-packet one-way delay: 269.819 ms
Loss rate: 11.27%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-10 05:08:16

End at: 2018-08-10 05:08:46

Local clock offset: -0.803 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-08-10 08:27:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 1177.21 Mbit/s

95th percentile per-packet one-way delay: 207.826 ms

Loss rate: 5.94%

-- Flow 1:

Average throughput: 619.36 Mbit/s

95th percentile per-packet one-way delay: 212.787 ms

Loss rate: 8.08%

-- Flow 2:

Average throughput: 592.29 Mbit/s

95th percentile per-packet one-way delay: 190.074 ms

Loss rate: 1.67%

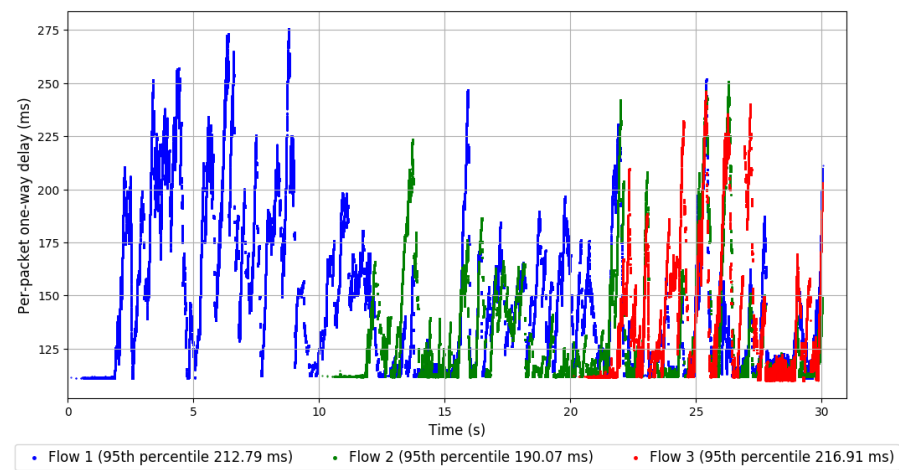
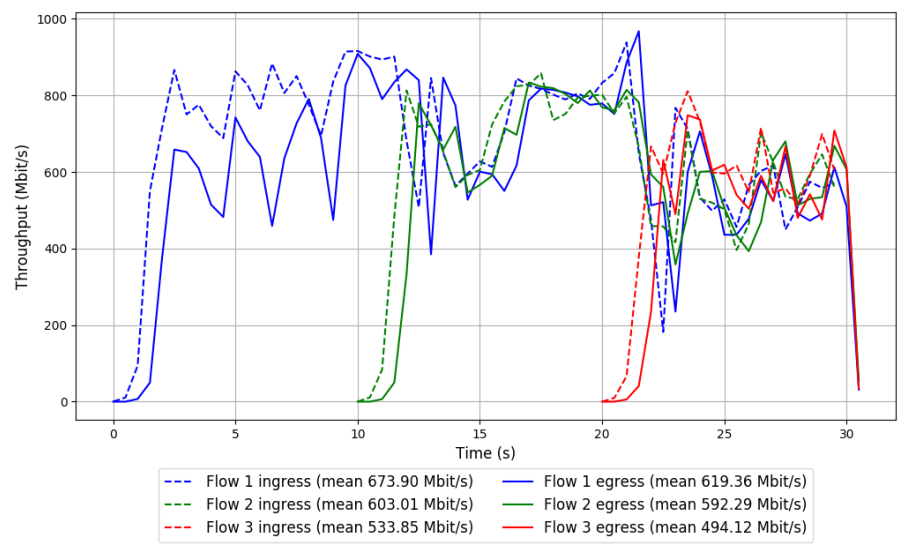
-- Flow 3:

Average throughput: 494.12 Mbit/s

95th percentile per-packet one-way delay: 216.912 ms

Loss rate: 7.43%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-10 05:35:03

End at: 2018-08-10 05:35:33

Local clock offset: -0.206 ms

Remote clock offset: 0.909 ms

Below is generated by plot.py at 2018-08-10 08:27:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 1177.81 Mbit/s

95th percentile per-packet one-way delay: 206.485 ms

Loss rate: 5.76%

-- Flow 1:

Average throughput: 626.25 Mbit/s

95th percentile per-packet one-way delay: 208.917 ms

Loss rate: 7.70%

-- Flow 2:

Average throughput: 583.53 Mbit/s

95th percentile per-packet one-way delay: 207.214 ms

Loss rate: 3.82%

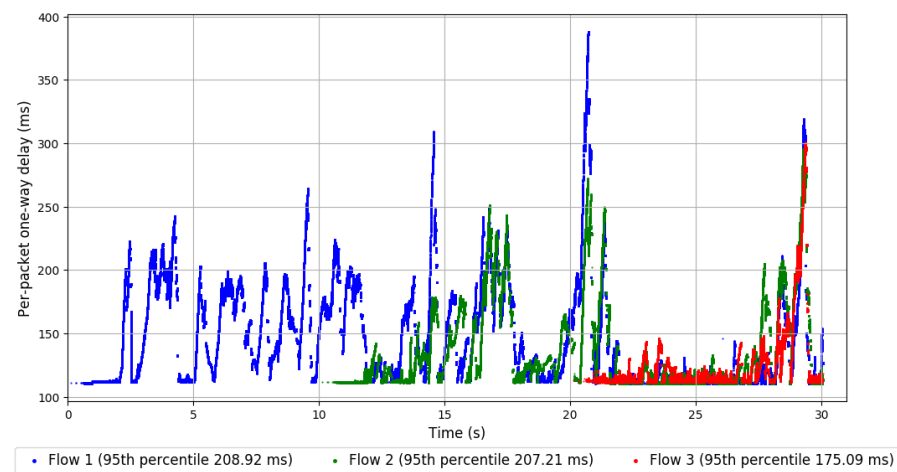
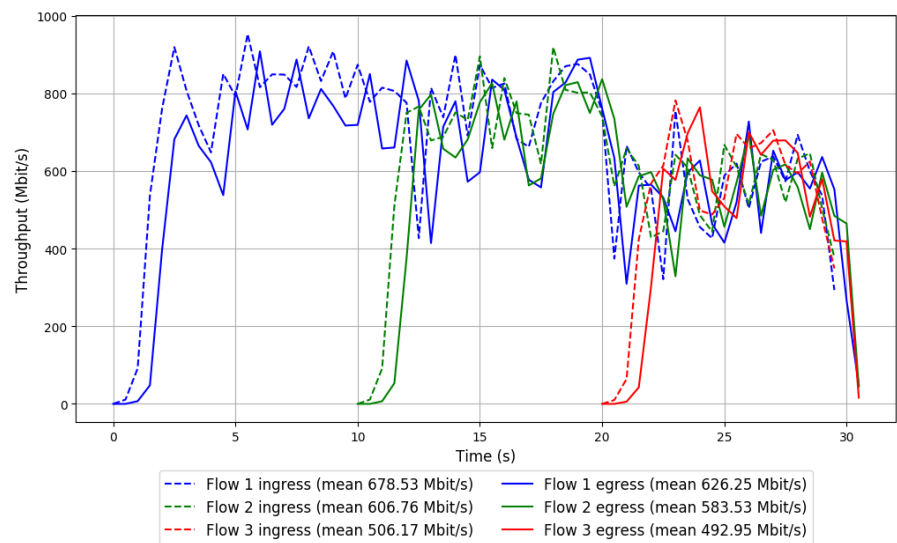
-- Flow 3:

Average throughput: 492.95 Mbit/s

95th percentile per-packet one-way delay: 175.090 ms

Loss rate: 2.56%

Run 8: Report of FillP-Sheep — Data Link

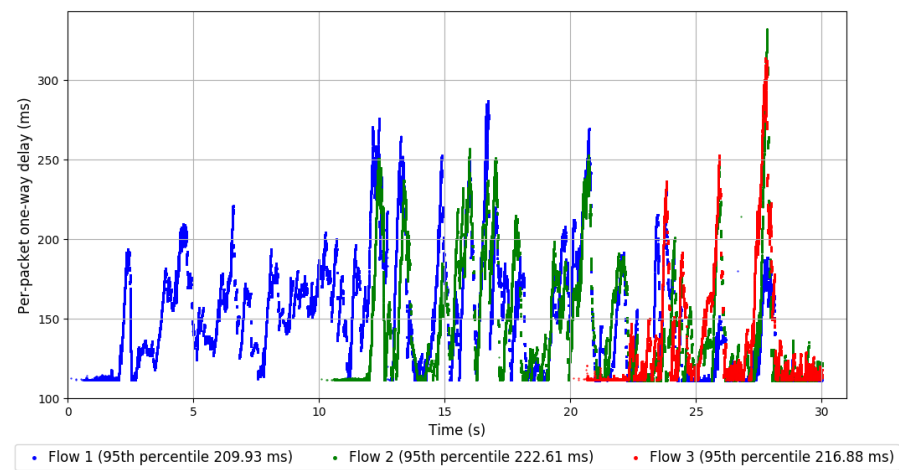
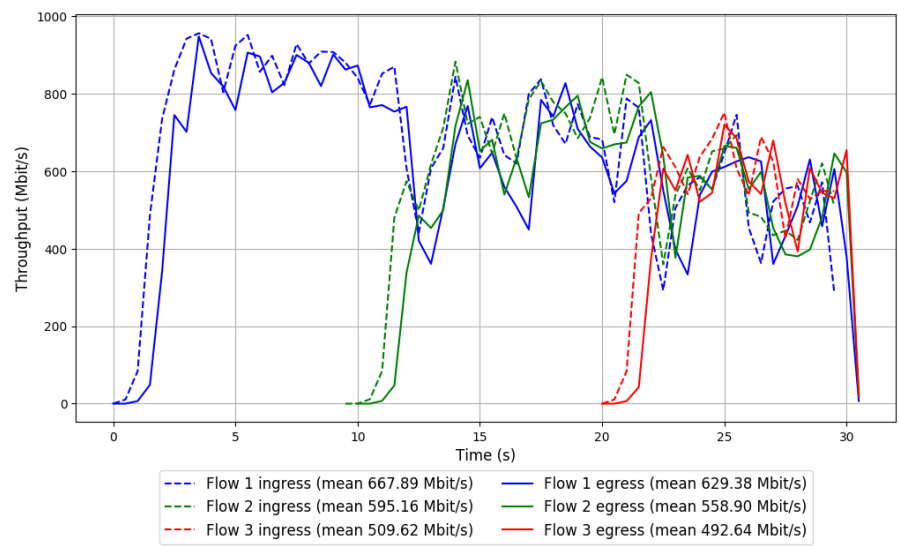


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-10 06:01:04
End at: 2018-08-10 06:01:34
Local clock offset: -0.572 ms
Remote clock offset: 0.703 ms

Below is generated by plot.py at 2018-08-10 08:28:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1164.67 Mbit/s
95th percentile per-packet one-way delay: 216.050 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 629.38 Mbit/s
95th percentile per-packet one-way delay: 209.929 ms
Loss rate: 5.77%
-- Flow 2:
Average throughput: 558.90 Mbit/s
95th percentile per-packet one-way delay: 222.608 ms
Loss rate: 6.09%
-- Flow 3:
Average throughput: 492.64 Mbit/s
95th percentile per-packet one-way delay: 216.881 ms
Loss rate: 3.36%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-10 06:27:55

End at: 2018-08-10 06:28:25

Local clock offset: -0.726 ms

Remote clock offset: 0.857 ms

Below is generated by plot.py at 2018-08-10 08:31:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1249.16 Mbit/s

95th percentile per-packet one-way delay: 192.610 ms

Loss rate: 2.07%

-- Flow 1:

Average throughput: 678.93 Mbit/s

95th percentile per-packet one-way delay: 193.819 ms

Loss rate: 2.85%

-- Flow 2:

Average throughput: 624.43 Mbit/s

95th percentile per-packet one-way delay: 180.969 ms

Loss rate: 1.05%

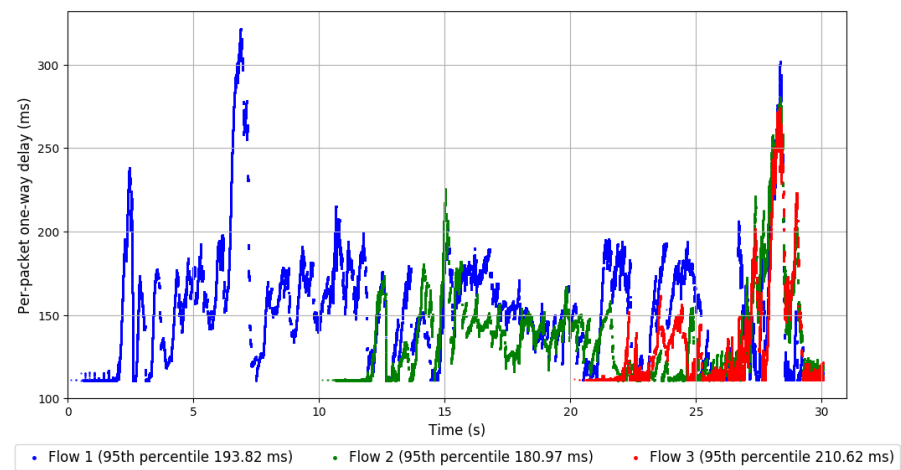
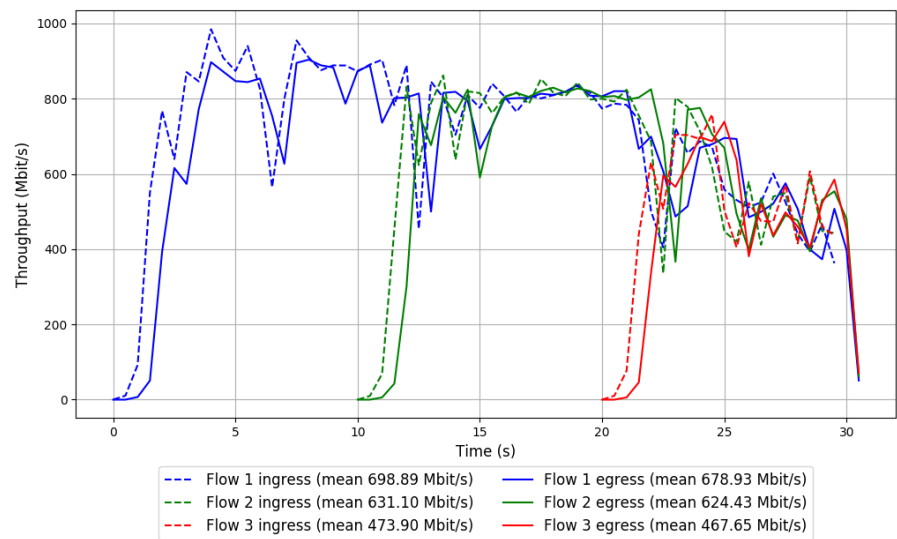
-- Flow 3:

Average throughput: 467.65 Mbit/s

95th percentile per-packet one-way delay: 210.623 ms

Loss rate: 1.30%

Run 10: Report of FillP-Sheep — Data Link

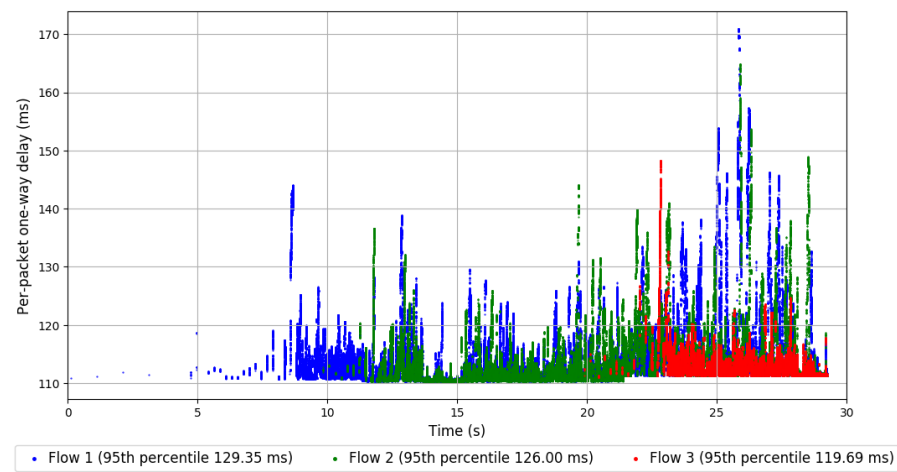
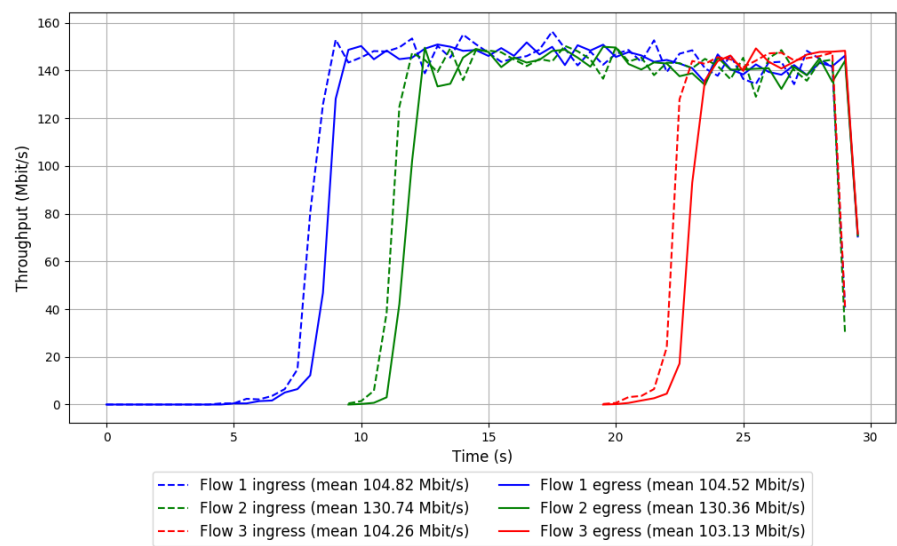


Run 1: Statistics of Indigo

Start at: 2018-08-10 02:26:41
End at: 2018-08-10 02:27:11
Local clock offset: -0.58 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-08-10 08:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.44 Mbit/s
95th percentile per-packet one-way delay: 126.542 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 104.52 Mbit/s
95th percentile per-packet one-way delay: 129.348 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 130.36 Mbit/s
95th percentile per-packet one-way delay: 126.005 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 103.13 Mbit/s
95th percentile per-packet one-way delay: 119.685 ms
Loss rate: 1.08%

Run 1: Report of Indigo — Data Link

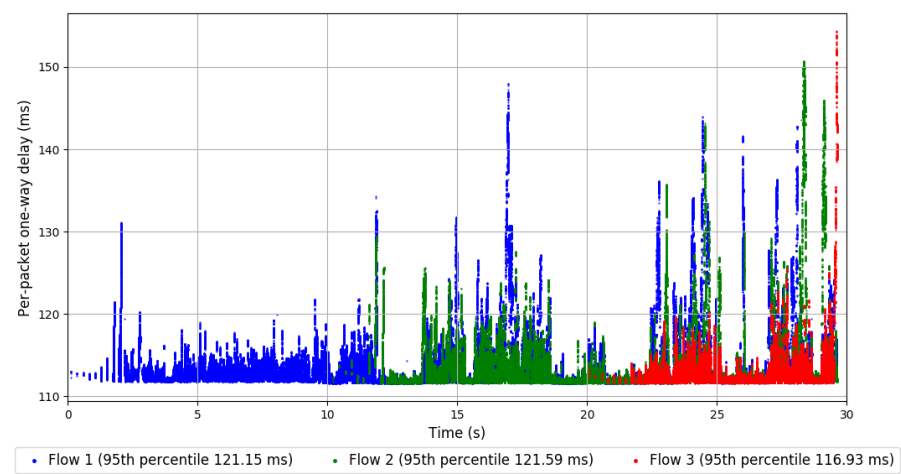
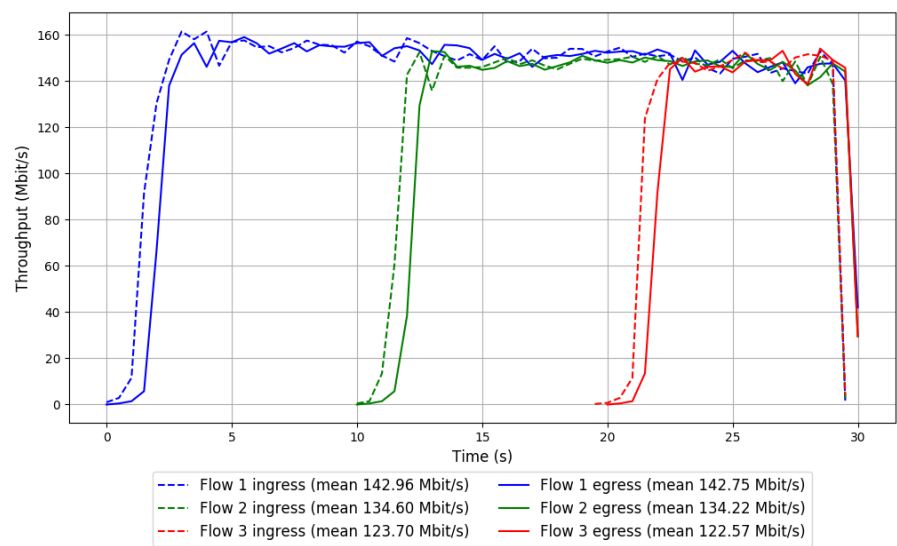


Run 2: Statistics of Indigo

Start at: 2018-08-10 02:53:04
End at: 2018-08-10 02:53:34
Local clock offset: -1.5 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-10 08:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.72 Mbit/s
95th percentile per-packet one-way delay: 120.651 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 142.75 Mbit/s
95th percentile per-packet one-way delay: 121.146 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 134.22 Mbit/s
95th percentile per-packet one-way delay: 121.587 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 122.57 Mbit/s
95th percentile per-packet one-way delay: 116.927 ms
Loss rate: 0.91%

Run 2: Report of Indigo — Data Link

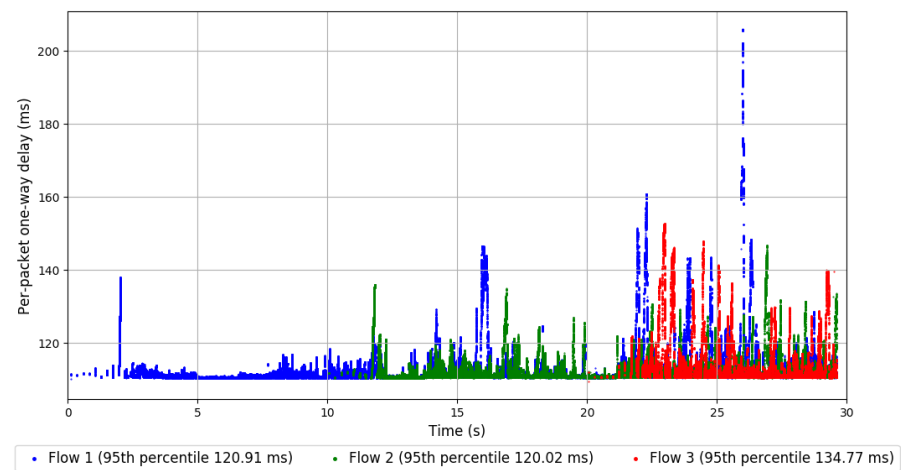
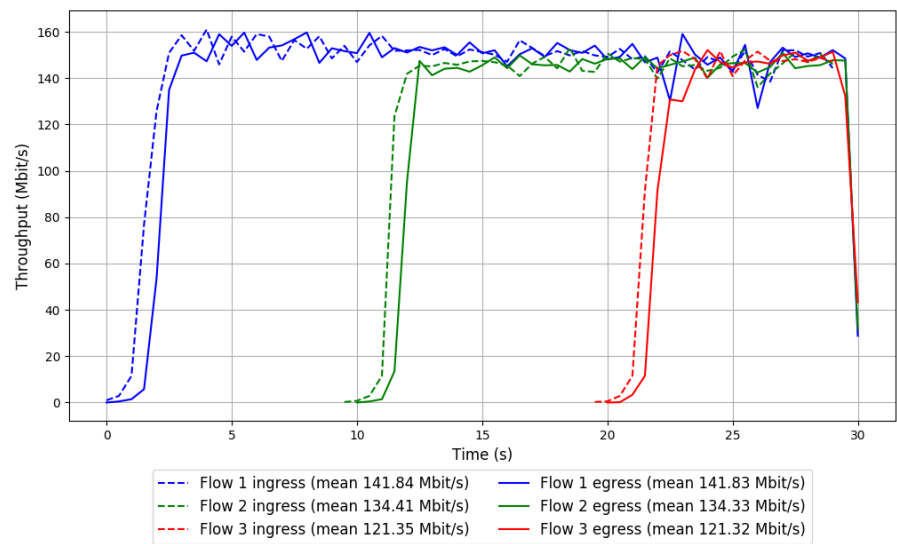


Run 3: Statistics of Indigo

Start at: 2018-08-10 03:19:10
End at: 2018-08-10 03:19:40
Local clock offset: -0.189 ms
Remote clock offset: -0.605 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.07 Mbit/s
95th percentile per-packet one-way delay: 123.413 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 141.83 Mbit/s
95th percentile per-packet one-way delay: 120.905 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.33 Mbit/s
95th percentile per-packet one-way delay: 120.022 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 121.32 Mbit/s
95th percentile per-packet one-way delay: 134.766 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-10 03:45:01

End at: 2018-08-10 03:45:31

Local clock offset: -0.052 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-08-10 08:31:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.95 Mbit/s

95th percentile per-packet one-way delay: 134.886 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 160.97 Mbit/s

95th percentile per-packet one-way delay: 132.830 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 126.76 Mbit/s

95th percentile per-packet one-way delay: 135.488 ms

Loss rate: 0.11%

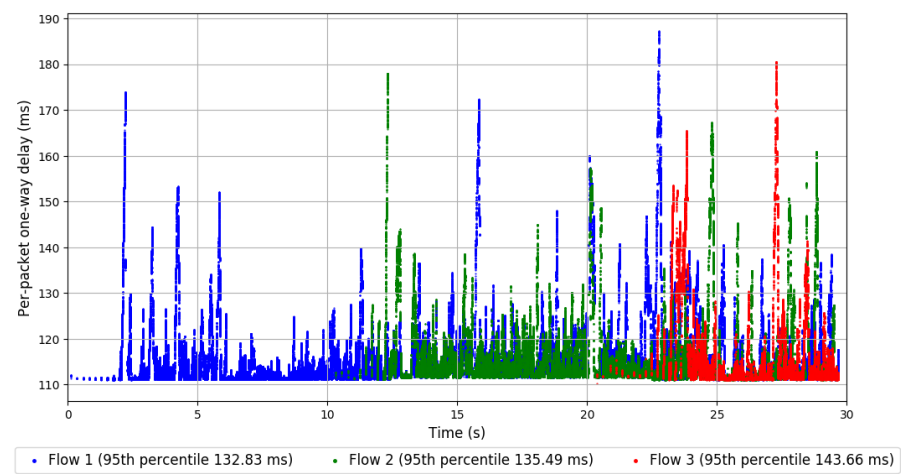
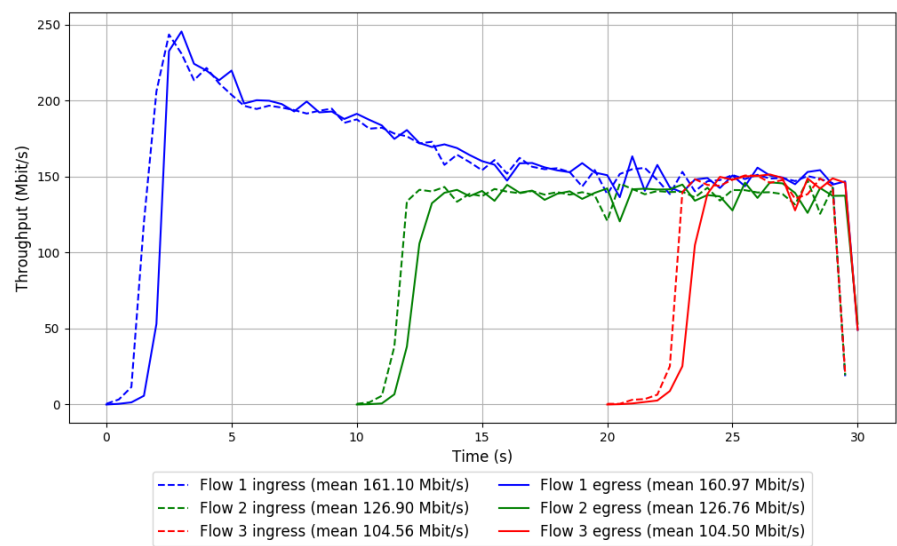
-- Flow 3:

Average throughput: 104.50 Mbit/s

95th percentile per-packet one-way delay: 143.659 ms

Loss rate: 0.04%

Run 4: Report of Indigo — Data Link

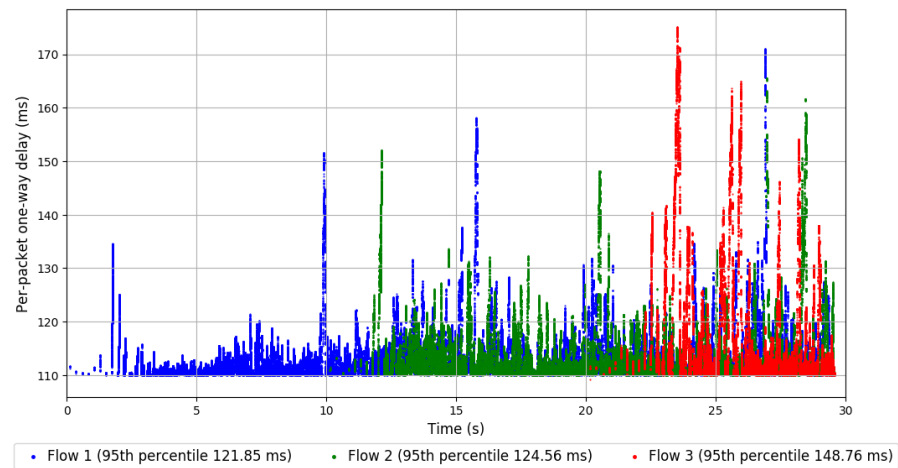
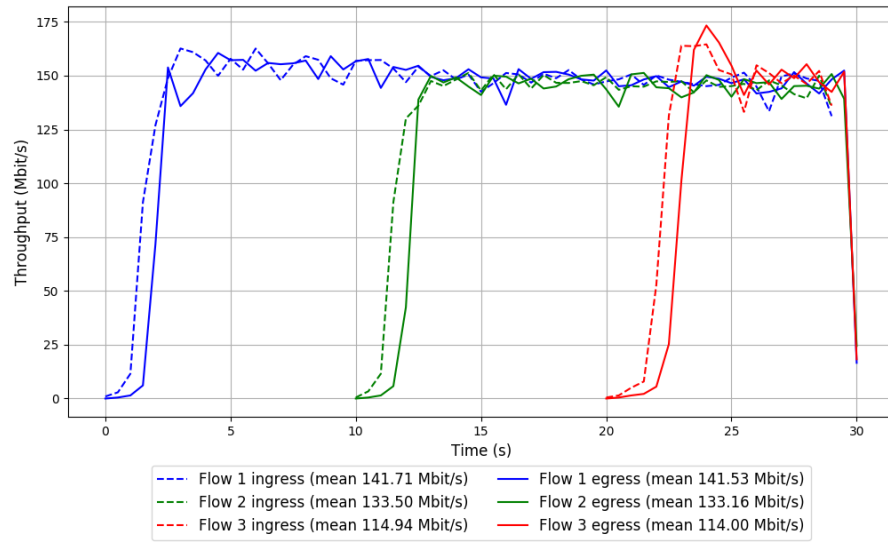


Run 5: Statistics of Indigo

Start at: 2018-08-10 04:11:01
End at: 2018-08-10 04:11:31
Local clock offset: 0.684 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.80 Mbit/s
95th percentile per-packet one-way delay: 127.340 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 141.53 Mbit/s
95th percentile per-packet one-way delay: 121.850 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 133.16 Mbit/s
95th percentile per-packet one-way delay: 124.562 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 114.00 Mbit/s
95th percentile per-packet one-way delay: 148.764 ms
Loss rate: 0.80%

Run 5: Report of Indigo — Data Link

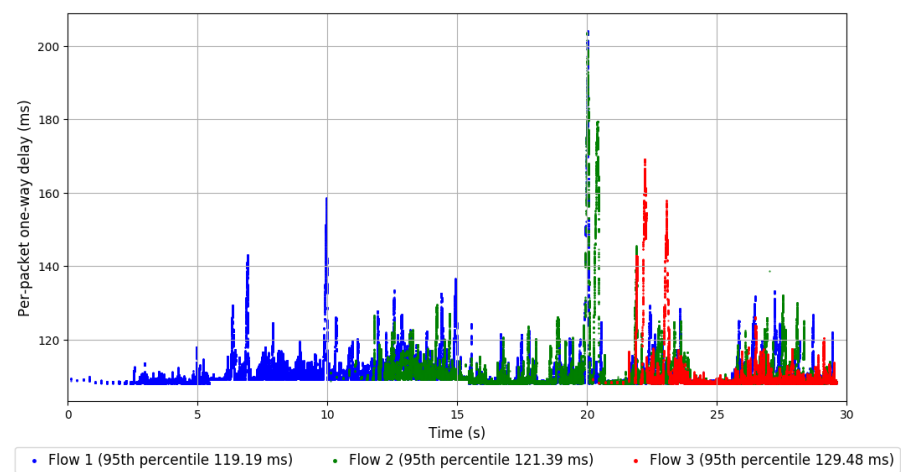
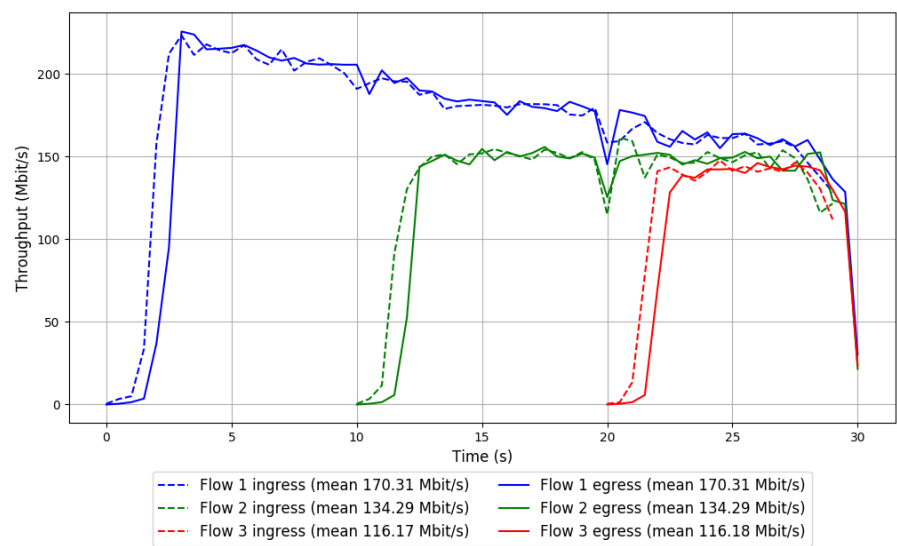


Run 6: Statistics of Indigo

Start at: 2018-08-10 04:37:08
End at: 2018-08-10 04:37:38
Local clock offset: 1.233 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.00 Mbit/s
95th percentile per-packet one-way delay: 120.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.31 Mbit/s
95th percentile per-packet one-way delay: 119.186 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.29 Mbit/s
95th percentile per-packet one-way delay: 121.394 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 116.18 Mbit/s
95th percentile per-packet one-way delay: 129.482 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-10 05:03:31

End at: 2018-08-10 05:04:01

Local clock offset: -0.571 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2018-08-10 08:31:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.60 Mbit/s

95th percentile per-packet one-way delay: 125.928 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 140.34 Mbit/s

95th percentile per-packet one-way delay: 123.357 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 127.73 Mbit/s

95th percentile per-packet one-way delay: 128.546 ms

Loss rate: 0.08%

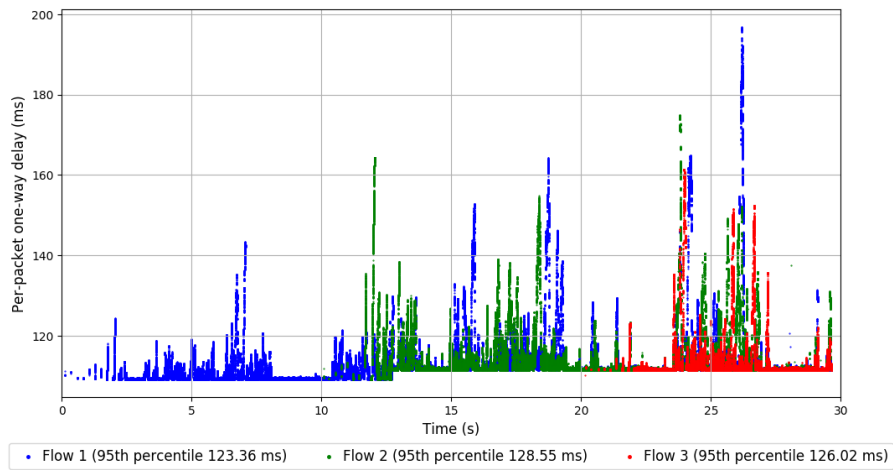
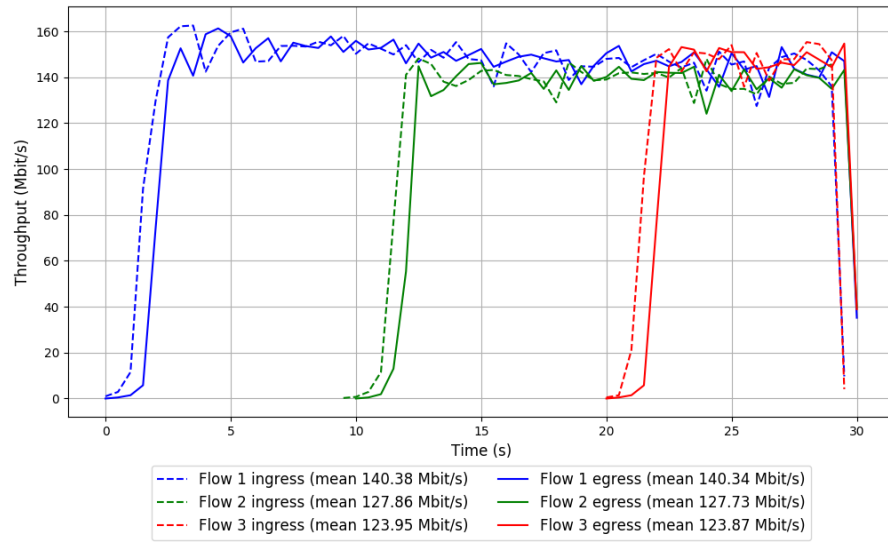
-- Flow 3:

Average throughput: 123.87 Mbit/s

95th percentile per-packet one-way delay: 126.023 ms

Loss rate: 0.05%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-10 05:30:03

End at: 2018-08-10 05:30:33

Local clock offset: -0.964 ms

Remote clock offset: 0.505 ms

Below is generated by plot.py at 2018-08-10 08:31:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 353.09 Mbit/s

95th percentile per-packet one-way delay: 115.004 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 195.35 Mbit/s

95th percentile per-packet one-way delay: 115.486 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 177.48 Mbit/s

95th percentile per-packet one-way delay: 114.707 ms

Loss rate: 0.02%

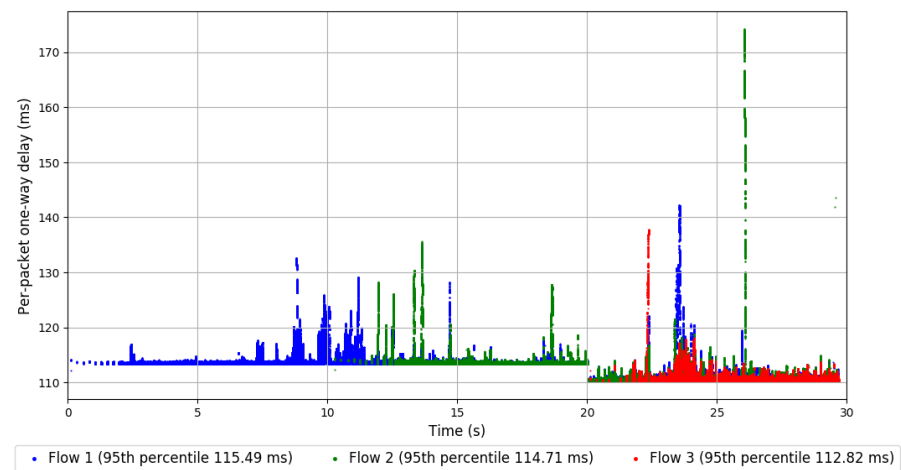
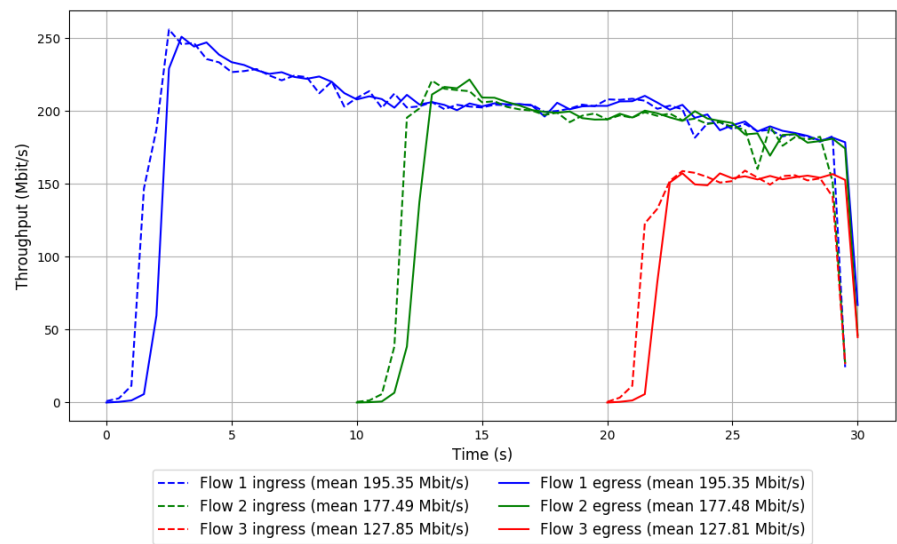
-- Flow 3:

Average throughput: 127.81 Mbit/s

95th percentile per-packet one-way delay: 112.818 ms

Loss rate: 0.04%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-10 05:56:17

End at: 2018-08-10 05:56:47

Local clock offset: -0.363 ms

Remote clock offset: 0.62 ms

Below is generated by plot.py at 2018-08-10 08:31:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 286.37 Mbit/s

95th percentile per-packet one-way delay: 119.059 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 144.78 Mbit/s

95th percentile per-packet one-way delay: 116.871 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 134.81 Mbit/s

95th percentile per-packet one-way delay: 118.563 ms

Loss rate: 0.43%

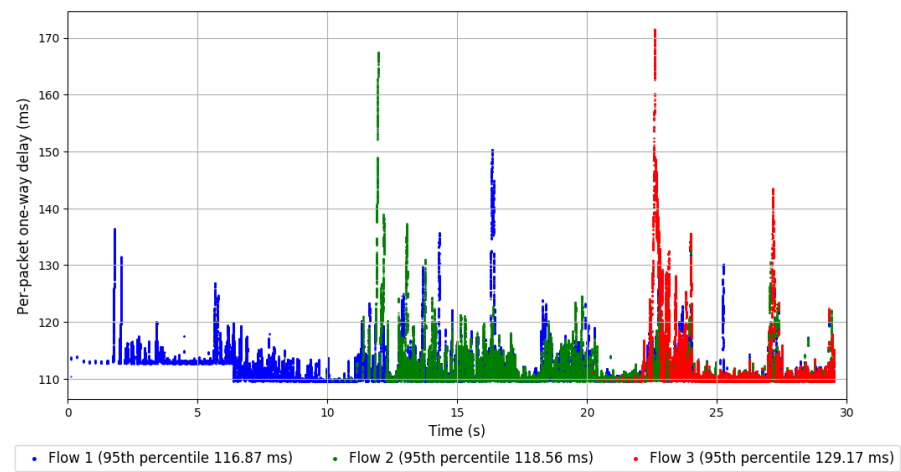
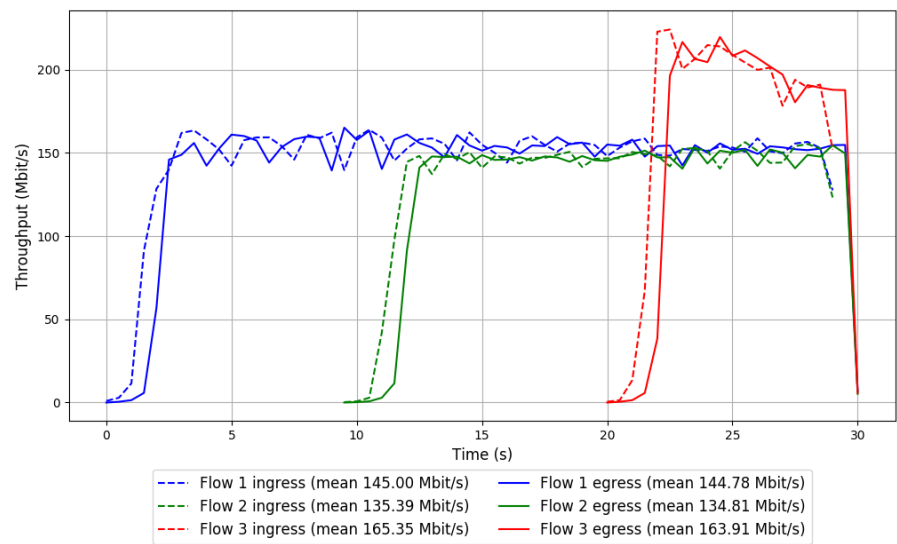
-- Flow 3:

Average throughput: 163.91 Mbit/s

95th percentile per-packet one-way delay: 129.172 ms

Loss rate: 0.88%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-10 06:22:46

End at: 2018-08-10 06:23:16

Local clock offset: -0.18 ms

Remote clock offset: 0.84 ms

Below is generated by plot.py at 2018-08-10 08:31:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.25 Mbit/s

95th percentile per-packet one-way delay: 111.453 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 181.85 Mbit/s

95th percentile per-packet one-way delay: 111.424 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 138.51 Mbit/s

95th percentile per-packet one-way delay: 111.540 ms

Loss rate: 0.00%

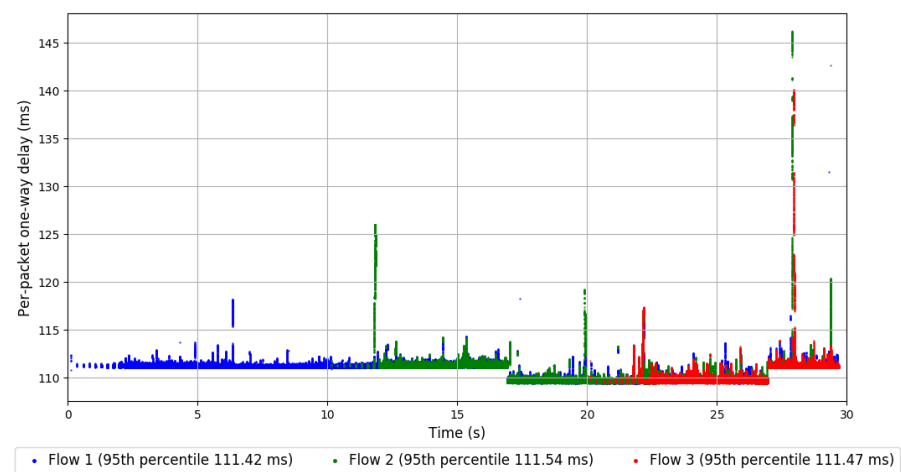
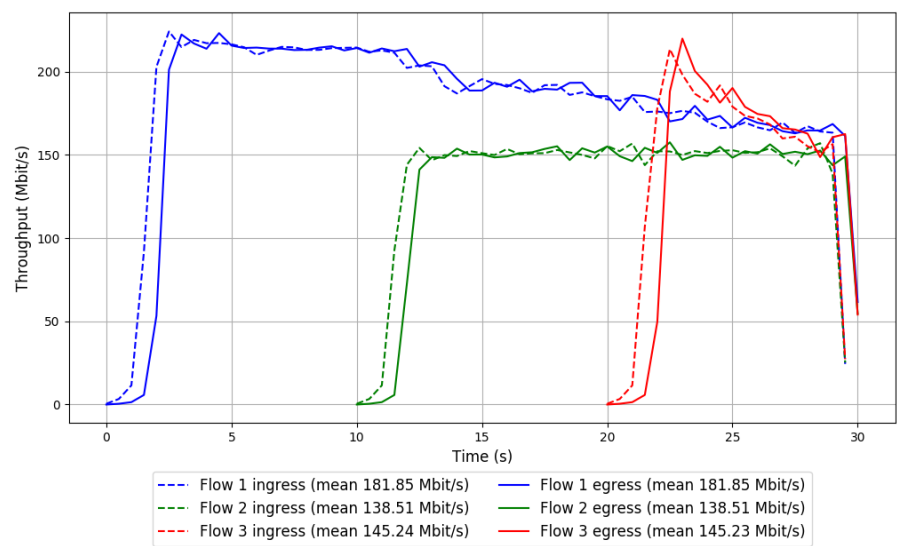
-- Flow 3:

Average throughput: 145.23 Mbit/s

95th percentile per-packet one-way delay: 111.466 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

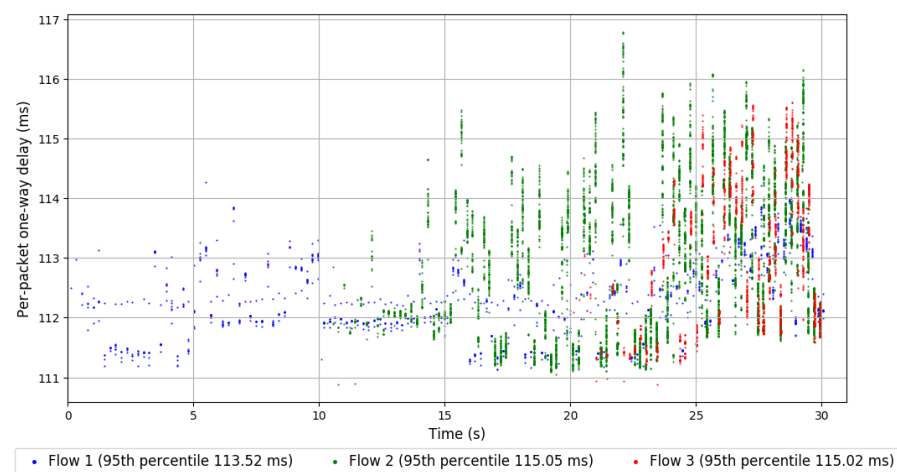
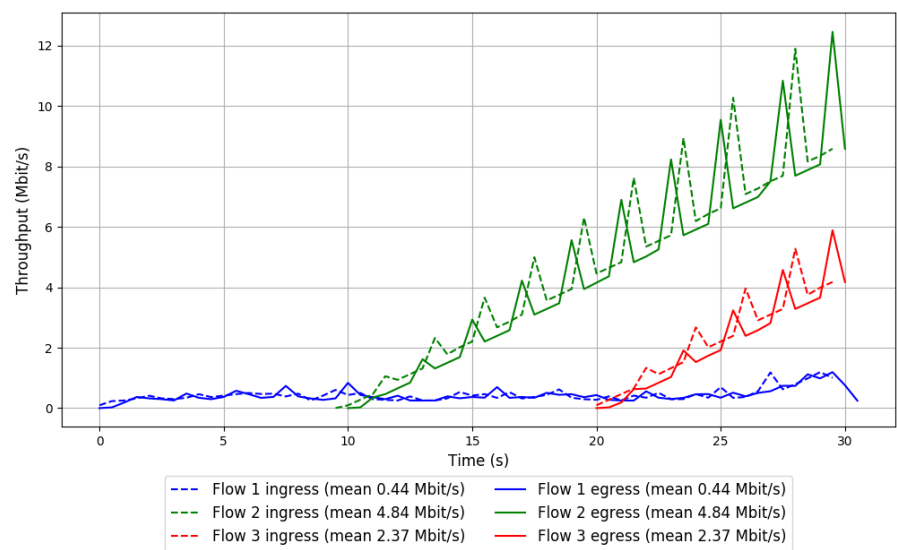


Run 1: Statistics of LEDBAT

Start at: 2018-08-10 02:23:28
End at: 2018-08-10 02:23:58
Local clock offset: -0.841 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 115.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 113.522 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 115.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 115.017 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

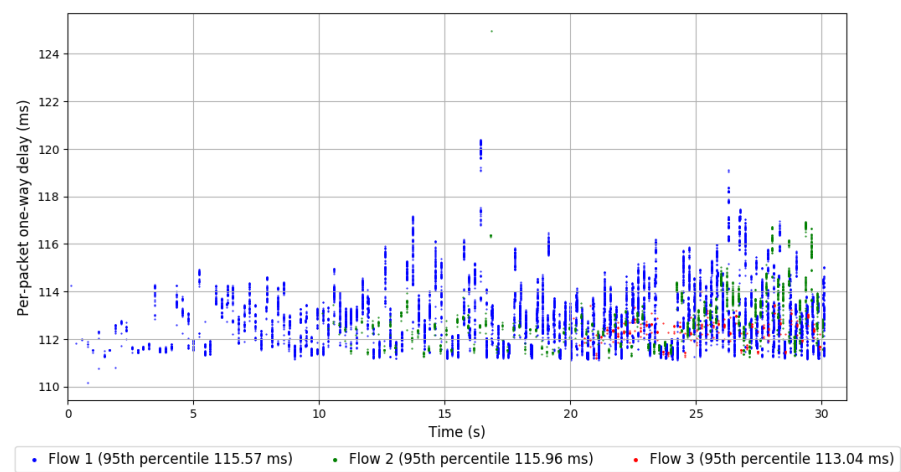
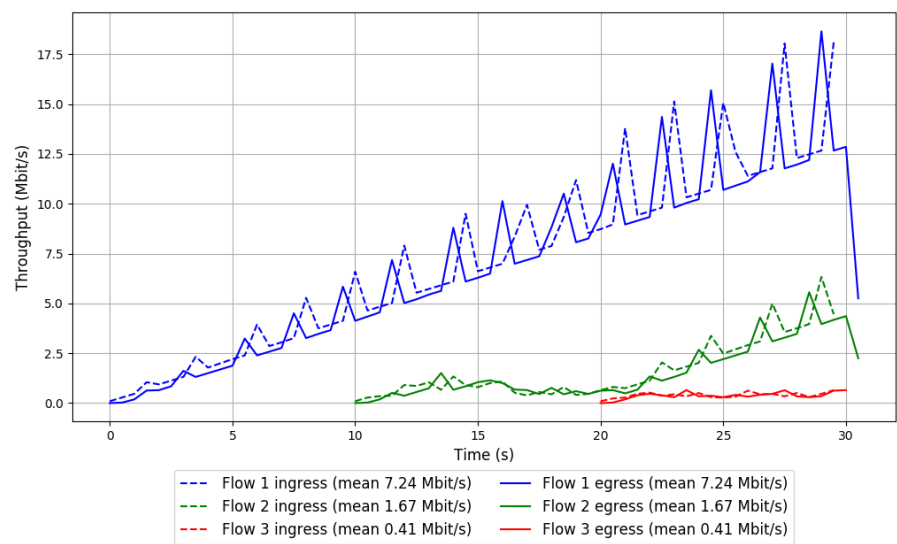


```
Run 2: Statistics of LEDBAT

Start at: 2018-08-10 02:49:55
End at: 2018-08-10 02:50:25
Local clock offset: -0.67 ms
Remote clock offset: 0.14 ms

# Below is generated by plot.py at 2018-08-10 08:31:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 115.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 115.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 115.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 113.042 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

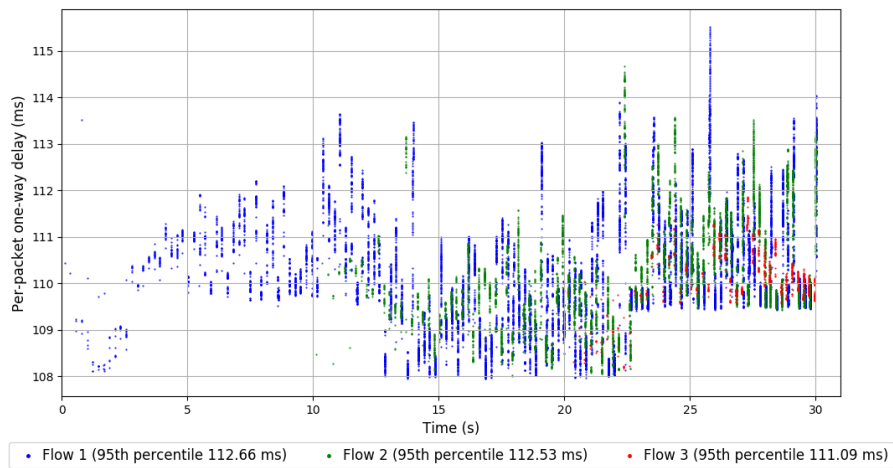
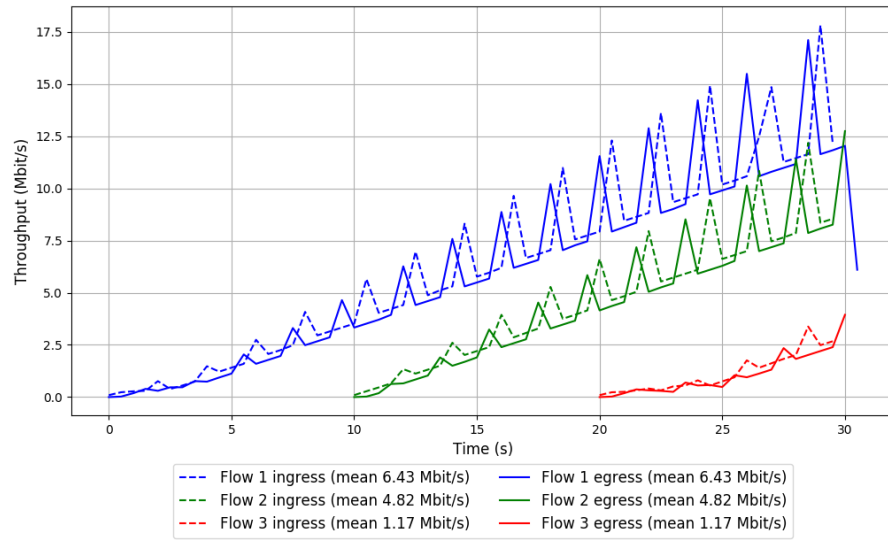


Run 3: Statistics of LEDBAT

Start at: 2018-08-10 03:15:51
End at: 2018-08-10 03:16:21
Local clock offset: 1.113 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 112.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 112.656 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 112.526 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 111.094 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

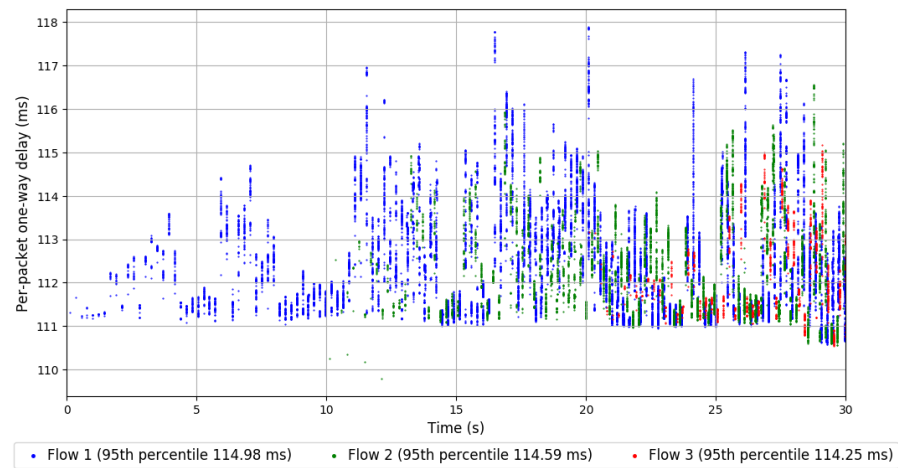
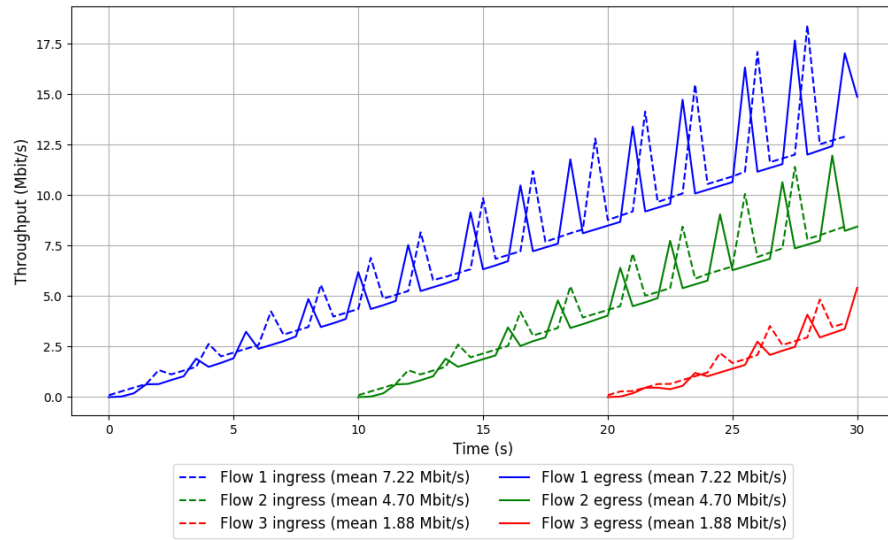


Run 4: Statistics of LEDBAT

Start at: 2018-08-10 03:41:55
End at: 2018-08-10 03:42:25
Local clock offset: 0.3 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 114.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 114.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 114.586 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 114.248 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

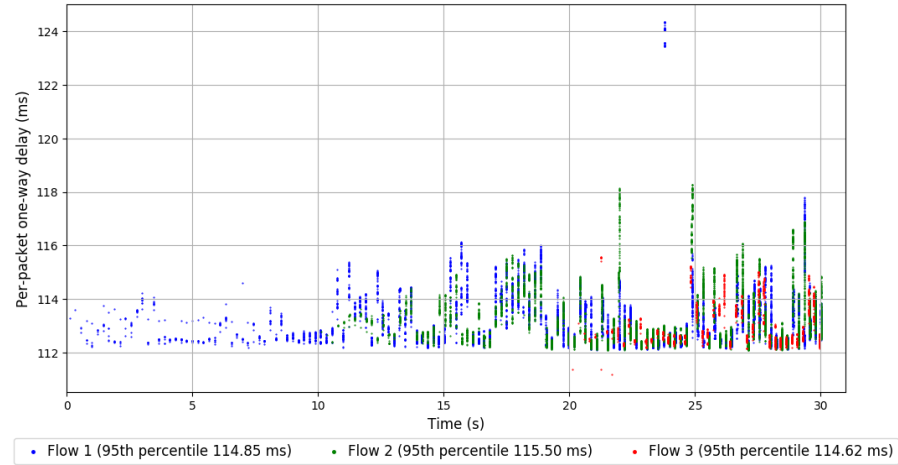
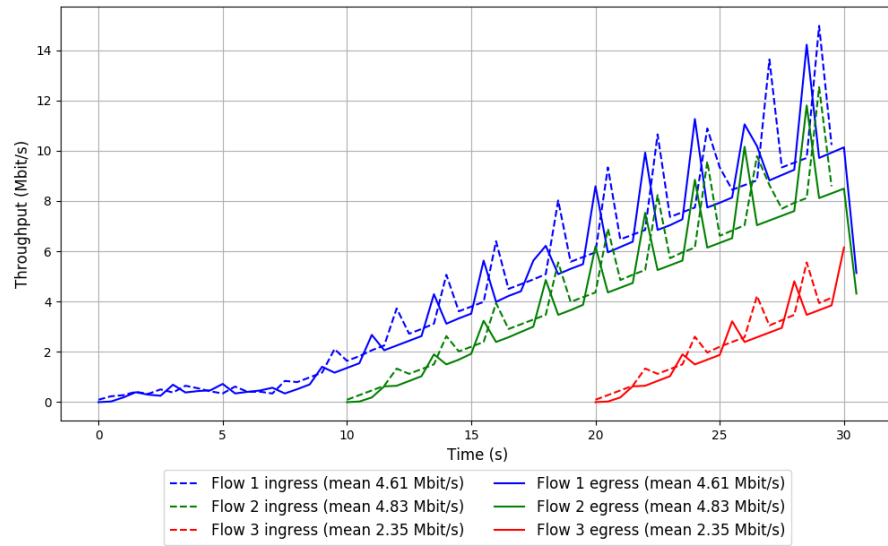


Run 5: Statistics of LEDBAT

Start at: 2018-08-10 04:07:54
End at: 2018-08-10 04:08:25
Local clock offset: -1.333 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 115.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 114.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 115.505 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 114.621 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

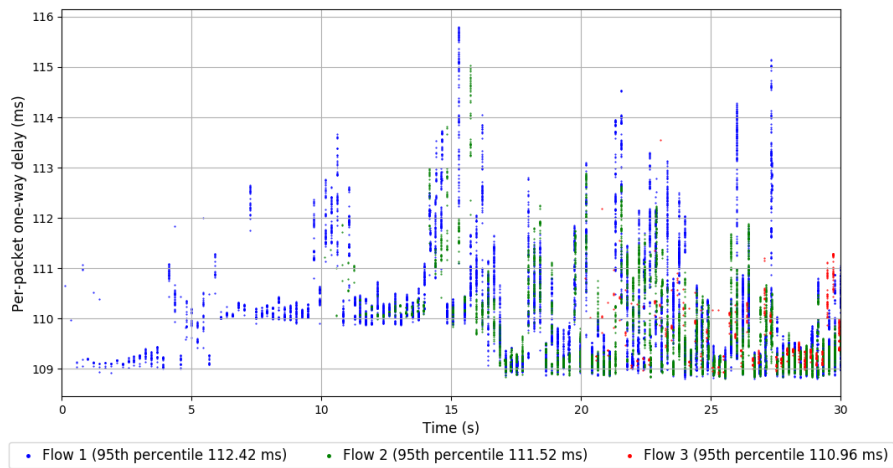
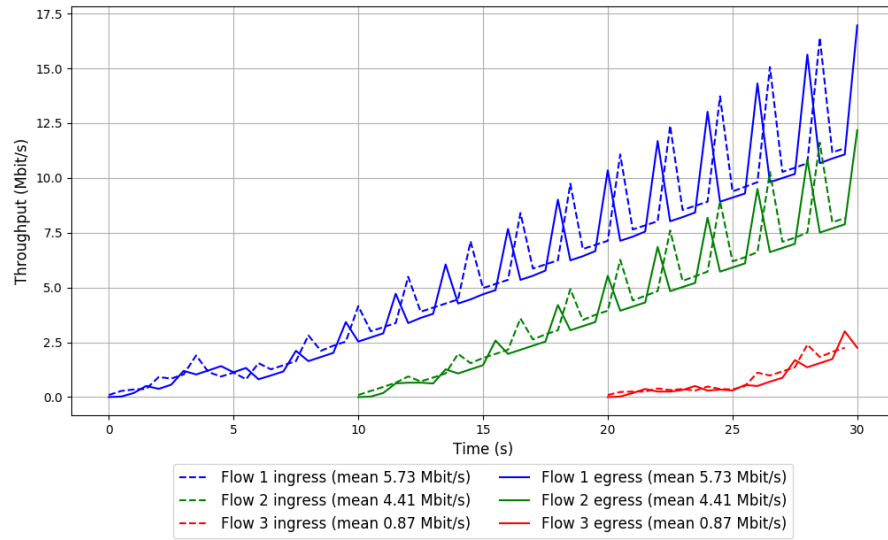


Run 6: Statistics of LEDBAT

Start at: 2018-08-10 04:33:58
End at: 2018-08-10 04:34:28
Local clock offset: 0.891 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 112.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 112.421 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 111.519 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 110.957 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

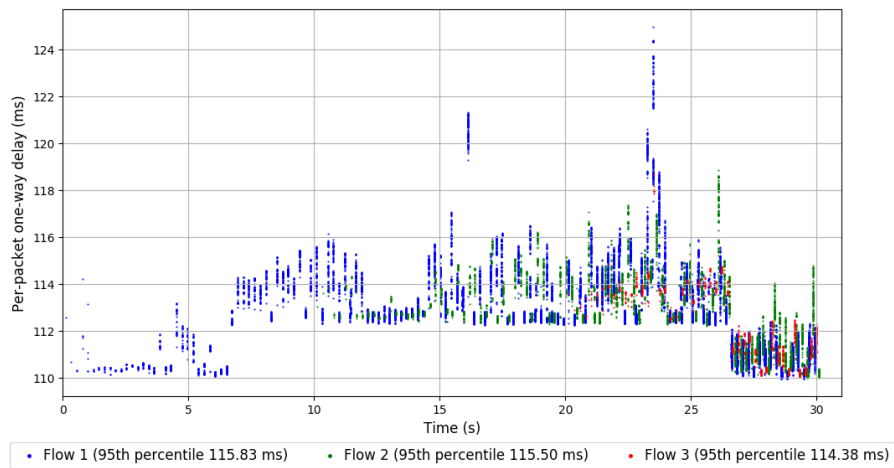
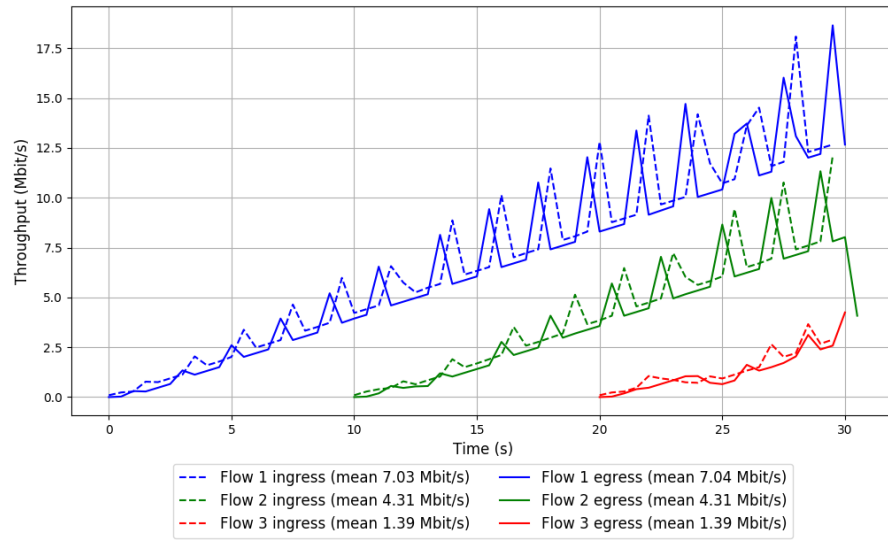


Run 7: Statistics of LEDBAT

Start at: 2018-08-10 05:00:17
End at: 2018-08-10 05:00:47
Local clock offset: -1.317 ms
Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 115.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 115.832 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 115.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 114.381 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-10 05:27:02

End at: 2018-08-10 05:27:33

Local clock offset: -0.321 ms

Remote clock offset: 0.532 ms

Below is generated by plot.py at 2018-08-10 08:31:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.82 Mbit/s

95th percentile per-packet one-way delay: 114.029 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 113.930 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.70 Mbit/s

95th percentile per-packet one-way delay: 114.395 ms

Loss rate: 0.00%

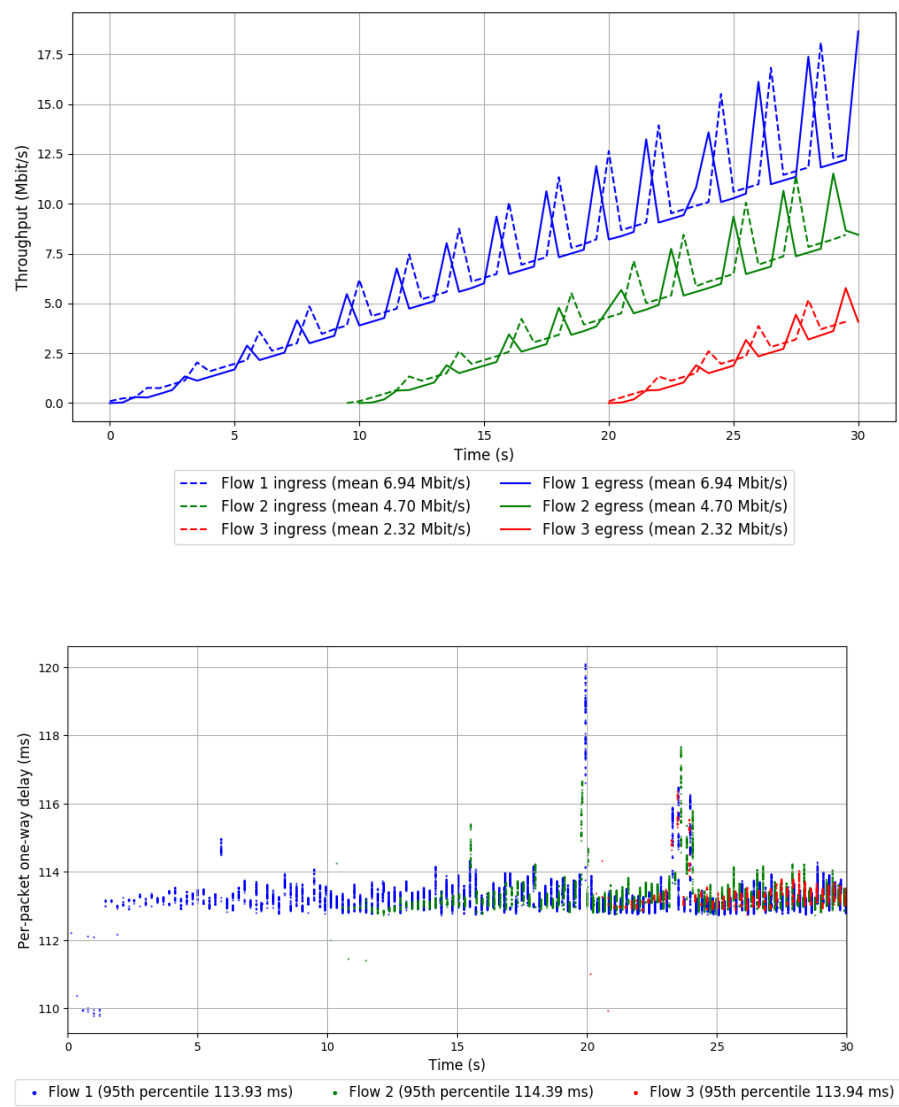
-- Flow 3:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 113.936 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-10 05:53:34

End at: 2018-08-10 05:54:04

Local clock offset: 0.172 ms

Remote clock offset: 0.634 ms

Below is generated by plot.py at 2018-08-10 08:31:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 115.829 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 116.193 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 115.295 ms

Loss rate: 0.00%

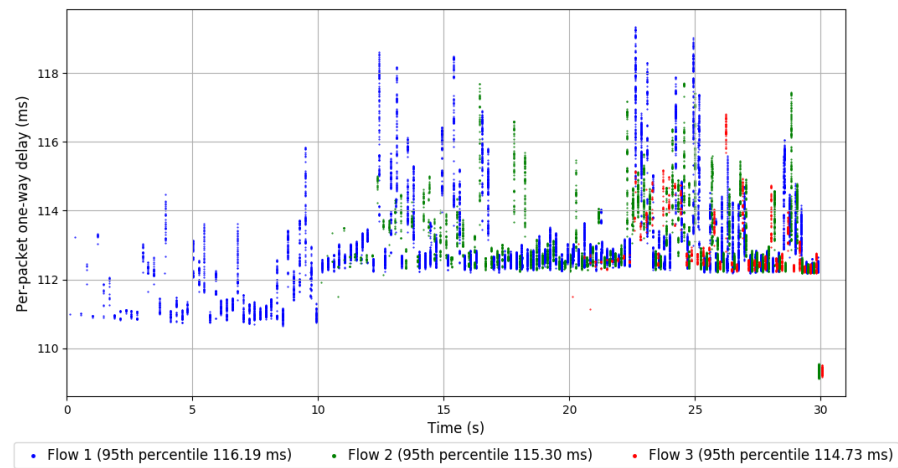
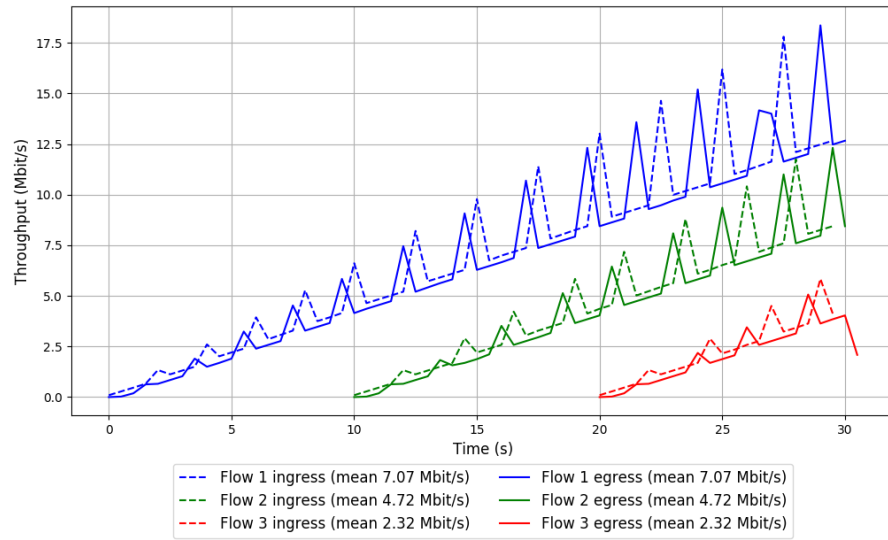
-- Flow 3:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 114.735 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-10 06:19:41

End at: 2018-08-10 06:20:11

Local clock offset: -0.215 ms

Remote clock offset: 1.237 ms

Below is generated by plot.py at 2018-08-10 08:31:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 112.233 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.97 Mbit/s

95th percentile per-packet one-way delay: 112.218 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 112.304 ms

Loss rate: 0.00%

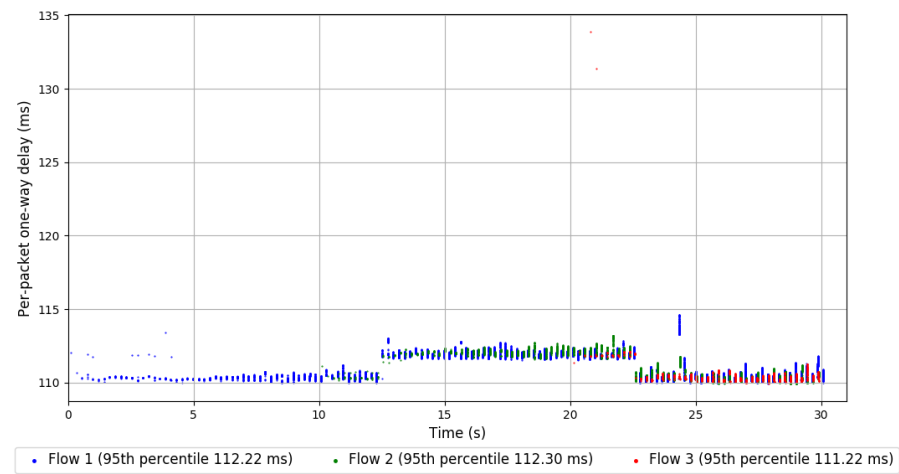
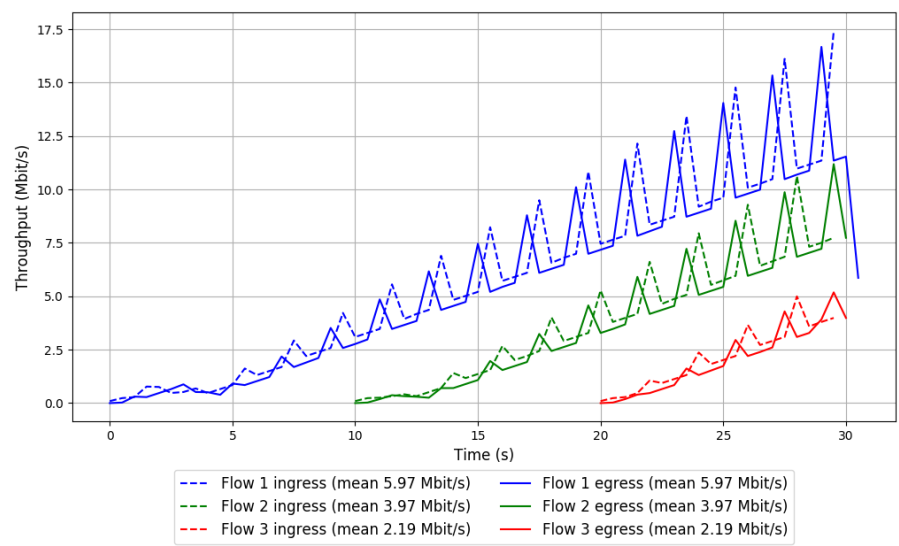
-- Flow 3:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 111.223 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

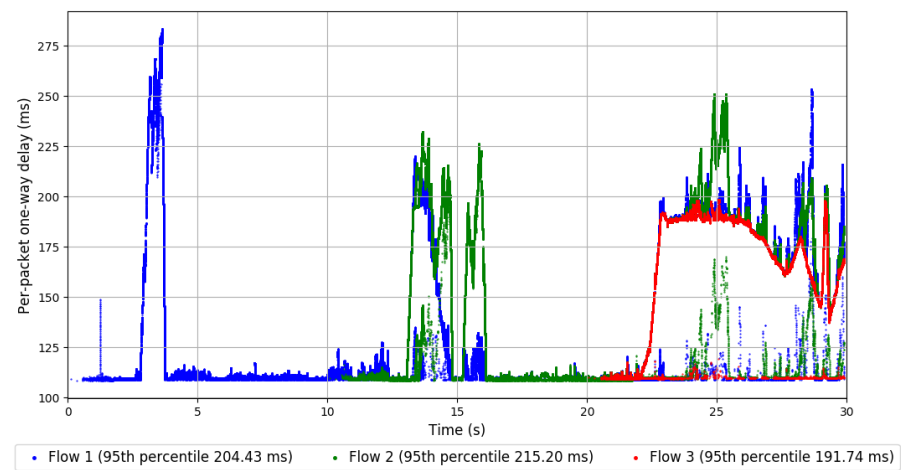
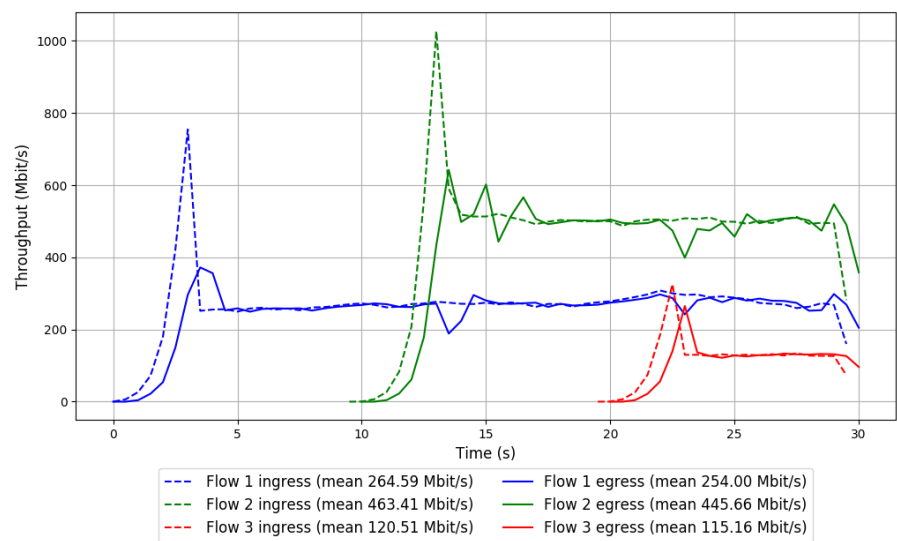


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-10 02:29:42
End at: 2018-08-10 02:30:12
Local clock offset: 1.068 ms
Remote clock offset: -0.682 ms

# Below is generated by plot.py at 2018-08-10 08:31:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 588.43 Mbit/s
95th percentile per-packet one-way delay: 209.676 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 254.00 Mbit/s
95th percentile per-packet one-way delay: 204.430 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 445.66 Mbit/s
95th percentile per-packet one-way delay: 215.202 ms
Loss rate: 3.82%
-- Flow 3:
Average throughput: 115.16 Mbit/s
95th percentile per-packet one-way delay: 191.737 ms
Loss rate: 4.43%
```

Run 1: Report of PCC-Allegro — Data Link

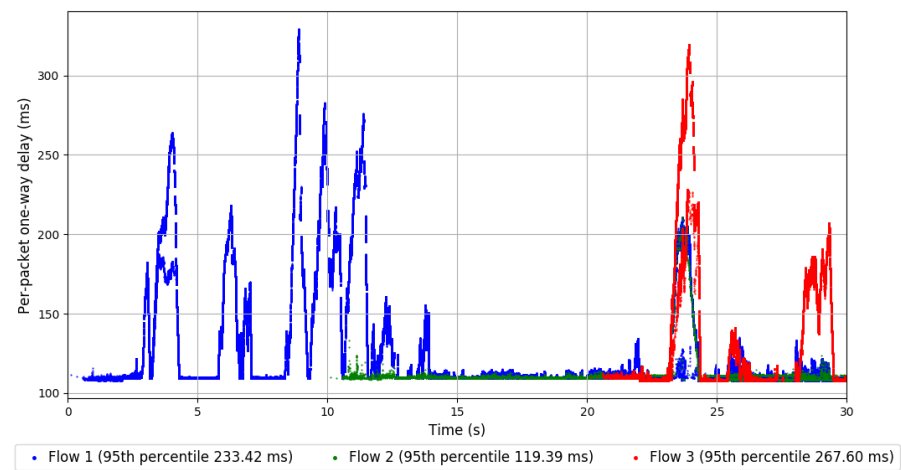
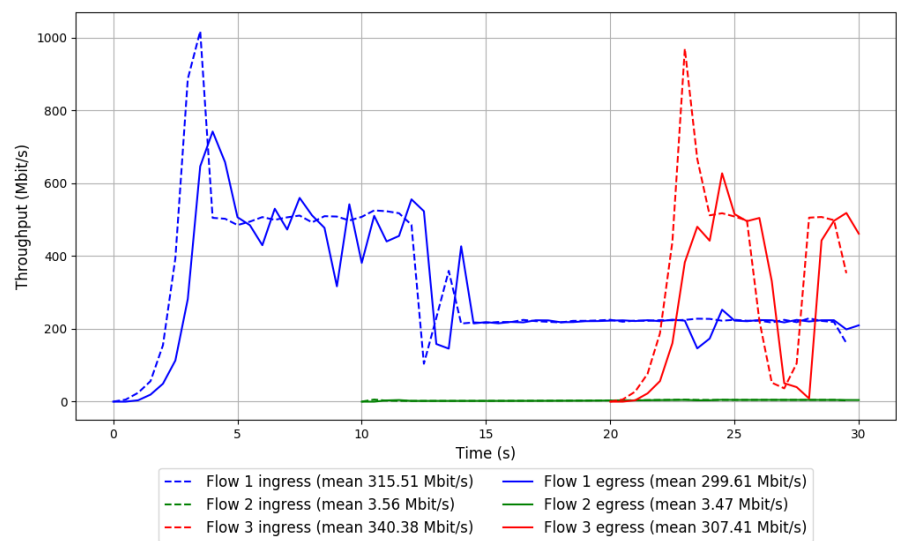


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-10 02:56:12
End at: 2018-08-10 02:56:42
Local clock offset: 1.129 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.06 Mbit/s
95th percentile per-packet one-way delay: 239.956 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 299.61 Mbit/s
95th percentile per-packet one-way delay: 233.423 ms
Loss rate: 5.05%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 119.388 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 307.41 Mbit/s
95th percentile per-packet one-way delay: 267.603 ms
Loss rate: 9.70%

Run 2: Report of PCC-Allegro — Data Link

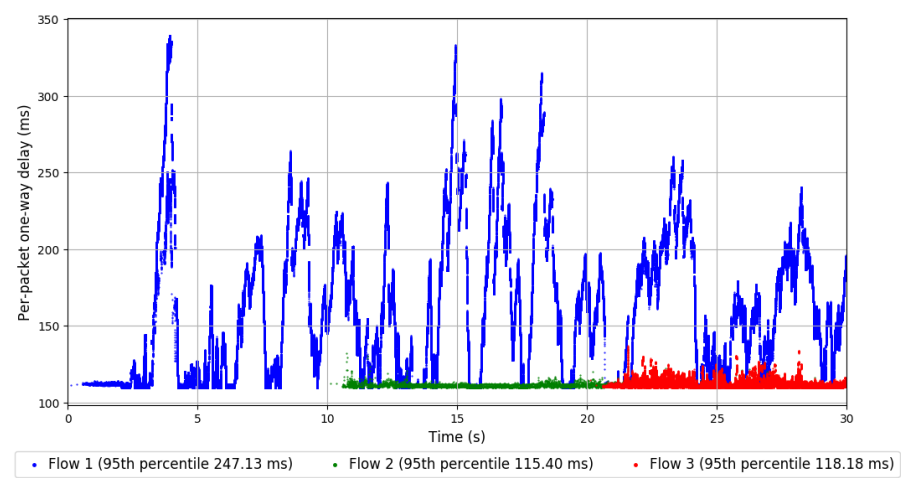
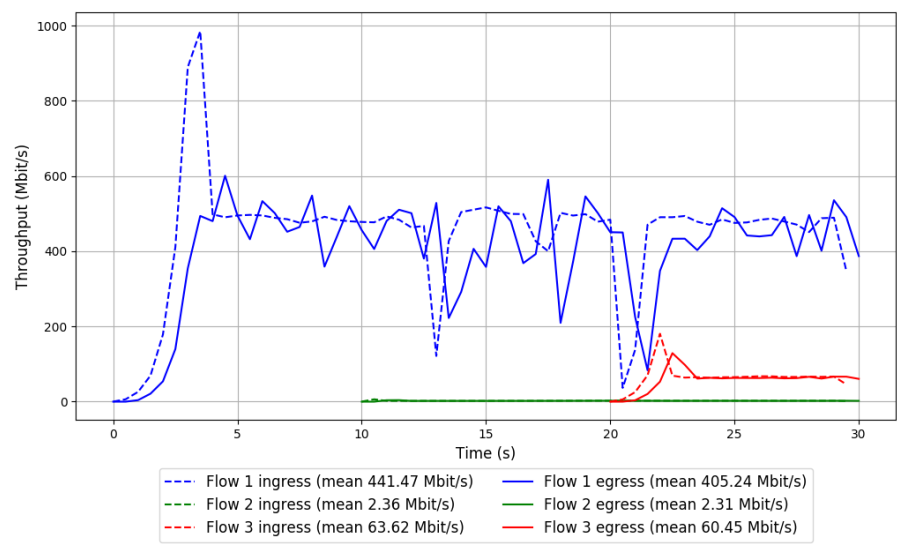


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-10 03:22:12
End at: 2018-08-10 03:22:42
Local clock offset: -0.93 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-08-10 08:31:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 426.69 Mbit/s
95th percentile per-packet one-way delay: 245.922 ms
Loss rate: 8.03%
-- Flow 1:
Average throughput: 405.24 Mbit/s
95th percentile per-packet one-way delay: 247.126 ms
Loss rate: 8.20%
-- Flow 2:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 115.399 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 118.178 ms
Loss rate: 5.02%

Run 3: Report of PCC-Allegro — Data Link

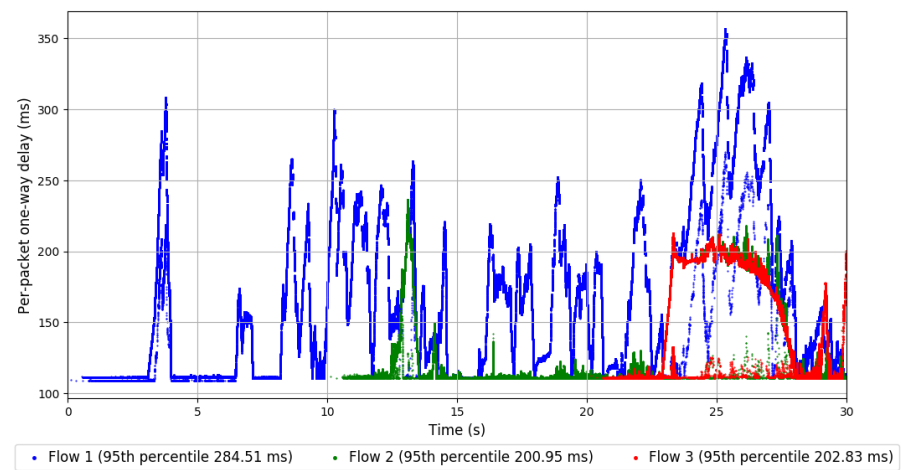
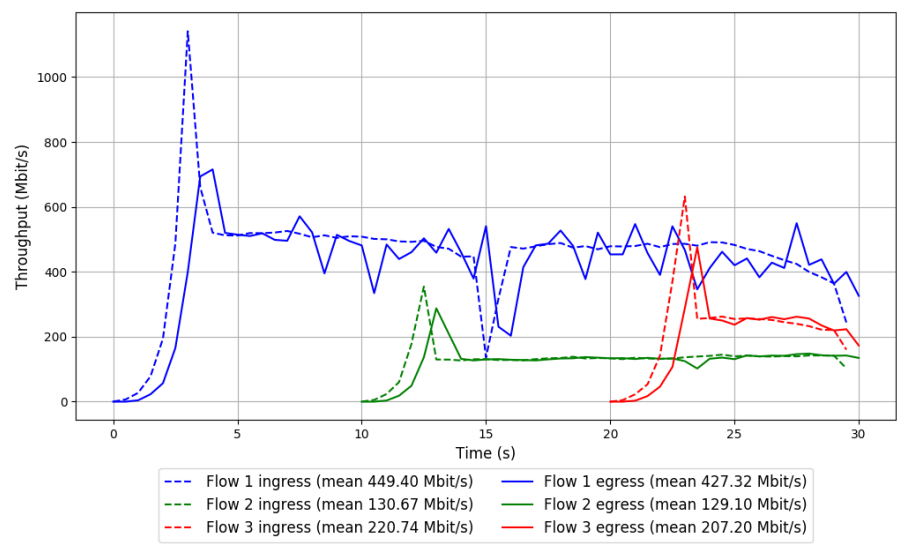


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-10 03:48:07
End at: 2018-08-10 03:48:37
Local clock offset: 0.17 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-08-10 08:31:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 581.24 Mbit/s
95th percentile per-packet one-way delay: 268.283 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 427.32 Mbit/s
95th percentile per-packet one-way delay: 284.506 ms
Loss rate: 4.90%
-- Flow 2:
Average throughput: 129.10 Mbit/s
95th percentile per-packet one-way delay: 200.950 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 207.20 Mbit/s
95th percentile per-packet one-way delay: 202.829 ms
Loss rate: 6.11%

Run 4: Report of PCC-Allegro — Data Link

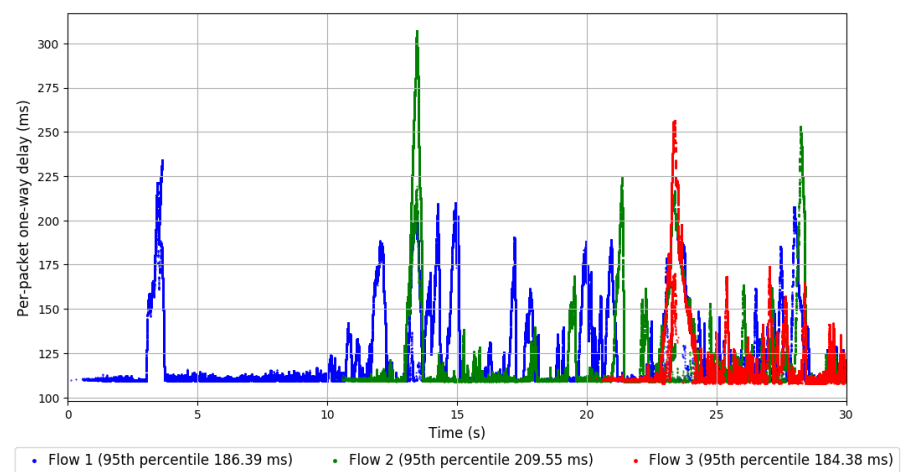
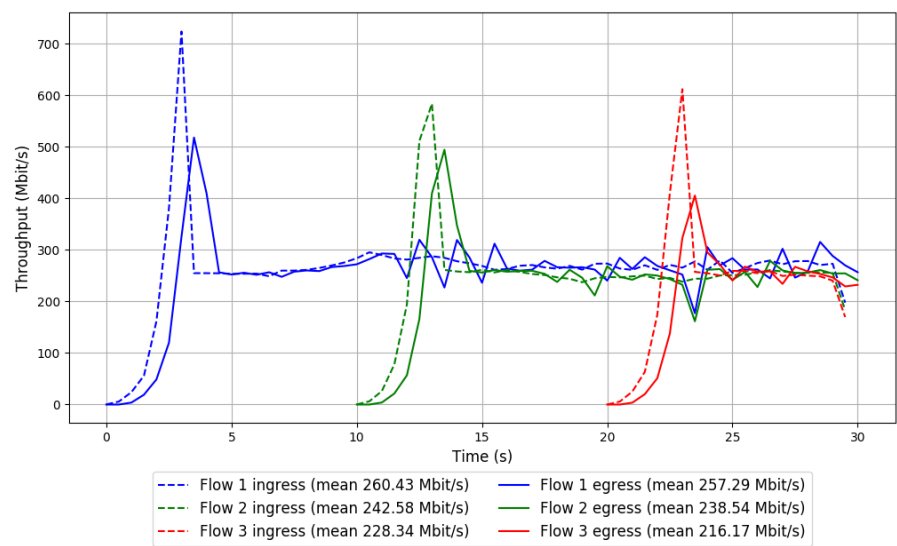


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-10 04:14:03
End at: 2018-08-10 04:14:33
Local clock offset: 1.306 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-08-10 08:34:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 487.05 Mbit/s
95th percentile per-packet one-way delay: 191.941 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 257.29 Mbit/s
95th percentile per-packet one-way delay: 186.392 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 238.54 Mbit/s
95th percentile per-packet one-way delay: 209.547 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 216.17 Mbit/s
95th percentile per-packet one-way delay: 184.380 ms
Loss rate: 5.40%

Run 5: Report of PCC-Allegro — Data Link

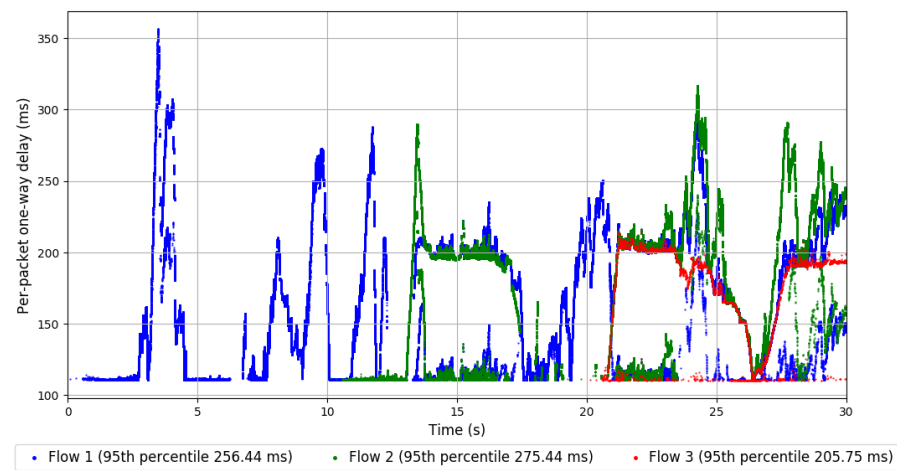
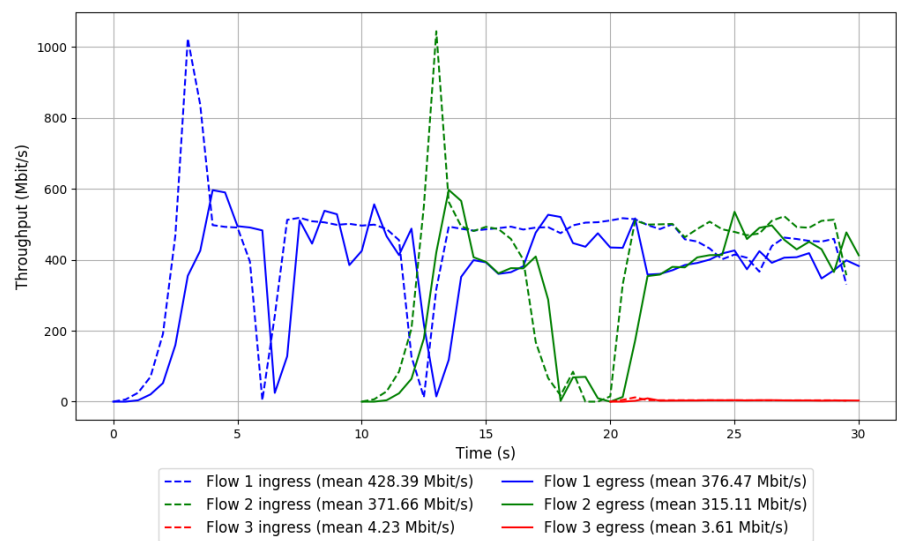


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-10 04:40:15
End at: 2018-08-10 04:40:45
Local clock offset: 0.06 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-10 08:37:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 587.05 Mbit/s
95th percentile per-packet one-way delay: 264.876 ms
Loss rate: 13.25%
-- Flow 1:
Average throughput: 376.47 Mbit/s
95th percentile per-packet one-way delay: 256.438 ms
Loss rate: 12.12%
-- Flow 2:
Average throughput: 315.11 Mbit/s
95th percentile per-packet one-way delay: 275.437 ms
Loss rate: 15.22%
-- Flow 3:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 205.745 ms
Loss rate: 14.51%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-10 05:06:38

End at: 2018-08-10 05:07:08

Local clock offset: -0.783 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2018-08-10 08:37:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 560.29 Mbit/s

95th percentile per-packet one-way delay: 246.238 ms

Loss rate: 4.09%

-- Flow 1:

Average throughput: 256.34 Mbit/s

95th percentile per-packet one-way delay: 195.708 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 396.33 Mbit/s

95th percentile per-packet one-way delay: 265.302 ms

Loss rate: 6.40%

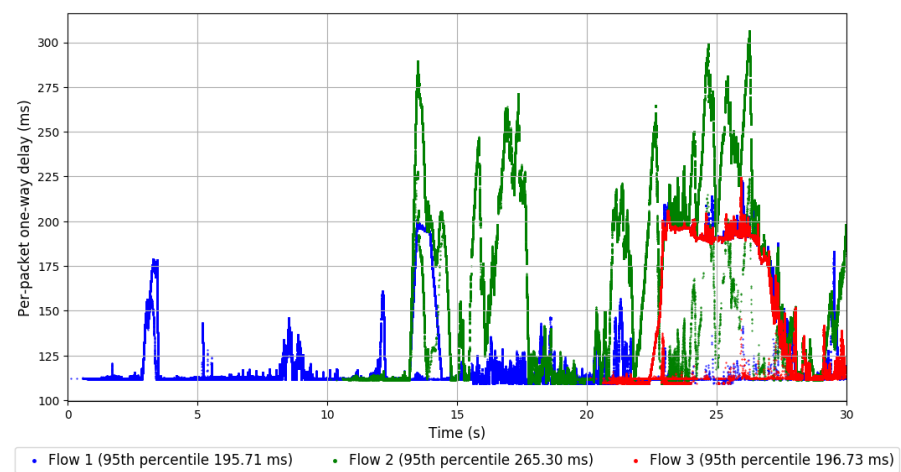
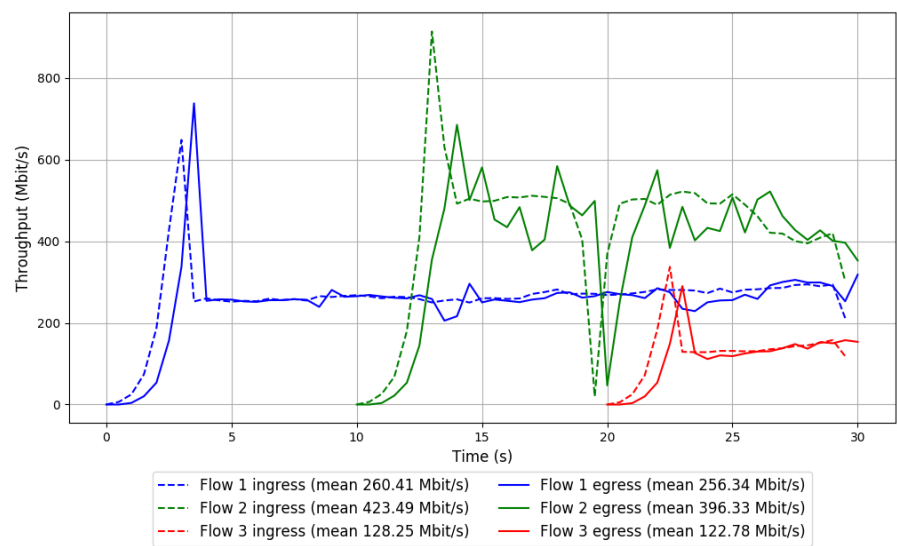
-- Flow 3:

Average throughput: 122.78 Mbit/s

95th percentile per-packet one-way delay: 196.732 ms

Loss rate: 4.24%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-10 05:33:22

End at: 2018-08-10 05:33:52

Local clock offset: -0.05 ms

Remote clock offset: 0.575 ms

Below is generated by plot.py at 2018-08-10 08:38:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 643.02 Mbit/s

95th percentile per-packet one-way delay: 238.114 ms

Loss rate: 2.18%

-- Flow 1:

Average throughput: 462.20 Mbit/s

95th percentile per-packet one-way delay: 243.852 ms

Loss rate: 2.27%

-- Flow 2:

Average throughput: 240.25 Mbit/s

95th percentile per-packet one-way delay: 192.813 ms

Loss rate: 2.20%

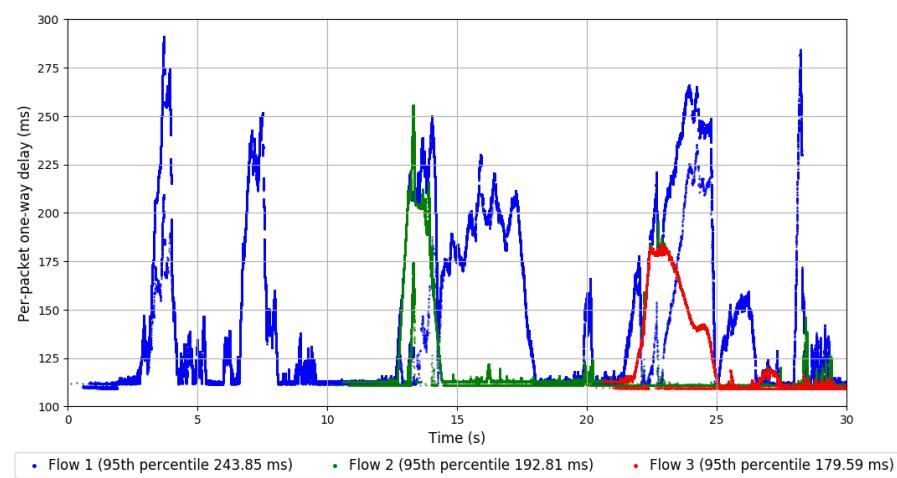
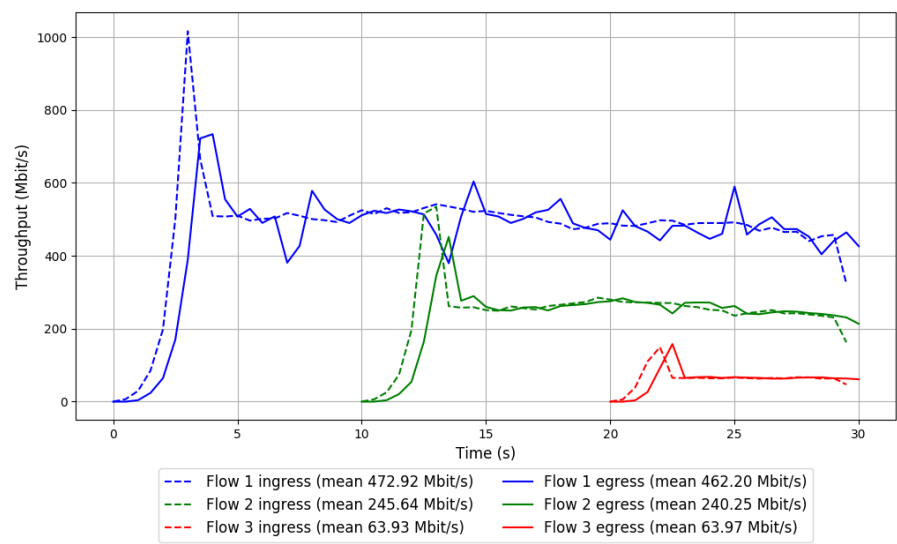
-- Flow 3:

Average throughput: 63.97 Mbit/s

95th percentile per-packet one-way delay: 179.591 ms

Loss rate: 0.03%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-10 05:59:24

End at: 2018-08-10 05:59:54

Local clock offset: -0.768 ms

Remote clock offset: 0.702 ms

Below is generated by plot.py at 2018-08-10 08:38:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 573.51 Mbit/s

95th percentile per-packet one-way delay: 217.367 ms

Loss rate: 3.80%

-- Flow 1:

Average throughput: 414.91 Mbit/s

95th percentile per-packet one-way delay: 223.305 ms

Loss rate: 4.23%

-- Flow 2:

Average throughput: 237.56 Mbit/s

95th percentile per-packet one-way delay: 136.606 ms

Loss rate: 2.66%

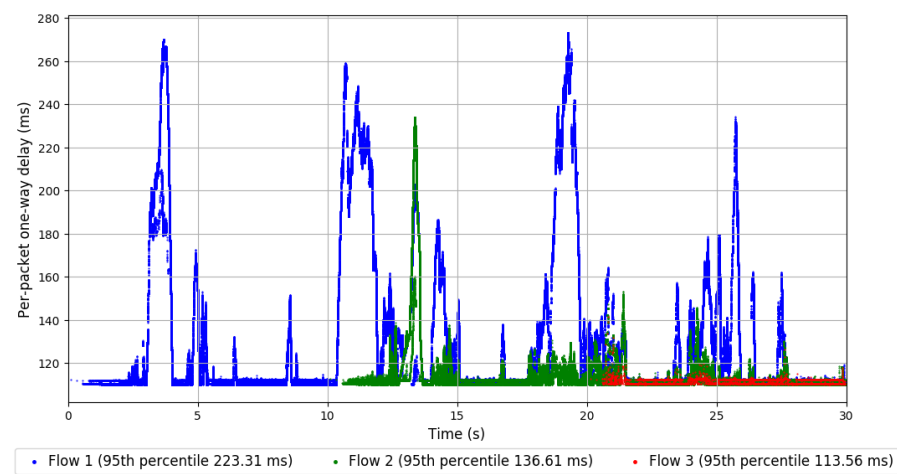
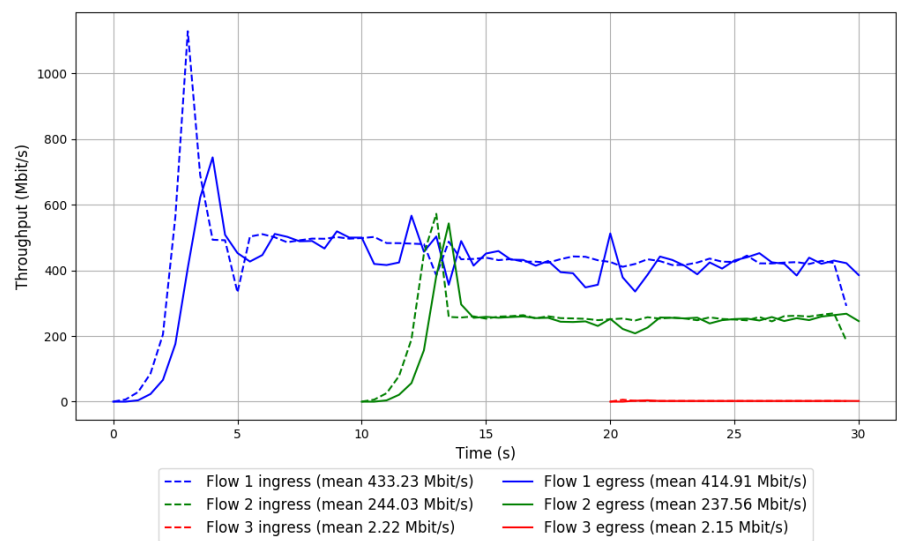
-- Flow 3:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 113.561 ms

Loss rate: 2.98%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-10 06:26:04

End at: 2018-08-10 06:26:34

Local clock offset: -0.045 ms

Remote clock offset: 0.524 ms

Below is generated by plot.py at 2018-08-10 08:40:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 649.45 Mbit/s

95th percentile per-packet one-way delay: 213.553 ms

Loss rate: 2.74%

-- Flow 1:

Average throughput: 456.14 Mbit/s

95th percentile per-packet one-way delay: 220.092 ms

Loss rate: 2.73%

-- Flow 2:

Average throughput: 231.80 Mbit/s

95th percentile per-packet one-way delay: 184.211 ms

Loss rate: 2.71%

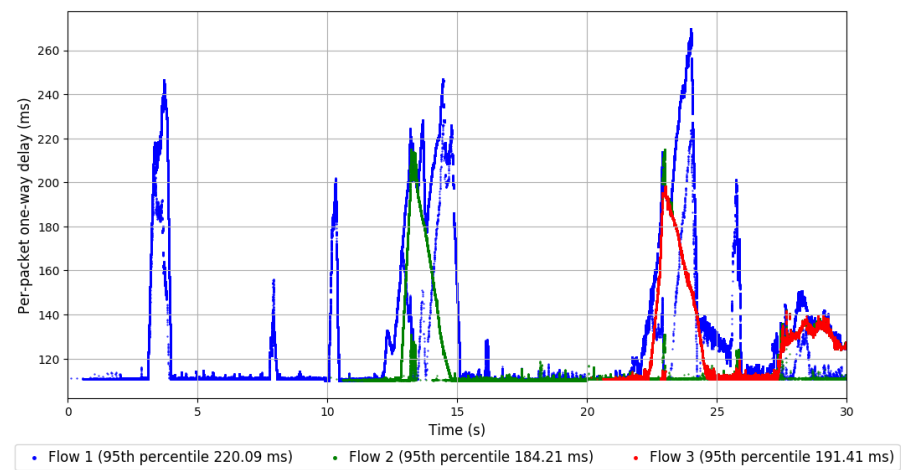
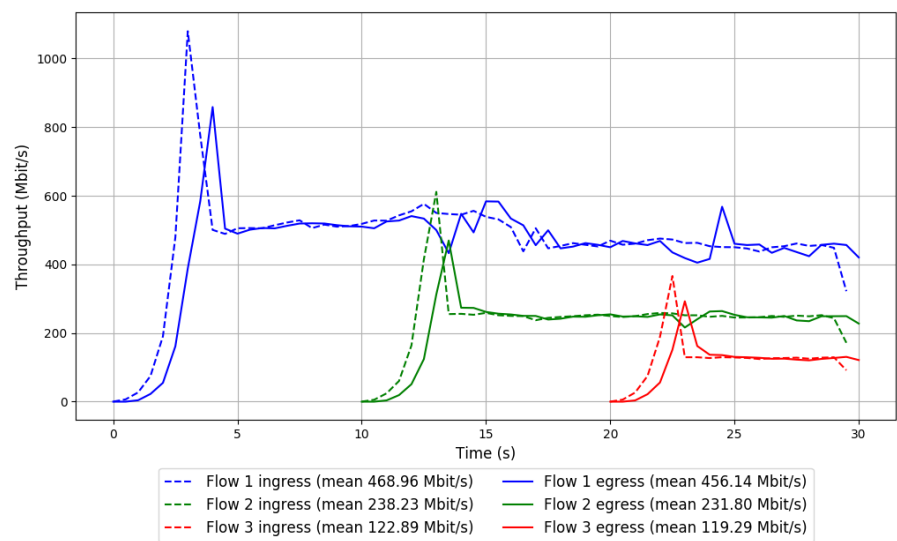
-- Flow 3:

Average throughput: 119.29 Mbit/s

95th percentile per-packet one-way delay: 191.405 ms

Loss rate: 2.94%

Run 10: Report of PCC-Allegro — Data Link

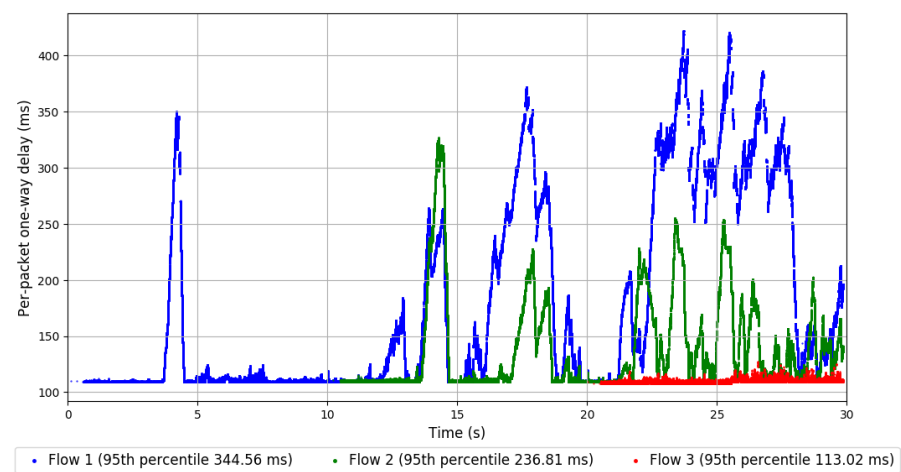
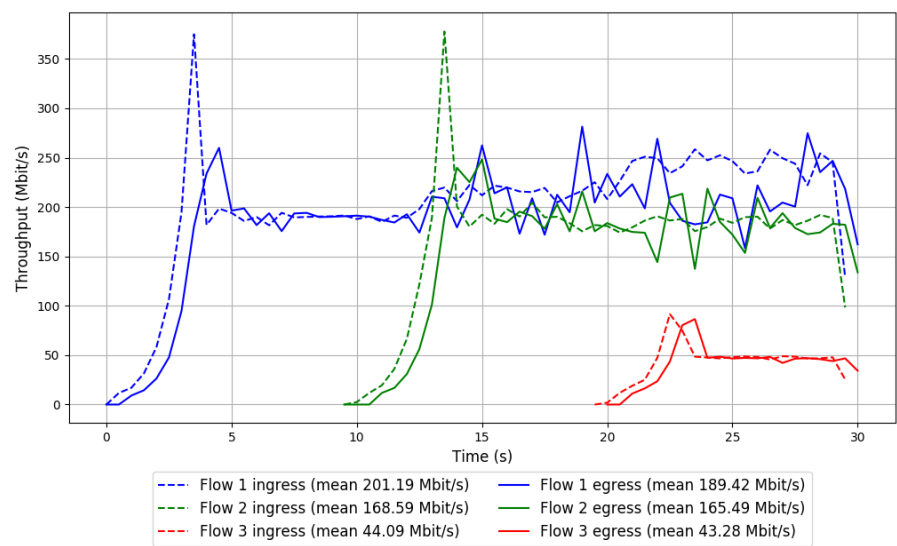


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-10 02:36:18
End at: 2018-08-10 02:36:48
Local clock offset: 1.014 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2018-08-10 08:42:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 314.27 Mbit/s
95th percentile per-packet one-way delay: 326.572 ms
Loss rate: 4.30%
-- Flow 1:
Average throughput: 189.42 Mbit/s
95th percentile per-packet one-way delay: 344.564 ms
Loss rate: 5.85%
-- Flow 2:
Average throughput: 165.49 Mbit/s
95th percentile per-packet one-way delay: 236.812 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 113.021 ms
Loss rate: 1.85%
```


Run 1: Report of PCC-Expr — Data Link

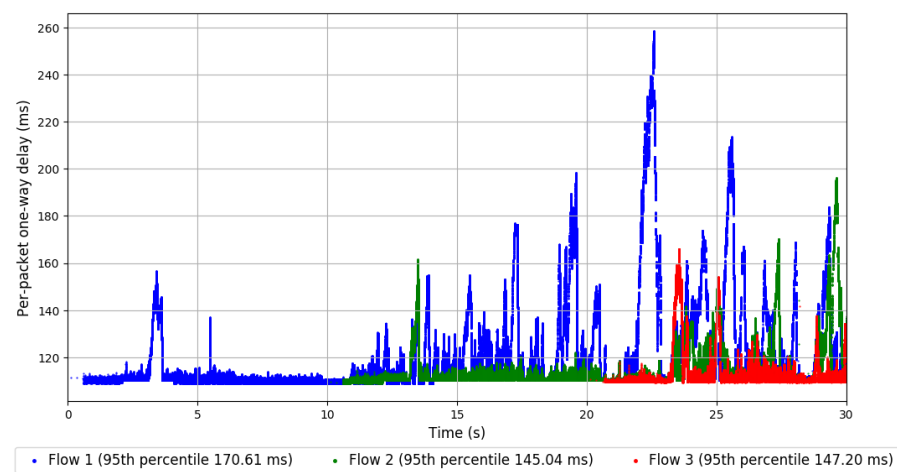
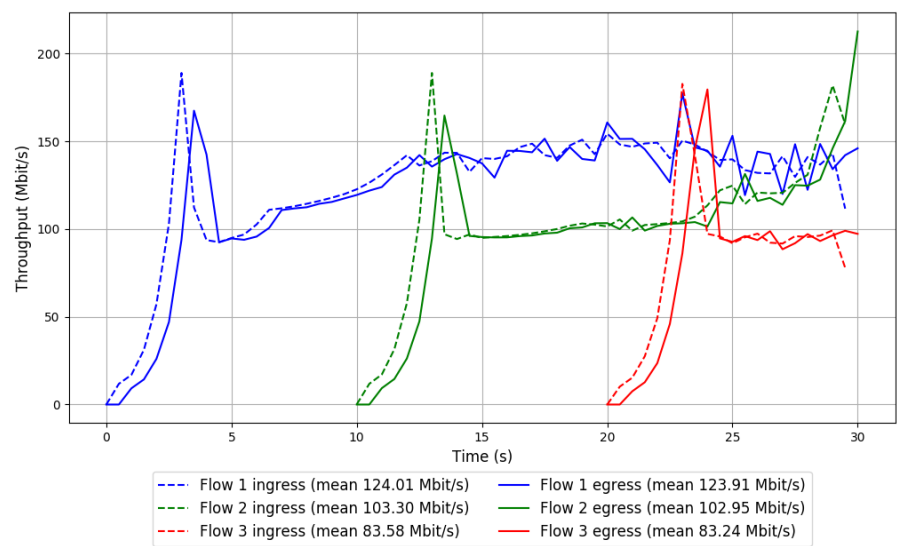


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-10 03:02:32
End at: 2018-08-10 03:03:02
Local clock offset: -0.264 ms
Remote clock offset: -0.528 ms

# Below is generated by plot.py at 2018-08-10 08:42:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 219.84 Mbit/s
95th percentile per-packet one-way delay: 160.442 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 123.91 Mbit/s
95th percentile per-packet one-way delay: 170.606 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 102.95 Mbit/s
95th percentile per-packet one-way delay: 145.043 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 83.24 Mbit/s
95th percentile per-packet one-way delay: 147.200 ms
Loss rate: 0.40%
```

Run 2: Report of PCC-Expr — Data Link

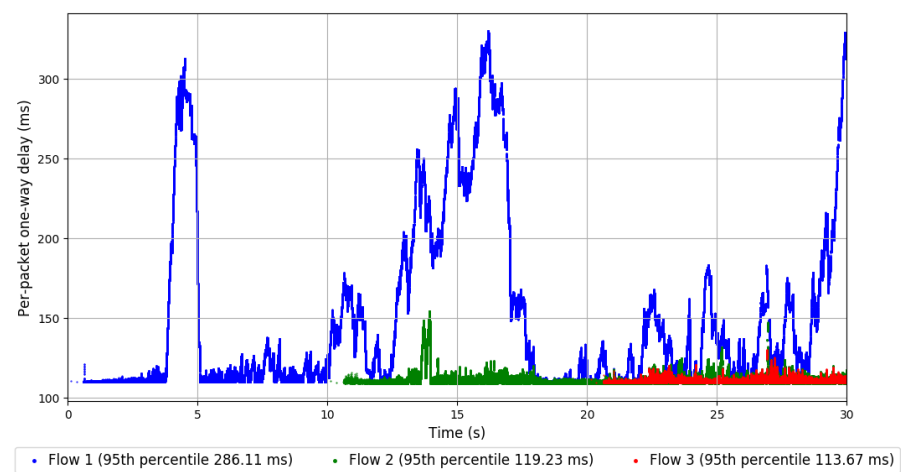
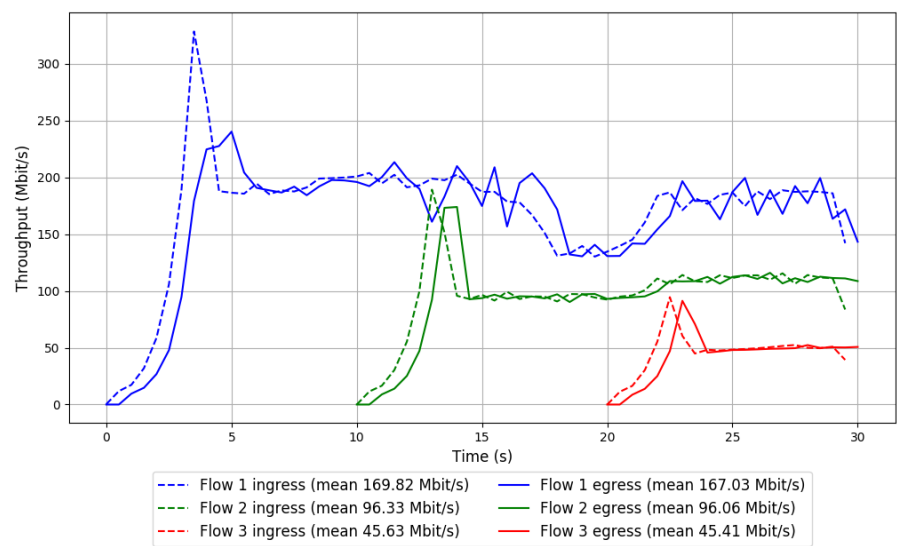


Run 3: Statistics of PCC-Expr

Start at: 2018-08-10 03:28:30
End at: 2018-08-10 03:29:00
Local clock offset: 1.185 ms
Remote clock offset: -0.262 ms

Below is generated by plot.py at 2018-08-10 08:43:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.88 Mbit/s
95th percentile per-packet one-way delay: 273.898 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 167.03 Mbit/s
95th percentile per-packet one-way delay: 286.107 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 119.235 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 45.41 Mbit/s
95th percentile per-packet one-way delay: 113.665 ms
Loss rate: 0.50%

Run 3: Report of PCC-Expr — Data Link

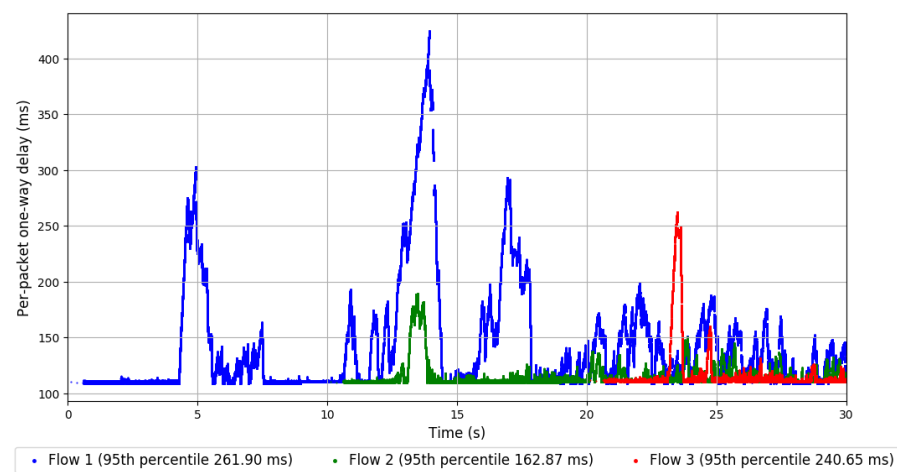
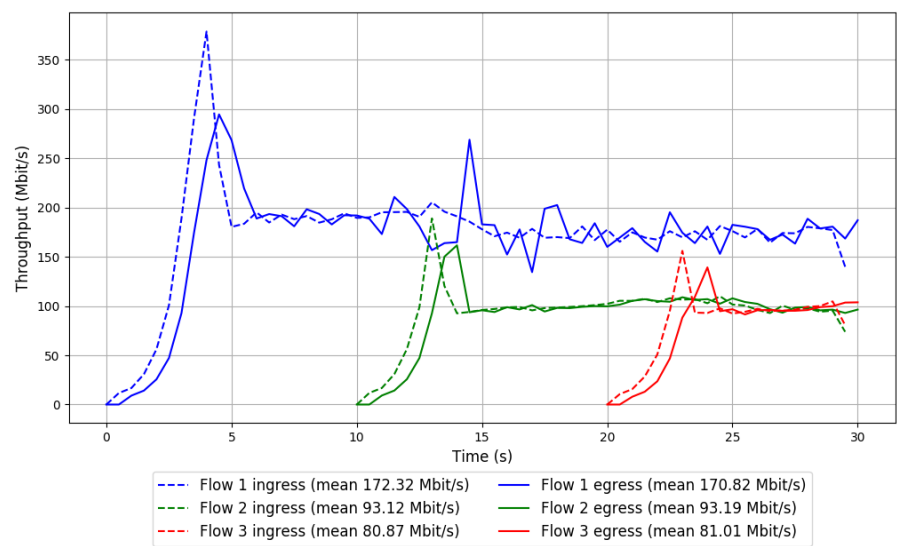


Run 4: Statistics of PCC-Expr

Start at: 2018-08-10 03:54:35
End at: 2018-08-10 03:55:05
Local clock offset: 0.141 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-08-10 08:46:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.47 Mbit/s
95th percentile per-packet one-way delay: 241.893 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 170.82 Mbit/s
95th percentile per-packet one-way delay: 261.905 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 162.871 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.01 Mbit/s
95th percentile per-packet one-way delay: 240.649 ms
Loss rate: 0.01%

Run 4: Report of PCC-Expr — Data Link

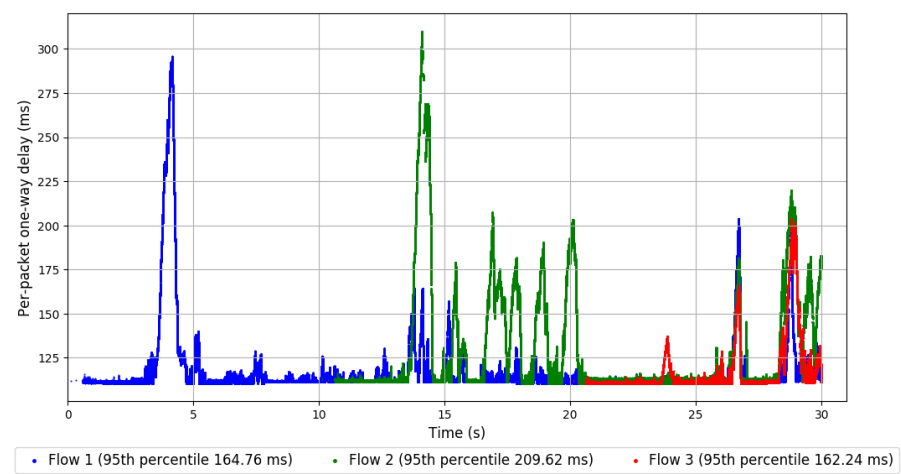
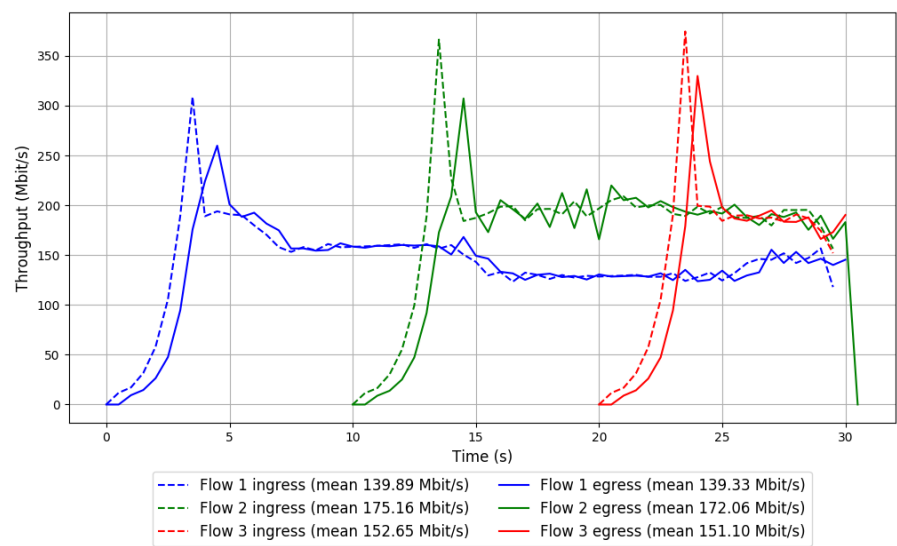


Run 5: Statistics of PCC-Expr

Start at: 2018-08-10 04:20:26
End at: 2018-08-10 04:20:56
Local clock offset: -0.817 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-08-10 08:47:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.61 Mbit/s
95th percentile per-packet one-way delay: 190.932 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 139.33 Mbit/s
95th percentile per-packet one-way delay: 164.760 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 172.06 Mbit/s
95th percentile per-packet one-way delay: 209.620 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 151.10 Mbit/s
95th percentile per-packet one-way delay: 162.241 ms
Loss rate: 1.01%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-10 04:46:38

End at: 2018-08-10 04:47:08

Local clock offset: -0.02 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-08-10 08:47:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.48 Mbit/s

95th percentile per-packet one-way delay: 166.482 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 158.66 Mbit/s

95th percentile per-packet one-way delay: 164.567 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 107.29 Mbit/s

95th percentile per-packet one-way delay: 173.089 ms

Loss rate: 0.10%

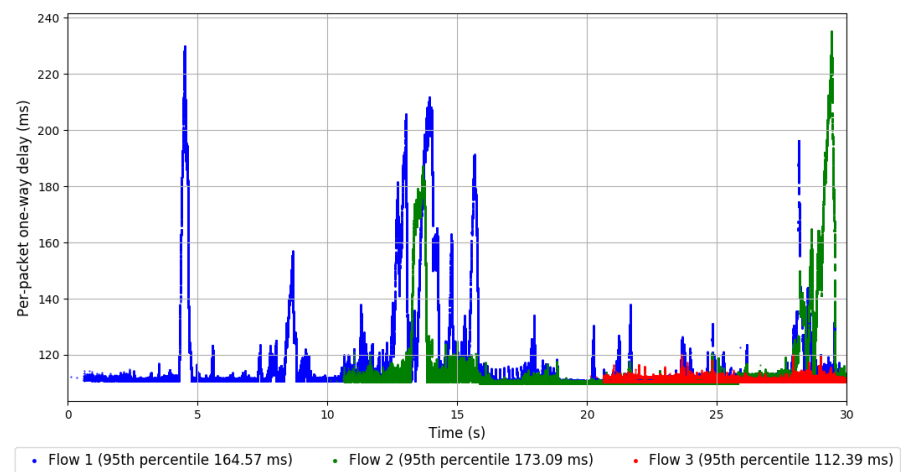
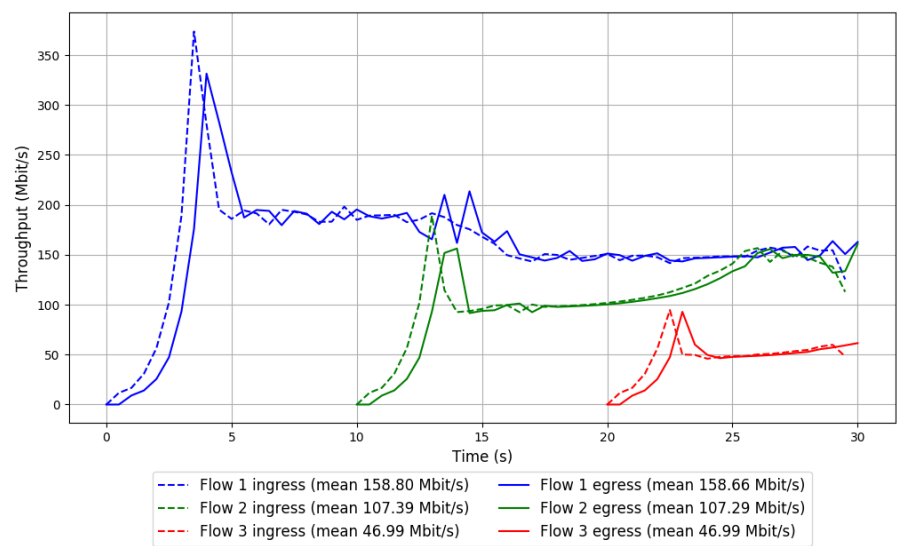
-- Flow 3:

Average throughput: 46.99 Mbit/s

95th percentile per-packet one-way delay: 112.394 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-10 05:13:10

End at: 2018-08-10 05:13:40

Local clock offset: -0.022 ms

Remote clock offset: 0.354 ms

Below is generated by plot.py at 2018-08-10 08:47:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.11 Mbit/s

95th percentile per-packet one-way delay: 131.173 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 139.32 Mbit/s

95th percentile per-packet one-way delay: 120.857 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 127.05 Mbit/s

95th percentile per-packet one-way delay: 137.869 ms

Loss rate: 0.13%

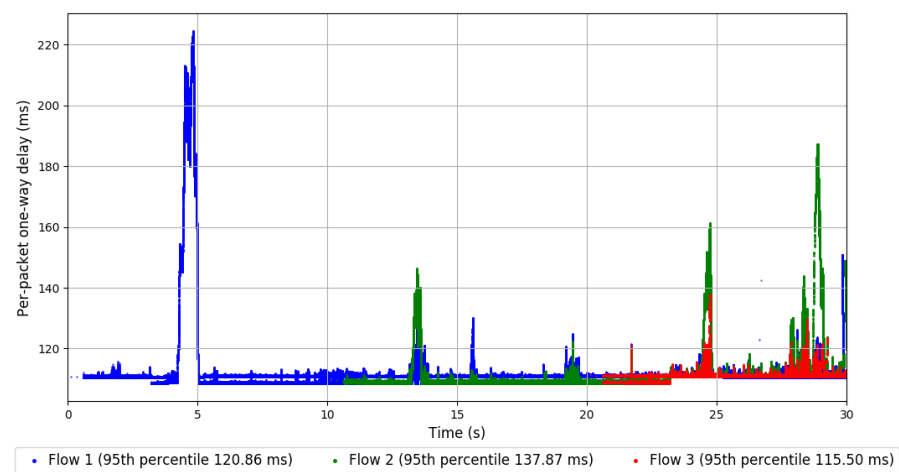
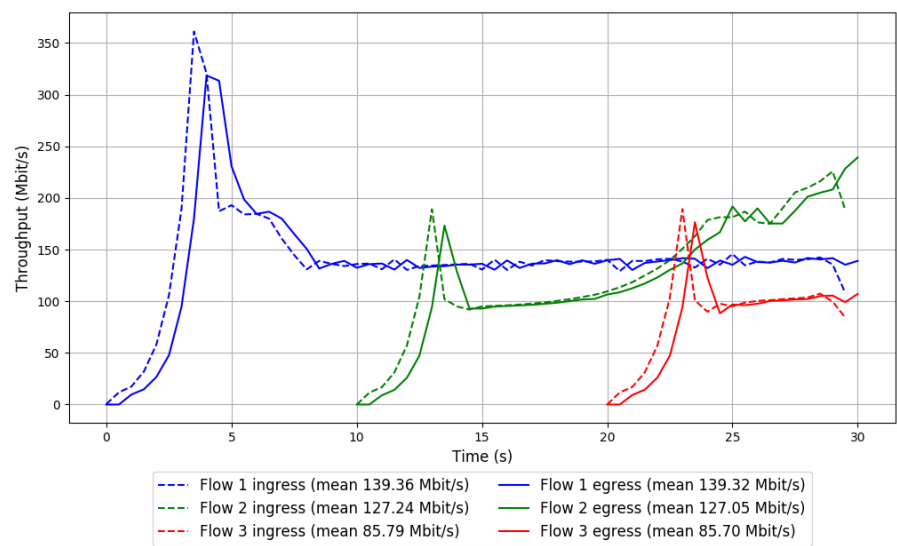
-- Flow 3:

Average throughput: 85.70 Mbit/s

95th percentile per-packet one-way delay: 115.505 ms

Loss rate: 0.10%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-10 05:39:52

End at: 2018-08-10 05:40:22

Local clock offset: -0.453 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-08-10 08:47:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.86 Mbit/s

95th percentile per-packet one-way delay: 113.747 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 112.896 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 181.86 Mbit/s

95th percentile per-packet one-way delay: 115.326 ms

Loss rate: 0.00%

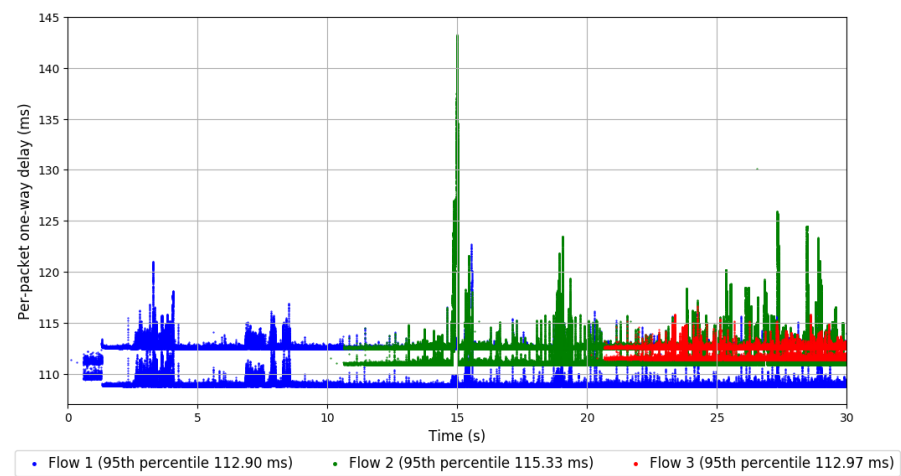
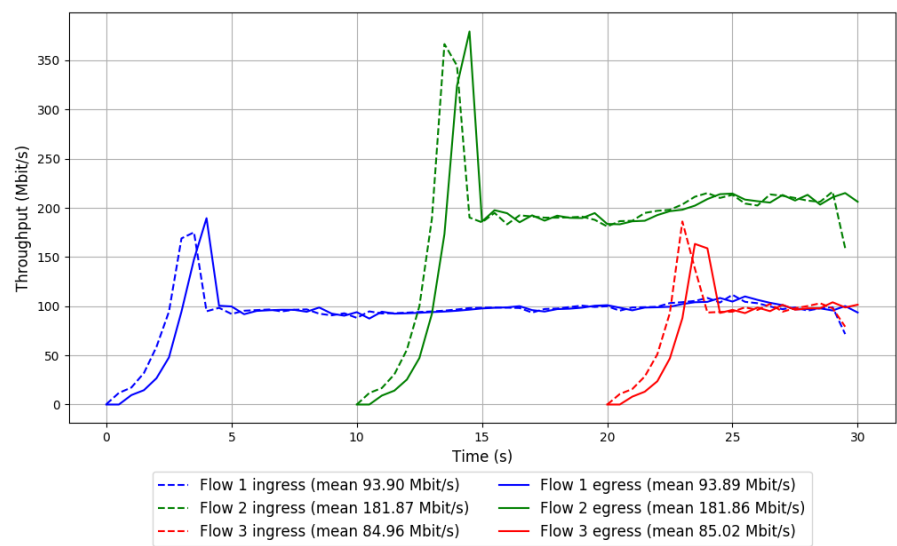
-- Flow 3:

Average throughput: 85.02 Mbit/s

95th percentile per-packet one-way delay: 112.967 ms

Loss rate: 0.01%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-10 06:06:02

End at: 2018-08-10 06:06:32

Local clock offset: -0.022 ms

Remote clock offset: 0.767 ms

Below is generated by plot.py at 2018-08-10 08:47:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.15 Mbit/s

95th percentile per-packet one-way delay: 123.657 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 108.76 Mbit/s

95th percentile per-packet one-way delay: 132.299 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 115.852 ms

Loss rate: 0.00%

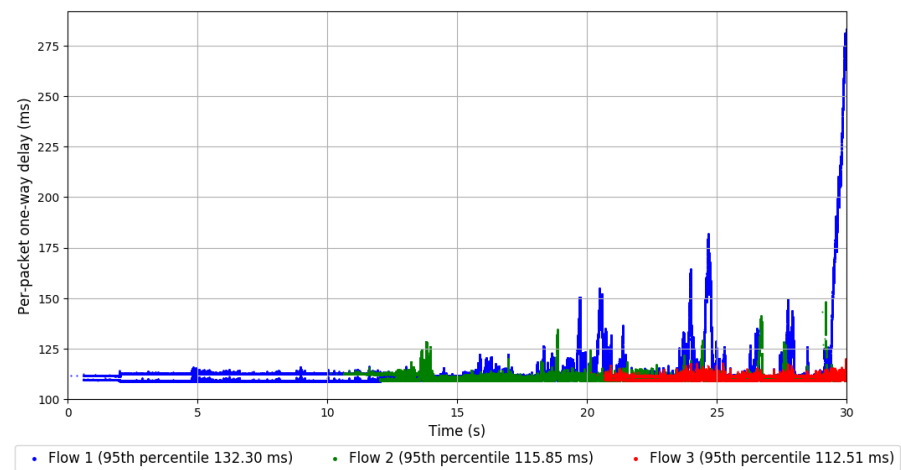
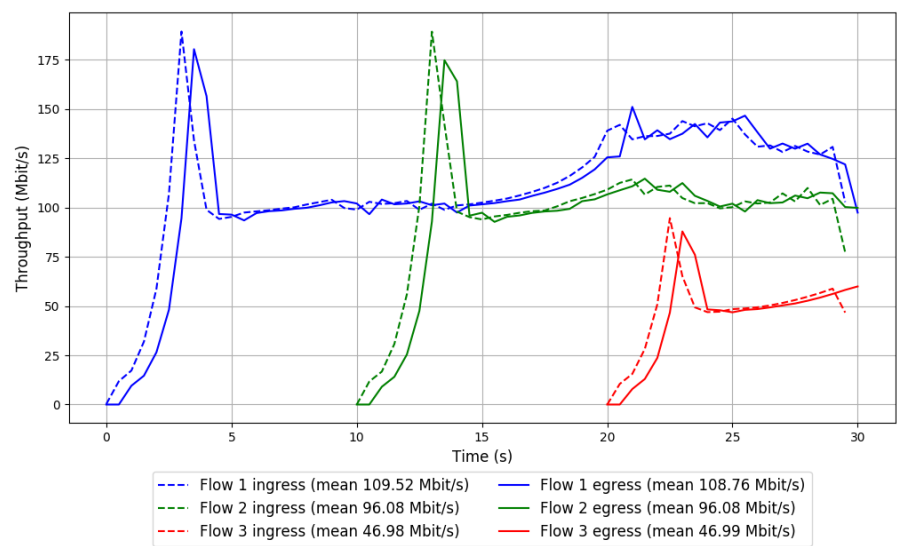
-- Flow 3:

Average throughput: 46.99 Mbit/s

95th percentile per-packet one-way delay: 112.512 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-10 06:33:52

End at: 2018-08-10 06:34:22

Local clock offset: 0.73 ms

Remote clock offset: 0.968 ms

Below is generated by plot.py at 2018-08-10 08:58:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 484.34 Mbit/s

95th percentile per-packet one-way delay: 224.888 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 305.93 Mbit/s

95th percentile per-packet one-way delay: 228.507 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 188.34 Mbit/s

95th percentile per-packet one-way delay: 180.698 ms

Loss rate: 0.60%

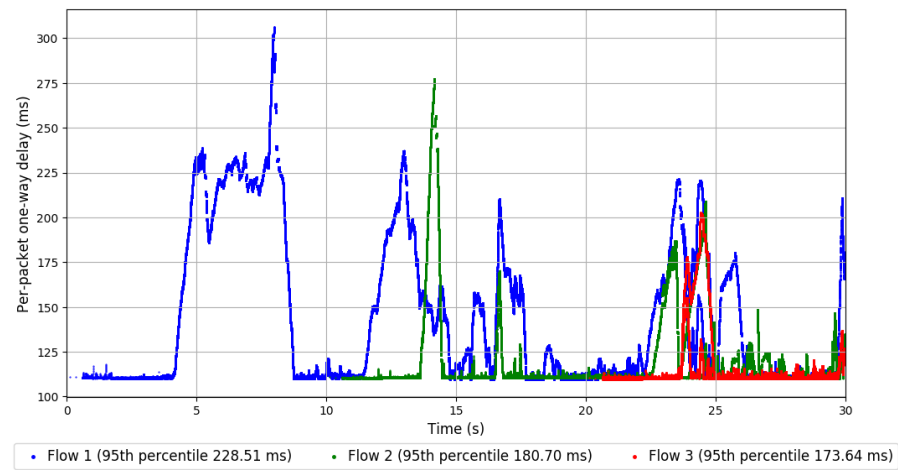
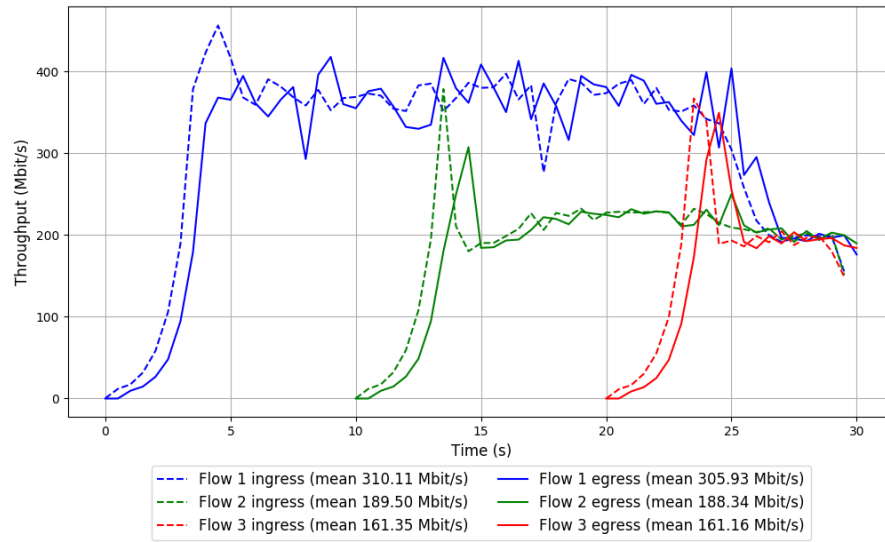
-- Flow 3:

Average throughput: 161.16 Mbit/s

95th percentile per-packet one-way delay: 173.638 ms

Loss rate: 0.12%

Run 10: Report of PCC-Expr — Data Link

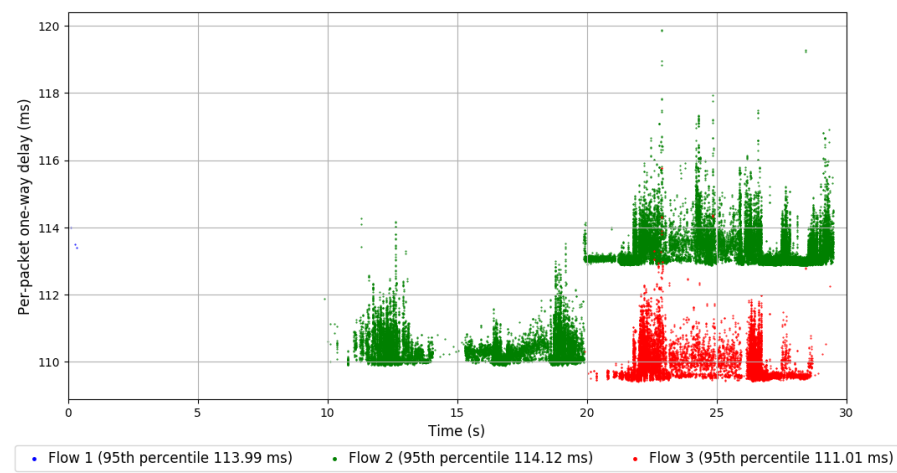
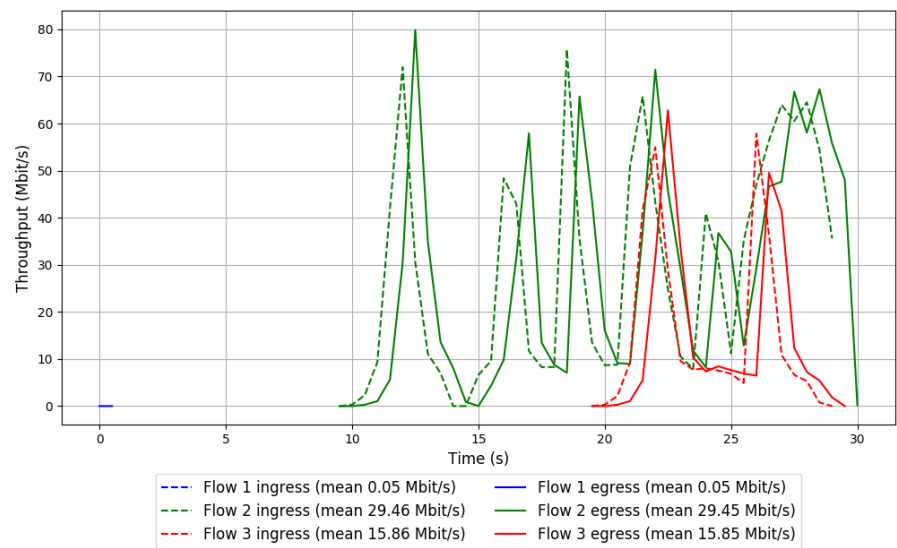


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-10 02:45:23
End at: 2018-08-10 02:45:53
Local clock offset: -0.331 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 113.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 113.989 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 114.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 111.010 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

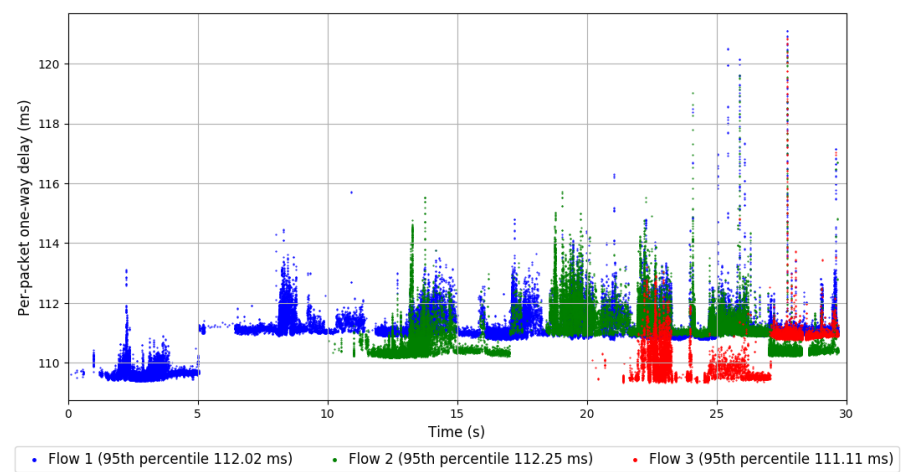
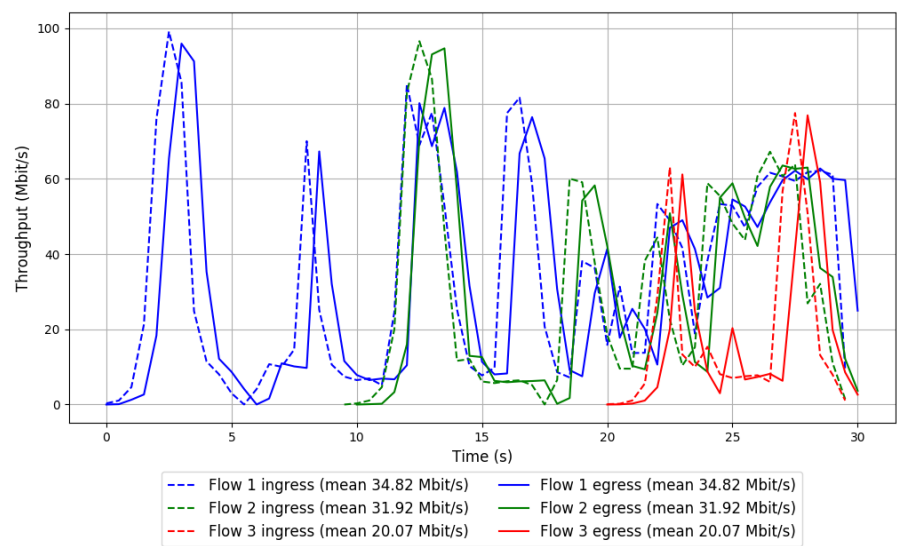


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-10 03:11:18
End at: 2018-08-10 03:11:48
Local clock offset: -0.318 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 112.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 112.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 112.249 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 111.109 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

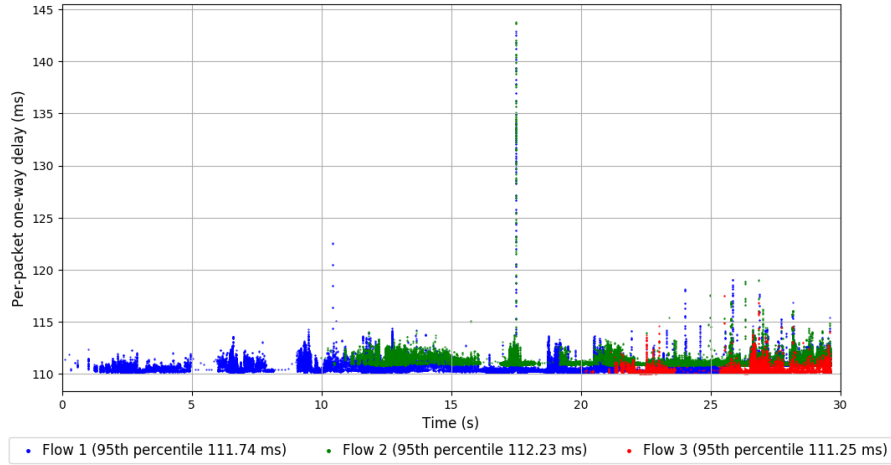
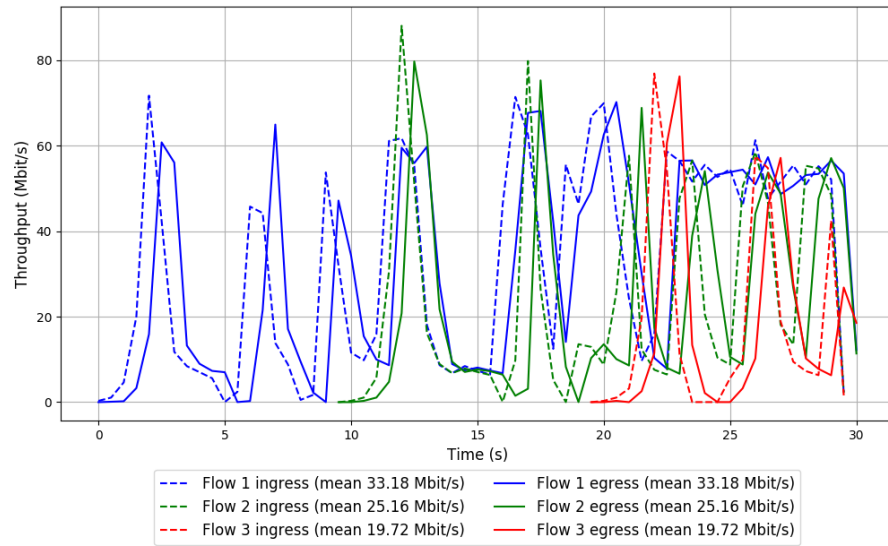


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-10 03:37:19
End at: 2018-08-10 03:37:49
Local clock offset: -0.074 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 111.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 111.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 112.228 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 111.250 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

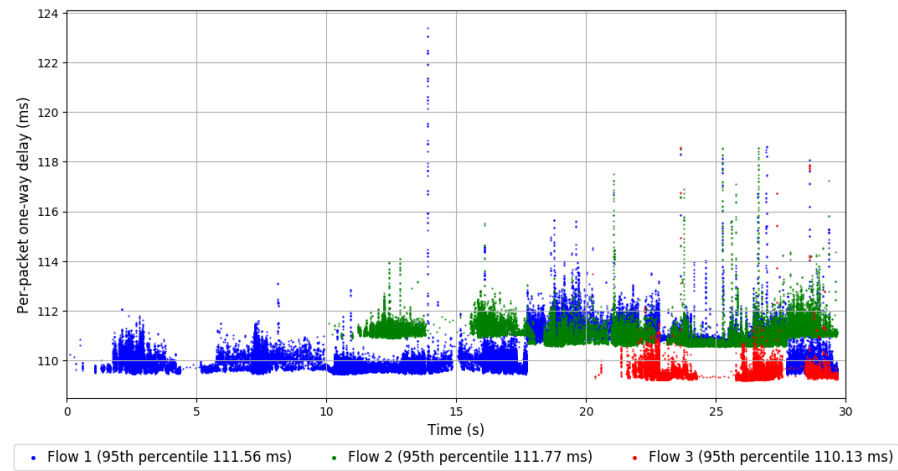
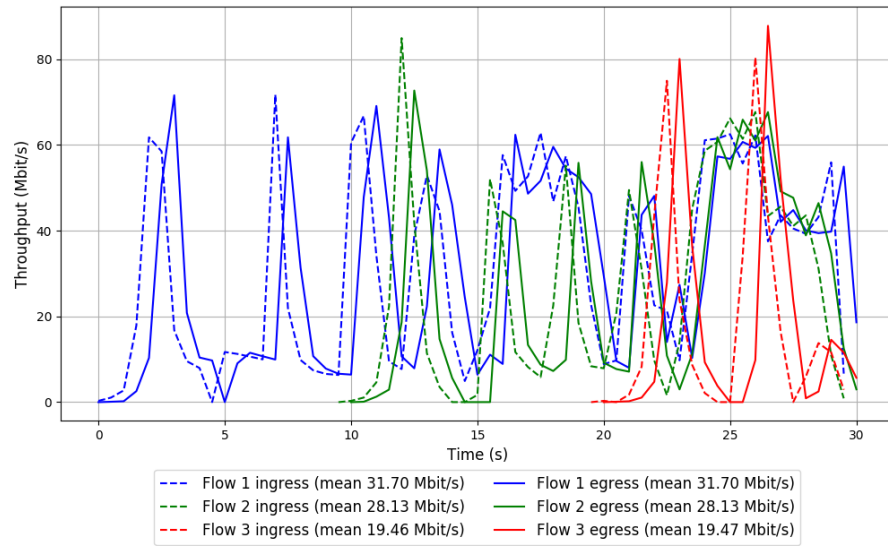


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-10 04:03:26
End at: 2018-08-10 04:03:56
Local clock offset: -0.108 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 111.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 111.563 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 111.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.47 Mbit/s
95th percentile per-packet one-way delay: 110.126 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

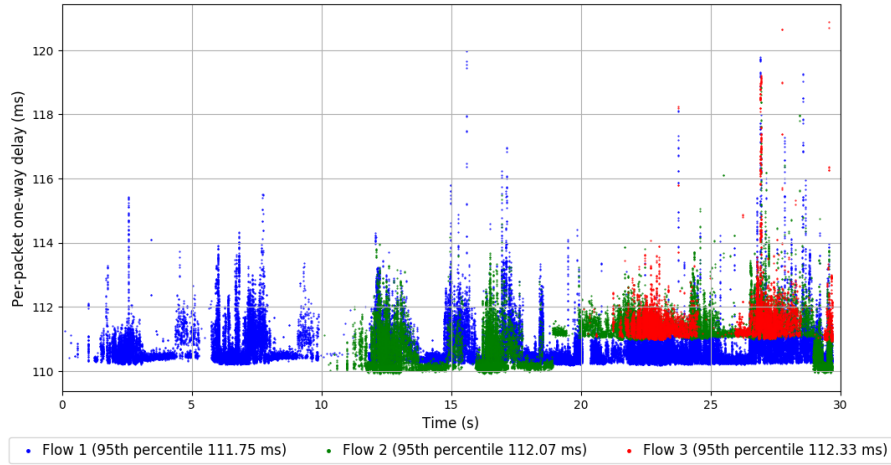
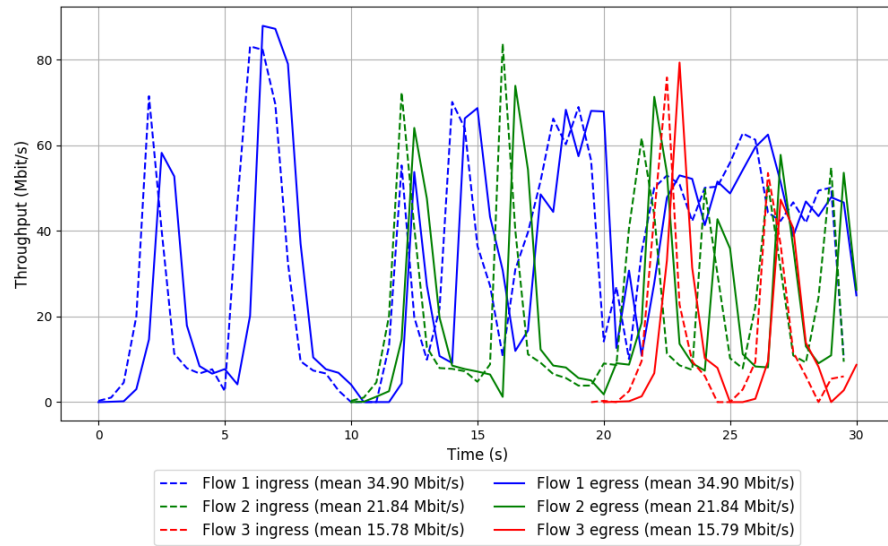


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-10 04:29:24
End at: 2018-08-10 04:29:54
Local clock offset: -0.118 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.46 Mbit/s
95th percentile per-packet one-way delay: 111.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 111.746 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 112.068 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 112.333 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-10 04:55:39

End at: 2018-08-10 04:56:09

Local clock offset: 0.086 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-08-10 08:58:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 111.593 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.10 Mbit/s

95th percentile per-packet one-way delay: 109.982 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.72 Mbit/s

95th percentile per-packet one-way delay: 111.974 ms

Loss rate: 0.00%

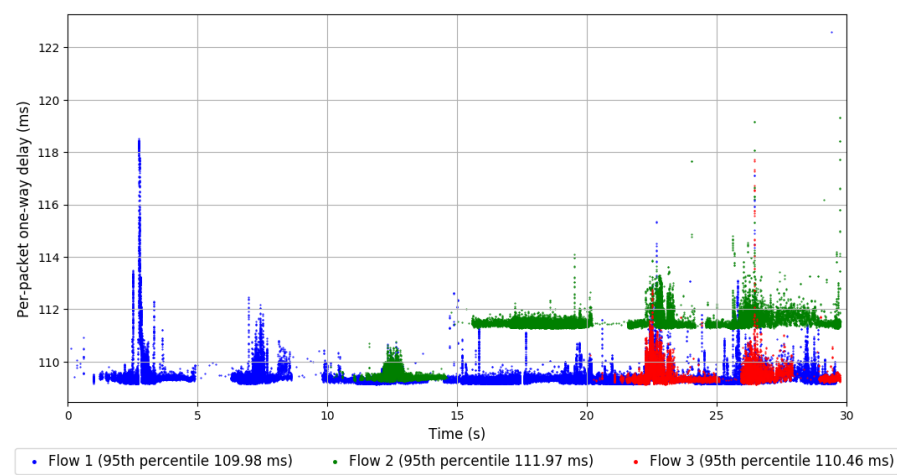
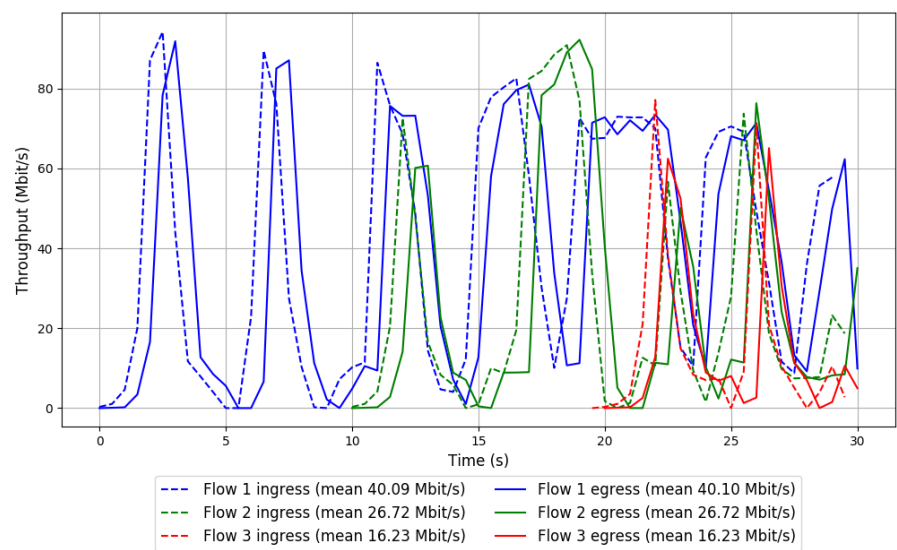
-- Flow 3:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 110.458 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-10 05:22:17

End at: 2018-08-10 05:22:47

Local clock offset: -0.253 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2018-08-10 08:58:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.68 Mbit/s

95th percentile per-packet one-way delay: 111.534 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 111.594 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.48 Mbit/s

95th percentile per-packet one-way delay: 109.882 ms

Loss rate: 0.00%

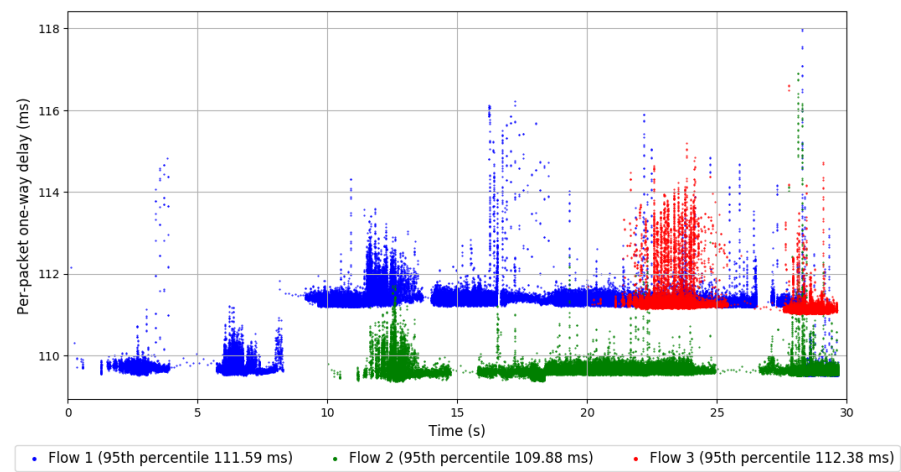
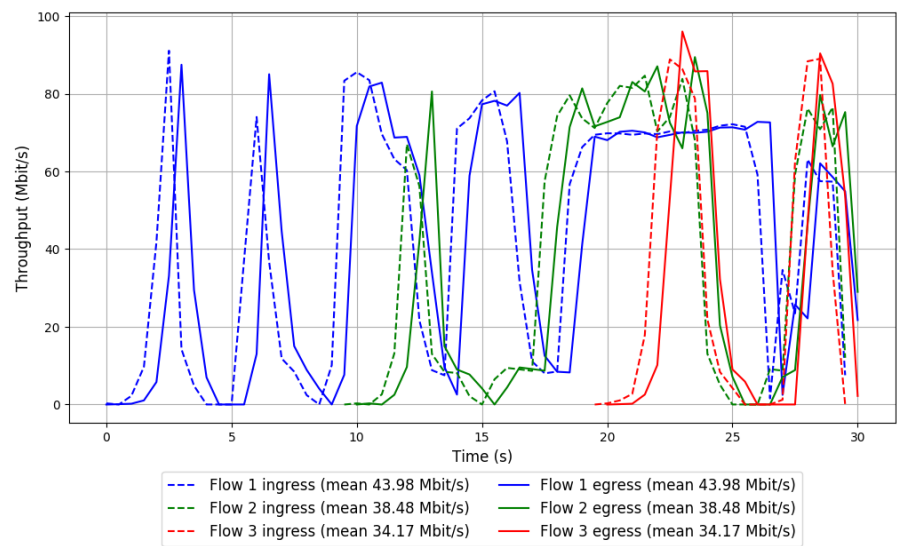
-- Flow 3:

Average throughput: 34.17 Mbit/s

95th percentile per-packet one-way delay: 112.381 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-10 05:48:49

End at: 2018-08-10 05:49:19

Local clock offset: -1.298 ms

Remote clock offset: 0.615 ms

Below is generated by plot.py at 2018-08-10 08:58:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.07 Mbit/s

95th percentile per-packet one-way delay: 112.958 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 112.973 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.75 Mbit/s

95th percentile per-packet one-way delay: 112.307 ms

Loss rate: 0.00%

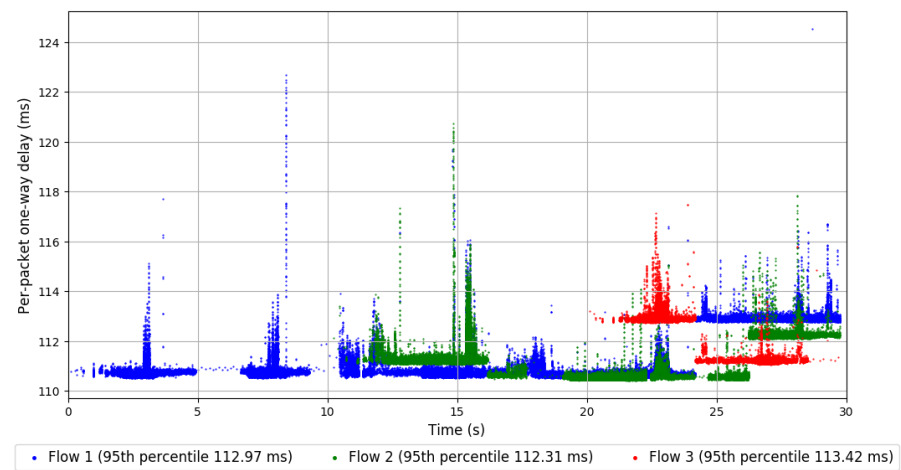
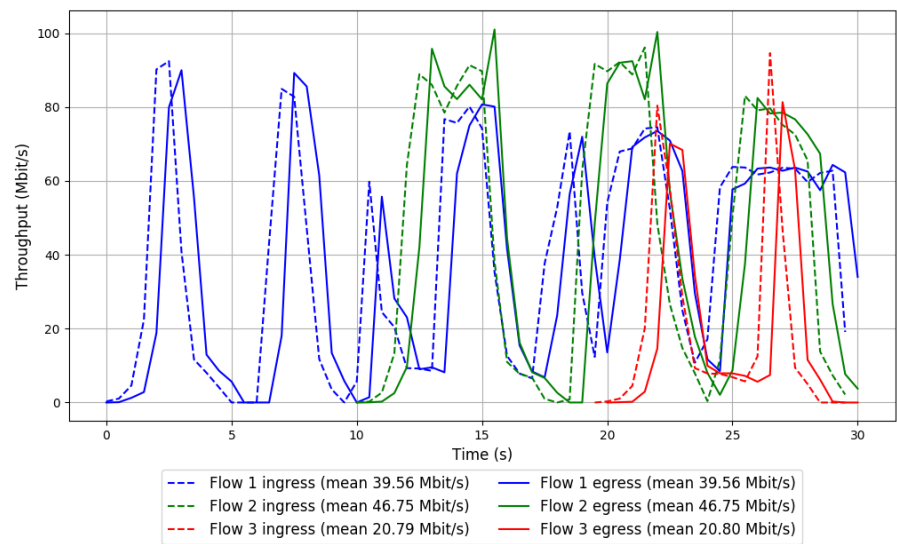
-- Flow 3:

Average throughput: 20.80 Mbit/s

95th percentile per-packet one-way delay: 113.418 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-10 06:14:55

End at: 2018-08-10 06:15:25

Local clock offset: 0.563 ms

Remote clock offset: 0.762 ms

Below is generated by plot.py at 2018-08-10 08:58:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.59 Mbit/s

95th percentile per-packet one-way delay: 110.767 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 110.775 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.22 Mbit/s

95th percentile per-packet one-way delay: 110.761 ms

Loss rate: 0.00%

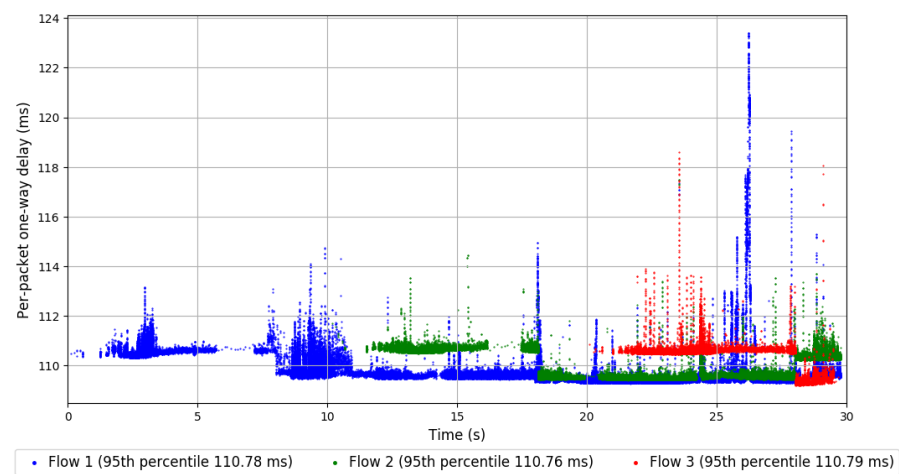
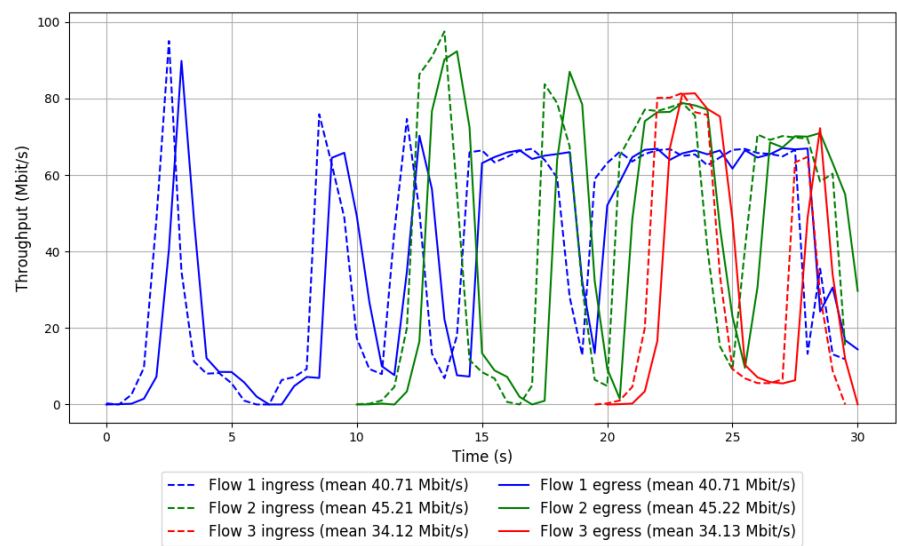
-- Flow 3:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 110.791 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-10 06:43:26

End at: 2018-08-10 06:43:56

Local clock offset: -0.079 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-08-10 08:58:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.52 Mbit/s

95th percentile per-packet one-way delay: 111.578 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.23 Mbit/s

95th percentile per-packet one-way delay: 111.768 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.15 Mbit/s

95th percentile per-packet one-way delay: 110.587 ms

Loss rate: 0.00%

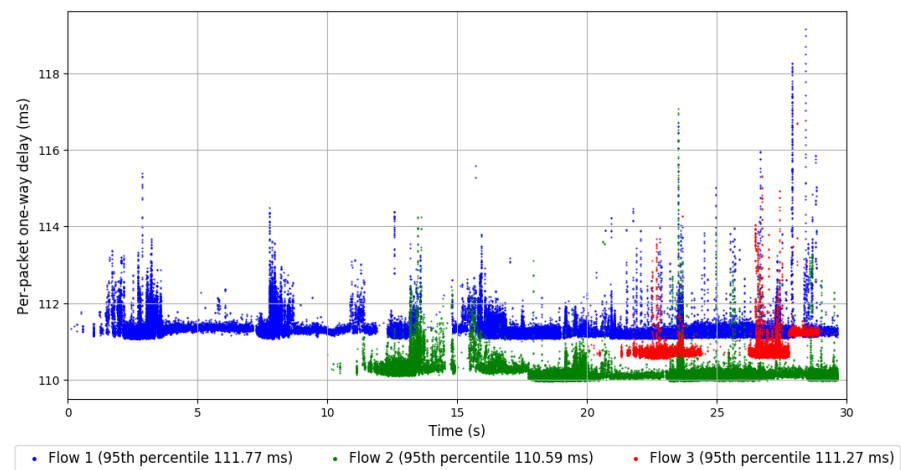
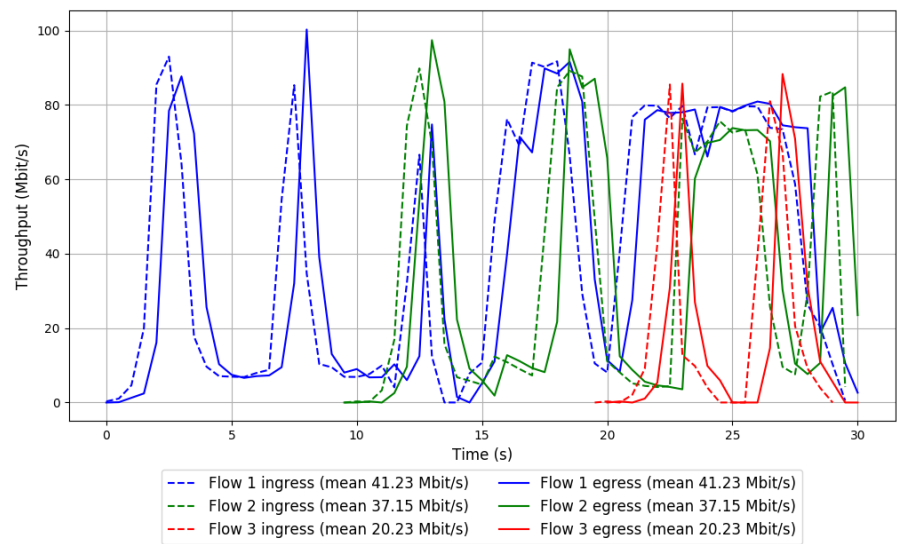
-- Flow 3:

Average throughput: 20.23 Mbit/s

95th percentile per-packet one-way delay: 111.270 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

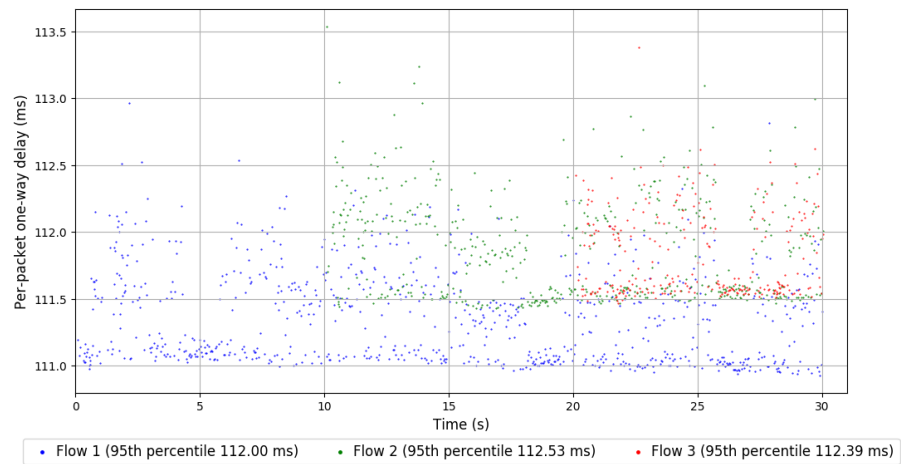
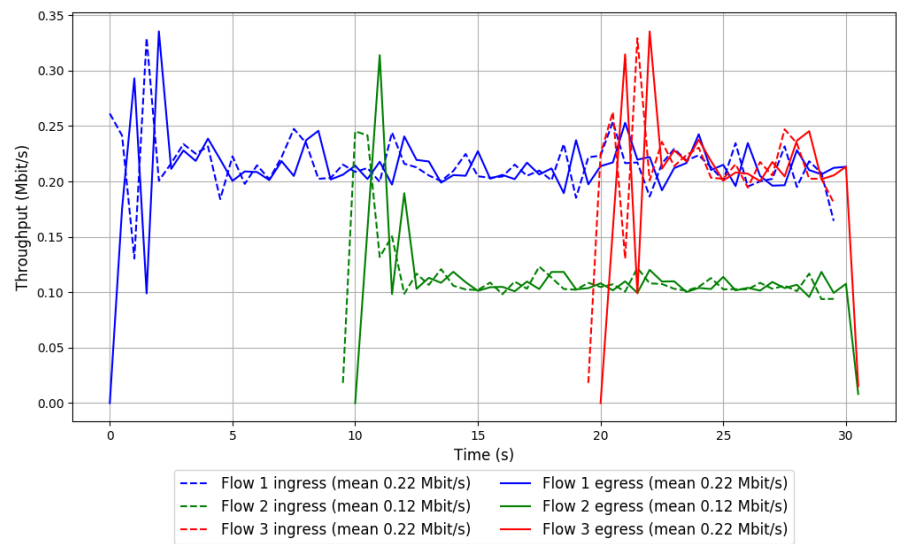


```
Run 1: Statistics of SCReAM

Start at: 2018-08-10 02:20:17
End at: 2018-08-10 02:20:47
Local clock offset: -0.023 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-08-10 08:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 112.368 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.997 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 112.527 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.386 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

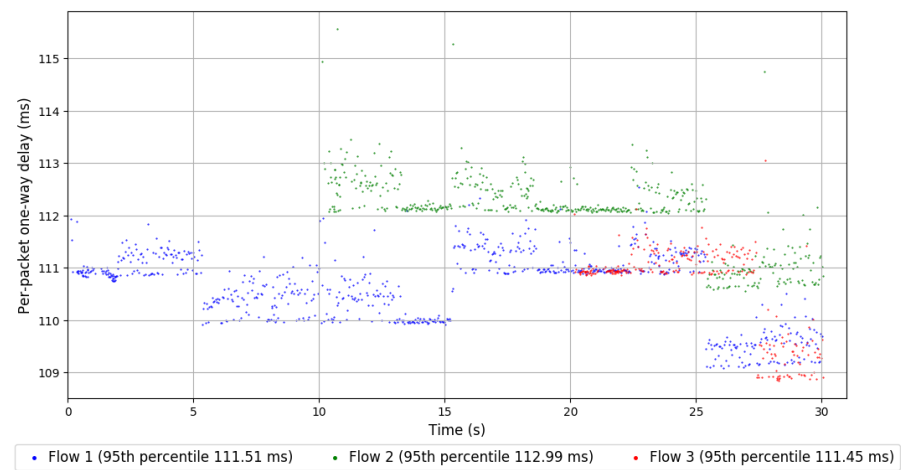
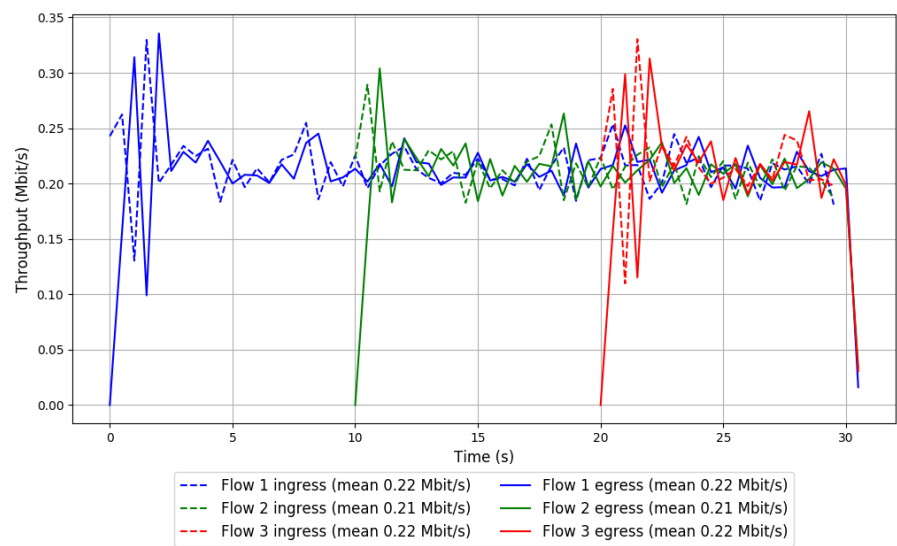


Run 2: Statistics of SCReAM

Start at: 2018-08-10 02:46:38
End at: 2018-08-10 02:47:08
Local clock offset: -0.256 ms
Remote clock offset: -0.612 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.993 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.453 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

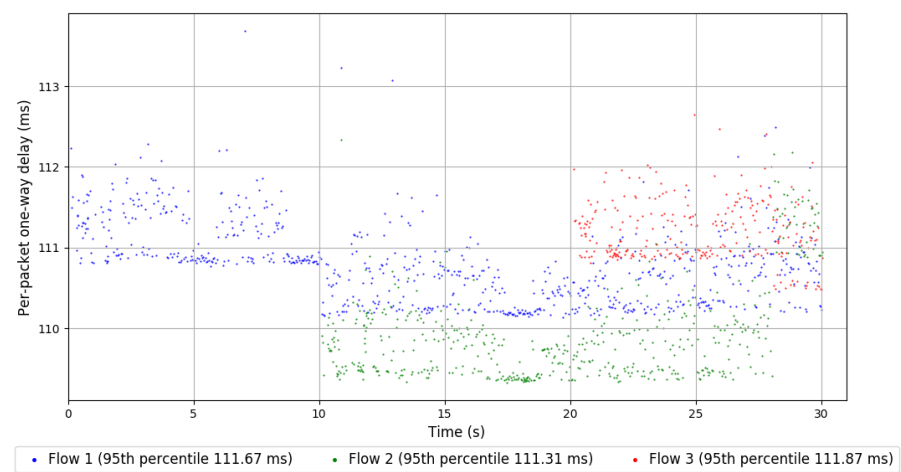
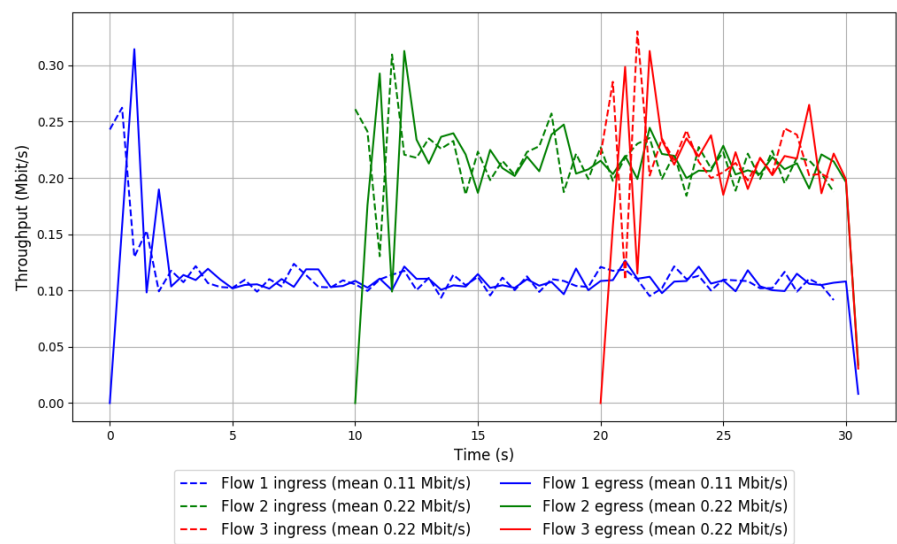


Run 3: Statistics of SReAM

Start at: 2018-08-10 03:12:36
End at: 2018-08-10 03:13:06
Local clock offset: -0.233 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 111.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 111.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.870 ms
Loss rate: 0.00%

Run 3: Report of SCSReAM — Data Link

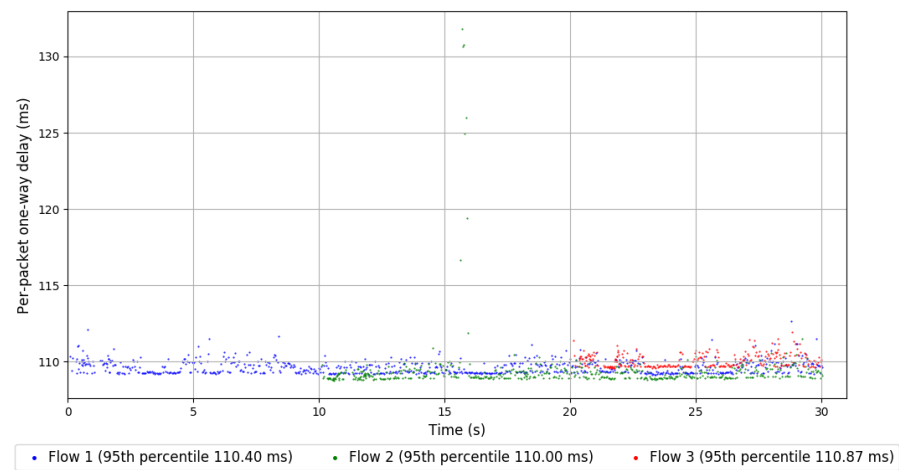
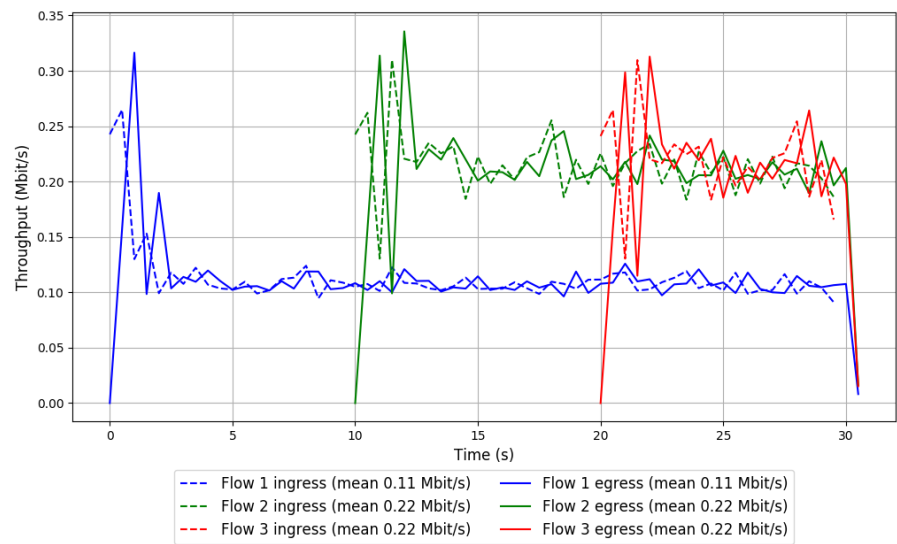


Run 4: Statistics of SReAM

Start at: 2018-08-10 03:38:36
End at: 2018-08-10 03:39:06
Local clock offset: 1.32 ms
Remote clock offset: -0.704 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 110.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 110.398 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.001 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.869 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

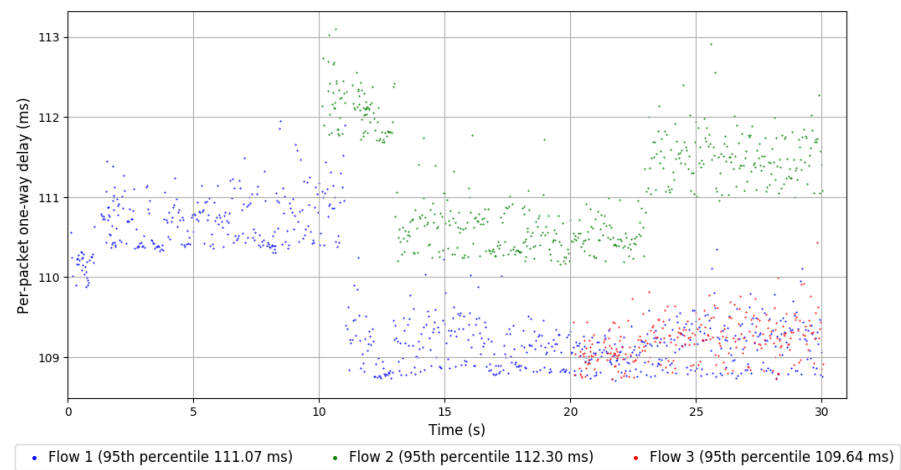
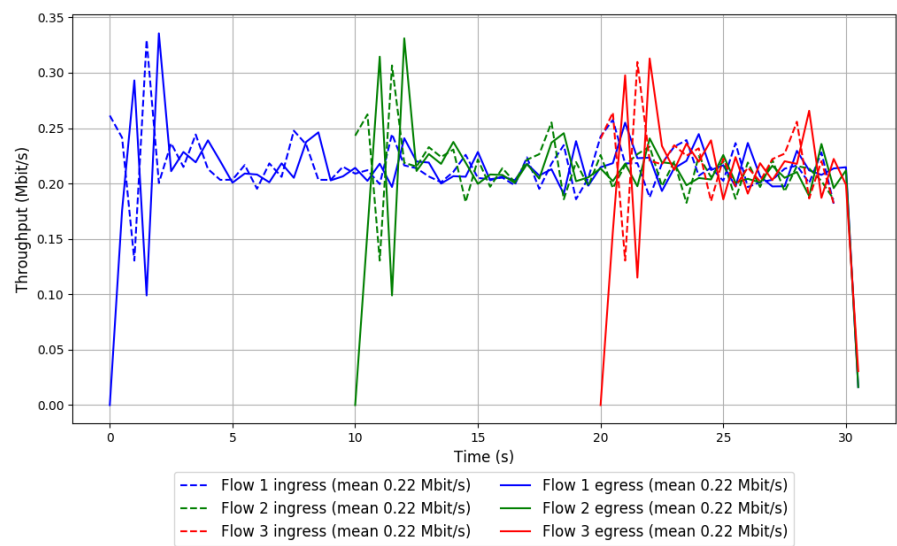


Run 5: Statistics of SReAM

Start at: 2018-08-10 04:04:43
End at: 2018-08-10 04:05:13
Local clock offset: 0.535 ms
Remote clock offset: -0.461 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.070 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.300 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.635 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

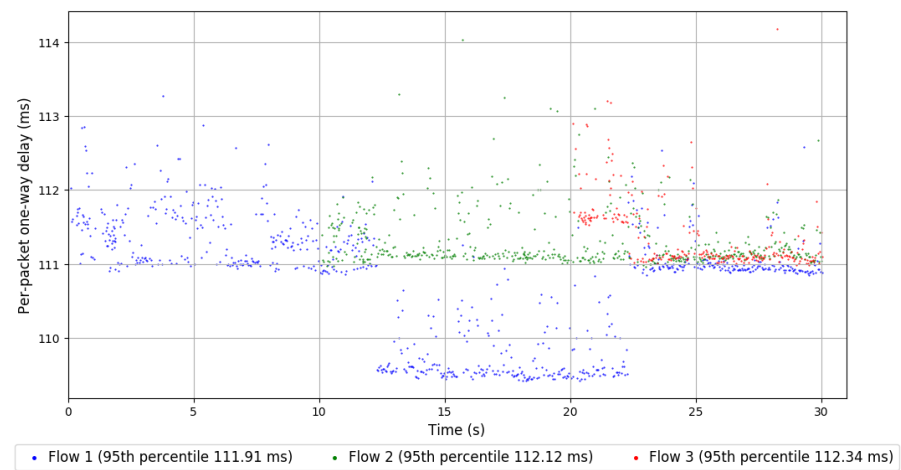
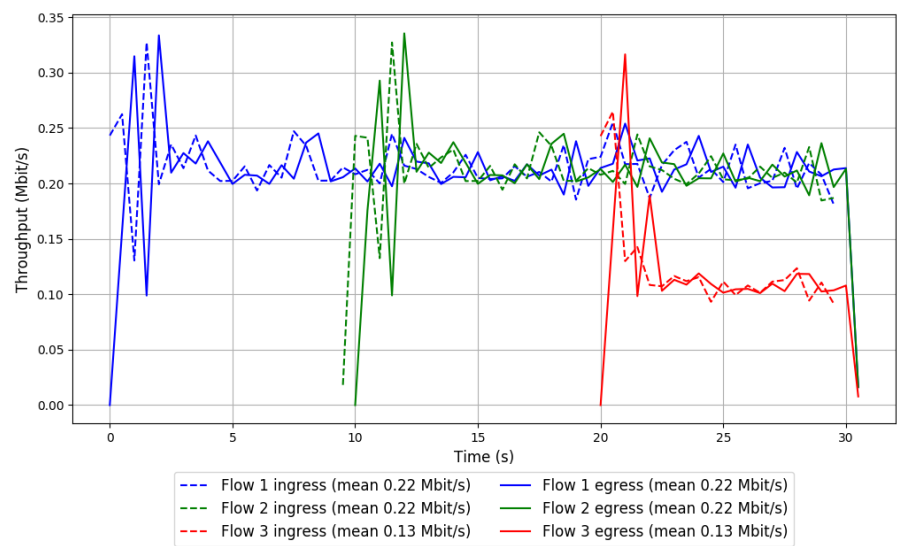


Run 6: Statistics of SReAM

Start at: 2018-08-10 04:30:41
End at: 2018-08-10 04:31:11
Local clock offset: 0.147 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-10 08:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 112.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 112.336 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

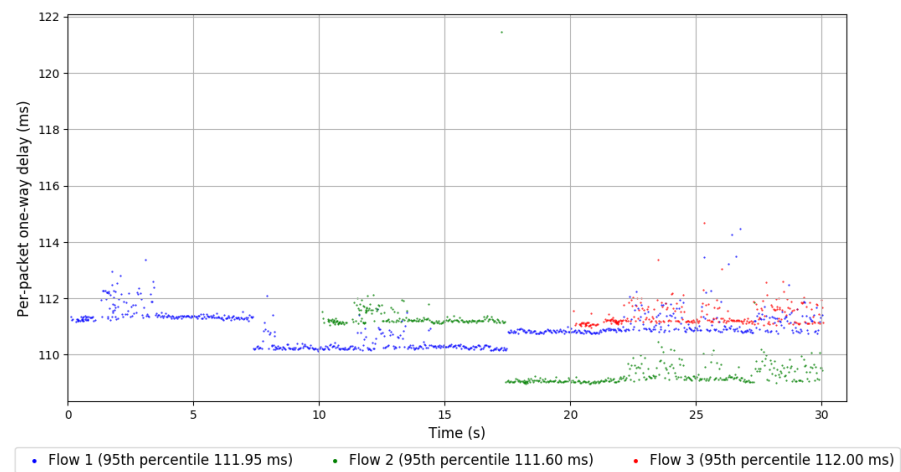
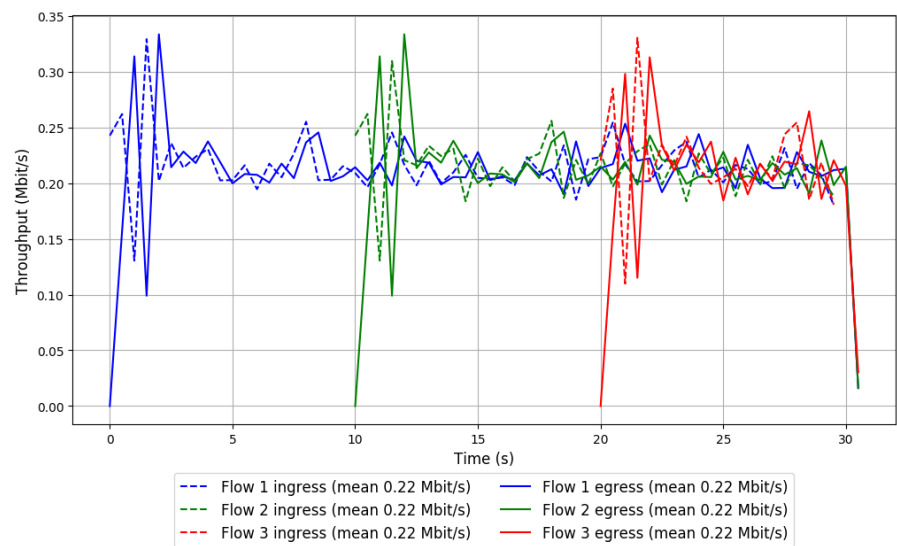


```
Run 7: Statistics of SReAM

Start at: 2018-08-10 04:56:56
End at: 2018-08-10 04:57:26
Local clock offset: 0.812 ms
Remote clock offset: 0.449 ms

# Below is generated by plot.py at 2018-08-10 08:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.946 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.005 ms
Loss rate: 0.00%
```

Run 7: Report of SCRaM — Data Link

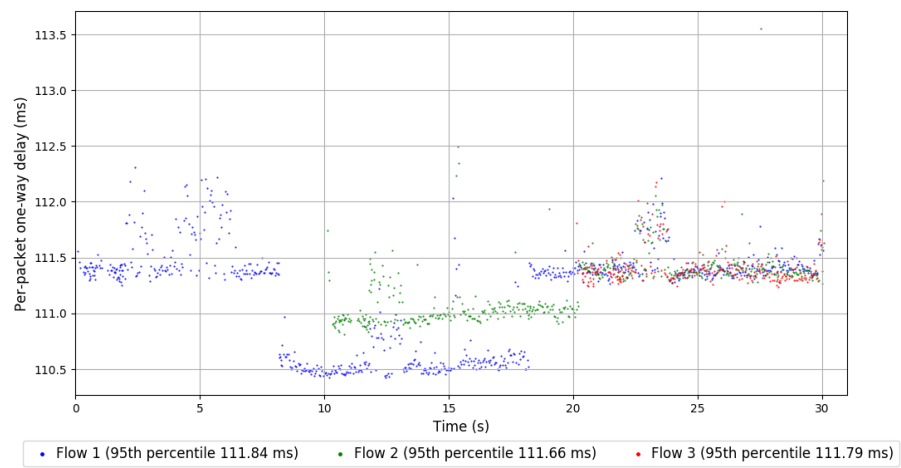
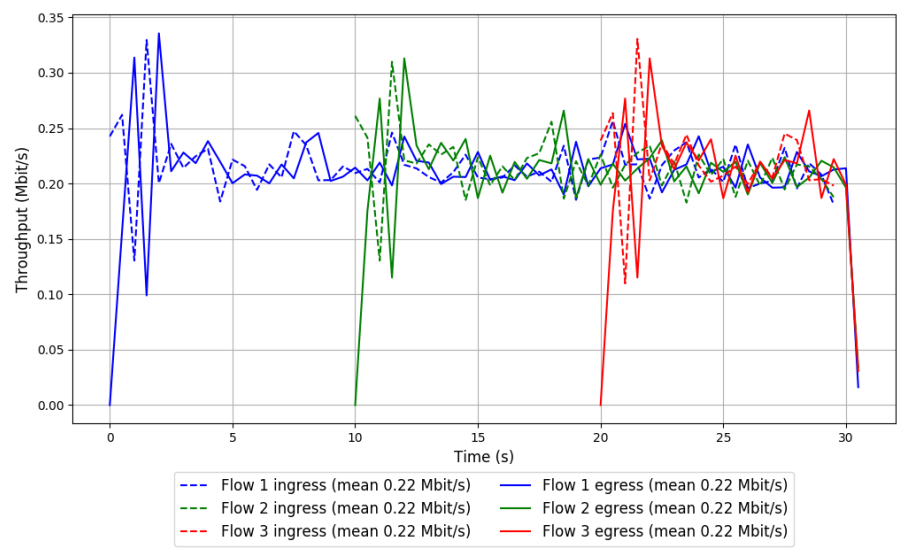


Run 8: Statistics of SReAM

Start at: 2018-08-10 05:23:36
End at: 2018-08-10 05:24:06
Local clock offset: -0.678 ms
Remote clock offset: 0.073 ms

```
# Below is generated by plot.py at 2018-08-10 08:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.837 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.658 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.786 ms
Loss rate: 0.00%
```

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-10 05:50:07

End at: 2018-08-10 05:50:37

Local clock offset: -0.685 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2018-08-10 08:58:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.786 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.647 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.109 ms

Loss rate: 0.00%

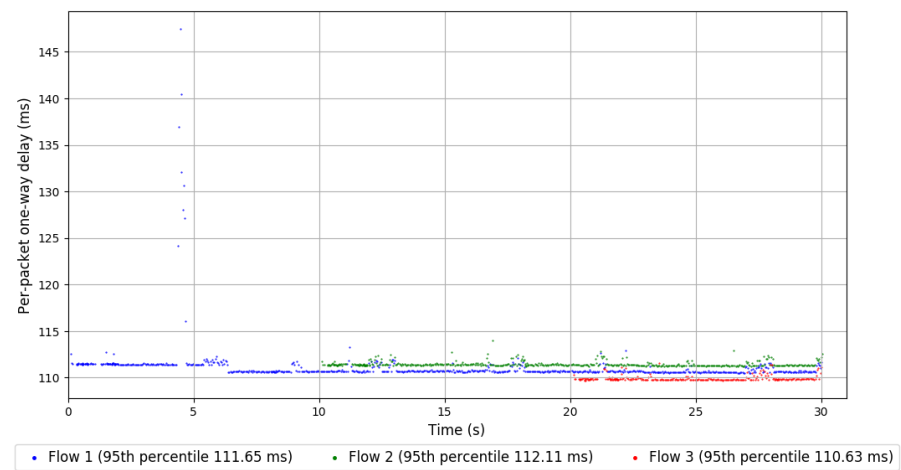
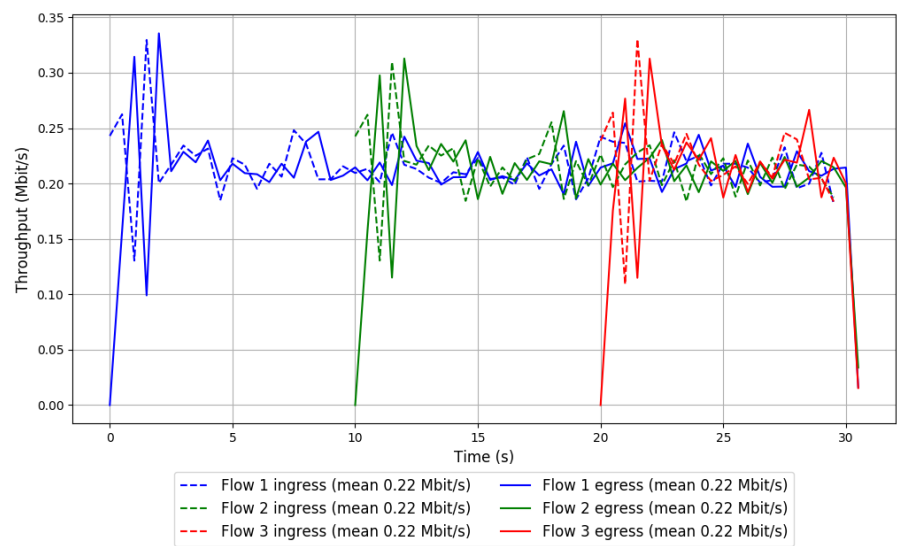
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.629 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-10 06:16:14

End at: 2018-08-10 06:16:44

Local clock offset: -0.112 ms

Remote clock offset: 0.833 ms

Below is generated by plot.py at 2018-08-10 08:58:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.368 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.364 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.402 ms

Loss rate: 0.00%

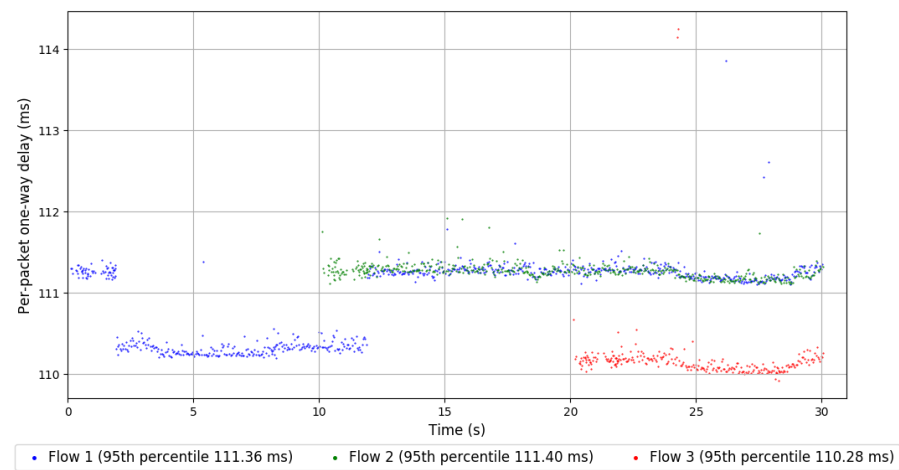
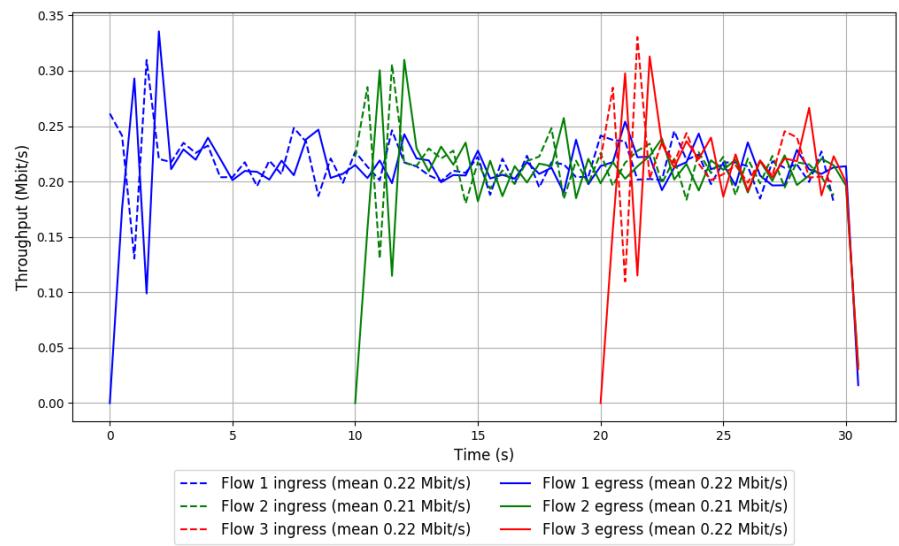
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.285 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

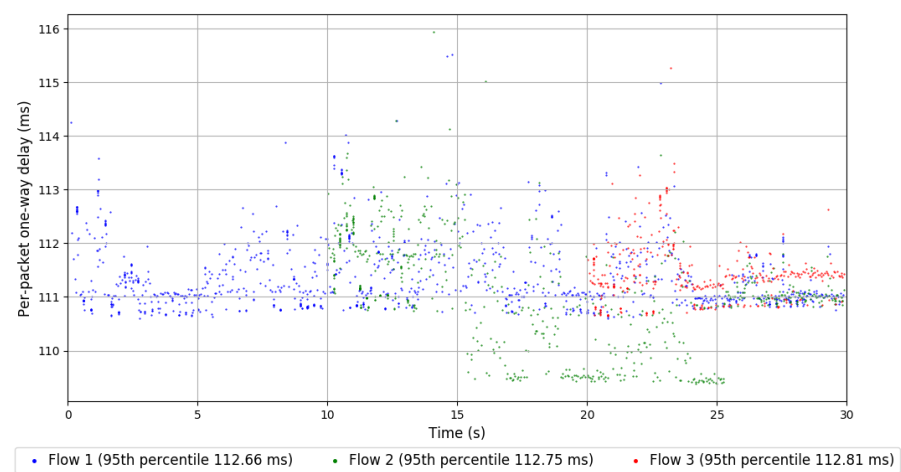
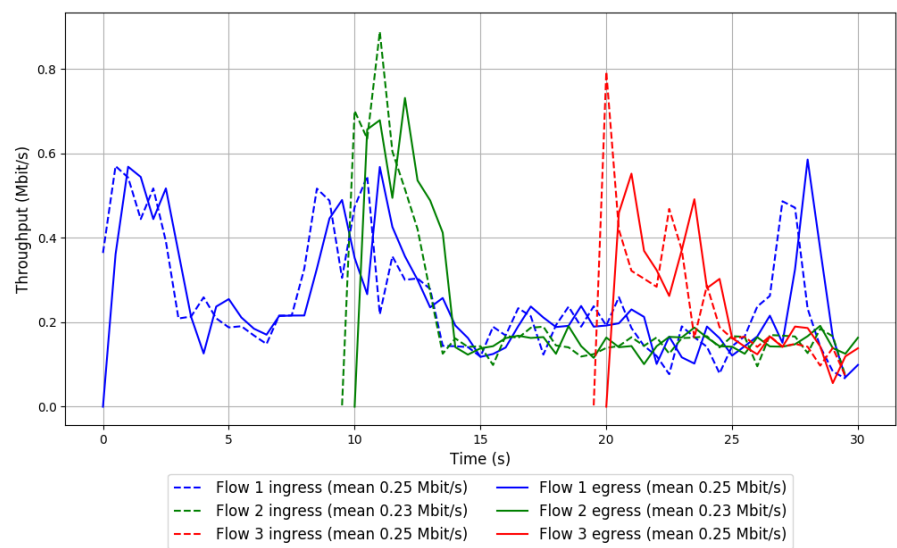


Run 1: Statistics of Sprout

Start at: 2018-08-10 02:44:10
End at: 2018-08-10 02:44:40
Local clock offset: -0.218 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-10 08:58:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 112.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 112.658 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 112.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 112.814 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

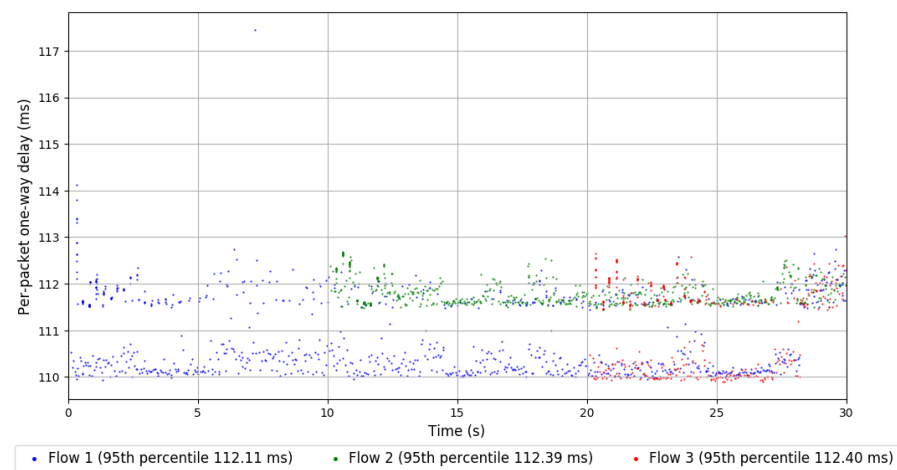
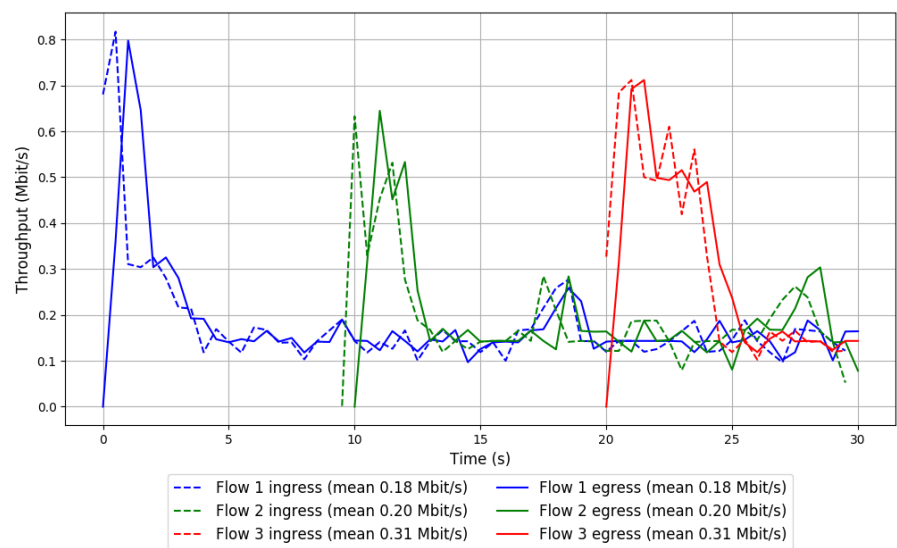


Run 2: Statistics of Sprout

Start at: 2018-08-10 03:10:05
End at: 2018-08-10 03:10:35
Local clock offset: -0.327 ms
Remote clock offset: 0.291 ms

```
# Below is generated by plot.py at 2018-08-10 08:58:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 112.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.109 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 112.396 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

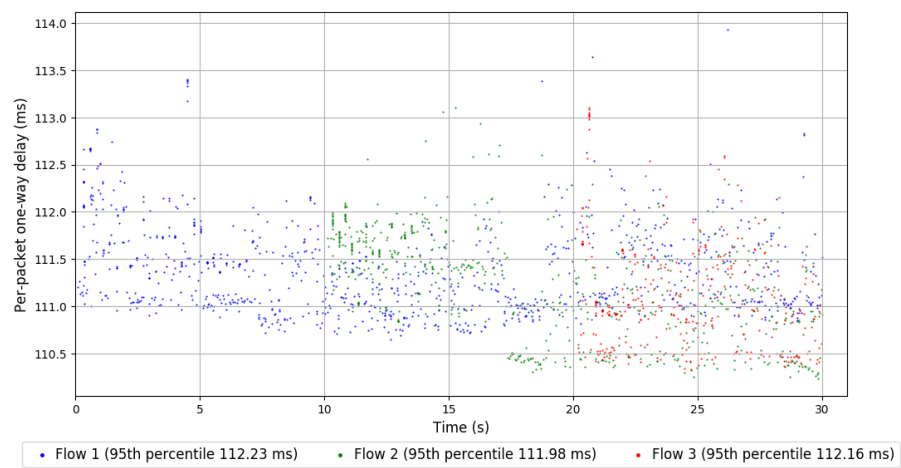
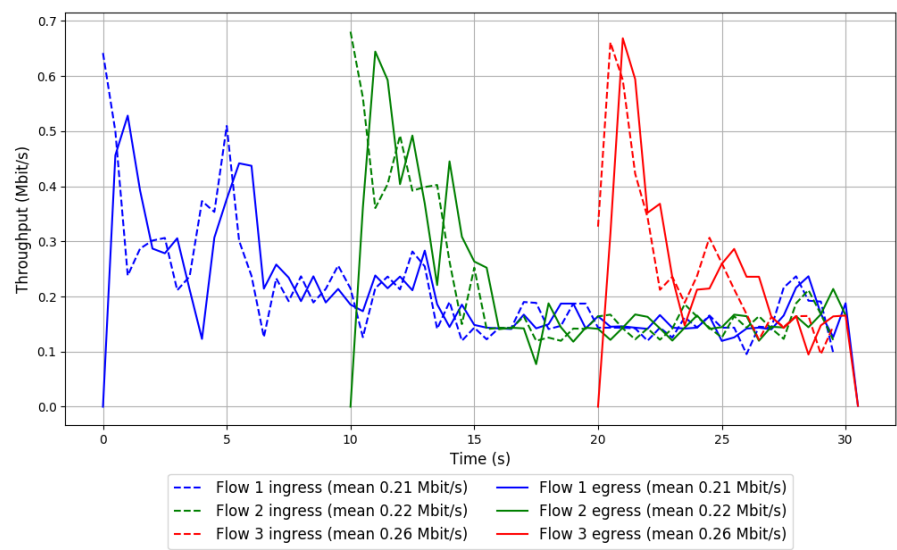


Run 3: Statistics of Sprout

Start at: 2018-08-10 03:36:06
End at: 2018-08-10 03:36:36
Local clock offset: -0.008 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-08-10 08:58:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 112.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.978 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 112.164 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

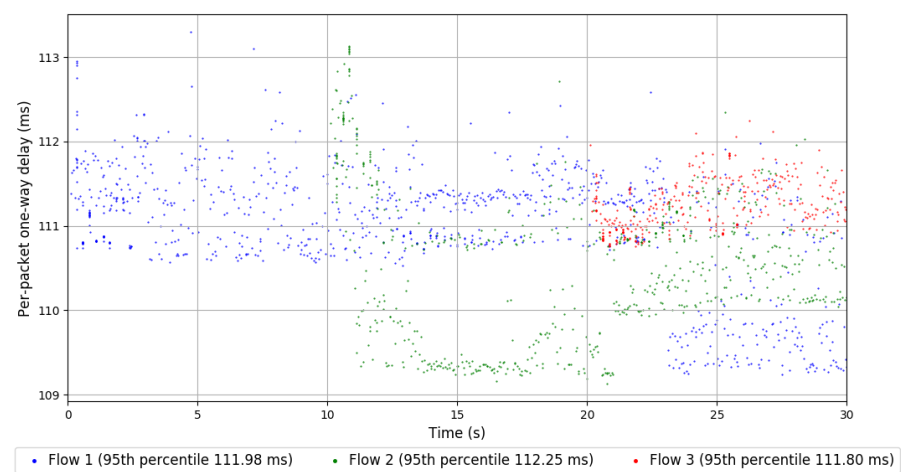
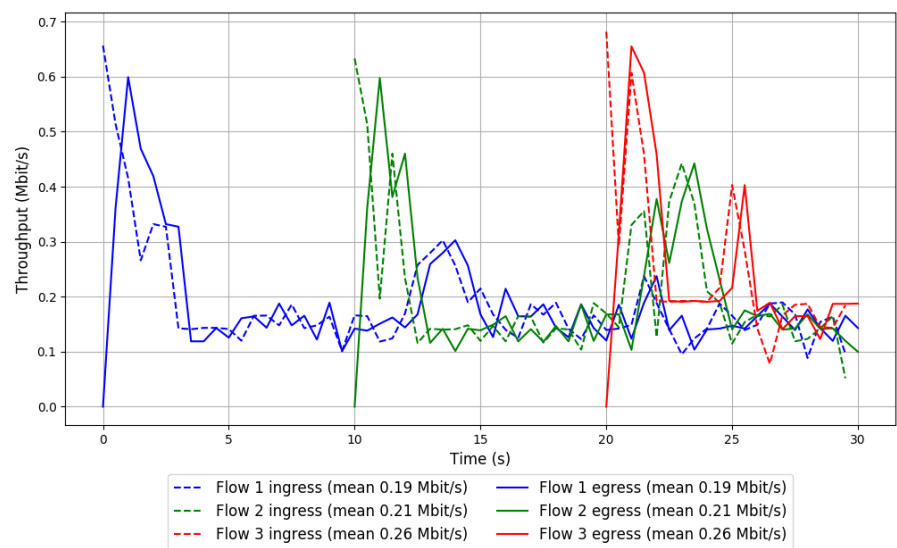


Run 4: Statistics of Sprout

Start at: 2018-08-10 04:02:13
End at: 2018-08-10 04:02:43
Local clock offset: -0.134 ms
Remote clock offset: -0.607 ms

```
# Below is generated by plot.py at 2018-08-10 08:58:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.802 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

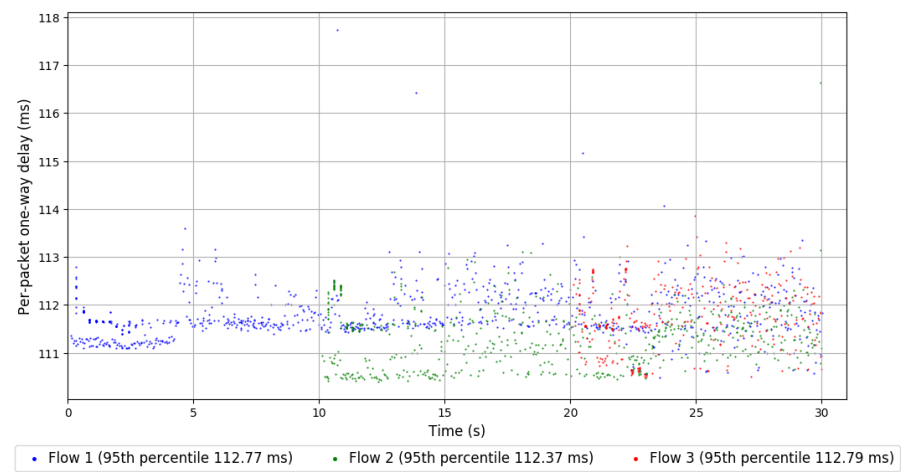
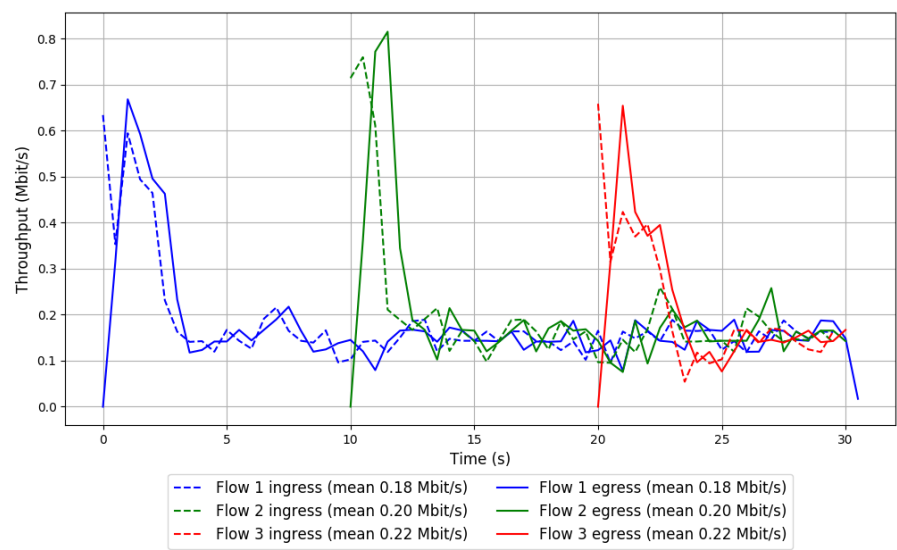


Run 5: Statistics of Sprout

Start at: 2018-08-10 04:28:12
End at: 2018-08-10 04:28:42
Local clock offset: -0.682 ms
Remote clock offset: -0.305 ms

```
# Below is generated by plot.py at 2018-08-10 08:58:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 112.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 112.771 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.373 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.788 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

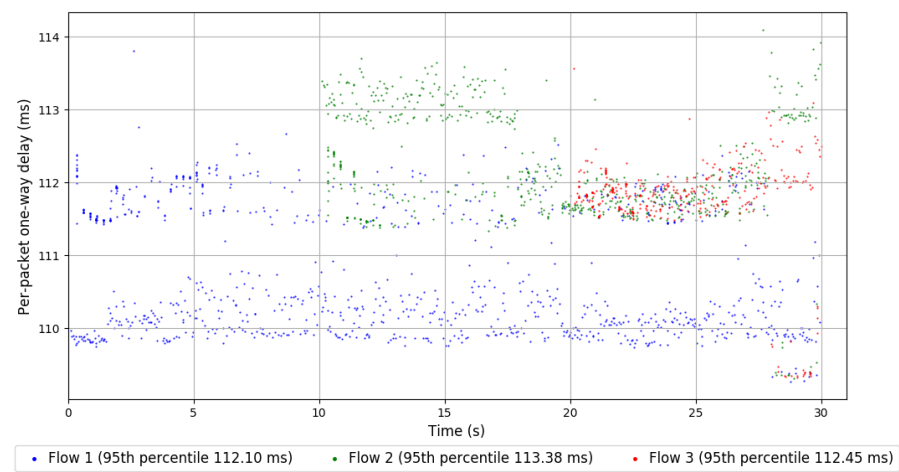
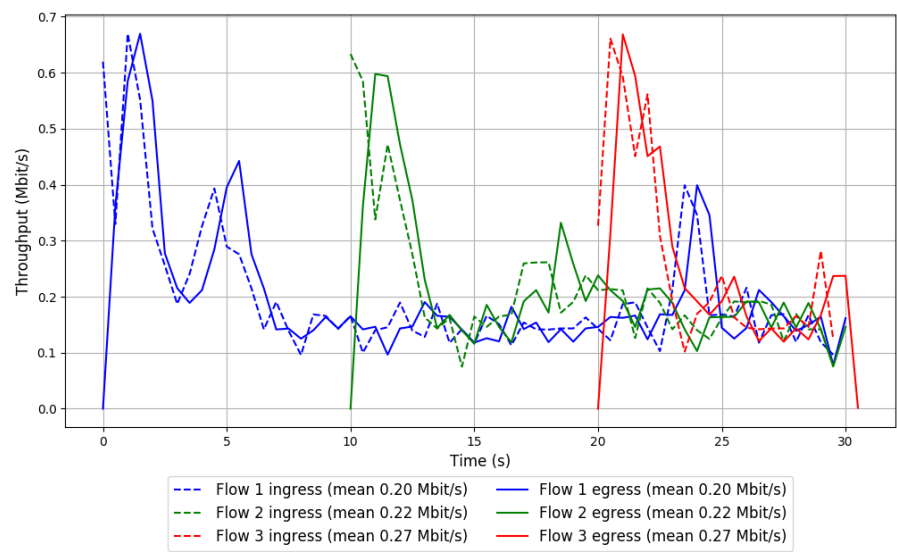


Run 6: Statistics of Sprout

Start at: 2018-08-10 04:54:26
End at: 2018-08-10 04:54:56
Local clock offset: -0.412 ms
Remote clock offset: 0.017 ms

```
# Below is generated by plot.py at 2018-08-10 08:58:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.381 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 112.454 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

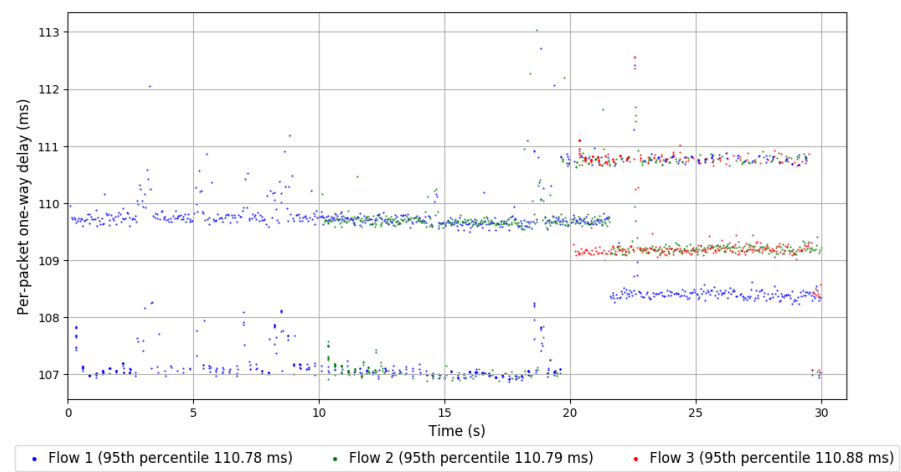
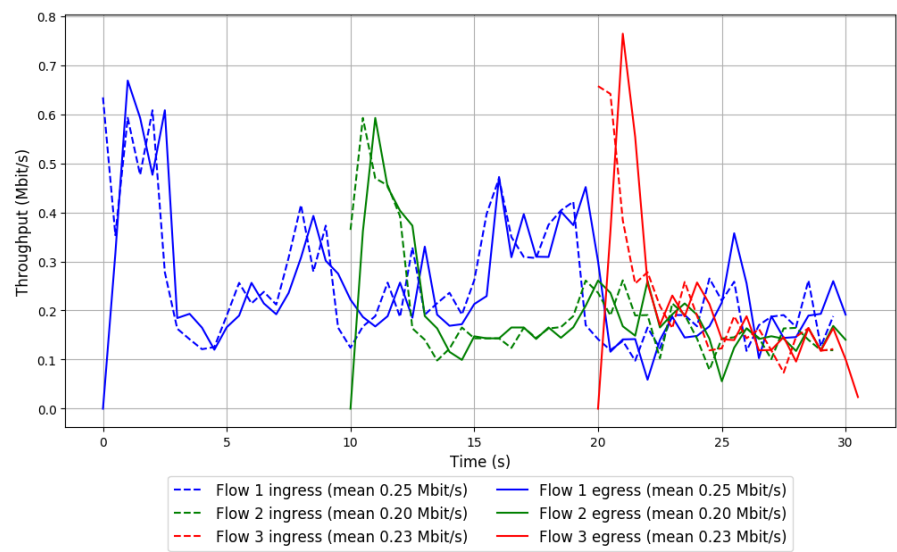


Run 7: Statistics of Sprout

Start at: 2018-08-10 05:21:04
End at: 2018-08-10 05:21:34
Local clock offset: 1.464 ms
Remote clock offset: 0.019 ms

```
# Below is generated by plot.py at 2018-08-10 08:58:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 110.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 110.784 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 110.791 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 110.883 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

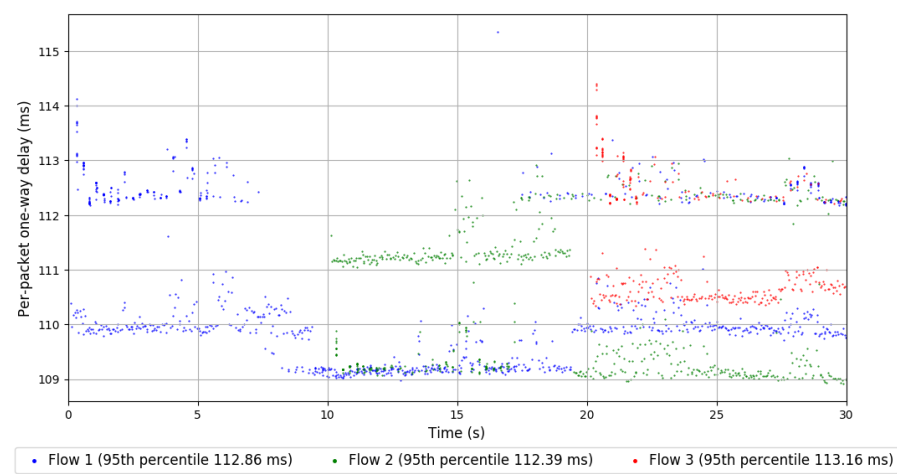
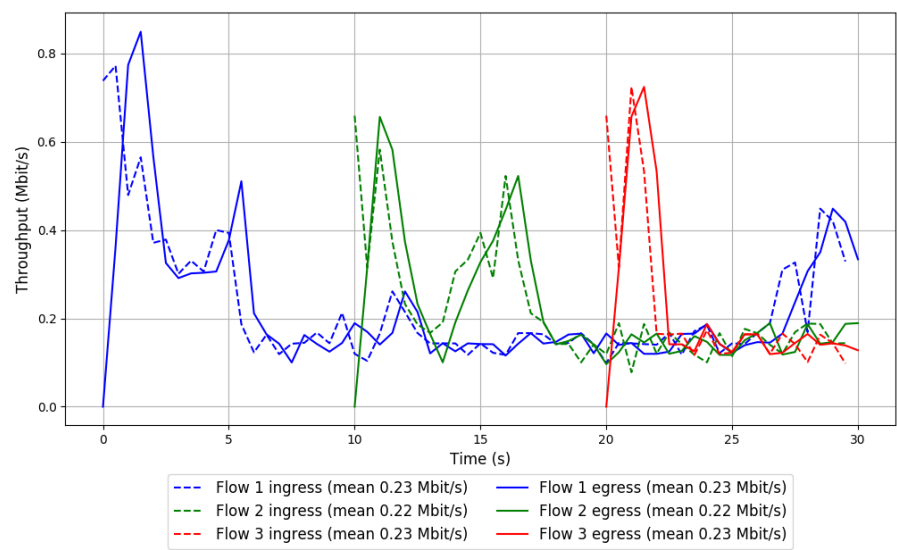


Run 8: Statistics of Sprout

Start at: 2018-08-10 05:47:36
End at: 2018-08-10 05:48:06
Local clock offset: -0.042 ms
Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-08-10 08:58:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 112.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 112.863 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.385 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 113.164 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-10 06:13:43

End at: 2018-08-10 06:14:13

Local clock offset: 0.728 ms

Remote clock offset: 1.143 ms

Below is generated by plot.py at 2018-08-10 08:58:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 111.308 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 111.055 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 111.358 ms

Loss rate: 0.00%

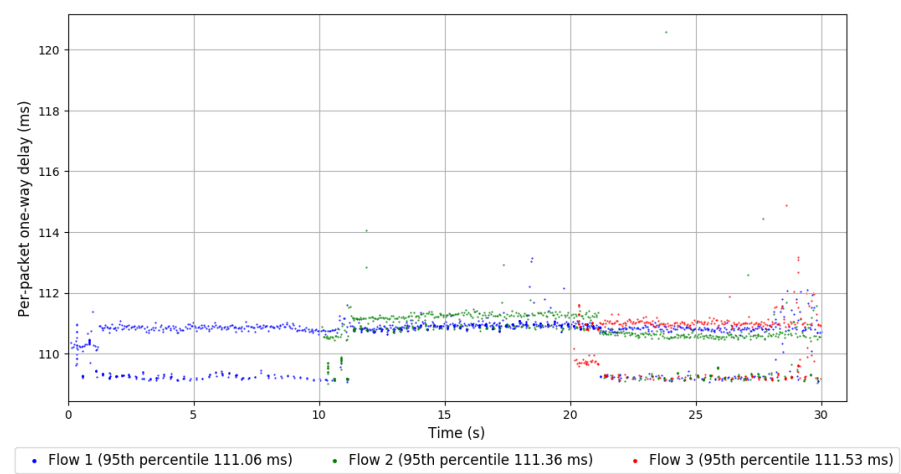
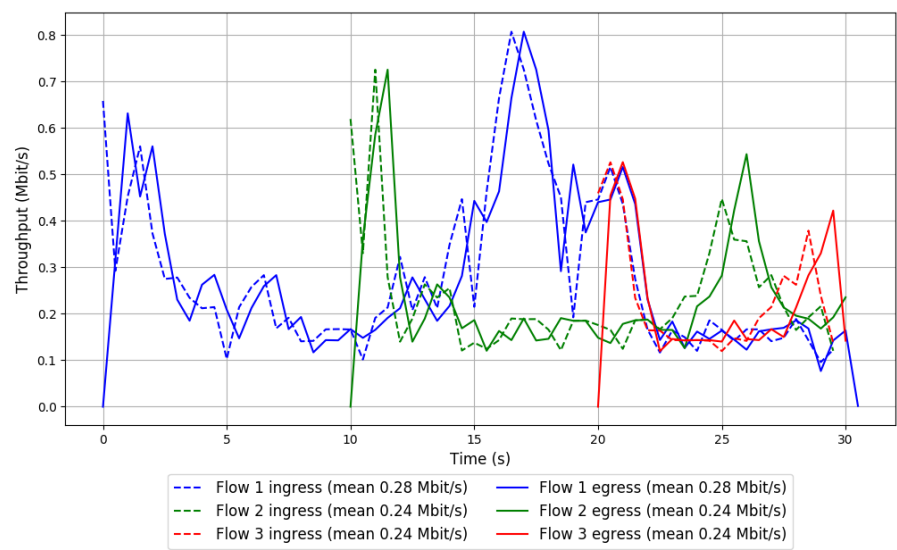
-- Flow 3:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 111.530 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-10 06:42:13

End at: 2018-08-10 06:42:43

Local clock offset: 0.041 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-08-10 08:58:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.390 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 111.501 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.305 ms

Loss rate: 0.00%

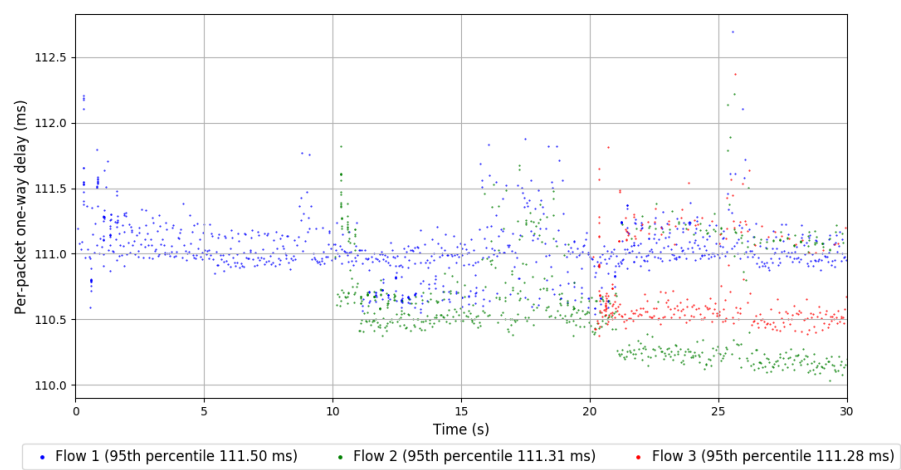
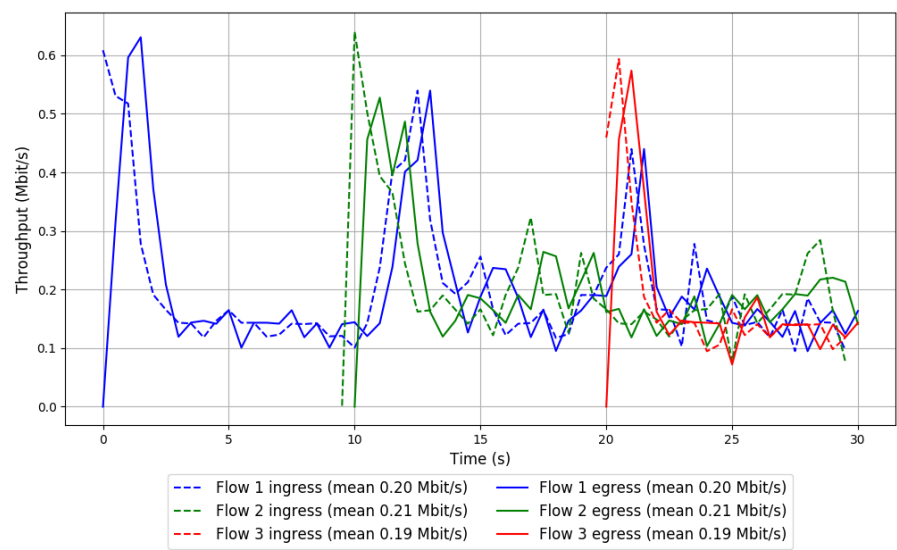
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.283 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

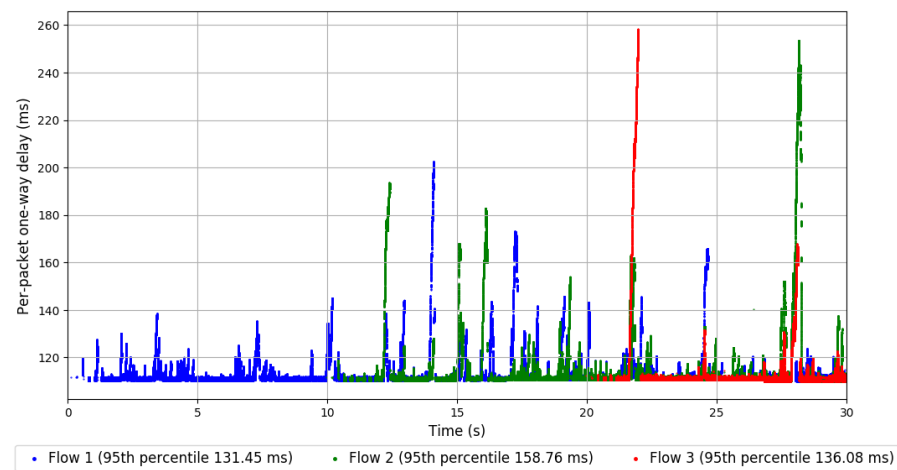
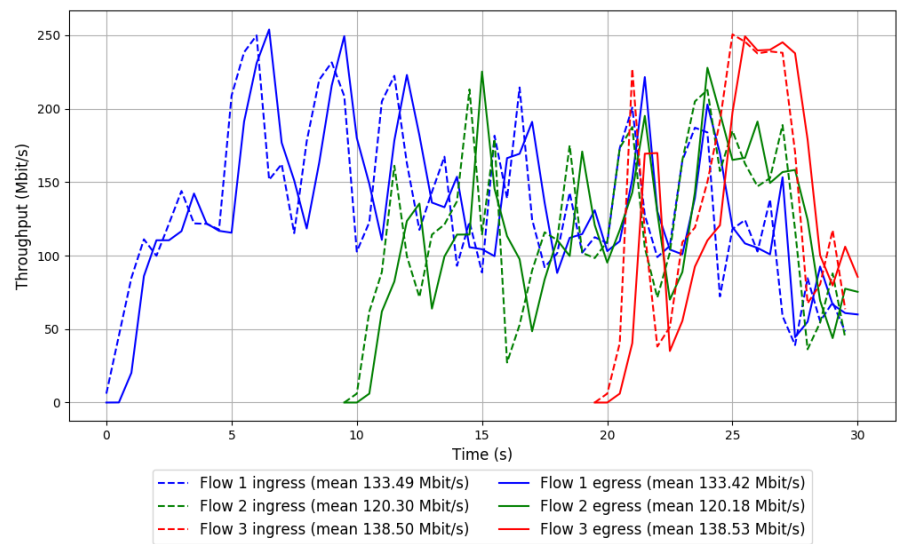


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-10 02:34:37
End at: 2018-08-10 02:35:07
Local clock offset: -0.104 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2018-08-10 08:58:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 260.16 Mbit/s
95th percentile per-packet one-way delay: 137.709 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 133.42 Mbit/s
95th percentile per-packet one-way delay: 131.450 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 120.18 Mbit/s
95th percentile per-packet one-way delay: 158.756 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 138.53 Mbit/s
95th percentile per-packet one-way delay: 136.079 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-10 03:00:56

End at: 2018-08-10 03:01:26

Local clock offset: -0.157 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-08-10 08:58:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.38 Mbit/s

95th percentile per-packet one-way delay: 137.938 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 100.20 Mbit/s

95th percentile per-packet one-way delay: 143.591 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 109.93 Mbit/s

95th percentile per-packet one-way delay: 135.301 ms

Loss rate: 0.20%

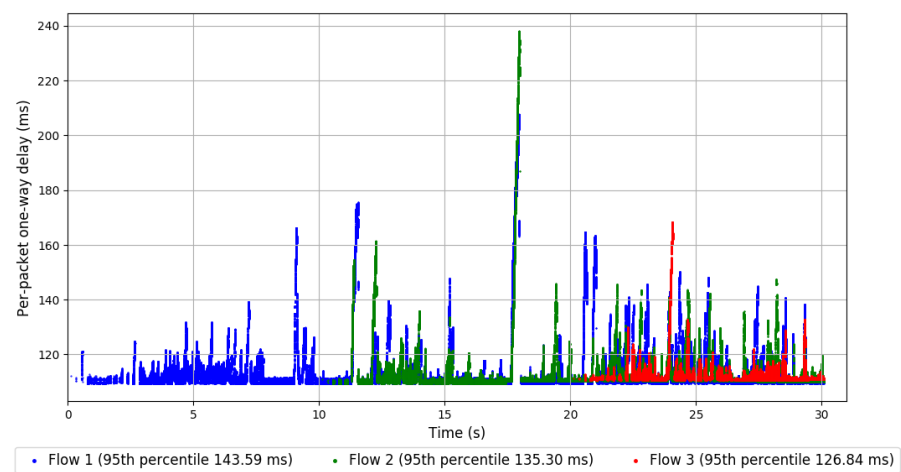
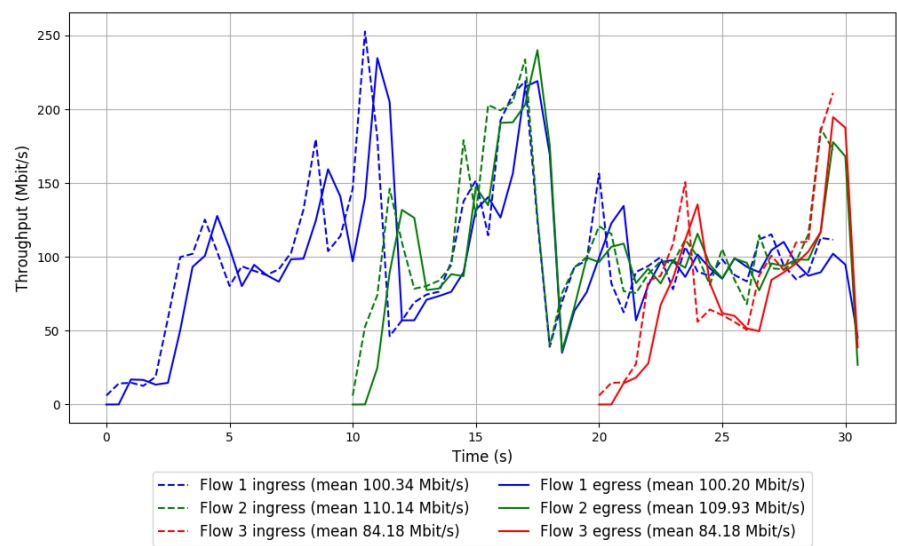
-- Flow 3:

Average throughput: 84.18 Mbit/s

95th percentile per-packet one-way delay: 126.840 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-10 03:26:55

End at: 2018-08-10 03:27:25

Local clock offset: -1.366 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2018-08-10 08:58:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.80 Mbit/s

95th percentile per-packet one-way delay: 133.128 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 104.62 Mbit/s

95th percentile per-packet one-way delay: 128.527 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 103.00 Mbit/s

95th percentile per-packet one-way delay: 139.209 ms

Loss rate: 0.03%

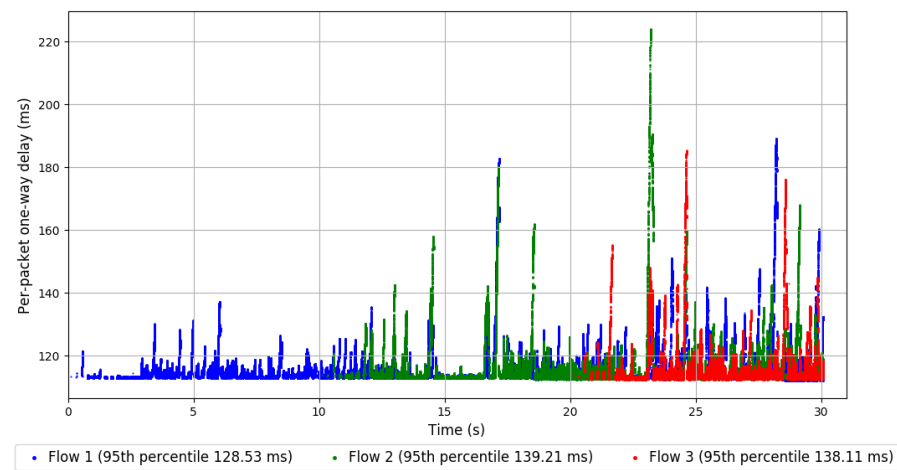
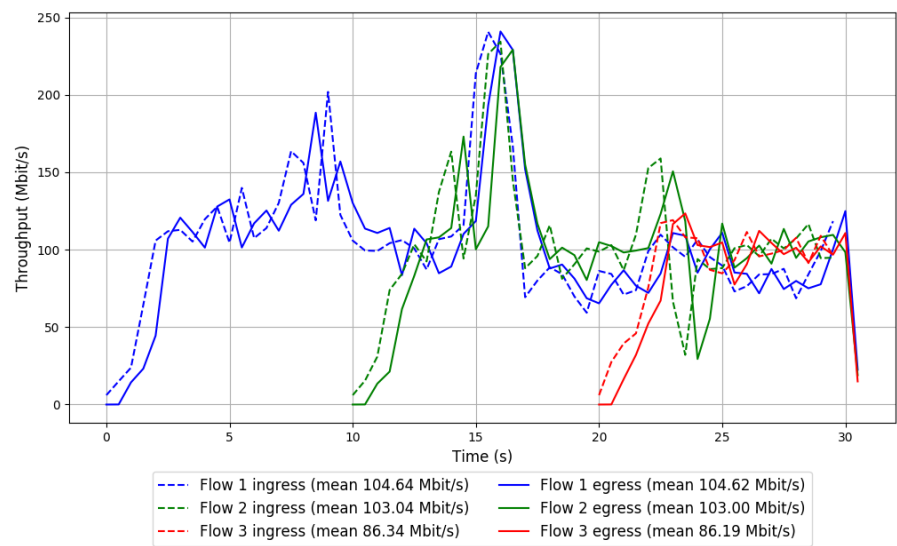
-- Flow 3:

Average throughput: 86.19 Mbit/s

95th percentile per-packet one-way delay: 138.114 ms

Loss rate: 0.18%

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

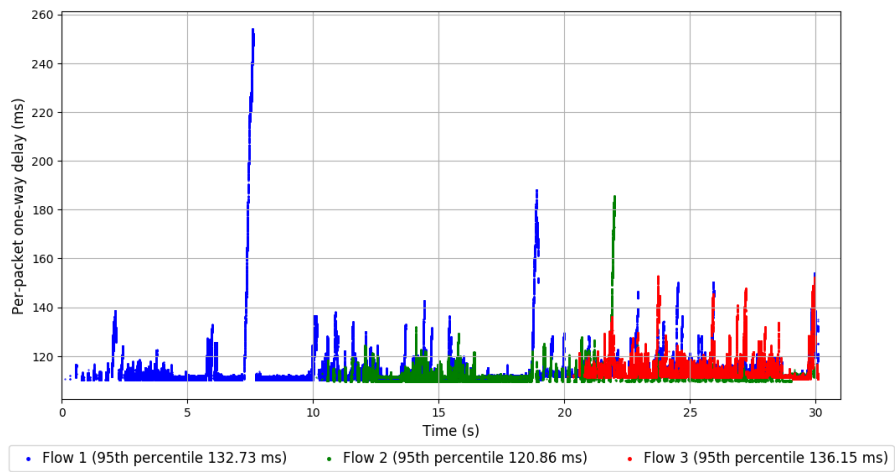
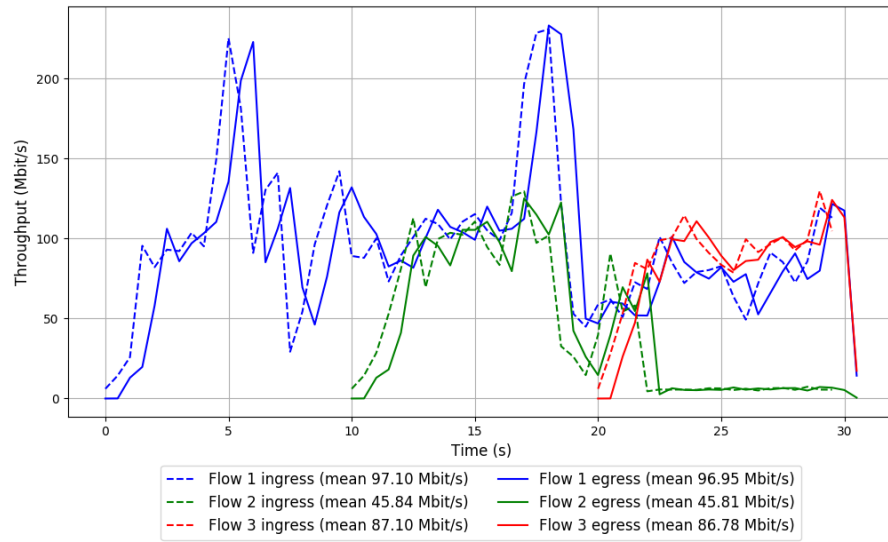


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-10 03:53:05
End at: 2018-08-10 03:53:35
Local clock offset: -0.387 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-10 08:58:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.19 Mbit/s
95th percentile per-packet one-way delay: 131.457 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 132.726 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 120.863 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 136.146 ms
Loss rate: 0.36%

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

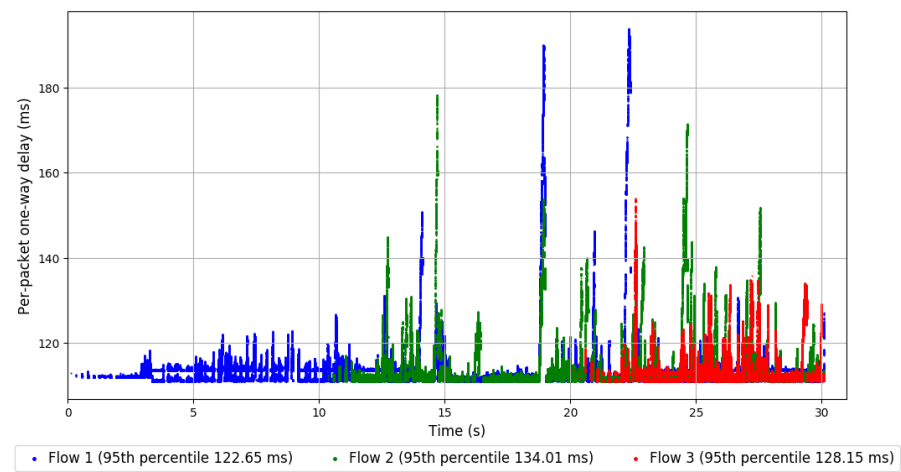
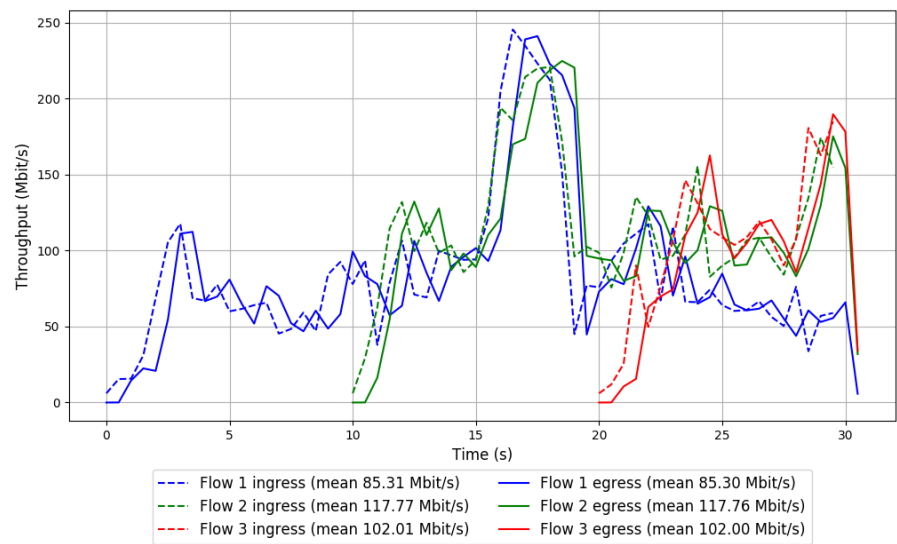


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-10 04:18:50
End at: 2018-08-10 04:19:20
Local clock offset: -1.388 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-08-10 08:58:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 197.60 Mbit/s
95th percentile per-packet one-way delay: 129.591 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 122.649 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 117.76 Mbit/s
95th percentile per-packet one-way delay: 134.007 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 102.00 Mbit/s
95th percentile per-packet one-way delay: 128.151 ms
Loss rate: 0.02%

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

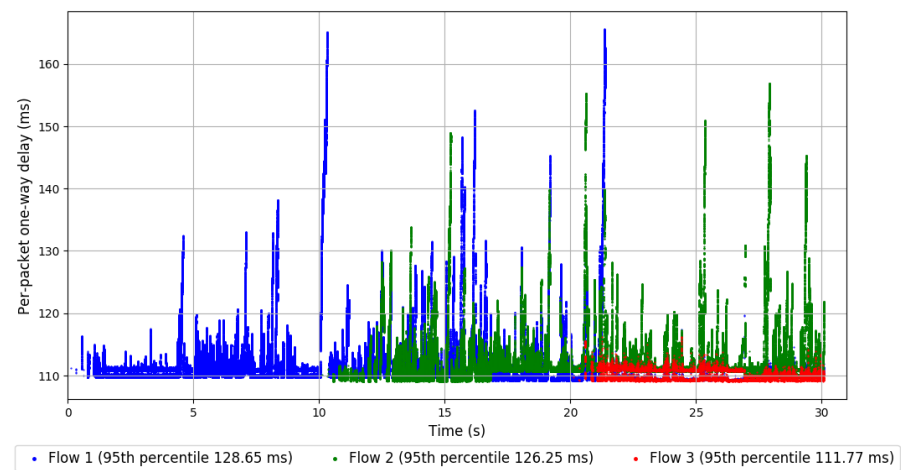
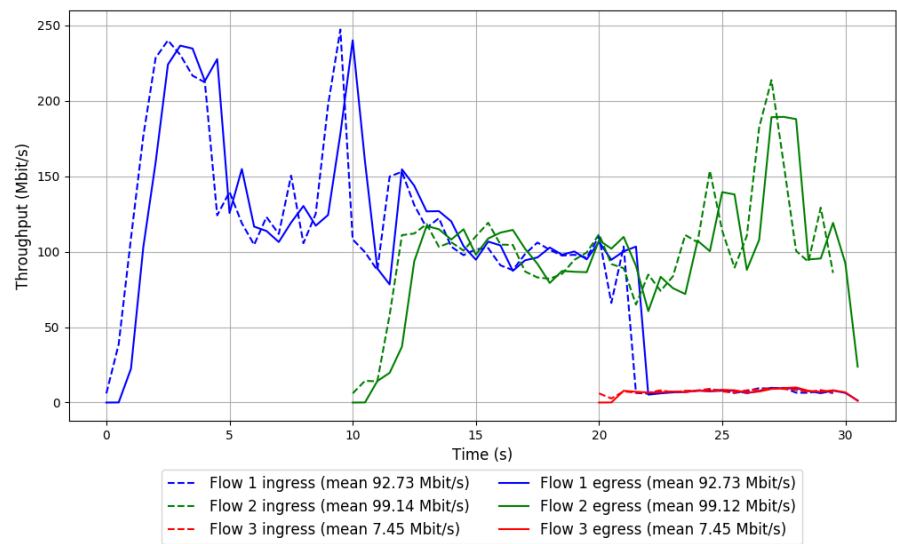


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-10 04:45:07
End at: 2018-08-10 04:45:37
Local clock offset: 0.166 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-10 08:58:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.22 Mbit/s
95th percentile per-packet one-way delay: 127.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 128.646 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.12 Mbit/s
95th percentile per-packet one-way delay: 126.252 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 111.774 ms
Loss rate: 0.00%

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

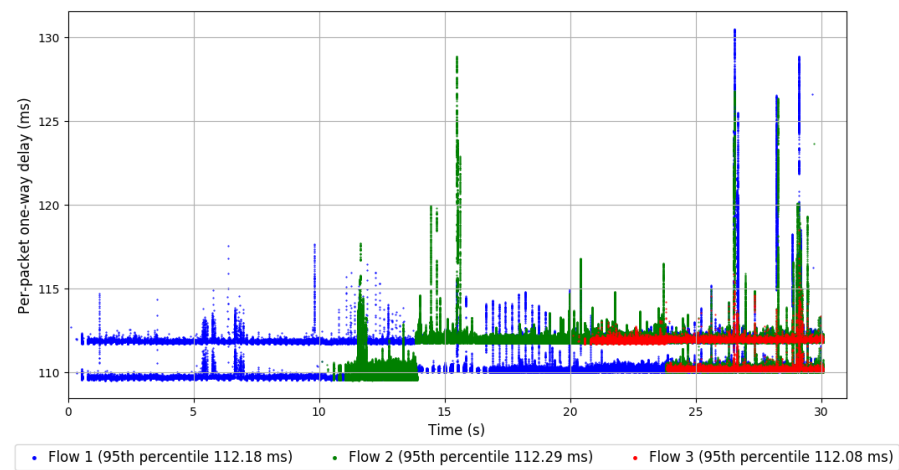
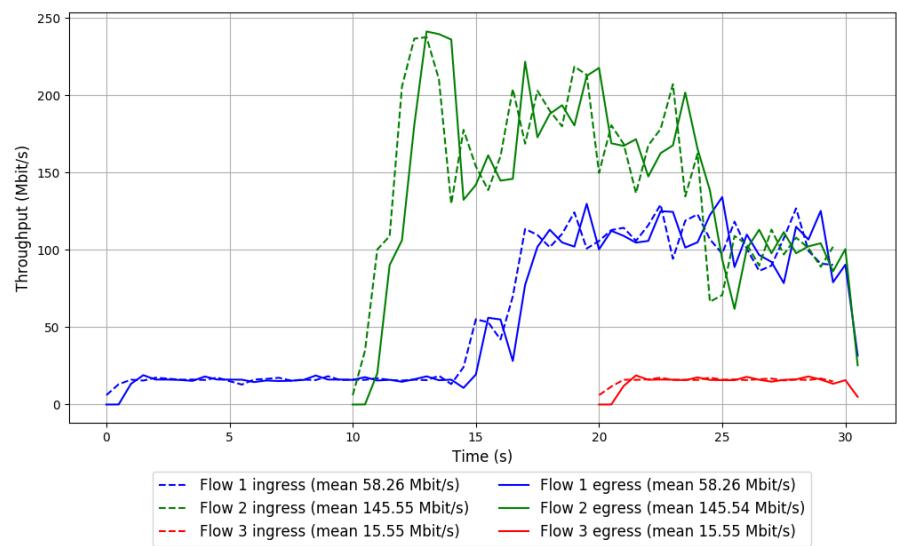


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-10 05:11:40
End at: 2018-08-10 05:12:10
Local clock offset: -1.274 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-08-10 08:58:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.34 Mbit/s
95th percentile per-packet one-way delay: 112.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 112.178 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.54 Mbit/s
95th percentile per-packet one-way delay: 112.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 112.077 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-10 05:38:26

End at: 2018-08-10 05:38:56

Local clock offset: -1.094 ms

Remote clock offset: 0.521 ms

Below is generated by plot.py at 2018-08-10 08:58:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.37 Mbit/s

95th percentile per-packet one-way delay: 114.446 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 103.57 Mbit/s

95th percentile per-packet one-way delay: 114.522 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.55 Mbit/s

95th percentile per-packet one-way delay: 113.997 ms

Loss rate: 0.00%

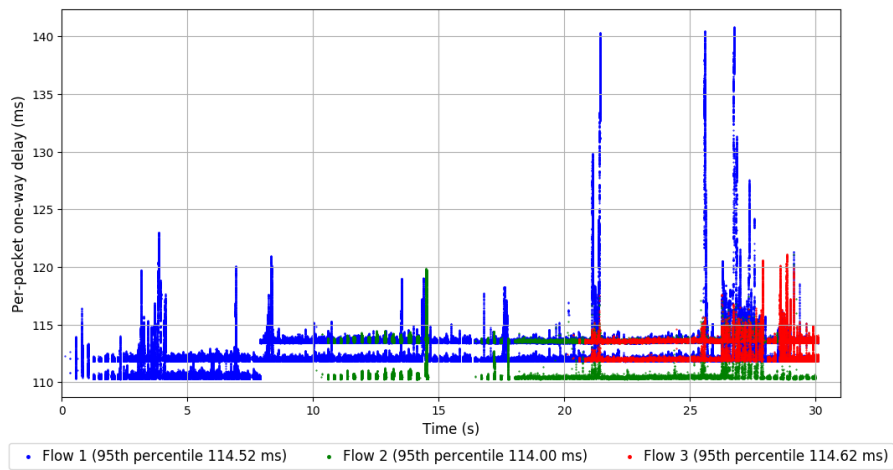
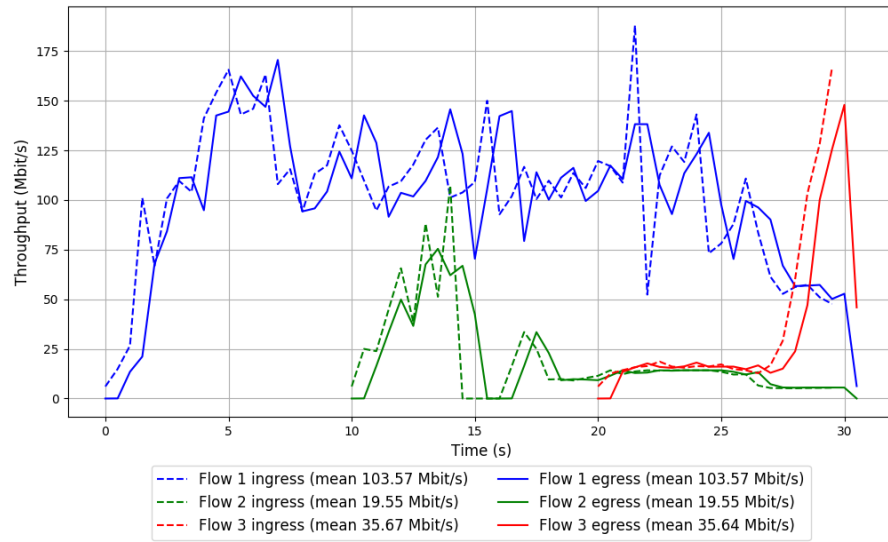
-- Flow 3:

Average throughput: 35.64 Mbit/s

95th percentile per-packet one-way delay: 114.623 ms

Loss rate: 0.06%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-10 06:04:30

End at: 2018-08-10 06:05:00

Local clock offset: 0.052 ms

Remote clock offset: 0.696 ms

Below is generated by plot.py at 2018-08-10 08:58:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 166.52 Mbit/s

95th percentile per-packet one-way delay: 123.871 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 70.20 Mbit/s

95th percentile per-packet one-way delay: 121.268 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 115.61 Mbit/s

95th percentile per-packet one-way delay: 125.609 ms

Loss rate: 0.01%

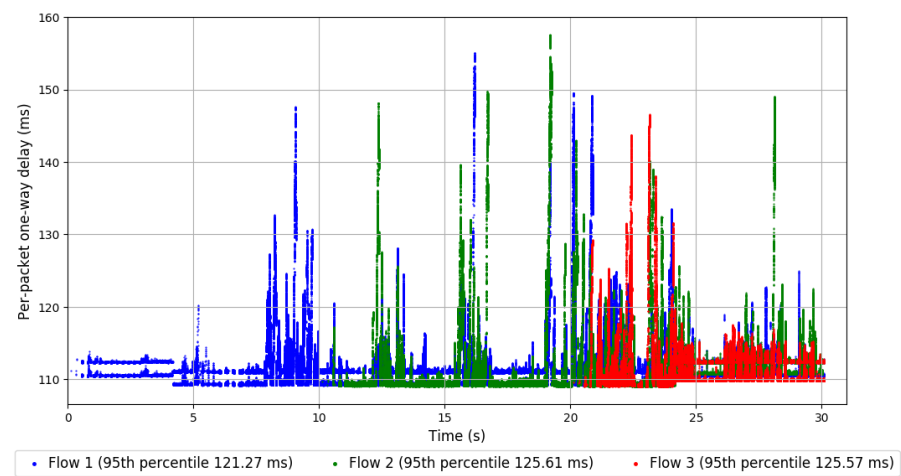
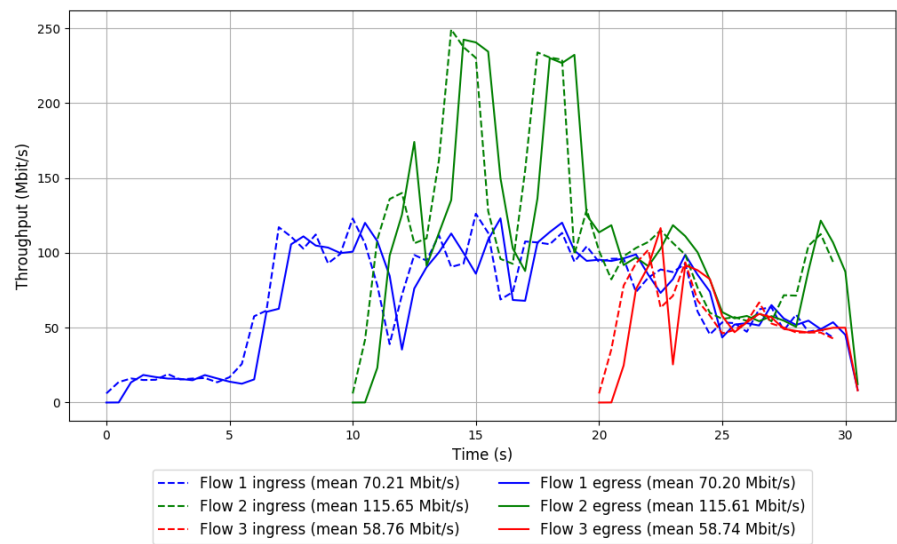
-- Flow 3:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 125.566 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-10 06:31:33

End at: 2018-08-10 06:32:03

Local clock offset: 1.175 ms

Remote clock offset: 0.86 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 352.80 Mbit/s

95th percentile per-packet one-way delay: 120.735 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 187.85 Mbit/s

95th percentile per-packet one-way delay: 118.342 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 164.35 Mbit/s

95th percentile per-packet one-way delay: 119.842 ms

Loss rate: 0.00%

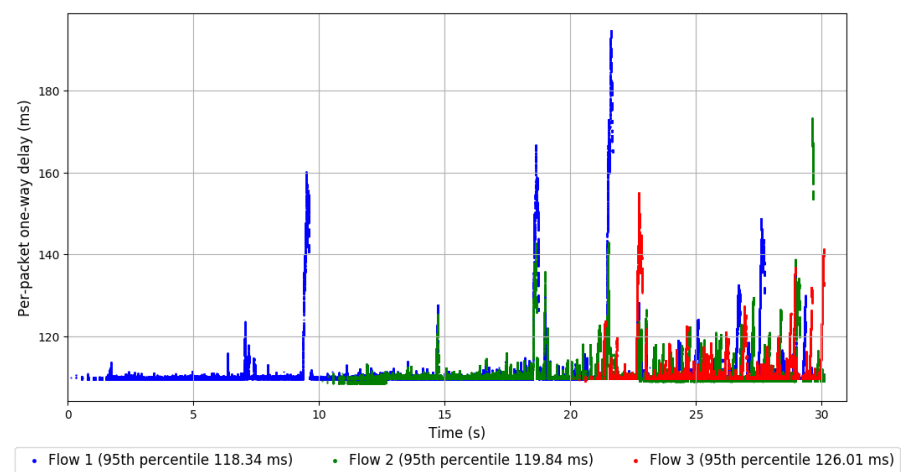
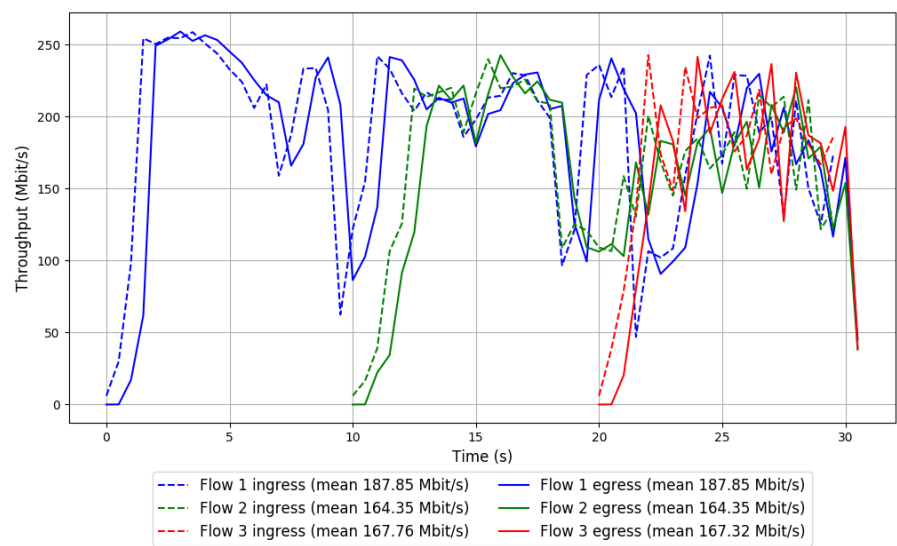
-- Flow 3:

Average throughput: 167.32 Mbit/s

95th percentile per-packet one-way delay: 126.012 ms

Loss rate: 0.26%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-10 02:41:09

End at: 2018-08-10 02:41:39

Local clock offset: -0.346 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.31 Mbit/s

95th percentile per-packet one-way delay: 115.891 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.67 Mbit/s

95th percentile per-packet one-way delay: 115.696 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.00 Mbit/s

95th percentile per-packet one-way delay: 116.294 ms

Loss rate: 0.00%

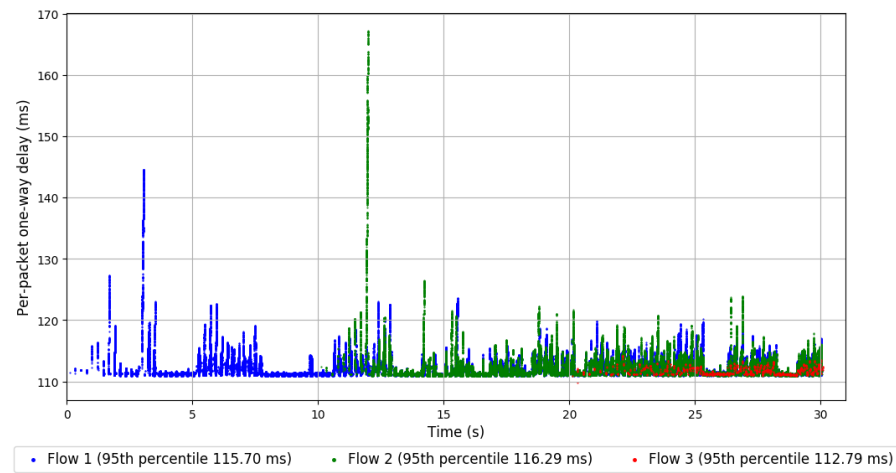
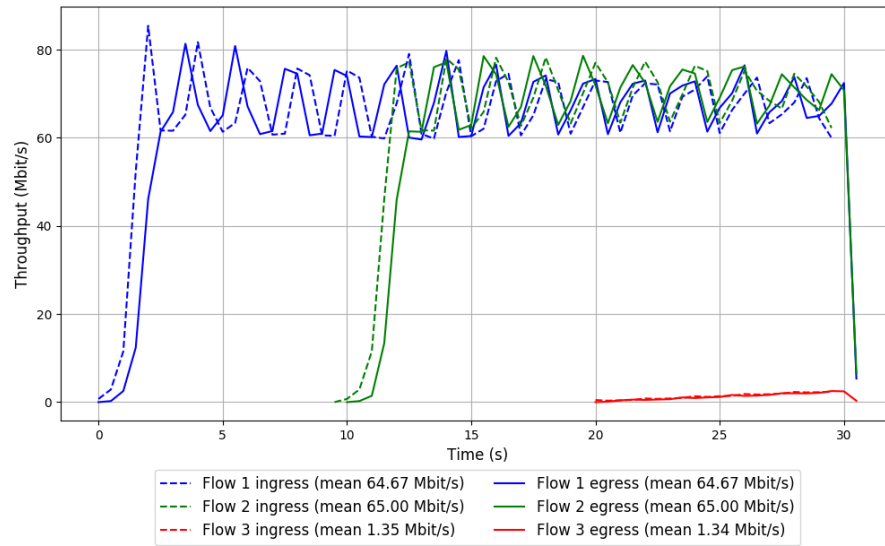
-- Flow 3:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 112.791 ms

Loss rate: 0.45%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-10 03:07:00

End at: 2018-08-10 03:07:30

Local clock offset: -0.529 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.42 Mbit/s

95th percentile per-packet one-way delay: 170.593 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 68.54 Mbit/s

95th percentile per-packet one-way delay: 122.360 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 171.95 Mbit/s

95th percentile per-packet one-way delay: 184.073 ms

Loss rate: 0.32%

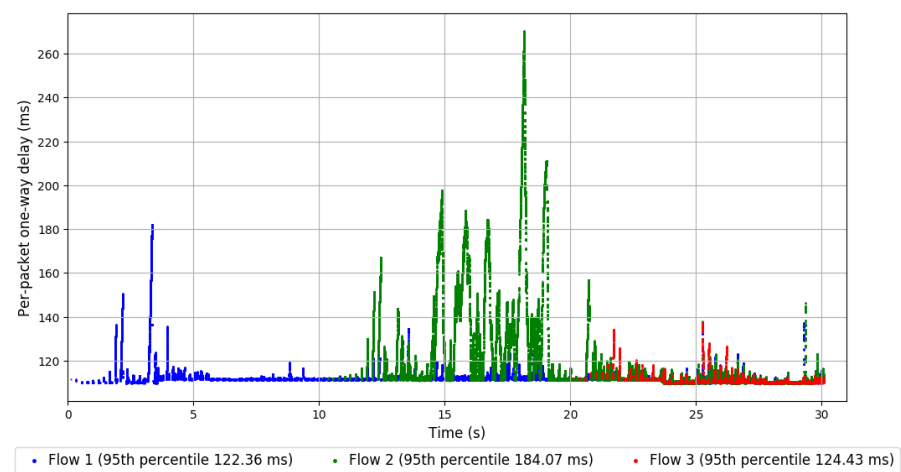
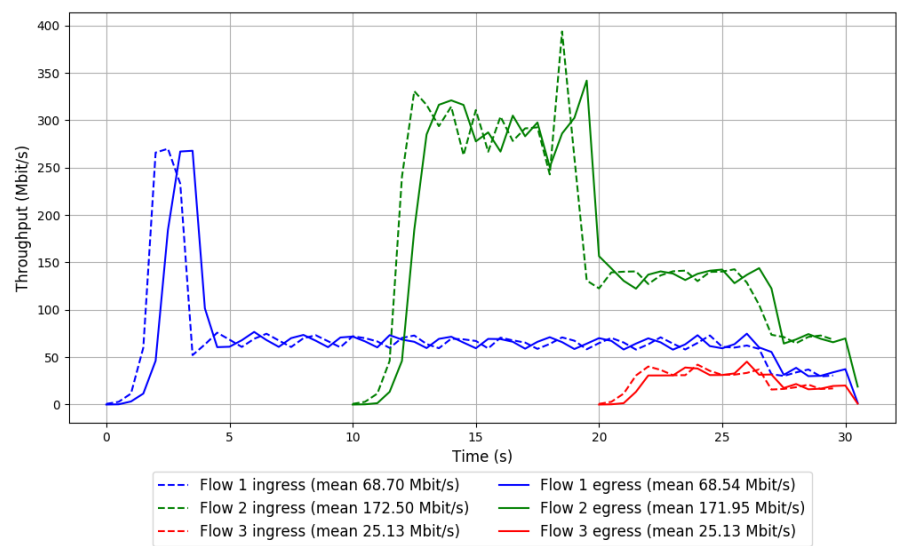
-- Flow 3:

Average throughput: 25.13 Mbit/s

95th percentile per-packet one-way delay: 124.433 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-10 03:33:08

End at: 2018-08-10 03:33:38

Local clock offset: 1.162 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.61 Mbit/s

95th percentile per-packet one-way delay: 116.346 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 66.28 Mbit/s

95th percentile per-packet one-way delay: 114.265 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.95 Mbit/s

95th percentile per-packet one-way delay: 120.619 ms

Loss rate: 0.00%

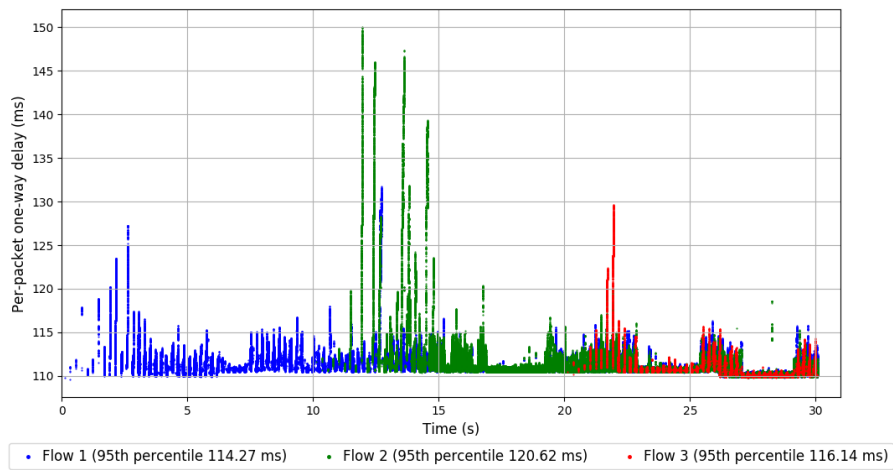
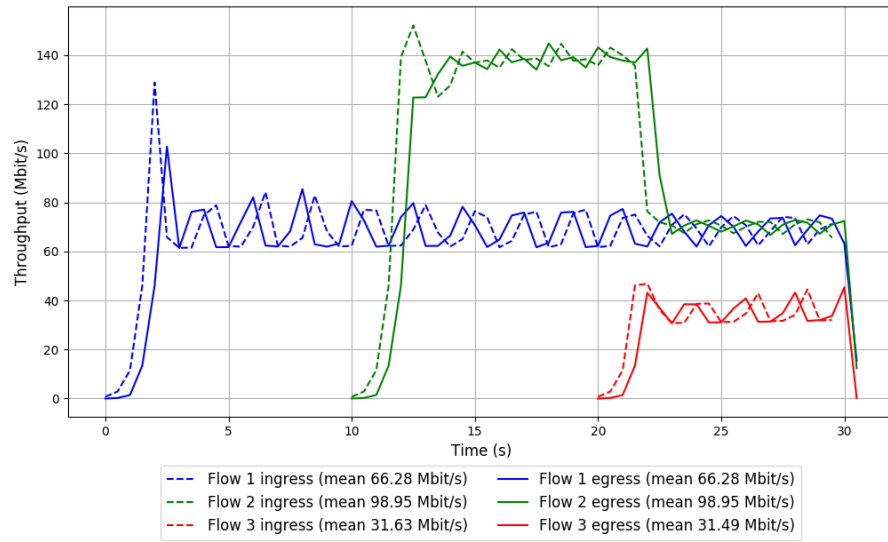
-- Flow 3:

Average throughput: 31.49 Mbit/s

95th percentile per-packet one-way delay: 116.143 ms

Loss rate: 0.47%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-10 03:59:15

End at: 2018-08-10 03:59:45

Local clock offset: -0.607 ms

Remote clock offset: -0.72 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 112.39 Mbit/s

95th percentile per-packet one-way delay: 125.170 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 34.44 Mbit/s

95th percentile per-packet one-way delay: 114.828 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 116.931 ms

Loss rate: 0.01%

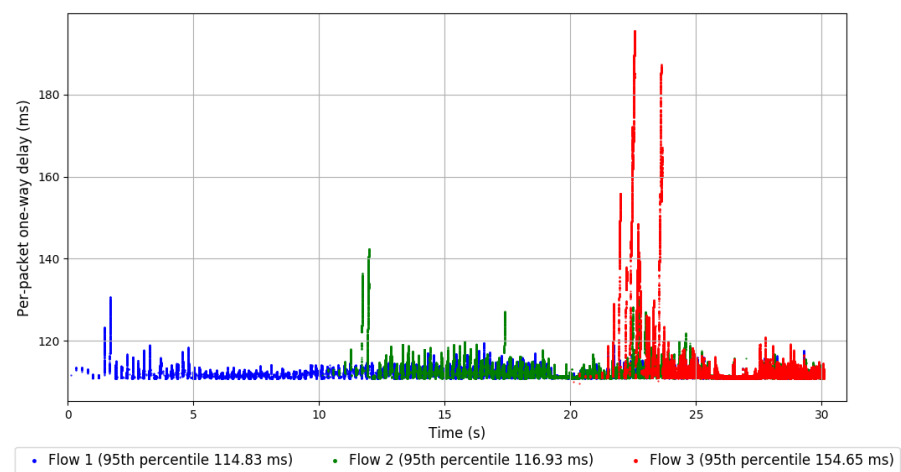
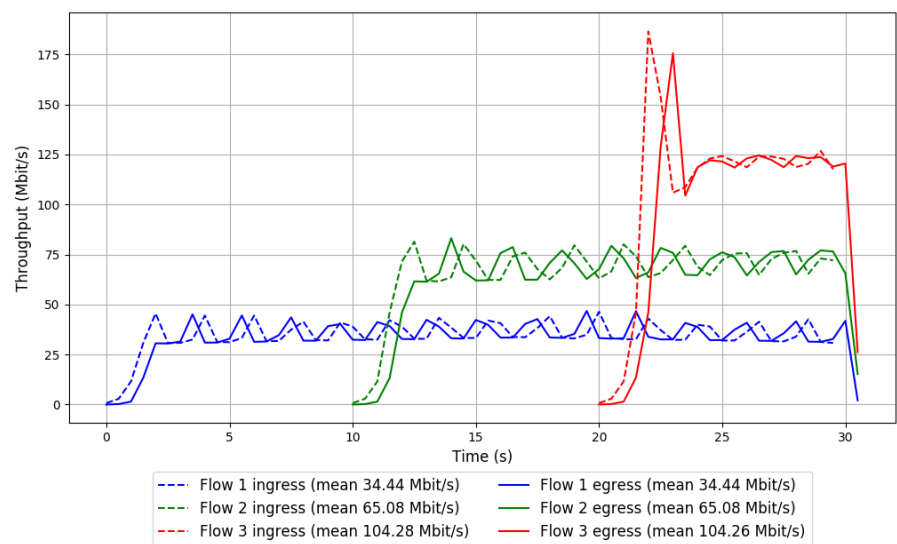
-- Flow 3:

Average throughput: 104.26 Mbit/s

95th percentile per-packet one-way delay: 154.653 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

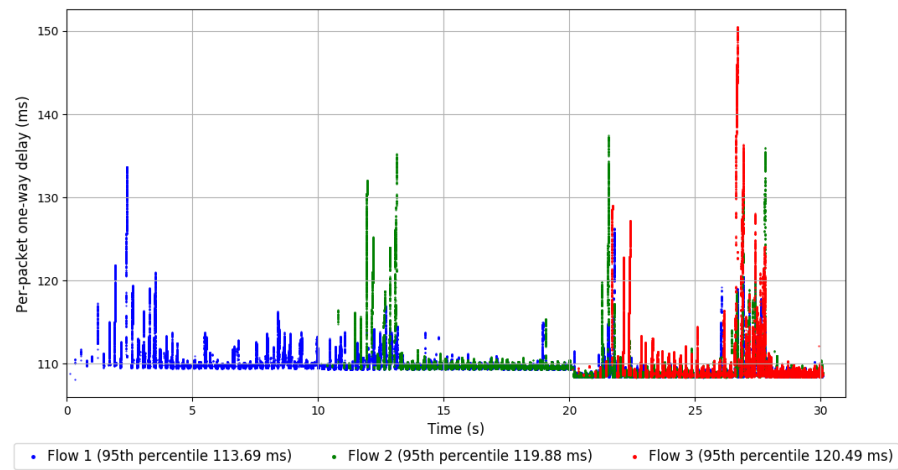
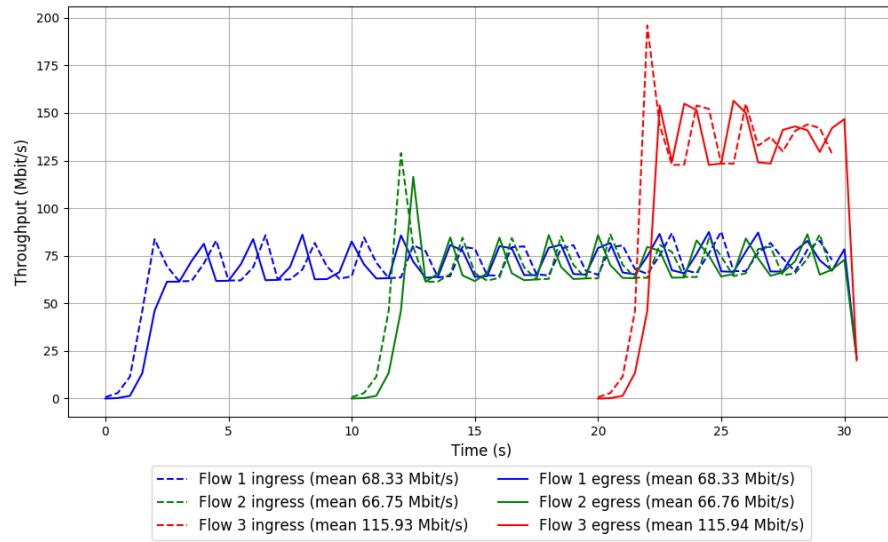


Run 5: Statistics of TCP Vegas

Start at: 2018-08-10 04:25:14
End at: 2018-08-10 04:25:44
Local clock offset: 1.461 ms
Remote clock offset: -0.115 ms

```
# Below is generated by plot.py at 2018-08-10 09:04:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 151.29 Mbit/s
95th percentile per-packet one-way delay: 116.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.33 Mbit/s
95th percentile per-packet one-way delay: 113.685 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.76 Mbit/s
95th percentile per-packet one-way delay: 119.875 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.94 Mbit/s
95th percentile per-packet one-way delay: 120.486 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-10 04:51:27

End at: 2018-08-10 04:51:57

Local clock offset: -0.584 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.97 Mbit/s

95th percentile per-packet one-way delay: 119.868 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 60.38 Mbit/s

95th percentile per-packet one-way delay: 117.477 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 118.173 ms

Loss rate: 0.00%

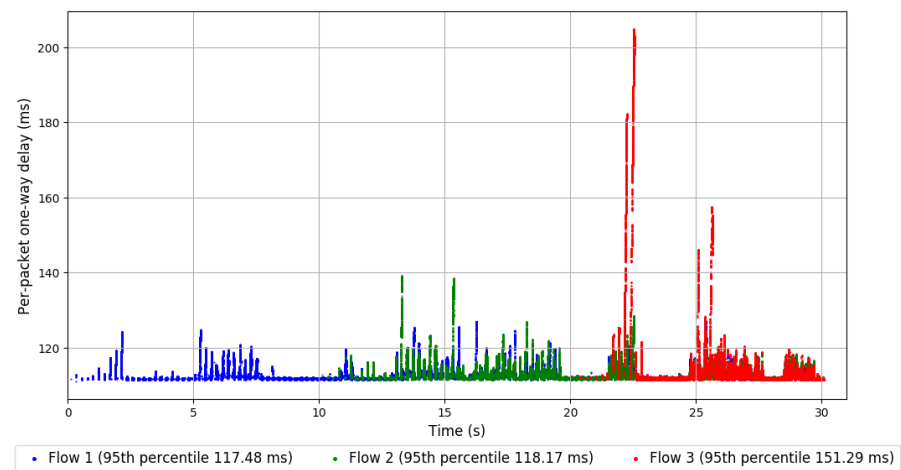
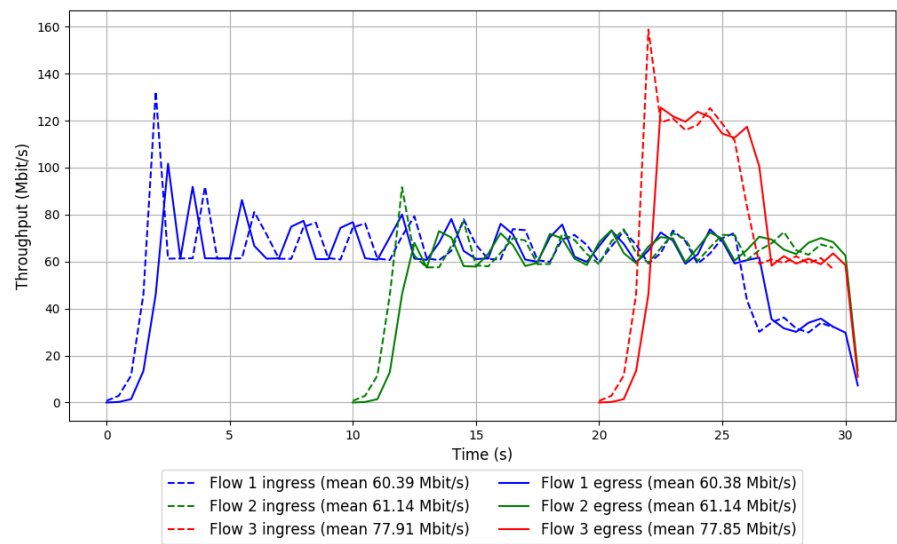
-- Flow 3:

Average throughput: 77.85 Mbit/s

95th percentile per-packet one-way delay: 151.293 ms

Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-10 05:18:00

End at: 2018-08-10 05:18:30

Local clock offset: -0.289 ms

Remote clock offset: 0.693 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.43 Mbit/s

95th percentile per-packet one-way delay: 114.121 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 104.78 Mbit/s

95th percentile per-packet one-way delay: 114.252 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.95 Mbit/s

95th percentile per-packet one-way delay: 113.794 ms

Loss rate: 0.00%

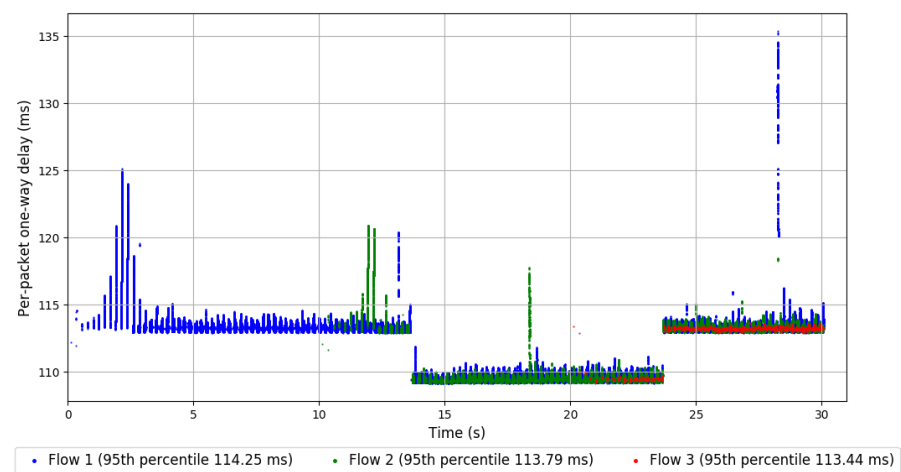
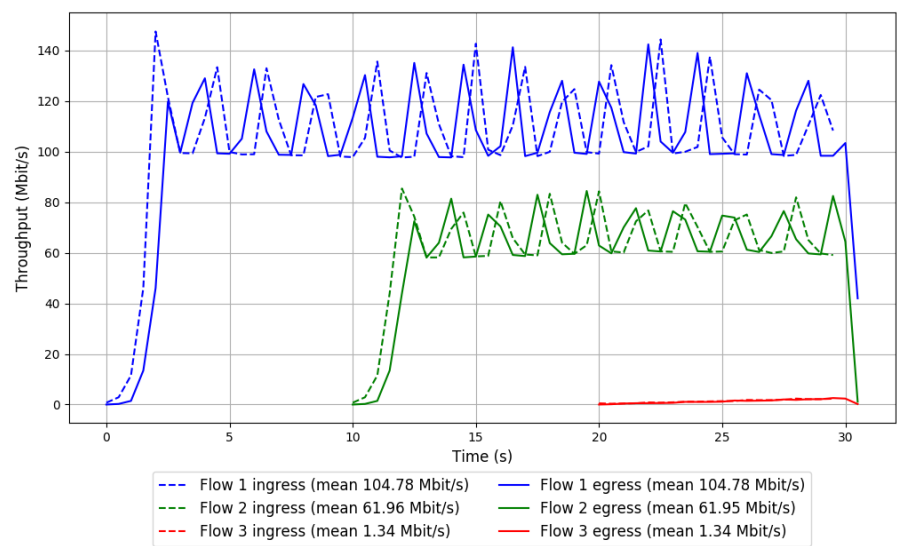
-- Flow 3:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 113.441 ms

Loss rate: 0.45%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-10 05:44:26

End at: 2018-08-10 05:44:57

Local clock offset: 0.595 ms

Remote clock offset: 0.624 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.99 Mbit/s

95th percentile per-packet one-way delay: 115.407 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.74 Mbit/s

95th percentile per-packet one-way delay: 112.814 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 113.467 ms

Loss rate: 0.00%

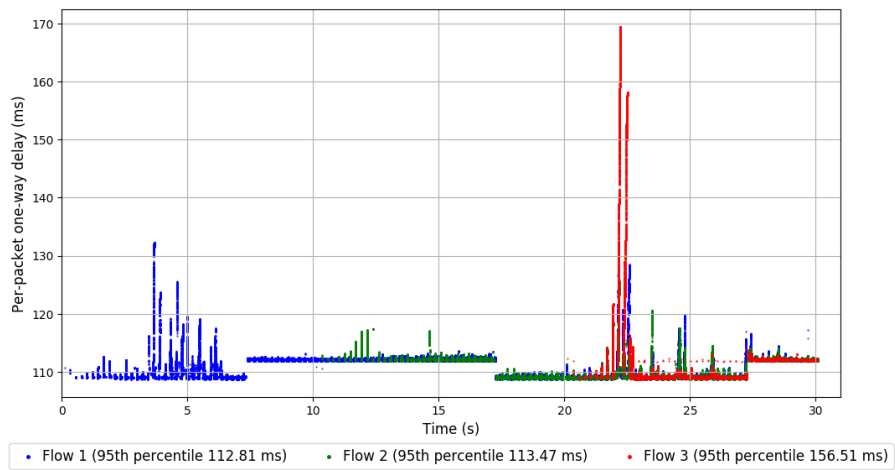
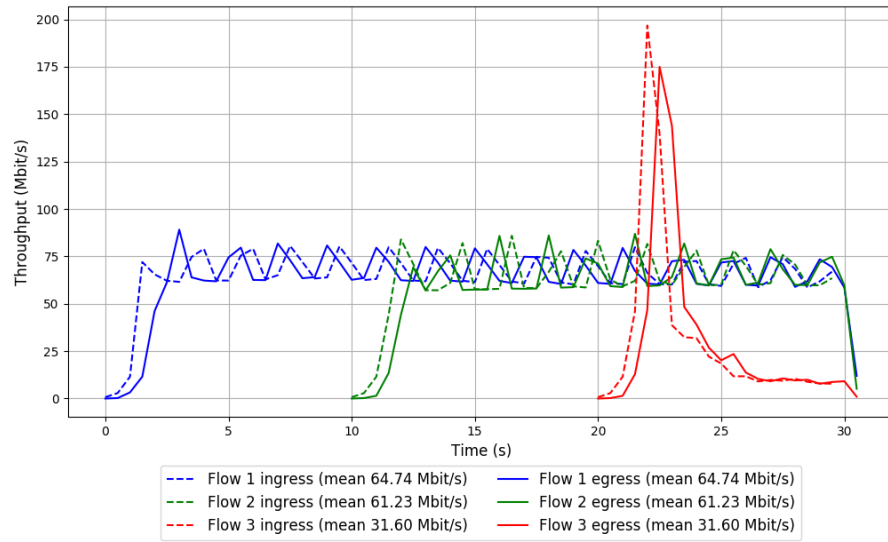
-- Flow 3:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 156.511 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-10 06:10:28

End at: 2018-08-10 06:10:58

Local clock offset: -0.012 ms

Remote clock offset: 0.723 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.22 Mbit/s

95th percentile per-packet one-way delay: 114.293 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.28 Mbit/s

95th percentile per-packet one-way delay: 113.773 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.91 Mbit/s

95th percentile per-packet one-way delay: 114.518 ms

Loss rate: 0.00%

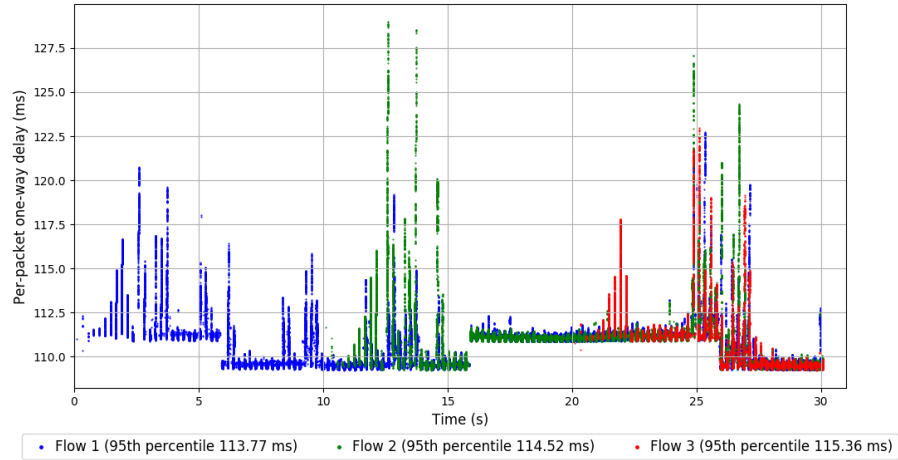
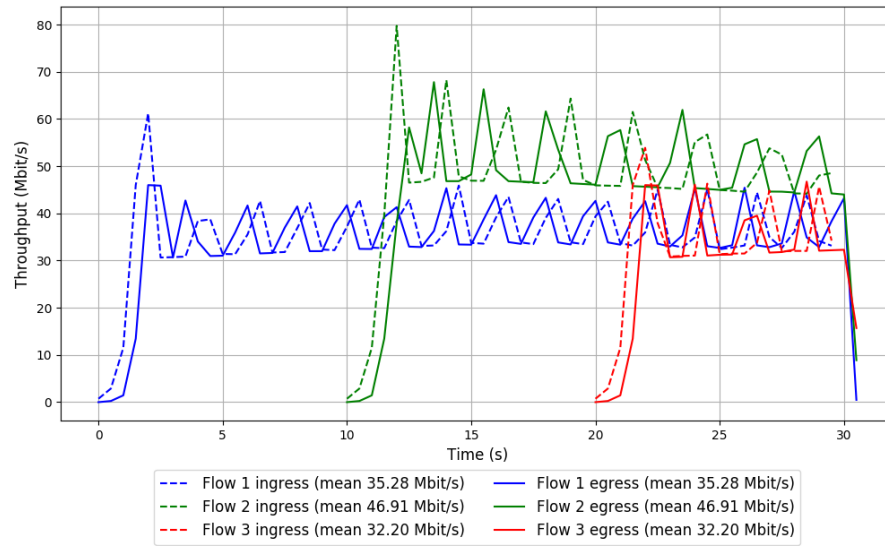
-- Flow 3:

Average throughput: 32.20 Mbit/s

95th percentile per-packet one-way delay: 115.360 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-10 06:39:07

End at: 2018-08-10 06:39:37

Local clock offset: 0.1 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-08-10 09:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.23 Mbit/s

95th percentile per-packet one-way delay: 114.882 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 46.33 Mbit/s

95th percentile per-packet one-way delay: 113.677 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 37.34 Mbit/s

95th percentile per-packet one-way delay: 116.285 ms

Loss rate: 0.11%

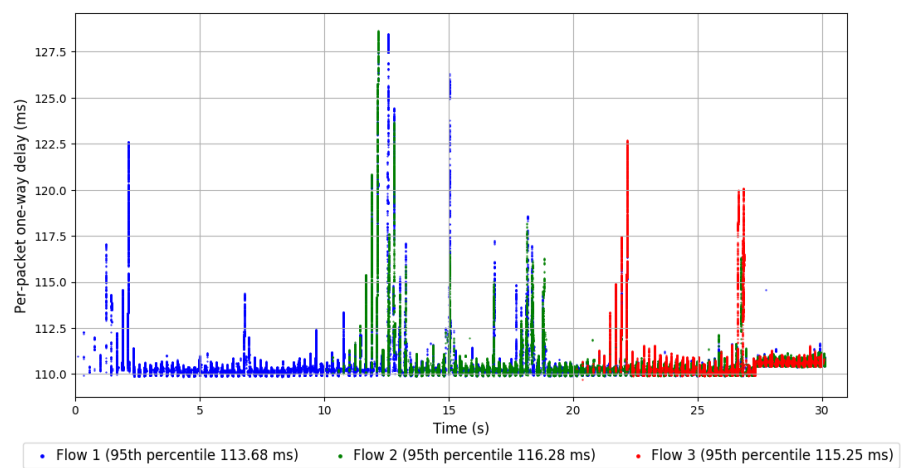
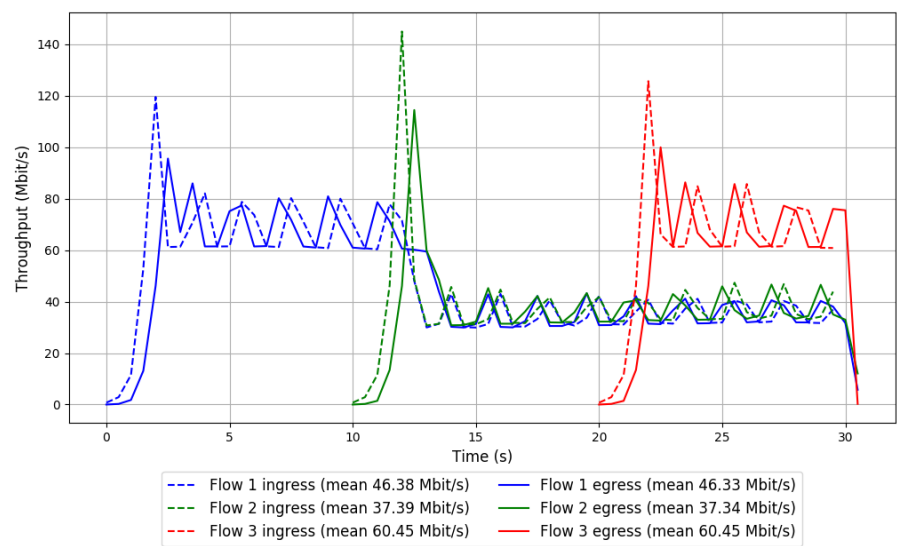
-- Flow 3:

Average throughput: 60.45 Mbit/s

95th percentile per-packet one-way delay: 115.249 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

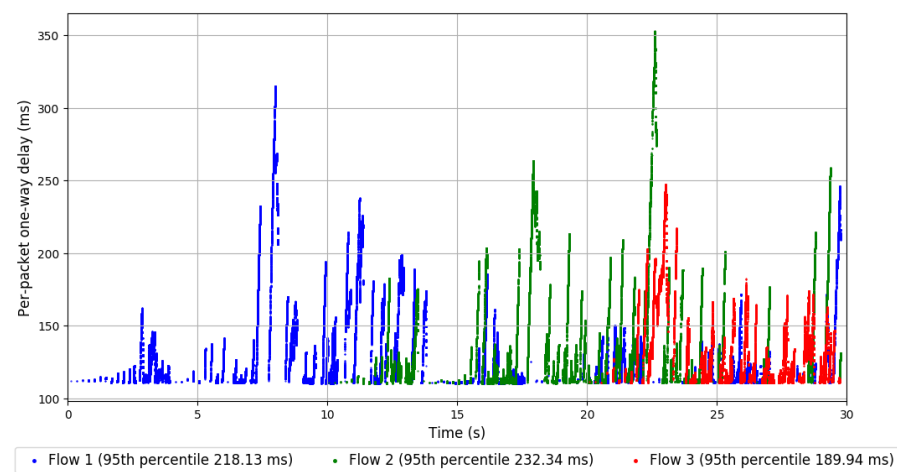
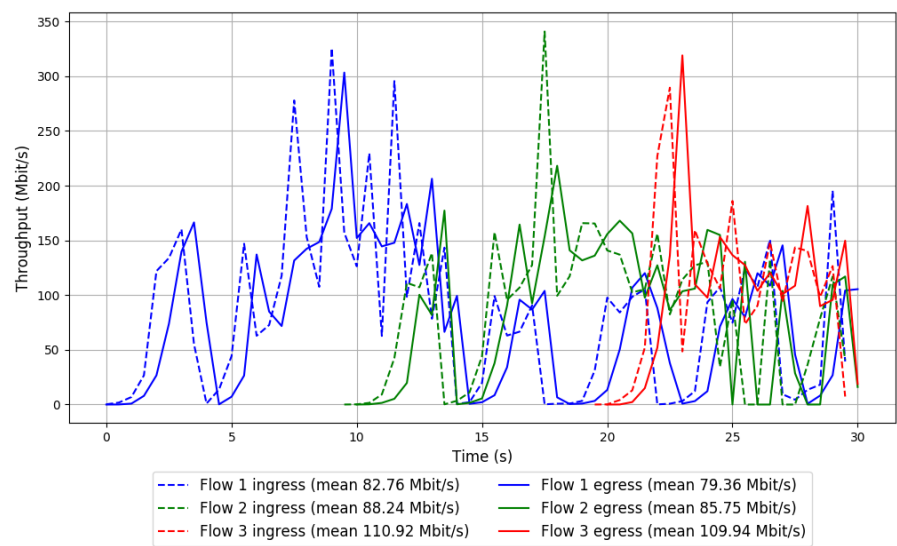


Run 1: Statistics of Verus

Start at: 2018-08-10 02:28:14
End at: 2018-08-10 02:28:44
Local clock offset: -0.279 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-08-10 09:04:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.09 Mbit/s
95th percentile per-packet one-way delay: 219.930 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 218.127 ms
Loss rate: 4.09%
-- Flow 2:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 232.340 ms
Loss rate: 2.81%
-- Flow 3:
Average throughput: 109.94 Mbit/s
95th percentile per-packet one-way delay: 189.942 ms
Loss rate: 0.86%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-10 02:54:43

End at: 2018-08-10 02:55:13

Local clock offset: -0.9 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2018-08-10 09:04:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.60 Mbit/s

95th percentile per-packet one-way delay: 249.750 ms

Loss rate: 3.34%

-- Flow 1:

Average throughput: 70.34 Mbit/s

95th percentile per-packet one-way delay: 273.546 ms

Loss rate: 5.60%

-- Flow 2:

Average throughput: 106.63 Mbit/s

95th percentile per-packet one-way delay: 261.729 ms

Loss rate: 2.86%

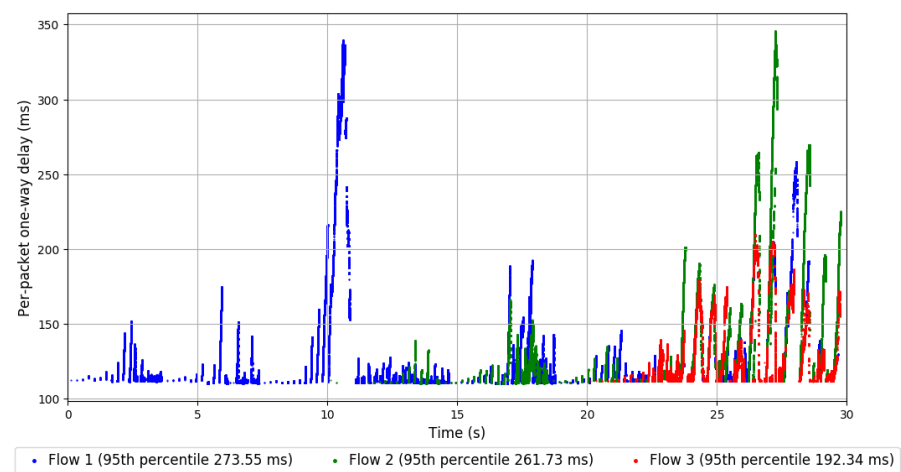
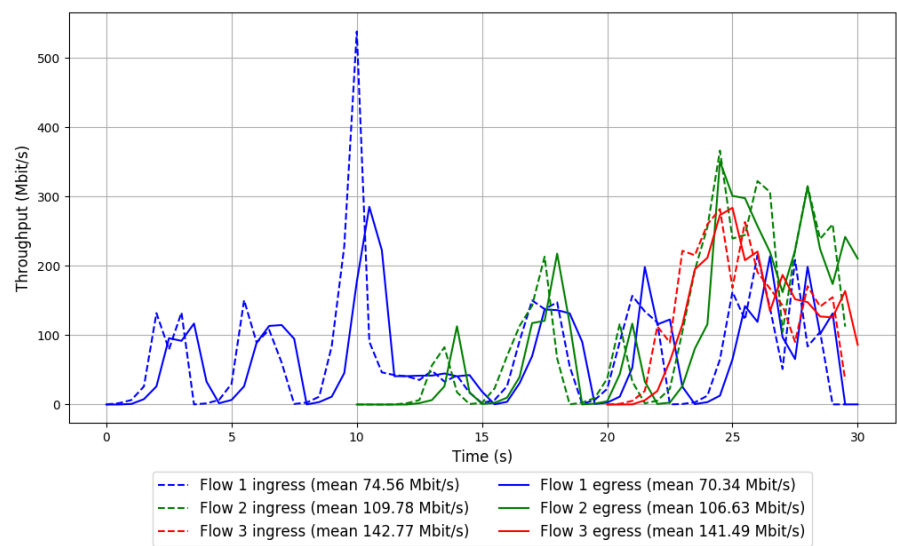
-- Flow 3:

Average throughput: 141.49 Mbit/s

95th percentile per-packet one-way delay: 192.340 ms

Loss rate: 0.44%

Run 2: Report of Verus — Data Link

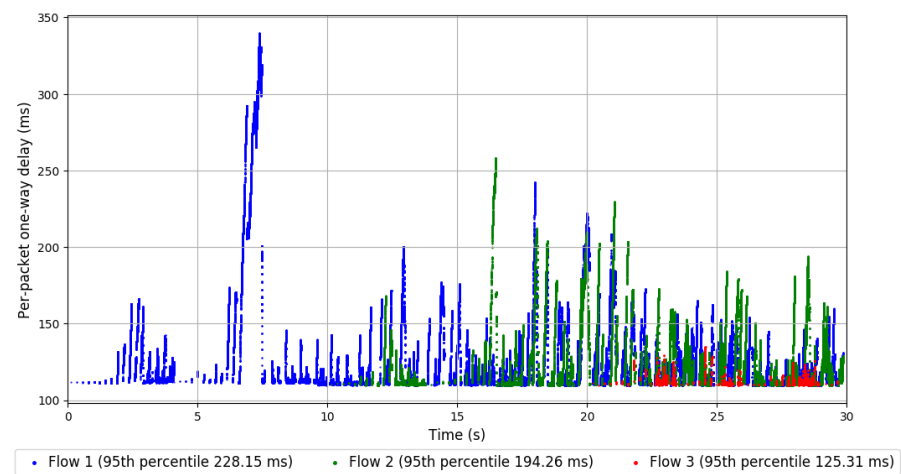
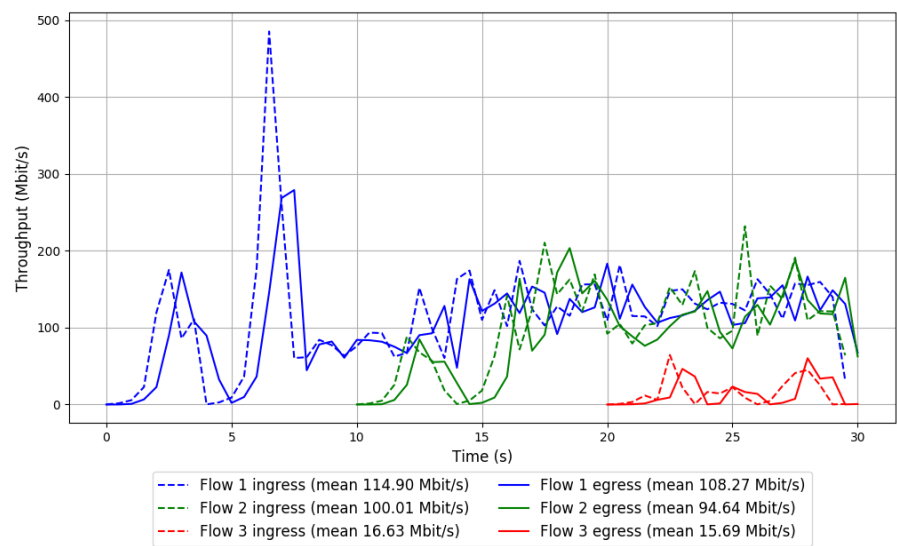


Run 3: Statistics of Verus

Start at: 2018-08-10 03:20:44
End at: 2018-08-10 03:21:14
Local clock offset: -0.247 ms
Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-08-10 09:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 175.93 Mbit/s
95th percentile per-packet one-way delay: 211.454 ms
Loss rate: 5.60%
-- Flow 1:
Average throughput: 108.27 Mbit/s
95th percentile per-packet one-way delay: 228.149 ms
Loss rate: 5.76%
-- Flow 2:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 194.259 ms
Loss rate: 5.33%
-- Flow 3:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 125.309 ms
Loss rate: 5.62%

Run 3: Report of Verus — Data Link

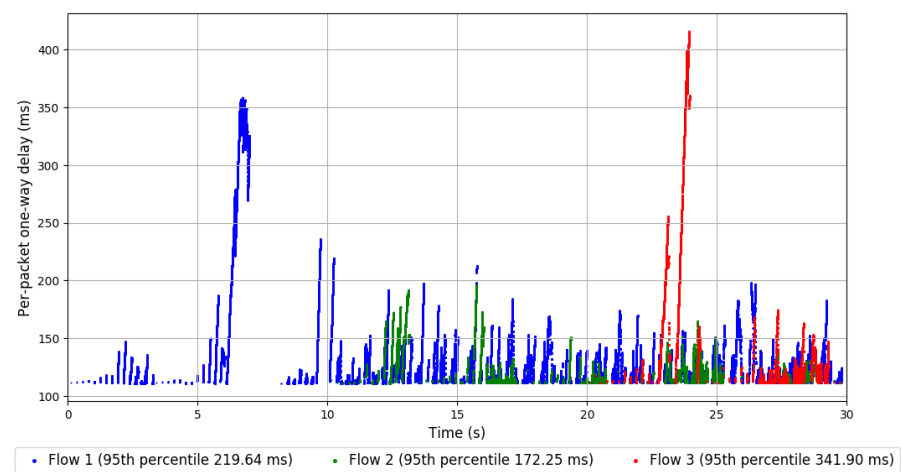
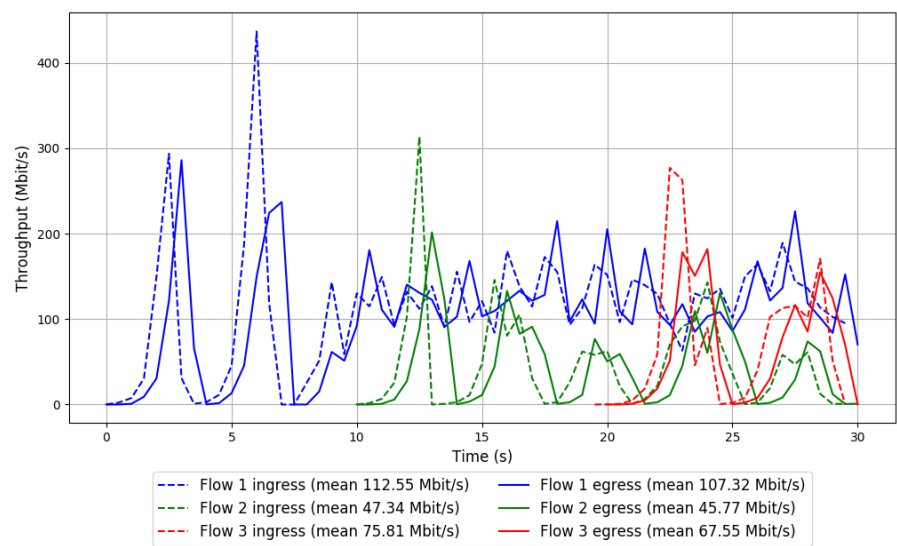


Run 4: Statistics of Verus

Start at: 2018-08-10 03:46:41
End at: 2018-08-10 03:47:11
Local clock offset: -0.111 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-08-10 09:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.46 Mbit/s
95th percentile per-packet one-way delay: 226.247 ms
Loss rate: 5.32%
-- Flow 1:
Average throughput: 107.32 Mbit/s
95th percentile per-packet one-way delay: 219.639 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 45.77 Mbit/s
95th percentile per-packet one-way delay: 172.252 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 67.55 Mbit/s
95th percentile per-packet one-way delay: 341.896 ms
Loss rate: 10.90%

Run 4: Report of Verus — Data Link

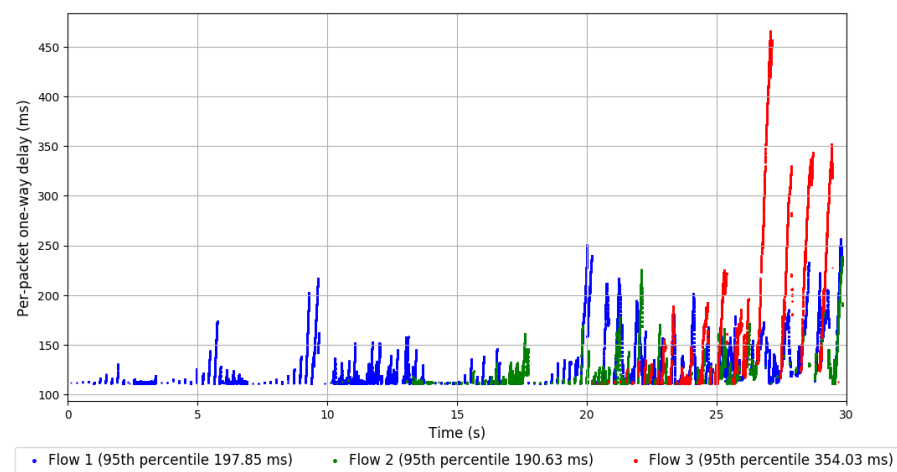
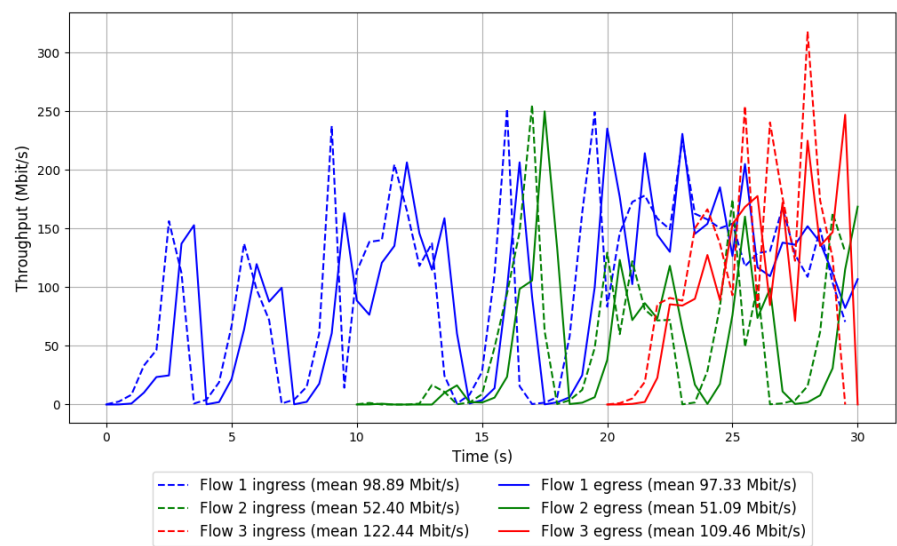


Run 5: Statistics of Verus

Start at: 2018-08-10 04:12:35
End at: 2018-08-10 04:13:05
Local clock offset: -0.203 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-08-10 09:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.22 Mbit/s
95th percentile per-packet one-way delay: 280.281 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 197.849 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 190.632 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 109.46 Mbit/s
95th percentile per-packet one-way delay: 354.029 ms
Loss rate: 10.59%

Run 5: Report of Verus — Data Link

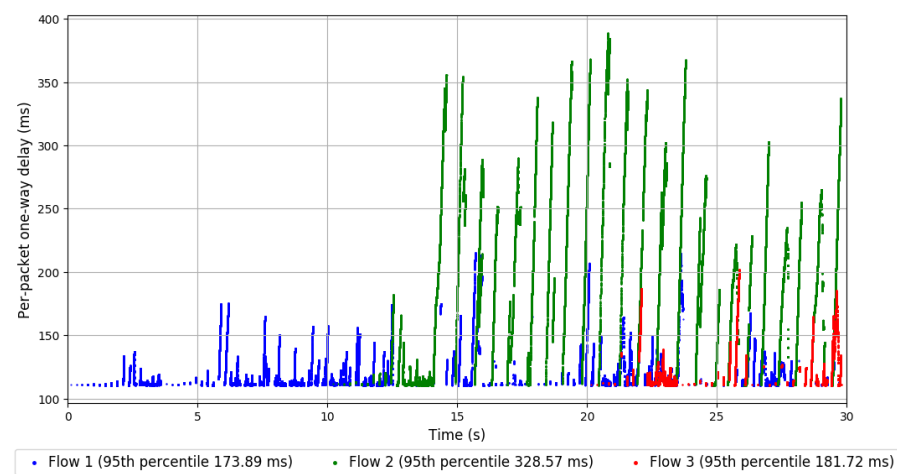
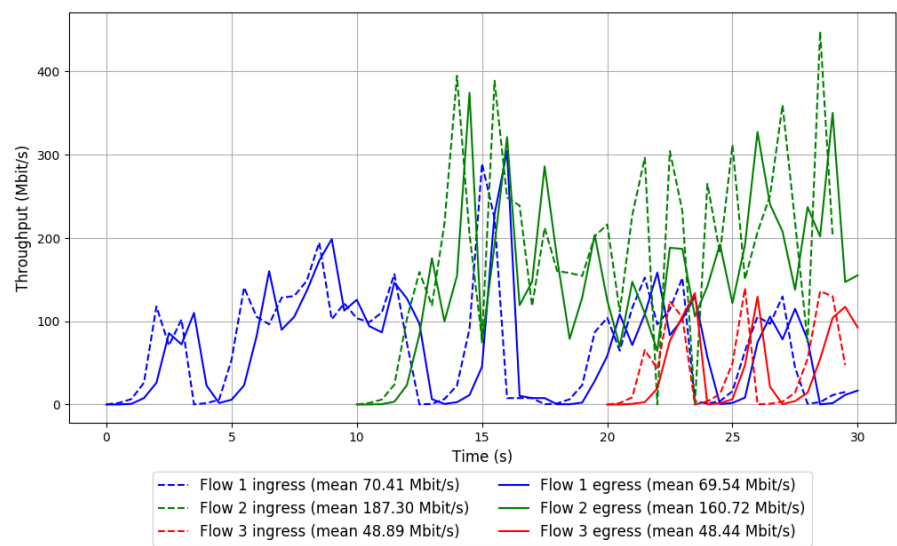


Run 6: Statistics of Verus

Start at: 2018-08-10 04:38:45
End at: 2018-08-10 04:39:15
Local clock offset: -0.555 ms
Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-08-10 09:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.10 Mbit/s
95th percentile per-packet one-way delay: 301.562 ms
Loss rate: 8.22%
-- Flow 1:
Average throughput: 69.54 Mbit/s
95th percentile per-packet one-way delay: 173.890 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 160.72 Mbit/s
95th percentile per-packet one-way delay: 328.573 ms
Loss rate: 13.19%
-- Flow 3:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 181.720 ms
Loss rate: 0.91%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-10 05:05:05

End at: 2018-08-10 05:05:35

Local clock offset: 0.465 ms

Remote clock offset: 0.691 ms

Below is generated by plot.py at 2018-08-10 09:04:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 243.15 Mbit/s

95th percentile per-packet one-way delay: 240.435 ms

Loss rate: 2.76%

-- Flow 1:

Average throughput: 151.73 Mbit/s

95th percentile per-packet one-way delay: 230.572 ms

Loss rate: 2.66%

-- Flow 2:

Average throughput: 83.15 Mbit/s

95th percentile per-packet one-way delay: 177.050 ms

Loss rate: 0.83%

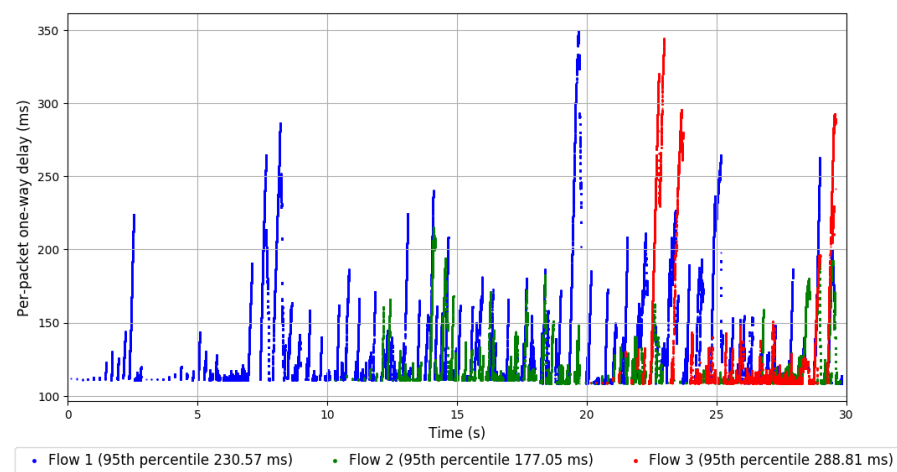
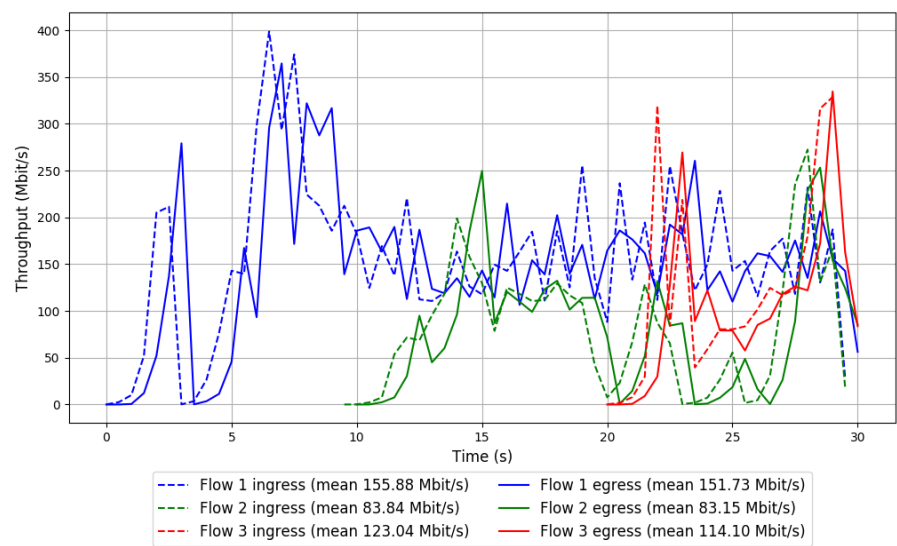
-- Flow 3:

Average throughput: 114.10 Mbit/s

95th percentile per-packet one-way delay: 288.807 ms

Loss rate: 5.95%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-10 05:31:45

End at: 2018-08-10 05:32:15

Local clock offset: -0.383 ms

Remote clock offset: 0.553 ms

Below is generated by plot.py at 2018-08-10 09:06:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.17 Mbit/s

95th percentile per-packet one-way delay: 185.036 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 191.97 Mbit/s

95th percentile per-packet one-way delay: 191.189 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 150.25 Mbit/s

95th percentile per-packet one-way delay: 172.056 ms

Loss rate: 0.22%

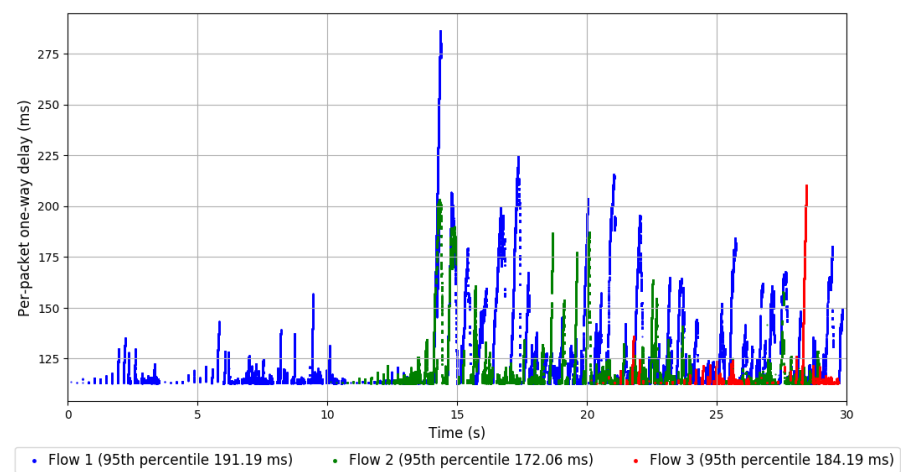
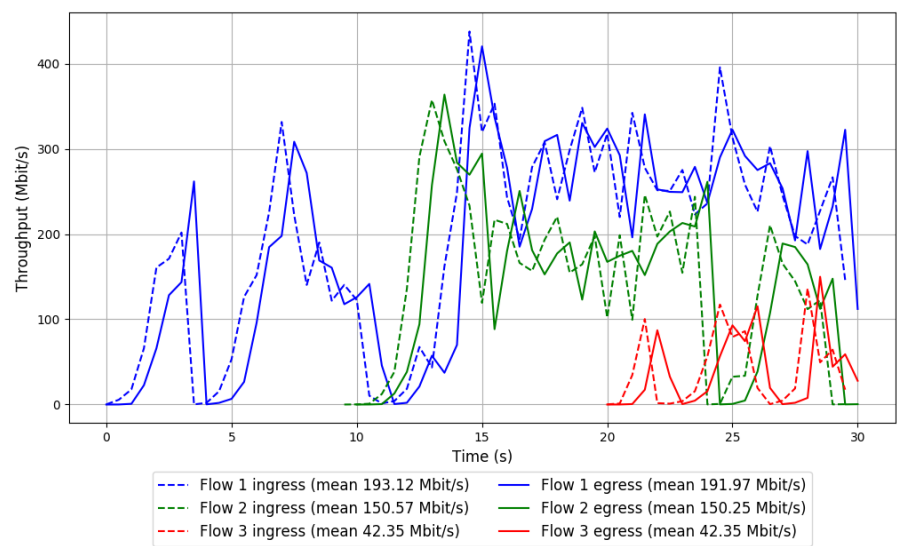
-- Flow 3:

Average throughput: 42.35 Mbit/s

95th percentile per-packet one-way delay: 184.193 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

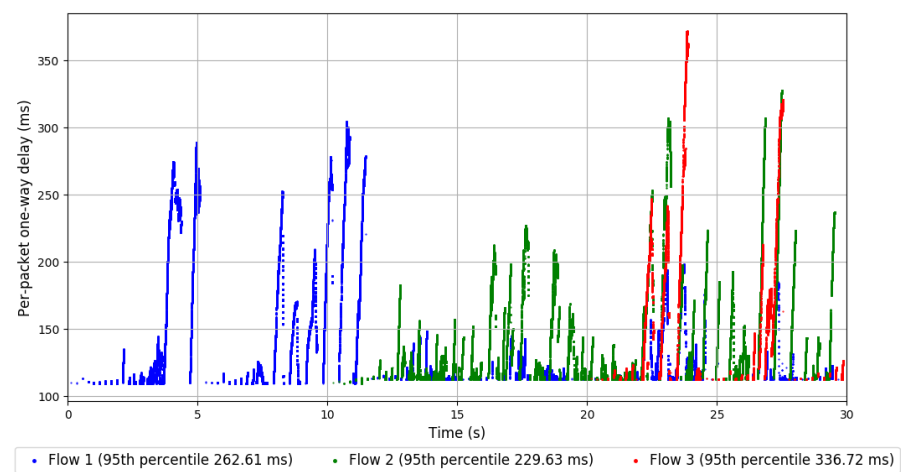
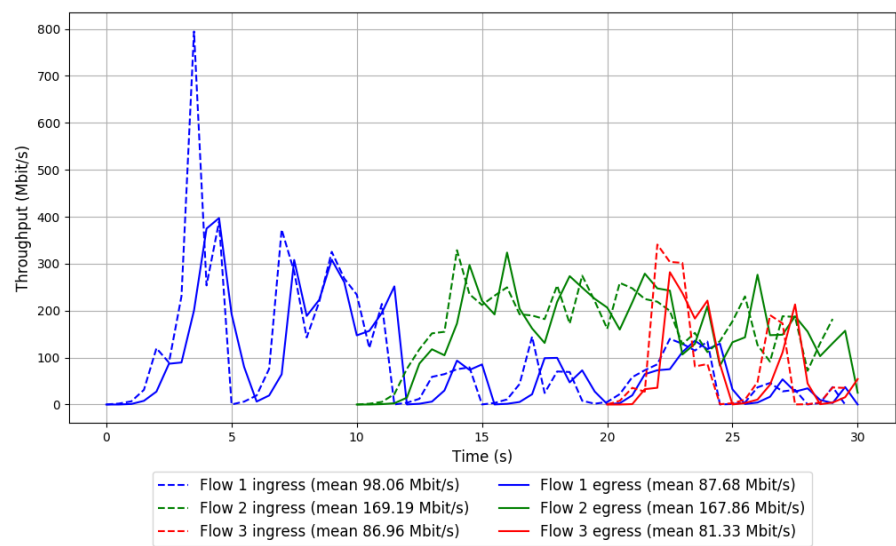


Run 9: Statistics of Verus

Start at: 2018-08-10 05:57:52
End at: 2018-08-10 05:58:22
Local clock offset: -0.307 ms
Remote clock offset: 0.669 ms

Below is generated by plot.py at 2018-08-10 09:06:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.18 Mbit/s
95th percentile per-packet one-way delay: 264.305 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 87.68 Mbit/s
95th percentile per-packet one-way delay: 262.612 ms
Loss rate: 10.58%
-- Flow 2:
Average throughput: 167.86 Mbit/s
95th percentile per-packet one-way delay: 229.629 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 336.724 ms
Loss rate: 6.37%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-10 06:24:27

End at: 2018-08-10 06:24:57

Local clock offset: 0.143 ms

Remote clock offset: 0.463 ms

Below is generated by plot.py at 2018-08-10 09:06:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 277.73 Mbit/s

95th percentile per-packet one-way delay: 201.333 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 178.42 Mbit/s

95th percentile per-packet one-way delay: 202.838 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 124.47 Mbit/s

95th percentile per-packet one-way delay: 169.016 ms

Loss rate: 0.77%

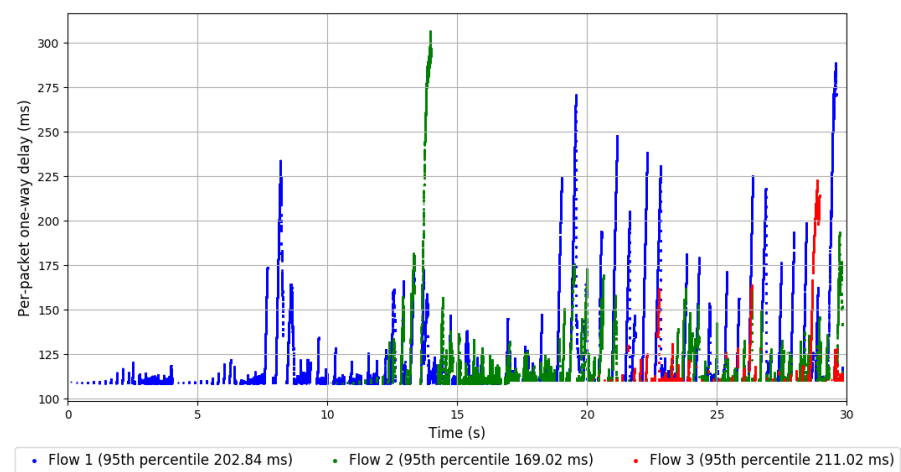
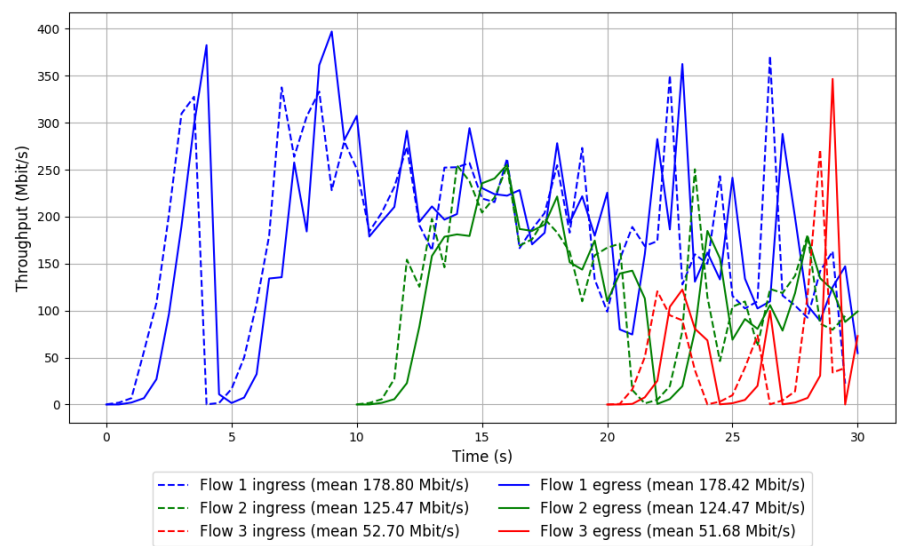
-- Flow 3:

Average throughput: 51.68 Mbit/s

95th percentile per-packet one-way delay: 211.017 ms

Loss rate: 1.94%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-10 02:42:29

End at: 2018-08-10 02:42:59

Local clock offset: -0.134 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-08-10 09:08:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 343.93 Mbit/s

95th percentile per-packet one-way delay: 358.637 ms

Loss rate: 4.18%

-- Flow 1:

Average throughput: 160.06 Mbit/s

95th percentile per-packet one-way delay: 346.642 ms

Loss rate: 4.78%

-- Flow 2:

Average throughput: 230.12 Mbit/s

95th percentile per-packet one-way delay: 373.476 ms

Loss rate: 4.57%

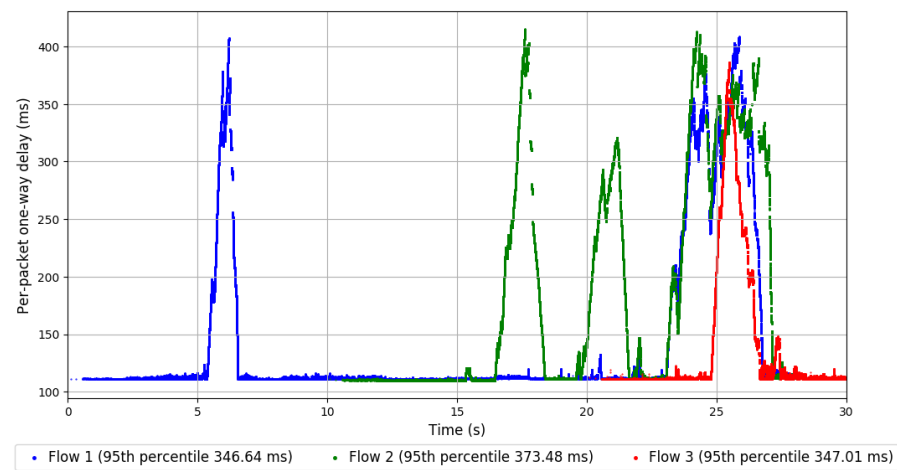
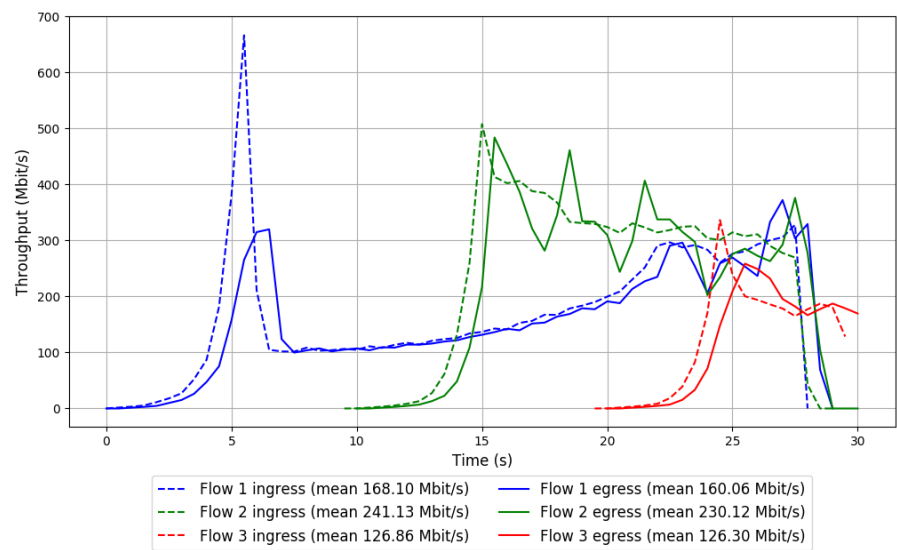
-- Flow 3:

Average throughput: 126.30 Mbit/s

95th percentile per-packet one-way delay: 347.009 ms

Loss rate: 0.45%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-10 03:08:25

End at: 2018-08-10 03:08:55

Local clock offset: -0.149 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2018-08-10 09:08:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 326.09 Mbit/s

95th percentile per-packet one-way delay: 197.177 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 163.40 Mbit/s

95th percentile per-packet one-way delay: 130.635 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 178.81 Mbit/s

95th percentile per-packet one-way delay: 207.703 ms

Loss rate: 0.00%

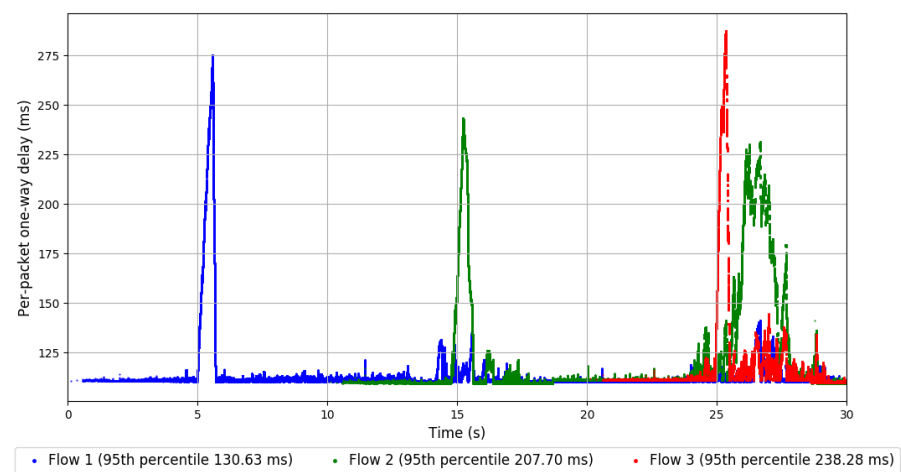
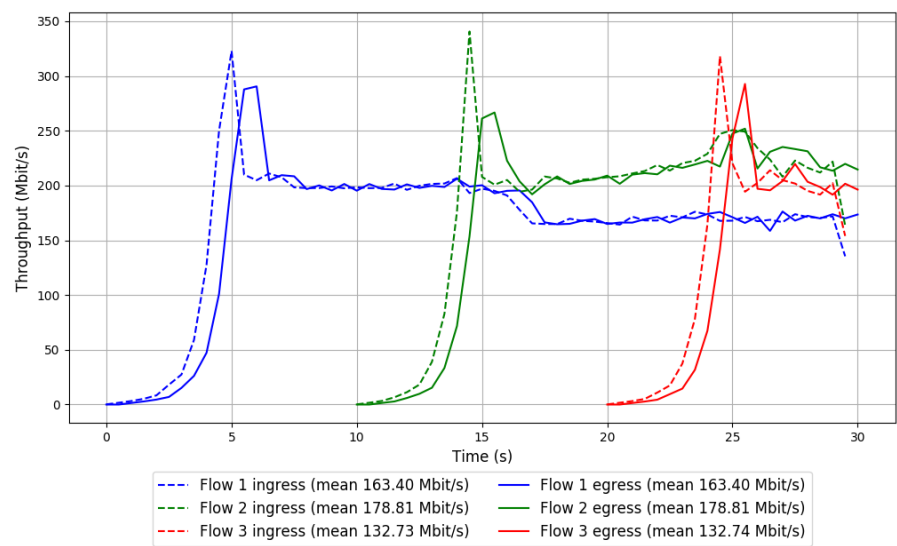
-- Flow 3:

Average throughput: 132.74 Mbit/s

95th percentile per-packet one-way delay: 238.277 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

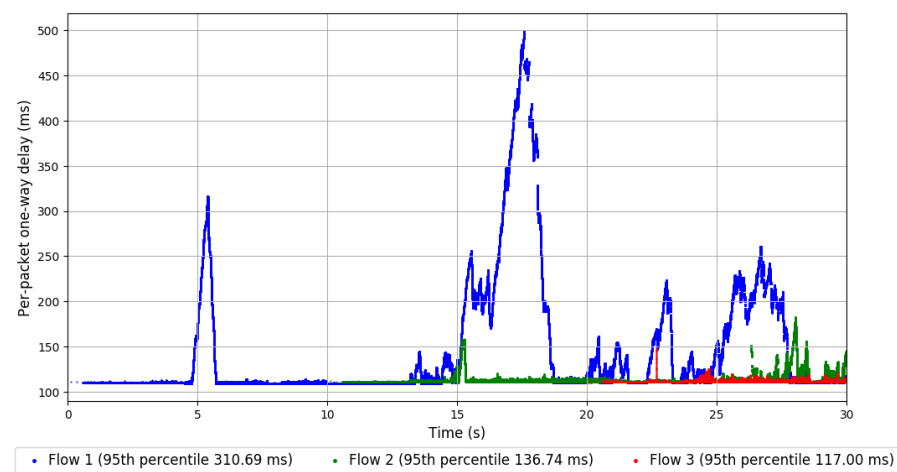
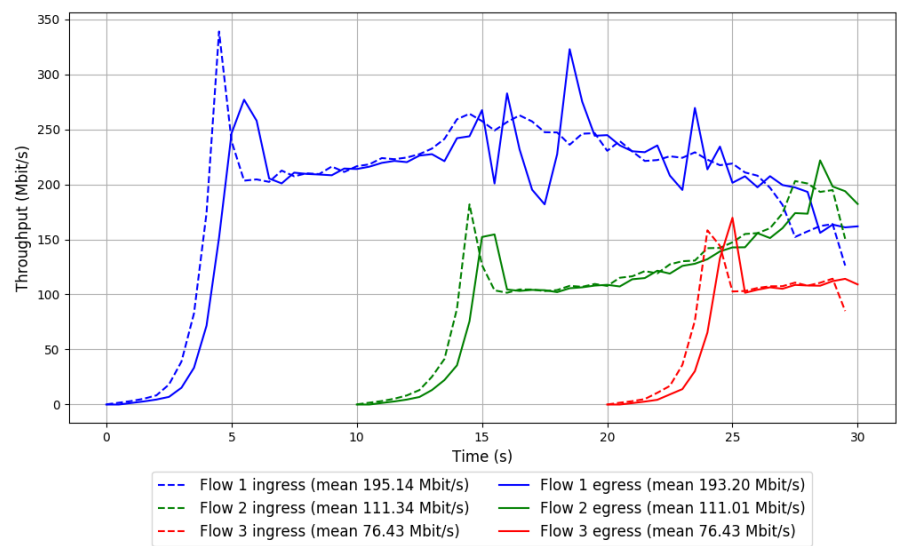


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-10 03:34:29
End at: 2018-08-10 03:34:59
Local clock offset: -0.104 ms
Remote clock offset: -0.659 ms

Below is generated by plot.py at 2018-08-10 09:08:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.24 Mbit/s
95th percentile per-packet one-way delay: 254.974 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 193.20 Mbit/s
95th percentile per-packet one-way delay: 310.691 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 111.01 Mbit/s
95th percentile per-packet one-way delay: 136.743 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 116.995 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

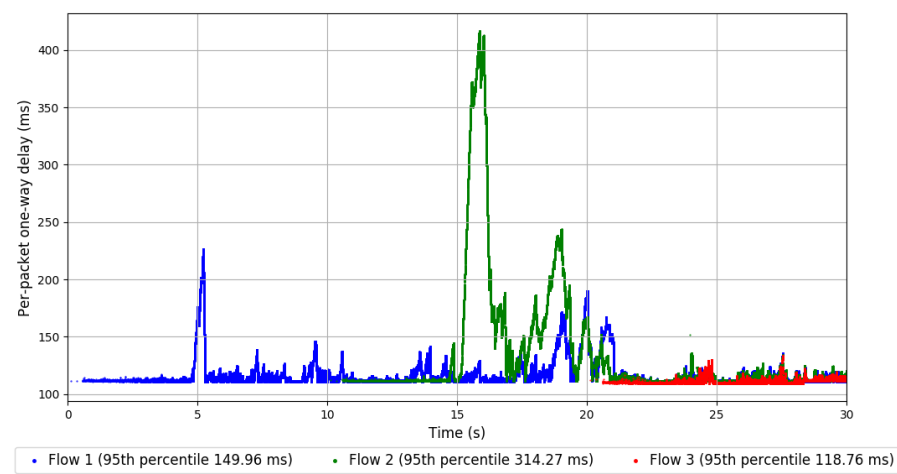
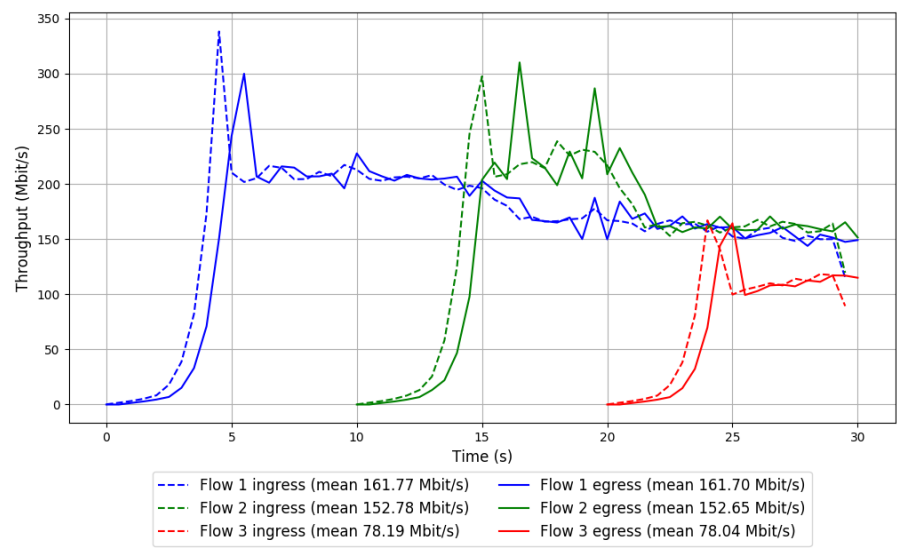


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-10 04:00:35
End at: 2018-08-10 04:01:05
Local clock offset: -0.285 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-08-10 09:09:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.95 Mbit/s
95th percentile per-packet one-way delay: 190.116 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 161.70 Mbit/s
95th percentile per-packet one-way delay: 149.960 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 152.65 Mbit/s
95th percentile per-packet one-way delay: 314.269 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 78.04 Mbit/s
95th percentile per-packet one-way delay: 118.761 ms
Loss rate: 0.19%

Run 4: Report of PCC-Vivace — Data Link

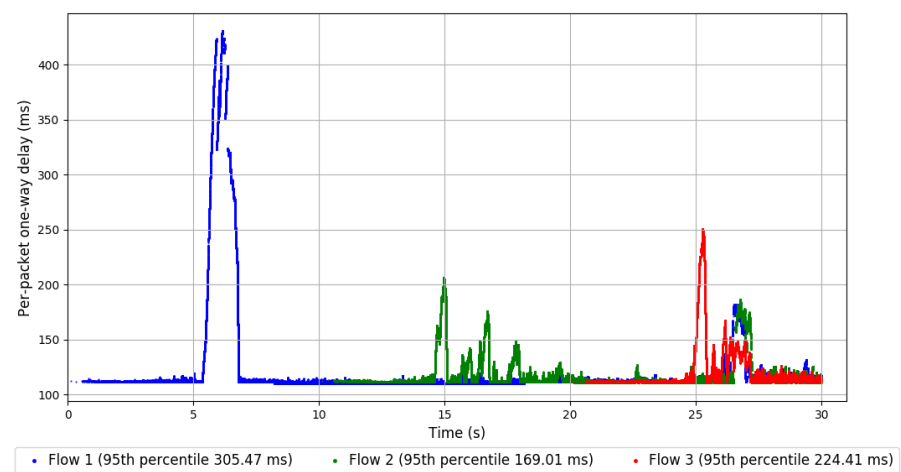
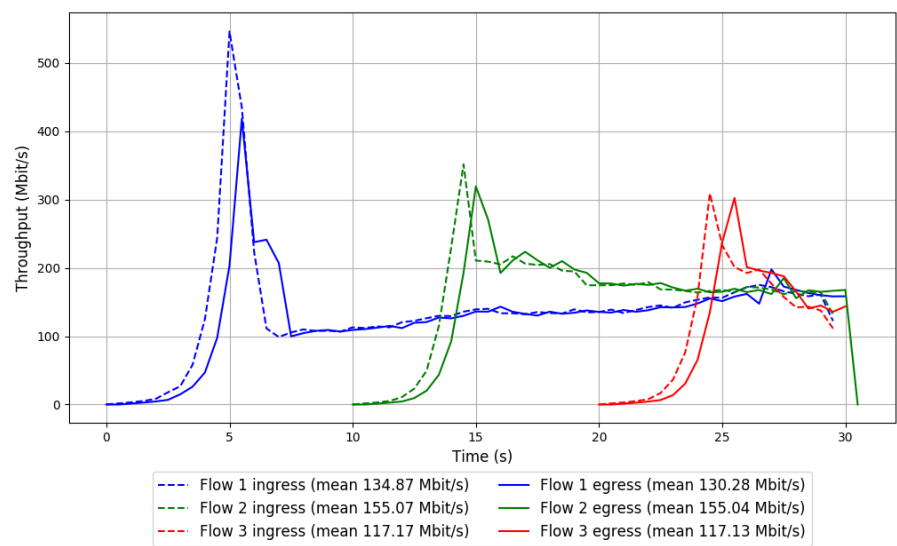


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-10 04:26:35
End at: 2018-08-10 04:27:05
Local clock offset: -0.559 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-10 09:09:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.96 Mbit/s
95th percentile per-packet one-way delay: 193.653 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 130.28 Mbit/s
95th percentile per-packet one-way delay: 305.468 ms
Loss rate: 3.39%
-- Flow 2:
Average throughput: 155.04 Mbit/s
95th percentile per-packet one-way delay: 169.014 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.13 Mbit/s
95th percentile per-packet one-way delay: 224.410 ms
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

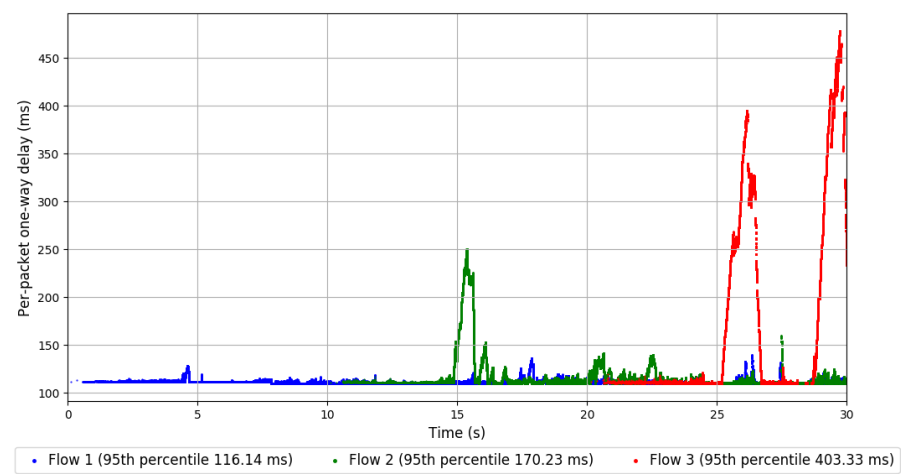
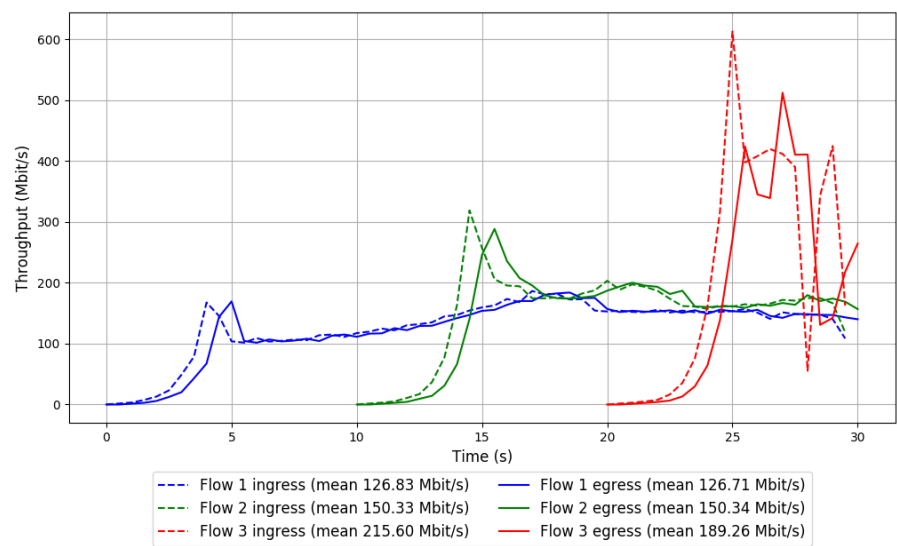


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-10 04:52:48
End at: 2018-08-10 04:53:18
Local clock offset: 0.949 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-08-10 09:10:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.05 Mbit/s
95th percentile per-packet one-way delay: 261.083 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 126.71 Mbit/s
95th percentile per-packet one-way delay: 116.136 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 150.34 Mbit/s
95th percentile per-packet one-way delay: 170.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 189.26 Mbit/s
95th percentile per-packet one-way delay: 403.327 ms
Loss rate: 12.22%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-10 05:19:22

End at: 2018-08-10 05:19:52

Local clock offset: -0.285 ms

Remote clock offset: 0.425 ms

Below is generated by plot.py at 2018-08-10 09:11:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 353.65 Mbit/s

95th percentile per-packet one-way delay: 122.486 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 183.09 Mbit/s

95th percentile per-packet one-way delay: 152.729 ms

Loss rate: 1.63%

-- Flow 2:

Average throughput: 191.29 Mbit/s

95th percentile per-packet one-way delay: 119.737 ms

Loss rate: 0.00%

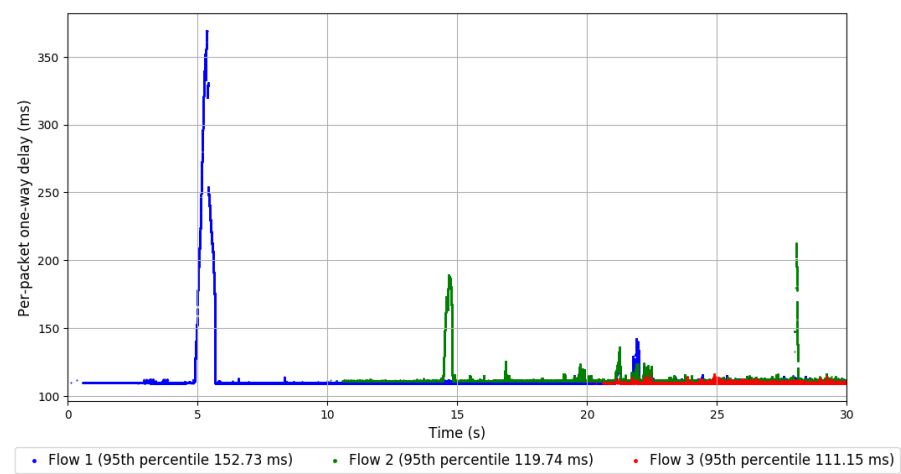
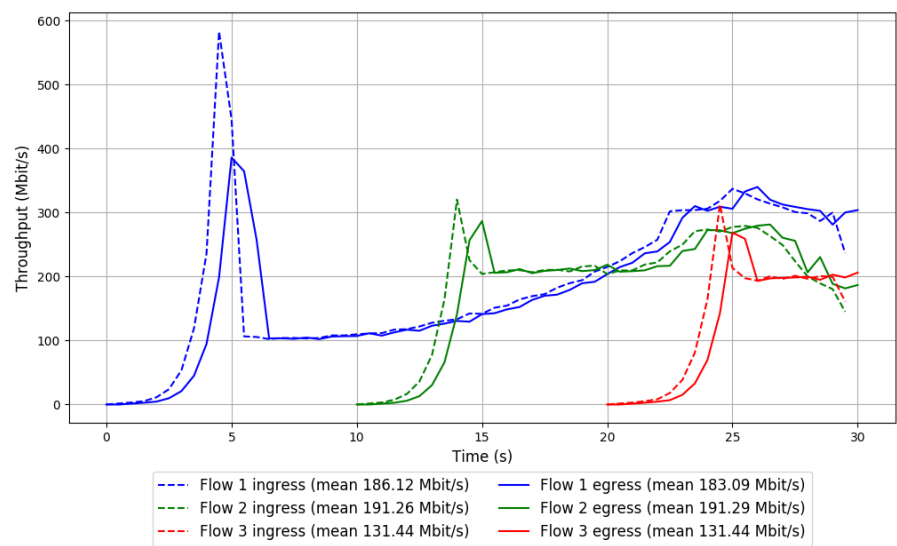
-- Flow 3:

Average throughput: 131.44 Mbit/s

95th percentile per-packet one-way delay: 111.152 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-10 05:45:47

End at: 2018-08-10 05:46:17

Local clock offset: 0.144 ms

Remote clock offset: 0.572 ms

Below is generated by plot.py at 2018-08-10 09:12:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 445.46 Mbit/s

95th percentile per-packet one-way delay: 198.073 ms

Loss rate: 1.70%

-- Flow 1:

Average throughput: 294.55 Mbit/s

95th percentile per-packet one-way delay: 193.551 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 184.88 Mbit/s

95th percentile per-packet one-way delay: 137.162 ms

Loss rate: 0.00%

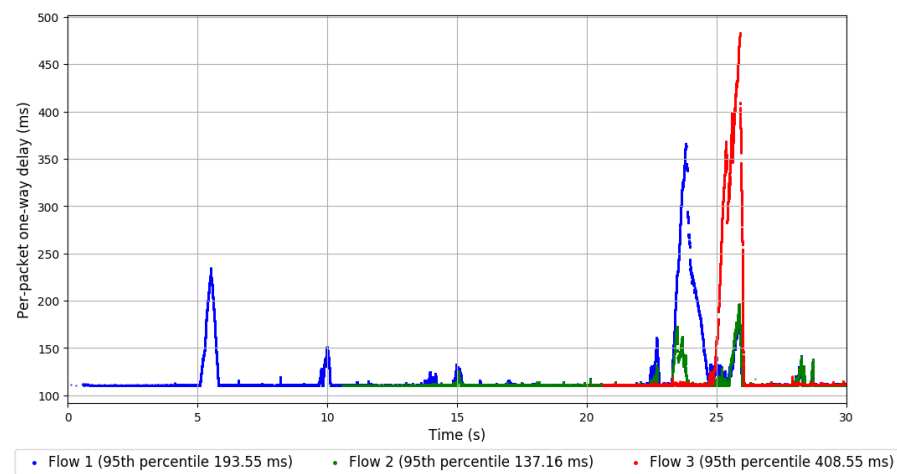
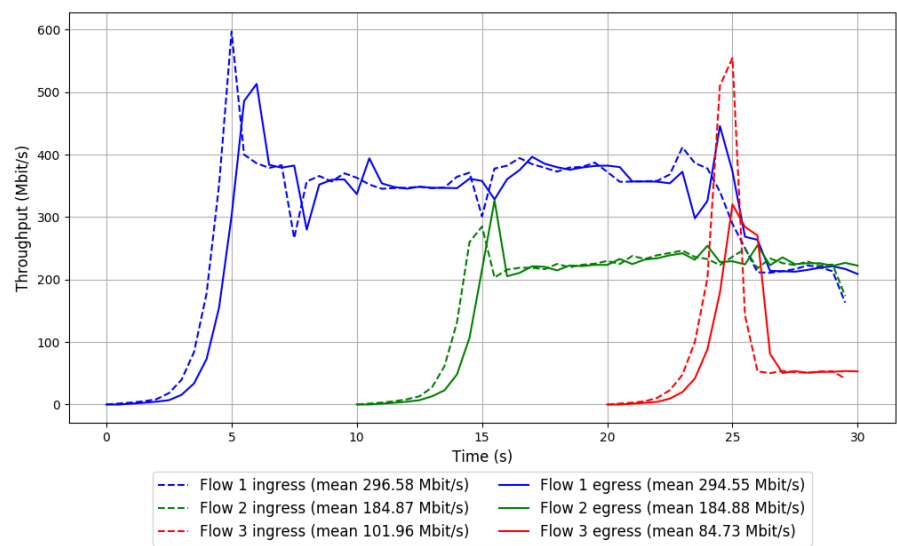
-- Flow 3:

Average throughput: 84.73 Mbit/s

95th percentile per-packet one-way delay: 408.548 ms

Loss rate: 16.89%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-10 06:11:46

End at: 2018-08-10 06:12:16

Local clock offset: 0.078 ms

Remote clock offset: 0.76 ms

Below is generated by plot.py at 2018-08-10 09:12:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 540.87 Mbit/s

95th percentile per-packet one-way delay: 148.922 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 326.76 Mbit/s

95th percentile per-packet one-way delay: 132.781 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 254.34 Mbit/s

95th percentile per-packet one-way delay: 169.426 ms

Loss rate: 0.03%

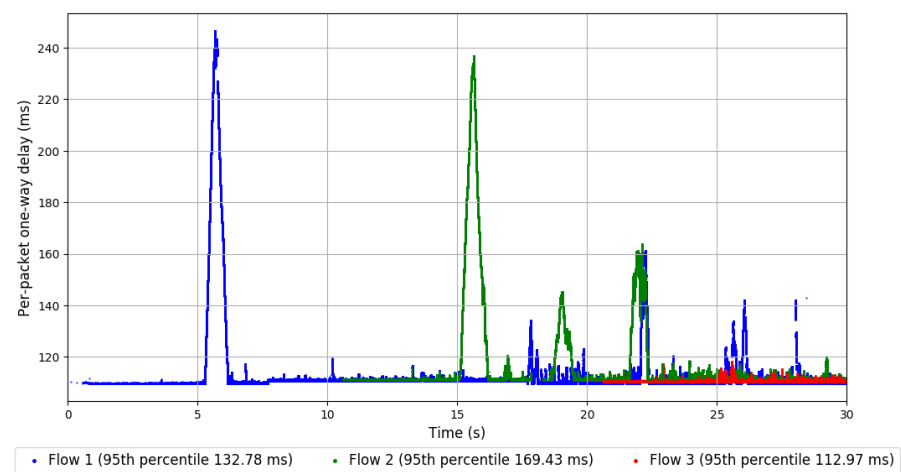
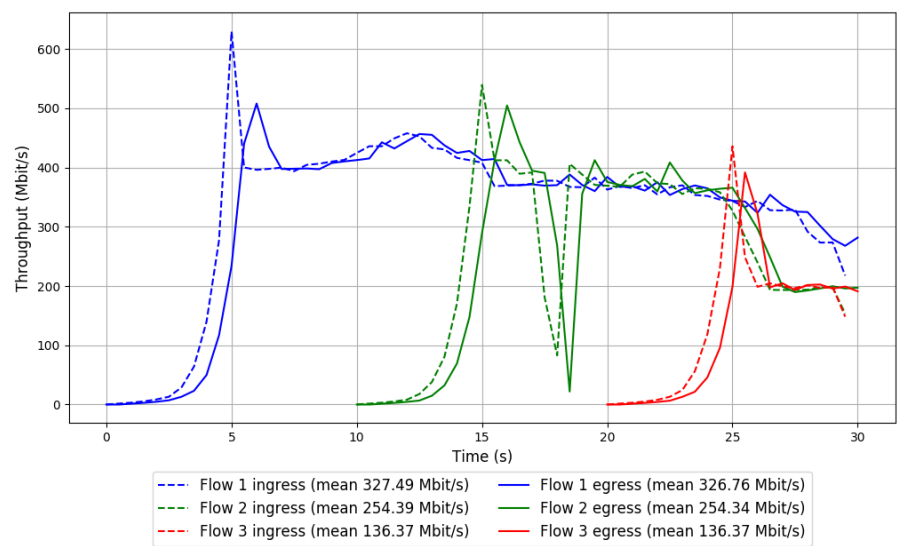
-- Flow 3:

Average throughput: 136.37 Mbit/s

95th percentile per-packet one-way delay: 112.974 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-10 06:40:25

End at: 2018-08-10 06:40:55

Local clock offset: -0.894 ms

Remote clock offset: 0.679 ms

Below is generated by plot.py at 2018-08-10 09:12:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 418.73 Mbit/s

95th percentile per-packet one-way delay: 186.086 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 315.86 Mbit/s

95th percentile per-packet one-way delay: 220.902 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 91.58 Mbit/s

95th percentile per-packet one-way delay: 112.934 ms

Loss rate: 0.00%

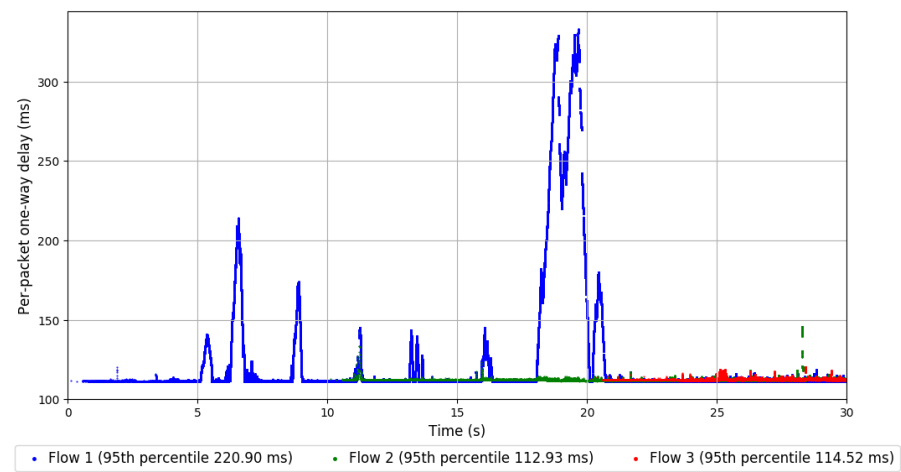
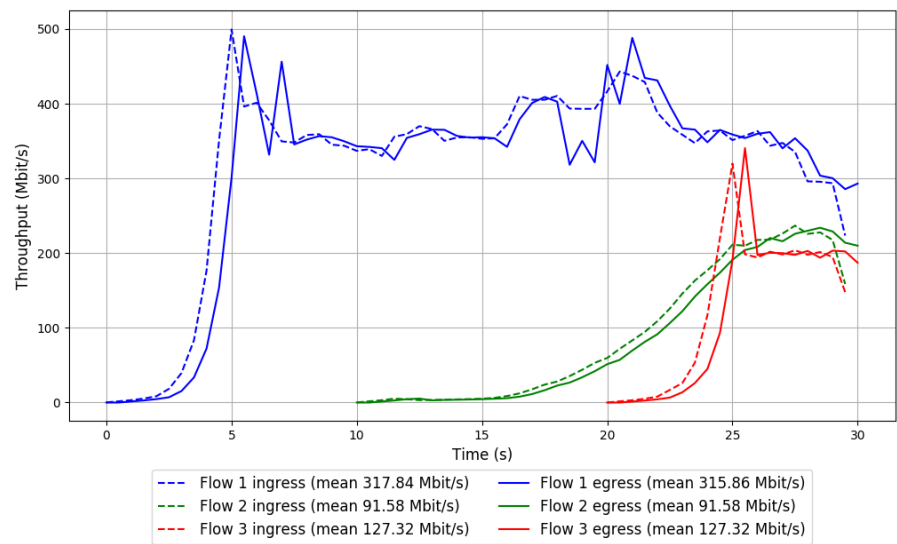
-- Flow 3:

Average throughput: 127.32 Mbit/s

95th percentile per-packet one-way delay: 114.523 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-10 02:33:23

End at: 2018-08-10 02:33:53

Local clock offset: -0.296 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-08-10 09:12:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 112.764 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 112.221 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 112.984 ms

Loss rate: 0.00%

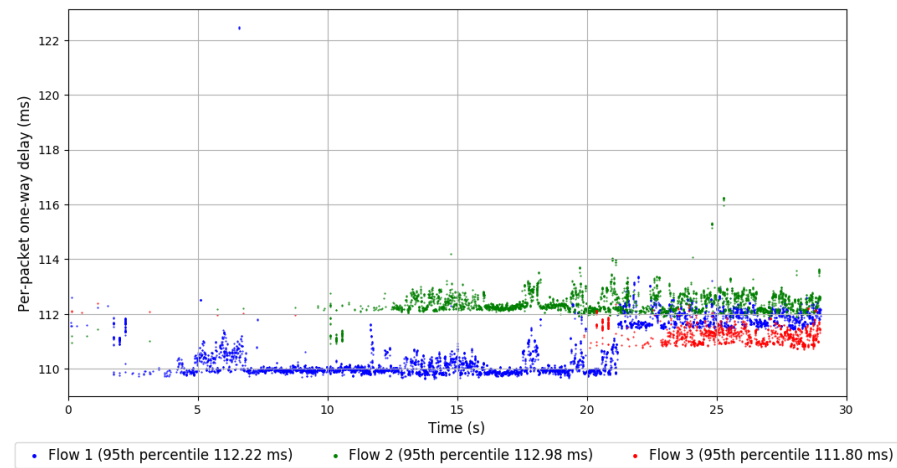
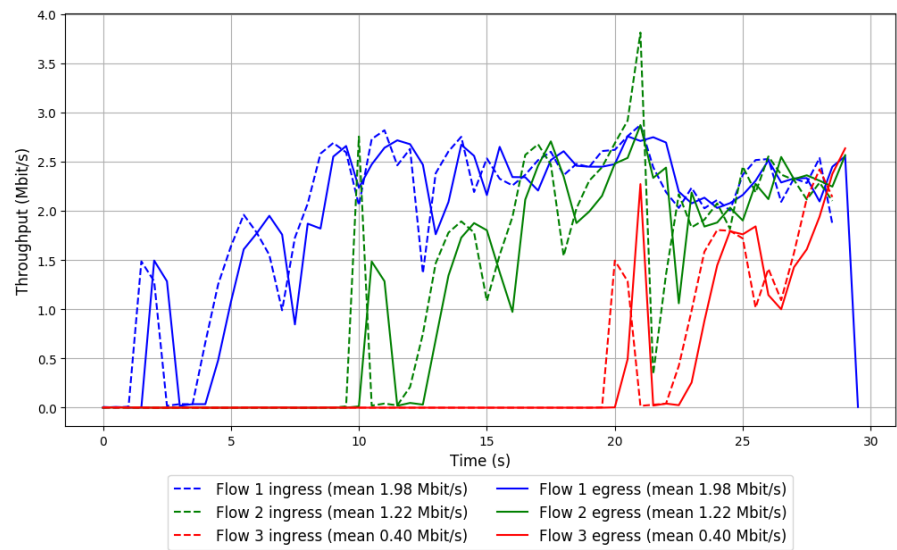
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 111.796 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

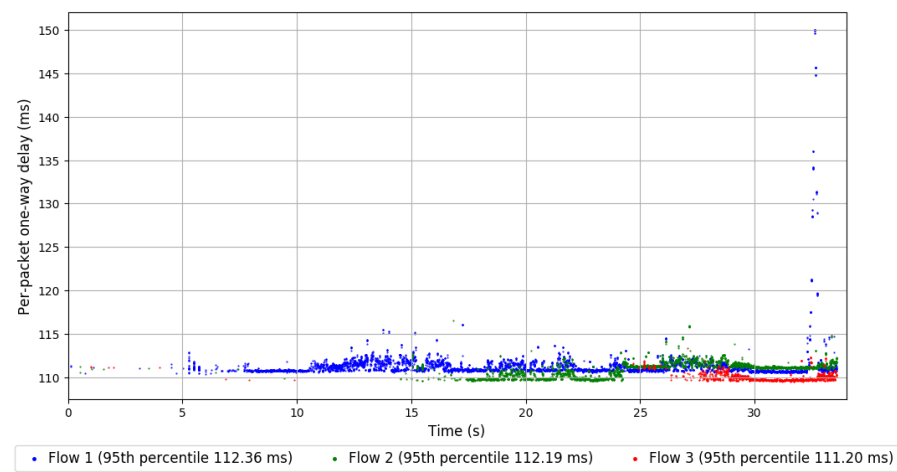
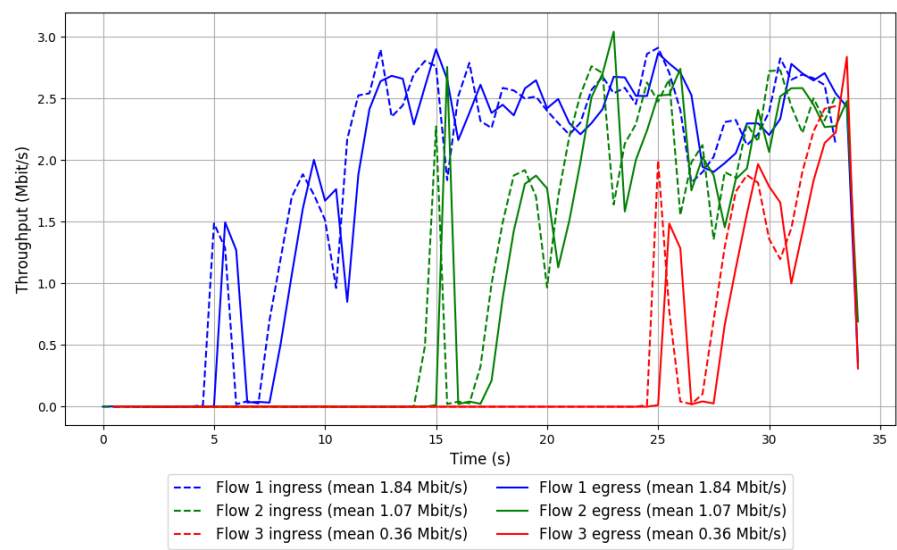


Run 2: Statistics of WebRTC media

Start at: 2018-08-10 02:59:43
End at: 2018-08-10 03:00:13
Local clock offset: -0.512 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-08-10 09:12:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 112.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 112.363 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 112.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 111.198 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-10 03:25:42

End at: 2018-08-10 03:26:12

Local clock offset: -0.163 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-08-10 09:12:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 113.370 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 113.477 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 113.040 ms

Loss rate: 0.00%

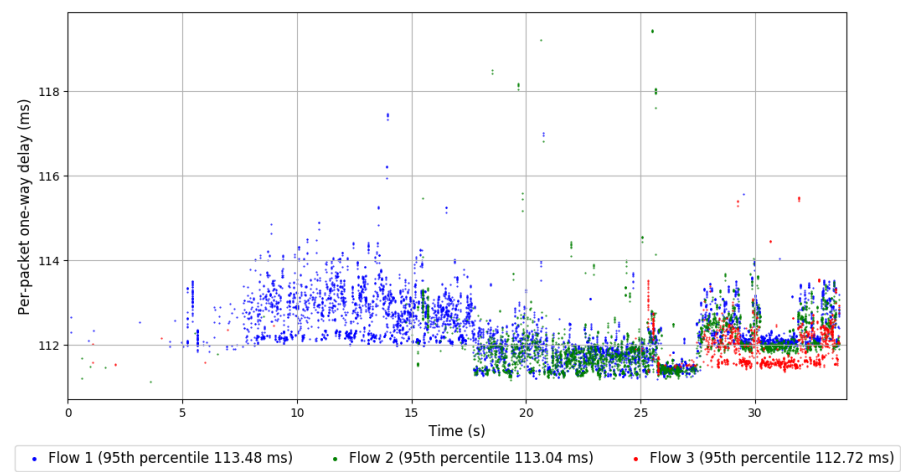
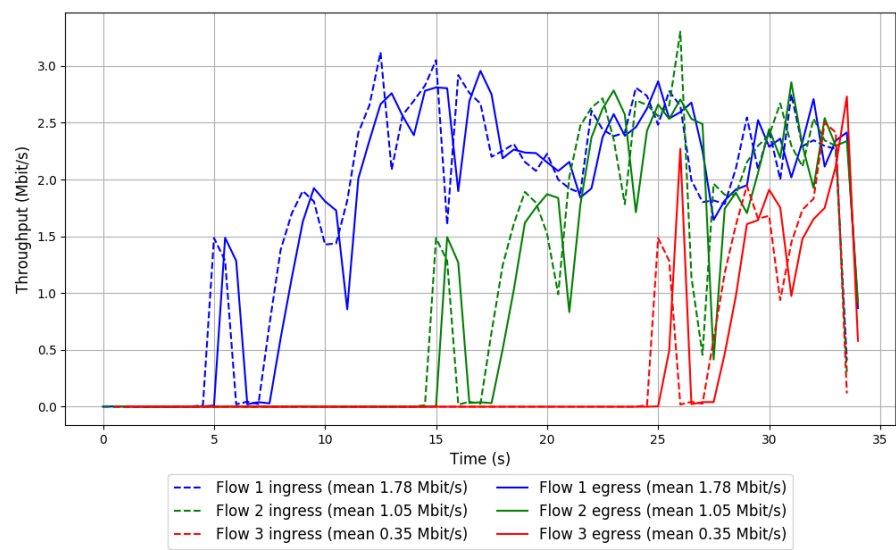
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 112.723 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

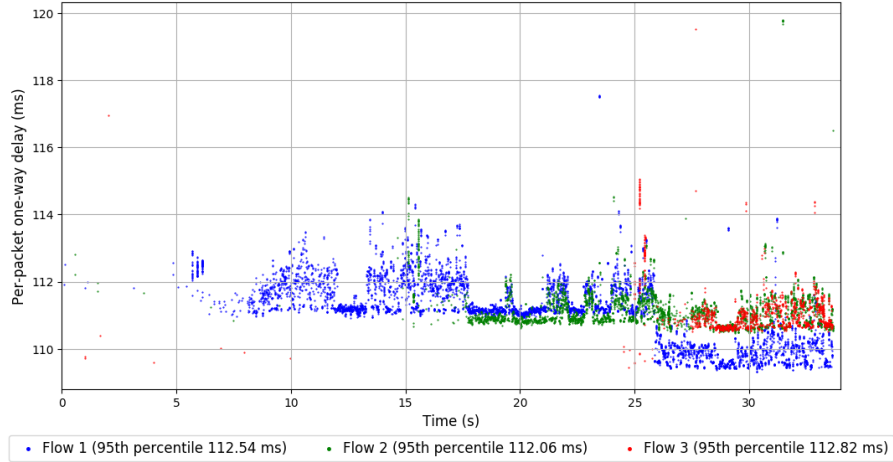
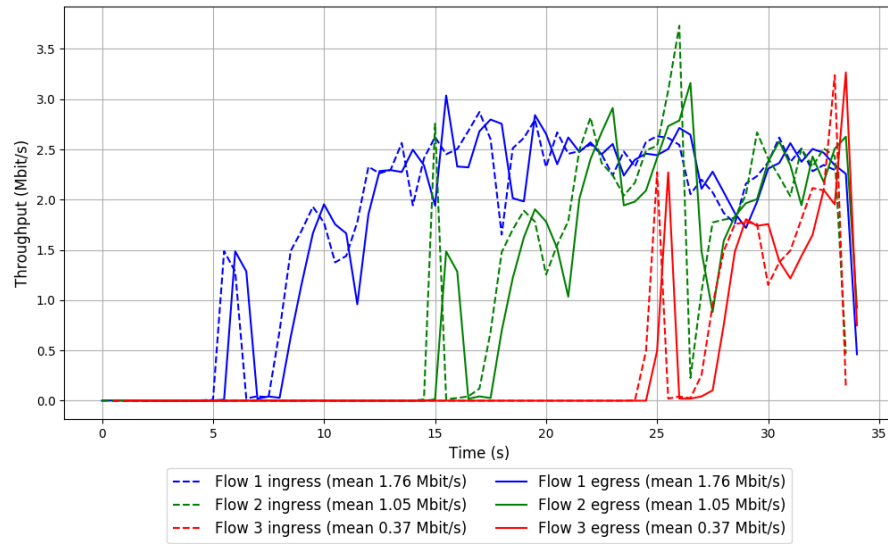


Run 4: Statistics of WebRTC media

Start at: 2018-08-10 03:51:51
End at: 2018-08-10 03:52:21
Local clock offset: -0.294 ms
Remote clock offset: -0.508 ms

Below is generated by plot.py at 2018-08-10 09:12:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 112.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 112.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 112.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 112.821 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-10 04:17:37

End at: 2018-08-10 04:18:07

Local clock offset: -0.057 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-08-10 09:12:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 112.770 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 112.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 112.734 ms

Loss rate: 0.00%

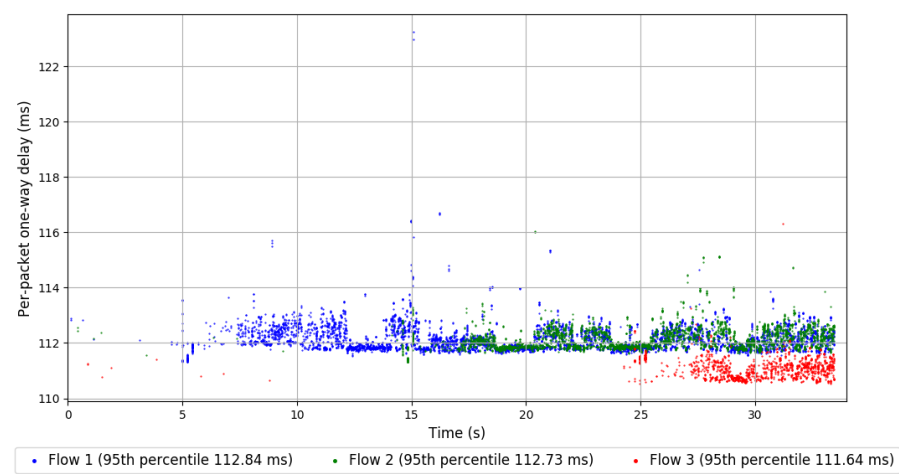
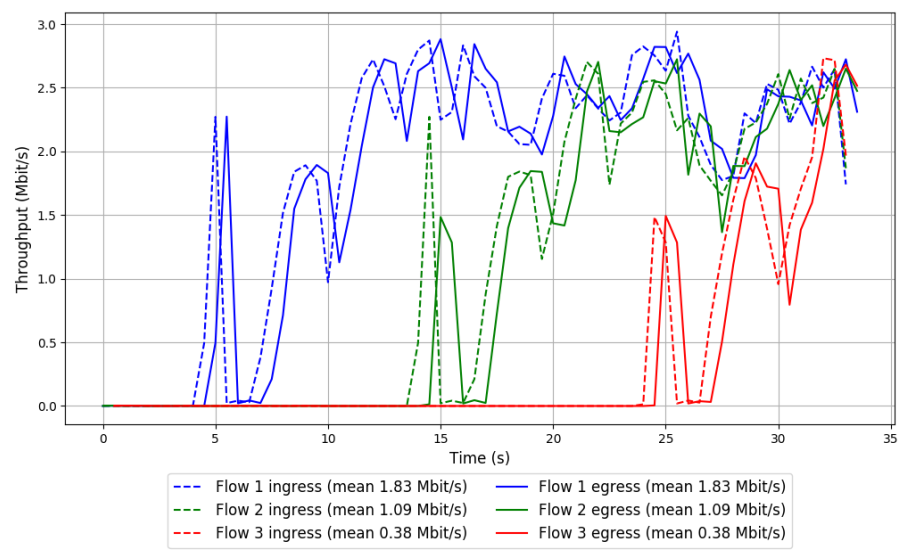
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 111.643 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-10 04:43:54

End at: 2018-08-10 04:44:24

Local clock offset: -0.763 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-08-10 09:12:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 114.008 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 114.219 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 112.569 ms

Loss rate: 0.00%

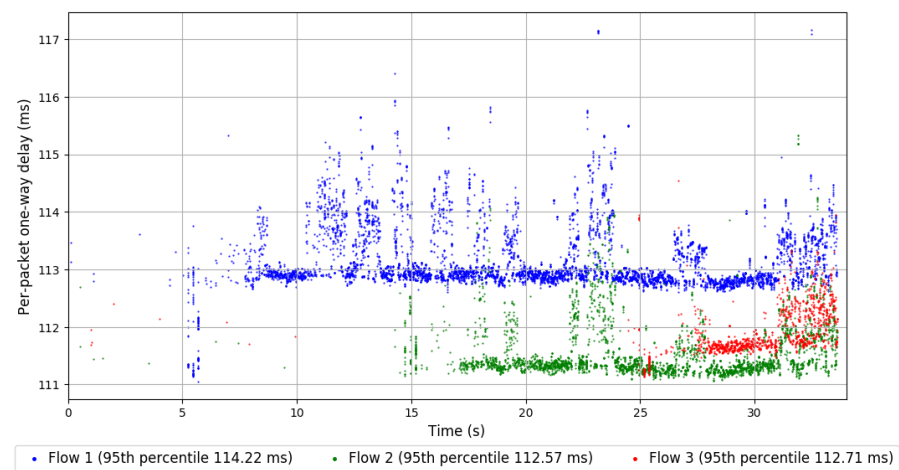
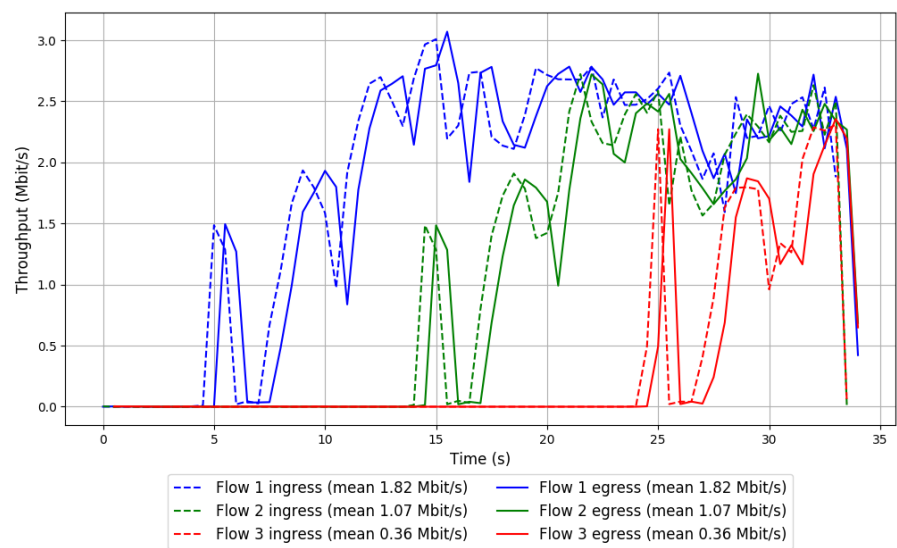
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 112.708 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-10 05:10:26

End at: 2018-08-10 05:10:56

Local clock offset: -0.081 ms

Remote clock offset: 0.772 ms

Below is generated by plot.py at 2018-08-10 09:12:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 112.223 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 112.082 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 111.717 ms

Loss rate: 0.00%

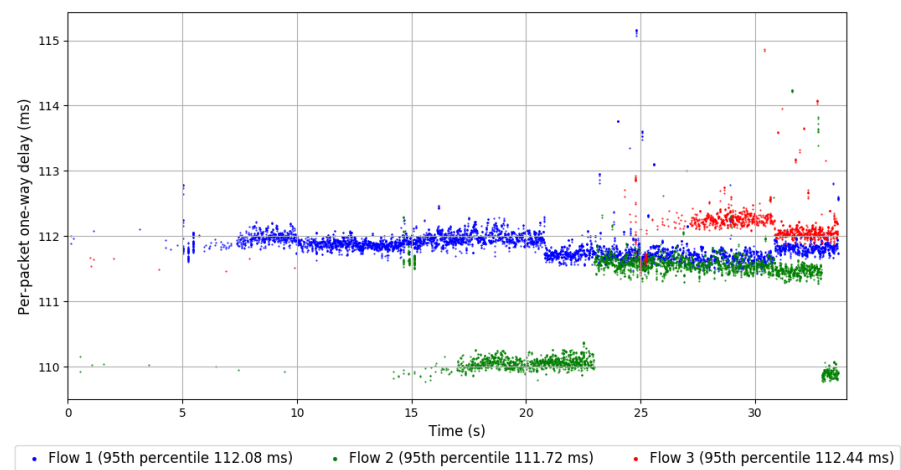
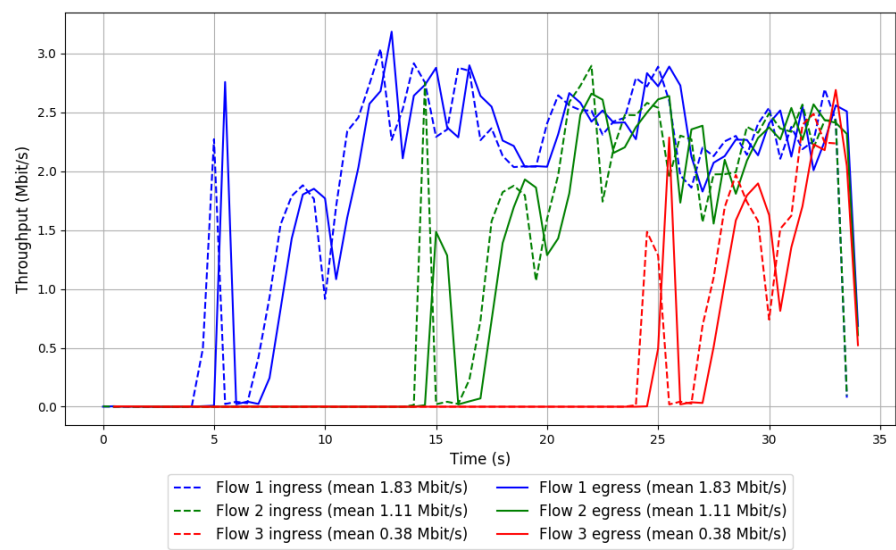
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 112.442 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-10 05:37:13

End at: 2018-08-10 05:37:43

Local clock offset: -1.412 ms

Remote clock offset: 0.56 ms

Below is generated by plot.py at 2018-08-10 09:12:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 113.324 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 111.833 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 113.559 ms

Loss rate: 0.00%

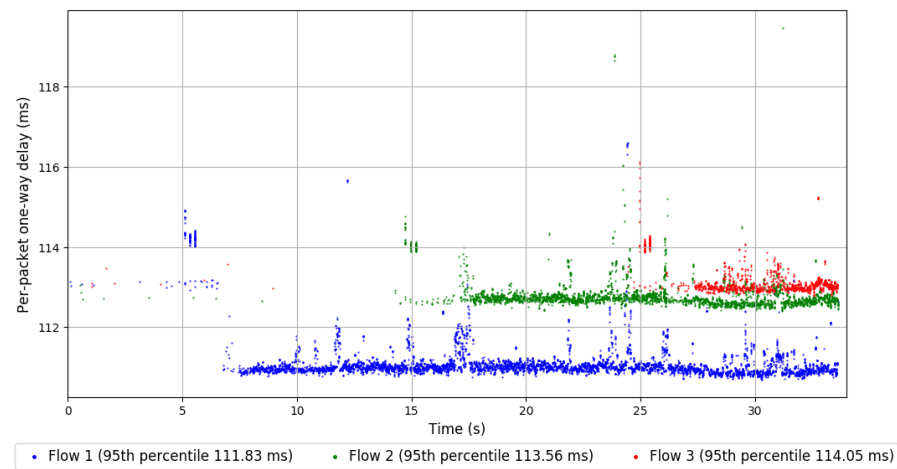
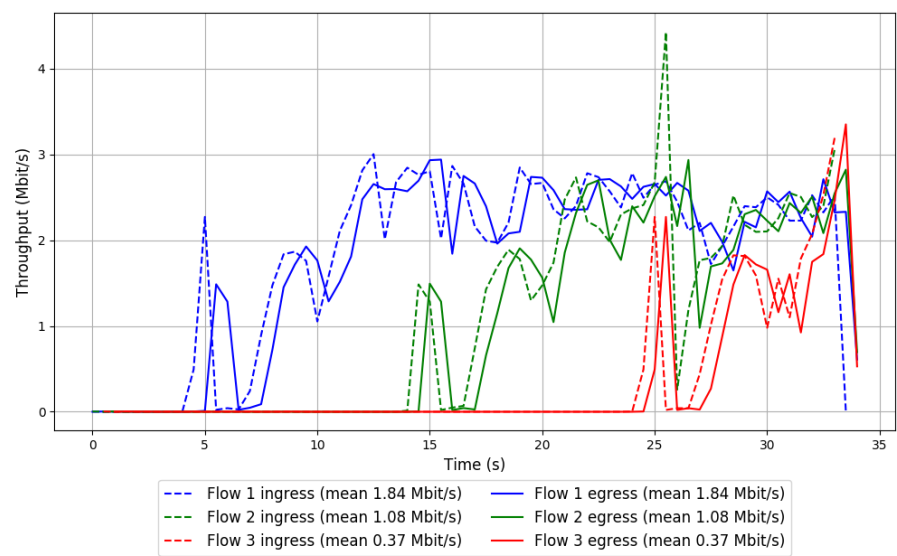
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 114.053 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-10 06:03:16

End at: 2018-08-10 06:03:46

Local clock offset: 1.292 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2018-08-10 09:12:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 111.065 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 111.278 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 110.525 ms

Loss rate: 0.00%

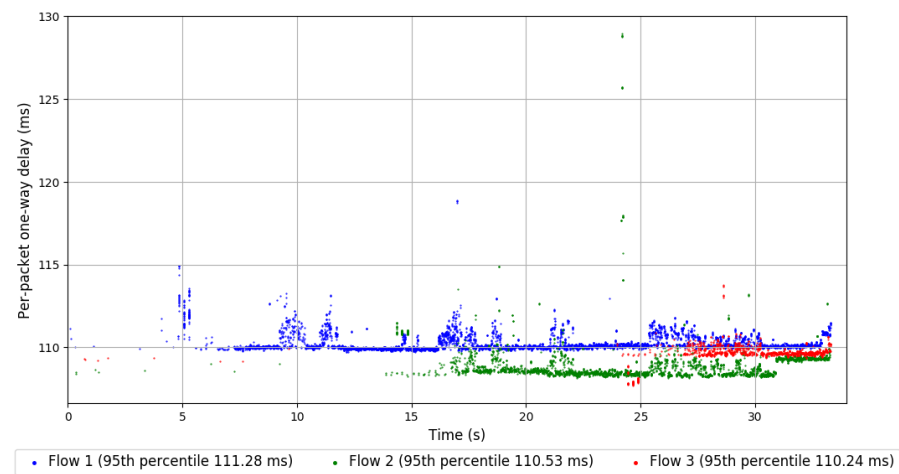
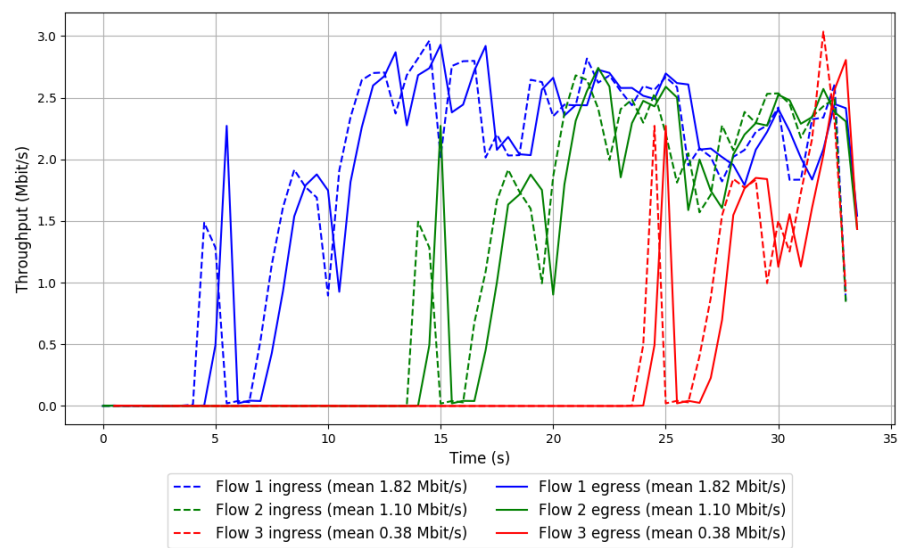
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 110.243 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-10 06:30:19

End at: 2018-08-10 06:30:49

Local clock offset: -0.193 ms

Remote clock offset: 0.854 ms

Below is generated by plot.py at 2018-08-10 09:12:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 111.622 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 111.689 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 111.562 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 111.273 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

