

Pantheon Report

Generated at 2018-08-10 23:53:29 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

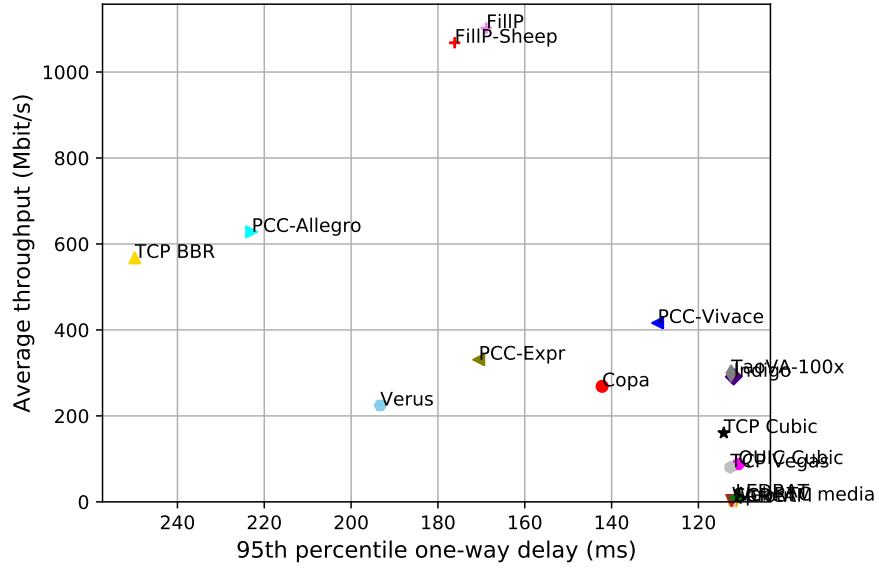
System info:

```
Linux 4.15.0-1014-gcp
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

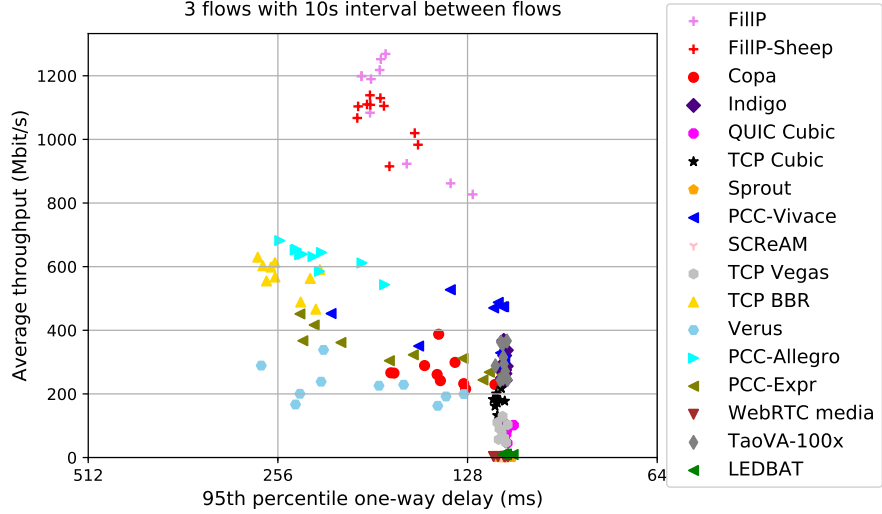
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



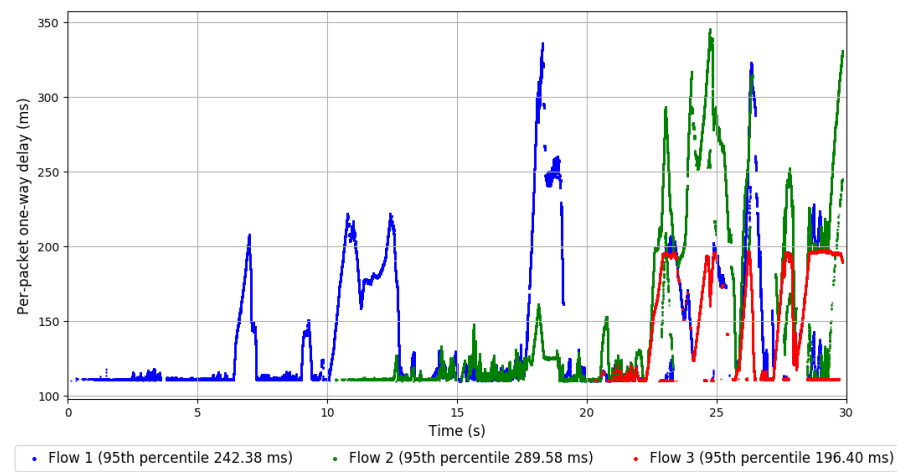
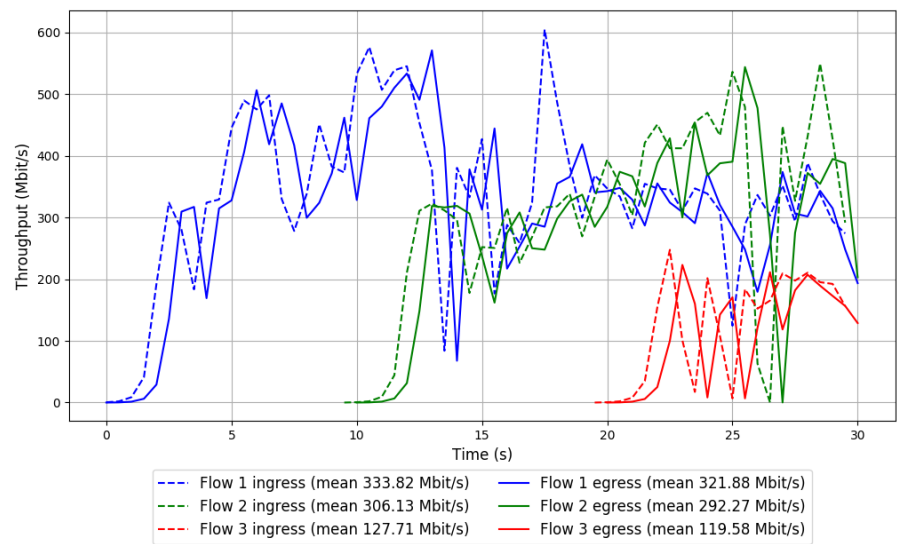
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	345.07	285.92	100.45	253.84	236.58	198.36	3.78	4.08	7.60
Copa	10	137.86	131.26	134.08	125.84	136.80	154.49	0.59	0.93	2.50
TCP Cubic	10	109.79	57.46	37.93	113.90	113.12	114.90	0.79	2.30	6.18
FillP	10	614.47	539.51	399.44	170.69	161.22	143.04	2.40	1.88	3.05
FillP-Sheep	10	588.37	527.21	400.10	181.02	157.84	131.77	2.96	1.49	2.35
Indigo	10	154.38	145.88	123.38	111.65	112.18	112.34	0.74	1.16	2.84
LEDBAT	10	6.47	4.29	2.17	111.53	111.39	111.39	1.46	2.42	4.40
PCC-Allegro	10	443.61	249.46	60.17	232.51	189.21	185.65	4.28	3.76	4.71
PCC-Expr	10	208.20	126.82	118.72	168.65	134.76	155.23	1.34	1.61	3.01
QUIC Cubic	10	46.13	45.66	35.04	110.84	110.74	110.40	0.77	1.74	1.34
SCReAM	10	0.20	0.21	0.20	111.48	111.43	111.51	0.76	1.21	2.16
Sprout	10	0.19	0.22	0.29	111.71	112.01	111.67	0.55	0.92	1.47
TaoVA-100x	10	175.13	123.40	129.27	111.96	112.48	115.13	0.65	1.63	2.72
TCP Vegas	10	52.72	31.01	21.25	112.75	112.46	112.27	0.65	1.21	3.77
Verus	10	132.25	105.00	72.10	173.58	193.24	168.48	2.17	3.59	4.60
PCC-Vivace	10	256.28	173.26	139.05	129.70	119.51	145.22	0.81	1.58	3.52
WebRTC media	10	1.76	1.05	0.35	111.96	111.89	112.00	0.80	1.38	4.15

Run 1: Statistics of TCP BBR

Start at: 2018-08-10 16:35:58
End at: 2018-08-10 16:36:28
Local clock offset: -0.291 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-08-10 21:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.26 Mbit/s
95th percentile per-packet one-way delay: 266.865 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 321.88 Mbit/s
95th percentile per-packet one-way delay: 242.376 ms
Loss rate: 4.29%
-- Flow 2:
Average throughput: 292.27 Mbit/s
95th percentile per-packet one-way delay: 289.580 ms
Loss rate: 5.59%
-- Flow 3:
Average throughput: 119.58 Mbit/s
95th percentile per-packet one-way delay: 196.397 ms
Loss rate: 8.34%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-10 17:02:11

End at: 2018-08-10 17:02:41

Local clock offset: -0.203 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-08-10 21:25:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.80 Mbit/s

95th percentile per-packet one-way delay: 235.514 ms

Loss rate: 3.58%

-- Flow 1:

Average throughput: 307.01 Mbit/s

95th percentile per-packet one-way delay: 240.660 ms

Loss rate: 3.28%

-- Flow 2:

Average throughput: 241.30 Mbit/s

95th percentile per-packet one-way delay: 228.248 ms

Loss rate: 3.36%

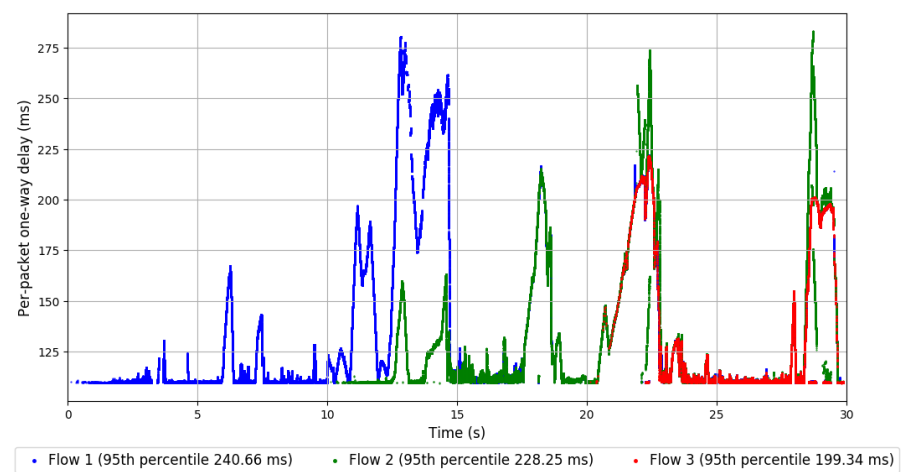
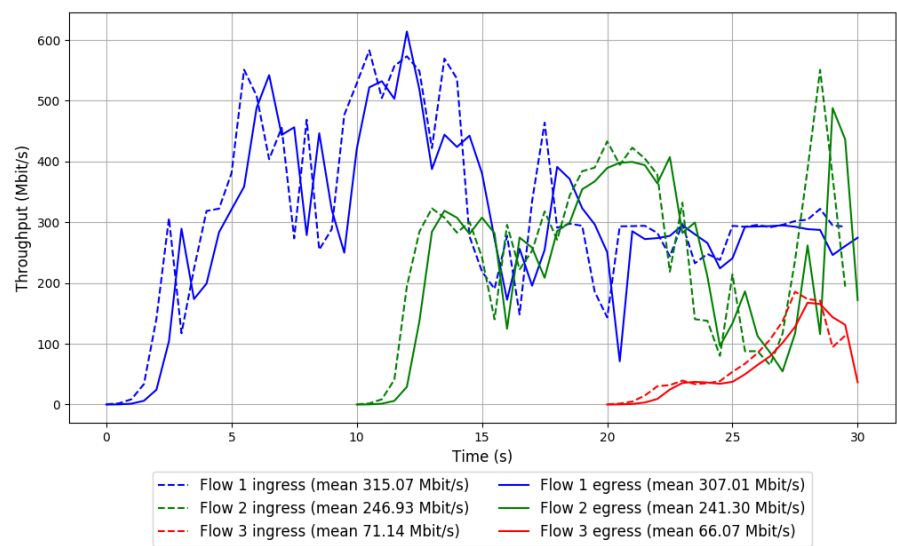
-- Flow 3:

Average throughput: 66.07 Mbit/s

95th percentile per-packet one-way delay: 199.337 ms

Loss rate: 9.20%

Run 2: Report of TCP BBR — Data Link

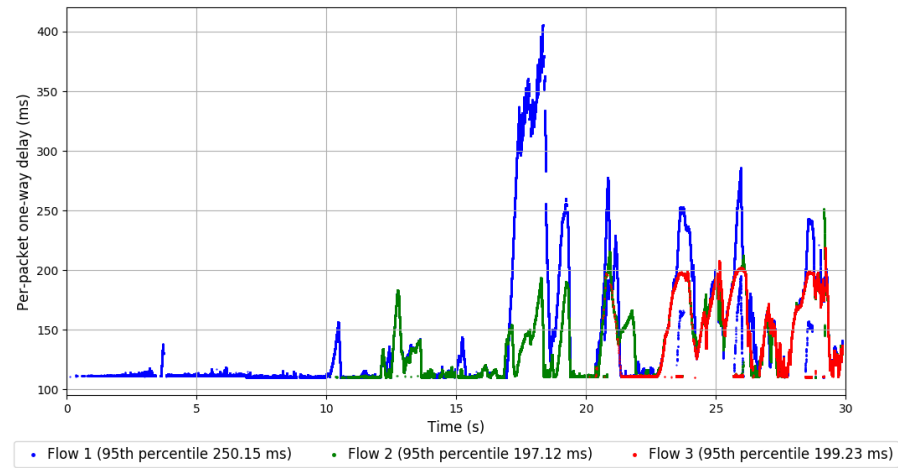
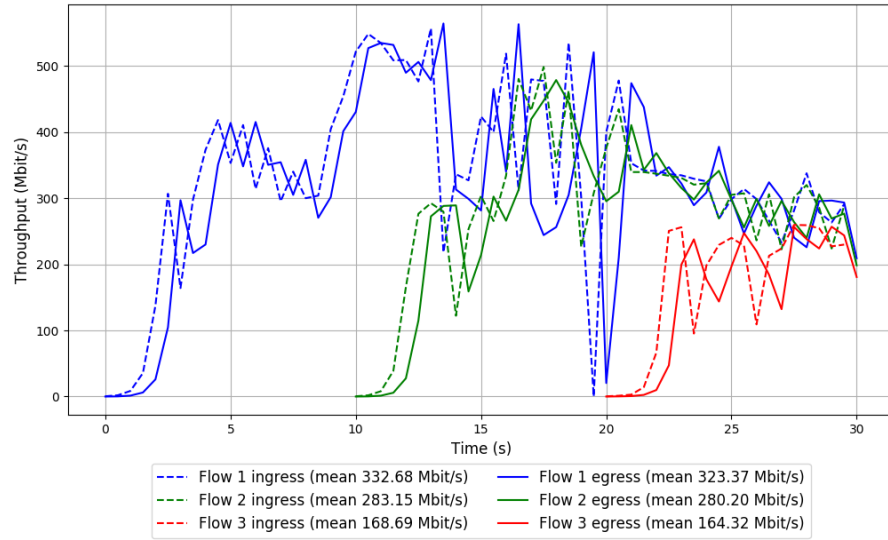


Run 3: Statistics of TCP BBR

Start at: 2018-08-10 17:28:16
End at: 2018-08-10 17:28:46
Local clock offset: -0.126 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-08-10 21:25:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 563.03 Mbit/s
95th percentile per-packet one-way delay: 227.439 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 323.37 Mbit/s
95th percentile per-packet one-way delay: 250.152 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 280.20 Mbit/s
95th percentile per-packet one-way delay: 197.115 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 164.32 Mbit/s
95th percentile per-packet one-way delay: 199.232 ms
Loss rate: 4.77%

Run 3: Report of TCP BBR — Data Link

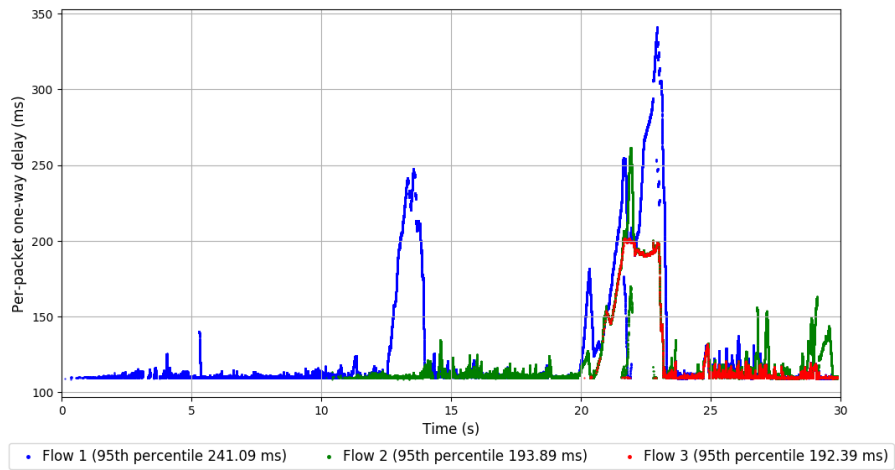
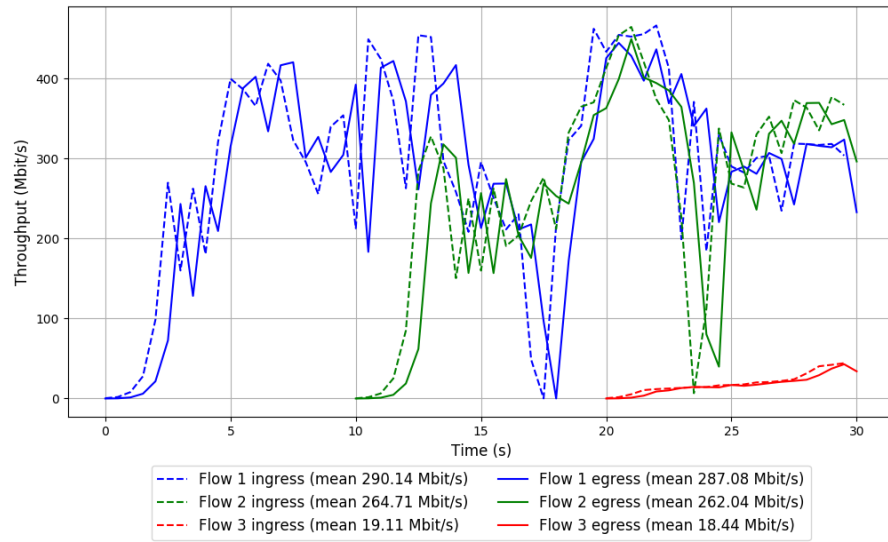


Run 4: Statistics of TCP BBR

Start at: 2018-08-10 17:54:31
End at: 2018-08-10 17:55:01
Local clock offset: -1.532 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-08-10 21:25:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 466.49 Mbit/s
95th percentile per-packet one-way delay: 222.856 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 287.08 Mbit/s
95th percentile per-packet one-way delay: 241.085 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 262.04 Mbit/s
95th percentile per-packet one-way delay: 193.888 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 18.44 Mbit/s
95th percentile per-packet one-way delay: 192.394 ms
Loss rate: 5.60%

Run 4: Report of TCP BBR — Data Link

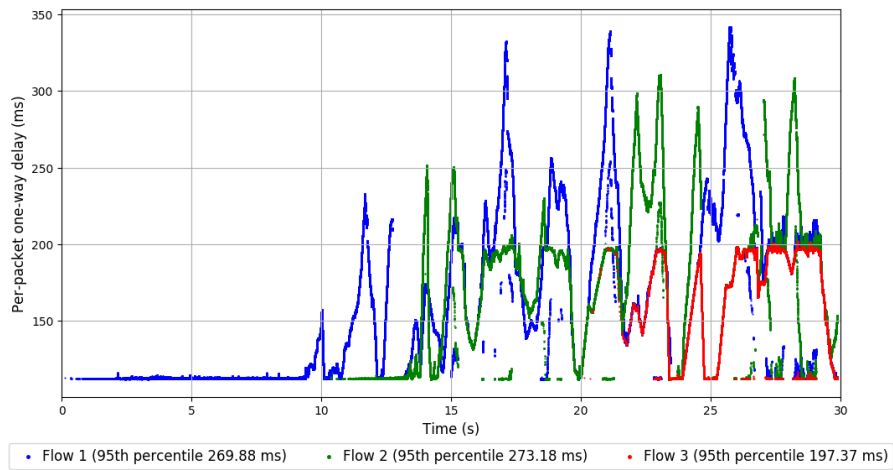
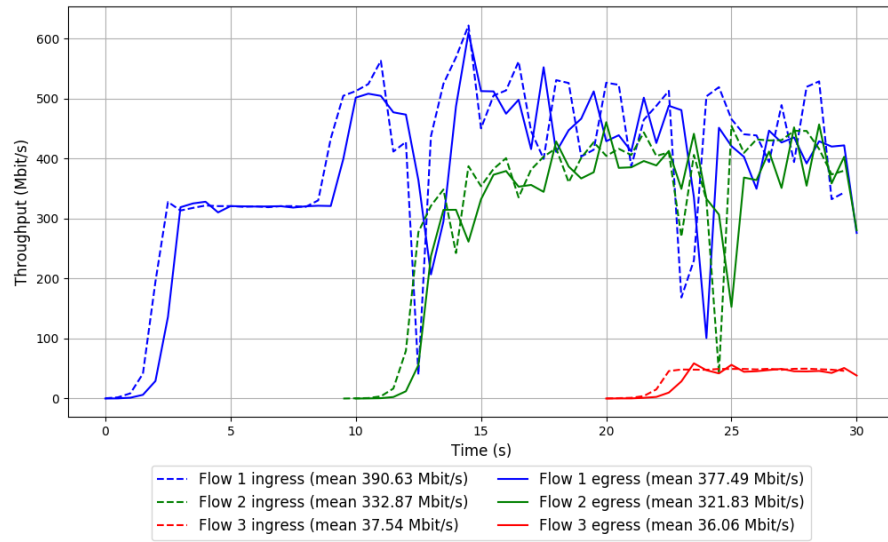


Run 5: Statistics of TCP BBR

Start at: 2018-08-10 18:20:49
End at: 2018-08-10 18:21:19
Local clock offset: 1.132 ms
Remote clock offset: -3.559 ms

Below is generated by plot.py at 2018-08-10 21:26:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 602.96 Mbit/s
95th percentile per-packet one-way delay: 270.450 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 377.49 Mbit/s
95th percentile per-packet one-way delay: 269.879 ms
Loss rate: 4.09%
-- Flow 2:
Average throughput: 321.83 Mbit/s
95th percentile per-packet one-way delay: 273.182 ms
Loss rate: 4.40%
-- Flow 3:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 197.373 ms
Loss rate: 6.09%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-10 18:48:12

End at: 2018-08-10 18:48:42

Local clock offset: -0.077 ms

Remote clock offset: -3.43 ms

Below is generated by plot.py at 2018-08-10 21:26:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 567.49 Mbit/s

95th percentile per-packet one-way delay: 258.658 ms

Loss rate: 5.58%

-- Flow 1:

Average throughput: 312.68 Mbit/s

95th percentile per-packet one-way delay: 251.437 ms

Loss rate: 3.65%

-- Flow 2:

Average throughput: 319.63 Mbit/s

95th percentile per-packet one-way delay: 288.816 ms

Loss rate: 7.70%

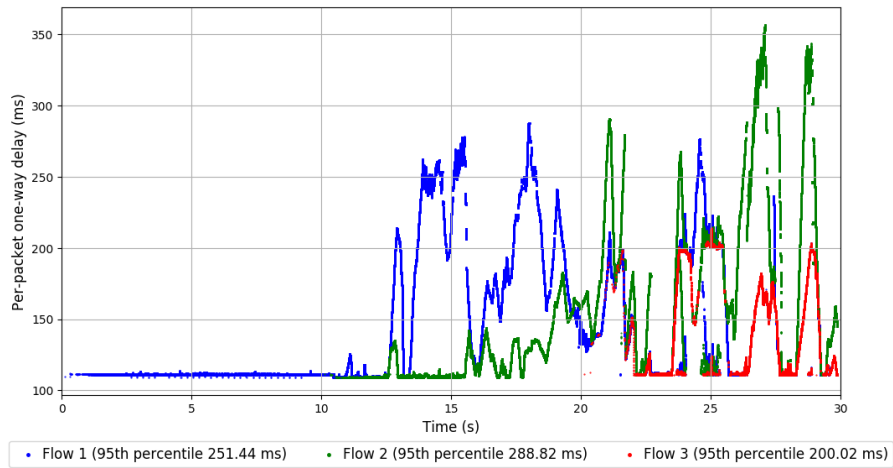
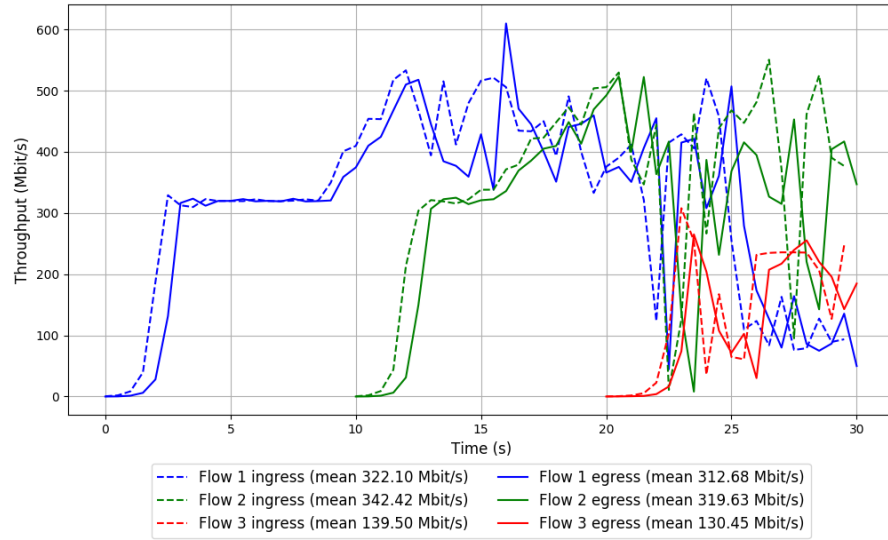
-- Flow 3:

Average throughput: 130.45 Mbit/s

95th percentile per-packet one-way delay: 200.021 ms

Loss rate: 8.59%

Run 6: Report of TCP BBR — Data Link

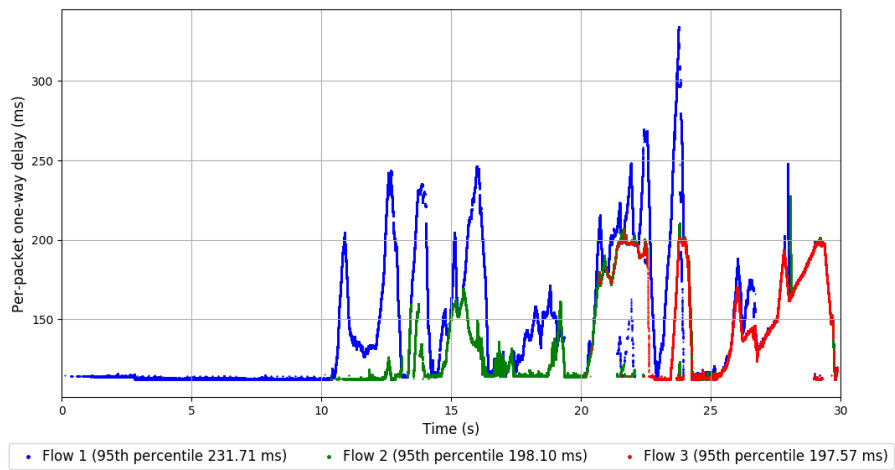
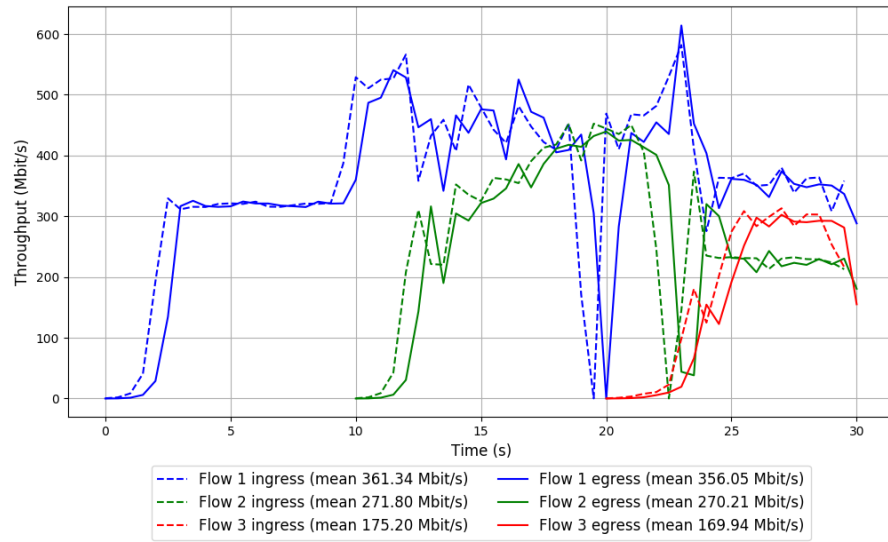


Run 7: Statistics of TCP BBR

Start at: 2018-08-10 19:15:30
End at: 2018-08-10 19:16:00
Local clock offset: 3.041 ms
Remote clock offset: -2.908 ms

Below is generated by plot.py at 2018-08-10 21:26:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 590.98 Mbit/s
95th percentile per-packet one-way delay: 219.605 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 356.05 Mbit/s
95th percentile per-packet one-way delay: 231.706 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 270.21 Mbit/s
95th percentile per-packet one-way delay: 198.102 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 169.94 Mbit/s
95th percentile per-packet one-way delay: 197.572 ms
Loss rate: 5.17%

Run 7: Report of TCP BBR — Data Link

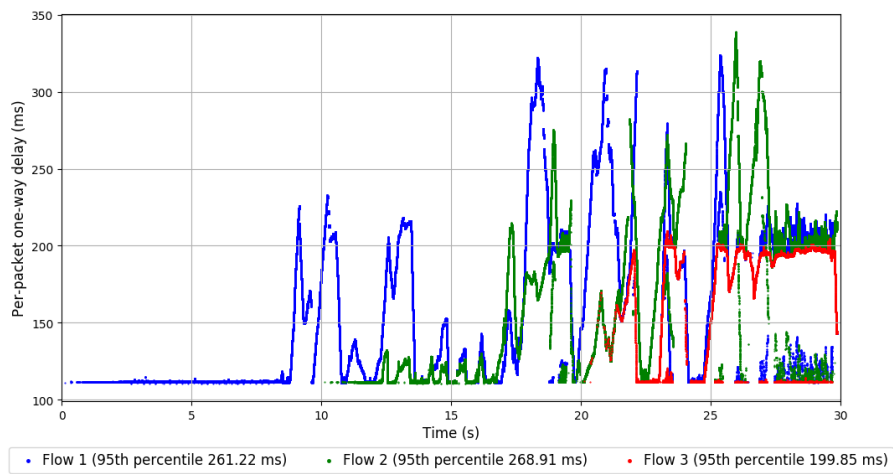
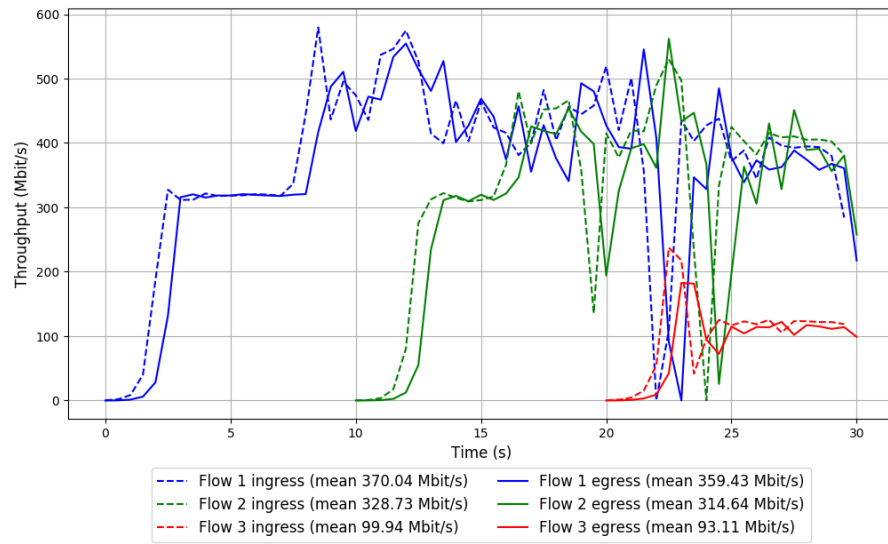


Run 8: Statistics of TCP BBR

Start at: 2018-08-10 19:43:44
End at: 2018-08-10 19:44:14
Local clock offset: -0.1 ms
Remote clock offset: -2.815 ms

Below is generated by plot.py at 2018-08-10 21:26:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 598.74 Mbit/s
95th percentile per-packet one-way delay: 262.546 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 359.43 Mbit/s
95th percentile per-packet one-way delay: 261.224 ms
Loss rate: 3.58%
-- Flow 2:
Average throughput: 314.64 Mbit/s
95th percentile per-packet one-way delay: 268.911 ms
Loss rate: 5.35%
-- Flow 3:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 199.848 ms
Loss rate: 8.91%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-10 20:11:09

End at: 2018-08-10 20:11:39

Local clock offset: -0.107 ms

Remote clock offset: -1.14 ms

Below is generated by plot.py at 2018-08-10 21:34:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 612.96 Mbit/s

95th percentile per-packet one-way delay: 258.759 ms

Loss rate: 4.42%

-- Flow 1:

Average throughput: 390.30 Mbit/s

95th percentile per-packet one-way delay: 263.423 ms

Loss rate: 4.24%

-- Flow 2:

Average throughput: 288.93 Mbit/s

95th percentile per-packet one-way delay: 227.881 ms

Loss rate: 3.99%

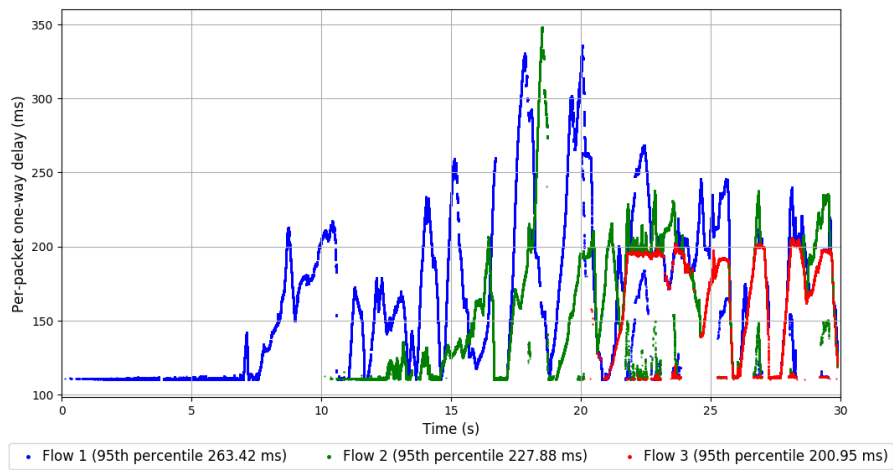
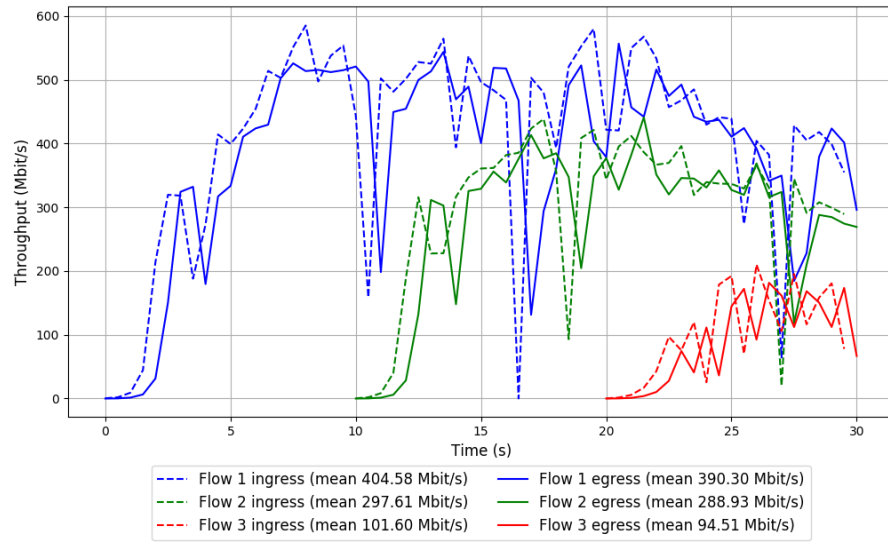
-- Flow 3:

Average throughput: 94.51 Mbit/s

95th percentile per-packet one-way delay: 200.951 ms

Loss rate: 9.04%

Run 9: Report of TCP BBR — Data Link

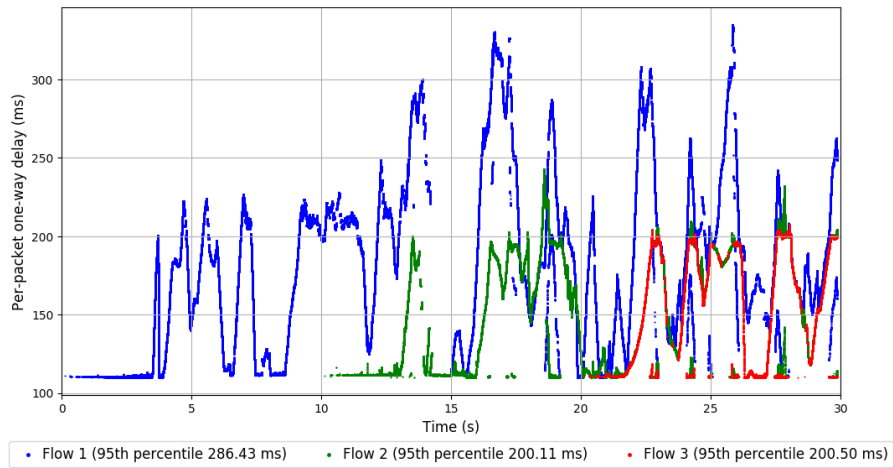
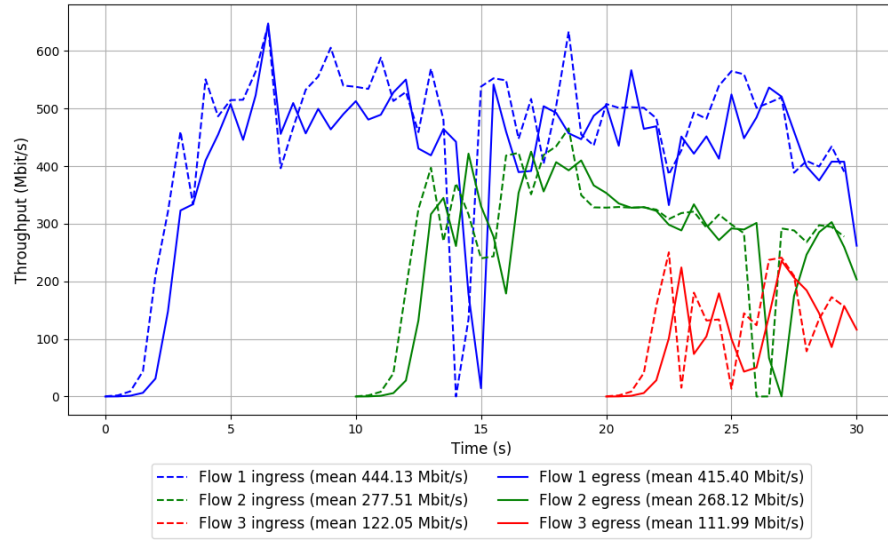


Run 10: Statistics of TCP BBR

Start at: 2018-08-10 20:38:17
End at: 2018-08-10 20:38:47
Local clock offset: -0.037 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-08-10 21:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 629.93 Mbit/s
95th percentile per-packet one-way delay: 275.549 ms
Loss rate: 6.61%
-- Flow 1:
Average throughput: 415.40 Mbit/s
95th percentile per-packet one-way delay: 286.426 ms
Loss rate: 7.17%
-- Flow 2:
Average throughput: 268.12 Mbit/s
95th percentile per-packet one-way delay: 200.108 ms
Loss rate: 4.46%
-- Flow 3:
Average throughput: 111.99 Mbit/s
95th percentile per-packet one-way delay: 200.504 ms
Loss rate: 10.27%

Run 10: Report of TCP BBR — Data Link

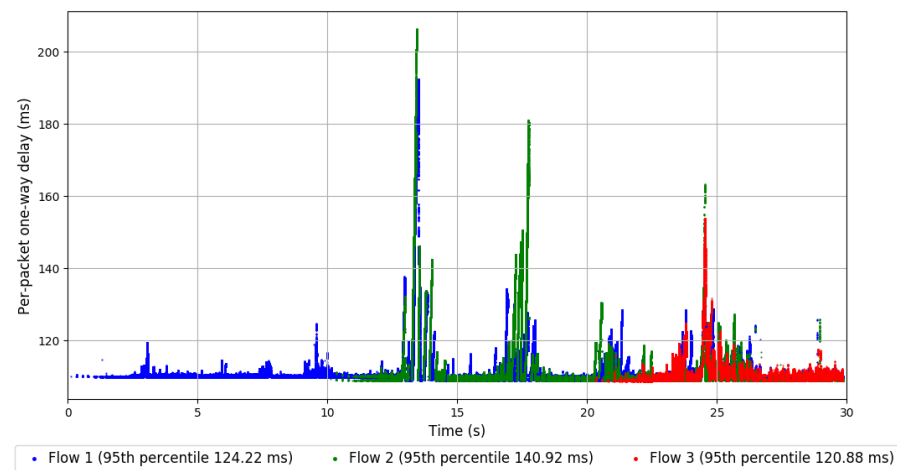
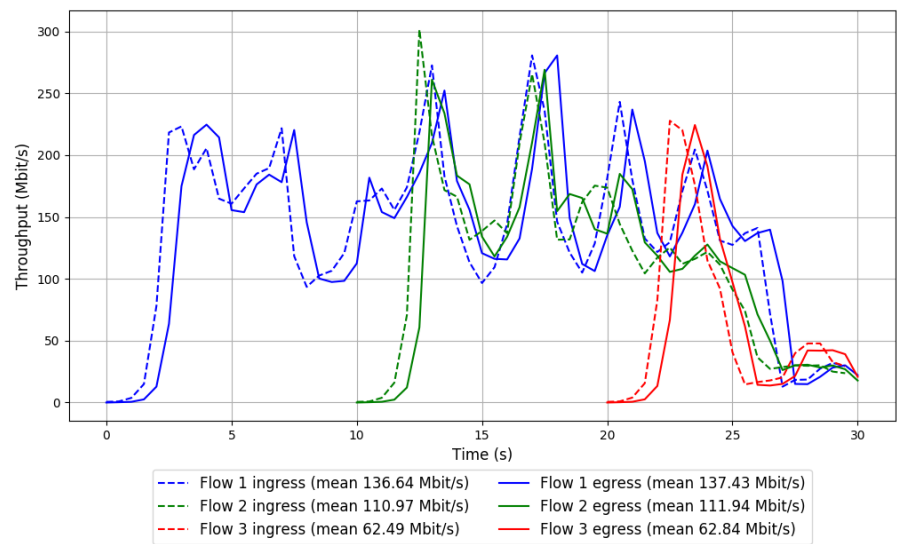


Run 1: Statistics of Copa

Start at: 2018-08-10 16:48:40
End at: 2018-08-10 16:49:10
Local clock offset: -1.215 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-08-10 21:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.29 Mbit/s
95th percentile per-packet one-way delay: 129.803 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 137.43 Mbit/s
95th percentile per-packet one-way delay: 124.218 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 111.94 Mbit/s
95th percentile per-packet one-way delay: 140.924 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 120.880 ms
Loss rate: 1.36%

Run 1: Report of Copa — Data Link

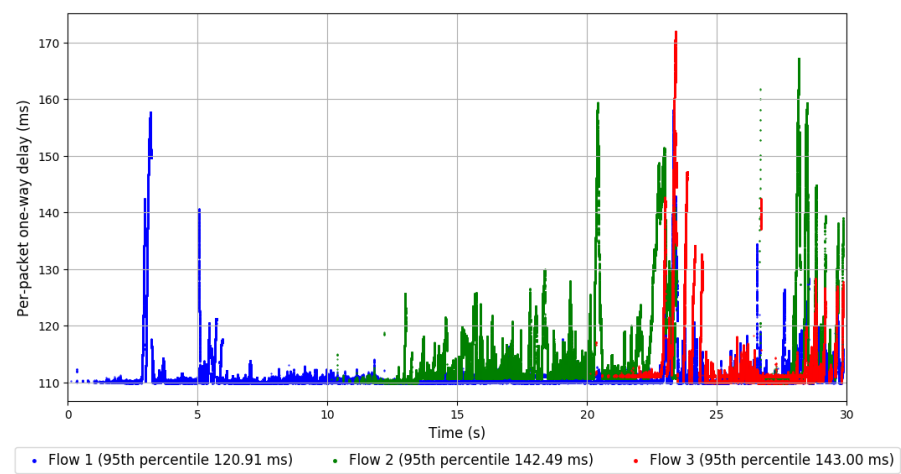
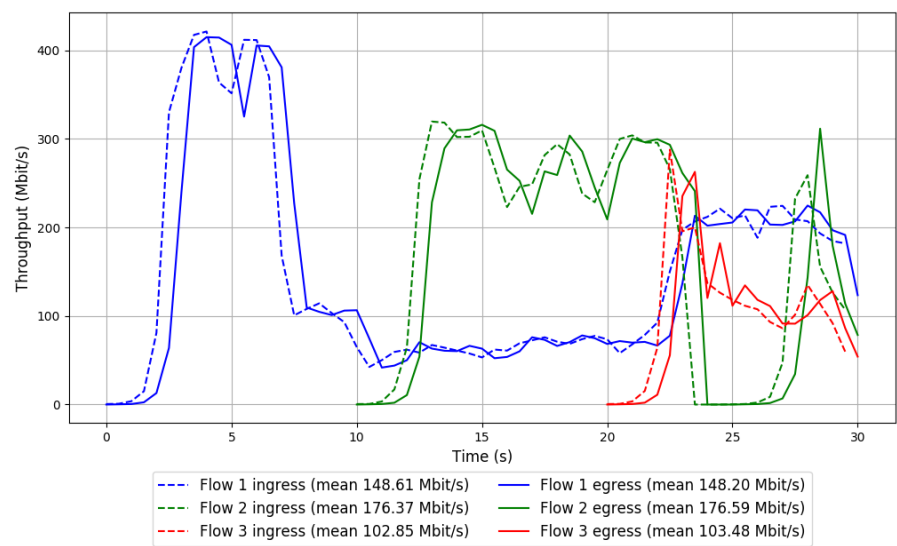


Run 2: Statistics of Copa

Start at: 2018-08-10 17:14:39
End at: 2018-08-10 17:15:09
Local clock offset: -0.177 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-08-10 21:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.07 Mbit/s
95th percentile per-packet one-way delay: 133.982 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 148.20 Mbit/s
95th percentile per-packet one-way delay: 120.908 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 176.59 Mbit/s
95th percentile per-packet one-way delay: 142.485 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 103.48 Mbit/s
95th percentile per-packet one-way delay: 143.001 ms
Loss rate: 1.62%

Run 2: Report of Copa — Data Link

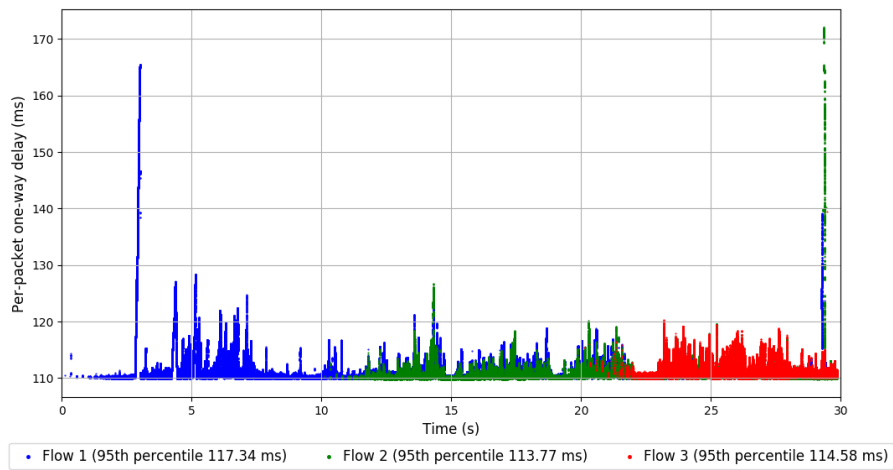
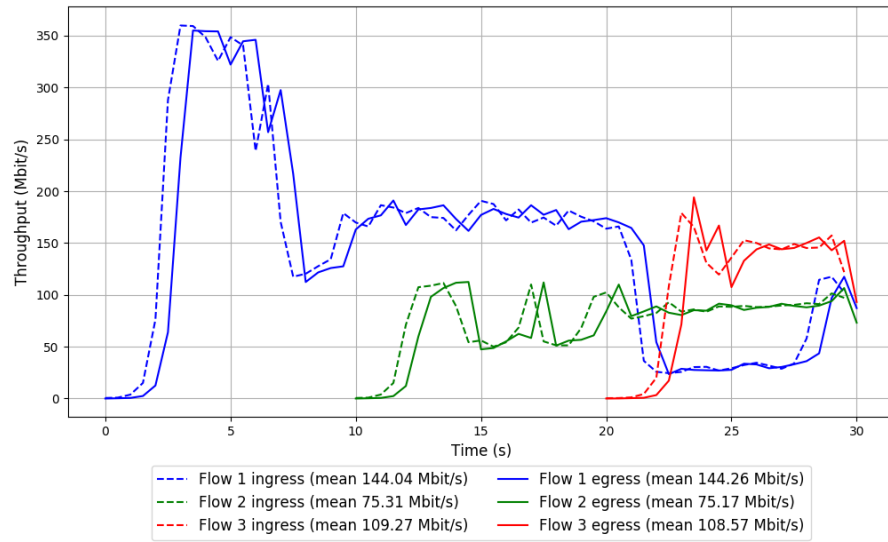


Run 3: Statistics of Copa

Start at: 2018-08-10 17:41:05
End at: 2018-08-10 17:41:35
Local clock offset: -0.129 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-08-10 21:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.64 Mbit/s
95th percentile per-packet one-way delay: 115.804 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 144.26 Mbit/s
95th percentile per-packet one-way delay: 117.336 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 113.773 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 108.57 Mbit/s
95th percentile per-packet one-way delay: 114.585 ms
Loss rate: 2.92%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-10 18:06:56

End at: 2018-08-10 18:07:26

Local clock offset: 1.176 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-08-10 21:35:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.11 Mbit/s

95th percentile per-packet one-way delay: 149.773 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 146.28 Mbit/s

95th percentile per-packet one-way delay: 132.397 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 152.10 Mbit/s

95th percentile per-packet one-way delay: 165.538 ms

Loss rate: 1.02%

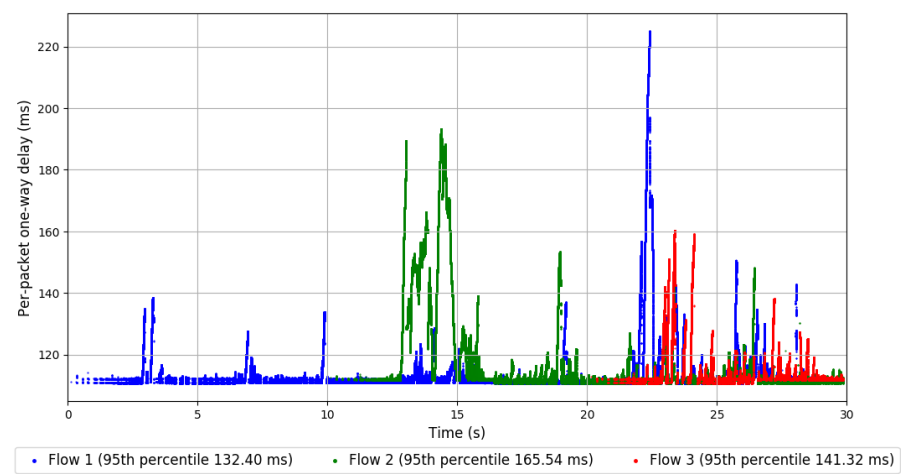
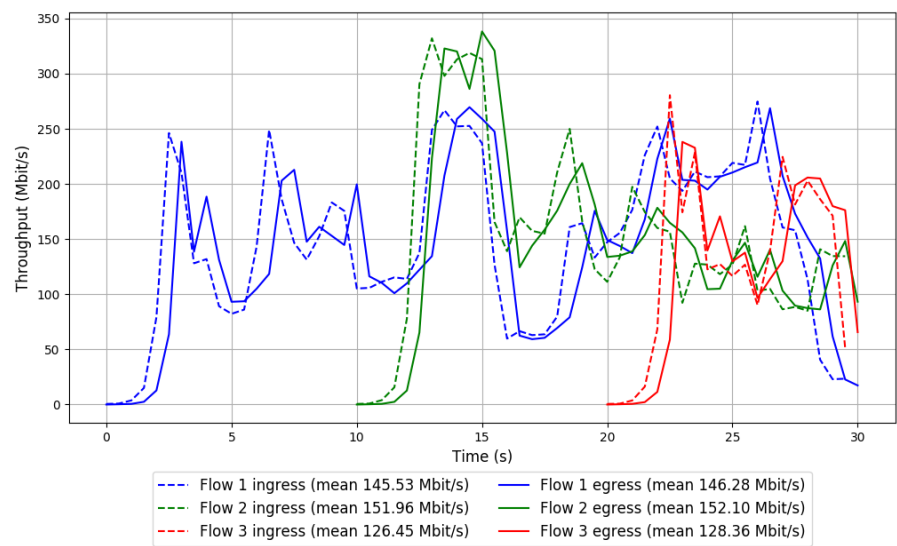
-- Flow 3:

Average throughput: 128.36 Mbit/s

95th percentile per-packet one-way delay: 141.319 ms

Loss rate: 0.77%

Run 4: Report of Copa — Data Link

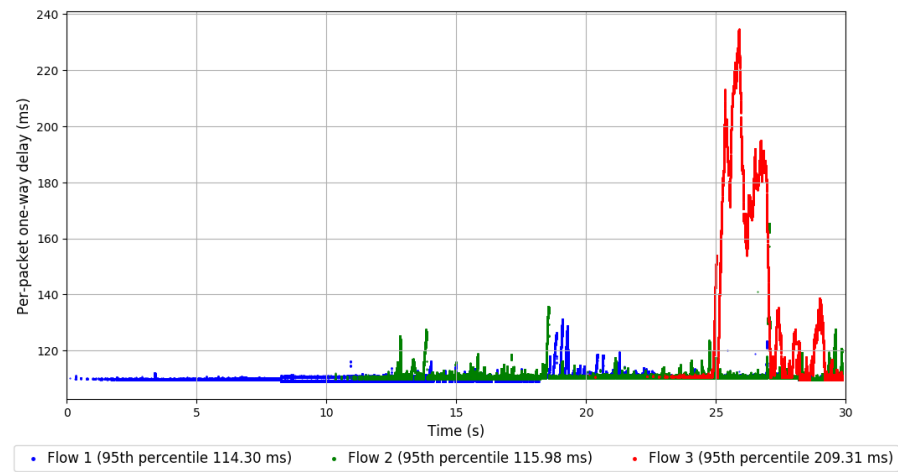
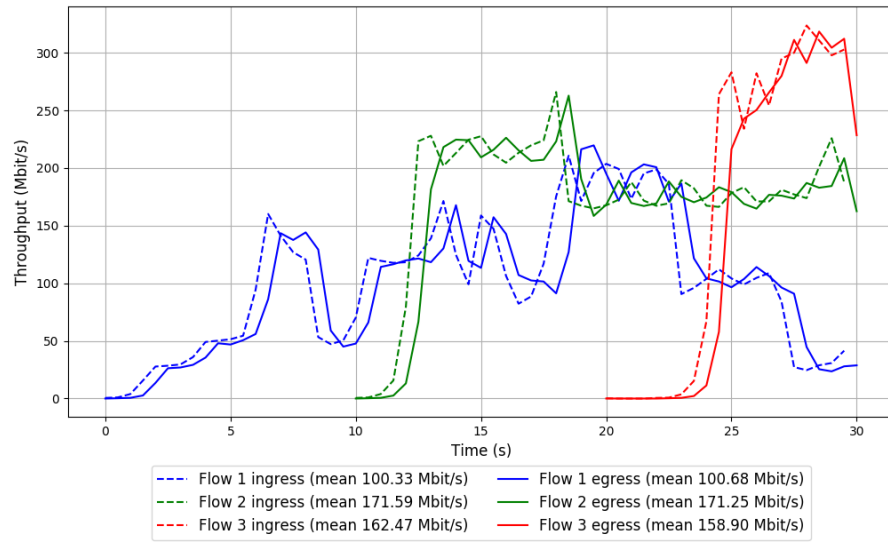


Run 5: Statistics of Copa

Start at: 2018-08-10 18:33:55
End at: 2018-08-10 18:34:25
Local clock offset: -0.318 ms
Remote clock offset: -6.625 ms

Below is generated by plot.py at 2018-08-10 21:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.34 Mbit/s
95th percentile per-packet one-way delay: 169.443 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 100.68 Mbit/s
95th percentile per-packet one-way delay: 114.302 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 171.25 Mbit/s
95th percentile per-packet one-way delay: 115.981 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 158.90 Mbit/s
95th percentile per-packet one-way delay: 209.308 ms
Loss rate: 4.39%

Run 5: Report of Copa — Data Link

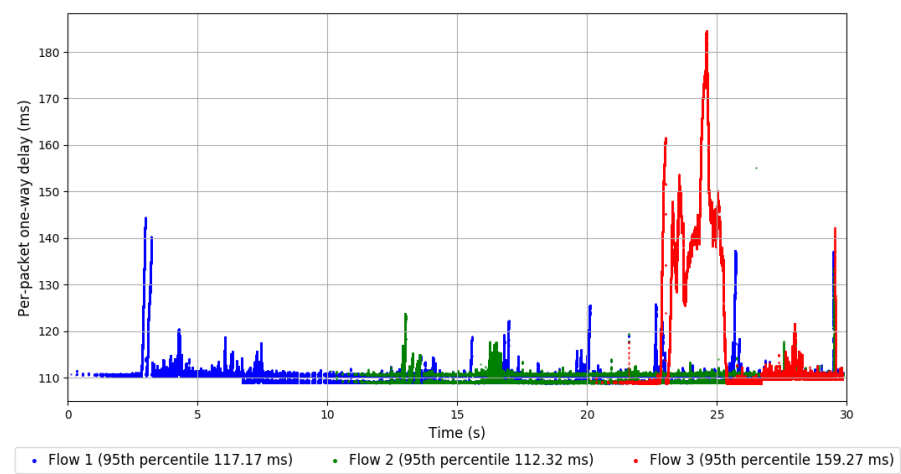
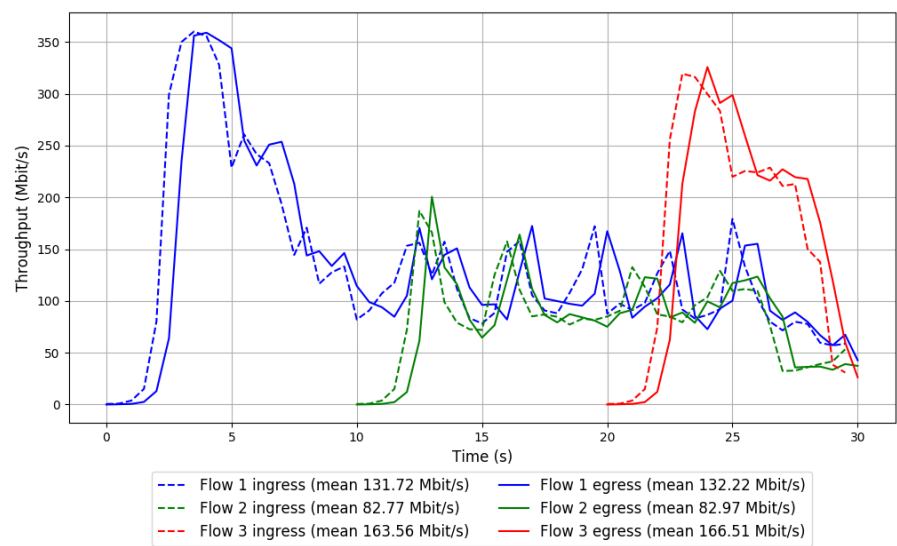


Run 6: Statistics of Copa

Start at: 2018-08-10 19:01:16
End at: 2018-08-10 19:01:46
Local clock offset: -0.279 ms
Remote clock offset: -4.122 ms

Below is generated by plot.py at 2018-08-10 21:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.57 Mbit/s
95th percentile per-packet one-way delay: 141.342 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 132.22 Mbit/s
95th percentile per-packet one-way delay: 117.167 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 112.320 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 166.51 Mbit/s
95th percentile per-packet one-way delay: 159.271 ms
Loss rate: 0.48%

Run 6: Report of Copa — Data Link

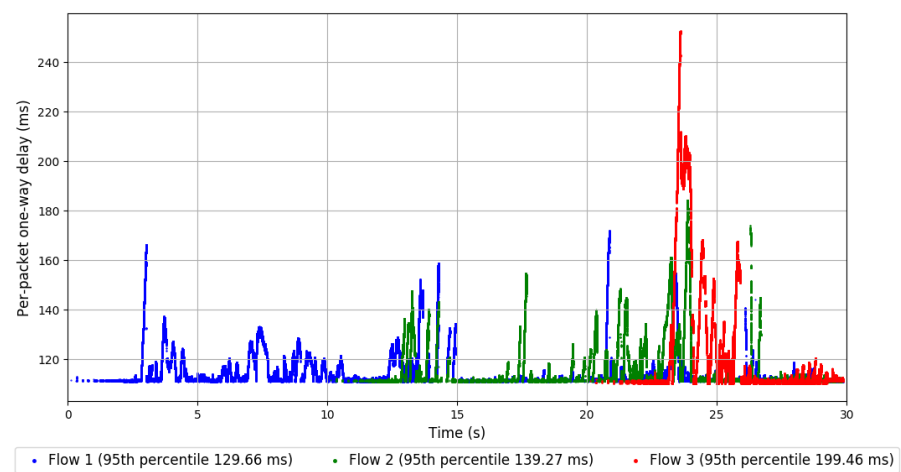
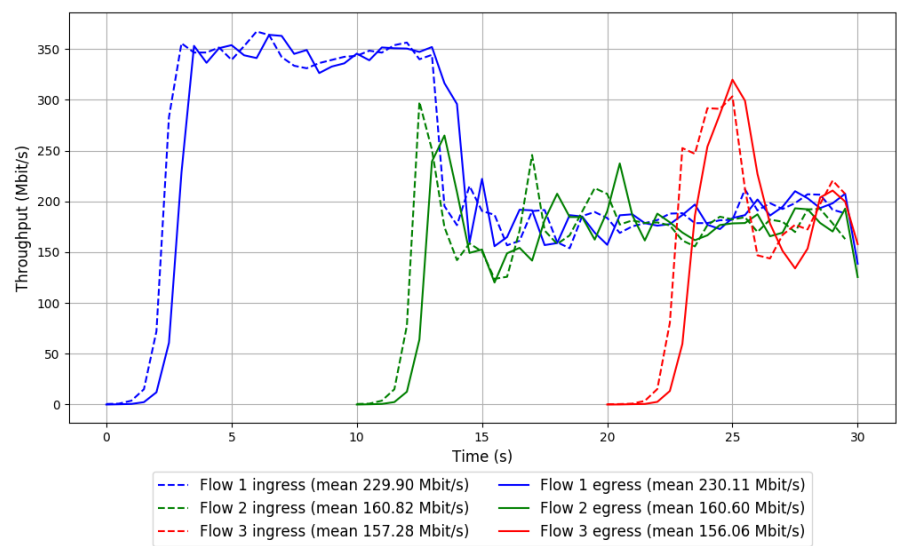


Run 7: Statistics of Copa

Start at: 2018-08-10 19:28:53
End at: 2018-08-10 19:29:23
Local clock offset: 0.034 ms
Remote clock offset: -1.992 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.55 Mbit/s
95th percentile per-packet one-way delay: 142.241 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 230.11 Mbit/s
95th percentile per-packet one-way delay: 129.656 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 160.60 Mbit/s
95th percentile per-packet one-way delay: 139.266 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 156.06 Mbit/s
95th percentile per-packet one-way delay: 199.462 ms
Loss rate: 2.99%

Run 7: Report of Copa — Data Link

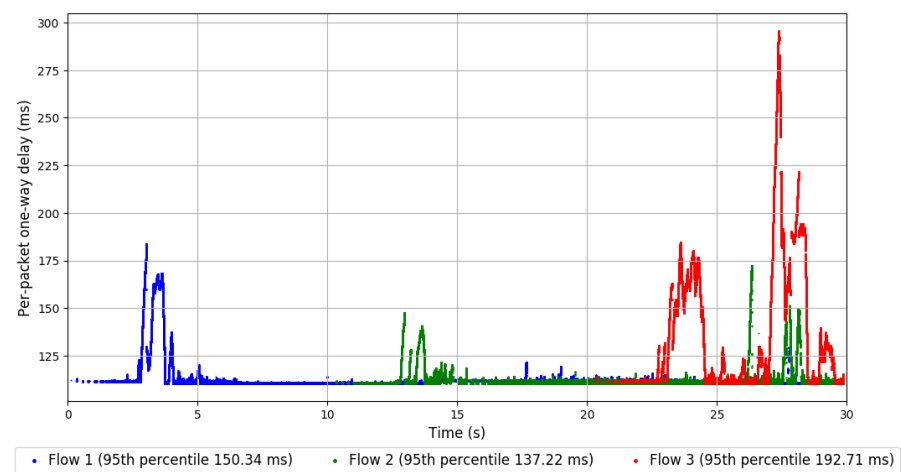
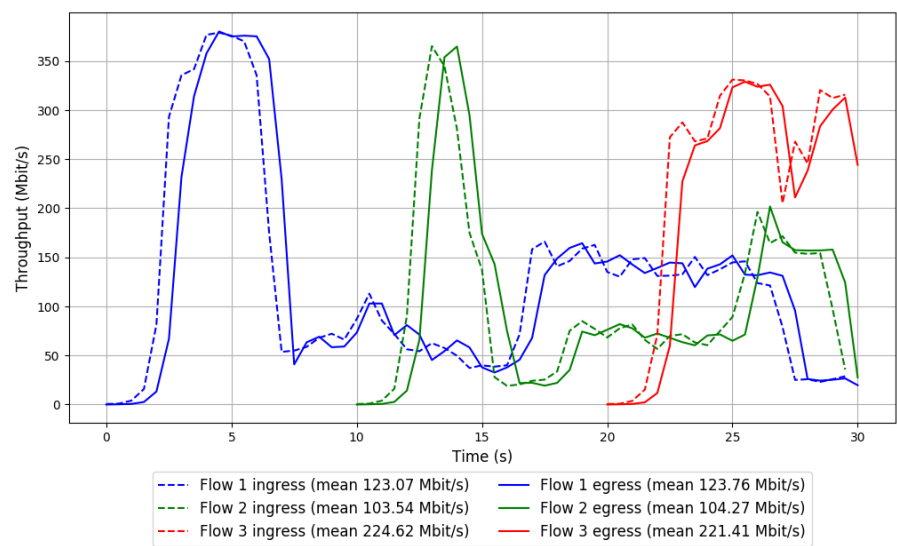


Run 8: Statistics of Copa

Start at: 2018-08-10 19:56:59
End at: 2018-08-10 19:57:29
Local clock offset: 0.022 ms
Remote clock offset: -1.248 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.41 Mbit/s
95th percentile per-packet one-way delay: 167.476 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 123.76 Mbit/s
95th percentile per-packet one-way delay: 150.345 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 104.27 Mbit/s
95th percentile per-packet one-way delay: 137.224 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 221.41 Mbit/s
95th percentile per-packet one-way delay: 192.709 ms
Loss rate: 3.62%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-10 20:24:09

End at: 2018-08-10 20:24:39

Local clock offset: -0.04 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2018-08-10 21:45:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 261.01 Mbit/s

95th percentile per-packet one-way delay: 143.044 ms

Loss rate: 1.93%

-- Flow 1:

Average throughput: 97.58 Mbit/s

95th percentile per-packet one-way delay: 128.380 ms

Loss rate: 1.52%

-- Flow 2:

Average throughput: 166.27 Mbit/s

95th percentile per-packet one-way delay: 150.788 ms

Loss rate: 1.12%

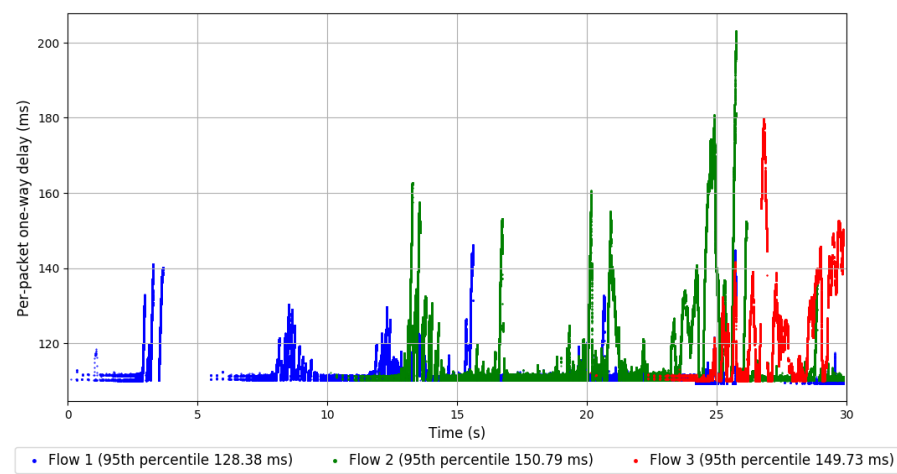
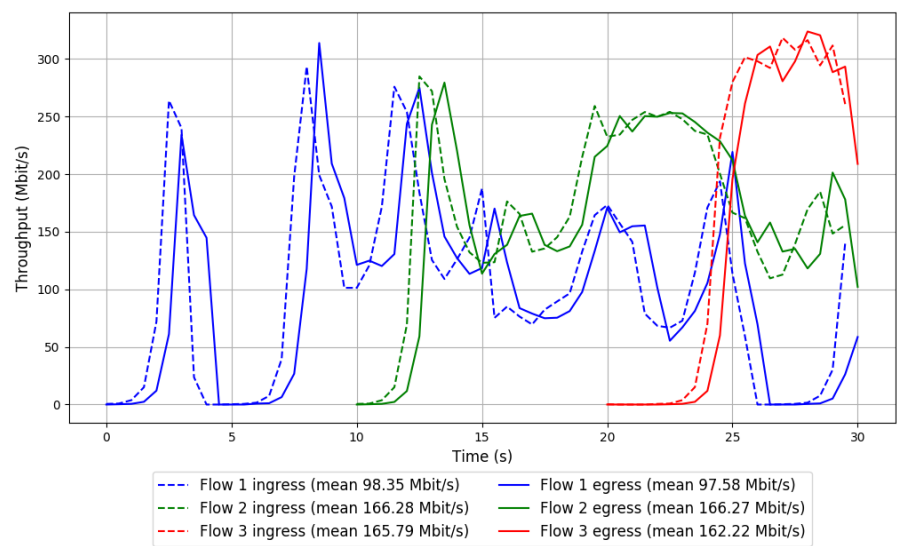
-- Flow 3:

Average throughput: 162.22 Mbit/s

95th percentile per-packet one-way delay: 149.726 ms

Loss rate: 4.33%

Run 9: Report of Copa — Data Link

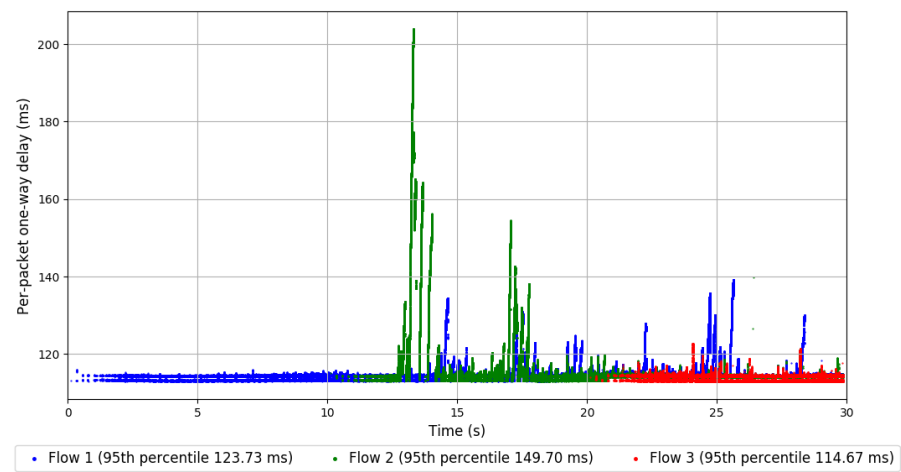
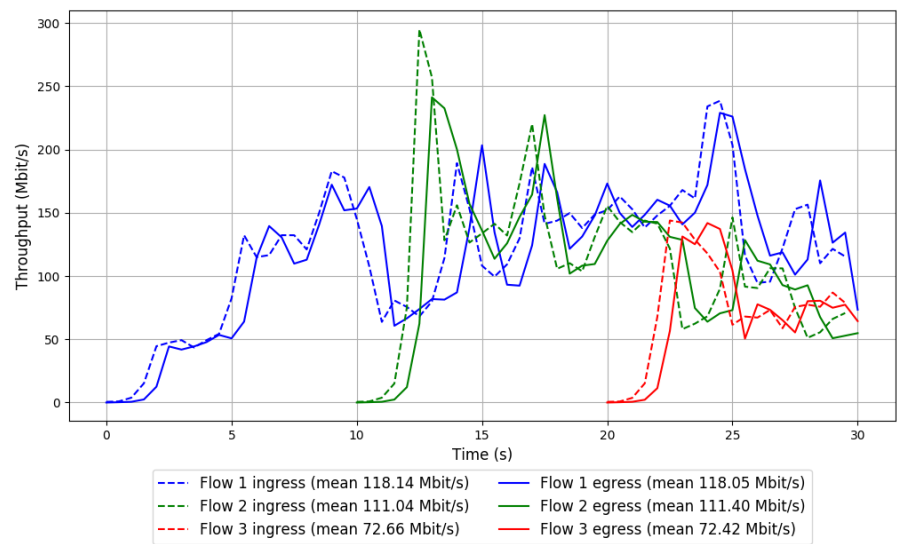


Run 10: Statistics of Copa

Start at: 2018-08-10 20:51:12
End at: 2018-08-10 20:51:42
Local clock offset: 2.775 ms
Remote clock offset: -0.361 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 215.66 Mbit/s
95th percentile per-packet one-way delay: 128.900 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 118.05 Mbit/s
95th percentile per-packet one-way delay: 123.733 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 111.40 Mbit/s
95th percentile per-packet one-way delay: 149.697 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 72.42 Mbit/s
95th percentile per-packet one-way delay: 114.674 ms
Loss rate: 2.56%

Run 10: Report of Copa — Data Link

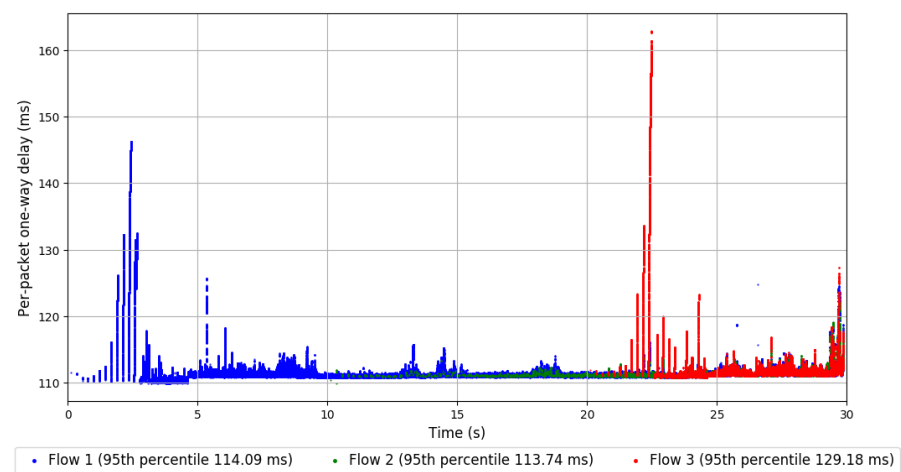
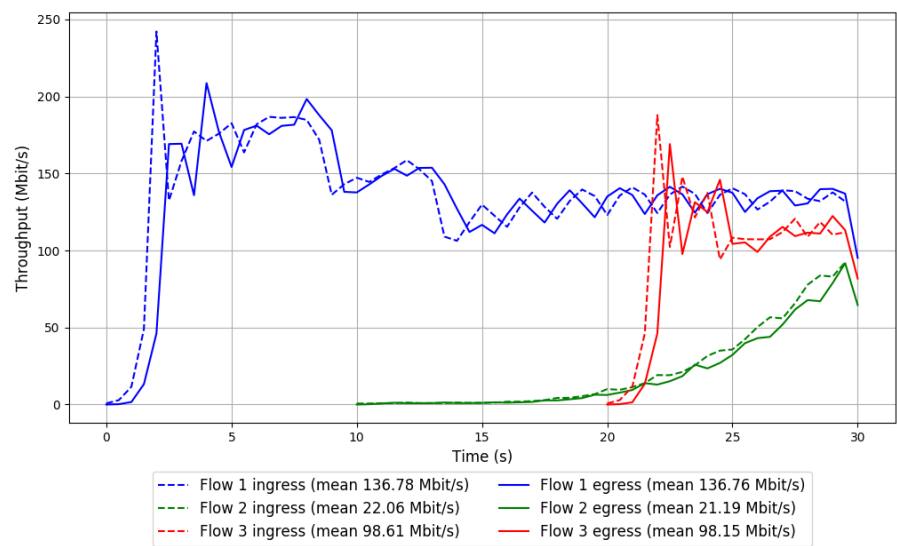


Run 1: Statistics of TCP Cubic

Start at: 2018-08-10 16:39:08
End at: 2018-08-10 16:39:38
Local clock offset: -0.086 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.94 Mbit/s
95th percentile per-packet one-way delay: 116.552 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 136.76 Mbit/s
95th percentile per-packet one-way delay: 114.093 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 113.736 ms
Loss rate: 5.03%
-- Flow 3:
Average throughput: 98.15 Mbit/s
95th percentile per-packet one-way delay: 129.176 ms
Loss rate: 2.66%

Run 1: Report of TCP Cubic — Data Link

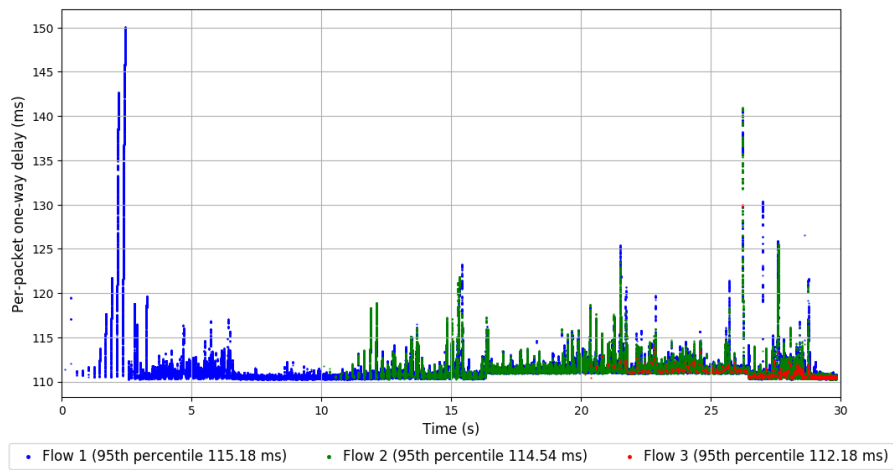
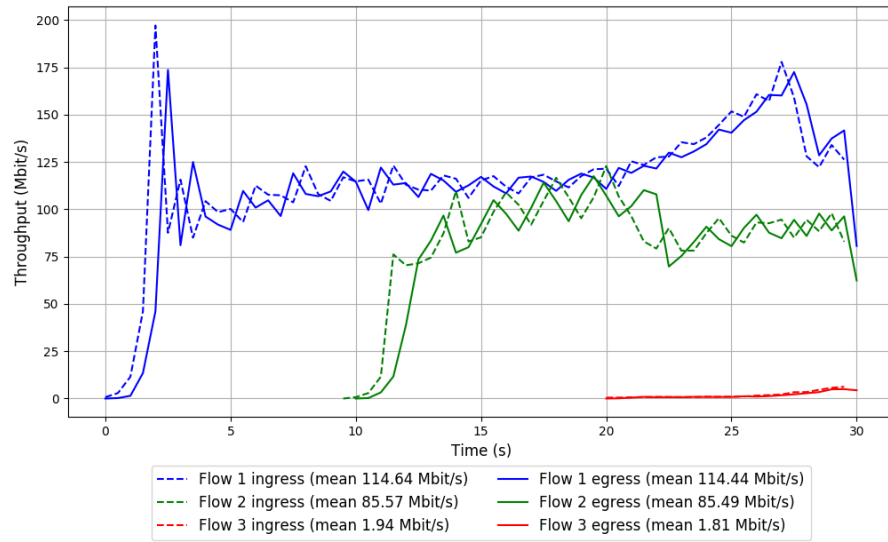


Run 2: Statistics of TCP Cubic

Start at: 2018-08-10 17:05:16
End at: 2018-08-10 17:05:46
Local clock offset: 0.149 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.84 Mbit/s
95th percentile per-packet one-way delay: 114.860 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 114.44 Mbit/s
95th percentile per-packet one-way delay: 115.178 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 114.537 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 112.180 ms
Loss rate: 8.75%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-10 17:31:28

End at: 2018-08-10 17:31:58

Local clock offset: -0.167 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-08-10 21:45:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 180.10 Mbit/s

95th percentile per-packet one-way delay: 113.647 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 106.62 Mbit/s

95th percentile per-packet one-way delay: 113.092 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 109.90 Mbit/s

95th percentile per-packet one-way delay: 114.865 ms

Loss rate: 1.34%

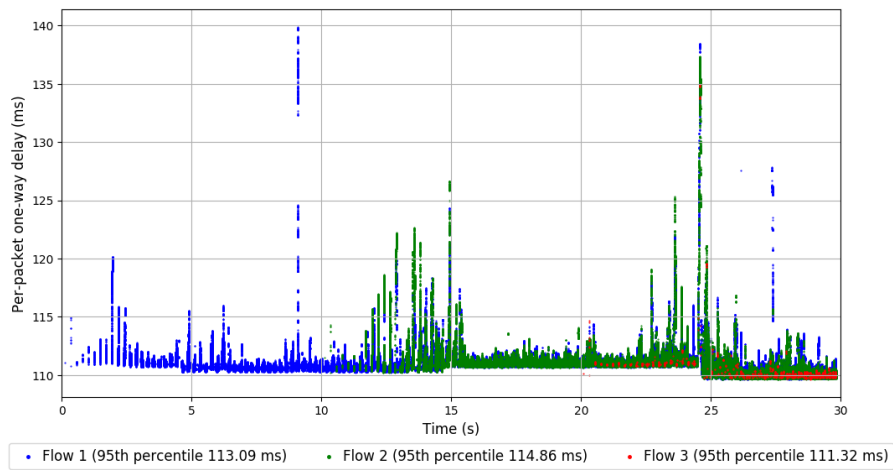
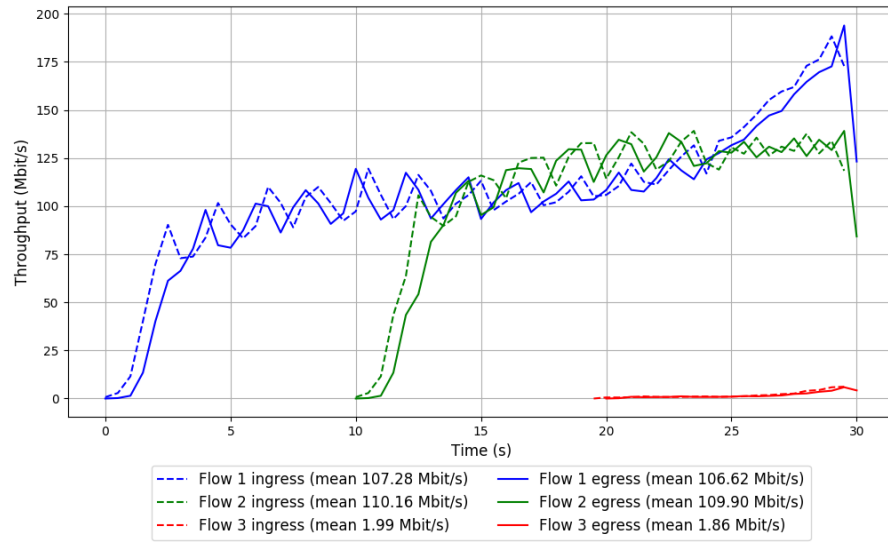
-- Flow 3:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 111.318 ms

Loss rate: 8.39%

Run 3: Report of TCP Cubic — Data Link

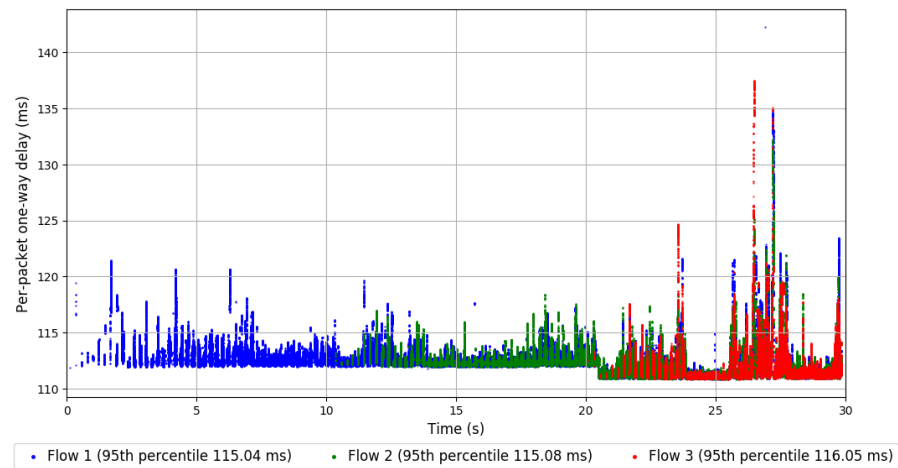
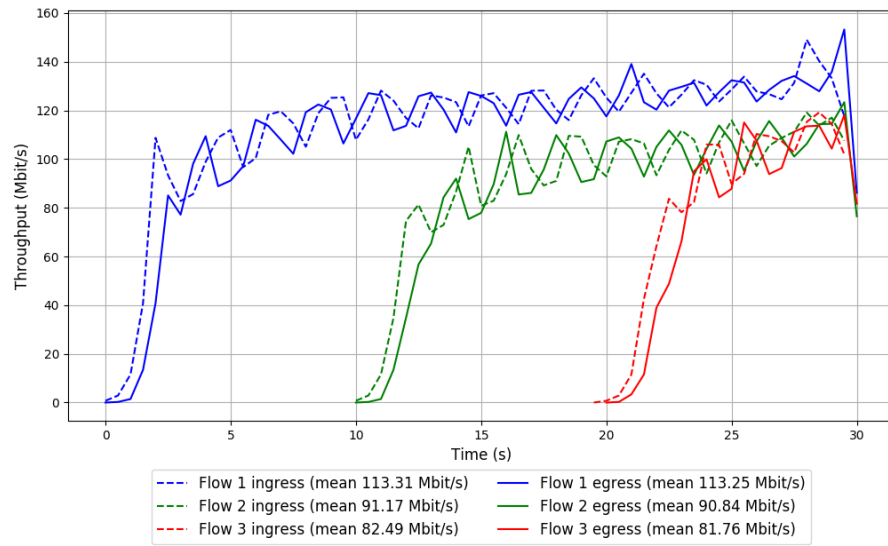


Run 4: Statistics of TCP Cubic

Start at: 2018-08-10 17:57:32
End at: 2018-08-10 17:58:02
Local clock offset: 0.769 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.27 Mbit/s
95th percentile per-packet one-way delay: 115.189 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 113.25 Mbit/s
95th percentile per-packet one-way delay: 115.038 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 115.085 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 81.76 Mbit/s
95th percentile per-packet one-way delay: 116.047 ms
Loss rate: 3.11%

Run 4: Report of TCP Cubic — Data Link

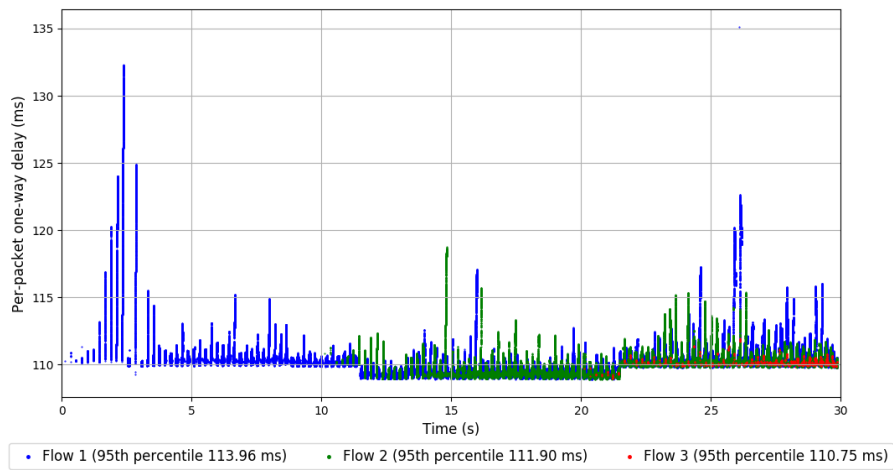
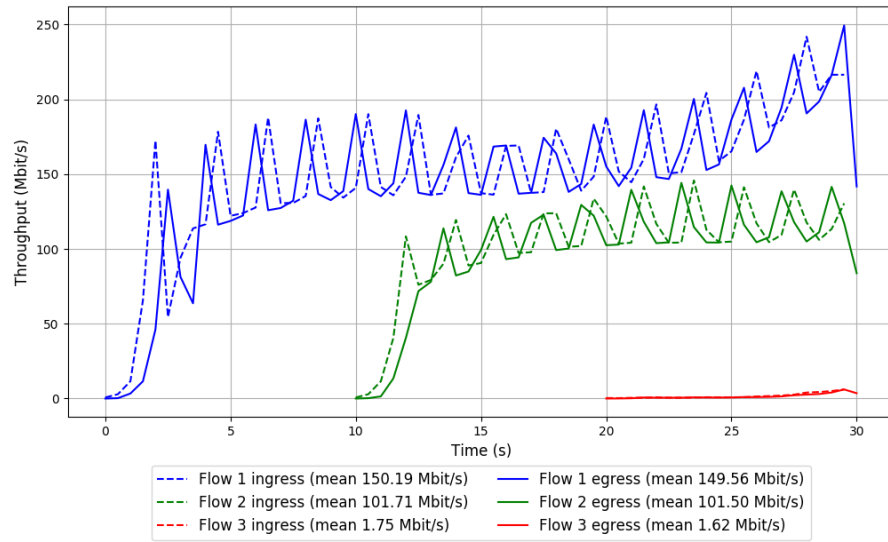


Run 5: Statistics of TCP Cubic

Start at: 2018-08-10 18:24:01
End at: 2018-08-10 18:24:31
Local clock offset: -0.663 ms
Remote clock offset: -3.966 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.46 Mbit/s
95th percentile per-packet one-way delay: 113.140 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 149.56 Mbit/s
95th percentile per-packet one-way delay: 113.964 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 101.50 Mbit/s
95th percentile per-packet one-way delay: 111.896 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 110.745 ms
Loss rate: 9.58%

Run 5: Report of TCP Cubic — Data Link

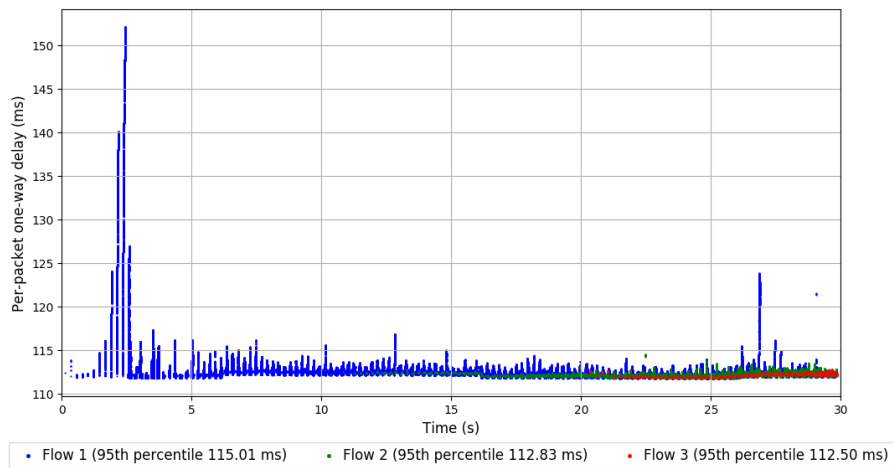
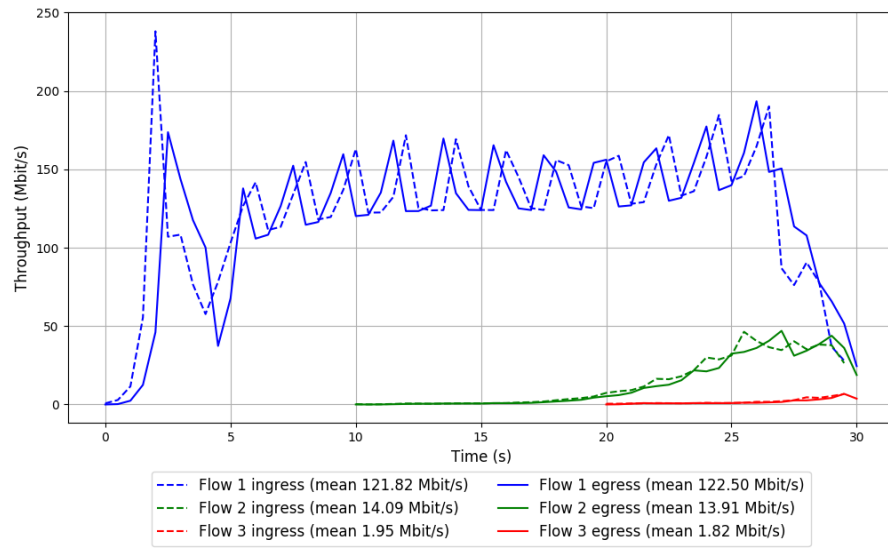


Run 6: Statistics of TCP Cubic

Start at: 2018-08-10 18:51:27
End at: 2018-08-10 18:51:57
Local clock offset: 1.415 ms
Remote clock offset: -3.041 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.31 Mbit/s
95th percentile per-packet one-way delay: 114.766 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 122.50 Mbit/s
95th percentile per-packet one-way delay: 115.008 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 112.833 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 112.497 ms
Loss rate: 8.71%

Run 6: Report of TCP Cubic — Data Link

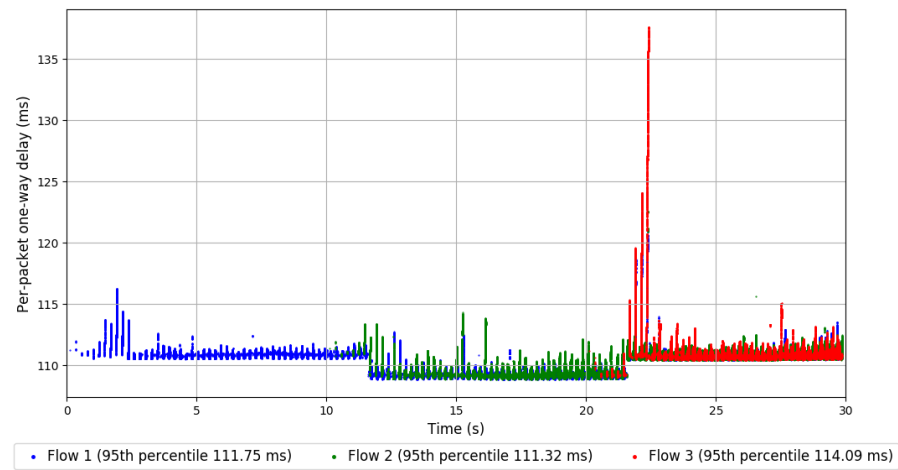
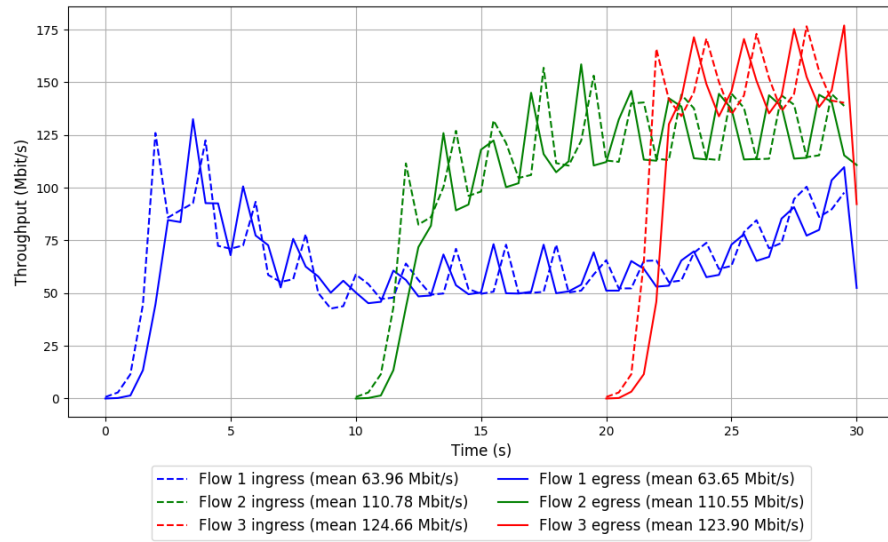


Run 7: Statistics of TCP Cubic

Start at: 2018-08-10 19:18:41
End at: 2018-08-10 19:19:11
Local clock offset: -0.08 ms
Remote clock offset: -2.041 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.62 Mbit/s
95th percentile per-packet one-way delay: 111.750 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 111.750 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 110.55 Mbit/s
95th percentile per-packet one-way delay: 111.322 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 123.90 Mbit/s
95th percentile per-packet one-way delay: 114.090 ms
Loss rate: 2.83%

Run 7: Report of TCP Cubic — Data Link

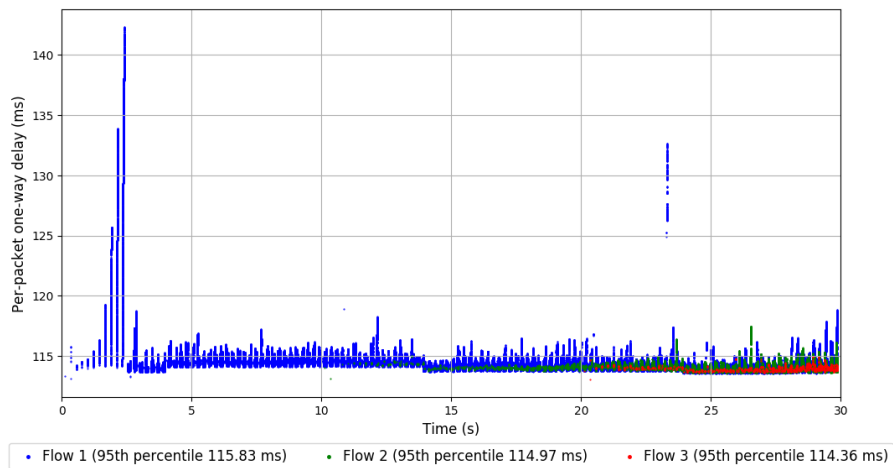
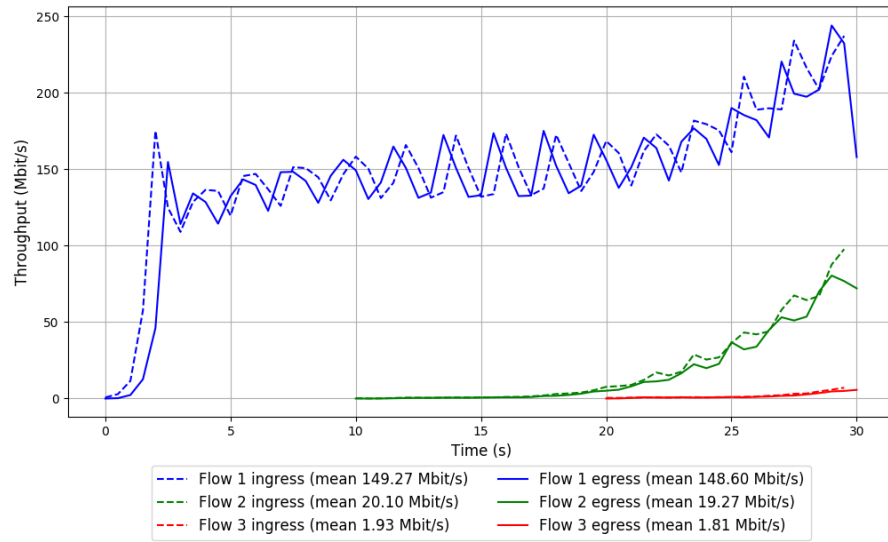


Run 8: Statistics of TCP Cubic

Start at: 2018-08-10 19:46:59
End at: 2018-08-10 19:47:29
Local clock offset: 2.717 ms
Remote clock offset: -1.801 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.98 Mbit/s
95th percentile per-packet one-way delay: 115.768 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 148.60 Mbit/s
95th percentile per-packet one-way delay: 115.830 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 19.27 Mbit/s
95th percentile per-packet one-way delay: 114.968 ms
Loss rate: 5.21%
-- Flow 3:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 114.356 ms
Loss rate: 8.06%

Run 8: Report of TCP Cubic — Data Link

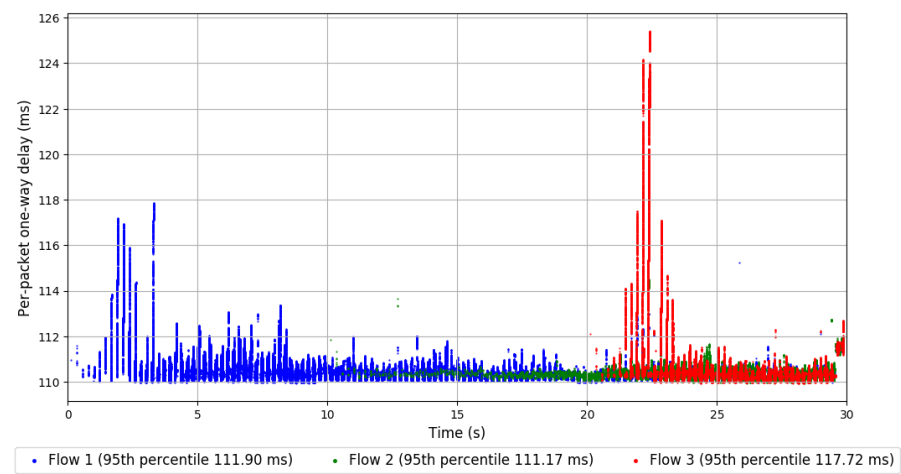
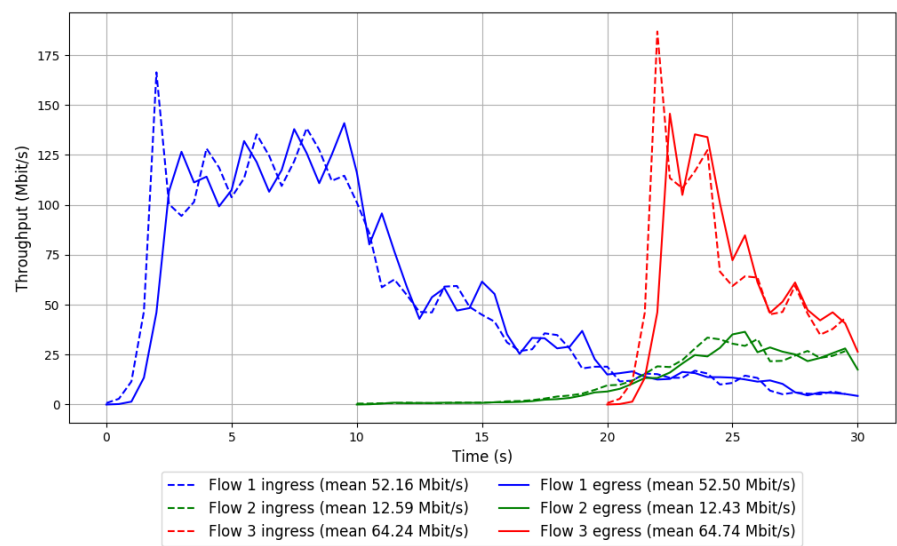


Run 9: Statistics of TCP Cubic

Start at: 2018-08-10 20:14:23
End at: 2018-08-10 20:14:53
Local clock offset: -0.126 ms
Remote clock offset: -0.728 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.90 Mbit/s
95th percentile per-packet one-way delay: 112.907 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 111.899 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 111.168 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 117.715 ms
Loss rate: 1.47%

Run 9: Report of TCP Cubic — Data Link

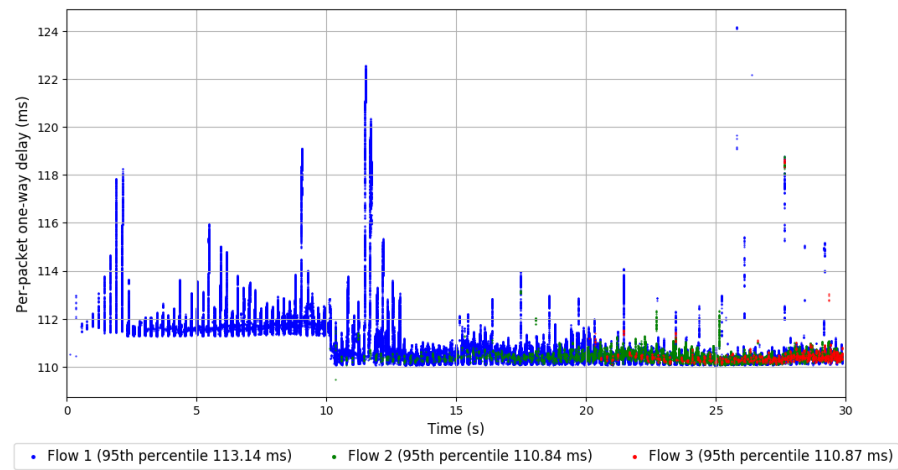
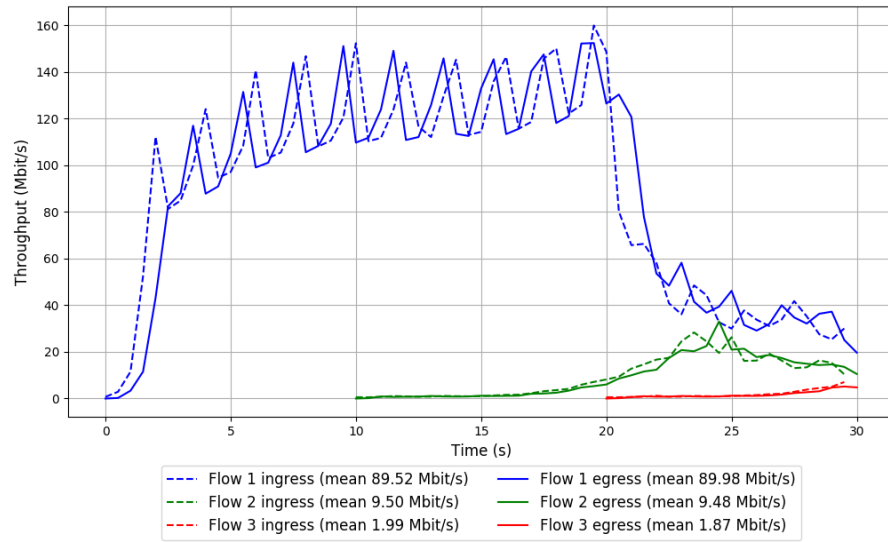


Run 10: Statistics of TCP Cubic

Start at: 2018-08-10 20:41:33
End at: 2018-08-10 20:42:03
Local clock offset: -0.082 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-08-10 21:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 113.067 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 89.98 Mbit/s
95th percentile per-packet one-way delay: 113.144 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 110.839 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 110.871 ms
Loss rate: 8.28%

Run 10: Report of TCP Cubic — Data Link

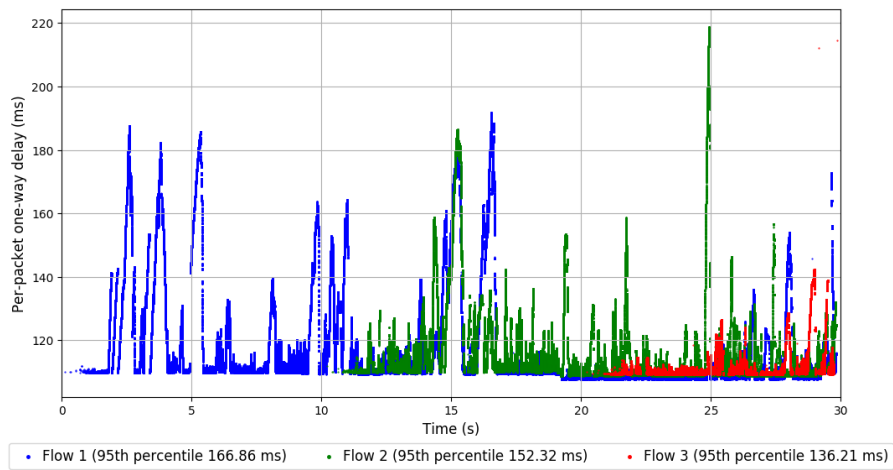
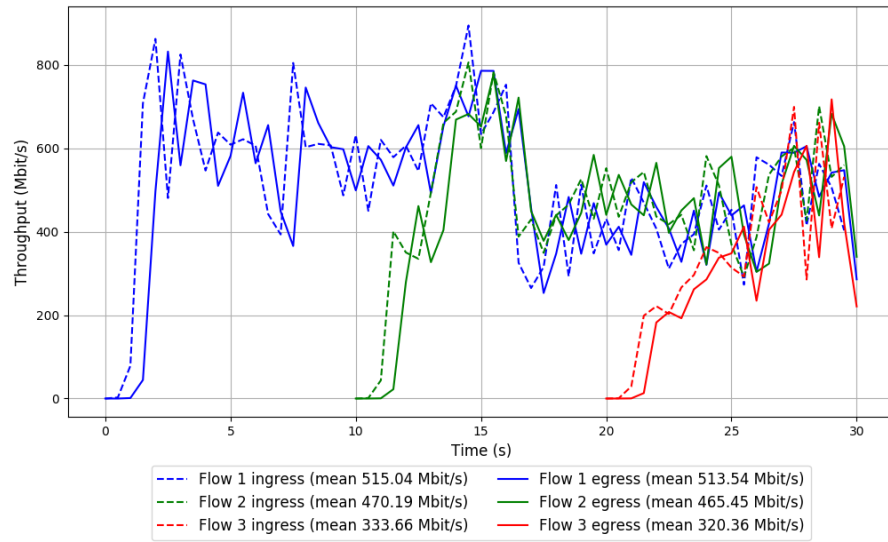


Run 1: Statistics of FillP

Start at: 2018-08-10 16:29:33
End at: 2018-08-10 16:30:03
Local clock offset: -1.569 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-08-10 22:00:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 923.34 Mbit/s
95th percentile per-packet one-way delay: 159.846 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 513.54 Mbit/s
95th percentile per-packet one-way delay: 166.858 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 465.45 Mbit/s
95th percentile per-packet one-way delay: 152.324 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 320.36 Mbit/s
95th percentile per-packet one-way delay: 136.210 ms
Loss rate: 5.80%

Run 1: Report of FillP — Data Link

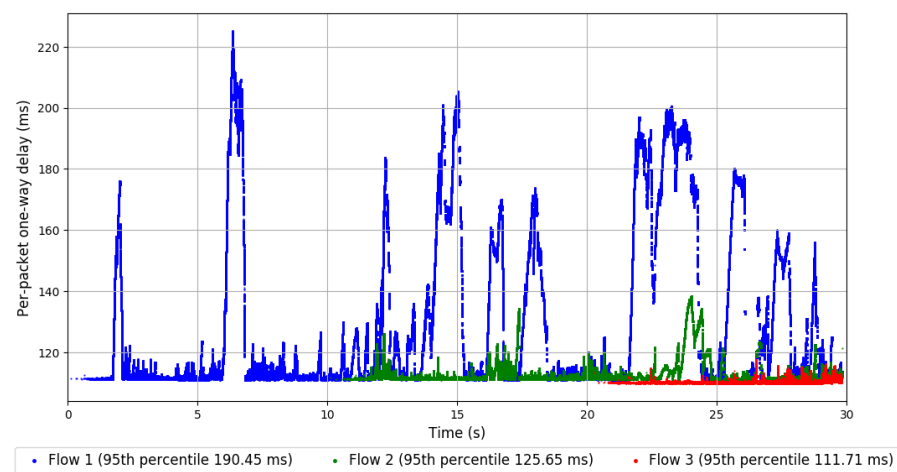
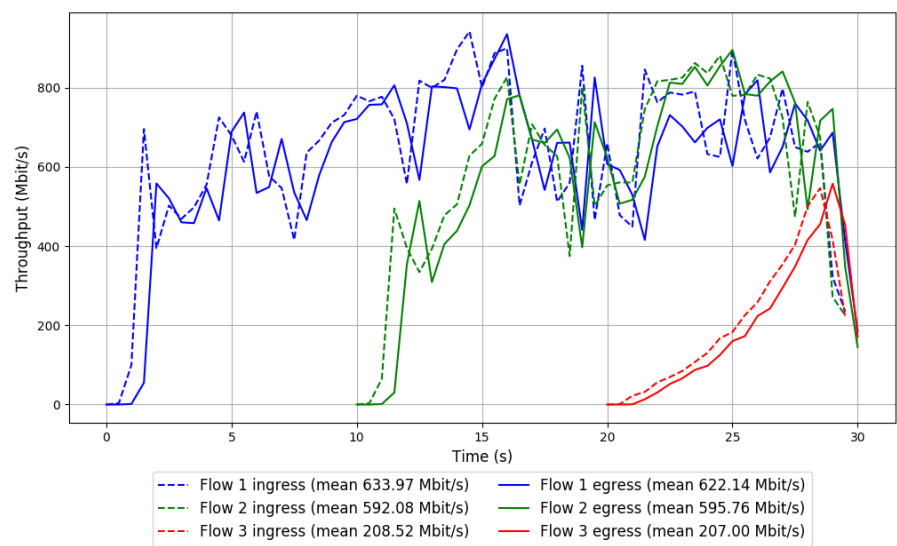


Run 2: Statistics of FillP

Start at: 2018-08-10 16:55:38
End at: 2018-08-10 16:56:08
Local clock offset: -0.25 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-08-10 22:05:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 1083.77 Mbit/s
95th percentile per-packet one-way delay: 182.796 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 622.14 Mbit/s
95th percentile per-packet one-way delay: 190.449 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 595.76 Mbit/s
95th percentile per-packet one-way delay: 125.649 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 207.00 Mbit/s
95th percentile per-packet one-way delay: 111.713 ms
Loss rate: 2.98%

Run 2: Report of FillP — Data Link

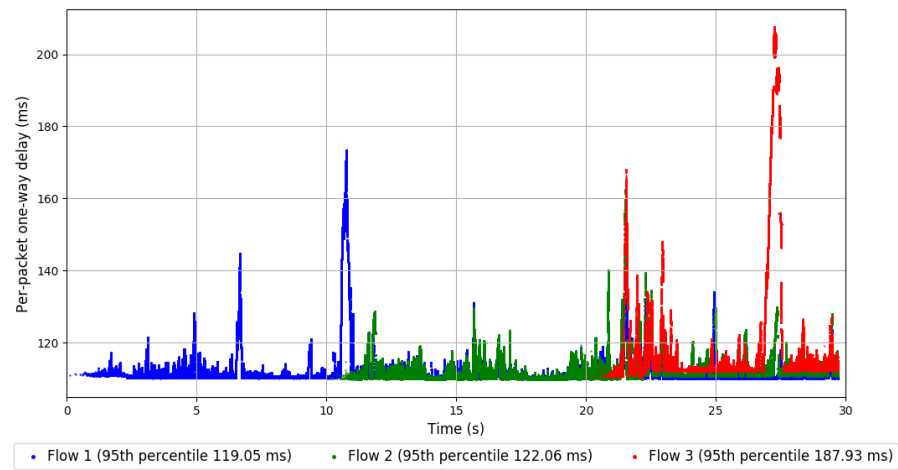
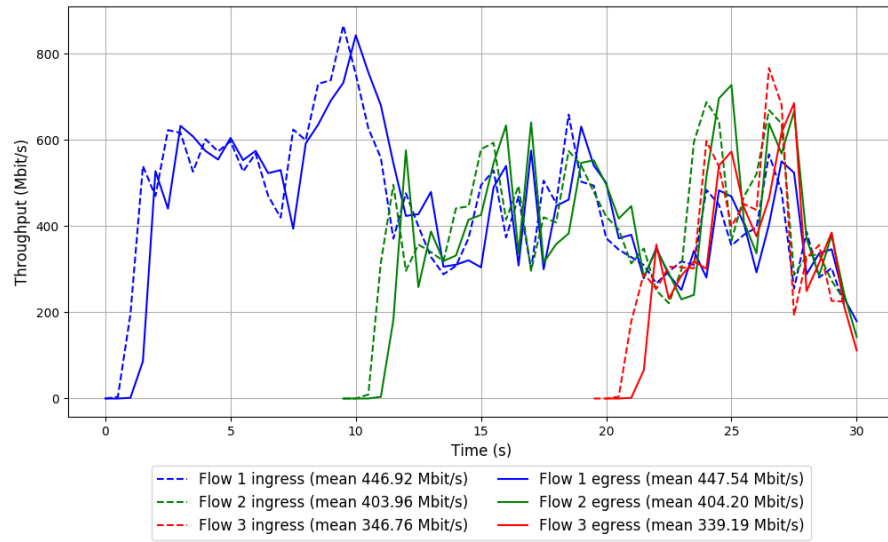


Run 3: Statistics of FillP

Start at: 2018-08-10 17:21:50
End at: 2018-08-10 17:22:20
Local clock offset: -0.219 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-08-10 22:05:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 827.10 Mbit/s
95th percentile per-packet one-way delay: 125.596 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 447.54 Mbit/s
95th percentile per-packet one-way delay: 119.048 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 404.20 Mbit/s
95th percentile per-packet one-way delay: 122.063 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 339.19 Mbit/s
95th percentile per-packet one-way delay: 187.926 ms
Loss rate: 4.43%

Run 3: Report of FillP — Data Link

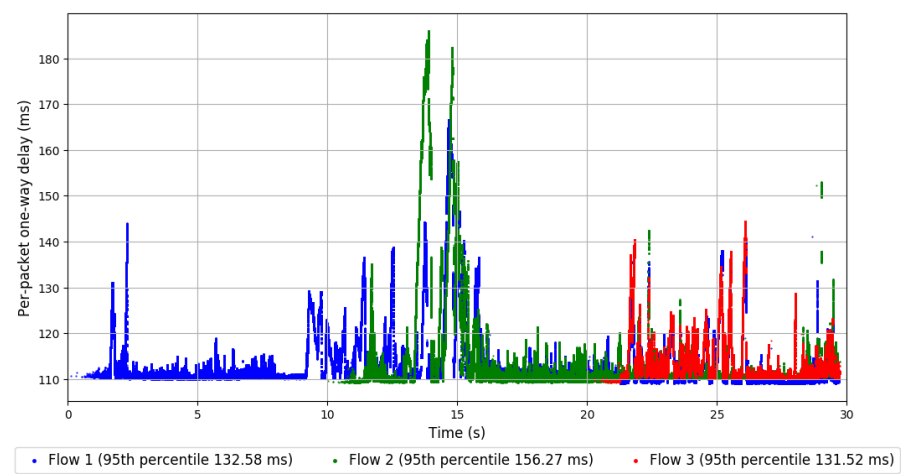
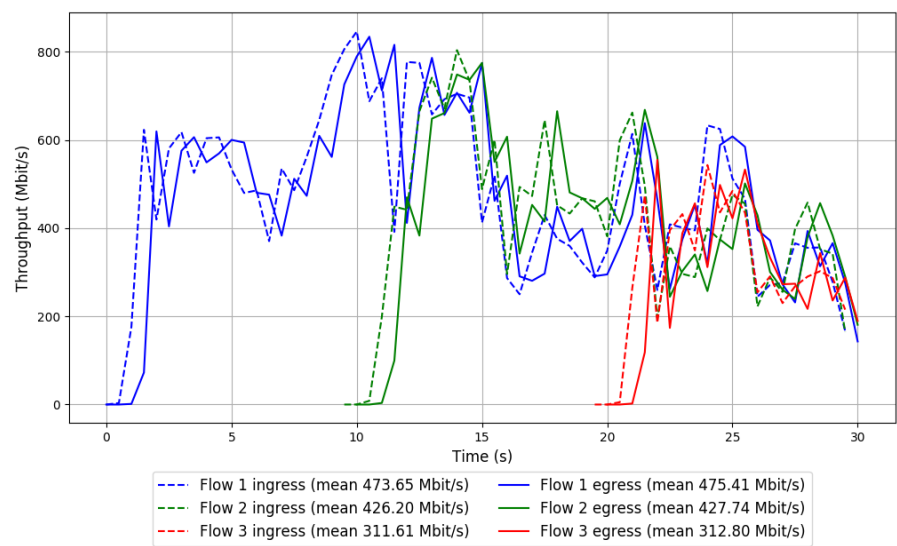


Run 4: Statistics of FillP

Start at: 2018-08-10 17:48:11
End at: 2018-08-10 17:48:41
Local clock offset: -0.886 ms
Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-10 22:05:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 861.87 Mbit/s
95th percentile per-packet one-way delay: 136.177 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 475.41 Mbit/s
95th percentile per-packet one-way delay: 132.580 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 427.74 Mbit/s
95th percentile per-packet one-way delay: 156.268 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 312.80 Mbit/s
95th percentile per-packet one-way delay: 131.517 ms
Loss rate: 1.93%

Run 4: Report of FillP — Data Link

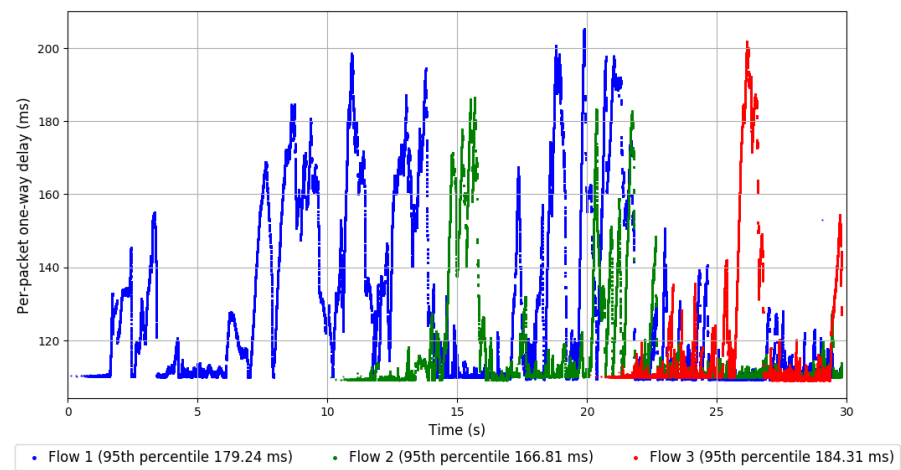
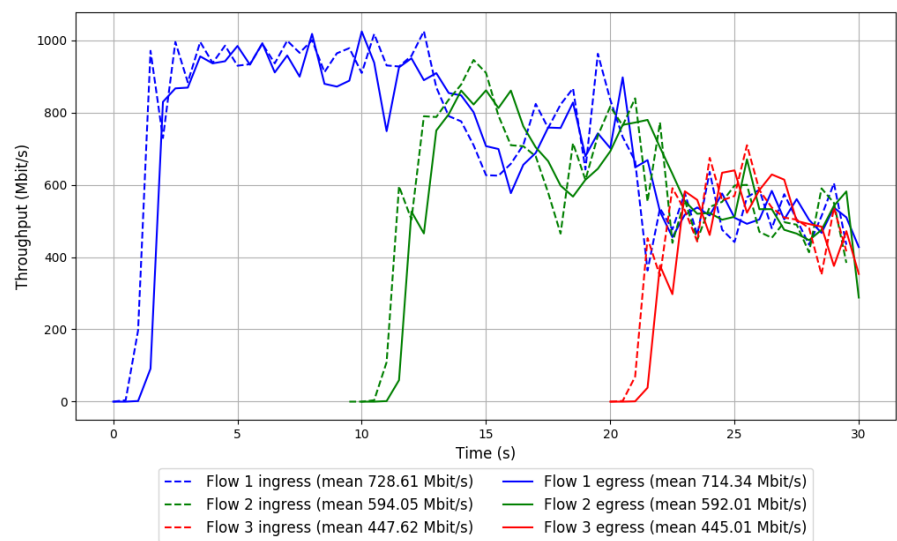


Run 5: Statistics of FillP

Start at: 2018-08-10 18:14:06
End at: 2018-08-10 18:14:36
Local clock offset: -0.825 ms
Remote clock offset: -1.958 ms

Below is generated by plot.py at 2018-08-10 22:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 1252.11 Mbit/s
95th percentile per-packet one-way delay: 175.748 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 714.34 Mbit/s
95th percentile per-packet one-way delay: 179.244 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 592.01 Mbit/s
95th percentile per-packet one-way delay: 166.809 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 445.01 Mbit/s
95th percentile per-packet one-way delay: 184.308 ms
Loss rate: 2.81%

Run 5: Report of FillP — Data Link

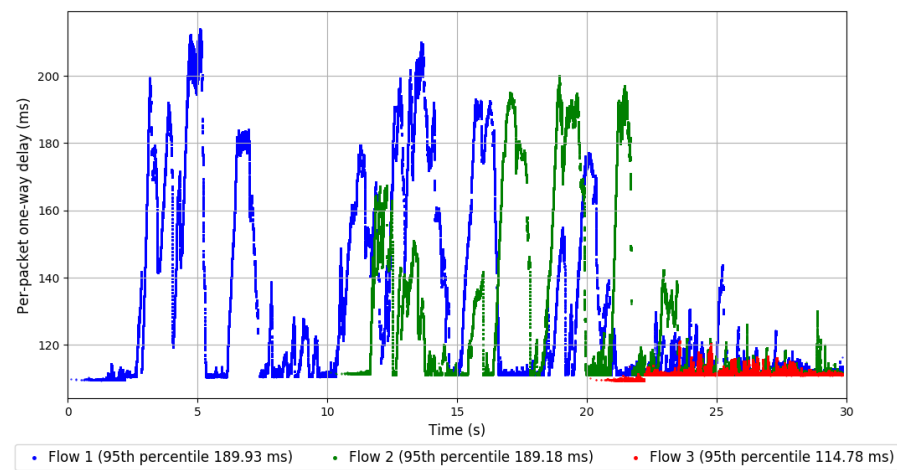
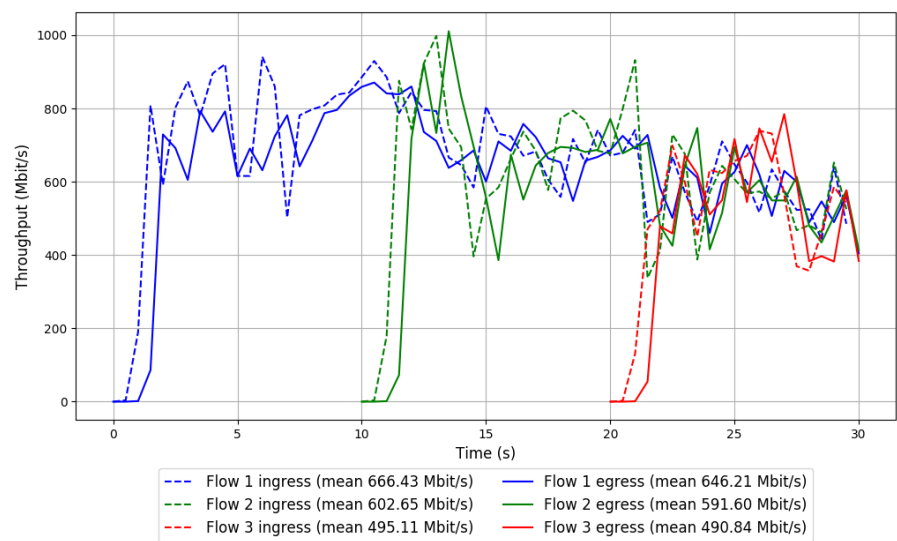


Run 6: Statistics of FillP

Start at: 2018-08-10 18:41:21
End at: 2018-08-10 18:41:51
Local clock offset: -0.065 ms
Remote clock offset: -4.293 ms

Below is generated by plot.py at 2018-08-10 22:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 1198.36 Mbit/s
95th percentile per-packet one-way delay: 188.668 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 646.21 Mbit/s
95th percentile per-packet one-way delay: 189.930 ms
Loss rate: 3.70%
-- Flow 2:
Average throughput: 591.60 Mbit/s
95th percentile per-packet one-way delay: 189.181 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 490.84 Mbit/s
95th percentile per-packet one-way delay: 114.777 ms
Loss rate: 3.00%

Run 6: Report of FillP — Data Link

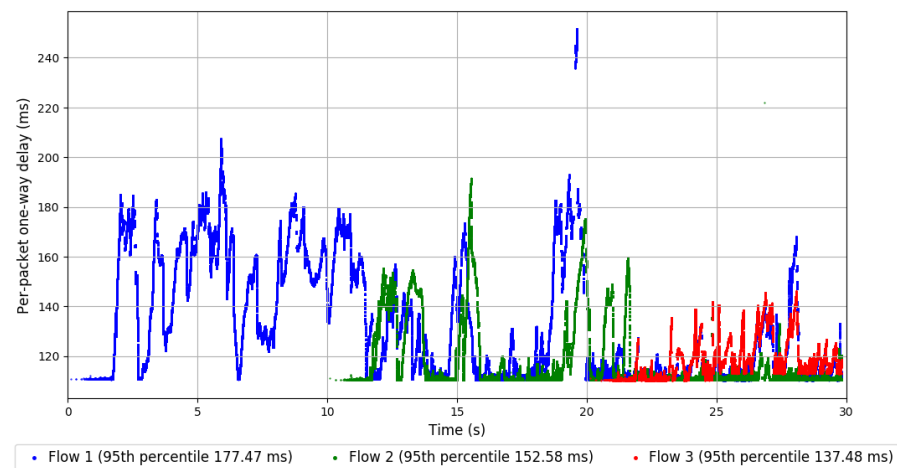
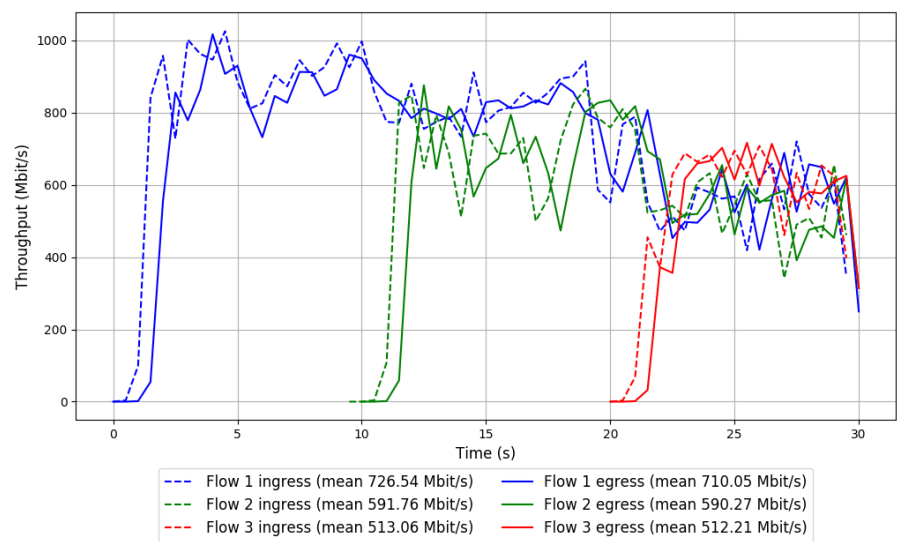


Run 7: Statistics of FillP

Start at: 2018-08-10 19:08:28
End at: 2018-08-10 19:08:58
Local clock offset: -0.198 ms
Remote clock offset: -4.615 ms

Below is generated by plot.py at 2018-08-10 22:10:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 1268.65 Mbit/s
95th percentile per-packet one-way delay: 172.706 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 710.05 Mbit/s
95th percentile per-packet one-way delay: 177.466 ms
Loss rate: 2.99%
-- Flow 2:
Average throughput: 590.27 Mbit/s
95th percentile per-packet one-way delay: 152.582 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 512.21 Mbit/s
95th percentile per-packet one-way delay: 137.477 ms
Loss rate: 2.31%

Run 7: Report of FillP — Data Link

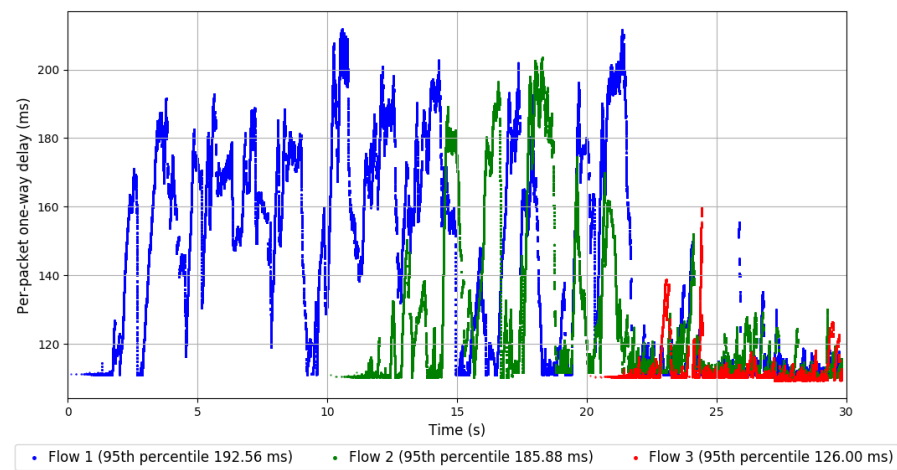
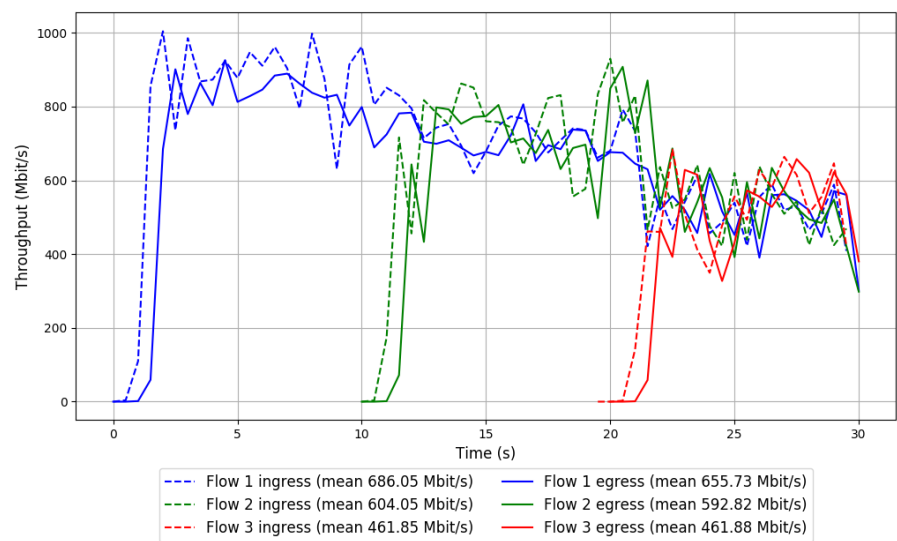


Run 8: Statistics of FillP

Start at: 2018-08-10 19:36:46
End at: 2018-08-10 19:37:16
Local clock offset: -0.016 ms
Remote clock offset: -2.314 ms

Below is generated by plot.py at 2018-08-10 22:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1199.53 Mbit/s
95th percentile per-packet one-way delay: 188.493 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 655.73 Mbit/s
95th percentile per-packet one-way delay: 192.556 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 592.82 Mbit/s
95th percentile per-packet one-way delay: 185.876 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 461.88 Mbit/s
95th percentile per-packet one-way delay: 126.000 ms
Loss rate: 2.28%

Run 8: Report of FillP — Data Link

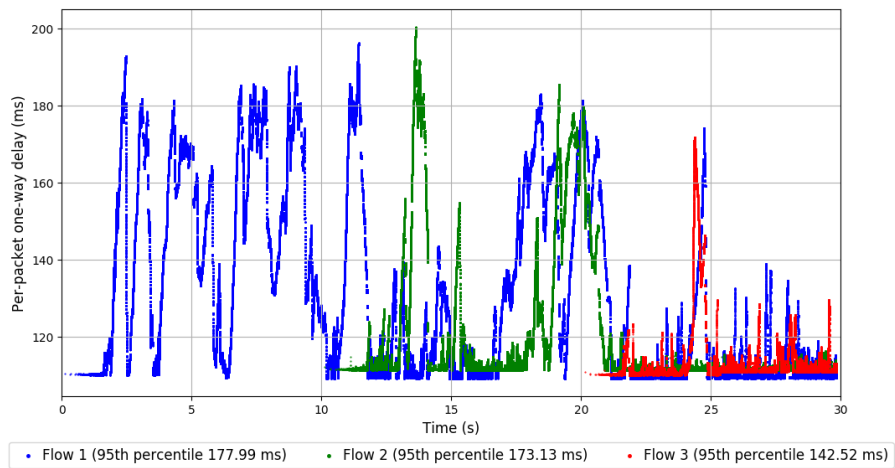
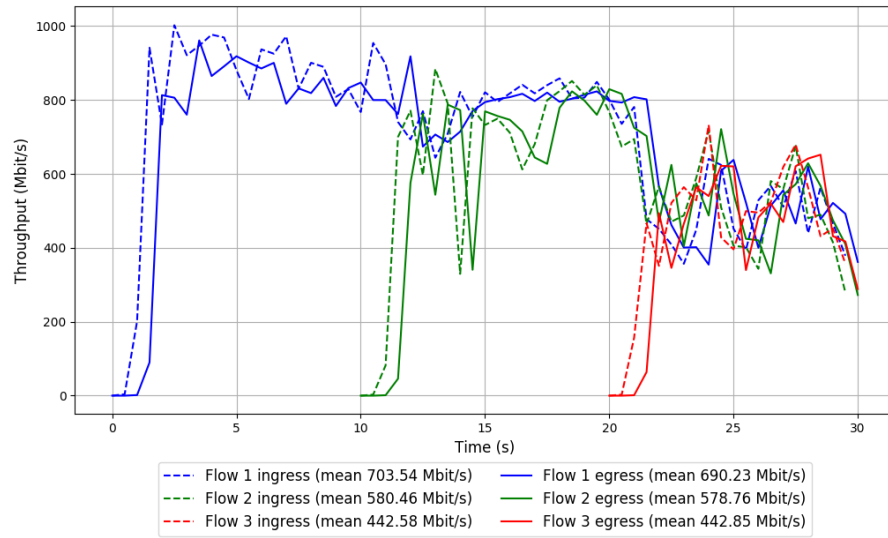


Run 9: Statistics of FillP

Start at: 2018-08-10 20:04:17
End at: 2018-08-10 20:04:47
Local clock offset: -0.071 ms
Remote clock offset: -0.806 ms

Below is generated by plot.py at 2018-08-10 22:25:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1218.12 Mbit/s
95th percentile per-packet one-way delay: 176.465 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 690.23 Mbit/s
95th percentile per-packet one-way delay: 177.991 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 578.76 Mbit/s
95th percentile per-packet one-way delay: 173.128 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 442.85 Mbit/s
95th percentile per-packet one-way delay: 142.522 ms
Loss rate: 2.17%

Run 9: Report of FillP — Data Link

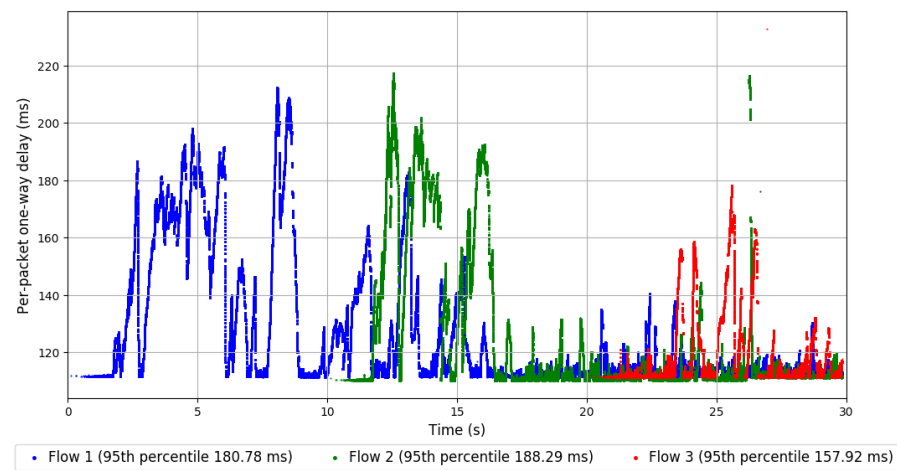
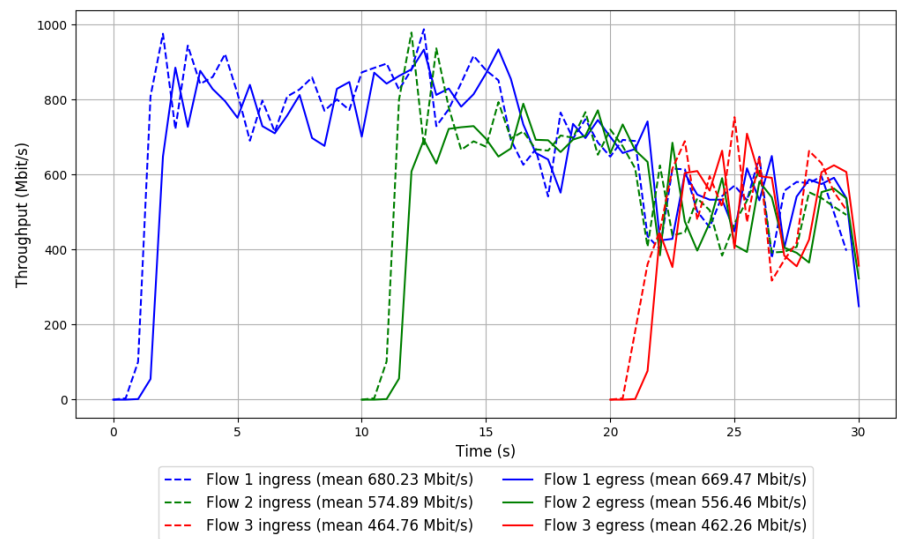


Run 10: Statistics of FillP

Start at: 2018-08-10 20:31:27
End at: 2018-08-10 20:31:57
Local clock offset: -0.022 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-08-10 22:26:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1189.54 Mbit/s
95th percentile per-packet one-way delay: 182.182 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 669.47 Mbit/s
95th percentile per-packet one-way delay: 180.779 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 556.46 Mbit/s
95th percentile per-packet one-way delay: 188.289 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 462.26 Mbit/s
95th percentile per-packet one-way delay: 157.923 ms
Loss rate: 2.77%

Run 10: Report of FillP — Data Link

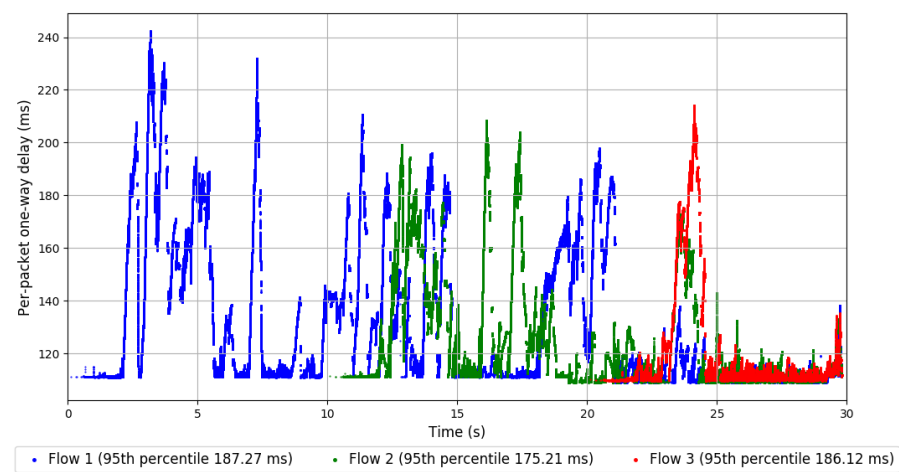
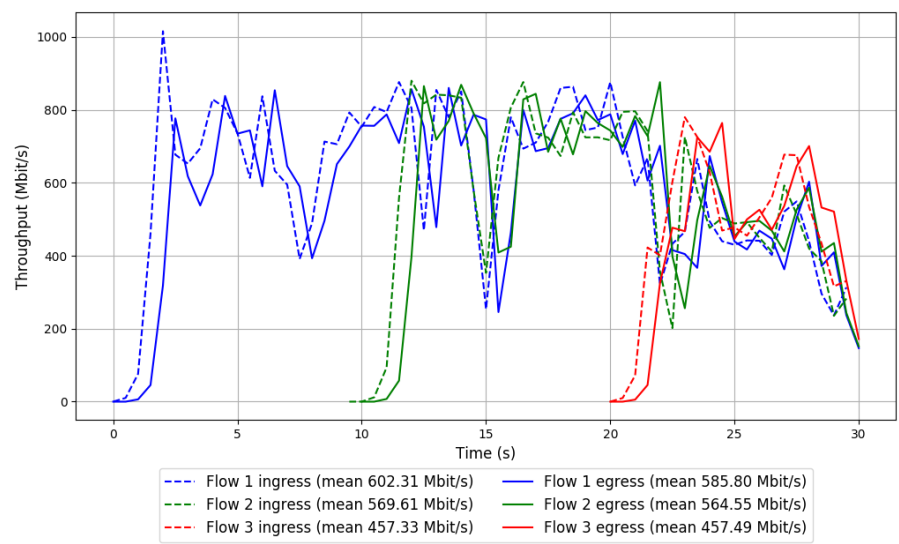


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-10 16:40:33
End at: 2018-08-10 16:41:03
Local clock offset: -0.144 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-08-10 22:26:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1109.86 Mbit/s
95th percentile per-packet one-way delay: 184.822 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 585.80 Mbit/s
95th percentile per-packet one-way delay: 187.272 ms
Loss rate: 3.46%
-- Flow 2:
Average throughput: 564.55 Mbit/s
95th percentile per-packet one-way delay: 175.207 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 457.49 Mbit/s
95th percentile per-packet one-way delay: 186.116 ms
Loss rate: 2.20%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-10 17:06:40

End at: 2018-08-10 17:07:10

Local clock offset: -0.105 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-08-10 22:26:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 983.20 Mbit/s

95th percentile per-packet one-way delay: 153.396 ms

Loss rate: 1.78%

-- Flow 1:

Average throughput: 531.90 Mbit/s

95th percentile per-packet one-way delay: 164.070 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 504.54 Mbit/s

95th percentile per-packet one-way delay: 143.901 ms

Loss rate: 1.53%

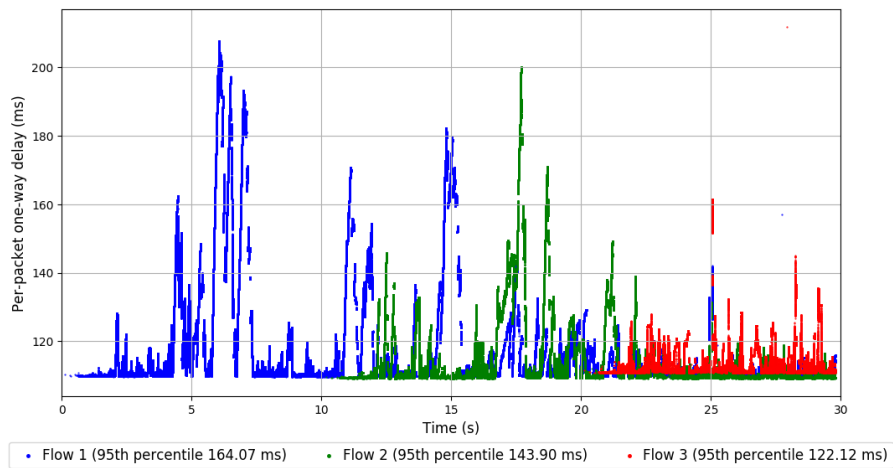
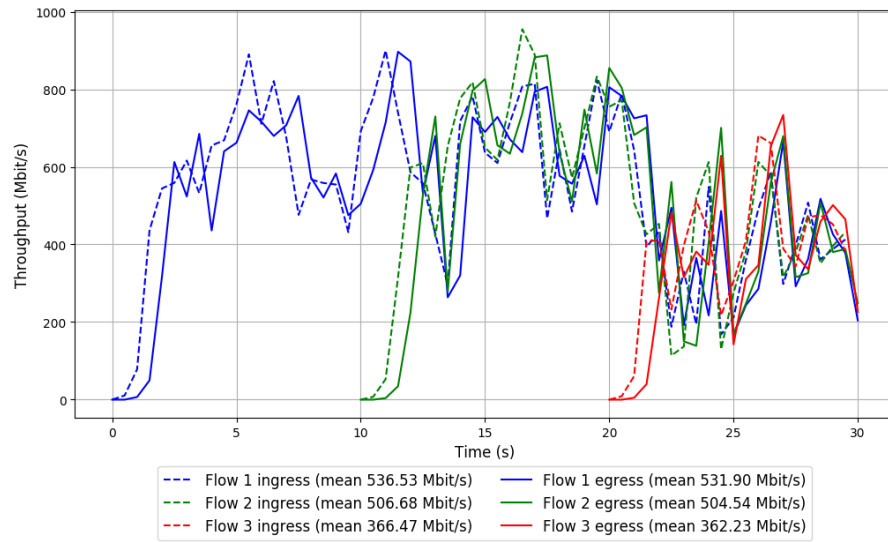
-- Flow 3:

Average throughput: 362.23 Mbit/s

95th percentile per-packet one-way delay: 122.124 ms

Loss rate: 3.37%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-10 17:32:52

End at: 2018-08-10 17:33:22

Local clock offset: -1.592 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-08-10 22:31:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 1019.76 Mbit/s

95th percentile per-packet one-way delay: 155.247 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 583.89 Mbit/s

95th percentile per-packet one-way delay: 152.319 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 480.31 Mbit/s

95th percentile per-packet one-way delay: 161.199 ms

Loss rate: 1.20%

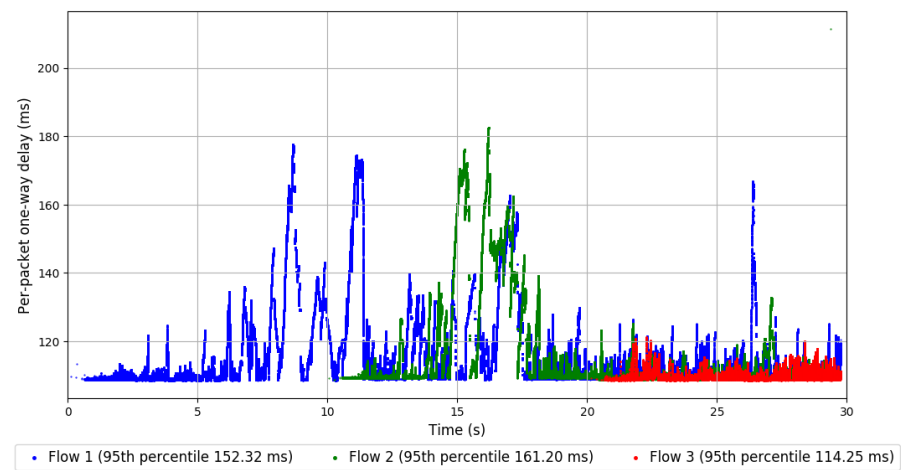
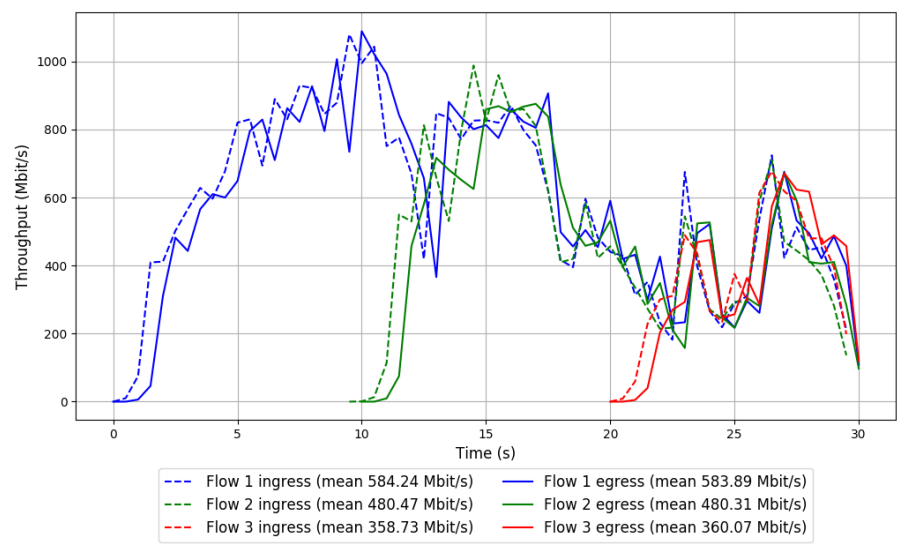
-- Flow 3:

Average throughput: 360.07 Mbit/s

95th percentile per-packet one-way delay: 114.249 ms

Loss rate: 1.91%

Run 3: Report of FillP-Sheep — Data Link

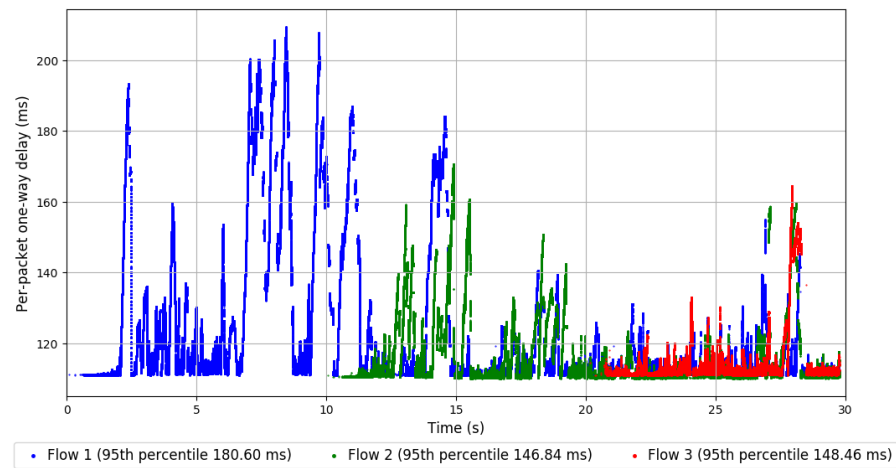
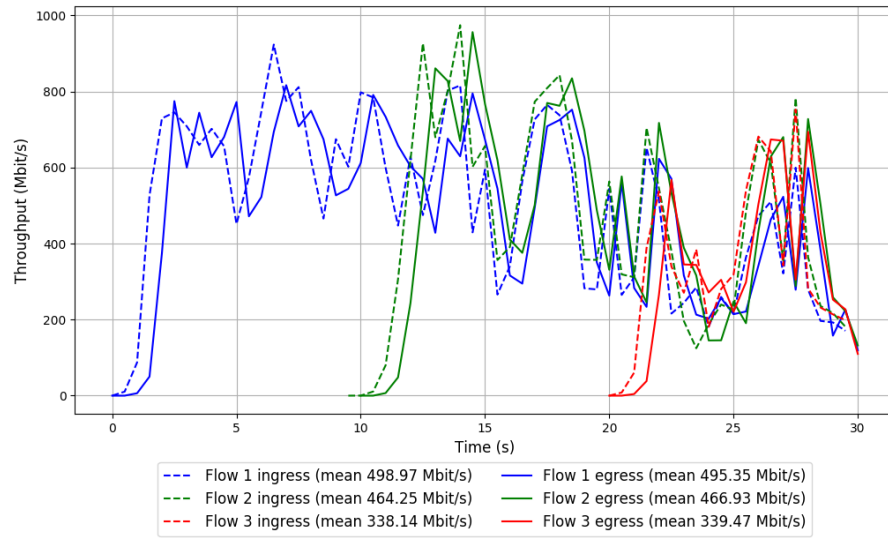


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-10 17:58:58
End at: 2018-08-10 17:59:28
Local clock offset: -0.211 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-08-10 22:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 915.35 Mbit/s
95th percentile per-packet one-way delay: 170.283 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 495.35 Mbit/s
95th percentile per-packet one-way delay: 180.603 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 466.93 Mbit/s
95th percentile per-packet one-way delay: 146.844 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 339.47 Mbit/s
95th percentile per-packet one-way delay: 148.461 ms
Loss rate: 1.95%

Run 4: Report of FillP-Sheep — Data Link

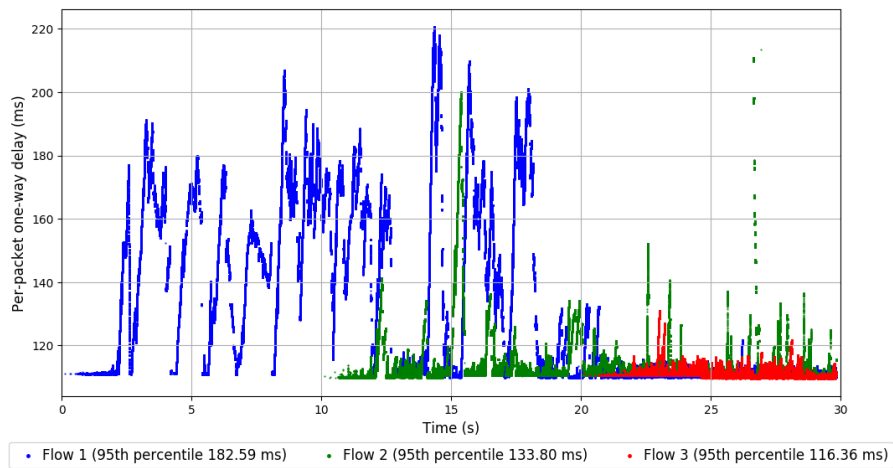
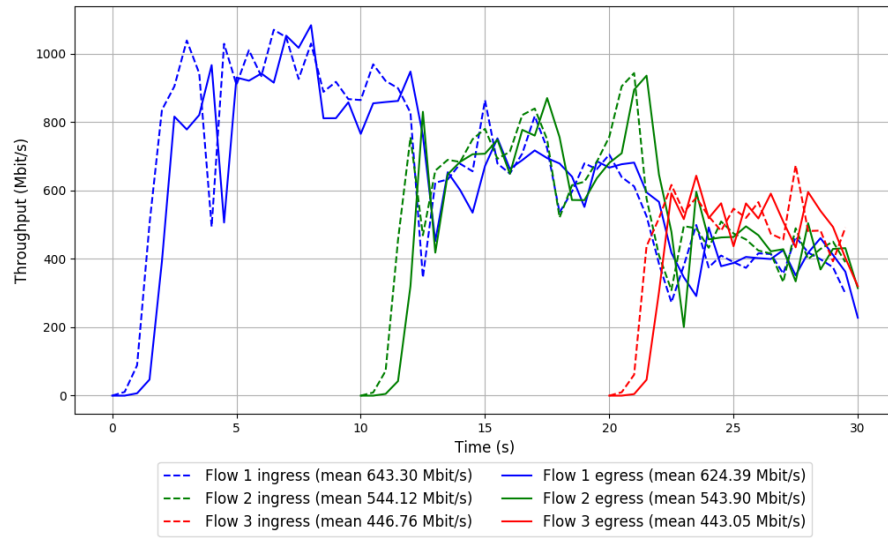


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-10 18:25:28
End at: 2018-08-10 18:25:58
Local clock offset: -0.21 ms
Remote clock offset: -4.624 ms

```
# Below is generated by plot.py at 2018-08-10 22:35:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1129.83 Mbit/s
95th percentile per-packet one-way delay: 176.019 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 624.39 Mbit/s
95th percentile per-packet one-way delay: 182.586 ms
Loss rate: 3.67%
-- Flow 2:
Average throughput: 543.90 Mbit/s
95th percentile per-packet one-way delay: 133.797 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 443.05 Mbit/s
95th percentile per-packet one-way delay: 116.364 ms
Loss rate: 2.94%
```


Run 5: Report of FillP-Sheep — Data Link

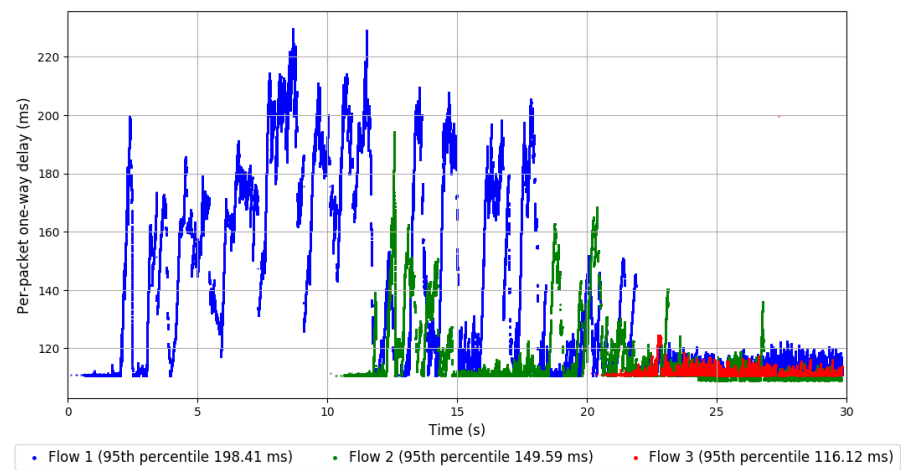
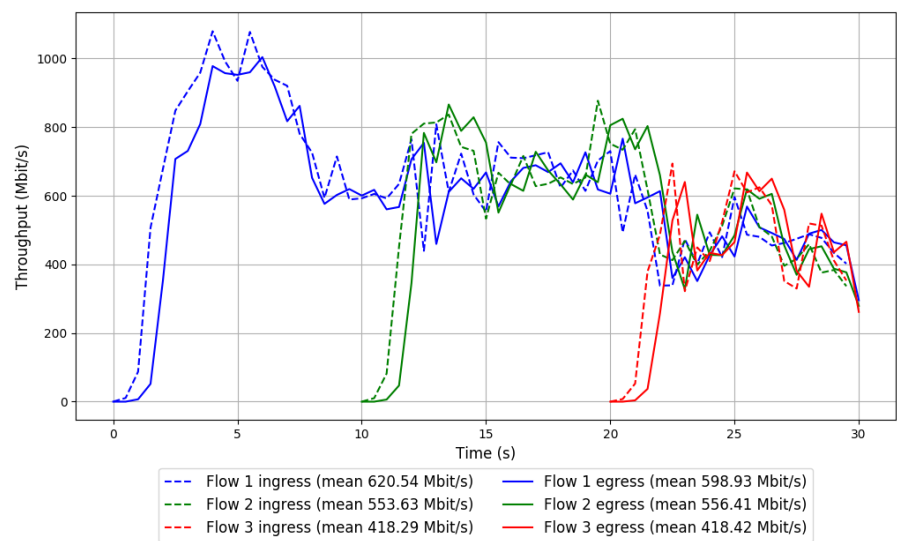


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-10 18:52:48
End at: 2018-08-10 18:53:18
Local clock offset: -0.204 ms
Remote clock offset: -3.515 ms

Below is generated by plot.py at 2018-08-10 22:37:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 1103.69 Mbit/s
95th percentile per-packet one-way delay: 190.931 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 598.93 Mbit/s
95th percentile per-packet one-way delay: 198.407 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 556.41 Mbit/s
95th percentile per-packet one-way delay: 149.585 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 418.42 Mbit/s
95th percentile per-packet one-way delay: 116.123 ms
Loss rate: 2.28%

Run 6: Report of FillP-Sheep — Data Link

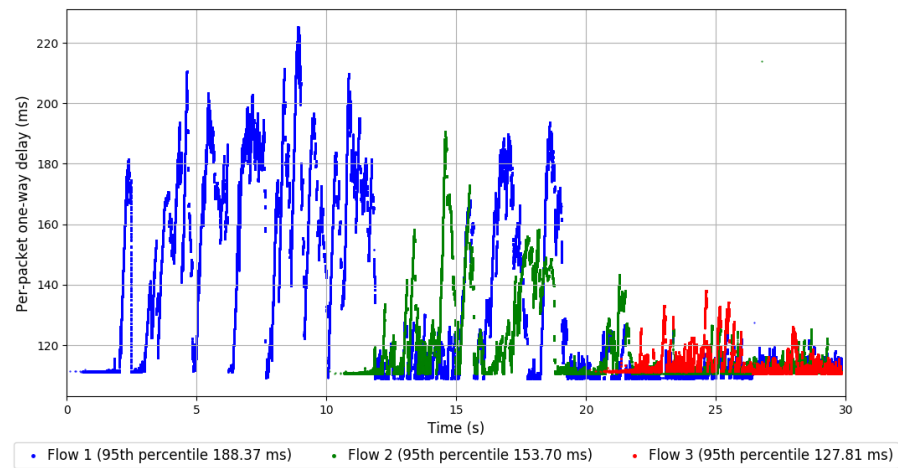
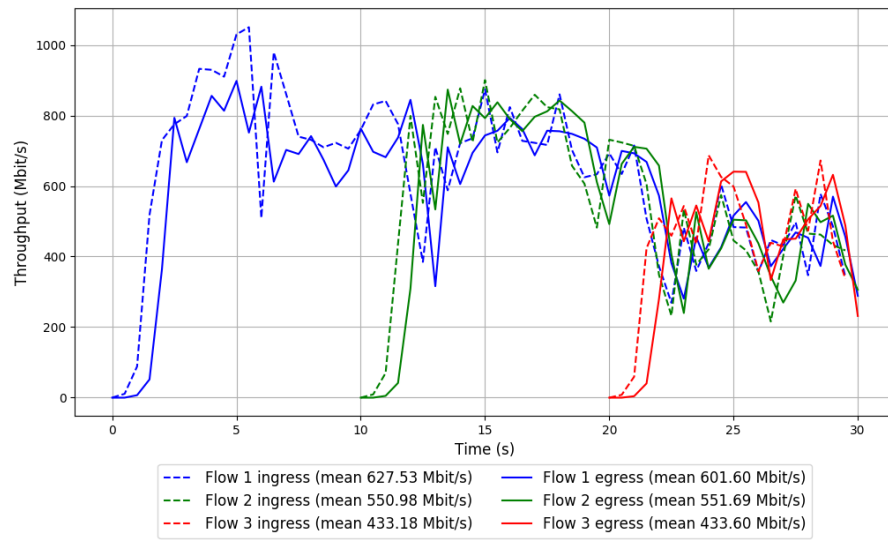


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-10 19:20:06
End at: 2018-08-10 19:20:36
Local clock offset: -0.072 ms
Remote clock offset: -1.899 ms

Below is generated by plot.py at 2018-08-10 22:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1108.60 Mbit/s
95th percentile per-packet one-way delay: 182.609 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 601.60 Mbit/s
95th percentile per-packet one-way delay: 188.369 ms
Loss rate: 4.79%
-- Flow 2:
Average throughput: 551.69 Mbit/s
95th percentile per-packet one-way delay: 153.704 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 433.60 Mbit/s
95th percentile per-packet one-way delay: 127.806 ms
Loss rate: 2.13%

Run 7: Report of FillP-Sheep — Data Link

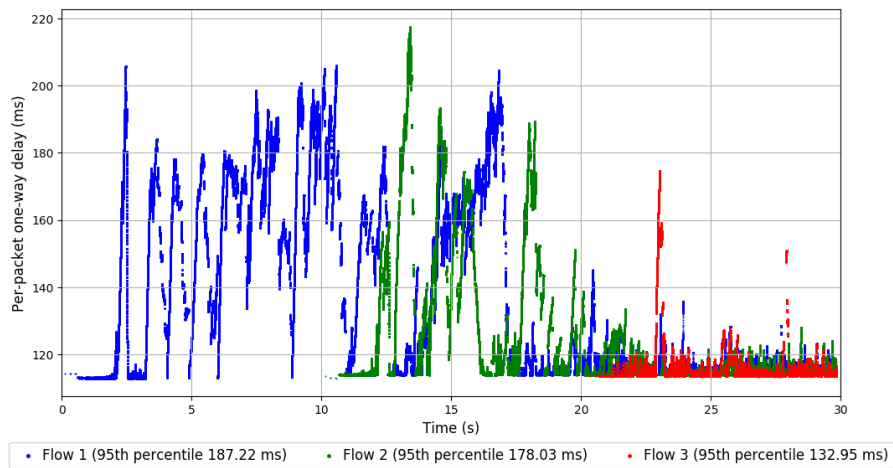
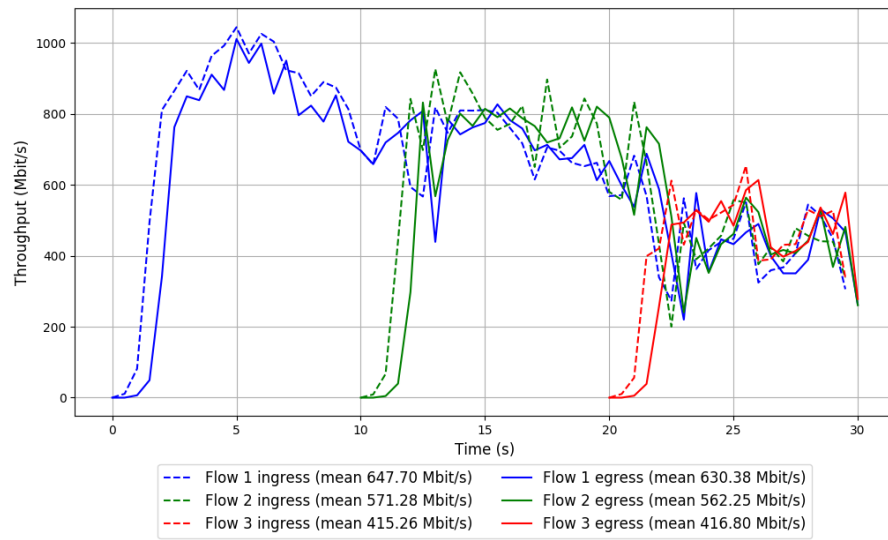


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-10 19:48:22
End at: 2018-08-10 19:48:52
Local clock offset: 2.612 ms
Remote clock offset: -1.555 ms

```
# Below is generated by plot.py at 2018-08-10 22:52:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1138.71 Mbit/s
95th percentile per-packet one-way delay: 182.853 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 630.38 Mbit/s
95th percentile per-packet one-way delay: 187.224 ms
Loss rate: 3.39%
-- Flow 2:
Average throughput: 562.25 Mbit/s
95th percentile per-packet one-way delay: 178.026 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 416.80 Mbit/s
95th percentile per-packet one-way delay: 132.948 ms
Loss rate: 1.87%
```

Run 8: Report of FillP-Sheep — Data Link

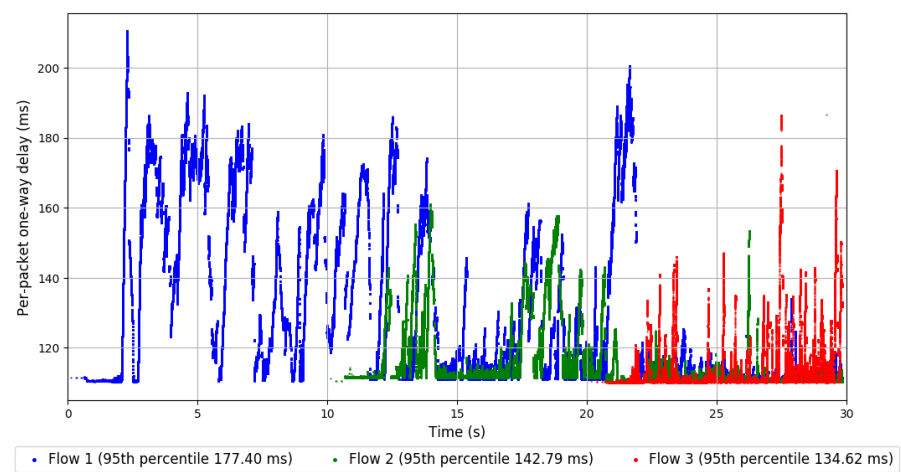
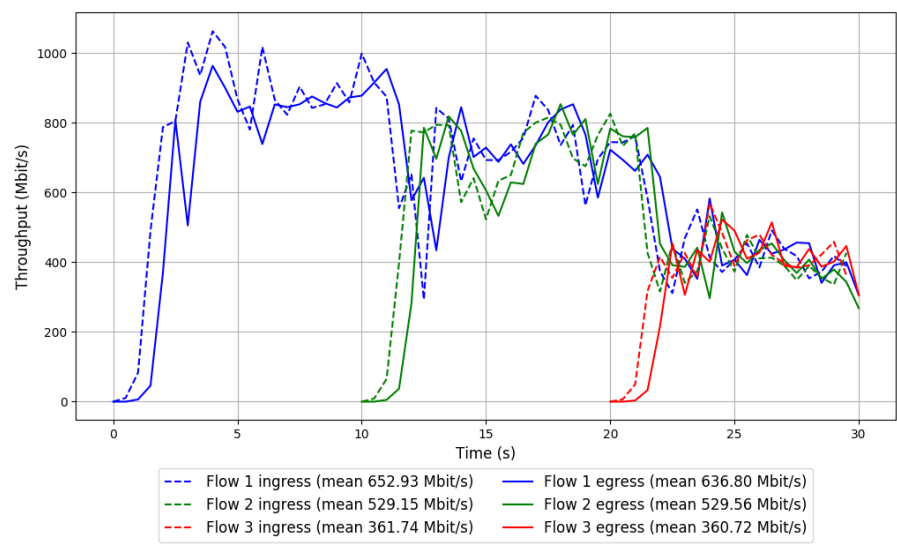


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-10 20:15:42
End at: 2018-08-10 20:16:12
Local clock offset: -0.058 ms
Remote clock offset: -0.828 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1105.07 Mbit/s
95th percentile per-packet one-way delay: 173.748 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 636.80 Mbit/s
95th percentile per-packet one-way delay: 177.395 ms
Loss rate: 3.19%
-- Flow 2:
Average throughput: 529.56 Mbit/s
95th percentile per-packet one-way delay: 142.789 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 360.72 Mbit/s
95th percentile per-packet one-way delay: 134.621 ms
Loss rate: 2.51%

Run 9: Report of FillP-Sheep — Data Link

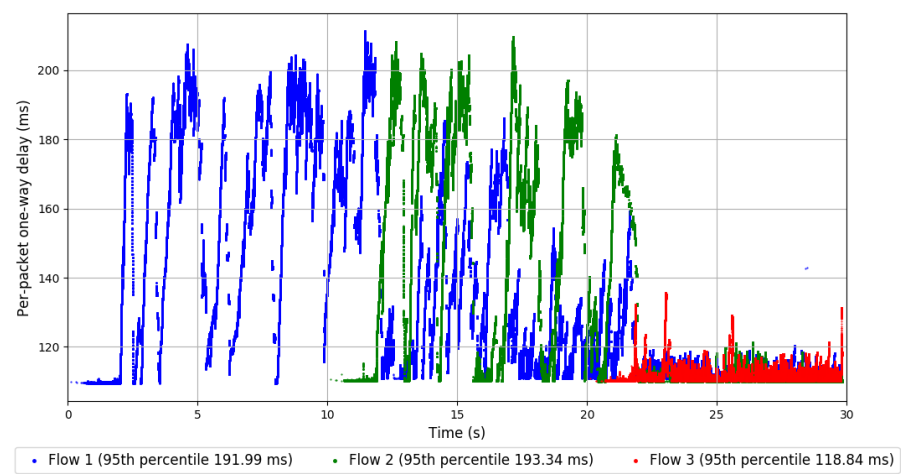
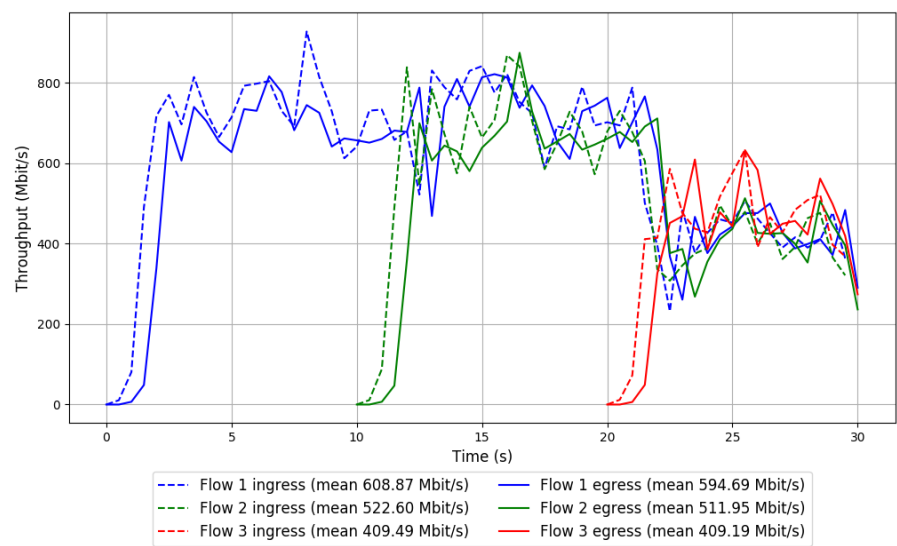


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-10 20:42:53
End at: 2018-08-10 20:43:23
Local clock offset: -0.066 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1067.27 Mbit/s
95th percentile per-packet one-way delay: 191.518 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 594.69 Mbit/s
95th percentile per-packet one-way delay: 191.990 ms
Loss rate: 3.11%
-- Flow 2:
Average throughput: 511.95 Mbit/s
95th percentile per-packet one-way delay: 193.339 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 409.19 Mbit/s
95th percentile per-packet one-way delay: 118.841 ms
Loss rate: 2.32%

Run 10: Report of FillP-Sheep — Data Link

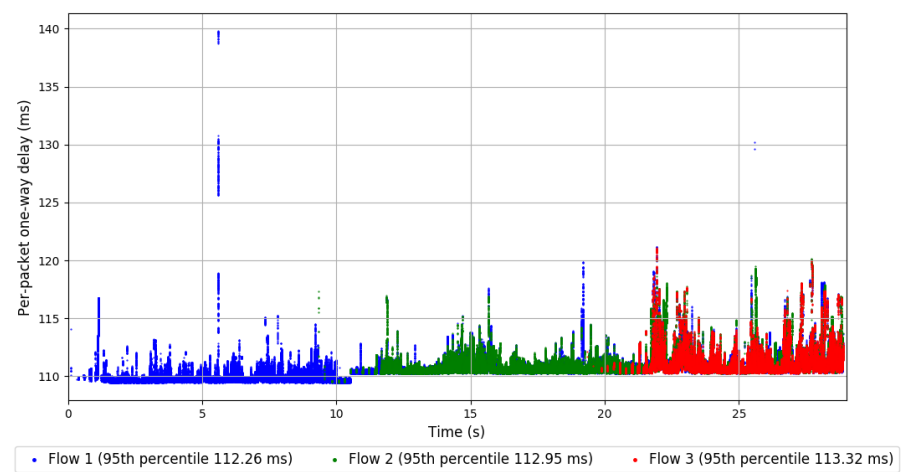
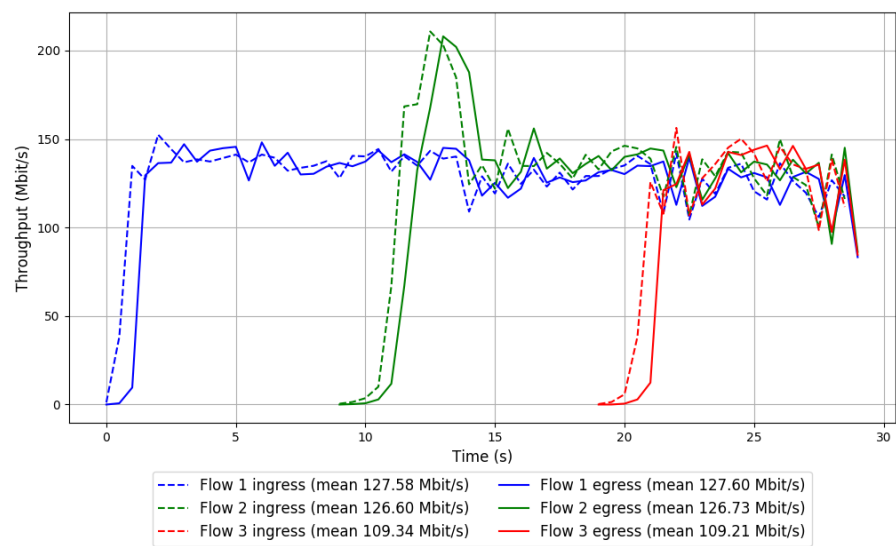


Run 1: Statistics of Indigo

Start at: 2018-08-10 16:31:31
End at: 2018-08-10 16:32:01
Local clock offset: -0.792 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.92 Mbit/s
95th percentile per-packet one-way delay: 112.686 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 127.60 Mbit/s
95th percentile per-packet one-way delay: 112.263 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 126.73 Mbit/s
95th percentile per-packet one-way delay: 112.951 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 109.21 Mbit/s
95th percentile per-packet one-way delay: 113.324 ms
Loss rate: 2.38%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-10 16:57:43

End at: 2018-08-10 16:58:13

Local clock offset: -0.008 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-08-10 22:52:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 263.95 Mbit/s

95th percentile per-packet one-way delay: 111.651 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 135.64 Mbit/s

95th percentile per-packet one-way delay: 111.692 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 135.63 Mbit/s

95th percentile per-packet one-way delay: 111.791 ms

Loss rate: 1.23%

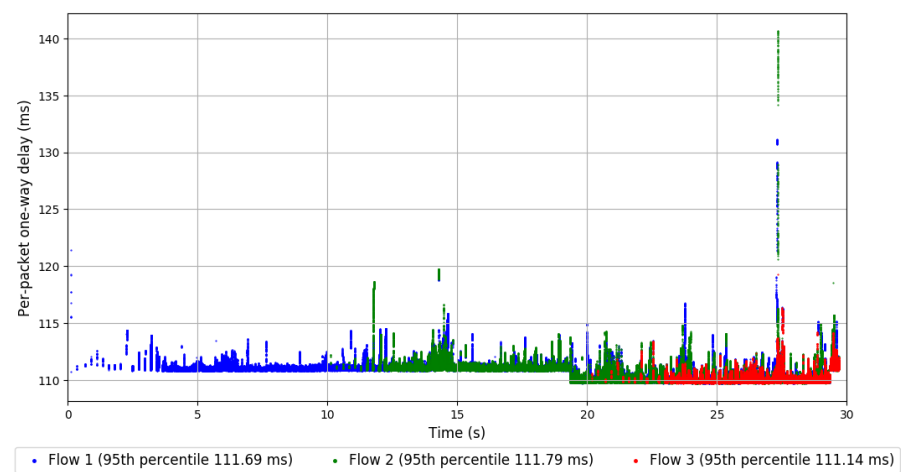
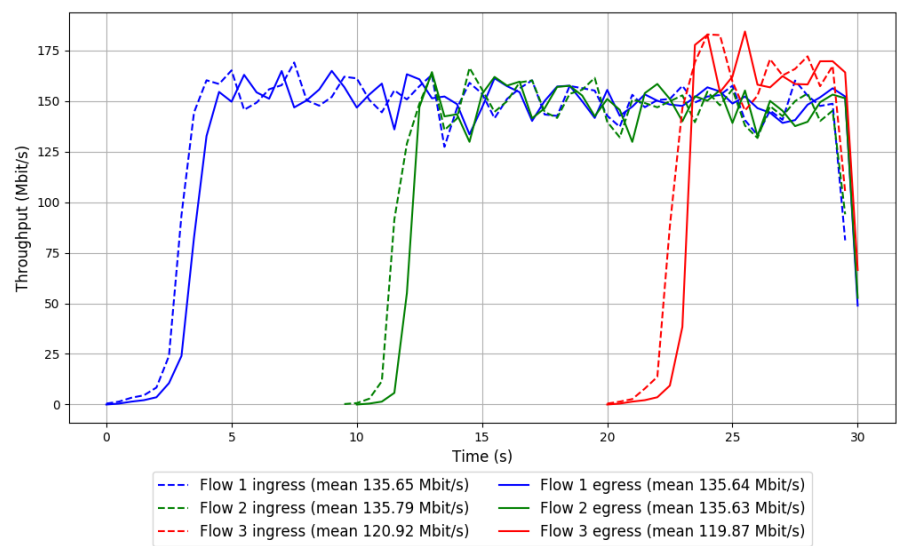
-- Flow 3:

Average throughput: 119.87 Mbit/s

95th percentile per-packet one-way delay: 111.140 ms

Loss rate: 3.13%

Run 2: Report of Indigo — Data Link

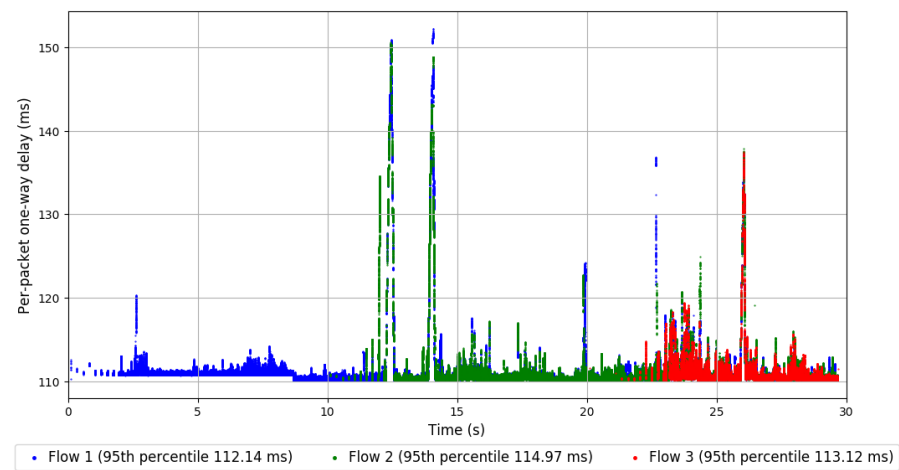
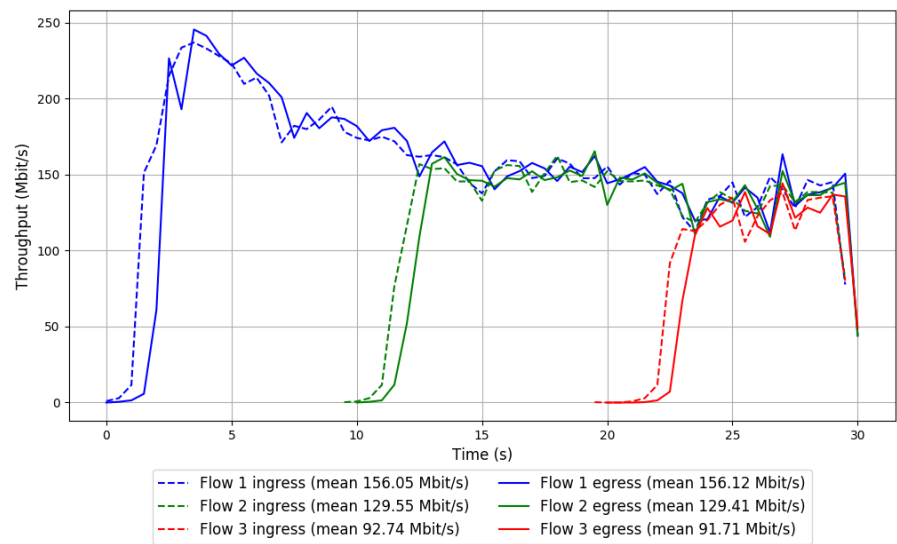


Run 3: Statistics of Indigo

Start at: 2018-08-10 17:23:44
End at: 2018-08-10 17:24:14
Local clock offset: 0.007 ms
Remote clock offset: -0.303 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.47 Mbit/s
95th percentile per-packet one-way delay: 112.858 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 156.12 Mbit/s
95th percentile per-packet one-way delay: 112.141 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 129.41 Mbit/s
95th percentile per-packet one-way delay: 114.975 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 113.123 ms
Loss rate: 3.34%

Run 3: Report of Indigo — Data Link

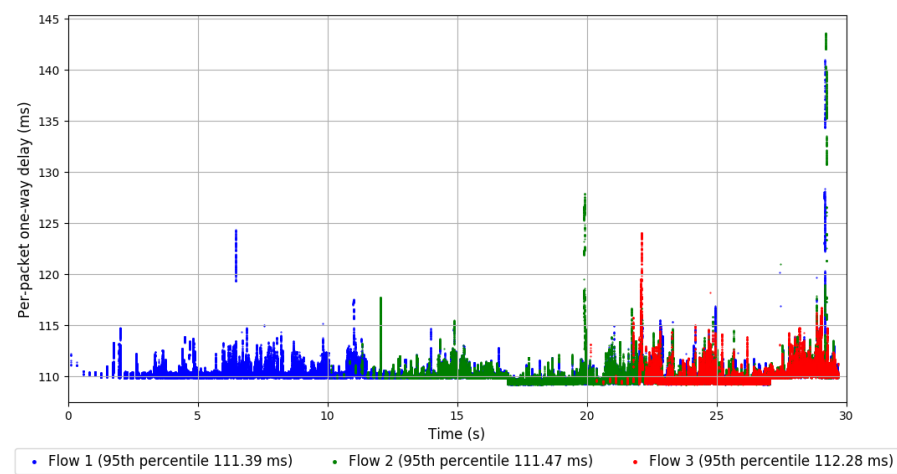
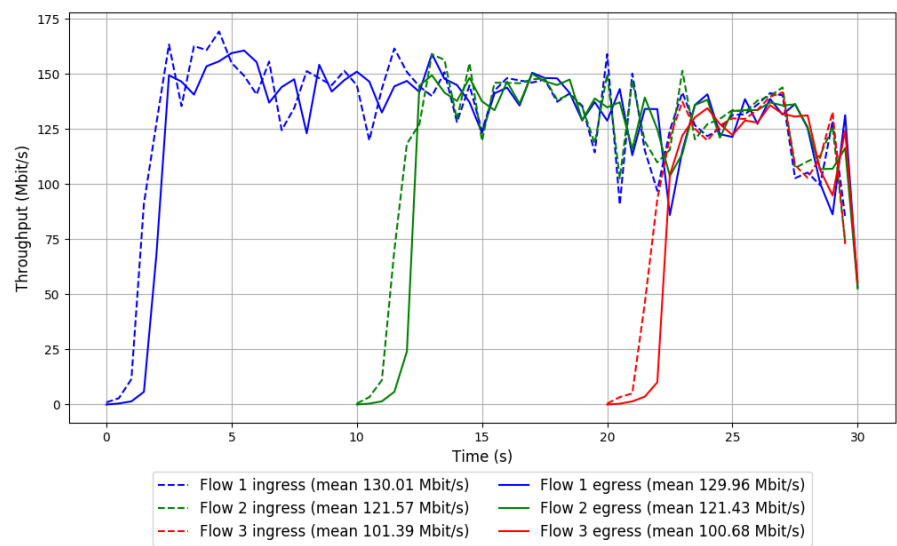


Run 4: Statistics of Indigo

Start at: 2018-08-10 17:50:06
End at: 2018-08-10 17:50:36
Local clock offset: -1.397 ms
Remote clock offset: -0.609 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.74 Mbit/s
95th percentile per-packet one-way delay: 111.531 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 129.96 Mbit/s
95th percentile per-packet one-way delay: 111.392 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 121.43 Mbit/s
95th percentile per-packet one-way delay: 111.475 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 100.68 Mbit/s
95th percentile per-packet one-way delay: 112.284 ms
Loss rate: 2.96%

Run 4: Report of Indigo — Data Link

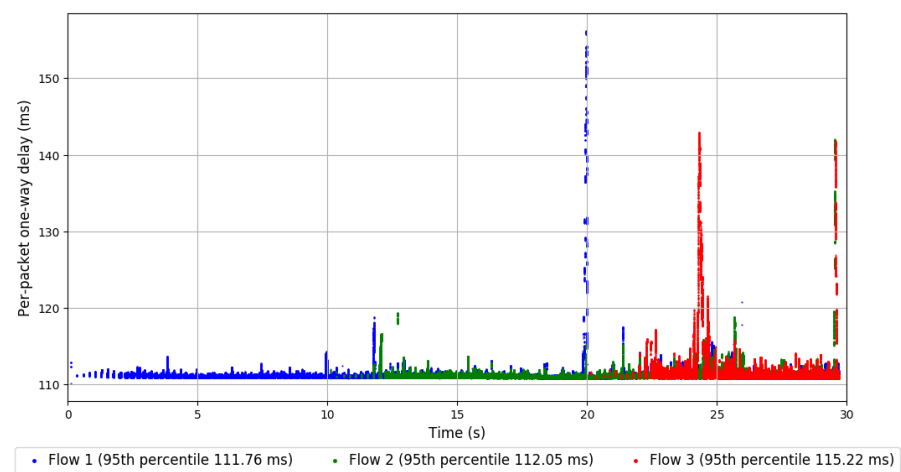
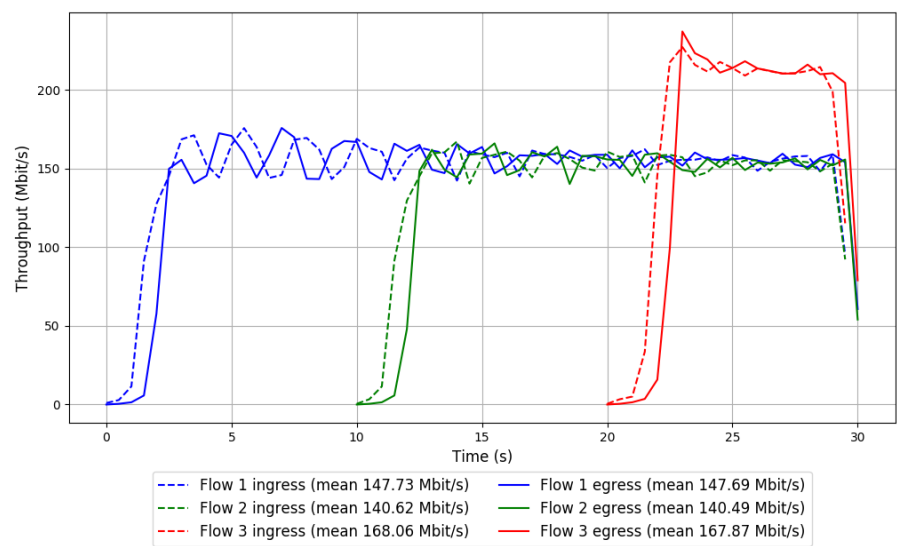


Run 5: Statistics of Indigo

Start at: 2018-08-10 18:16:18
End at: 2018-08-10 18:16:48
Local clock offset: 0.076 ms
Remote clock offset: -2.458 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.89 Mbit/s
95th percentile per-packet one-way delay: 112.243 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 147.69 Mbit/s
95th percentile per-packet one-way delay: 111.762 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 140.49 Mbit/s
95th percentile per-packet one-way delay: 112.049 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 167.87 Mbit/s
95th percentile per-packet one-way delay: 115.225 ms
Loss rate: 2.38%

Run 5: Report of Indigo — Data Link

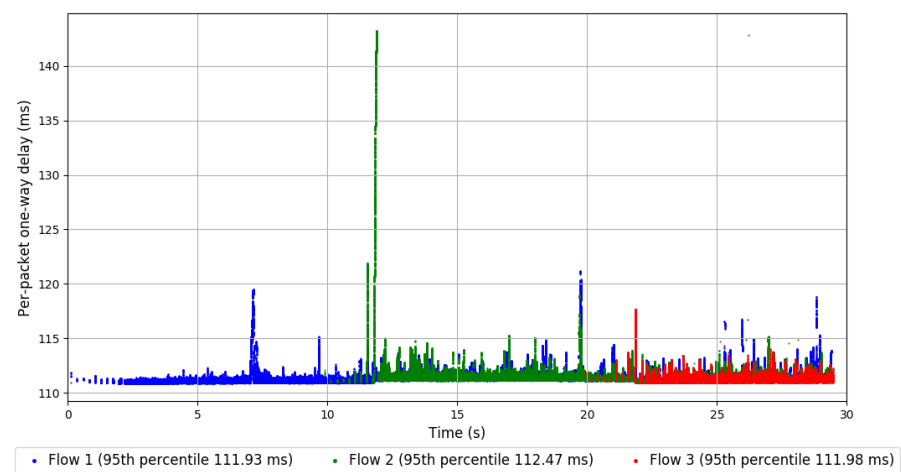
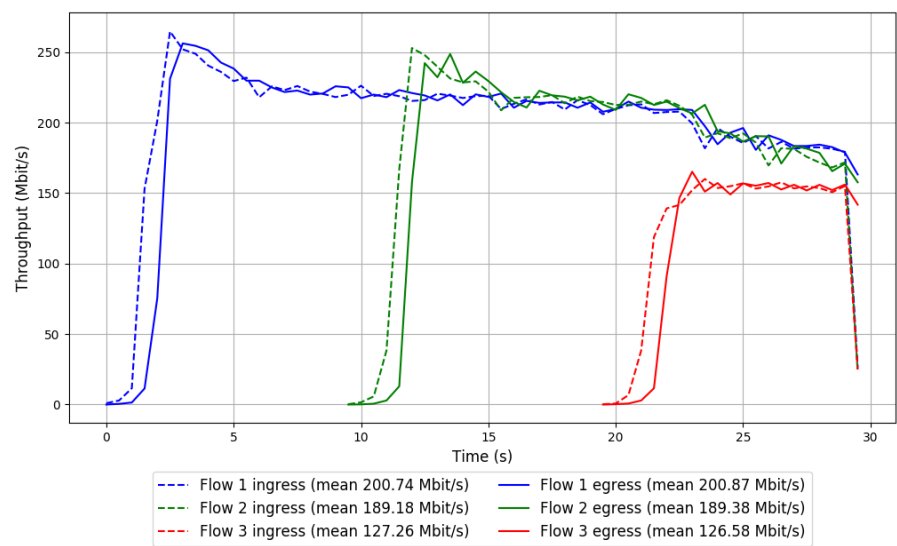


Run 6: Statistics of Indigo

Start at: 2018-08-10 18:43:31
End at: 2018-08-10 18:44:01
Local clock offset: -0.027 ms
Remote clock offset: -3.812 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.23 Mbit/s
95th percentile per-packet one-way delay: 112.112 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 200.87 Mbit/s
95th percentile per-packet one-way delay: 111.932 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 189.38 Mbit/s
95th percentile per-packet one-way delay: 112.472 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 126.58 Mbit/s
95th percentile per-packet one-way delay: 111.985 ms
Loss rate: 2.81%

Run 6: Report of Indigo — Data Link

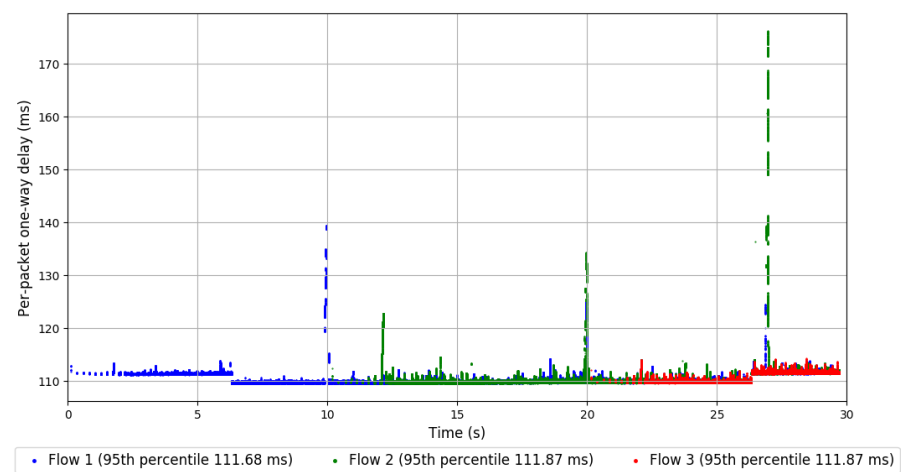
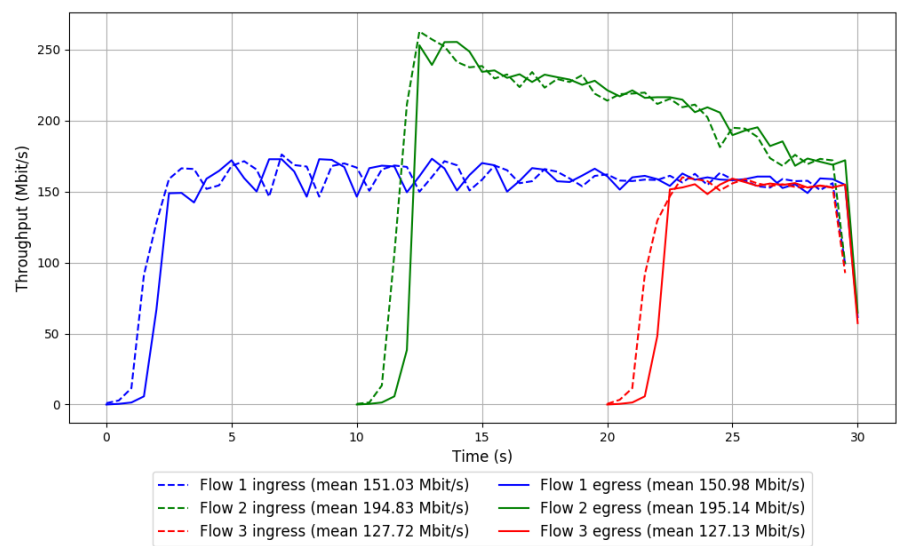


Run 7: Statistics of Indigo

Start at: 2018-08-10 19:10:46
End at: 2018-08-10 19:11:16
Local clock offset: -0.056 ms
Remote clock offset: -4.581 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.62 Mbit/s
95th percentile per-packet one-way delay: 111.767 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 150.98 Mbit/s
95th percentile per-packet one-way delay: 111.683 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 195.14 Mbit/s
95th percentile per-packet one-way delay: 111.867 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 127.13 Mbit/s
95th percentile per-packet one-way delay: 111.870 ms
Loss rate: 2.72%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-10 19:39:06

End at: 2018-08-10 19:39:36

Local clock offset: -0.117 ms

Remote clock offset: -2.0 ms

Below is generated by plot.py at 2018-08-10 22:52:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 337.35 Mbit/s

95th percentile per-packet one-way delay: 111.075 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 203.40 Mbit/s

95th percentile per-packet one-way delay: 110.967 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 140.51 Mbit/s

95th percentile per-packet one-way delay: 111.206 ms

Loss rate: 1.22%

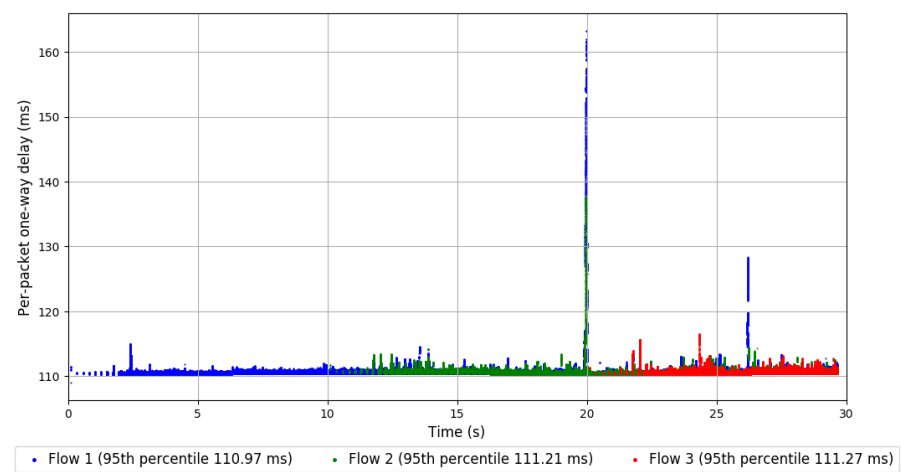
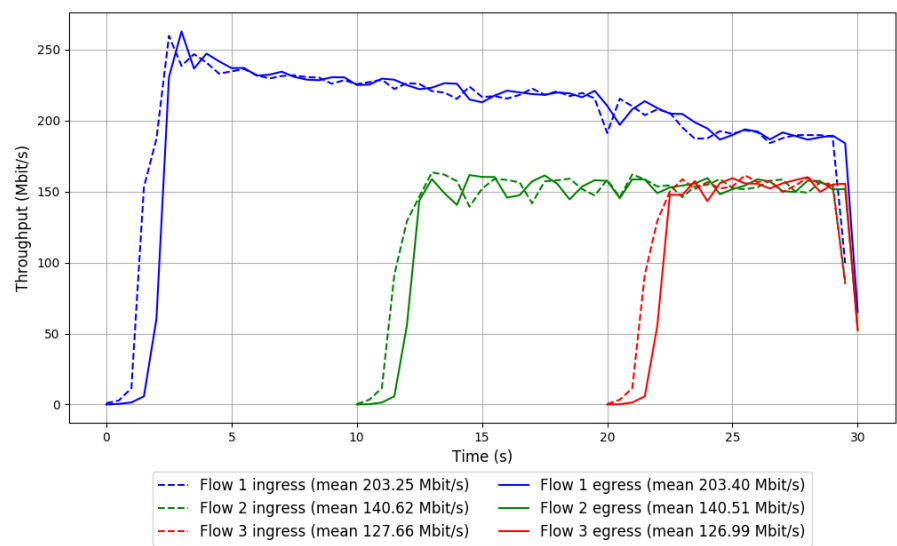
-- Flow 3:

Average throughput: 126.99 Mbit/s

95th percentile per-packet one-way delay: 111.265 ms

Loss rate: 2.81%

Run 8: Report of Indigo — Data Link

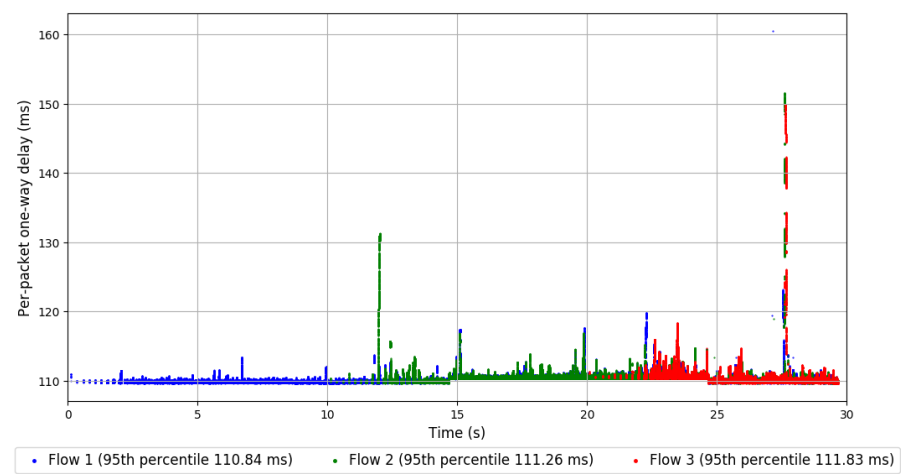
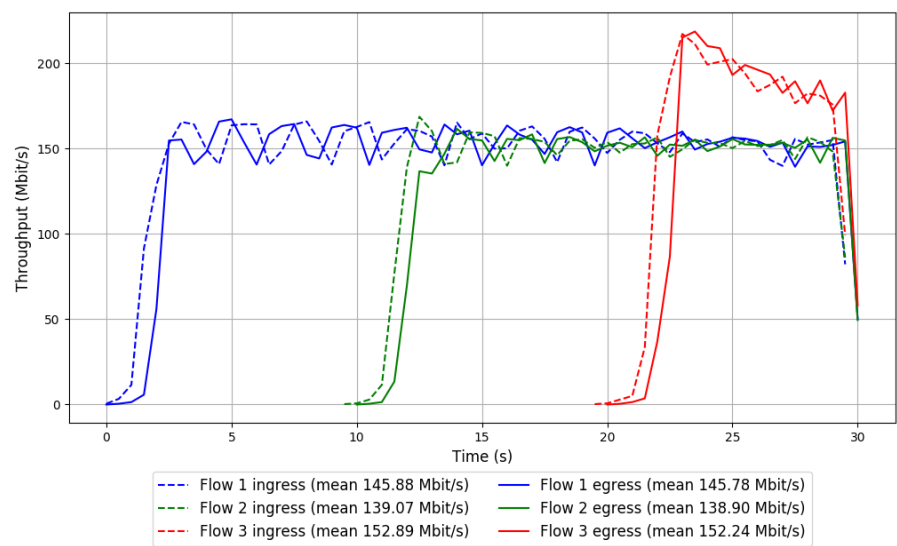


Run 9: Statistics of Indigo

Start at: 2018-08-10 20:06:28
End at: 2018-08-10 20:06:58
Local clock offset: -0.1 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.01 Mbit/s
95th percentile per-packet one-way delay: 111.127 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 145.78 Mbit/s
95th percentile per-packet one-way delay: 110.840 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 138.90 Mbit/s
95th percentile per-packet one-way delay: 111.264 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 152.24 Mbit/s
95th percentile per-packet one-way delay: 111.829 ms
Loss rate: 2.67%

Run 9: Report of Indigo — Data Link

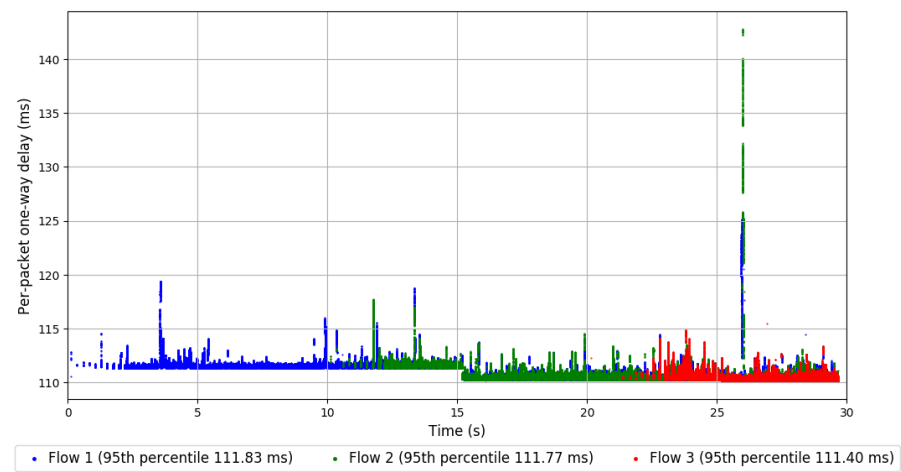
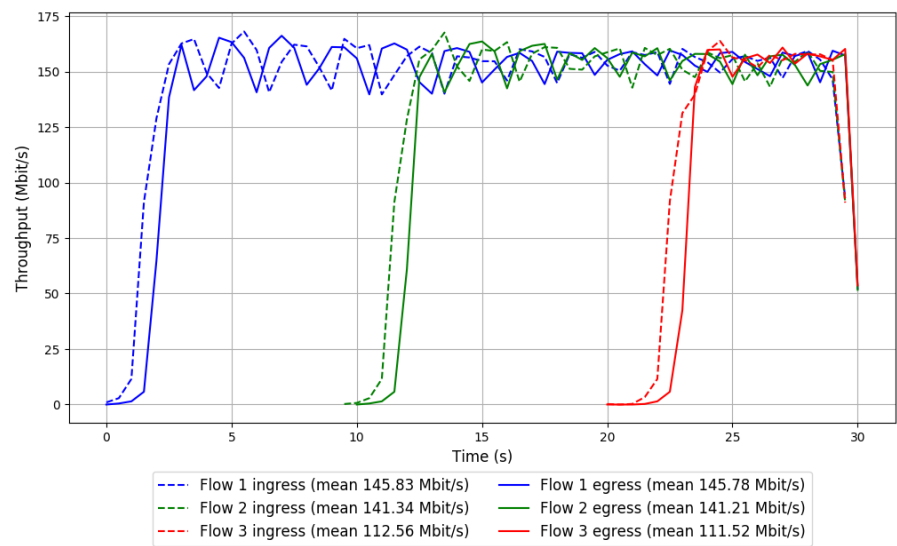


Run 10: Statistics of Indigo

Start at: 2018-08-10 20:33:37
End at: 2018-08-10 20:34:07
Local clock offset: 0.01 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.20 Mbit/s
95th percentile per-packet one-way delay: 111.792 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 145.78 Mbit/s
95th percentile per-packet one-way delay: 111.834 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 141.21 Mbit/s
95th percentile per-packet one-way delay: 111.766 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 111.52 Mbit/s
95th percentile per-packet one-way delay: 111.397 ms
Loss rate: 3.19%

Run 10: Report of Indigo — Data Link

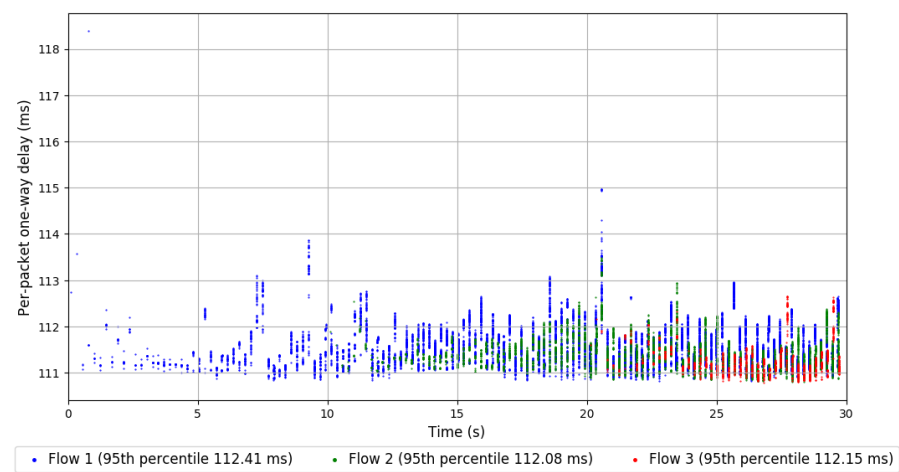
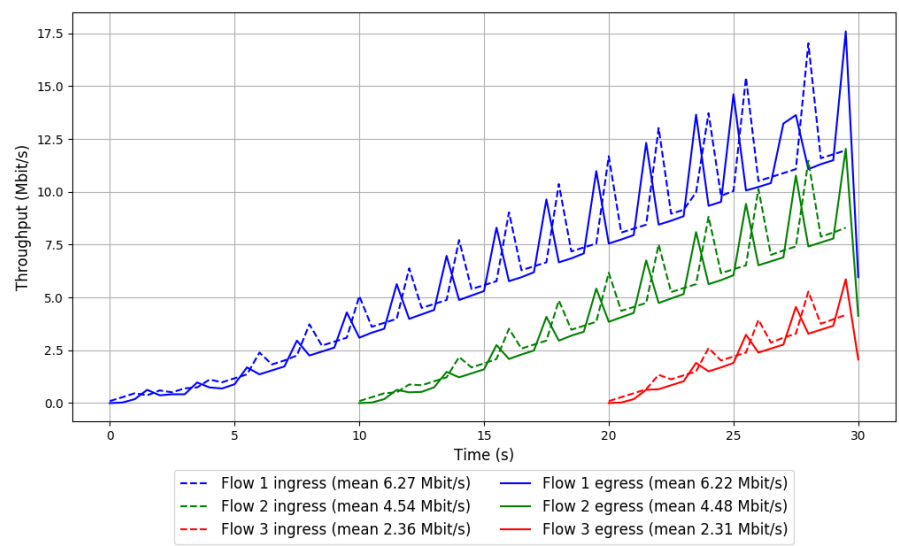


Run 1: Statistics of LEDBAT

Start at: 2018-08-10 16:42:40
End at: 2018-08-10 16:43:10
Local clock offset: -0.104 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 112.301 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 112.405 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 112.076 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 112.146 ms
Loss rate: 4.56%

Run 1: Report of LEDBAT — Data Link

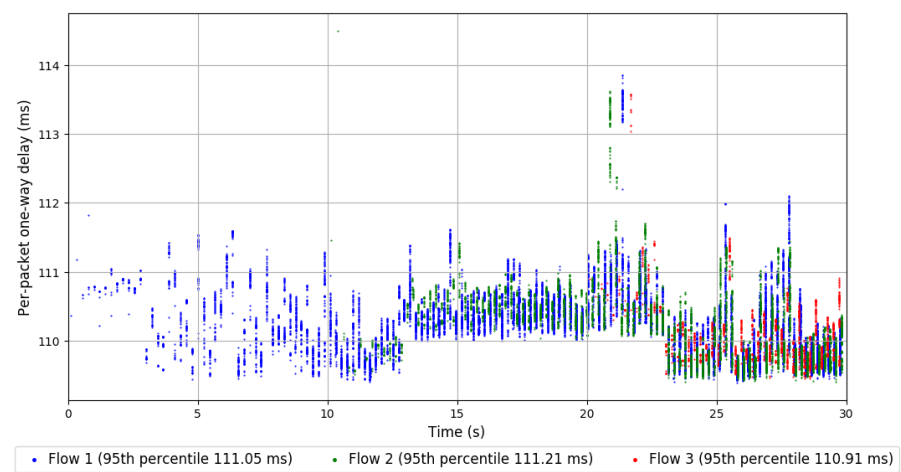
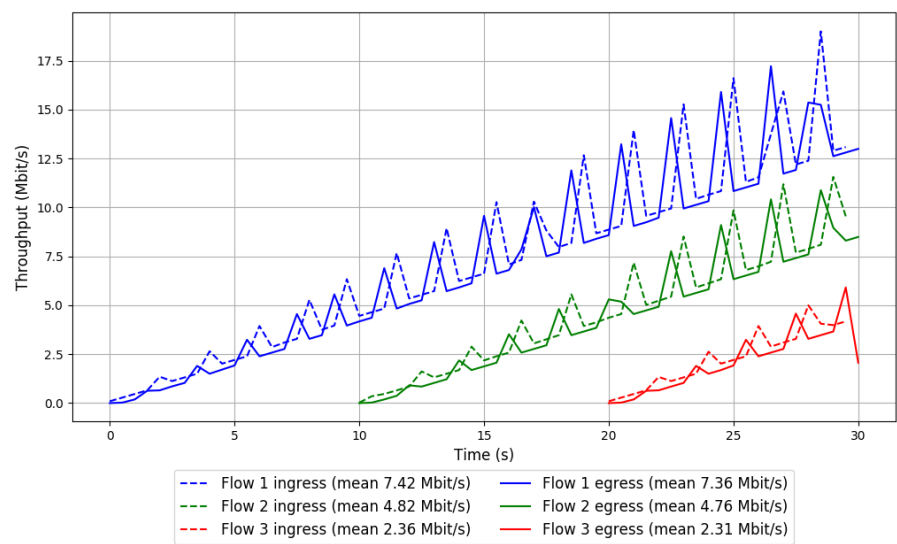


Run 2: Statistics of LEDBAT

Start at: 2018-08-10 17:08:40
End at: 2018-08-10 17:09:10
Local clock offset: -0.784 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 111.079 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 111.052 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 111.214 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 110.907 ms
Loss rate: 4.55%

Run 2: Report of LEDBAT — Data Link

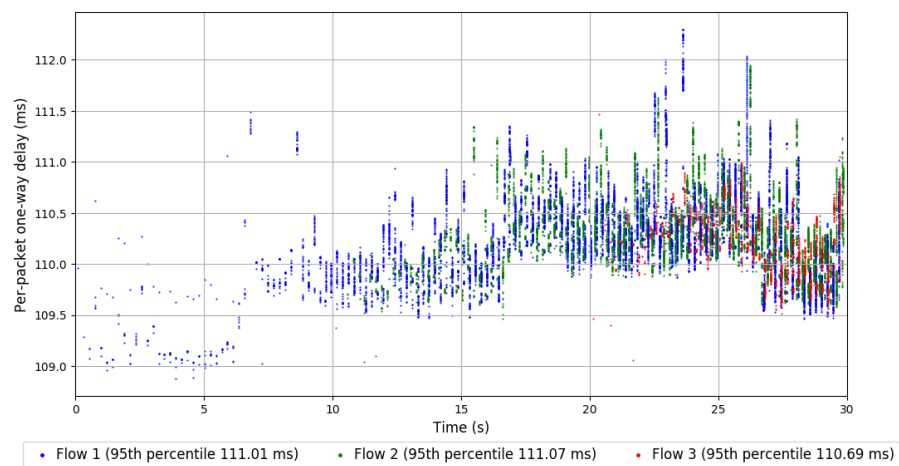
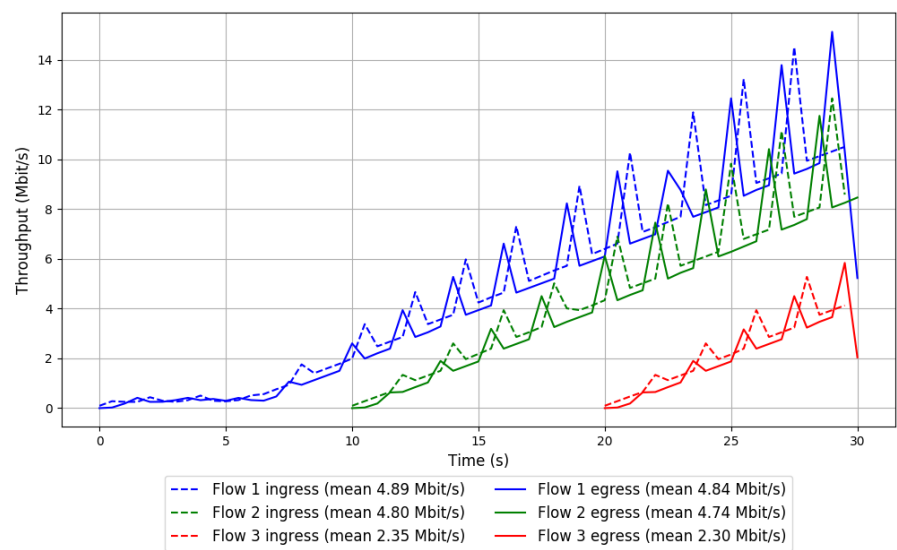


Run 3: Statistics of LEDBAT

Start at: 2018-08-10 17:34:56
End at: 2018-08-10 17:35:26
Local clock offset: -1.348 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 111.017 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 111.007 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 111.071 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 110.687 ms
Loss rate: 4.53%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-10 18:00:55

End at: 2018-08-10 18:01:25

Local clock offset: -0.534 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-08-10 22:52:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 112.418 ms

Loss rate: 1.92%

-- Flow 1:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 112.306 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 112.698 ms

Loss rate: 2.26%

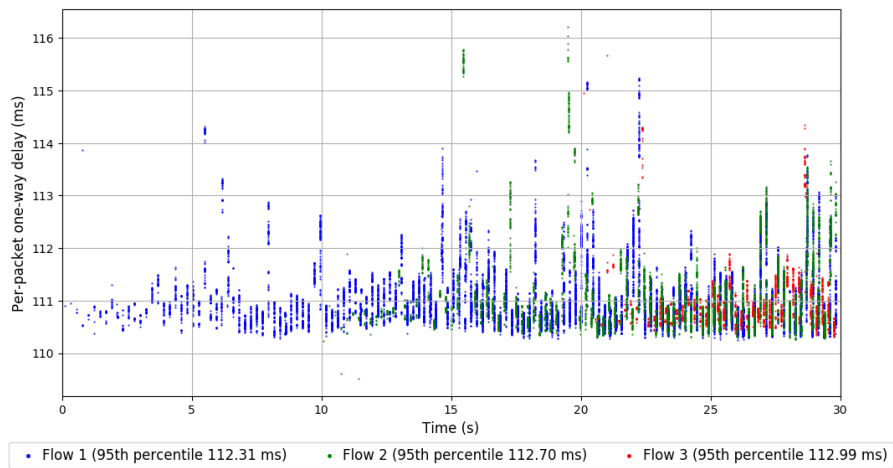
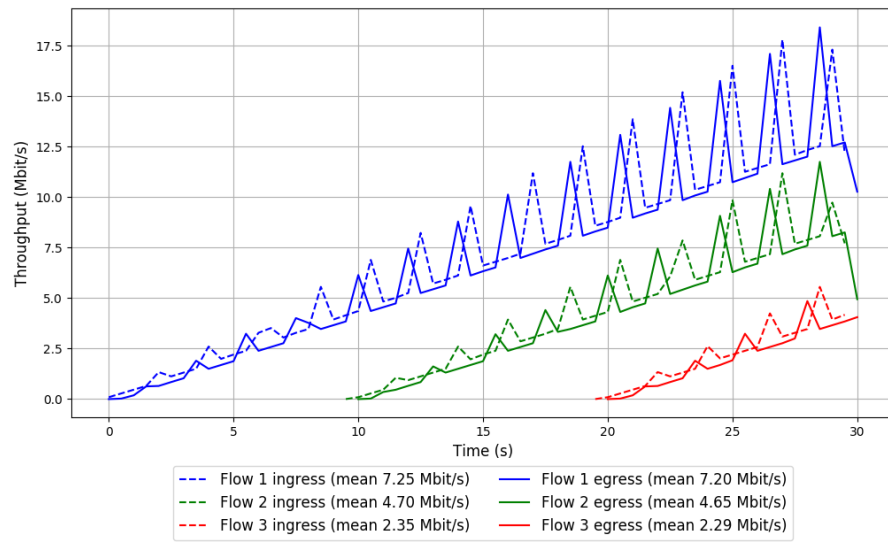
-- Flow 3:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 112.987 ms

Loss rate: 4.55%

Run 4: Report of LEDBAT — Data Link

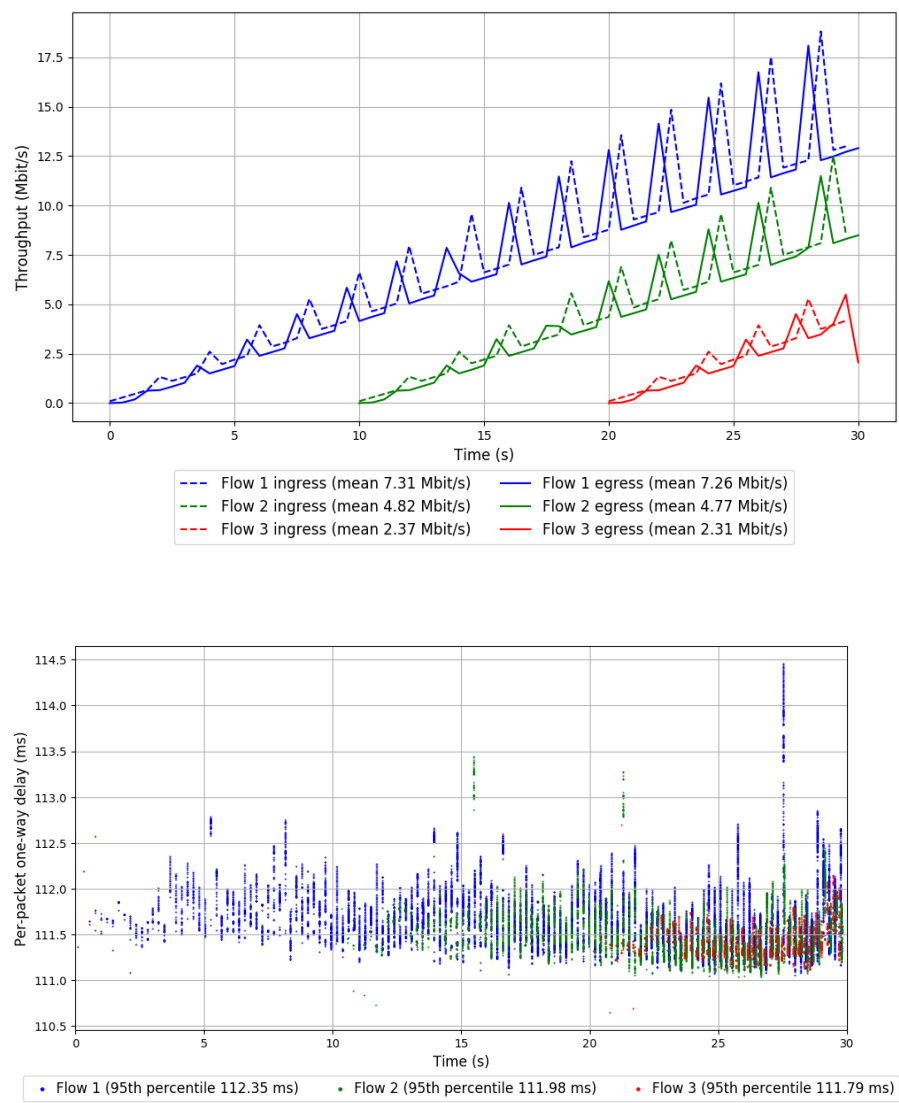


Run 5: Statistics of LEDBAT

Start at: 2018-08-10 18:27:35
End at: 2018-08-10 18:28:05
Local clock offset: -0.166 ms
Remote clock offset: -5.533 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.15 Mbit/s
95th percentile per-packet one-way delay: 112.205 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 112.352 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 111.976 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 111.786 ms
Loss rate: 4.57%

Run 5: Report of LEDBAT — Data Link

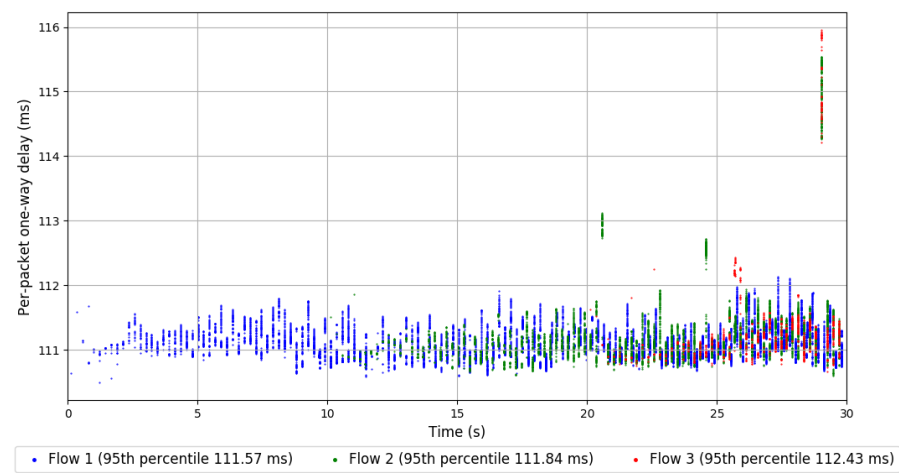
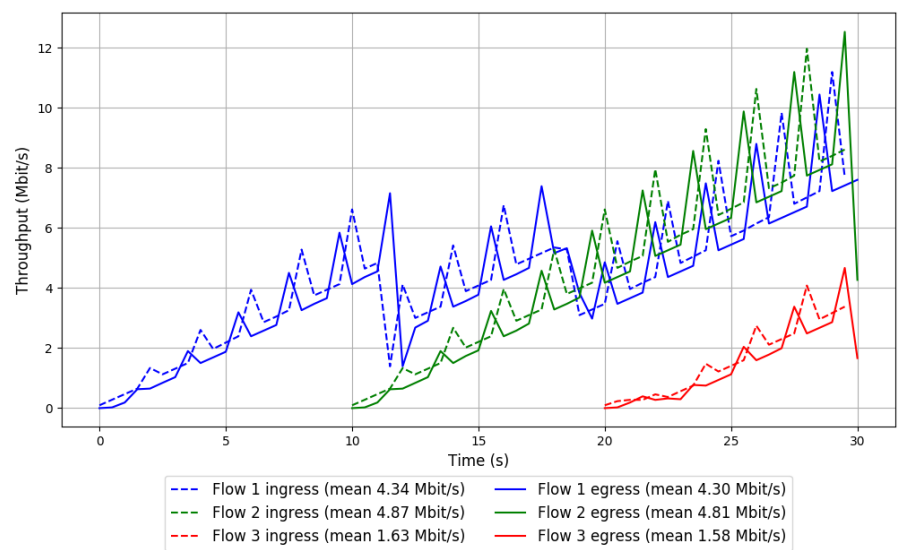


Run 6: Statistics of LEDBAT

Start at: 2018-08-10 18:54:54
End at: 2018-08-10 18:55:24
Local clock offset: -0.01 ms
Remote clock offset: -3.235 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 111.658 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 111.567 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 111.843 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 112.428 ms
Loss rate: 5.36%

Run 6: Report of LEDBAT — Data Link

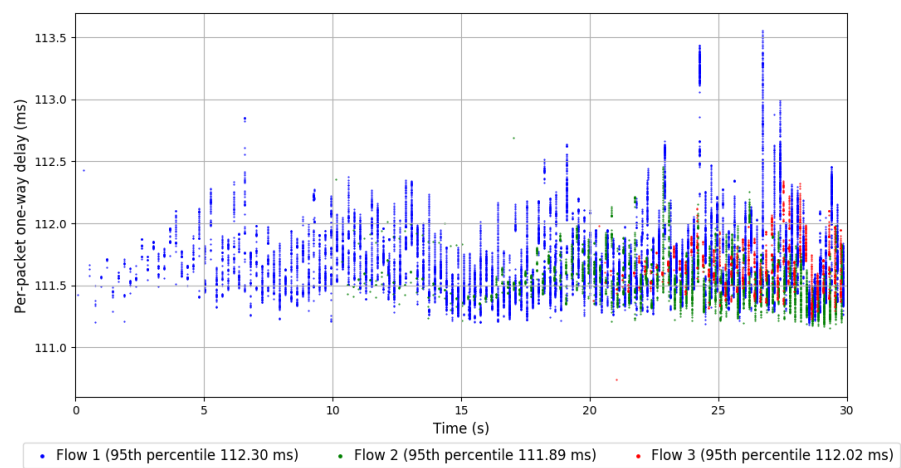
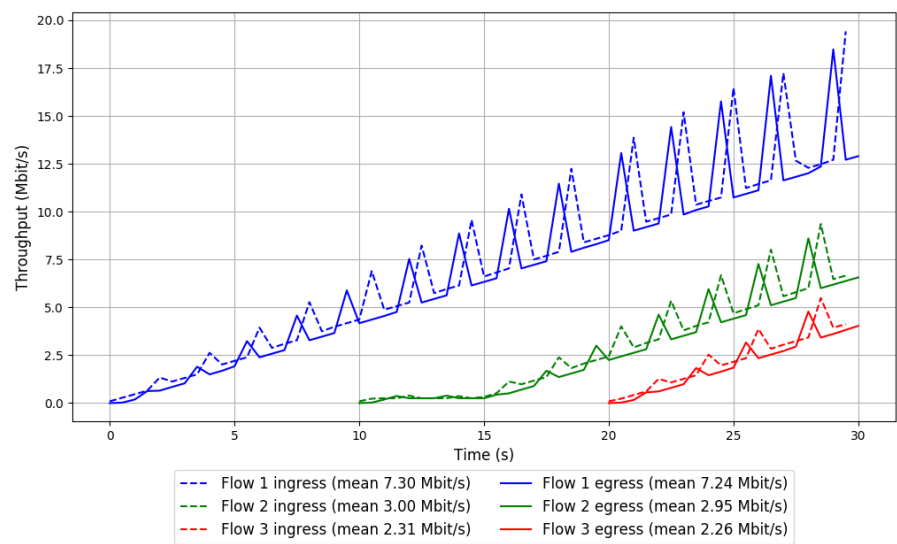


Run 7: Statistics of LEDBAT

Start at: 2018-08-10 19:22:18
End at: 2018-08-10 19:22:48
Local clock offset: -0.159 ms
Remote clock offset: -2.484 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 112.212 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 112.296 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 111.891 ms
Loss rate: 2.82%
-- Flow 3:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 112.023 ms
Loss rate: 4.60%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-10 19:50:31

End at: 2018-08-10 19:51:01

Local clock offset: 0.003 ms

Remote clock offset: -1.34 ms

Below is generated by plot.py at 2018-08-10 22:52:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.26 Mbit/s

95th percentile per-packet one-way delay: 111.992 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 7.37 Mbit/s

95th percentile per-packet one-way delay: 111.955 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 112.062 ms

Loss rate: 2.25%

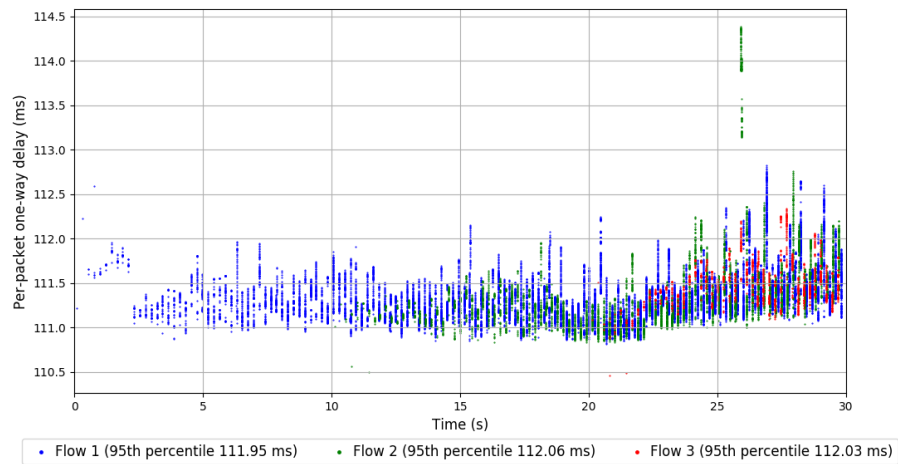
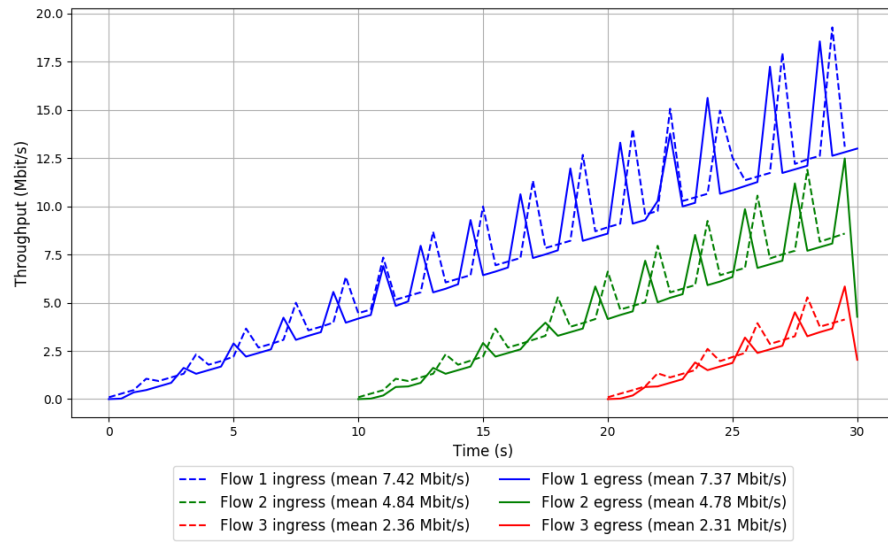
-- Flow 3:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 112.031 ms

Loss rate: 4.53%

Run 8: Report of LEDBAT — Data Link

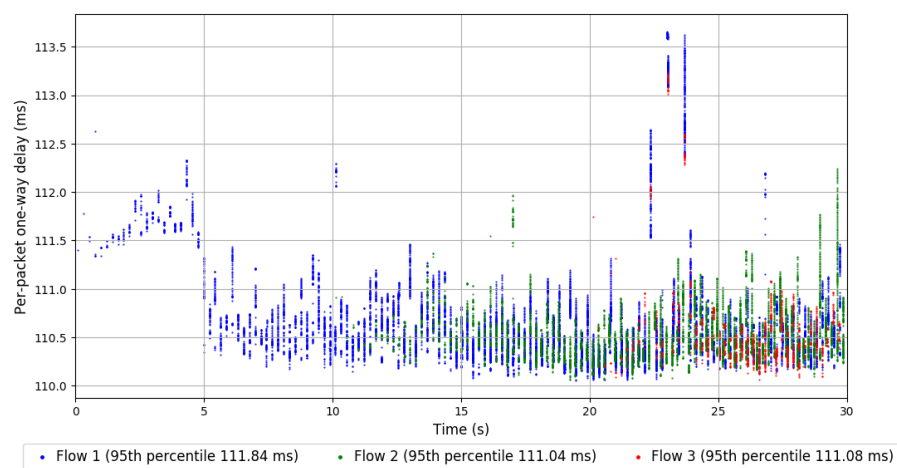
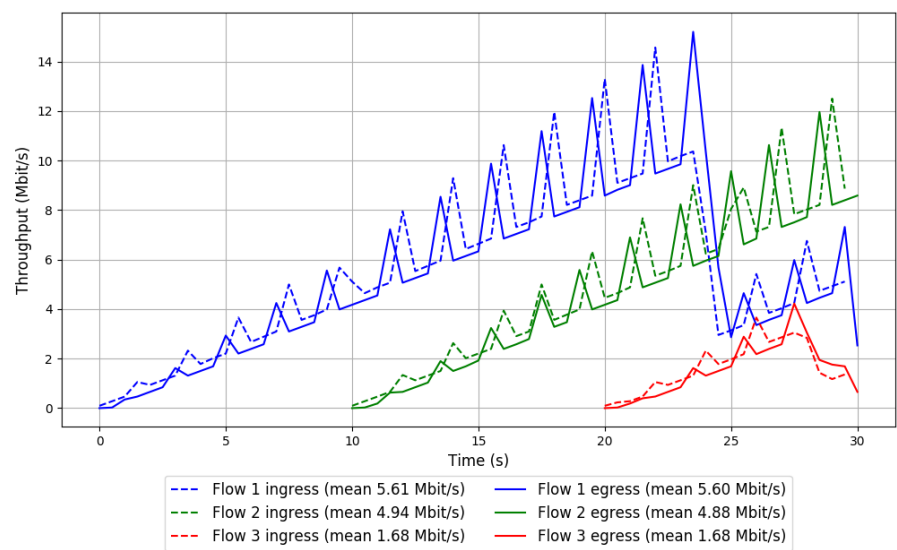


Run 9: Statistics of LEDBAT

Start at: 2018-08-10 20:17:48
End at: 2018-08-10 20:18:18
Local clock offset: -0.159 ms
Remote clock offset: -0.782 ms

Below is generated by plot.py at 2018-08-10 22:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 111.566 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 111.844 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 111.040 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 111.082 ms
Loss rate: 2.29%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-10 20:44:58

End at: 2018-08-10 20:45:28

Local clock offset: -2.975 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-08-10 22:52:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.47 Mbit/s

95th percentile per-packet one-way delay: 108.365 ms

Loss rate: 1.99%

-- Flow 1:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 108.491 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 108.070 ms

Loss rate: 3.28%

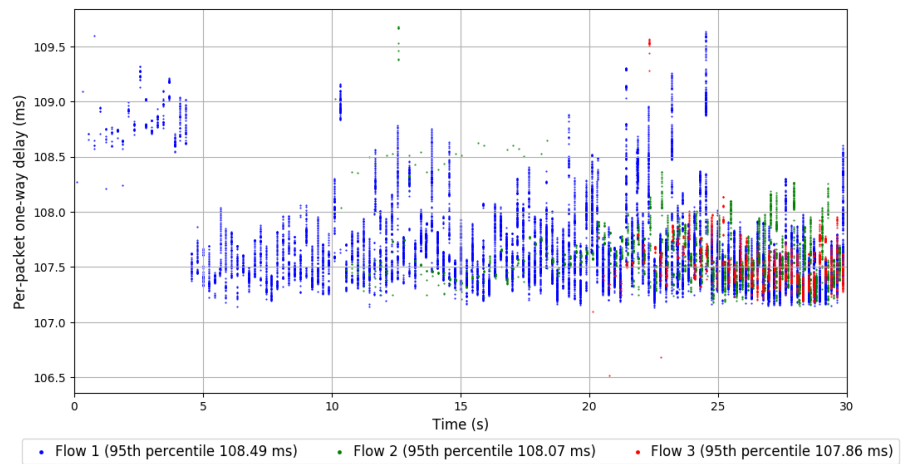
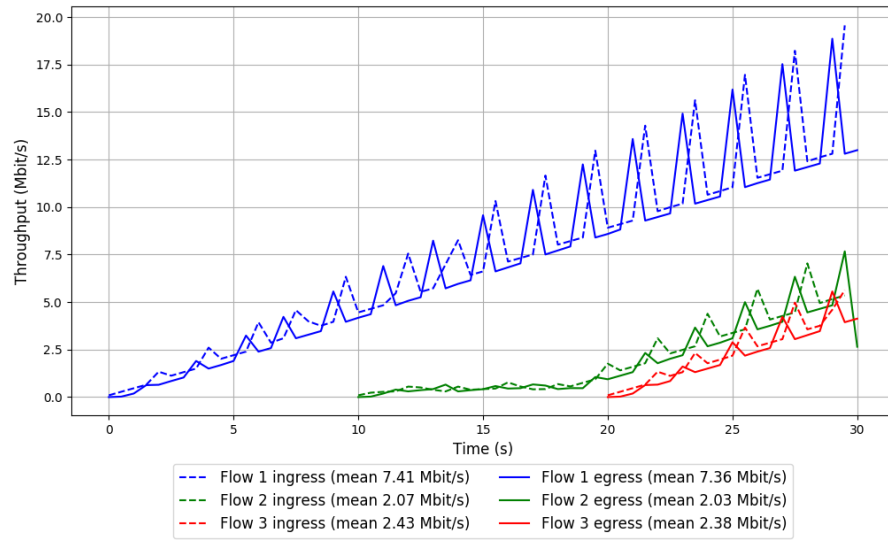
-- Flow 3:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 107.860 ms

Loss rate: 4.47%

Run 10: Report of LEDBAT — Data Link

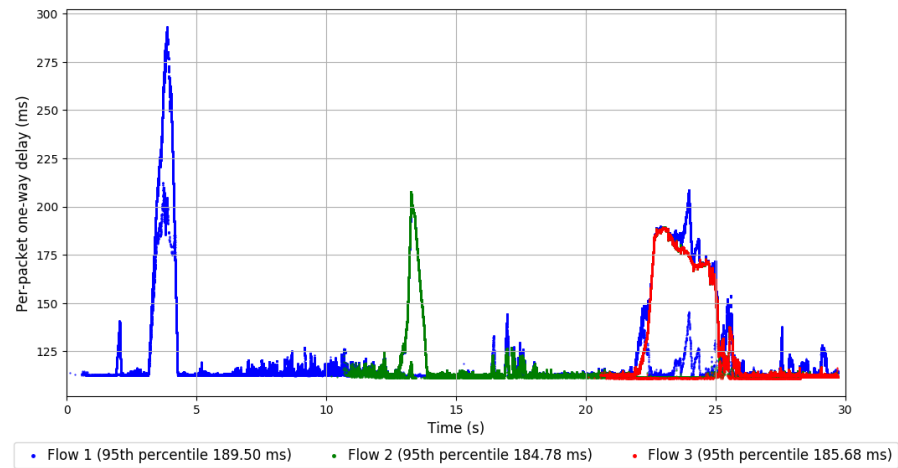
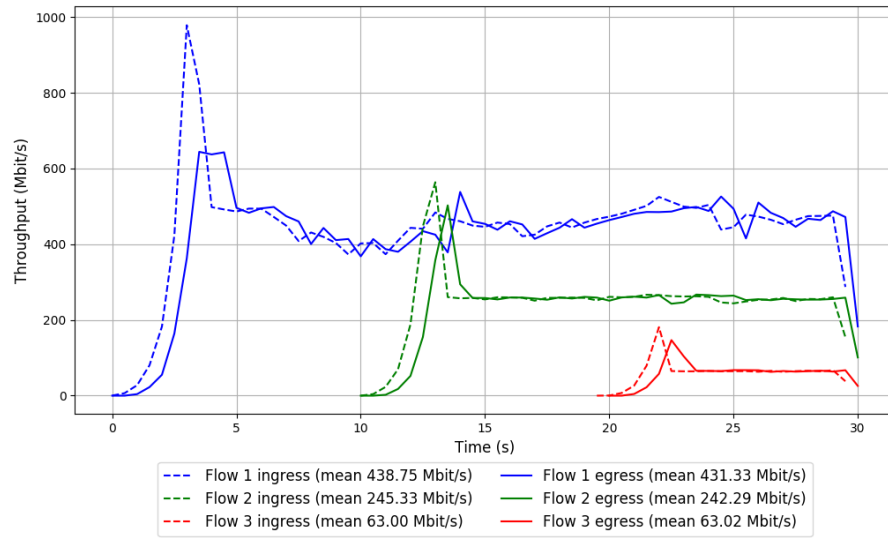


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-10 16:43:54
End at: 2018-08-10 16:44:24
Local clock offset: 1.459 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-08-10 22:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 611.54 Mbit/s
95th percentile per-packet one-way delay: 188.252 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 431.33 Mbit/s
95th percentile per-packet one-way delay: 189.501 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 242.29 Mbit/s
95th percentile per-packet one-way delay: 184.782 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 185.681 ms
Loss rate: 2.21%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-10 17:09:54

End at: 2018-08-10 17:10:24

Local clock offset: -1.561 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-08-10 22:58:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 585.28 Mbit/s

95th percentile per-packet one-way delay: 219.859 ms

Loss rate: 2.93%

-- Flow 1:

Average throughput: 403.72 Mbit/s

95th percentile per-packet one-way delay: 237.921 ms

Loss rate: 2.94%

-- Flow 2:

Average throughput: 244.54 Mbit/s

95th percentile per-packet one-way delay: 164.139 ms

Loss rate: 2.97%

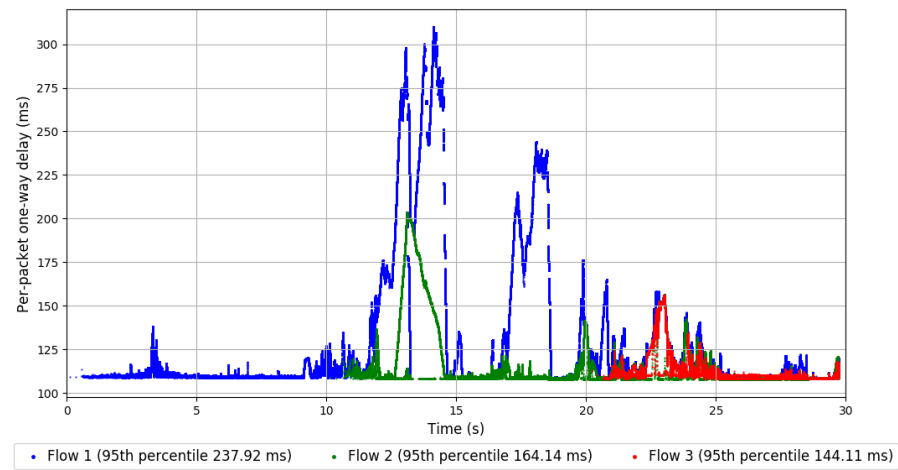
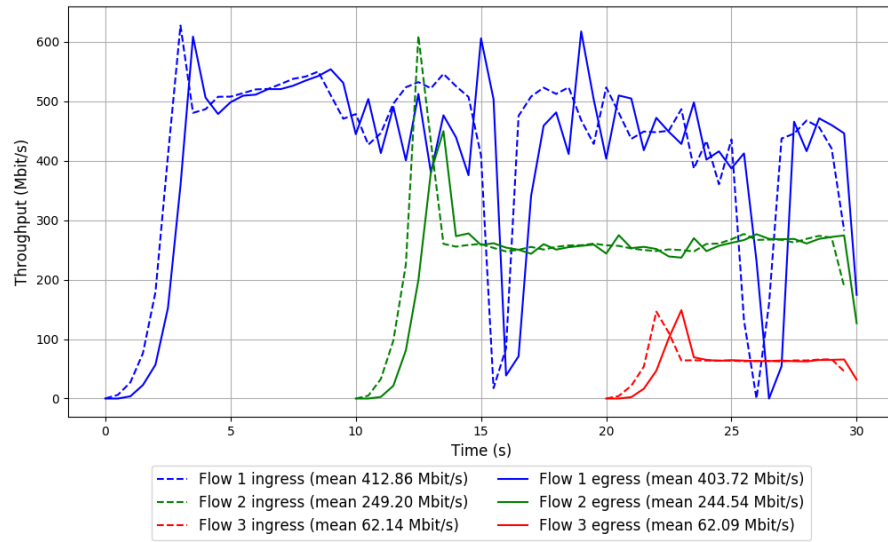
-- Flow 3:

Average throughput: 62.09 Mbit/s

95th percentile per-packet one-way delay: 144.112 ms

Loss rate: 2.38%

Run 2: Report of PCC-Allegro — Data Link

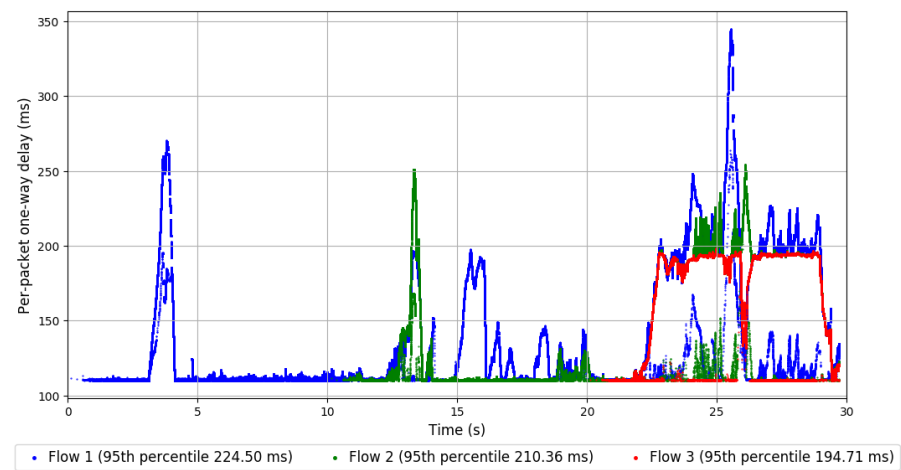
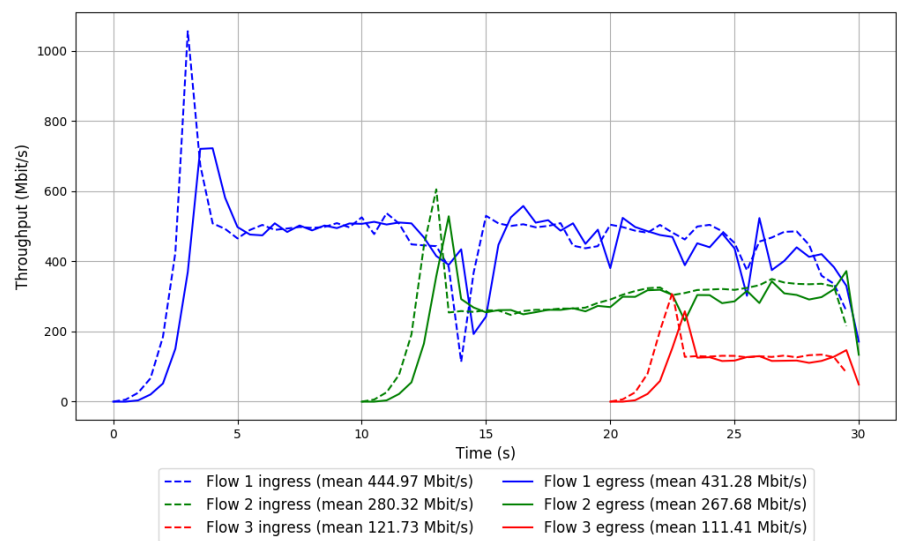


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-10 17:36:10
End at: 2018-08-10 17:36:40
Local clock offset: -0.121 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-08-10 22:59:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 644.41 Mbit/s
95th percentile per-packet one-way delay: 218.293 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 431.28 Mbit/s
95th percentile per-packet one-way delay: 224.495 ms
Loss rate: 3.80%
-- Flow 2:
Average throughput: 267.68 Mbit/s
95th percentile per-packet one-way delay: 210.360 ms
Loss rate: 5.58%
-- Flow 3:
Average throughput: 111.41 Mbit/s
95th percentile per-packet one-way delay: 194.706 ms
Loss rate: 10.55%

Run 3: Report of PCC-Allegro — Data Link

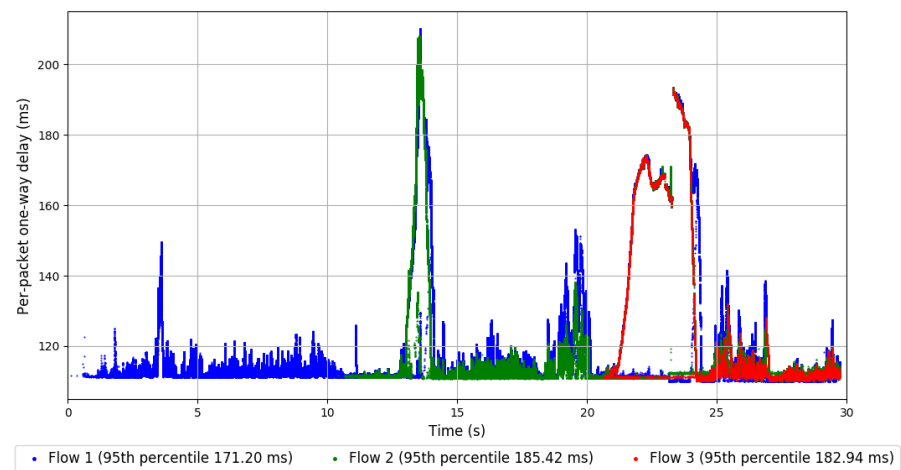
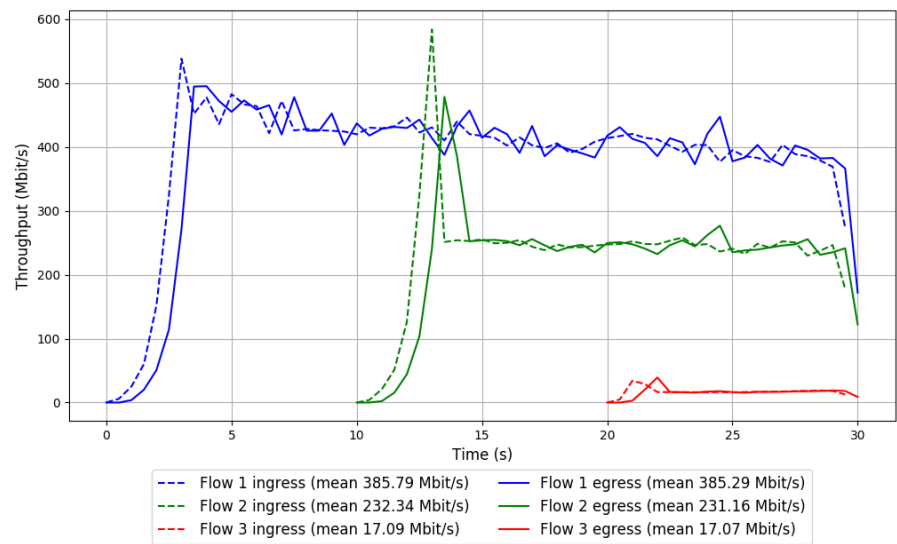


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-10 18:02:09
End at: 2018-08-10 18:02:39
Local clock offset: -0.071 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-08-10 23:01:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 543.19 Mbit/s
95th percentile per-packet one-way delay: 173.307 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 385.29 Mbit/s
95th percentile per-packet one-way delay: 171.204 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 231.16 Mbit/s
95th percentile per-packet one-way delay: 185.420 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 17.07 Mbit/s
95th percentile per-packet one-way delay: 182.943 ms
Loss rate: 2.39%

Run 4: Report of PCC-Allegro — Data Link

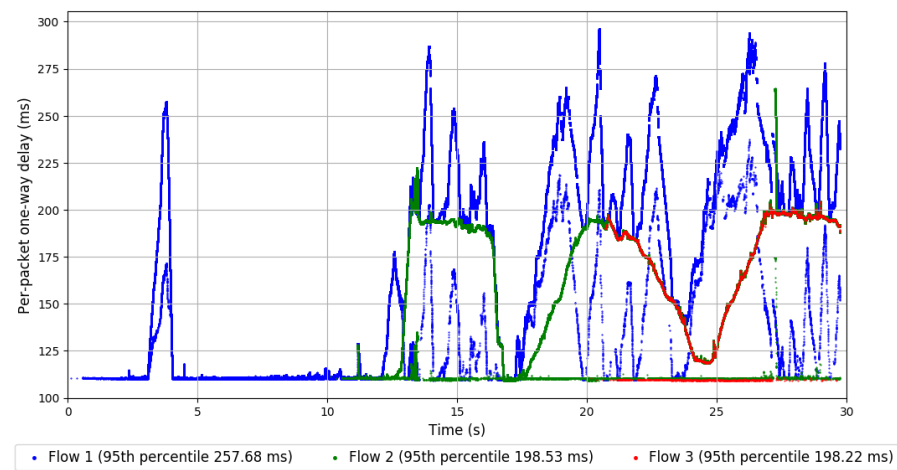
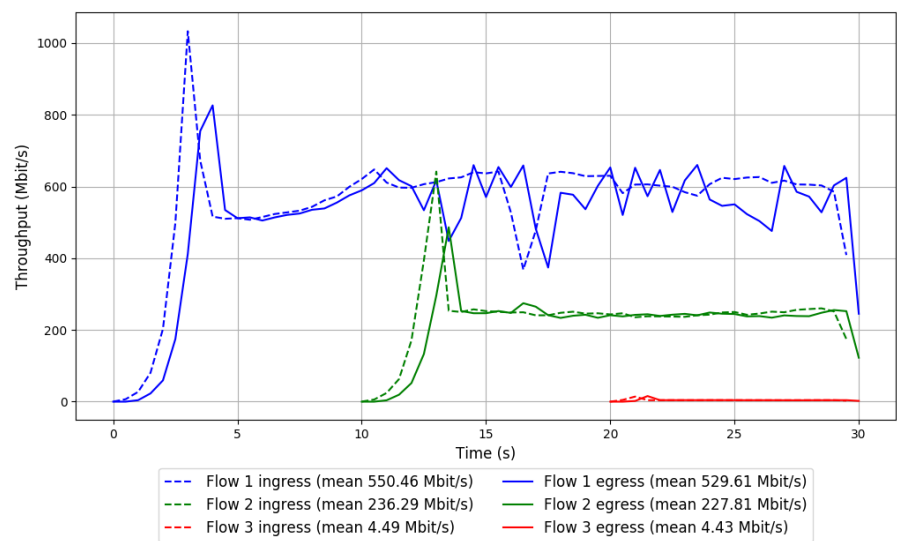


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-10 18:28:49
End at: 2018-08-10 18:29:19
Local clock offset: -0.633 ms
Remote clock offset: -5.446 ms

Below is generated by plot.py at 2018-08-10 23:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 681.86 Mbit/s
95th percentile per-packet one-way delay: 254.244 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 529.61 Mbit/s
95th percentile per-packet one-way delay: 257.682 ms
Loss rate: 4.50%
-- Flow 2:
Average throughput: 227.81 Mbit/s
95th percentile per-packet one-way delay: 198.526 ms
Loss rate: 4.66%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 198.217 ms
Loss rate: 3.55%

Run 5: Report of PCC-Allegro — Data Link

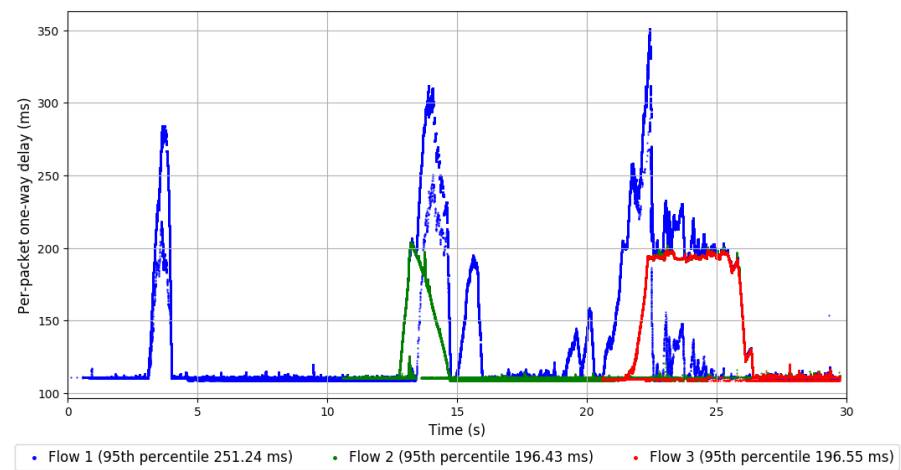
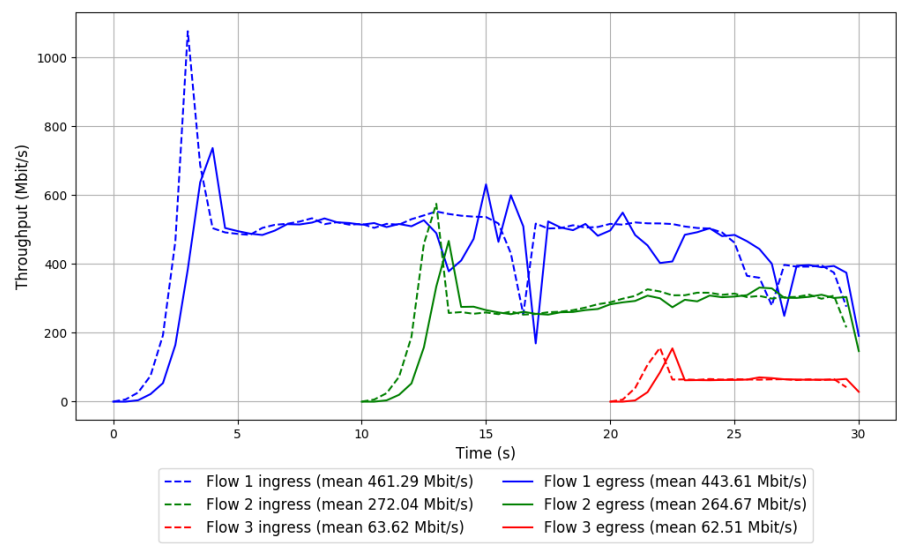


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-10 18:56:08
End at: 2018-08-10 18:56:38
Local clock offset: -0.004 ms
Remote clock offset: -3.381 ms

Below is generated by plot.py at 2018-08-10 23:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 639.13 Mbit/s
95th percentile per-packet one-way delay: 234.170 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 443.61 Mbit/s
95th percentile per-packet one-way delay: 251.235 ms
Loss rate: 4.55%
-- Flow 2:
Average throughput: 264.67 Mbit/s
95th percentile per-packet one-way delay: 196.429 ms
Loss rate: 3.80%
-- Flow 3:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 196.553 ms
Loss rate: 4.02%

Run 6: Report of PCC-Allegro — Data Link

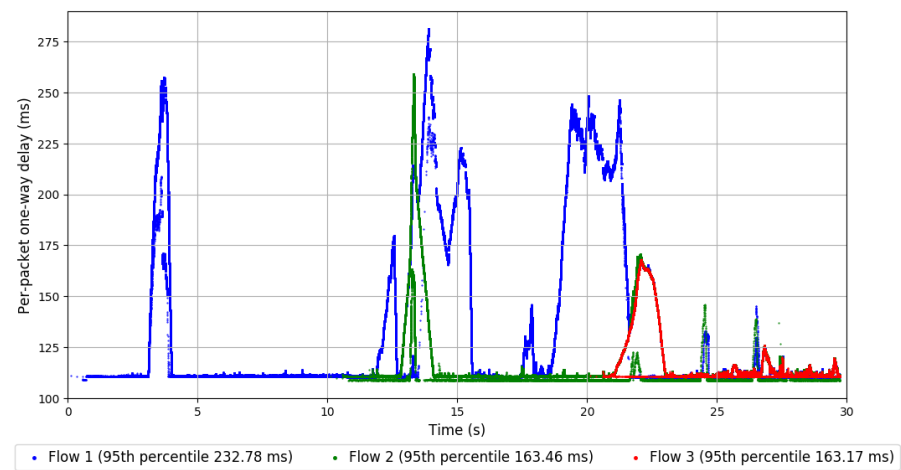
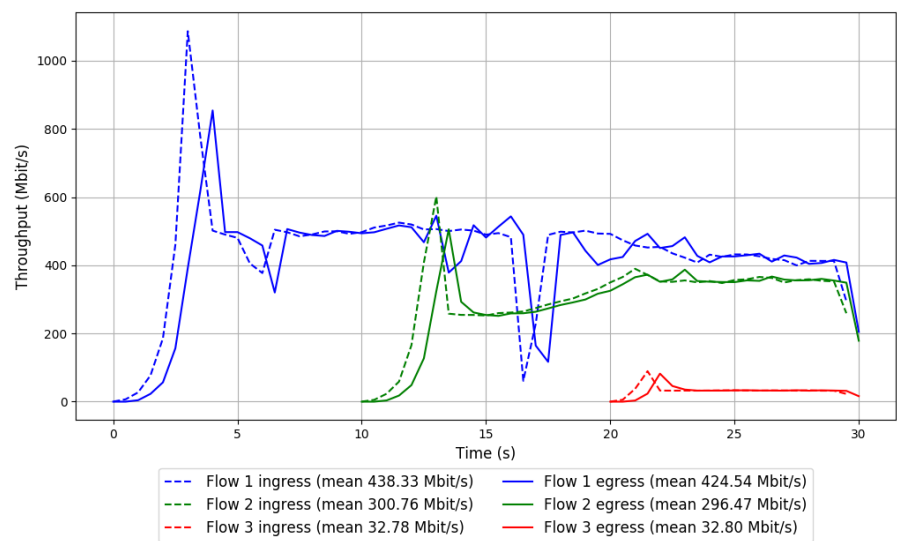


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-10 19:23:32
End at: 2018-08-10 19:24:02
Local clock offset: -0.115 ms
Remote clock offset: -1.671 ms

Below is generated by plot.py at 2018-08-10 23:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 631.47 Mbit/s
95th percentile per-packet one-way delay: 225.161 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 424.54 Mbit/s
95th percentile per-packet one-way delay: 232.785 ms
Loss rate: 3.87%
-- Flow 2:
Average throughput: 296.47 Mbit/s
95th percentile per-packet one-way delay: 163.459 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 32.80 Mbit/s
95th percentile per-packet one-way delay: 163.173 ms
Loss rate: 2.21%

Run 7: Report of PCC-Allegro — Data Link

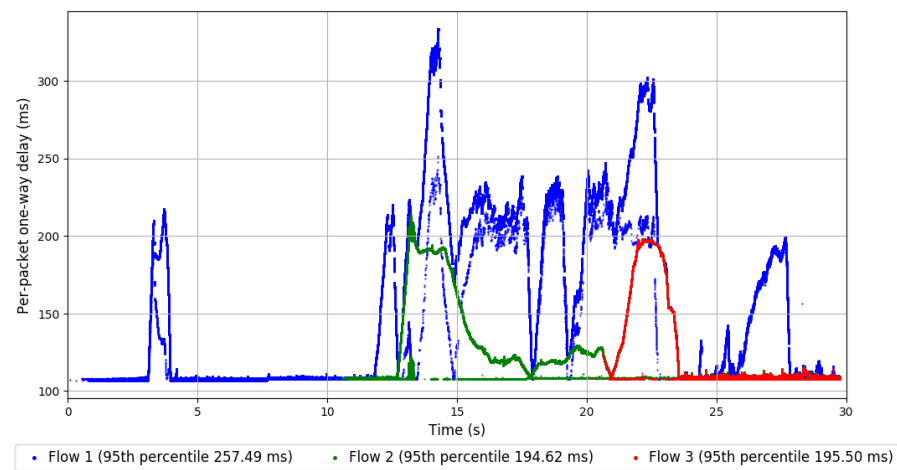
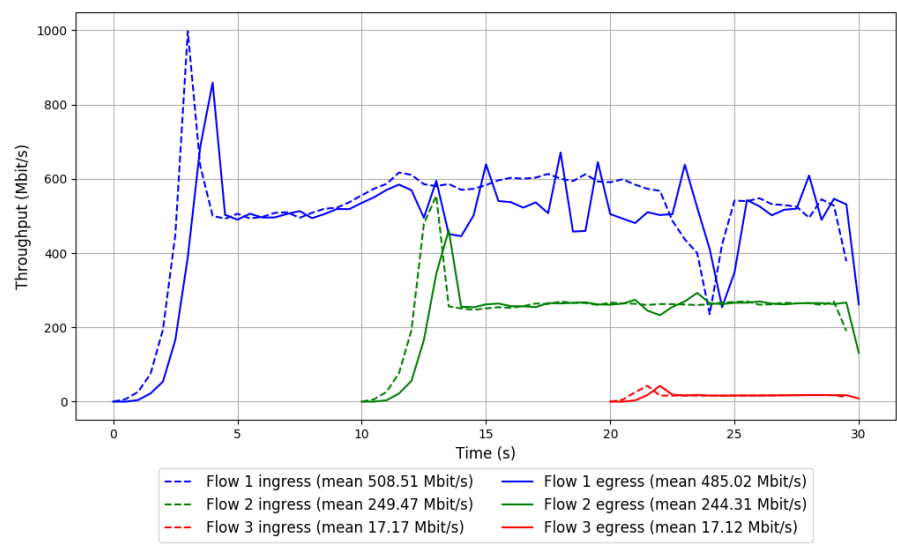


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-10 19:51:45
End at: 2018-08-10 19:52:15
Local clock offset: -3.02 ms
Remote clock offset: -1.605 ms

Below is generated by plot.py at 2018-08-10 23:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 652.34 Mbit/s
95th percentile per-packet one-way delay: 240.284 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 485.02 Mbit/s
95th percentile per-packet one-way delay: 257.485 ms
Loss rate: 5.32%
-- Flow 2:
Average throughput: 244.31 Mbit/s
95th percentile per-packet one-way delay: 194.625 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 195.504 ms
Loss rate: 2.52%

Run 8: Report of PCC-Allegro — Data Link

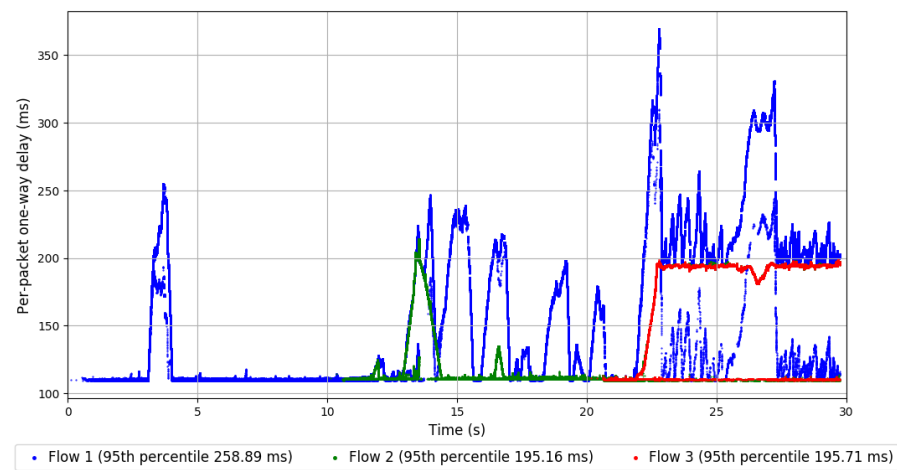
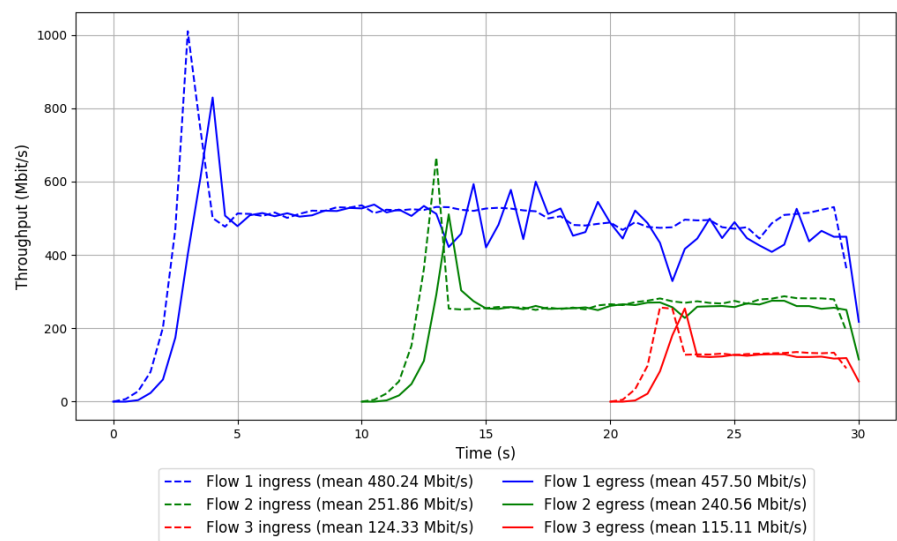


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-10 20:19:02
End at: 2018-08-10 20:19:32
Local clock offset: -0.274 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-08-10 23:11:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 654.04 Mbit/s
95th percentile per-packet one-way delay: 239.074 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 457.50 Mbit/s
95th percentile per-packet one-way delay: 258.890 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 240.56 Mbit/s
95th percentile per-packet one-way delay: 195.155 ms
Loss rate: 5.55%
-- Flow 3:
Average throughput: 115.11 Mbit/s
95th percentile per-packet one-way delay: 195.713 ms
Loss rate: 9.51%

Run 9: Report of PCC-Allegro — Data Link

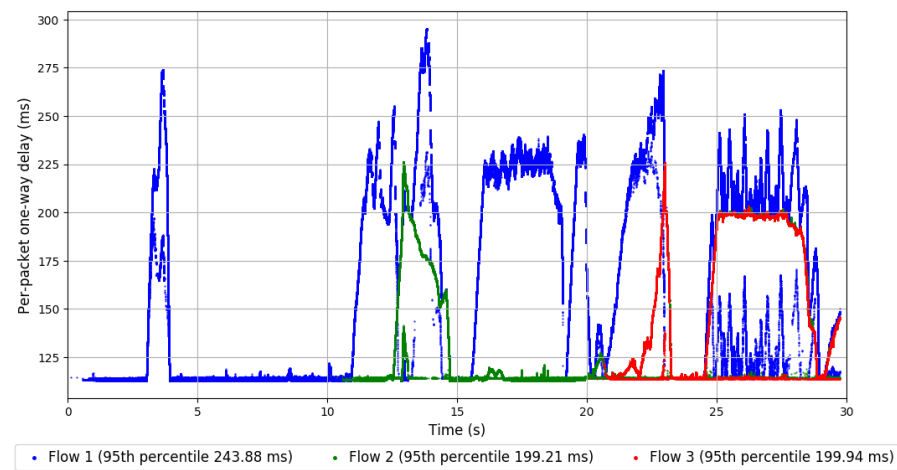
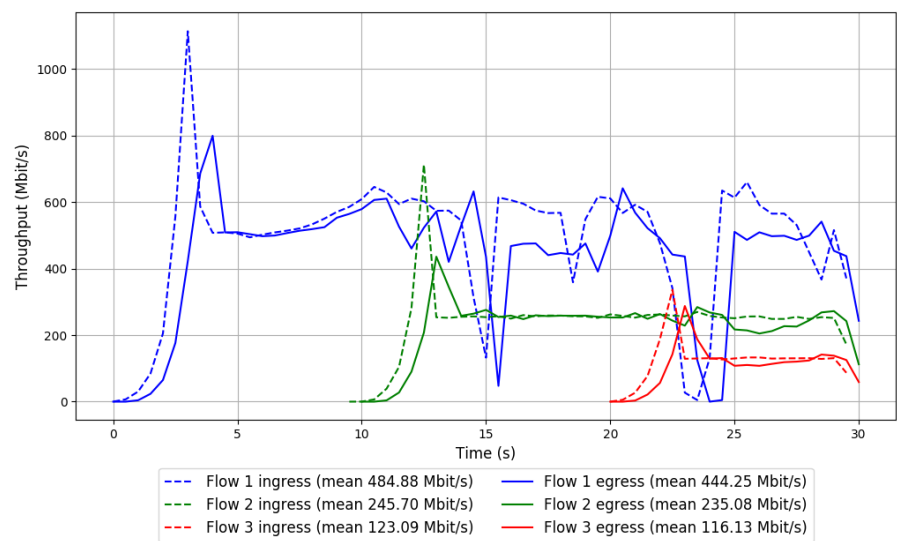


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-10 20:46:13
End at: 2018-08-10 20:46:43
Local clock offset: 2.812 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-08-10 23:11:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 637.52 Mbit/s
95th percentile per-packet one-way delay: 236.378 ms
Loss rate: 8.11%
-- Flow 1:
Average throughput: 444.25 Mbit/s
95th percentile per-packet one-way delay: 243.884 ms
Loss rate: 9.05%
-- Flow 2:
Average throughput: 235.08 Mbit/s
95th percentile per-packet one-way delay: 199.211 ms
Loss rate: 5.40%
-- Flow 3:
Average throughput: 116.13 Mbit/s
95th percentile per-packet one-way delay: 199.945 ms
Loss rate: 7.79%

Run 10: Report of PCC-Allegro — Data Link

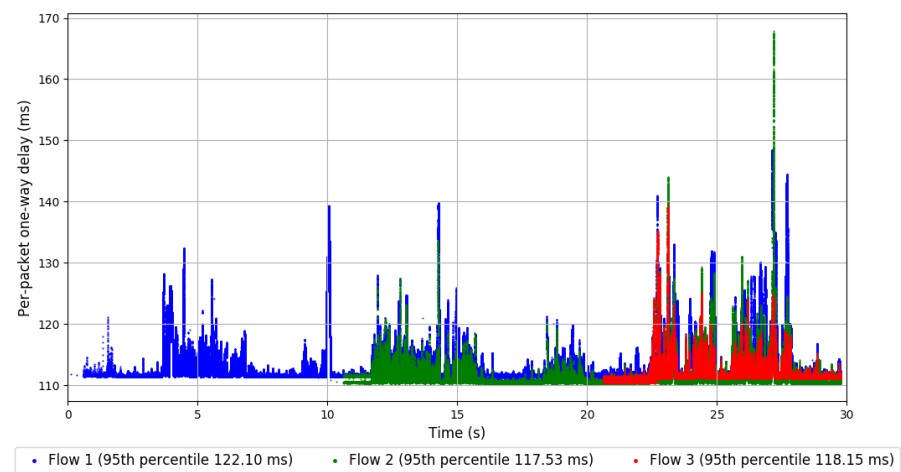
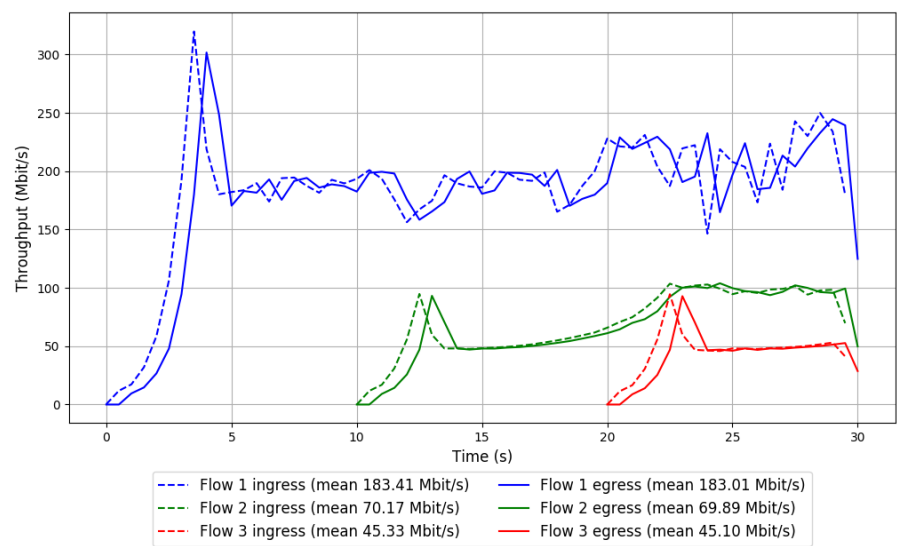


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-10 16:54:00
End at: 2018-08-10 16:54:30
Local clock offset: -0.166 ms
Remote clock offset: -0.597 ms

# Below is generated by plot.py at 2018-08-10 23:11:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 243.97 Mbit/s
95th percentile per-packet one-way delay: 121.001 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 183.01 Mbit/s
95th percentile per-packet one-way delay: 122.102 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 69.89 Mbit/s
95th percentile per-packet one-way delay: 117.535 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: 118.150 ms
Loss rate: 2.73%
```


Run 1: Report of PCC-Expr — Data Link

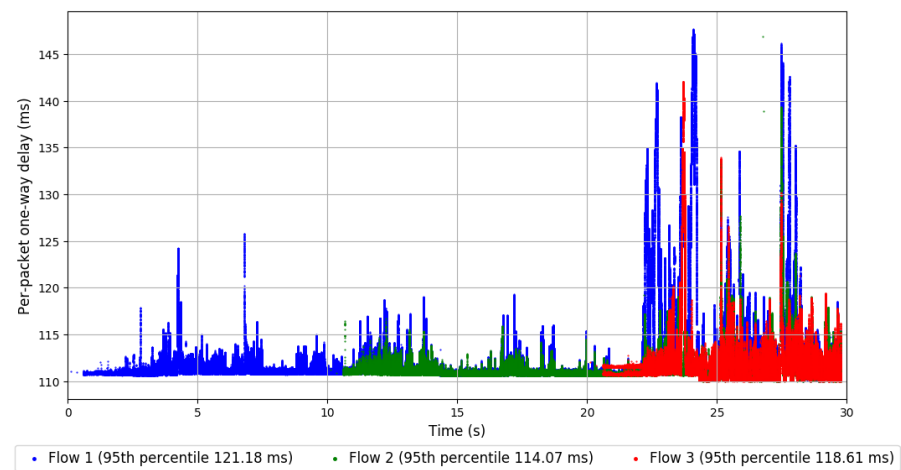
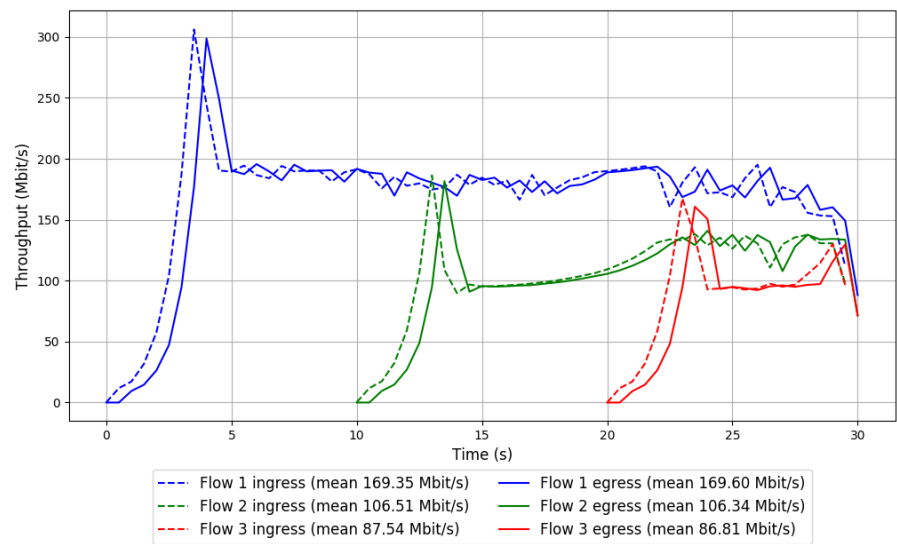


Run 2: Statistics of PCC-Expr

Start at: 2018-08-10 17:20:08
End at: 2018-08-10 17:20:38
Local clock offset: -0.099 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-08-10 23:11:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.31 Mbit/s
95th percentile per-packet one-way delay: 118.204 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 169.60 Mbit/s
95th percentile per-packet one-way delay: 121.183 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 106.34 Mbit/s
95th percentile per-packet one-way delay: 114.068 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 118.609 ms
Loss rate: 3.11%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-10 17:46:26

End at: 2018-08-10 17:46:56

Local clock offset: -0.157 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-08-10 23:14:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.38 Mbit/s

95th percentile per-packet one-way delay: 170.362 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 167.37 Mbit/s

95th percentile per-packet one-way delay: 115.649 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 98.42 Mbit/s

95th percentile per-packet one-way delay: 112.696 ms

Loss rate: 1.34%

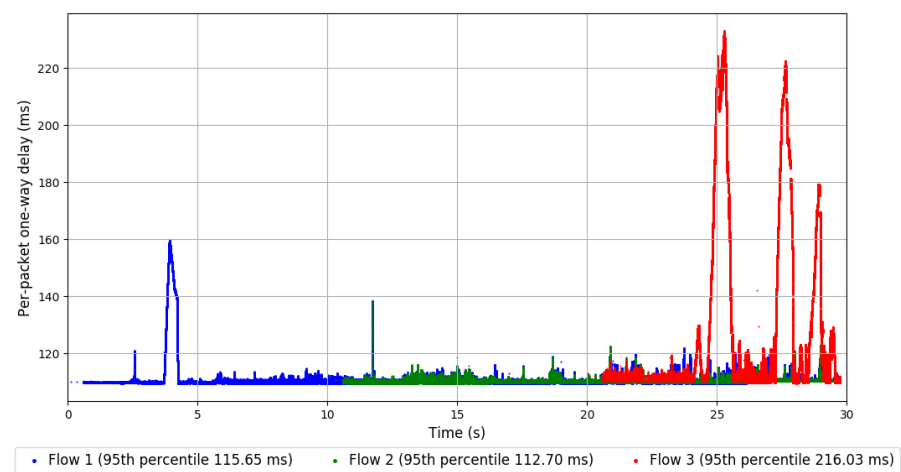
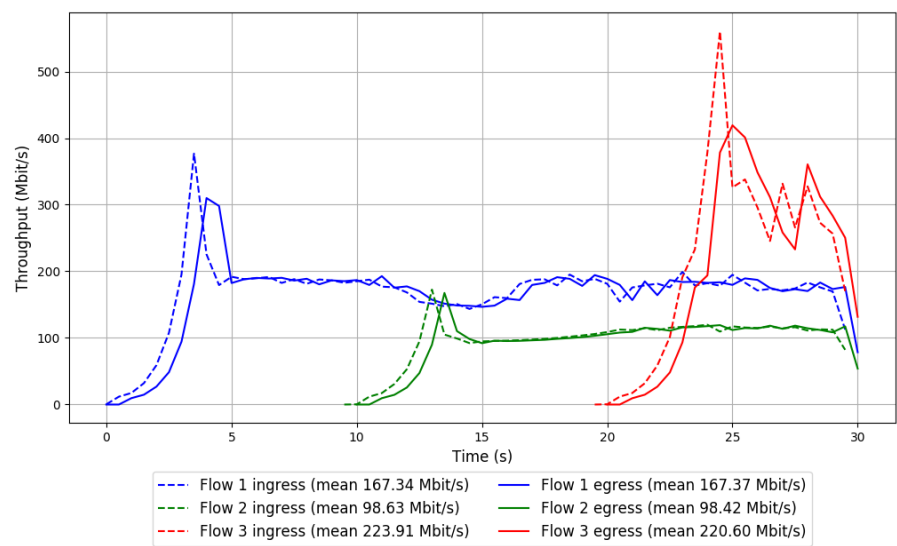
-- Flow 3:

Average throughput: 220.60 Mbit/s

95th percentile per-packet one-way delay: 216.027 ms

Loss rate: 3.73%

Run 3: Report of PCC-Expr — Data Link

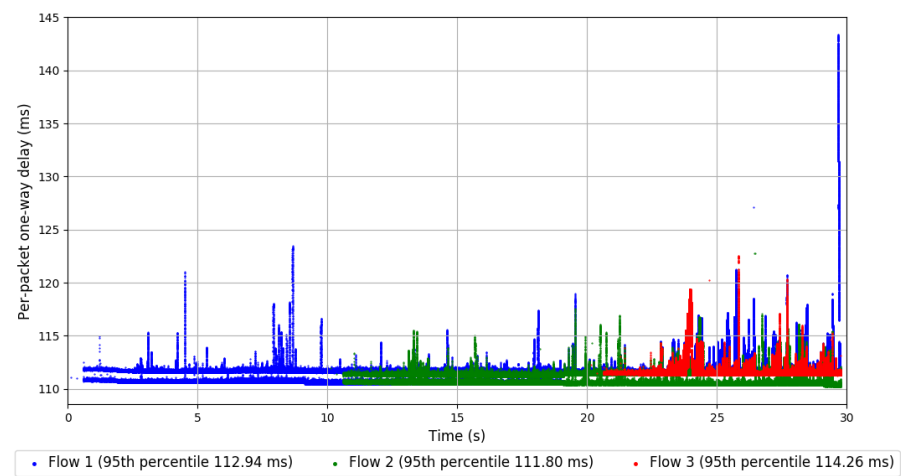
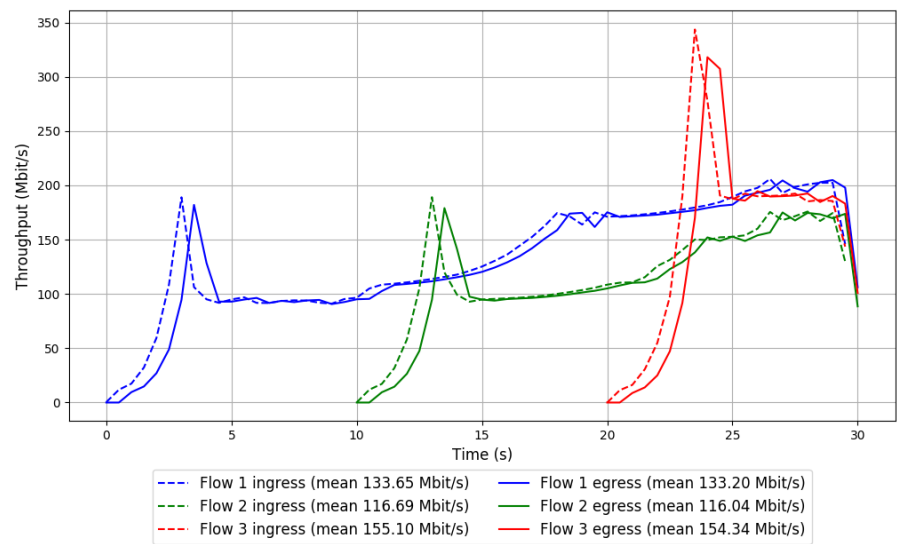


Run 4: Statistics of PCC-Expr

Start at: 2018-08-10 18:12:24
End at: 2018-08-10 18:12:54
Local clock offset: 0.442 ms
Remote clock offset: -1.642 ms

Below is generated by plot.py at 2018-08-10 23:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.18 Mbit/s
95th percentile per-packet one-way delay: 112.839 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 133.20 Mbit/s
95th percentile per-packet one-way delay: 112.944 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 116.04 Mbit/s
95th percentile per-packet one-way delay: 111.804 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 154.34 Mbit/s
95th percentile per-packet one-way delay: 114.260 ms
Loss rate: 2.76%

Run 4: Report of PCC-Expr — Data Link

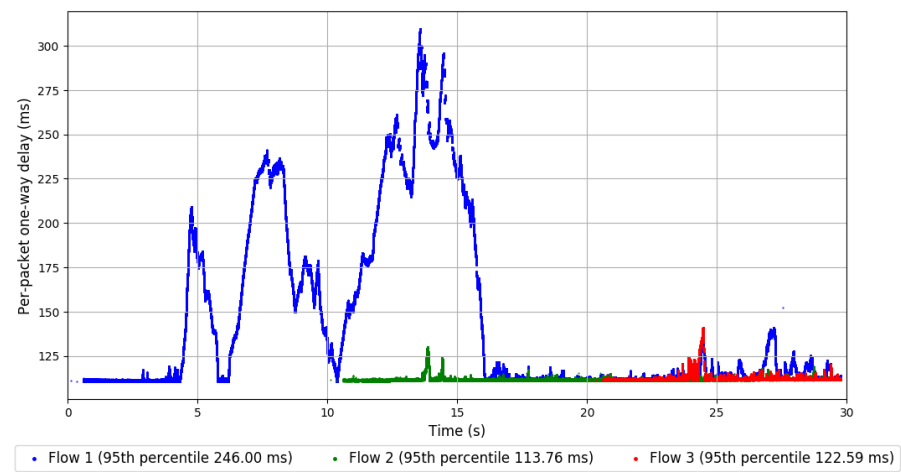
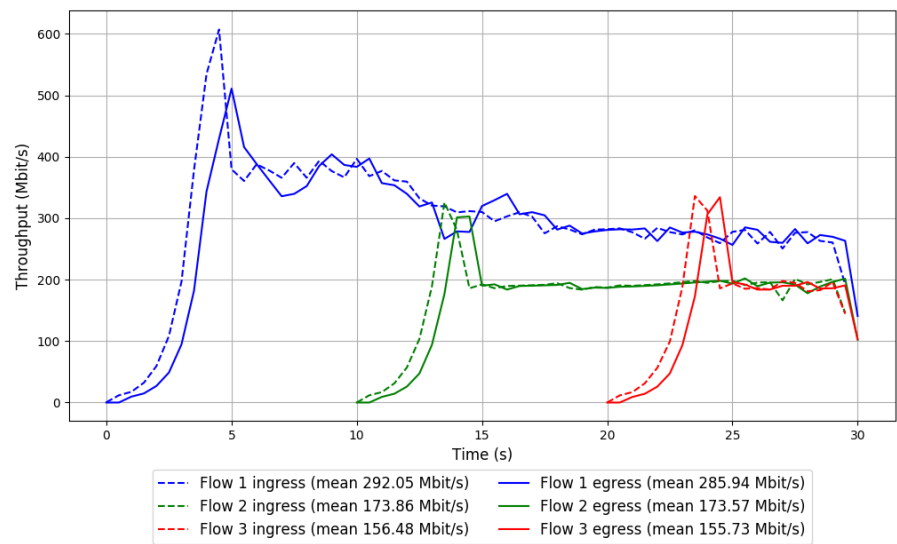


Run 5: Statistics of PCC-Expr

Start at: 2018-08-10 18:39:20
End at: 2018-08-10 18:39:50
Local clock offset: 0.411 ms
Remote clock offset: -4.725 ms

Below is generated by plot.py at 2018-08-10 23:21:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 451.50 Mbit/s
95th percentile per-packet one-way delay: 236.213 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 285.94 Mbit/s
95th percentile per-packet one-way delay: 246.003 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 173.57 Mbit/s
95th percentile per-packet one-way delay: 113.762 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 155.73 Mbit/s
95th percentile per-packet one-way delay: 122.593 ms
Loss rate: 2.72%

Run 5: Report of PCC-Expr — Data Link

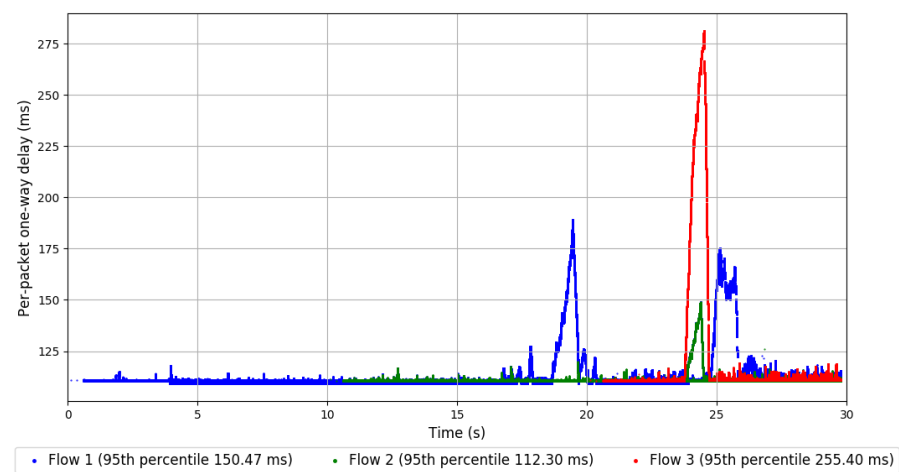
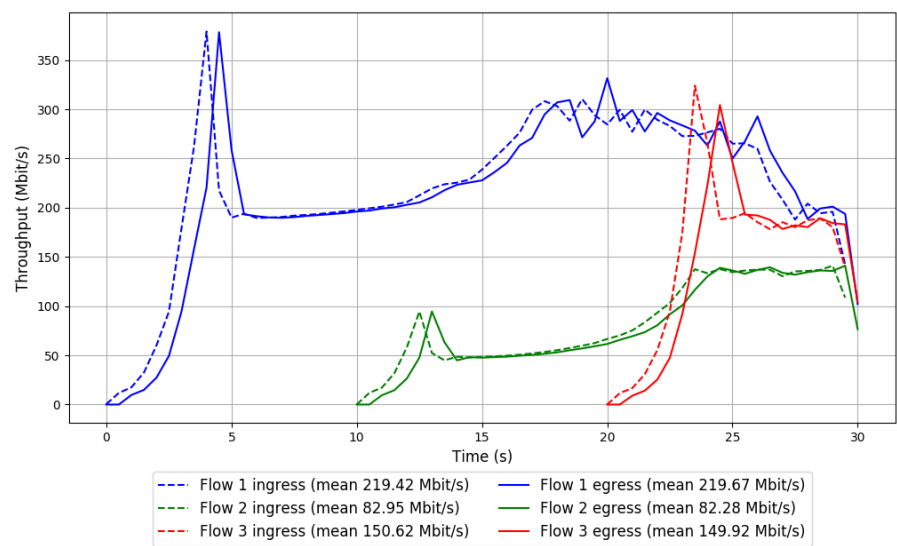


Run 6: Statistics of PCC-Expr

Start at: 2018-08-10 19:06:39
End at: 2018-08-10 19:07:09
Local clock offset: -0.18 ms
Remote clock offset: -4.696 ms

Below is generated by plot.py at 2018-08-10 23:21:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.91 Mbit/s
95th percentile per-packet one-way delay: 156.083 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 219.67 Mbit/s
95th percentile per-packet one-way delay: 150.470 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 82.28 Mbit/s
95th percentile per-packet one-way delay: 112.295 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 149.92 Mbit/s
95th percentile per-packet one-way delay: 255.396 ms
Loss rate: 2.72%

Run 6: Report of PCC-Expr — Data Link

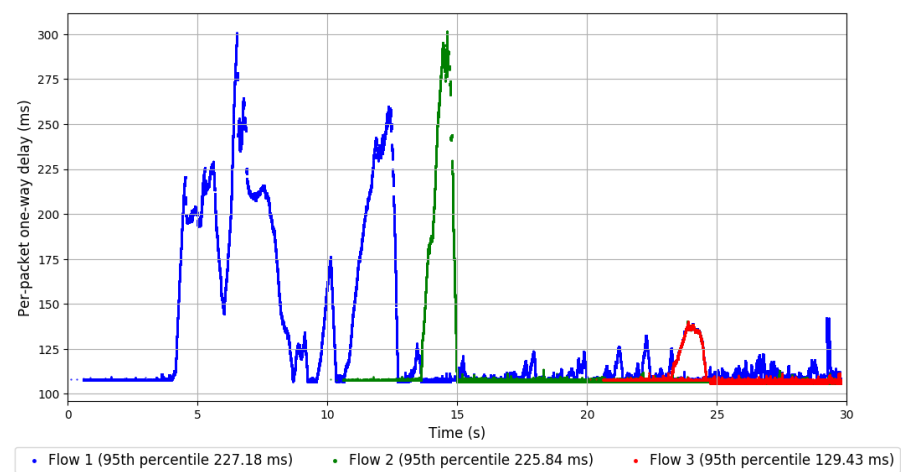
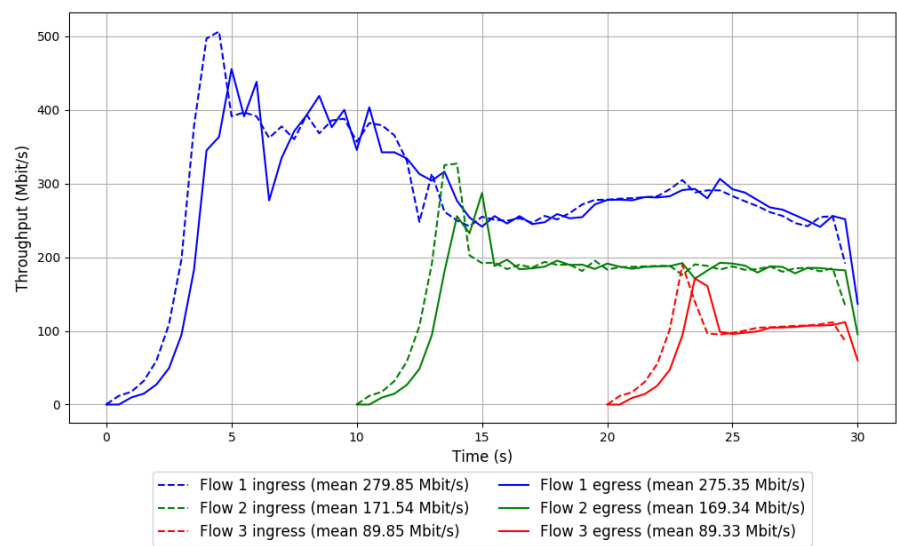


Run 7: Statistics of PCC-Expr

Start at: 2018-08-10 19:34:48
End at: 2018-08-10 19:35:18
Local clock offset: -2.956 ms
Remote clock offset: -1.842 ms

Below is generated by plot.py at 2018-08-10 23:24:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.54 Mbit/s
95th percentile per-packet one-way delay: 224.228 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 275.35 Mbit/s
95th percentile per-packet one-way delay: 227.176 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 169.34 Mbit/s
95th percentile per-packet one-way delay: 225.842 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 129.431 ms
Loss rate: 2.83%

Run 7: Report of PCC-Expr — Data Link

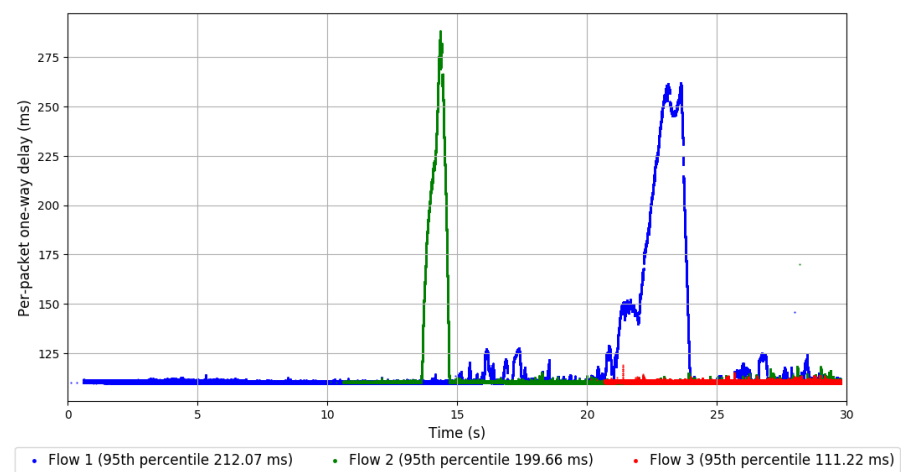
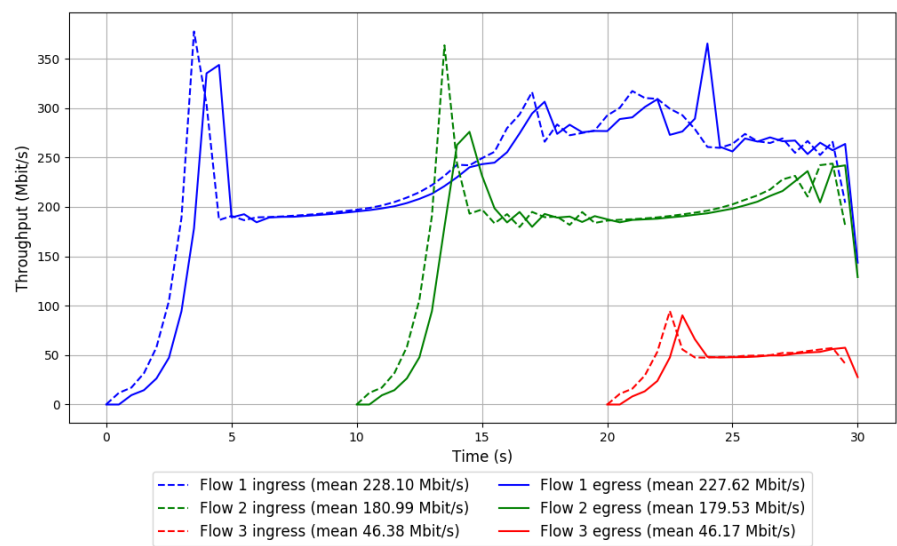


Run 8: Statistics of PCC-Expr

Start at: 2018-08-10 20:02:26
End at: 2018-08-10 20:02:56
Local clock offset: -0.068 ms
Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-08-10 23:24:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.52 Mbit/s
95th percentile per-packet one-way delay: 203.351 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 227.62 Mbit/s
95th percentile per-packet one-way delay: 212.075 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 179.53 Mbit/s
95th percentile per-packet one-way delay: 199.659 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 111.220 ms
Loss rate: 2.81%

Run 8: Report of PCC-Expr — Data Link

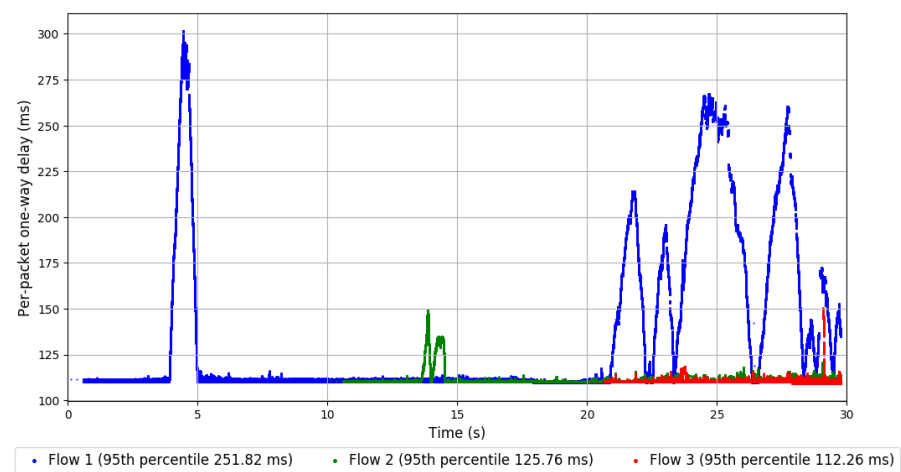
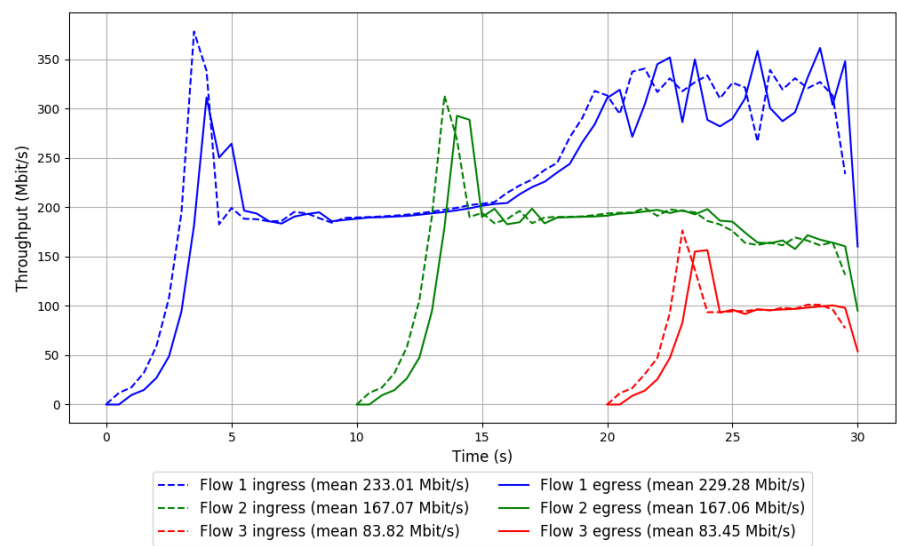


Run 9: Statistics of PCC-Expr

Start at: 2018-08-10 20:29:35
End at: 2018-08-10 20:30:05
Local clock offset: -0.028 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-08-10 23:24:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.06 Mbit/s
95th percentile per-packet one-way delay: 233.687 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 229.28 Mbit/s
95th percentile per-packet one-way delay: 251.820 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 167.06 Mbit/s
95th percentile per-packet one-way delay: 125.757 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 83.45 Mbit/s
95th percentile per-packet one-way delay: 112.262 ms
Loss rate: 2.70%

Run 9: Report of PCC-Expr — Data Link

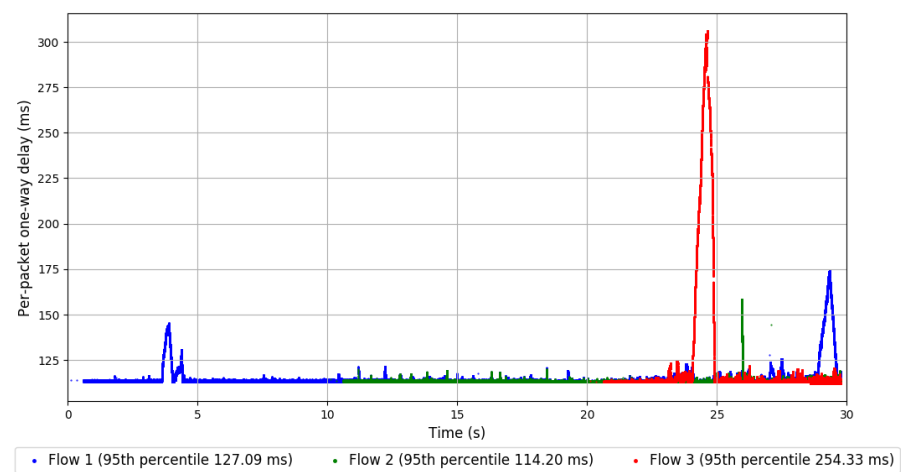
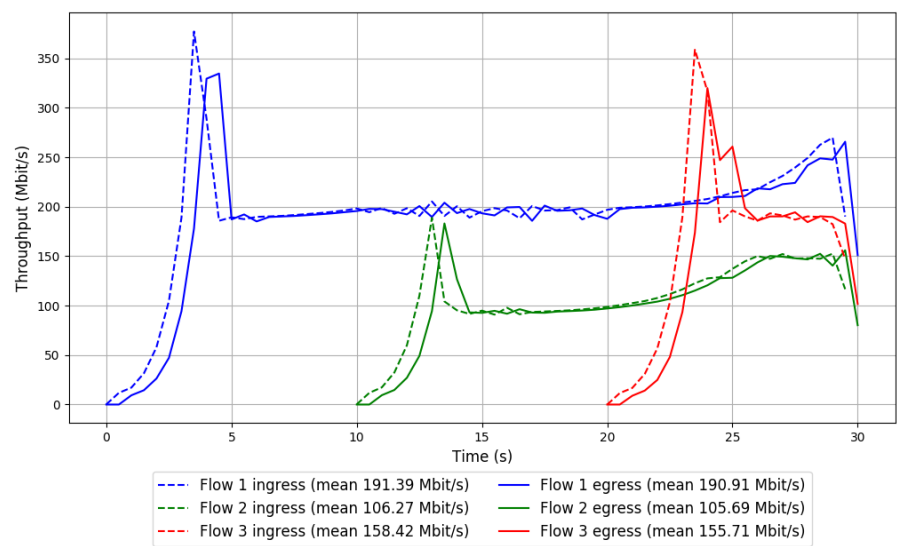


Run 10: Statistics of PCC-Expr

Start at: 2018-08-10 20:56:34
End at: 2018-08-10 20:57:04
Local clock offset: 2.739 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-08-10 23:24:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.52 Mbit/s
95th percentile per-packet one-way delay: 130.132 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 190.91 Mbit/s
95th percentile per-packet one-way delay: 127.089 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 105.69 Mbit/s
95th percentile per-packet one-way delay: 114.205 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 155.71 Mbit/s
95th percentile per-packet one-way delay: 254.333 ms
Loss rate: 3.94%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-10 16:52:43

End at: 2018-08-10 16:53:13

Local clock offset: -0.126 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-08-10 23:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.44 Mbit/s

95th percentile per-packet one-way delay: 110.678 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 113.280 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.61 Mbit/s

95th percentile per-packet one-way delay: 110.737 ms

Loss rate: 0.80%

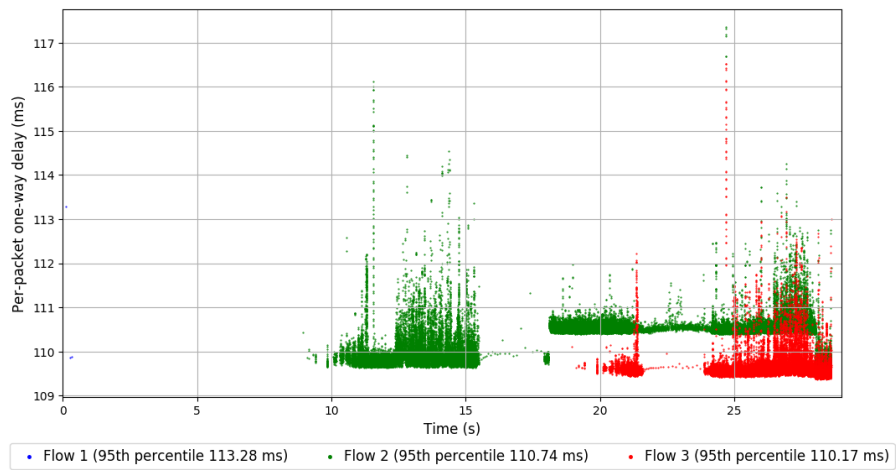
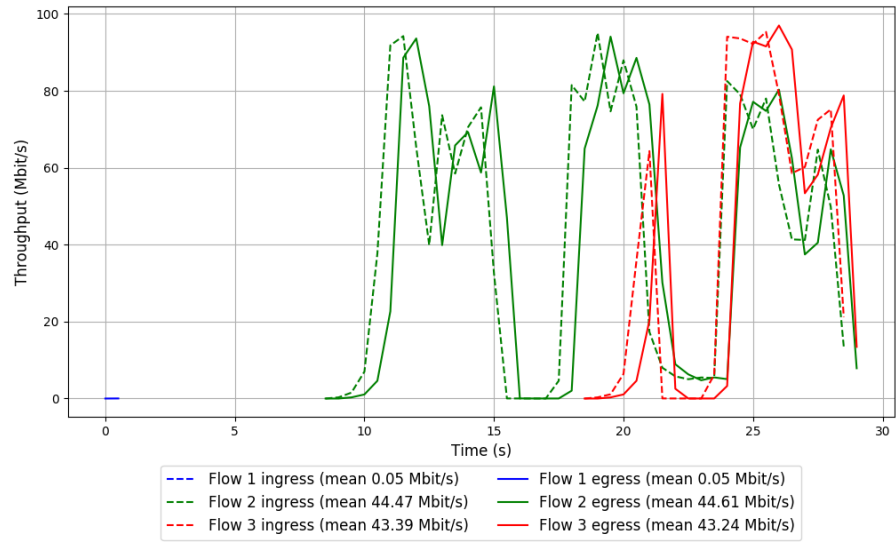
-- Flow 3:

Average throughput: 43.24 Mbit/s

95th percentile per-packet one-way delay: 110.172 ms

Loss rate: 2.57%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-10 17:18:49

End at: 2018-08-10 17:19:19

Local clock offset: -0.128 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-08-10 23:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 110.642 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 53.47 Mbit/s

95th percentile per-packet one-way delay: 110.506 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 44.06 Mbit/s

95th percentile per-packet one-way delay: 110.734 ms

Loss rate: 1.84%

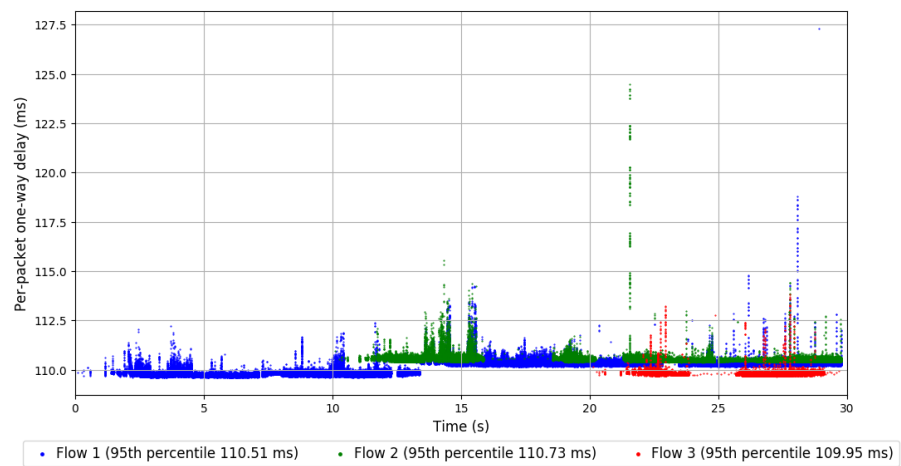
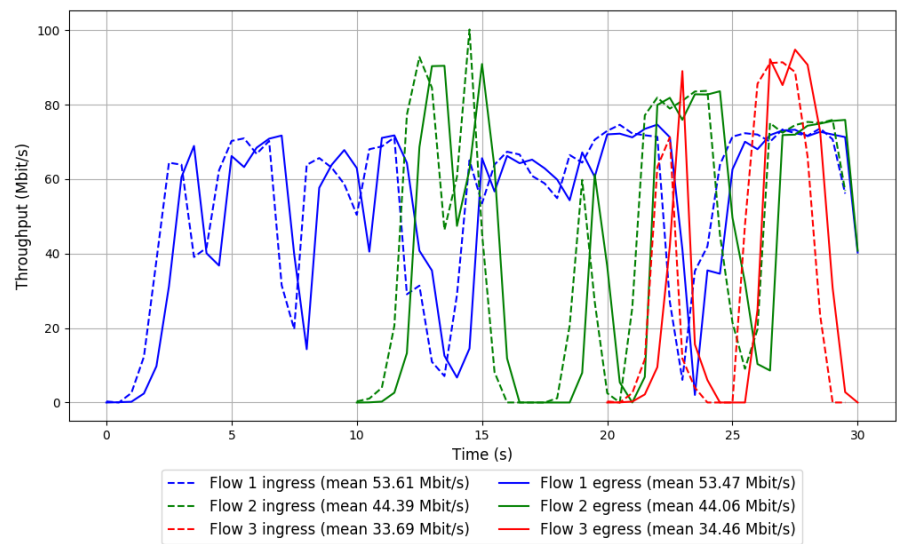
-- Flow 3:

Average throughput: 34.46 Mbit/s

95th percentile per-packet one-way delay: 109.953 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

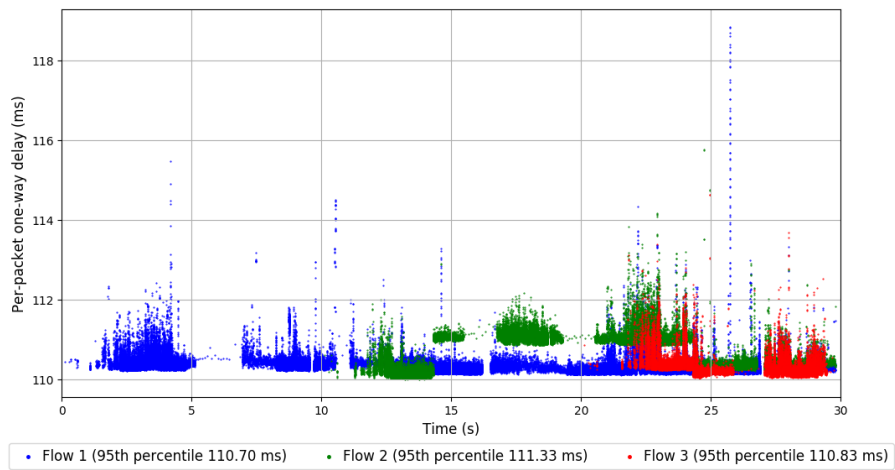
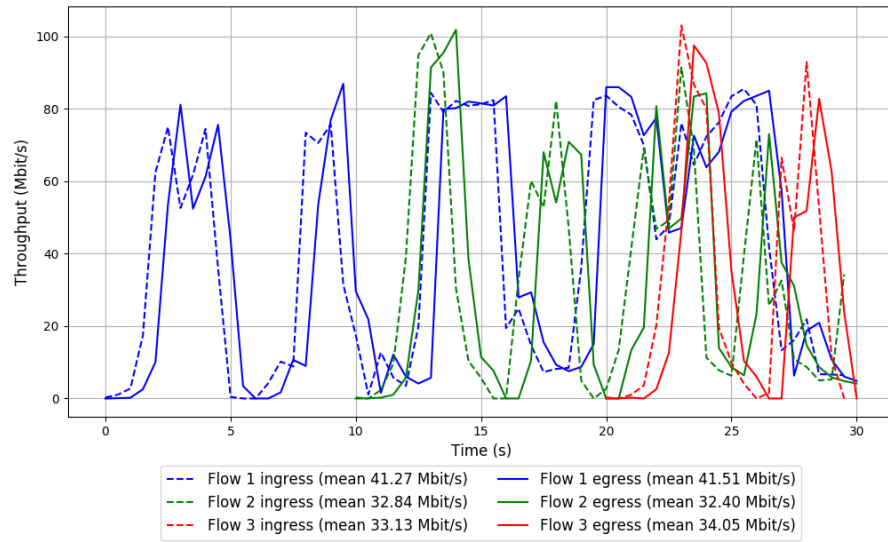


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-10 17:45:08
End at: 2018-08-10 17:45:38
Local clock offset: 0.077 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 111.139 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 110.705 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 111.332 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 110.831 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-10 18:11:04

End at: 2018-08-10 18:11:35

Local clock offset: -0.007 ms

Remote clock offset: -1.23 ms

Below is generated by plot.py at 2018-08-10 23:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 110.927 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 40.78 Mbit/s

95th percentile per-packet one-way delay: 110.834 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 53.17 Mbit/s

95th percentile per-packet one-way delay: 110.986 ms

Loss rate: 1.86%

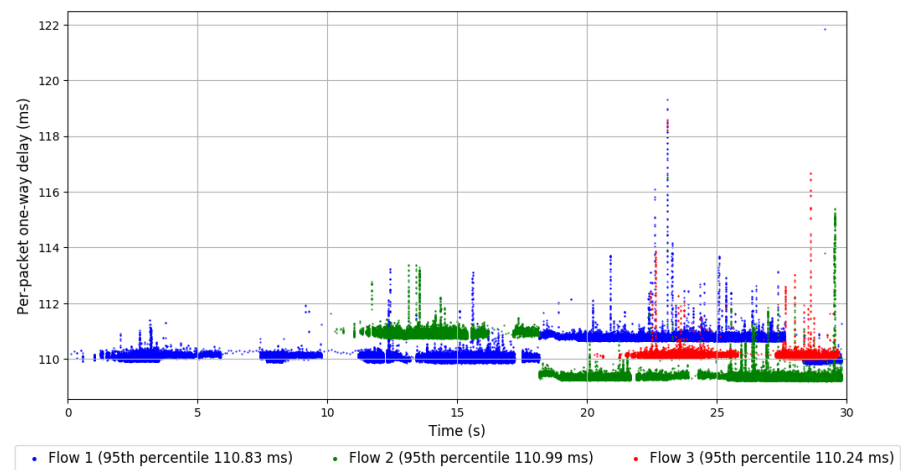
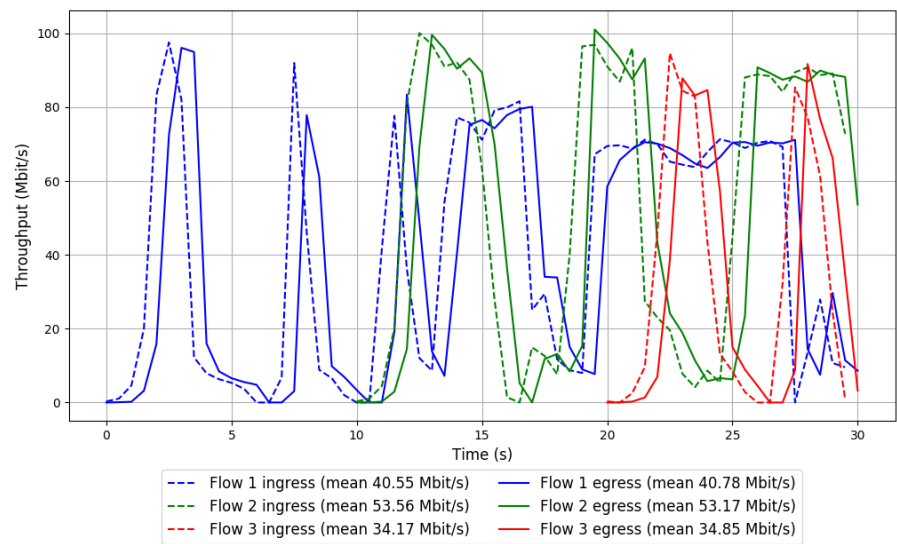
-- Flow 3:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 110.239 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-10 18:38:02

End at: 2018-08-10 18:38:32

Local clock offset: -0.178 ms

Remote clock offset: -4.78 ms

Below is generated by plot.py at 2018-08-10 23:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.64 Mbit/s

95th percentile per-packet one-way delay: 110.991 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 110.711 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 42.70 Mbit/s

95th percentile per-packet one-way delay: 111.092 ms

Loss rate: 2.08%

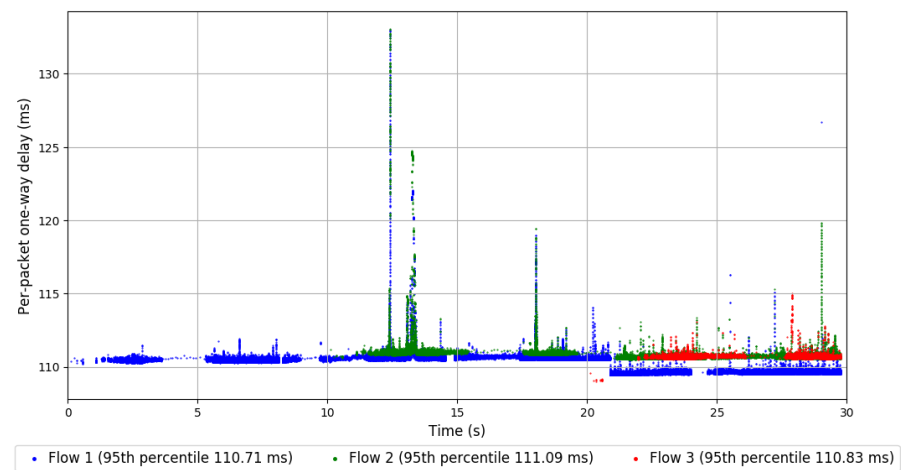
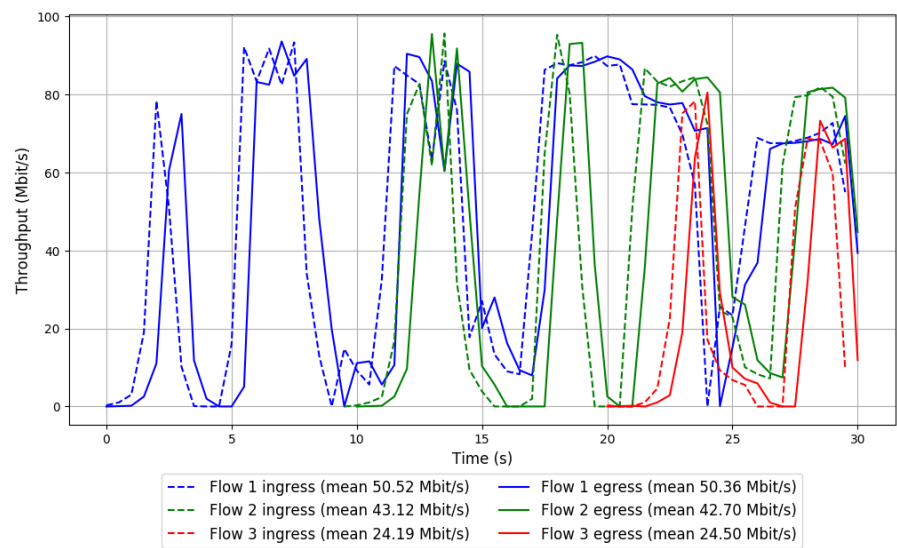
-- Flow 3:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 110.826 ms

Loss rate: 1.01%

Run 5: Report of QUIC Cubic — Data Link

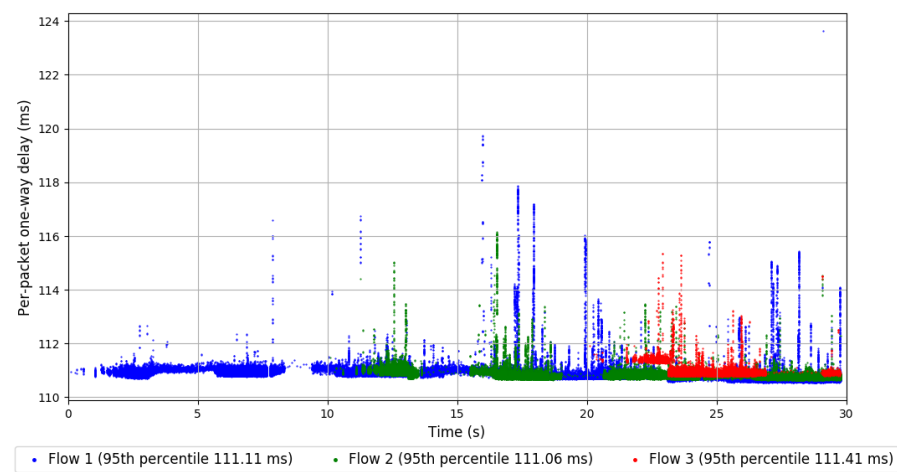
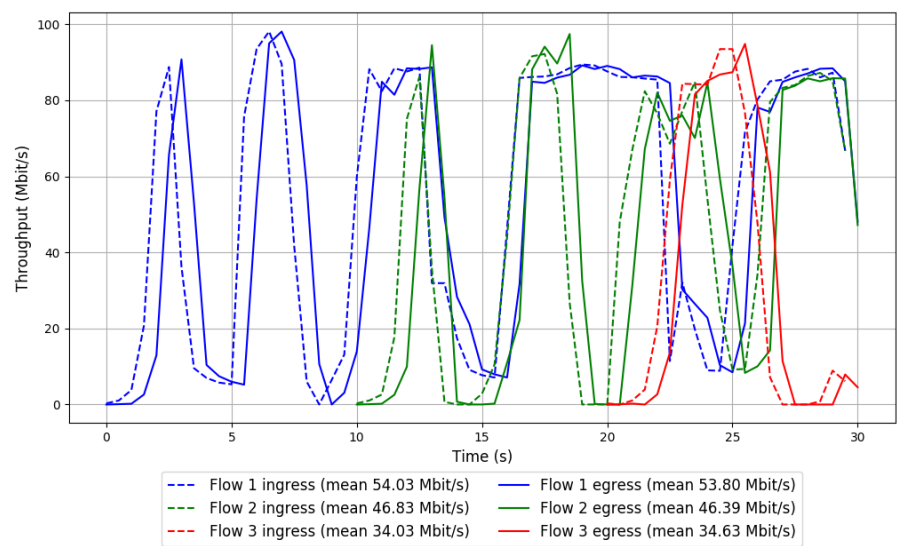


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-10 19:05:20
End at: 2018-08-10 19:05:50
Local clock offset: -0.026 ms
Remote clock offset: -4.595 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 111.155 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 53.80 Mbit/s
95th percentile per-packet one-way delay: 111.108 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 111.062 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 111.411 ms
Loss rate: 0.52%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-10 19:33:27

End at: 2018-08-10 19:33:57

Local clock offset: -0.172 ms

Remote clock offset: -2.16 ms

Below is generated by plot.py at 2018-08-10 23:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.90 Mbit/s

95th percentile per-packet one-way delay: 111.522 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 56.93 Mbit/s

95th percentile per-packet one-way delay: 111.568 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 47.51 Mbit/s

95th percentile per-packet one-way delay: 110.861 ms

Loss rate: 1.93%

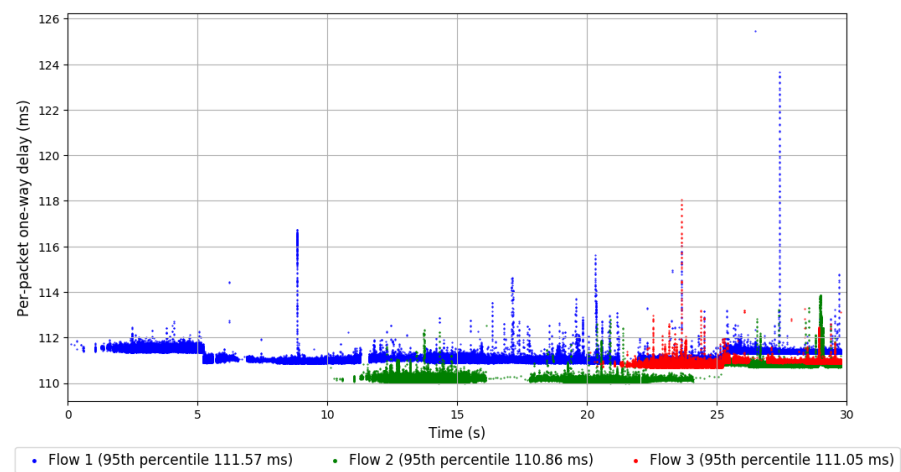
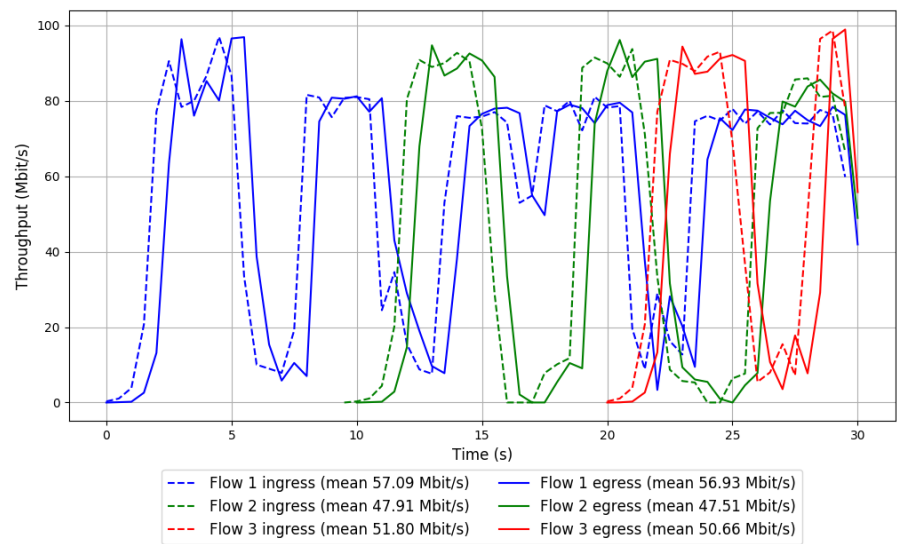
-- Flow 3:

Average throughput: 50.66 Mbit/s

95th percentile per-packet one-way delay: 111.045 ms

Loss rate: 4.36%

Run 7: Report of QUIC Cubic — Data Link

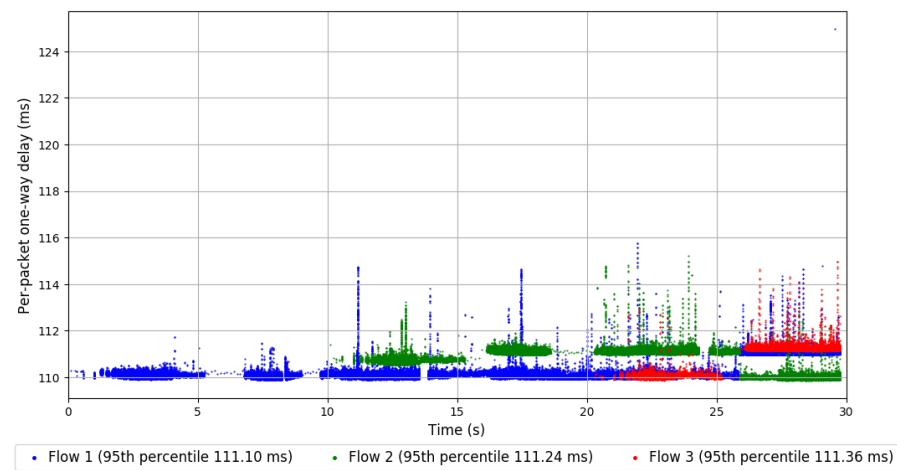
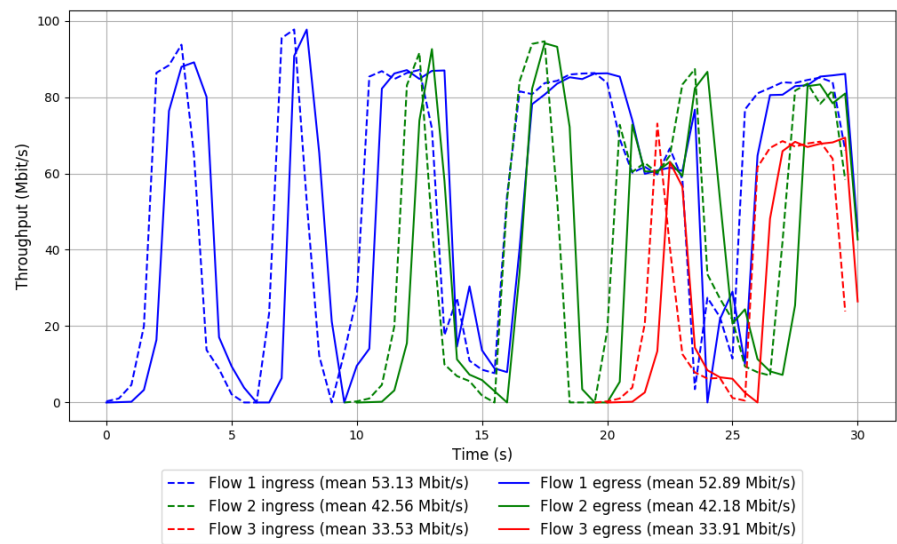


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-10 20:01:07
End at: 2018-08-10 20:01:37
Local clock offset: -0.127 ms
Remote clock offset: -0.727 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 111.248 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 111.099 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 42.18 Mbit/s
95th percentile per-packet one-way delay: 111.237 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 33.91 Mbit/s
95th percentile per-packet one-way delay: 111.358 ms
Loss rate: 1.10%

Run 8: Report of QUIC Cubic — Data Link

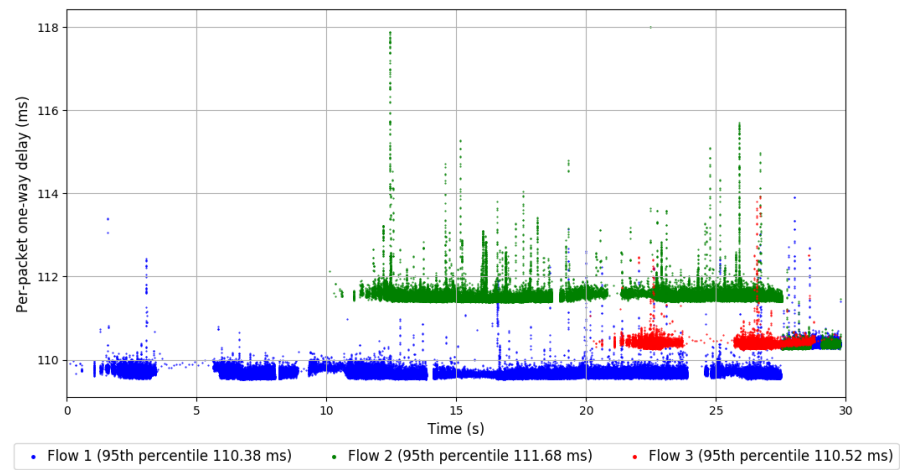
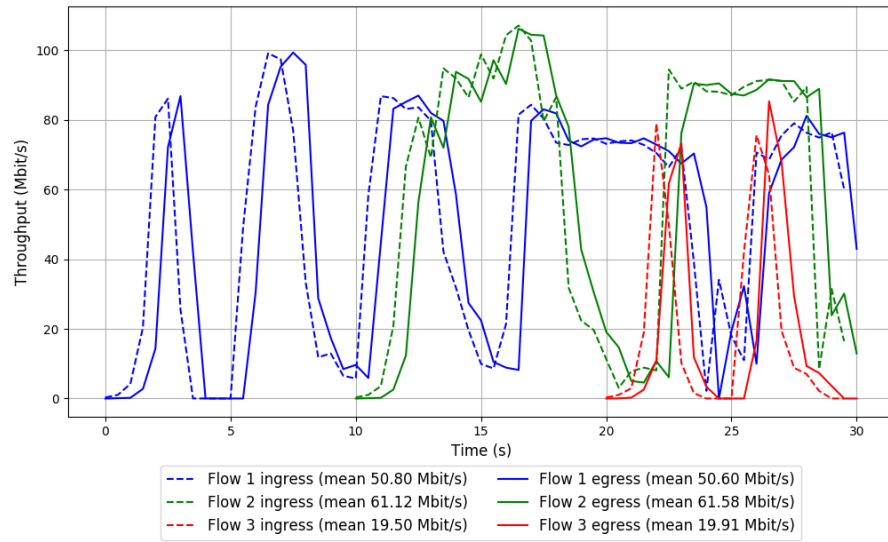


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-10 20:28:15
End at: 2018-08-10 20:28:45
Local clock offset: -0.159 ms
Remote clock offset: -0.722 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.88 Mbit/s
95th percentile per-packet one-way delay: 111.598 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 50.60 Mbit/s
95th percentile per-packet one-way delay: 110.376 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 111.677 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 110.524 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-10 20:55:14

End at: 2018-08-10 20:55:44

Local clock offset: -3.057 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-08-10 23:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 101.86 Mbit/s

95th percentile per-packet one-way delay: 108.143 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 60.90 Mbit/s

95th percentile per-packet one-way delay: 108.188 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 42.05 Mbit/s

95th percentile per-packet one-way delay: 107.662 ms

Loss rate: 2.01%

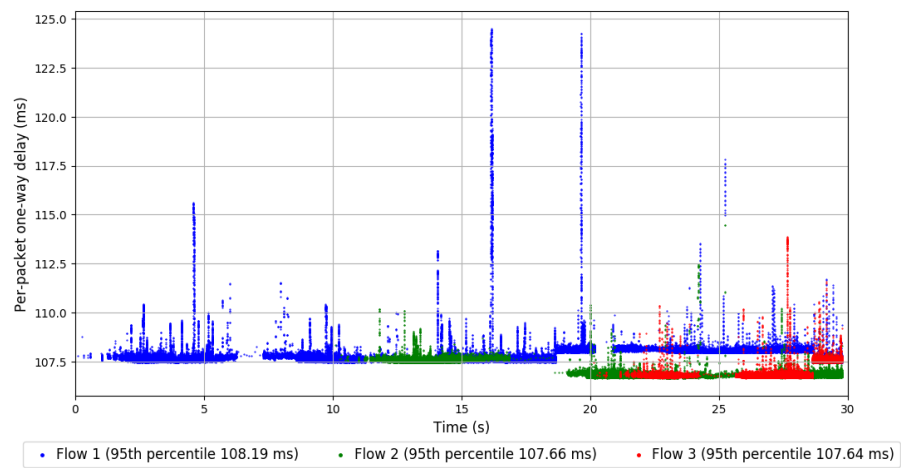
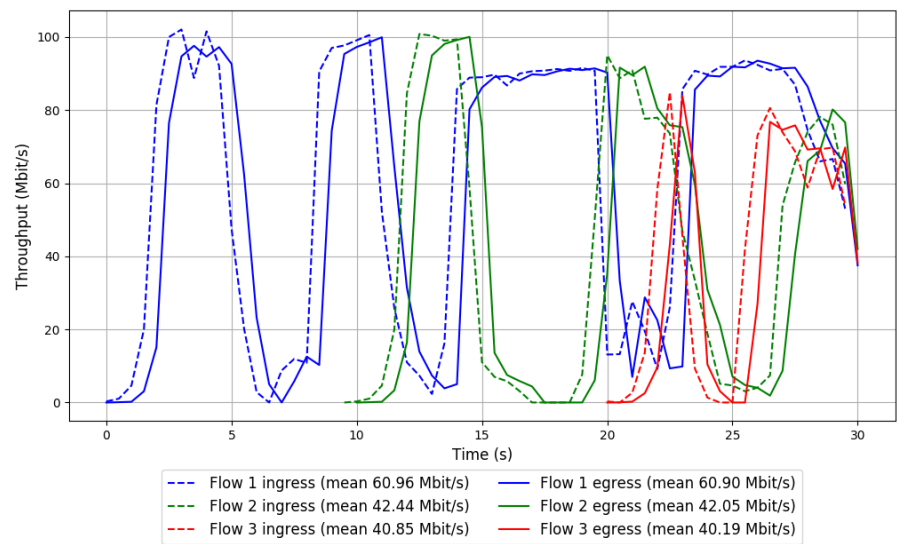
-- Flow 3:

Average throughput: 40.19 Mbit/s

95th percentile per-packet one-way delay: 107.643 ms

Loss rate: 3.80%

Run 10: Report of QUIC Cubic — Data Link

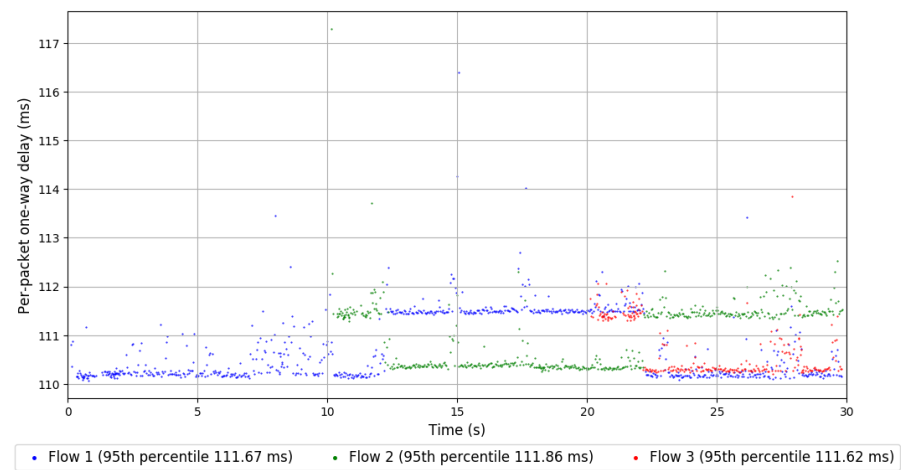
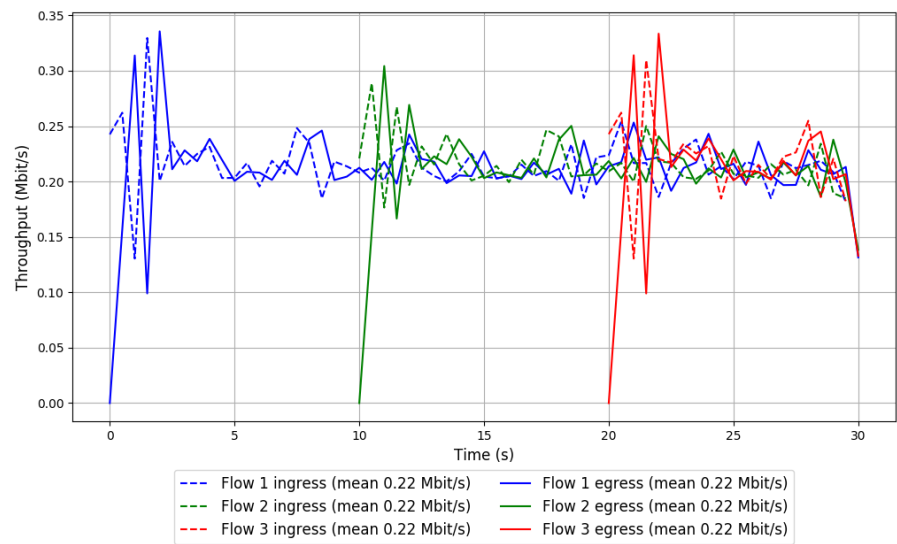


```
Run 1: Statistics of SReAM

Start at: 2018-08-10 16:51:30
End at: 2018-08-10 16:52:01
Local clock offset: -0.009 ms
Remote clock offset: -0.25 ms

# Below is generated by plot.py at 2018-08-10 23:24:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.773 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.672 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.864 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.622 ms
Loss rate: 2.21%
```


Run 1: Report of SCSReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-08-10 17:17:36

End at: 2018-08-10 17:18:06

Local clock offset: 0.261 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-08-10 23:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 111.980 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.800 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 112.160 ms

Loss rate: 1.16%

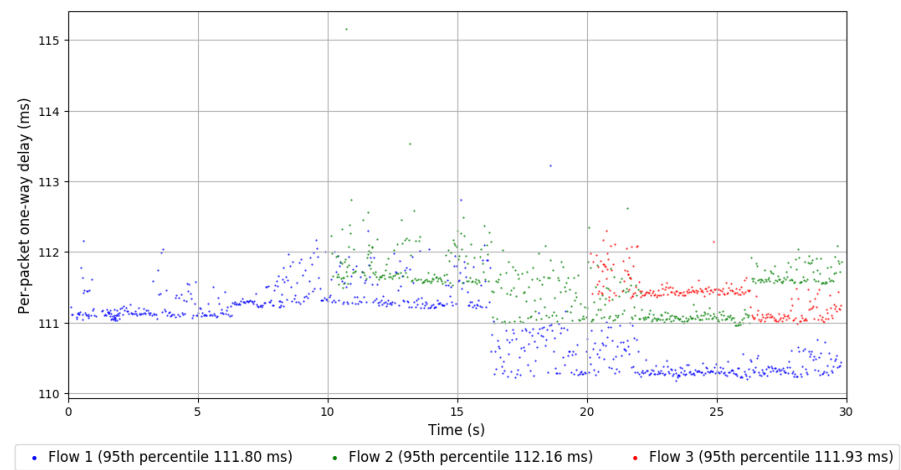
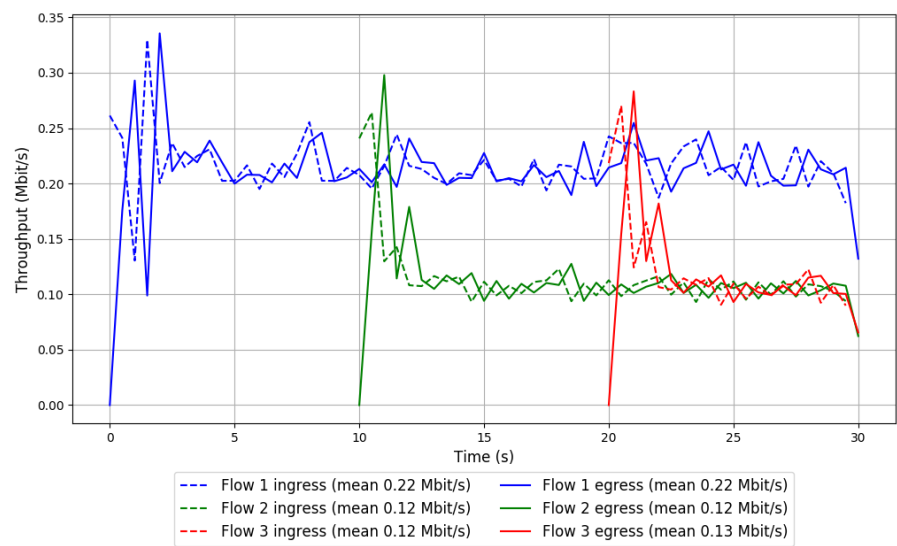
-- Flow 3:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 111.926 ms

Loss rate: 1.97%

Run 2: Report of SReAM — Data Link

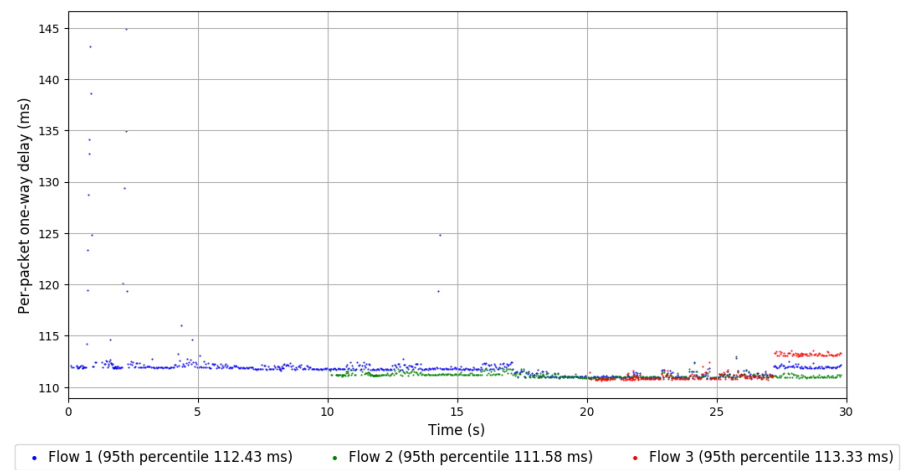
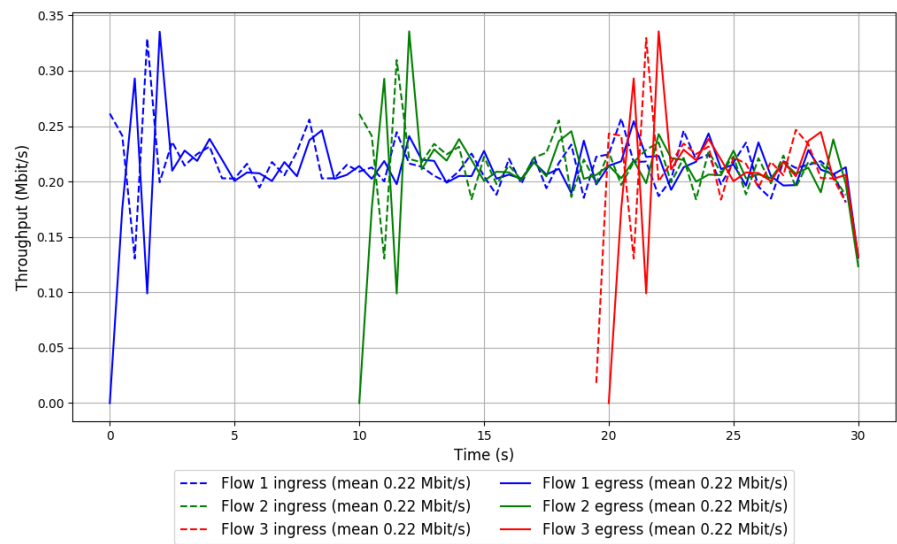


Run 3: Statistics of SReAM

Start at: 2018-08-10 17:43:56
End at: 2018-08-10 17:44:26
Local clock offset: 0.503 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.085 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.434 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.585 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.326 ms
Loss rate: 2.21%

Run 3: Report of SReAM — Data Link

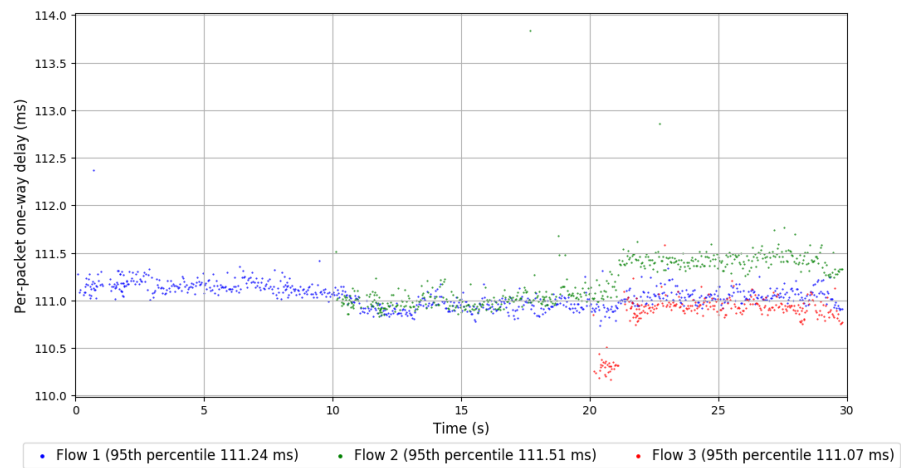
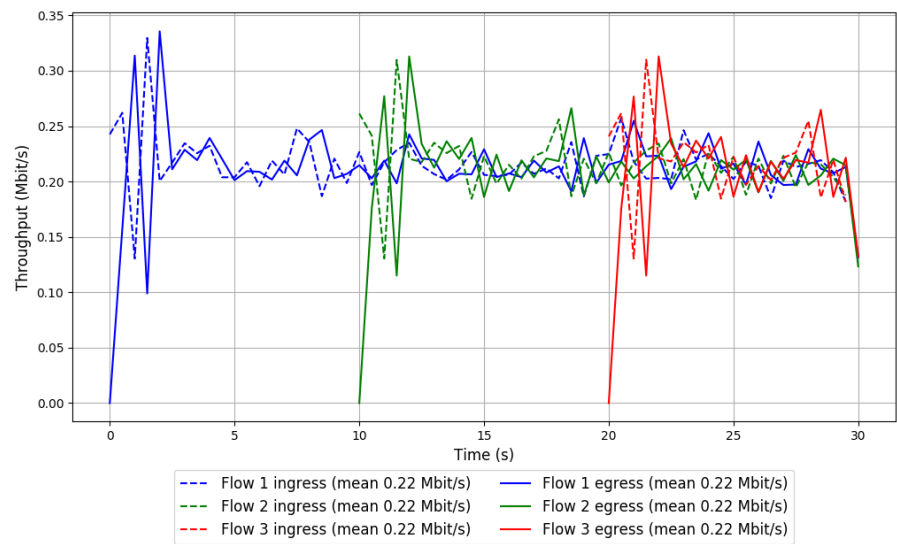


Run 4: Statistics of SReAM

Start at: 2018-08-10 18:09:52
End at: 2018-08-10 18:10:22
Local clock offset: -0.13 ms
Remote clock offset: -0.974 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.461 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.244 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.511 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.072 ms
Loss rate: 2.21%

Run 4: Report of SReAM — Data Link

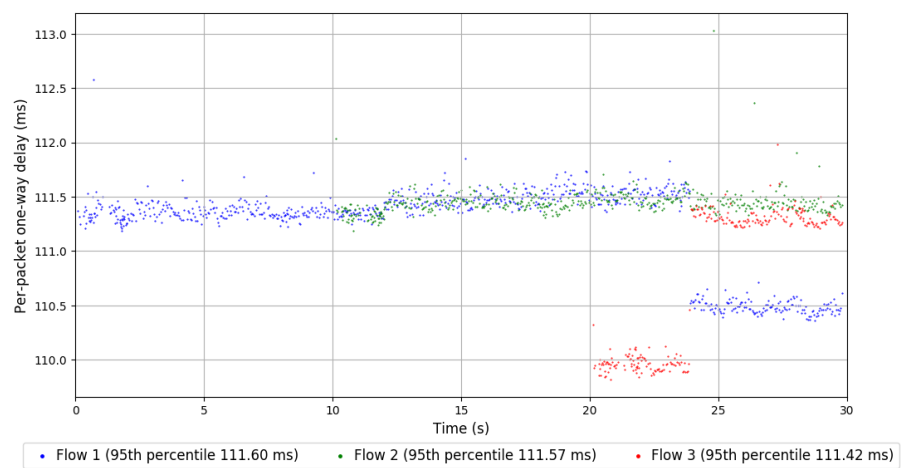
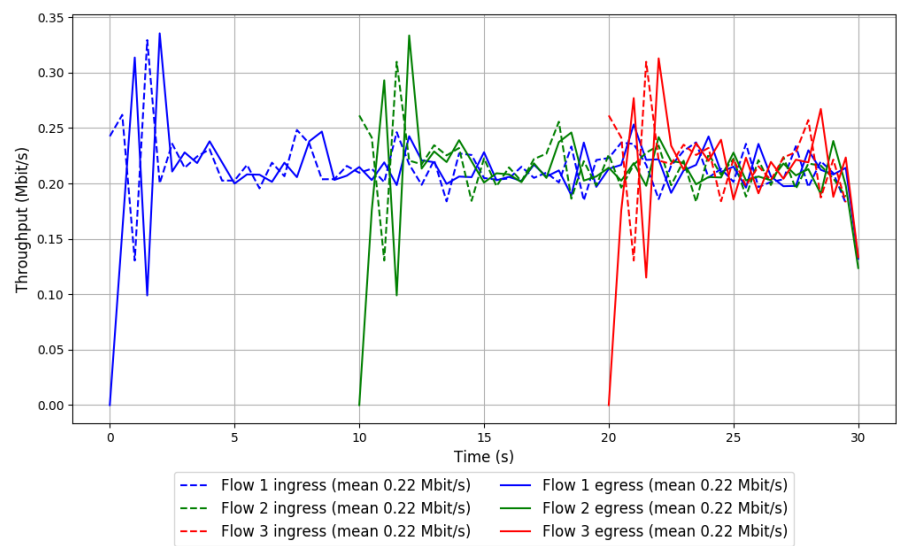


Run 5: Statistics of SReAM

Start at: 2018-08-10 18:36:49
End at: 2018-08-10 18:37:19
Local clock offset: -0.135 ms
Remote clock offset: -5.835 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.583 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.601 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.573 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.415 ms
Loss rate: 2.22%

Run 5: Report of SReAM — Data Link

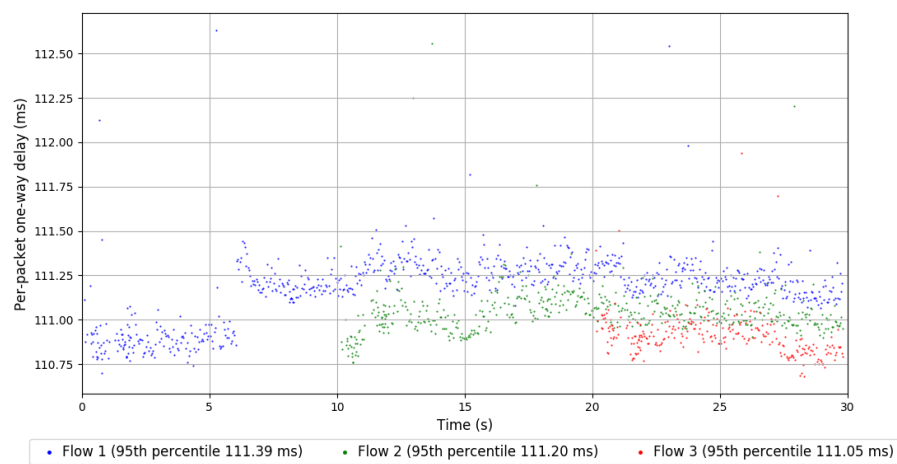
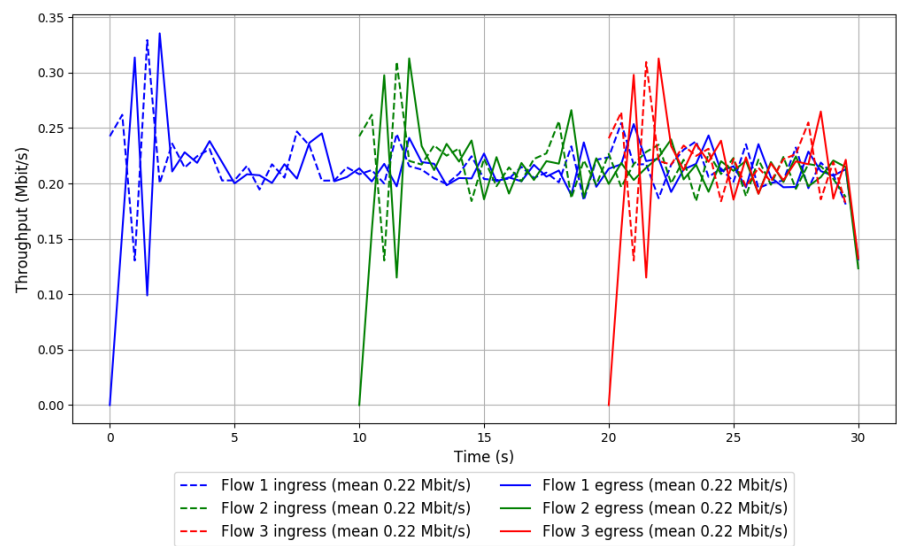


Run 6: Statistics of SReAM

Start at: 2018-08-10 19:04:07
End at: 2018-08-10 19:04:37
Local clock offset: -0.204 ms
Remote clock offset: -4.461 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.351 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.393 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.205 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.049 ms
Loss rate: 2.21%

Run 6: Report of SReAM — Data Link

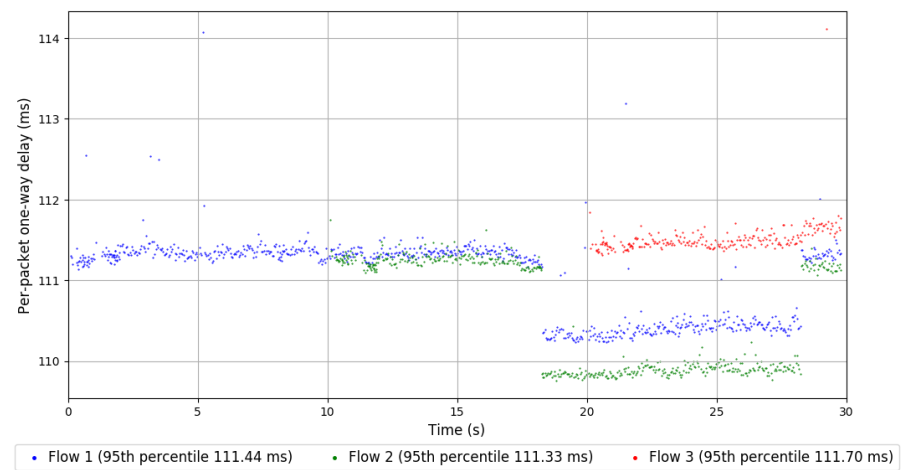
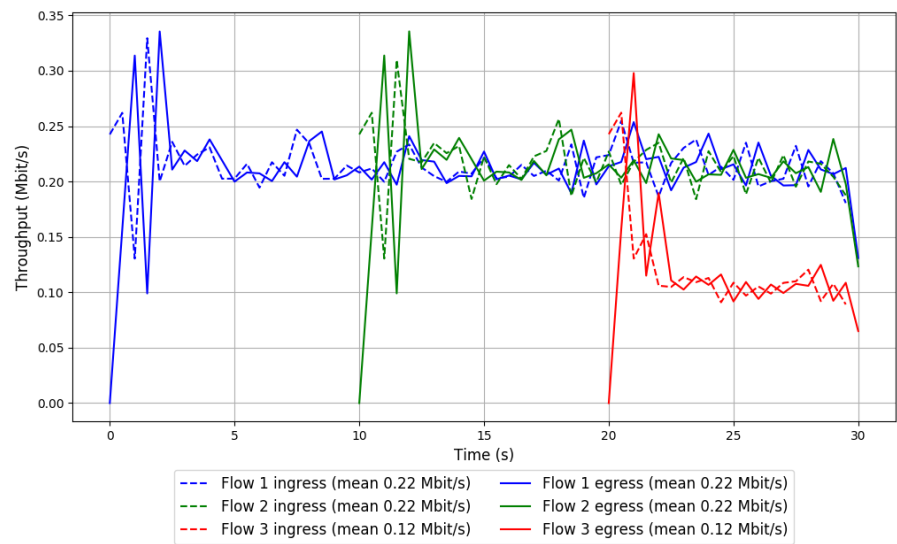


Run 7: Statistics of SCReAM

Start at: 2018-08-10 19:32:14
End at: 2018-08-10 19:32:44
Local clock offset: -0.116 ms
Remote clock offset: -2.131 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.557 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.442 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.327 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 111.699 ms
Loss rate: 1.93%

Run 7: Report of SReAM — Data Link

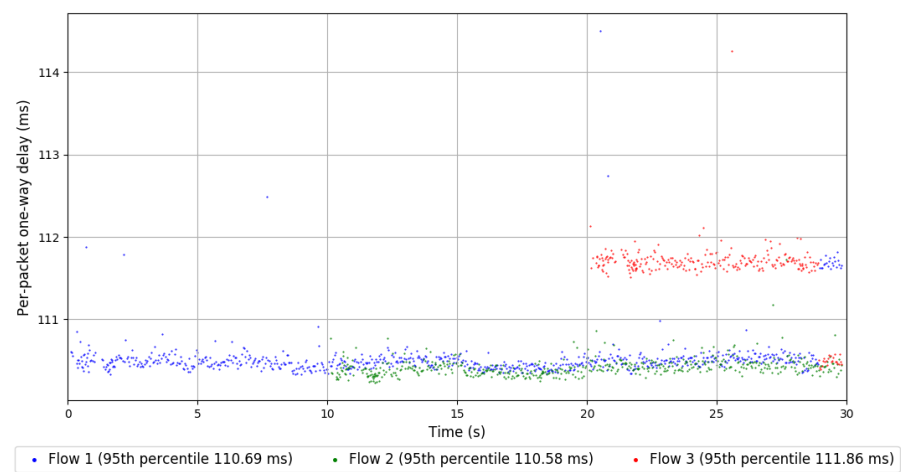
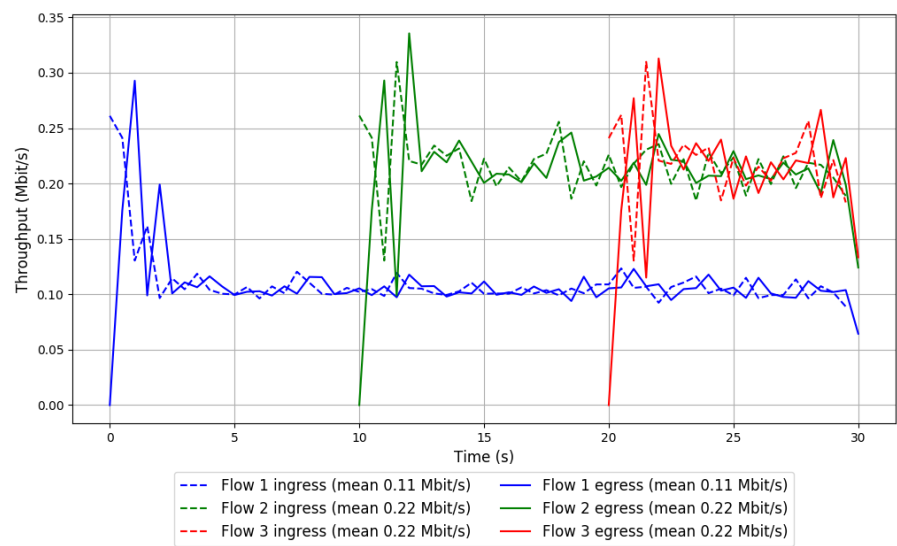


Run 8: Statistics of SReAM

Start at: 2018-08-10 19:59:54
End at: 2018-08-10 20:00:24
Local clock offset: -0.046 ms
Remote clock offset: -0.826 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 111.744 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 110.685 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.575 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.865 ms
Loss rate: 2.22%

Run 8: Report of SReAM — Data Link

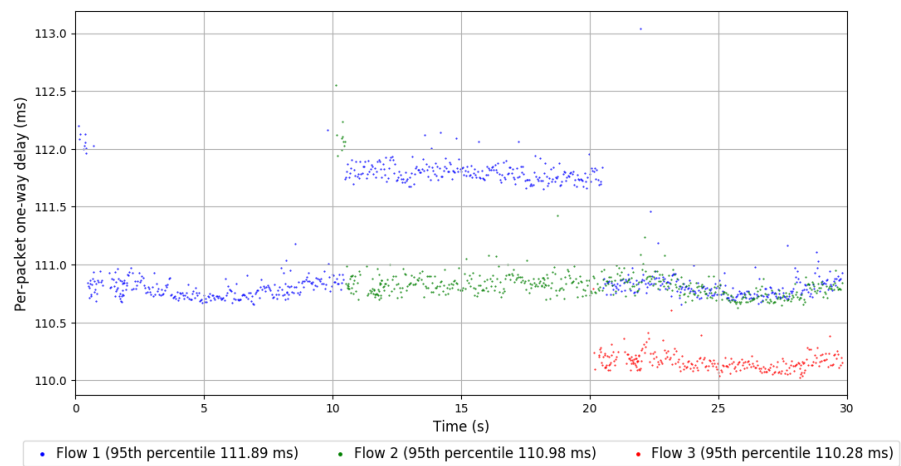
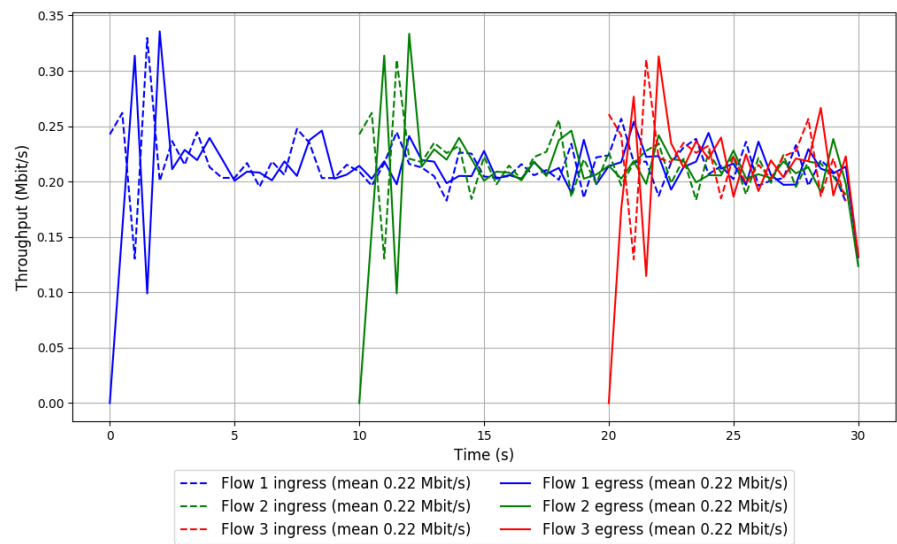


Run 9: Statistics of SReAM

Start at: 2018-08-10 20:27:02
End at: 2018-08-10 20:27:32
Local clock offset: 0.017 ms
Remote clock offset: -0.765 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.842 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.888 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.976 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.285 ms
Loss rate: 2.21%

Run 9: Report of SReAM — Data Link

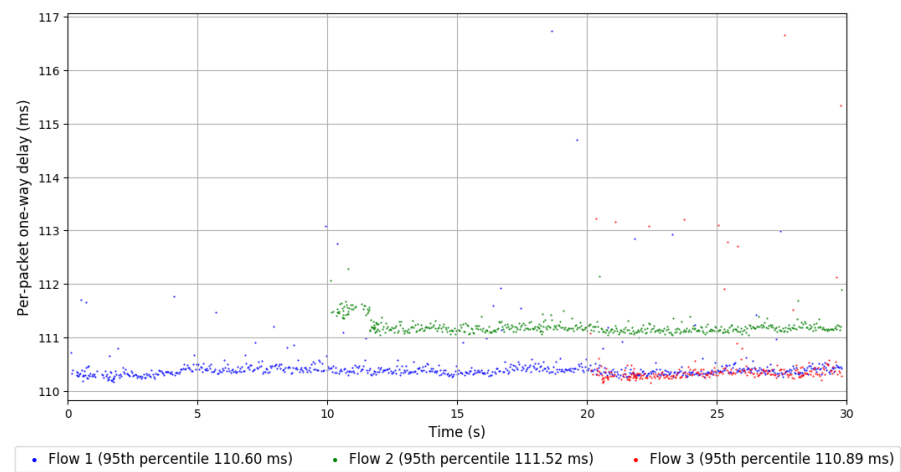
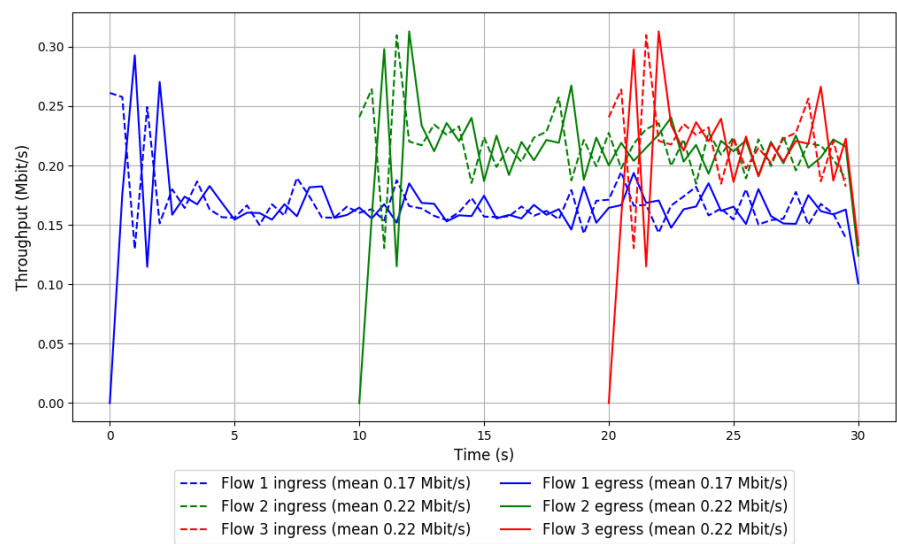


Run 10: Statistics of SReAM

Start at: 2018-08-10 20:54:01
End at: 2018-08-10 20:54:31
Local clock offset: -0.051 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 111.370 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 110.596 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.517 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.886 ms
Loss rate: 2.21%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-10 16:50:18

End at: 2018-08-10 16:50:48

Local clock offset: 1.308 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-08-10 23:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 113.298 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 113.192 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 113.330 ms

Loss rate: 0.27%

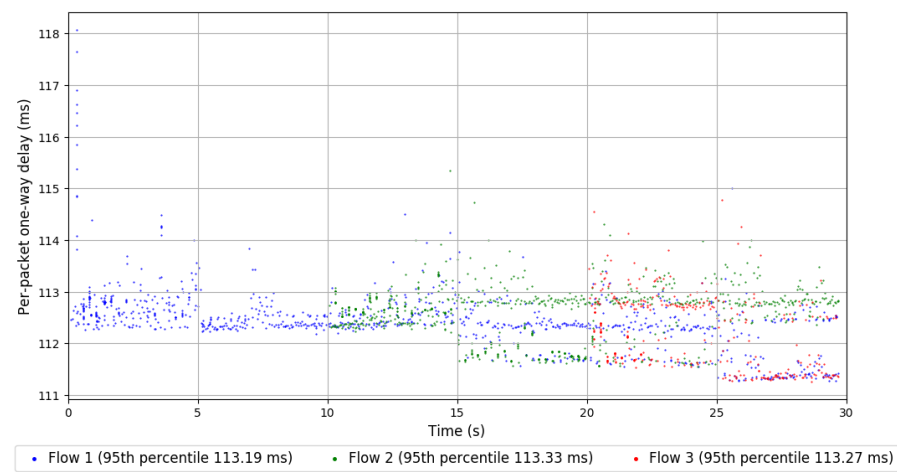
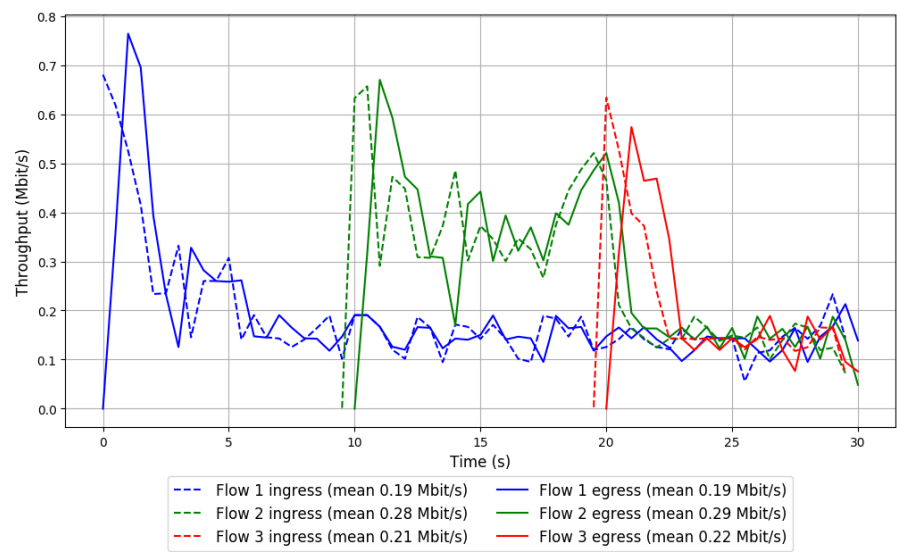
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.272 ms

Loss rate: 1.64%

Run 1: Report of Sprout — Data Link

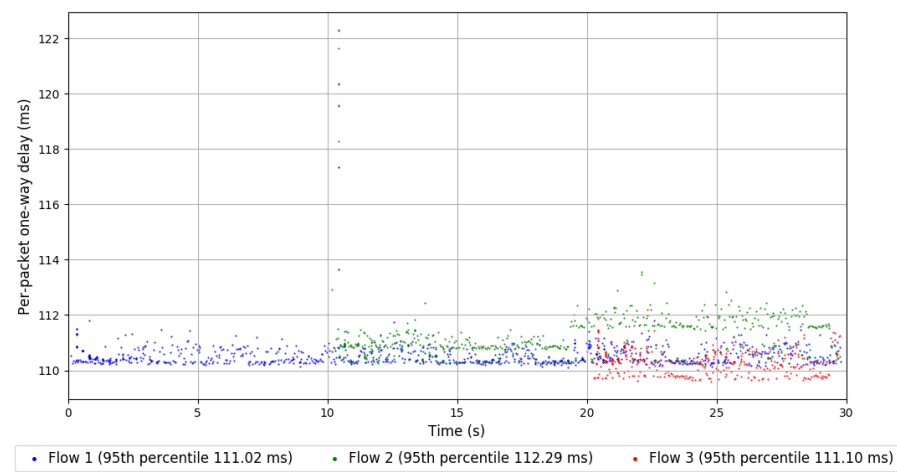
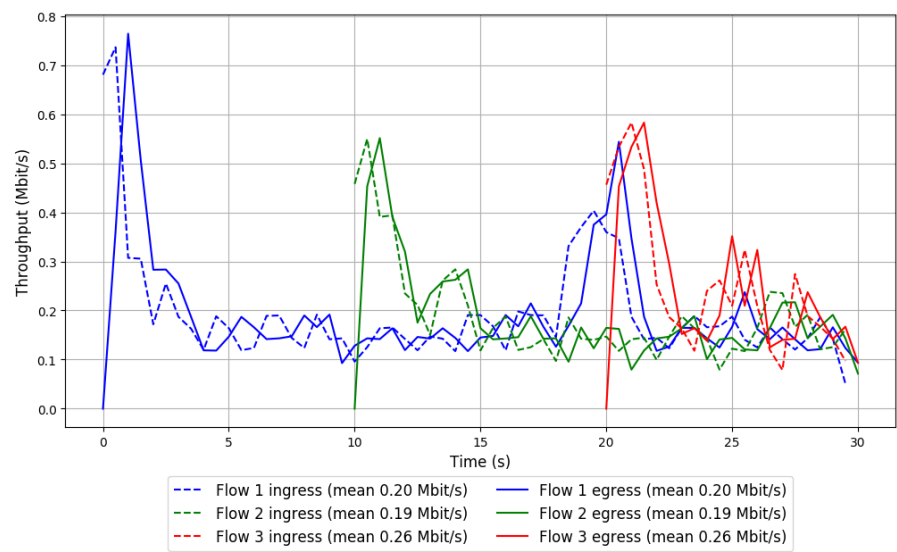


Run 2: Statistics of Sprout

Start at: 2018-08-10 17:16:23
End at: 2018-08-10 17:16:53
Local clock offset: -0.05 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.888 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.016 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.288 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.101 ms
Loss rate: 0.92%

Run 2: Report of Sprout — Data Link

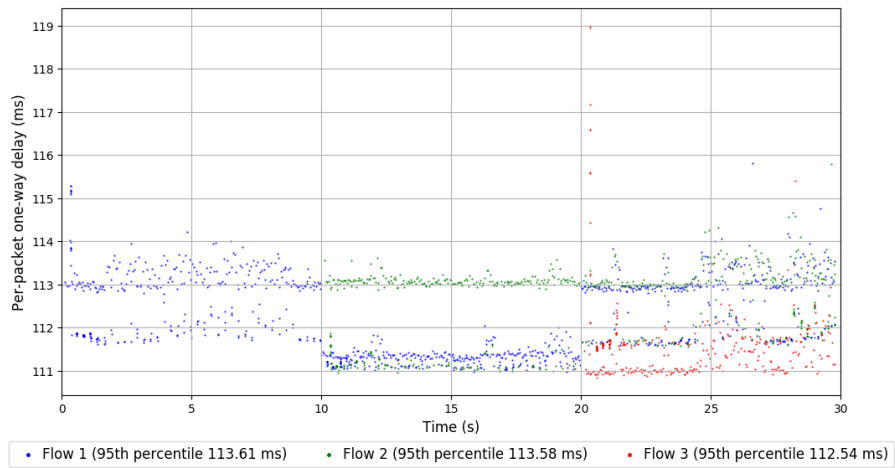
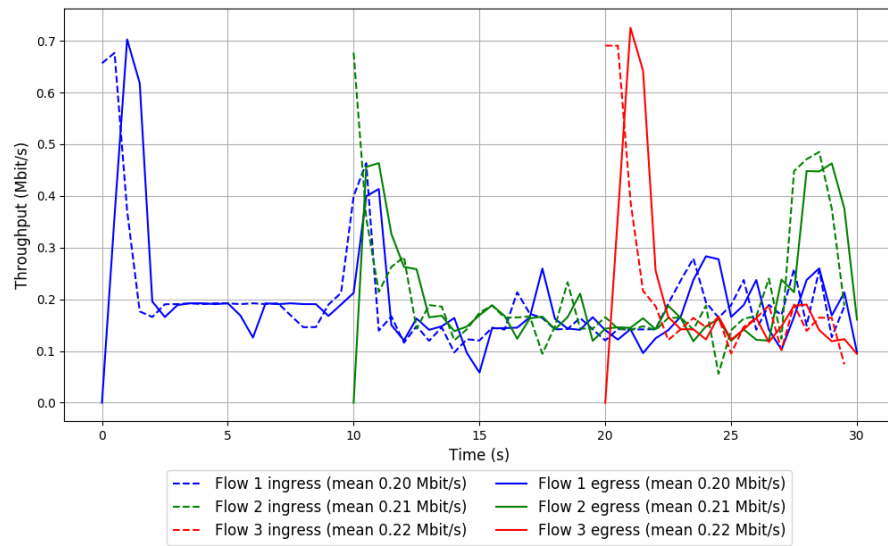


Run 3: Statistics of Sprout

Start at: 2018-08-10 17:42:43
End at: 2018-08-10 17:43:13
Local clock offset: 0.61 ms
Remote clock offset: -0.231 ms

```
# Below is generated by plot.py at 2018-08-10 23:24:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 113.572 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 113.606 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.584 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.536 ms
Loss rate: 1.60%
```


Run 3: Report of Sprout — Data Link

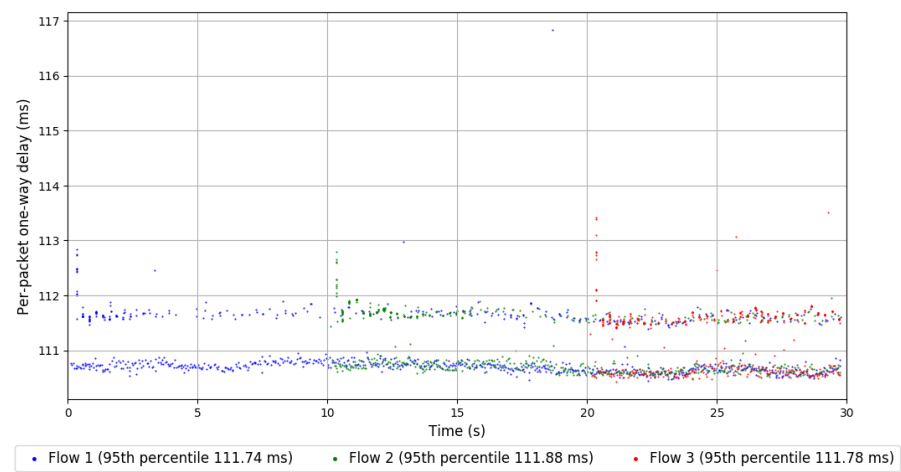
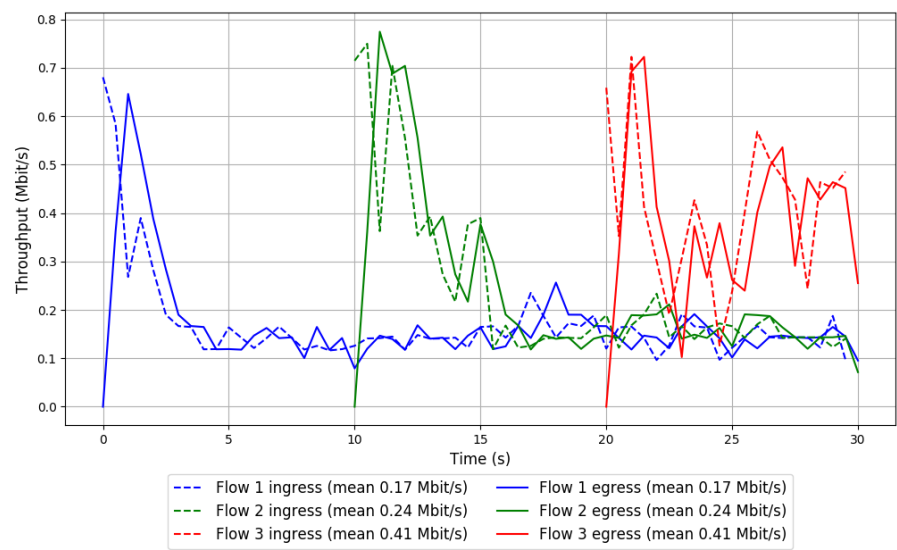


Run 4: Statistics of Sprout

Start at: 2018-08-10 18:08:39
End at: 2018-08-10 18:09:09
Local clock offset: -0.022 ms
Remote clock offset: -1.008 ms

```
# Below is generated by plot.py at 2018-08-10 23:24:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 111.781 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 111.741 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 111.882 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.779 ms
Loss rate: 2.88%
```

Run 4: Report of Sprout — Data Link

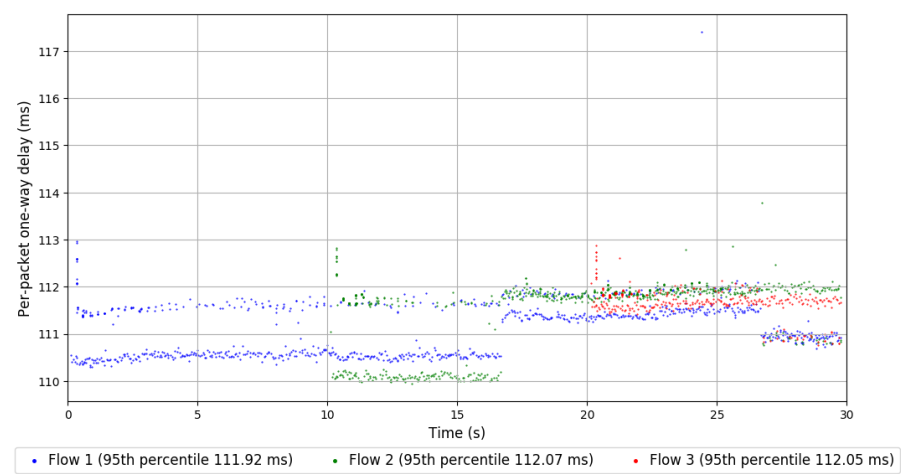
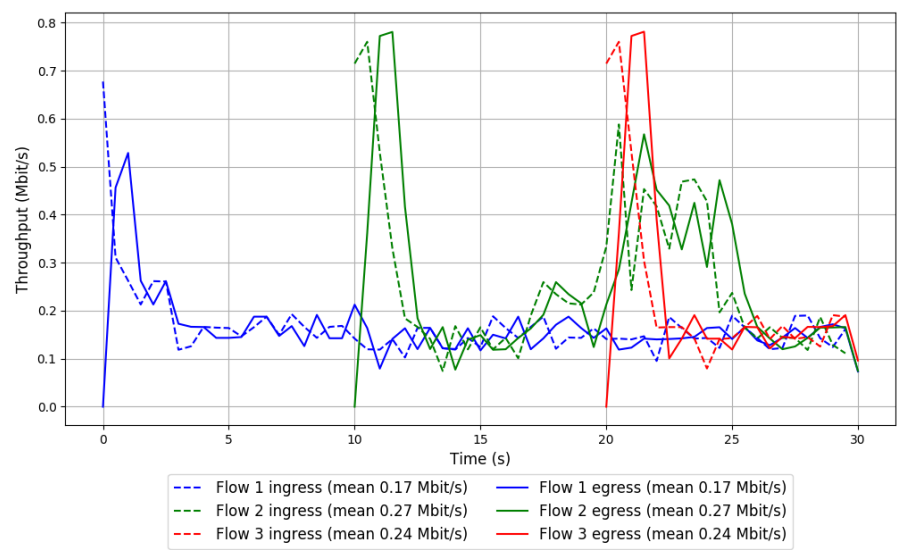


Run 5: Statistics of Sprout

Start at: 2018-08-10 18:35:36
End at: 2018-08-10 18:36:06
Local clock offset: 0.107 ms
Remote clock offset: -6.462 ms

```
# Below is generated by plot.py at 2018-08-10 23:24:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 112.028 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 111.918 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 112.068 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.049 ms
Loss rate: 1.99%
```

Run 5: Report of Sprout — Data Link

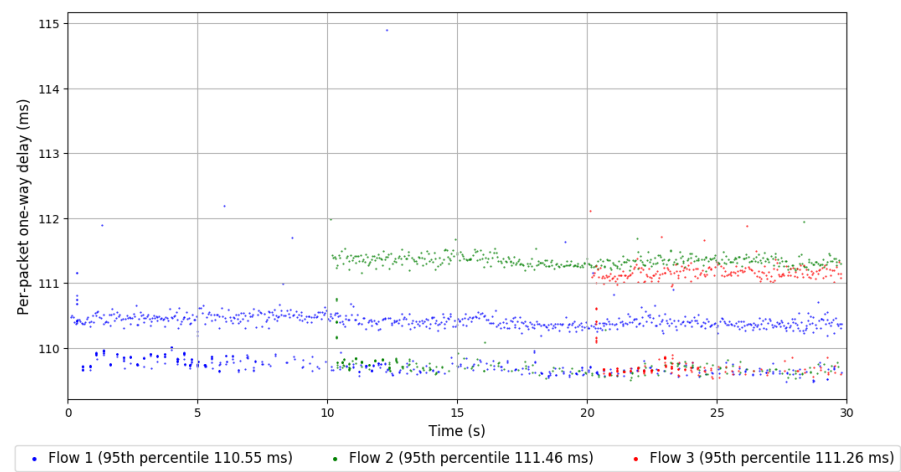
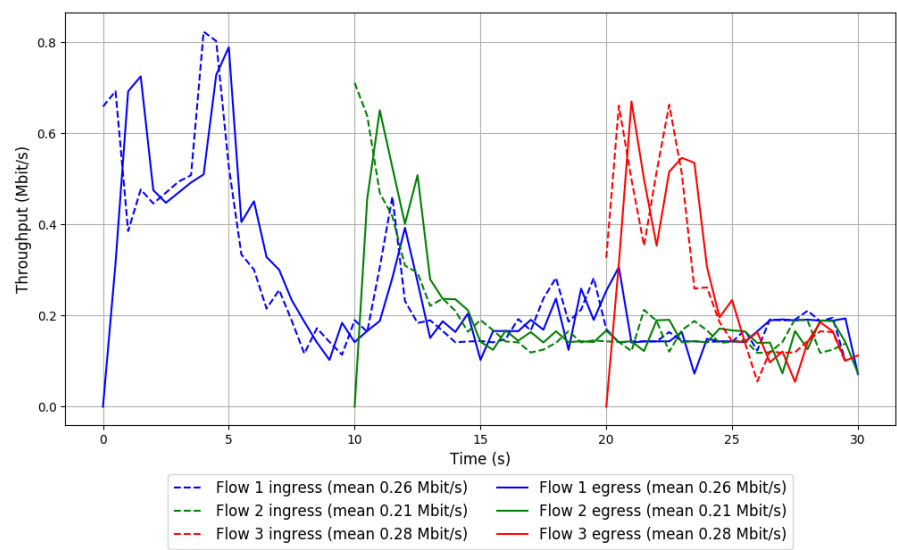


Run 6: Statistics of Sprout

Start at: 2018-08-10 19:02:54
End at: 2018-08-10 19:03:24
Local clock offset: -0.131 ms
Remote clock offset: -4.666 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 111.394 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 110.546 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.462 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 111.261 ms
Loss rate: 0.93%

Run 6: Report of Sprout — Data Link

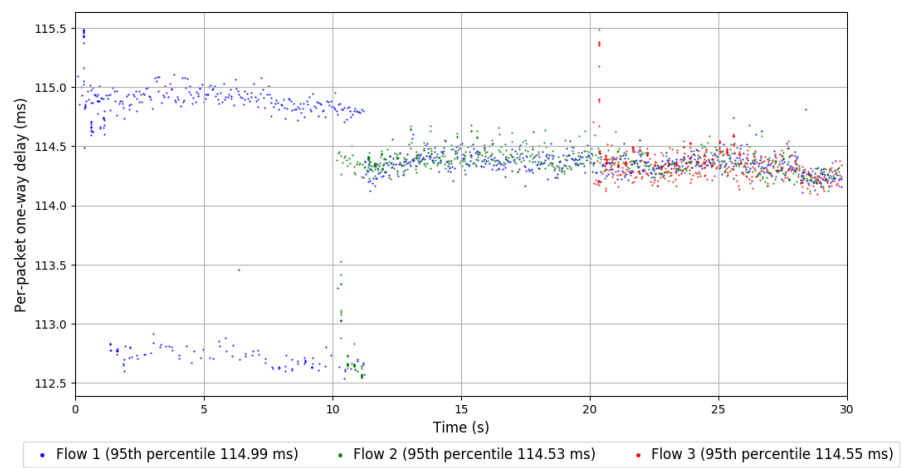
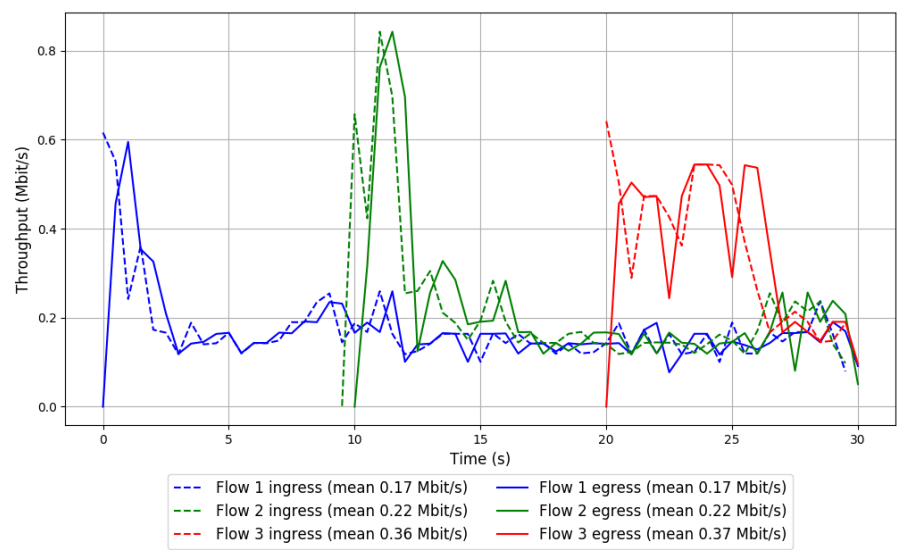


Run 7: Statistics of Sprout

Start at: 2018-08-10 19:31:01
End at: 2018-08-10 19:31:31
Local clock offset: 2.824 ms
Remote clock offset: -2.371 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 114.925 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 114.989 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 114.535 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 114.545 ms
Loss rate: 1.32%

Run 7: Report of Sprout — Data Link

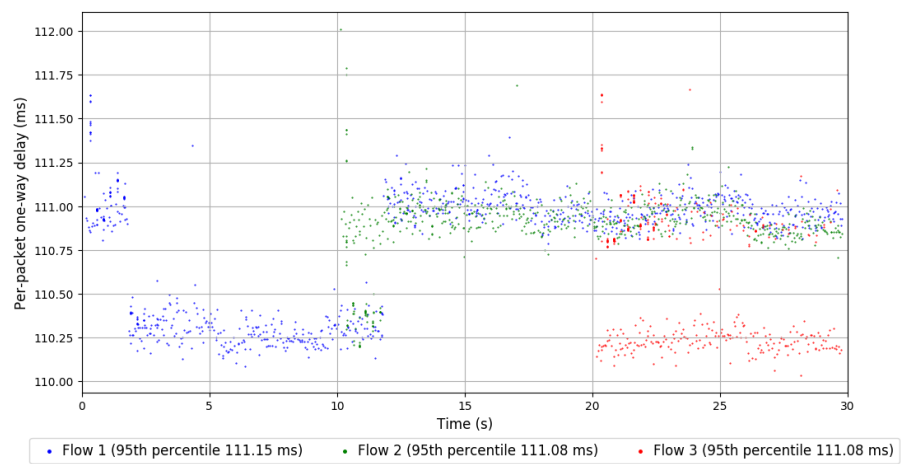
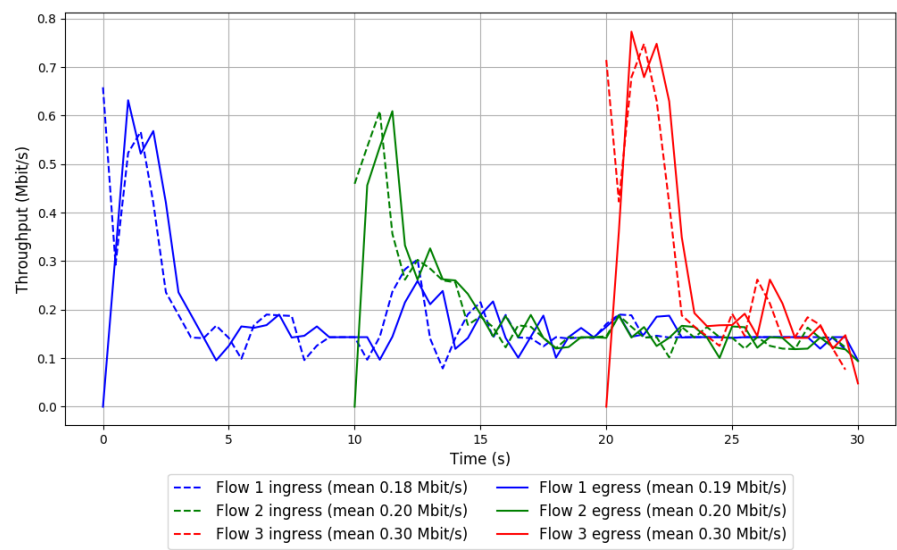


Run 8: Statistics of Sprout

Start at: 2018-08-10 19:58:41
End at: 2018-08-10 19:59:11
Local clock offset: -0.198 ms
Remote clock offset: -0.895 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.117 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.147 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.081 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 111.085 ms
Loss rate: 1.22%

Run 8: Report of Sprout — Data Link

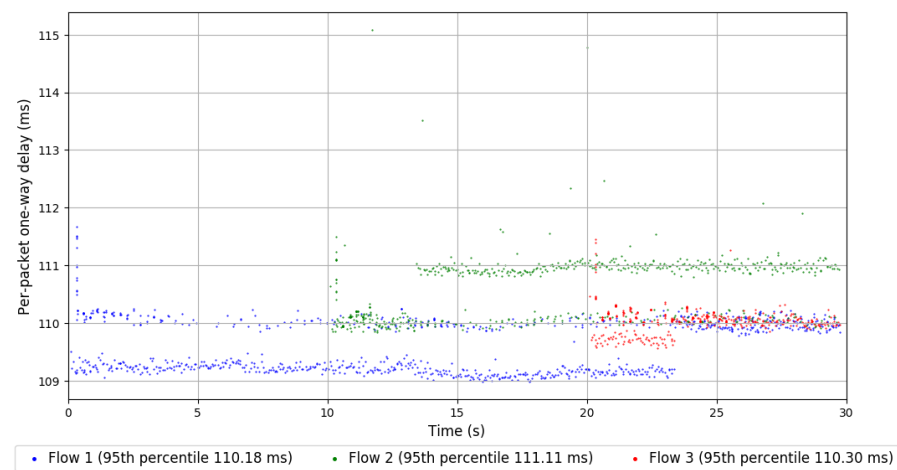
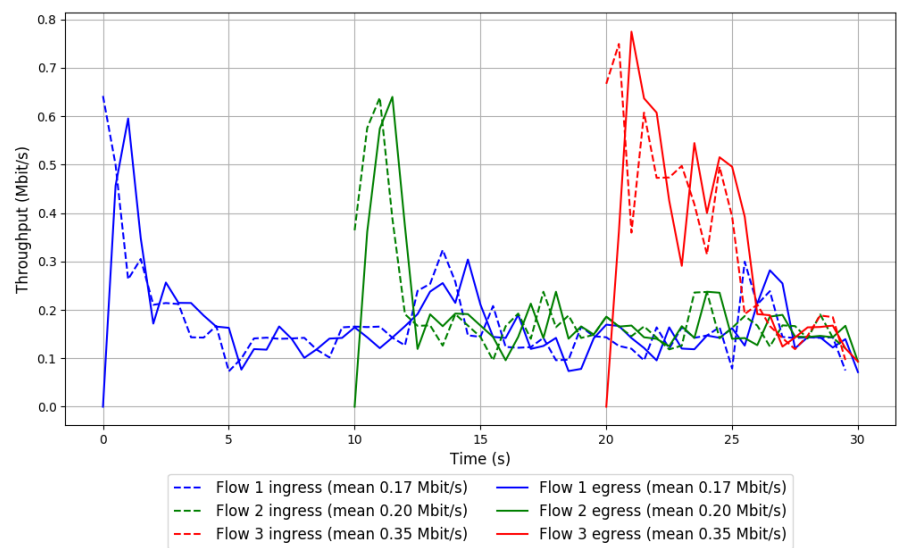


Run 9: Statistics of Sprout

Start at: 2018-08-10 20:25:49
End at: 2018-08-10 20:26:19
Local clock offset: -0.141 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.031 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 110.181 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.114 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 110.302 ms
Loss rate: 1.33%

Run 9: Report of Sprout — Data Link

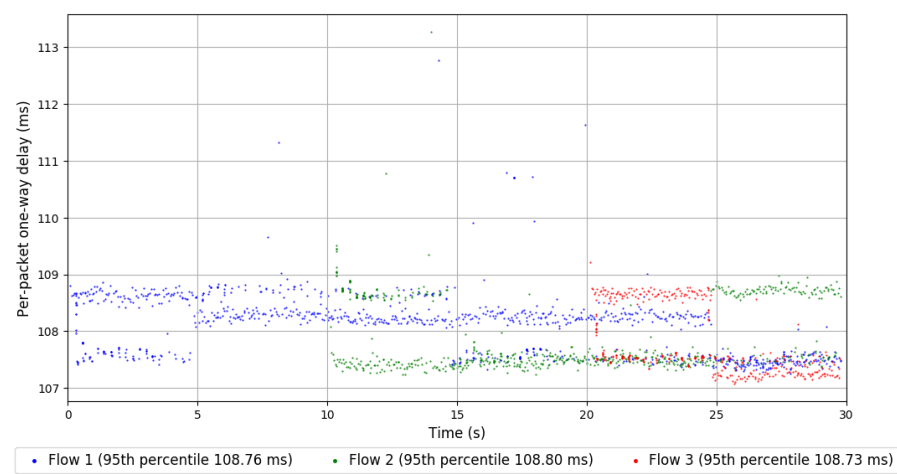
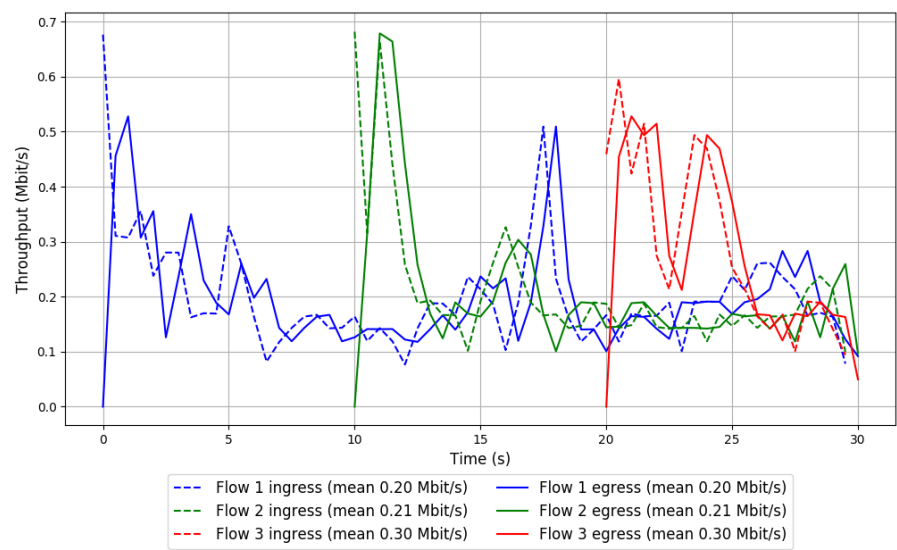


Run 10: Statistics of Sprout

Start at: 2018-08-10 20:52:48
End at: 2018-08-10 20:53:18
Local clock offset: -2.981 ms
Remote clock offset: -0.337 ms

Below is generated by plot.py at 2018-08-10 23:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 108.766 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 108.757 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 108.801 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 108.731 ms
Loss rate: 0.82%

Run 10: Report of Sprout — Data Link

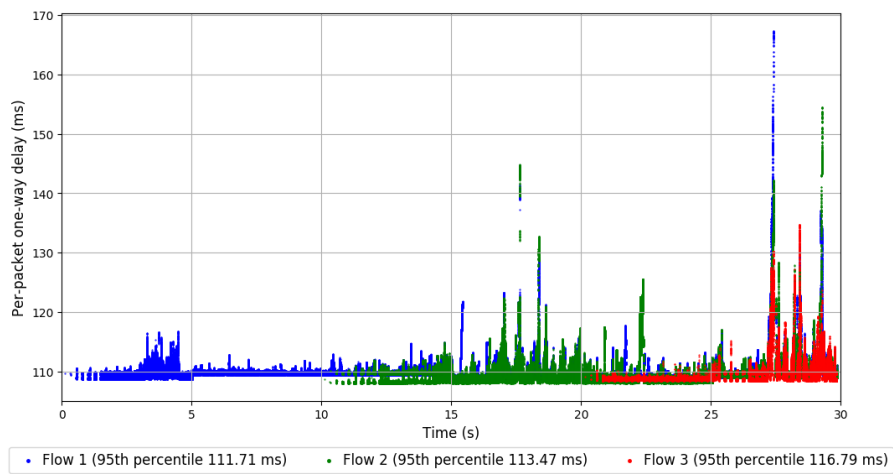
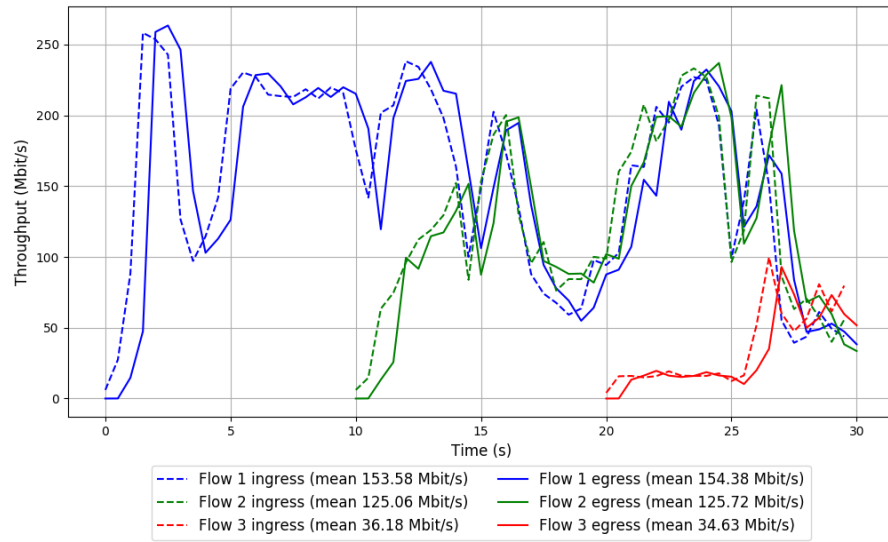


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-10 16:34:18
End at: 2018-08-10 16:34:48
Local clock offset: -1.407 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2018-08-10 23:28:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.06 Mbit/s
95th percentile per-packet one-way delay: 112.407 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 154.38 Mbit/s
95th percentile per-packet one-way delay: 111.706 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 125.72 Mbit/s
95th percentile per-packet one-way delay: 113.468 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 116.787 ms
Loss rate: 6.70%

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

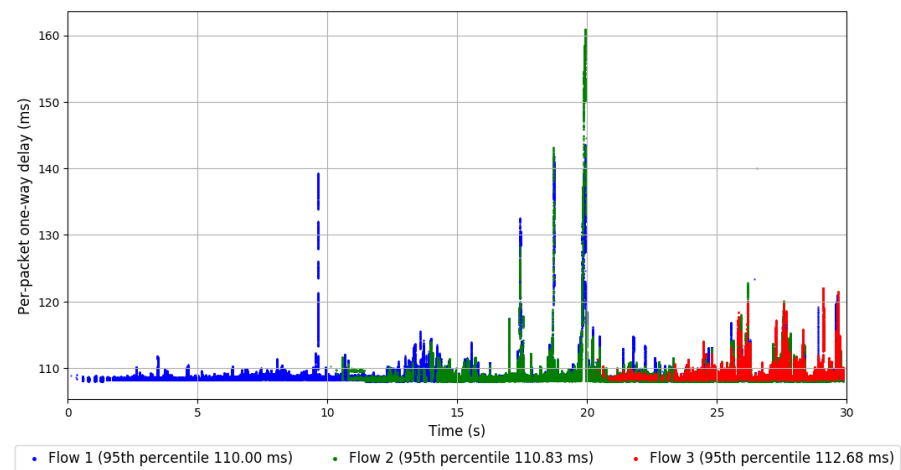
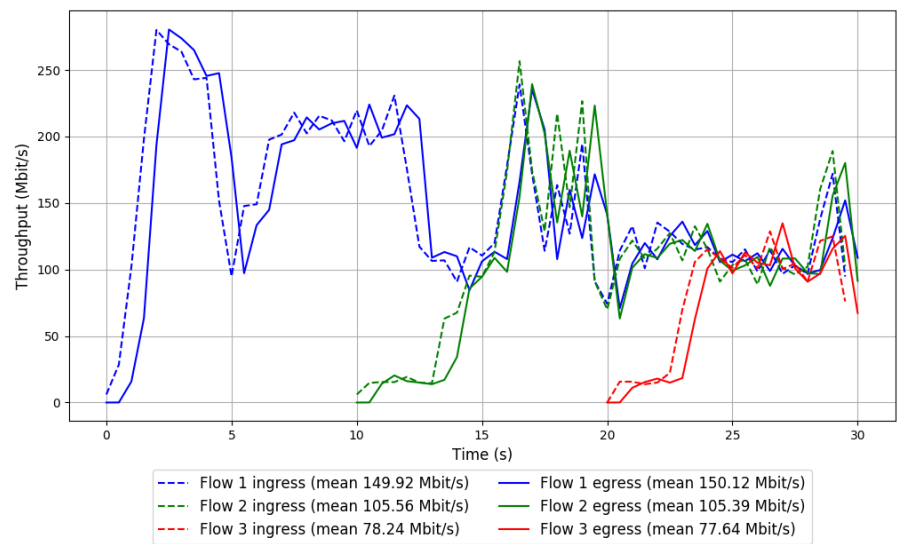


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-08-10 17:00:31
End at: 2018-08-10 17:01:01
Local clock offset: -1.468 ms
Remote clock offset: 0.105 ms

# Below is generated by plot.py at 2018-08-10 23:28:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 245.37 Mbit/s
95th percentile per-packet one-way delay: 110.555 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 150.12 Mbit/s
95th percentile per-packet one-way delay: 110.005 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 105.39 Mbit/s
95th percentile per-packet one-way delay: 110.826 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 77.64 Mbit/s
95th percentile per-packet one-way delay: 112.678 ms
Loss rate: 2.36%
```

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

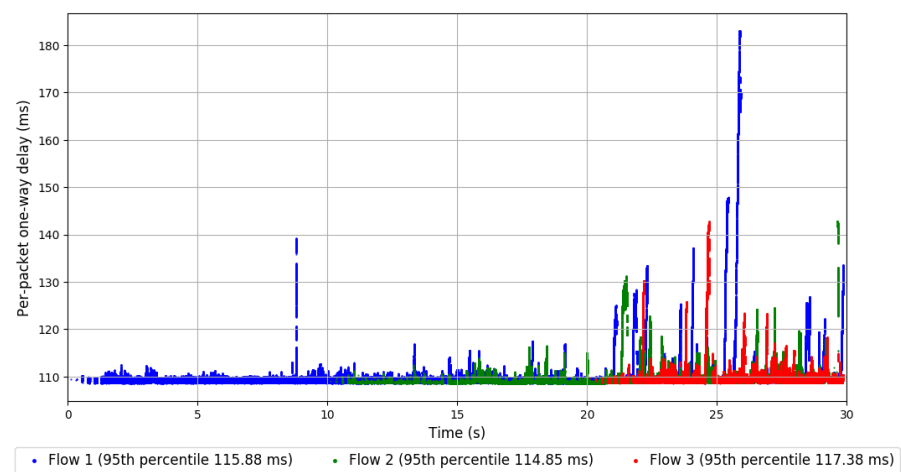
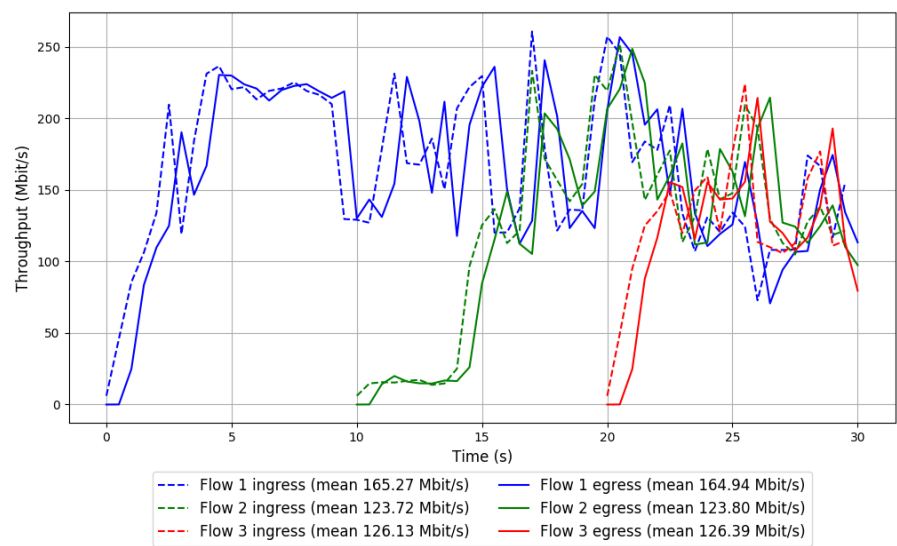


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-10 17:26:32
End at: 2018-08-10 17:27:02
Local clock offset: -1.451 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-08-10 23:30:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.46 Mbit/s
95th percentile per-packet one-way delay: 115.602 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 164.94 Mbit/s
95th percentile per-packet one-way delay: 115.878 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 123.80 Mbit/s
95th percentile per-packet one-way delay: 114.852 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 126.39 Mbit/s
95th percentile per-packet one-way delay: 117.377 ms
Loss rate: 2.03%

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

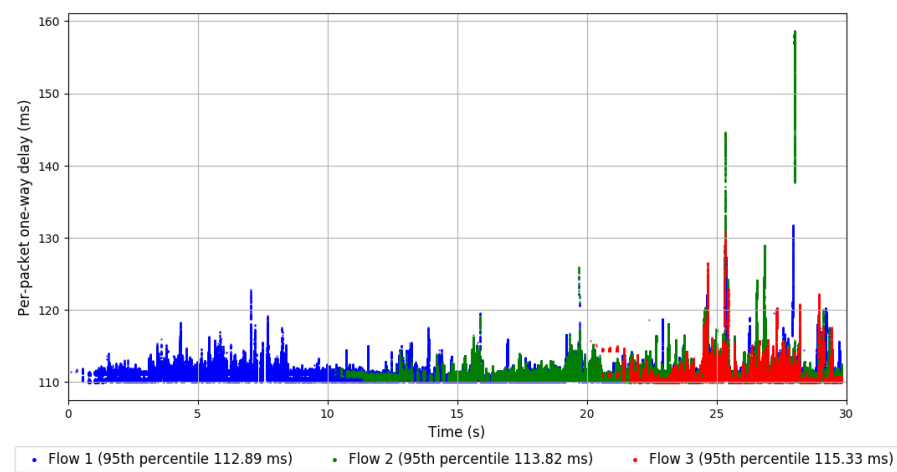
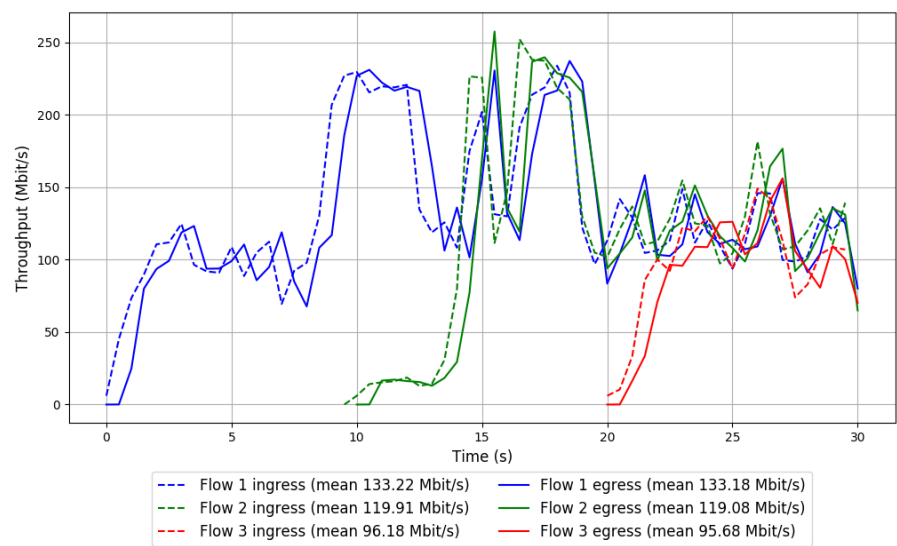


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-10 17:52:51
End at: 2018-08-10 17:53:21
Local clock offset: -0.042 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-08-10 23:30:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.47 Mbit/s
95th percentile per-packet one-way delay: 113.558 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 133.18 Mbit/s
95th percentile per-packet one-way delay: 112.895 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 119.08 Mbit/s
95th percentile per-packet one-way delay: 113.817 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 115.332 ms
Loss rate: 2.78%

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

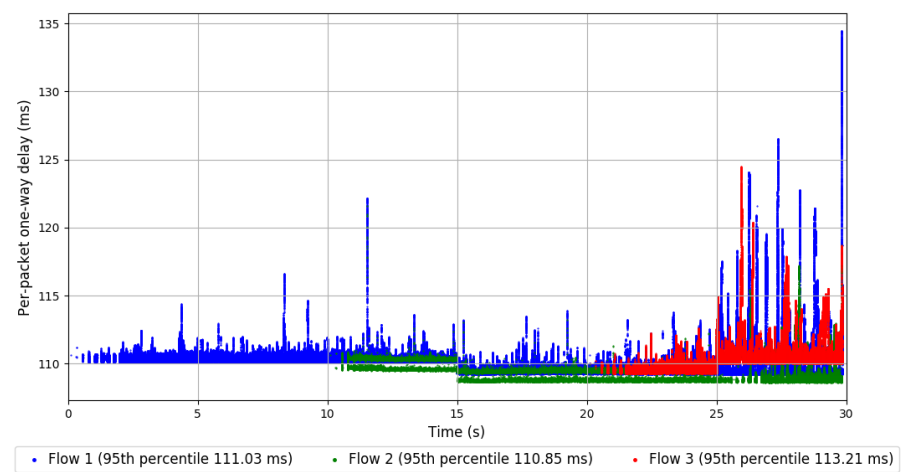
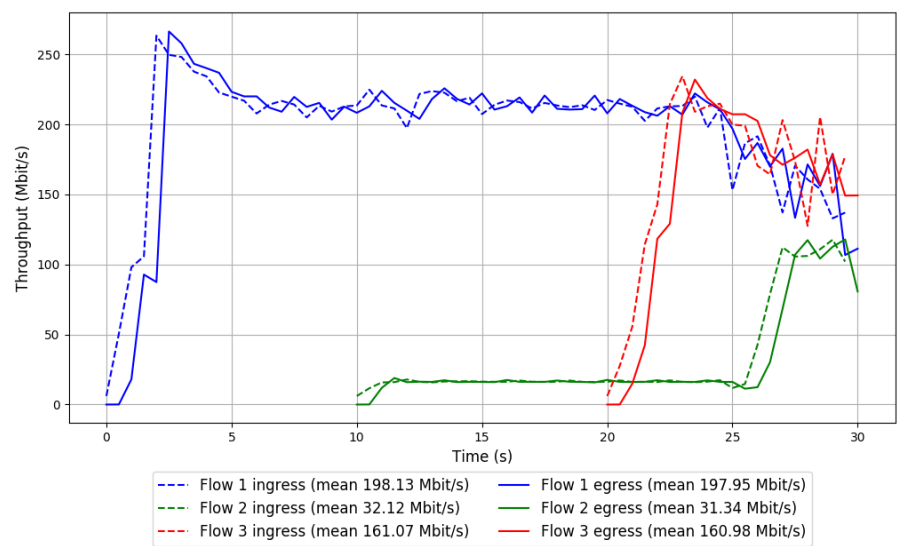


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-10 18:19:08
End at: 2018-08-10 18:19:38
Local clock offset: -0.704 ms
Remote clock offset: -3.192 ms

Below is generated by plot.py at 2018-08-10 23:32:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.37 Mbit/s
95th percentile per-packet one-way delay: 111.522 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 197.95 Mbit/s
95th percentile per-packet one-way delay: 111.029 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 110.848 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 160.98 Mbit/s
95th percentile per-packet one-way delay: 113.212 ms
Loss rate: 2.18%

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

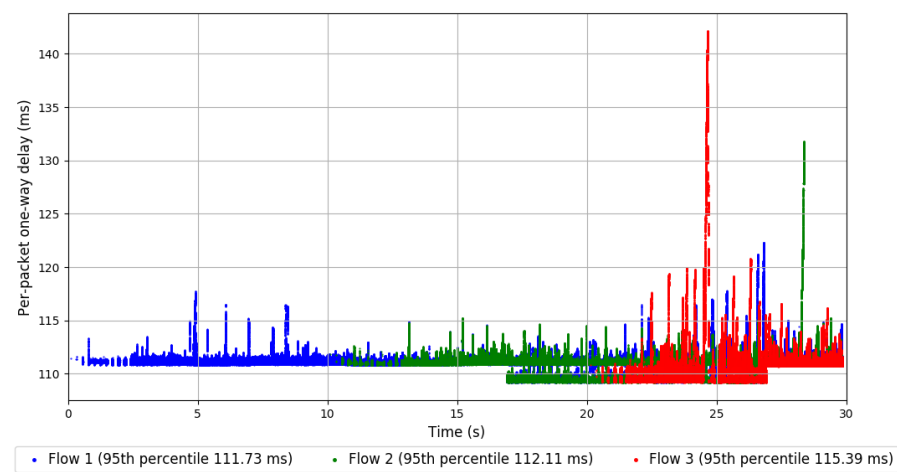
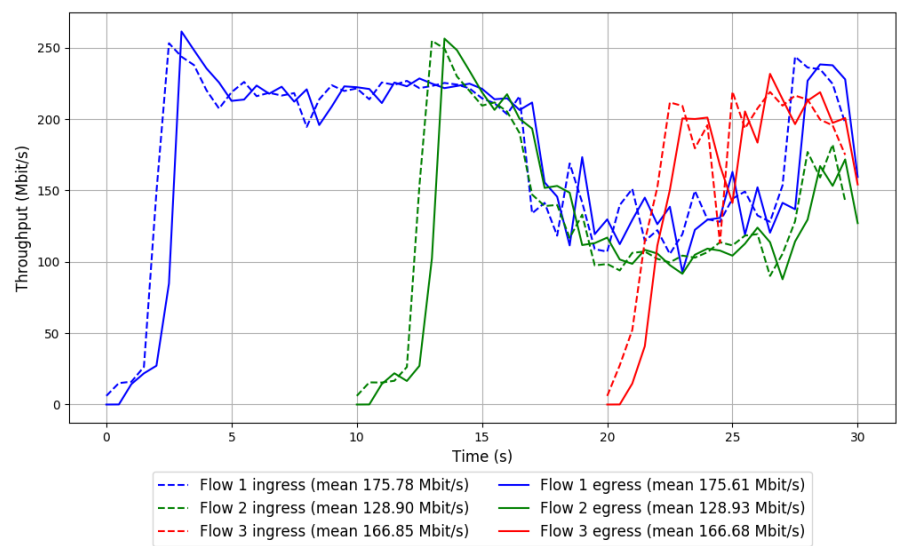


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-10 18:46:26
End at: 2018-08-10 18:46:56
Local clock offset: -0.069 ms
Remote clock offset: -3.519 ms

Below is generated by plot.py at 2018-08-10 23:34:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.53 Mbit/s
95th percentile per-packet one-way delay: 112.280 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 175.61 Mbit/s
95th percentile per-packet one-way delay: 111.731 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 128.93 Mbit/s
95th percentile per-packet one-way delay: 112.114 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 166.68 Mbit/s
95th percentile per-packet one-way delay: 115.393 ms
Loss rate: 2.06%

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

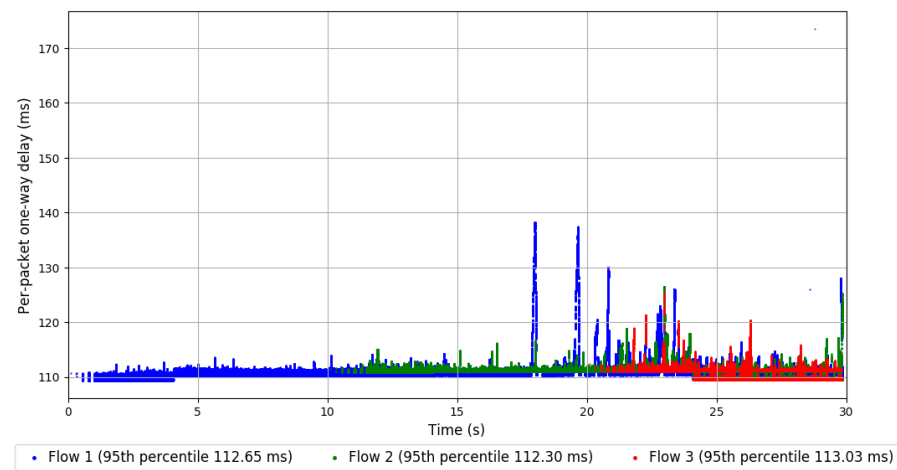
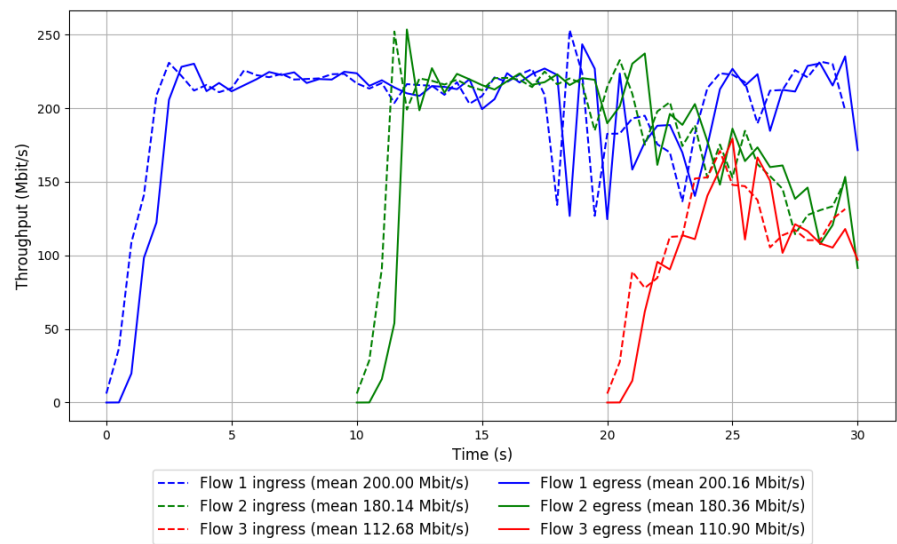


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-10 19:13:39
End at: 2018-08-10 19:14:09
Local clock offset: 0.018 ms
Remote clock offset: -3.348 ms

Below is generated by plot.py at 2018-08-10 23:36:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.09 Mbit/s
95th percentile per-packet one-way delay: 112.575 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 200.16 Mbit/s
95th percentile per-packet one-way delay: 112.647 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 180.36 Mbit/s
95th percentile per-packet one-way delay: 112.295 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 110.90 Mbit/s
95th percentile per-packet one-way delay: 113.035 ms
Loss rate: 3.18%

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

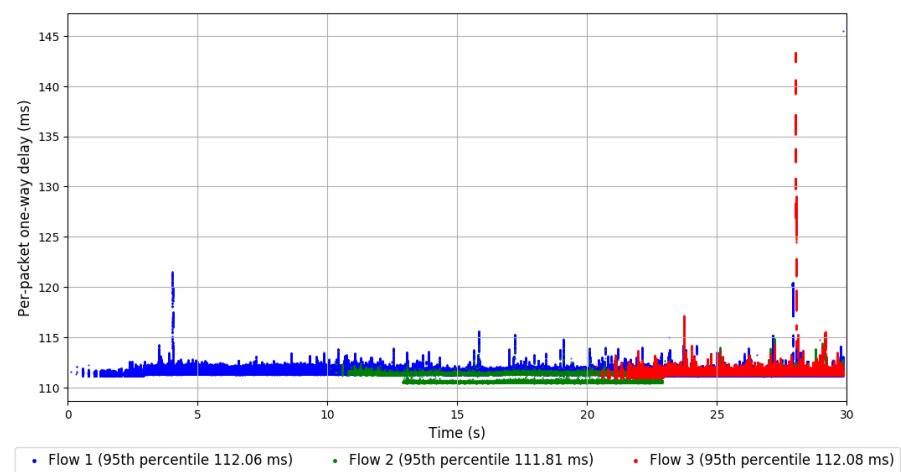
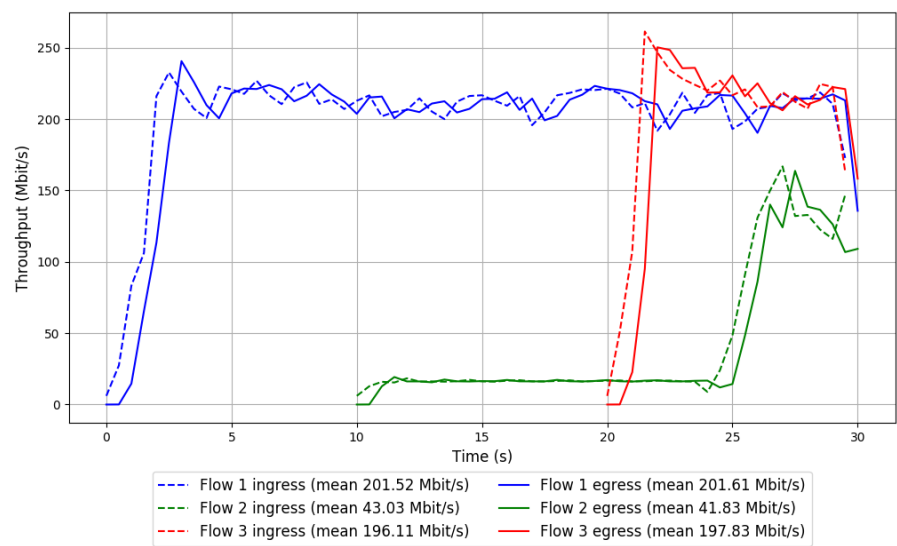


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-10 19:42:00
End at: 2018-08-10 19:42:30
Local clock offset: 0.028 ms
Remote clock offset: -2.864 ms

Below is generated by plot.py at 2018-08-10 23:36:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.11 Mbit/s
95th percentile per-packet one-way delay: 112.049 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 201.61 Mbit/s
95th percentile per-packet one-way delay: 112.056 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 111.812 ms
Loss rate: 3.93%
-- Flow 3:
Average throughput: 197.83 Mbit/s
95th percentile per-packet one-way delay: 112.085 ms
Loss rate: 1.38%

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

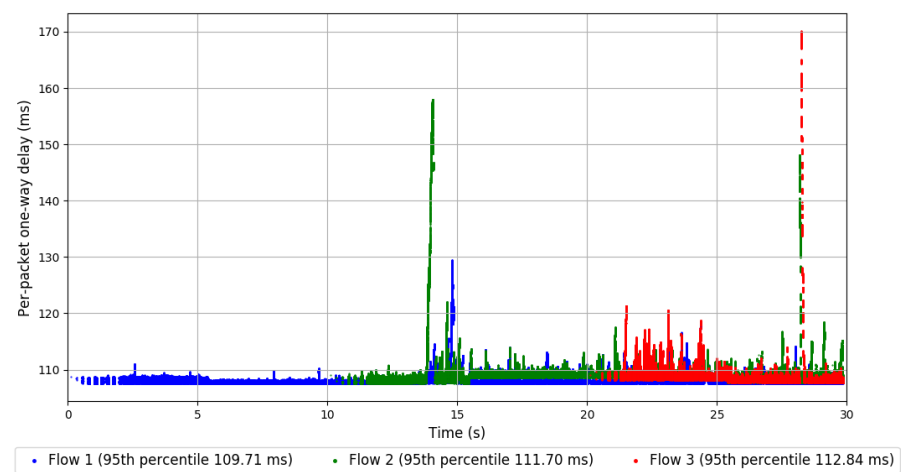
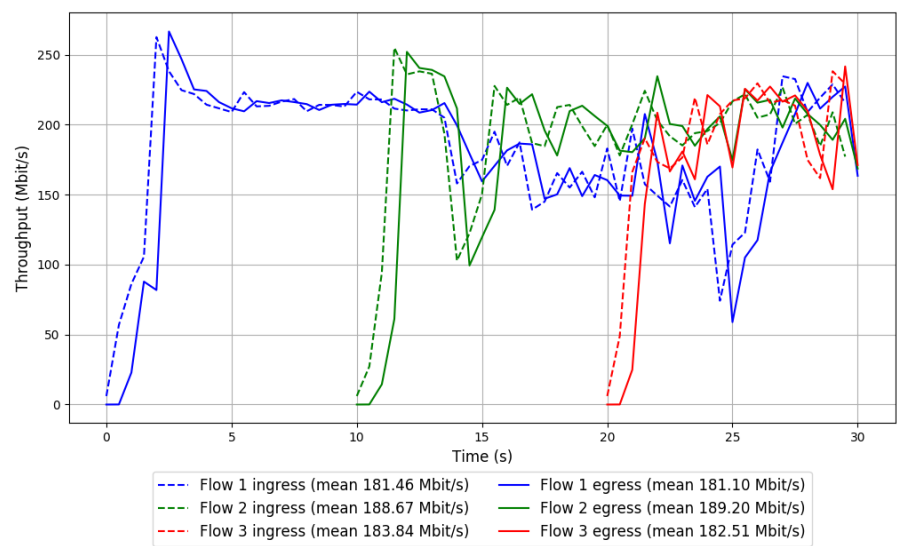


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-10 20:09:17
End at: 2018-08-10 20:09:47
Local clock offset: -2.895 ms
Remote clock offset: -1.117 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.33 Mbit/s
95th percentile per-packet one-way delay: 110.787 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 181.10 Mbit/s
95th percentile per-packet one-way delay: 109.713 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 189.20 Mbit/s
95th percentile per-packet one-way delay: 111.698 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 182.51 Mbit/s
95th percentile per-packet one-way delay: 112.841 ms
Loss rate: 2.95%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-10 20:36:27

End at: 2018-08-10 20:36:57

Local clock offset: -0.2 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-10 23:42:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 362.70 Mbit/s

95th percentile per-packet one-way delay: 113.369 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 192.25 Mbit/s

95th percentile per-packet one-way delay: 111.895 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 188.31 Mbit/s

95th percentile per-packet one-way delay: 113.120 ms

Loss rate: 1.06%

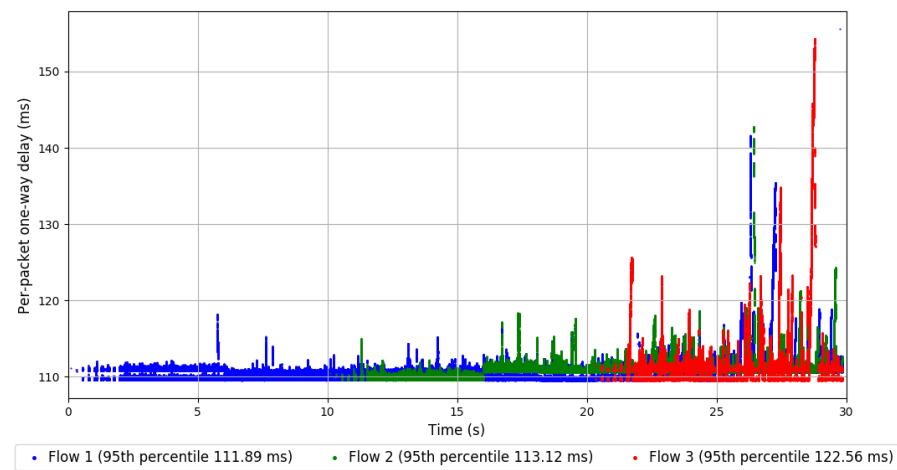
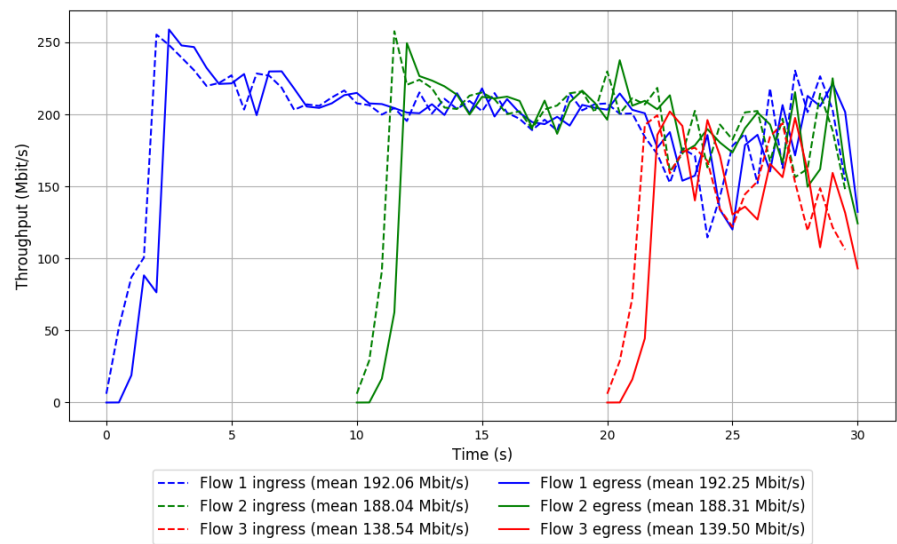
-- Flow 3:

Average throughput: 139.50 Mbit/s

95th percentile per-packet one-way delay: 122.559 ms

Loss rate: 1.61%

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

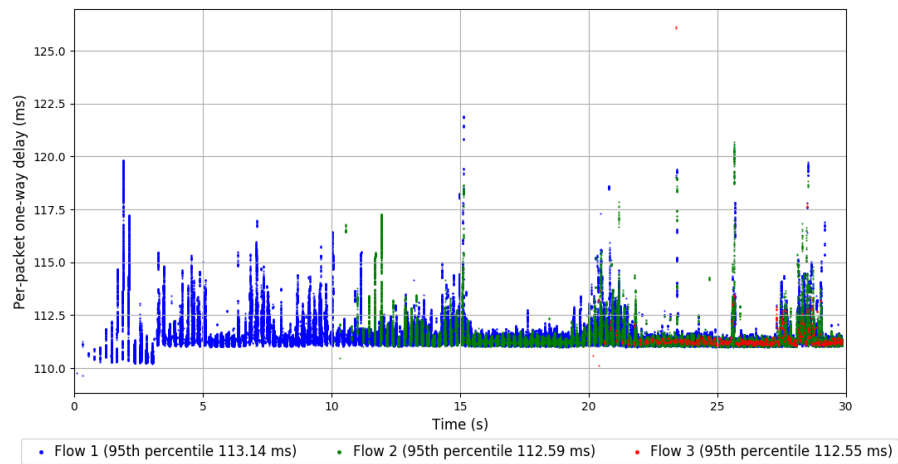
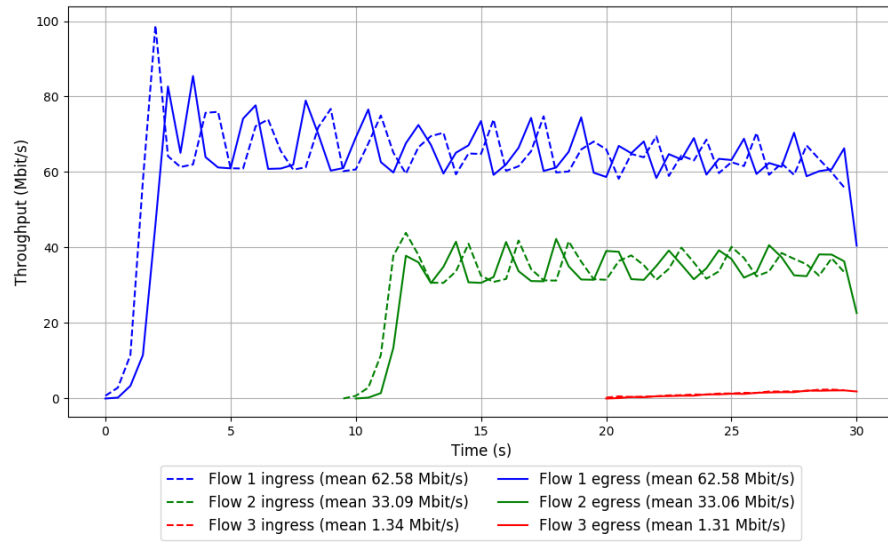


Run 1: Statistics of TCP Vegas

Start at: 2018-08-10 16:37:50
End at: 2018-08-10 16:38:20
Local clock offset: -0.031 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 112.986 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 113.138 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 112.587 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 112.548 ms
Loss rate: 4.64%

Run 1: Report of TCP Vegas — Data Link

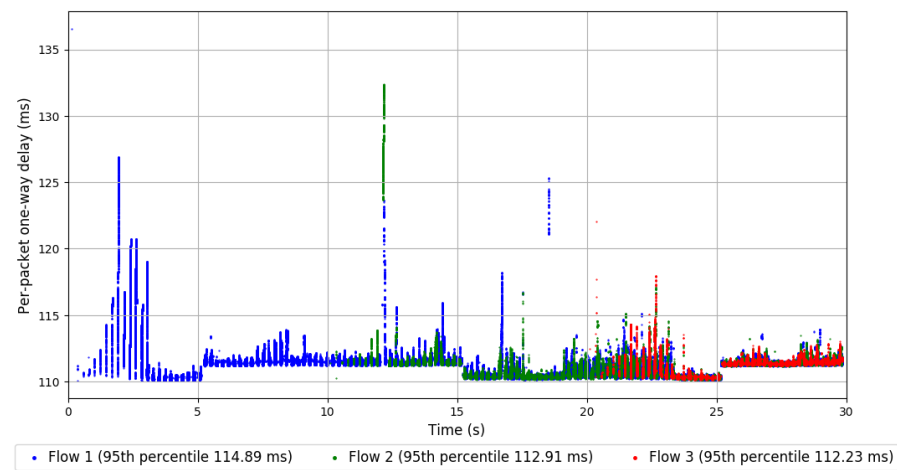
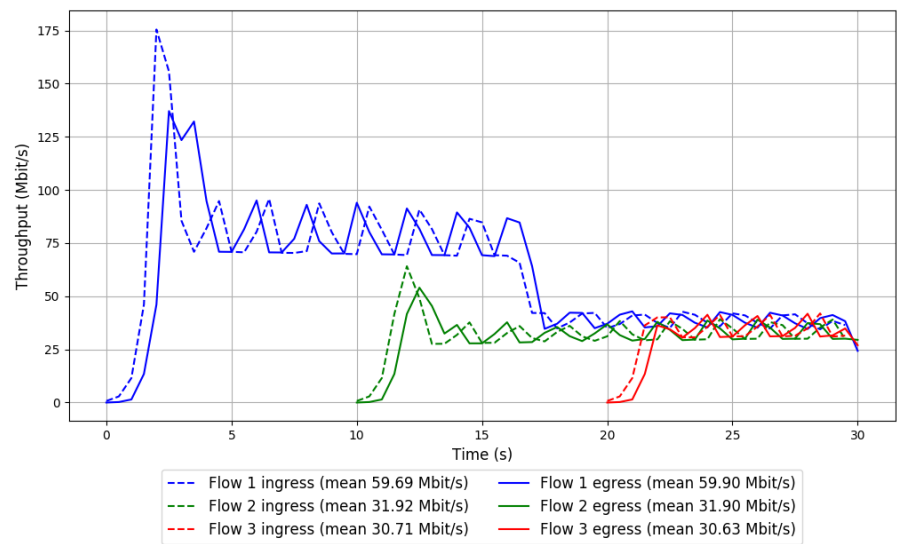


Run 2: Statistics of TCP Vegas

Start at: 2018-08-10 17:03:58
End at: 2018-08-10 17:04:28
Local clock offset: -0.042 ms
Remote clock offset: -0.334 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.09 Mbit/s
95th percentile per-packet one-way delay: 113.899 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 114.890 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 112.913 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 112.231 ms
Loss rate: 2.53%

Run 2: Report of TCP Vegas — Data Link

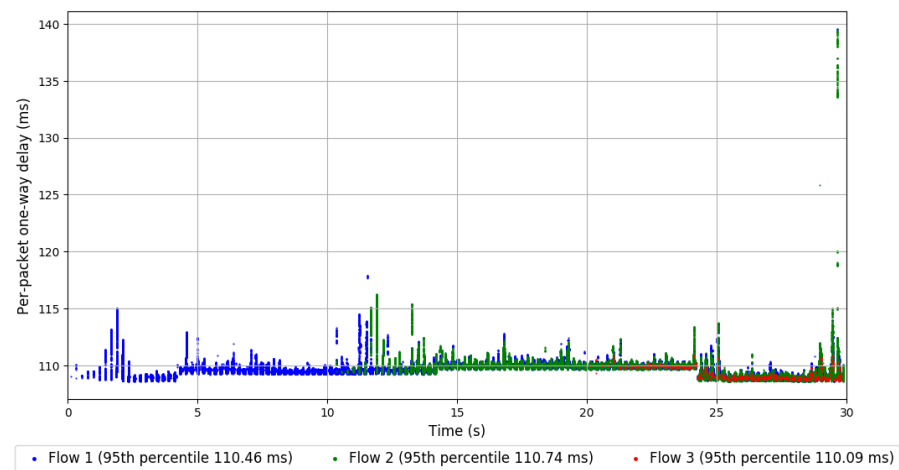
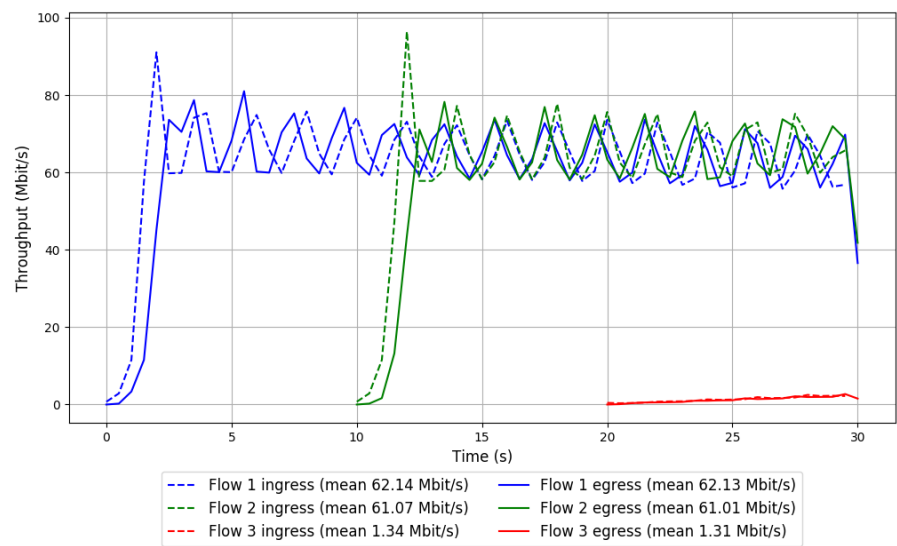


Run 3: Statistics of TCP Vegas

Start at: 2018-08-10 17:30:08
End at: 2018-08-10 17:30:39
Local clock offset: -1.452 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.06 Mbit/s
95th percentile per-packet one-way delay: 110.552 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 110.460 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 61.01 Mbit/s
95th percentile per-packet one-way delay: 110.739 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 110.093 ms
Loss rate: 4.69%

Run 3: Report of TCP Vegas — Data Link

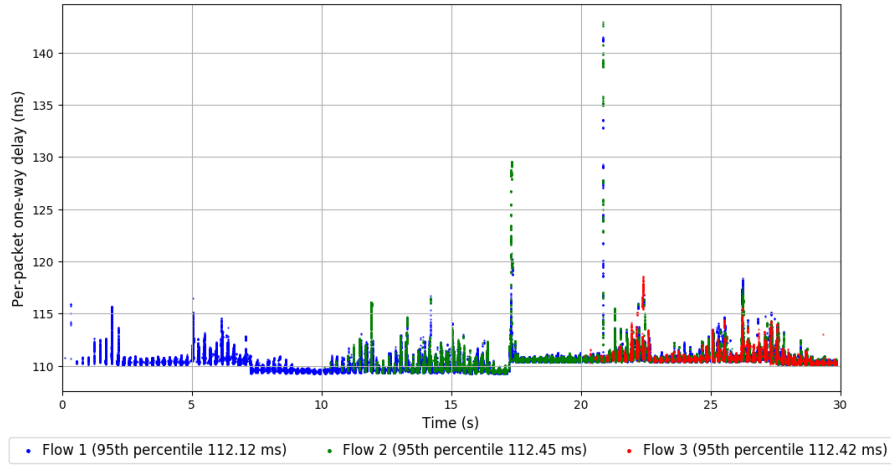
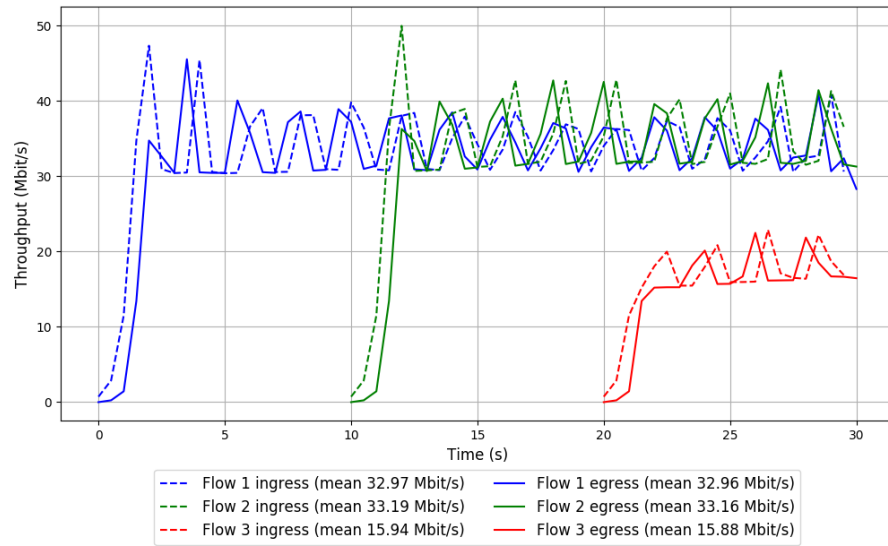


Run 4: Statistics of TCP Vegas

Start at: 2018-08-10 17:56:15
End at: 2018-08-10 17:56:45
Local clock offset: -0.788 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 112.276 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 112.117 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 112.454 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 112.417 ms
Loss rate: 2.64%

Run 4: Report of TCP Vegas — Data Link

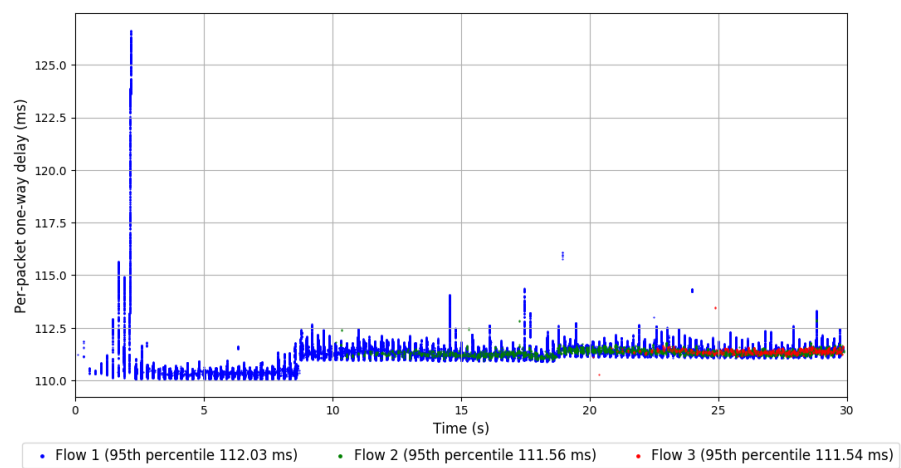
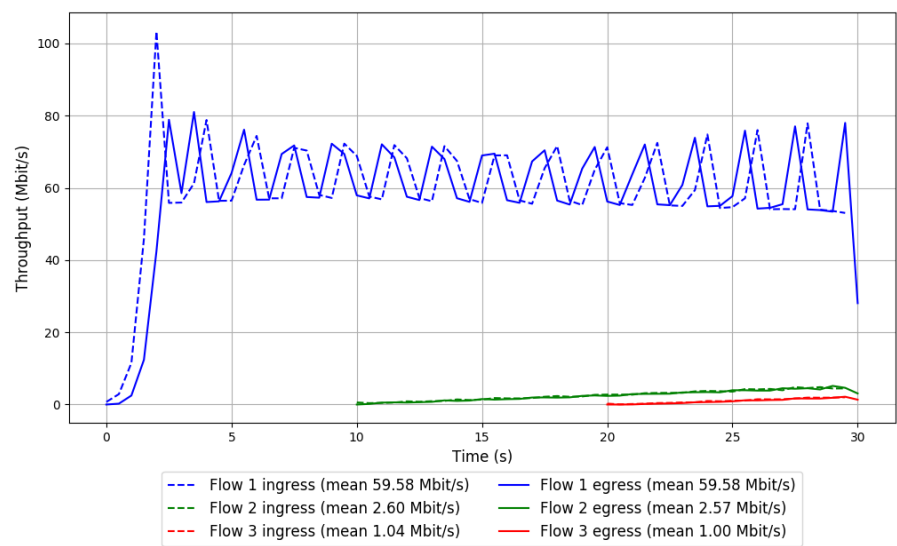


Run 5: Statistics of TCP Vegas

Start at: 2018-08-10 18:22:44
End at: 2018-08-10 18:23:14
Local clock offset: 0.074 ms
Remote clock offset: -4.002 ms

```
# Below is generated by plot.py at 2018-08-10 23:42:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.60 Mbit/s
95th percentile per-packet one-way delay: 112.009 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 112.028 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 111.563 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 111.544 ms
Loss rate: 5.95%
```

Run 5: Report of TCP Vegas — Data Link

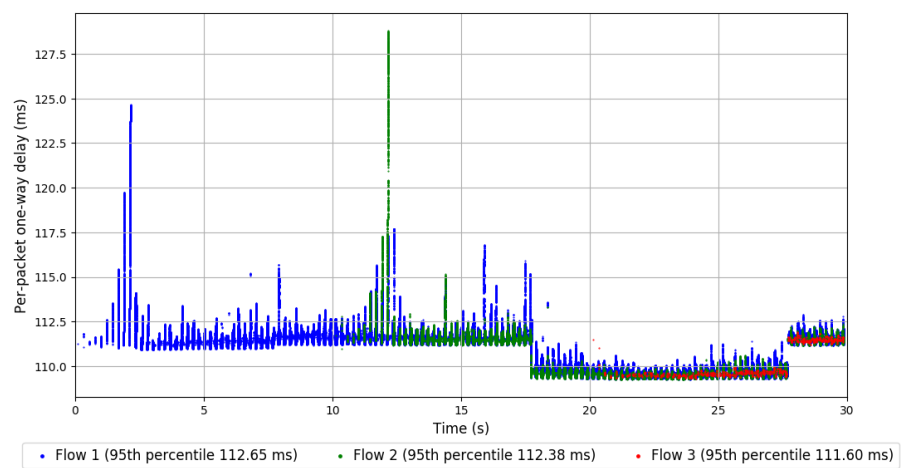
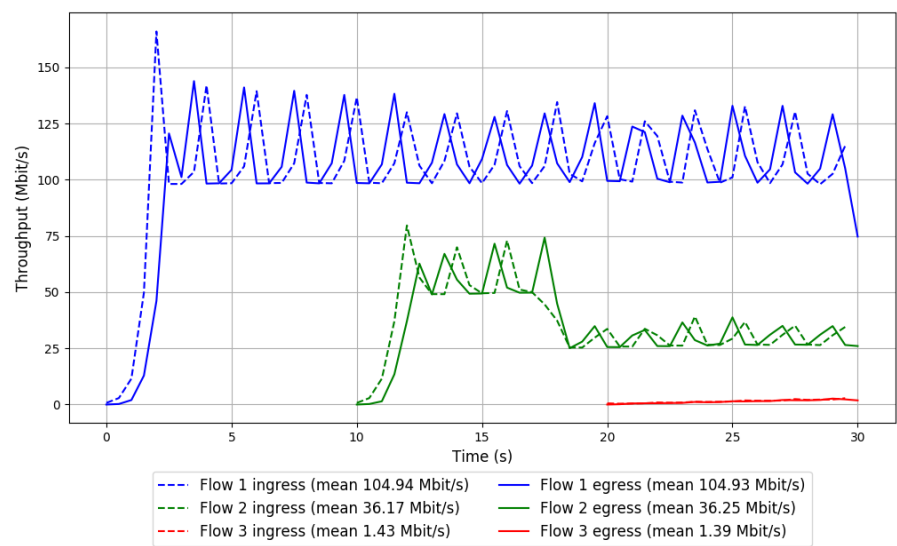


Run 6: Statistics of TCP Vegas

Start at: 2018-08-10 18:50:05
End at: 2018-08-10 18:50:35
Local clock offset: 0.095 ms
Remote clock offset: -3.406 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.43 Mbit/s
95th percentile per-packet one-way delay: 112.617 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 104.93 Mbit/s
95th percentile per-packet one-way delay: 112.653 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 112.382 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 111.603 ms
Loss rate: 4.41%

Run 6: Report of TCP Vegas — Data Link

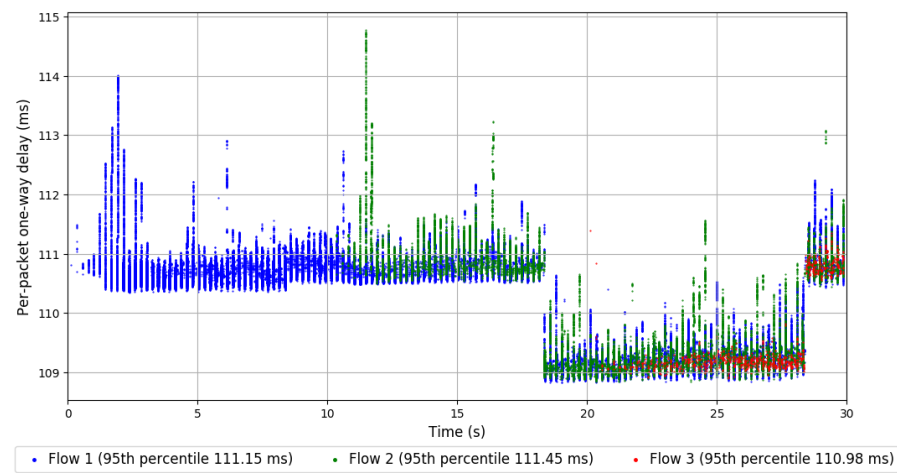
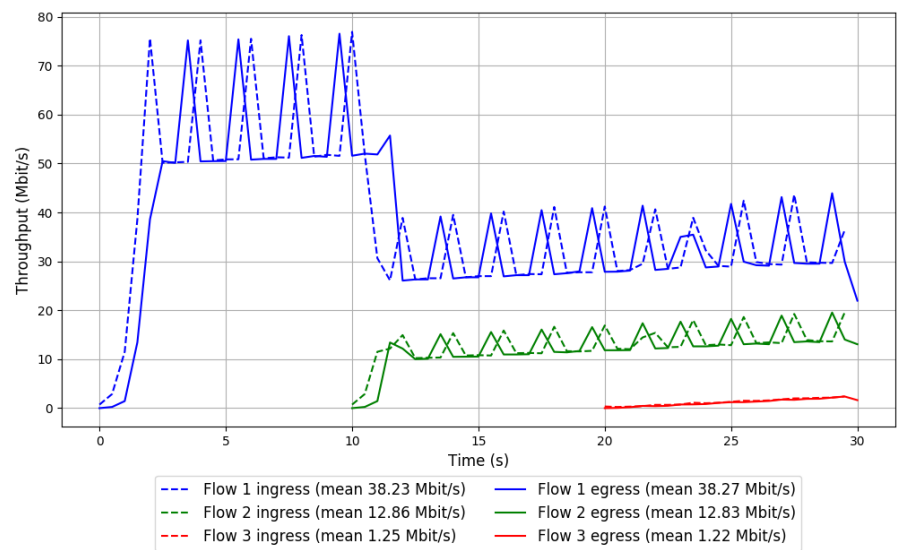


Run 7: Statistics of TCP Vegas

Start at: 2018-08-10 19:17:24
End at: 2018-08-10 19:17:54
Local clock offset: -0.138 ms
Remote clock offset: -2.247 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 111.213 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 111.146 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 111.455 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 110.977 ms
Loss rate: 5.00%

Run 7: Report of TCP Vegas — Data Link

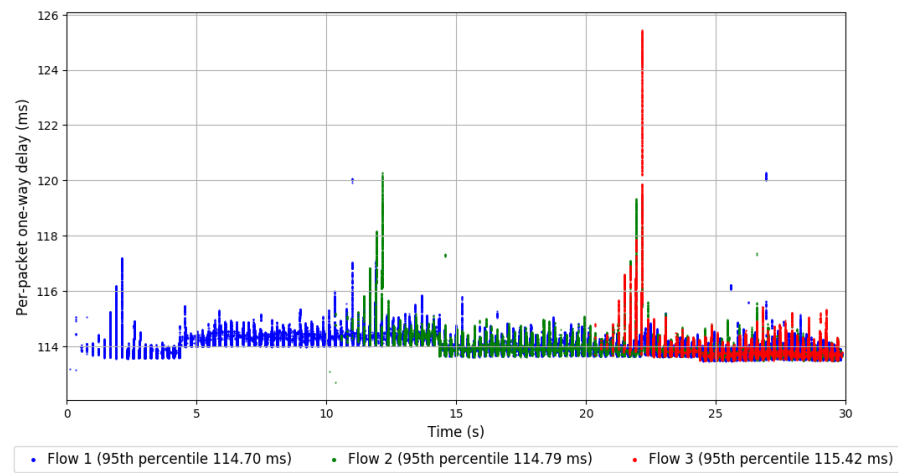
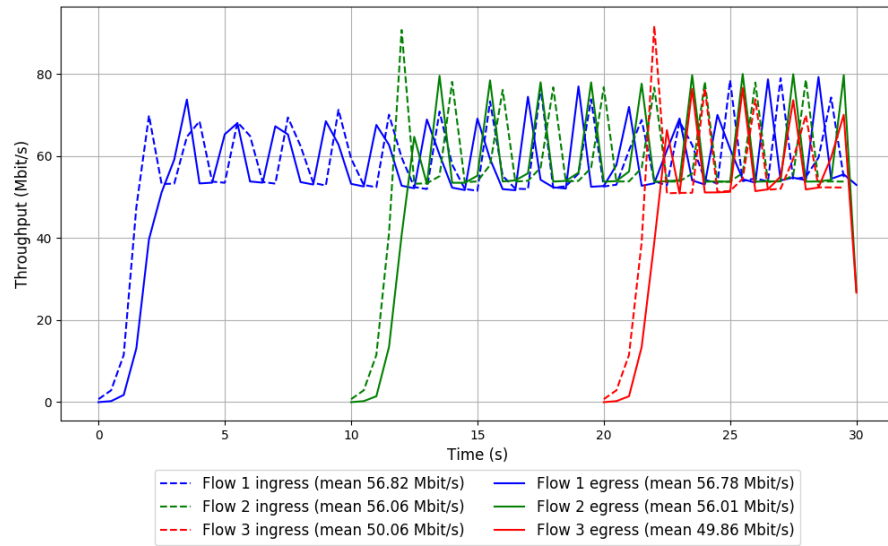


Run 8: Statistics of TCP Vegas

Start at: 2018-08-10 19:45:38
End at: 2018-08-10 19:46:08
Local clock offset: 2.63 ms
Remote clock offset: -2.004 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.25 Mbit/s
95th percentile per-packet one-way delay: 114.764 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 114.704 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 114.787 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 115.420 ms
Loss rate: 2.62%

Run 8: Report of TCP Vegas — Data Link

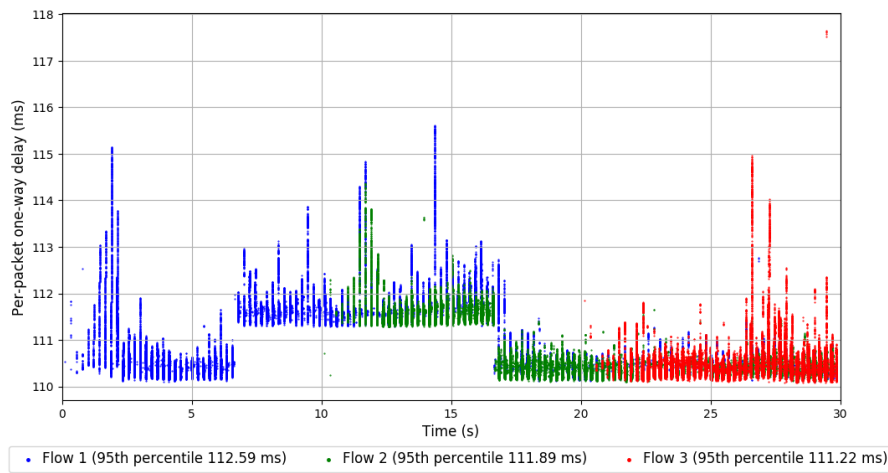
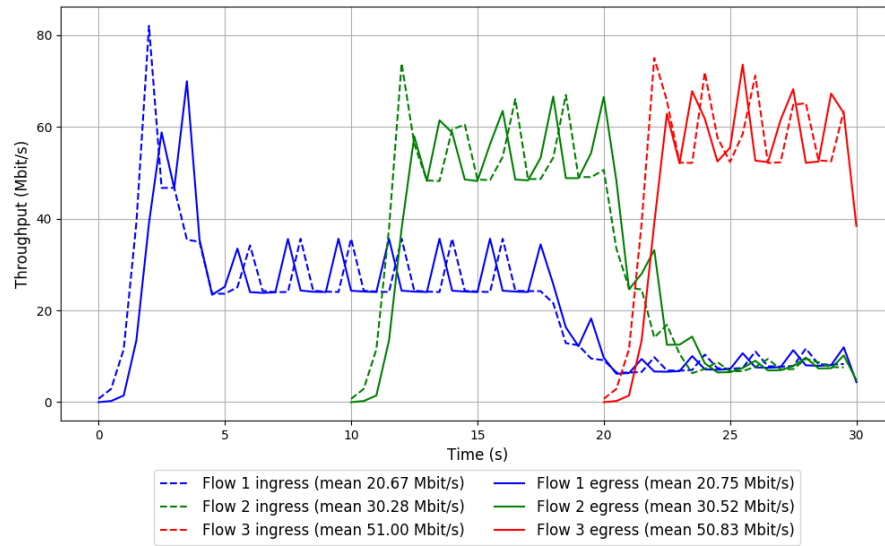


Run 9: Statistics of TCP Vegas

Start at: 2018-08-10 20:13:06
End at: 2018-08-10 20:13:36
Local clock offset: 0.058 ms
Remote clock offset: -0.699 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 112.122 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 112.586 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 111.890 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 111.217 ms
Loss rate: 2.54%

Run 9: Report of TCP Vegas — Data Link

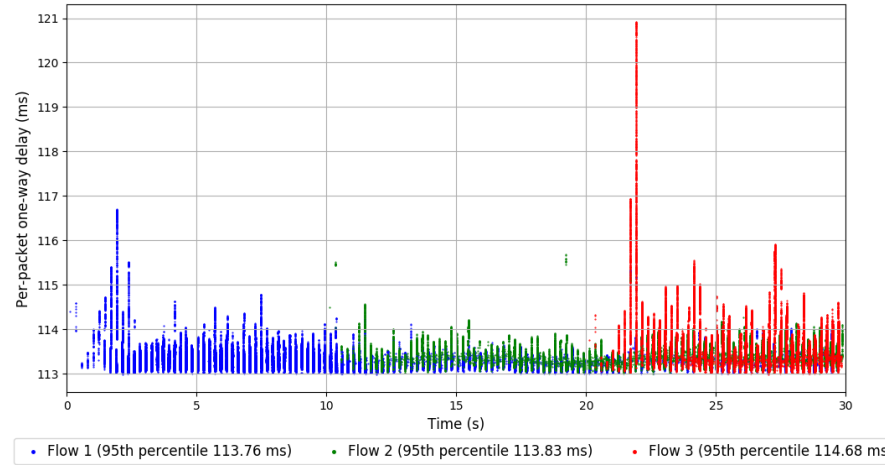
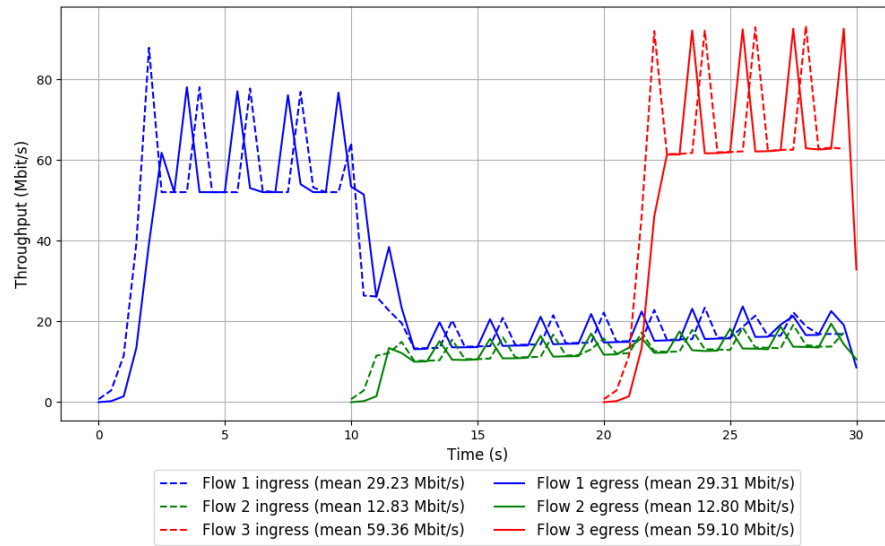


Run 10: Statistics of TCP Vegas

Start at: 2018-08-10 20:40:16
End at: 2018-08-10 20:40:46
Local clock offset: 2.844 ms
Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 114.200 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 113.760 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 113.830 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 114.684 ms
Loss rate: 2.67%

Run 10: Report of TCP Vegas — Data Link

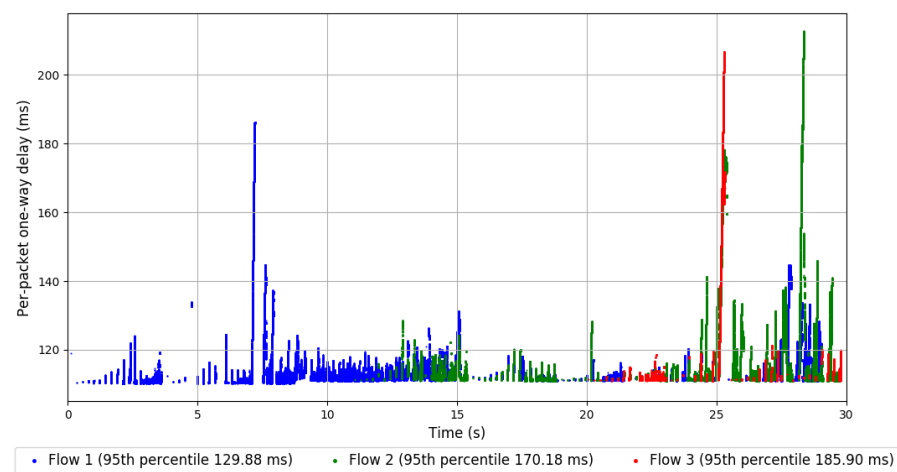
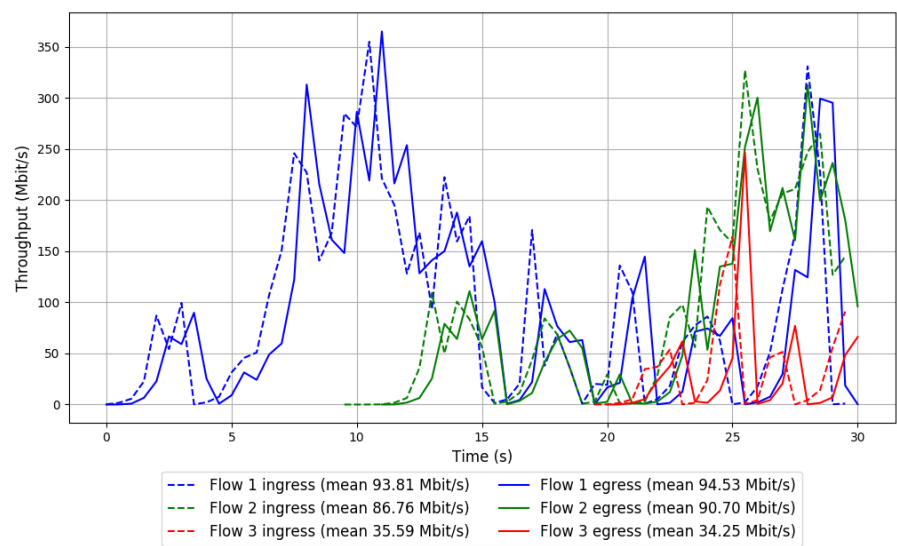


Run 1: Statistics of Verus

Start at: 2018-08-10 16:45:34
End at: 2018-08-10 16:46:04
Local clock offset: -0.048 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.62 Mbit/s
95th percentile per-packet one-way delay: 142.721 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 129.875 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 90.70 Mbit/s
95th percentile per-packet one-way delay: 170.178 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 185.903 ms
Loss rate: 5.97%

Run 1: Report of Verus — Data Link

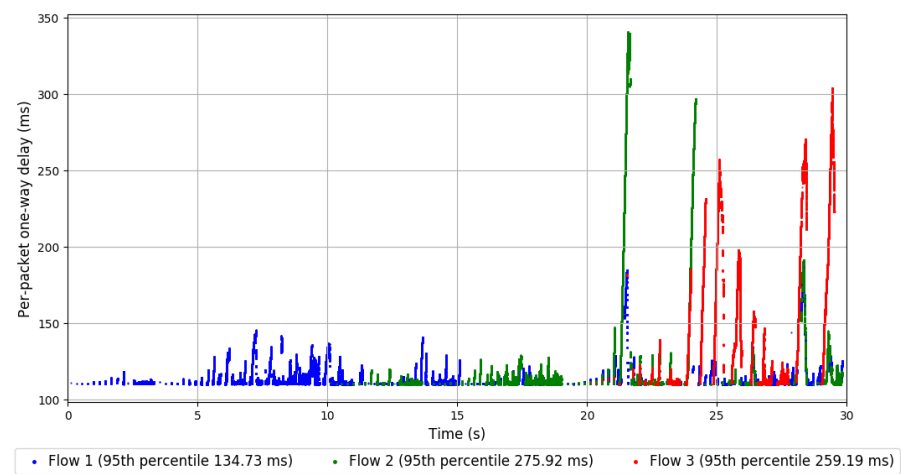
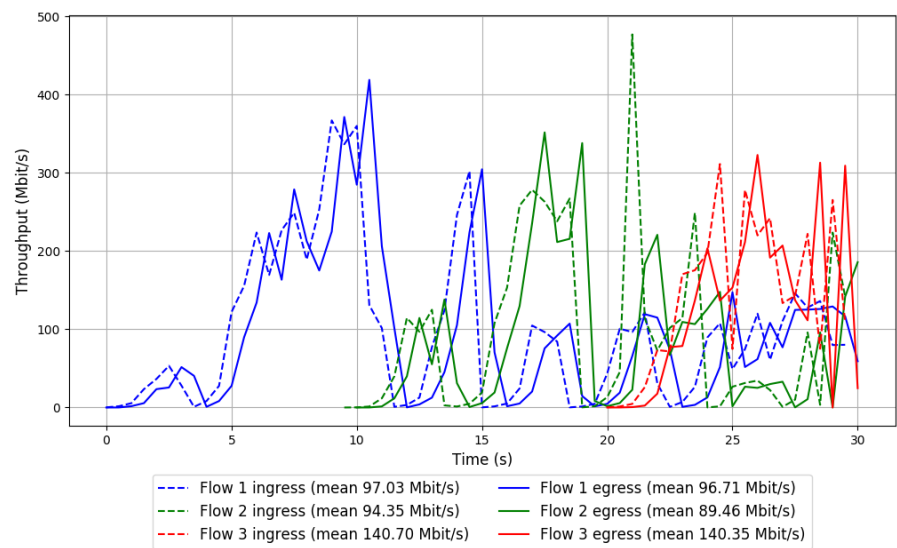


Run 2: Statistics of Verus

Start at: 2018-08-10 17:11:33
End at: 2018-08-10 17:12:03
Local clock offset: 0.1 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.36 Mbit/s
95th percentile per-packet one-way delay: 236.175 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 134.729 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 275.920 ms
Loss rate: 6.35%
-- Flow 3:
Average throughput: 140.35 Mbit/s
95th percentile per-packet one-way delay: 259.190 ms
Loss rate: 5.70%

Run 2: Report of Verus — Data Link

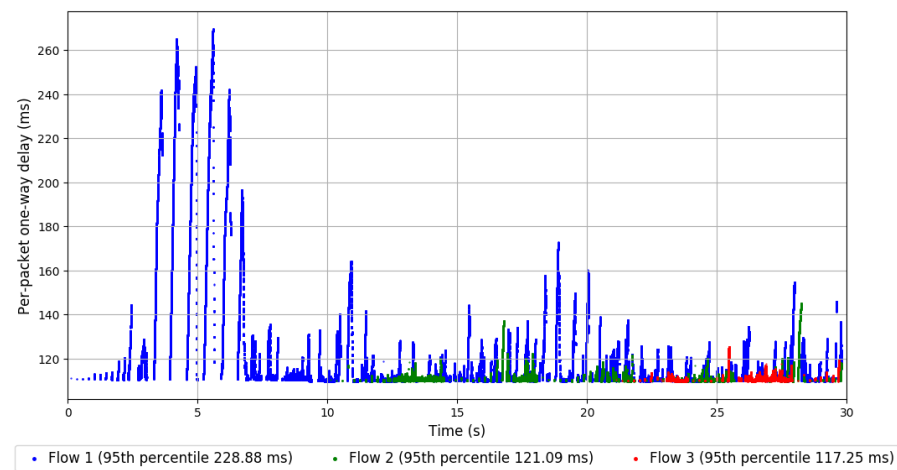
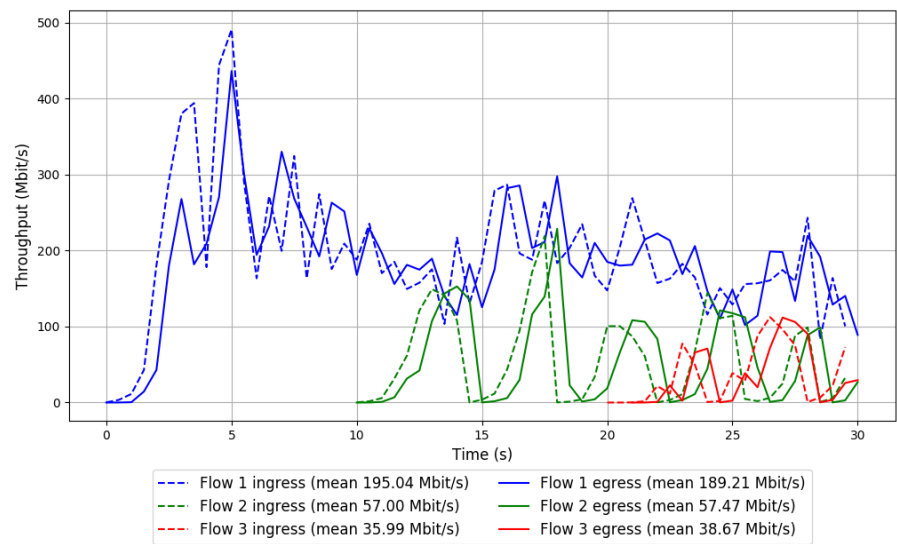


Run 3: Statistics of Verus

Start at: 2018-08-10 17:37:53
End at: 2018-08-10 17:38:23
Local clock offset: -0.446 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.45 Mbit/s
95th percentile per-packet one-way delay: 218.579 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 189.21 Mbit/s
95th percentile per-packet one-way delay: 228.885 ms
Loss rate: 3.88%
-- Flow 2:
Average throughput: 57.47 Mbit/s
95th percentile per-packet one-way delay: 121.087 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 117.254 ms
Loss rate: 6.14%

Run 3: Report of Verus — Data Link

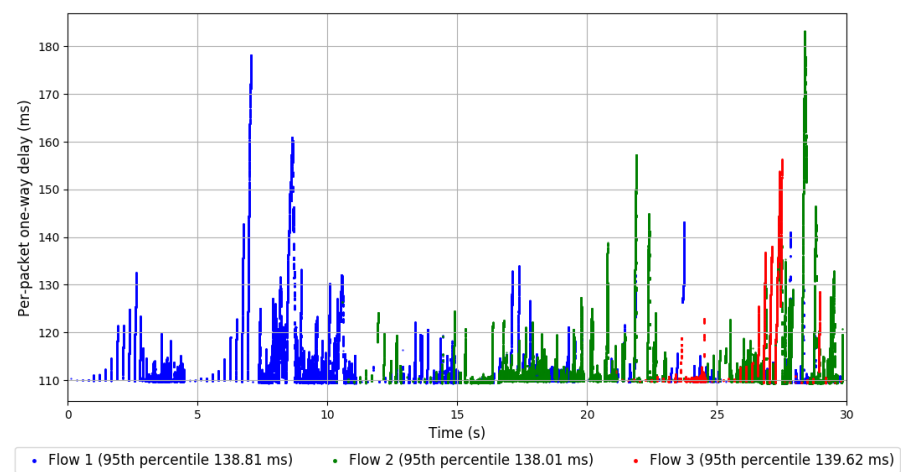
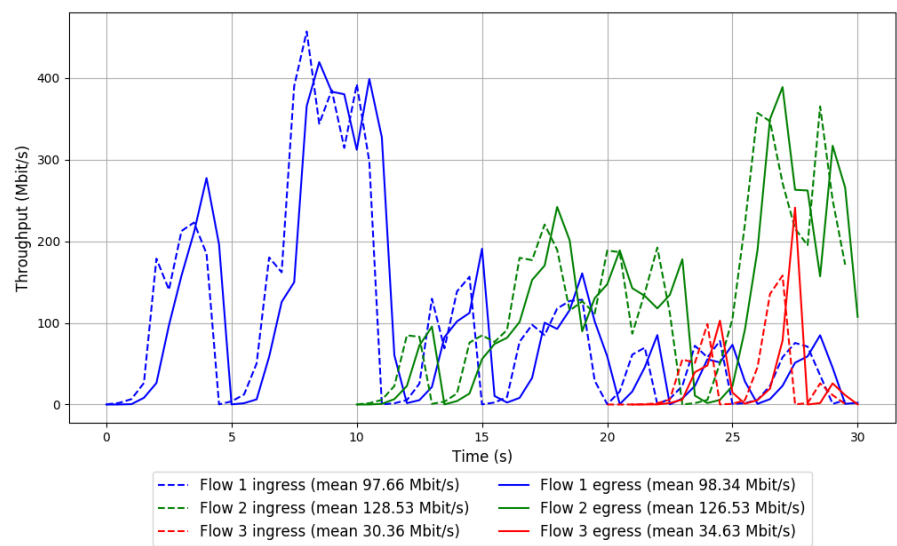


Run 4: Statistics of Verus

Start at: 2018-08-10 18:03:46
End at: 2018-08-10 18:04:16
Local clock offset: -1.39 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.92 Mbit/s
95th percentile per-packet one-way delay: 138.471 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 98.34 Mbit/s
95th percentile per-packet one-way delay: 138.814 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 126.53 Mbit/s
95th percentile per-packet one-way delay: 138.010 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 139.616 ms
Loss rate: 0.10%

Run 4: Report of Verus — Data Link

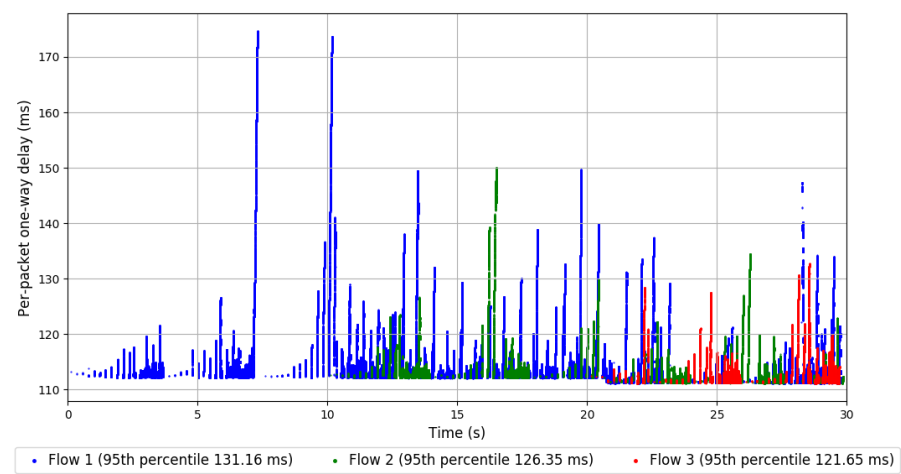
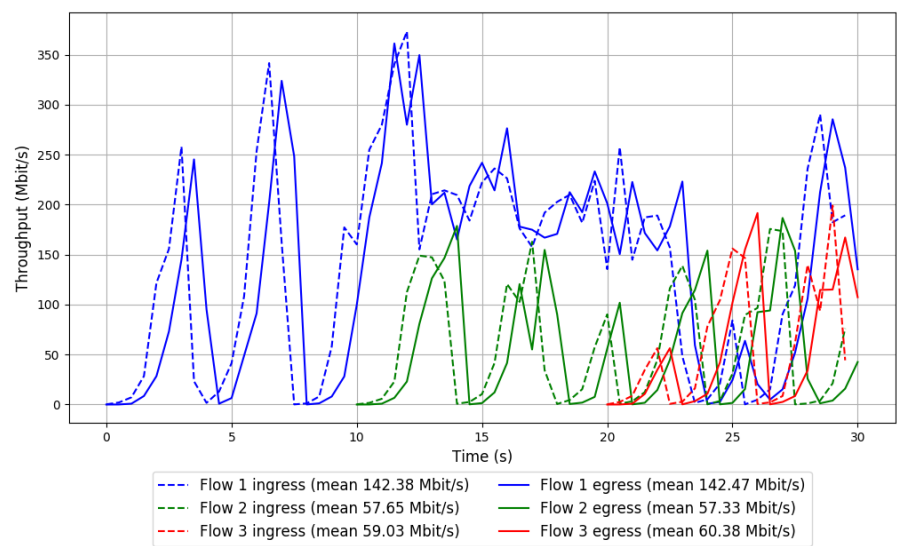


Run 5: Statistics of Verus

Start at: 2018-08-10 18:30:32
End at: 2018-08-10 18:31:02
Local clock offset: 1.232 ms
Remote clock offset: -5.869 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 199.60 Mbit/s
95th percentile per-packet one-way delay: 129.737 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 142.47 Mbit/s
95th percentile per-packet one-way delay: 131.160 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 57.33 Mbit/s
95th percentile per-packet one-way delay: 126.353 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 121.651 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

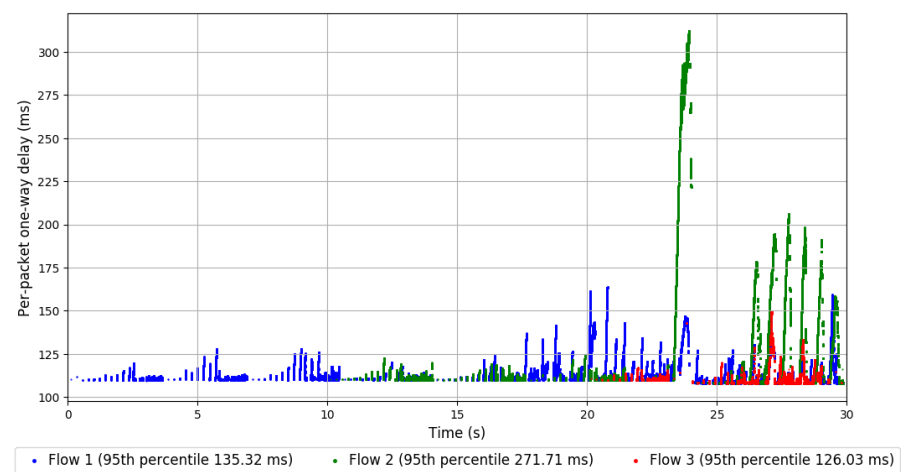
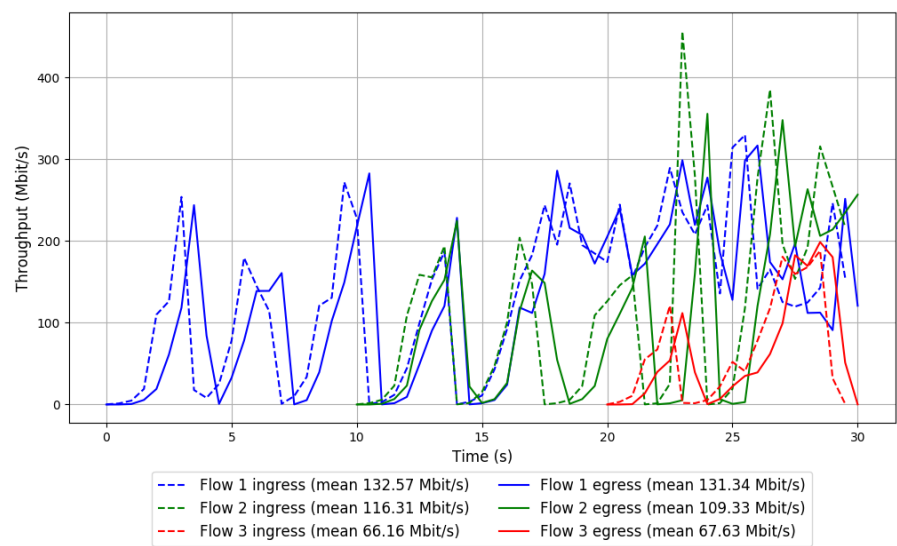


Run 6: Statistics of Verus

Start at: 2018-08-10 18:57:49
End at: 2018-08-10 18:58:19
Local clock offset: -0.792 ms
Remote clock offset: -3.514 ms

Below is generated by plot.py at 2018-08-10 23:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.81 Mbit/s
95th percentile per-packet one-way delay: 176.927 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 131.34 Mbit/s
95th percentile per-packet one-way delay: 135.320 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 109.33 Mbit/s
95th percentile per-packet one-way delay: 271.707 ms
Loss rate: 7.07%
-- Flow 3:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 126.031 ms
Loss rate: 0.06%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-10 19:25:15

End at: 2018-08-10 19:25:45

Local clock offset: 2.694 ms

Remote clock offset: -2.03 ms

Below is generated by plot.py at 2018-08-10 23:43:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.07 Mbit/s

95th percentile per-packet one-way delay: 272.044 ms

Loss rate: 5.27%

-- Flow 1:

Average throughput: 177.33 Mbit/s

95th percentile per-packet one-way delay: 300.606 ms

Loss rate: 7.23%

-- Flow 2:

Average throughput: 156.97 Mbit/s

95th percentile per-packet one-way delay: 162.283 ms

Loss rate: 1.70%

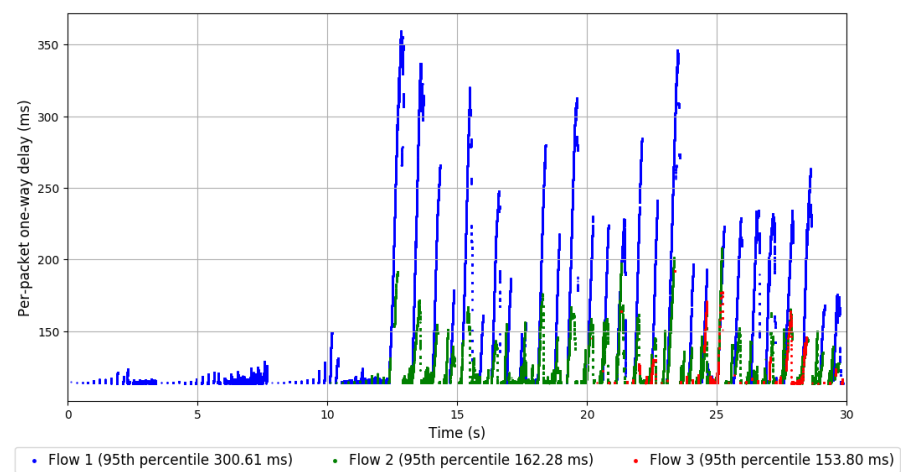
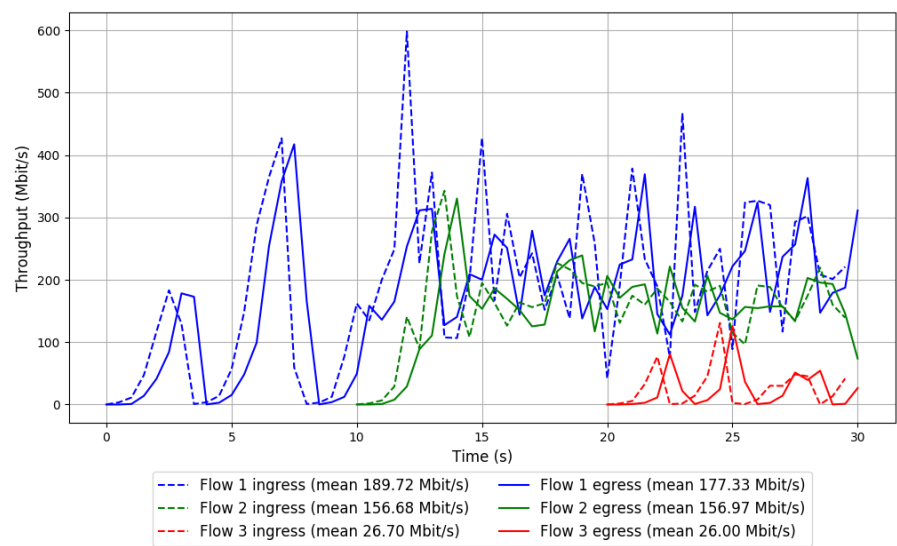
-- Flow 3:

Average throughput: 26.00 Mbit/s

95th percentile per-packet one-way delay: 153.803 ms

Loss rate: 5.23%

Run 7: Report of Verus — Data Link

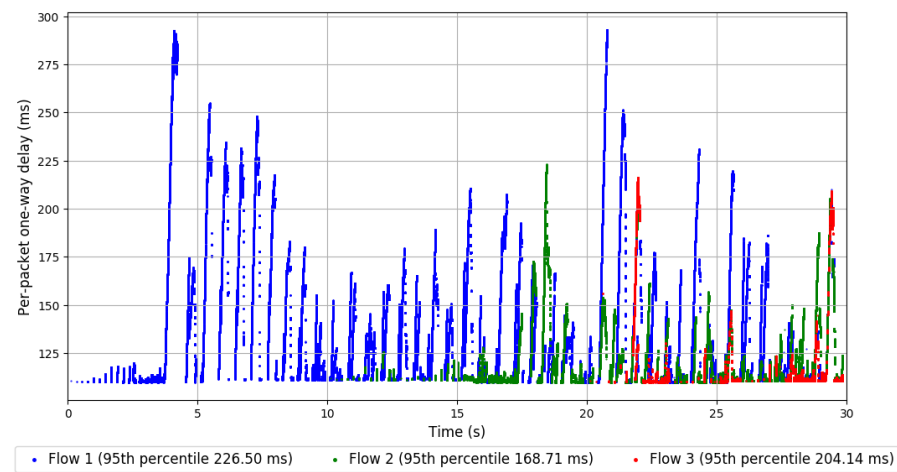
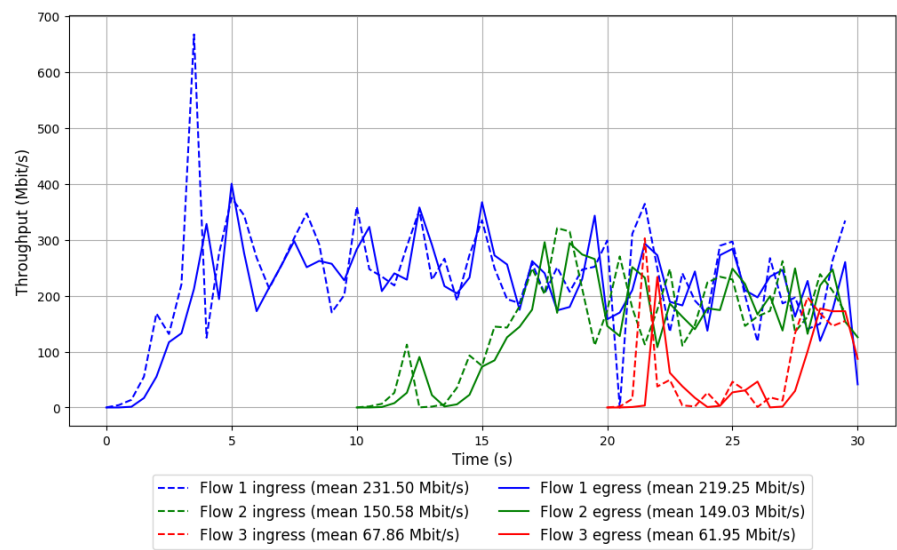


Run 8: Statistics of Verus

Start at: 2018-08-10 19:53:27
End at: 2018-08-10 19:53:57
Local clock offset: 0.101 ms
Remote clock offset: -0.753 ms

Below is generated by plot.py at 2018-08-10 23:46:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.37 Mbit/s
95th percentile per-packet one-way delay: 216.661 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 219.25 Mbit/s
95th percentile per-packet one-way delay: 226.499 ms
Loss rate: 6.00%
-- Flow 2:
Average throughput: 149.03 Mbit/s
95th percentile per-packet one-way delay: 168.711 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 204.139 ms
Loss rate: 10.75%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-10 20:20:45

End at: 2018-08-10 20:21:15

Local clock offset: -0.139 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-08-10 23:46:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 228.93 Mbit/s

95th percentile per-packet one-way delay: 161.659 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 104.33 Mbit/s

95th percentile per-packet one-way delay: 131.860 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 155.28 Mbit/s

95th percentile per-packet one-way delay: 208.397 ms

Loss rate: 0.86%

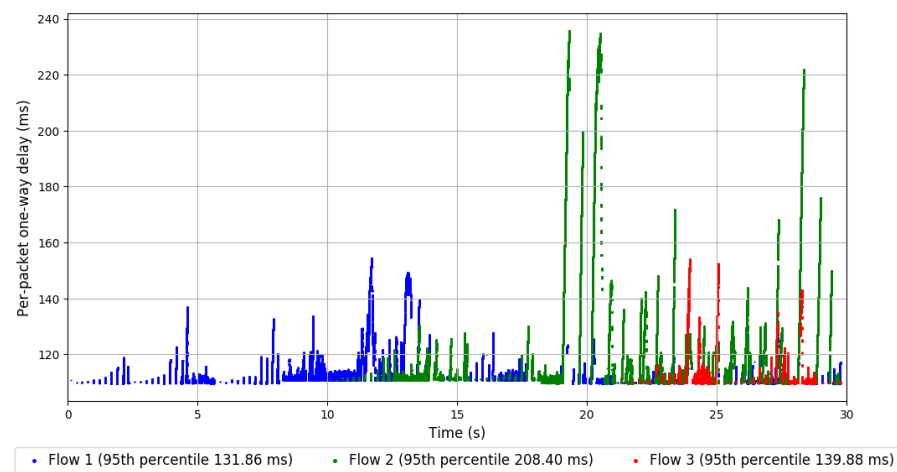
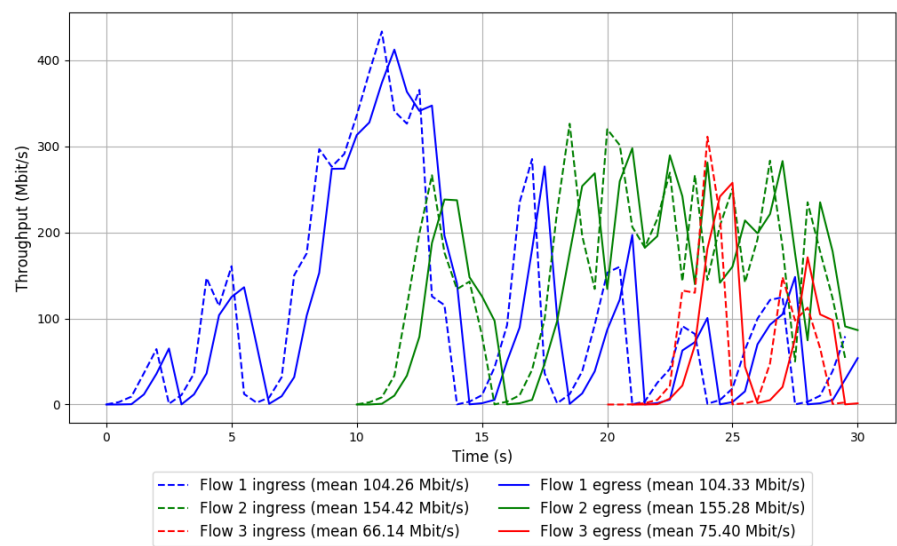
-- Flow 3:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 139.885 ms

Loss rate: 0.14%

Run 9: Report of Verus — Data Link

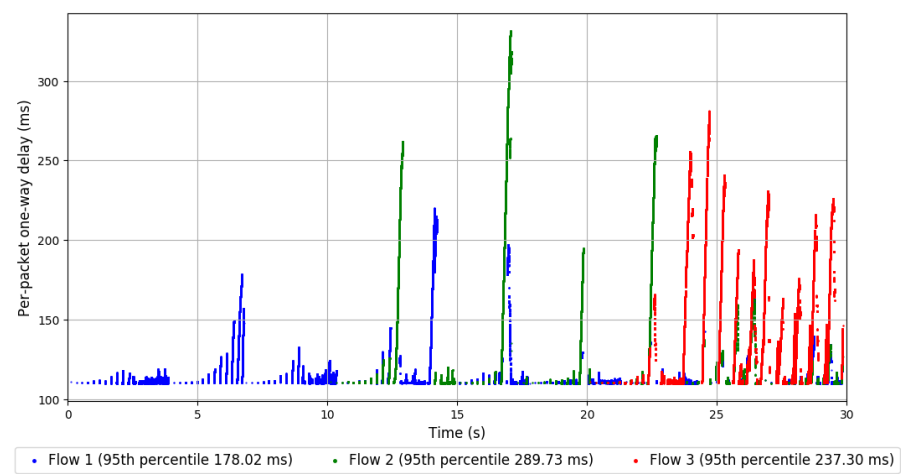
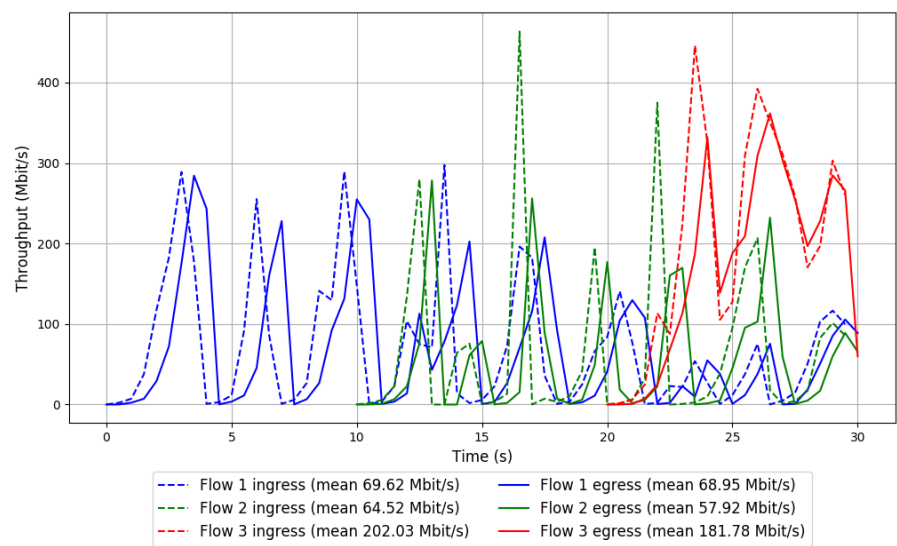


Run 10: Statistics of Verus

Start at: 2018-08-10 20:47:55
End at: 2018-08-10 20:48:25
Local clock offset: -0.121 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-08-10 23:46:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.78 Mbit/s
95th percentile per-packet one-way delay: 239.995 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 68.95 Mbit/s
95th percentile per-packet one-way delay: 178.023 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 289.729 ms
Loss rate: 11.22%
-- Flow 3:
Average throughput: 181.78 Mbit/s
95th percentile per-packet one-way delay: 237.299 ms
Loss rate: 11.94%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-10 16:47:00

End at: 2018-08-10 16:47:30

Local clock offset: -0.313 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-08-10 23:47:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.10 Mbit/s

95th percentile per-packet one-way delay: 113.472 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 238.45 Mbit/s

95th percentile per-packet one-way delay: 114.476 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 112.719 ms

Loss rate: 2.43%

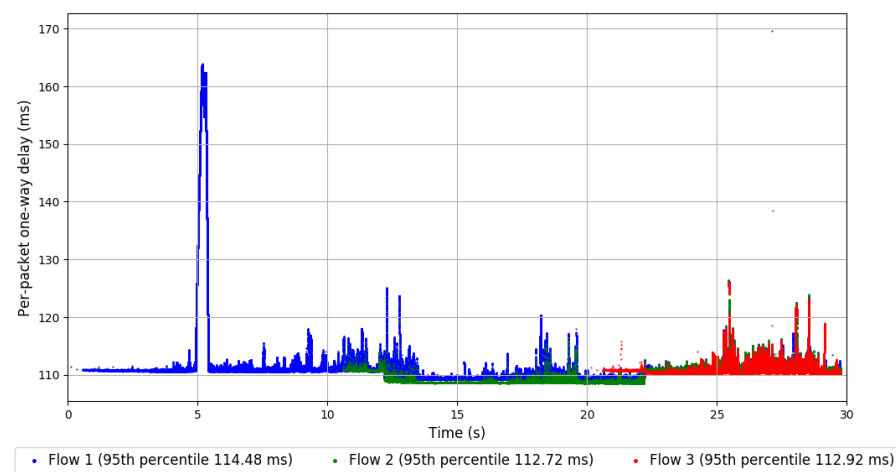
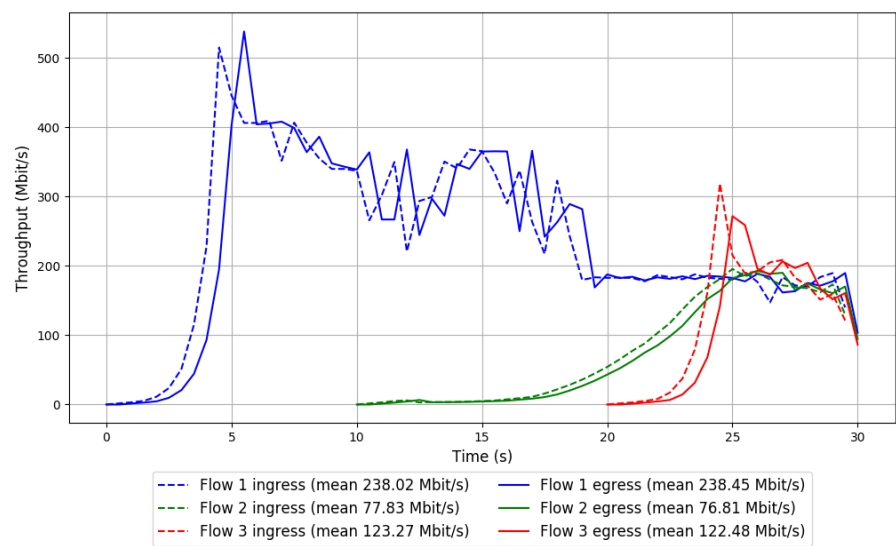
-- Flow 3:

Average throughput: 122.48 Mbit/s

95th percentile per-packet one-way delay: 112.917 ms

Loss rate: 2.89%

Run 1: Report of PCC-Vivace — Data Link

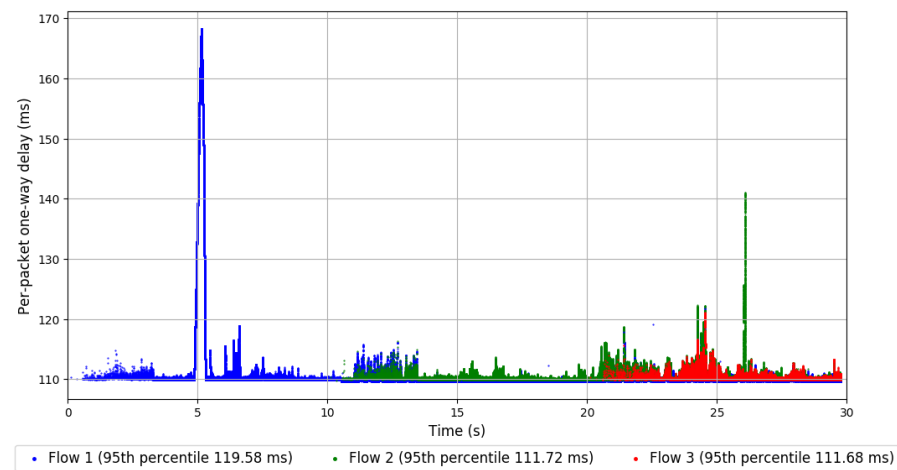
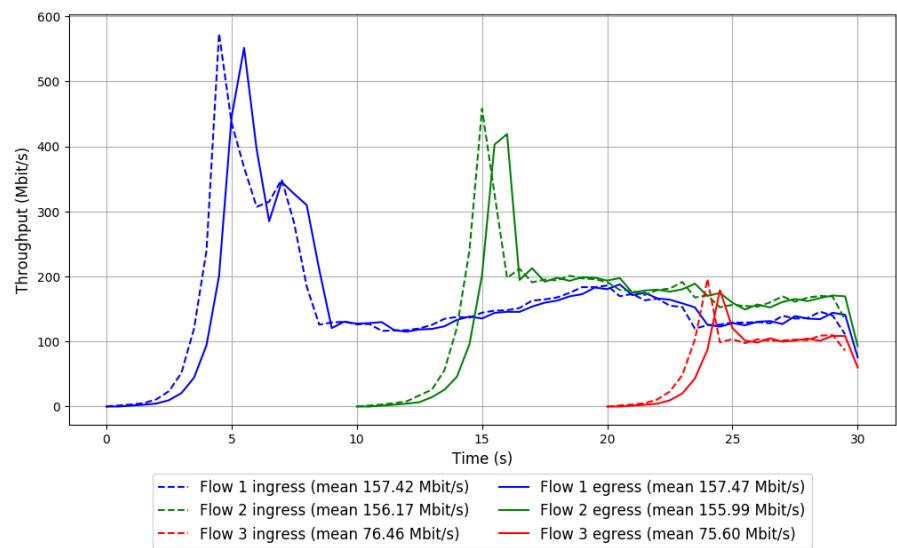


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-10 17:13:02
End at: 2018-08-10 17:13:32
Local clock offset: -0.205 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-08-10 23:47:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.39 Mbit/s
95th percentile per-packet one-way delay: 112.885 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 157.47 Mbit/s
95th percentile per-packet one-way delay: 119.581 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 155.99 Mbit/s
95th percentile per-packet one-way delay: 111.715 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 111.679 ms
Loss rate: 3.34%

Run 2: Report of PCC-Vivace — Data Link

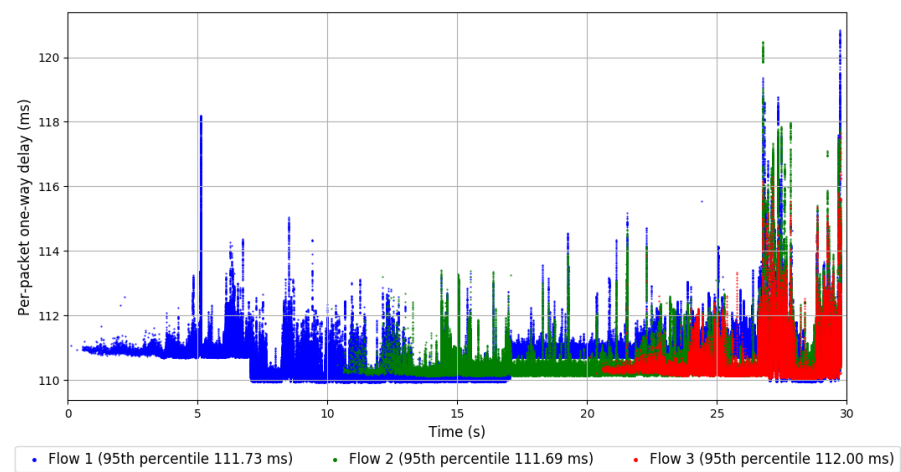
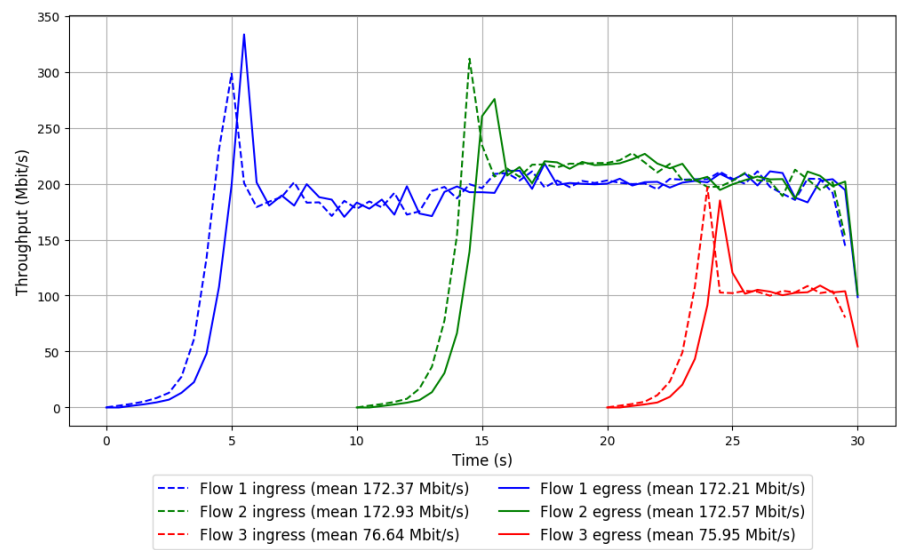


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-10 17:39:26
End at: 2018-08-10 17:39:56
Local clock offset: -0.054 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-08-10 23:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.05 Mbit/s
95th percentile per-packet one-way delay: 111.749 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 172.21 Mbit/s
95th percentile per-packet one-way delay: 111.733 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 172.57 Mbit/s
95th percentile per-packet one-way delay: 111.689 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: 112.005 ms
Loss rate: 3.17%

Run 3: Report of PCC-Vivace — Data Link

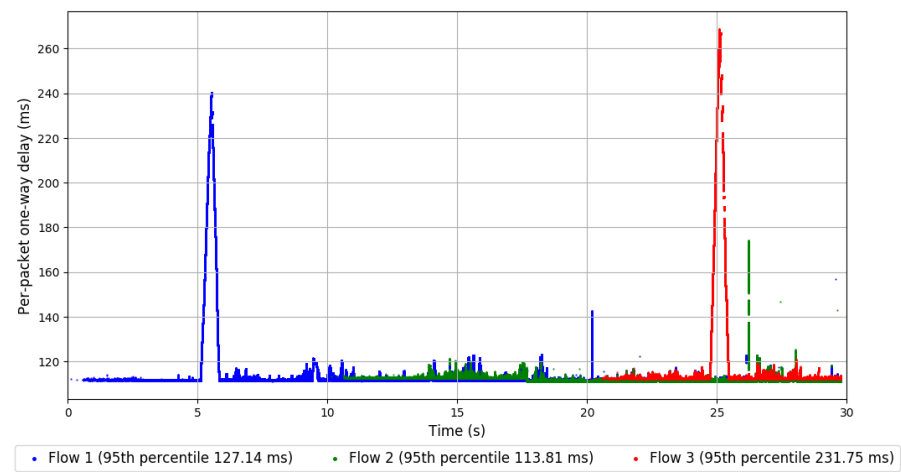
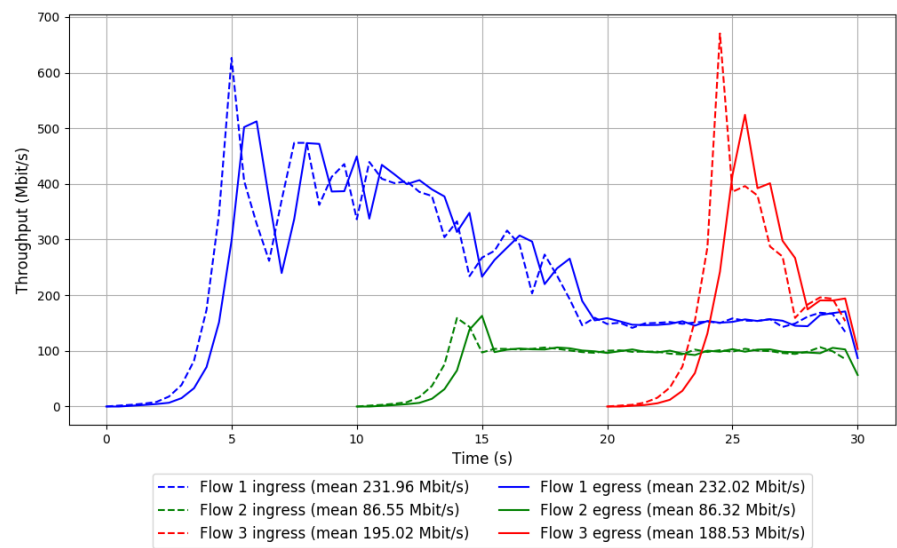


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-10 18:05:15
End at: 2018-08-10 18:05:45
Local clock offset: 1.161 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-08-10 23:49:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.42 Mbit/s
95th percentile per-packet one-way delay: 153.063 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 232.02 Mbit/s
95th percentile per-packet one-way delay: 127.136 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 113.809 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 188.53 Mbit/s
95th percentile per-packet one-way delay: 231.747 ms
Loss rate: 5.52%

Run 4: Report of PCC-Vivace — Data Link

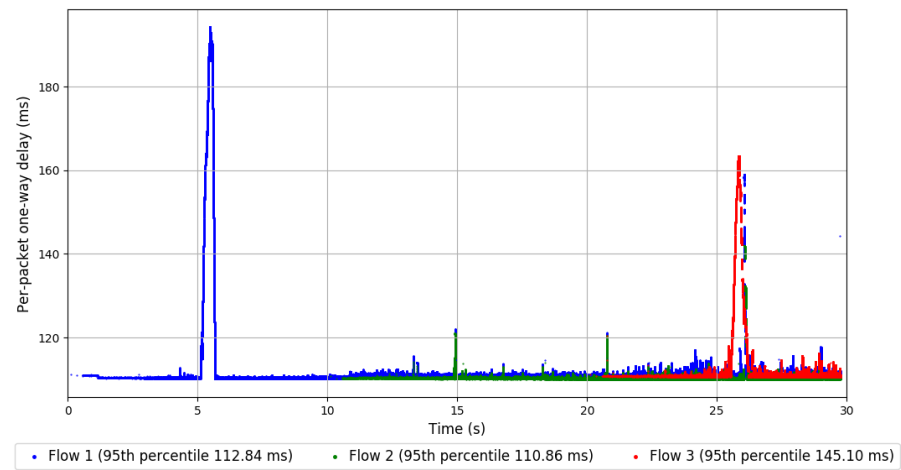
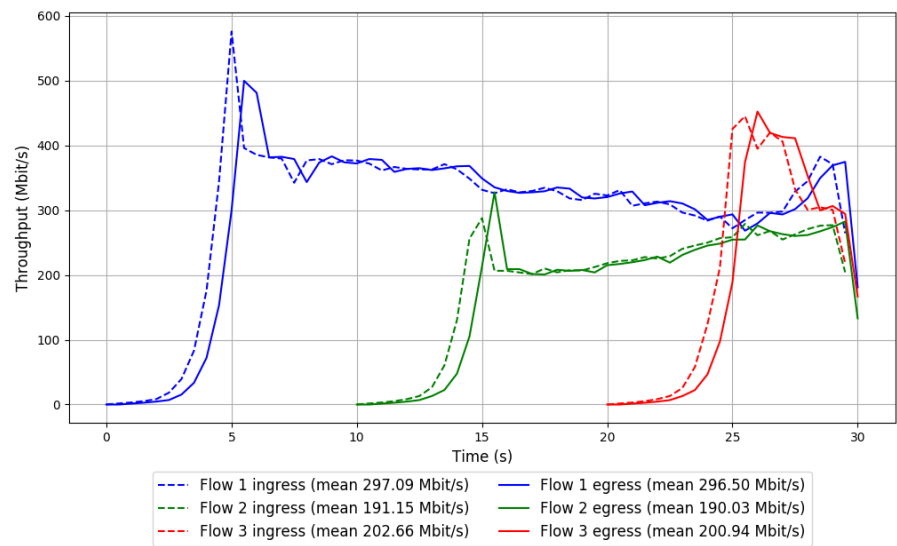


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-10 18:32:02
End at: 2018-08-10 18:32:32
Local clock offset: 0.448 ms
Remote clock offset: -5.845 ms

Below is generated by plot.py at 2018-08-10 23:51:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 487.73 Mbit/s
95th percentile per-packet one-way delay: 114.424 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 296.50 Mbit/s
95th percentile per-packet one-way delay: 112.836 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 190.03 Mbit/s
95th percentile per-packet one-way delay: 110.861 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 200.94 Mbit/s
95th percentile per-packet one-way delay: 145.105 ms
Loss rate: 3.10%

Run 5: Report of PCC-Vivace — Data Link

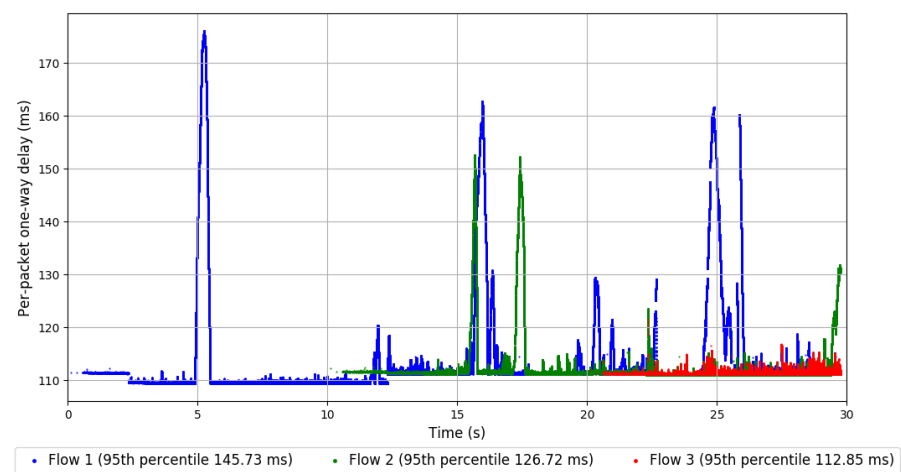
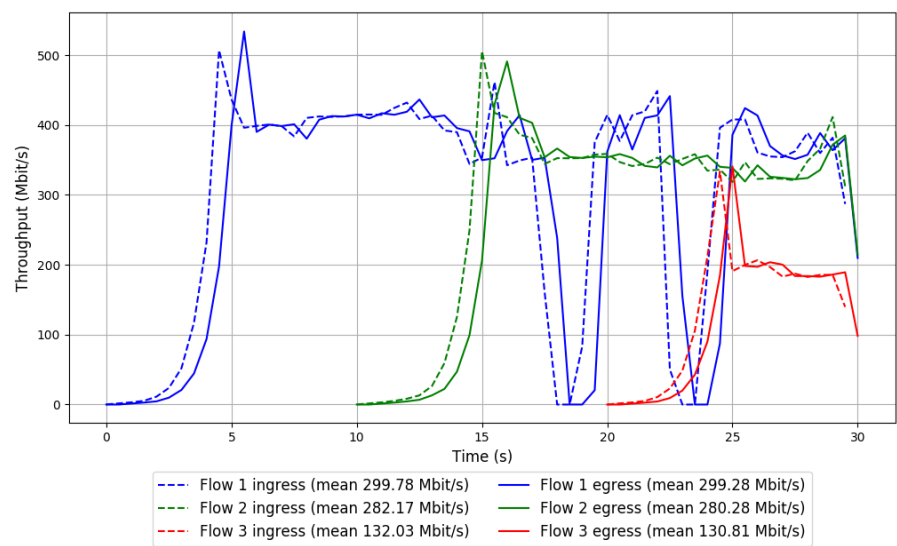


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-10 18:59:20
End at: 2018-08-10 18:59:50
Local clock offset: -0.067 ms
Remote clock offset: -4.332 ms

Below is generated by plot.py at 2018-08-10 23:52:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 527.42 Mbit/s
95th percentile per-packet one-way delay: 136.331 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 299.28 Mbit/s
95th percentile per-packet one-way delay: 145.732 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 280.28 Mbit/s
95th percentile per-packet one-way delay: 126.725 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 130.81 Mbit/s
95th percentile per-packet one-way delay: 112.854 ms
Loss rate: 3.15%

Run 6: Report of PCC-Vivace — Data Link

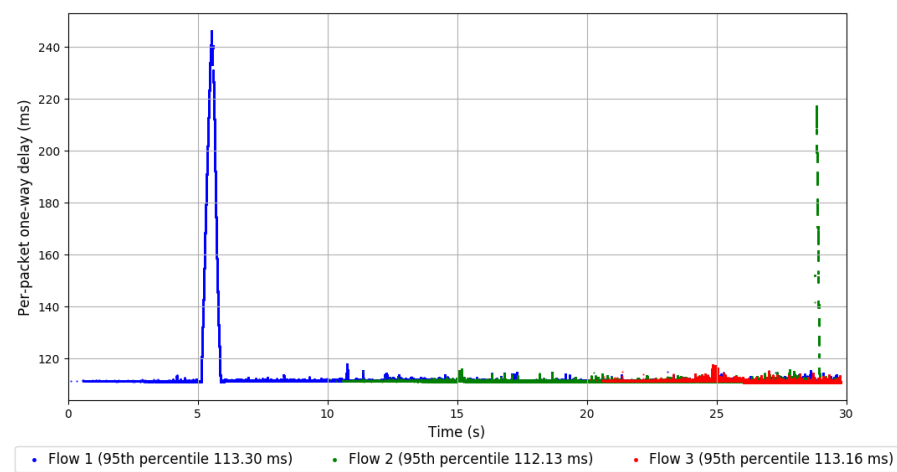
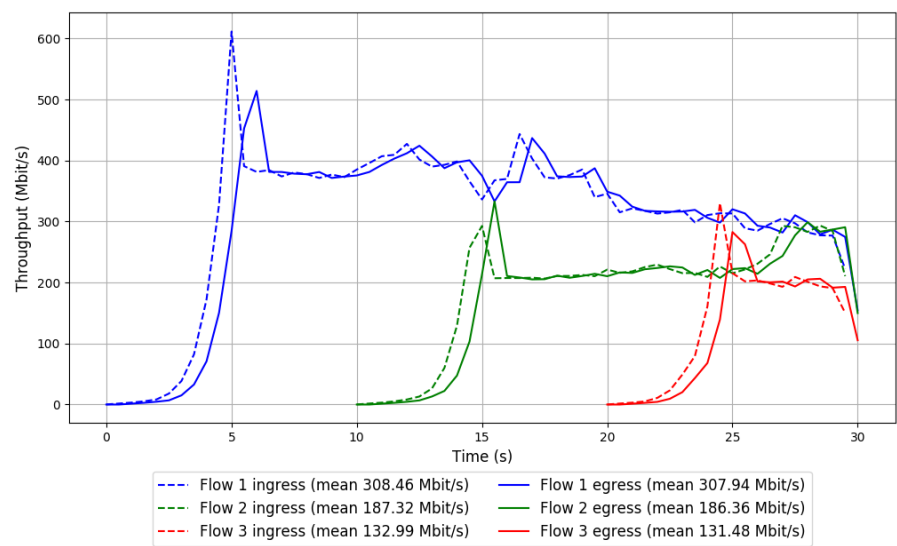


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-10 19:26:57
End at: 2018-08-10 19:27:27
Local clock offset: -0.28 ms
Remote clock offset: -2.005 ms

Below is generated by plot.py at 2018-08-10 23:52:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.09 Mbit/s
95th percentile per-packet one-way delay: 112.765 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 307.94 Mbit/s
95th percentile per-packet one-way delay: 113.298 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 186.36 Mbit/s
95th percentile per-packet one-way delay: 112.127 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 131.48 Mbit/s
95th percentile per-packet one-way delay: 113.156 ms
Loss rate: 3.36%

Run 7: Report of PCC-Vivace — Data Link

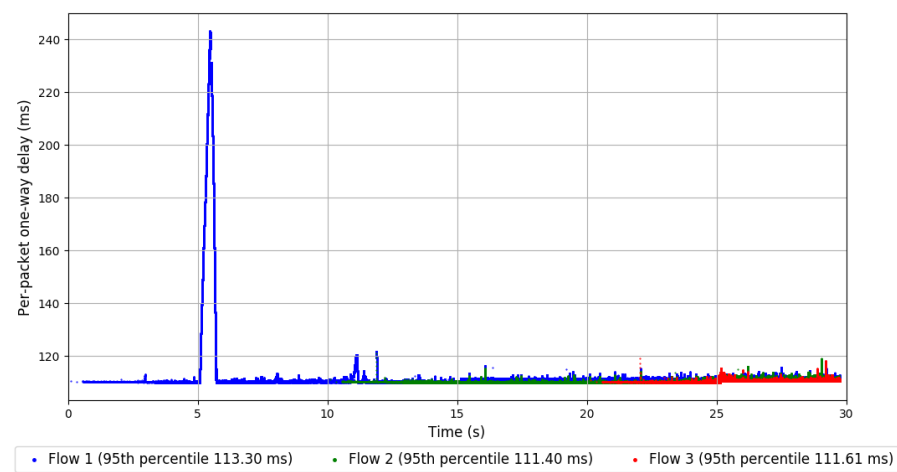
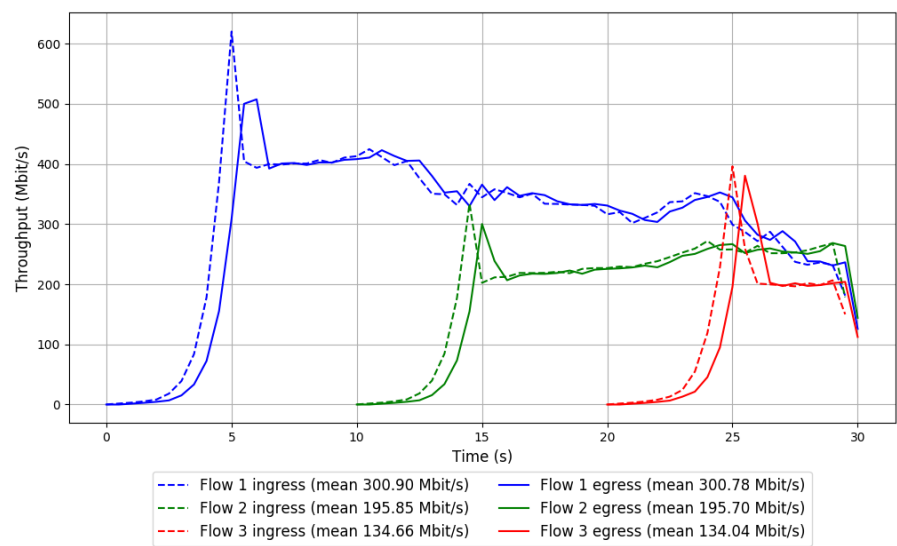


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-10 19:55:08
End at: 2018-08-10 19:55:38
Local clock offset: -0.18 ms
Remote clock offset: -1.024 ms

Below is generated by plot.py at 2018-08-10 23:53:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 473.96 Mbit/s
95th percentile per-packet one-way delay: 112.192 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 300.78 Mbit/s
95th percentile per-packet one-way delay: 113.300 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 195.70 Mbit/s
95th percentile per-packet one-way delay: 111.399 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 134.04 Mbit/s
95th percentile per-packet one-way delay: 111.610 ms
Loss rate: 3.11%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-10 20:22:17

End at: 2018-08-10 20:22:47

Local clock offset: 0.028 ms

Remote clock offset: -0.59 ms

Below is generated by plot.py at 2018-08-10 23:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 470.27 Mbit/s

95th percentile per-packet one-way delay: 116.361 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 276.52 Mbit/s

95th percentile per-packet one-way delay: 129.013 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 193.20 Mbit/s

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

Loss rate: 1.79%

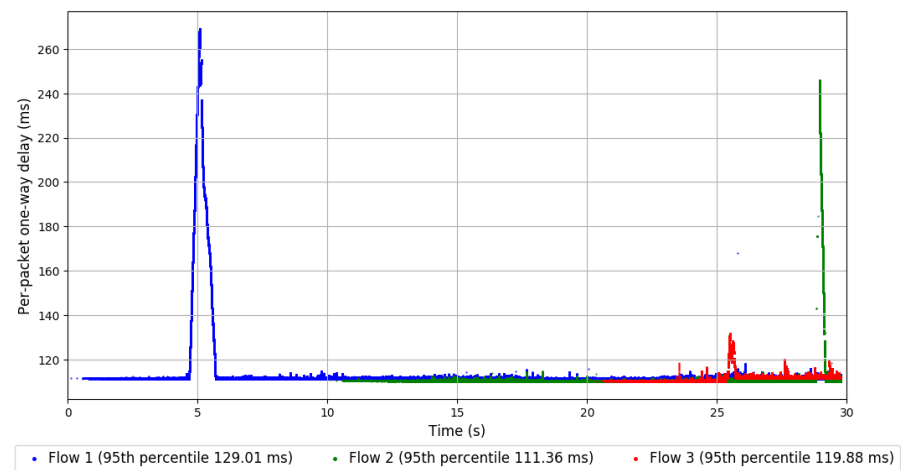
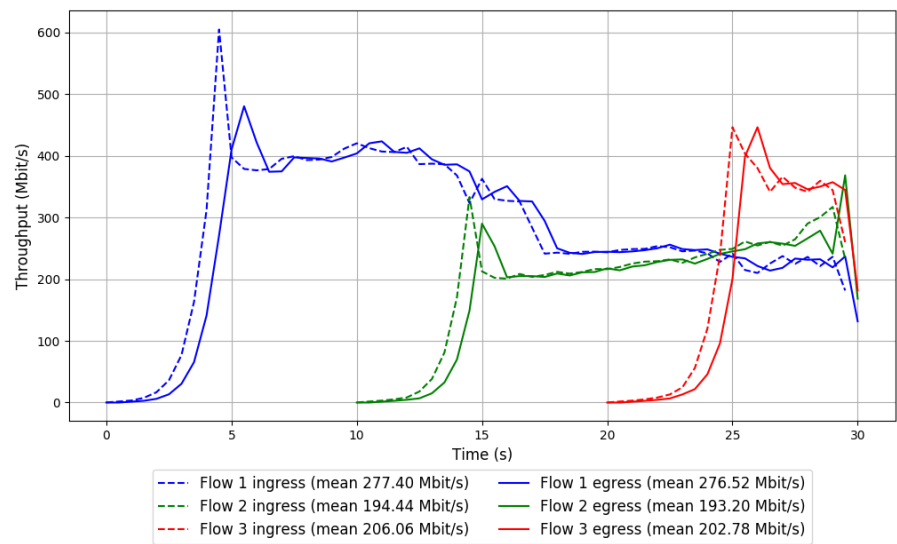
-- Flow 3:

Average throughput: 202.78 Mbit/s

95th percentile per-packet one-way delay: 119.876 ms

Loss rate: 3.82%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-10 20:49:22

End at: 2018-08-10 20:49:52

Local clock offset: -0.043 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-08-10 23:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.64 Mbit/s

95th percentile per-packet one-way delay: 210.814 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 281.68 Mbit/s

95th percentile per-packet one-way delay: 209.871 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 195.36 Mbit/s

95th percentile per-packet one-way delay: 172.716 ms

Loss rate: 1.30%

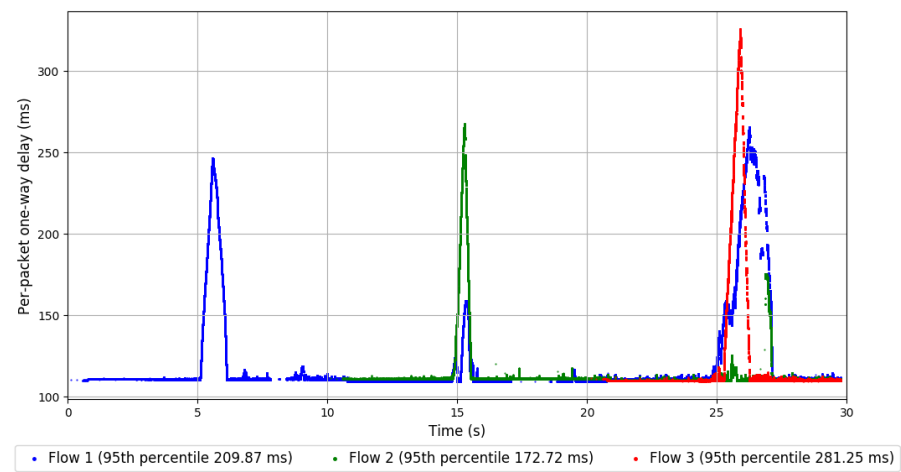
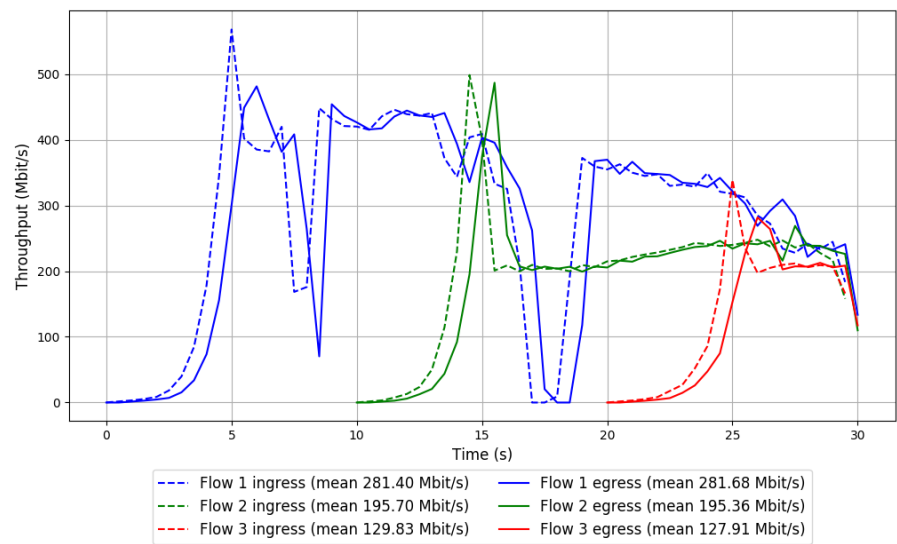
-- Flow 3:

Average throughput: 127.91 Mbit/s

95th percentile per-packet one-way delay: 281.250 ms

Loss rate: 3.71%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-10 16:33:04

End at: 2018-08-10 16:33:34

Local clock offset: -0.963 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-08-10 23:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 110.430 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 109.102 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 110.671 ms

Loss rate: 1.31%

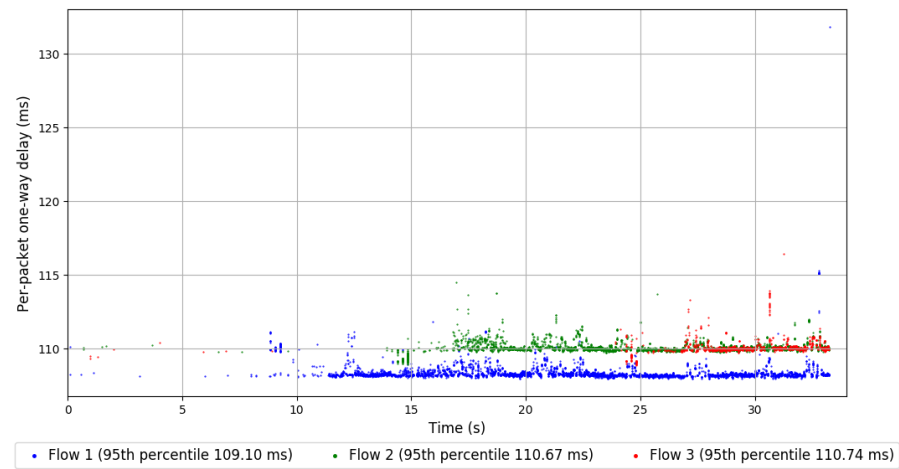
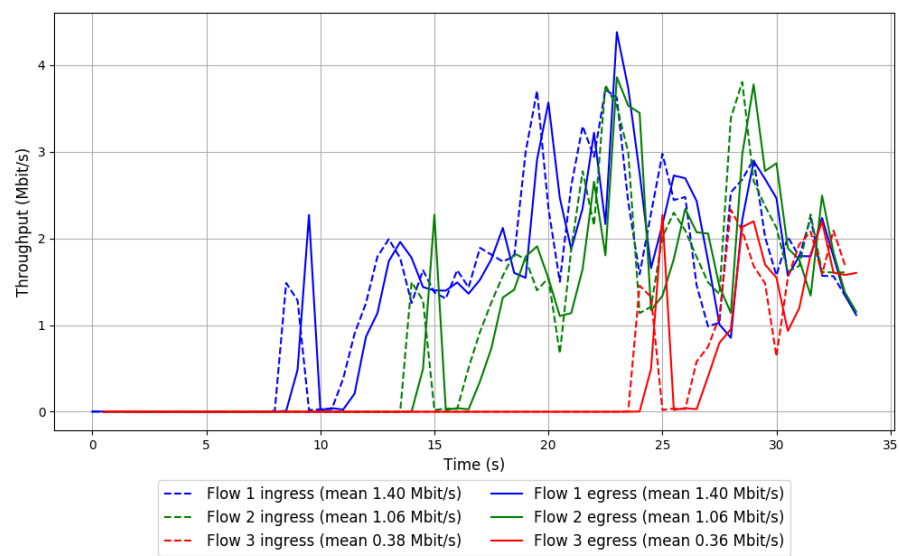
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 110.739 ms

Loss rate: 3.84%

Run 1: Report of WebRTC media — Data Link

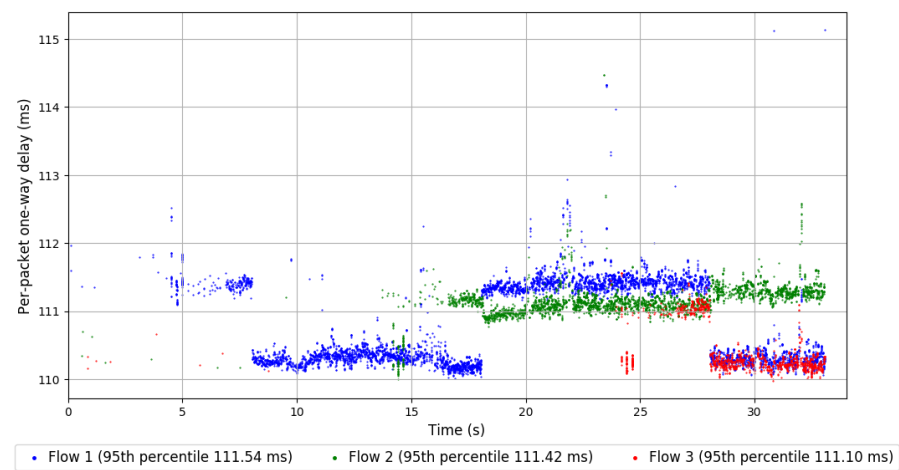
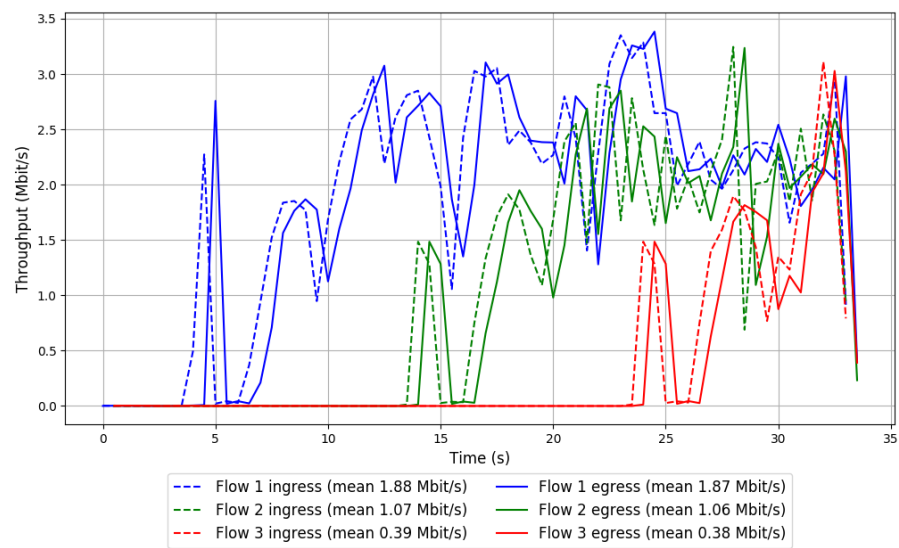


Run 2: Statistics of WebRTC media

Start at: 2018-08-10 16:59:18
End at: 2018-08-10 16:59:48
Local clock offset: -0.178 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-08-10 23:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 111.514 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 111.542 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 111.417 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 111.100 ms
Loss rate: 4.17%

Run 2: Report of WebRTC media — Data Link

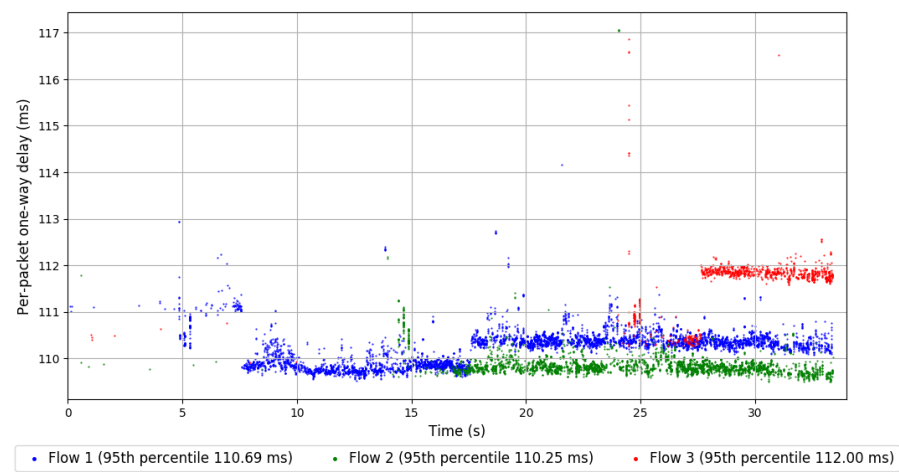
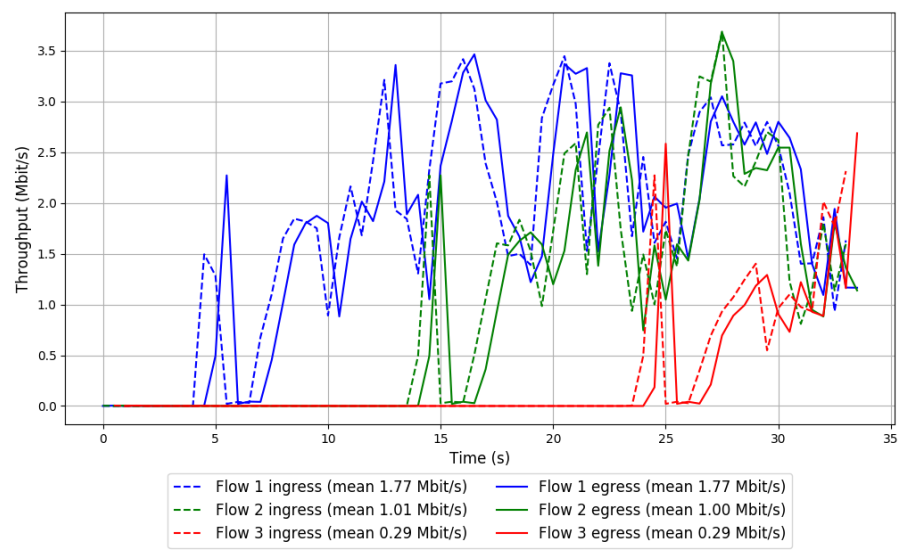


Run 3: Statistics of WebRTC media

Start at: 2018-08-10 17:25:19
End at: 2018-08-10 17:25:49
Local clock offset: -0.661 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2018-08-10 23:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 111.815 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 110.693 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 110.254 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 112.002 ms
Loss rate: 3.55%

Run 3: Report of WebRTC media — Data Link

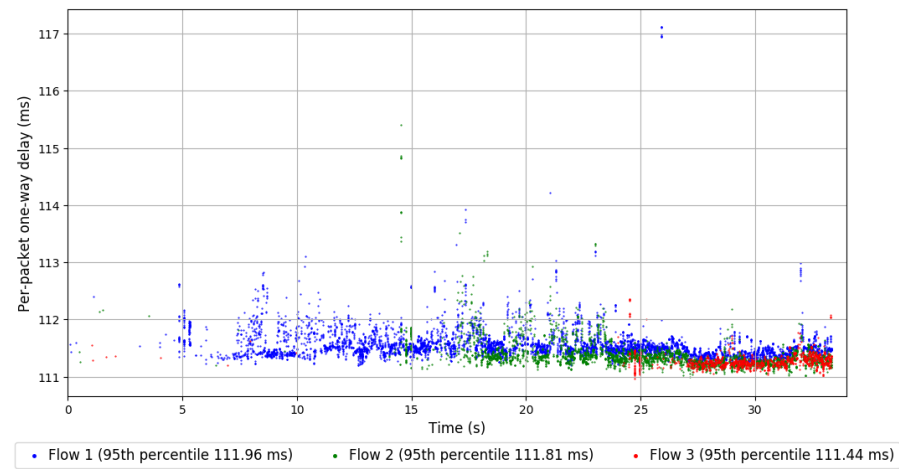
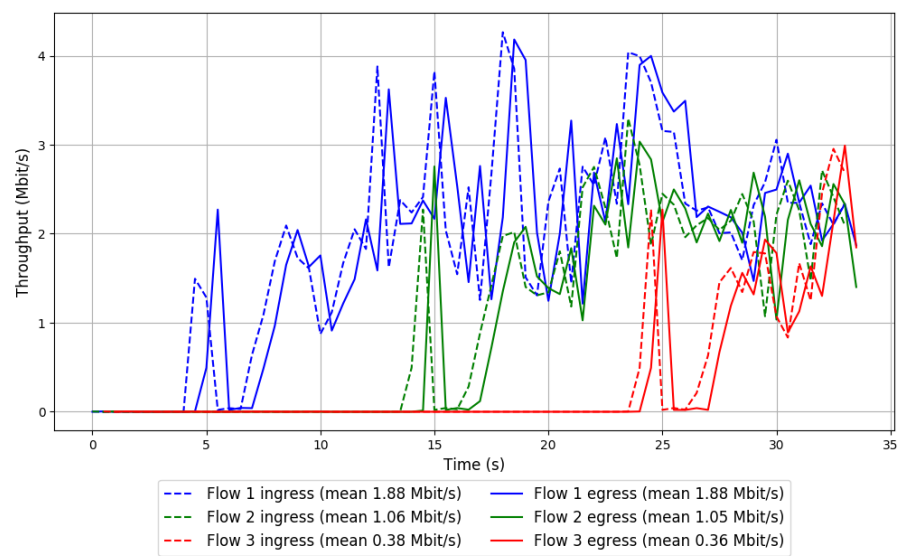


Run 4: Statistics of WebRTC media

Start at: 2018-08-10 17:51:38
End at: 2018-08-10 17:52:08
Local clock offset: 0.029 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-08-10 23:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 111.903 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 111.963 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 111.810 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 111.445 ms
Loss rate: 5.46%

Run 4: Report of WebRTC media — Data Link

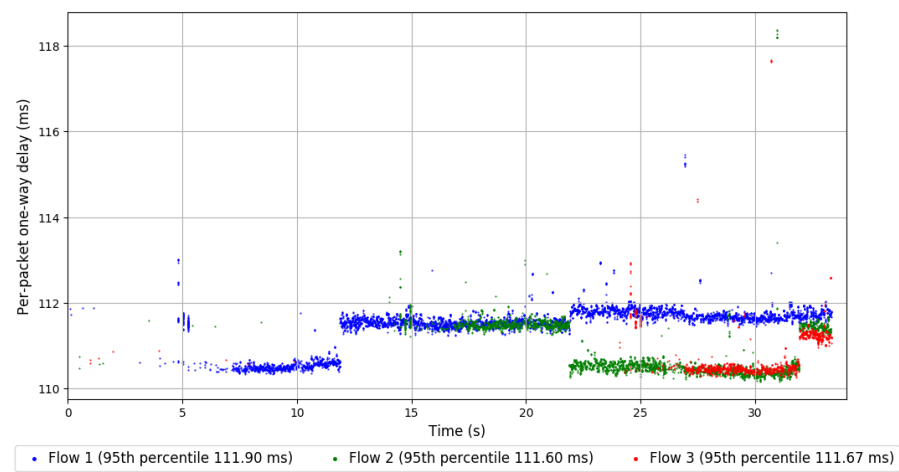
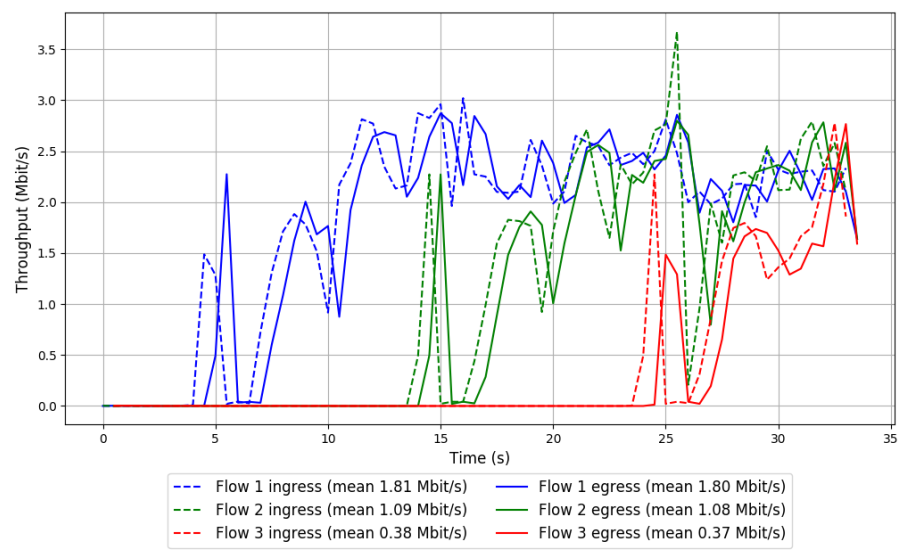


Run 5: Statistics of WebRTC media

Start at: 2018-08-10 18:17:54
End at: 2018-08-10 18:18:24
Local clock offset: -0.082 ms
Remote clock offset: -3.267 ms

Below is generated by plot.py at 2018-08-10 23:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 111.861 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 111.897 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 111.601 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 111.669 ms
Loss rate: 3.19%

Run 5: Report of WebRTC media — Data Link

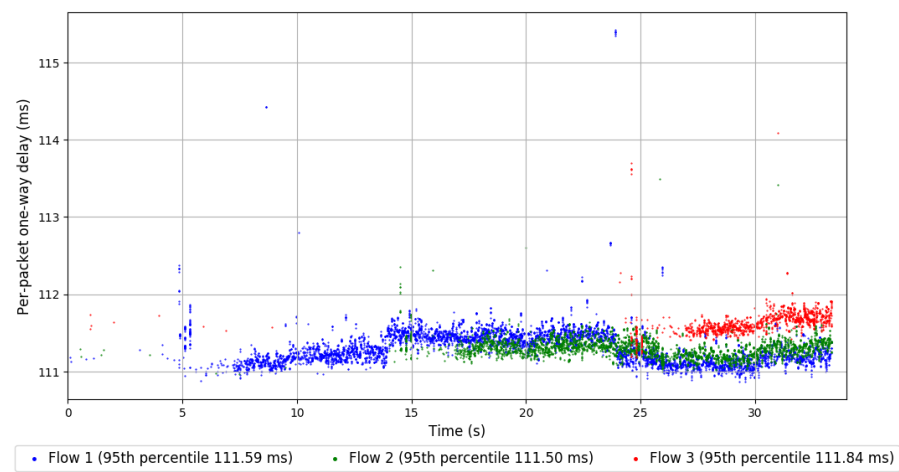
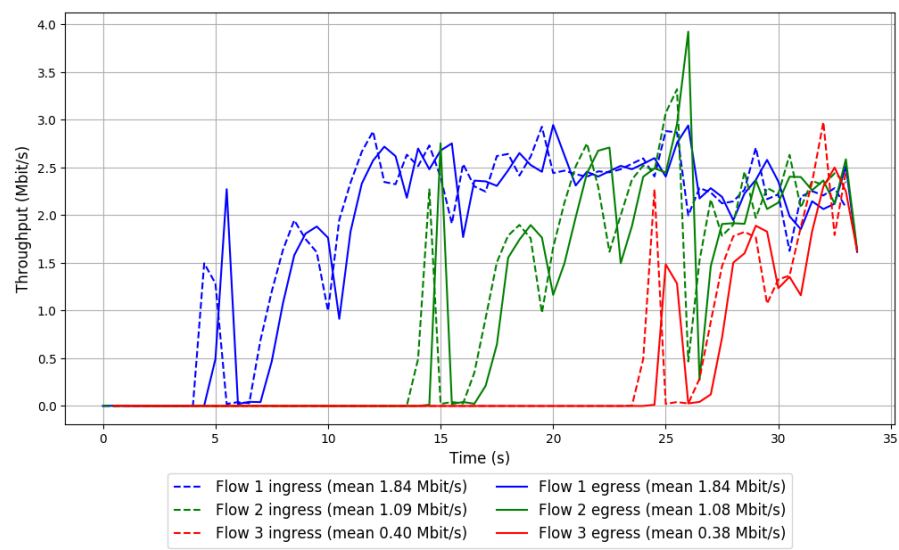


Run 6: Statistics of WebRTC media

Start at: 2018-08-10 18:45:12
End at: 2018-08-10 18:45:42
Local clock offset: 0.052 ms
Remote clock offset: -3.598 ms

Below is generated by plot.py at 2018-08-10 23:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 111.681 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 111.595 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 111.497 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 111.840 ms
Loss rate: 5.02%

Run 6: Report of WebRTC media — Data Link

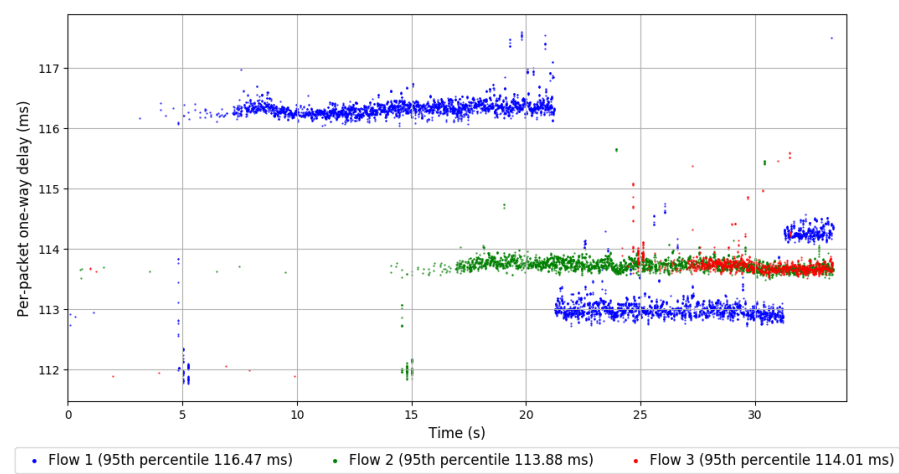
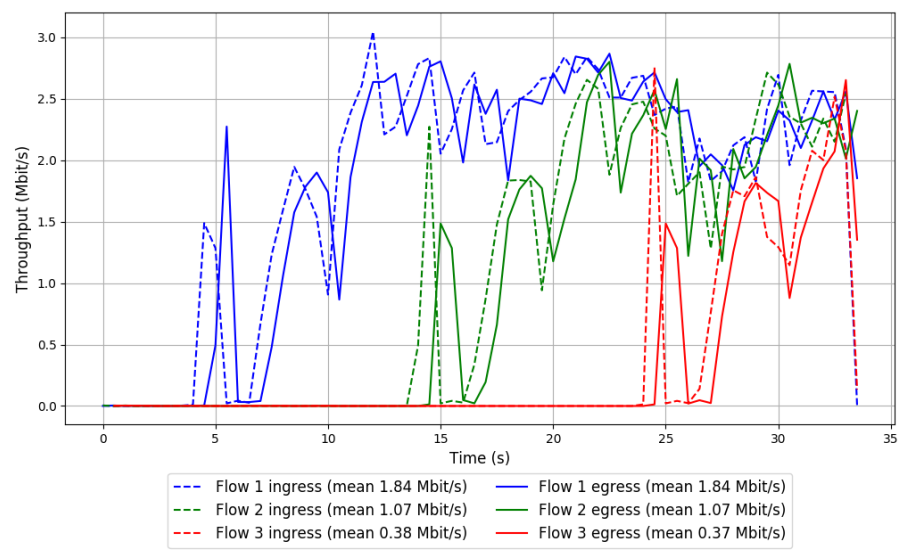


Run 7: Statistics of WebRTC media

Start at: 2018-08-10 19:12:25
End at: 2018-08-10 19:12:55
Local clock offset: 2.784 ms
Remote clock offset: -3.302 ms

Below is generated by plot.py at 2018-08-10 23:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 116.425 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 116.469 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 113.881 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 114.007 ms
Loss rate: 4.84%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-10 19:40:46

End at: 2018-08-10 19:41:16

Local clock offset: 2.703 ms

Remote clock offset: -2.52 ms

Below is generated by plot.py at 2018-08-10 23:53:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 114.515 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 114.460 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 114.572 ms

Loss rate: 1.38%

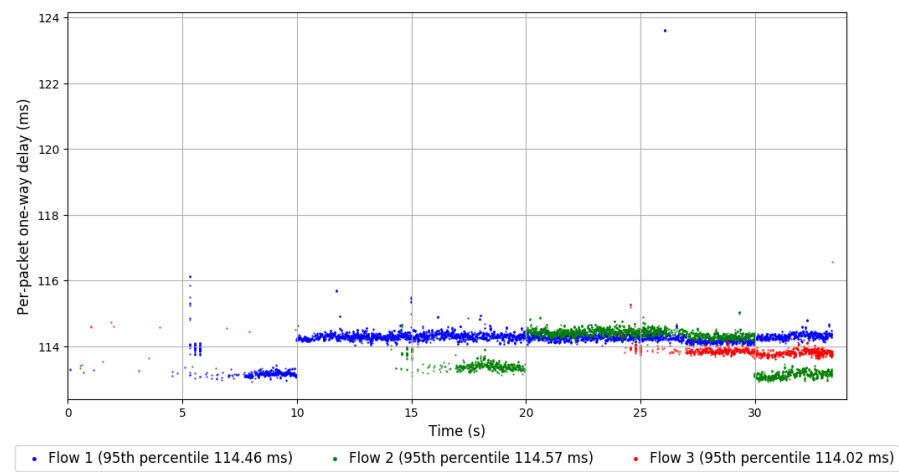
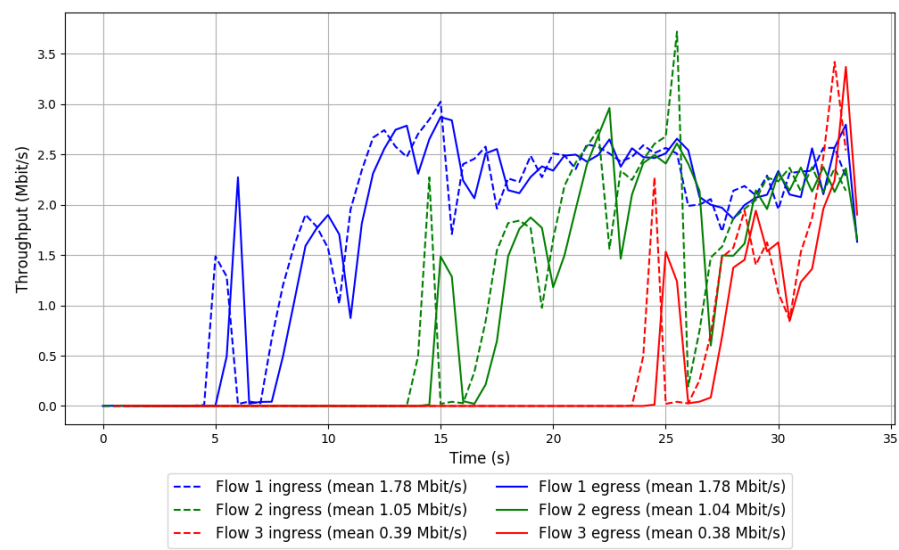
-- Flow 3:

Average throughput: 0.38 Mbit/s

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

Loss rate: 4.66%

Run 8: Report of WebRTC media — Data Link

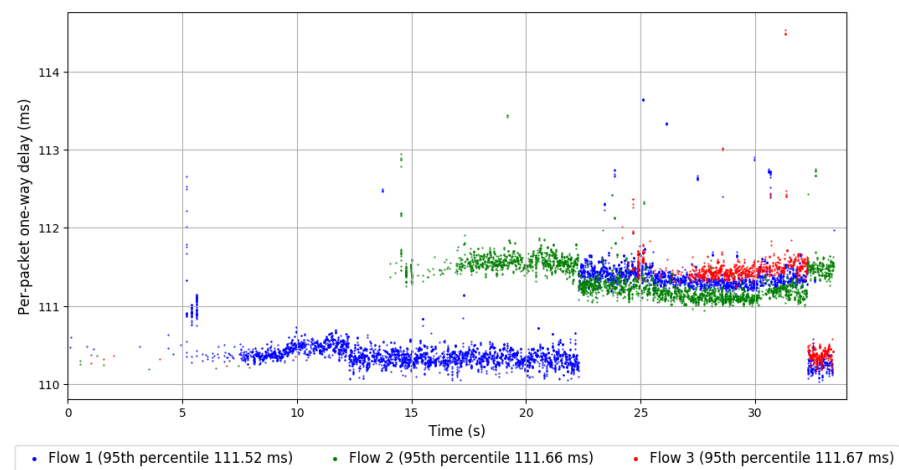
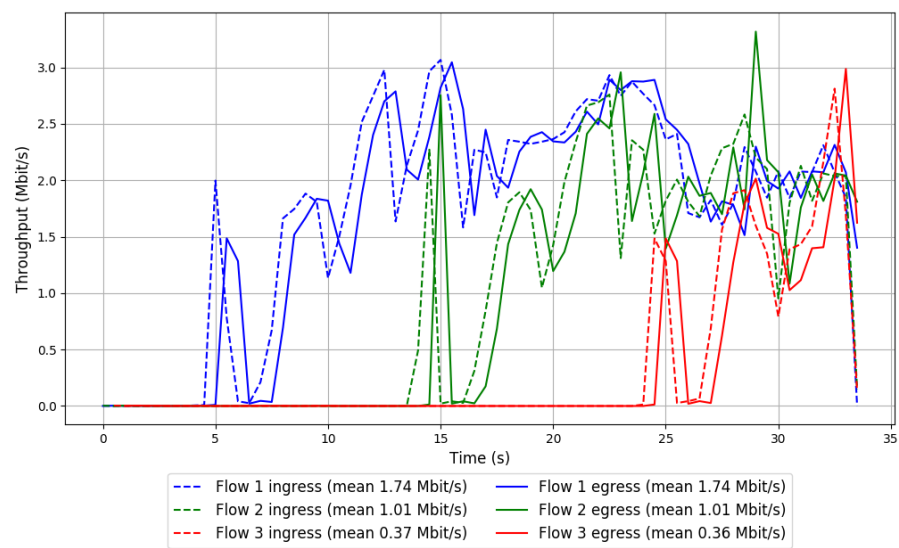


Run 9: Statistics of WebRTC media

Start at: 2018-08-10 20:08:04
End at: 2018-08-10 20:08:34
Local clock offset: -0.102 ms
Remote clock offset: -0.753 ms

Below is generated by plot.py at 2018-08-10 23:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 111.621 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 111.515 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 111.663 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 111.668 ms
Loss rate: 2.80%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-10 20:35:13
End at: 2018-08-10 20:35:43
Local clock offset: -0.174 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-08-10 23:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 111.446 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 110.398 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 111.514 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 111.536 ms
Loss rate: 3.95%

Run 10: Report of WebRTC media — Data Link

