

Pantheon Report

Generated at 2018-08-11 14:26:39 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

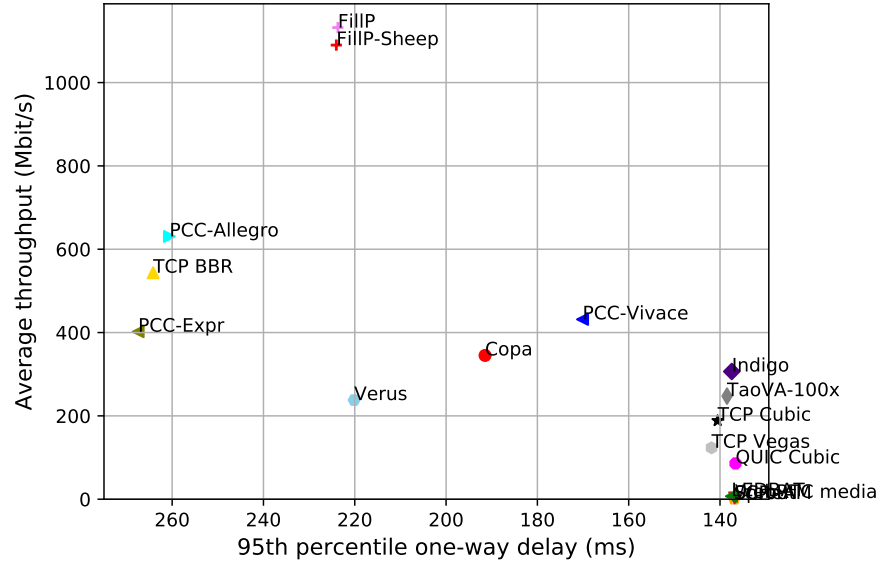
System info:

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

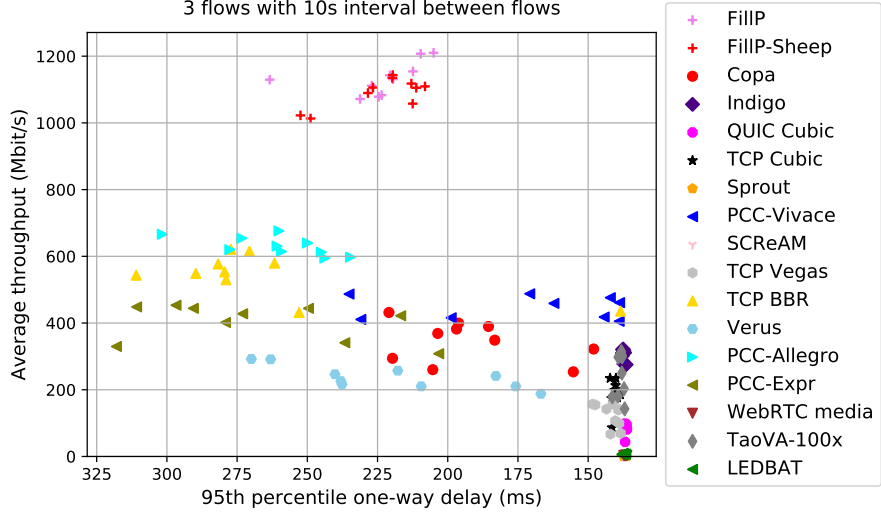
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



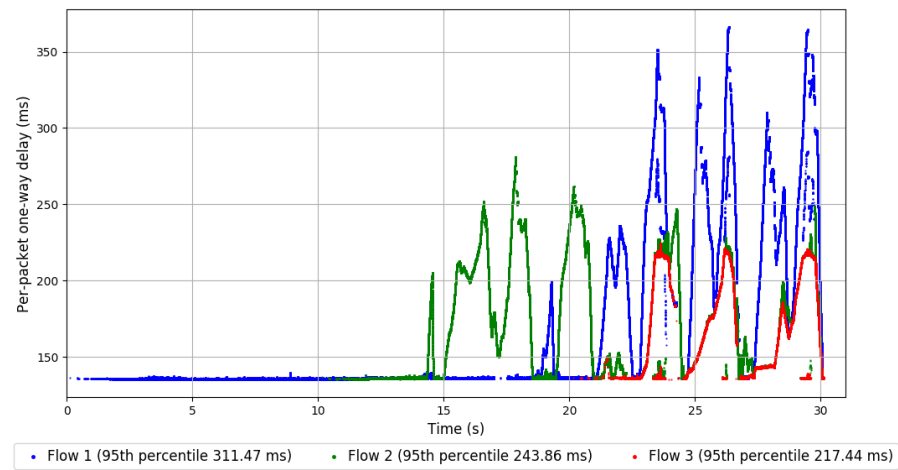
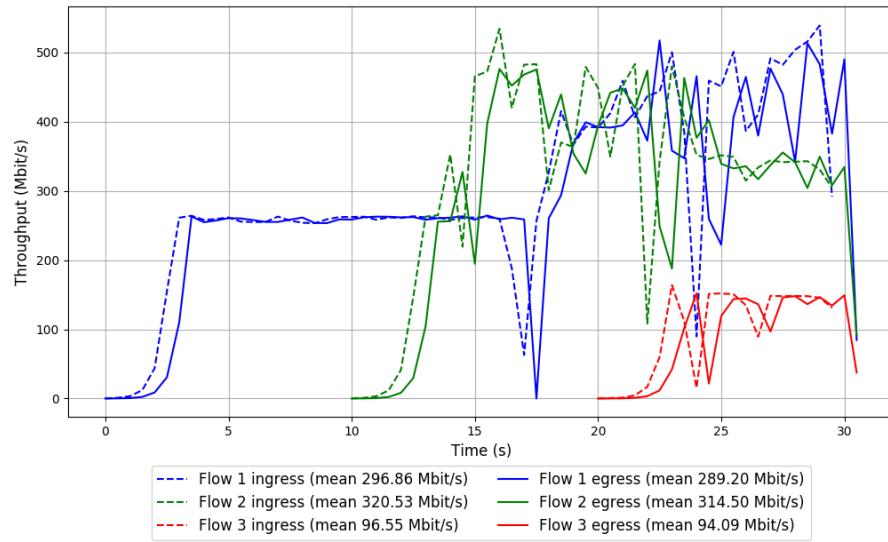
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	322.09	281.11	104.39	262.00	259.01	222.72	3.69	2.76	3.40
Copa	10	186.00	164.43	149.60	168.33	183.40	199.22	0.06	0.24	0.48
TCP Cubic	10	101.51	104.38	52.24	140.84	141.13	140.08	0.00	0.00	0.19
FillP	10	635.36	543.34	408.00	220.21	228.06	201.28	4.31	3.79	0.82
FillP-Sheep	10	601.81	519.77	429.42	220.29	223.23	201.90	3.62	2.14	1.15
Indigo	10	159.31	159.22	131.28	137.10	137.79	138.53	0.00	0.00	0.00
LEDBAT	10	4.68	2.94	1.44	137.57	137.36	137.16	0.00	0.00	0.00
PCC-Allegro	10	454.56	237.99	54.62	268.61	228.41	221.85	5.11	3.95	4.37
PCC-Expr	10	244.56	173.64	127.04	262.30	231.73	207.59	3.26	0.32	0.68
QUIC Cubic	10	43.24	45.80	38.01	136.10	136.41	136.16	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	136.89	136.83	136.47	0.00	0.00	0.00
Sprout	10	0.16	0.16	0.20	136.79	136.81	136.83	0.00	0.00	0.00
TaoVA-100x	10	128.17	138.31	81.78	137.44	138.34	140.22	0.00	0.00	0.00
TCP Vegas	10	70.91	58.54	40.73	141.46	140.17	147.61	0.00	0.00	0.09
Verus	10	162.51	91.68	47.97	207.45	233.45	157.68	1.20	2.36	0.03
PCC-Vivace	10	267.00	183.34	130.58	169.47	146.68	178.78	0.14	0.00	0.13
WebRTC media	10	1.78	1.01	0.32	136.61	136.68	136.80	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-11 06:55:27
End at: 2018-08-11 06:55:57
Local clock offset: 0.198 ms
Remote clock offset: -0.504 ms

Below is generated by plot.py at 2018-08-11 11:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.93 Mbit/s
95th percentile per-packet one-way delay: 278.939 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 289.20 Mbit/s
95th percentile per-packet one-way delay: 311.467 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 314.50 Mbit/s
95th percentile per-packet one-way delay: 243.857 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 217.445 ms
Loss rate: 2.55%

Run 1: Report of TCP BBR — Data Link

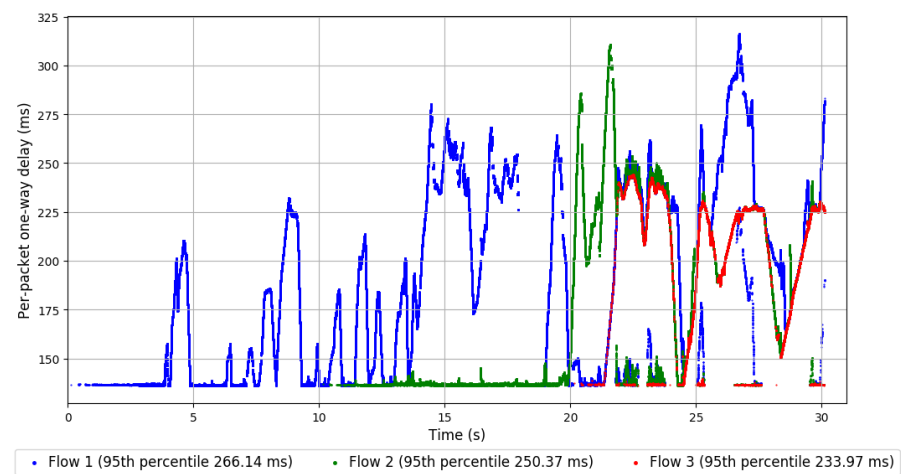
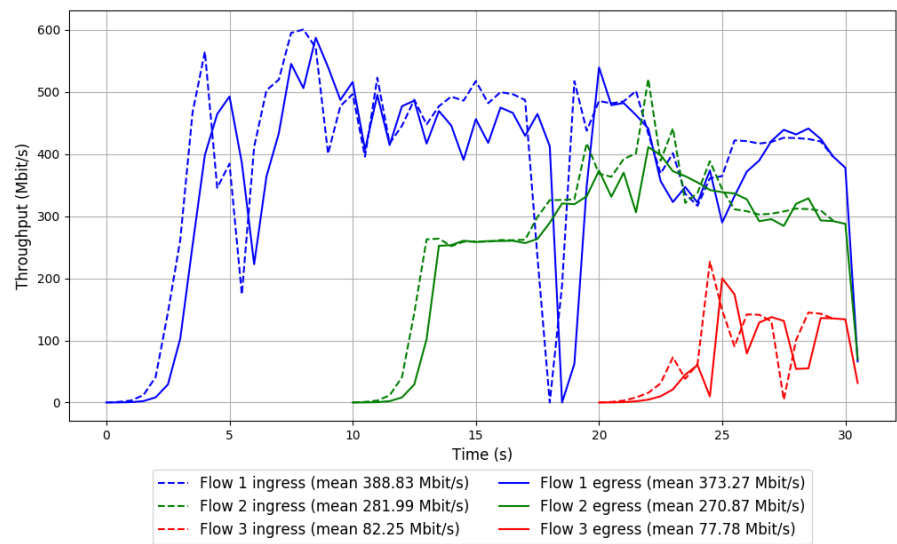


Run 2: Statistics of TCP BBR

Start at: 2018-08-11 07:23:47
End at: 2018-08-11 07:24:17
Local clock offset: 0.017 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-08-11 11:48:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 579.55 Mbit/s
95th percentile per-packet one-way delay: 261.676 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 373.27 Mbit/s
95th percentile per-packet one-way delay: 266.145 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 270.87 Mbit/s
95th percentile per-packet one-way delay: 250.372 ms
Loss rate: 3.95%
-- Flow 3:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 233.972 ms
Loss rate: 5.44%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-11 07:52:12

End at: 2018-08-11 07:52:42

Local clock offset: -0.013 ms

Remote clock offset: -0.6 ms

Below is generated by plot.py at 2018-08-11 11:48:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 548.65 Mbit/s

95th percentile per-packet one-way delay: 289.701 ms

Loss rate: 6.64%

-- Flow 1:

Average throughput: 367.19 Mbit/s

95th percentile per-packet one-way delay: 298.931 ms

Loss rate: 8.62%

-- Flow 2:

Average throughput: 224.95 Mbit/s

95th percentile per-packet one-way delay: 260.814 ms

Loss rate: 2.52%

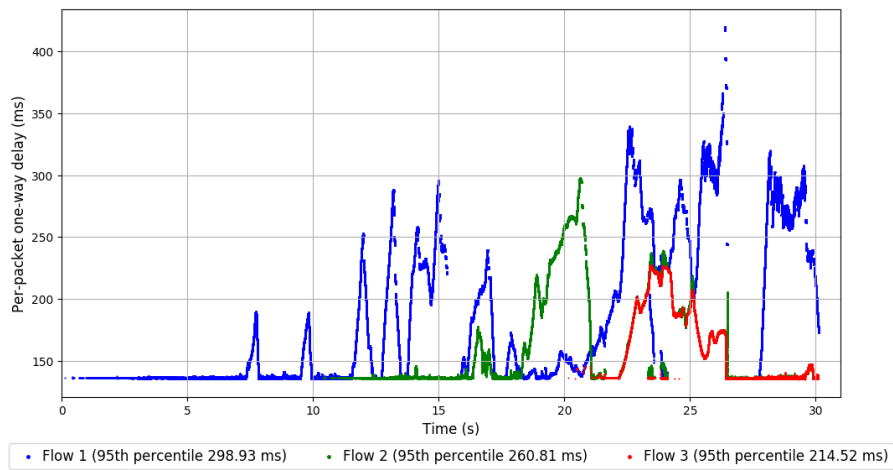
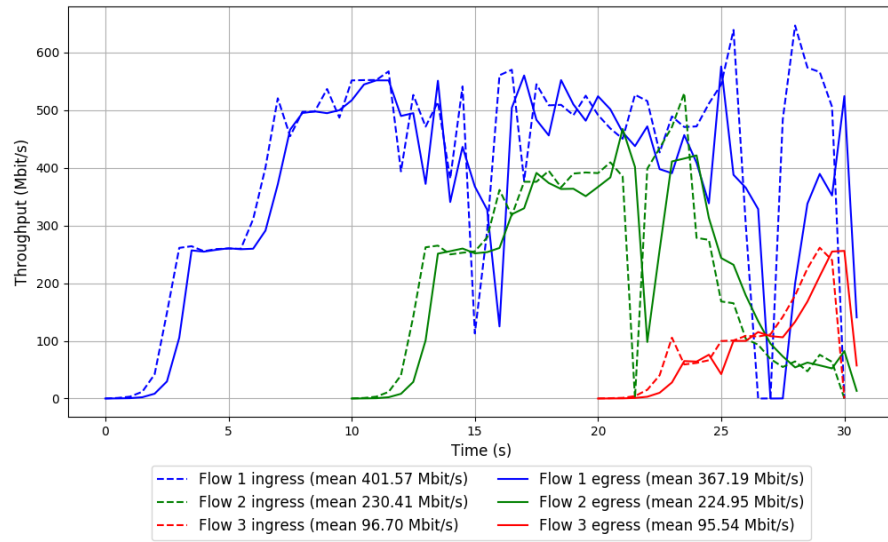
-- Flow 3:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 214.521 ms

Loss rate: 1.51%

Run 3: Report of TCP BBR — Data Link

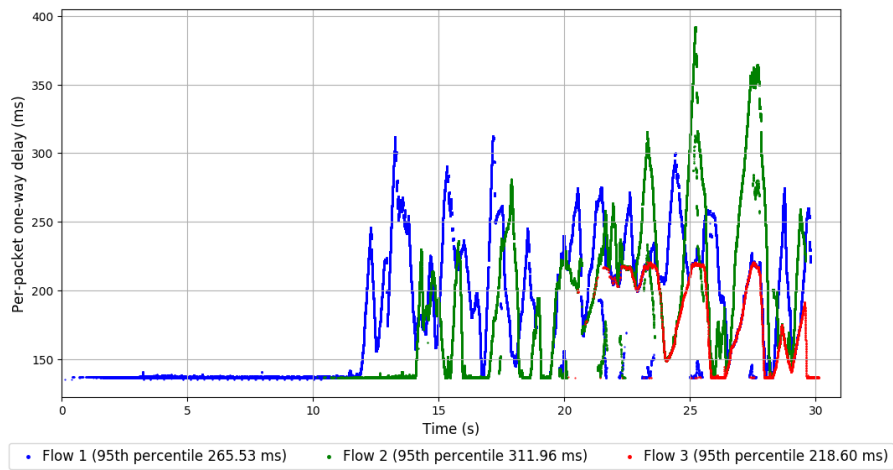
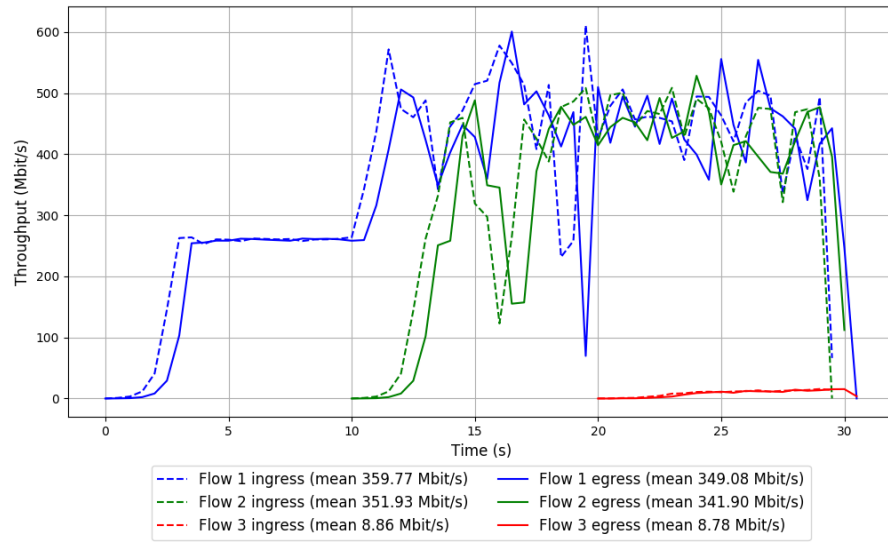


Run 4: Statistics of TCP BBR

Start at: 2018-08-11 08:20:35
End at: 2018-08-11 08:21:05
Local clock offset: -0.052 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-08-11 11:48:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 576.90 Mbit/s
95th percentile per-packet one-way delay: 281.734 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 349.08 Mbit/s
95th percentile per-packet one-way delay: 265.526 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 341.90 Mbit/s
95th percentile per-packet one-way delay: 311.958 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 8.78 Mbit/s
95th percentile per-packet one-way delay: 218.596 ms
Loss rate: 0.90%

Run 4: Report of TCP BBR — Data Link

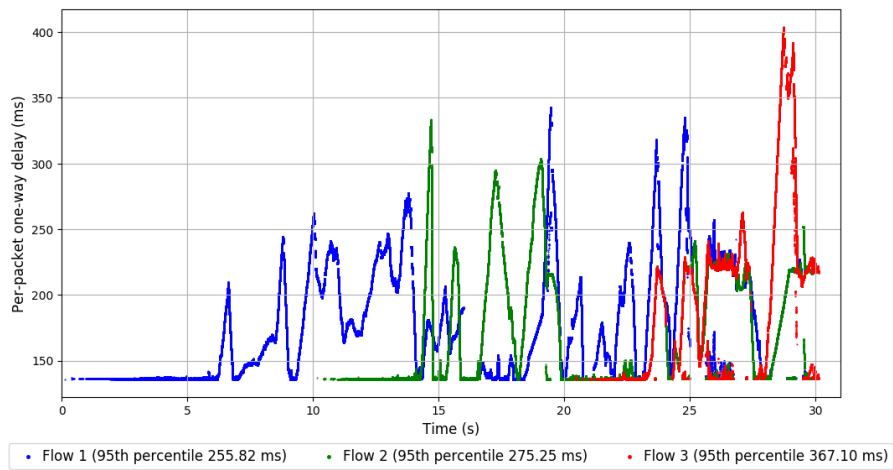
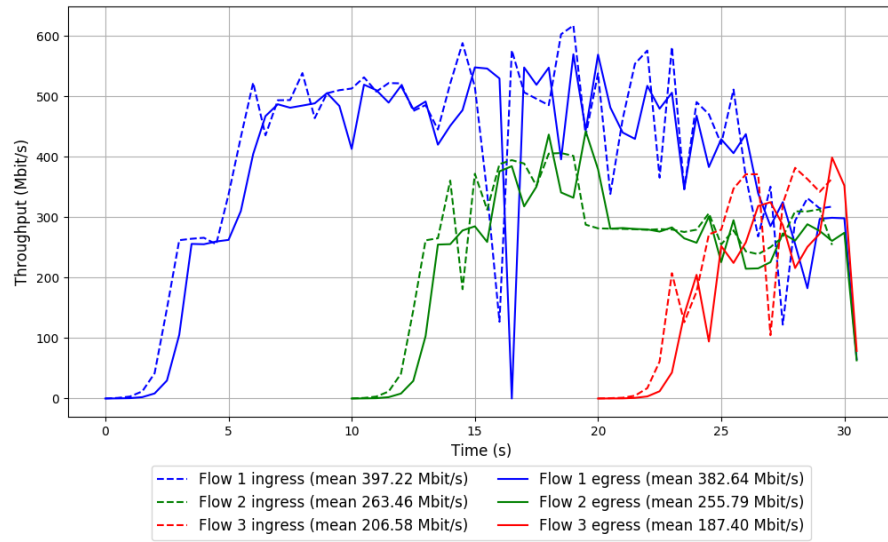


Run 5: Statistics of TCP BBR

Start at: 2018-08-11 08:48:46
End at: 2018-08-11 08:49:16
Local clock offset: 0.075 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-08-11 11:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 615.26 Mbit/s
95th percentile per-packet one-way delay: 270.597 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 382.64 Mbit/s
95th percentile per-packet one-way delay: 255.821 ms
Loss rate: 3.67%
-- Flow 2:
Average throughput: 255.79 Mbit/s
95th percentile per-packet one-way delay: 275.245 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 187.40 Mbit/s
95th percentile per-packet one-way delay: 367.099 ms
Loss rate: 9.27%

Run 5: Report of TCP BBR — Data Link

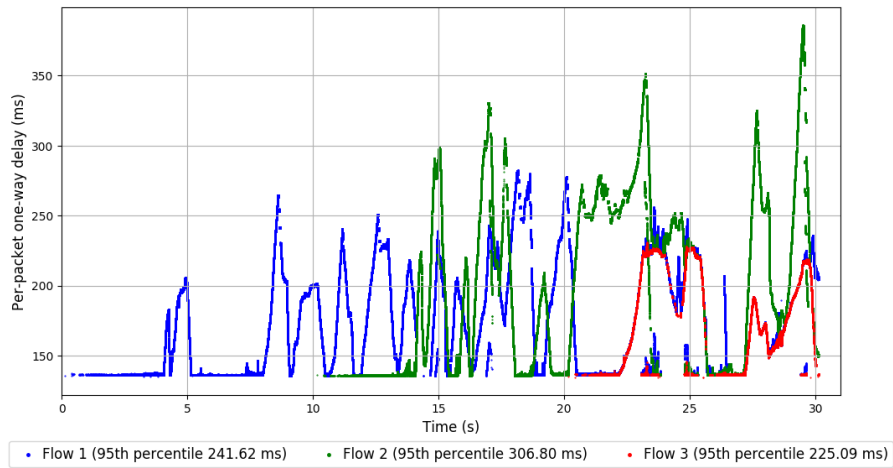
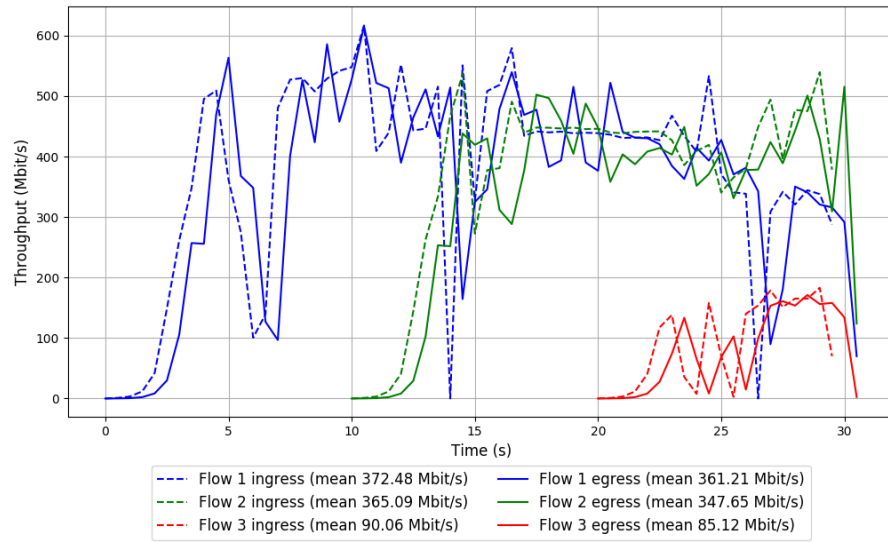


Run 6: Statistics of TCP BBR

Start at: 2018-08-11 09:16:51
End at: 2018-08-11 09:17:21
Local clock offset: -0.03 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-08-11 11:49:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 621.08 Mbit/s
95th percentile per-packet one-way delay: 277.238 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 361.21 Mbit/s
95th percentile per-packet one-way delay: 241.618 ms
Loss rate: 3.02%
-- Flow 2:
Average throughput: 347.65 Mbit/s
95th percentile per-packet one-way delay: 306.796 ms
Loss rate: 4.77%
-- Flow 3:
Average throughput: 85.12 Mbit/s
95th percentile per-packet one-way delay: 225.093 ms
Loss rate: 5.47%

Run 6: Report of TCP BBR — Data Link

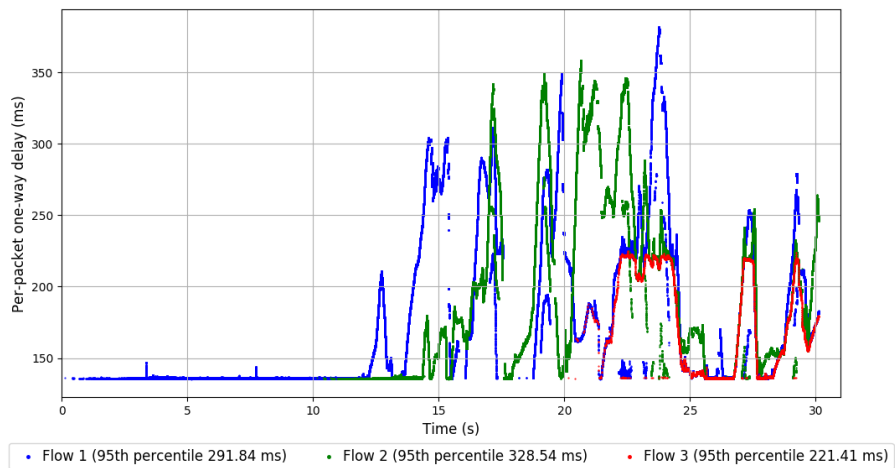
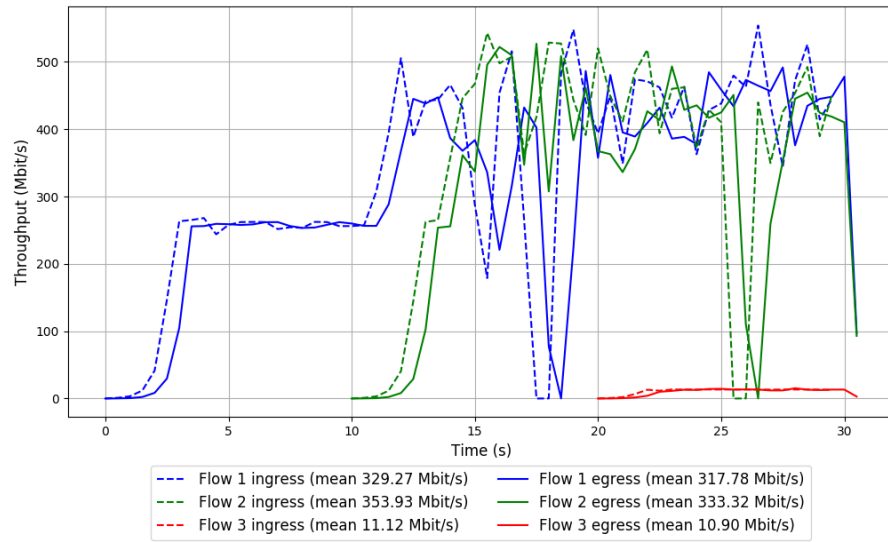


Run 7: Statistics of TCP BBR

Start at: 2018-08-11 09:45:03
End at: 2018-08-11 09:45:33
Local clock offset: 0.043 ms
Remote clock offset: -0.557 ms

Below is generated by plot.py at 2018-08-11 11:49:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 543.41 Mbit/s
95th percentile per-packet one-way delay: 310.928 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 317.78 Mbit/s
95th percentile per-packet one-way delay: 291.838 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 333.32 Mbit/s
95th percentile per-packet one-way delay: 328.540 ms
Loss rate: 5.82%
-- Flow 3:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: 221.409 ms
Loss rate: 1.93%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-11 10:13:00

End at: 2018-08-11 10:13:30

Local clock offset: 0.003 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-08-11 11:49:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 553.39 Mbit/s

95th percentile per-packet one-way delay: 279.429 ms

Loss rate: 3.44%

-- Flow 1:

Average throughput: 326.40 Mbit/s

95th percentile per-packet one-way delay: 292.152 ms

Loss rate: 4.13%

-- Flow 2:

Average throughput: 289.41 Mbit/s

95th percentile per-packet one-way delay: 237.307 ms

Loss rate: 1.57%

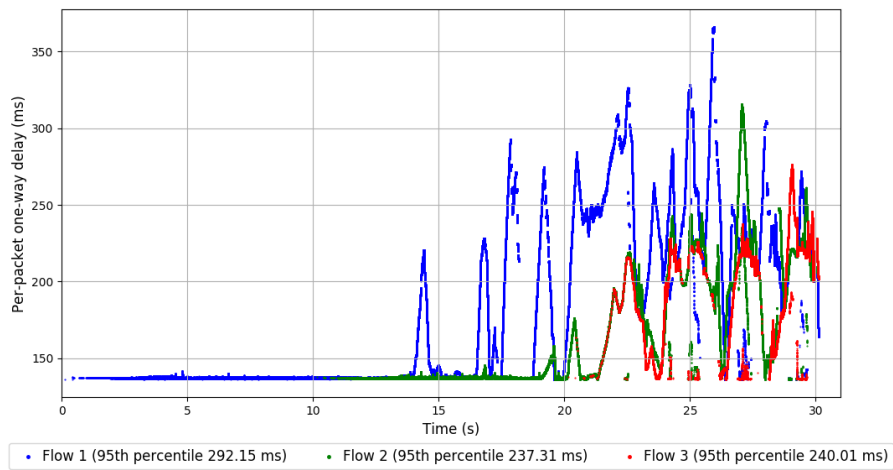
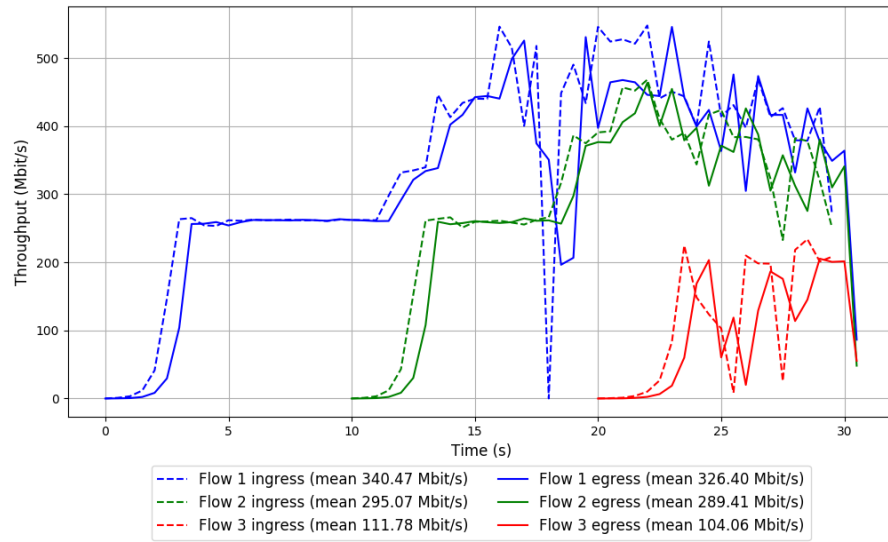
-- Flow 3:

Average throughput: 104.06 Mbit/s

95th percentile per-packet one-way delay: 240.009 ms

Loss rate: 6.90%

Run 8: Report of TCP BBR — Data Link

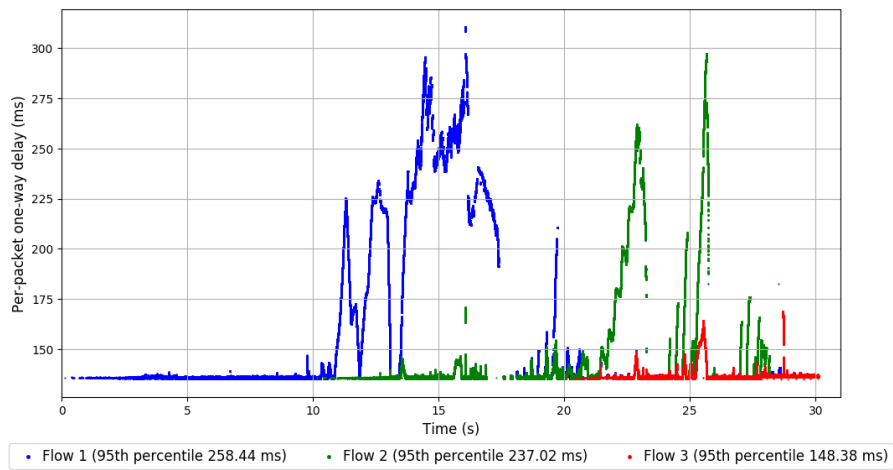
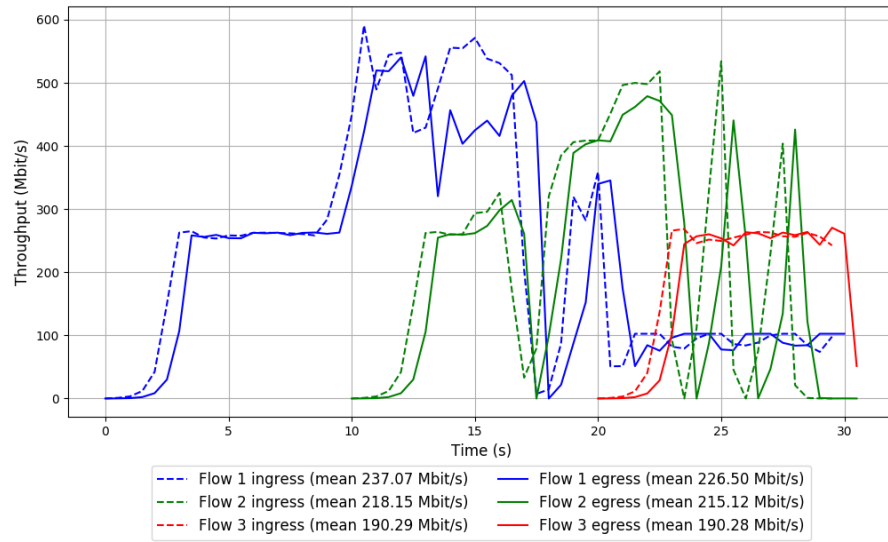


Run 9: Statistics of TCP BBR

Start at: 2018-08-11 10:40:52
End at: 2018-08-11 10:41:22
Local clock offset: -0.013 ms
Remote clock offset: -0.581 ms

Below is generated by plot.py at 2018-08-11 11:54:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.65 Mbit/s
95th percentile per-packet one-way delay: 252.916 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 226.50 Mbit/s
95th percentile per-packet one-way delay: 258.437 ms
Loss rate: 4.46%
-- Flow 2:
Average throughput: 215.12 Mbit/s
95th percentile per-packet one-way delay: 237.020 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 190.28 Mbit/s
95th percentile per-packet one-way delay: 148.379 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

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

End at: 2018-08-11 11:09:18

Local clock offset: 0.033 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-08-11 11:54:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 435.66 Mbit/s

95th percentile per-packet one-way delay: 138.476 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 227.63 Mbit/s

95th percentile per-packet one-way delay: 138.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 217.61 Mbit/s

95th percentile per-packet one-way delay: 138.208 ms

Loss rate: 0.00%

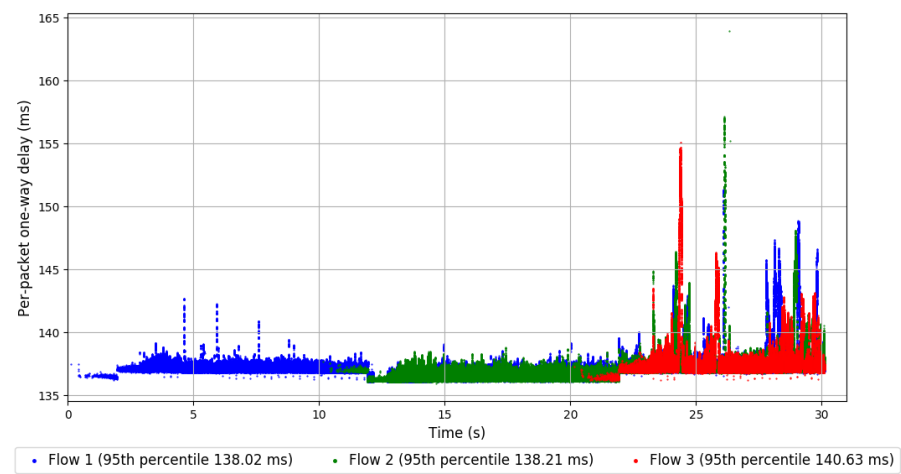
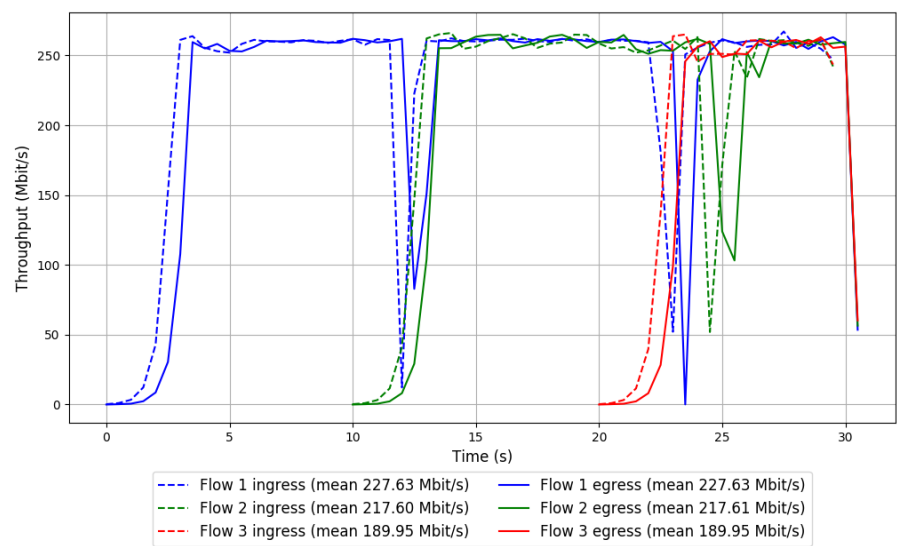
-- Flow 3:

Average throughput: 189.95 Mbit/s

95th percentile per-packet one-way delay: 140.627 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-11 06:46:45

End at: 2018-08-11 06:47:15

Local clock offset: -0.018 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-08-11 11:59:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.03 Mbit/s

95th percentile per-packet one-way delay: 196.875 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 191.36 Mbit/s

95th percentile per-packet one-way delay: 165.407 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 223.29 Mbit/s

95th percentile per-packet one-way delay: 186.017 ms

Loss rate: 0.00%

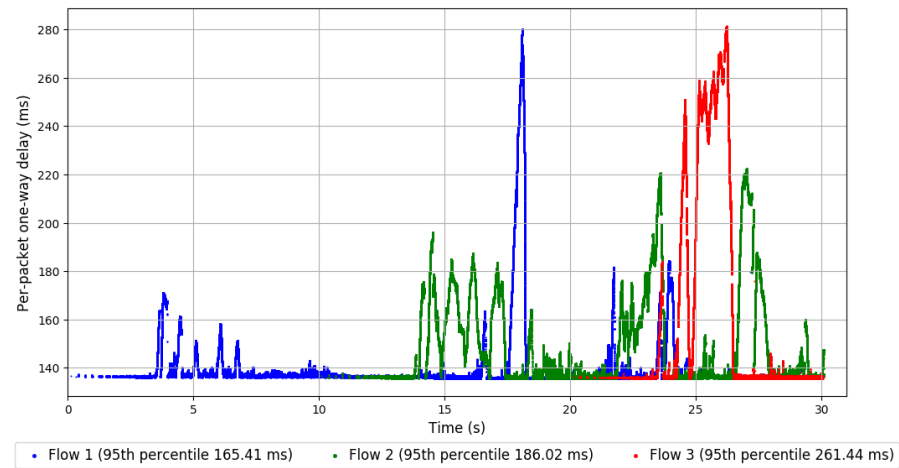
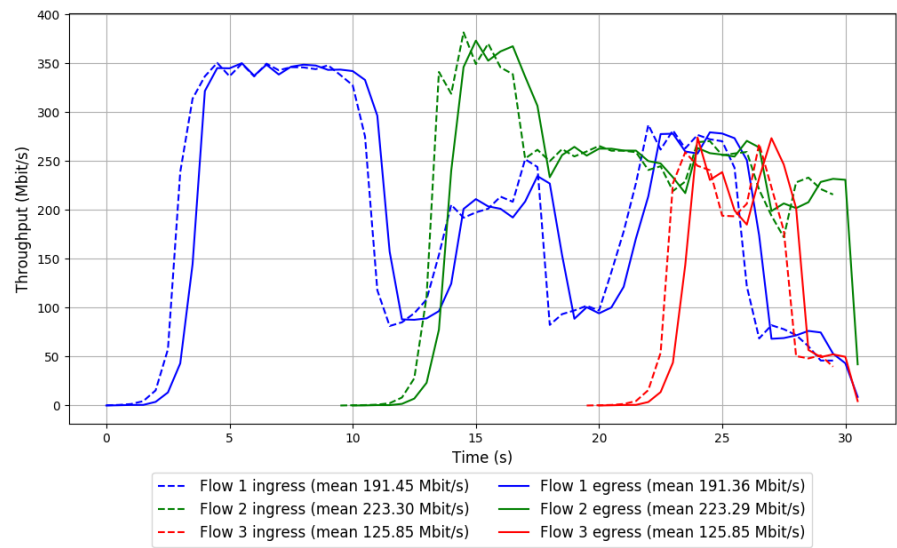
-- Flow 3:

Average throughput: 125.85 Mbit/s

95th percentile per-packet one-way delay: 261.443 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

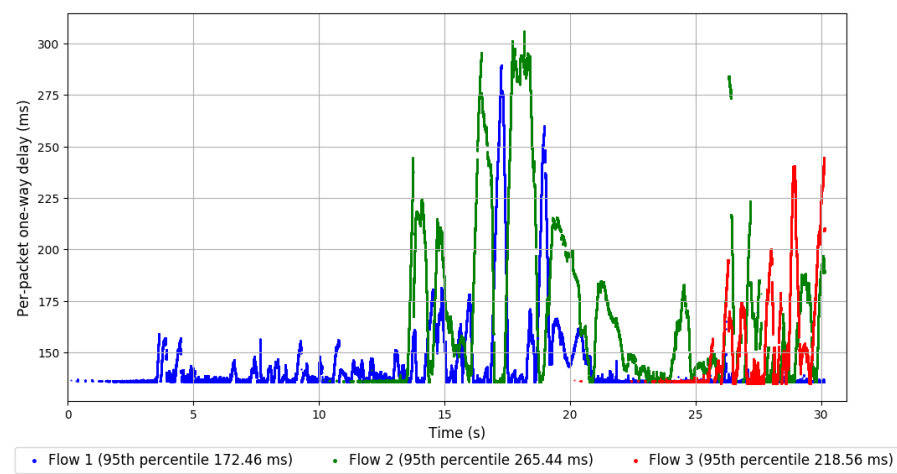
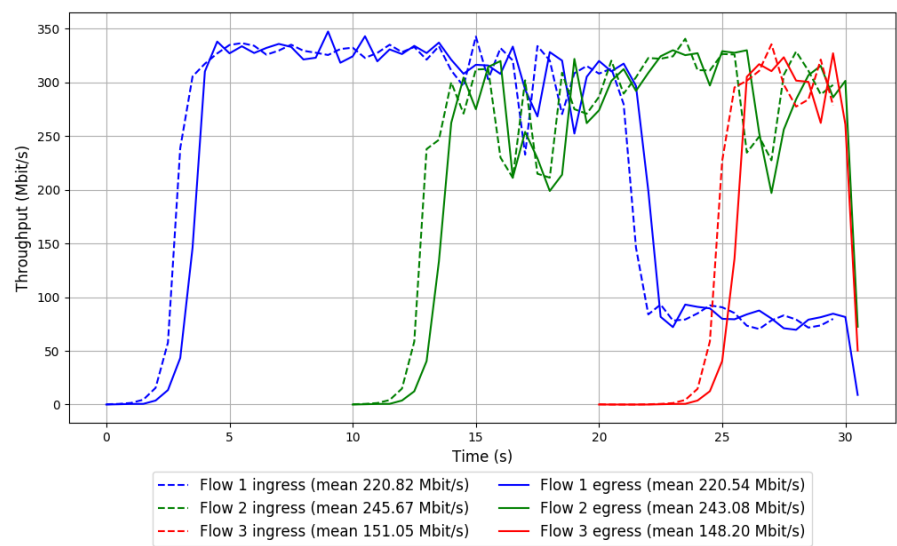


Run 2: Statistics of Copa

Start at: 2018-08-11 07:15:04
End at: 2018-08-11 07:15:34
Local clock offset: 0.029 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2018-08-11 12:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.66 Mbit/s
95th percentile per-packet one-way delay: 220.942 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 220.54 Mbit/s
95th percentile per-packet one-way delay: 172.464 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 243.08 Mbit/s
95th percentile per-packet one-way delay: 265.439 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 148.20 Mbit/s
95th percentile per-packet one-way delay: 218.565 ms
Loss rate: 1.88%

Run 2: Report of Copa — Data Link

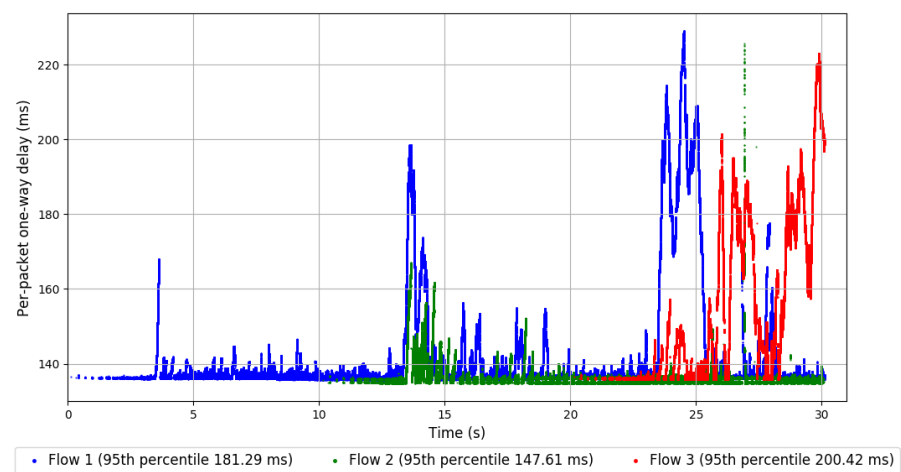
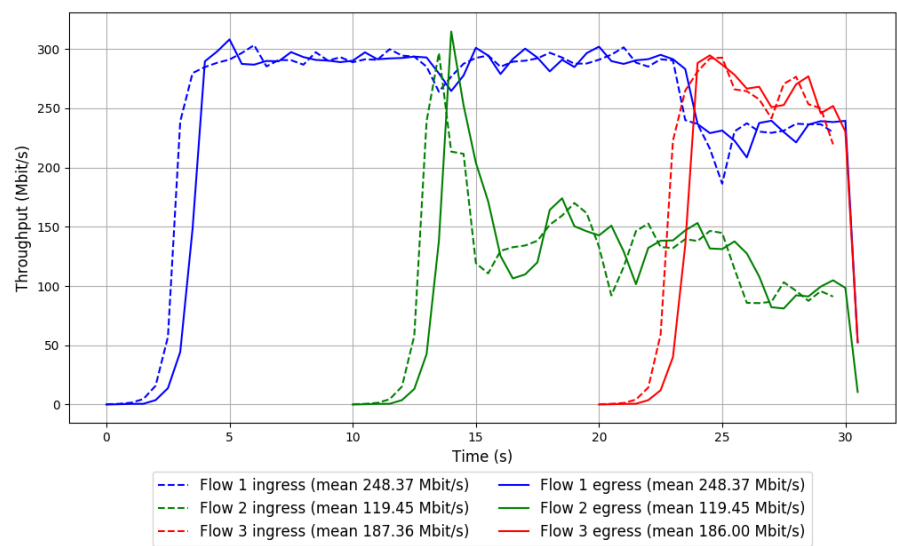


Run 3: Statistics of Copa

Start at: 2018-08-11 07:43:21
End at: 2018-08-11 07:43:51
Local clock offset: 0.036 ms
Remote clock offset: -0.606 ms

Below is generated by plot.py at 2018-08-11 12:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.63 Mbit/s
95th percentile per-packet one-way delay: 185.492 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 248.37 Mbit/s
95th percentile per-packet one-way delay: 181.292 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.45 Mbit/s
95th percentile per-packet one-way delay: 147.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 186.00 Mbit/s
95th percentile per-packet one-way delay: 200.424 ms
Loss rate: 0.72%

Run 3: Report of Copa — Data Link

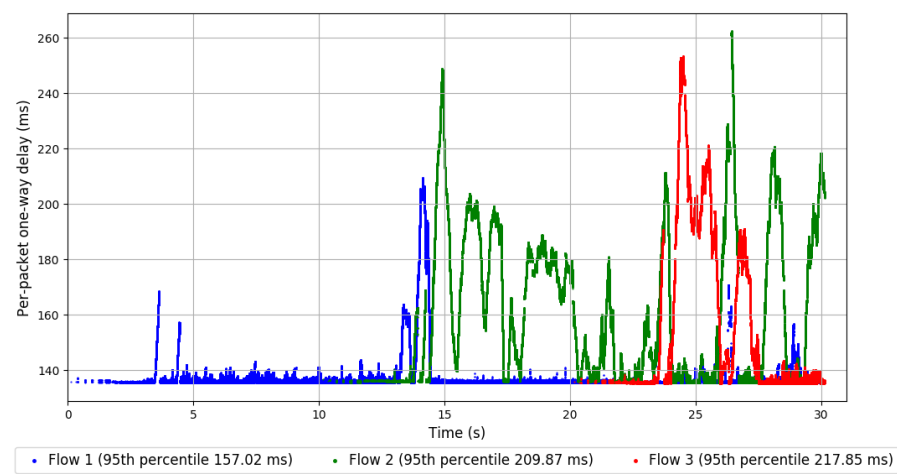
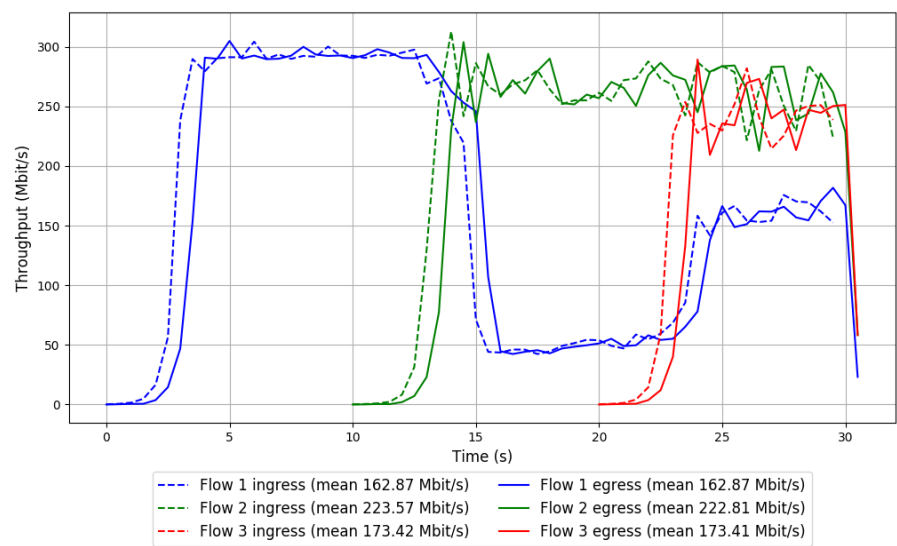


Run 4: Statistics of Copa

Start at: 2018-08-11 08:11:58
End at: 2018-08-11 08:12:28
Local clock offset: 0.162 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-08-11 12:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.86 Mbit/s
95th percentile per-packet one-way delay: 203.551 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 162.87 Mbit/s
95th percentile per-packet one-way delay: 157.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 222.81 Mbit/s
95th percentile per-packet one-way delay: 209.872 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 173.41 Mbit/s
95th percentile per-packet one-way delay: 217.846 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

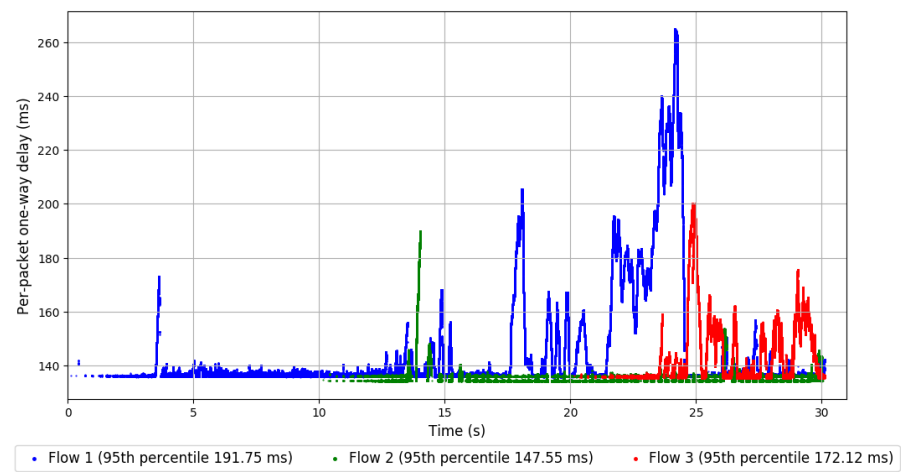
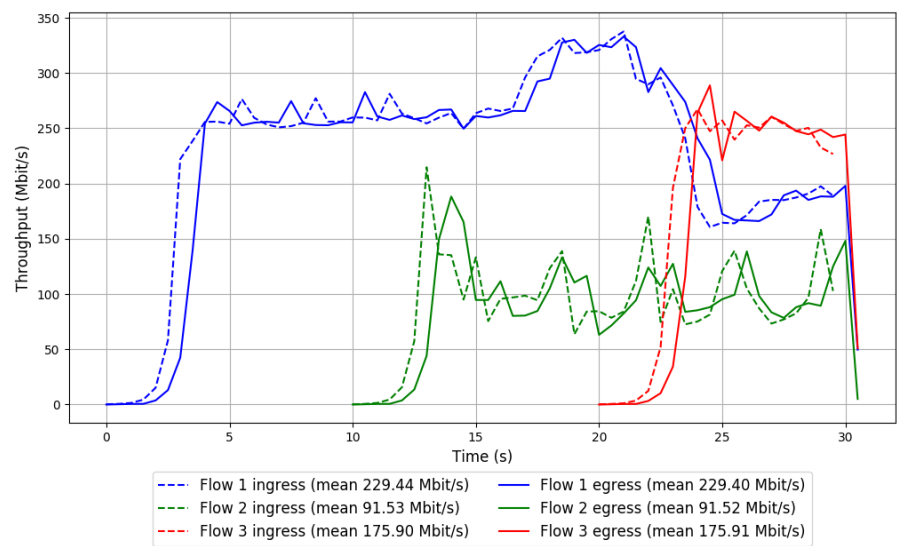


Run 5: Statistics of Copa

Start at: 2018-08-11 08:40:04
End at: 2018-08-11 08:40:34
Local clock offset: 0.23 ms
Remote clock offset: -0.287 ms

```
# Below is generated by plot.py at 2018-08-11 12:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 348.62 Mbit/s
95th percentile per-packet one-way delay: 183.265 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 229.40 Mbit/s
95th percentile per-packet one-way delay: 191.751 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 147.551 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.91 Mbit/s
95th percentile per-packet one-way delay: 172.118 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

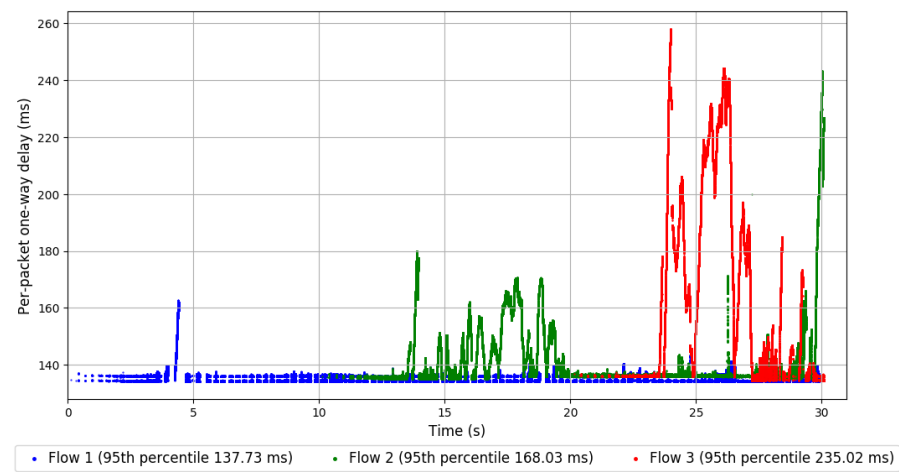
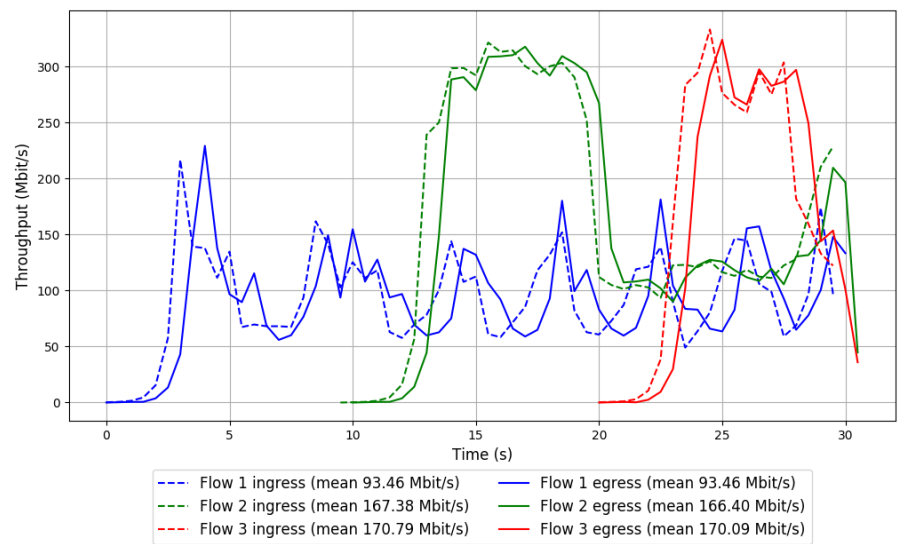


Run 6: Statistics of Copa

Start at: 2018-08-11 09:08:21
End at: 2018-08-11 09:08:51
Local clock offset: -0.099 ms
Remote clock offset: -0.593 ms

Below is generated by plot.py at 2018-08-11 12:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.15 Mbit/s
95th percentile per-packet one-way delay: 205.327 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 137.733 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.40 Mbit/s
95th percentile per-packet one-way delay: 168.028 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 170.09 Mbit/s
95th percentile per-packet one-way delay: 235.019 ms
Loss rate: 0.42%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-11 09:36:24

End at: 2018-08-11 09:36:54

Local clock offset: -0.027 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-08-11 12:04:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.29 Mbit/s

95th percentile per-packet one-way delay: 219.668 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 166.10 Mbit/s

95th percentile per-packet one-way delay: 222.987 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 135.94 Mbit/s

95th percentile per-packet one-way delay: 180.241 ms

Loss rate: 0.26%

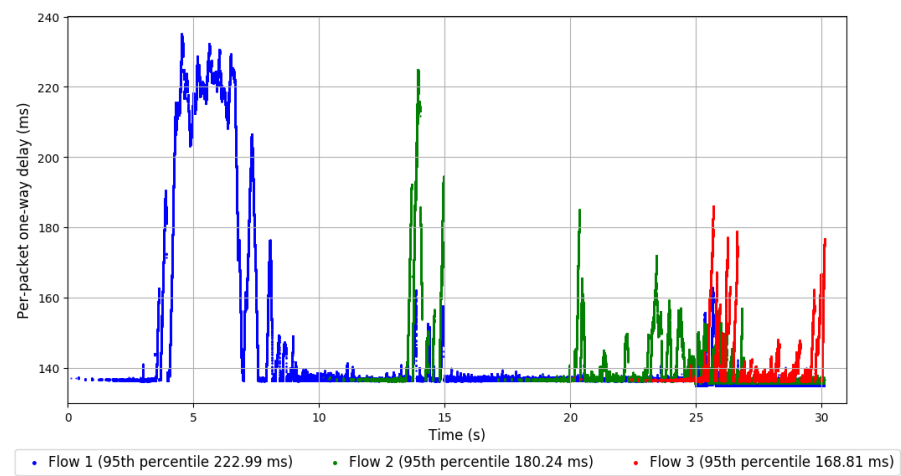
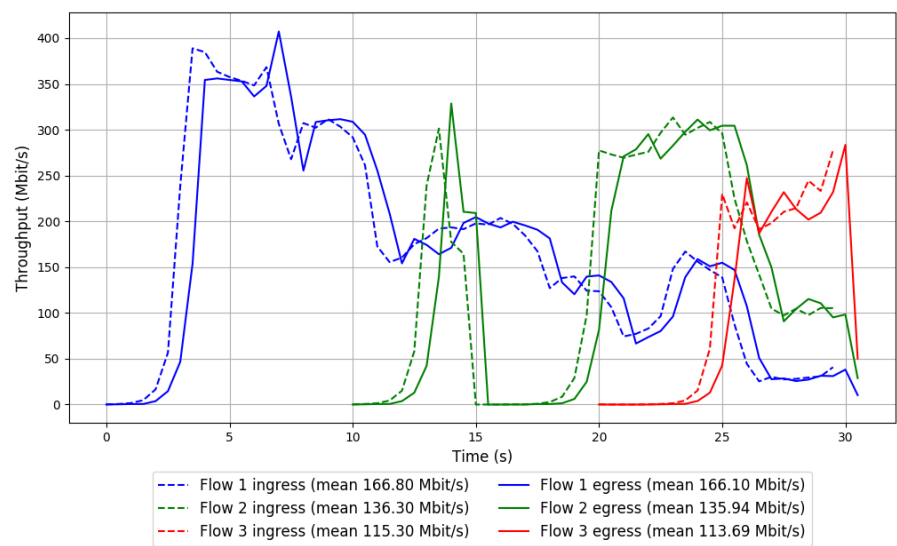
-- Flow 3:

Average throughput: 113.69 Mbit/s

95th percentile per-packet one-way delay: 168.810 ms

Loss rate: 1.40%

Run 7: Report of Copa — Data Link

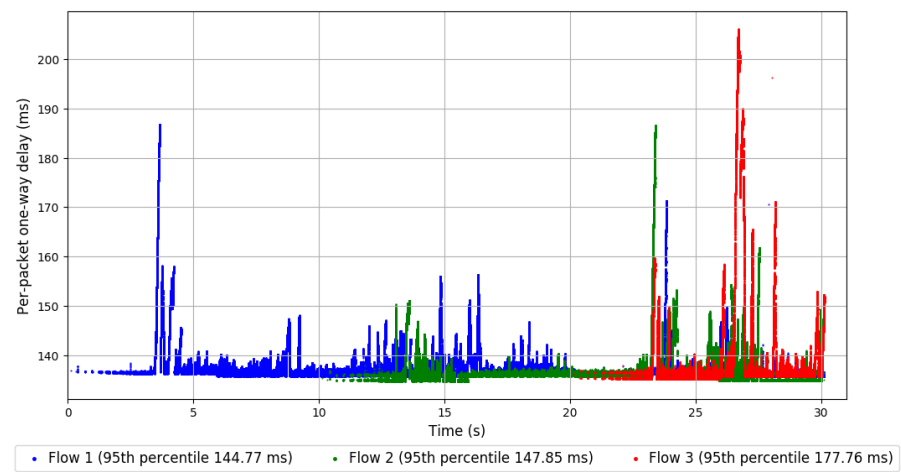
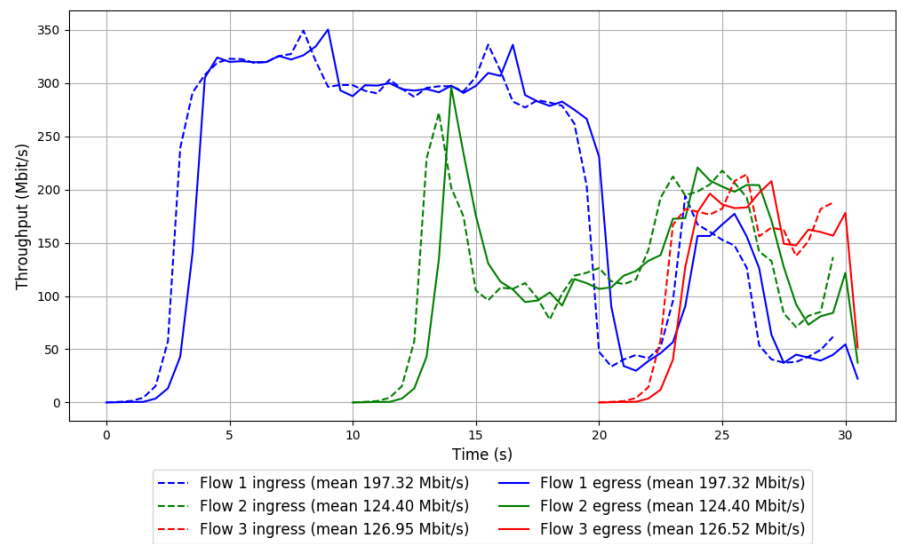


Run 8: Statistics of Copa

Start at: 2018-08-11 10:04:23
End at: 2018-08-11 10:04:53
Local clock offset: 0.139 ms
Remote clock offset: -0.122 ms

```
# Below is generated by plot.py at 2018-08-11 12:05:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 322.12 Mbit/s
95th percentile per-packet one-way delay: 148.073 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 197.32 Mbit/s
95th percentile per-packet one-way delay: 144.768 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.40 Mbit/s
95th percentile per-packet one-way delay: 147.851 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.52 Mbit/s
95th percentile per-packet one-way delay: 177.760 ms
Loss rate: 0.31%
```

Run 8: Report of Copa — Data Link

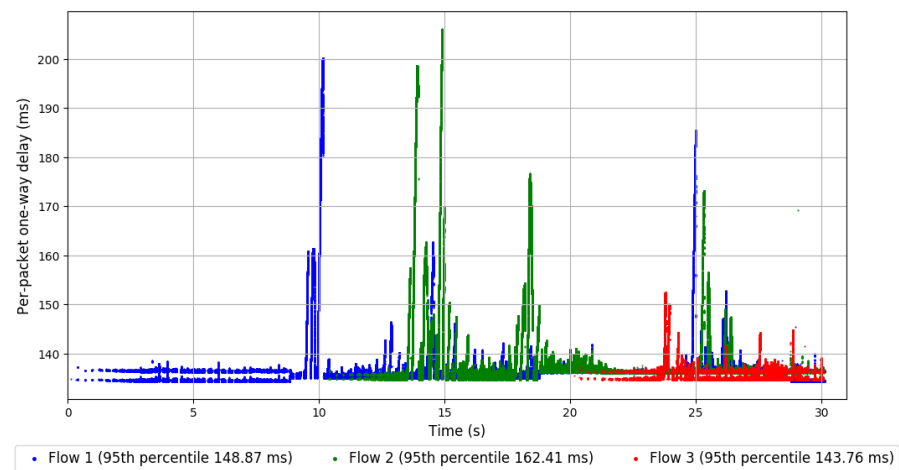
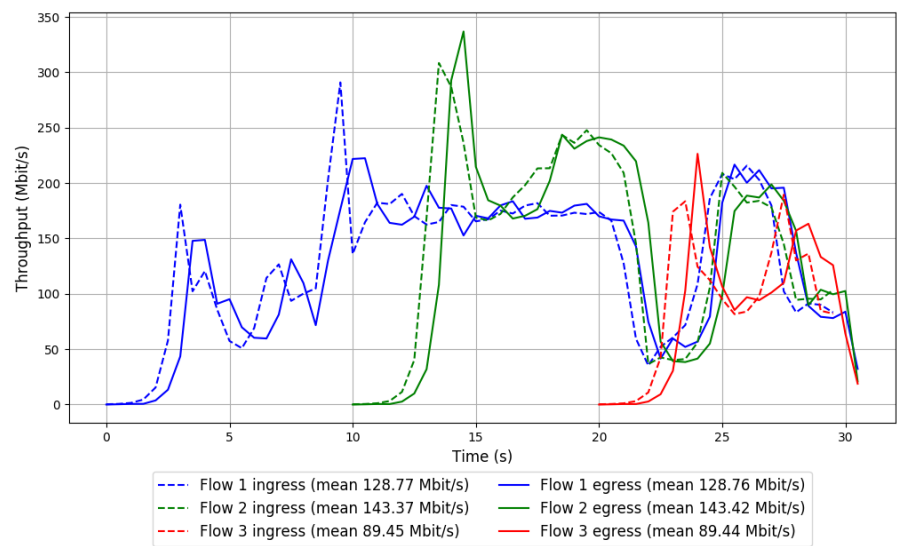


Run 9: Statistics of Copa

Start at: 2018-08-11 10:32:41
End at: 2018-08-11 10:33:11
Local clock offset: 0.258 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-08-11 12:05:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.80 Mbit/s
95th percentile per-packet one-way delay: 155.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.76 Mbit/s
95th percentile per-packet one-way delay: 148.871 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 143.42 Mbit/s
95th percentile per-packet one-way delay: 162.411 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 143.764 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

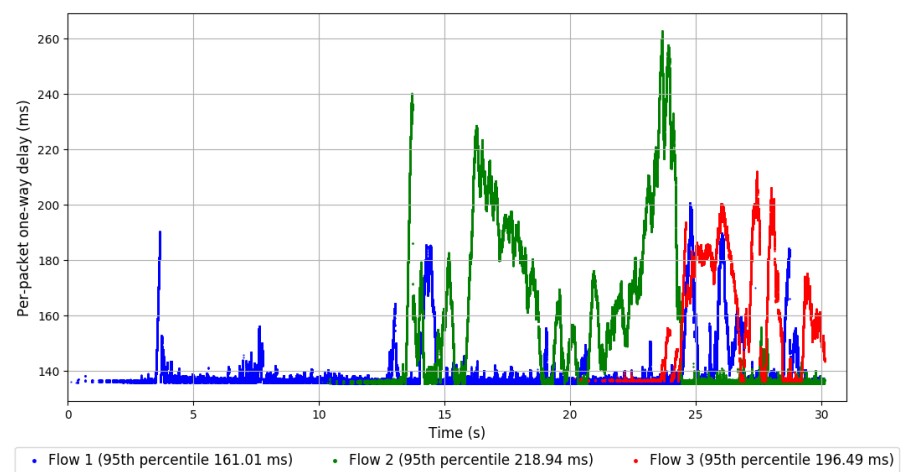
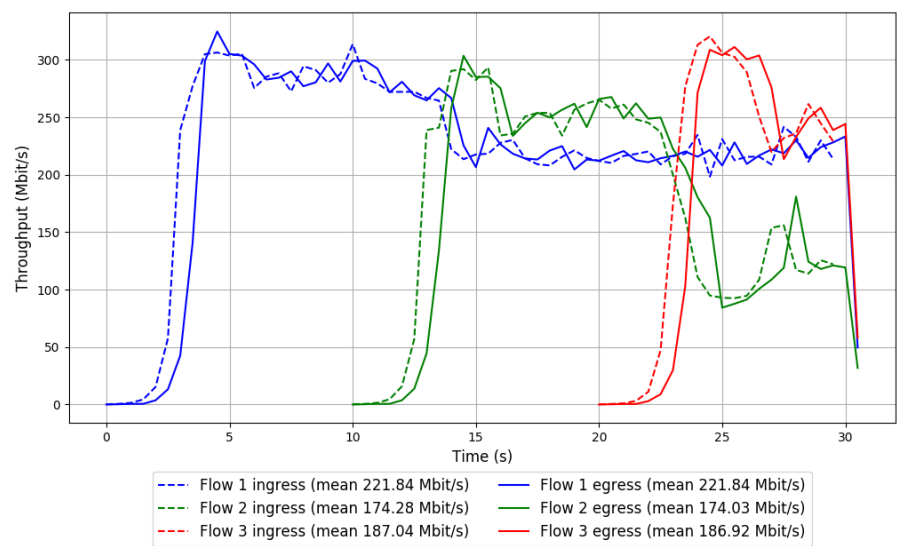


Run 10: Statistics of Copa

Start at: 2018-08-11 11:00:09
End at: 2018-08-11 11:00:39
Local clock offset: 0.235 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-11 12:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.79 Mbit/s
95th percentile per-packet one-way delay: 196.141 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 221.84 Mbit/s
95th percentile per-packet one-way delay: 161.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 174.03 Mbit/s
95th percentile per-packet one-way delay: 218.943 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 186.92 Mbit/s
95th percentile per-packet one-way delay: 196.485 ms
Loss rate: 0.07%

Run 10: Report of Copa — Data Link

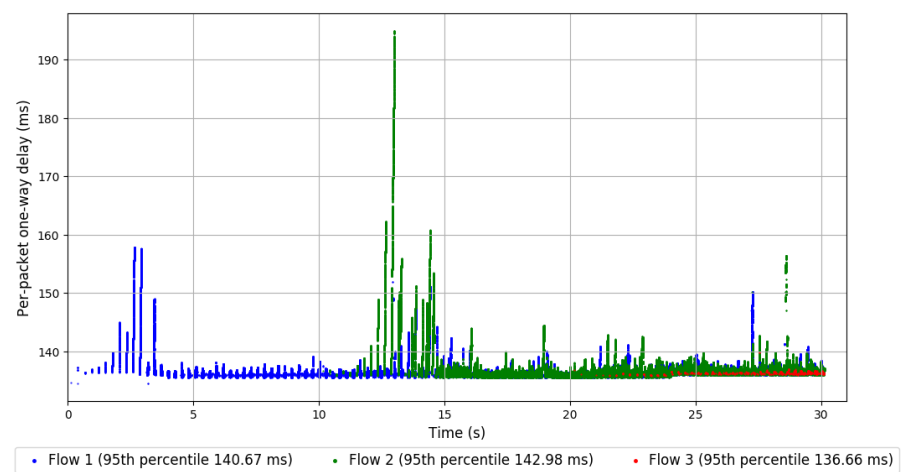
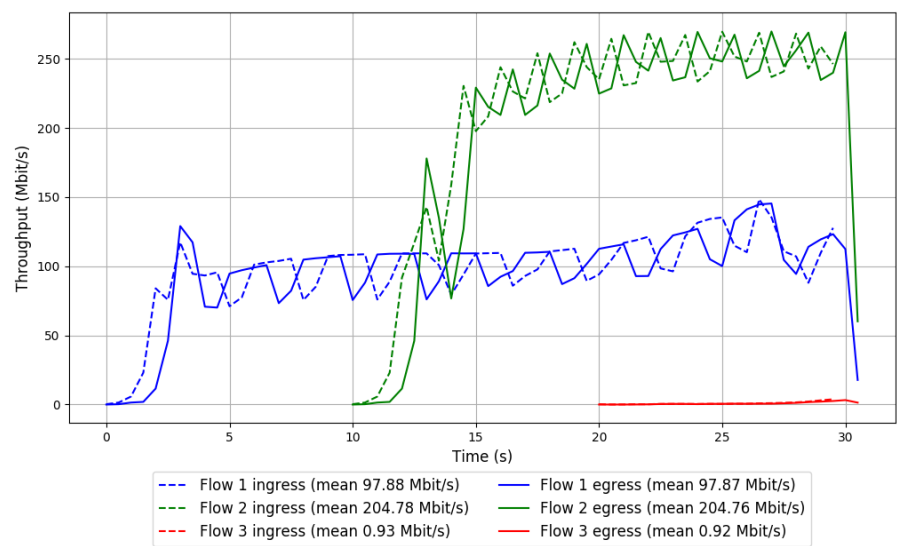


Run 1: Statistics of TCP Cubic

Start at: 2018-08-11 07:00:15
End at: 2018-08-11 07:00:45
Local clock offset: -0.153 ms
Remote clock offset: -0.501 ms

Below is generated by plot.py at 2018-08-11 12:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.52 Mbit/s
95th percentile per-packet one-way delay: 142.189 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.87 Mbit/s
95th percentile per-packet one-way delay: 140.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 204.76 Mbit/s
95th percentile per-packet one-way delay: 142.977 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 136.663 ms
Loss rate: 1.30%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-11 07:28:49

End at: 2018-08-11 07:29:19

Local clock offset: 0.044 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-08-11 12:11:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 178.82 Mbit/s

95th percentile per-packet one-way delay: 141.041 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.96 Mbit/s

95th percentile per-packet one-way delay: 140.952 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 80.94 Mbit/s

95th percentile per-packet one-way delay: 142.844 ms

Loss rate: 0.00%

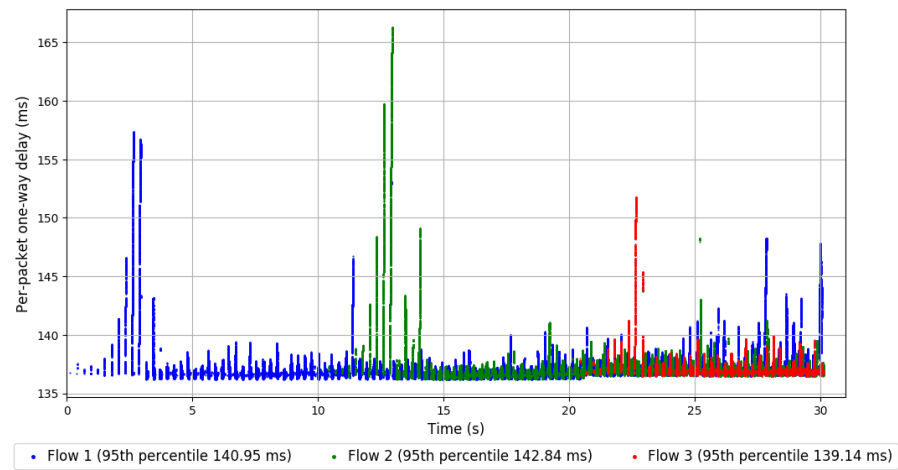
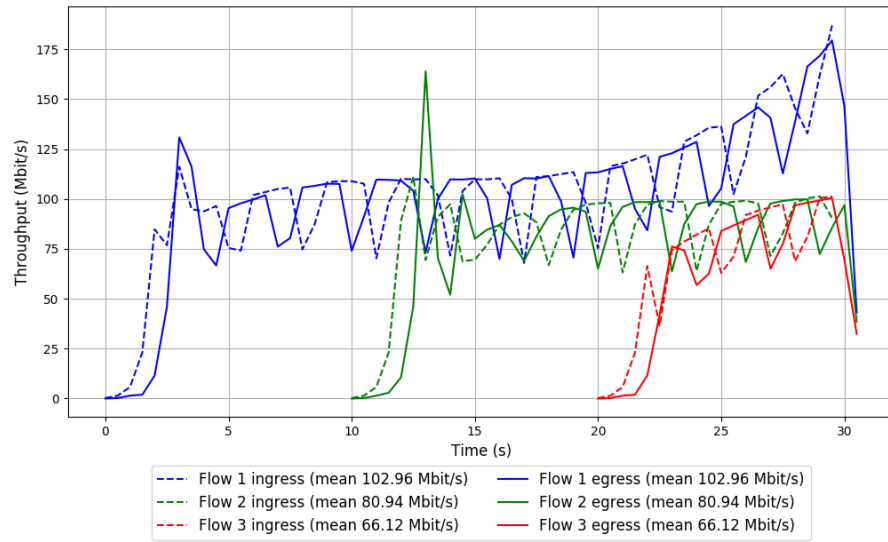
-- Flow 3:

Average throughput: 66.12 Mbit/s

95th percentile per-packet one-way delay: 139.137 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

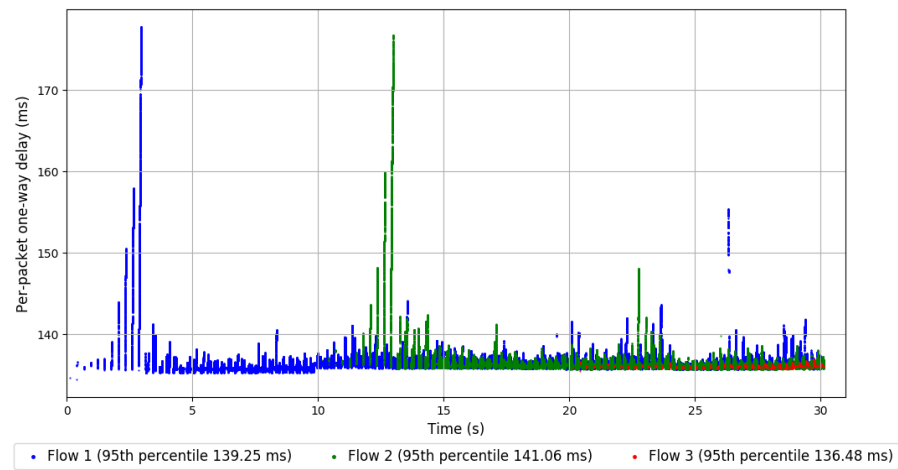
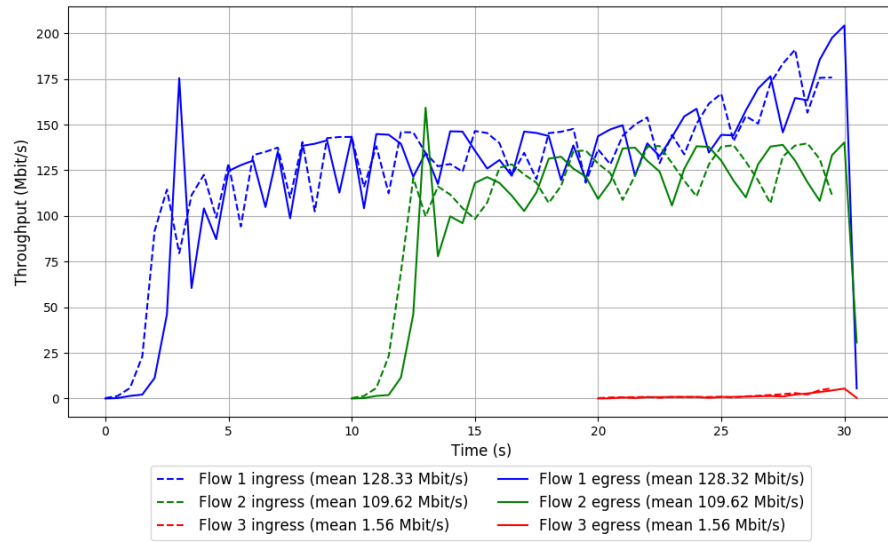


Run 3: Statistics of TCP Cubic

Start at: 2018-08-11 07:57:10
End at: 2018-08-11 07:57:40
Local clock offset: 0.09 ms
Remote clock offset: -0.555 ms

Below is generated by plot.py at 2018-08-11 12:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 201.85 Mbit/s
95th percentile per-packet one-way delay: 139.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.32 Mbit/s
95th percentile per-packet one-way delay: 139.247 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 109.62 Mbit/s
95th percentile per-packet one-way delay: 141.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 136.480 ms
Loss rate: 0.23%

Run 3: Report of TCP Cubic — Data Link

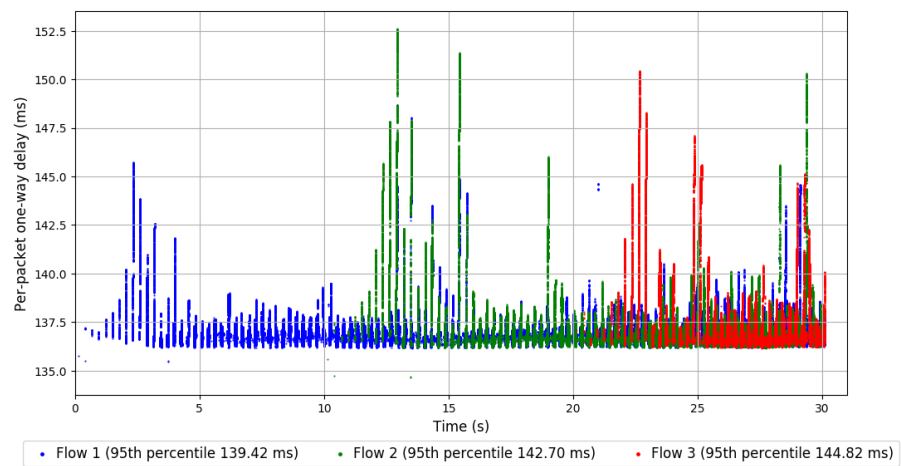
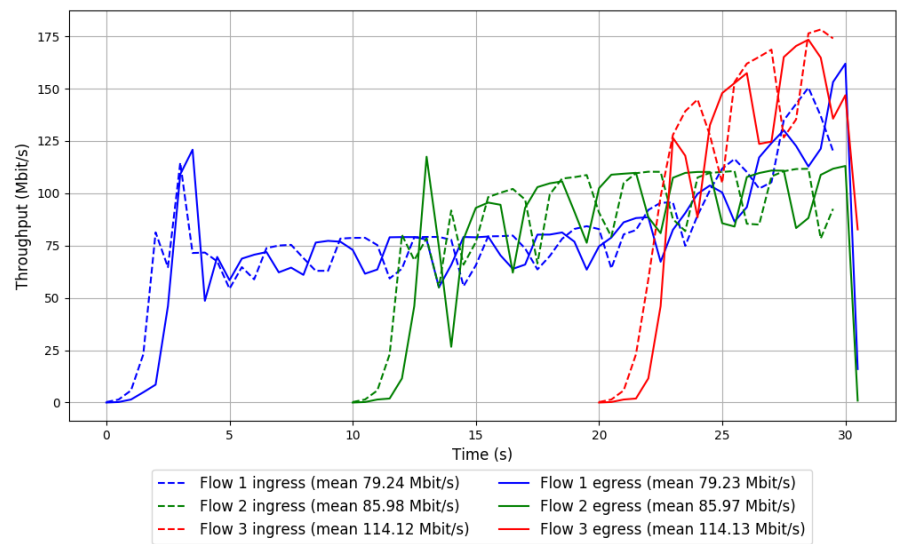


Run 4: Statistics of TCP Cubic

Start at: 2018-08-11 08:25:31
End at: 2018-08-11 08:26:01
Local clock offset: 0.027 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-08-11 12:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 174.33 Mbit/s
95th percentile per-packet one-way delay: 141.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 139.422 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: 142.699 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.13 Mbit/s
95th percentile per-packet one-way delay: 144.822 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

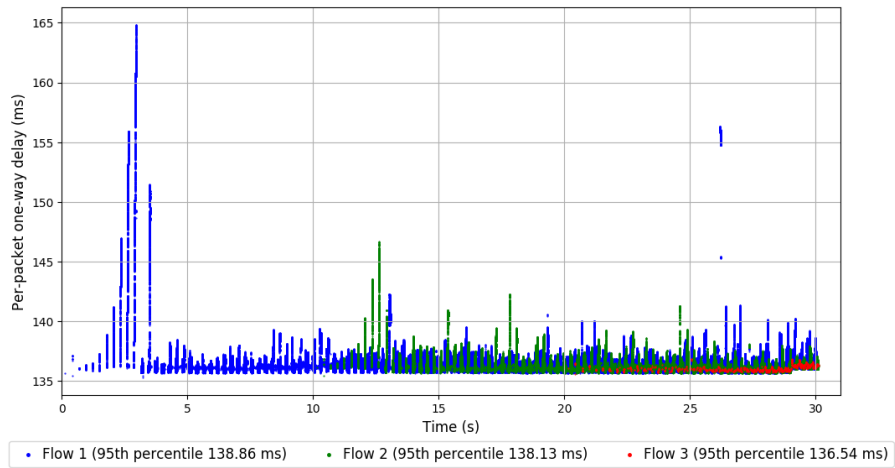
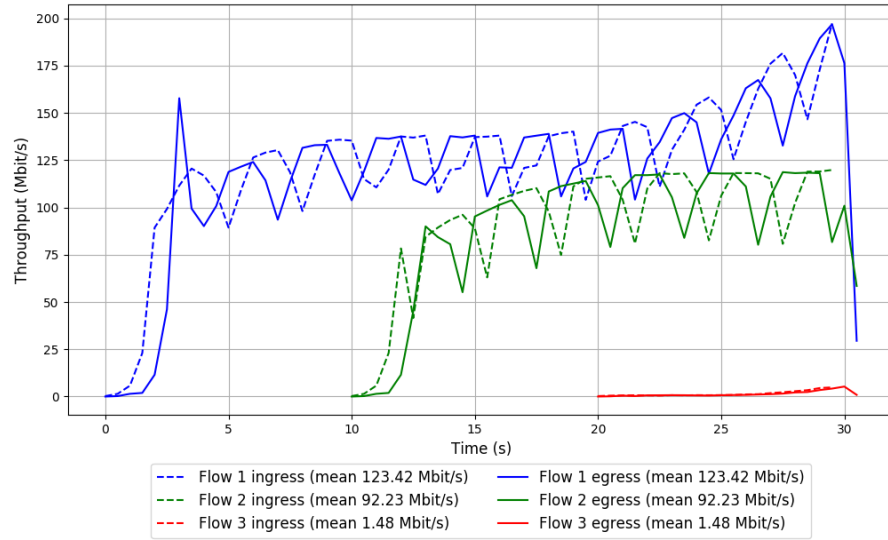


Run 5: Statistics of TCP Cubic

Start at: 2018-08-11 08:53:50
End at: 2018-08-11 08:54:20
Local clock offset: -0.247 ms
Remote clock offset: -0.632 ms

Below is generated by plot.py at 2018-08-11 12:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.27 Mbit/s
95th percentile per-packet one-way delay: 138.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.42 Mbit/s
95th percentile per-packet one-way delay: 138.860 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 138.134 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 136.537 ms
Loss rate: 0.41%

Run 5: Report of TCP Cubic — Data Link

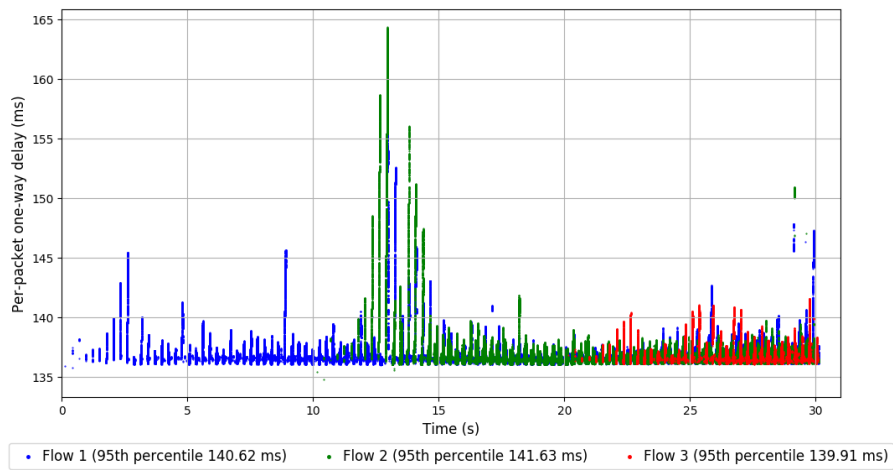
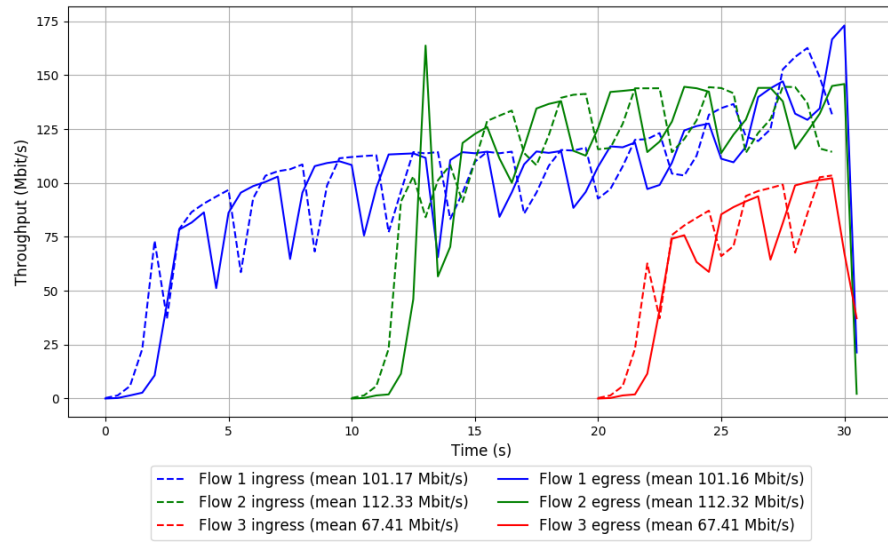


Run 6: Statistics of TCP Cubic

Start at: 2018-08-11 09:21:49
End at: 2018-08-11 09:22:19
Local clock offset: 0.032 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-08-11 12:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 198.36 Mbit/s
95th percentile per-packet one-way delay: 140.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.16 Mbit/s
95th percentile per-packet one-way delay: 140.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.32 Mbit/s
95th percentile per-packet one-way delay: 141.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.41 Mbit/s
95th percentile per-packet one-way delay: 139.914 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

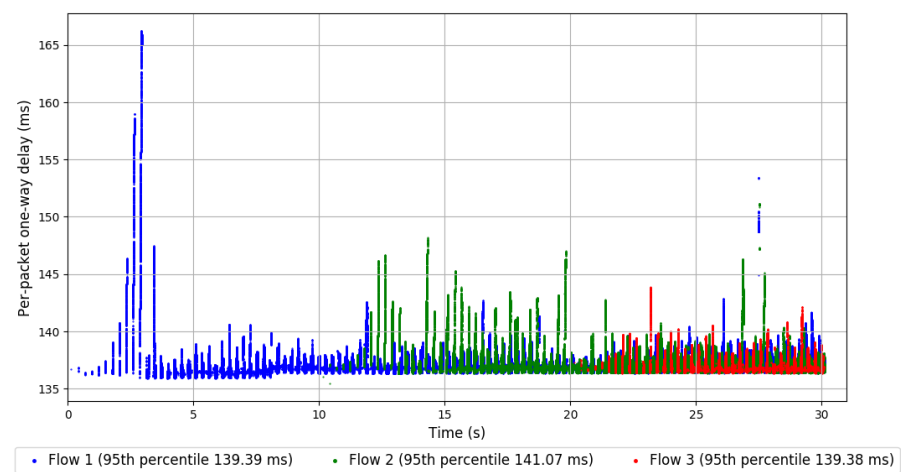
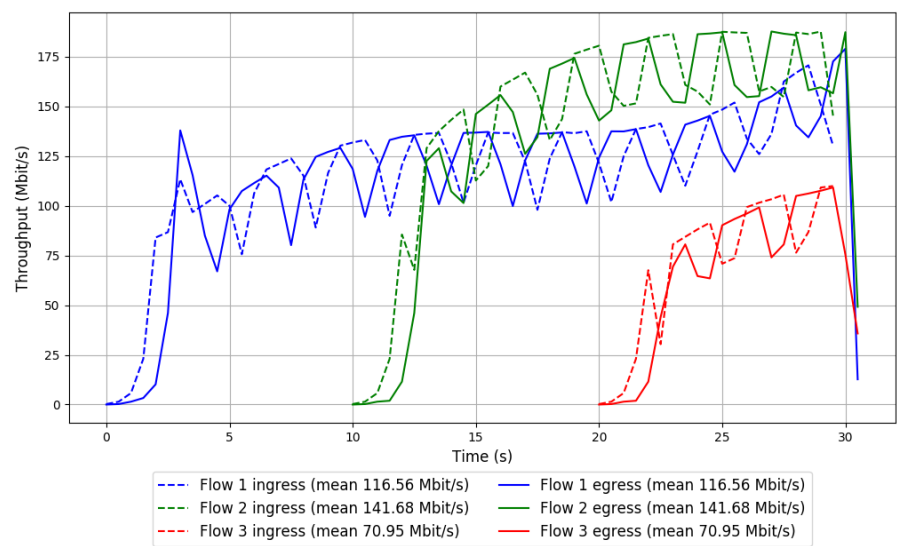


Run 7: Statistics of TCP Cubic

Start at: 2018-08-11 09:50:01
End at: 2018-08-11 09:50:31
Local clock offset: -0.052 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-11 12:11:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.45 Mbit/s
95th percentile per-packet one-way delay: 140.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.56 Mbit/s
95th percentile per-packet one-way delay: 139.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.68 Mbit/s
95th percentile per-packet one-way delay: 141.075 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 139.382 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-11 10:17:56

End at: 2018-08-11 10:18:26

Local clock offset: 0.087 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2018-08-11 12:11:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.04 Mbit/s

95th percentile per-packet one-way delay: 140.260 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 106.12 Mbit/s

95th percentile per-packet one-way delay: 139.041 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 107.74 Mbit/s

95th percentile per-packet one-way delay: 140.380 ms

Loss rate: 0.00%

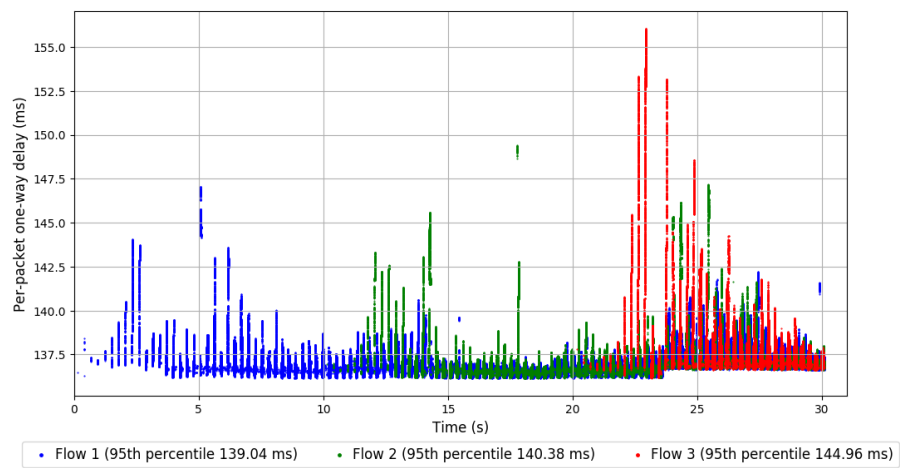
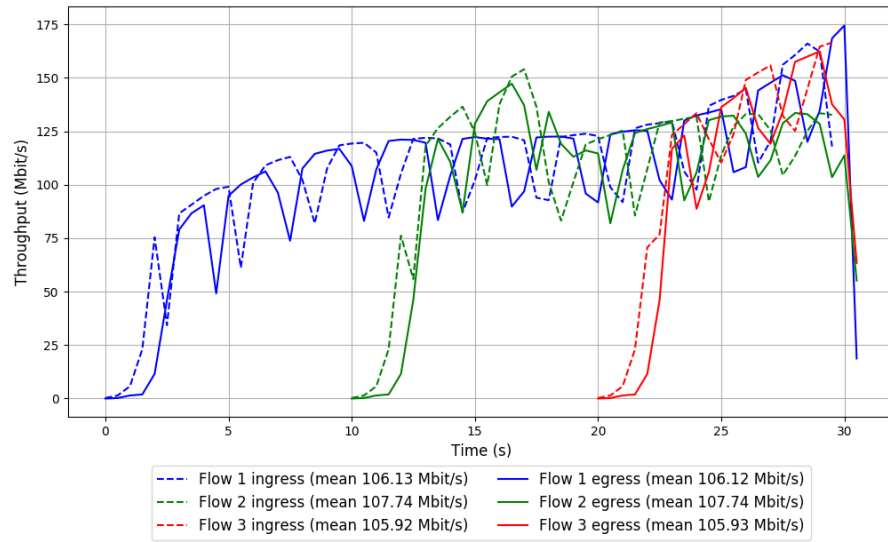
-- Flow 3:

Average throughput: 105.93 Mbit/s

95th percentile per-packet one-way delay: 144.956 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-11 10:45:33

End at: 2018-08-11 10:46:03

Local clock offset: 0.028 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-08-11 12:11:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 176.38 Mbit/s

95th percentile per-packet one-way delay: 139.565 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 143.99 Mbit/s

95th percentile per-packet one-way delay: 139.405 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.89 Mbit/s

95th percentile per-packet one-way delay: 141.589 ms

Loss rate: 0.00%

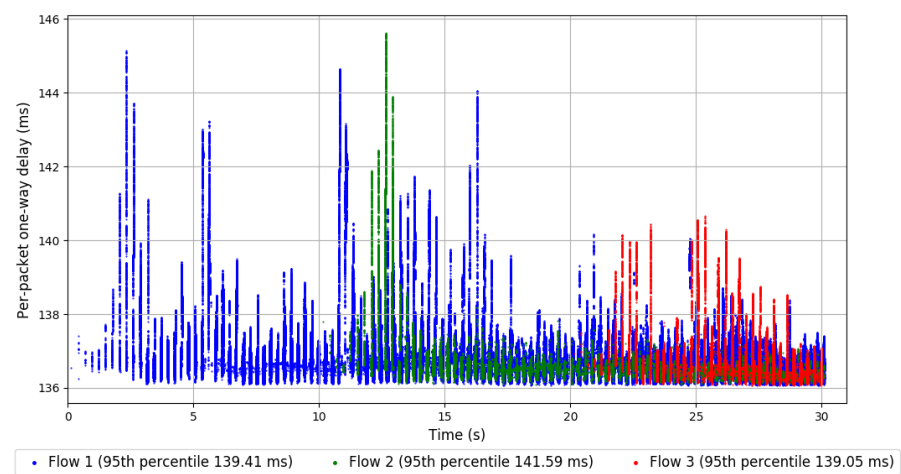
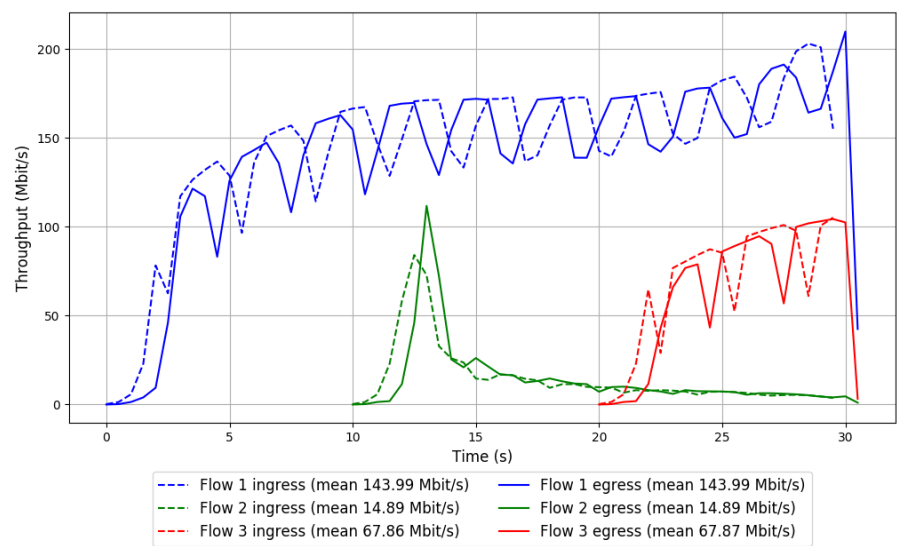
-- Flow 3:

Average throughput: 67.87 Mbit/s

95th percentile per-packet one-way delay: 139.047 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-11 11:13:31

End at: 2018-08-11 11:14:01

Local clock offset: -0.027 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-08-11 12:11:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.46 Mbit/s

95th percentile per-packet one-way delay: 141.486 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.48 Mbit/s

95th percentile per-packet one-way delay: 150.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 138.890 ms

Loss rate: 0.00%

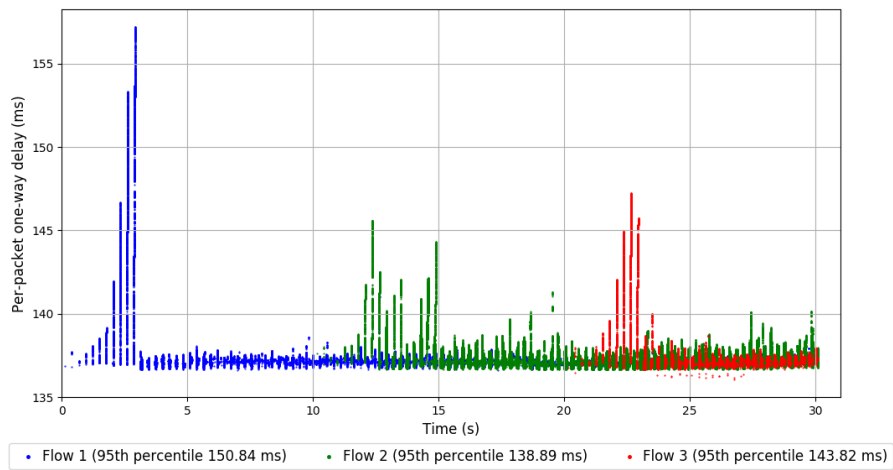
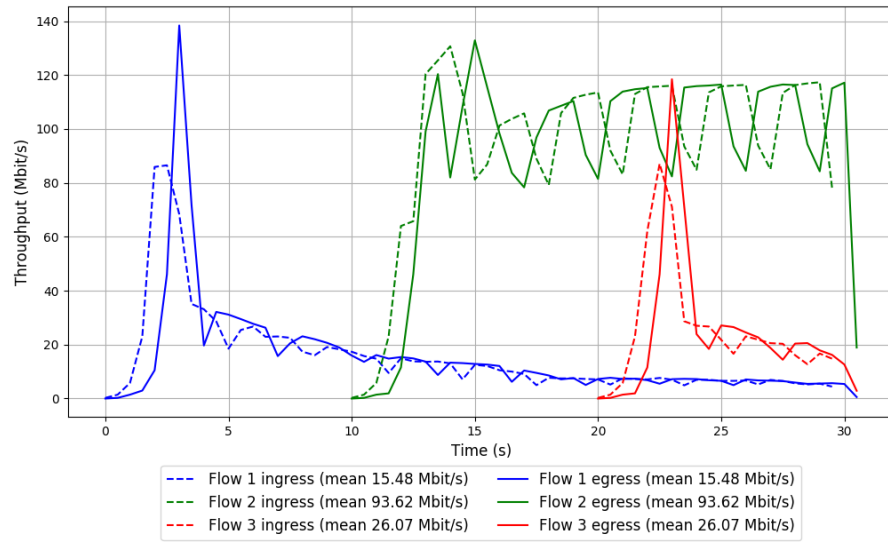
-- Flow 3:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 143.817 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-11 07:03:20

End at: 2018-08-11 07:03:50

Local clock offset: 0.137 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2018-08-11 12:29:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 1111.59 Mbit/s

95th percentile per-packet one-way delay: 227.053 ms

Loss rate: 5.68%

-- Flow 1:

Average throughput: 602.87 Mbit/s

95th percentile per-packet one-way delay: 237.533 ms

Loss rate: 6.19%

-- Flow 2:

Average throughput: 541.42 Mbit/s

95th percentile per-packet one-way delay: 228.136 ms

Loss rate: 6.99%

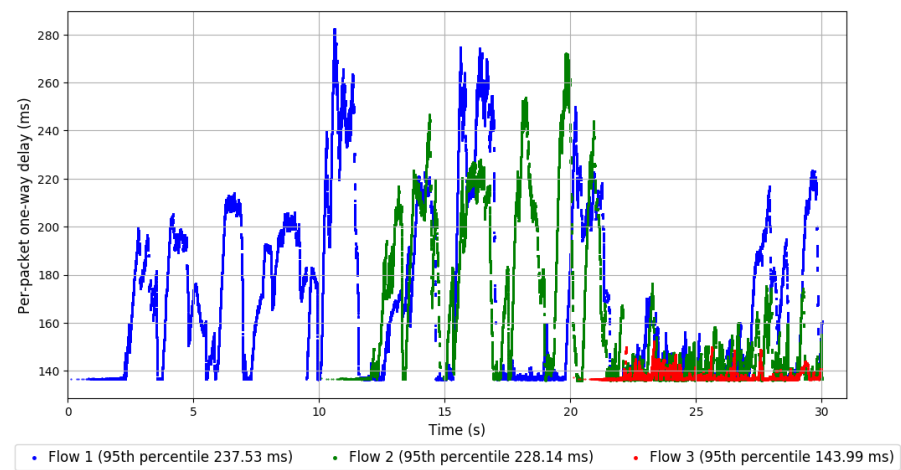
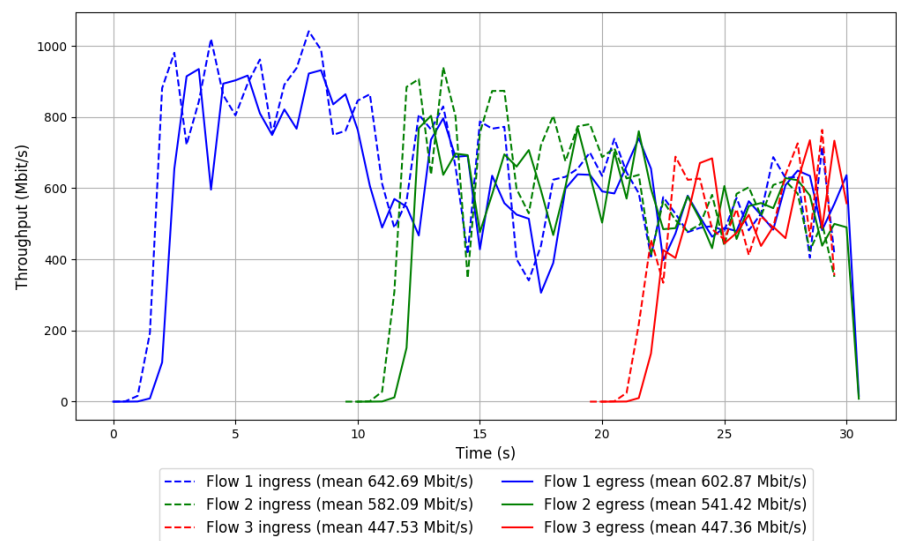
-- Flow 3:

Average throughput: 447.36 Mbit/s

95th percentile per-packet one-way delay: 143.985 ms

Loss rate: 0.00%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-11 07:31:48

End at: 2018-08-11 07:32:18

Local clock offset: -0.047 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-08-11 12:32:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 1209.96 Mbit/s

95th percentile per-packet one-way delay: 205.053 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 704.04 Mbit/s

95th percentile per-packet one-way delay: 207.221 ms

Loss rate: 2.32%

-- Flow 2:

Average throughput: 552.90 Mbit/s

95th percentile per-packet one-way delay: 190.904 ms

Loss rate: 0.34%

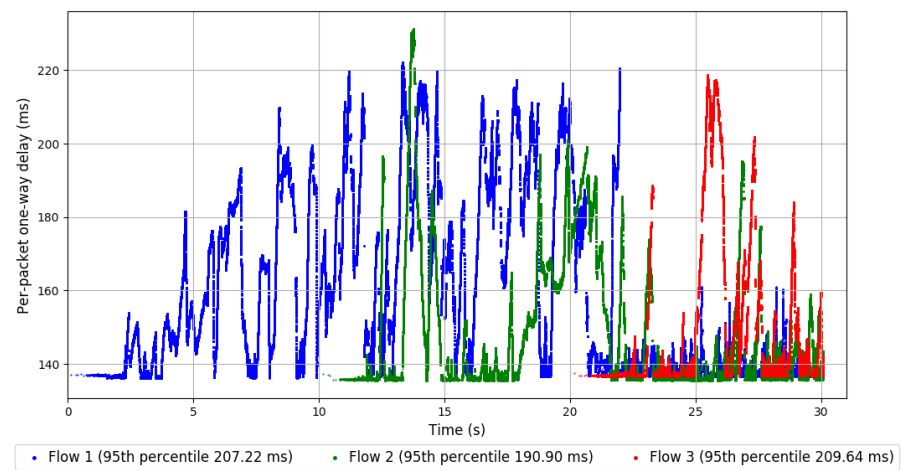
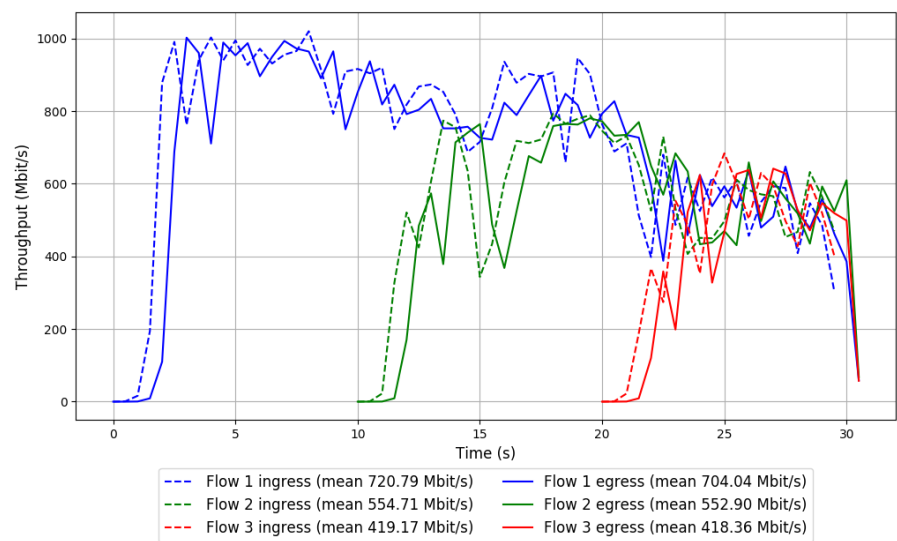
-- Flow 3:

Average throughput: 418.36 Mbit/s

95th percentile per-packet one-way delay: 209.637 ms

Loss rate: 0.18%

Run 2: Report of FillP — Data Link

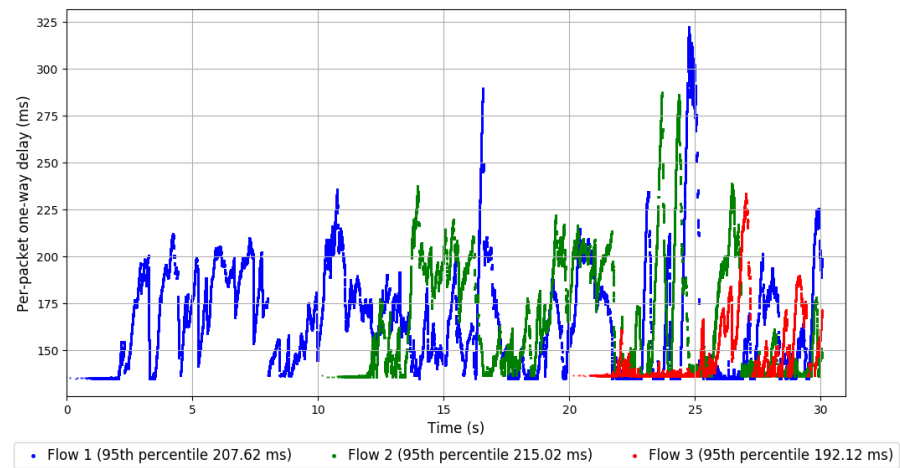
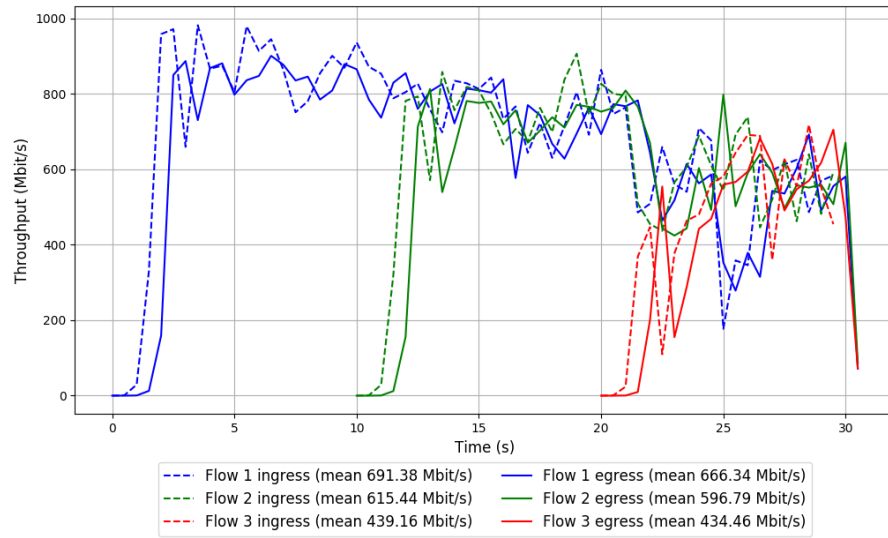


Run 3: Statistics of FillP

Start at: 2018-08-11 08:00:14
End at: 2018-08-11 08:00:44
Local clock offset: -0.254 ms
Remote clock offset: -0.556 ms

Below is generated by plot.py at 2018-08-11 12:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1207.22 Mbit/s
95th percentile per-packet one-way delay: 209.630 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 666.34 Mbit/s
95th percentile per-packet one-way delay: 207.624 ms
Loss rate: 3.62%
-- Flow 2:
Average throughput: 596.79 Mbit/s
95th percentile per-packet one-way delay: 215.022 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 434.46 Mbit/s
95th percentile per-packet one-way delay: 192.116 ms
Loss rate: 1.06%

Run 3: Report of FillP — Data Link

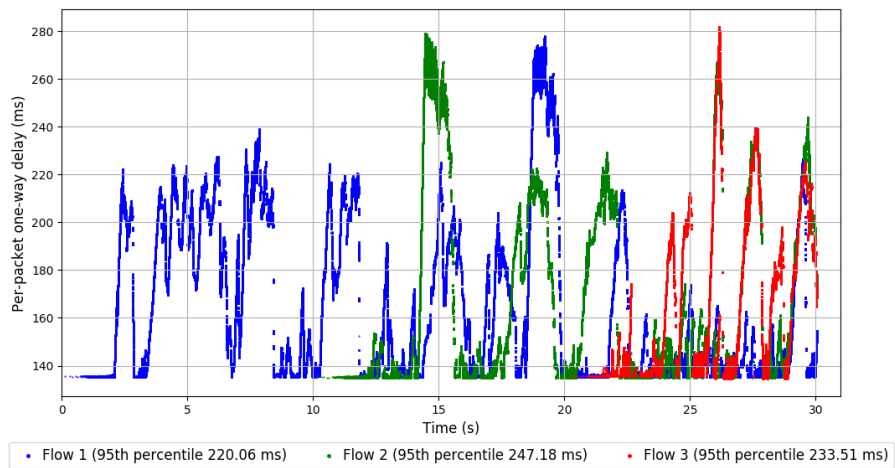
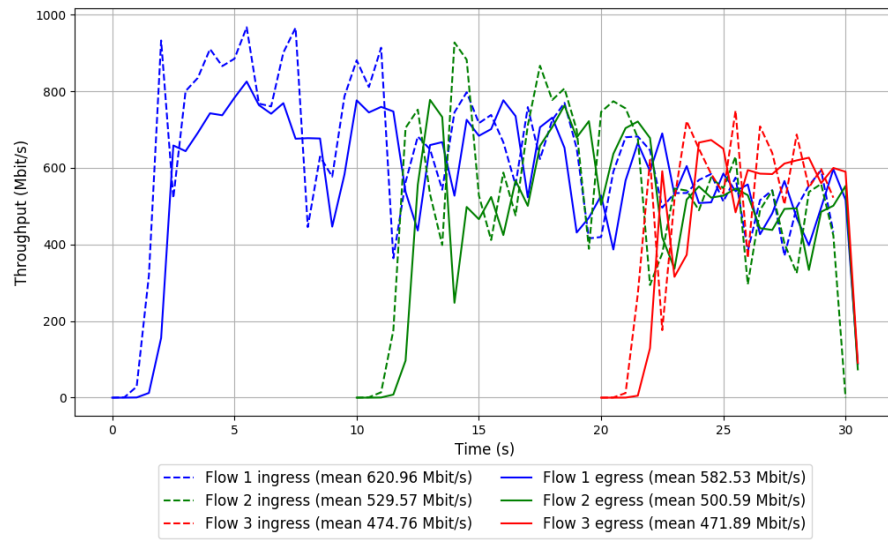


Run 4: Statistics of FillP

Start at: 2018-08-11 08:28:32
End at: 2018-08-11 08:29:02
Local clock offset: 0.221 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-08-11 12:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1071.59 Mbit/s
95th percentile per-packet one-way delay: 231.221 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 582.53 Mbit/s
95th percentile per-packet one-way delay: 220.061 ms
Loss rate: 6.19%
-- Flow 2:
Average throughput: 500.59 Mbit/s
95th percentile per-packet one-way delay: 247.179 ms
Loss rate: 5.82%
-- Flow 3:
Average throughput: 471.89 Mbit/s
95th percentile per-packet one-way delay: 233.511 ms
Loss rate: 0.64%

Run 4: Report of FillP — Data Link

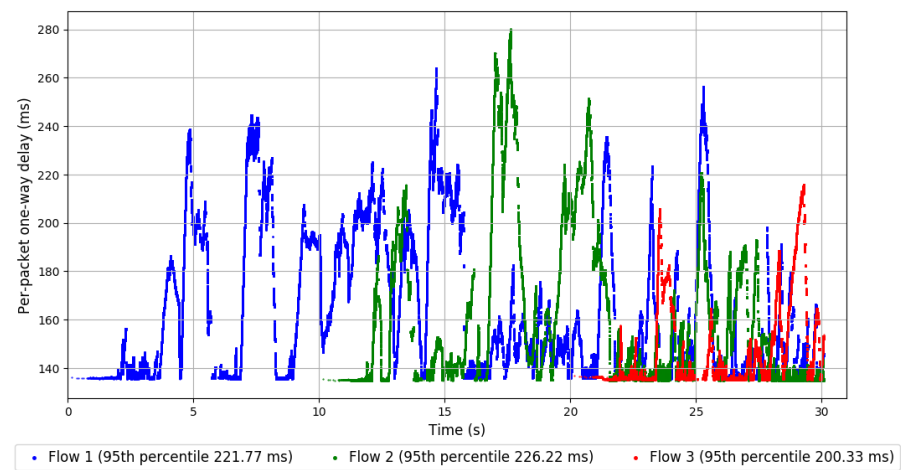
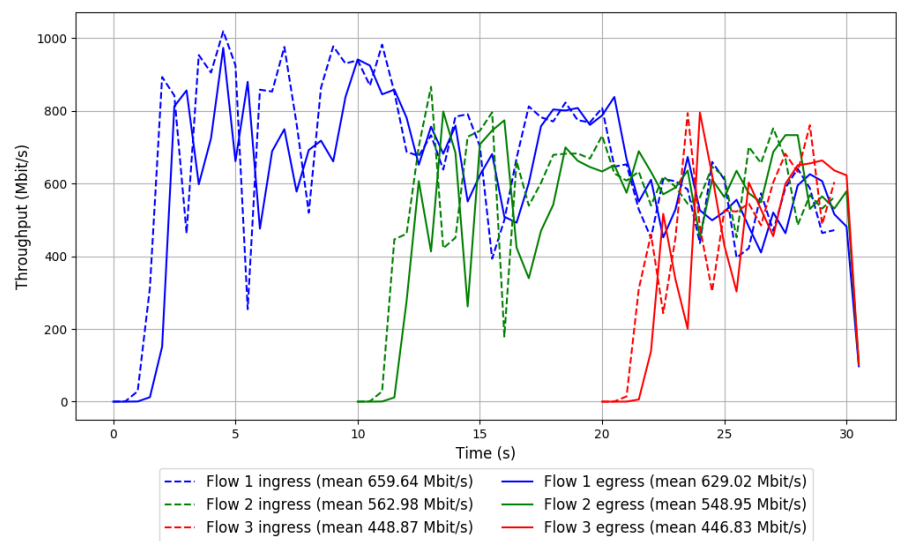


Run 5: Statistics of FillP

Start at: 2018-08-11 08:56:57
End at: 2018-08-11 08:57:27
Local clock offset: 0.108 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-08-11 12:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1142.46 Mbit/s
95th percentile per-packet one-way delay: 220.618 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 629.02 Mbit/s
95th percentile per-packet one-way delay: 221.770 ms
Loss rate: 4.64%
-- Flow 2:
Average throughput: 548.95 Mbit/s
95th percentile per-packet one-way delay: 226.220 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 446.83 Mbit/s
95th percentile per-packet one-way delay: 200.334 ms
Loss rate: 0.44%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-11 09:24:55

End at: 2018-08-11 09:25:25

Local clock offset: -0.081 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-08-11 12:33:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 1083.18 Mbit/s

95th percentile per-packet one-way delay: 223.547 ms

Loss rate: 3.92%

-- Flow 1:

Average throughput: 598.28 Mbit/s

95th percentile per-packet one-way delay: 224.894 ms

Loss rate: 4.98%

-- Flow 2:

Average throughput: 524.29 Mbit/s

95th percentile per-packet one-way delay: 219.746 ms

Loss rate: 2.74%

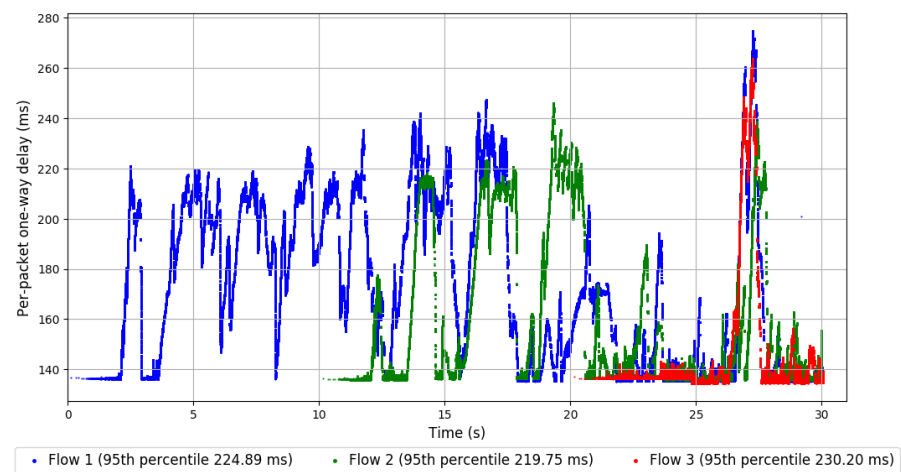
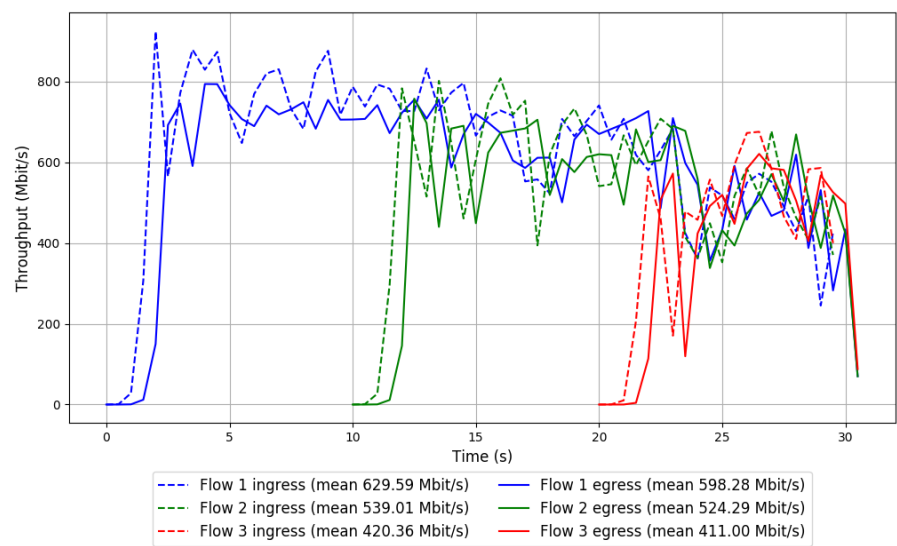
-- Flow 3:

Average throughput: 411.00 Mbit/s

95th percentile per-packet one-way delay: 230.196 ms

Loss rate: 2.22%

Run 6: Report of FillP — Data Link

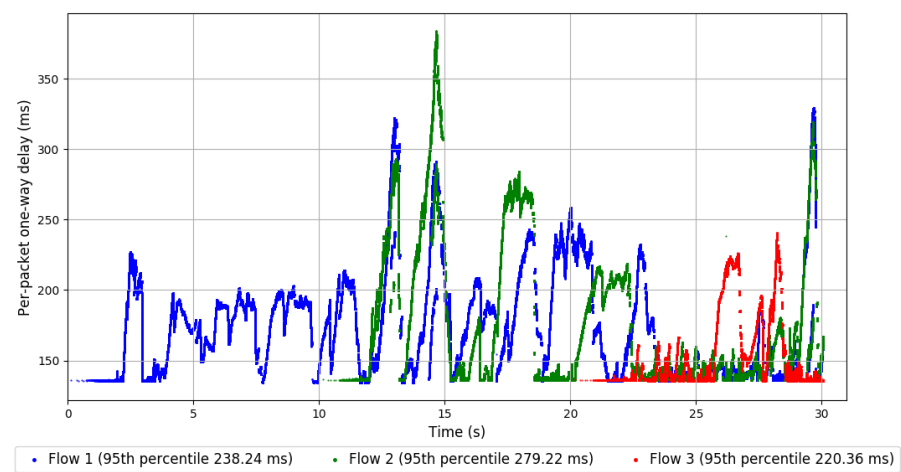
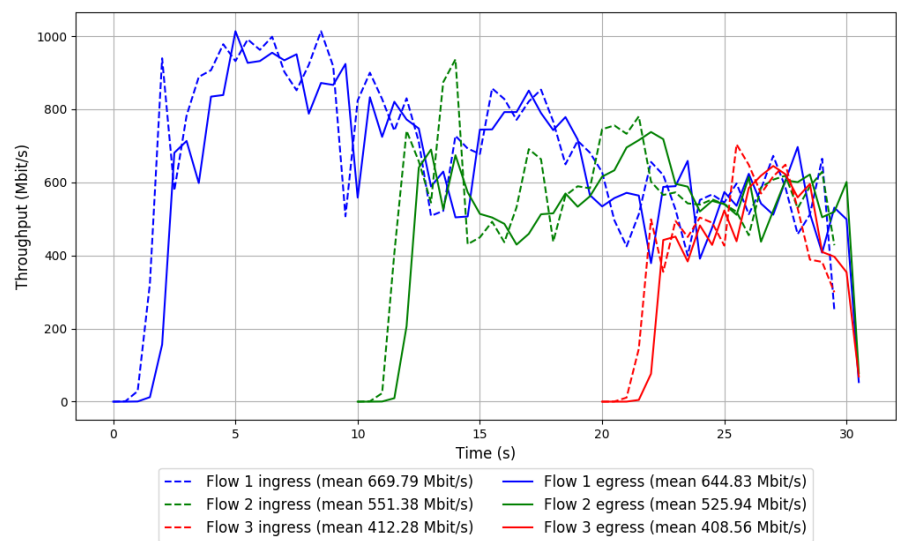


Run 7: Statistics of FillP

Start at: 2018-08-11 09:53:05
End at: 2018-08-11 09:53:35
Local clock offset: -0.026 ms
Remote clock offset: -0.502 ms

Below is generated by plot.py at 2018-08-11 12:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1129.56 Mbit/s
95th percentile per-packet one-way delay: 263.402 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 644.83 Mbit/s
95th percentile per-packet one-way delay: 238.236 ms
Loss rate: 3.71%
-- Flow 2:
Average throughput: 525.94 Mbit/s
95th percentile per-packet one-way delay: 279.216 ms
Loss rate: 4.62%
-- Flow 3:
Average throughput: 408.56 Mbit/s
95th percentile per-packet one-way delay: 220.357 ms
Loss rate: 0.92%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-11 10:20:58

End at: 2018-08-11 10:21:28

Local clock offset: 0.297 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-08-11 12:36:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1078.54 Mbit/s

95th percentile per-packet one-way delay: 224.598 ms

Loss rate: 3.92%

-- Flow 1:

Average throughput: 603.99 Mbit/s

95th percentile per-packet one-way delay: 216.186 ms

Loss rate: 3.79%

-- Flow 2:

Average throughput: 514.89 Mbit/s

95th percentile per-packet one-way delay: 236.874 ms

Loss rate: 5.09%

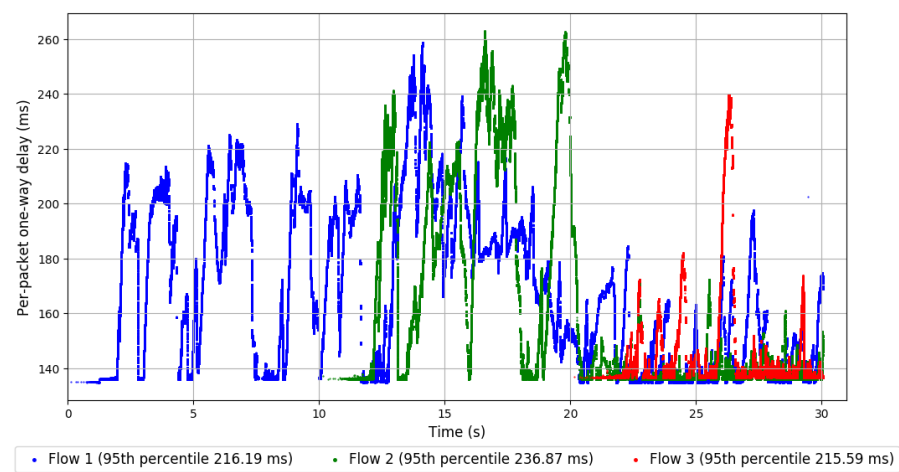
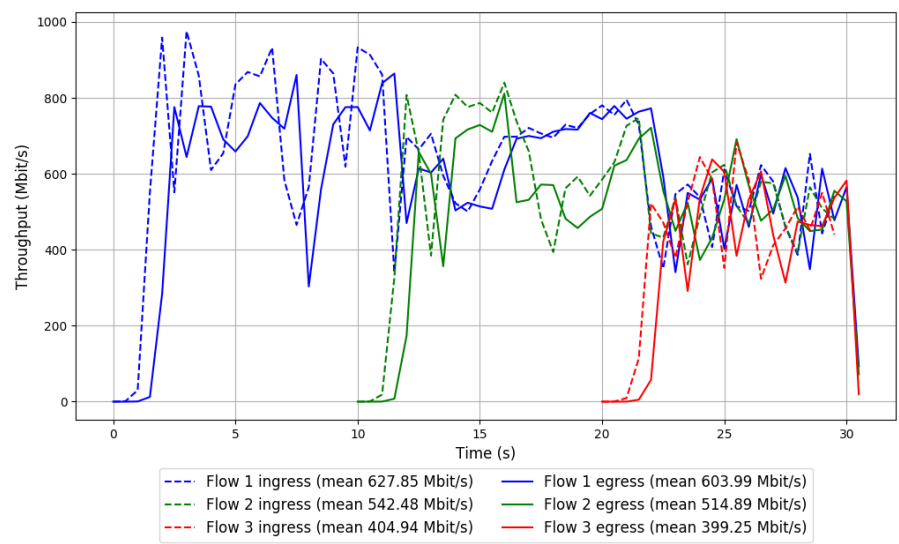
-- Flow 3:

Average throughput: 399.25 Mbit/s

95th percentile per-packet one-way delay: 215.588 ms

Loss rate: 1.41%

Run 8: Report of FillP — Data Link

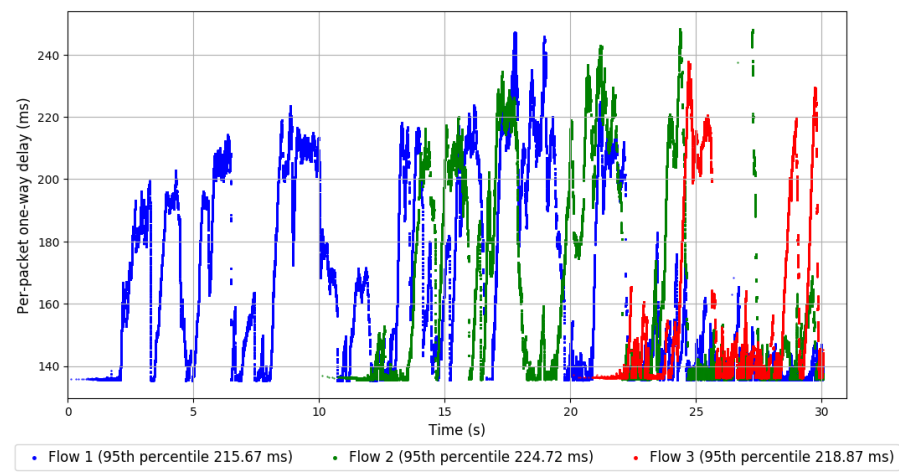
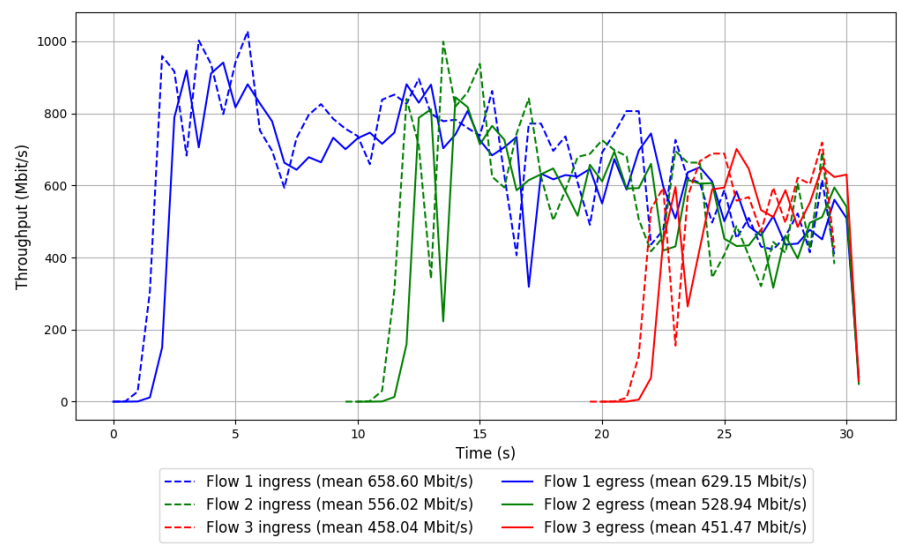


Run 9: Statistics of FillP

Start at: 2018-08-11 10:48:37
End at: 2018-08-11 10:49:07
Local clock offset: 0.207 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-08-11 12:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1131.28 Mbit/s
95th percentile per-packet one-way delay: 219.461 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 629.15 Mbit/s
95th percentile per-packet one-way delay: 215.670 ms
Loss rate: 4.45%
-- Flow 2:
Average throughput: 528.94 Mbit/s
95th percentile per-packet one-way delay: 224.716 ms
Loss rate: 4.86%
-- Flow 3:
Average throughput: 451.47 Mbit/s
95th percentile per-packet one-way delay: 218.873 ms
Loss rate: 1.38%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-11 11:16:32

End at: 2018-08-11 11:17:02

Local clock offset: -0.264 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-08-11 12:58:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1154.30 Mbit/s

95th percentile per-packet one-way delay: 212.386 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 692.51 Mbit/s

95th percentile per-packet one-way delay: 212.932 ms

Loss rate: 3.20%

-- Flow 2:

Average throughput: 598.72 Mbit/s

95th percentile per-packet one-way delay: 212.607 ms

Loss rate: 1.89%

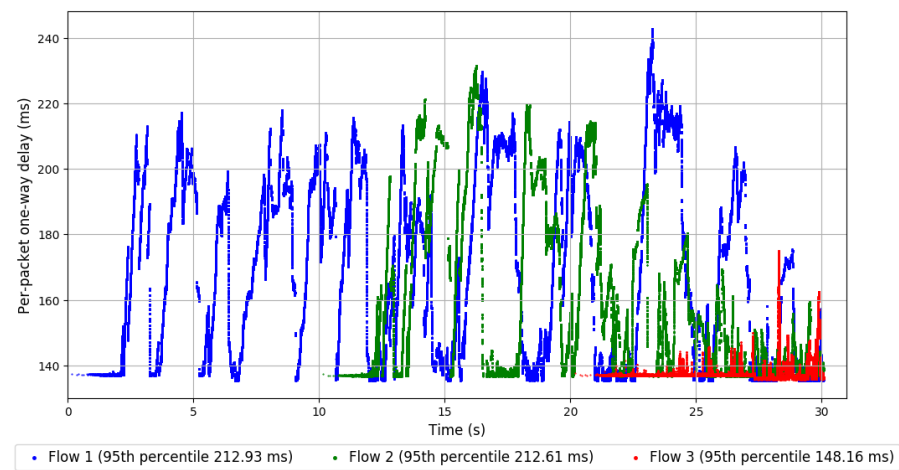
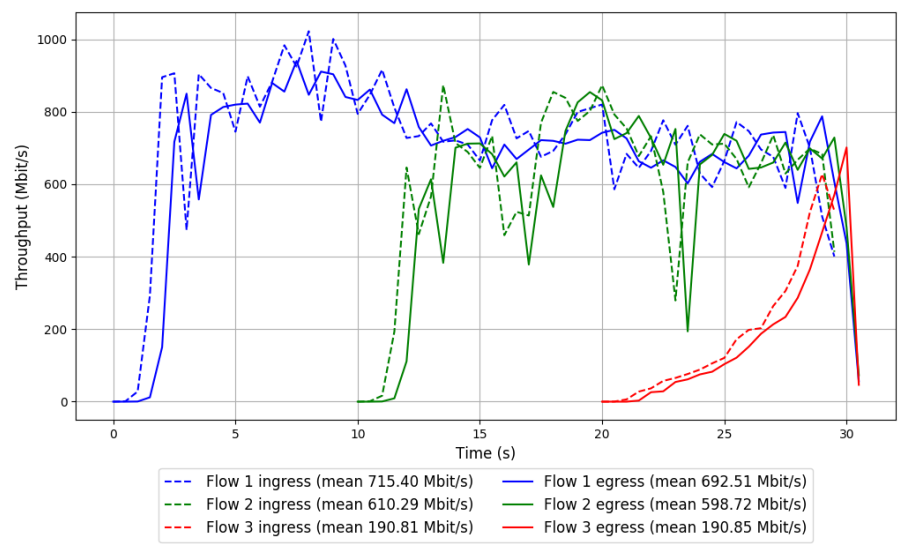
-- Flow 3:

Average throughput: 190.85 Mbit/s

95th percentile per-packet one-way delay: 148.160 ms

Loss rate: 0.00%

Run 10: Report of FillP — Data Link

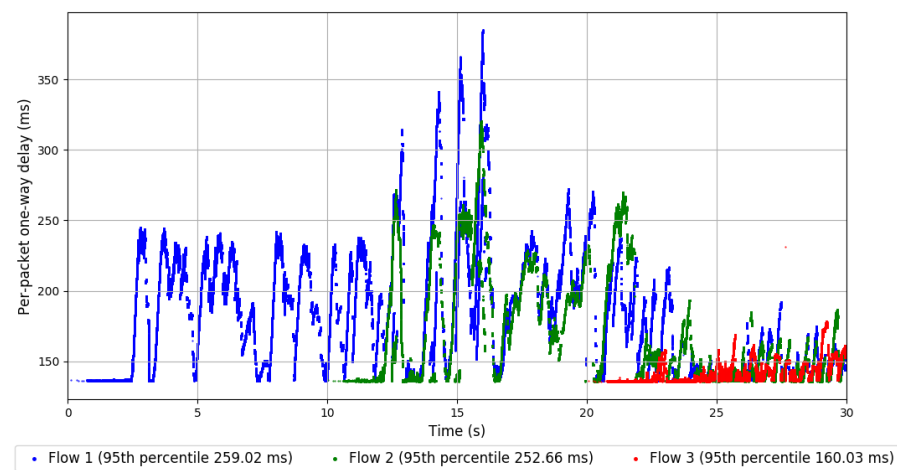
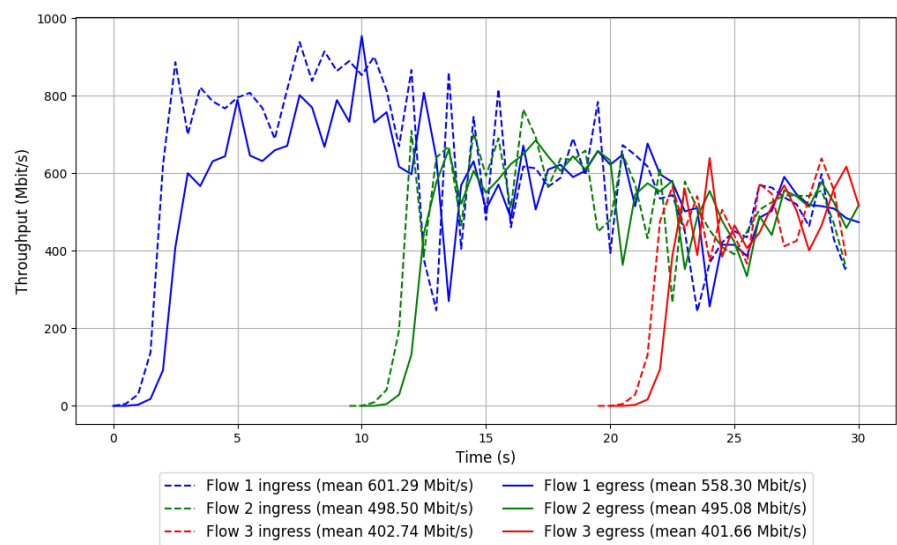


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-11 06:51:54
End at: 2018-08-11 06:52:24
Local clock offset: 0.098 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-08-11 12:58:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1022.53 Mbit/s
95th percentile per-packet one-way delay: 252.442 ms
Loss rate: 4.27%
-- Flow 1:
Average throughput: 558.30 Mbit/s
95th percentile per-packet one-way delay: 259.020 ms
Loss rate: 7.15%
-- Flow 2:
Average throughput: 495.08 Mbit/s
95th percentile per-packet one-way delay: 252.656 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 401.66 Mbit/s
95th percentile per-packet one-way delay: 160.035 ms
Loss rate: 0.26%

Run 1: Report of FillP-Sheep — Data Link

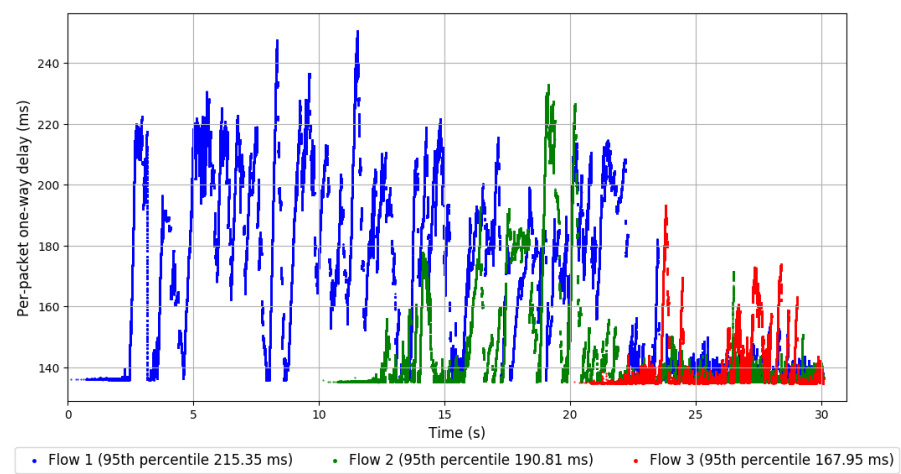
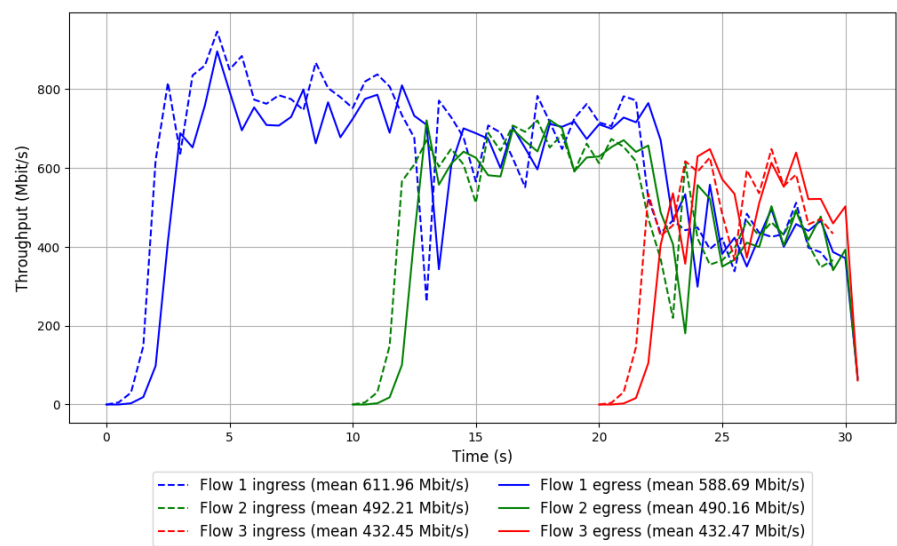


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-11 07:20:14
End at: 2018-08-11 07:20:44
Local clock offset: -0.017 ms
Remote clock offset: -0.595 ms

Below is generated by plot.py at 2018-08-11 12:58:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1057.67 Mbit/s
95th percentile per-packet one-way delay: 212.482 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 588.69 Mbit/s
95th percentile per-packet one-way delay: 215.348 ms
Loss rate: 3.80%
-- Flow 2:
Average throughput: 490.16 Mbit/s
95th percentile per-packet one-way delay: 190.814 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 432.47 Mbit/s
95th percentile per-packet one-way delay: 167.949 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-11 07:48:33

End at: 2018-08-11 07:49:03

Local clock offset: -0.025 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-08-11 12:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 1117.88 Mbit/s

95th percentile per-packet one-way delay: 212.960 ms

Loss rate: 2.36%

-- Flow 1:

Average throughput: 614.94 Mbit/s

95th percentile per-packet one-way delay: 214.896 ms

Loss rate: 3.81%

-- Flow 2:

Average throughput: 544.17 Mbit/s

95th percentile per-packet one-way delay: 200.050 ms

Loss rate: 0.53%

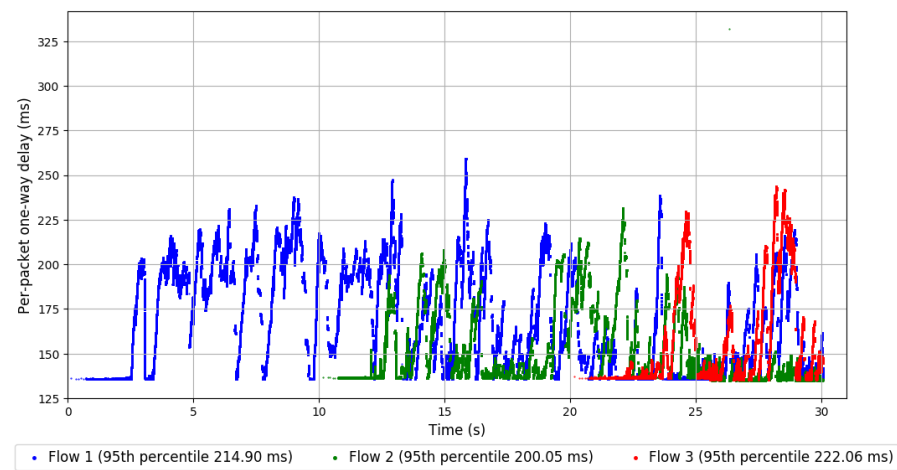
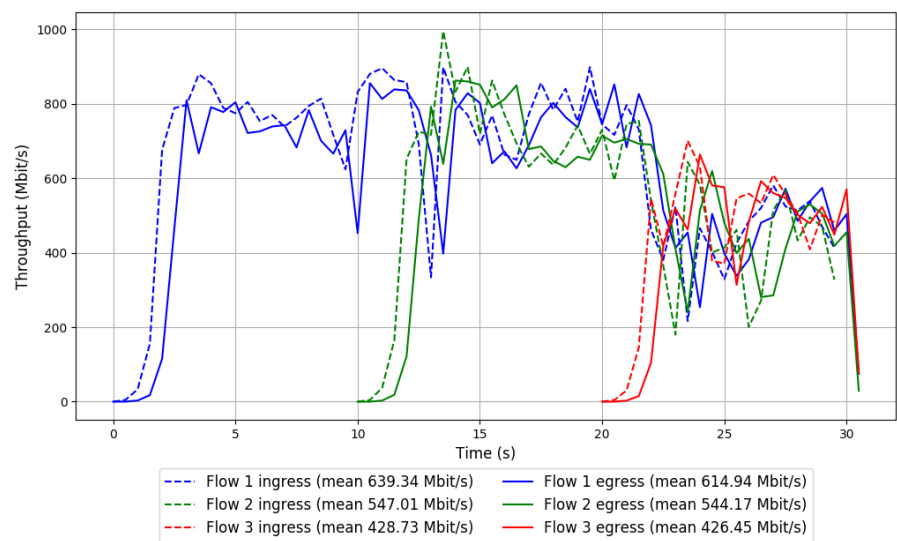
-- Flow 3:

Average throughput: 426.45 Mbit/s

95th percentile per-packet one-way delay: 222.057 ms

Loss rate: 0.53%

Run 3: Report of FillP-Sheep — Data Link

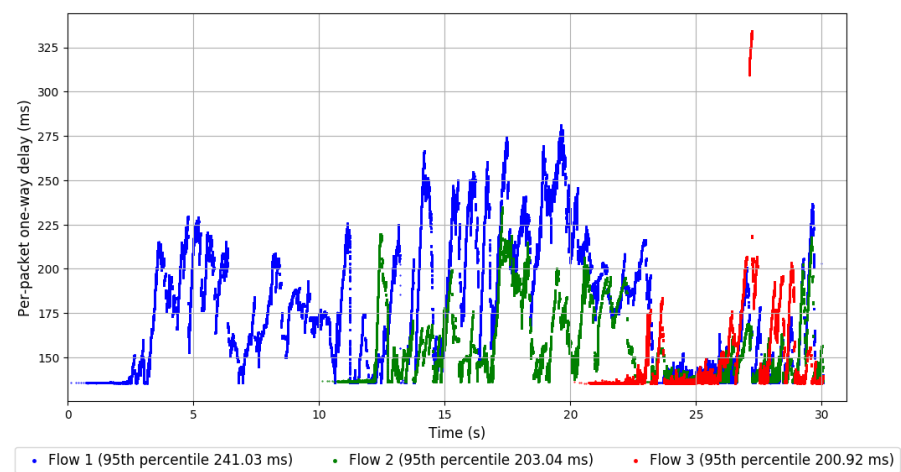
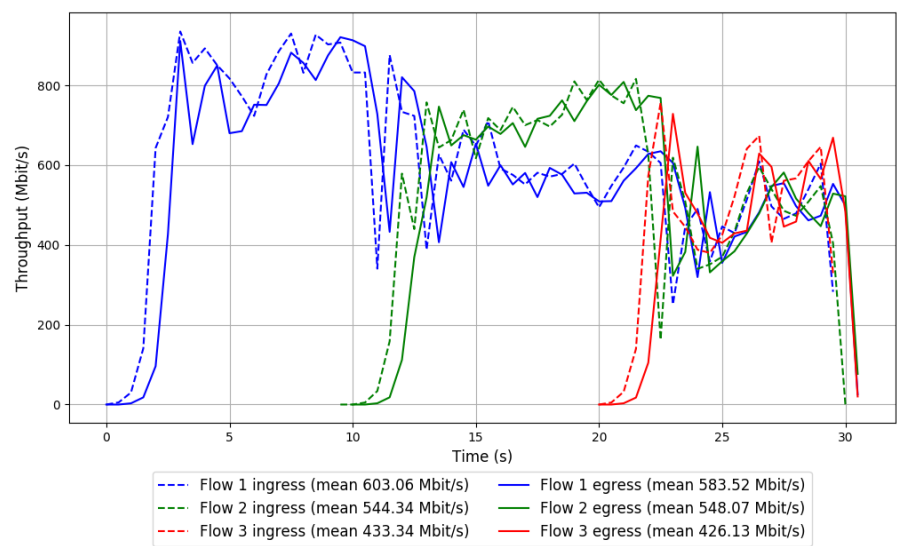


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-11 08:17:03
End at: 2018-08-11 08:17:33
Local clock offset: 0.105 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-08-11 12:59:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 1089.51 Mbit/s
95th percentile per-packet one-way delay: 228.416 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 583.52 Mbit/s
95th percentile per-packet one-way delay: 241.026 ms
Loss rate: 3.23%
-- Flow 2:
Average throughput: 548.07 Mbit/s
95th percentile per-packet one-way delay: 203.036 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 426.13 Mbit/s
95th percentile per-packet one-way delay: 200.924 ms
Loss rate: 1.63%

Run 4: Report of FillP-Sheep — Data Link

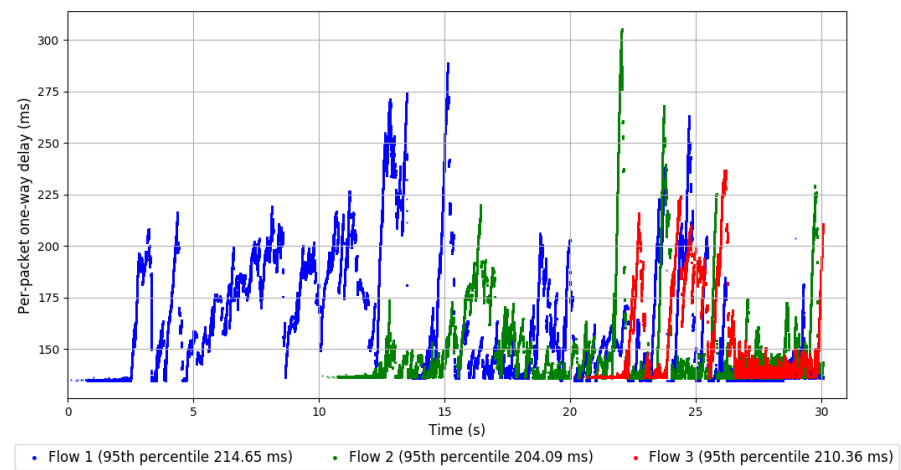
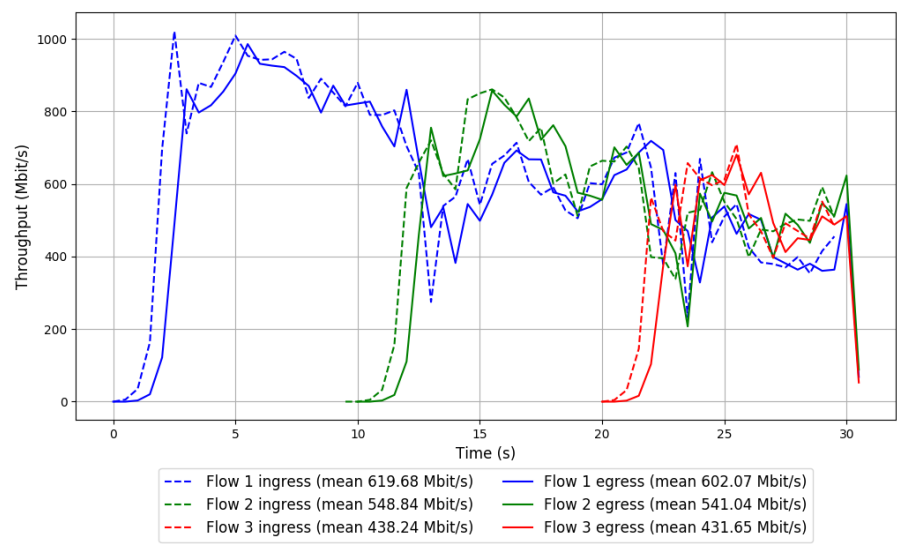


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-11 08:45:11
End at: 2018-08-11 08:45:41
Local clock offset: 0.068 ms
Remote clock offset: -0.203 ms

```
# Below is generated by plot.py at 2018-08-11 13:00:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1105.20 Mbit/s
95th percentile per-packet one-way delay: 211.204 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 602.07 Mbit/s
95th percentile per-packet one-way delay: 214.645 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 541.04 Mbit/s
95th percentile per-packet one-way delay: 204.086 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 431.65 Mbit/s
95th percentile per-packet one-way delay: 210.357 ms
Loss rate: 1.48%
```


Run 5: Report of FillP-Sheep — Data Link

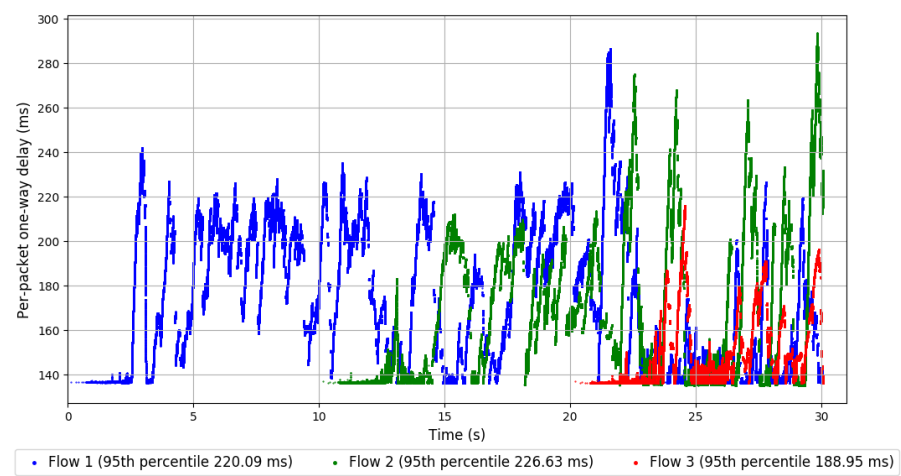
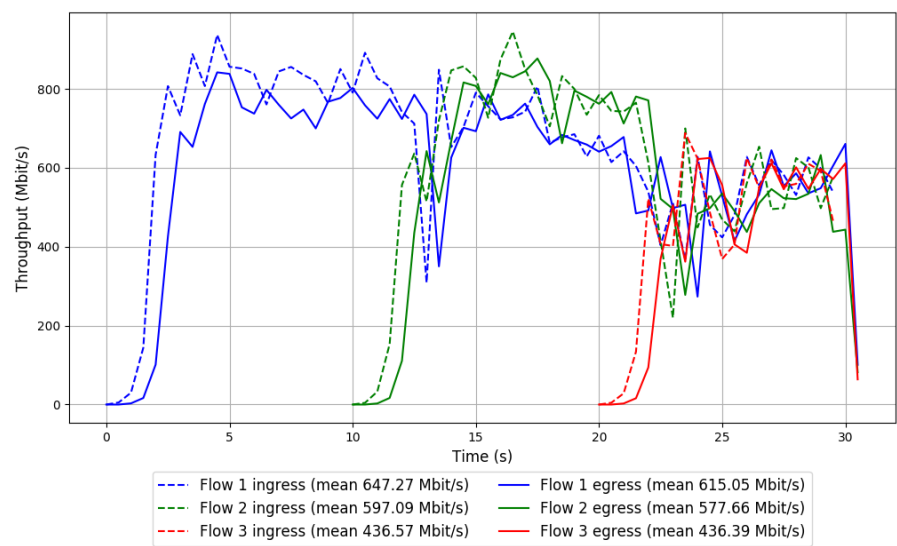


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-11 09:13:12
End at: 2018-08-11 09:13:42
Local clock offset: -0.048 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-08-11 13:05:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 1143.46 Mbit/s
95th percentile per-packet one-way delay: 219.579 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 615.05 Mbit/s
95th percentile per-packet one-way delay: 220.090 ms
Loss rate: 4.98%
-- Flow 2:
Average throughput: 577.66 Mbit/s
95th percentile per-packet one-way delay: 226.628 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 436.39 Mbit/s
95th percentile per-packet one-way delay: 188.949 ms
Loss rate: 0.04%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-11 09:41:26

End at: 2018-08-11 09:41:56

Local clock offset: -0.091 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-08-11 13:22:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1134.91 Mbit/s

95th percentile per-packet one-way delay: 219.753 ms

Loss rate: 2.97%

-- Flow 1:

Average throughput: 632.09 Mbit/s

95th percentile per-packet one-way delay: 211.260 ms

Loss rate: 3.34%

-- Flow 2:

Average throughput: 546.08 Mbit/s

95th percentile per-packet one-way delay: 220.781 ms

Loss rate: 2.08%

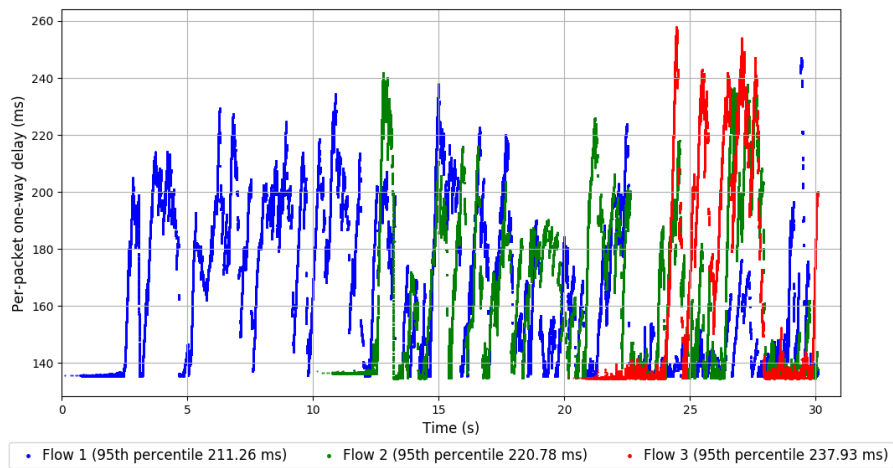
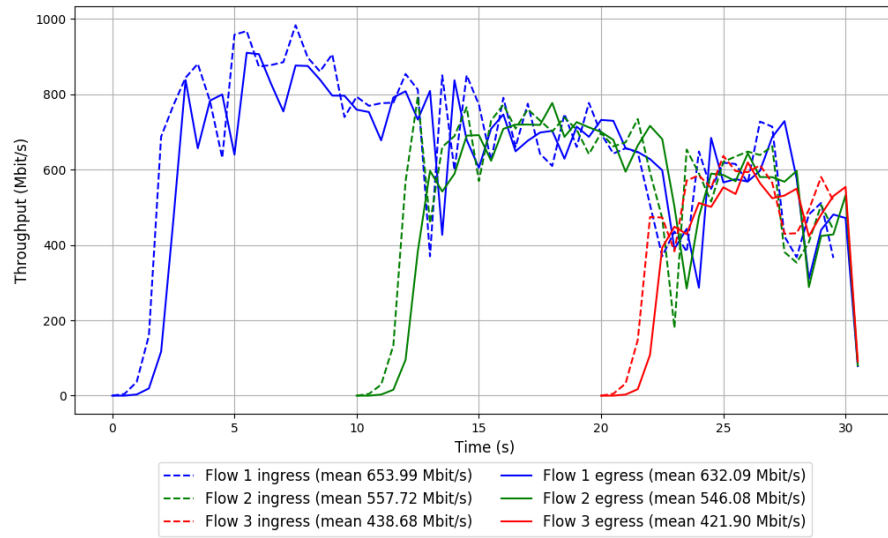
-- Flow 3:

Average throughput: 421.90 Mbit/s

95th percentile per-packet one-way delay: 237.933 ms

Loss rate: 3.59%

Run 7: Report of FillP-Sheep — Data Link

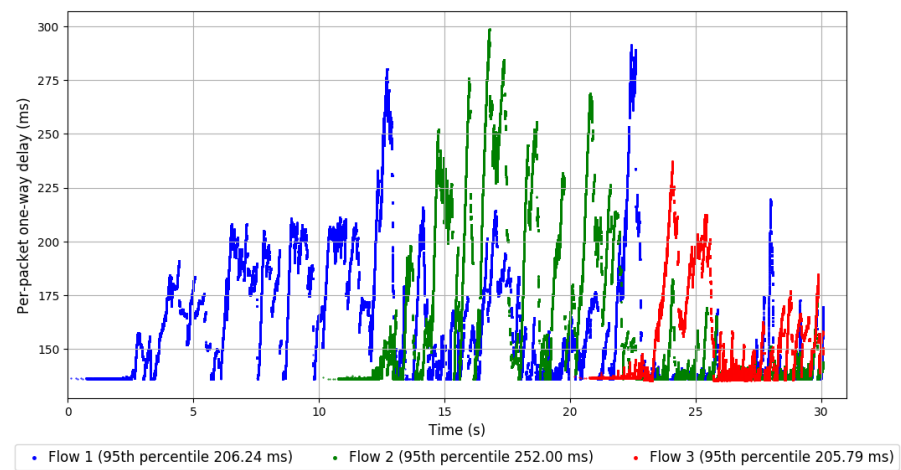
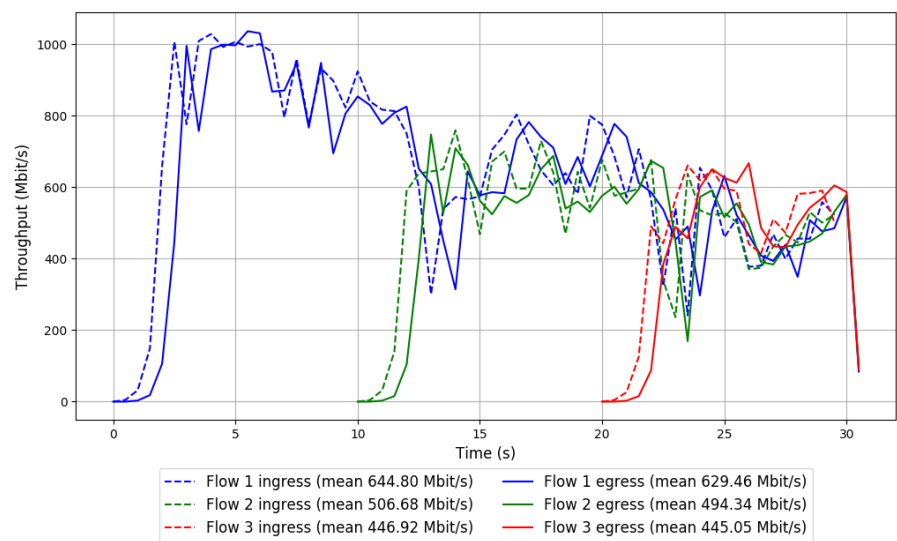


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-11 10:09:27
End at: 2018-08-11 10:09:57
Local clock offset: 0.031 ms
Remote clock offset: -0.221 ms

```
# Below is generated by plot.py at 2018-08-11 13:22:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1105.95 Mbit/s
95th percentile per-packet one-way delay: 226.602 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 629.46 Mbit/s
95th percentile per-packet one-way delay: 206.236 ms
Loss rate: 2.36%
-- Flow 2:
Average throughput: 494.34 Mbit/s
95th percentile per-packet one-way delay: 252.002 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 445.05 Mbit/s
95th percentile per-packet one-way delay: 205.793 ms
Loss rate: 0.37%
```

Run 8: Report of FillP-Sheep — Data Link

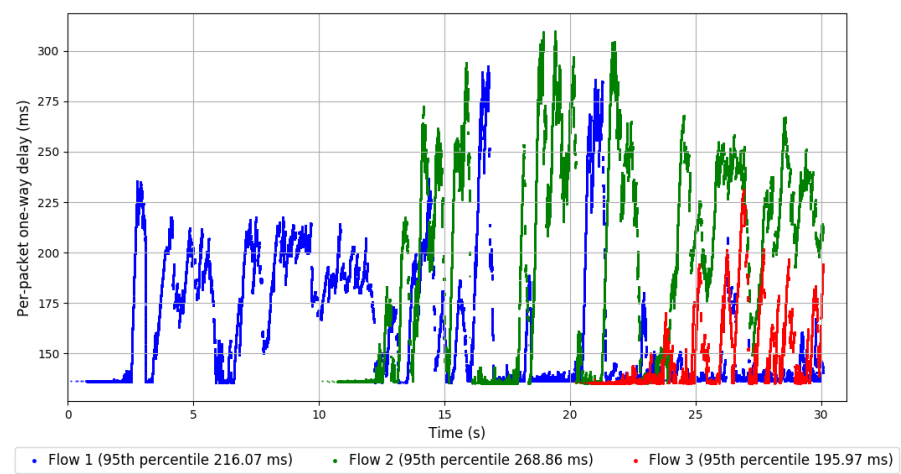
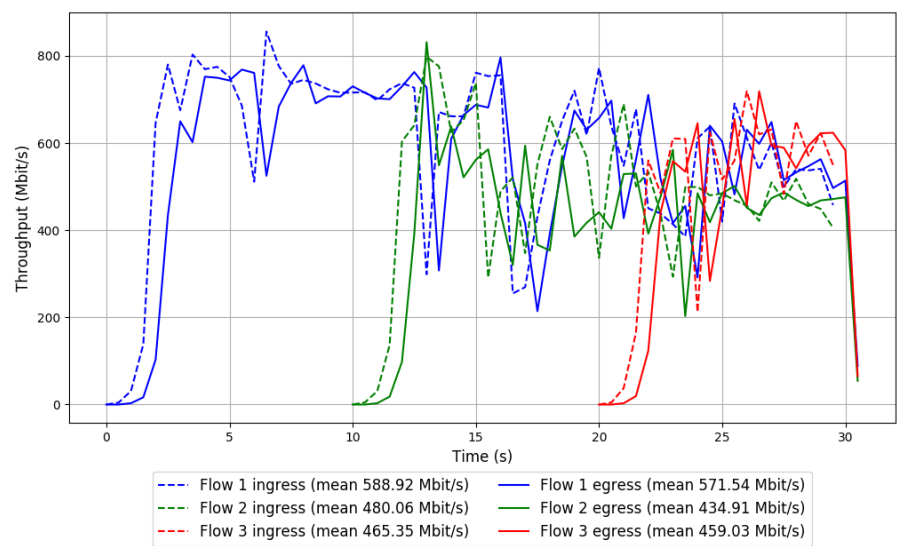


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-11 10:37:24
End at: 2018-08-11 10:37:54
Local clock offset: -0.044 ms
Remote clock offset: -0.542 ms

Below is generated by plot.py at 2018-08-11 13:22:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1013.23 Mbit/s
95th percentile per-packet one-way delay: 248.843 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 571.54 Mbit/s
95th percentile per-packet one-way delay: 216.075 ms
Loss rate: 2.95%
-- Flow 2:
Average throughput: 434.91 Mbit/s
95th percentile per-packet one-way delay: 268.860 ms
Loss rate: 9.40%
-- Flow 3:
Average throughput: 459.03 Mbit/s
95th percentile per-packet one-way delay: 195.965 ms
Loss rate: 1.35%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-11 11:05:16

End at: 2018-08-11 11:05:46

Local clock offset: 0.328 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-08-11 13:23:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 1109.43 Mbit/s

95th percentile per-packet one-way delay: 208.091 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 622.39 Mbit/s

95th percentile per-packet one-way delay: 204.284 ms

Loss rate: 1.75%

-- Flow 2:

Average throughput: 526.22 Mbit/s

95th percentile per-packet one-way delay: 213.351 ms

Loss rate: 1.22%

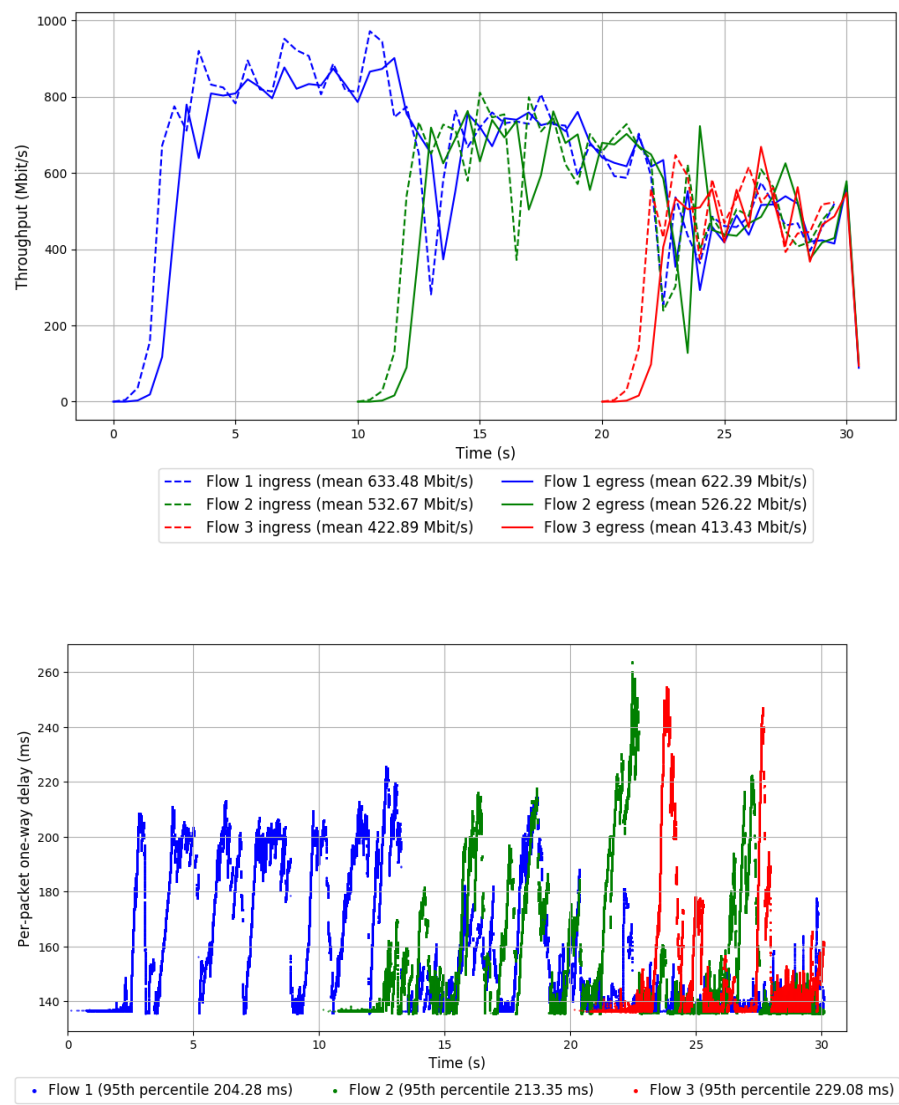
-- Flow 3:

Average throughput: 413.43 Mbit/s

95th percentile per-packet one-way delay: 229.080 ms

Loss rate: 2.24%

Run 10: Report of FillP-Sheep — Data Link

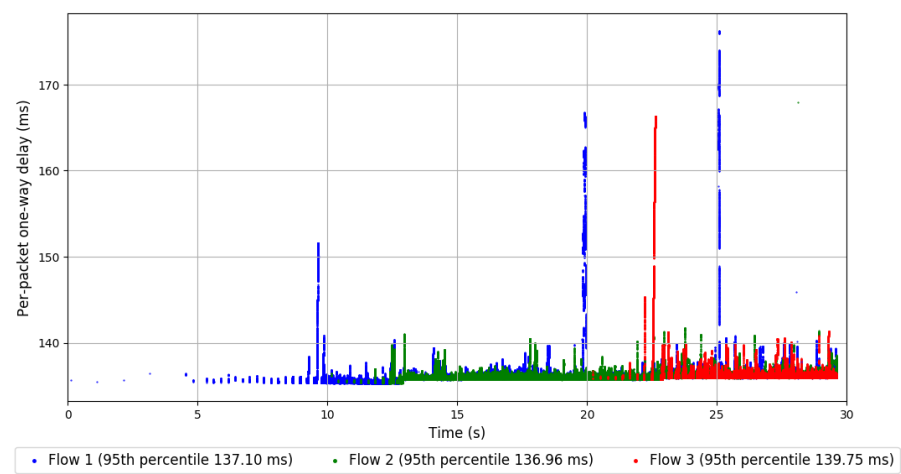
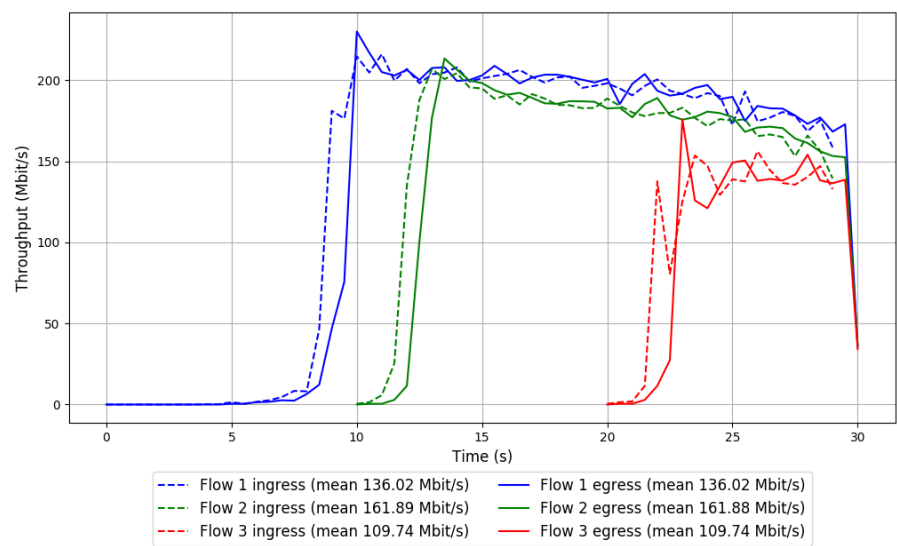


Run 1: Statistics of Indigo

Start at: 2018-08-11 06:58:36
End at: 2018-08-11 06:59:06
Local clock offset: 0.069 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-08-11 13:23:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.86 Mbit/s
95th percentile per-packet one-way delay: 137.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.02 Mbit/s
95th percentile per-packet one-way delay: 137.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 161.88 Mbit/s
95th percentile per-packet one-way delay: 136.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.74 Mbit/s
95th percentile per-packet one-way delay: 139.747 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

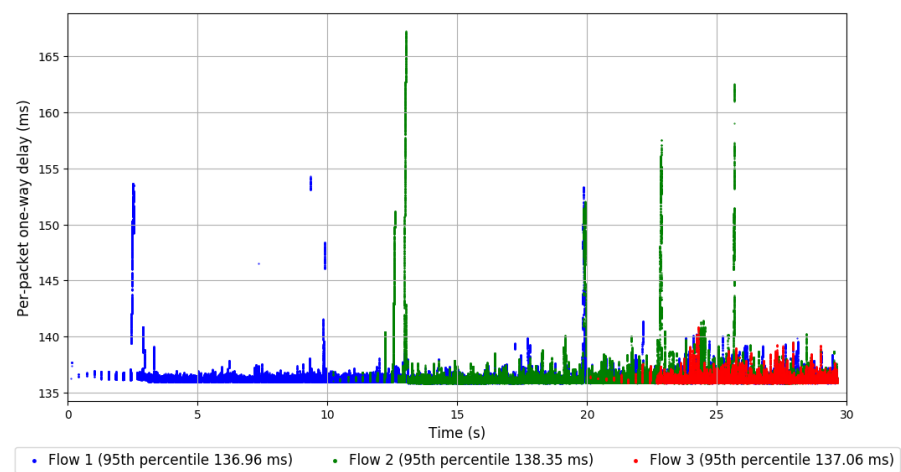
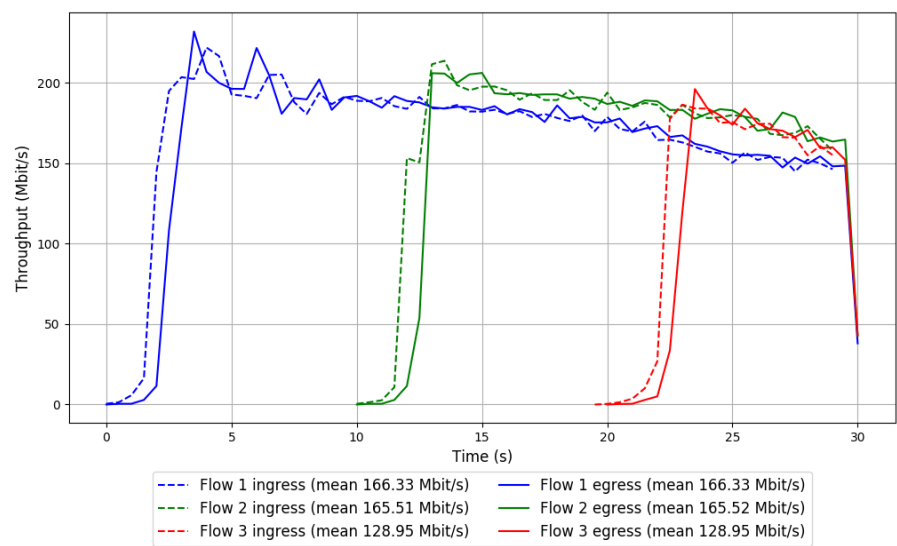


Run 2: Statistics of Indigo

Start at: 2018-08-11 07:27:06
End at: 2018-08-11 07:27:36
Local clock offset: -0.015 ms
Remote clock offset: -0.554 ms

Below is generated by plot.py at 2018-08-11 13:23:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.72 Mbit/s
95th percentile per-packet one-way delay: 137.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.33 Mbit/s
95th percentile per-packet one-way delay: 136.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 165.52 Mbit/s
95th percentile per-packet one-way delay: 138.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.95 Mbit/s
95th percentile per-packet one-way delay: 137.057 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

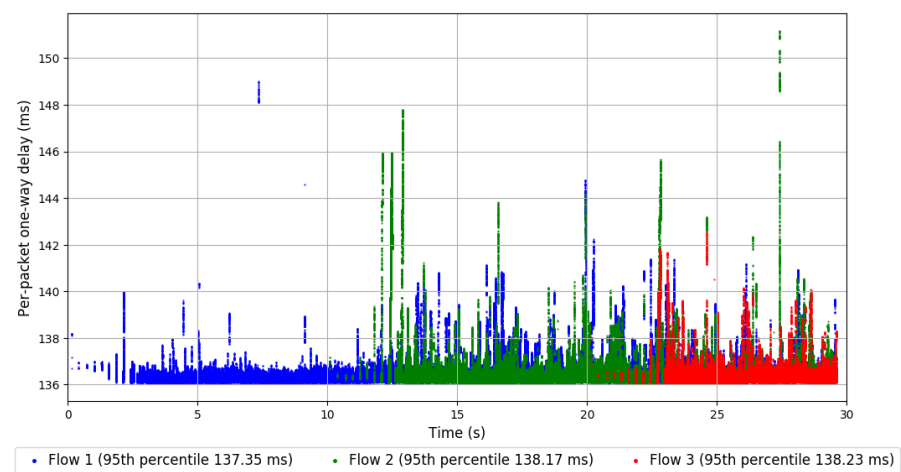
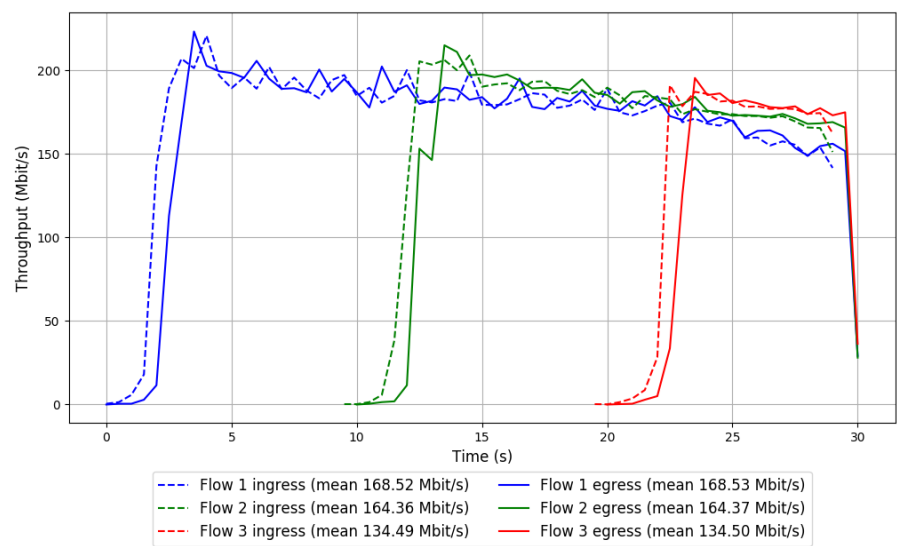


Run 3: Statistics of Indigo

Start at: 2018-08-11 07:55:27
End at: 2018-08-11 07:55:57
Local clock offset: 0.037 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2018-08-11 13:23:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.48 Mbit/s
95th percentile per-packet one-way delay: 137.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.53 Mbit/s
95th percentile per-packet one-way delay: 137.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.37 Mbit/s
95th percentile per-packet one-way delay: 138.170 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.50 Mbit/s
95th percentile per-packet one-way delay: 138.226 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

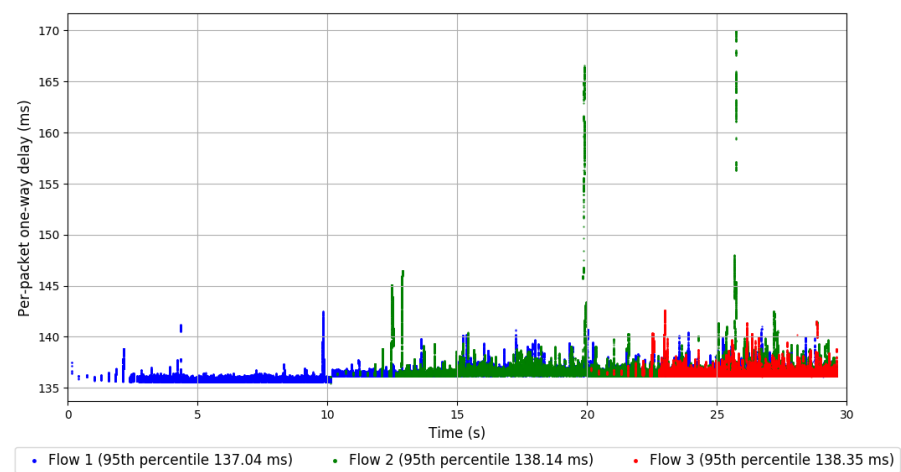
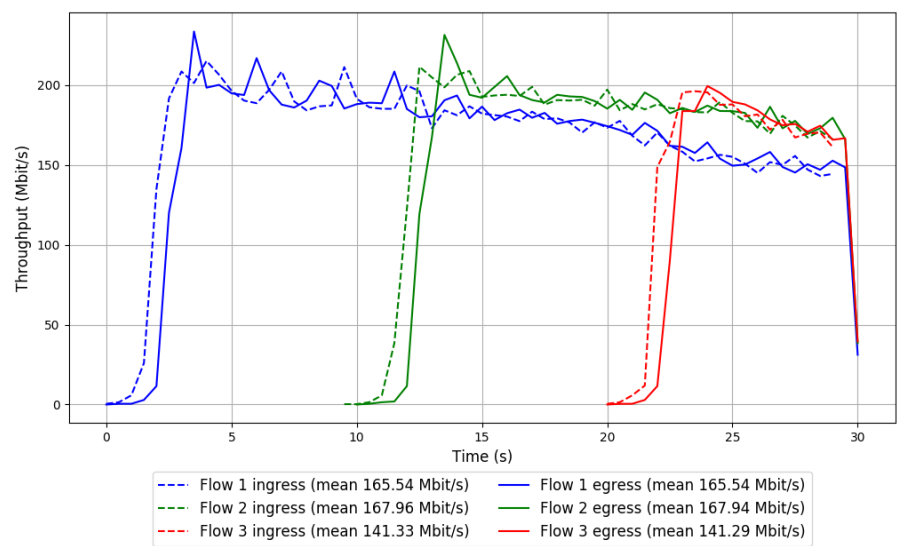


Run 4: Statistics of Indigo

Start at: 2018-08-11 08:23:49
End at: 2018-08-11 08:24:19
Local clock offset: 0.053 ms
Remote clock offset: -0.224 ms

```
# Below is generated by plot.py at 2018-08-11 13:23:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 321.99 Mbit/s
95th percentile per-packet one-way delay: 137.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.54 Mbit/s
95th percentile per-packet one-way delay: 137.041 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 167.94 Mbit/s
95th percentile per-packet one-way delay: 138.139 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 141.29 Mbit/s
95th percentile per-packet one-way delay: 138.346 ms
Loss rate: 0.02%
```

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

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

End at: 2018-08-11 08:52:38

Local clock offset: 0.183 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-08-11 13:23:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.97 Mbit/s

95th percentile per-packet one-way delay: 137.640 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 167.12 Mbit/s

95th percentile per-packet one-way delay: 137.212 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 163.70 Mbit/s

95th percentile per-packet one-way delay: 137.762 ms

Loss rate: 0.00%

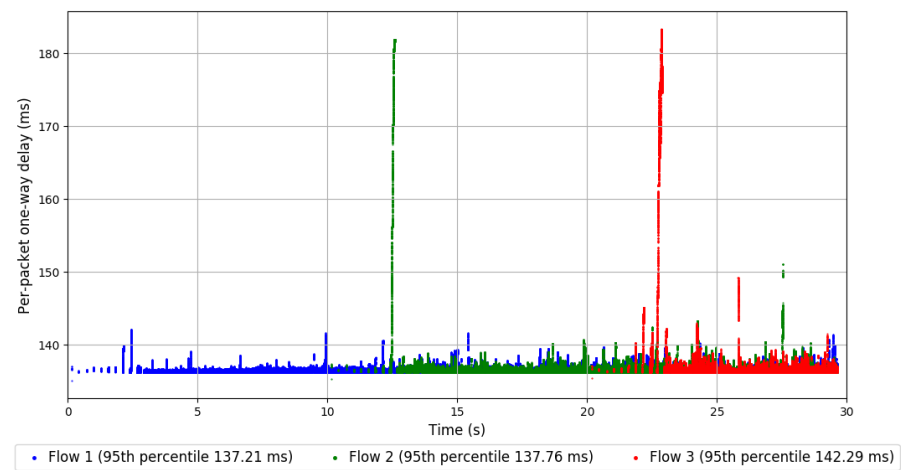
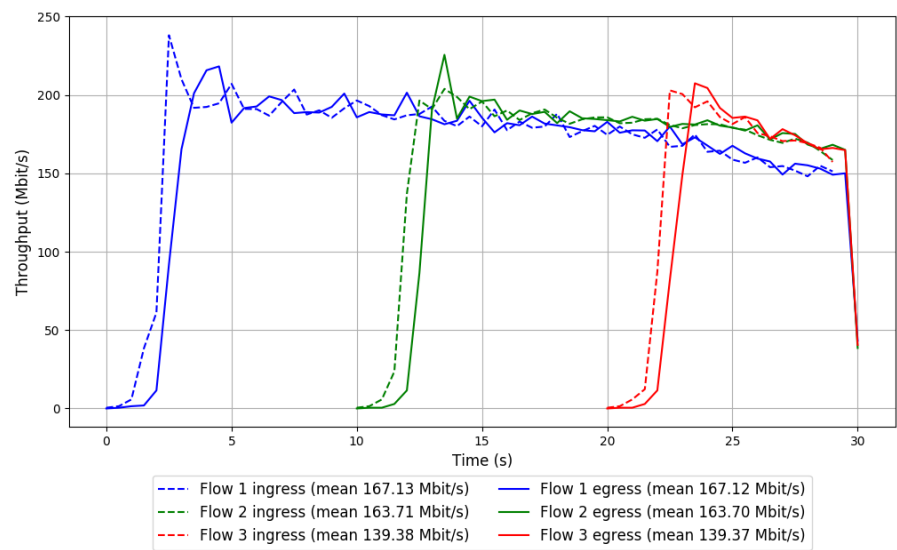
-- Flow 3:

Average throughput: 139.37 Mbit/s

95th percentile per-packet one-way delay: 142.291 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

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

End at: 2018-08-11 09:20:38

Local clock offset: 0.028 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-08-11 13:23:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.00 Mbit/s

95th percentile per-packet one-way delay: 137.830 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 158.92 Mbit/s

95th percentile per-packet one-way delay: 137.563 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 154.93 Mbit/s

95th percentile per-packet one-way delay: 138.215 ms

Loss rate: 0.00%

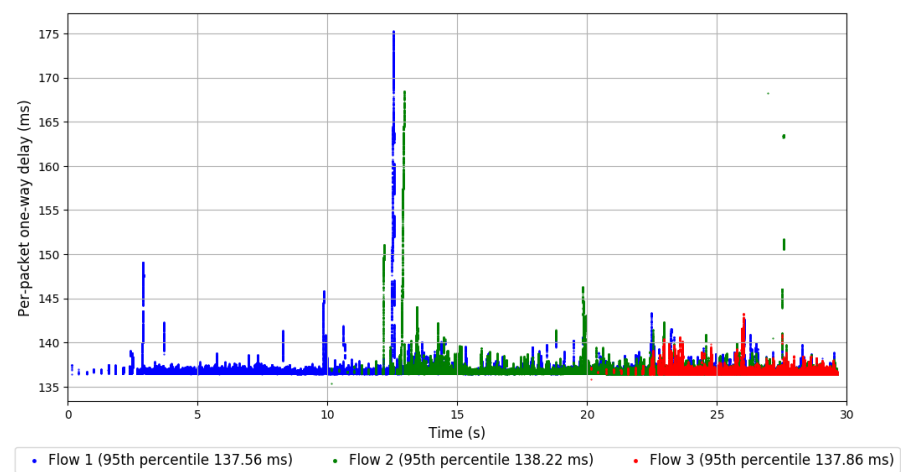
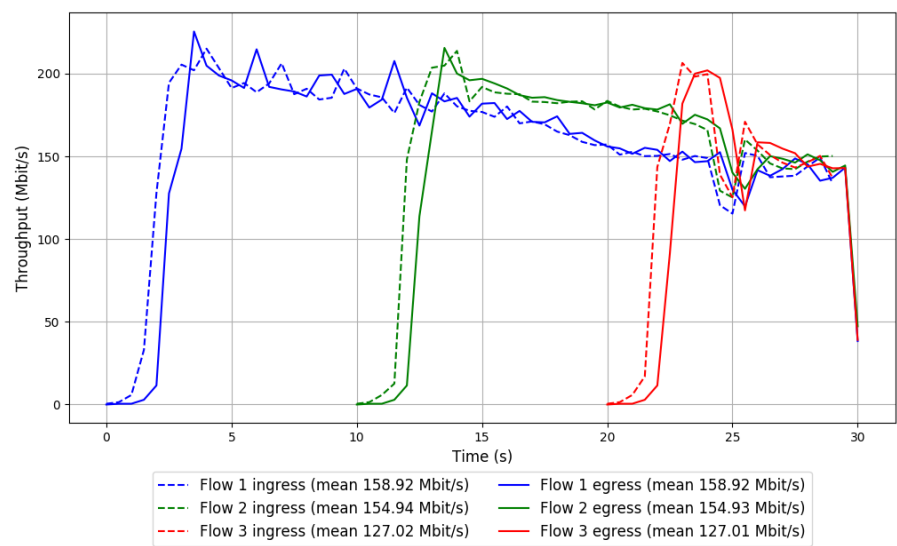
-- Flow 3:

Average throughput: 127.01 Mbit/s

95th percentile per-packet one-way delay: 137.859 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

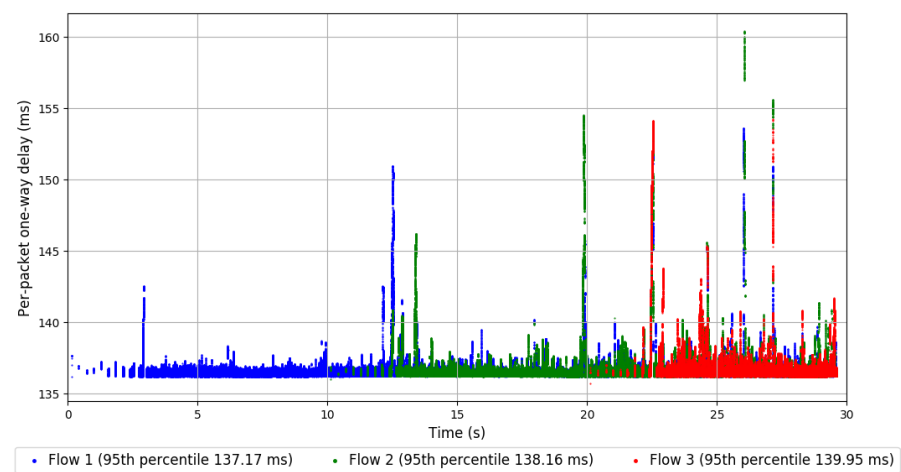
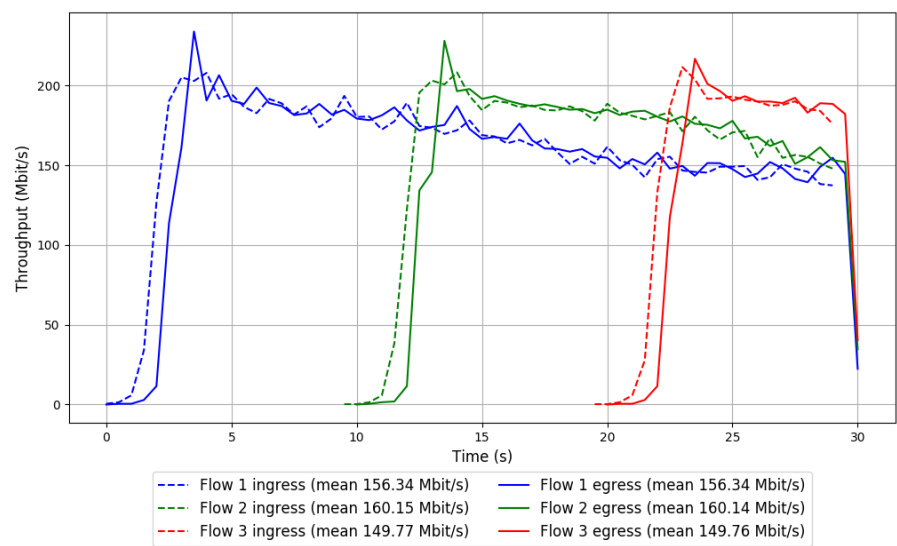


Run 7: Statistics of Indigo

Start at: 2018-08-11 09:48:20
End at: 2018-08-11 09:48:50
Local clock offset: 0.163 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-11 13:23:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.28 Mbit/s
95th percentile per-packet one-way delay: 137.769 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.34 Mbit/s
95th percentile per-packet one-way delay: 137.174 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.14 Mbit/s
95th percentile per-packet one-way delay: 138.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.76 Mbit/s
95th percentile per-packet one-way delay: 139.947 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-11 10:16:15

End at: 2018-08-11 10:16:45

Local clock offset: 0.261 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-08-11 13:23:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.43 Mbit/s

95th percentile per-packet one-way delay: 137.662 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 165.04 Mbit/s

95th percentile per-packet one-way delay: 137.281 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 153.97 Mbit/s

95th percentile per-packet one-way delay: 138.084 ms

Loss rate: 0.00%

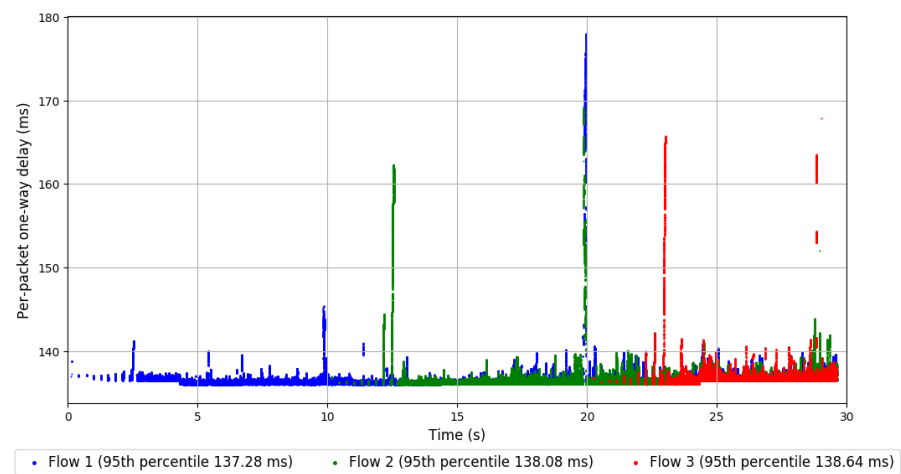
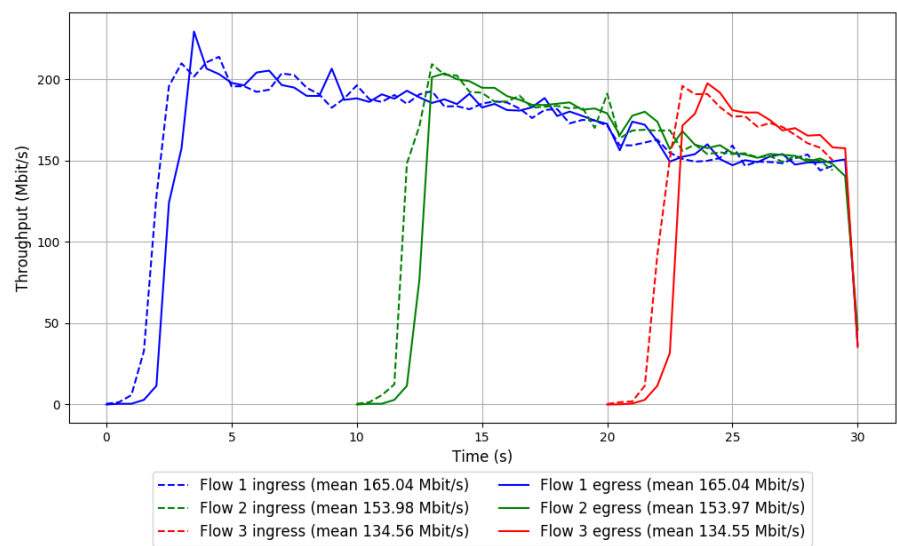
-- Flow 3:

Average throughput: 134.55 Mbit/s

95th percentile per-packet one-way delay: 138.643 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

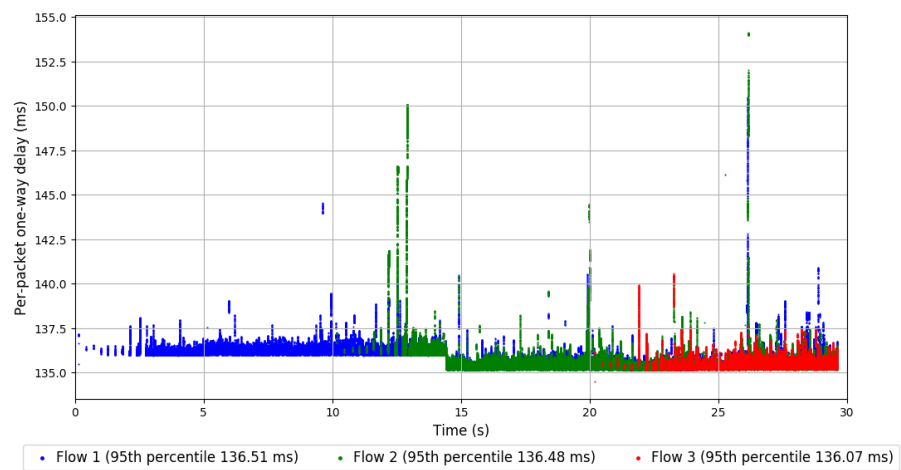
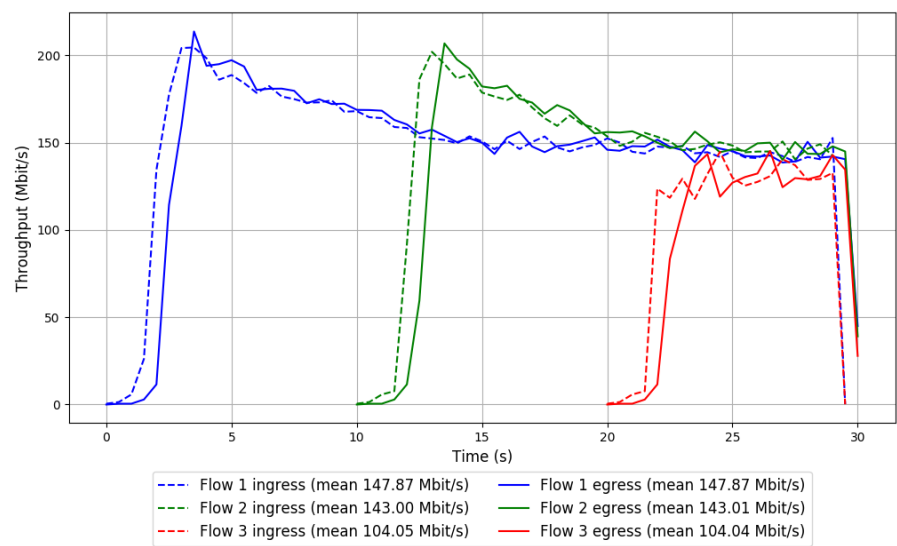


Run 9: Statistics of Indigo

Start at: 2018-08-11 10:43:55
End at: 2018-08-11 10:44:25
Local clock offset: 0.142 ms
Remote clock offset: -0.617 ms

Below is generated by plot.py at 2018-08-11 13:23:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.48 Mbit/s
95th percentile per-packet one-way delay: 136.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.87 Mbit/s
95th percentile per-packet one-way delay: 136.506 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 143.01 Mbit/s
95th percentile per-packet one-way delay: 136.484 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 104.04 Mbit/s
95th percentile per-packet one-way delay: 136.072 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

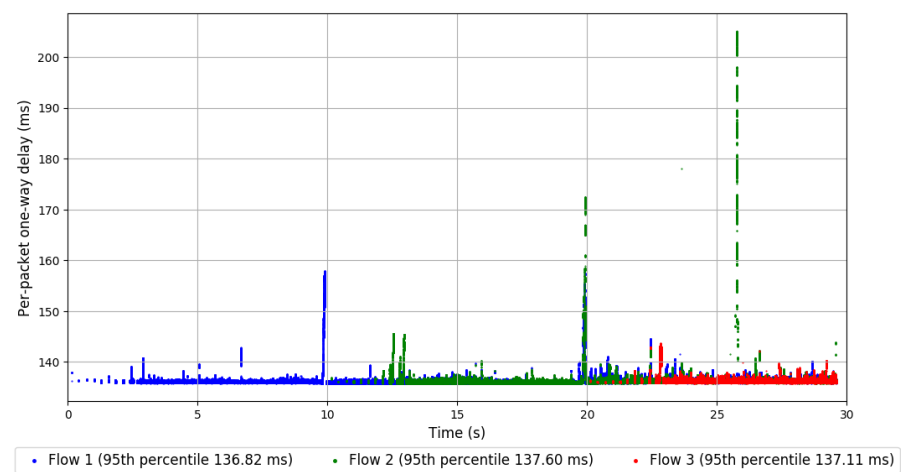
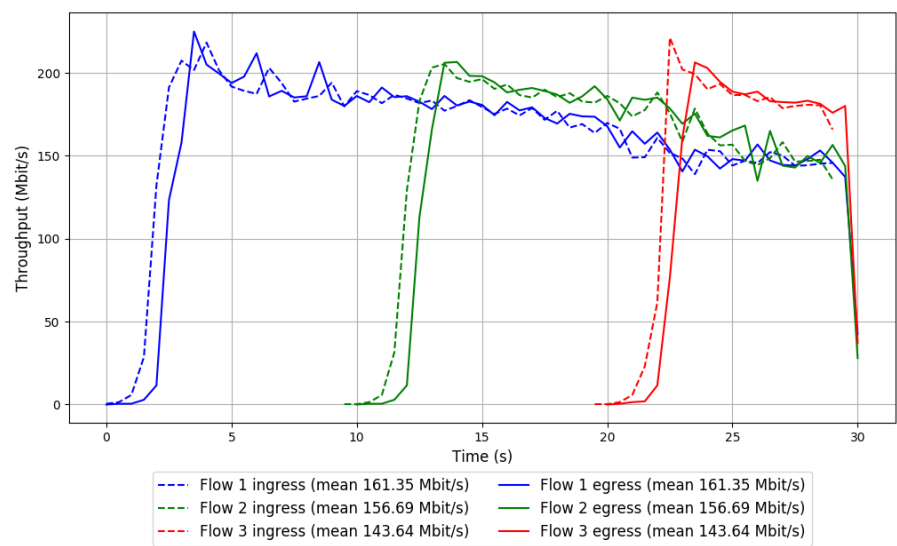


Run 10: Statistics of Indigo

Start at: 2018-08-11 11:11:49
End at: 2018-08-11 11:12:19
Local clock offset: 0.241 ms
Remote clock offset: -0.547 ms

Below is generated by plot.py at 2018-08-11 13:23:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.13 Mbit/s
95th percentile per-packet one-way delay: 137.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.35 Mbit/s
95th percentile per-packet one-way delay: 136.820 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 156.69 Mbit/s
95th percentile per-packet one-way delay: 137.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 143.64 Mbit/s
95th percentile per-packet one-way delay: 137.106 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

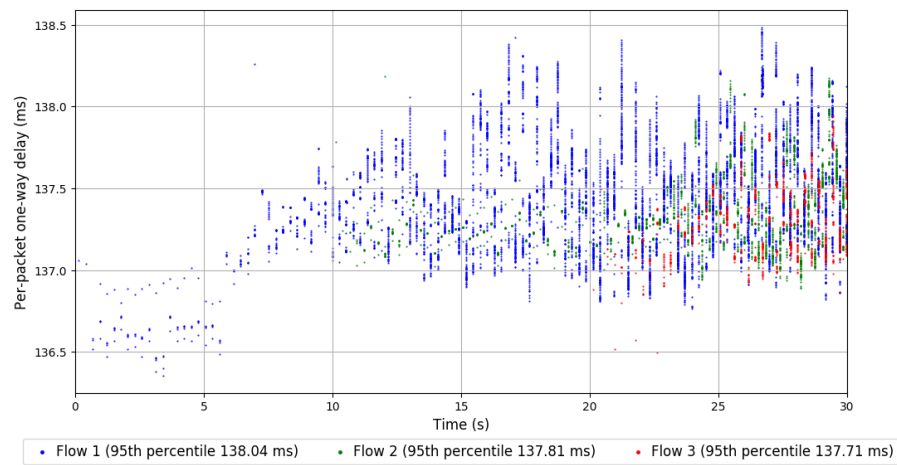
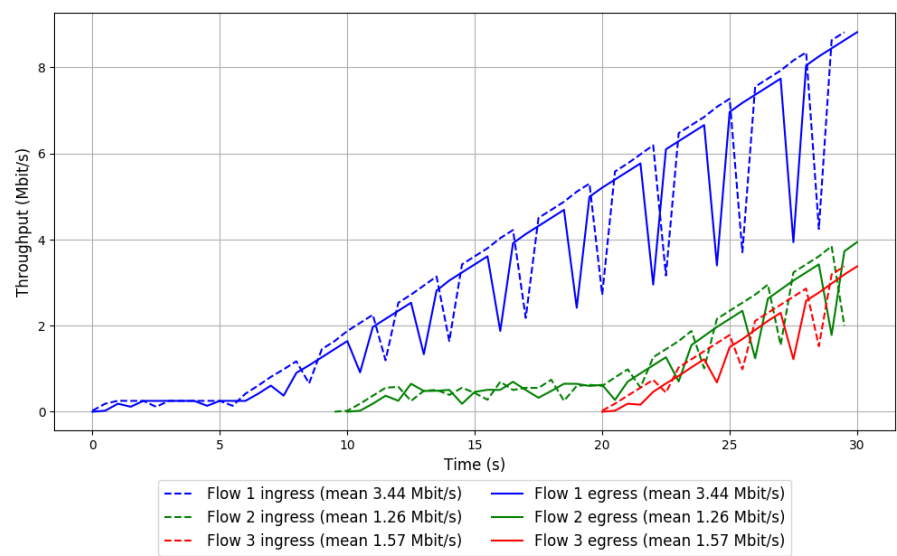


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-11 06:48:43
End at: 2018-08-11 06:49:13
Local clock offset: -0.022 ms
Remote clock offset: 0.214 ms

# Below is generated by plot.py at 2018-08-11 13:23:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 138.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 138.040 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 137.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 137.705 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

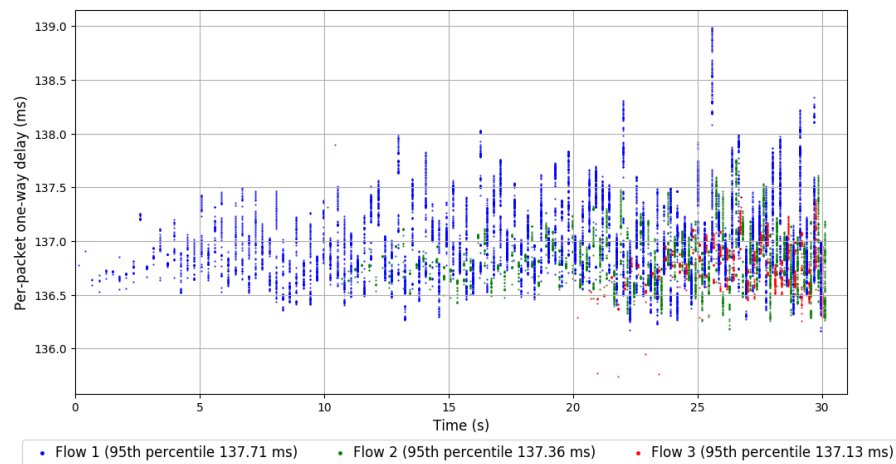
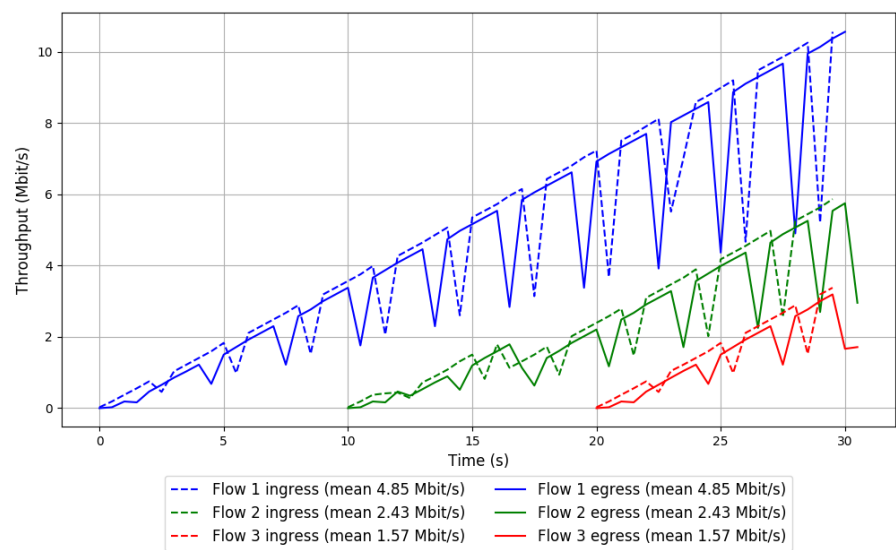


Run 2: Statistics of LEDBAT

Start at: 2018-08-11 07:17:06
End at: 2018-08-11 07:17:36
Local clock offset: 0.091 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-11 13:23:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 137.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.712 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 137.359 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 137.131 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

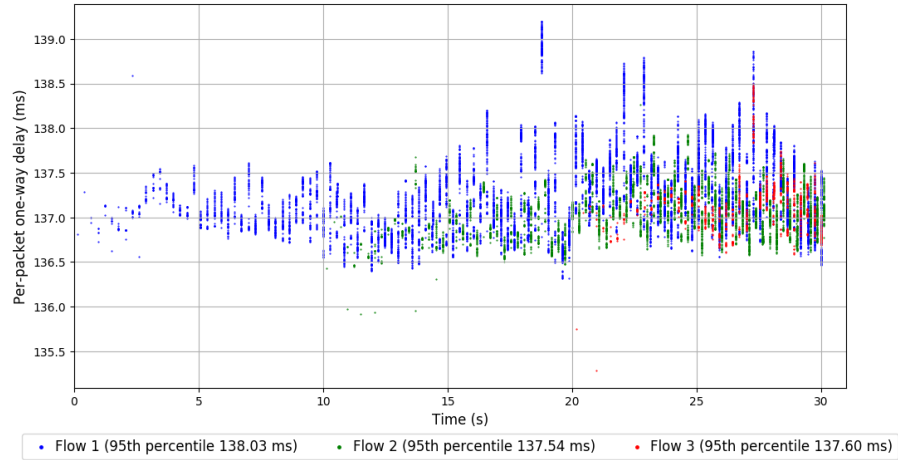
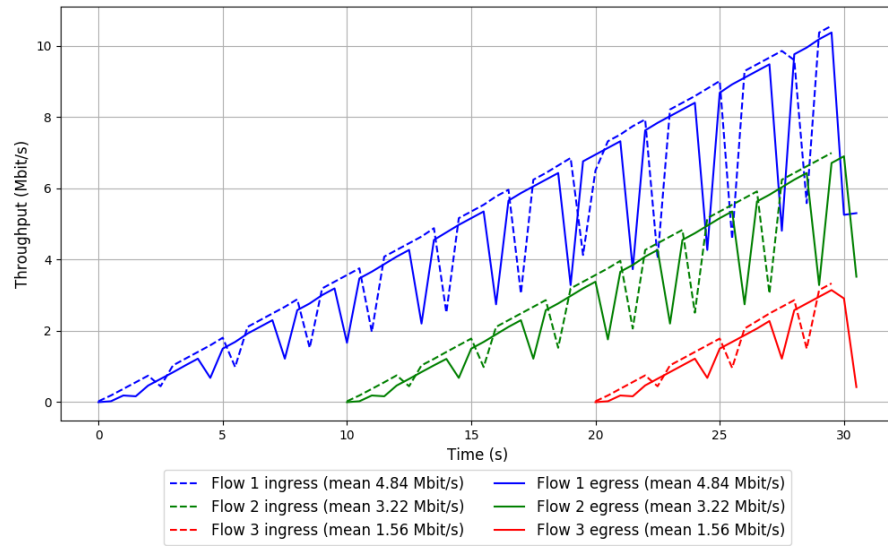


Run 3: Statistics of LEDBAT

Start at: 2018-08-11 07:45:19
End at: 2018-08-11 07:45:49
Local clock offset: -0.041 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-08-11 13:23:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 137.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 138.032 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 137.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 137.598 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

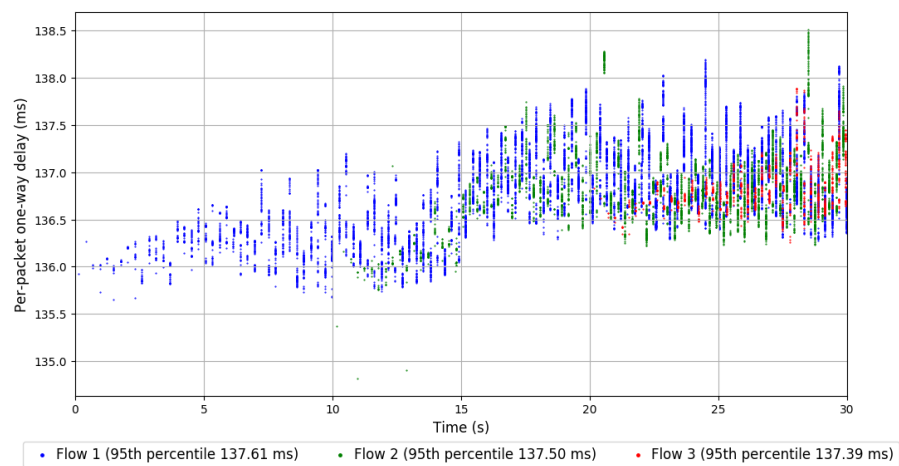
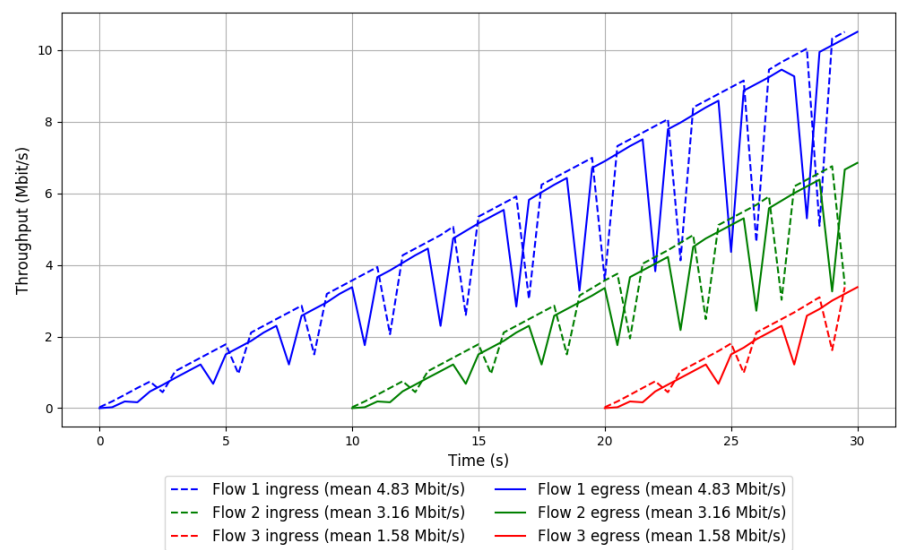


Run 4: Statistics of LEDBAT

Start at: 2018-08-11 08:13:54
End at: 2018-08-11 08:14:24
Local clock offset: 0.026 ms
Remote clock offset: -0.23 ms

```
# Below is generated by plot.py at 2018-08-11 13:23:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 137.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.609 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 137.503 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 137.388 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-11 08:41:58

End at: 2018-08-11 08:42:28

Local clock offset: 0.033 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-08-11 13:23:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.44 Mbit/s

95th percentile per-packet one-way delay: 137.776 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 137.877 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 137.408 ms

Loss rate: 0.00%

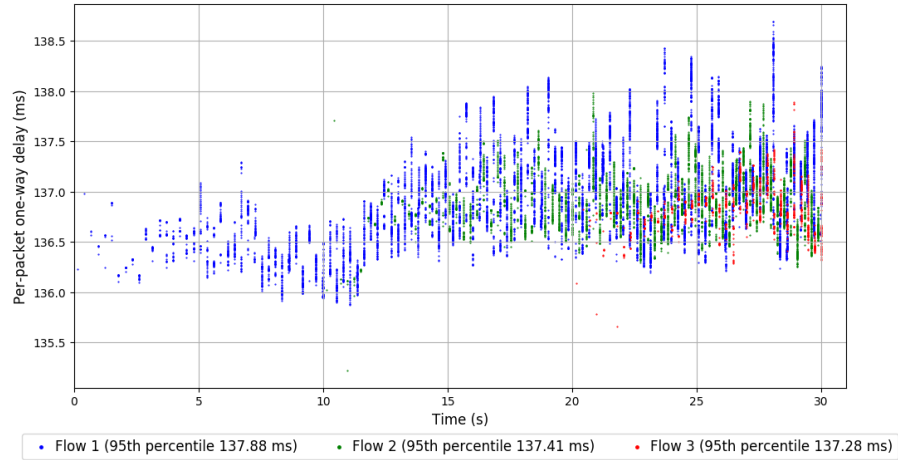
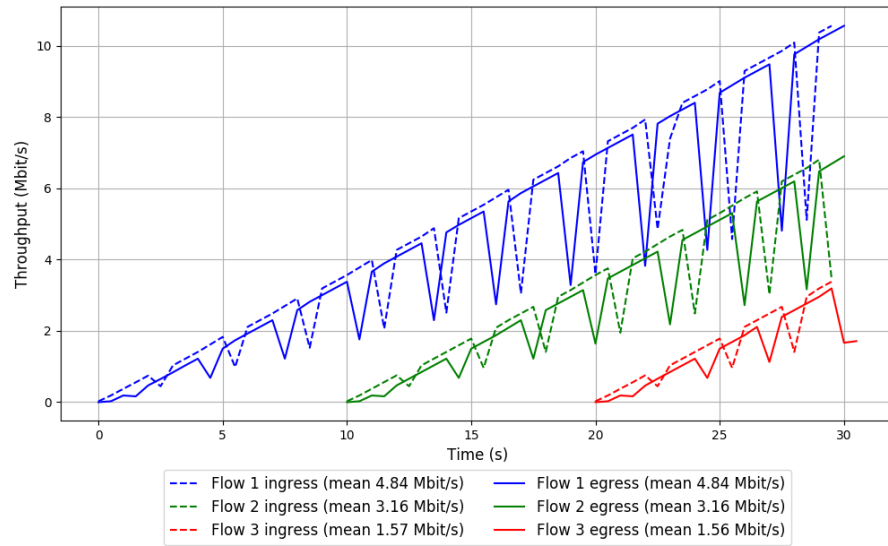
-- Flow 3:

Average throughput: 1.56 Mbit/s

95th percentile per-packet one-way delay: 137.285 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

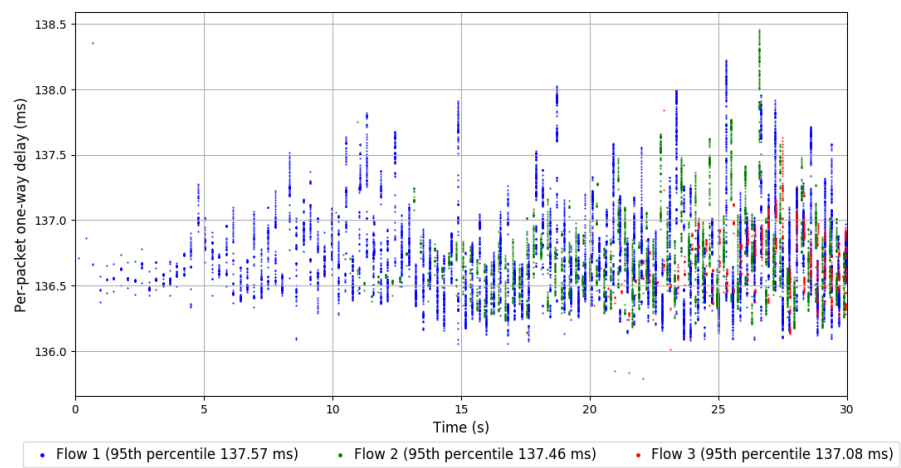
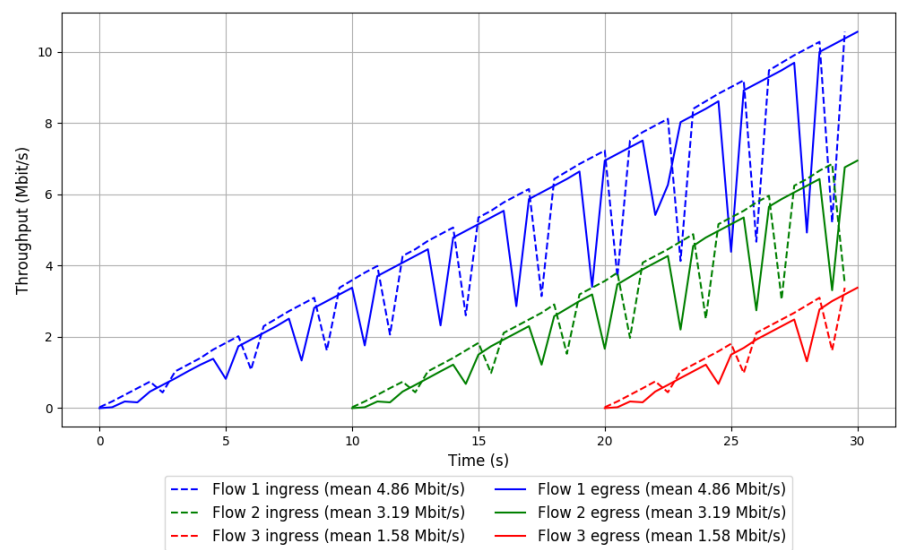


Run 6: Statistics of LEDBAT

Start at: 2018-08-11 09:10:05
End at: 2018-08-11 09:10:35
Local clock offset: 0.098 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-08-11 13:23:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 137.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 137.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 137.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 137.083 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

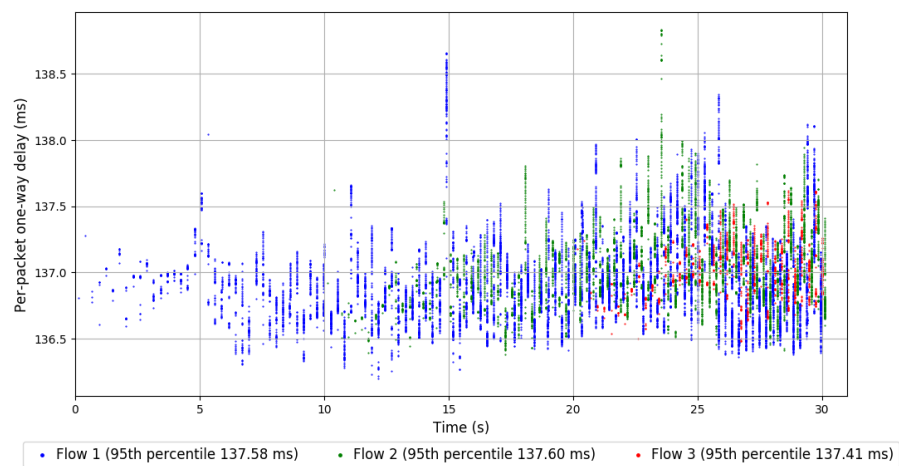
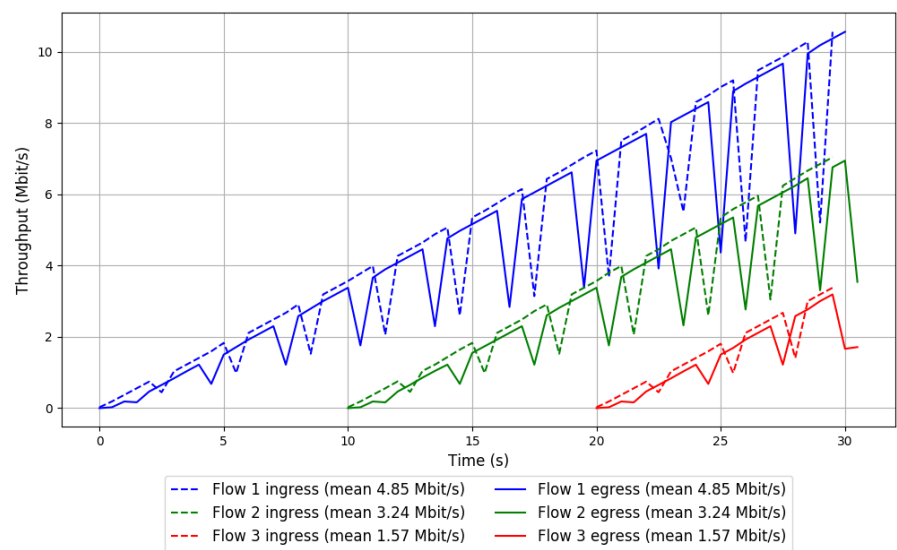


Run 7: Statistics of LEDBAT

Start at: 2018-08-11 09:38:14
End at: 2018-08-11 09:38:44
Local clock offset: -0.14 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-08-11 13:23:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 137.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 137.605 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 137.412 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

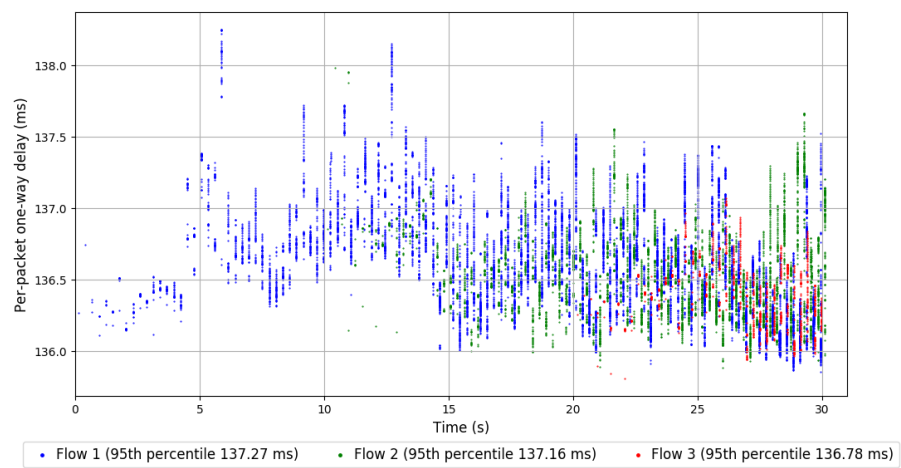
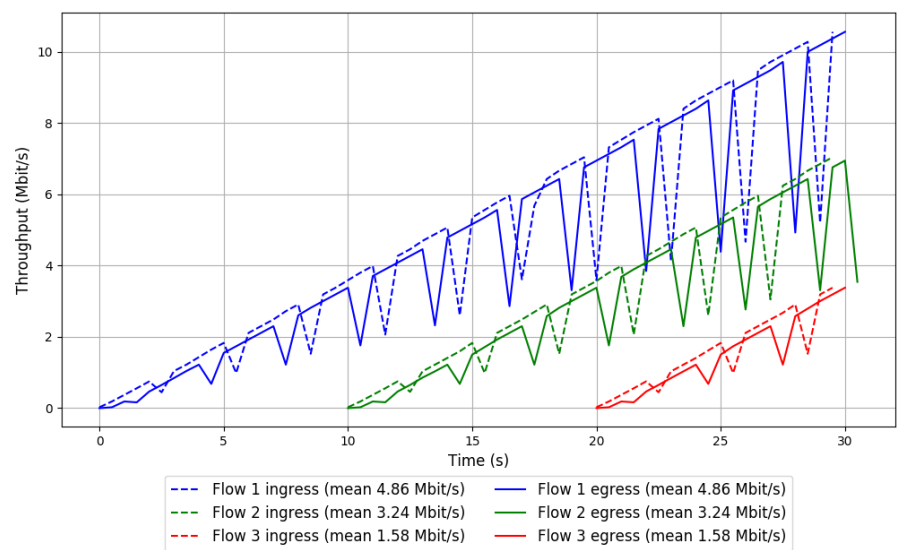


Run 8: Statistics of LEDBAT

Start at: 2018-08-11 10:06:15
End at: 2018-08-11 10:06:45
Local clock offset: 0.014 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-08-11 13:23:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 137.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 137.270 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 137.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 136.785 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-11 10:34:25

End at: 2018-08-11 10:34:55

Local clock offset: 0.124 ms

Remote clock offset: -0.58 ms

Below is generated by plot.py at 2018-08-11 13:23:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 137.263 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 137.301 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.22 Mbit/s

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

Loss rate: 0.00%

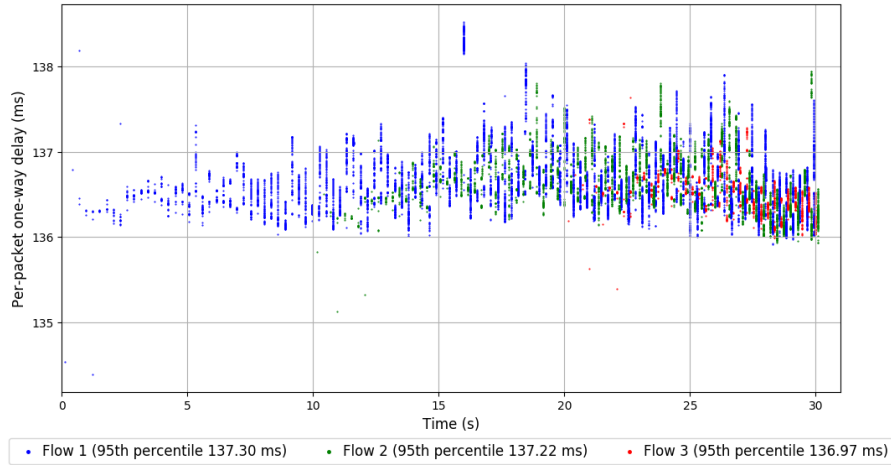
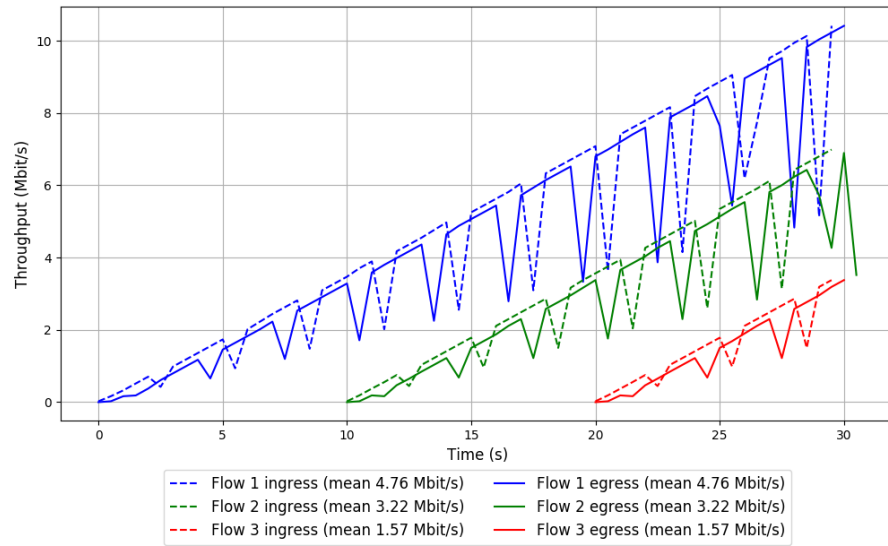
-- Flow 3:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 136.969 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

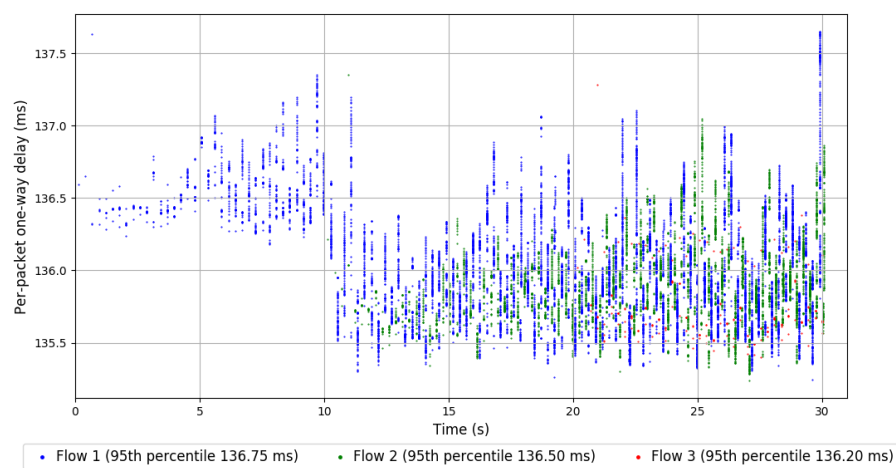
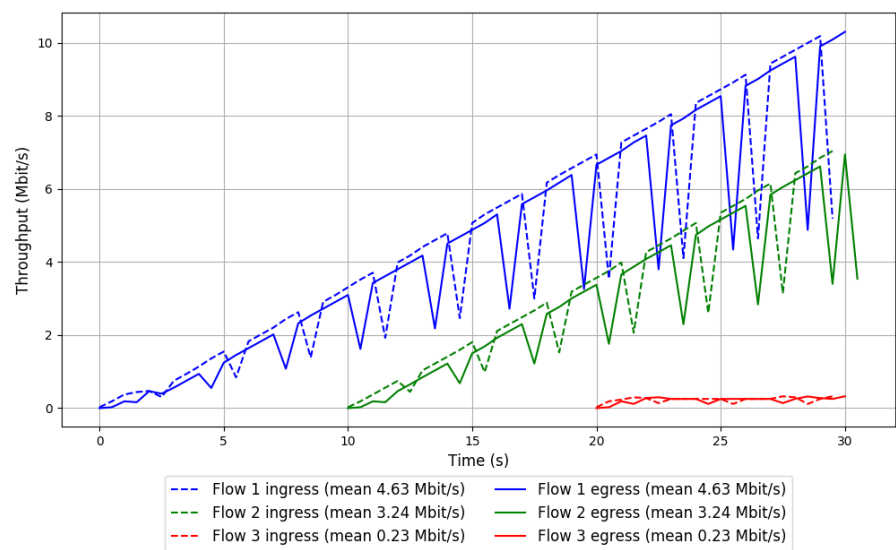


Run 10: Statistics of LEDBAT

Start at: 2018-08-11 11:02:09
End at: 2018-08-11 11:02:39
Local clock offset: 0.175 ms
Remote clock offset: -0.589 ms

Below is generated by plot.py at 2018-08-11 13:23:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 136.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 136.746 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 136.496 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.200 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

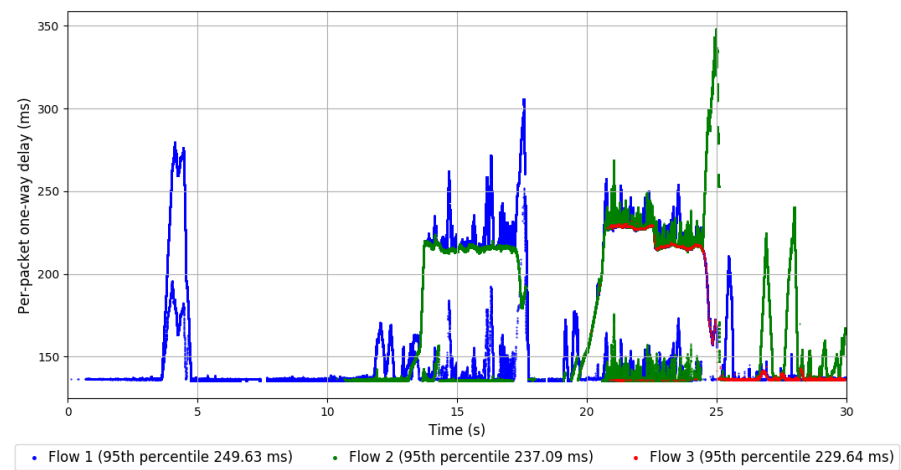
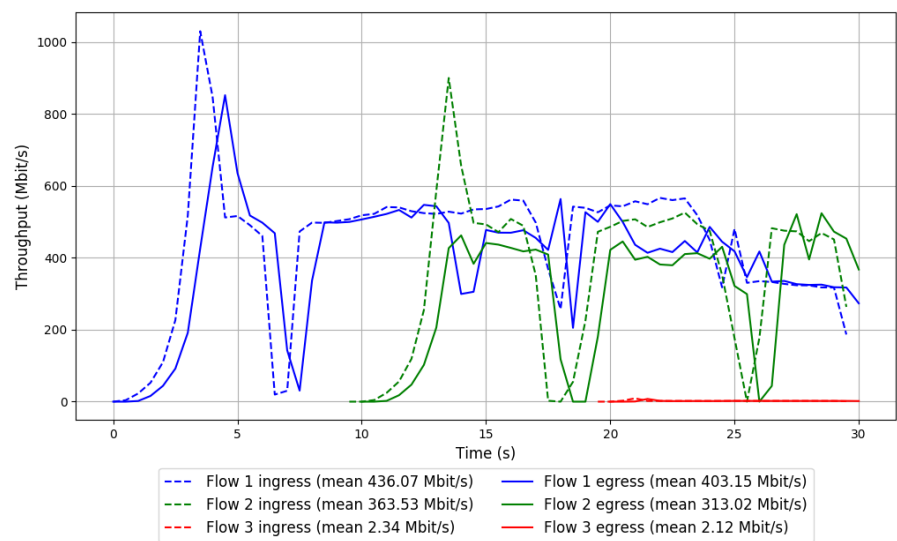


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-11 06:39:05
End at: 2018-08-11 06:39:35
Local clock offset: -0.013 ms
Remote clock offset: -0.186 ms

# Below is generated by plot.py at 2018-08-11 13:26:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 612.18 Mbit/s
95th percentile per-packet one-way delay: 245.016 ms
Loss rate: 9.81%
-- Flow 1:
Average throughput: 403.15 Mbit/s
95th percentile per-packet one-way delay: 249.635 ms
Loss rate: 7.55%
-- Flow 2:
Average throughput: 313.02 Mbit/s
95th percentile per-packet one-way delay: 237.085 ms
Loss rate: 13.89%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 229.638 ms
Loss rate: 9.67%
```

Run 1: Report of PCC-Allegro — Data Link

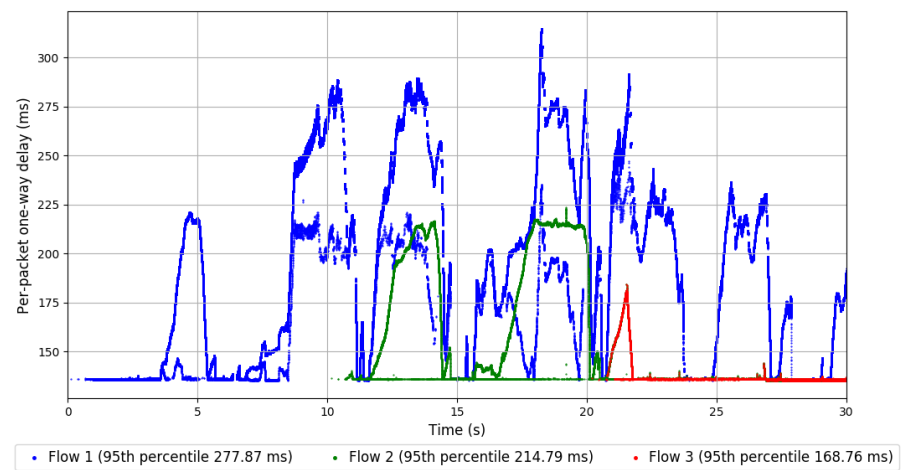
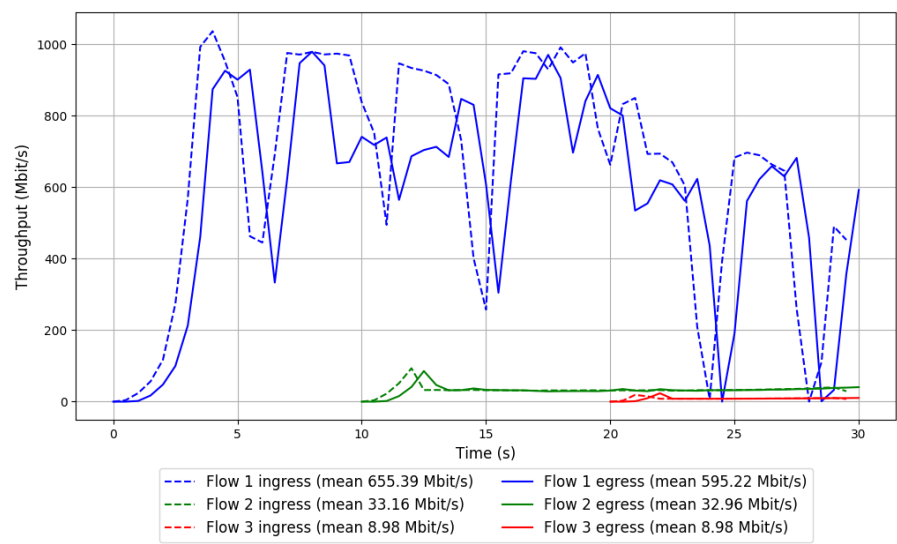


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-11 07:07:22
End at: 2018-08-11 07:07:52
Local clock offset: 0.227 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-08-11 13:28:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 620.06 Mbit/s
95th percentile per-packet one-way delay: 277.594 ms
Loss rate: 8.86%
-- Flow 1:
Average throughput: 595.22 Mbit/s
95th percentile per-packet one-way delay: 277.870 ms
Loss rate: 9.18%
-- Flow 2:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 214.789 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 168.763 ms
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-11 07:35:43

End at: 2018-08-11 07:36:13

Local clock offset: -0.057 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-08-11 13:28:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 630.48 Mbit/s

95th percentile per-packet one-way delay: 260.753 ms

Loss rate: 3.78%

-- Flow 1:

Average throughput: 419.22 Mbit/s

95th percentile per-packet one-way delay: 268.324 ms

Loss rate: 3.32%

-- Flow 2:

Average throughput: 260.11 Mbit/s

95th percentile per-packet one-way delay: 232.335 ms

Loss rate: 4.34%

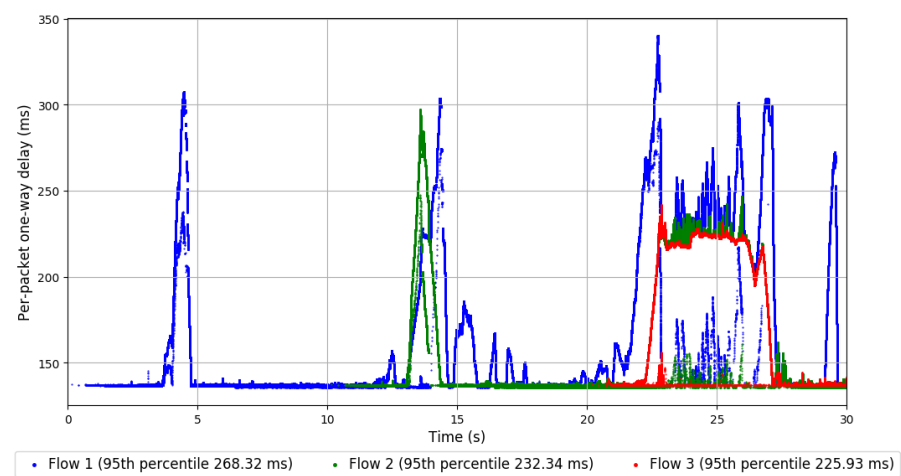
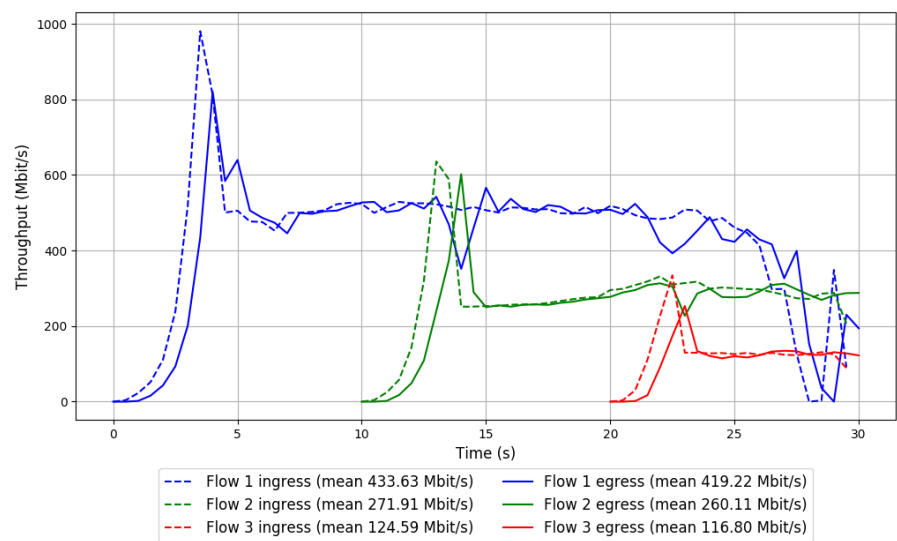
-- Flow 3:

Average throughput: 116.80 Mbit/s

95th percentile per-packet one-way delay: 225.927 ms

Loss rate: 6.22%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-11 08:04:14

End at: 2018-08-11 08:04:44

Local clock offset: 0.002 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-08-11 13:30:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 676.29 Mbit/s

95th percentile per-packet one-way delay: 260.091 ms

Loss rate: 4.36%

-- Flow 1:

Average throughput: 483.95 Mbit/s

95th percentile per-packet one-way delay: 274.591 ms

Loss rate: 4.86%

-- Flow 2:

Average throughput: 259.49 Mbit/s

95th percentile per-packet one-way delay: 225.931 ms

Loss rate: 2.92%

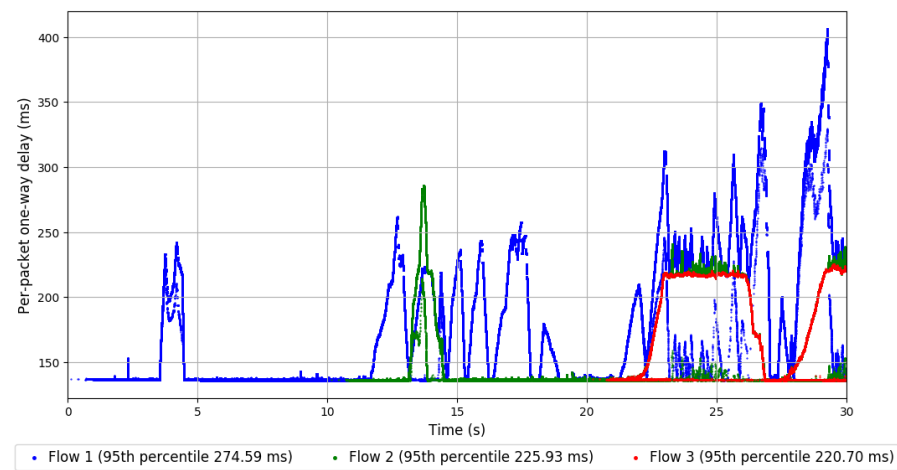
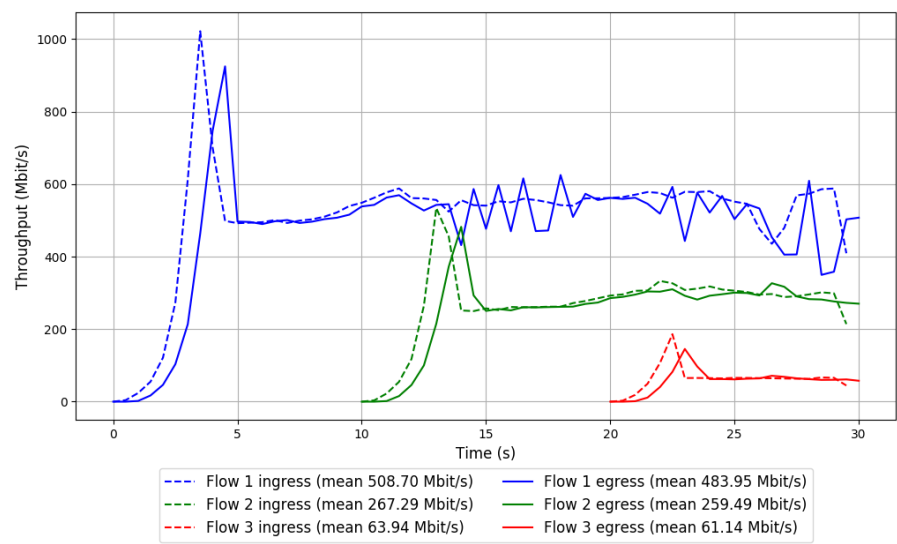
-- Flow 3:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 220.697 ms

Loss rate: 4.37%

Run 4: Report of PCC-Allegro — Data Link

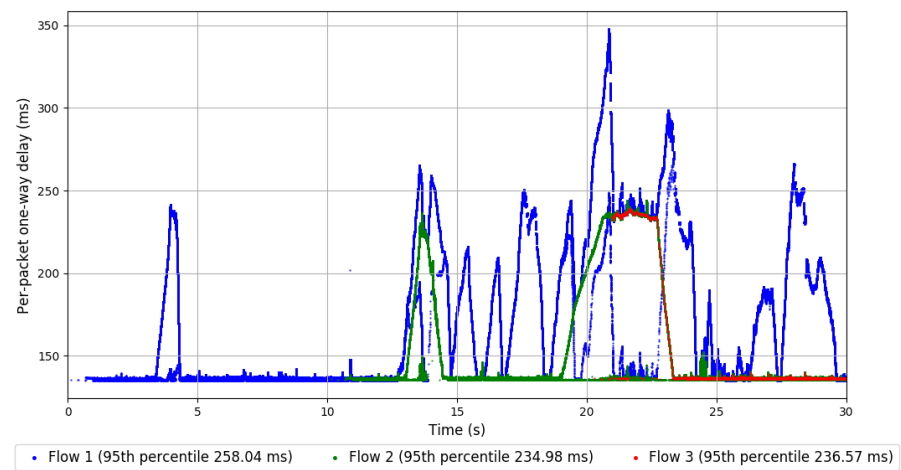
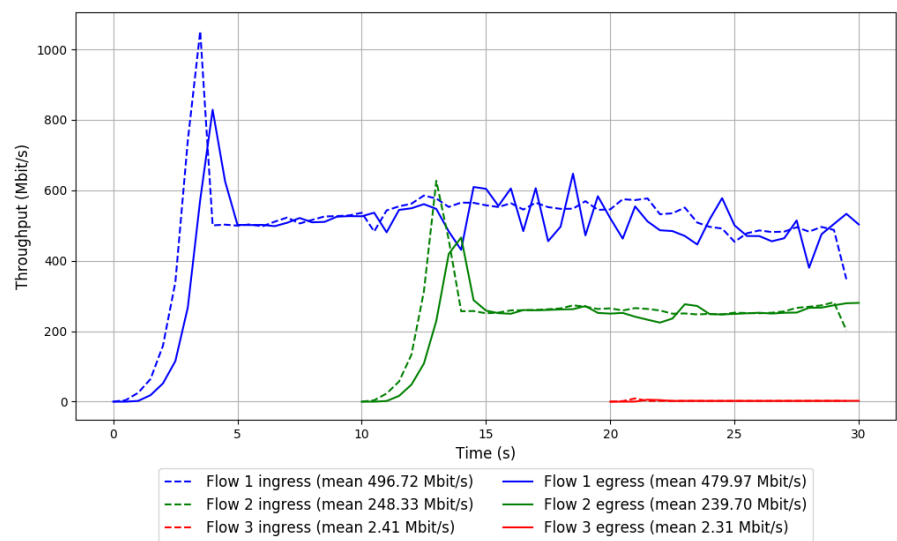


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-11 08:32:33
End at: 2018-08-11 08:33:03
Local clock offset: 0.062 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-11 13:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 640.06 Mbit/s
95th percentile per-packet one-way delay: 249.904 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 479.97 Mbit/s
95th percentile per-packet one-way delay: 258.042 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 239.70 Mbit/s
95th percentile per-packet one-way delay: 234.978 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 236.566 ms
Loss rate: 4.12%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-11 09:00:41

End at: 2018-08-11 09:01:11

Local clock offset: -0.034 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-08-11 13:35:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 666.14 Mbit/s

95th percentile per-packet one-way delay: 301.625 ms

Loss rate: 6.84%

-- Flow 1:

Average throughput: 464.11 Mbit/s

95th percentile per-packet one-way delay: 322.894 ms

Loss rate: 8.30%

-- Flow 2:

Average throughput: 246.22 Mbit/s

95th percentile per-packet one-way delay: 217.894 ms

Loss rate: 3.06%

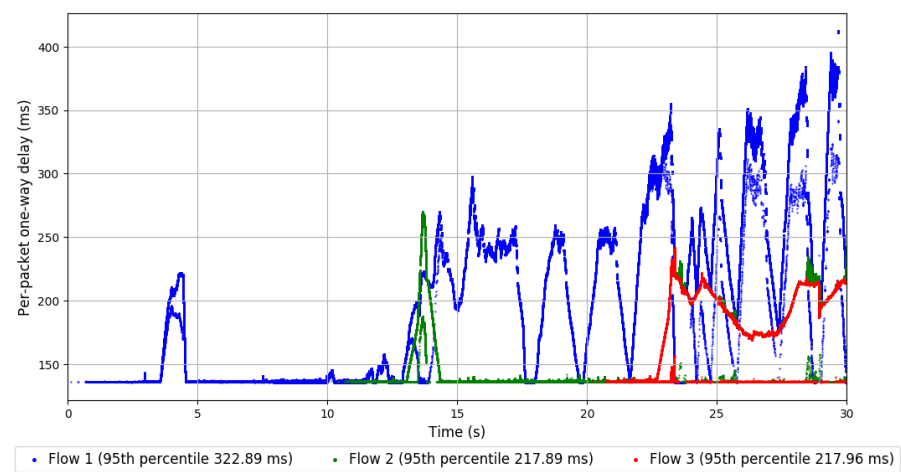
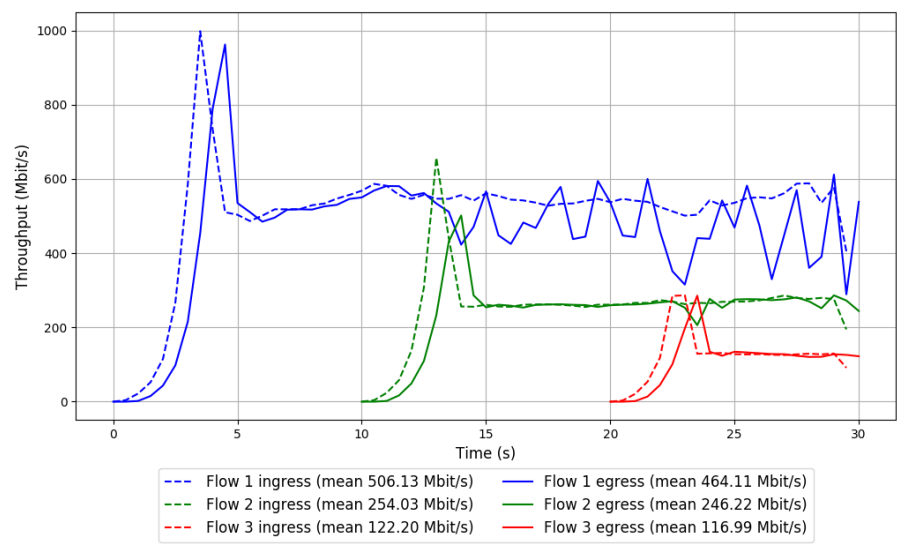
-- Flow 3:

Average throughput: 116.99 Mbit/s

95th percentile per-packet one-way delay: 217.961 ms

Loss rate: 4.25%

Run 6: Report of PCC-Allegro — Data Link

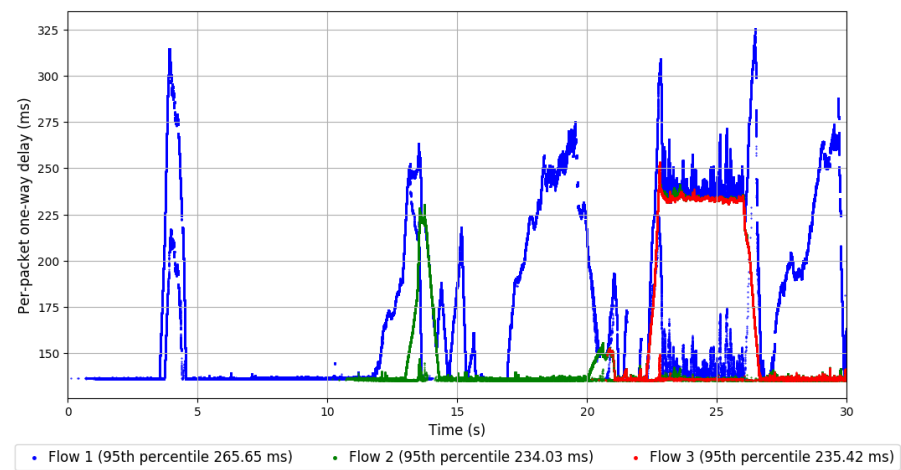
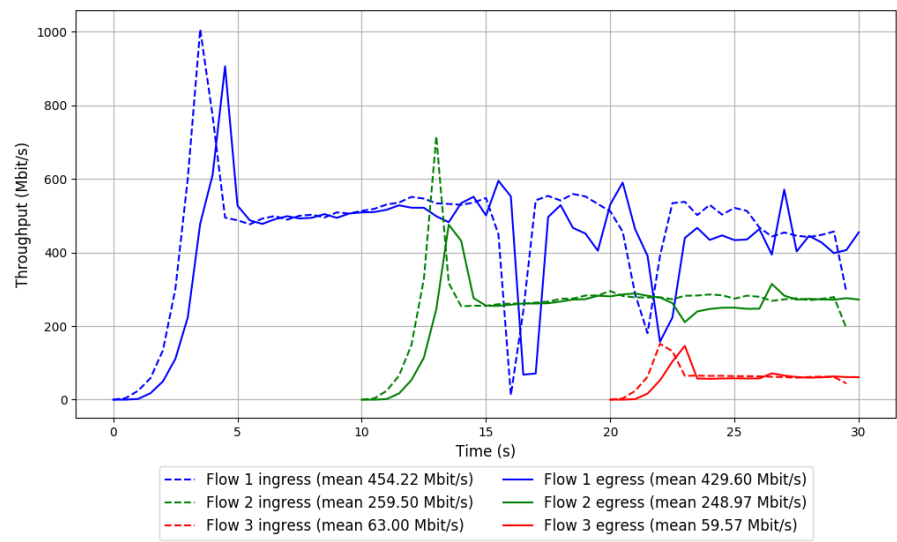


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-11 09:28:42
End at: 2018-08-11 09:29:12
Local clock offset: -0.101 ms
Remote clock offset: -0.549 ms

Below is generated by plot.py at 2018-08-11 13:35:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 614.39 Mbit/s
95th percentile per-packet one-way delay: 259.215 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 429.60 Mbit/s
95th percentile per-packet one-way delay: 265.652 ms
Loss rate: 5.42%
-- Flow 2:
Average throughput: 248.97 Mbit/s
95th percentile per-packet one-way delay: 234.035 ms
Loss rate: 4.06%
-- Flow 3:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 235.420 ms
Loss rate: 5.46%

Run 7: Report of PCC-Allegro — Data Link

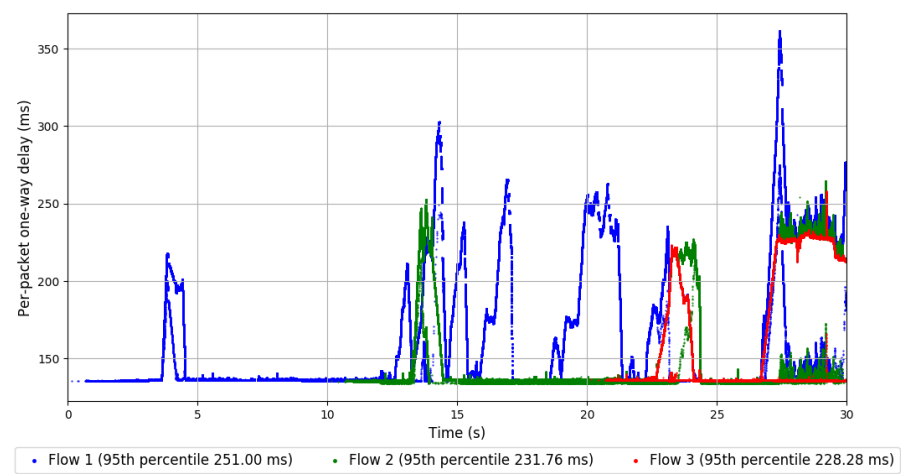
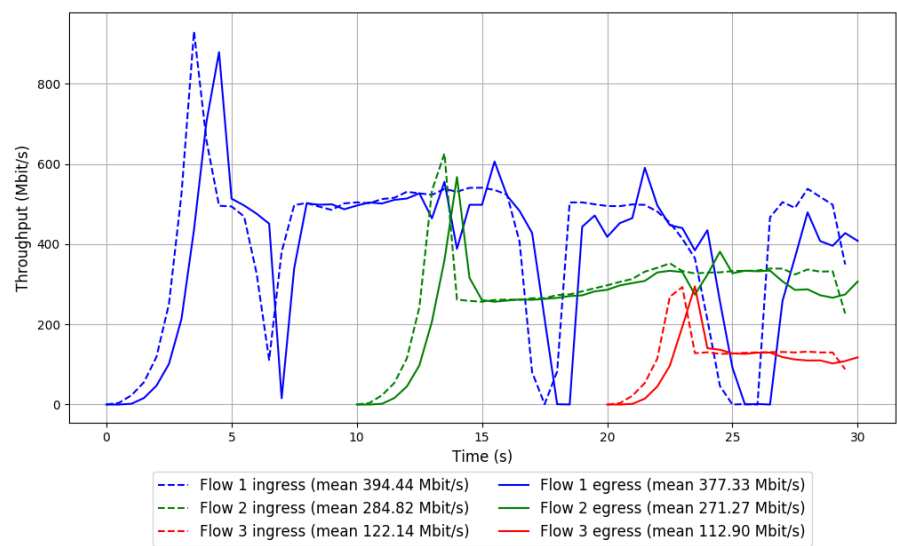


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-11 09:56:56
End at: 2018-08-11 09:57:26
Local clock offset: 0.099 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2018-08-11 13:35:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 594.68 Mbit/s
95th percentile per-packet one-way delay: 243.752 ms
Loss rate: 4.67%
-- Flow 1:
Average throughput: 377.33 Mbit/s
95th percentile per-packet one-way delay: 250.995 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 271.27 Mbit/s
95th percentile per-packet one-way delay: 231.757 ms
Loss rate: 4.77%
-- Flow 3:
Average throughput: 112.90 Mbit/s
95th percentile per-packet one-way delay: 228.281 ms
Loss rate: 7.57%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-11 10:25:02

End at: 2018-08-11 10:25:32

Local clock offset: 0.044 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-08-11 13:38:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 654.24 Mbit/s

95th percentile per-packet one-way delay: 273.327 ms

Loss rate: 3.11%

-- Flow 1:

Average throughput: 459.31 Mbit/s

95th percentile per-packet one-way delay: 283.505 ms

Loss rate: 4.01%

-- Flow 2:

Average throughput: 262.51 Mbit/s

95th percentile per-packet one-way delay: 220.588 ms

Loss rate: 0.90%

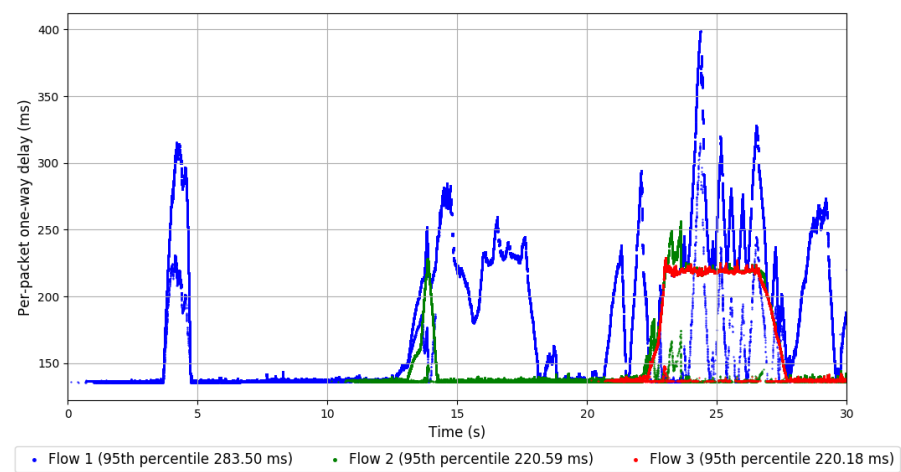
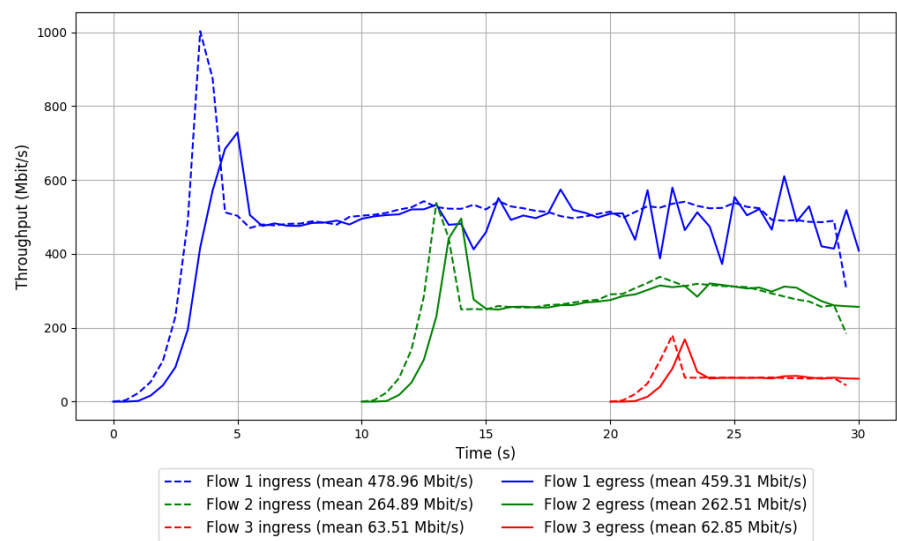
-- Flow 3:

Average throughput: 62.85 Mbit/s

95th percentile per-packet one-way delay: 220.182 ms

Loss rate: 1.03%

Run 9: Report of PCC-Allegro — Data Link

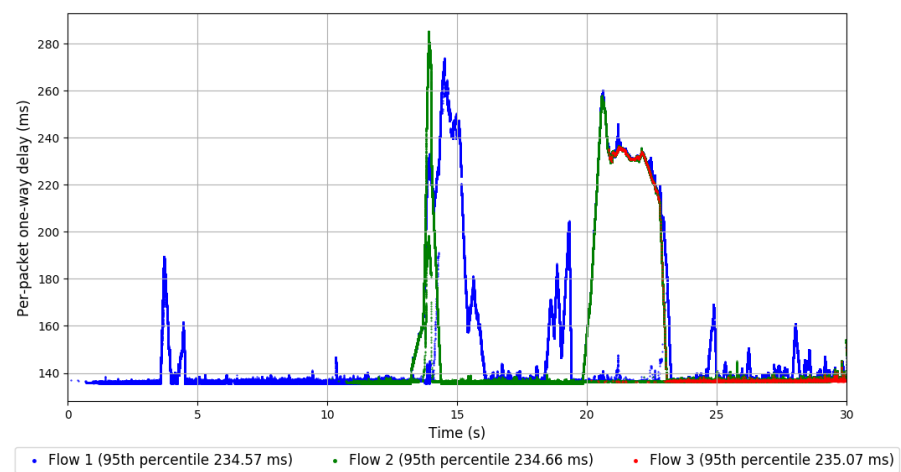
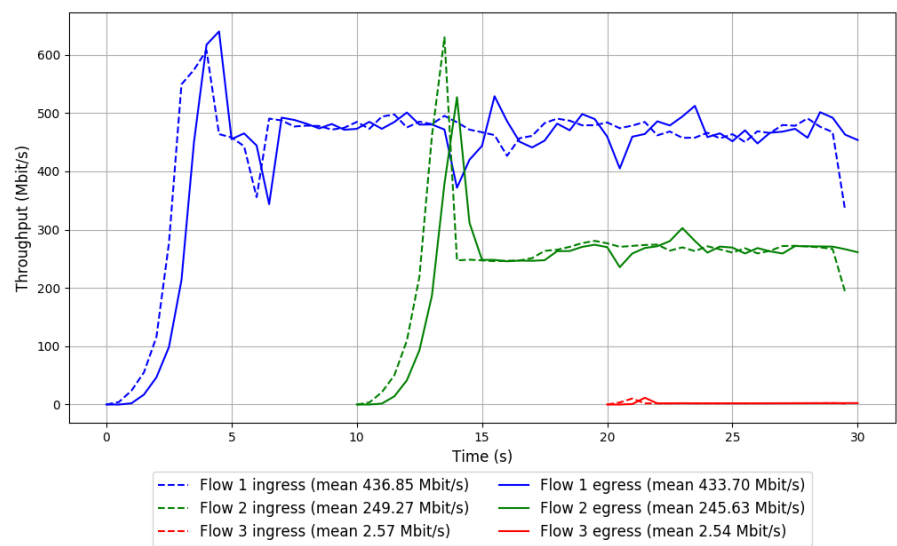


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-11 10:52:39
End at: 2018-08-11 10:53:09
Local clock offset: 0.05 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-08-11 13:39:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 597.60 Mbit/s
95th percentile per-packet one-way delay: 234.617 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 433.70 Mbit/s
95th percentile per-packet one-way delay: 234.571 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 245.63 Mbit/s
95th percentile per-packet one-way delay: 234.659 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 235.068 ms
Loss rate: 1.04%

Run 10: Report of PCC-Allegro — Data Link

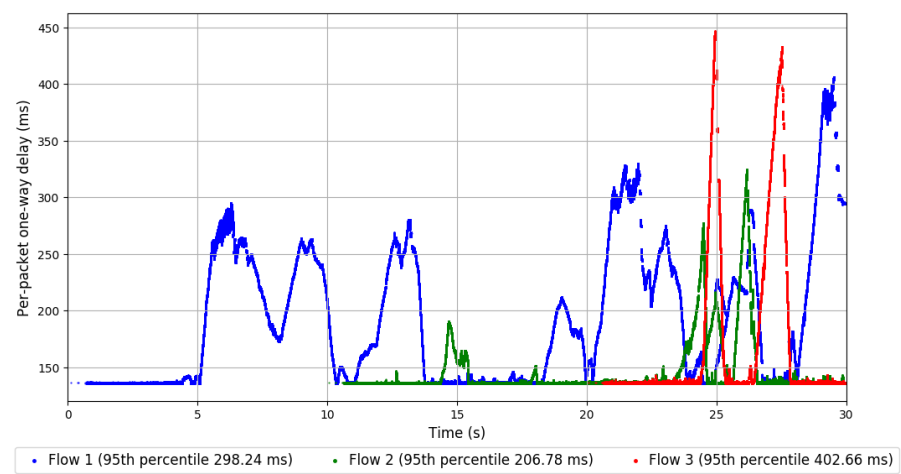
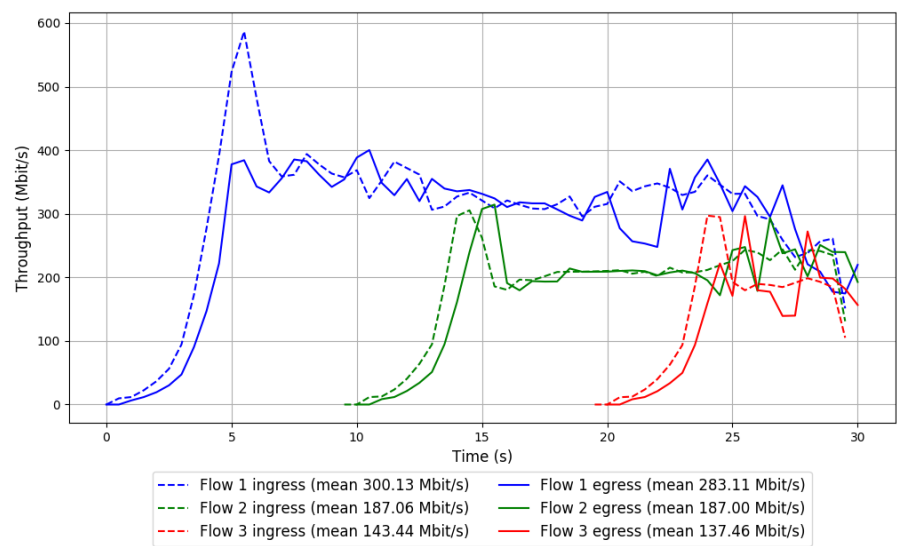


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-11 06:44:39
End at: 2018-08-11 06:45:09
Local clock offset: -0.028 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-08-11 13:44:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 453.36 Mbit/s
95th percentile per-packet one-way delay: 296.763 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 283.11 Mbit/s
95th percentile per-packet one-way delay: 298.243 ms
Loss rate: 5.67%
-- Flow 2:
Average throughput: 187.00 Mbit/s
95th percentile per-packet one-way delay: 206.782 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 137.46 Mbit/s
95th percentile per-packet one-way delay: 402.662 ms
Loss rate: 4.18%
```


Run 1: Report of PCC-Expr — Data Link

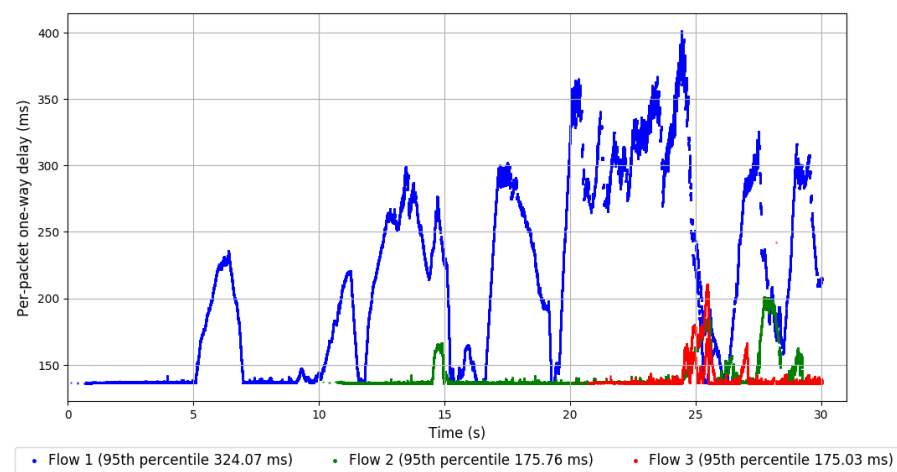
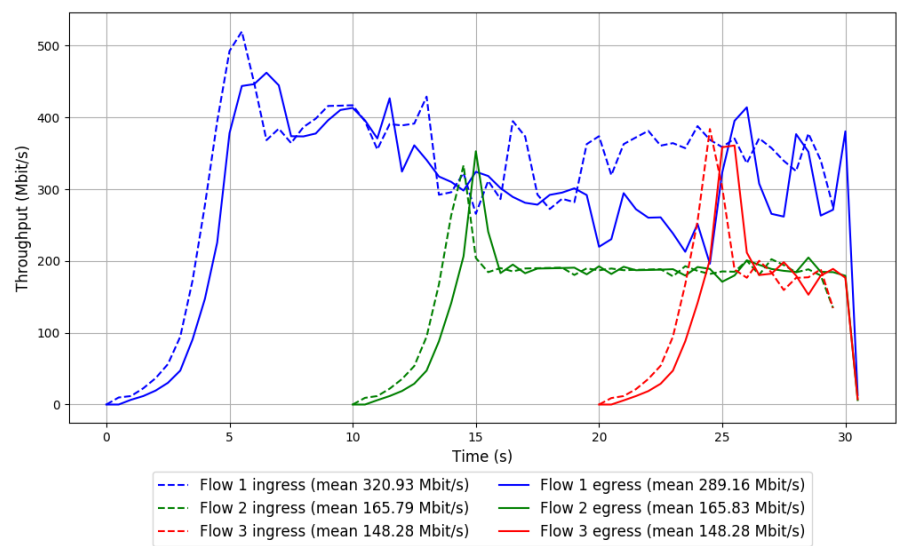


Run 2: Statistics of PCC-Expr

Start at: 2018-08-11 07:12:58
End at: 2018-08-11 07:13:28
Local clock offset: 0.035 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-11 13:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 448.31 Mbit/s
95th percentile per-packet one-way delay: 310.785 ms
Loss rate: 6.62%
-- Flow 1:
Average throughput: 289.16 Mbit/s
95th percentile per-packet one-way delay: 324.069 ms
Loss rate: 9.90%
-- Flow 2:
Average throughput: 165.83 Mbit/s
95th percentile per-packet one-way delay: 175.757 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.28 Mbit/s
95th percentile per-packet one-way delay: 175.035 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

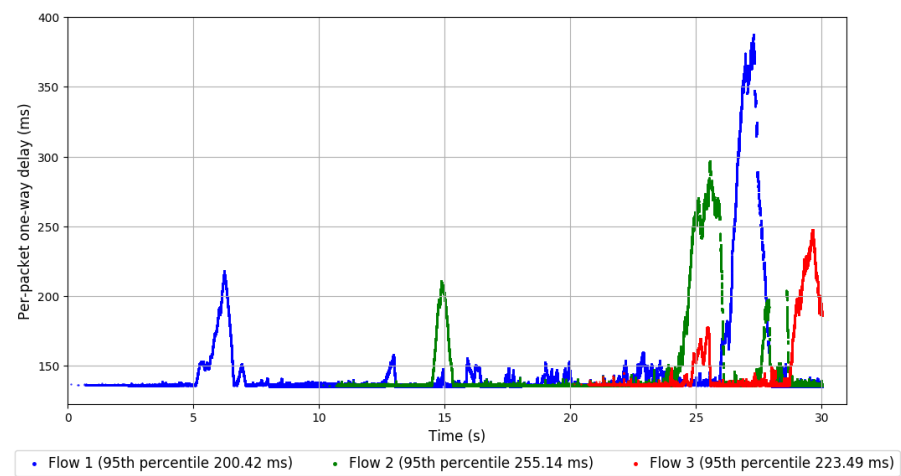
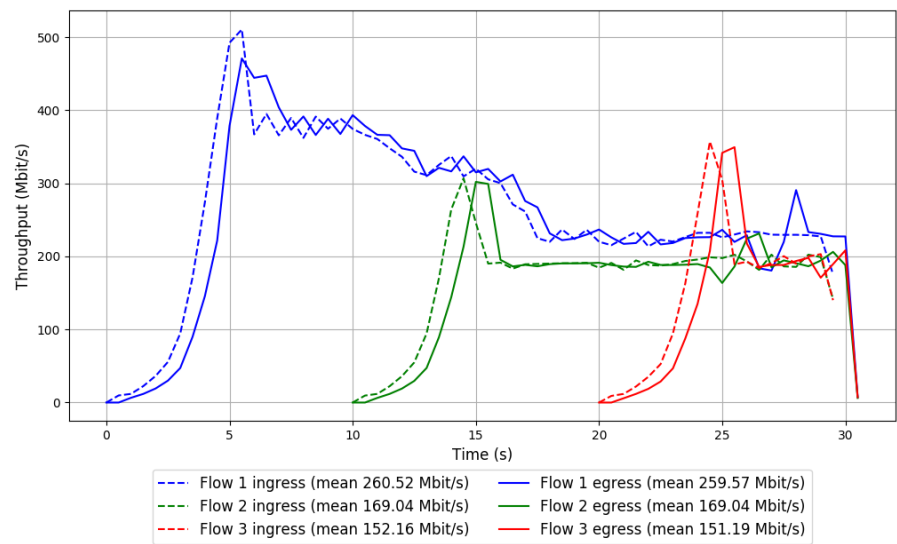


Run 3: Statistics of PCC-Expr

Start at: 2018-08-11 07:41:21
End at: 2018-08-11 07:41:51
Local clock offset: 0.021 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-11 13:48:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.83 Mbit/s
95th percentile per-packet one-way delay: 216.769 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 259.57 Mbit/s
95th percentile per-packet one-way delay: 200.424 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 169.04 Mbit/s
95th percentile per-packet one-way delay: 255.136 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.19 Mbit/s
95th percentile per-packet one-way delay: 223.493 ms
Loss rate: 0.62%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-11 08:09:54

End at: 2018-08-11 08:10:24

Local clock offset: 0.111 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-11 13:50:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 427.81 Mbit/s

95th percentile per-packet one-way delay: 273.028 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 266.61 Mbit/s

95th percentile per-packet one-way delay: 289.419 ms

Loss rate: 2.23%

-- Flow 2:

Average throughput: 169.36 Mbit/s

95th percentile per-packet one-way delay: 164.562 ms

Loss rate: 0.00%

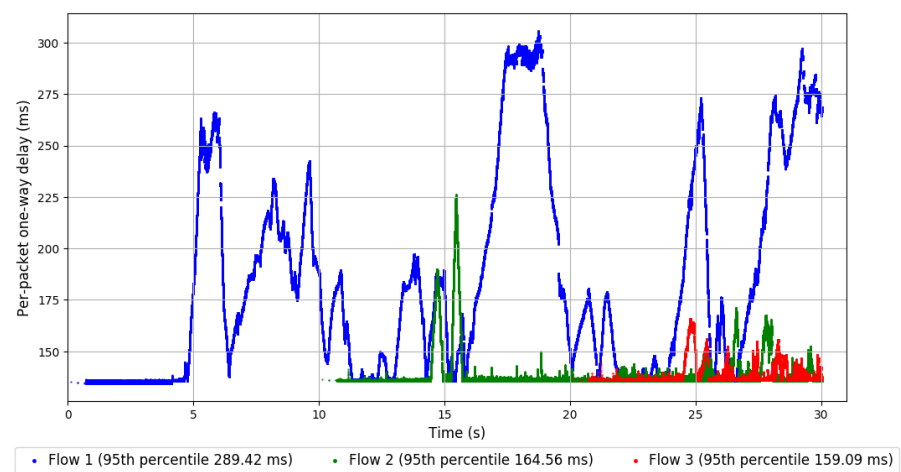
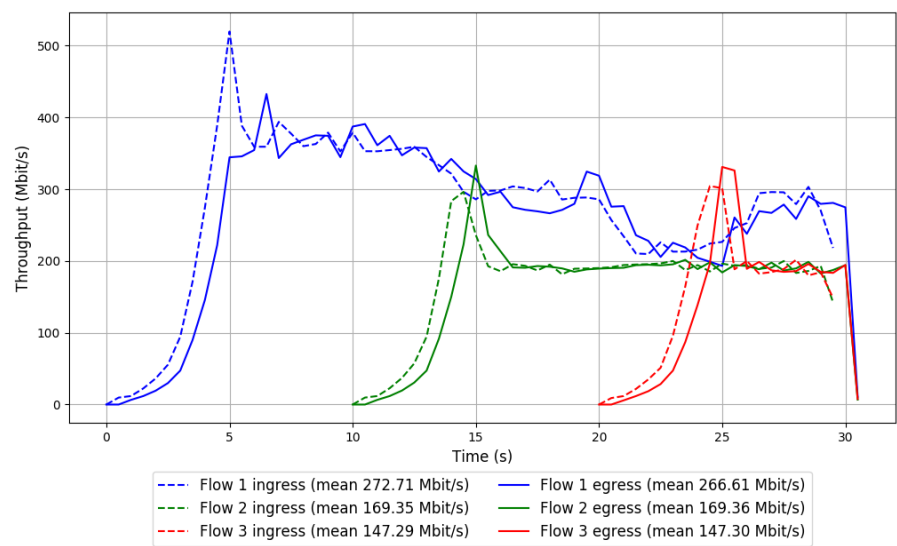
-- Flow 3:

Average throughput: 147.30 Mbit/s

95th percentile per-packet one-way delay: 159.090 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

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

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

Local clock offset: 0.111 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-08-11 13:50:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.77 Mbit/s

95th percentile per-packet one-way delay: 317.981 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 194.58 Mbit/s

95th percentile per-packet one-way delay: 325.302 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 181.12 Mbit/s

95th percentile per-packet one-way delay: 239.454 ms

Loss rate: 0.64%

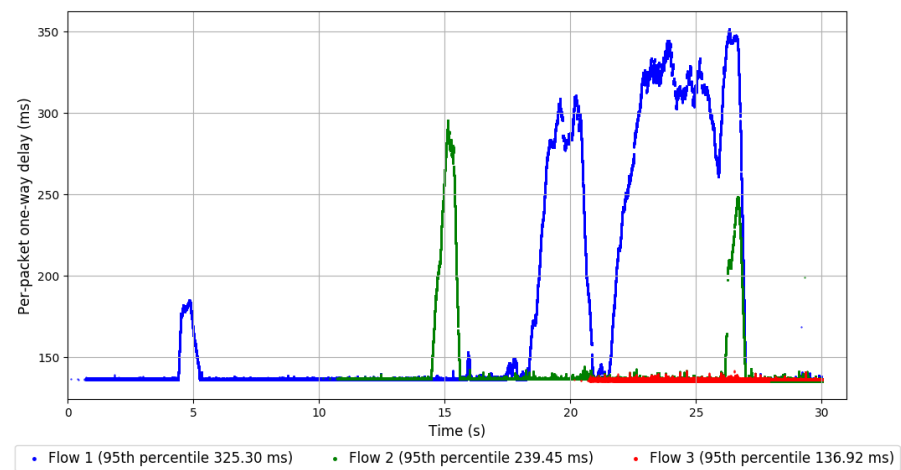
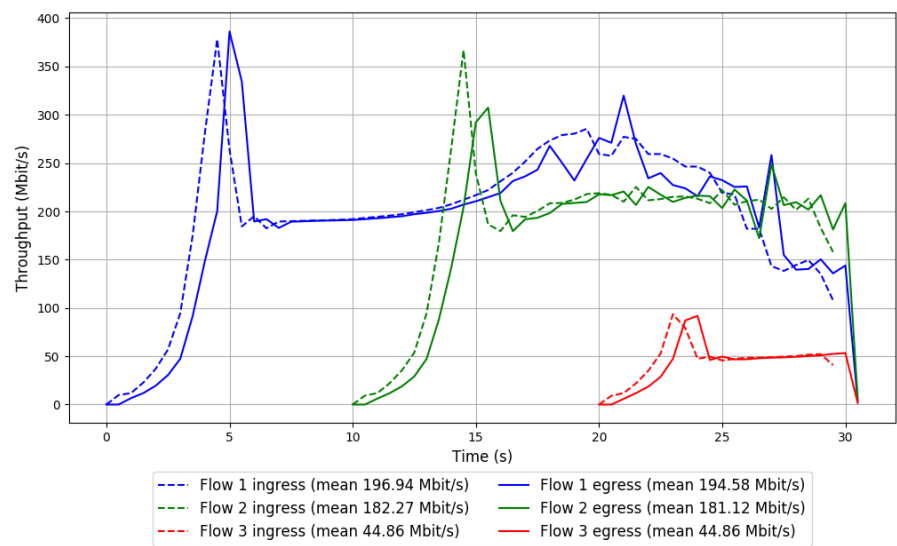
-- Flow 3:

Average throughput: 44.86 Mbit/s

95th percentile per-packet one-way delay: 136.918 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-11 09:06:21

End at: 2018-08-11 09:06:51

Local clock offset: -0.163 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-08-11 13:50:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 401.65 Mbit/s

95th percentile per-packet one-way delay: 279.133 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 226.46 Mbit/s

95th percentile per-packet one-way delay: 289.323 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 189.33 Mbit/s

95th percentile per-packet one-way delay: 237.133 ms

Loss rate: 0.08%

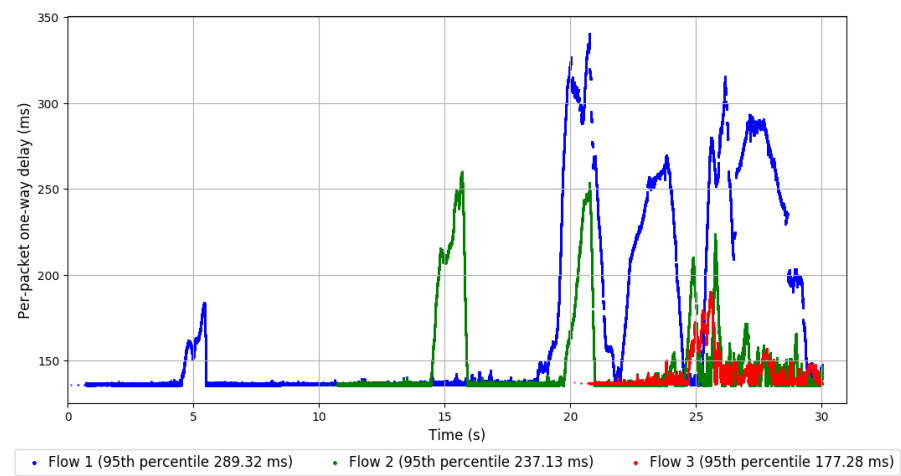
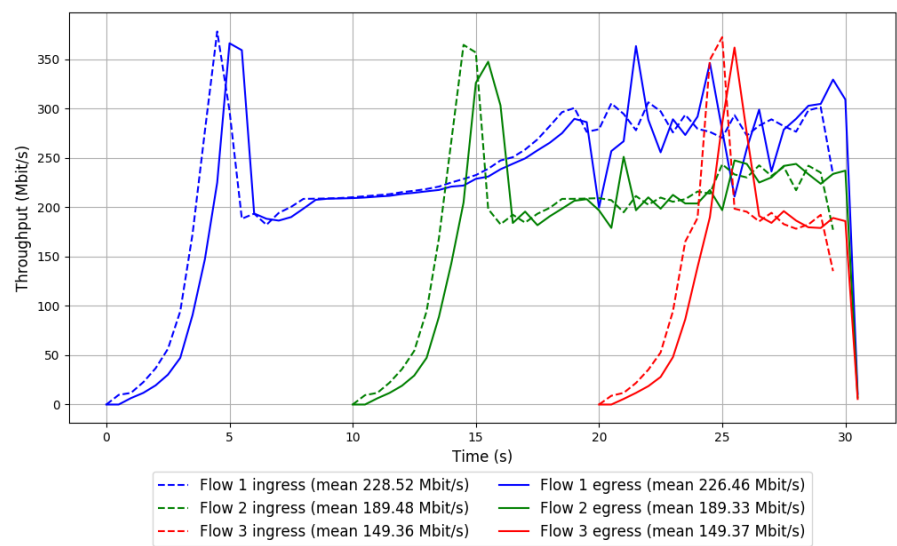
-- Flow 3:

Average throughput: 149.37 Mbit/s

95th percentile per-packet one-way delay: 177.279 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-11 09:34:19

End at: 2018-08-11 09:34:49

Local clock offset: -0.082 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2018-08-11 13:55:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 444.12 Mbit/s

95th percentile per-packet one-way delay: 290.584 ms

Loss rate: 5.79%

-- Flow 1:

Average throughput: 282.08 Mbit/s

95th percentile per-packet one-way delay: 307.348 ms

Loss rate: 8.83%

-- Flow 2:

Average throughput: 170.18 Mbit/s

95th percentile per-packet one-way delay: 191.779 ms

Loss rate: 0.00%

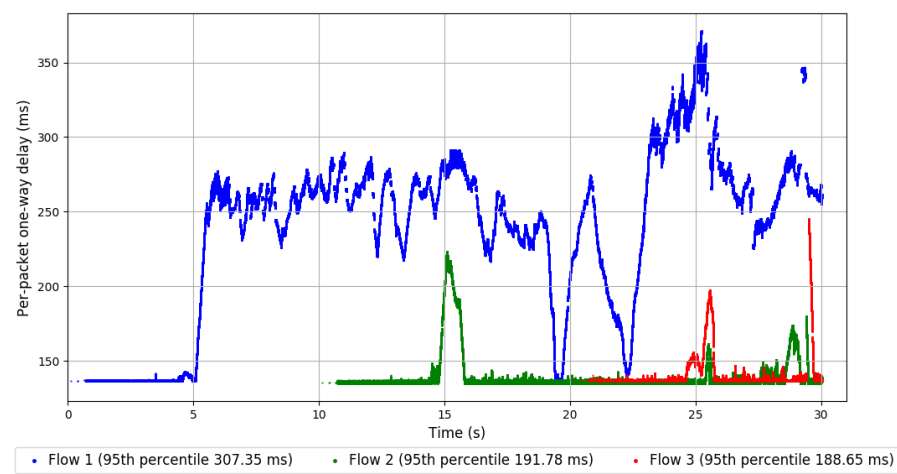
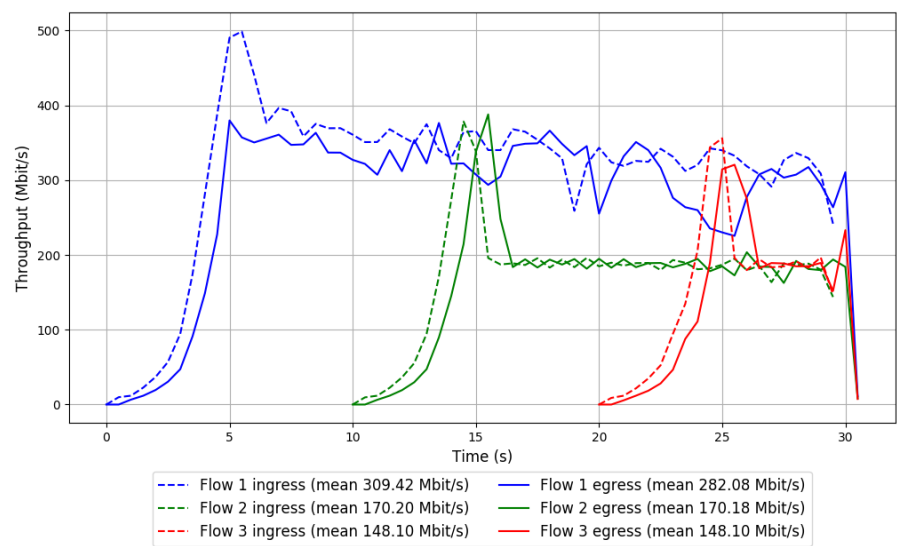
-- Flow 3:

Average throughput: 148.10 Mbit/s

95th percentile per-packet one-way delay: 188.645 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

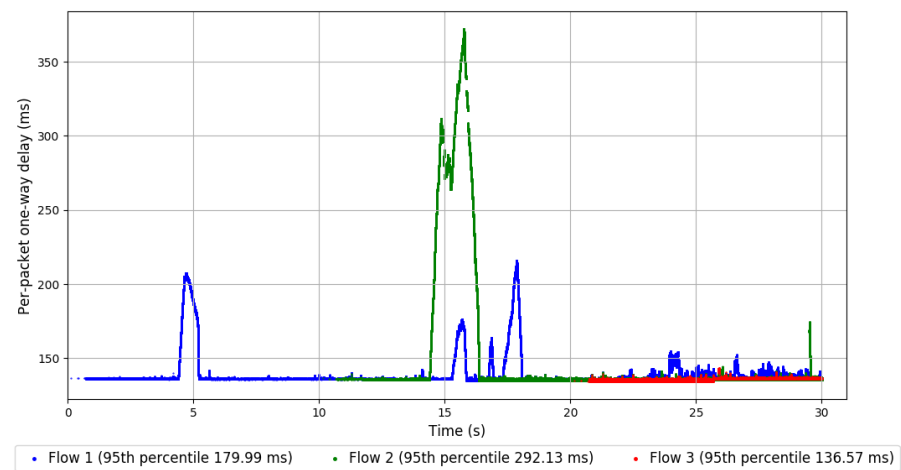
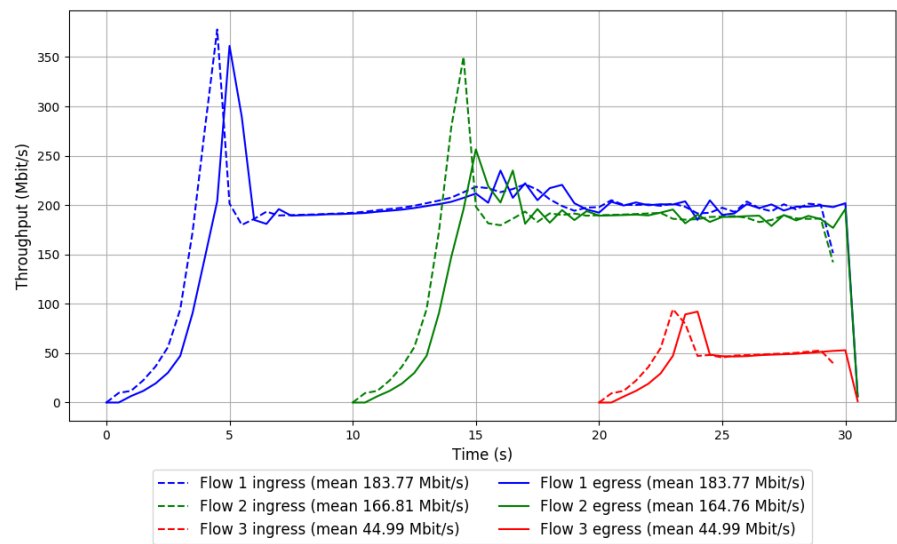


Run 8: Statistics of PCC-Expr

Start at: 2018-08-11 10:02:33
End at: 2018-08-11 10:03:03
Local clock offset: 0.227 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-11 13:55:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.18 Mbit/s
95th percentile per-packet one-way delay: 203.228 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 183.77 Mbit/s
95th percentile per-packet one-way delay: 179.987 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.76 Mbit/s
95th percentile per-packet one-way delay: 292.128 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 44.99 Mbit/s
95th percentile per-packet one-way delay: 136.570 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-08-11 10:30:39

End at: 2018-08-11 10:31:09

Local clock offset: 0.009 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-08-11 14:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 443.98 Mbit/s

95th percentile per-packet one-way delay: 249.604 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 284.21 Mbit/s

95th percentile per-packet one-way delay: 252.257 ms

Loss rate: 3.48%

-- Flow 2:

Average throughput: 163.28 Mbit/s

95th percentile per-packet one-way delay: 258.955 ms

Loss rate: 0.51%

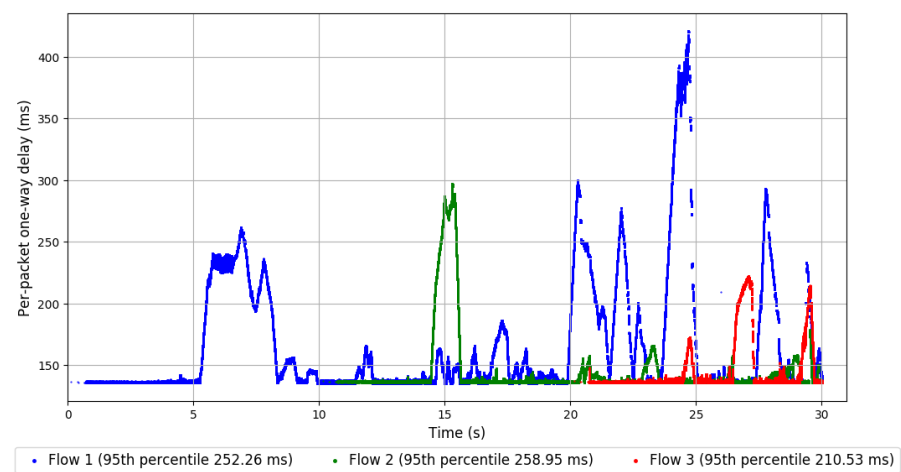
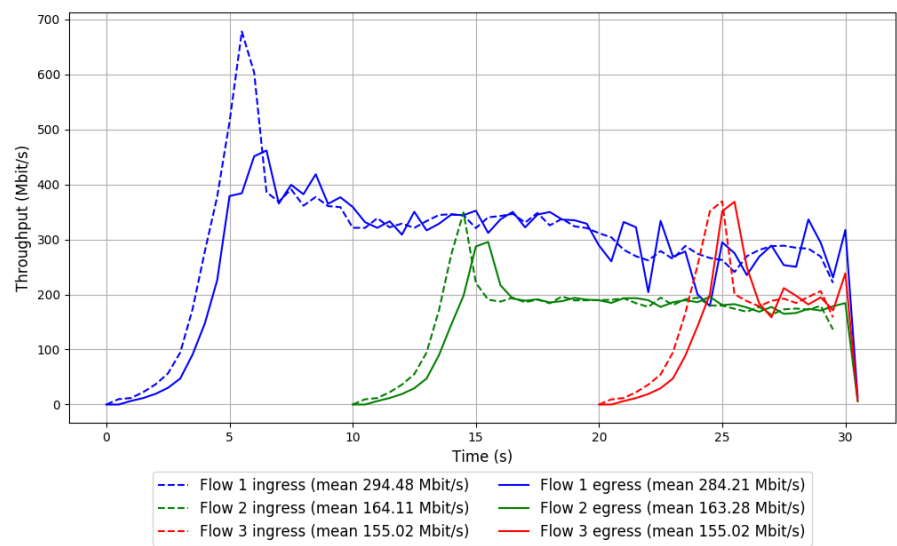
-- Flow 3:

Average throughput: 155.02 Mbit/s

95th percentile per-packet one-way delay: 210.529 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

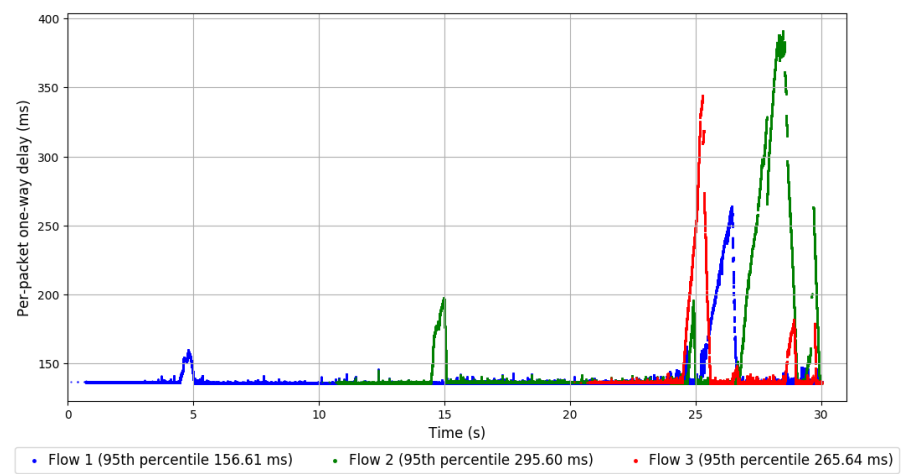
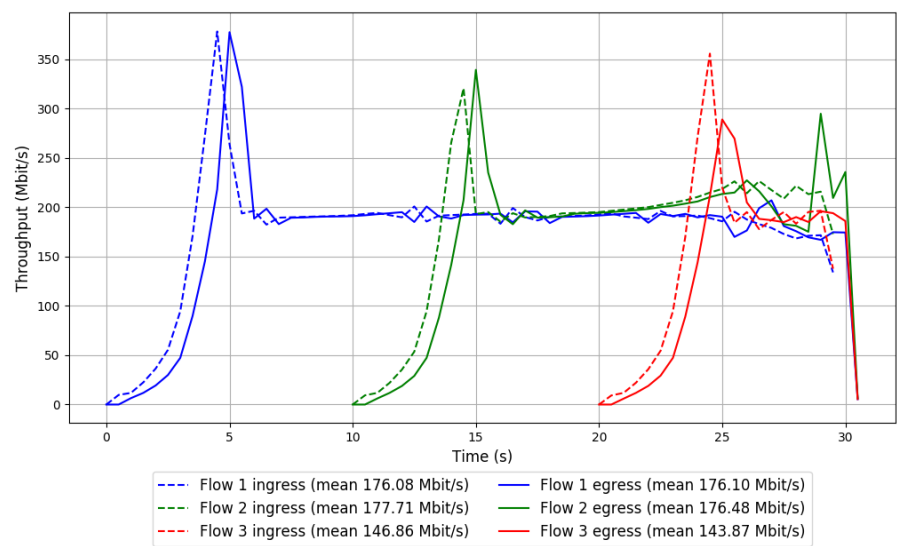


Run 10: Statistics of PCC-Expr

Start at: 2018-08-11 10:58:14
End at: 2018-08-11 10:58:44
Local clock offset: 0.039 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.92 Mbit/s
95th percentile per-packet one-way delay: 236.660 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 176.10 Mbit/s
95th percentile per-packet one-way delay: 156.609 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.48 Mbit/s
95th percentile per-packet one-way delay: 295.595 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 143.87 Mbit/s
95th percentile per-packet one-way delay: 265.642 ms
Loss rate: 2.04%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-11 06:43:21

End at: 2018-08-11 06:43:51

Local clock offset: -0.018 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-08-11 14:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 136.846 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 136.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.96 Mbit/s

95th percentile per-packet one-way delay: 136.765 ms

Loss rate: 0.00%

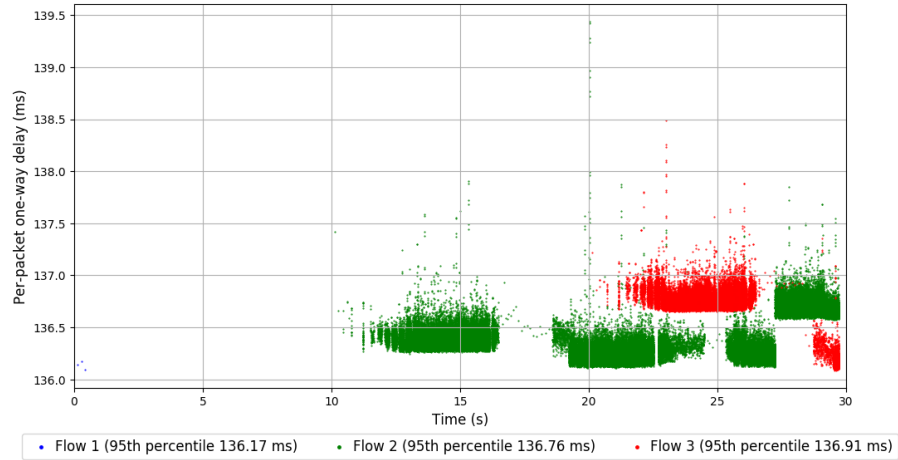
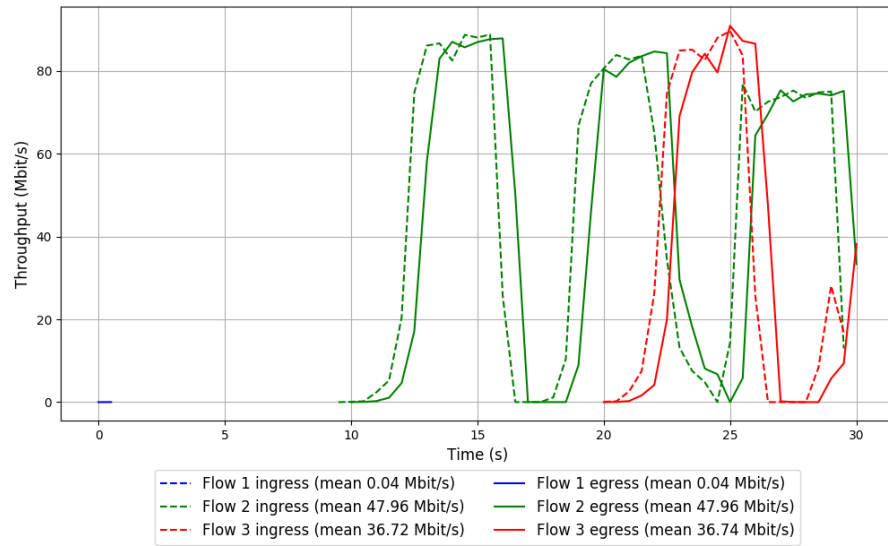
-- Flow 3:

Average throughput: 36.74 Mbit/s

95th percentile per-packet one-way delay: 136.913 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

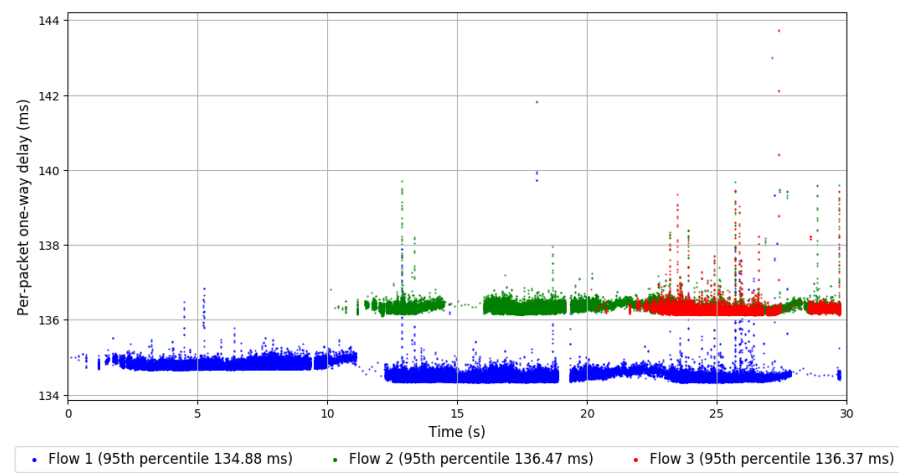
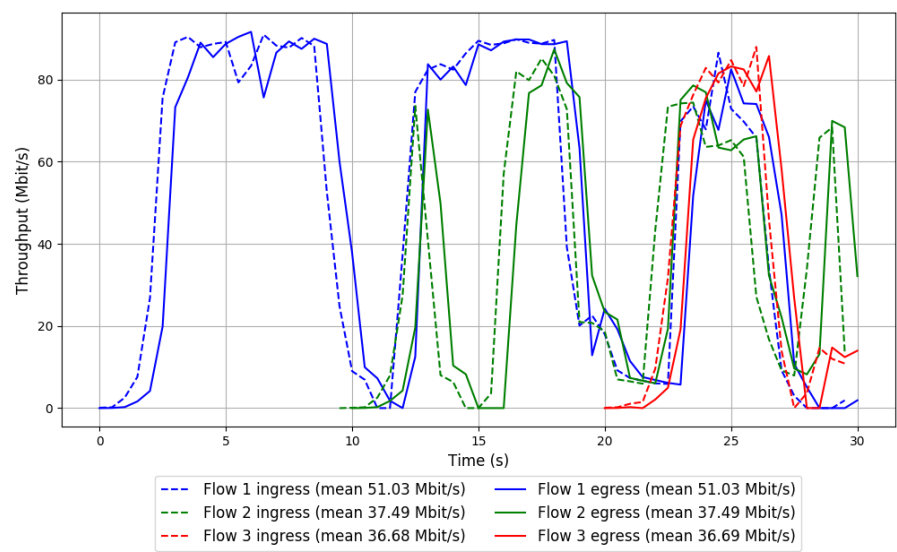


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-11 07:11:37
End at: 2018-08-11 07:12:07
Local clock offset: 0.131 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 136.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.03 Mbit/s
95th percentile per-packet one-way delay: 134.878 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 136.467 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 136.372 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

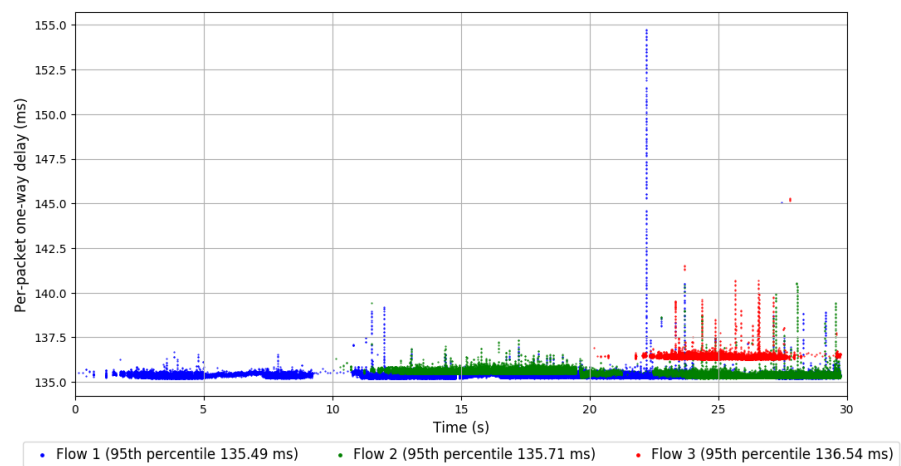
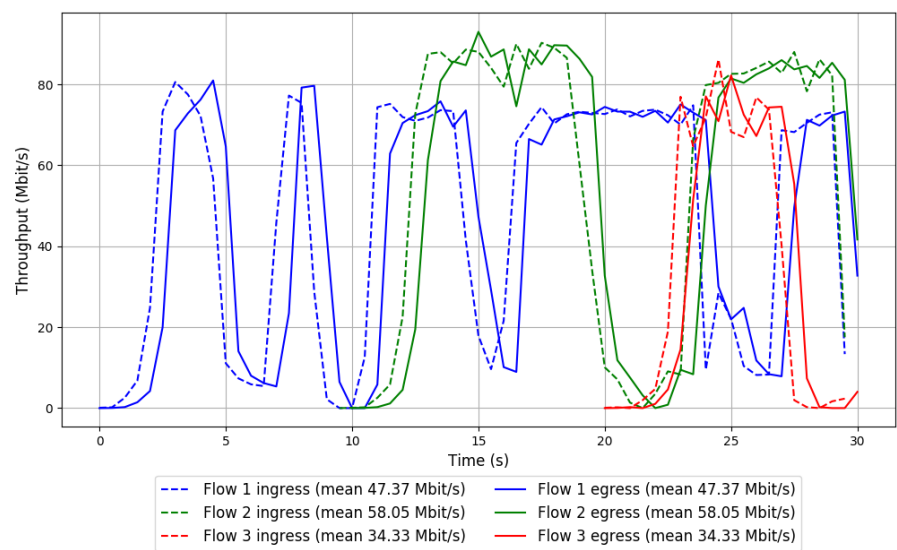


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-11 07:39:59
End at: 2018-08-11 07:40:29
Local clock offset: -0.022 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 136.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.37 Mbit/s
95th percentile per-packet one-way delay: 135.489 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 135.705 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 136.541 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

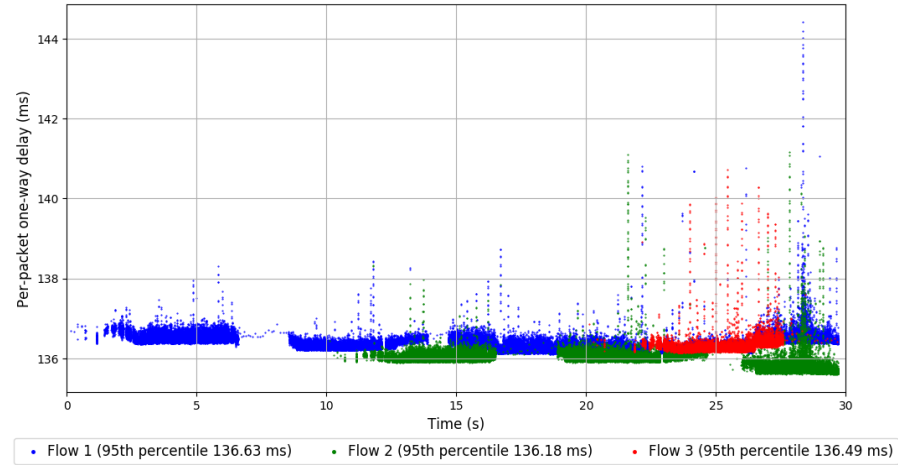
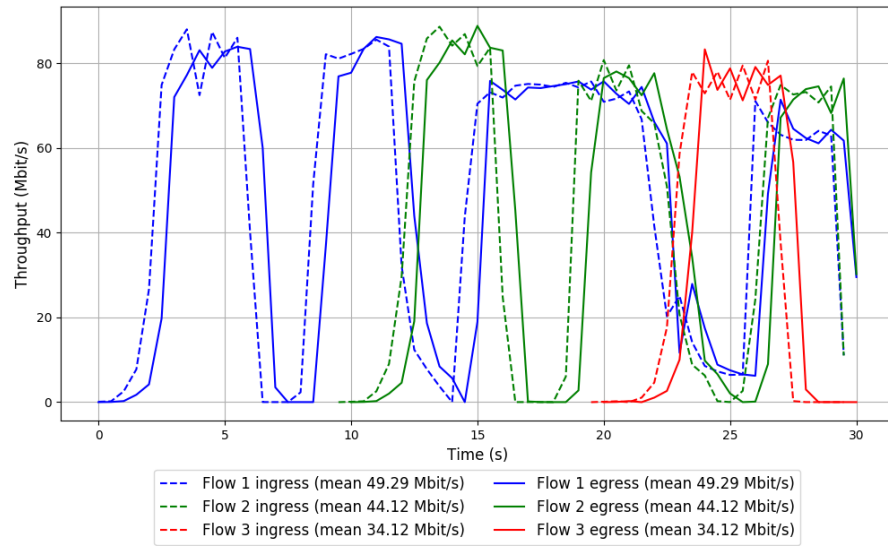


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-11 08:08:32
End at: 2018-08-11 08:09:02
Local clock offset: 0.002 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 136.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 136.632 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.12 Mbit/s
95th percentile per-packet one-way delay: 136.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 136.486 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-11 08:36:49

End at: 2018-08-11 08:37:19

Local clock offset: -0.145 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-08-11 14:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.55 Mbit/s

95th percentile per-packet one-way delay: 136.987 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 137.032 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.63 Mbit/s

95th percentile per-packet one-way delay: 135.941 ms

Loss rate: 0.00%

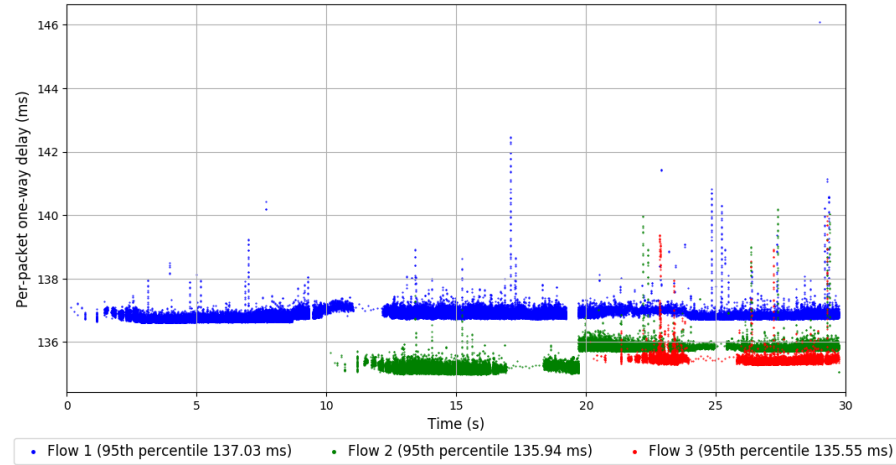
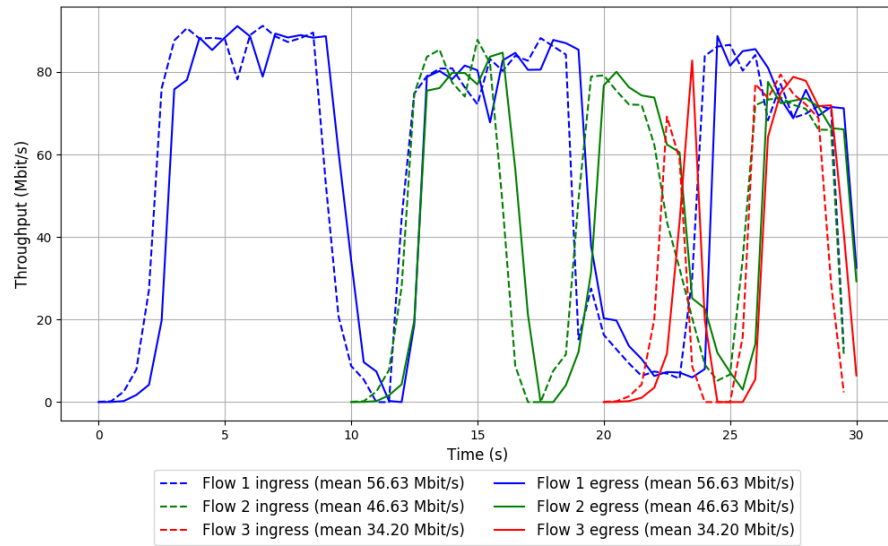
-- Flow 3:

Average throughput: 34.20 Mbit/s

95th percentile per-packet one-way delay: 135.552 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

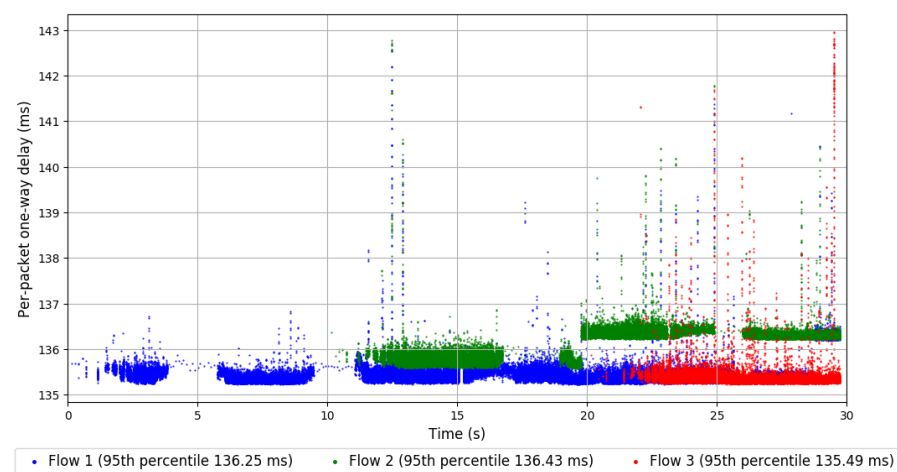
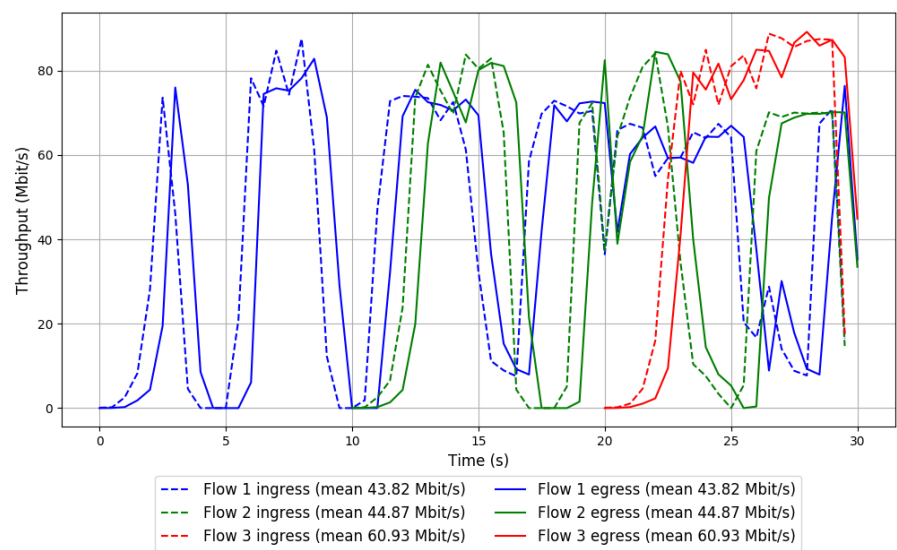


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-11 09:04:59
End at: 2018-08-11 09:05:29
Local clock offset: -0.086 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 136.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.82 Mbit/s
95th percentile per-packet one-way delay: 136.245 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.87 Mbit/s
95th percentile per-packet one-way delay: 136.427 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.93 Mbit/s
95th percentile per-packet one-way delay: 135.492 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-11 09:32:57

End at: 2018-08-11 09:33:27

Local clock offset: 0.092 ms

Remote clock offset: 0.198 ms

Below is generated by plot.py at 2018-08-11 14:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.38 Mbit/s

95th percentile per-packet one-way delay: 136.720 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.15 Mbit/s

95th percentile per-packet one-way delay: 136.036 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.33 Mbit/s

95th percentile per-packet one-way delay: 136.779 ms

Loss rate: 0.00%

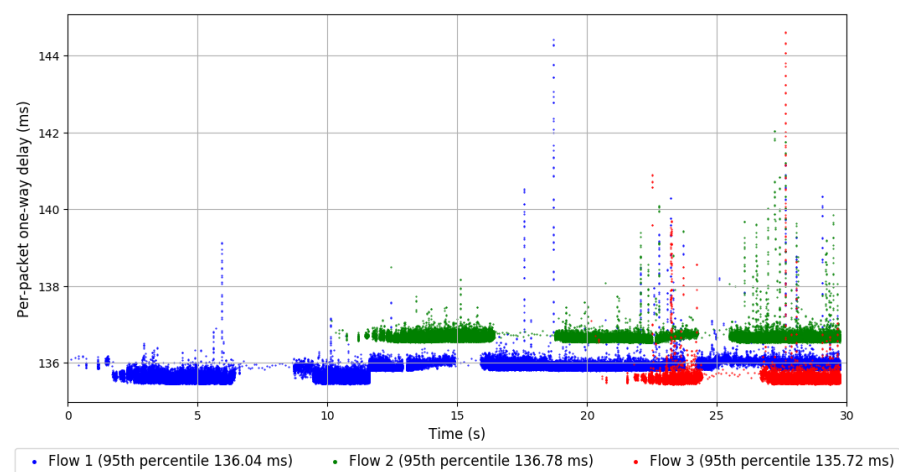
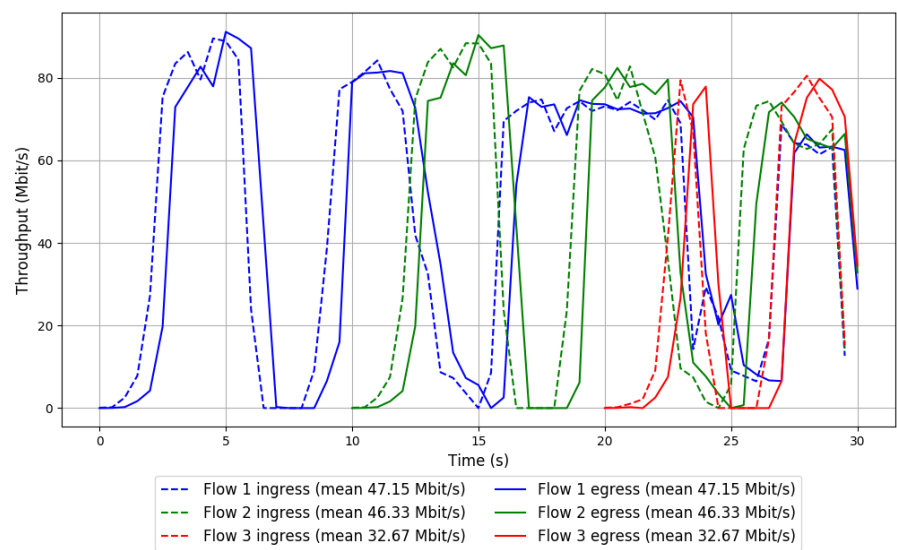
-- Flow 3:

Average throughput: 32.67 Mbit/s

95th percentile per-packet one-way delay: 135.718 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

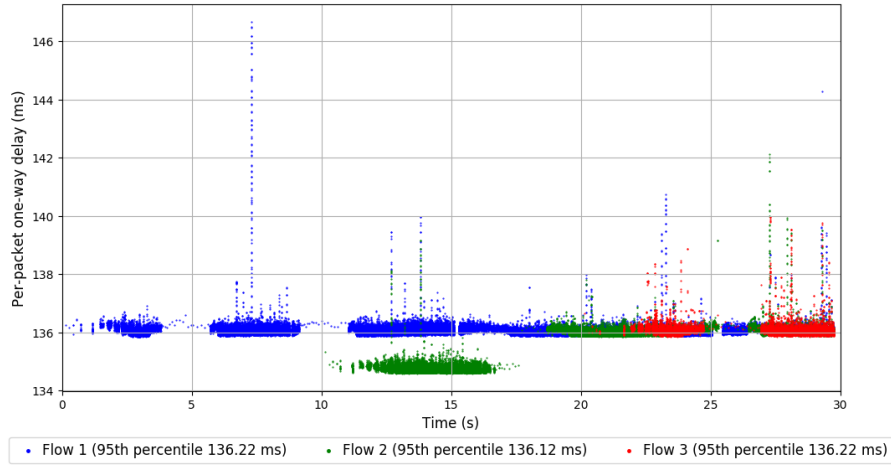
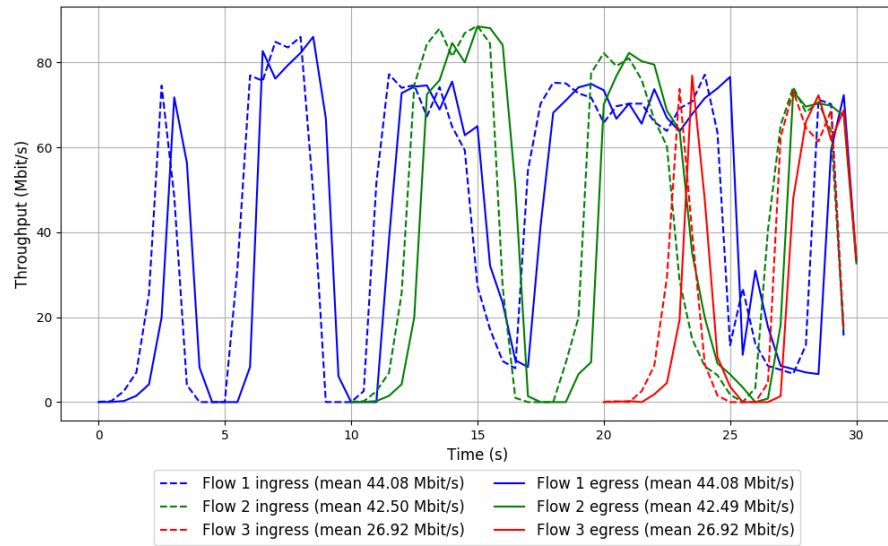


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-11 10:01:11
End at: 2018-08-11 10:01:41
Local clock offset: -0.055 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 136.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.08 Mbit/s
95th percentile per-packet one-way delay: 136.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 136.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 136.225 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

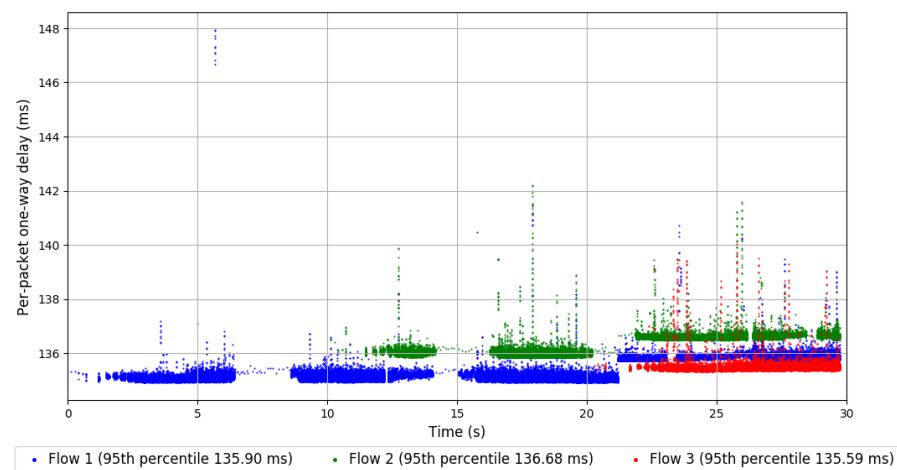
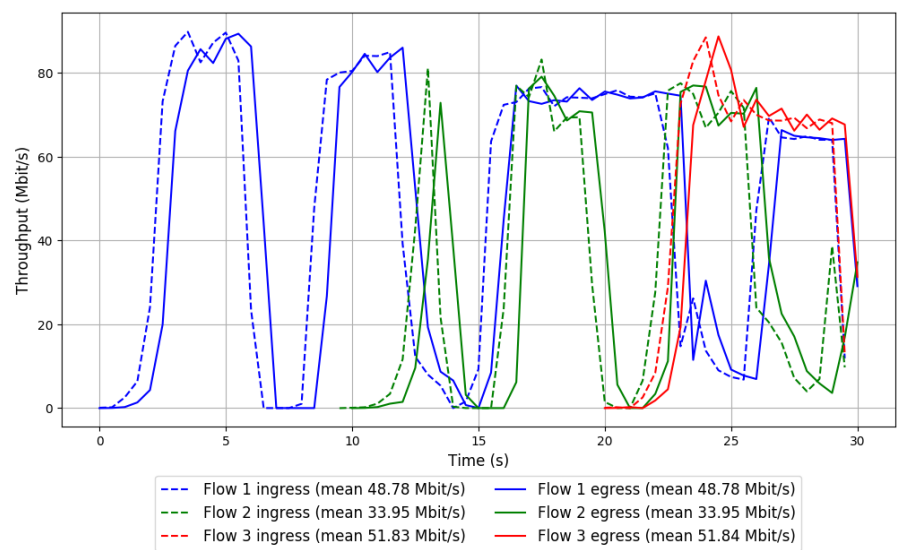


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-11 10:29:18
End at: 2018-08-11 10:29:48
Local clock offset: 0.019 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 136.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 135.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 136.677 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 135.593 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-11 10:56:53

End at: 2018-08-11 10:57:23

Local clock offset: 0.22 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-08-11 14:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.59 Mbit/s

95th percentile per-packet one-way delay: 136.992 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.22 Mbit/s

95th percentile per-packet one-way delay: 136.369 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 137.066 ms

Loss rate: 0.00%

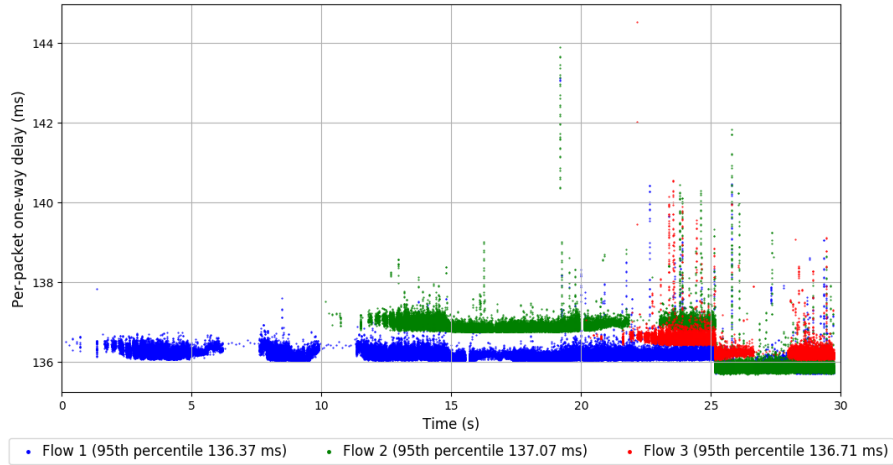
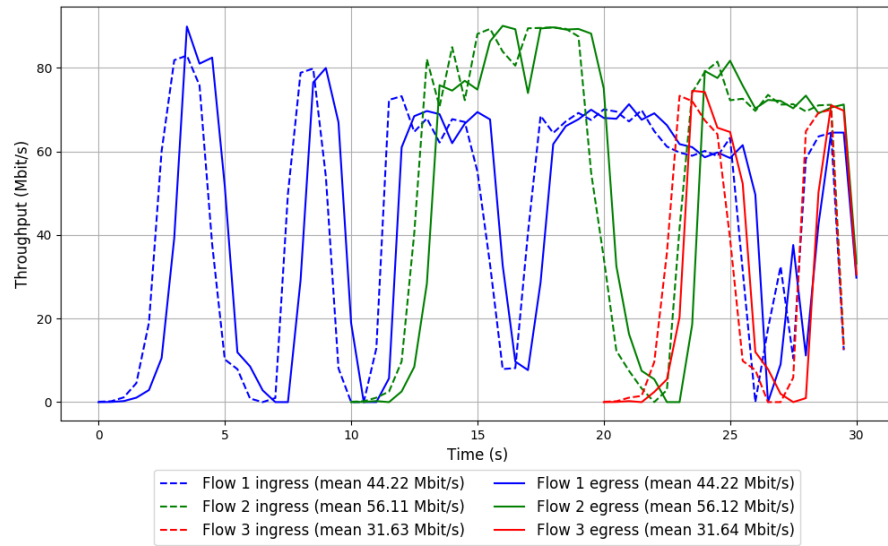
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 136.708 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

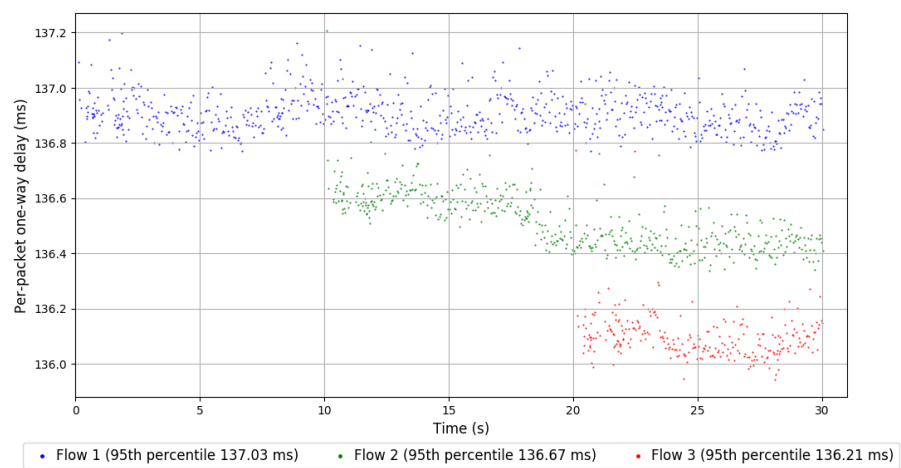
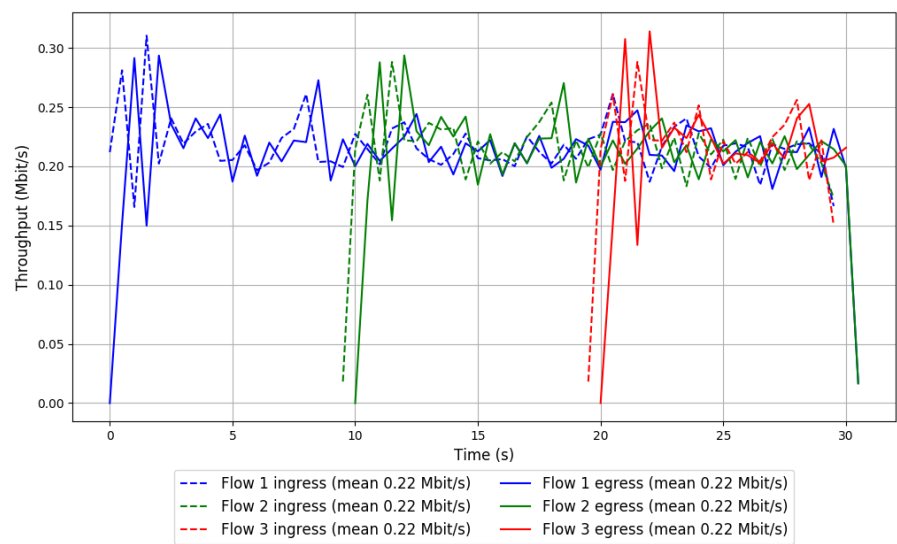


```
Run 1: Statistics of SReAM

Start at: 2018-08-11 06:57:21
End at: 2018-08-11 06:57:51
Local clock offset: 0.048 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-08-11 14:01:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.213 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

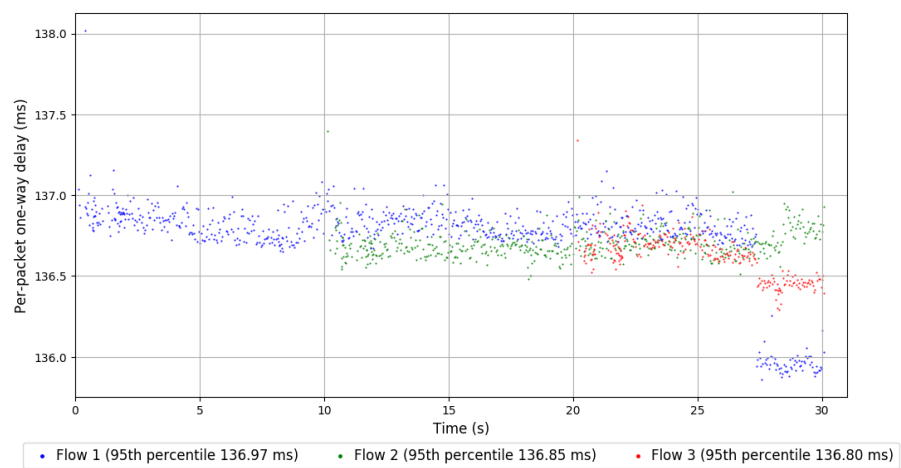
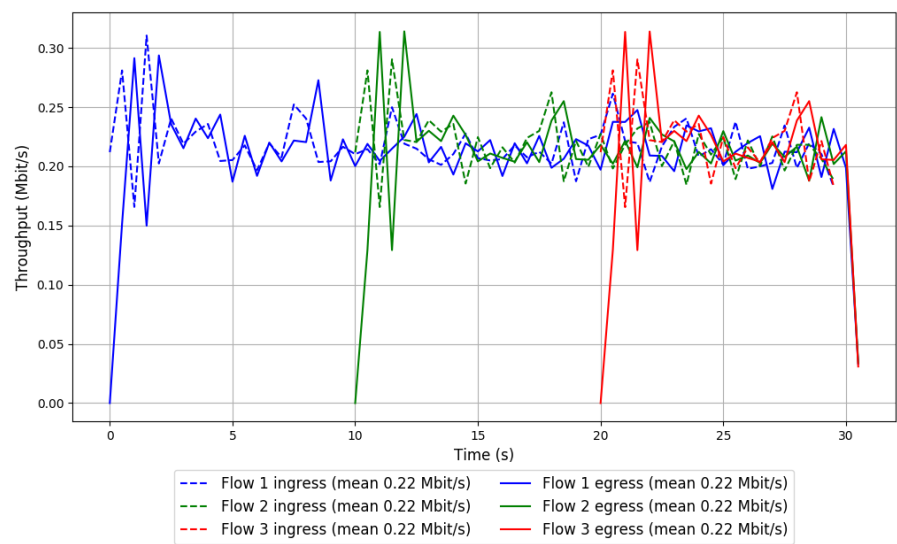


Run 2: Statistics of SReAM

Start at: 2018-08-11 07:25:51
End at: 2018-08-11 07:26:21
Local clock offset: 0.026 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.967 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.797 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-08-11 07:54:12

End at: 2018-08-11 07:54:42

Local clock offset: 0.063 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-08-11 14:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 137.251 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.994 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.313 ms

Loss rate: 0.00%

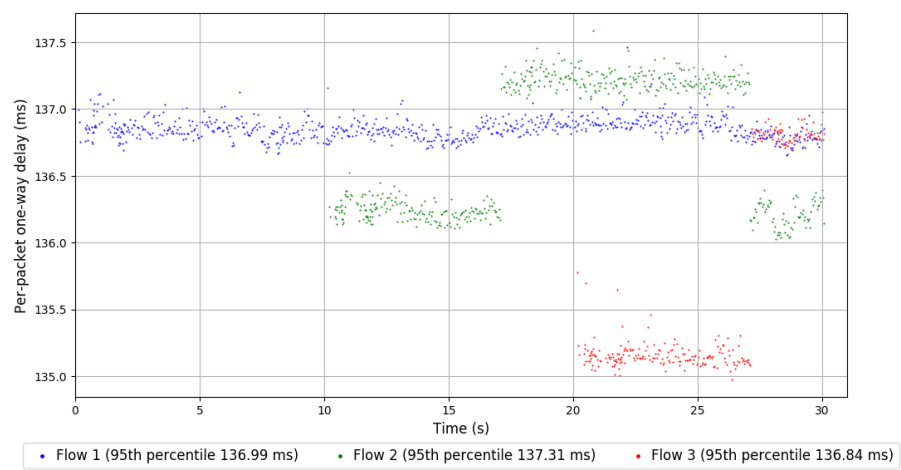
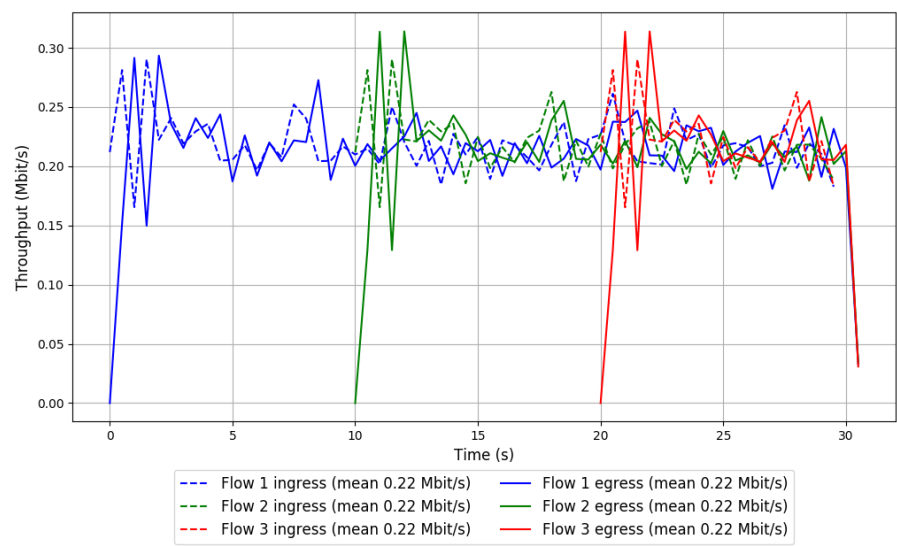
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.845 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

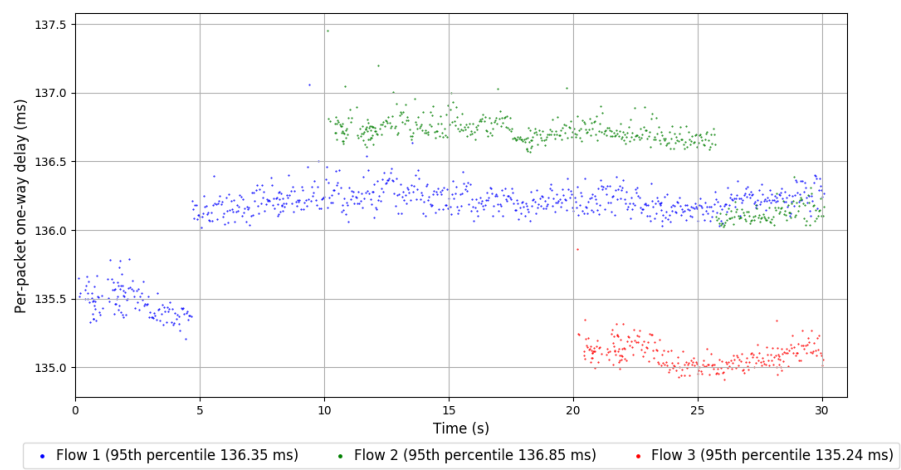
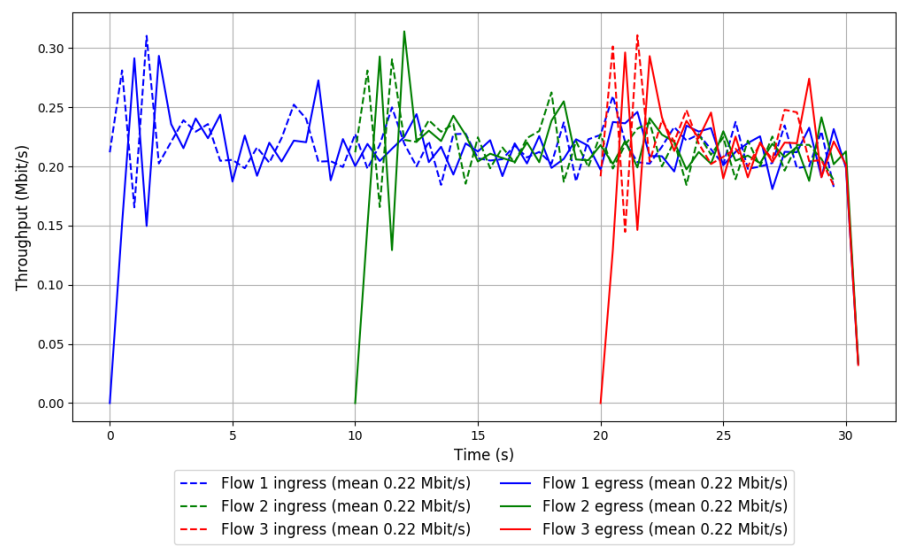


Run 4: Statistics of SReAM

Start at: 2018-08-11 08:22:34
End at: 2018-08-11 08:23:04
Local clock offset: -0.173 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.355 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.848 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.237 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-08-11 08:50:53

End at: 2018-08-11 08:51:23

Local clock offset: 0.036 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-08-11 14:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.800 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.843 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.277 ms

Loss rate: 0.00%

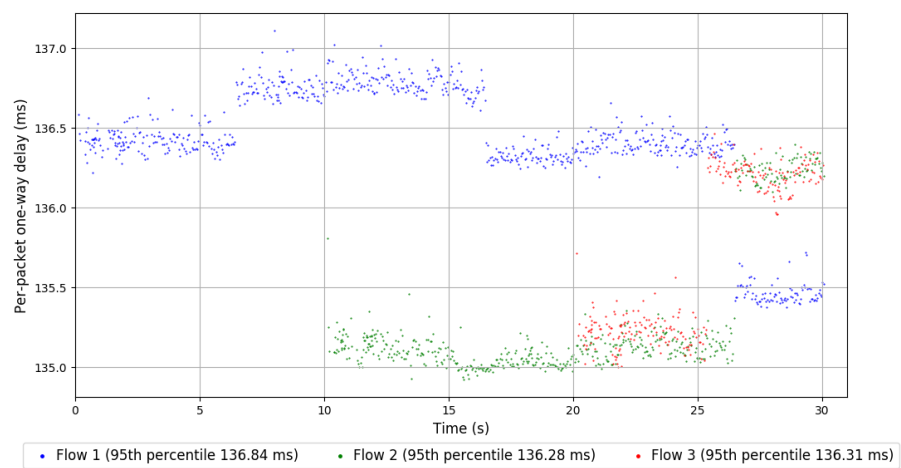
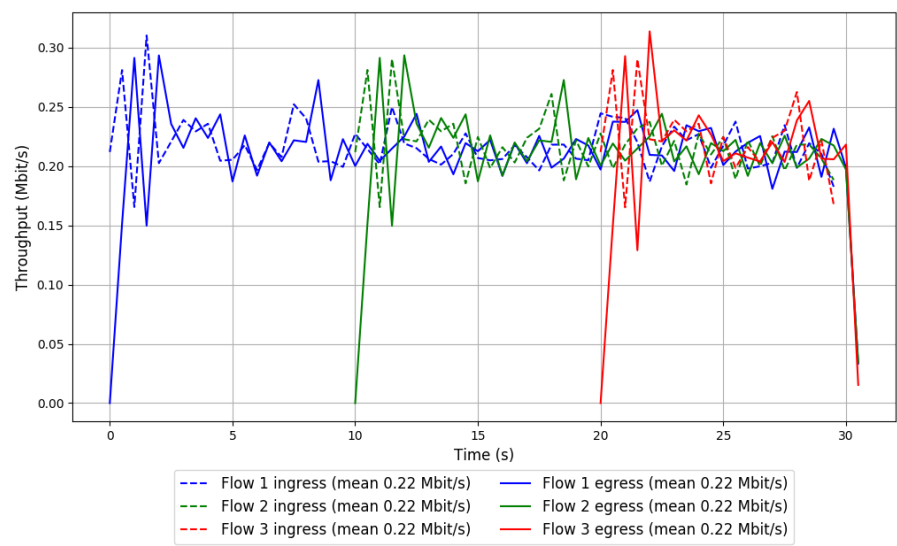
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.311 ms

Loss rate: 0.00%

Run 5: Report of SCSReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-08-11 09:18:53

End at: 2018-08-11 09:19:23

Local clock offset: -0.05 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-08-11 14:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.974 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.465 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.987 ms

Loss rate: 0.00%

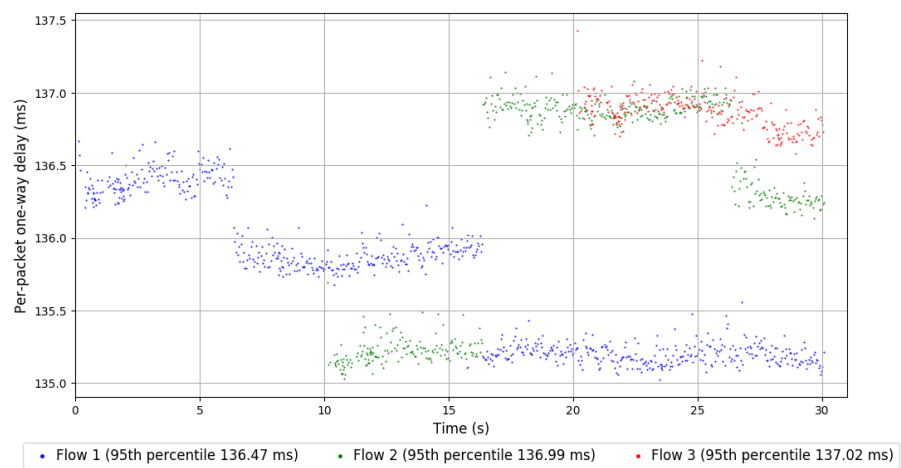
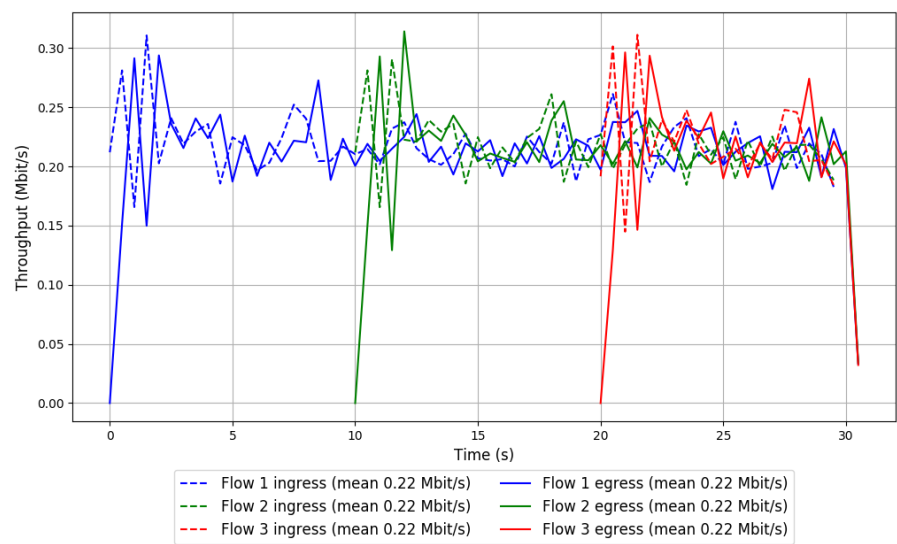
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.021 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

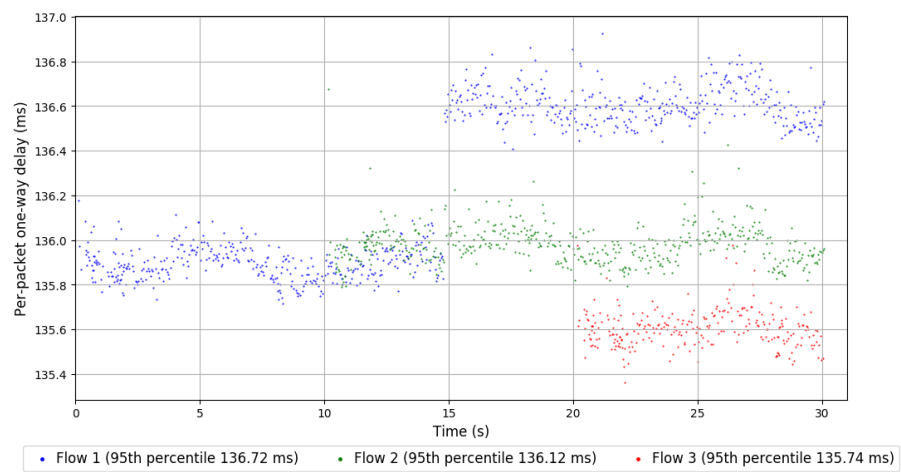
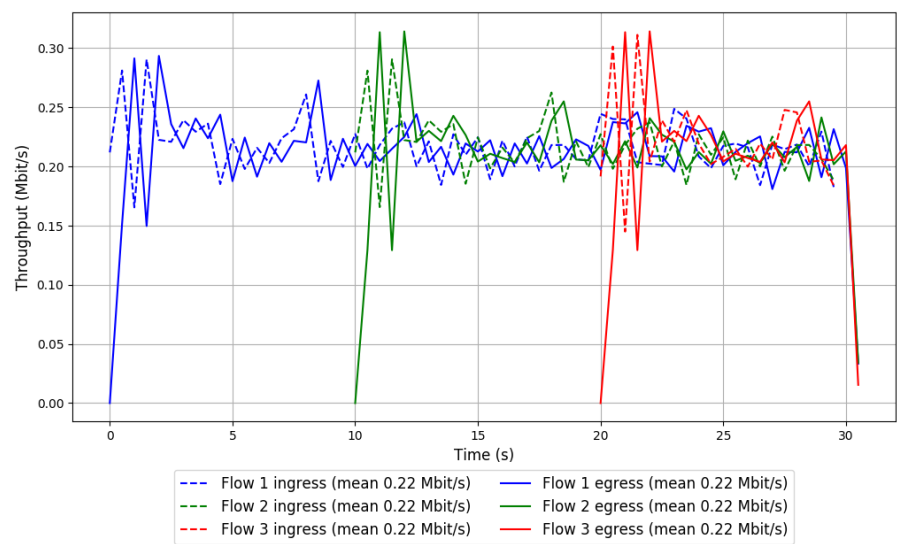


Run 7: Statistics of SReAM

Start at: 2018-08-11 09:47:05
End at: 2018-08-11 09:47:35
Local clock offset: -0.059 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.723 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.735 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

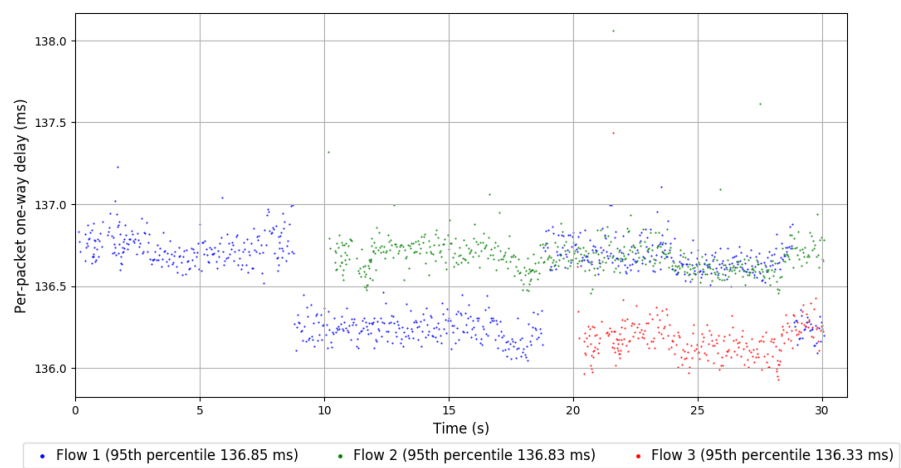
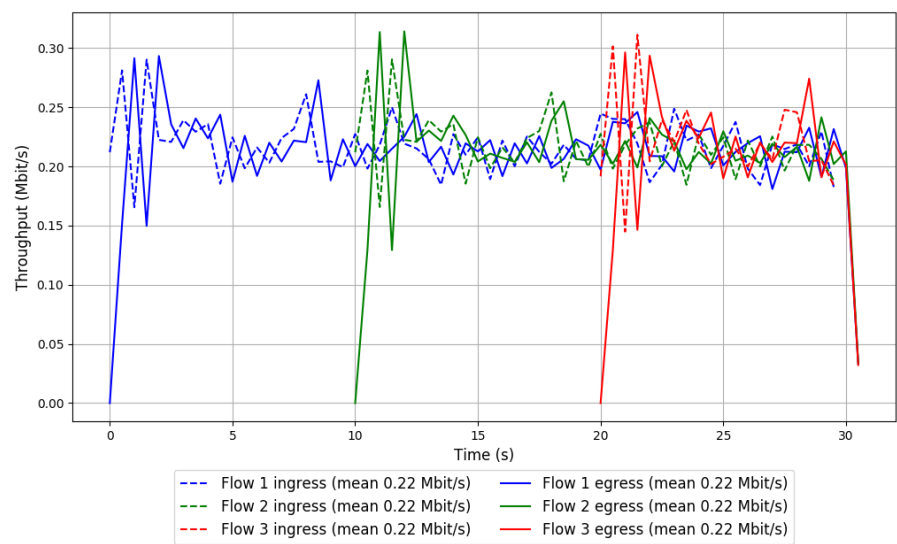


Run 8: Statistics of SReAM

Start at: 2018-08-11 10:15:00
End at: 2018-08-11 10:15:30
Local clock offset: 0.042 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-08-11 14:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.847 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.332 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-11 10:42:39

End at: 2018-08-11 10:43:09

Local clock offset: 0.043 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-08-11 14:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 137.056 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.057 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.073 ms

Loss rate: 0.00%

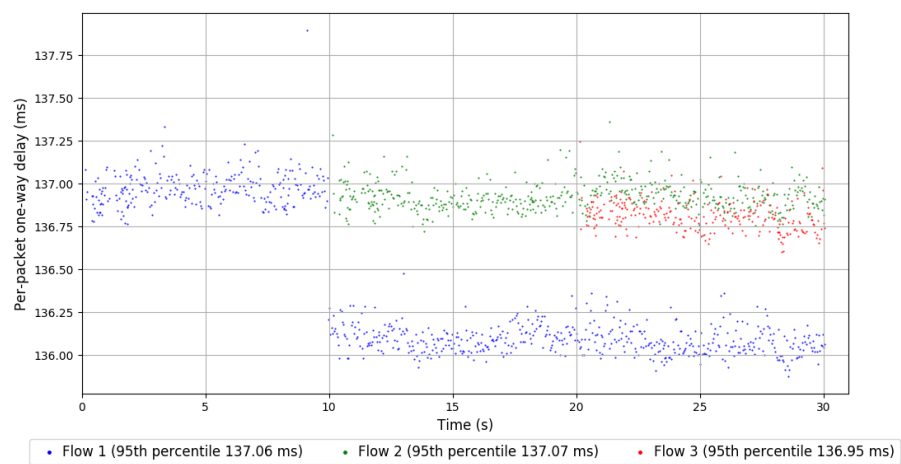
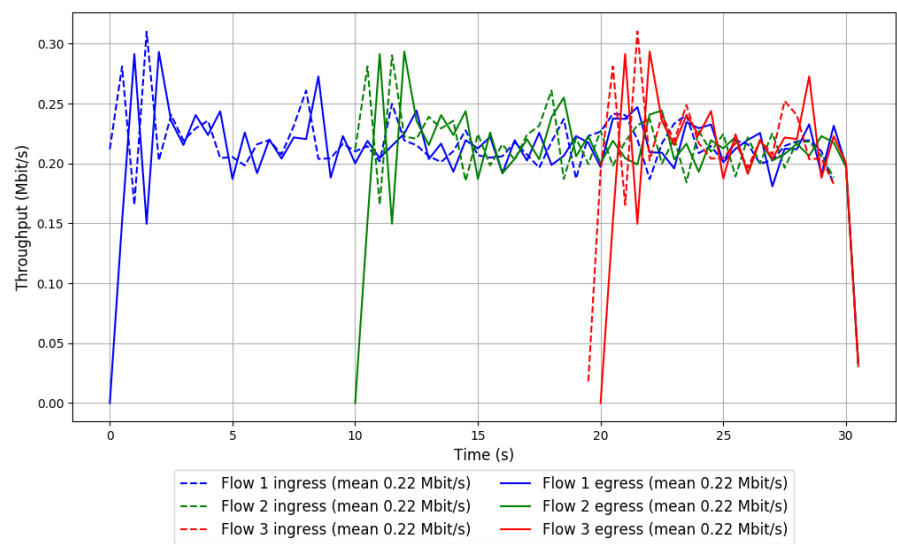
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.951 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-11 11:10:34

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

Local clock offset: -0.068 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-08-11 14:01:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 137.554 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.592 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.315 ms

Loss rate: 0.00%

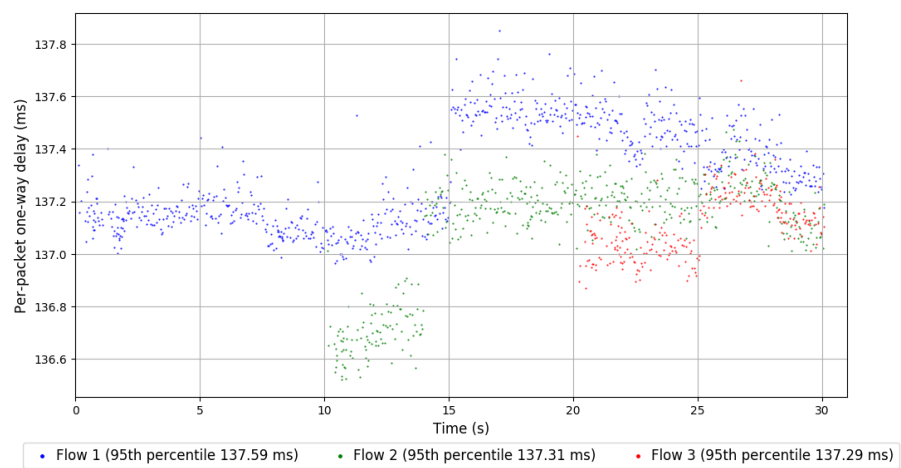
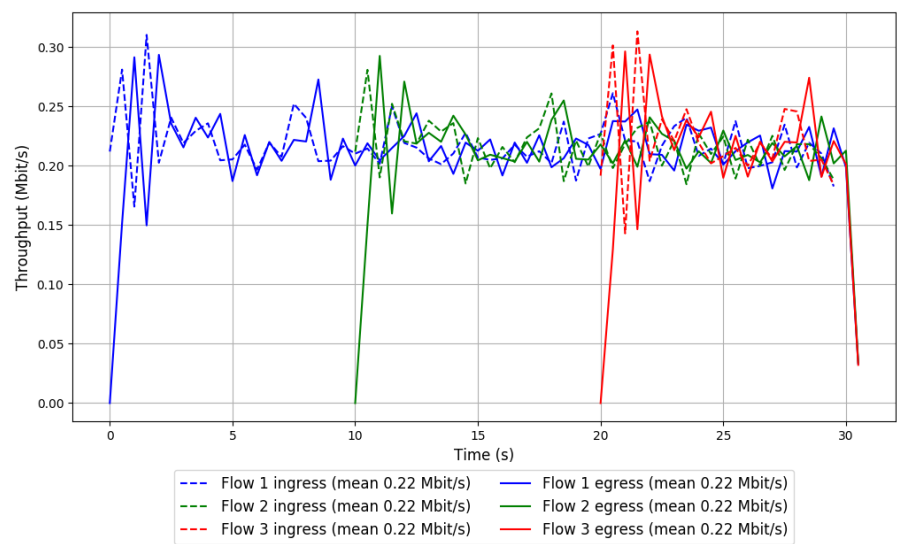
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.292 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

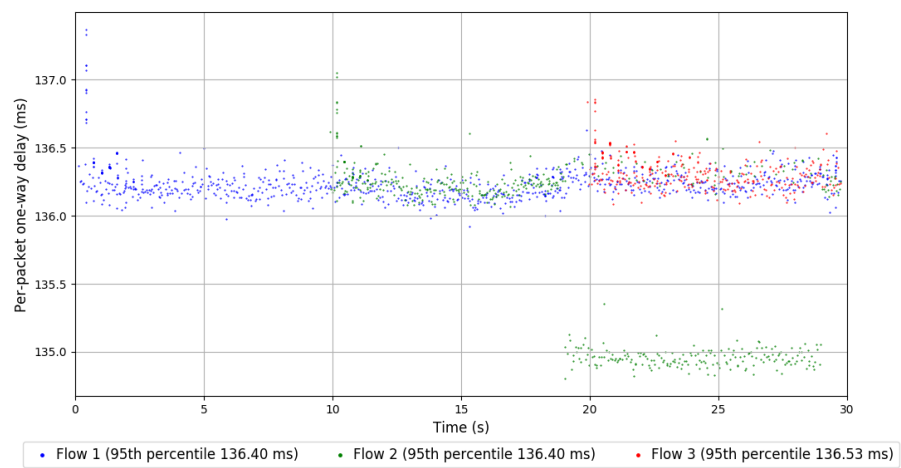
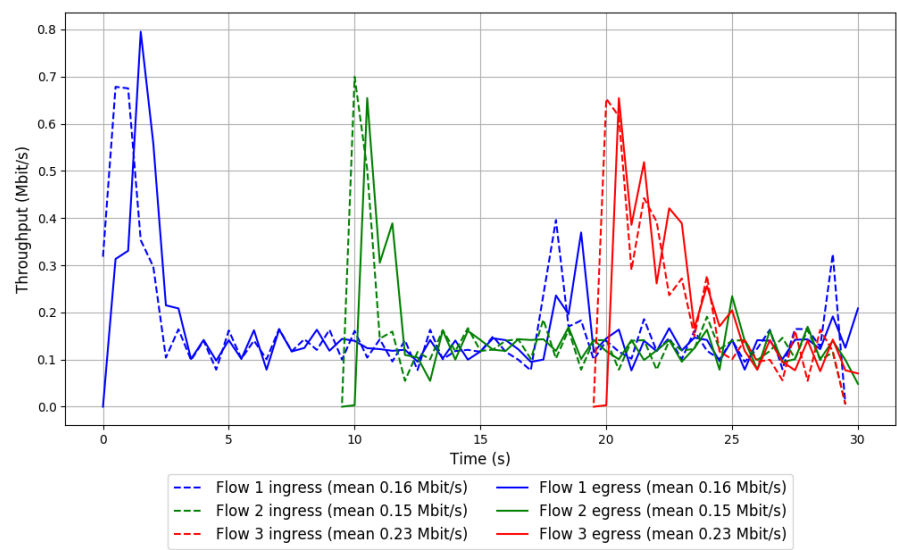


Run 1: Statistics of Sprout

Start at: 2018-08-11 06:40:50
End at: 2018-08-11 06:41:20
Local clock offset: -0.152 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-08-11 14:01:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.534 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

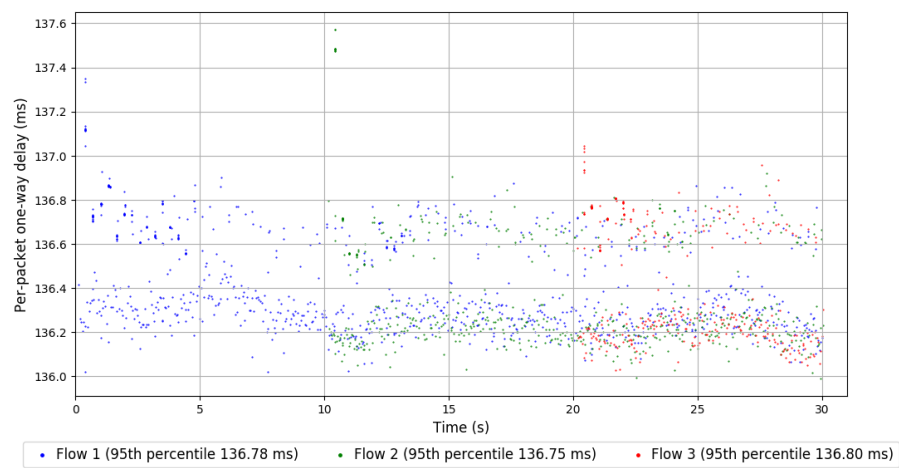
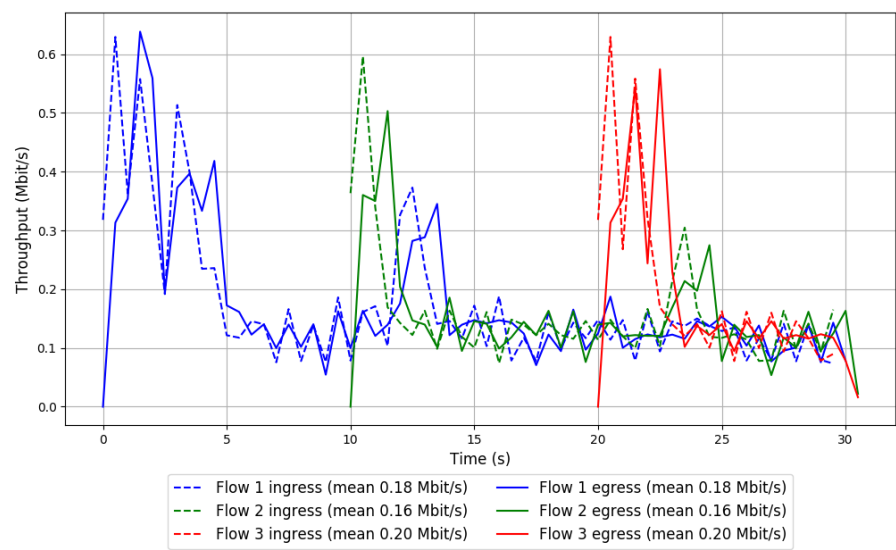


Run 2: Statistics of Sprout

Start at: 2018-08-11 07:09:06
End at: 2018-08-11 07:09:36
Local clock offset: -0.1 ms
Remote clock offset: -0.097 ms

```
# Below is generated by plot.py at 2018-08-11 14:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.784 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.804 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

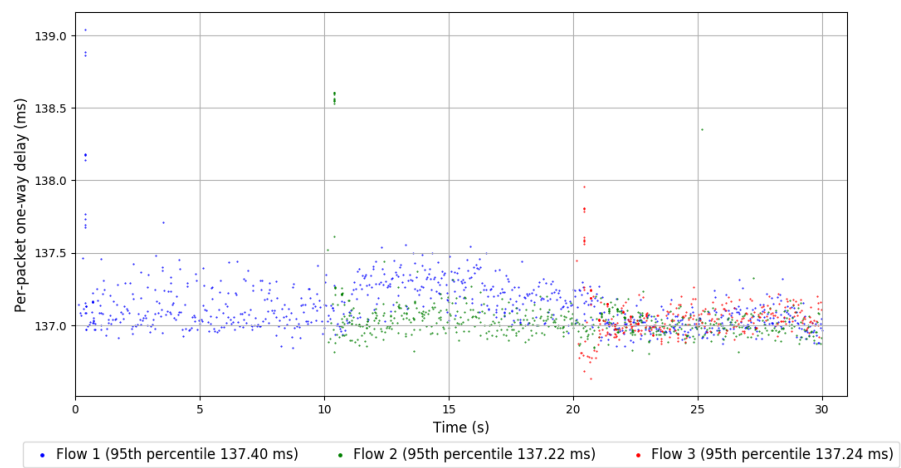
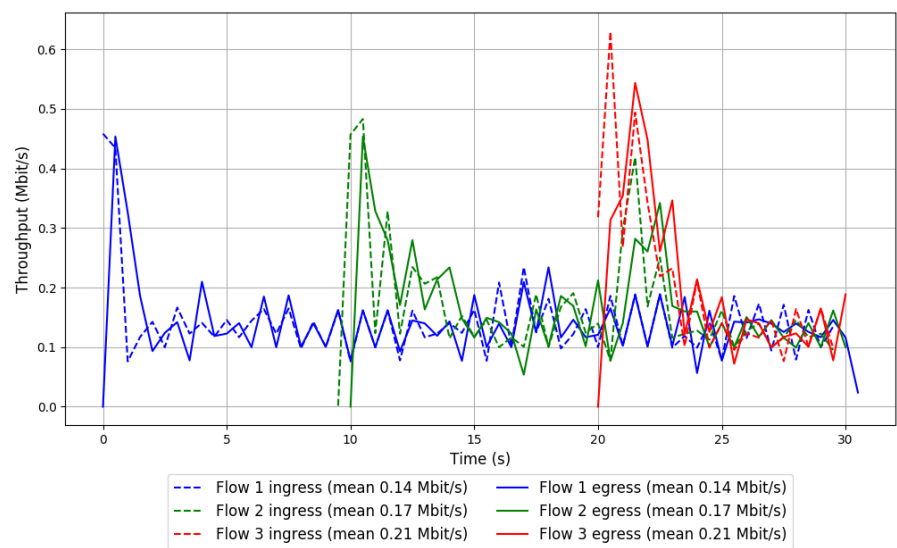


Run 3: Statistics of Sprout

Start at: 2018-08-11 07:37:28
End at: 2018-08-11 07:37:58
Local clock offset: -0.054 ms
Remote clock offset: 0.111 ms

```
# Below is generated by plot.py at 2018-08-11 14:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 137.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 137.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 137.242 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

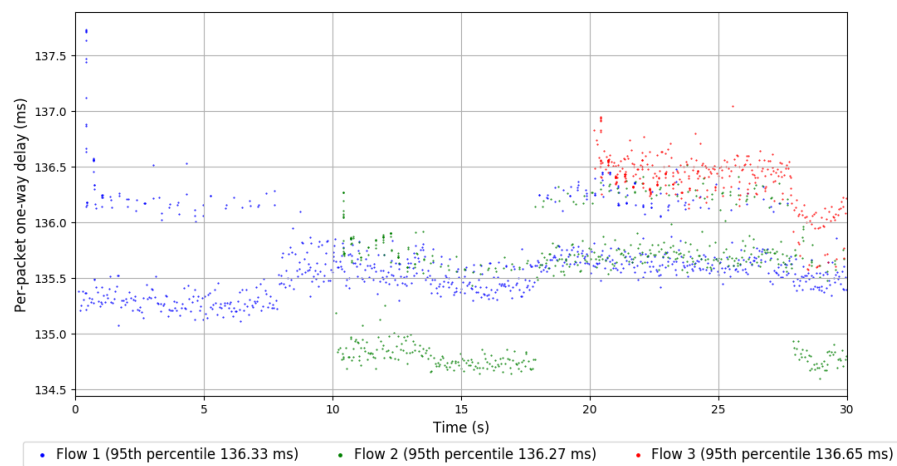
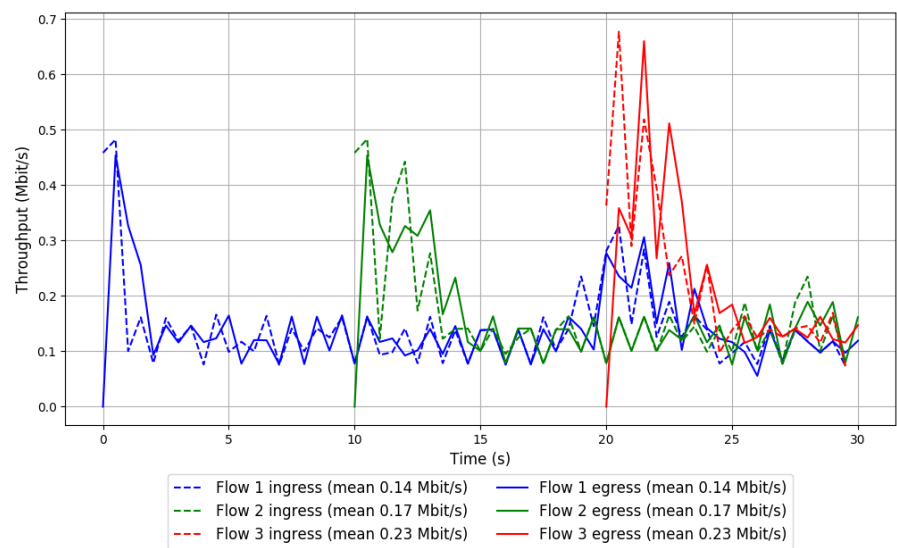


Run 4: Statistics of Sprout

Start at: 2018-08-11 08:06:01
End at: 2018-08-11 08:06:31
Local clock offset: 0.038 ms
Remote clock offset: -0.525 ms

```
# Below is generated by plot.py at 2018-08-11 14:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.647 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

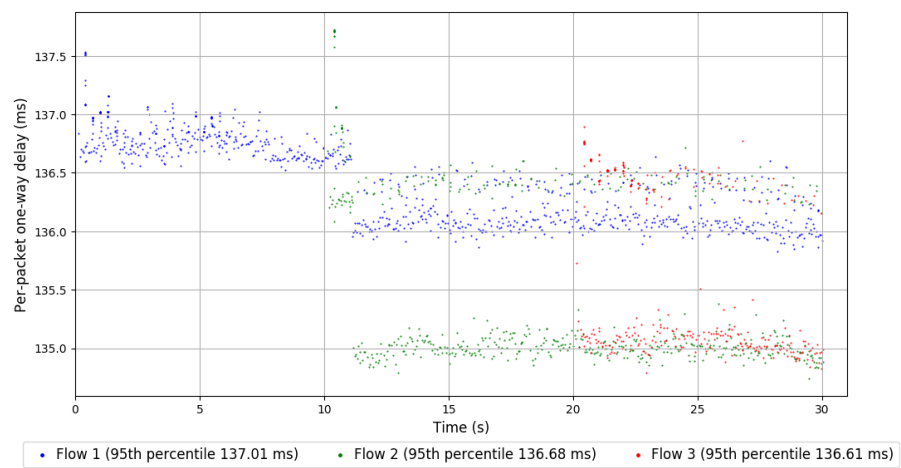
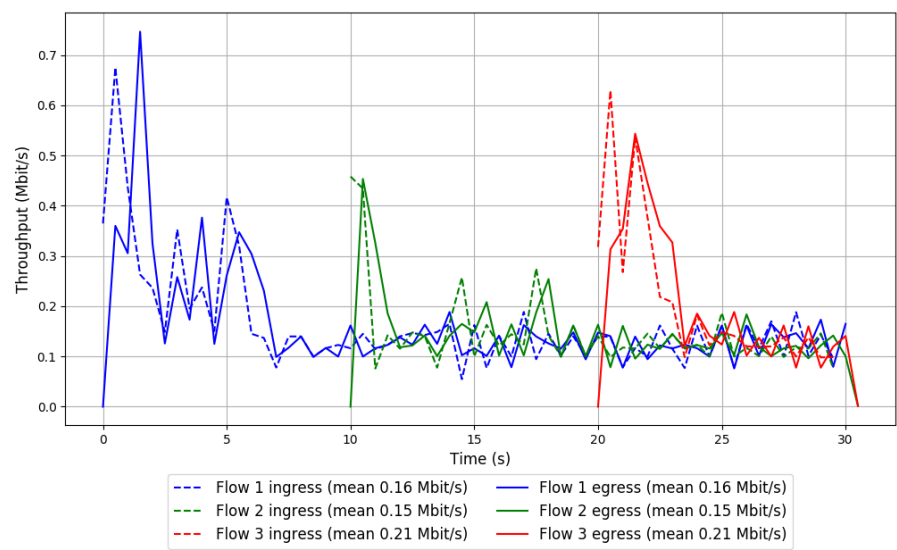


Run 5: Statistics of Sprout

Start at: 2018-08-11 08:34:18
End at: 2018-08-11 08:34:48
Local clock offset: -0.131 ms
Remote clock offset: -0.202 ms

```
# Below is generated by plot.py at 2018-08-11 14:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 137.013 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.679 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.614 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

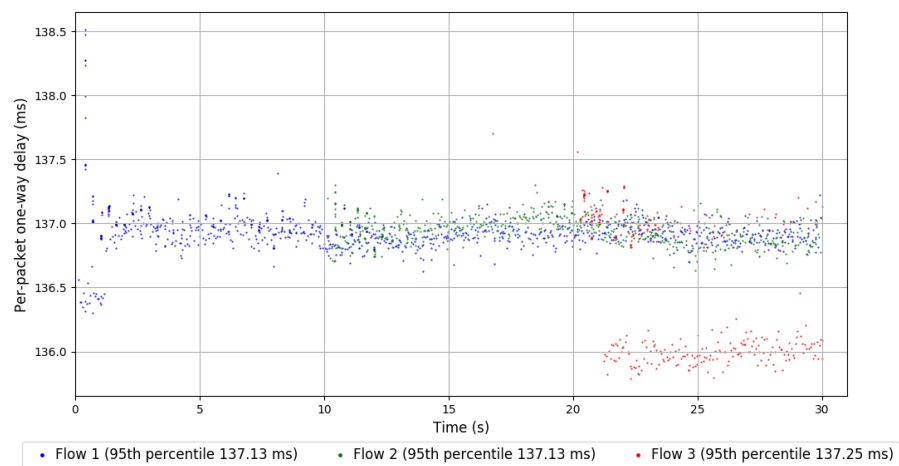
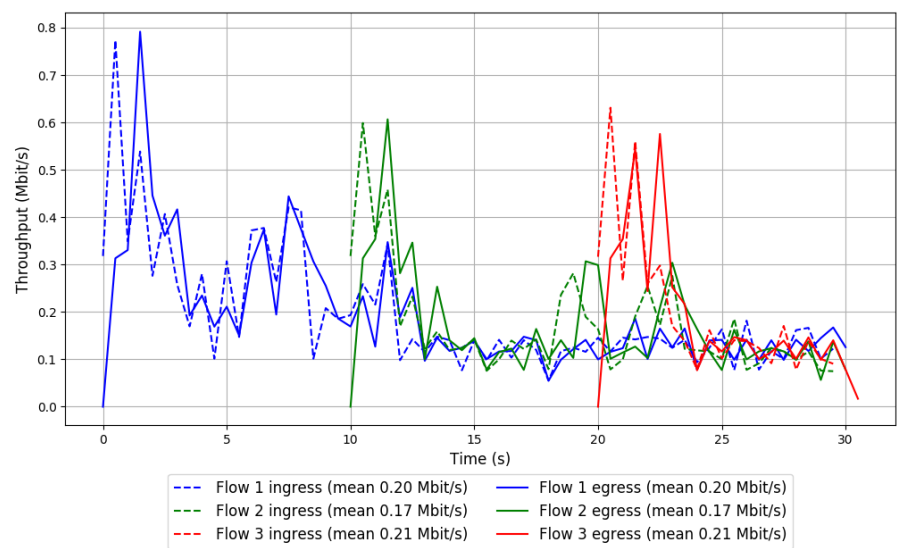


Run 6: Statistics of Sprout

Start at: 2018-08-11 09:02:28
End at: 2018-08-11 09:02:58
Local clock offset: -0.074 ms
Remote clock offset: 0.111 ms

```
# Below is generated by plot.py at 2018-08-11 14:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 137.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 137.135 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 137.248 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

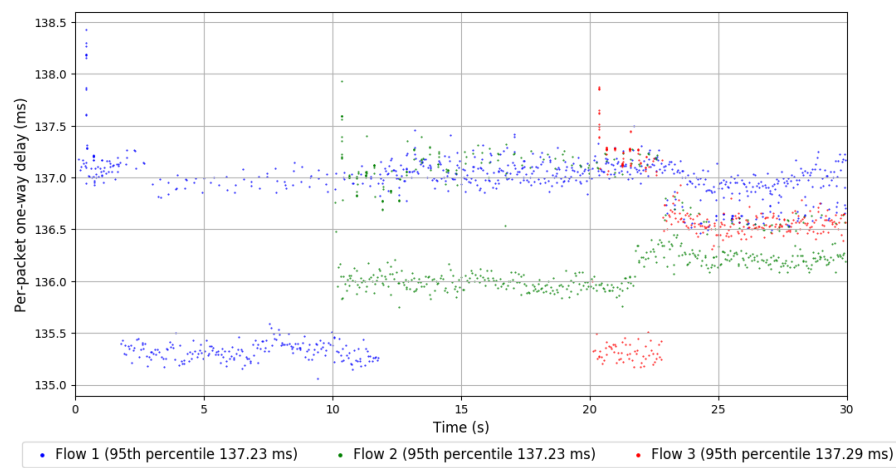
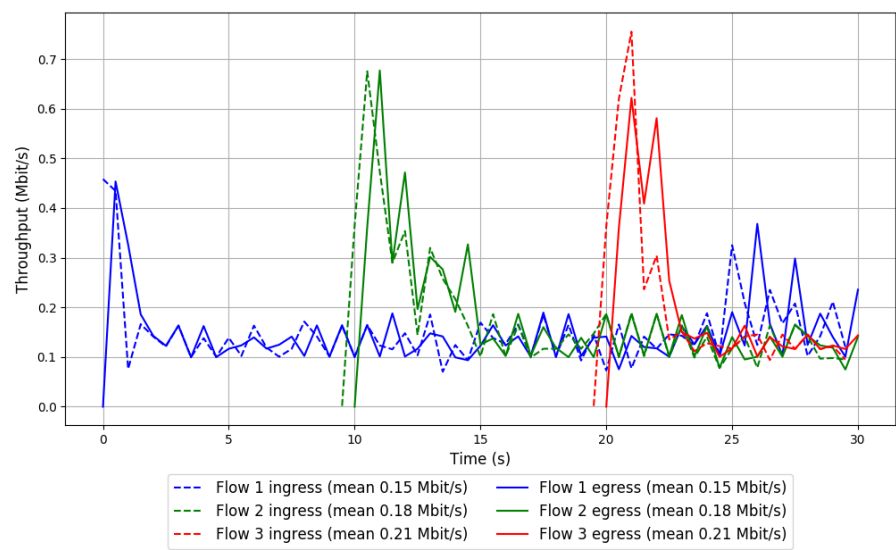


Run 7: Statistics of Sprout

Start at: 2018-08-11 09:30:26
End at: 2018-08-11 09:30:56
Local clock offset: -0.089 ms
Remote clock offset: 0.163 ms

```
# Below is generated by plot.py at 2018-08-11 14:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 137.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 137.230 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 137.286 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

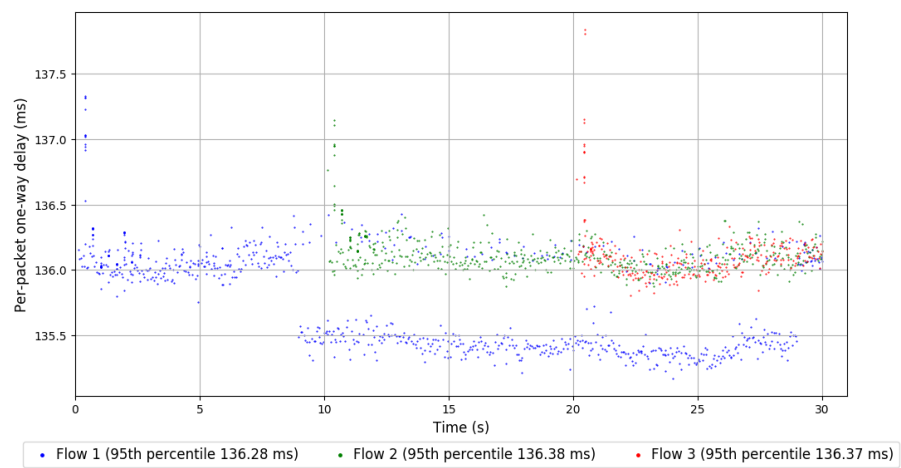
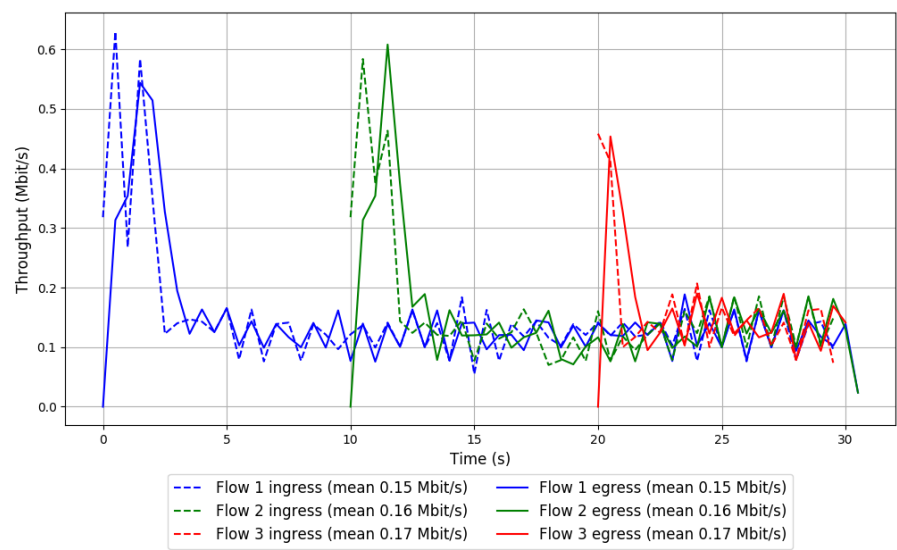


Run 8: Statistics of Sprout

Start at: 2018-08-11 09:58:40
End at: 2018-08-11 09:59:10
Local clock offset: 0.098 ms
Remote clock offset: -0.12 ms

```
# Below is generated by plot.py at 2018-08-11 14:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.285 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.369 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

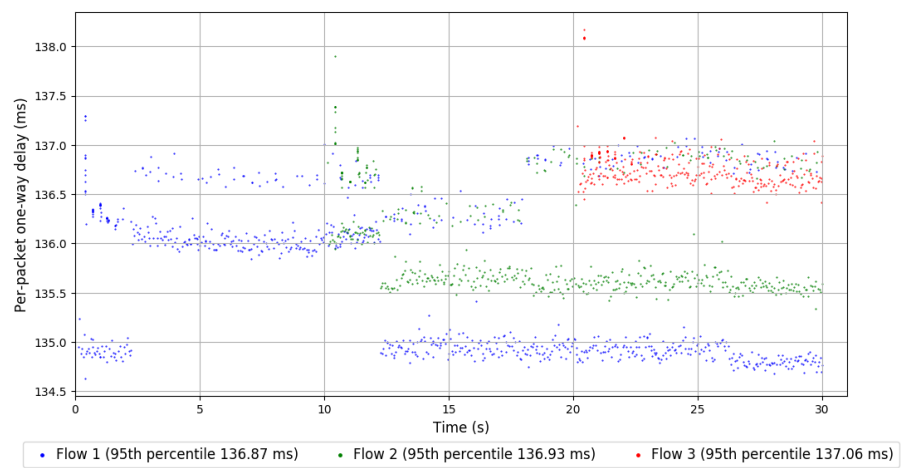
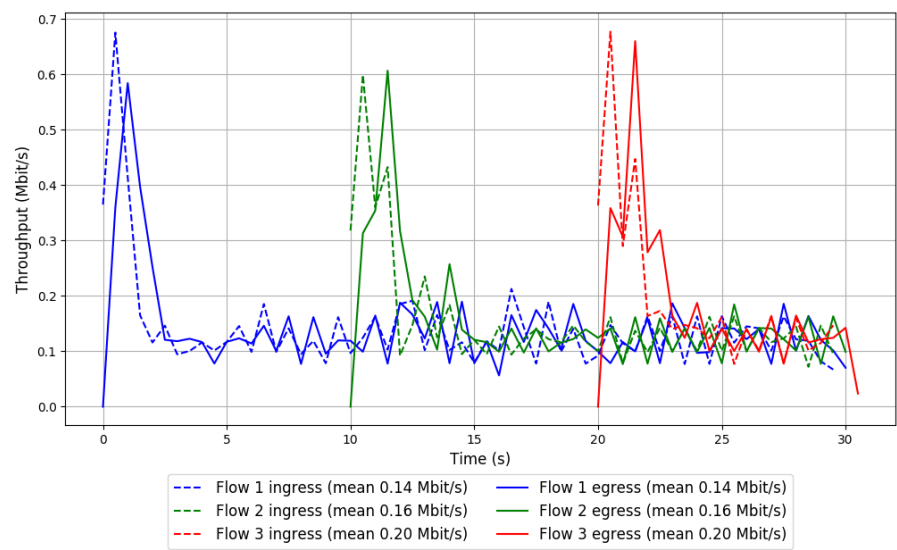


Run 9: Statistics of Sprout

Start at: 2018-08-11 10:26:47
End at: 2018-08-11 10:27:17
Local clock offset: 0.089 ms
Remote clock offset: -0.207 ms

```
# Below is generated by plot.py at 2018-08-11 14:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.930 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 137.055 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-11 10:54:22

End at: 2018-08-11 10:54:52

Local clock offset: 0.093 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-08-11 14:01:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 137.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.503 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.17 Mbit/s

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

Loss rate: 0.00%

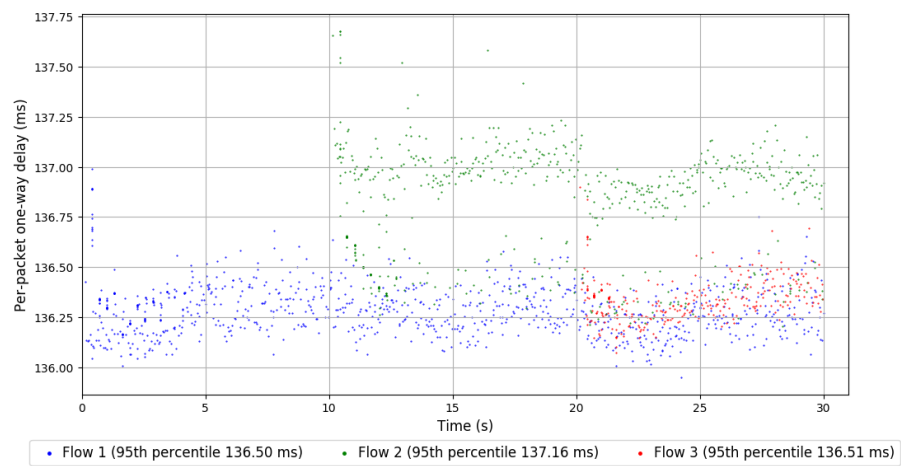
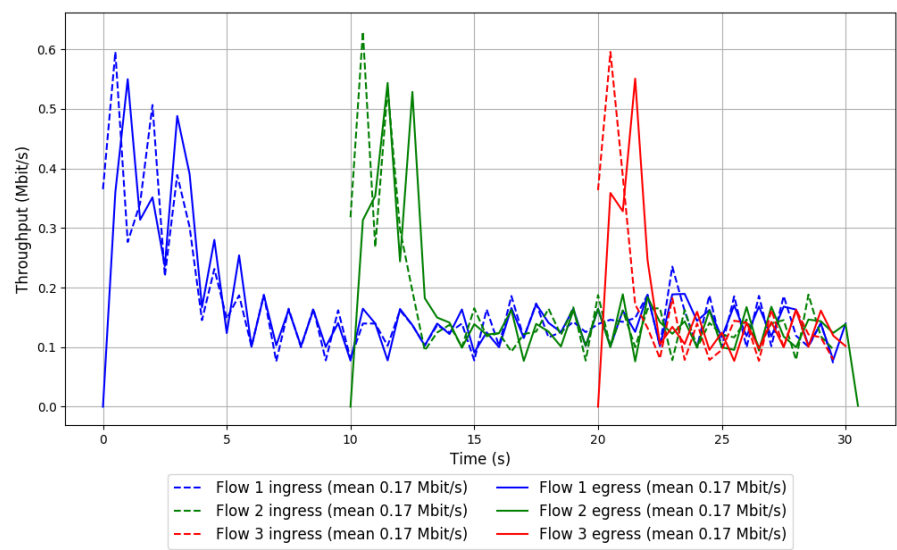
-- Flow 3:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.512 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

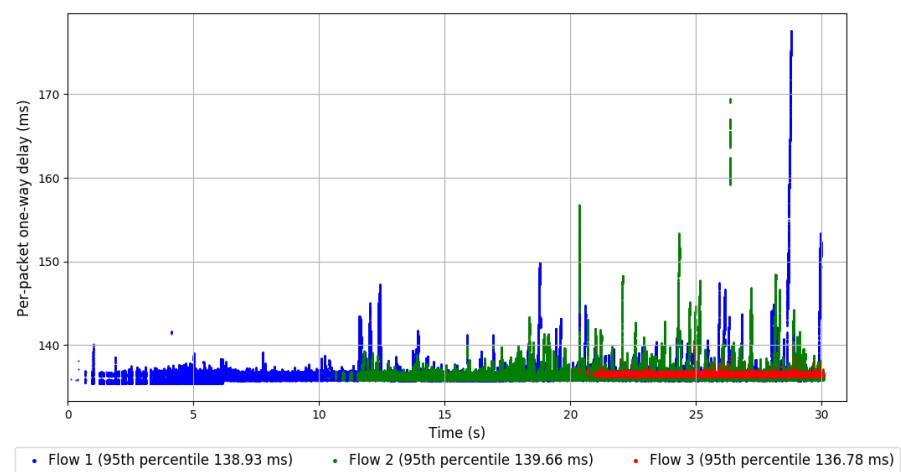
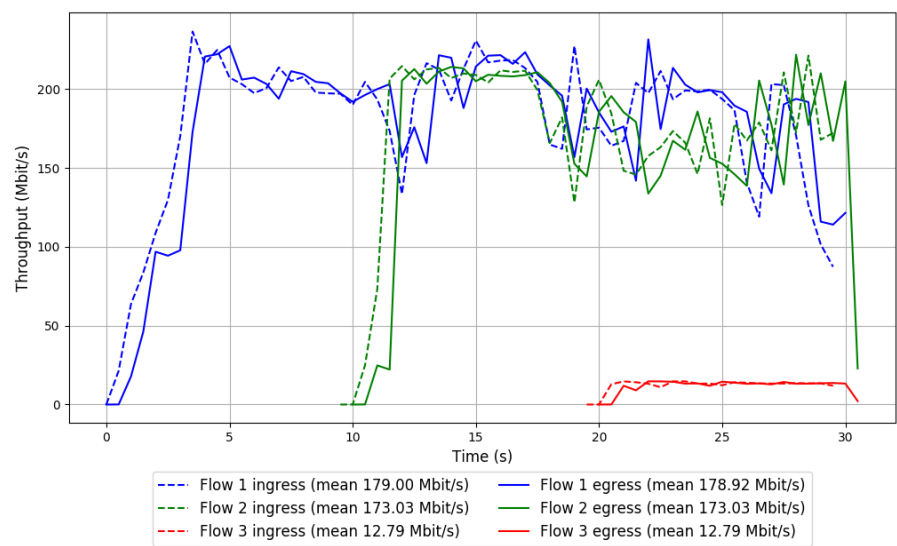


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-11 07:05:32
End at: 2018-08-11 07:06:02
Local clock offset: 0.028 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-11 14:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.05 Mbit/s
95th percentile per-packet one-way delay: 139.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.92 Mbit/s
95th percentile per-packet one-way delay: 138.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.03 Mbit/s
95th percentile per-packet one-way delay: 139.657 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 136.778 ms
Loss rate: 0.00%

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

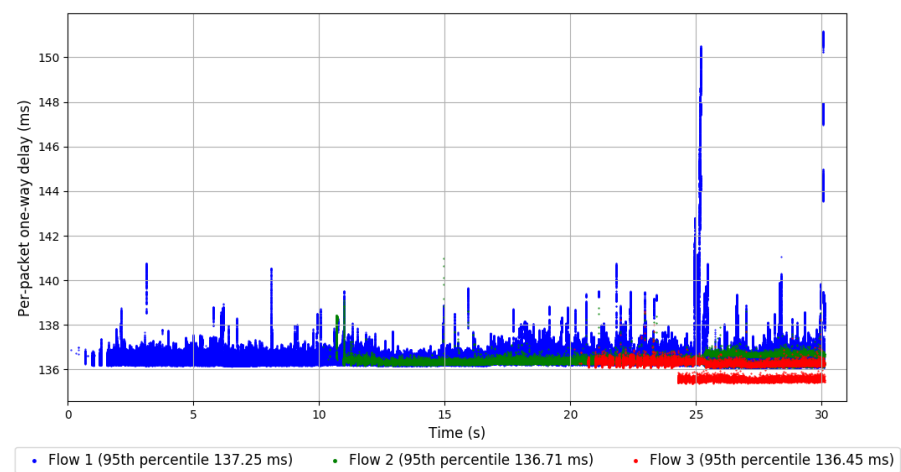
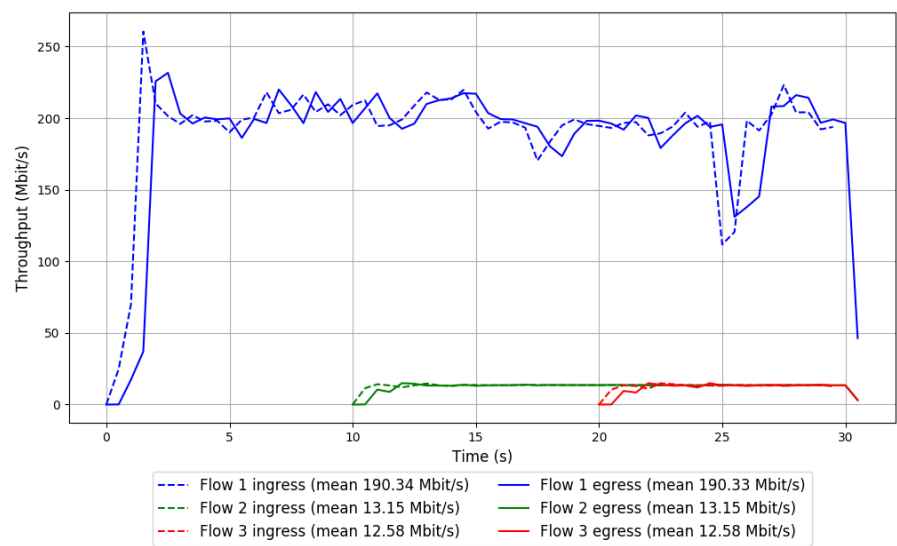


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-11 07:34:04
End at: 2018-08-11 07:34:34
Local clock offset: 0.102 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-08-11 14:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.26 Mbit/s
95th percentile per-packet one-way delay: 137.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.33 Mbit/s
95th percentile per-packet one-way delay: 137.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 136.714 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 136.447 ms
Loss rate: 0.00%

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

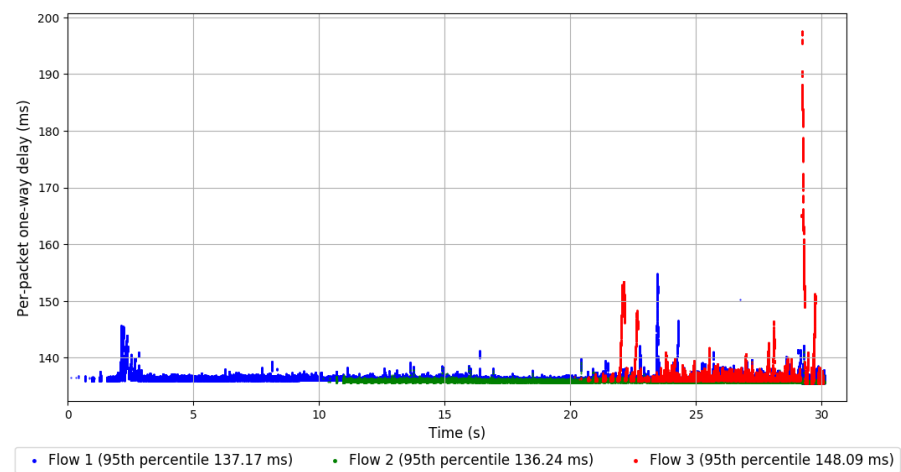
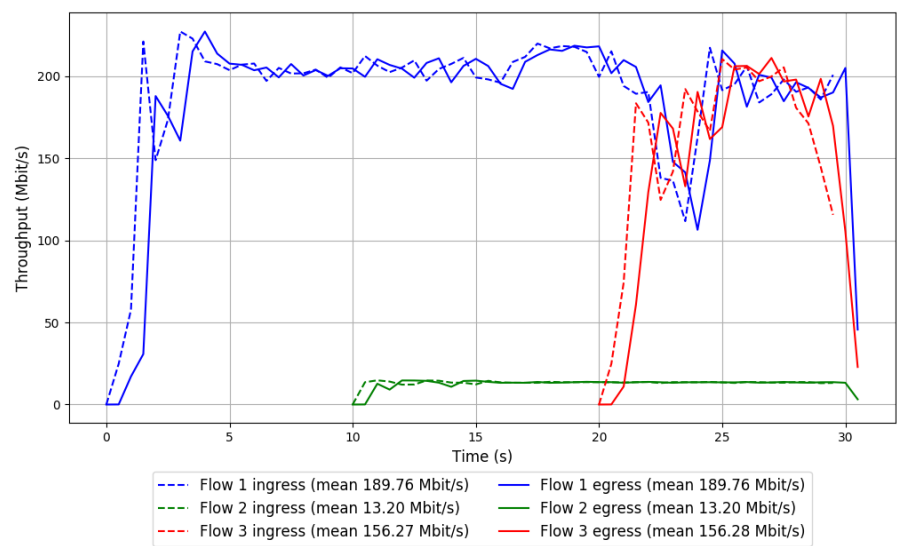


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-11 08:02:30
End at: 2018-08-11 08:03:00
Local clock offset: 0.19 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-08-11 14:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.15 Mbit/s
95th percentile per-packet one-way delay: 137.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.76 Mbit/s
95th percentile per-packet one-way delay: 137.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 136.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.28 Mbit/s
95th percentile per-packet one-way delay: 148.087 ms
Loss rate: 0.00%

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

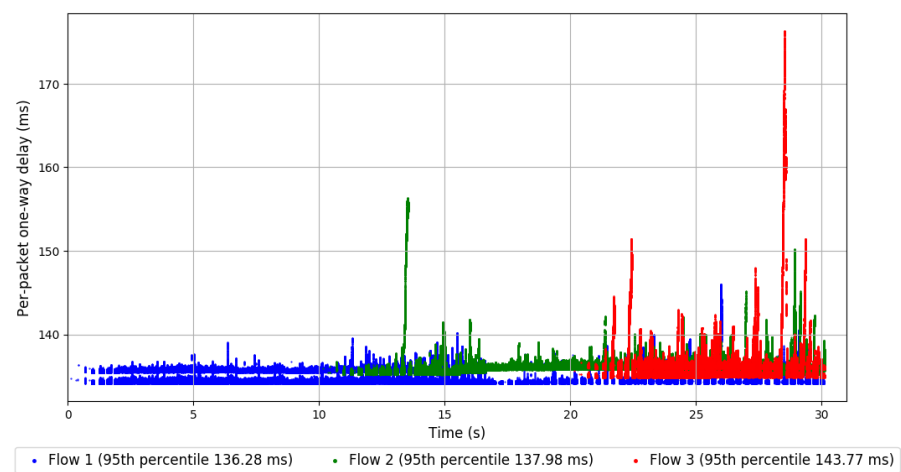
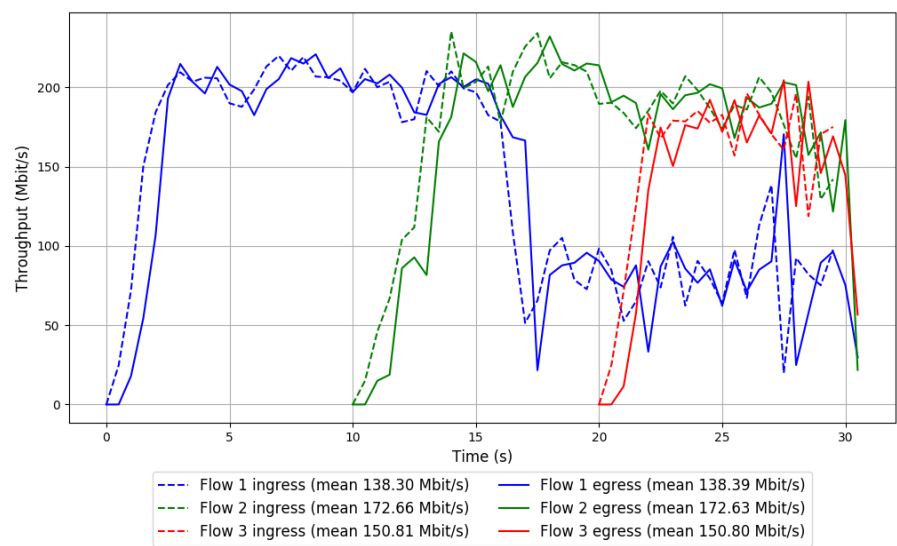


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-11 08:30:43
End at: 2018-08-11 08:31:13
Local clock offset: 0.04 ms
Remote clock offset: -0.551 ms

Below is generated by plot.py at 2018-08-11 14:04:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.40 Mbit/s
95th percentile per-packet one-way delay: 137.909 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 138.39 Mbit/s
95th percentile per-packet one-way delay: 136.278 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.63 Mbit/s
95th percentile per-packet one-way delay: 137.979 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 150.80 Mbit/s
95th percentile per-packet one-way delay: 143.774 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-11 08:59:09

End at: 2018-08-11 08:59:39

Local clock offset: 0.012 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-08-11 14:04:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.70 Mbit/s

95th percentile per-packet one-way delay: 137.005 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 136.740 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 187.95 Mbit/s

95th percentile per-packet one-way delay: 137.050 ms

Loss rate: 0.00%

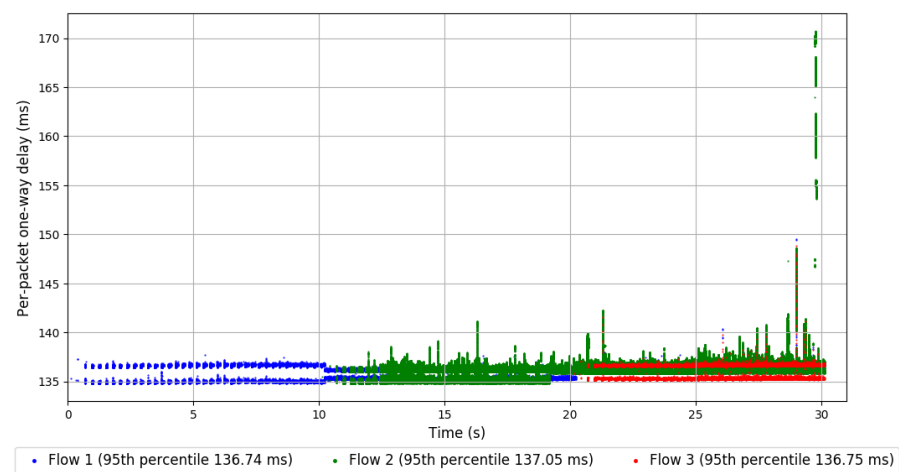
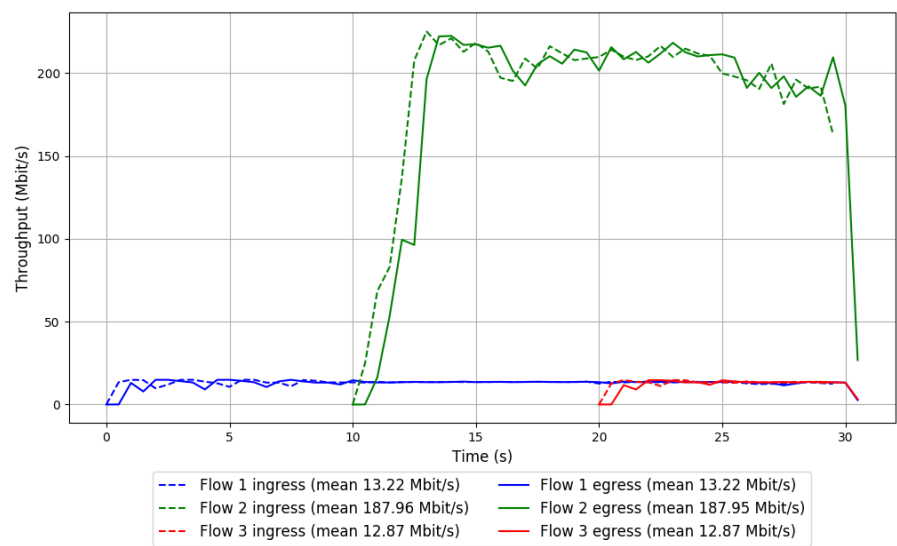
-- Flow 3:

Average throughput: 12.87 Mbit/s

95th percentile per-packet one-way delay: 136.754 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-11 09:27:05

End at: 2018-08-11 09:27:35

Local clock offset: 0.102 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-08-11 14:04:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 181.00 Mbit/s

95th percentile per-packet one-way delay: 139.346 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 136.662 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 183.61 Mbit/s

95th percentile per-packet one-way delay: 137.795 ms

Loss rate: 0.00%

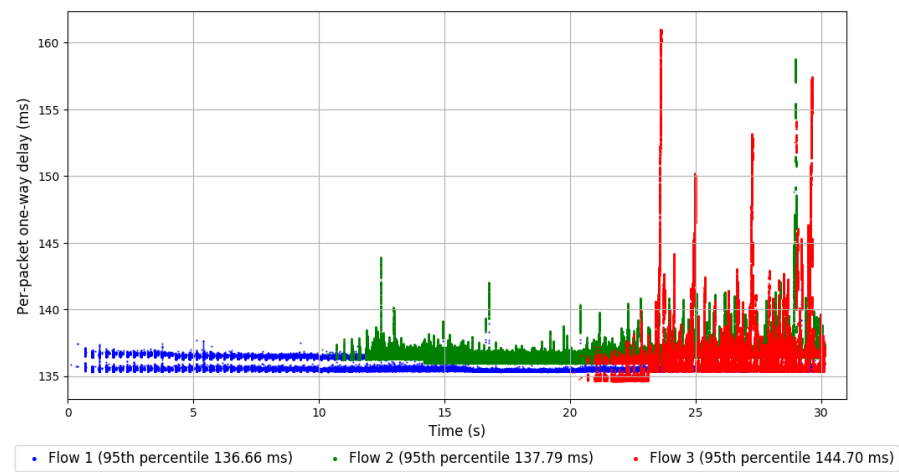
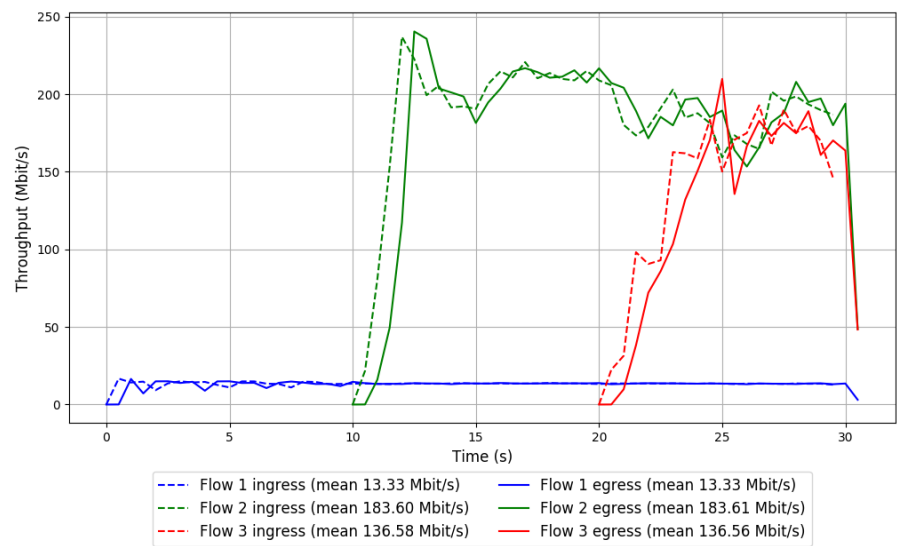
-- Flow 3:

Average throughput: 136.56 Mbit/s

95th percentile per-packet one-way delay: 144.696 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-11 09:55:19

End at: 2018-08-11 09:55:49

Local clock offset: -0.02 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-08-11 14:05:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 178.75 Mbit/s

95th percentile per-packet one-way delay: 141.392 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.89 Mbit/s

95th percentile per-packet one-way delay: 136.911 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 173.40 Mbit/s

95th percentile per-packet one-way delay: 140.745 ms

Loss rate: 0.00%

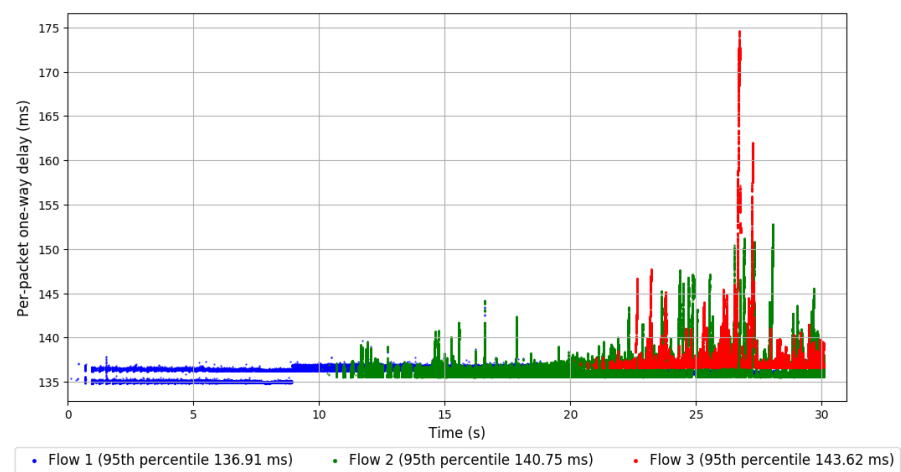
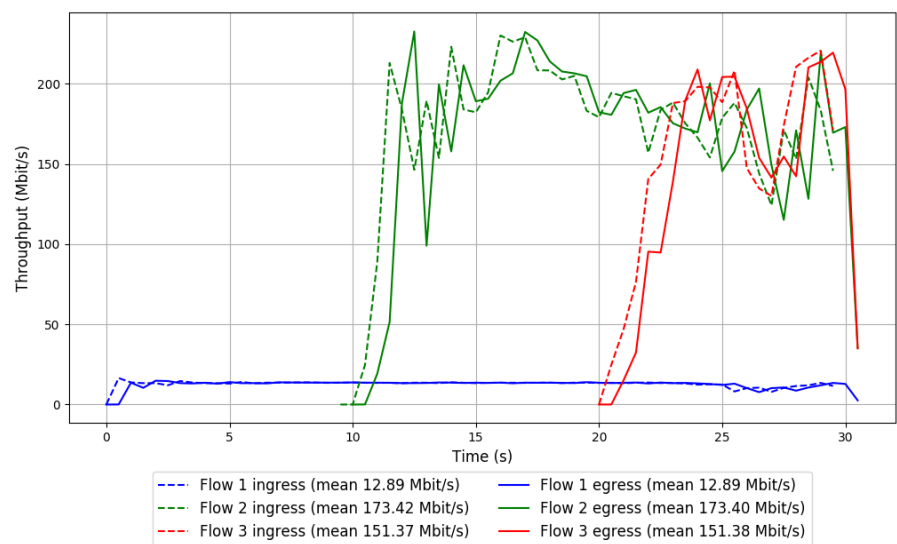
-- Flow 3:

Average throughput: 151.38 Mbit/s

95th percentile per-packet one-way delay: 143.624 ms

Loss rate: 0.00%

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

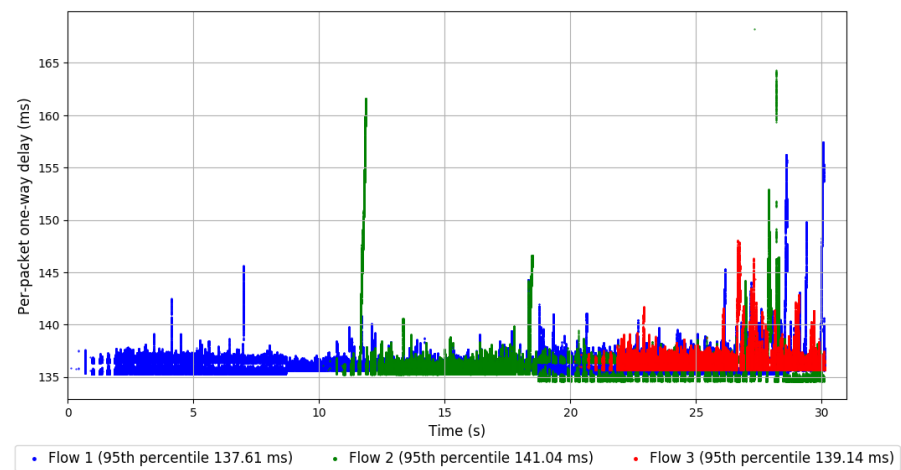
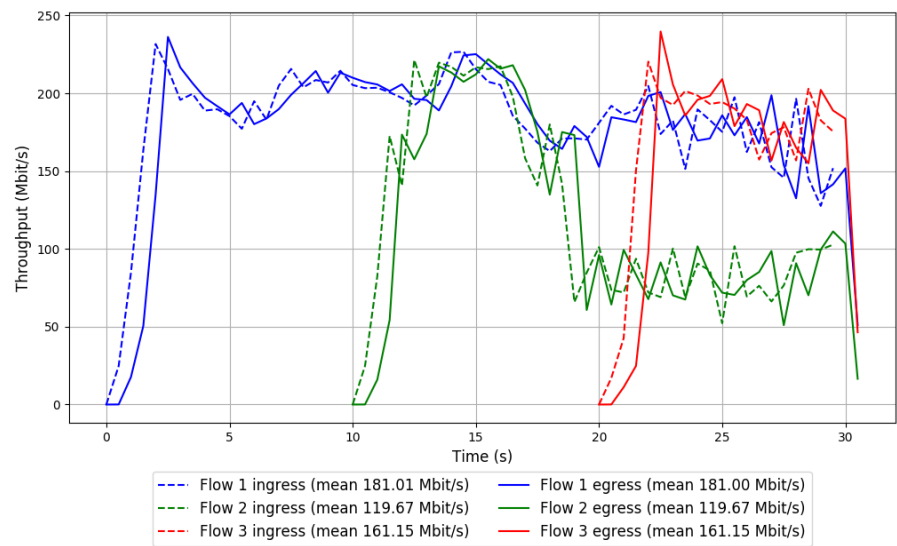


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-11 10:23:11
End at: 2018-08-11 10:23:41
Local clock offset: 0.043 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-08-11 14:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.17 Mbit/s
95th percentile per-packet one-way delay: 138.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.00 Mbit/s
95th percentile per-packet one-way delay: 137.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.67 Mbit/s
95th percentile per-packet one-way delay: 141.036 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.15 Mbit/s
95th percentile per-packet one-way delay: 139.137 ms
Loss rate: 0.00%

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

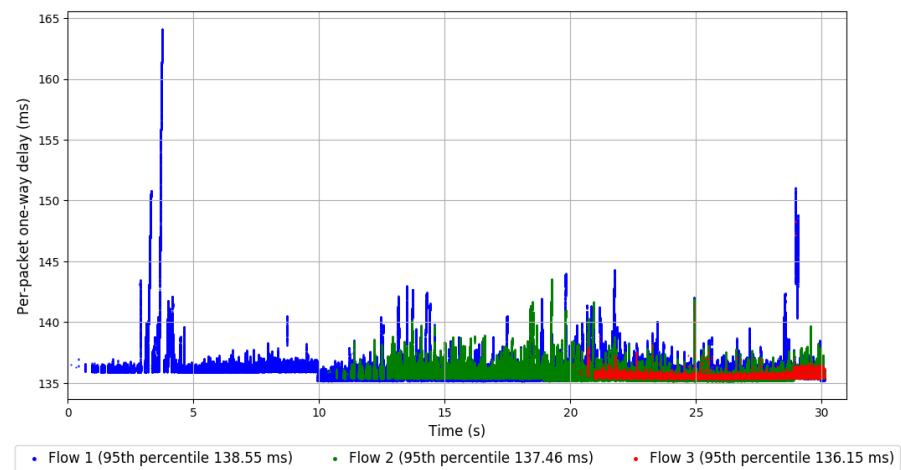
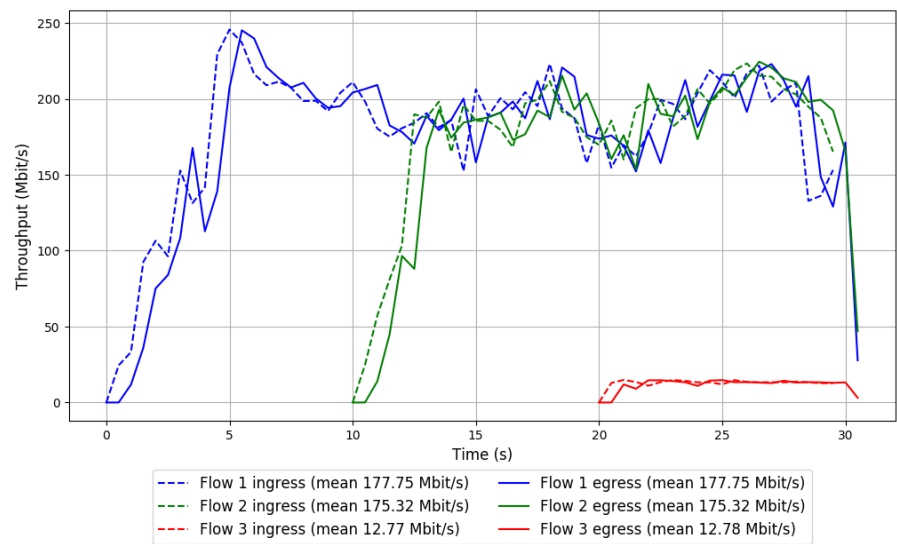


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-11 10:50:49
End at: 2018-08-11 10:51:19
Local clock offset: 0.014 ms
Remote clock offset: -0.589 ms

Below is generated by plot.py at 2018-08-11 14:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.75 Mbit/s
95th percentile per-packet one-way delay: 137.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.75 Mbit/s
95th percentile per-packet one-way delay: 138.550 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.32 Mbit/s
95th percentile per-packet one-way delay: 137.457 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 136.148 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-11 11:18:46

End at: 2018-08-11 11:19:16

Local clock offset: -0.06 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2018-08-11 14:12:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.58 Mbit/s

95th percentile per-packet one-way delay: 138.452 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 186.09 Mbit/s

95th percentile per-packet one-way delay: 138.258 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 171.19 Mbit/s

95th percentile per-packet one-way delay: 138.729 ms

Loss rate: 0.00%

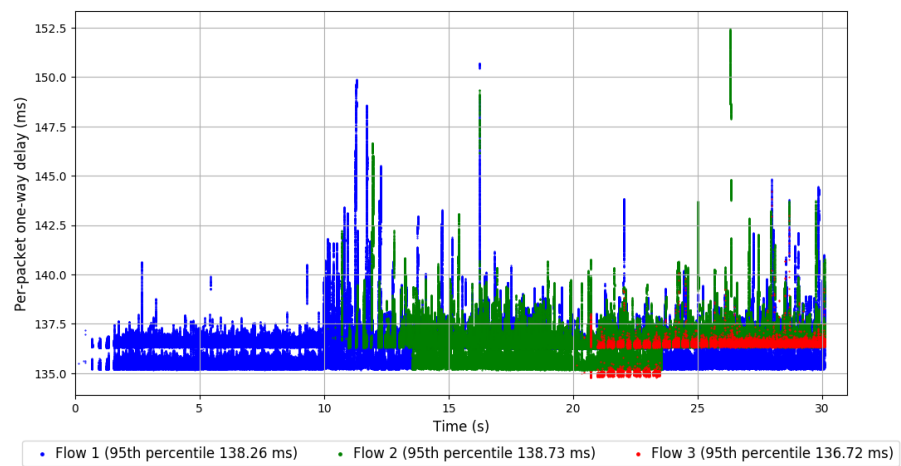
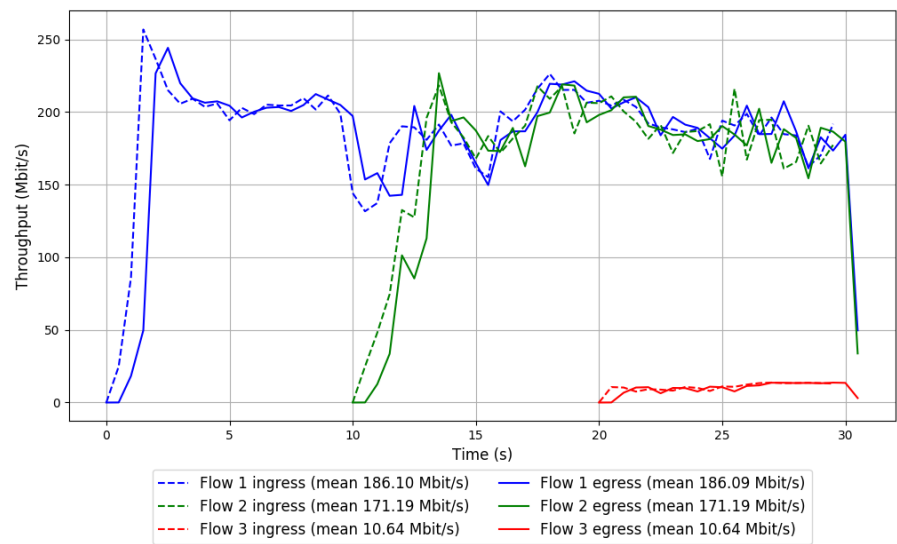
-- Flow 3:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 136.725 ms

Loss rate: 0.00%

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

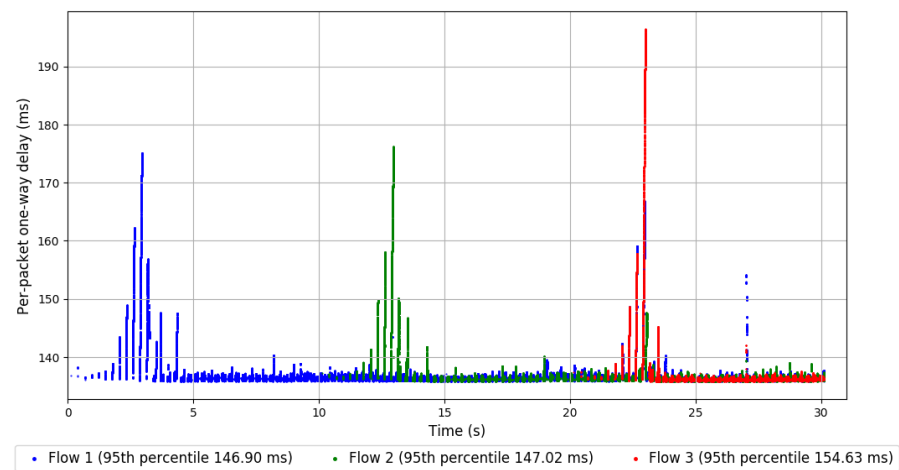
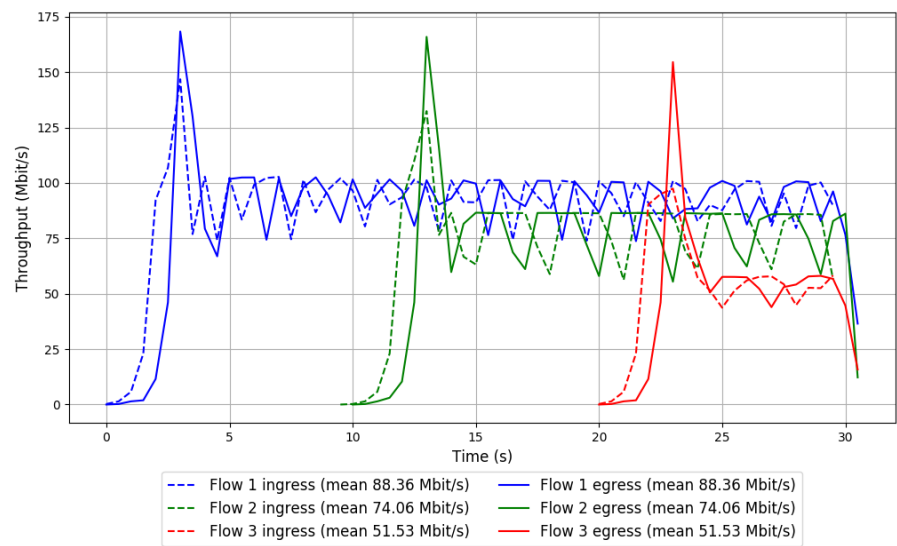


Run 1: Statistics of TCP Vegas

Start at: 2018-08-11 06:54:02
End at: 2018-08-11 06:54:32
Local clock offset: -0.034 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-11 14:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.83 Mbit/s
95th percentile per-packet one-way delay: 147.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.36 Mbit/s
95th percentile per-packet one-way delay: 146.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.06 Mbit/s
95th percentile per-packet one-way delay: 147.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.53 Mbit/s
95th percentile per-packet one-way delay: 154.626 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

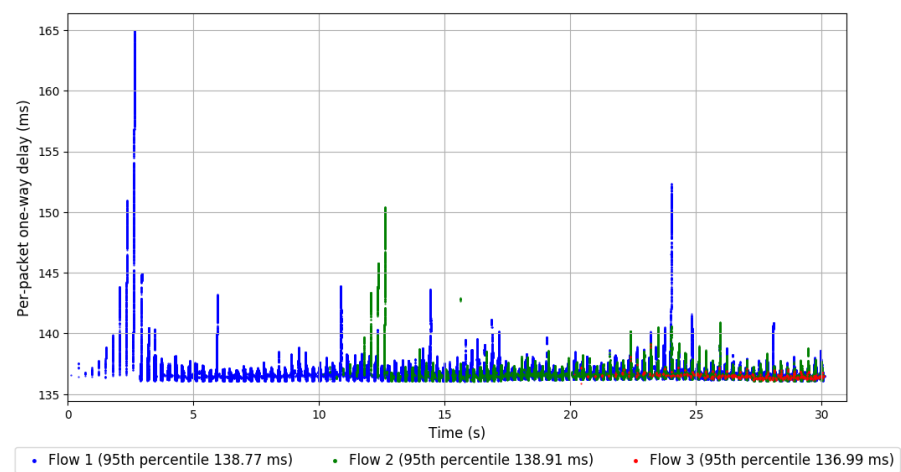
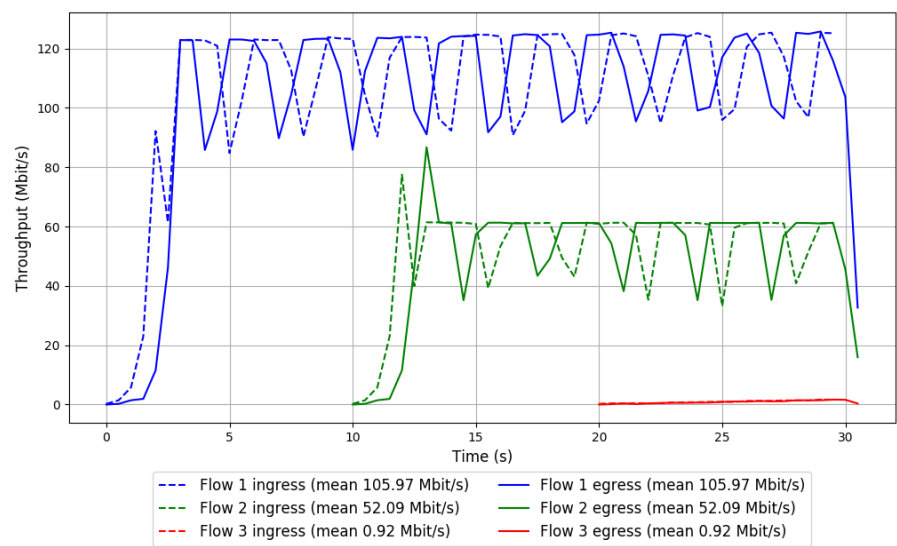


Run 2: Statistics of TCP Vegas

Start at: 2018-08-11 07:22:22
End at: 2018-08-11 07:22:52
Local clock offset: 0.178 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-11 14:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.95 Mbit/s
95th percentile per-packet one-way delay: 138.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.97 Mbit/s
95th percentile per-packet one-way delay: 138.767 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.09 Mbit/s
95th percentile per-packet one-way delay: 138.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 136.986 ms
Loss rate: 0.65%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-11 07:50:46

End at: 2018-08-11 07:51:16

Local clock offset: 0.024 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2018-08-11 14:12:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 156.72 Mbit/s

95th percentile per-packet one-way delay: 148.478 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 94.88 Mbit/s

95th percentile per-packet one-way delay: 143.905 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.58 Mbit/s

95th percentile per-packet one-way delay: 138.501 ms

Loss rate: 0.00%

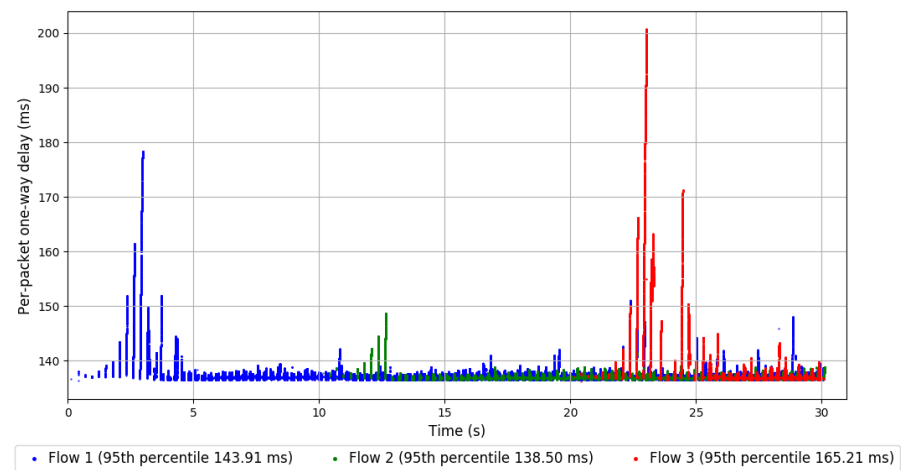
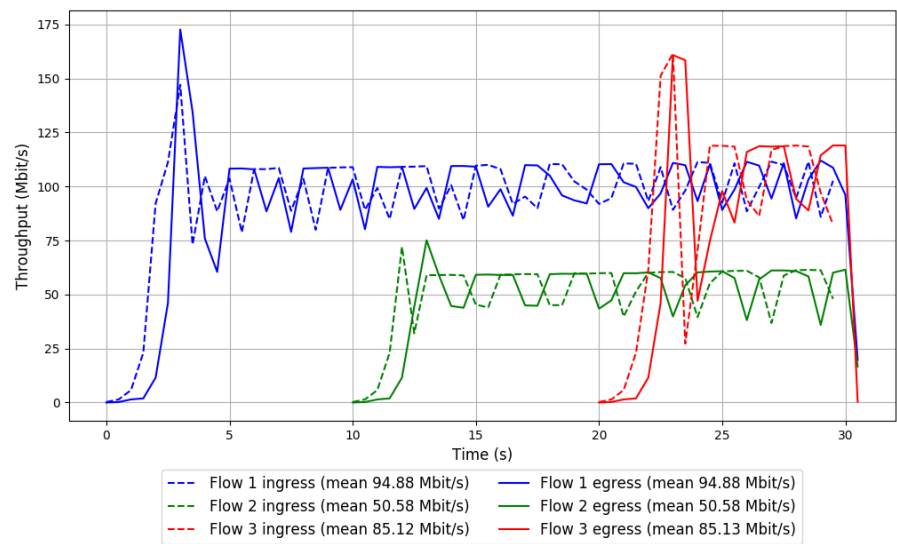
-- Flow 3:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 165.208 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

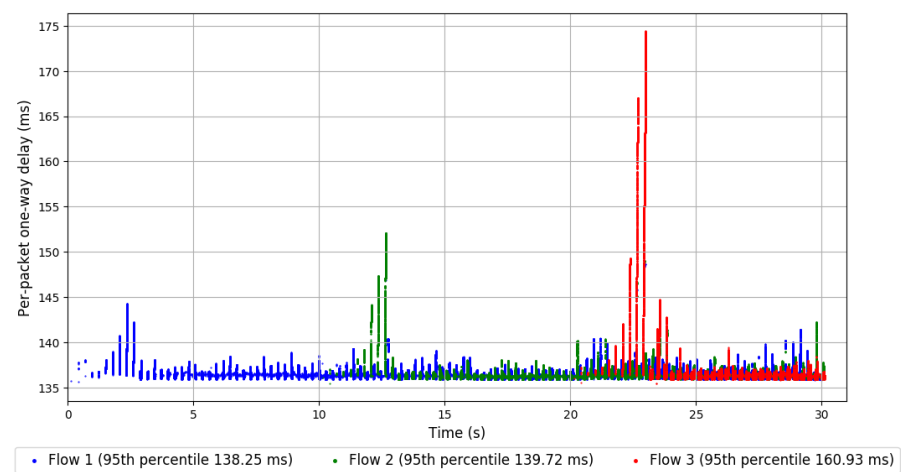
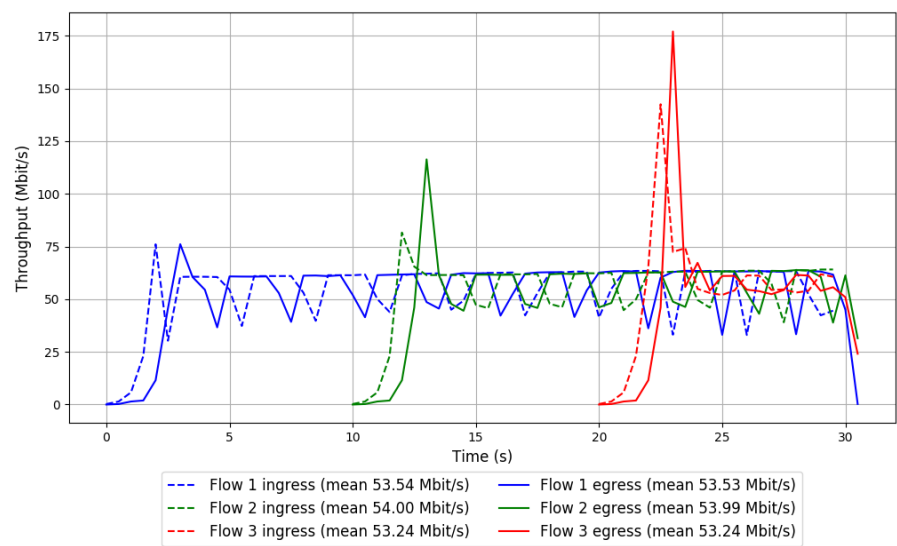


Run 4: Statistics of TCP Vegas

Start at: 2018-08-11 08:19:12
End at: 2018-08-11 08:19:42
Local clock offset: -0.026 ms
Remote clock offset: -0.558 ms

Below is generated by plot.py at 2018-08-11 14:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.13 Mbit/s
95th percentile per-packet one-way delay: 140.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.53 Mbit/s
95th percentile per-packet one-way delay: 138.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 139.725 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.24 Mbit/s
95th percentile per-packet one-way delay: 160.934 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

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

End at: 2018-08-11 08:47:52

Local clock offset: 0.058 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-08-11 14:12:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.00 Mbit/s

95th percentile per-packet one-way delay: 143.491 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 73.42 Mbit/s

95th percentile per-packet one-way delay: 141.024 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 76.40 Mbit/s

95th percentile per-packet one-way delay: 142.042 ms

Loss rate: 0.00%

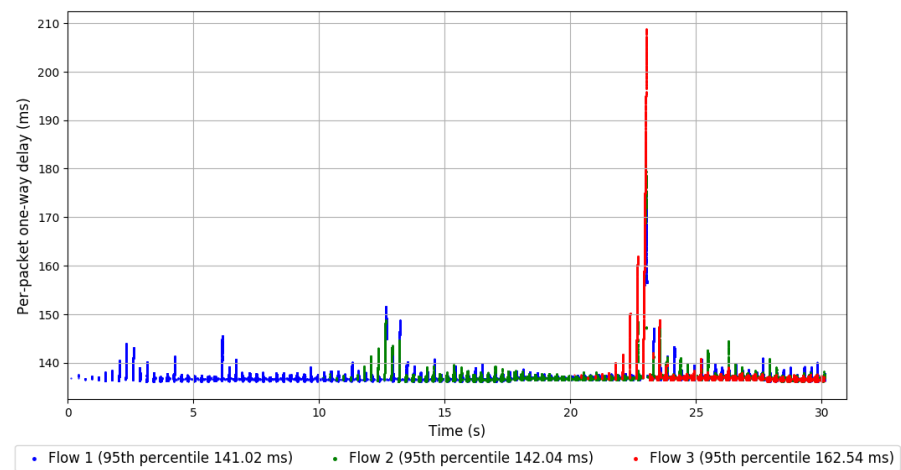
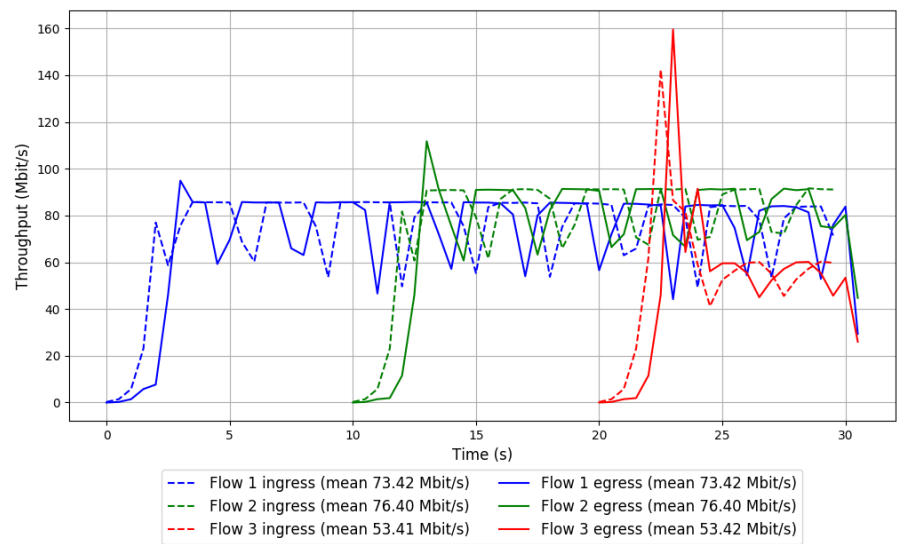
-- Flow 3:

Average throughput: 53.42 Mbit/s

95th percentile per-packet one-way delay: 162.542 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-11 09:15:25

End at: 2018-08-11 09:15:55

Local clock offset: 0.106 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-08-11 14:12:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 157.02 Mbit/s

95th percentile per-packet one-way delay: 141.291 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 101.18 Mbit/s

95th percentile per-packet one-way delay: 143.473 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 83.50 Mbit/s

95th percentile per-packet one-way delay: 138.792 ms

Loss rate: 0.00%

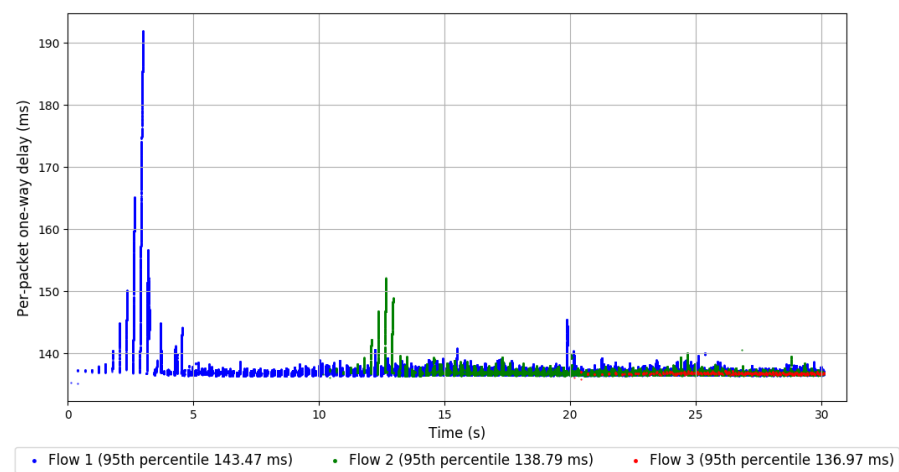
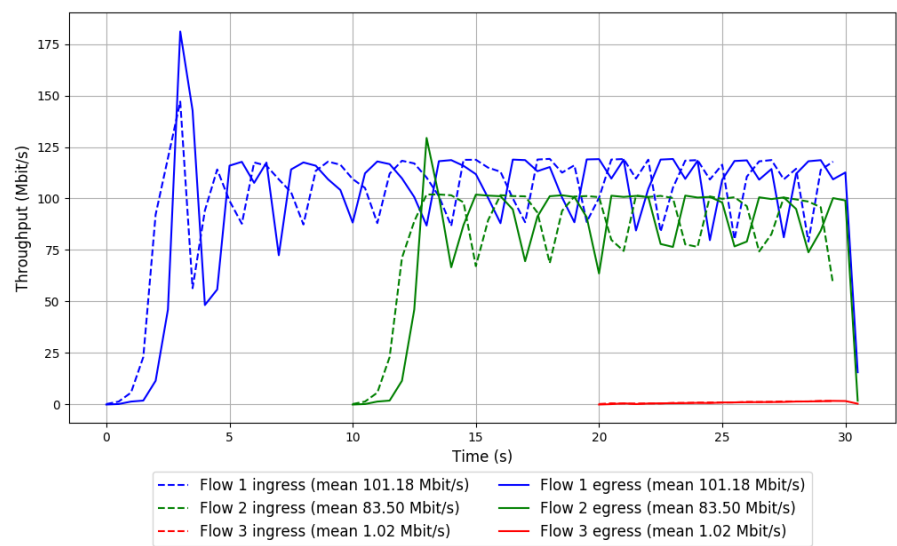
-- Flow 3:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 136.969 ms

Loss rate: 0.24%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-11 09:43:39

End at: 2018-08-11 09:44:09

Local clock offset: -0.059 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-08-11 14:12:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.64 Mbit/s

95th percentile per-packet one-way delay: 139.322 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 91.45 Mbit/s

95th percentile per-packet one-way delay: 139.085 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.13 Mbit/s

95th percentile per-packet one-way delay: 139.061 ms

Loss rate: 0.00%

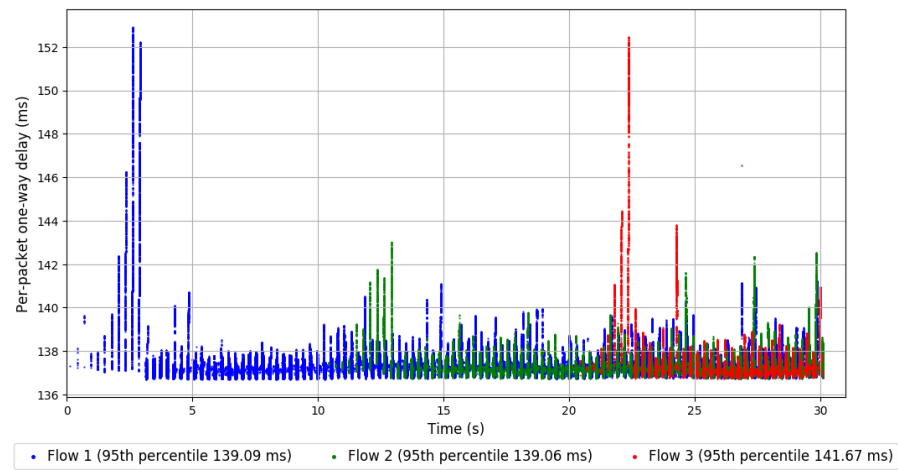
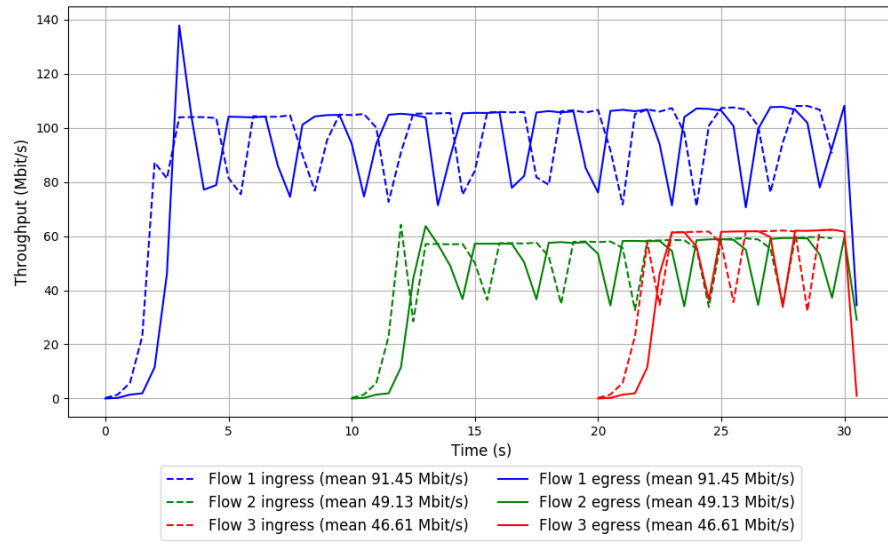
-- Flow 3:

Average throughput: 46.61 Mbit/s

95th percentile per-packet one-way delay: 141.670 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-11 10:11:38

End at: 2018-08-11 10:12:08

Local clock offset: 0.047 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-08-11 14:12:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.18 Mbit/s

95th percentile per-packet one-way delay: 138.932 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.24 Mbit/s

95th percentile per-packet one-way delay: 139.044 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.19 Mbit/s

95th percentile per-packet one-way delay: 138.923 ms

Loss rate: 0.00%

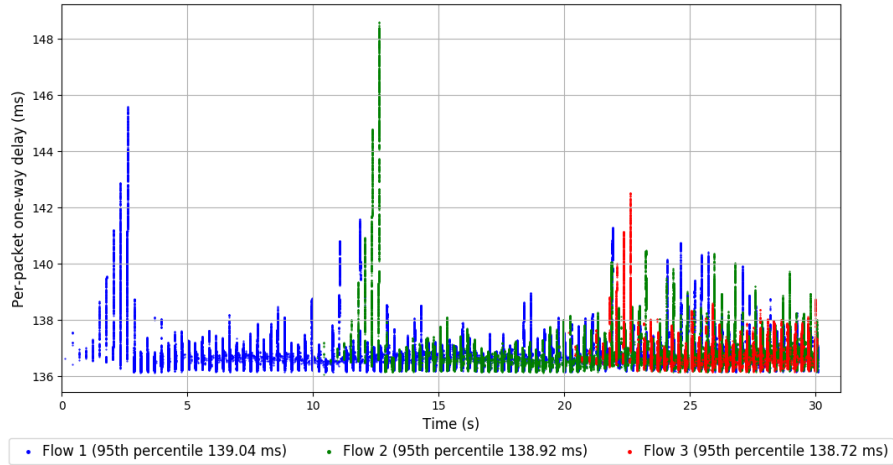
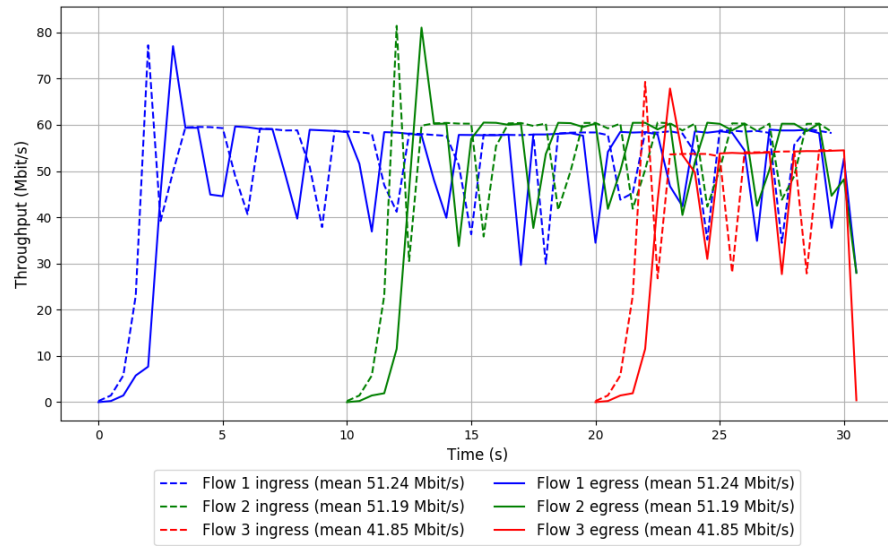
-- Flow 3:

Average throughput: 41.85 Mbit/s

95th percentile per-packet one-way delay: 138.717 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

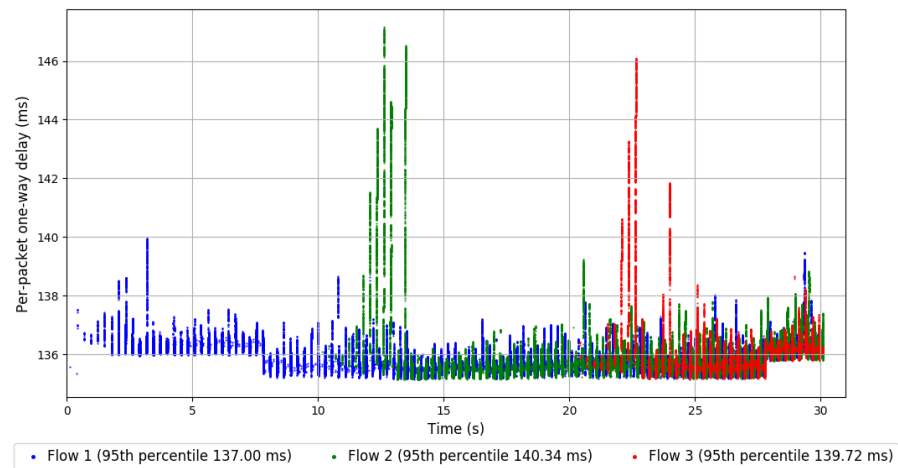
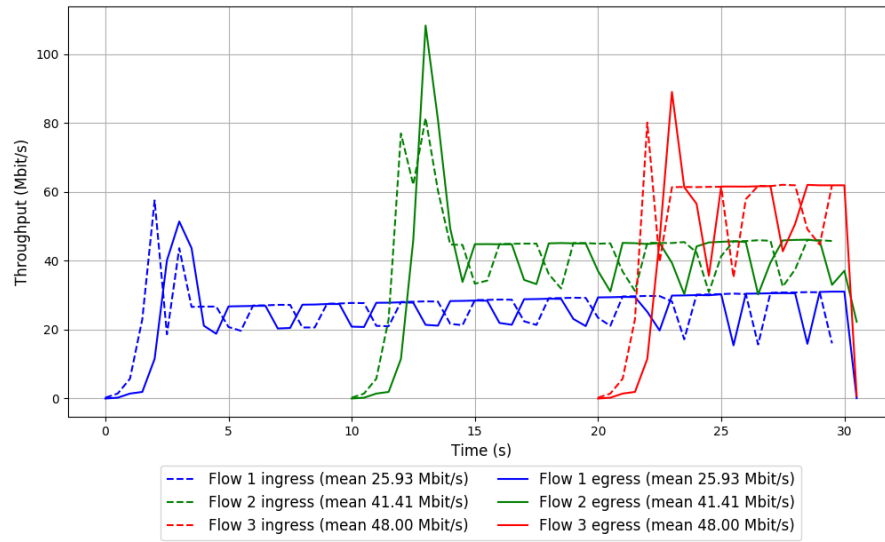


Run 9: Statistics of TCP Vegas

Start at: 2018-08-11 10:39:32
End at: 2018-08-11 10:40:02
Local clock offset: 0.181 ms
Remote clock offset: -0.645 ms

Below is generated by plot.py at 2018-08-11 14:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 138.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 136.995 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 140.336 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.00 Mbit/s
95th percentile per-packet one-way delay: 139.725 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-11 11:07:28

End at: 2018-08-11 11:07:58

Local clock offset: -0.007 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-08-11 14:12:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.98 Mbit/s

95th percentile per-packet one-way delay: 142.053 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.17 Mbit/s

95th percentile per-packet one-way delay: 147.195 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.03 Mbit/s

95th percentile per-packet one-way delay: 138.370 ms

Loss rate: 0.00%

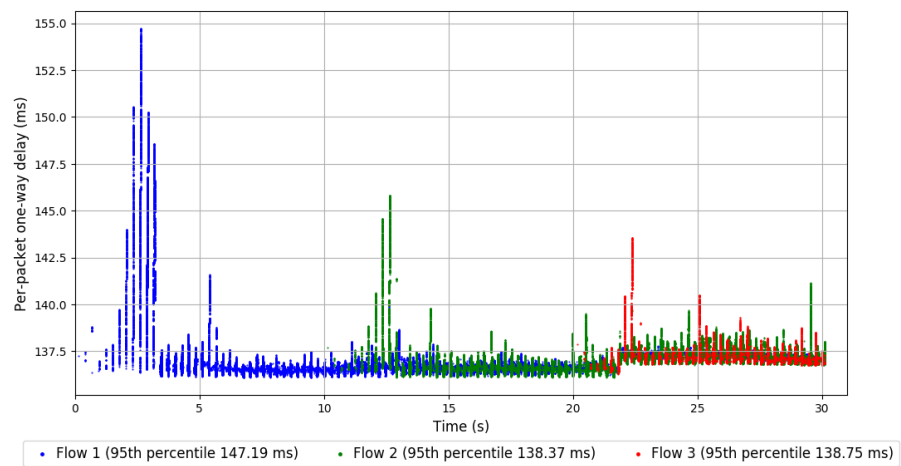
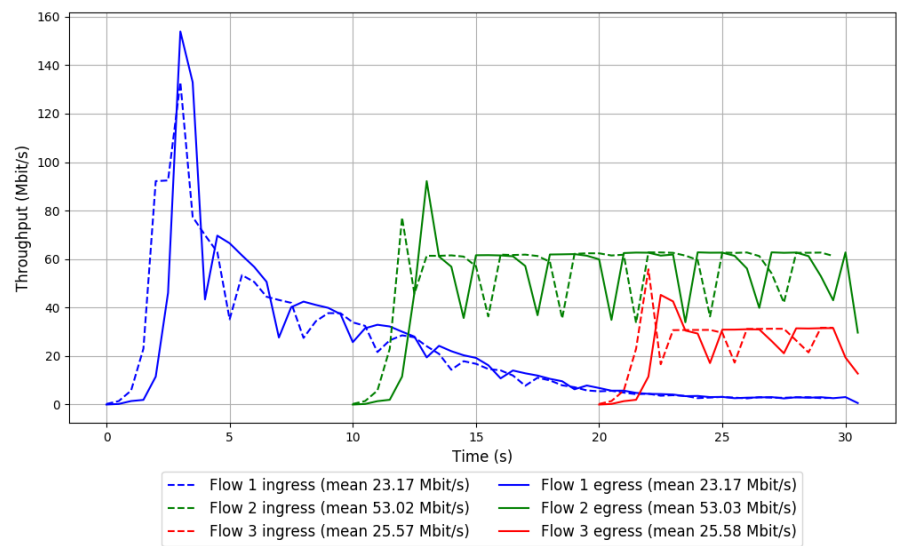
-- Flow 3:

Average throughput: 25.58 Mbit/s

95th percentile per-packet one-way delay: 138.745 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

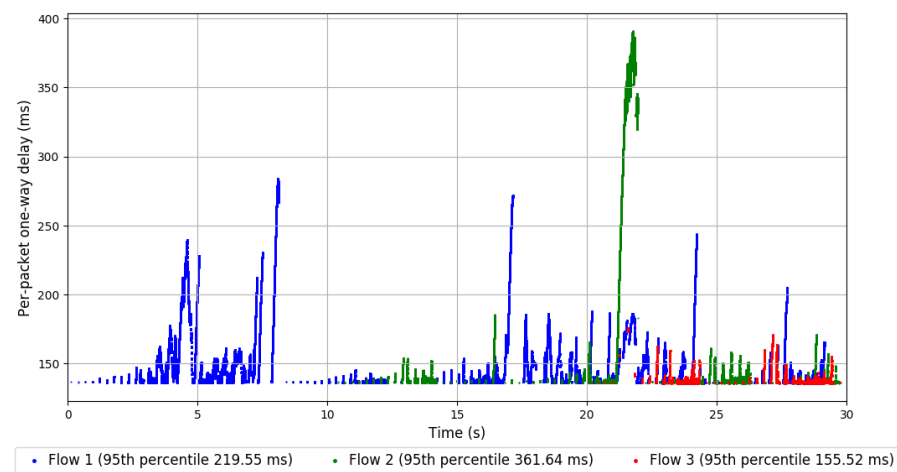
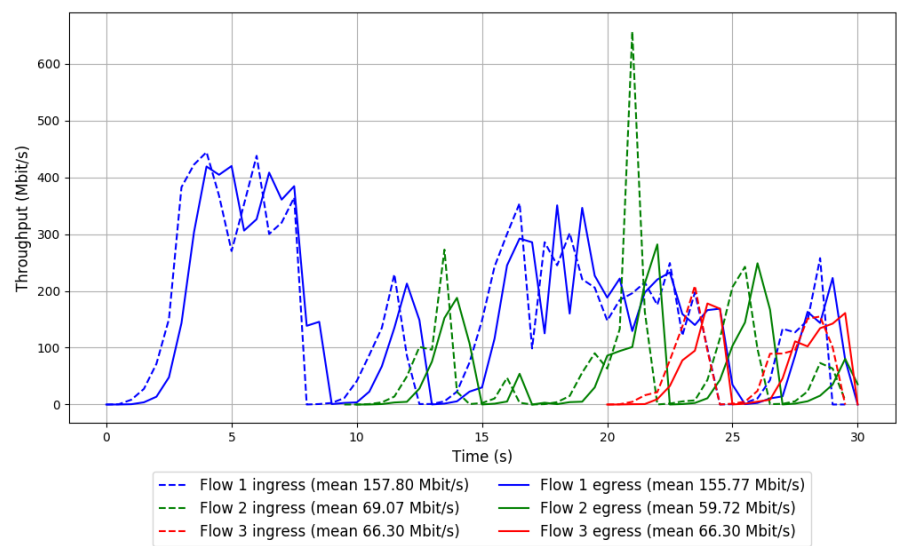


Run 1: Statistics of Verus

Start at: 2018-08-11 07:01:46
End at: 2018-08-11 07:02:16
Local clock offset: 0.006 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-11 14:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.45 Mbit/s
95th percentile per-packet one-way delay: 237.646 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 155.77 Mbit/s
95th percentile per-packet one-way delay: 219.551 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 361.640 ms
Loss rate: 13.54%
-- Flow 3:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 155.517 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

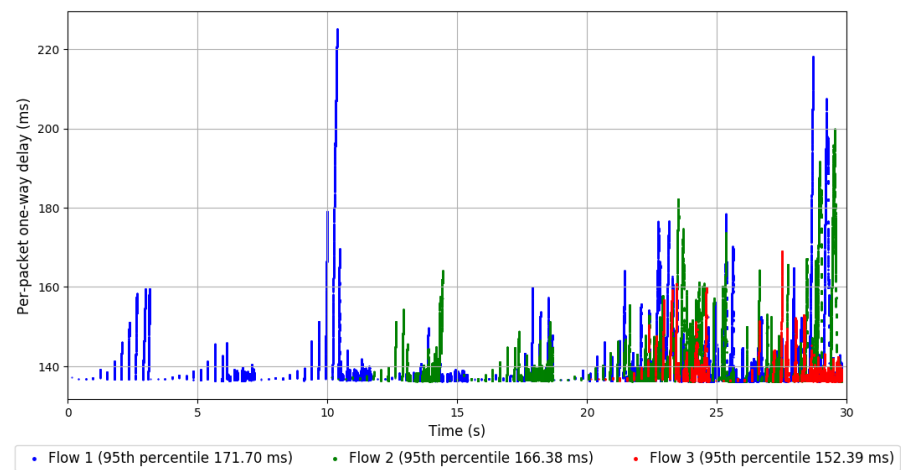
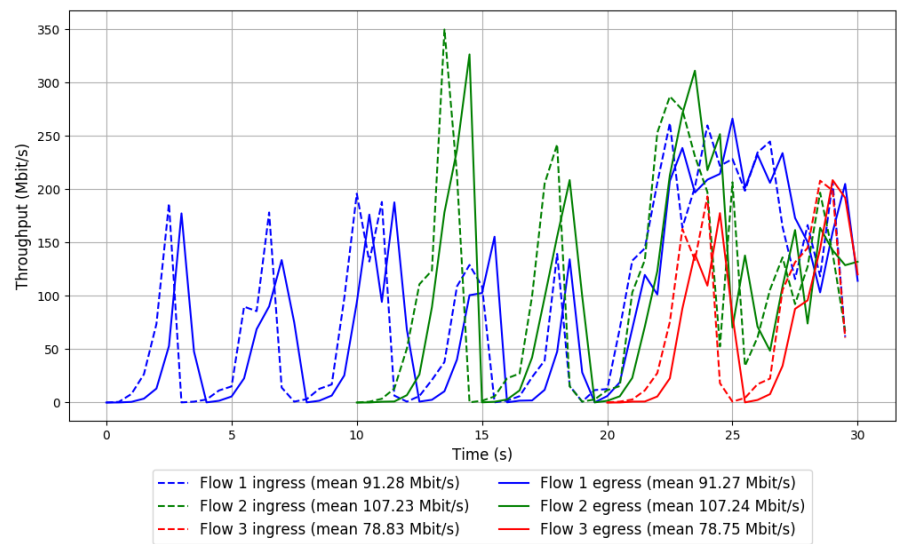


Run 2: Statistics of Verus

Start at: 2018-08-11 07:30:16
End at: 2018-08-11 07:30:46
Local clock offset: 0.008 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-08-11 14:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.94 Mbit/s
95th percentile per-packet one-way delay: 166.835 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 171.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.24 Mbit/s
95th percentile per-packet one-way delay: 166.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 78.75 Mbit/s
95th percentile per-packet one-way delay: 152.387 ms
Loss rate: 0.08%

Run 2: Report of Verus — Data Link

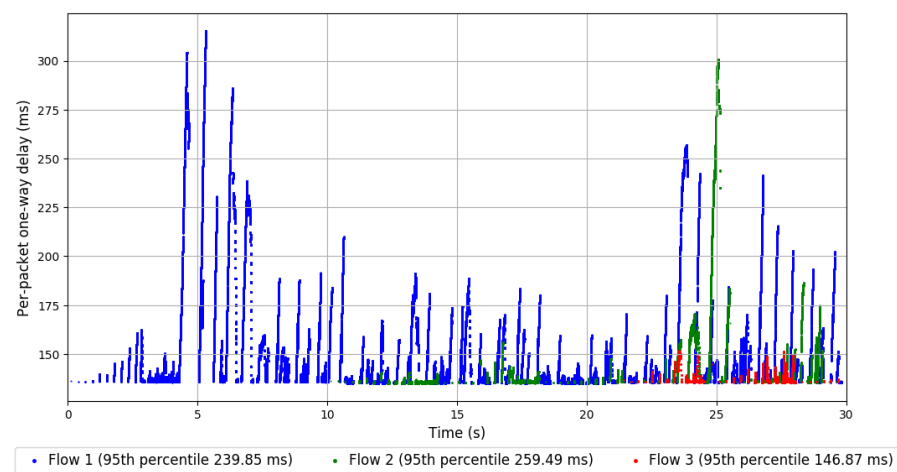
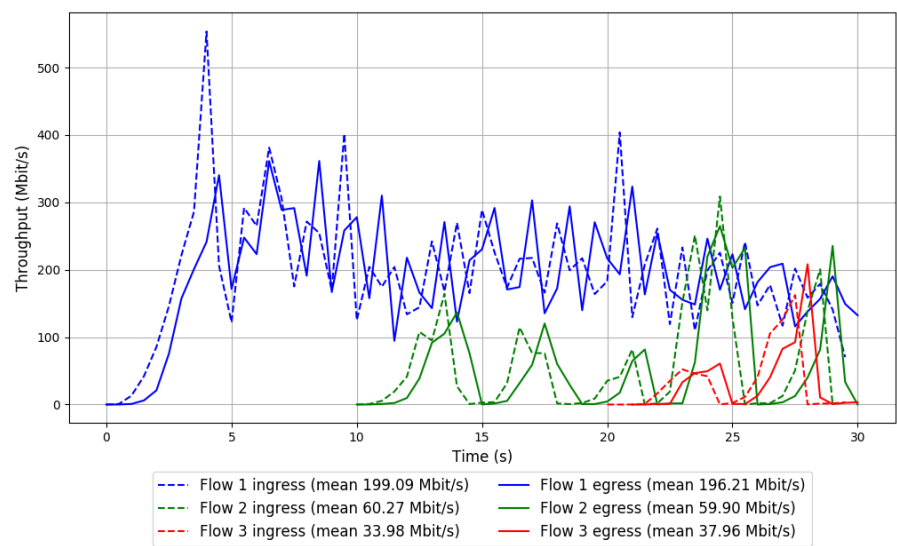


Run 3: Statistics of Verus

Start at: 2018-08-11 07:58:38
End at: 2018-08-11 07:59:08
Local clock offset: 0.27 ms
Remote clock offset: -0.572 ms

Below is generated by plot.py at 2018-08-11 14:13:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.40 Mbit/s
95th percentile per-packet one-way delay: 240.149 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 196.21 Mbit/s
95th percentile per-packet one-way delay: 239.847 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 259.492 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 146.869 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

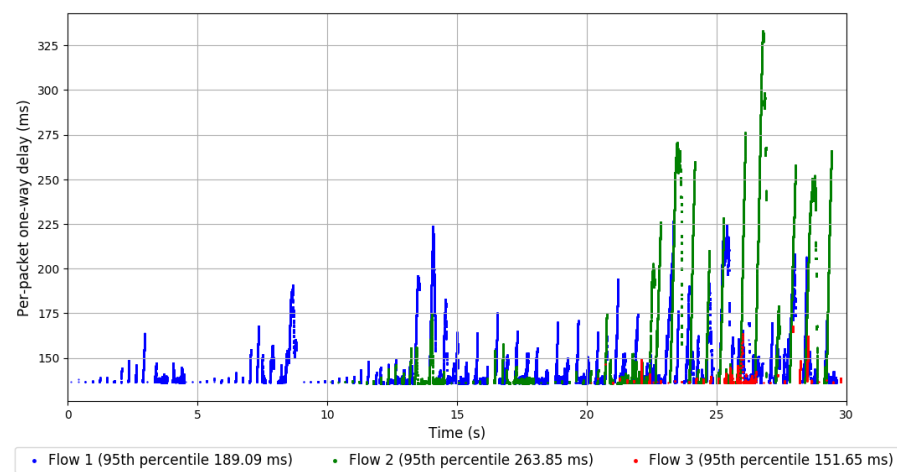
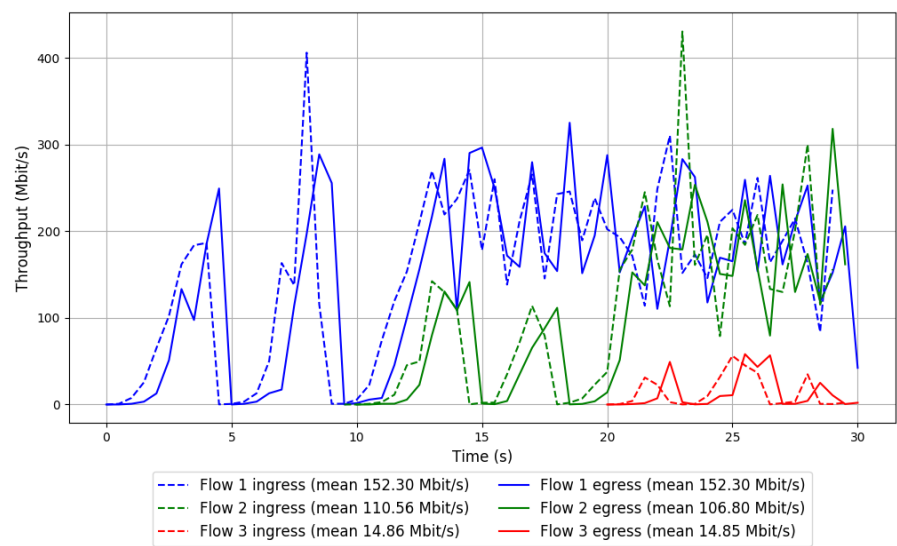


Run 4: Statistics of Verus

Start at: 2018-08-11 08:26:58
End at: 2018-08-11 08:27:28
Local clock offset: 0.081 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-08-11 14:13:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.85 Mbit/s
95th percentile per-packet one-way delay: 238.032 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 152.30 Mbit/s
95th percentile per-packet one-way delay: 189.086 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 106.80 Mbit/s
95th percentile per-packet one-way delay: 263.852 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 151.648 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

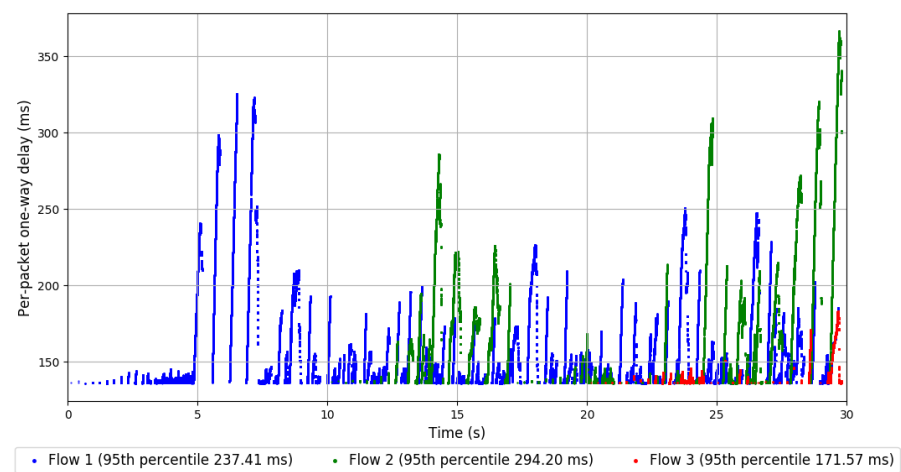
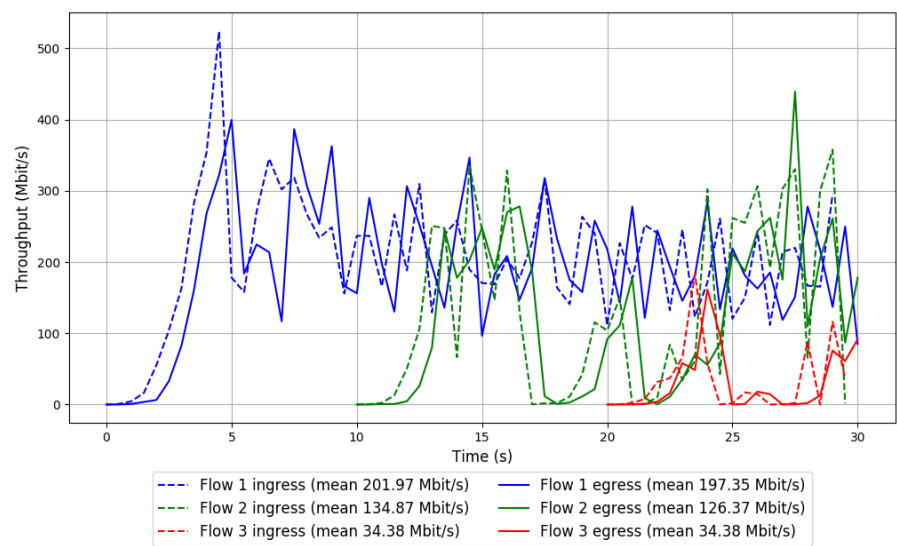


Run 5: Statistics of Verus

Start at: 2018-08-11 08:55:17
End at: 2018-08-11 08:55:47
Local clock offset: 0.071 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-08-11 14:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.31 Mbit/s
95th percentile per-packet one-way delay: 263.054 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 197.35 Mbit/s
95th percentile per-packet one-way delay: 237.411 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 126.37 Mbit/s
95th percentile per-packet one-way delay: 294.196 ms
Loss rate: 5.52%
-- Flow 3:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 171.570 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

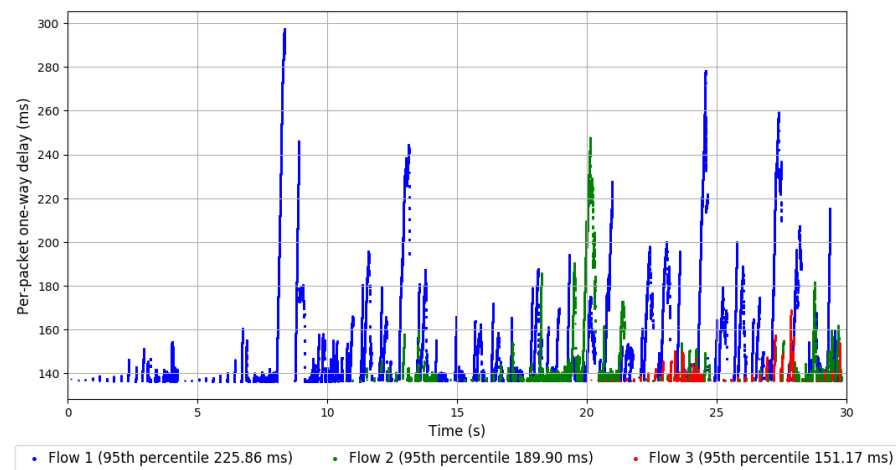
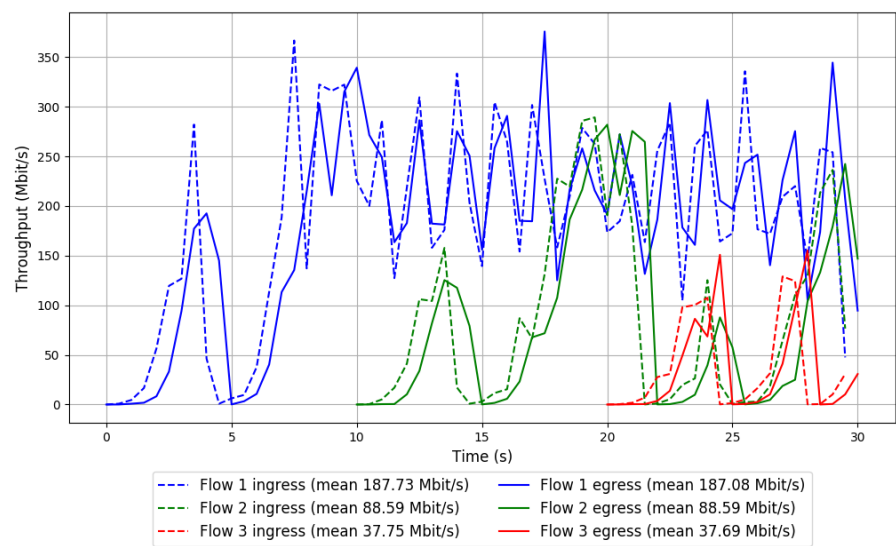


Run 6: Statistics of Verus

Start at: 2018-08-11 09:23:18
End at: 2018-08-11 09:23:48
Local clock offset: -0.068 ms
Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-08-11 14:16:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.35 Mbit/s
95th percentile per-packet one-way delay: 217.789 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 187.08 Mbit/s
95th percentile per-packet one-way delay: 225.856 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 189.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 151.169 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-11 09:51:32

End at: 2018-08-11 09:52:02

Local clock offset: 0.167 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-08-11 14:16:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.28 Mbit/s

95th percentile per-packet one-way delay: 209.437 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 54.91 Mbit/s

95th percentile per-packet one-way delay: 160.220 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 194.11 Mbit/s

95th percentile per-packet one-way delay: 216.425 ms

Loss rate: 0.11%

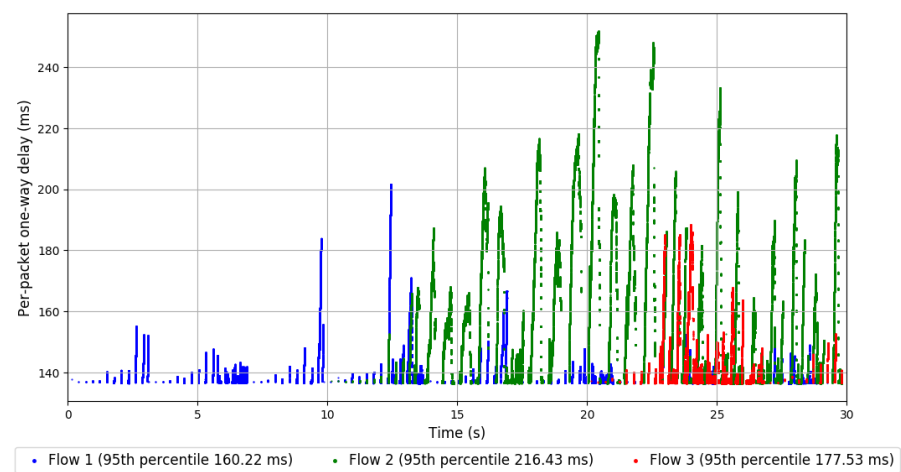
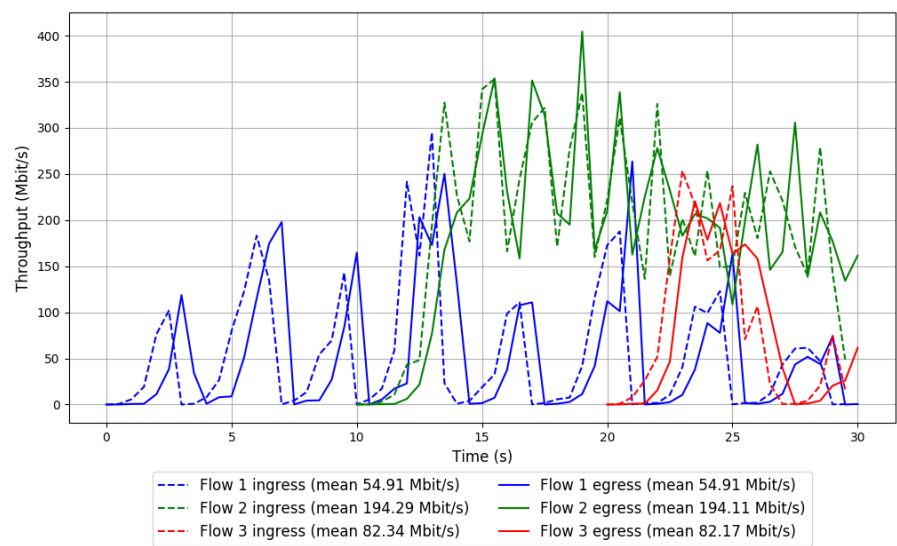
-- Flow 3:

Average throughput: 82.17 Mbit/s

95th percentile per-packet one-way delay: 177.528 ms

Loss rate: 0.21%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-11 10:19:25

End at: 2018-08-11 10:19:55

Local clock offset: 0.064 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-08-11 14:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.19 Mbit/s

95th percentile per-packet one-way delay: 175.766 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 163.12 Mbit/s

95th percentile per-packet one-way delay: 176.023 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 196.046 ms

Loss rate: 0.00%

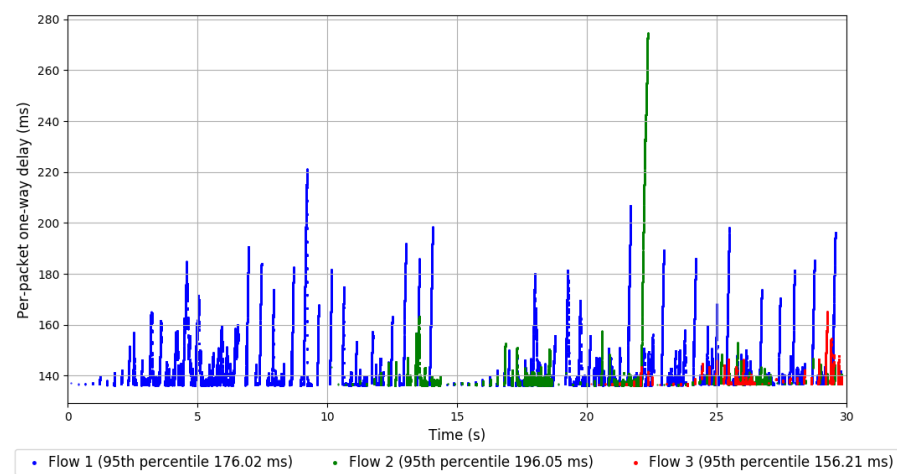
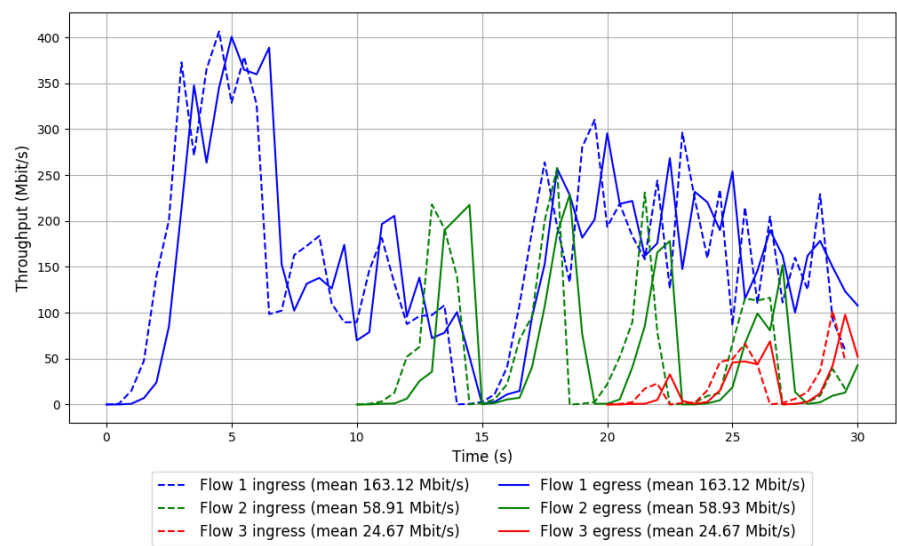
-- Flow 3:

Average throughput: 24.67 Mbit/s

95th percentile per-packet one-way delay: 156.205 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-11 10:47:01

End at: 2018-08-11 10:47:31

Local clock offset: 0.284 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-08-11 14:17:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.39 Mbit/s

95th percentile per-packet one-way delay: 182.863 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 189.79 Mbit/s

95th percentile per-packet one-way delay: 179.371 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.39 Mbit/s

95th percentile per-packet one-way delay: 218.739 ms

Loss rate: 0.00%

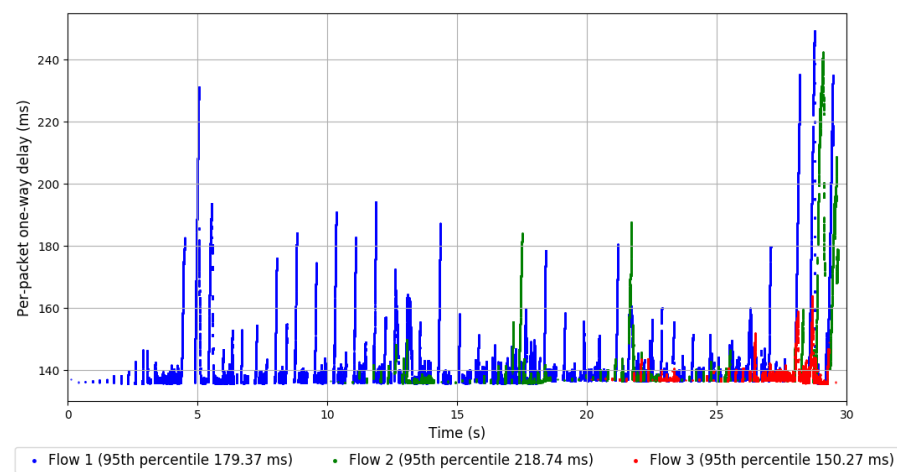
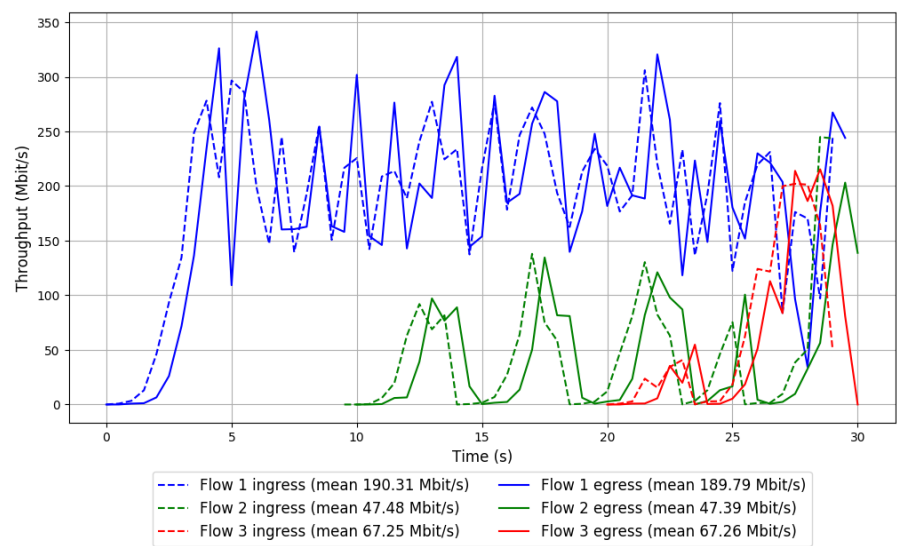
-- Flow 3:

Average throughput: 67.26 Mbit/s

95th percentile per-packet one-way delay: 150.266 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link

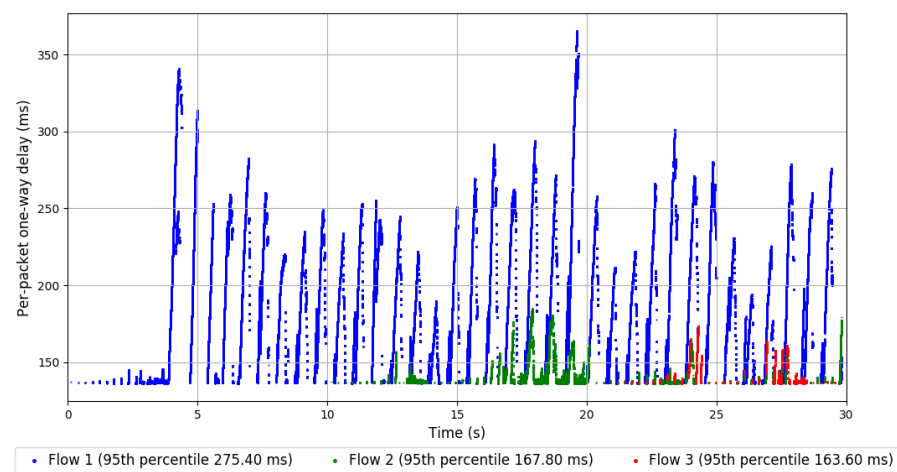
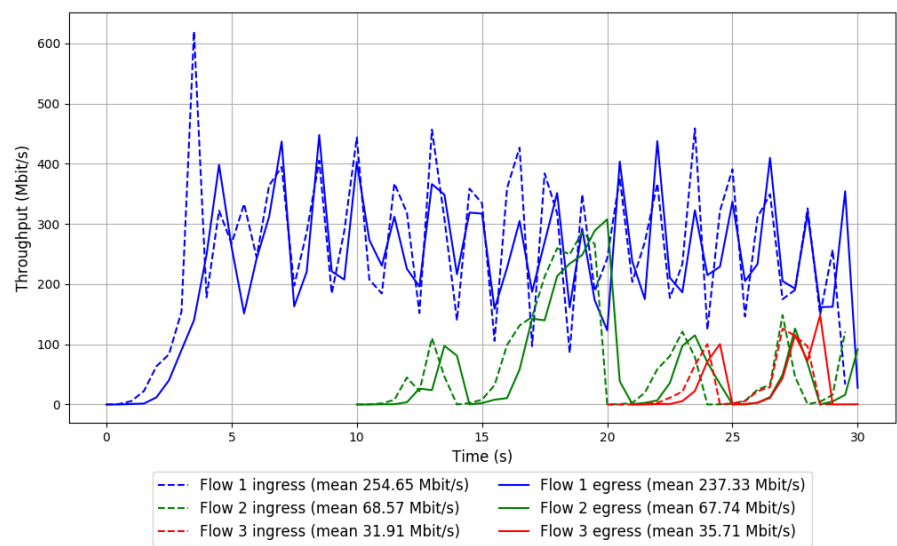


Run 10: Statistics of Verus

Start at: 2018-08-11 11:14:52
End at: 2018-08-11 11:15:22
Local clock offset: -0.038 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-08-11 14:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.27 Mbit/s
95th percentile per-packet one-way delay: 269.920 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 237.33 Mbit/s
95th percentile per-packet one-way delay: 275.399 ms
Loss rate: 6.80%
-- Flow 2:
Average throughput: 67.74 Mbit/s
95th percentile per-packet one-way delay: 167.797 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 163.599 ms
Loss rate: 0.01%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-11 06:49:59

End at: 2018-08-11 06:50:29

Local clock offset: 0.158 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-08-11 14:22:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 458.88 Mbit/s

95th percentile per-packet one-way delay: 162.209 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 292.30 Mbit/s

95th percentile per-packet one-way delay: 182.147 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 188.12 Mbit/s

95th percentile per-packet one-way delay: 140.235 ms

Loss rate: 0.00%

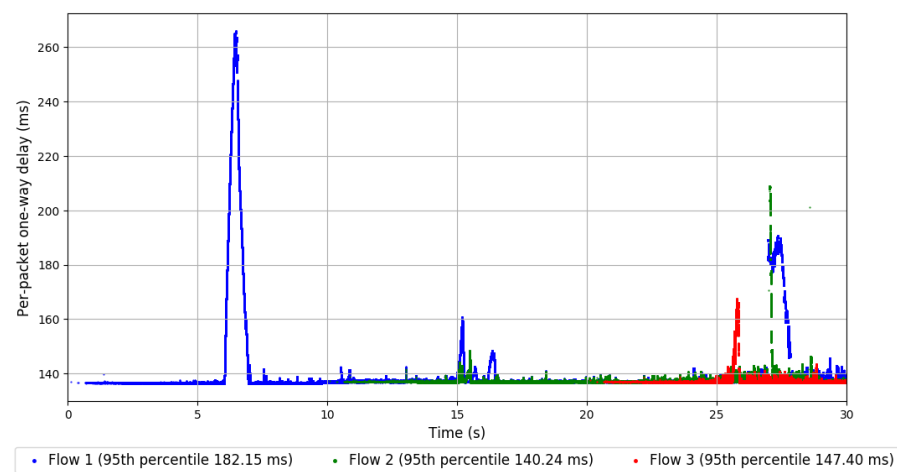
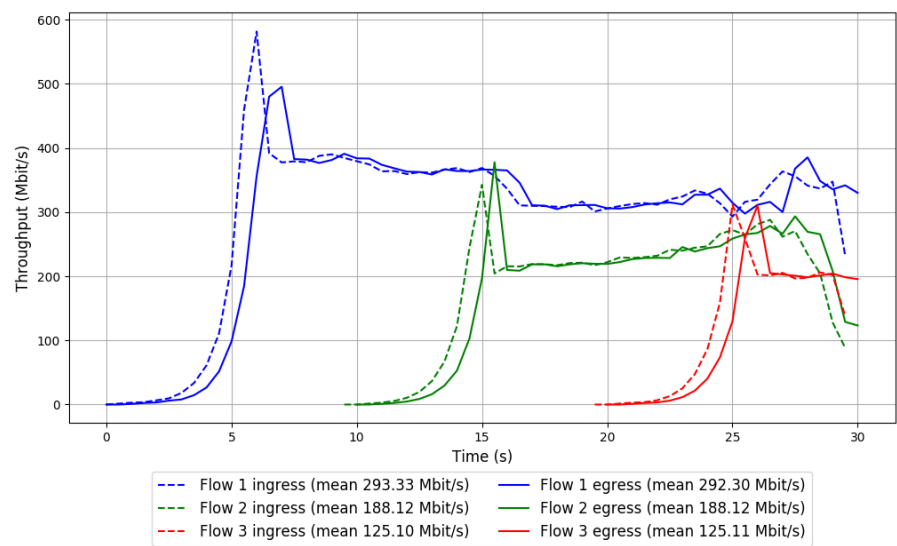
-- Flow 3:

Average throughput: 125.11 Mbit/s

95th percentile per-packet one-way delay: 147.401 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

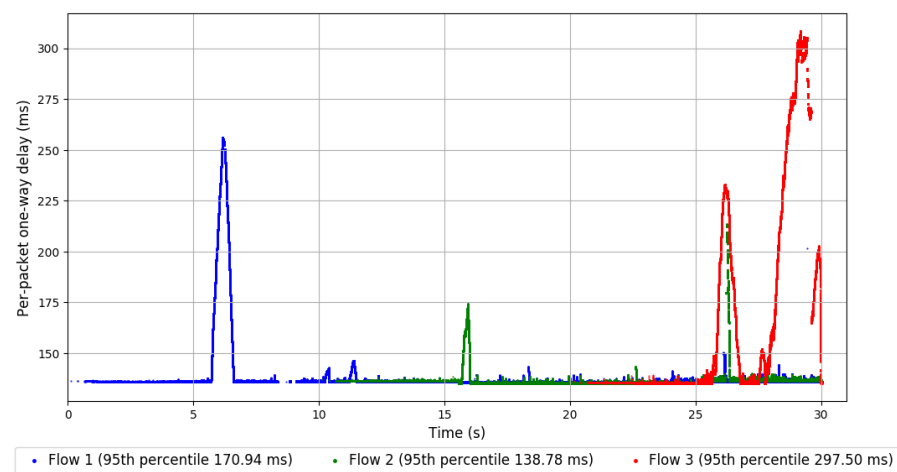
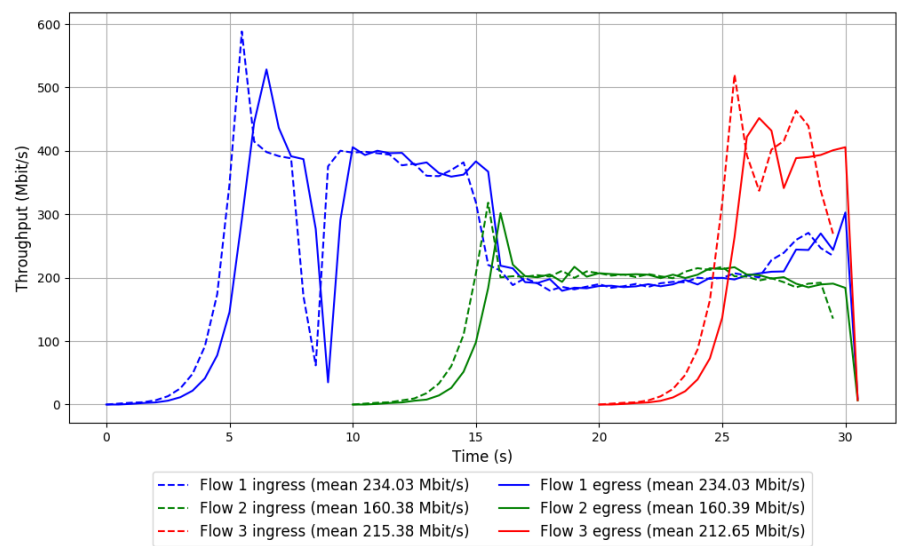


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-11 07:18:23
End at: 2018-08-11 07:18:53
Local clock offset: -0.004 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-11 14:22:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.80 Mbit/s
95th percentile per-packet one-way delay: 230.949 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 234.03 Mbit/s
95th percentile per-packet one-way delay: 170.939 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.39 Mbit/s
95th percentile per-packet one-way delay: 138.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 212.65 Mbit/s
95th percentile per-packet one-way delay: 297.499 ms
Loss rate: 1.28%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-11 07:46:36

End at: 2018-08-11 07:47:06

Local clock offset: -0.128 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-08-11 14:25:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 487.66 Mbit/s

95th percentile per-packet one-way delay: 170.815 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 308.71 Mbit/s

95th percentile per-packet one-way delay: 160.307 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 212.71 Mbit/s

95th percentile per-packet one-way delay: 223.923 ms

Loss rate: 0.00%

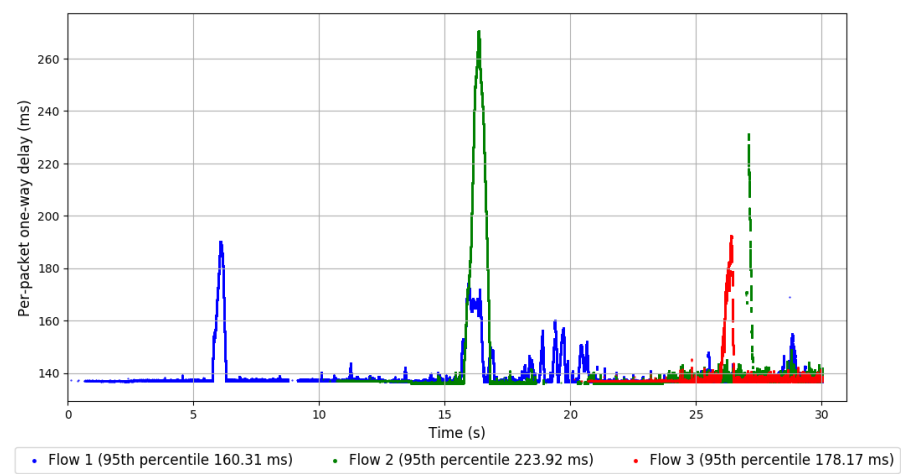
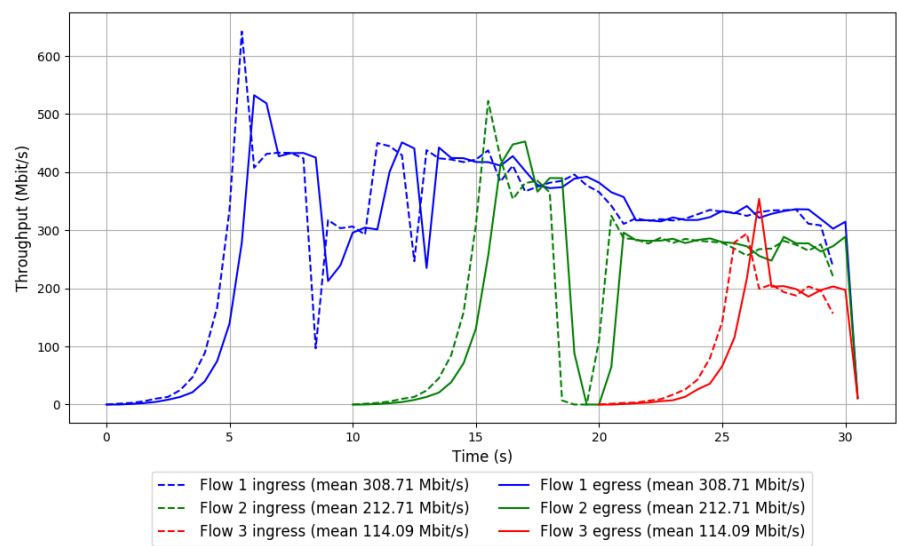
-- Flow 3:

Average throughput: 114.09 Mbit/s

95th percentile per-packet one-way delay: 178.169 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

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

End at: 2018-08-11 08:15:41

Local clock offset: -0.165 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-08-11 14:25:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 417.91 Mbit/s

95th percentile per-packet one-way delay: 144.308 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 274.58 Mbit/s

95th percentile per-packet one-way delay: 168.697 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 180.68 Mbit/s

95th percentile per-packet one-way delay: 137.082 ms

Loss rate: 0.00%

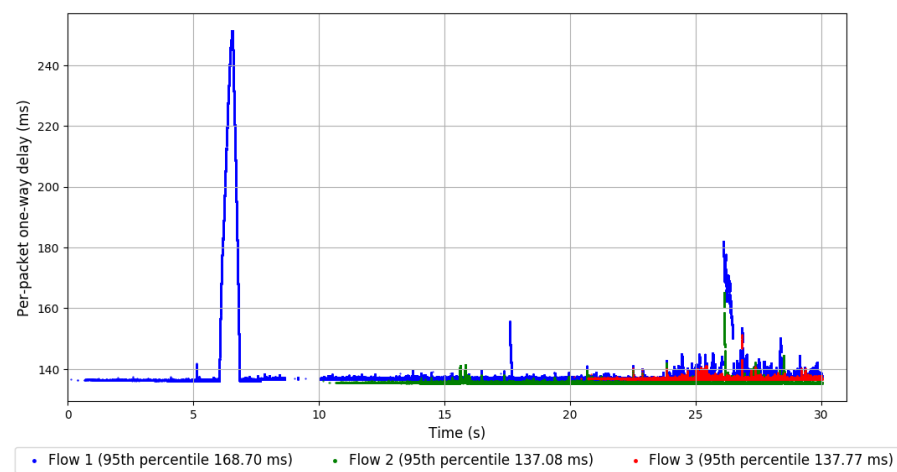
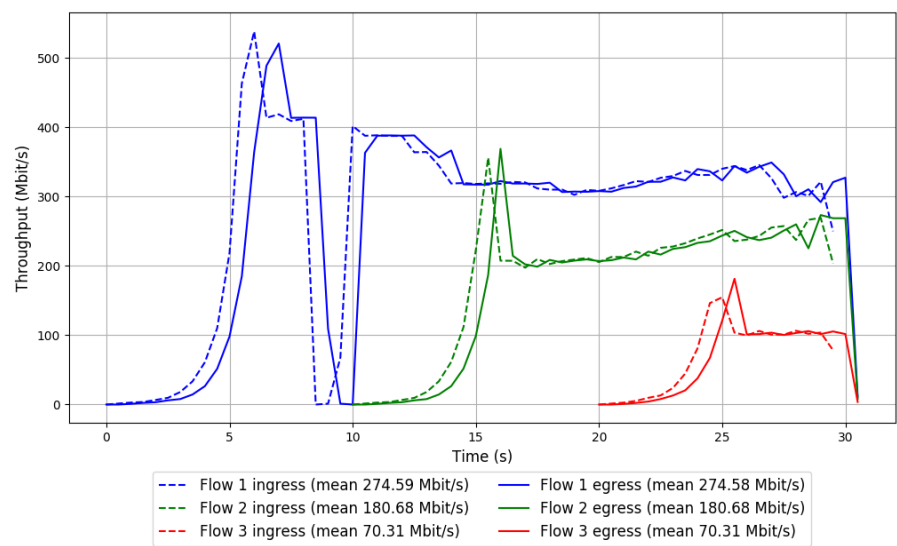
-- Flow 3:

Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 137.773 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

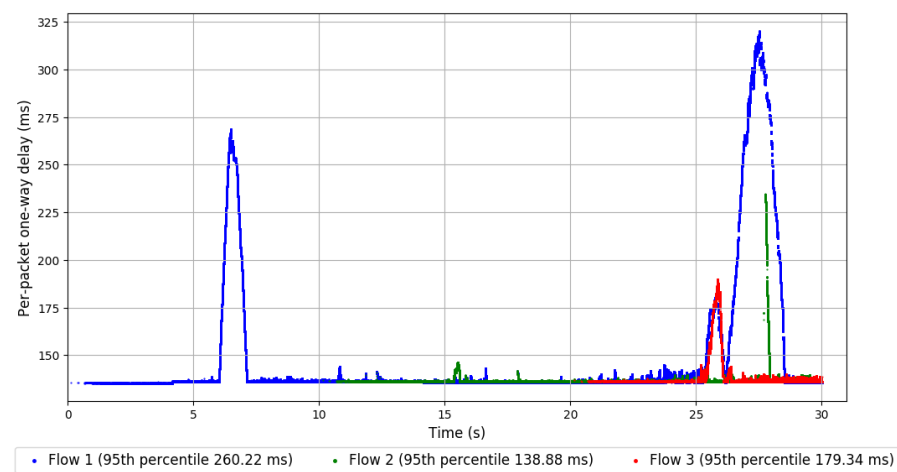
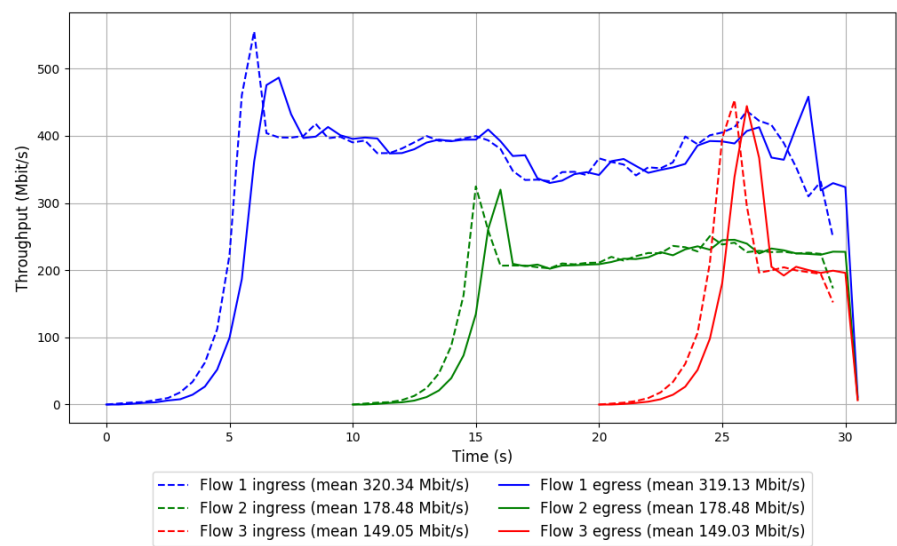


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-11 08:43:14
End at: 2018-08-11 08:43:44
Local clock offset: 0.156 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-08-11 14:25:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 486.87 Mbit/s
95th percentile per-packet one-way delay: 235.155 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 319.13 Mbit/s
95th percentile per-packet one-way delay: 260.223 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 178.48 Mbit/s
95th percentile per-packet one-way delay: 138.876 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 149.03 Mbit/s
95th percentile per-packet one-way delay: 179.341 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-11 09:11:21

End at: 2018-08-11 09:11:51

Local clock offset: -0.055 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-08-11 14:25:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.87 Mbit/s

95th percentile per-packet one-way delay: 198.791 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 243.79 Mbit/s

95th percentile per-packet one-way delay: 190.372 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 181.07 Mbit/s

95th percentile per-packet one-way delay: 137.944 ms

Loss rate: 0.00%

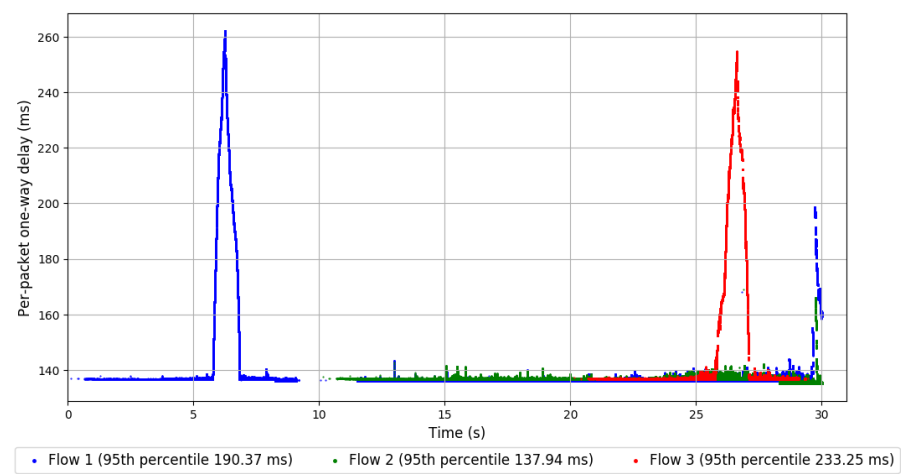
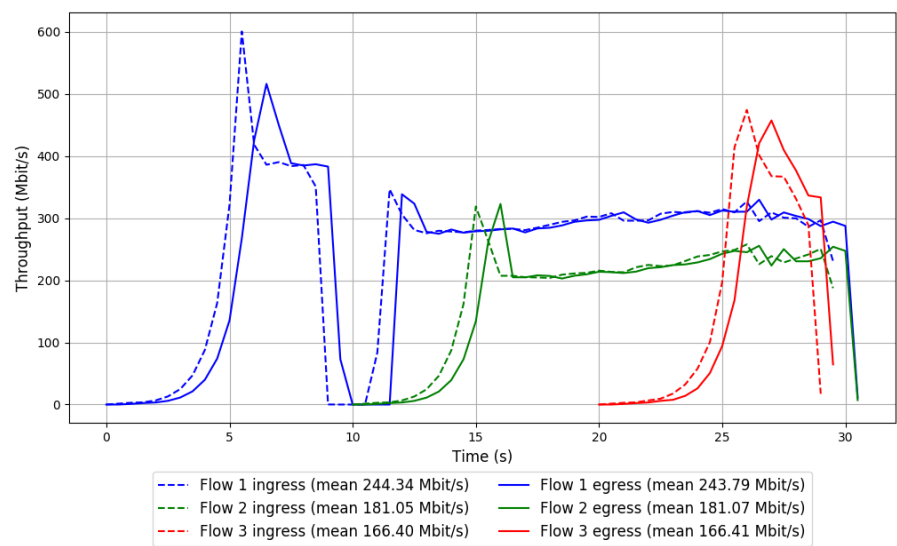
-- Flow 3:

Average throughput: 166.41 Mbit/s

95th percentile per-packet one-way delay: 233.253 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

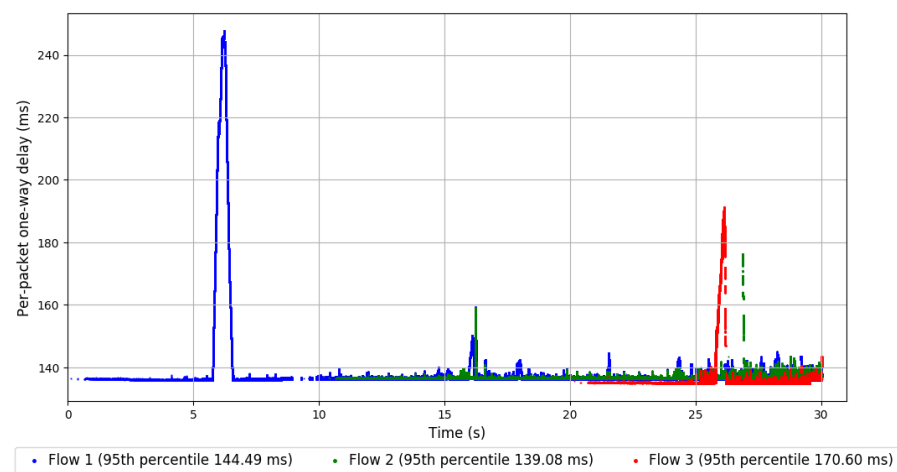
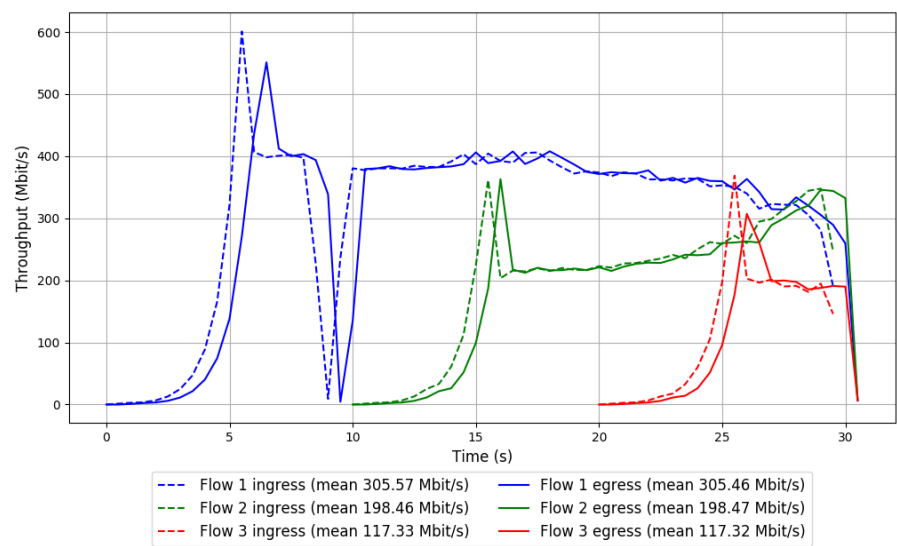


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-11 09:39:30
End at: 2018-08-11 09:40:00
Local clock offset: 0.004 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-11 14:26:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 476.13 Mbit/s
95th percentile per-packet one-way delay: 142.126 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 305.46 Mbit/s
95th percentile per-packet one-way delay: 144.488 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 198.47 Mbit/s
95th percentile per-packet one-way delay: 139.078 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.32 Mbit/s
95th percentile per-packet one-way delay: 170.599 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

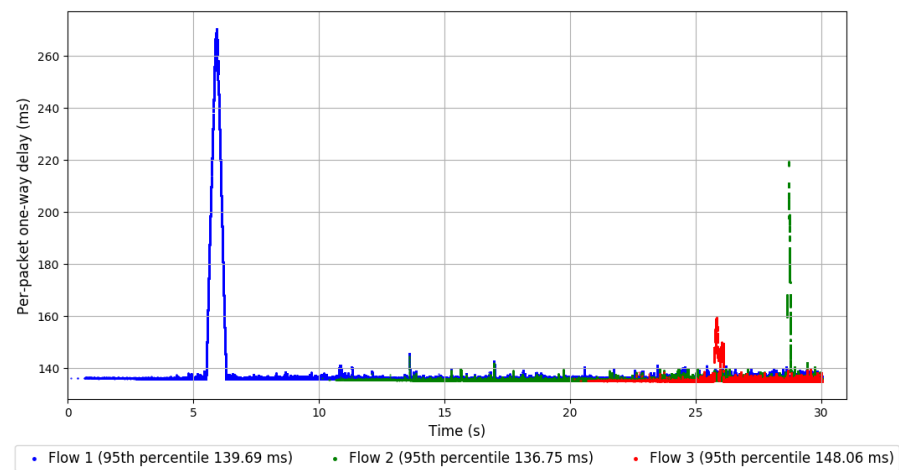
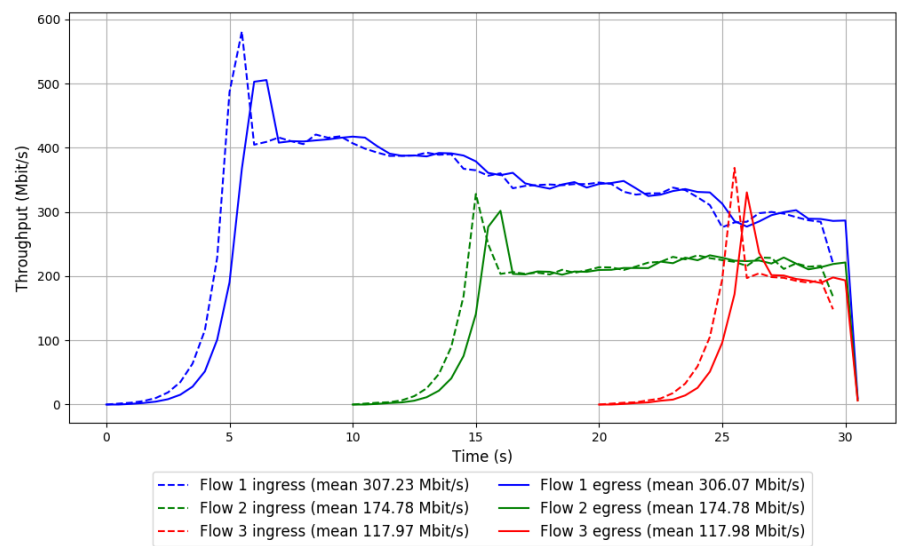


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-11 10:07:31
End at: 2018-08-11 10:08:01
Local clock offset: 0.068 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-08-11 14:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 461.22 Mbit/s
95th percentile per-packet one-way delay: 138.822 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 306.07 Mbit/s
95th percentile per-packet one-way delay: 139.687 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 174.78 Mbit/s
95th percentile per-packet one-way delay: 136.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.98 Mbit/s
95th percentile per-packet one-way delay: 148.064 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

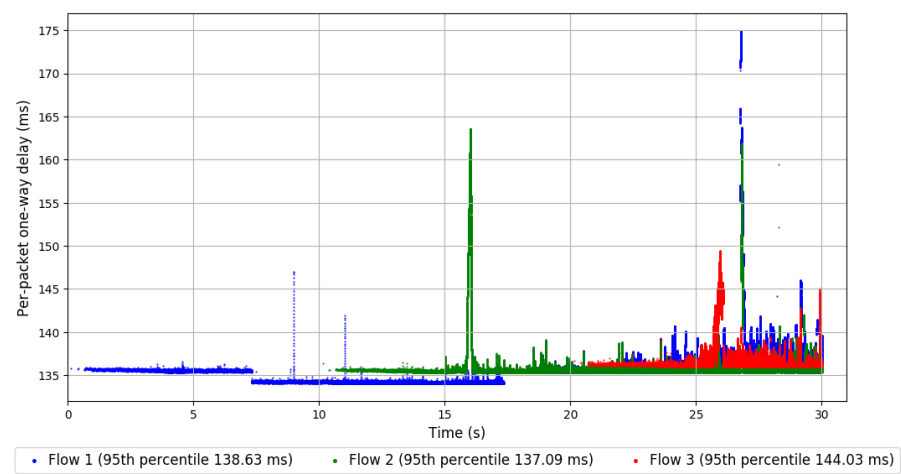
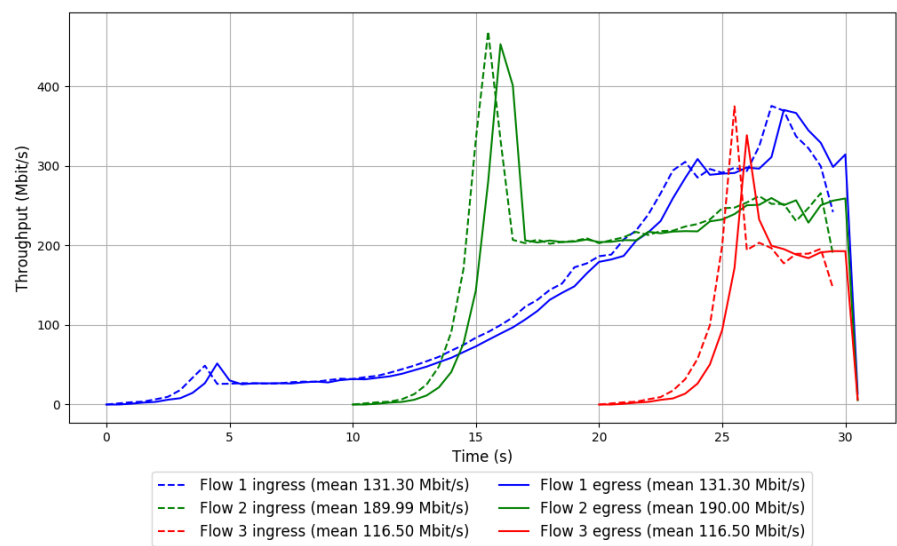


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-11 10:35:41
End at: 2018-08-11 10:36:11
Local clock offset: 0.204 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2018-08-11 14:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.05 Mbit/s
95th percentile per-packet one-way delay: 138.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.30 Mbit/s
95th percentile per-packet one-way delay: 138.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 190.00 Mbit/s
95th percentile per-packet one-way delay: 137.092 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.50 Mbit/s
95th percentile per-packet one-way delay: 144.034 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

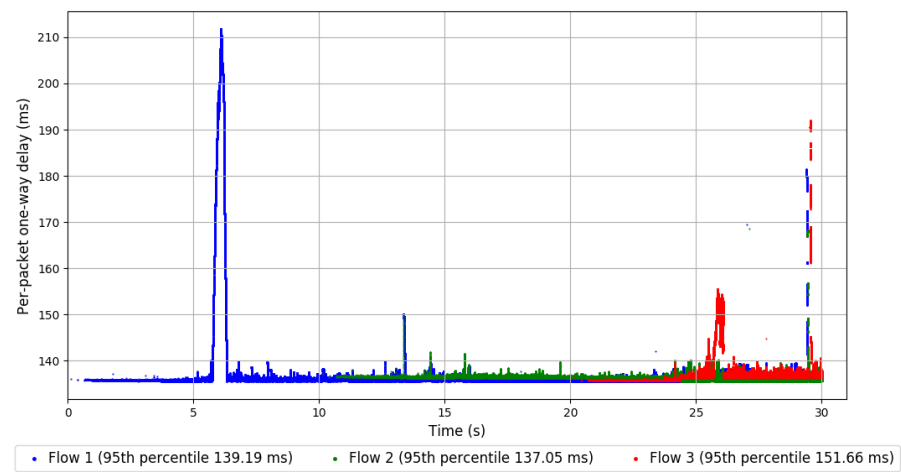
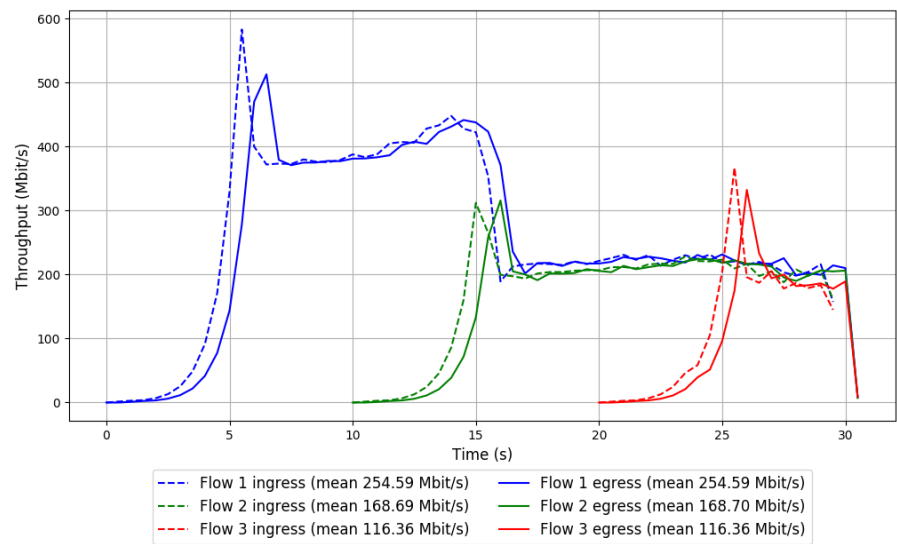


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-11 11:03:25
End at: 2018-08-11 11:03:55
Local clock offset: 0.155 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-08-11 14:26:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.09 Mbit/s
95th percentile per-packet one-way delay: 138.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 254.59 Mbit/s
95th percentile per-packet one-way delay: 139.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.70 Mbit/s
95th percentile per-packet one-way delay: 137.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.36 Mbit/s
95th percentile per-packet one-way delay: 151.663 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

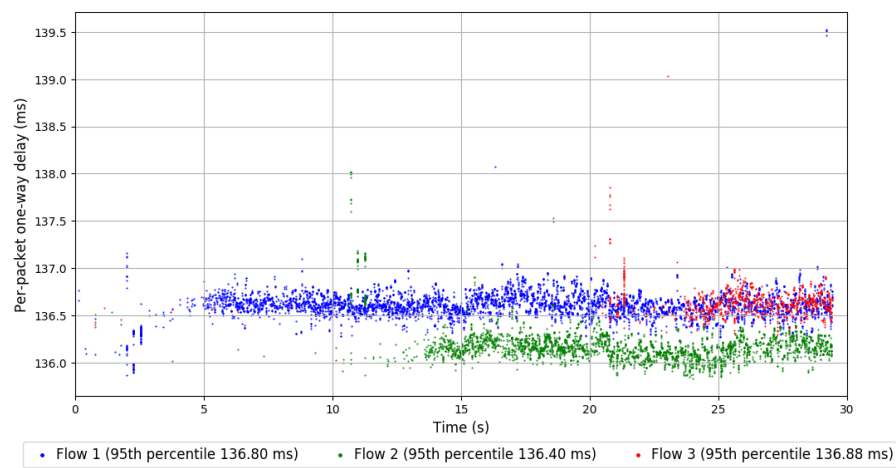
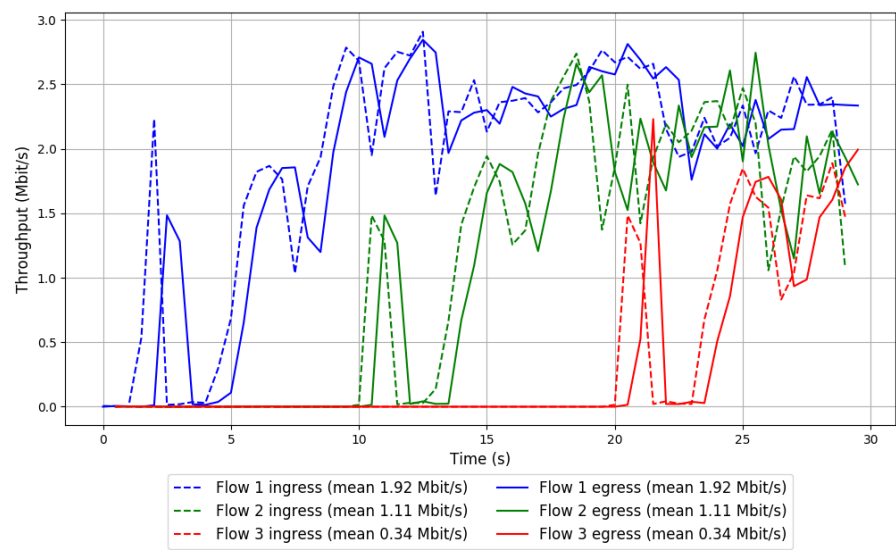


Run 1: Statistics of WebRTC media

Start at: 2018-08-11 06:42:05
End at: 2018-08-11 06:42:35
Local clock offset: 0.042 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-11 14:26:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 136.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 136.801 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 136.401 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.876 ms
Loss rate: 0.01%

Run 1: Report of WebRTC media — Data Link

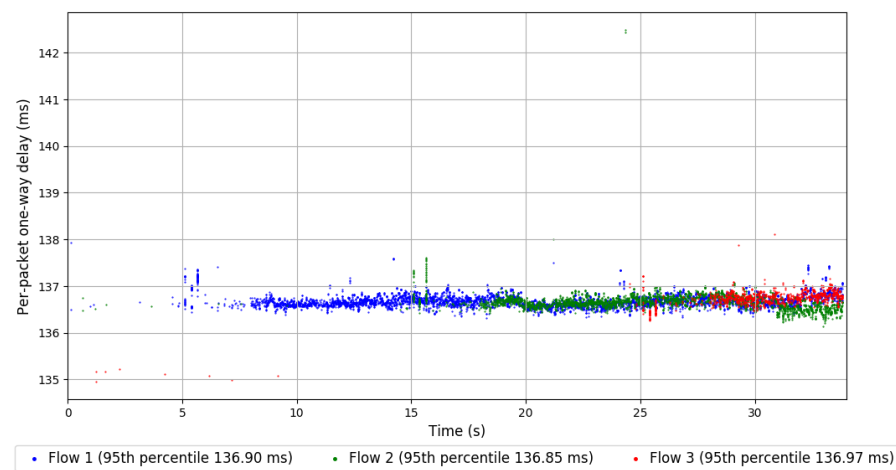
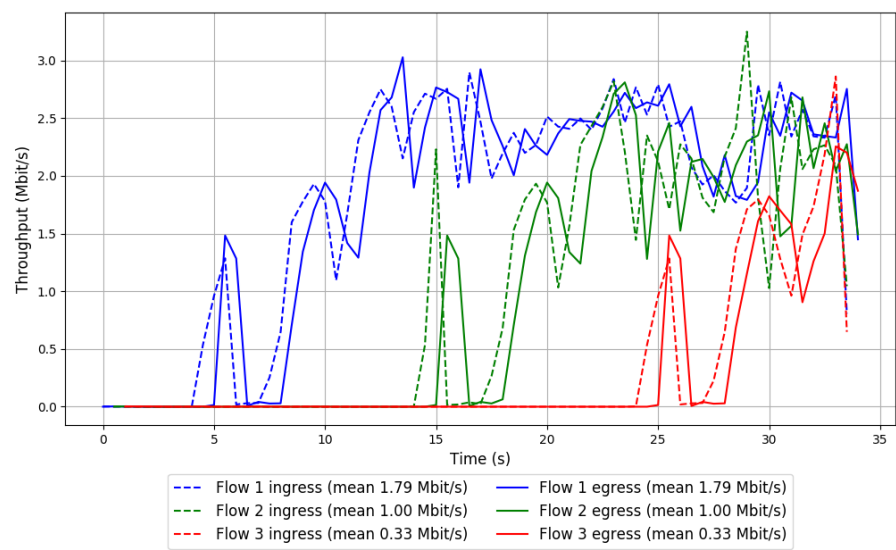


Run 2: Statistics of WebRTC media

Start at: 2018-08-11 07:10:21
End at: 2018-08-11 07:10:51
Local clock offset: 0.029 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-11 14:26:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 136.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 136.902 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 136.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.971 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-11 07:38:43

End at: 2018-08-11 07:39:13

Local clock offset: 0.027 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-08-11 14:26:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.97 Mbit/s

95th percentile per-packet one-way delay: 137.303 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 137.334 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.97 Mbit/s

95th percentile per-packet one-way delay: 137.240 ms

Loss rate: 0.12%

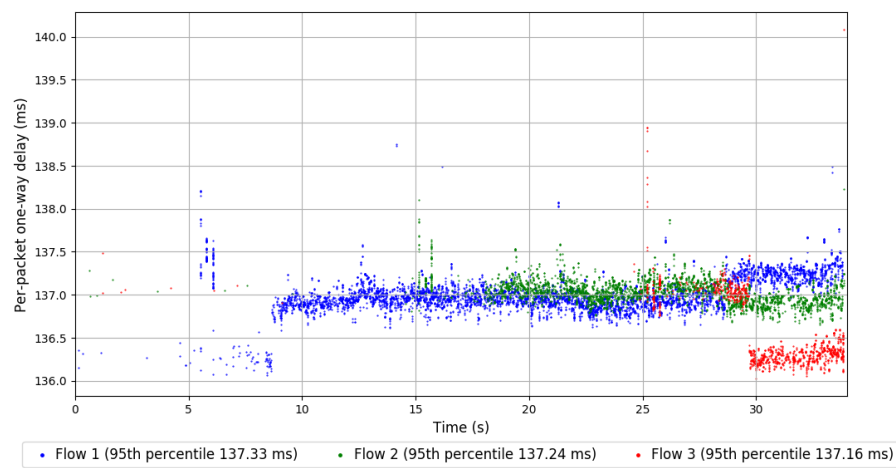
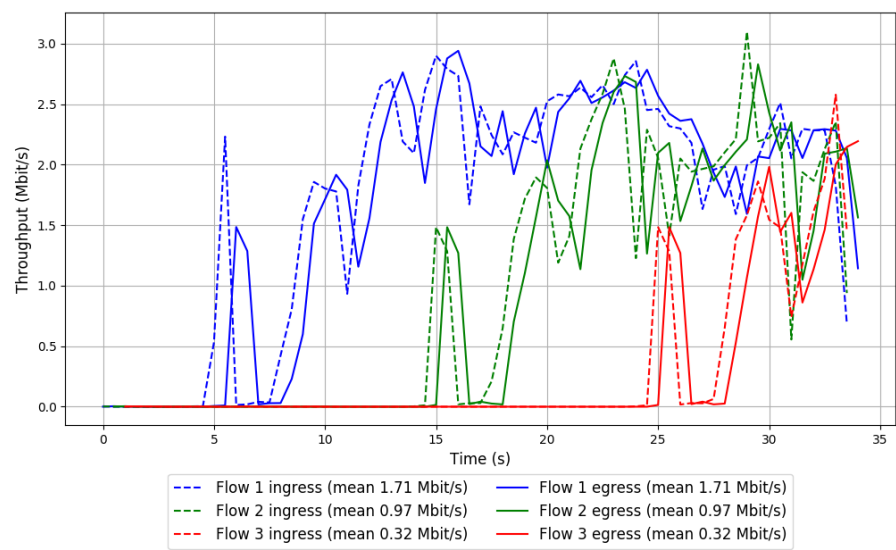
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 137.156 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-11 08:07:17

End at: 2018-08-11 08:07:47

Local clock offset: -0.055 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-08-11 14:26:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 137.144 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 136.283 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 136.868 ms

Loss rate: 0.00%

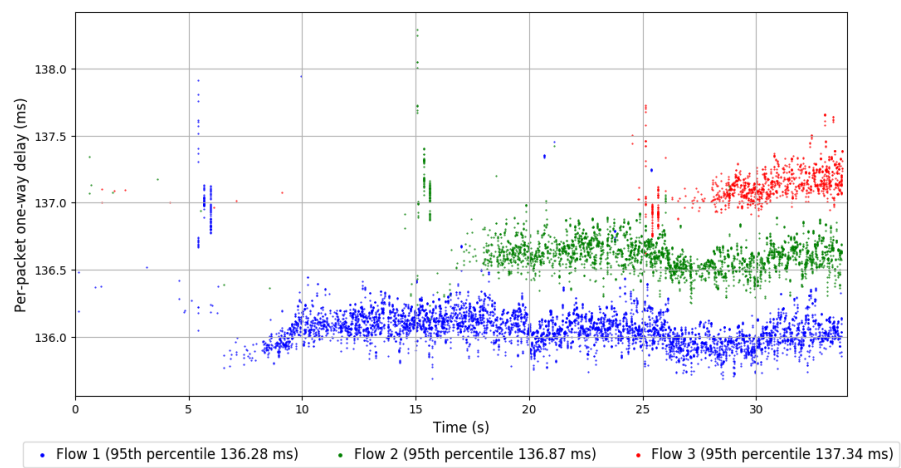
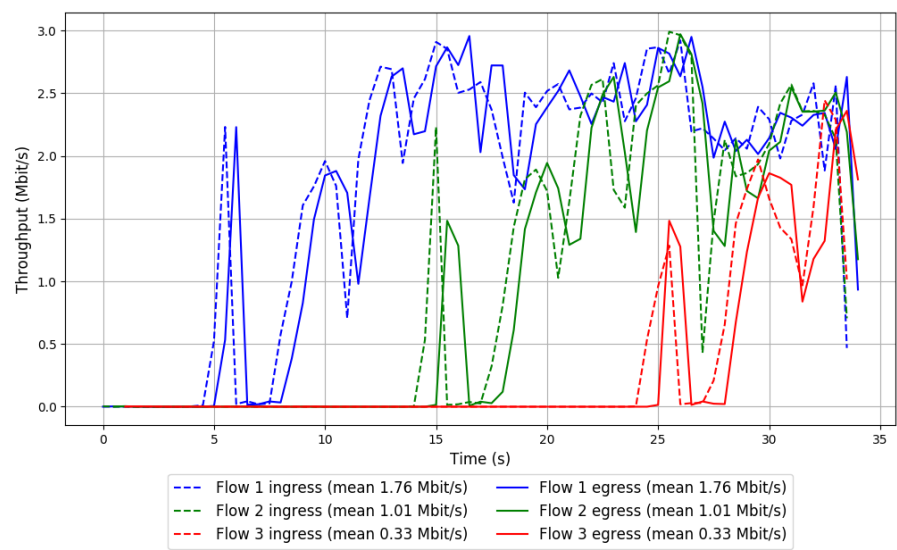
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 137.342 ms

Loss rate: 0.01%

Run 4: Report of WebRTC media — Data Link

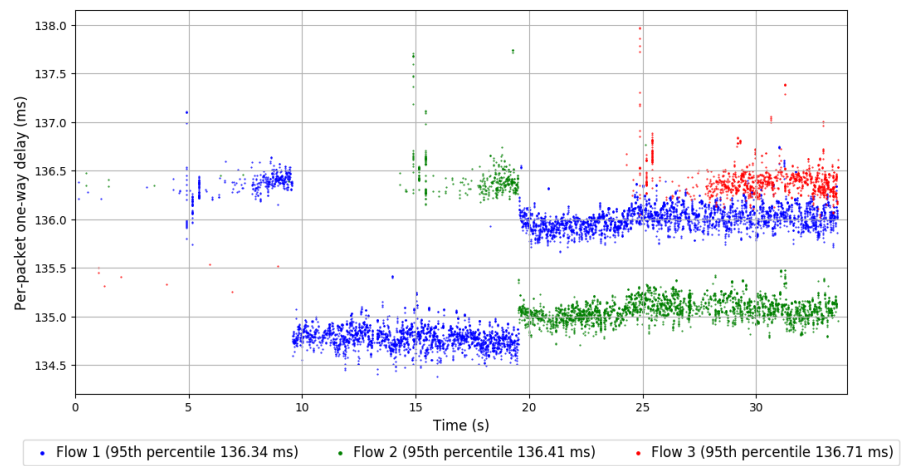
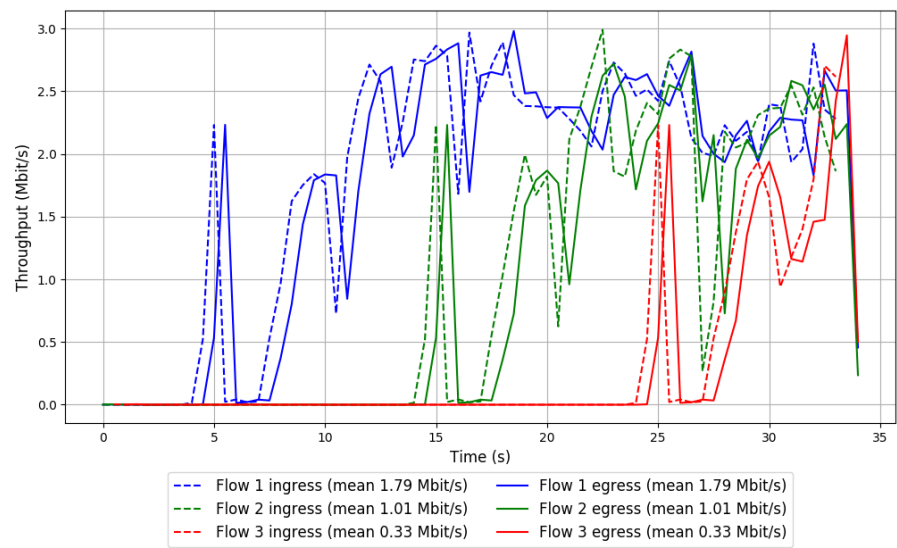


Run 5: Statistics of WebRTC media

Start at: 2018-08-11 08:35:33
End at: 2018-08-11 08:36:03
Local clock offset: -0.197 ms
Remote clock offset: -0.617 ms

Below is generated by plot.py at 2018-08-11 14:26:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 136.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 136.344 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 136.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.714 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

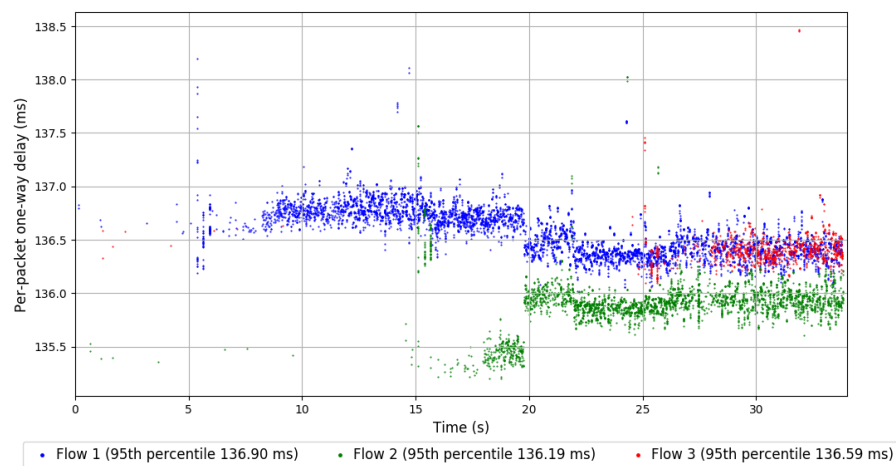
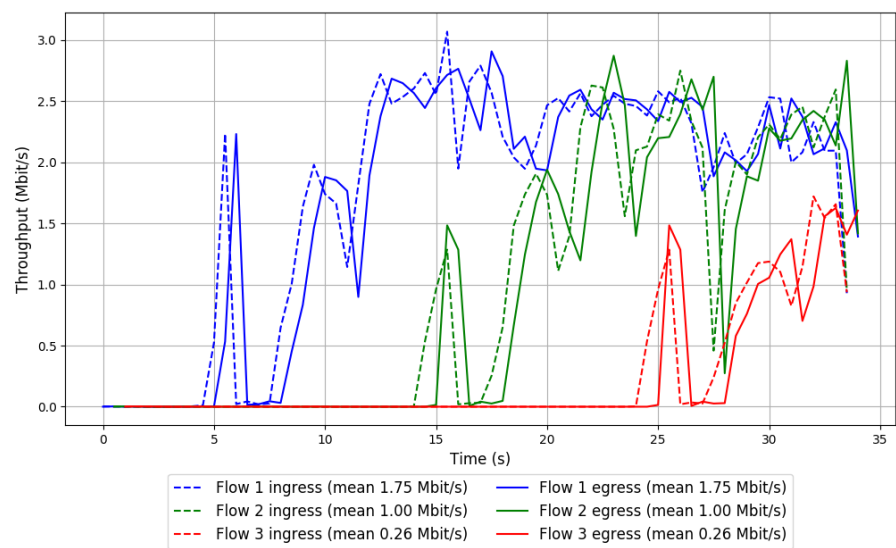


Run 6: Statistics of WebRTC media

Start at: 2018-08-11 09:03:43
End at: 2018-08-11 09:04:13
Local clock offset: 0.186 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-08-11 14:26:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 136.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 136.899 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 136.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 136.593 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

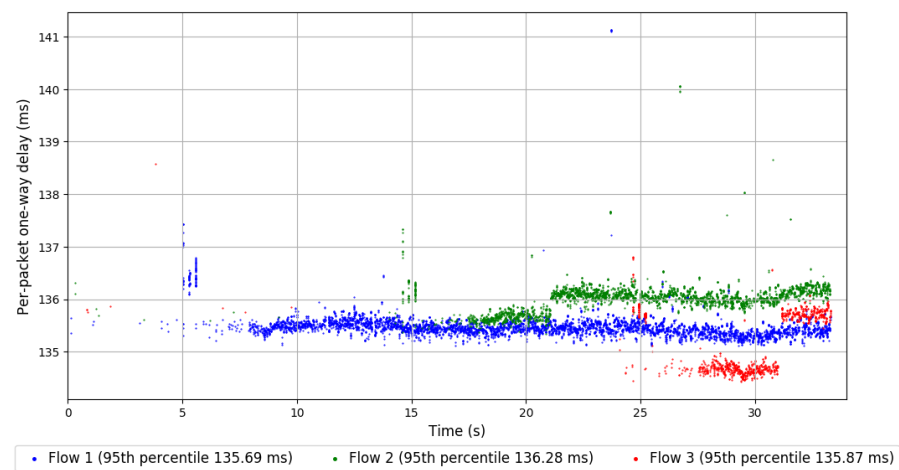
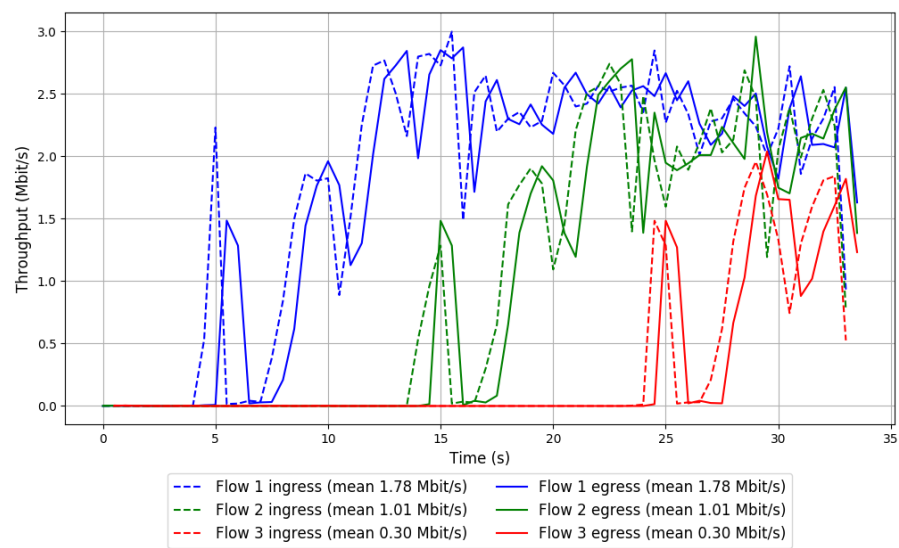


Run 7: Statistics of WebRTC media

Start at: 2018-08-11 09:31:42
End at: 2018-08-11 09:32:12
Local clock offset: 0.106 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2018-08-11 14:26:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 136.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 135.689 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 136.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 135.865 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-11 09:59:55

End at: 2018-08-11 10:00:25

Local clock offset: -0.073 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2018-08-11 14:26:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.05 Mbit/s

95th percentile per-packet one-way delay: 136.861 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 136.297 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 136.907 ms

Loss rate: 0.00%

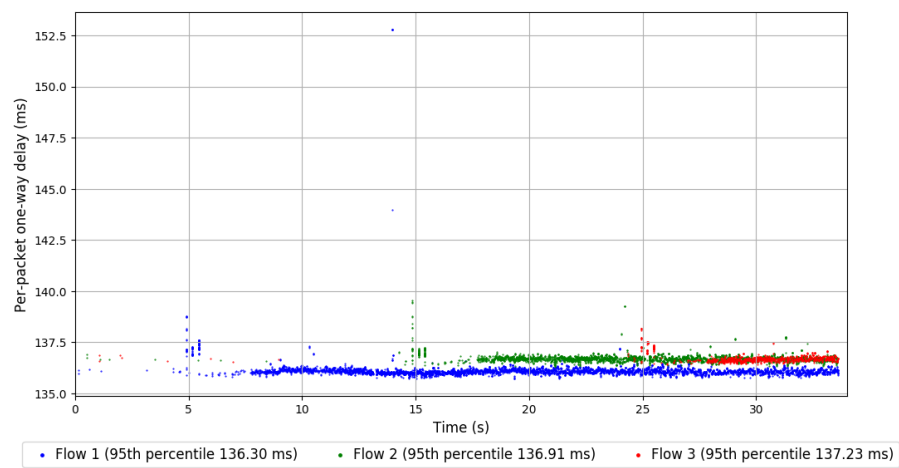
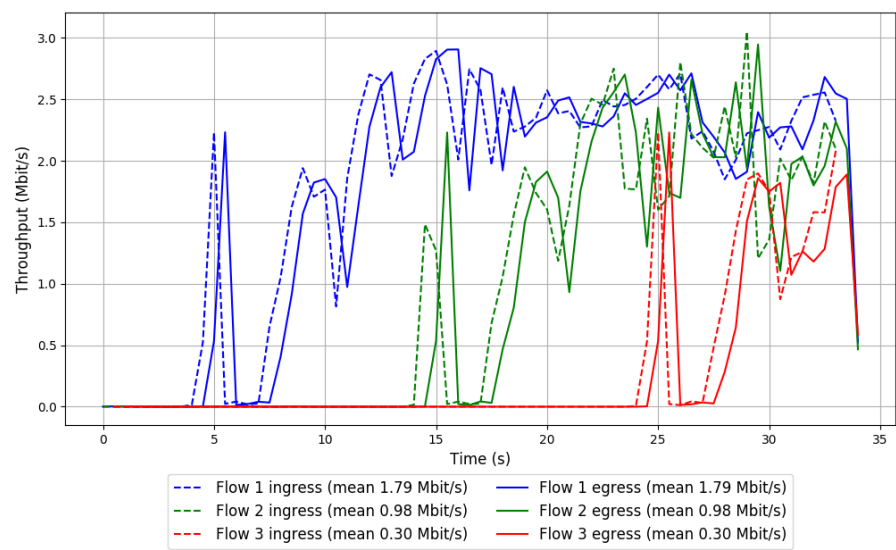
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 137.231 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

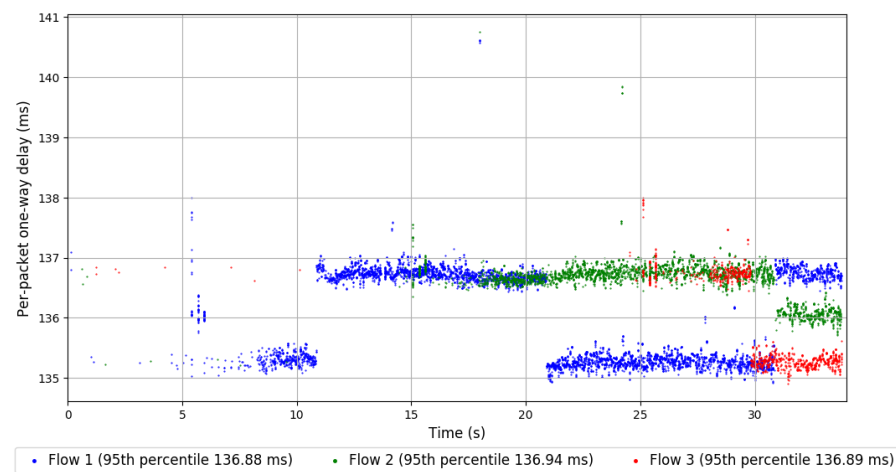
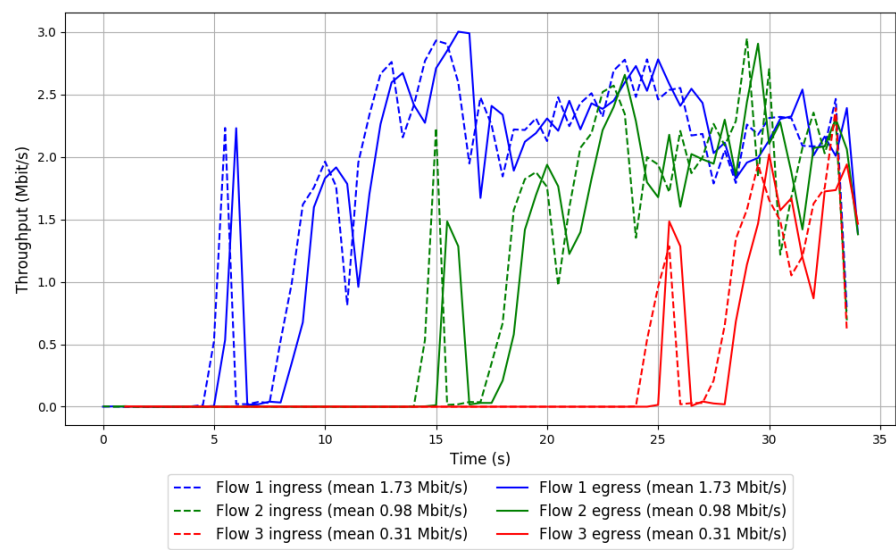


Run 9: Statistics of WebRTC media

Start at: 2018-08-11 10:28:02
End at: 2018-08-11 10:28:32
Local clock offset: 0.155 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-11 14:26:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 136.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 136.878 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 136.941 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.888 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-11 10:55:37
End at: 2018-08-11 10:56:07
Local clock offset: 0.123 ms
Remote clock offset: -0.624 ms

Below is generated by plot.py at 2018-08-11 14:26:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 136.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 136.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 136.710 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.397 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

