

Pantheon Report

Generated at 2018-08-11 00:32:18 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

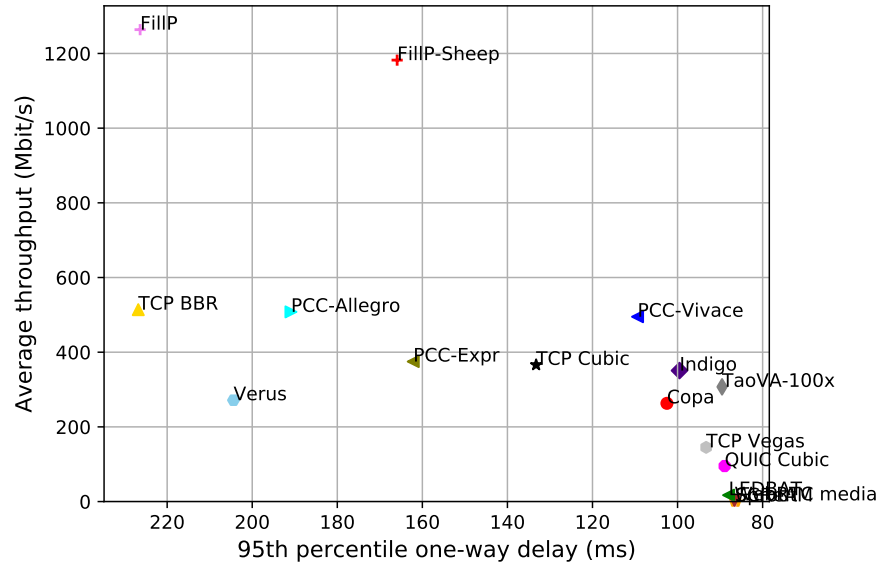
System info:

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

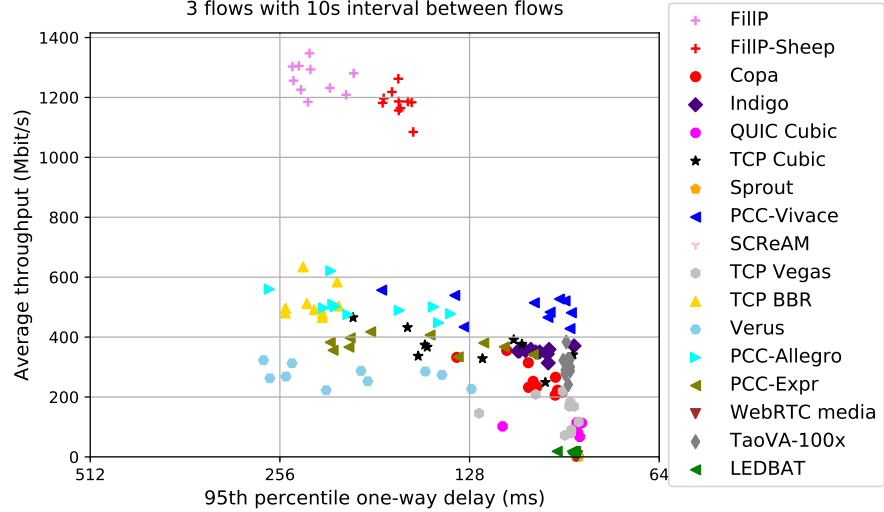
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 Iowa to GCE Sydney, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



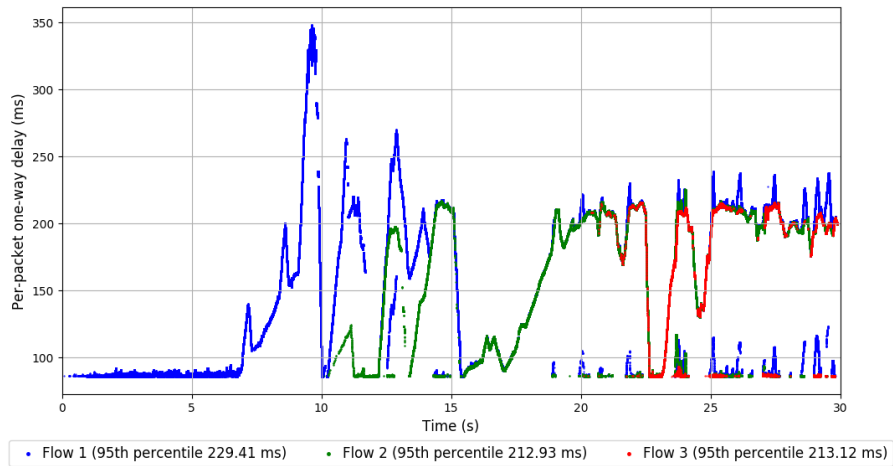
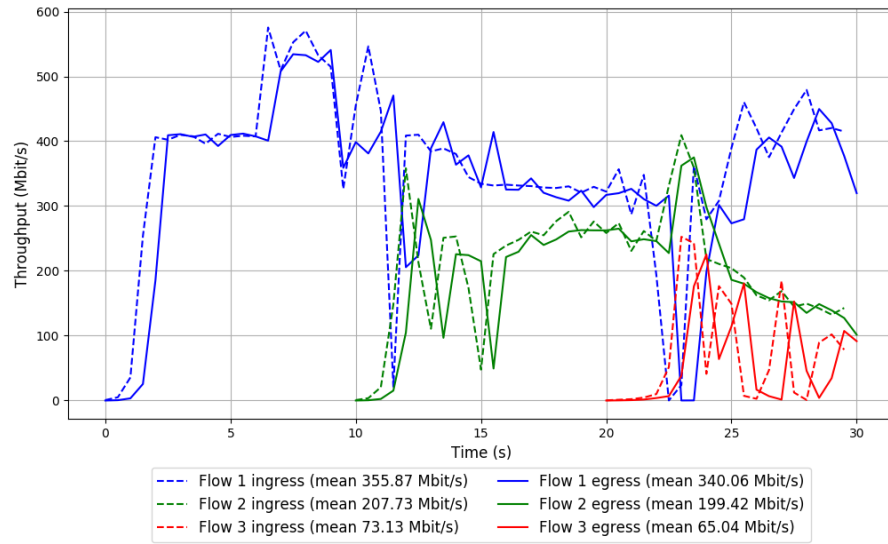
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	363.48	185.74	82.66	233.76	211.10	206.91	3.71	5.18	9.27
Copa	10	152.46	118.39	97.49	104.03	97.56	102.61	0.46	0.75	2.83
TCP Cubic	10	222.95	162.09	107.98	127.91	132.49	129.84	0.64	1.75	4.39
FillP	10	675.31	627.13	526.69	230.94	211.85	162.62	3.96	2.67	2.88
FillP-Sheep	10	640.76	581.19	476.44	168.58	161.15	127.61	1.69	1.76	2.33
Indigo	10	191.83	174.28	133.32	97.49	100.03	102.48	0.58	0.90	2.24
LEDBAT	10	11.21	7.36	3.29	88.08	87.86	87.66	1.24	1.82	3.52
PCC-Allegro	10	462.16	57.33	24.19	192.42	174.40	172.83	2.29	1.48	2.24
PCC-Expr	10	245.34	156.75	78.73	179.67	106.72	105.53	1.69	1.01	2.39
QUIC Cubic	10	54.01	45.94	32.39	89.40	86.13	87.22	0.77	1.02	2.50
SCReAM	10	0.22	0.22	0.22	86.42	86.41	86.31	0.51	0.93	1.82
Sprout	10	0.29	0.29	0.36	86.39	86.29	86.19	0.57	0.65	1.22
TaoVA-100x	10	170.58	162.76	108.53	88.28	90.26	93.73	0.42	0.90	1.02
TCP Vegas	10	66.09	80.70	77.60	90.22	91.55	92.16	0.66	0.90	2.34
Verus	10	174.31	108.16	79.77	189.41	196.51	176.25	2.22	2.01	2.65
PCC-Vivace	10	314.69	222.58	100.55	100.11	120.34	88.51	0.61	1.14	2.56
WebRTC media	9	1.80	1.08	0.41	86.55	86.56	86.52	0.63	1.07	2.85

Run 1: Statistics of TCP BBR

Start at: 2018-08-10 16:49:57
End at: 2018-08-10 16:50:27
Local clock offset: -0.097 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-10 21:25:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.83 Mbit/s
95th percentile per-packet one-way delay: 220.456 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 340.06 Mbit/s
95th percentile per-packet one-way delay: 229.411 ms
Loss rate: 5.00%
-- Flow 2:
Average throughput: 199.42 Mbit/s
95th percentile per-packet one-way delay: 212.931 ms
Loss rate: 4.84%
-- Flow 3:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 213.116 ms
Loss rate: 12.59%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-10 17:16:22

End at: 2018-08-10 17:16:52

Local clock offset: -0.22 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-10 21:25:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 477.93 Mbit/s

95th percentile per-packet one-way delay: 219.276 ms

Loss rate: 3.68%

-- Flow 1:

Average throughput: 322.01 Mbit/s

95th percentile per-packet one-way delay: 219.811 ms

Loss rate: 2.53%

-- Flow 2:

Average throughput: 150.97 Mbit/s

95th percentile per-packet one-way delay: 222.657 ms

Loss rate: 5.06%

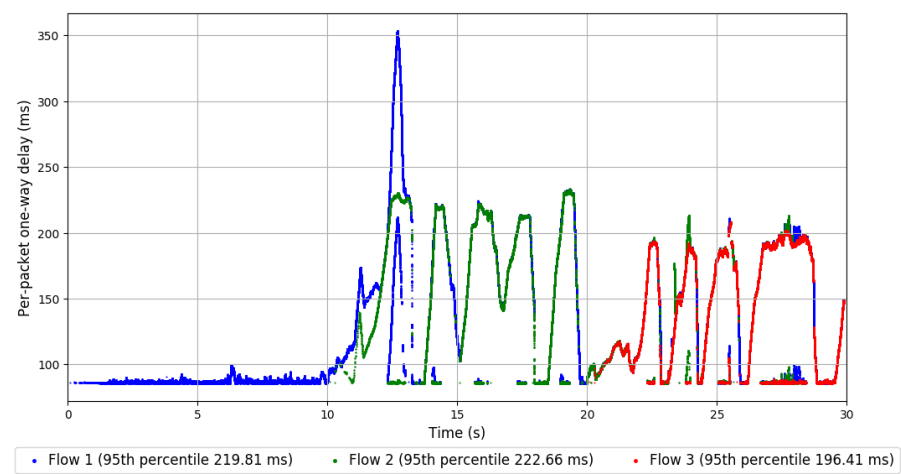
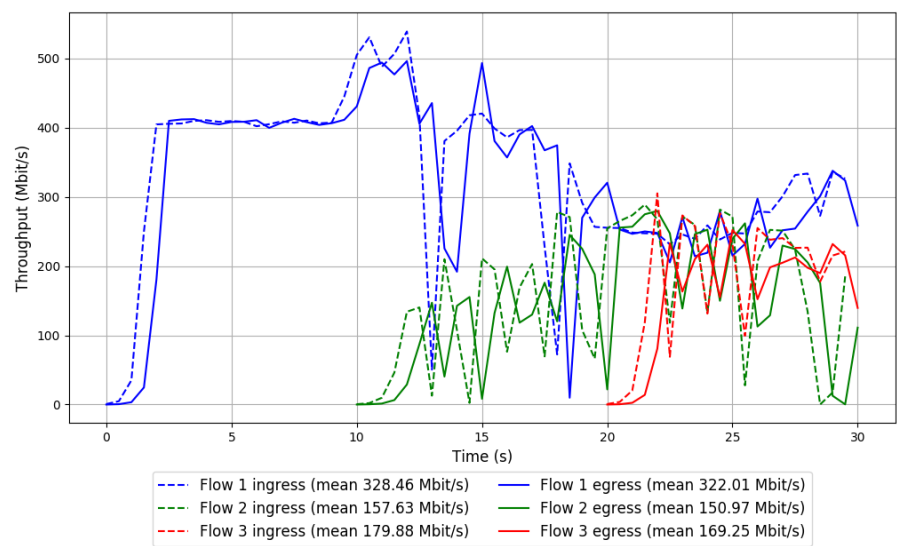
-- Flow 3:

Average throughput: 169.25 Mbit/s

95th percentile per-packet one-way delay: 196.410 ms

Loss rate: 7.55%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-10 17:42:44

End at: 2018-08-10 17:43:14

Local clock offset: -0.153 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-08-10 21:25:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 480.56 Mbit/s

95th percentile per-packet one-way delay: 251.020 ms

Loss rate: 3.57%

-- Flow 1:

Average throughput: 386.65 Mbit/s

95th percentile per-packet one-way delay: 259.097 ms

Loss rate: 3.41%

-- Flow 2:

Average throughput: 140.65 Mbit/s

95th percentile per-packet one-way delay: 209.812 ms

Loss rate: 4.23%

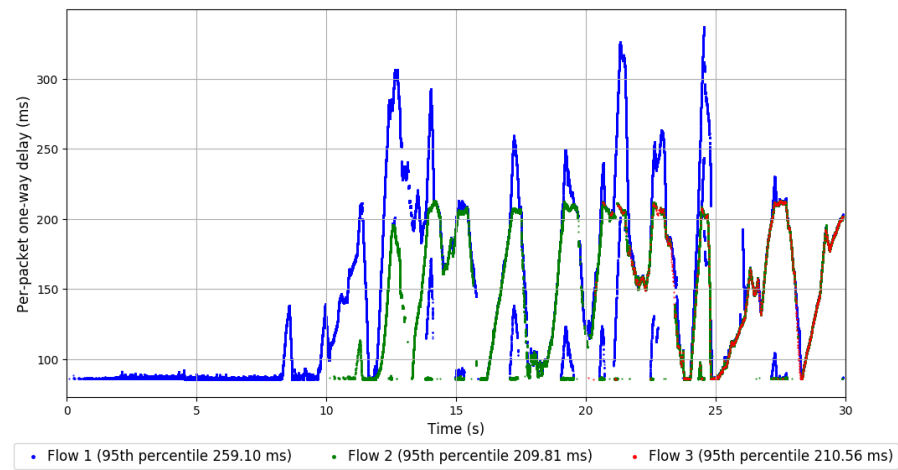
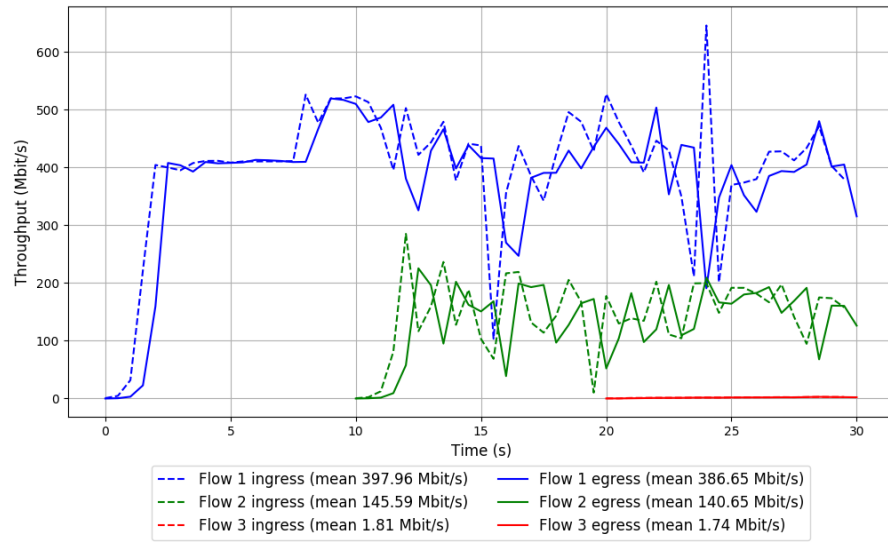
-- Flow 3:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 210.555 ms

Loss rate: 5.67%

Run 3: Report of TCP BBR — Data Link

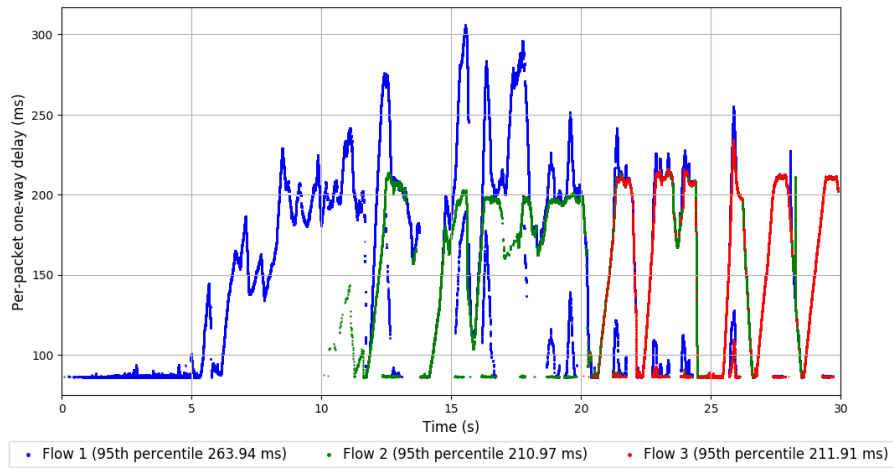
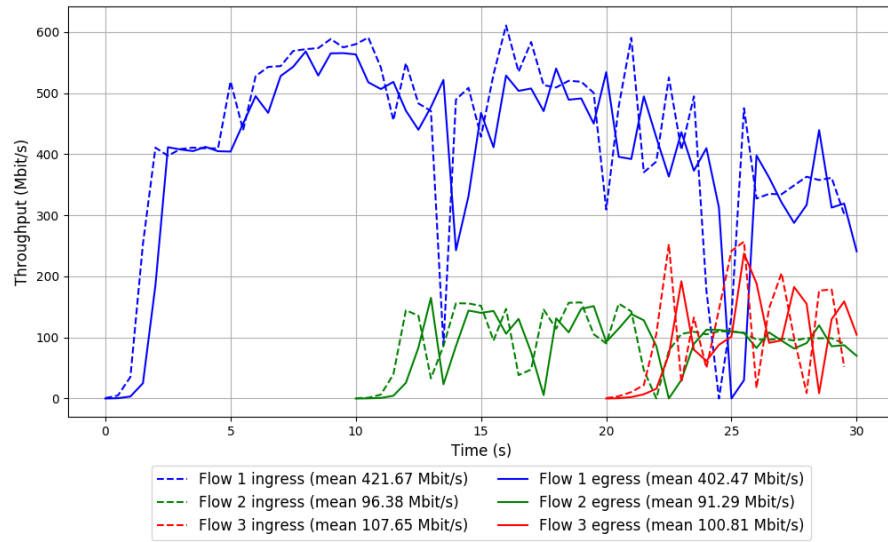


Run 4: Statistics of TCP BBR

Start at: 2018-08-10 18:08:42
End at: 2018-08-10 18:09:12
Local clock offset: 0.202 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-10 21:25:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.22 Mbit/s
95th percentile per-packet one-way delay: 250.776 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 402.47 Mbit/s
95th percentile per-packet one-way delay: 263.939 ms
Loss rate: 5.11%
-- Flow 2:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 210.966 ms
Loss rate: 6.10%
-- Flow 3:
Average throughput: 100.81 Mbit/s
95th percentile per-packet one-way delay: 211.906 ms
Loss rate: 7.53%

Run 4: Report of TCP BBR — Data Link

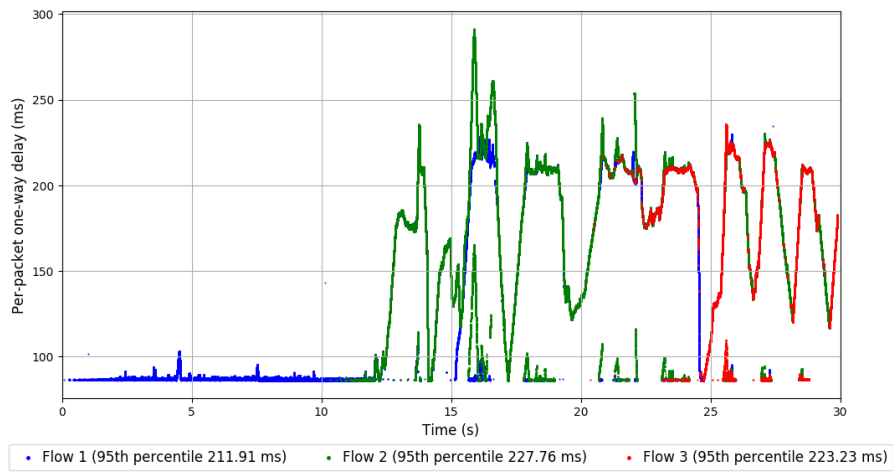
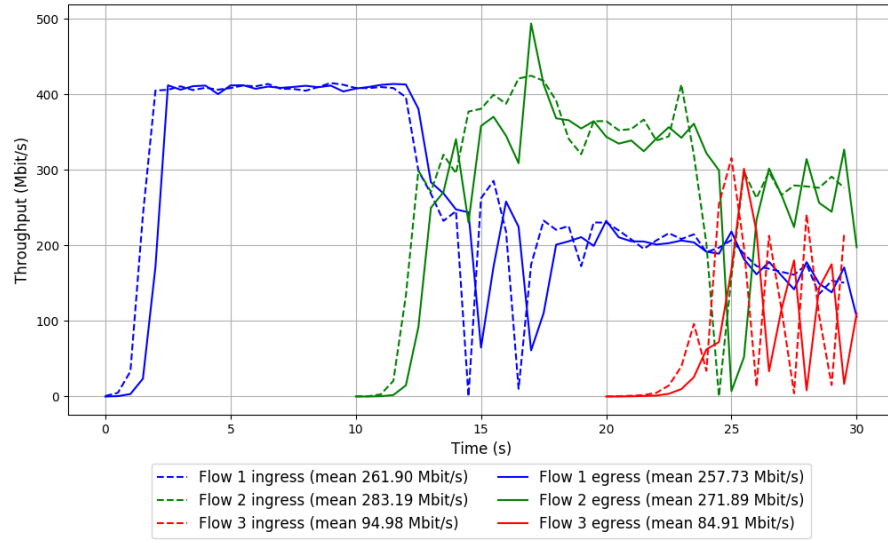


Run 5: Statistics of TCP BBR

Start at: 2018-08-10 18:35:11
End at: 2018-08-10 18:35:41
Local clock offset: 1.044 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-10 21:25:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.49 Mbit/s
95th percentile per-packet one-way delay: 219.271 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 257.73 Mbit/s
95th percentile per-packet one-way delay: 211.912 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 271.89 Mbit/s
95th percentile per-packet one-way delay: 227.764 ms
Loss rate: 5.09%
-- Flow 3:
Average throughput: 84.91 Mbit/s
95th percentile per-packet one-way delay: 223.230 ms
Loss rate: 12.67%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-10 19:01:43

End at: 2018-08-10 19:02:13

Local clock offset: 0.475 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-08-10 21:25:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 491.41 Mbit/s

95th percentile per-packet one-way delay: 225.730 ms

Loss rate: 5.25%

-- Flow 1:

Average throughput: 408.90 Mbit/s

95th percentile per-packet one-way delay: 230.168 ms

Loss rate: 4.66%

-- Flow 2:

Average throughput: 104.79 Mbit/s

95th percentile per-packet one-way delay: 213.180 ms

Loss rate: 7.38%

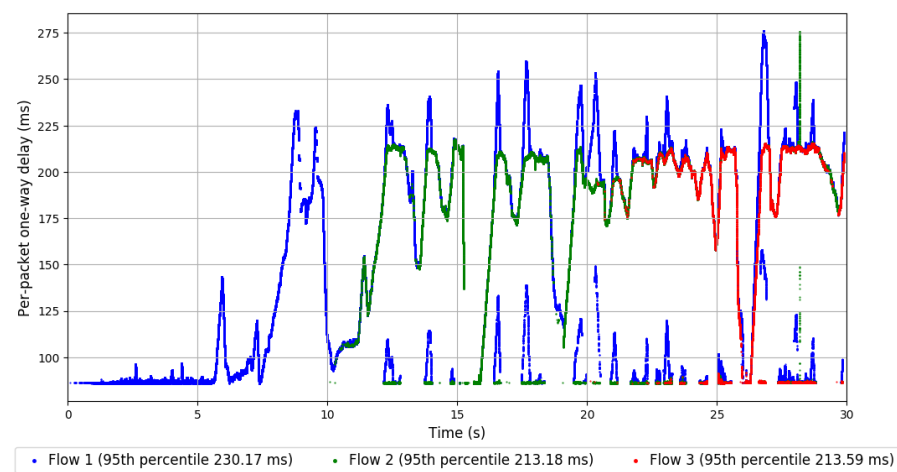
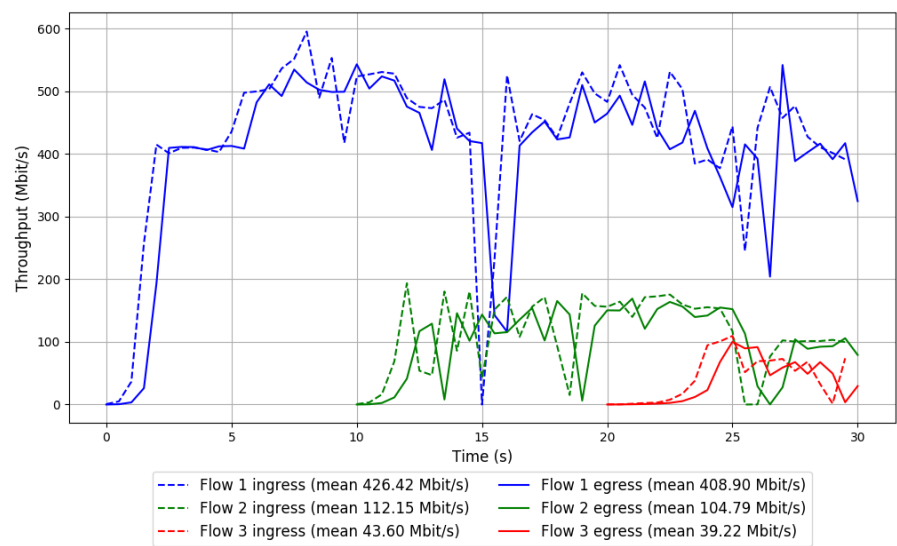
-- Flow 3:

Average throughput: 39.22 Mbit/s

95th percentile per-packet one-way delay: 213.595 ms

Loss rate: 11.61%

Run 6: Report of TCP BBR — Data Link

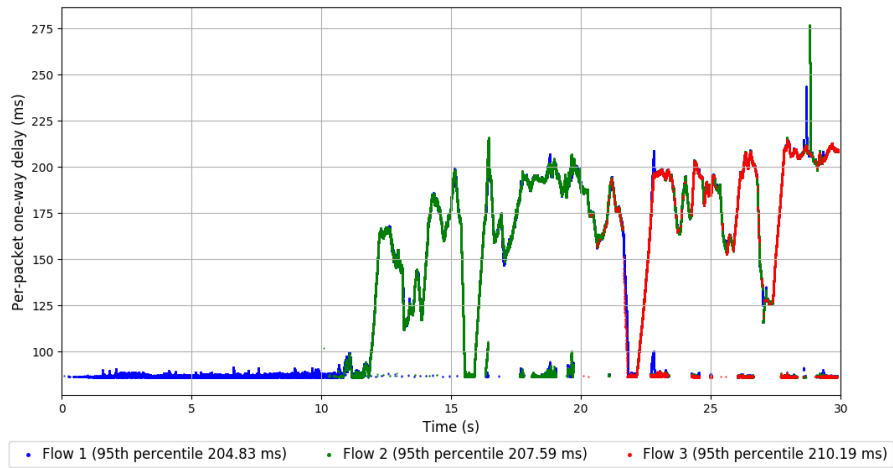
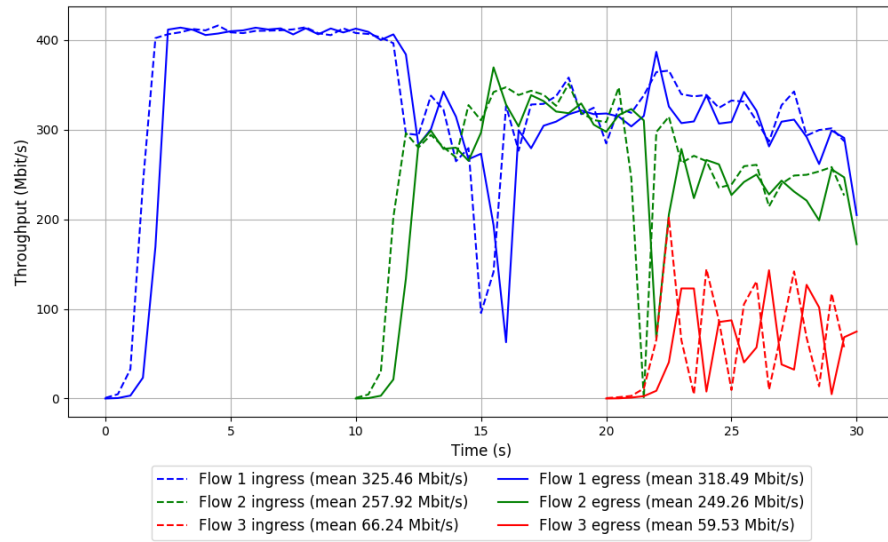


Run 7: Statistics of TCP BBR

Start at: 2018-08-10 19:28:04
End at: 2018-08-10 19:28:34
Local clock offset: 0.42 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-08-10 21:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 503.52 Mbit/s
95th percentile per-packet one-way delay: 206.490 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 318.49 Mbit/s
95th percentile per-packet one-way delay: 204.829 ms
Loss rate: 2.71%
-- Flow 2:
Average throughput: 249.26 Mbit/s
95th percentile per-packet one-way delay: 207.592 ms
Loss rate: 4.27%
-- Flow 3:
Average throughput: 59.53 Mbit/s
95th percentile per-packet one-way delay: 210.186 ms
Loss rate: 11.15%

Run 7: Report of TCP BBR — Data Link

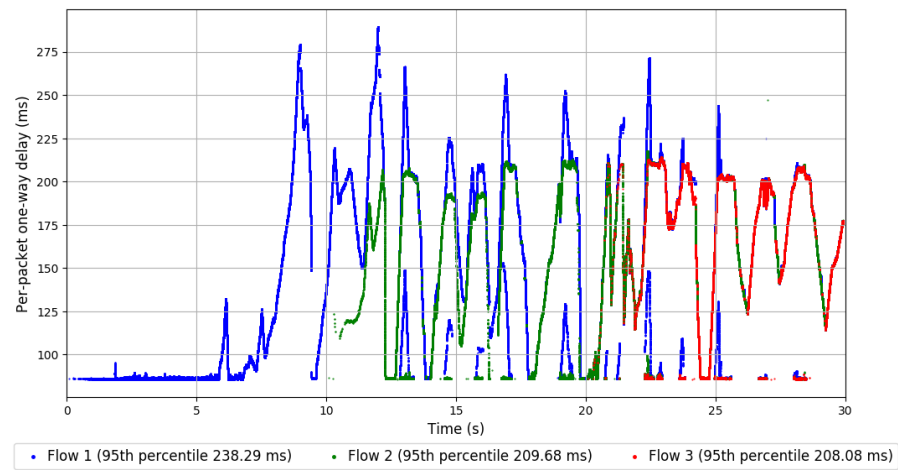
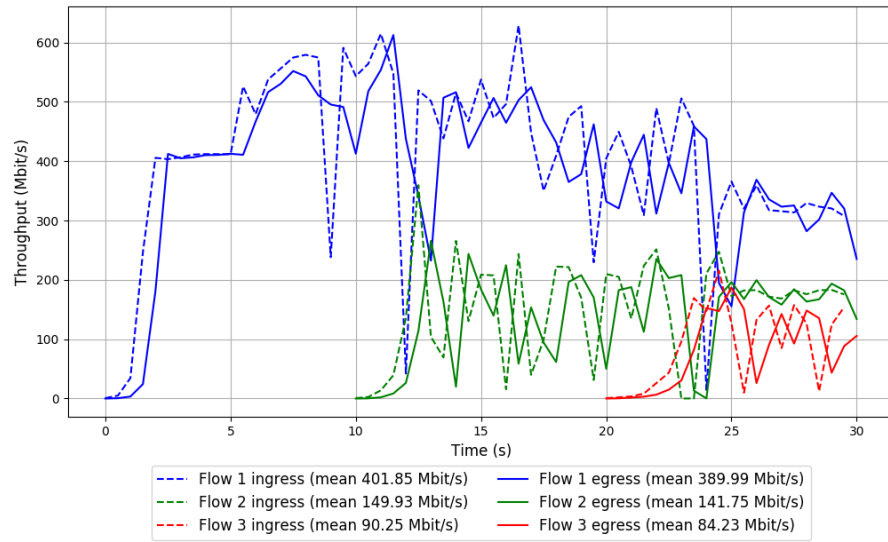


Run 8: Statistics of TCP BBR

Start at: 2018-08-10 19:54:30
End at: 2018-08-10 19:55:00
Local clock offset: -0.131 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-10 21:25:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 511.83 Mbit/s
95th percentile per-packet one-way delay: 232.012 ms
Loss rate: 4.30%
-- Flow 1:
Average throughput: 389.99 Mbit/s
95th percentile per-packet one-way delay: 238.293 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 141.75 Mbit/s
95th percentile per-packet one-way delay: 209.683 ms
Loss rate: 6.28%
-- Flow 3:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 208.082 ms
Loss rate: 8.30%

Run 8: Report of TCP BBR — Data Link

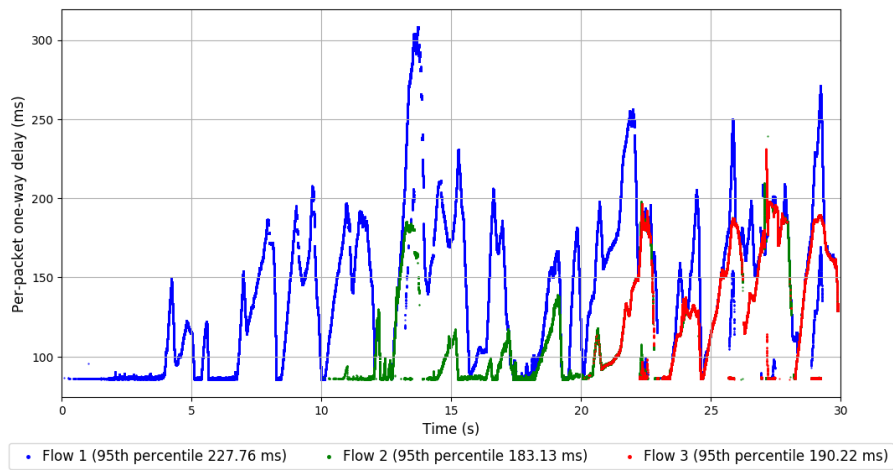
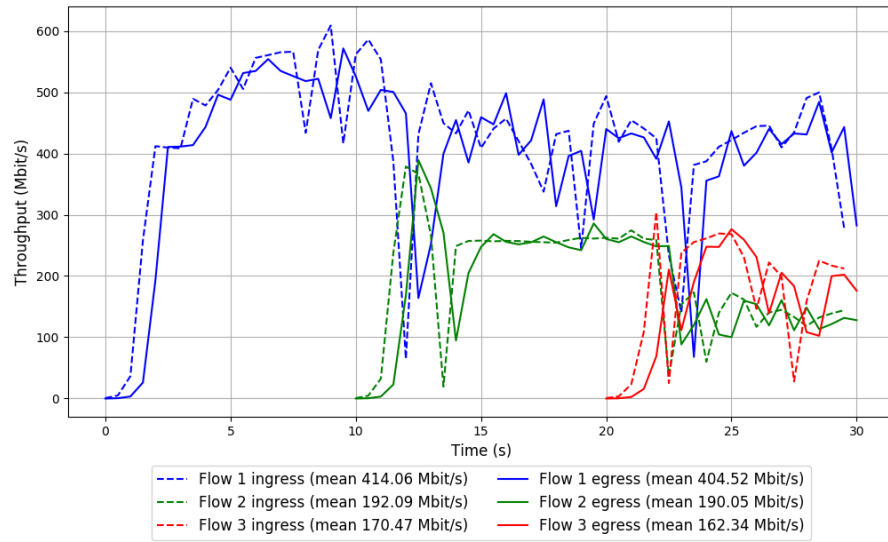


Run 9: Statistics of TCP BBR

Start at: 2018-08-10 20:21:13
End at: 2018-08-10 20:21:43
Local clock offset: 0.038 ms
Remote clock offset: -32.961 ms

Below is generated by plot.py at 2018-08-10 21:35:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 584.04 Mbit/s
95th percentile per-packet one-way delay: 207.685 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 404.52 Mbit/s
95th percentile per-packet one-way delay: 227.763 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 190.05 Mbit/s
95th percentile per-packet one-way delay: 183.134 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 162.34 Mbit/s
95th percentile per-packet one-way delay: 190.223 ms
Loss rate: 6.44%

Run 9: Report of TCP BBR — Data Link

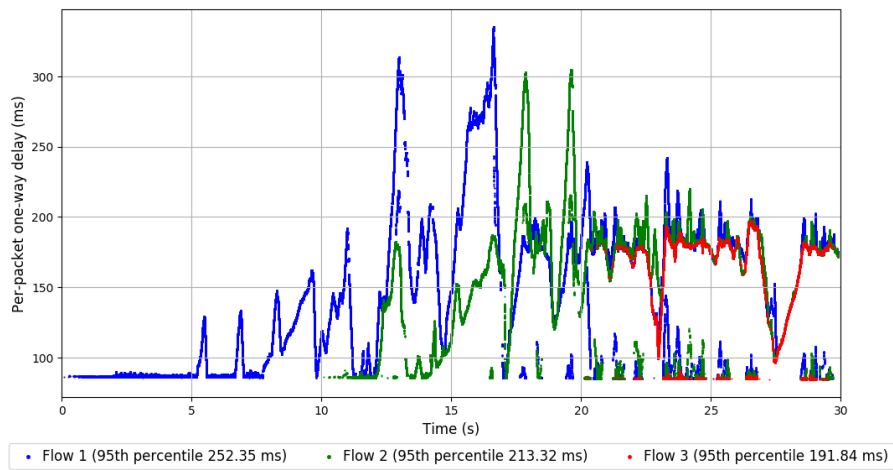
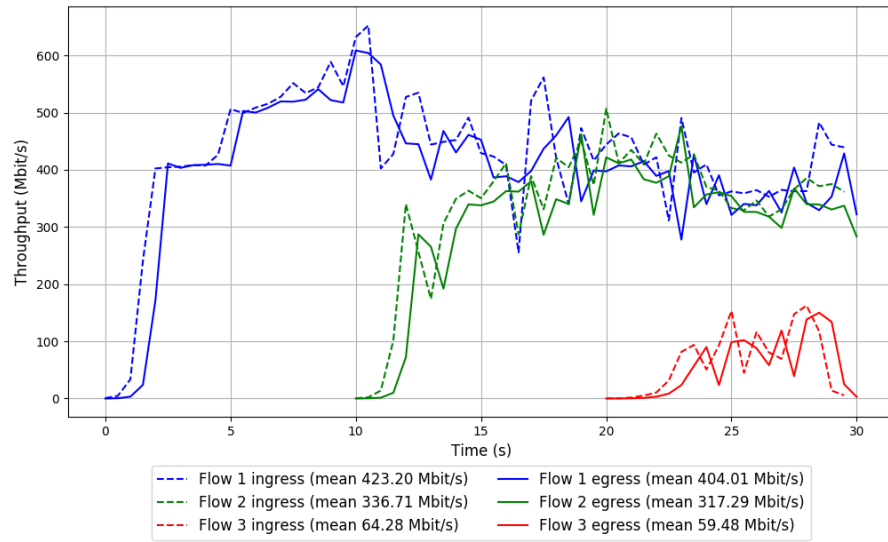


Run 10: Statistics of TCP BBR

Start at: 2018-08-10 20:48:43
End at: 2018-08-10 20:49:13
Local clock offset: 0.323 ms
Remote clock offset: -89.924 ms

Below is generated by plot.py at 2018-08-10 21:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 634.26 Mbit/s
95th percentile per-packet one-way delay: 235.160 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 404.01 Mbit/s
95th percentile per-packet one-way delay: 252.351 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 317.29 Mbit/s
95th percentile per-packet one-way delay: 213.320 ms
Loss rate: 6.59%
-- Flow 3:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 191.837 ms
Loss rate: 9.21%

Run 10: Report of TCP BBR — Data Link

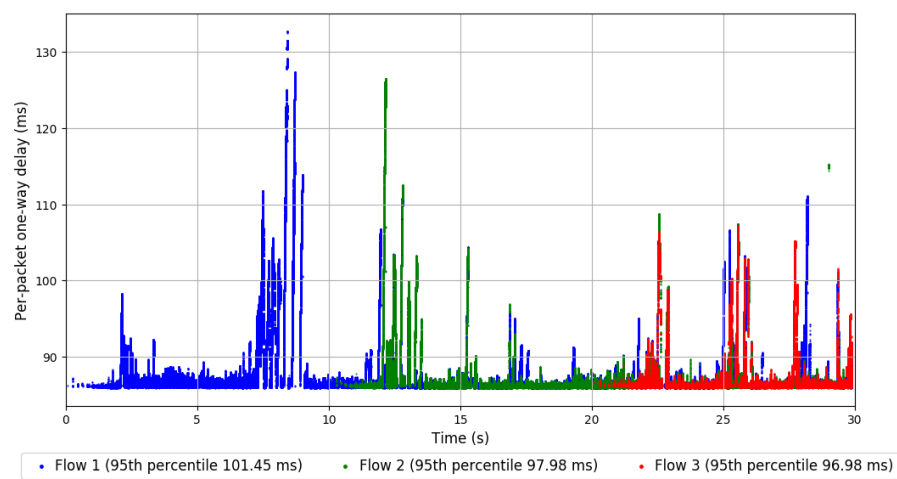
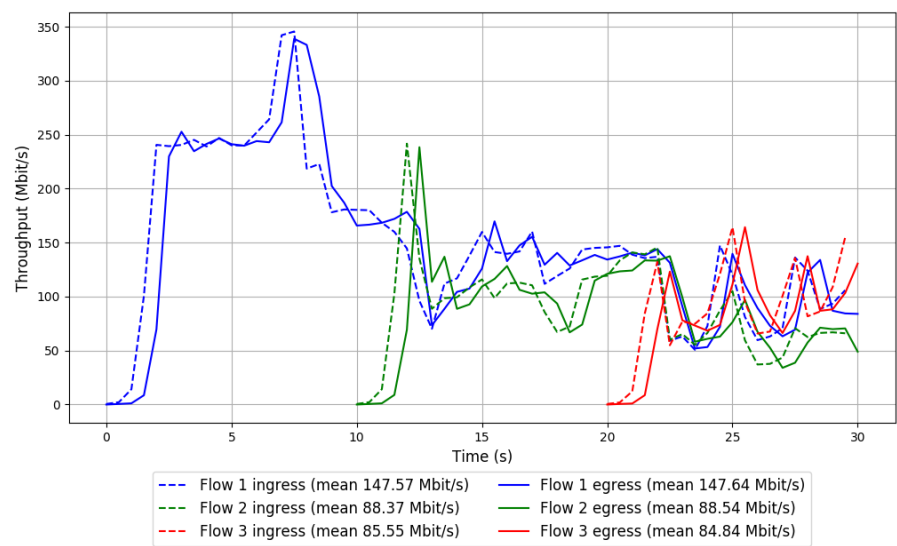


Run 1: Statistics of Copa

Start at: 2018-08-10 16:54:21
End at: 2018-08-10 16:54:51
Local clock offset: -0.135 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-10 21:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.27 Mbit/s
95th percentile per-packet one-way delay: 100.082 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 147.64 Mbit/s
95th percentile per-packet one-way delay: 101.446 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 97.980 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 96.984 ms
Loss rate: 2.55%

Run 1: Report of Copa — Data Link

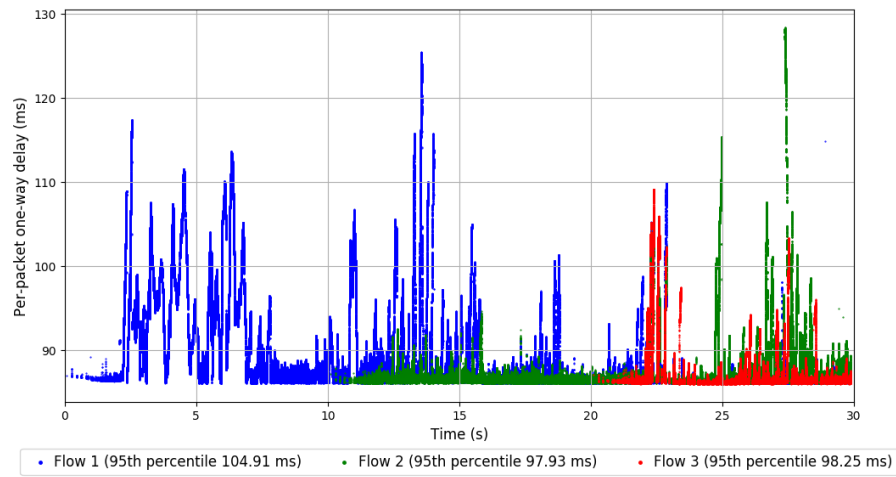
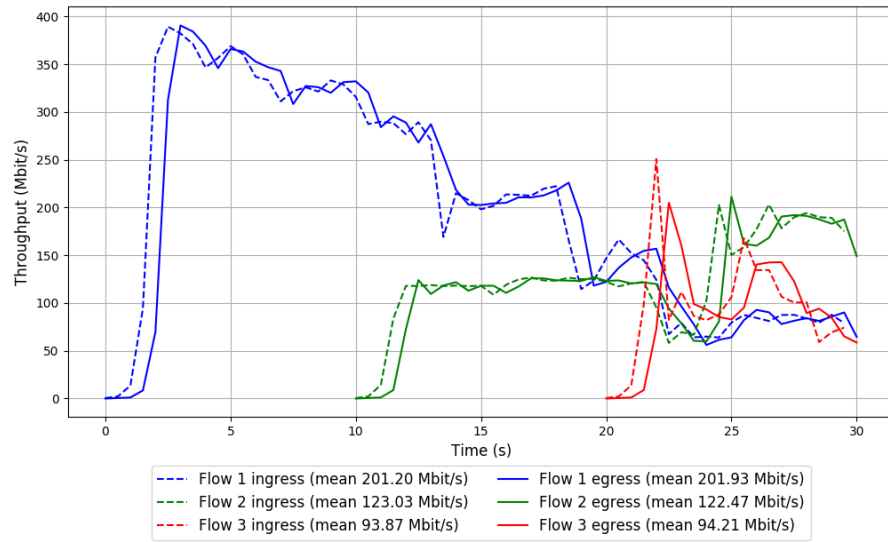


Run 2: Statistics of Copa

Start at: 2018-08-10 17:20:46
End at: 2018-08-10 17:21:16
Local clock offset: 0.069 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-08-10 21:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.21 Mbit/s
95th percentile per-packet one-way delay: 103.271 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 201.93 Mbit/s
95th percentile per-packet one-way delay: 104.905 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 122.47 Mbit/s
95th percentile per-packet one-way delay: 97.926 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 98.254 ms
Loss rate: 1.39%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-10 17:47:11

End at: 2018-08-10 17:47:41

Local clock offset: 0.076 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-10 21:37:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 215.63 Mbit/s

95th percentile per-packet one-way delay: 91.250 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 137.74 Mbit/s

95th percentile per-packet one-way delay: 91.673 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 67.71 Mbit/s

95th percentile per-packet one-way delay: 91.481 ms

Loss rate: 0.94%

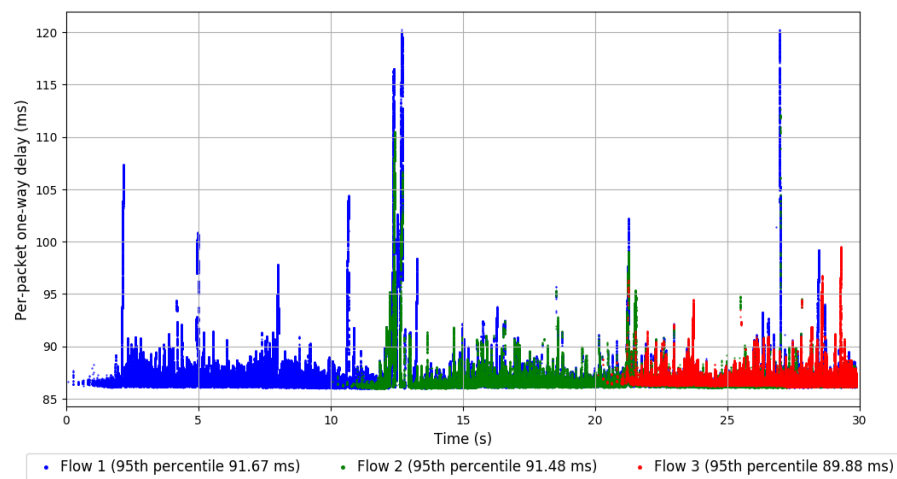
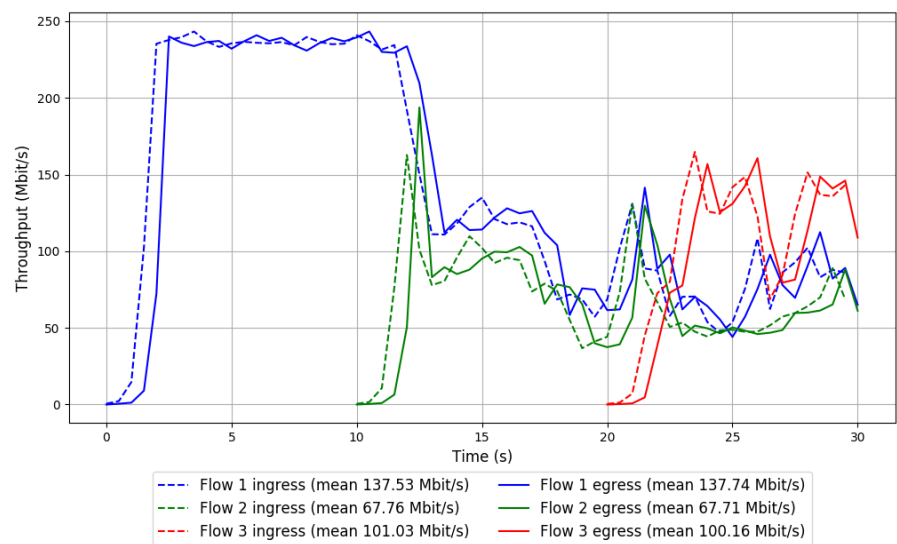
-- Flow 3:

Average throughput: 100.16 Mbit/s

95th percentile per-packet one-way delay: 89.882 ms

Loss rate: 2.57%

Run 3: Report of Copa — Data Link

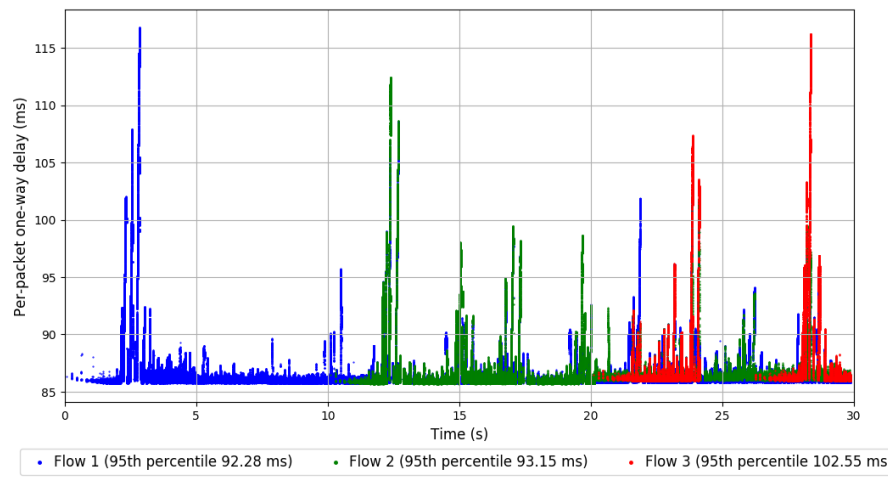
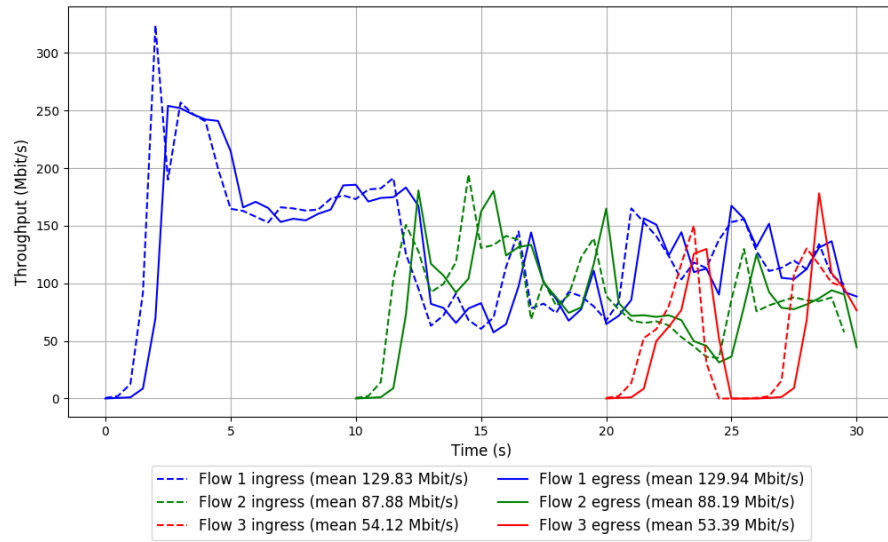


Run 4: Statistics of Copa

Start at: 2018-08-10 18:13:08
End at: 2018-08-10 18:13:38
Local clock offset: 0.261 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-10 21:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.05 Mbit/s
95th percentile per-packet one-way delay: 93.624 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 129.94 Mbit/s
95th percentile per-packet one-way delay: 92.276 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 93.151 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 53.39 Mbit/s
95th percentile per-packet one-way delay: 102.551 ms
Loss rate: 3.06%

Run 4: Report of Copa — Data Link

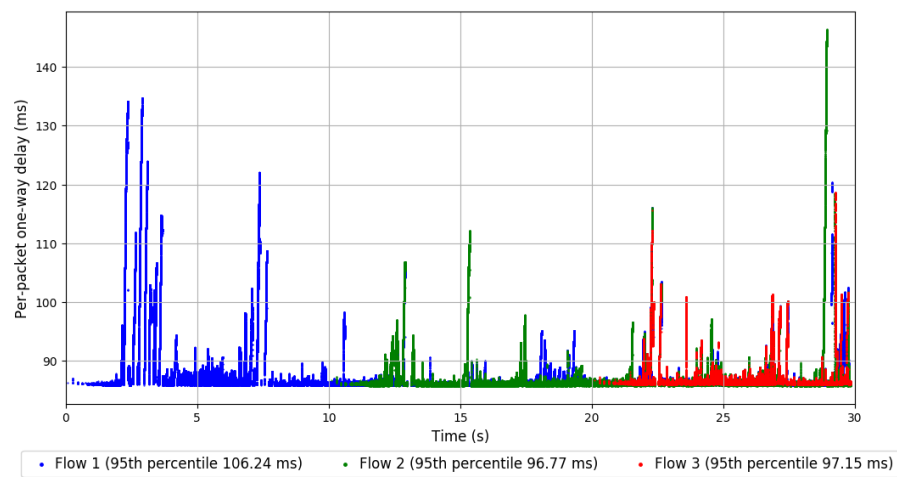
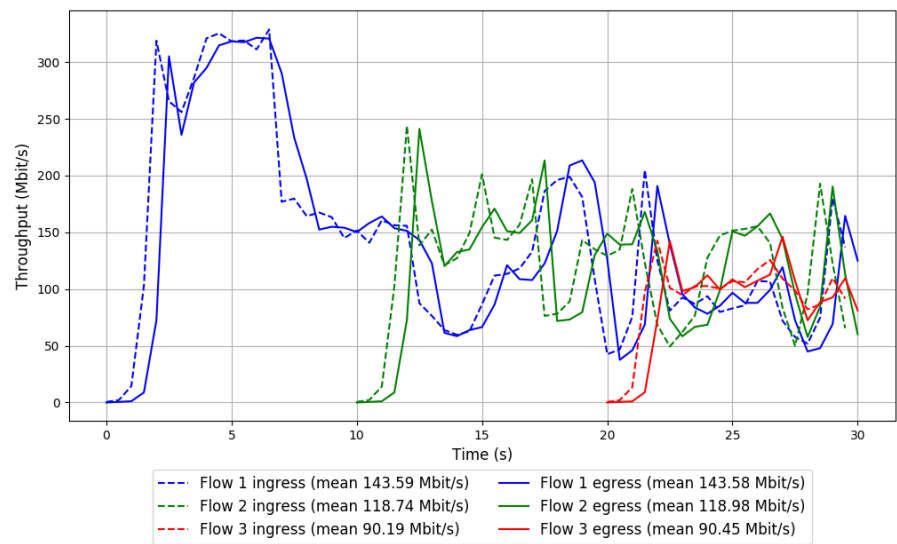


Run 5: Statistics of Copa

Start at: 2018-08-10 18:39:37
End at: 2018-08-10 18:40:07
Local clock offset: 0.607 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-10 21:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.18 Mbit/s
95th percentile per-packet one-way delay: 101.458 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 143.58 Mbit/s
95th percentile per-packet one-way delay: 106.241 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 118.98 Mbit/s
95th percentile per-packet one-way delay: 96.768 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 97.152 ms
Loss rate: 1.45%

Run 5: Report of Copa — Data Link

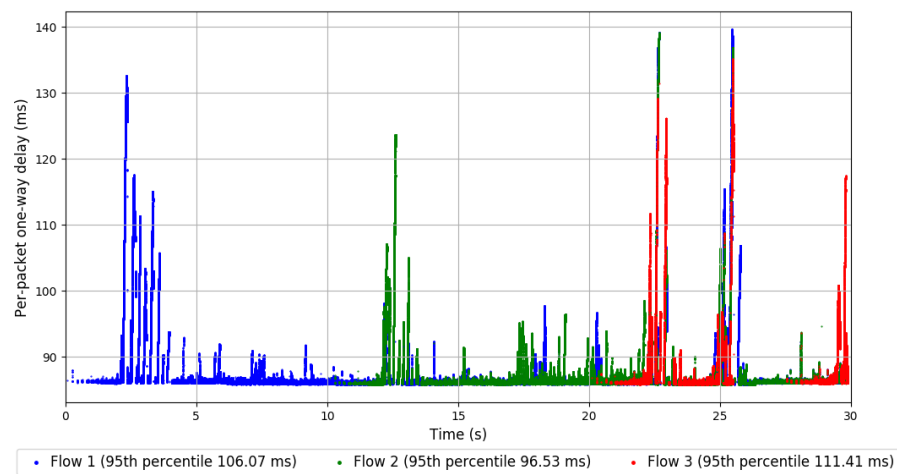
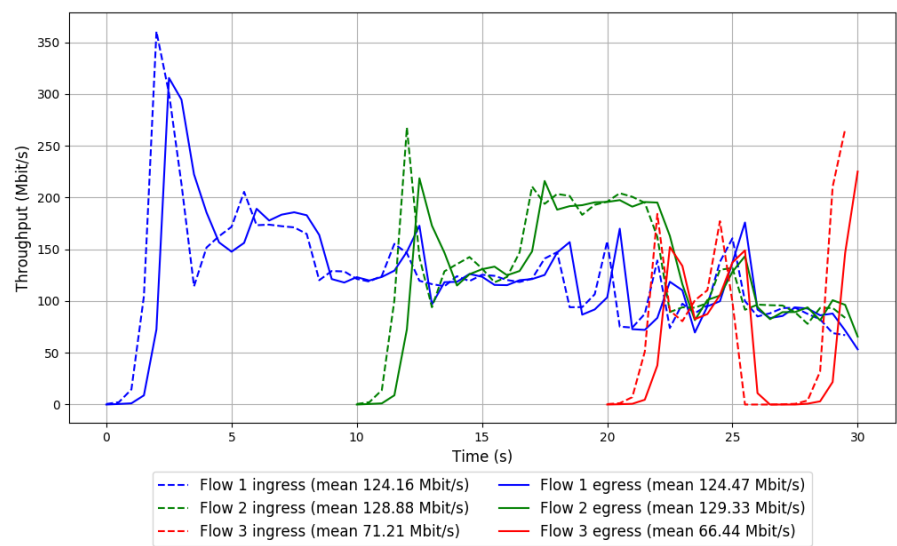


Run 6: Statistics of Copa

Start at: 2018-08-10 19:06:12
End at: 2018-08-10 19:06:42
Local clock offset: 0.334 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-08-10 21:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.14 Mbit/s
95th percentile per-packet one-way delay: 103.182 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 124.47 Mbit/s
95th percentile per-packet one-way delay: 106.071 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 129.33 Mbit/s
95th percentile per-packet one-way delay: 96.530 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 111.414 ms
Loss rate: 8.19%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-10 19:32:33

End at: 2018-08-10 19:33:03

Local clock offset: -0.008 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-08-10 21:42:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 265.73 Mbit/s

95th percentile per-packet one-way delay: 93.480 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 153.26 Mbit/s

95th percentile per-packet one-way delay: 94.140 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 131.21 Mbit/s

95th percentile per-packet one-way delay: 94.163 ms

Loss rate: 0.84%

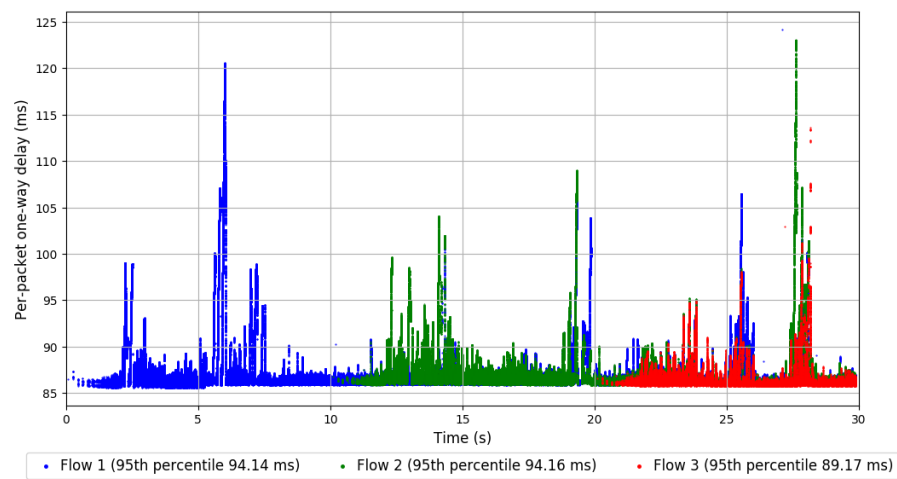
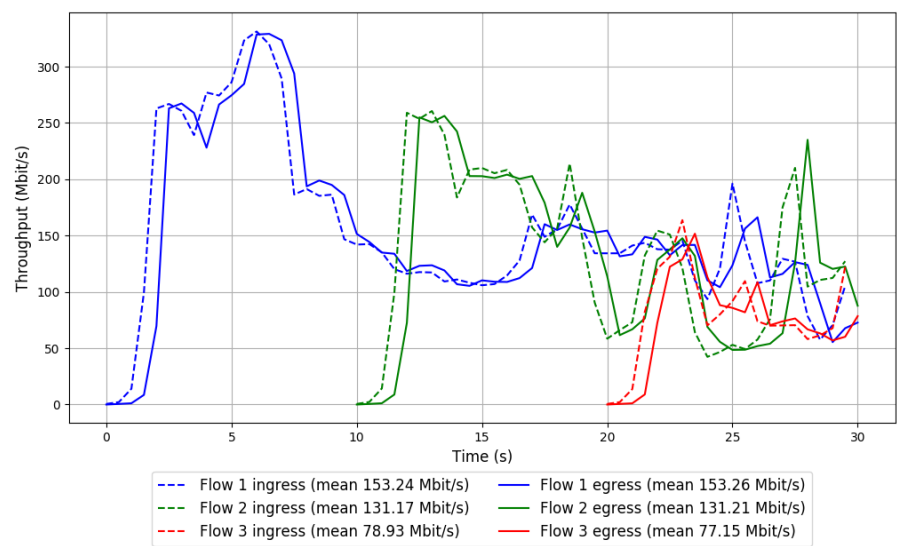
-- Flow 3:

Average throughput: 77.15 Mbit/s

95th percentile per-packet one-way delay: 89.174 ms

Loss rate: 3.96%

Run 7: Report of Copa — Data Link

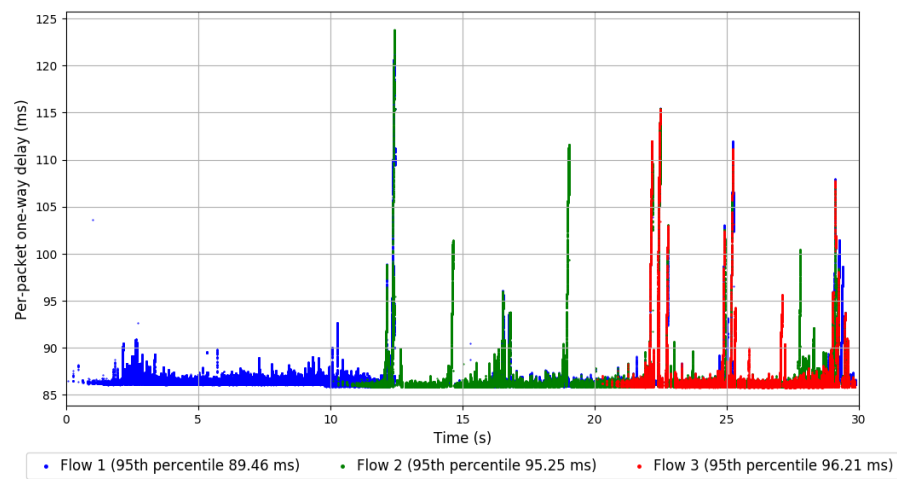
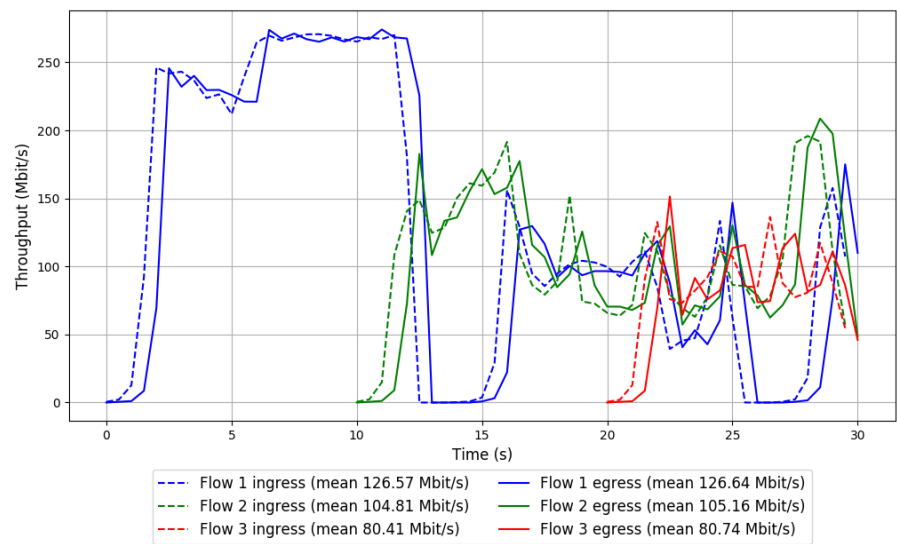


Run 8: Statistics of Copa

Start at: 2018-08-10 19:58:58
End at: 2018-08-10 19:59:28
Local clock offset: 0.04 ms
Remote clock offset: -0.016 ms

```
# Below is generated by plot.py at 2018-08-10 21:42:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 222.68 Mbit/s
95th percentile per-packet one-way delay: 92.797 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 126.64 Mbit/s
95th percentile per-packet one-way delay: 89.457 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 105.16 Mbit/s
95th percentile per-packet one-way delay: 95.248 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 96.212 ms
Loss rate: 1.36%
```

Run 8: Report of Copa — Data Link

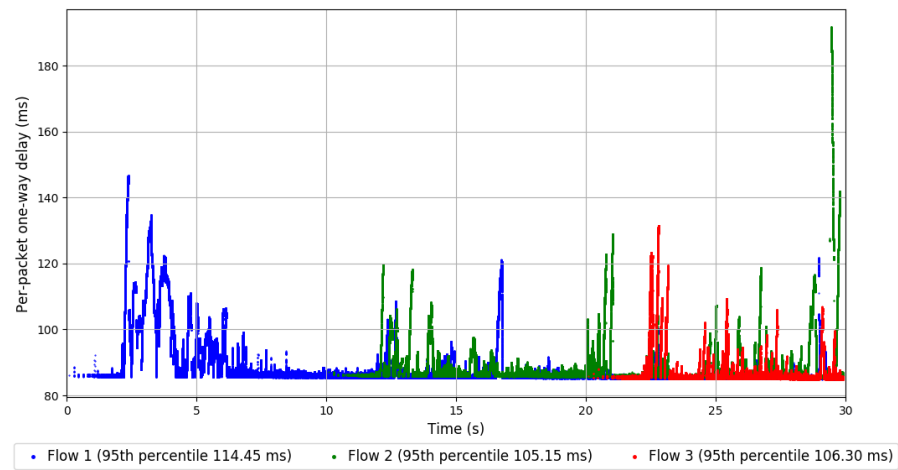
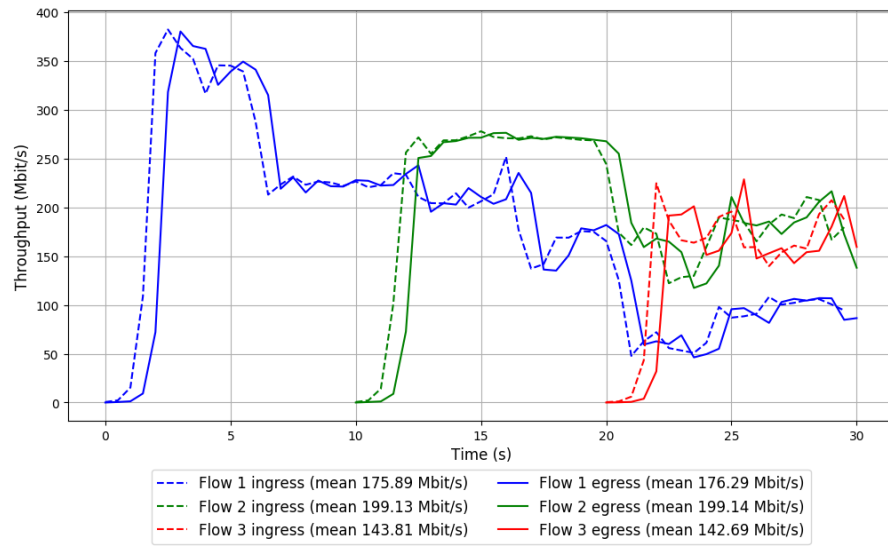


Run 9: Statistics of Copa

Start at: 2018-08-10 20:25:50
End at: 2018-08-10 20:26:20
Local clock offset: -0.174 ms
Remote clock offset: -36.943 ms

Below is generated by plot.py at 2018-08-10 21:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.43 Mbit/s
95th percentile per-packet one-way delay: 111.748 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 176.29 Mbit/s
95th percentile per-packet one-way delay: 114.454 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 199.14 Mbit/s
95th percentile per-packet one-way delay: 105.148 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 142.69 Mbit/s
95th percentile per-packet one-way delay: 106.303 ms
Loss rate: 2.49%

Run 9: Report of Copa — Data Link

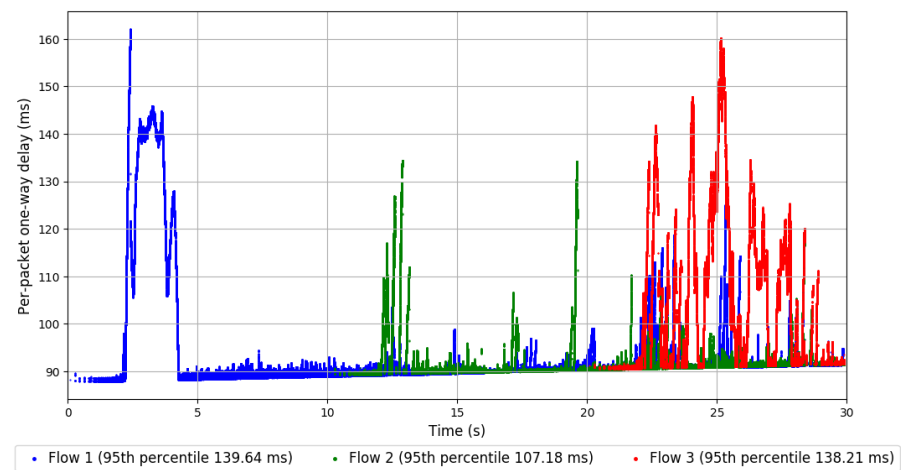
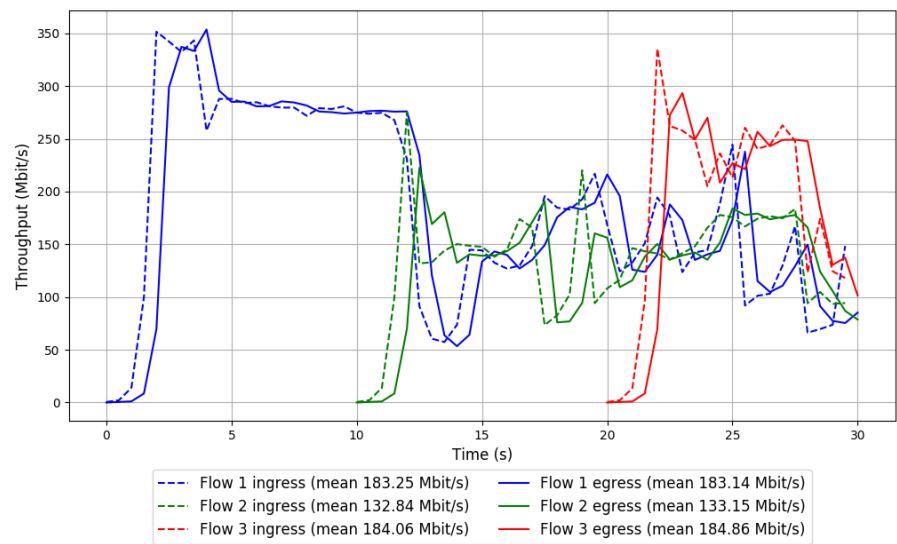


Run 10: Statistics of Copa

Start at: 2018-08-10 20:53:27
End at: 2018-08-10 20:53:57
Local clock offset: 0.027 ms
Remote clock offset: -81.353 ms

Below is generated by plot.py at 2018-08-10 21:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.29 Mbit/s
95th percentile per-packet one-way delay: 134.130 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 183.14 Mbit/s
95th percentile per-packet one-way delay: 139.636 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 133.15 Mbit/s
95th percentile per-packet one-way delay: 107.179 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 184.86 Mbit/s
95th percentile per-packet one-way delay: 138.210 ms
Loss rate: 1.29%

Run 10: Report of Copa — Data Link

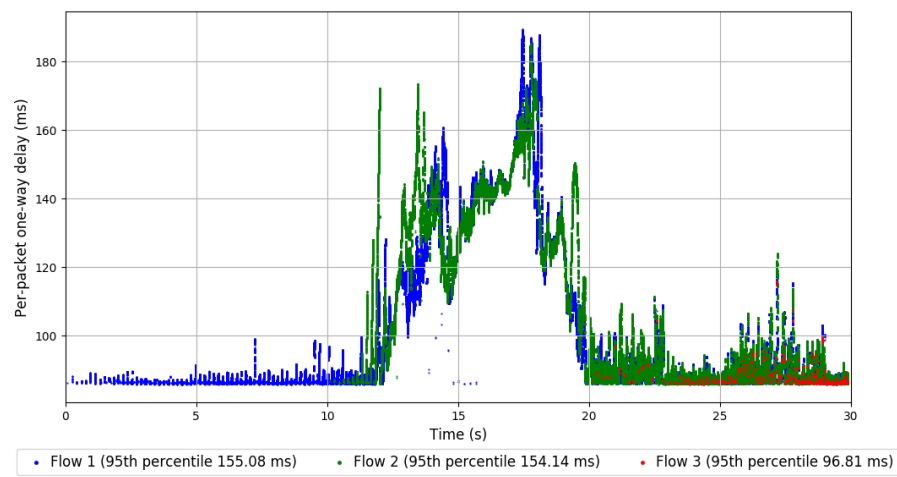
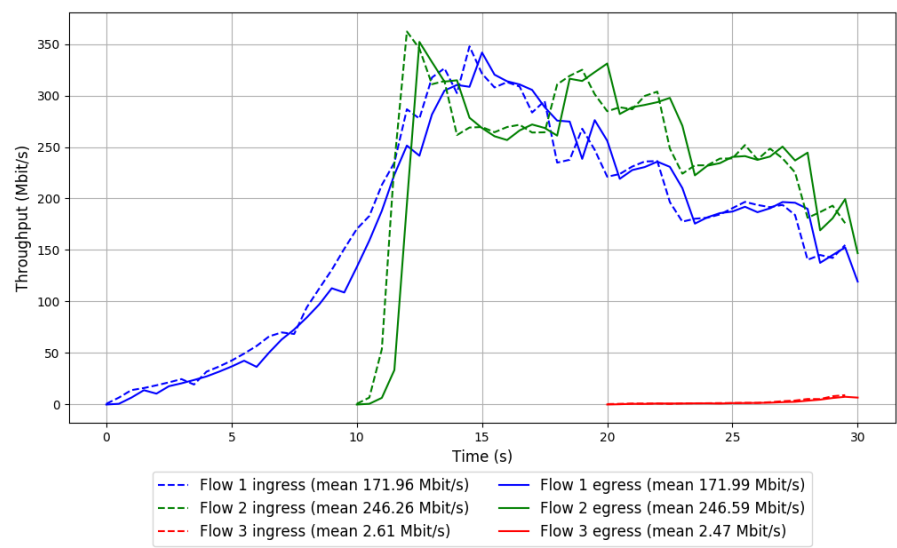


Run 1: Statistics of TCP Cubic

Start at: 2018-08-10 16:41:48
End at: 2018-08-10 16:42:18
Local clock offset: -0.23 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-10 21:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.57 Mbit/s
95th percentile per-packet one-way delay: 154.431 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 171.99 Mbit/s
95th percentile per-packet one-way delay: 155.082 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 246.59 Mbit/s
95th percentile per-packet one-way delay: 154.140 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 96.814 ms
Loss rate: 7.03%

Run 1: Report of TCP Cubic — Data Link

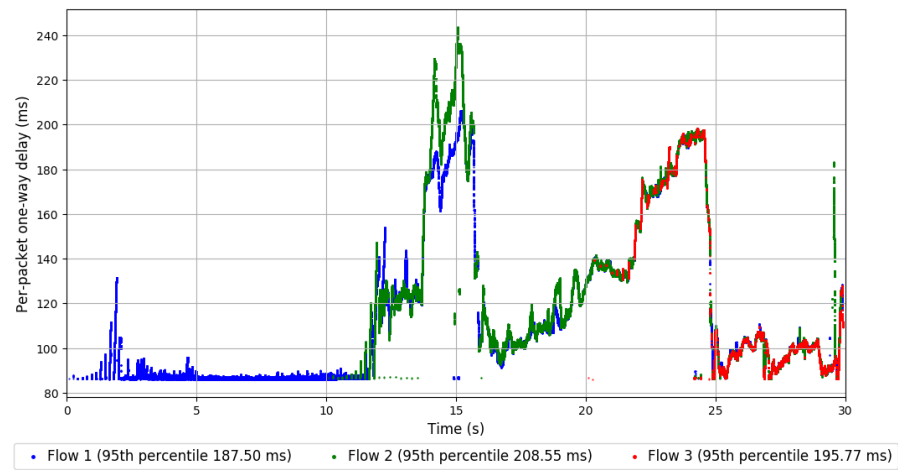
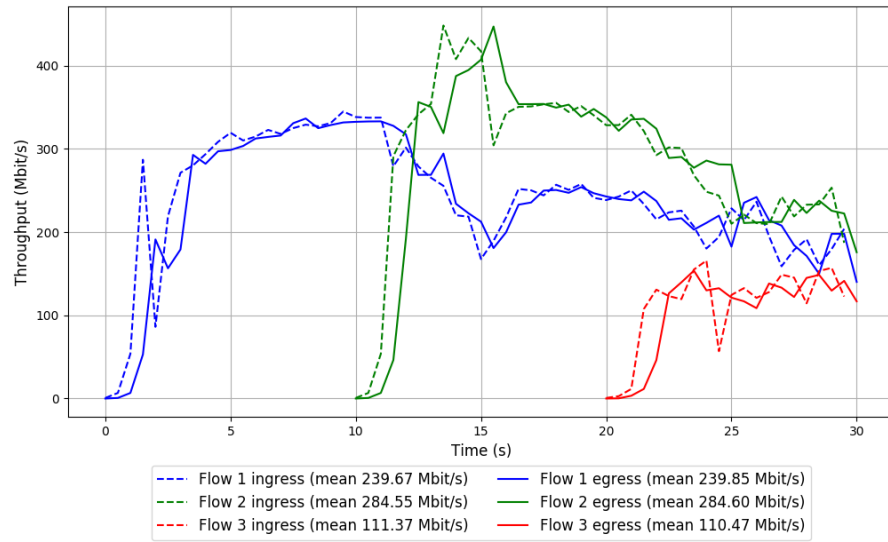


Run 2: Statistics of TCP Cubic

Start at: 2018-08-10 17:08:08
End at: 2018-08-10 17:08:38
Local clock offset: -0.1 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-10 21:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.11 Mbit/s
95th percentile per-packet one-way delay: 195.920 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 239.85 Mbit/s
95th percentile per-packet one-way delay: 187.505 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 284.60 Mbit/s
95th percentile per-packet one-way delay: 208.554 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 110.47 Mbit/s
95th percentile per-packet one-way delay: 195.770 ms
Loss rate: 2.53%

Run 2: Report of TCP Cubic — Data Link

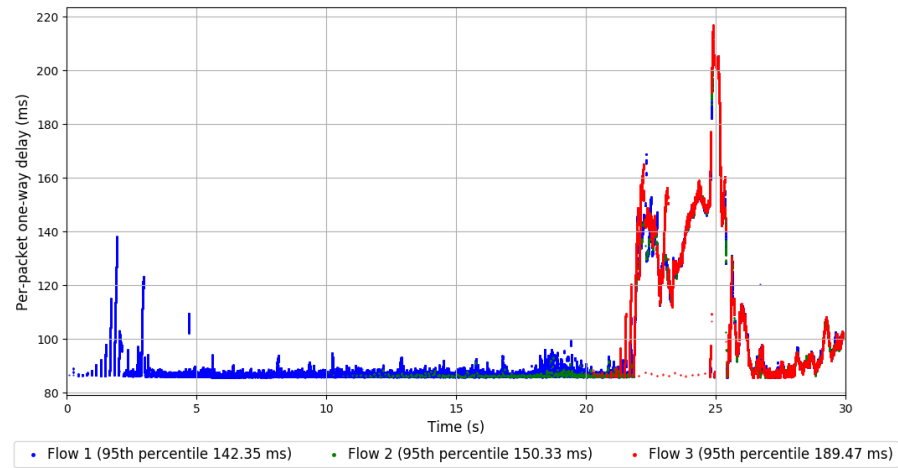
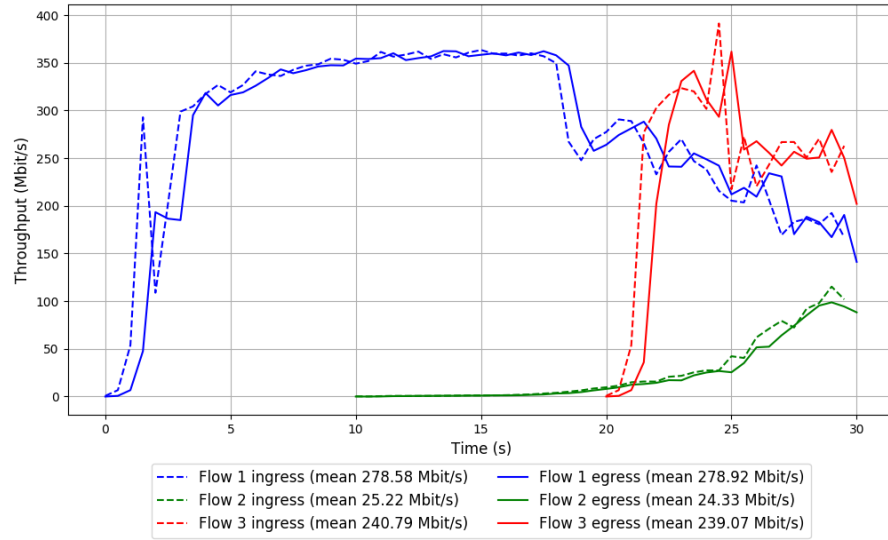


Run 3: Statistics of TCP Cubic

Start at: 2018-08-10 17:34:43
End at: 2018-08-10 17:35:13
Local clock offset: -0.198 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-10 21:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.65 Mbit/s
95th percentile per-packet one-way delay: 150.696 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 278.92 Mbit/s
95th percentile per-packet one-way delay: 142.353 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 150.328 ms
Loss rate: 4.40%
-- Flow 3:
Average throughput: 239.07 Mbit/s
95th percentile per-packet one-way delay: 189.467 ms
Loss rate: 2.44%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-10 18:00:46

End at: 2018-08-10 18:01:16

Local clock offset: -0.113 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-08-10 21:46:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 249.01 Mbit/s

95th percentile per-packet one-way delay: 97.013 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 239.98 Mbit/s

95th percentile per-packet one-way delay: 97.254 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 89.658 ms

Loss rate: 2.07%

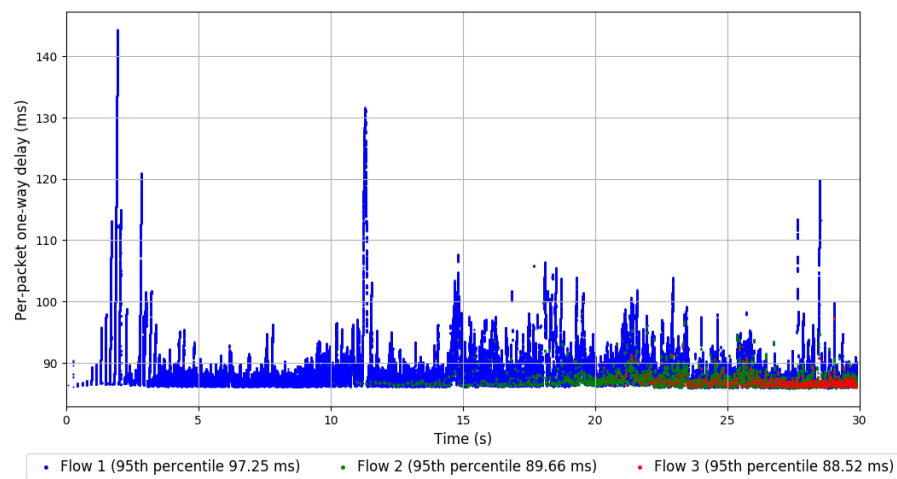
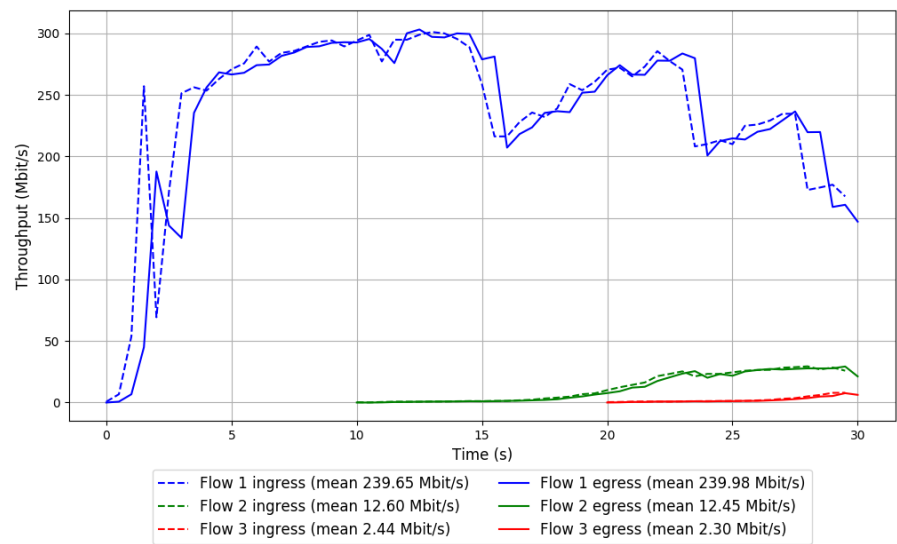
-- Flow 3:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 88.517 ms

Loss rate: 7.41%

Run 4: Report of TCP Cubic — Data Link

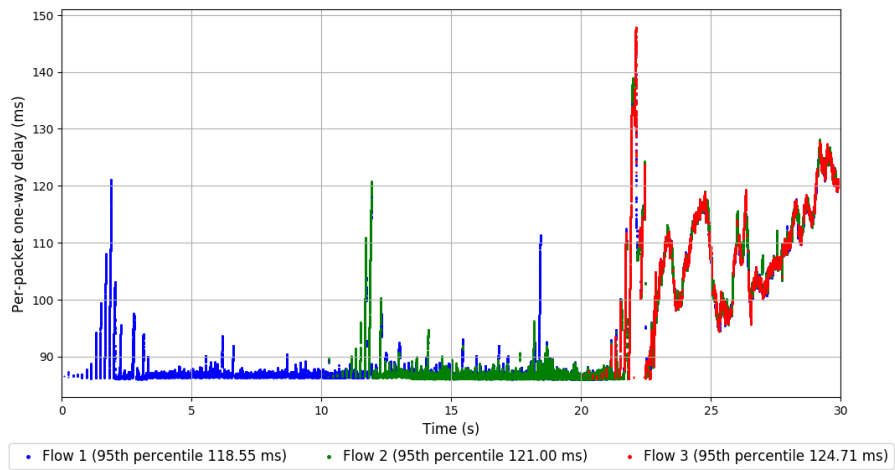
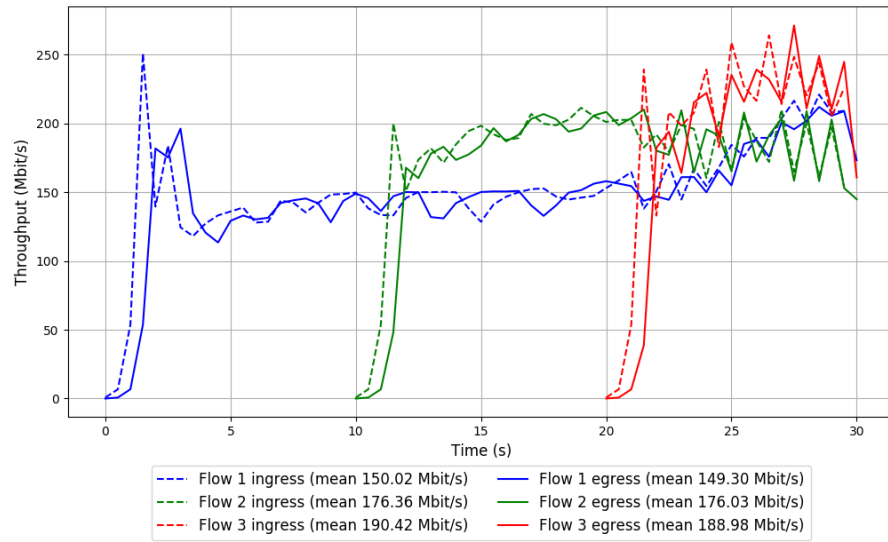


Run 5: Statistics of TCP Cubic

Start at: 2018-08-10 18:27:05
End at: 2018-08-10 18:27:35
Local clock offset: 0.914 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-10 21:48:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.30 Mbit/s
95th percentile per-packet one-way delay: 122.086 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 149.30 Mbit/s
95th percentile per-packet one-way delay: 118.546 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 176.03 Mbit/s
95th percentile per-packet one-way delay: 121.000 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 188.98 Mbit/s
95th percentile per-packet one-way delay: 124.710 ms
Loss rate: 2.48%

Run 5: Report of TCP Cubic — Data Link

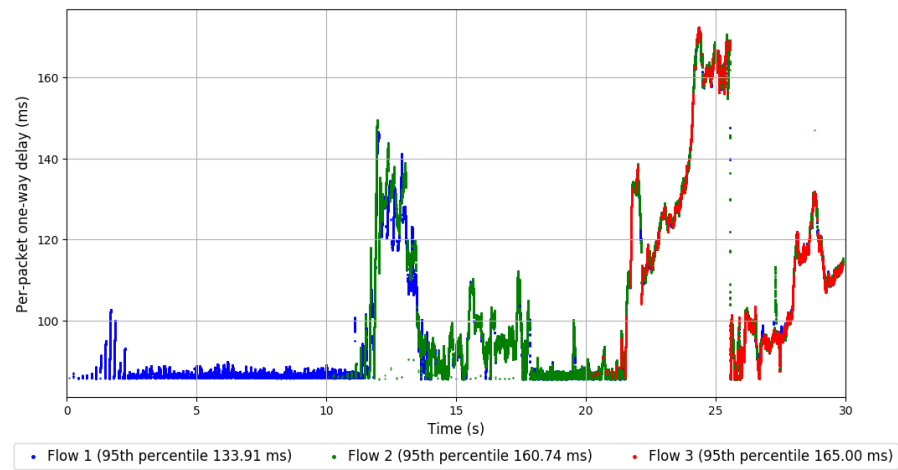
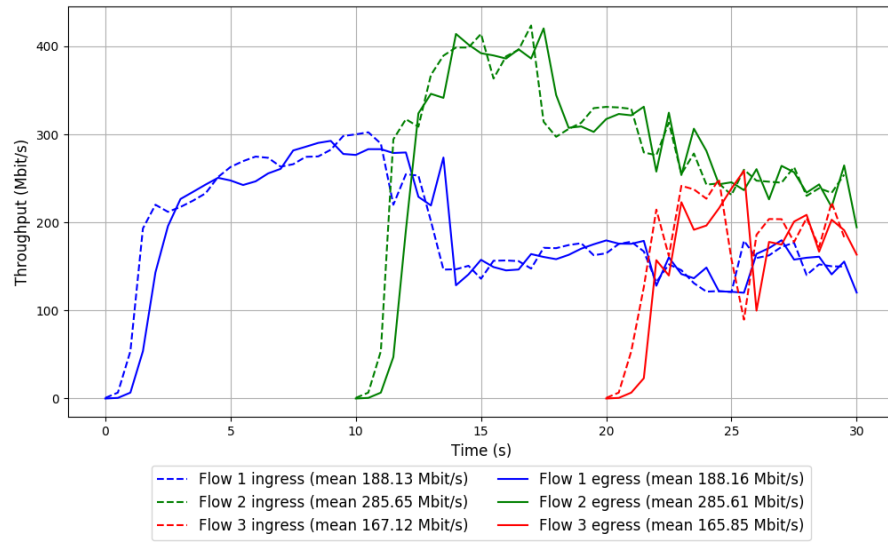


Run 6: Statistics of TCP Cubic

Start at: 2018-08-10 18:53:36
End at: 2018-08-10 18:54:06
Local clock offset: 0.028 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-10 21:50:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 432.18 Mbit/s
95th percentile per-packet one-way delay: 160.555 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 188.16 Mbit/s
95th percentile per-packet one-way delay: 133.905 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 285.61 Mbit/s
95th percentile per-packet one-way delay: 160.737 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 165.85 Mbit/s
95th percentile per-packet one-way delay: 165.004 ms
Loss rate: 2.49%

Run 6: Report of TCP Cubic — Data Link

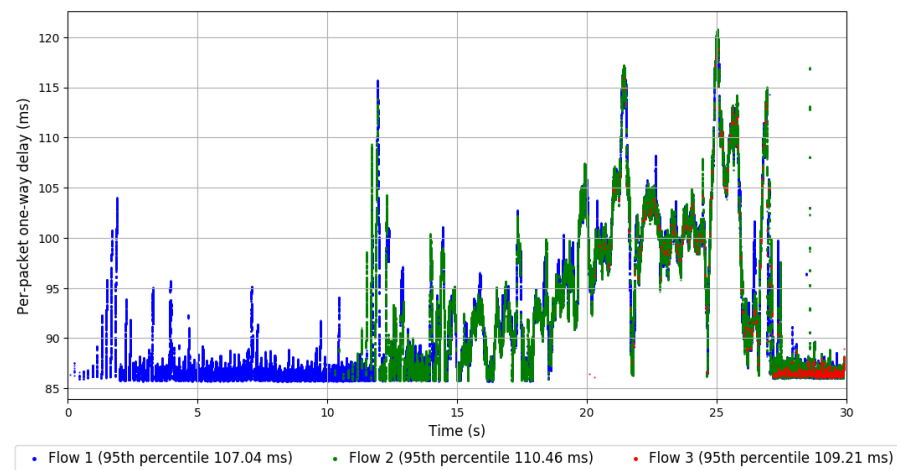
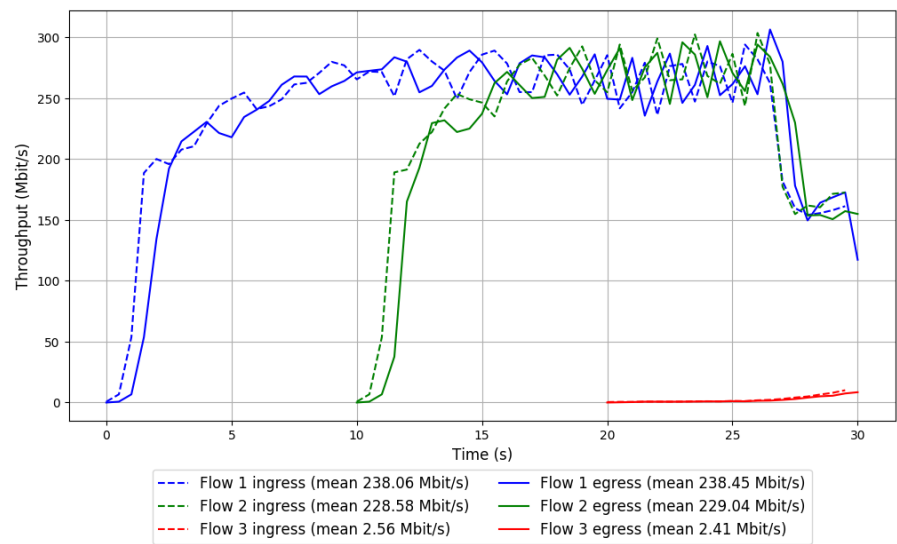


Run 7: Statistics of TCP Cubic

Start at: 2018-08-10 19:19:57
End at: 2018-08-10 19:20:27
Local clock offset: 0.089 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-08-10 21:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.20 Mbit/s
95th percentile per-packet one-way delay: 108.937 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 238.45 Mbit/s
95th percentile per-packet one-way delay: 107.037 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 229.04 Mbit/s
95th percentile per-packet one-way delay: 110.464 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 109.207 ms
Loss rate: 7.40%

Run 7: Report of TCP Cubic — Data Link

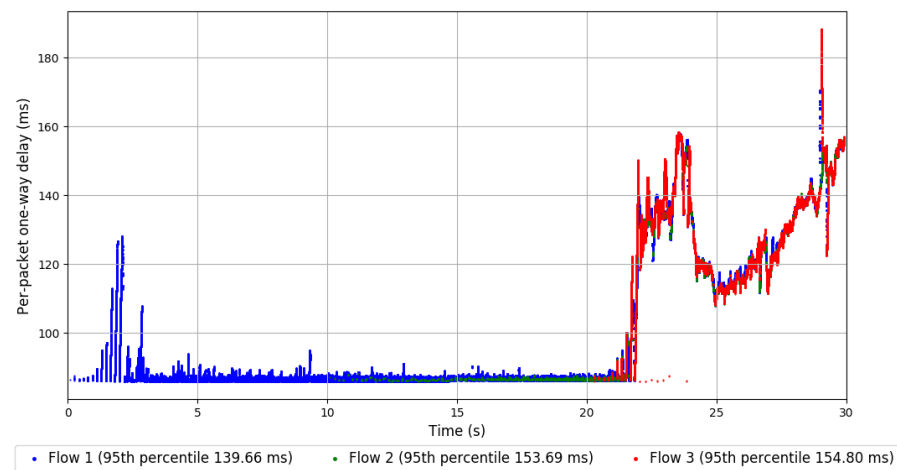
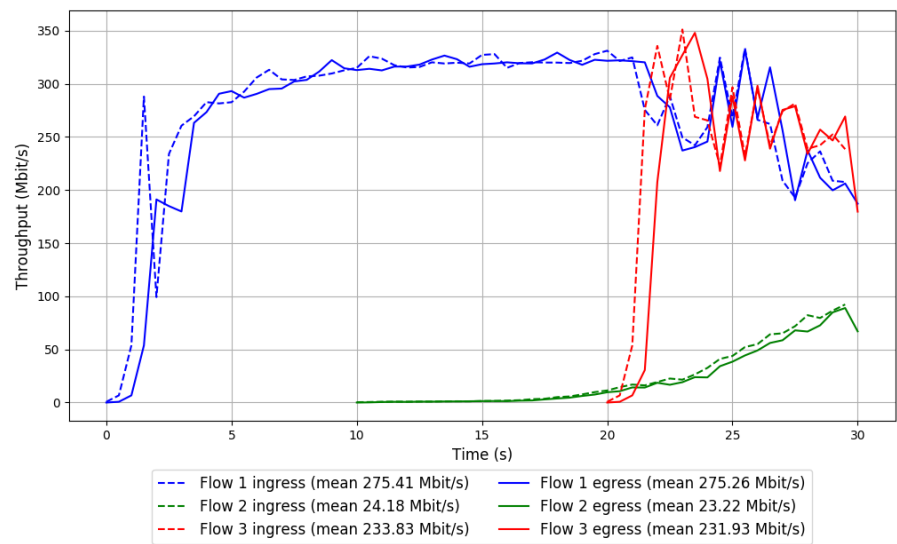


Run 8: Statistics of TCP Cubic

Start at: 2018-08-10 19:46:24
End at: 2018-08-10 19:46:54
Local clock offset: 0.173 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-08-10 21:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.76 Mbit/s
95th percentile per-packet one-way delay: 149.407 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 275.26 Mbit/s
95th percentile per-packet one-way delay: 139.655 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 153.687 ms
Loss rate: 4.81%
-- Flow 3:
Average throughput: 231.93 Mbit/s
95th percentile per-packet one-way delay: 154.796 ms
Loss rate: 2.53%

Run 8: Report of TCP Cubic — Data Link

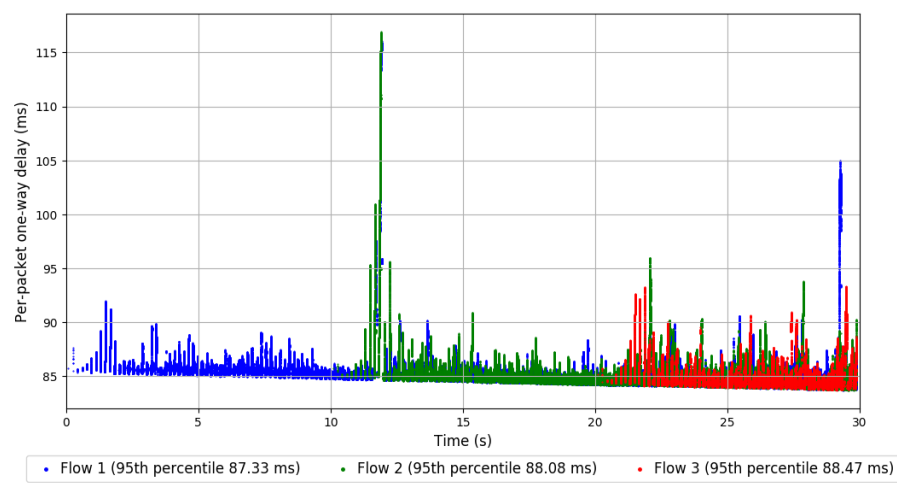
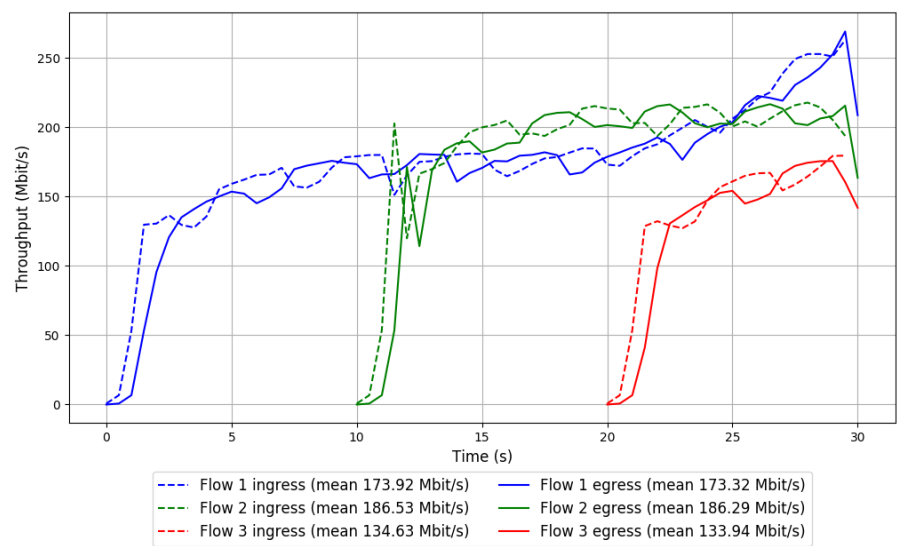


Run 9: Statistics of TCP Cubic

Start at: 2018-08-10 20:13:03
End at: 2018-08-10 20:13:33
Local clock offset: 0.052 ms
Remote clock offset: -20.036 ms

Below is generated by plot.py at 2018-08-10 21:51:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.06 Mbit/s
95th percentile per-packet one-way delay: 87.724 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 173.32 Mbit/s
95th percentile per-packet one-way delay: 87.326 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 186.29 Mbit/s
95th percentile per-packet one-way delay: 88.081 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 133.94 Mbit/s
95th percentile per-packet one-way delay: 88.468 ms
Loss rate: 2.24%

Run 9: Report of TCP Cubic — Data Link

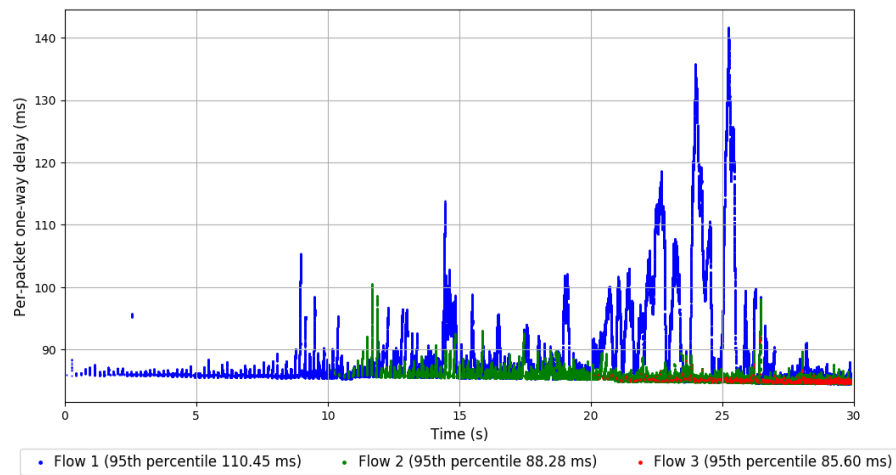
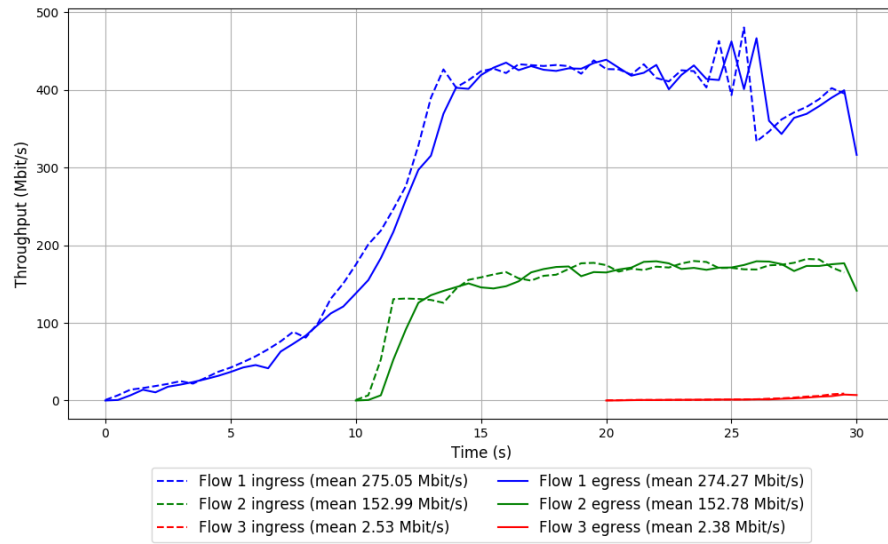


Run 10: Statistics of TCP Cubic

Start at: 2018-08-10 20:40:02
End at: 2018-08-10 20:40:32
Local clock offset: 0.015 ms
Remote clock offset: -66.825 ms

Below is generated by plot.py at 2018-08-10 21:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.53 Mbit/s
95th percentile per-packet one-way delay: 105.711 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 274.27 Mbit/s
95th percentile per-packet one-way delay: 110.452 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 152.78 Mbit/s
95th percentile per-packet one-way delay: 88.280 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 85.603 ms
Loss rate: 7.31%

Run 10: Report of TCP Cubic — Data Link

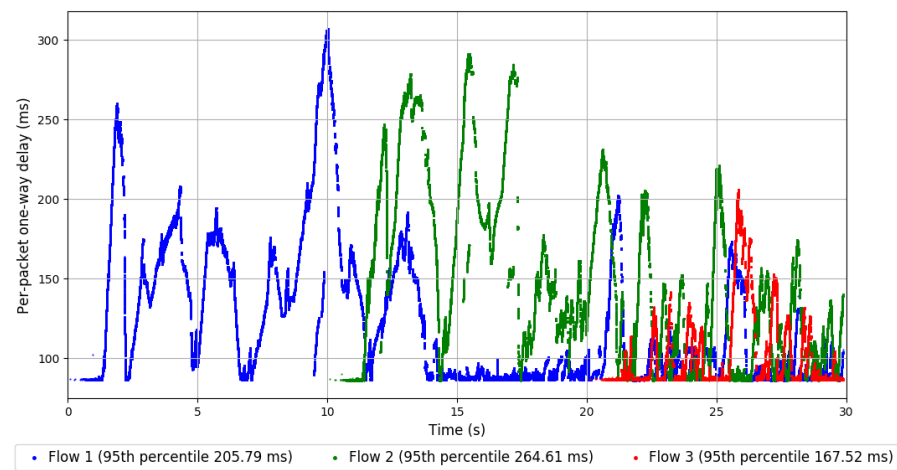
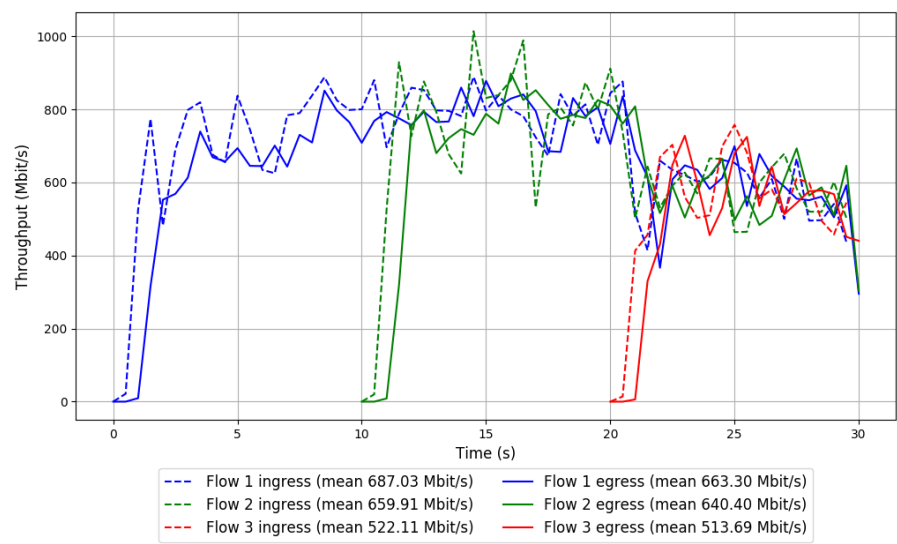


Run 1: Statistics of FillP

Start at: 2018-08-10 16:38:18
End at: 2018-08-10 16:38:48
Local clock offset: -0.096 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-10 22:17:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 1255.95 Mbit/s
95th percentile per-packet one-way delay: 243.613 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 663.30 Mbit/s
95th percentile per-packet one-way delay: 205.789 ms
Loss rate: 3.99%
-- Flow 2:
Average throughput: 640.40 Mbit/s
95th percentile per-packet one-way delay: 264.614 ms
Loss rate: 3.80%
-- Flow 3:
Average throughput: 513.69 Mbit/s
95th percentile per-packet one-way delay: 167.520 ms
Loss rate: 3.35%

Run 1: Report of FillP — Data Link

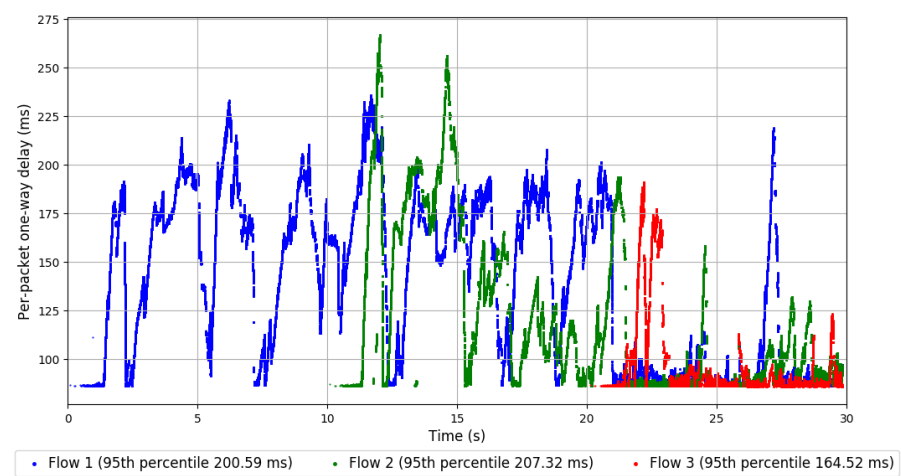
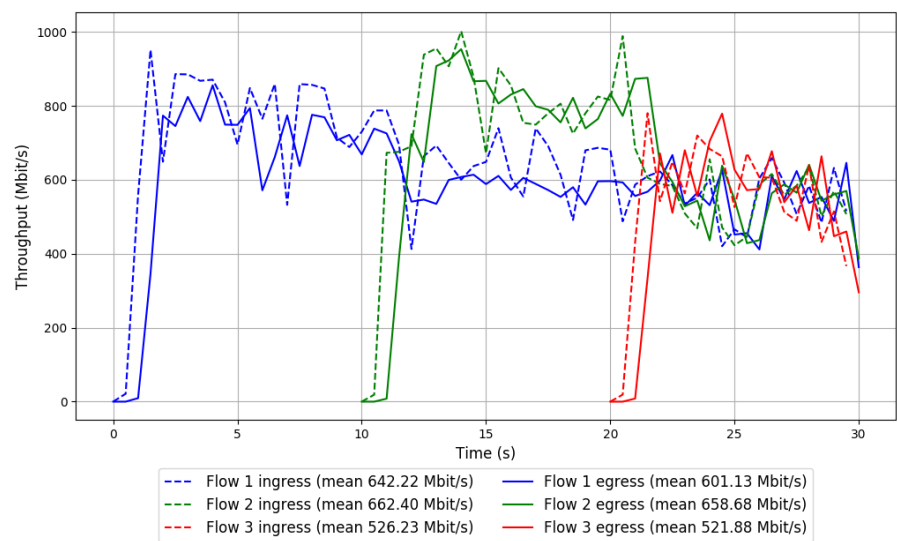


Run 2: Statistics of FillP

Start at: 2018-08-10 17:04:42
End at: 2018-08-10 17:05:12
Local clock offset: -0.181 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-10 22:17:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 1208.77 Mbit/s
95th percentile per-packet one-way delay: 201.018 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 601.13 Mbit/s
95th percentile per-packet one-way delay: 200.585 ms
Loss rate: 6.94%
-- Flow 2:
Average throughput: 658.68 Mbit/s
95th percentile per-packet one-way delay: 207.322 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 521.88 Mbit/s
95th percentile per-packet one-way delay: 164.518 ms
Loss rate: 2.57%

Run 2: Report of FillP — Data Link

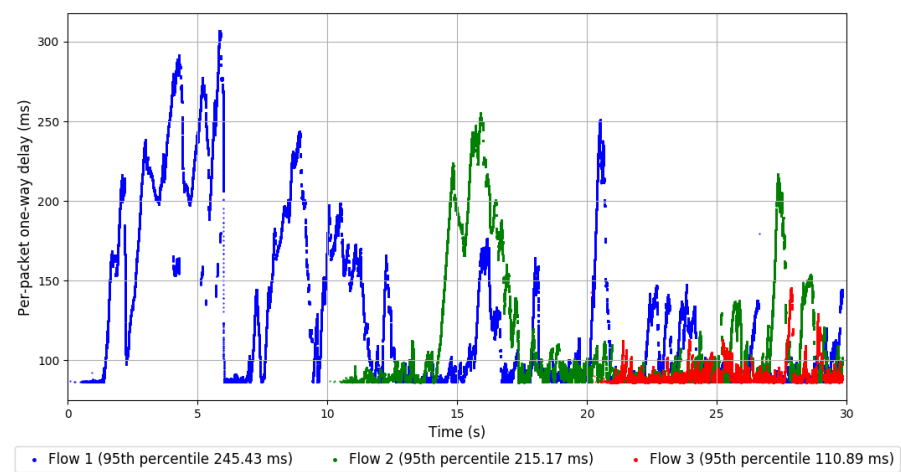
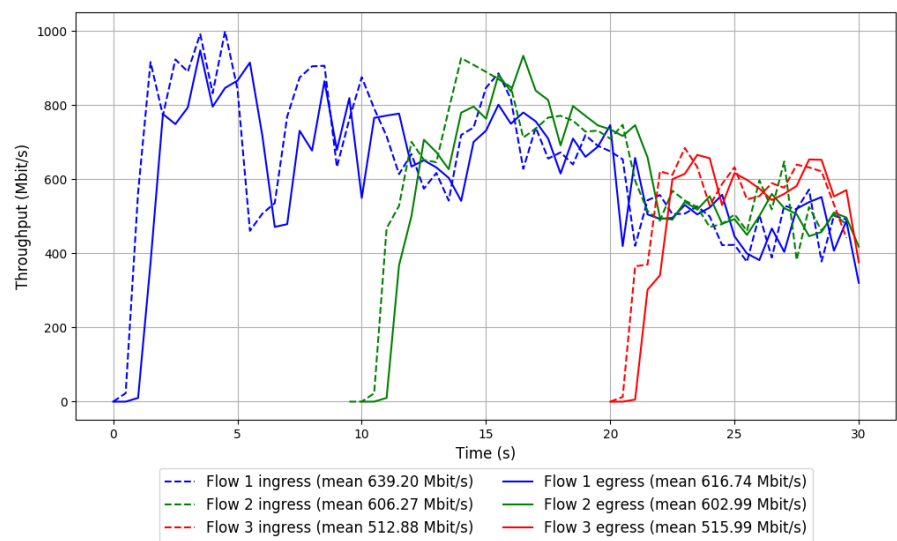


Run 3: Statistics of FillP

Start at: 2018-08-10 17:31:22
End at: 2018-08-10 17:31:52
Local clock offset: -0.202 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-08-10 22:17:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1185.20 Mbit/s
95th percentile per-packet one-way delay: 231.074 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 616.74 Mbit/s
95th percentile per-packet one-way delay: 245.429 ms
Loss rate: 4.06%
-- Flow 2:
Average throughput: 602.99 Mbit/s
95th percentile per-packet one-way delay: 215.174 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 515.99 Mbit/s
95th percentile per-packet one-way delay: 110.894 ms
Loss rate: 1.79%

Run 3: Report of FillP — Data Link

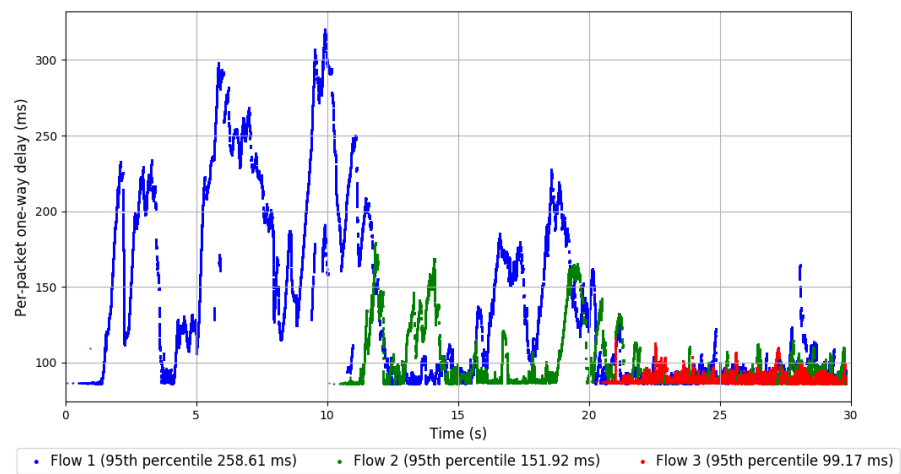
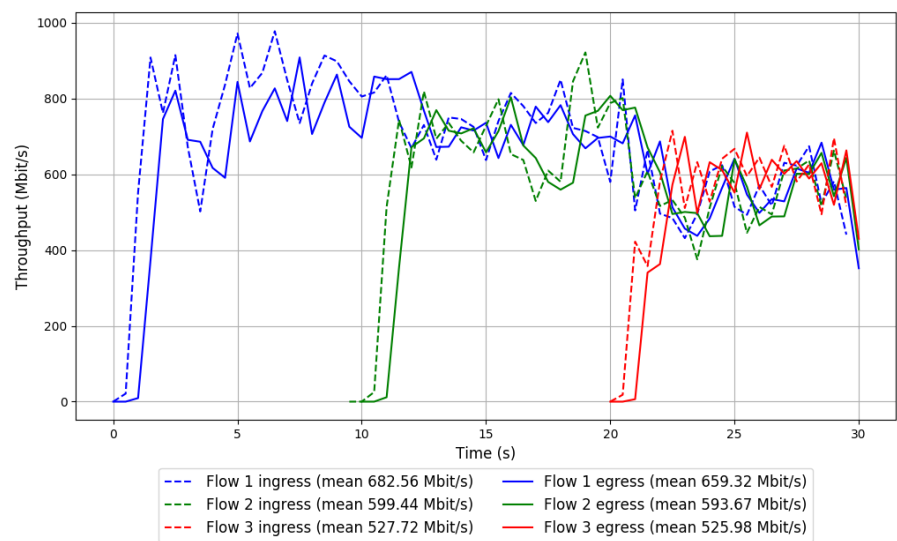


Run 4: Statistics of FillP

Start at: 2018-08-10 17:57:23
End at: 2018-08-10 17:57:53
Local clock offset: -0.035 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-08-10 22:20:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 1225.85 Mbit/s
95th percentile per-packet one-way delay: 237.063 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 659.32 Mbit/s
95th percentile per-packet one-way delay: 258.607 ms
Loss rate: 3.97%
-- Flow 2:
Average throughput: 593.67 Mbit/s
95th percentile per-packet one-way delay: 151.917 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 525.98 Mbit/s
95th percentile per-packet one-way delay: 99.173 ms
Loss rate: 2.08%

Run 4: Report of FillP — Data Link

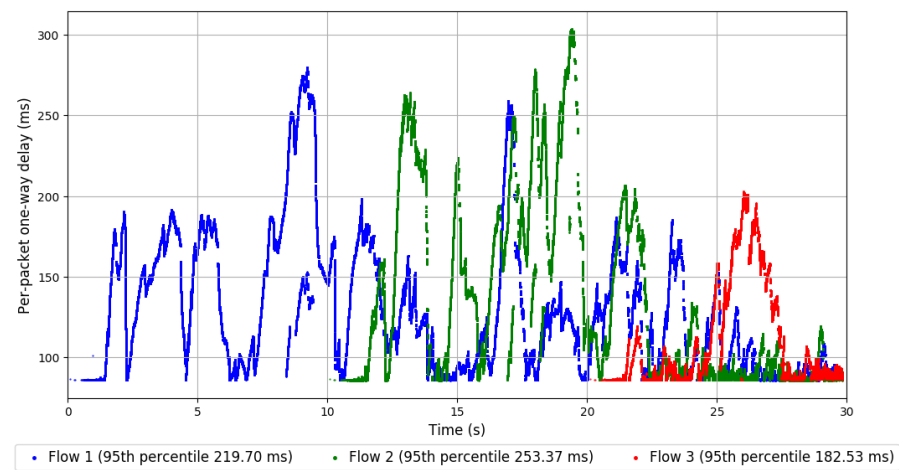
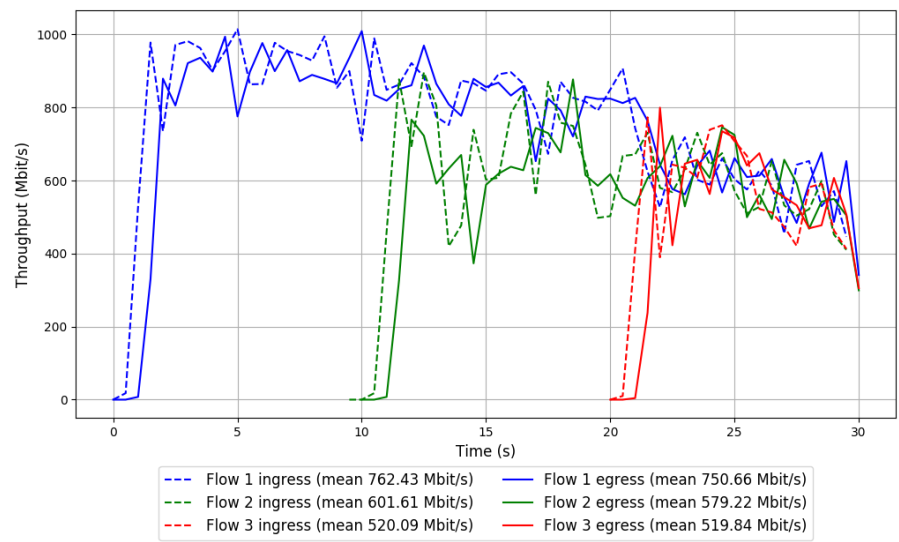


Run 5: Statistics of FillP

Start at: 2018-08-10 18:23:32
End at: 2018-08-10 18:24:02
Local clock offset: 0.683 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-08-10 22:22:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1305.33 Mbit/s
95th percentile per-packet one-way delay: 238.818 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 750.66 Mbit/s
95th percentile per-packet one-way delay: 219.701 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 579.22 Mbit/s
95th percentile per-packet one-way delay: 253.365 ms
Loss rate: 4.56%
-- Flow 3:
Average throughput: 519.84 Mbit/s
95th percentile per-packet one-way delay: 182.527 ms
Loss rate: 1.79%

Run 5: Report of FillP — Data Link

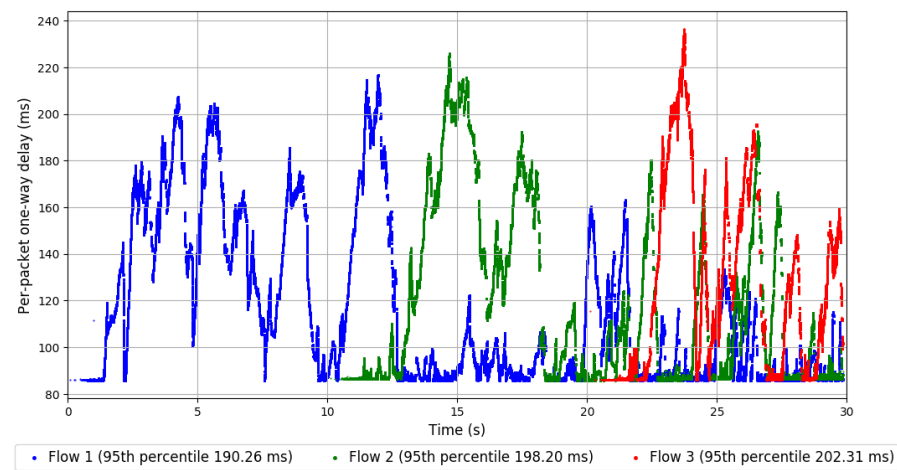
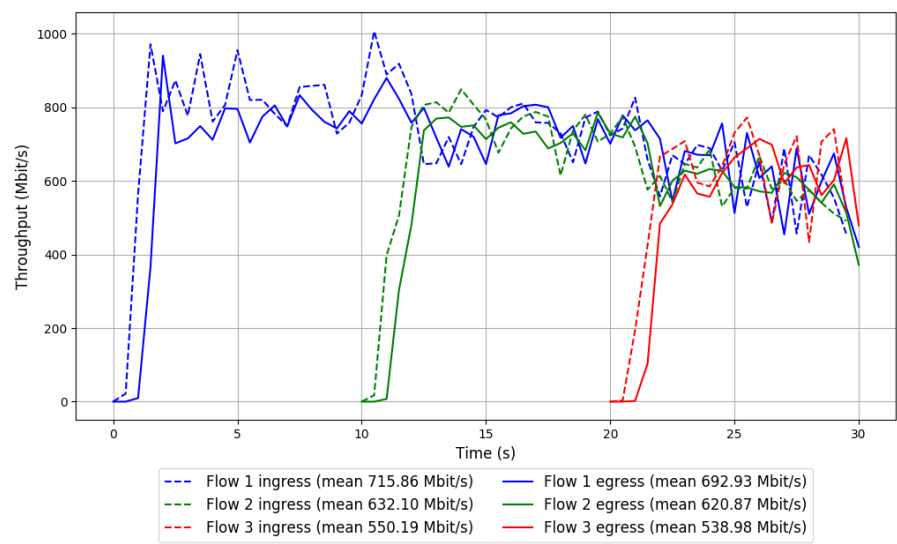


Run 6: Statistics of FillP

Start at: 2018-08-10 18:50:04
End at: 2018-08-10 18:50:34
Local clock offset: 0.141 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-10 22:22:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1280.66 Mbit/s
95th percentile per-packet one-way delay: 195.481 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 692.93 Mbit/s
95th percentile per-packet one-way delay: 190.262 ms
Loss rate: 3.73%
-- Flow 2:
Average throughput: 620.87 Mbit/s
95th percentile per-packet one-way delay: 198.198 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 538.98 Mbit/s
95th percentile per-packet one-way delay: 202.305 ms
Loss rate: 4.03%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-10 19:16:31

End at: 2018-08-10 19:17:01

Local clock offset: 0.238 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-08-10 22:23:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1293.53 Mbit/s

95th percentile per-packet one-way delay: 228.961 ms

Loss rate: 3.27%

-- Flow 1:

Average throughput: 680.47 Mbit/s

95th percentile per-packet one-way delay: 266.992 ms

Loss rate: 4.74%

-- Flow 2:

Average throughput: 653.45 Mbit/s

95th percentile per-packet one-way delay: 177.354 ms

Loss rate: 1.62%

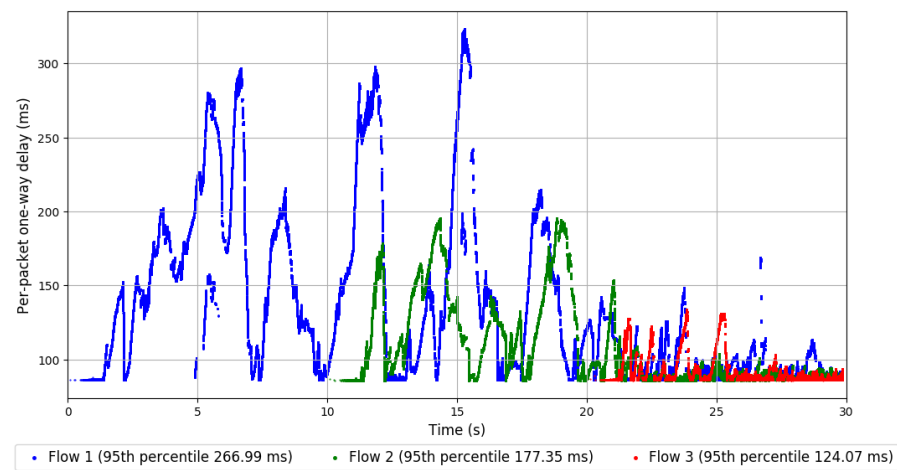
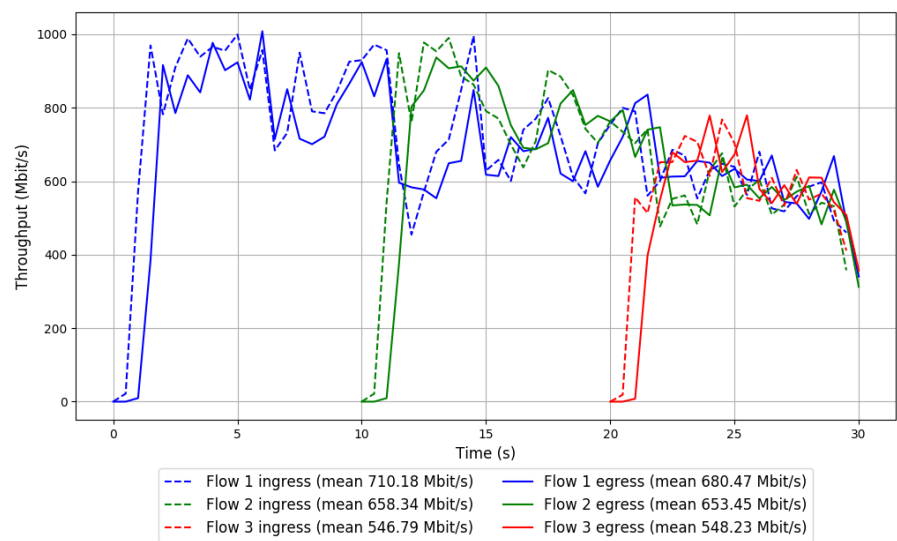
-- Flow 3:

Average throughput: 548.23 Mbit/s

95th percentile per-packet one-way delay: 124.069 ms

Loss rate: 1.45%

Run 7: Report of FillP — Data Link

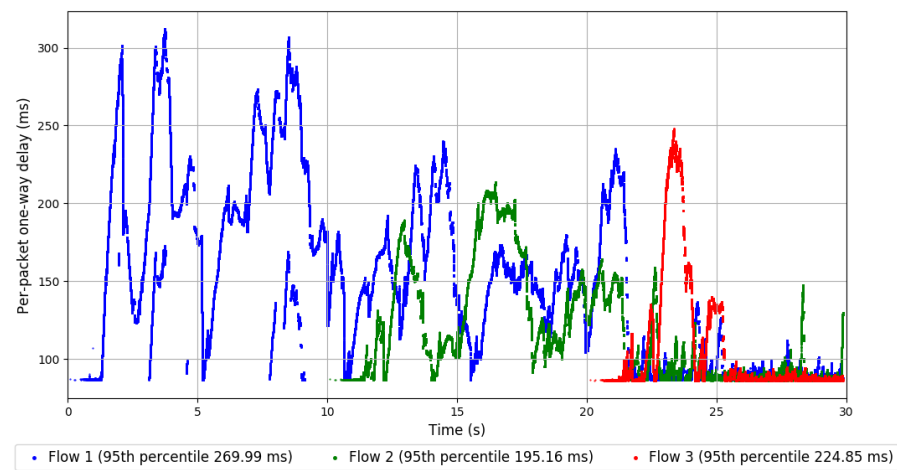
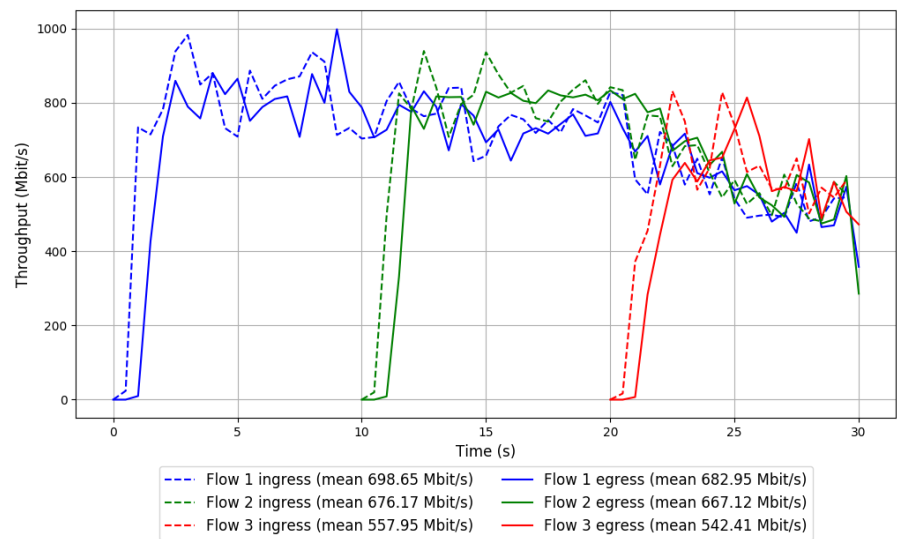


Run 8: Statistics of FillP

Start at: 2018-08-10 19:42:53
End at: 2018-08-10 19:43:23
Local clock offset: 0.474 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-08-10 22:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1302.94 Mbit/s
95th percentile per-packet one-way delay: 244.511 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 682.95 Mbit/s
95th percentile per-packet one-way delay: 269.994 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 667.12 Mbit/s
95th percentile per-packet one-way delay: 195.156 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 542.41 Mbit/s
95th percentile per-packet one-way delay: 224.846 ms
Loss rate: 4.47%

Run 8: Report of FillP — Data Link

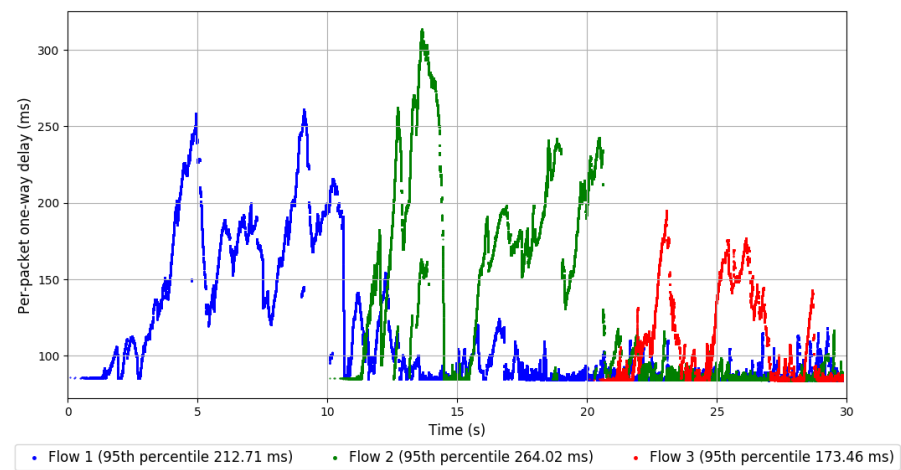
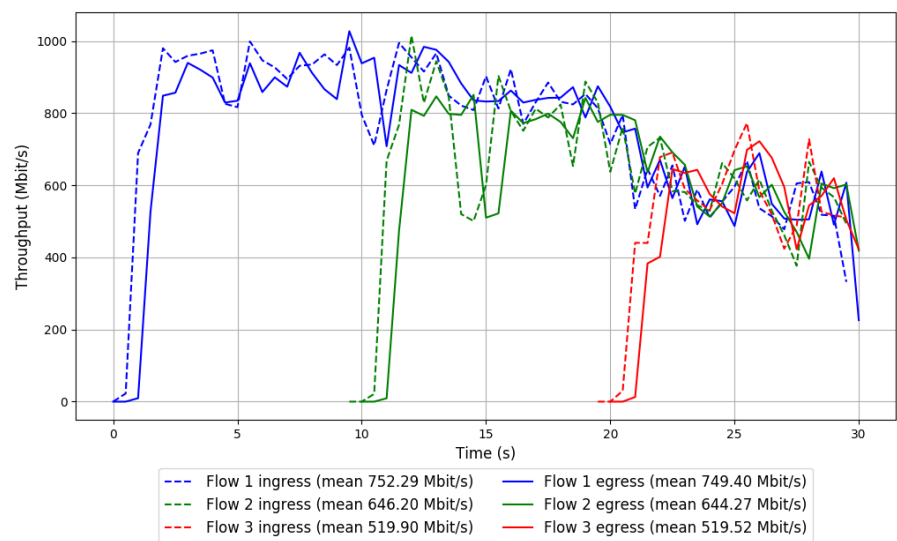


Run 9: Statistics of FillP

Start at: 2018-08-10 20:09:34
End at: 2018-08-10 20:10:04
Local clock offset: 0.007 ms
Remote clock offset: -8.433 ms

Below is generated by plot.py at 2018-08-10 22:49:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1347.46 Mbit/s
95th percentile per-packet one-way delay: 229.746 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 749.40 Mbit/s
95th percentile per-packet one-way delay: 212.708 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 644.27 Mbit/s
95th percentile per-packet one-way delay: 264.023 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 519.52 Mbit/s
95th percentile per-packet one-way delay: 173.459 ms
Loss rate: 1.87%

Run 9: Report of FillP — Data Link

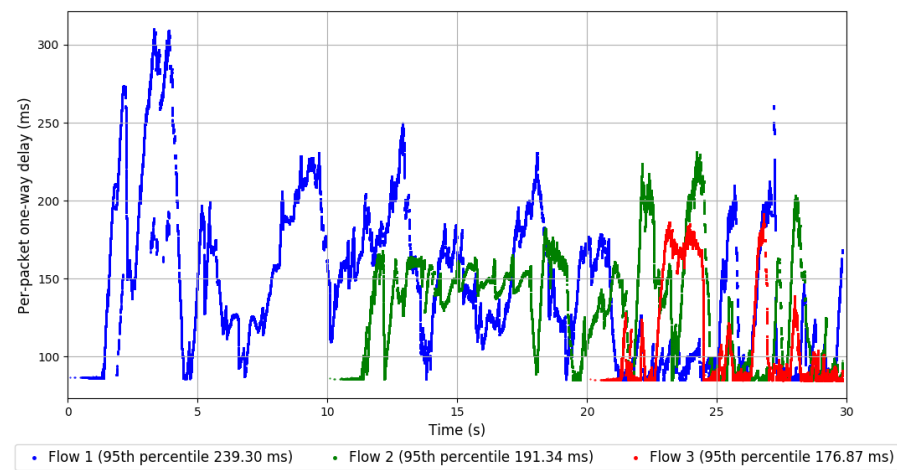
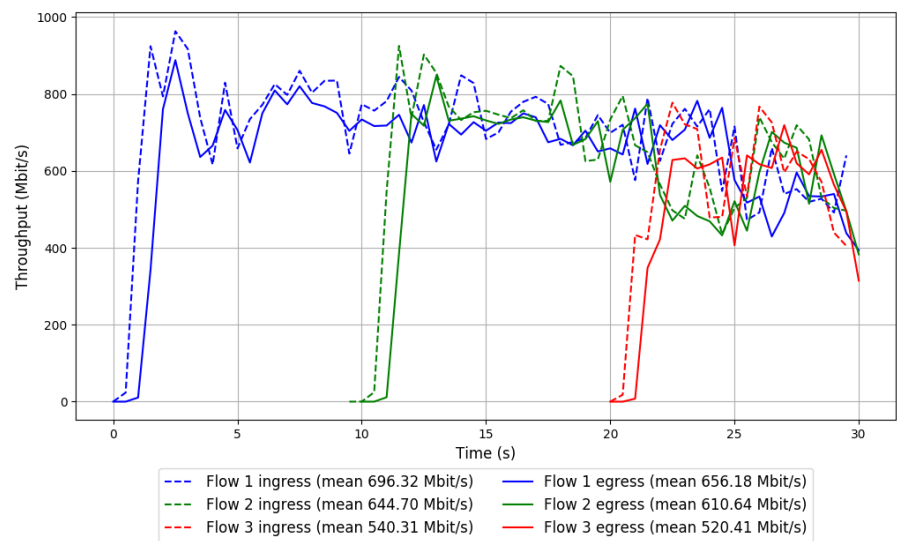


Run 10: Statistics of FillP

Start at: 2018-08-10 20:36:32
End at: 2018-08-10 20:37:02
Local clock offset: 0.22 ms
Remote clock offset: -57.948 ms

Below is generated by plot.py at 2018-08-10 22:49:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1231.83 Mbit/s
95th percentile per-packet one-way delay: 213.282 ms
Loss rate: 6.12%
-- Flow 1:
Average throughput: 656.18 Mbit/s
95th percentile per-packet one-way delay: 239.302 ms
Loss rate: 6.31%
-- Flow 2:
Average throughput: 610.64 Mbit/s
95th percentile per-packet one-way delay: 191.342 ms
Loss rate: 6.10%
-- Flow 3:
Average throughput: 520.41 Mbit/s
95th percentile per-packet one-way delay: 176.870 ms
Loss rate: 5.37%

Run 10: Report of FillP — Data Link

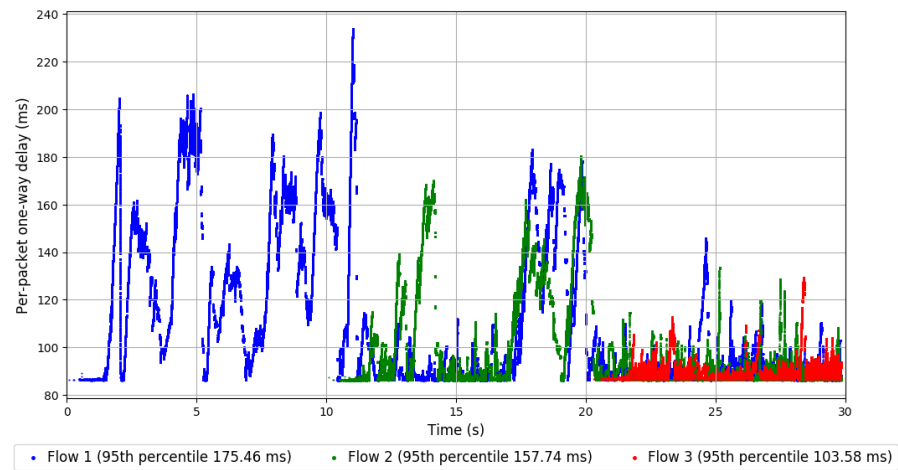
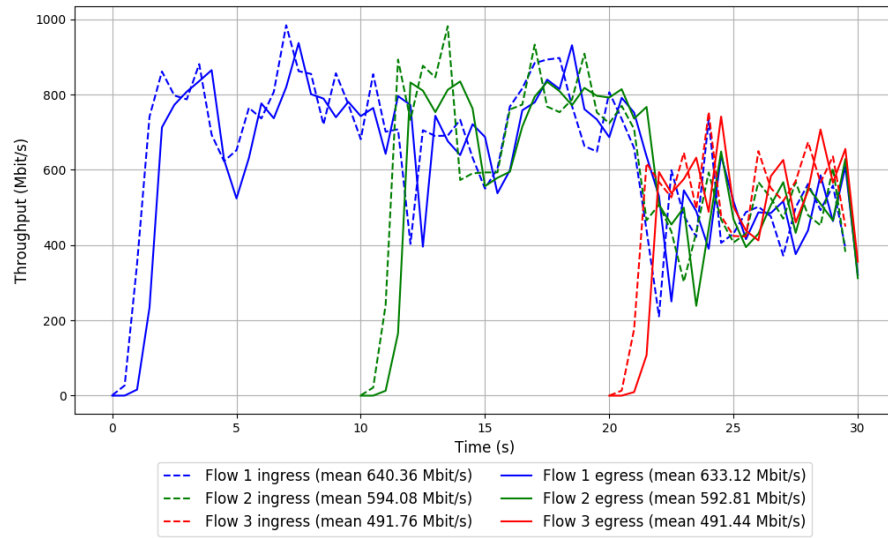


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-10 16:46:21
End at: 2018-08-10 16:46:51
Local clock offset: 0.021 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-10 22:49:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1186.78 Mbit/s
95th percentile per-packet one-way delay: 165.857 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 633.12 Mbit/s
95th percentile per-packet one-way delay: 175.463 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 592.81 Mbit/s
95th percentile per-packet one-way delay: 157.735 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 491.44 Mbit/s
95th percentile per-packet one-way delay: 103.583 ms
Loss rate: 2.03%

Run 1: Report of FillP-Sheep — Data Link

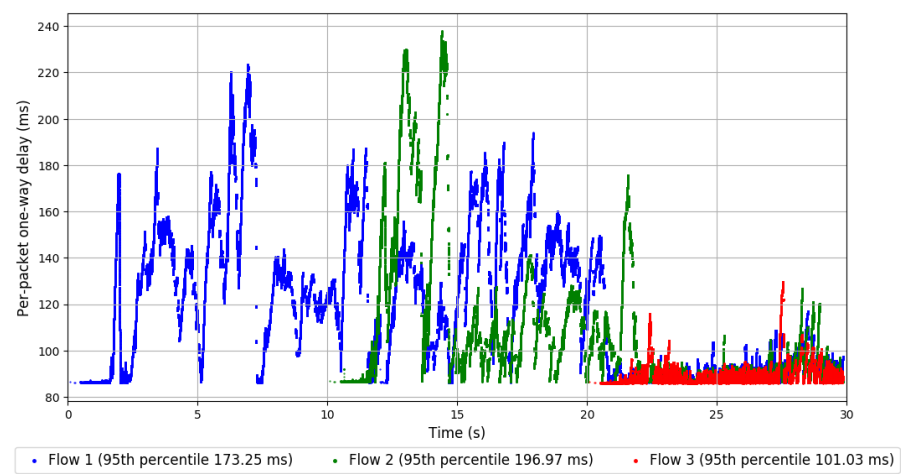
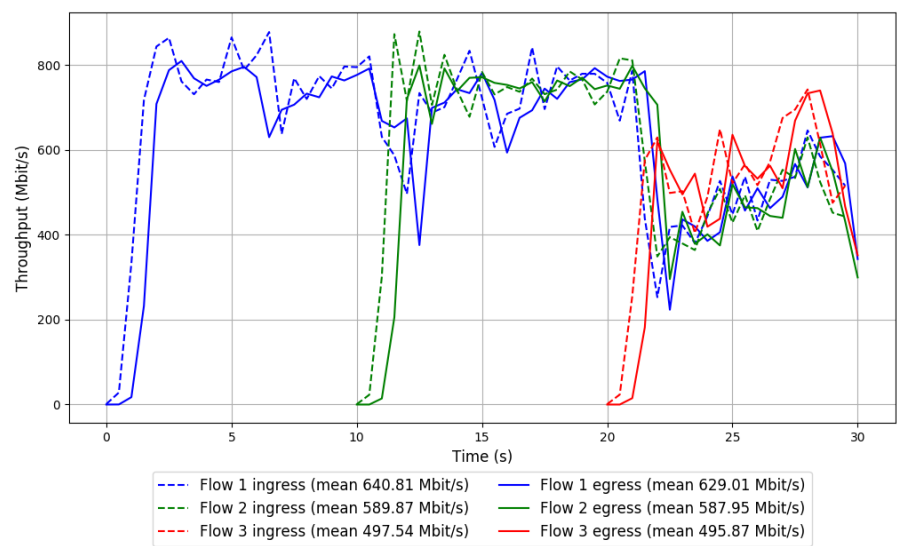


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-10 17:12:45
End at: 2018-08-10 17:13:15
Local clock offset: -0.12 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-10 22:49:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1181.78 Mbit/s
95th percentile per-packet one-way delay: 175.854 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 629.01 Mbit/s
95th percentile per-packet one-way delay: 173.255 ms
Loss rate: 2.57%
-- Flow 2:
Average throughput: 587.95 Mbit/s
95th percentile per-packet one-way delay: 196.966 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 495.87 Mbit/s
95th percentile per-packet one-way delay: 101.034 ms
Loss rate: 2.57%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-10 17:39:13

End at: 2018-08-10 17:39:43

Local clock offset: -0.14 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-08-10 22:49:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 1084.81 Mbit/s

95th percentile per-packet one-way delay: 157.229 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 602.07 Mbit/s

95th percentile per-packet one-way delay: 172.579 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 505.94 Mbit/s

95th percentile per-packet one-way delay: 134.127 ms

Loss rate: 0.76%

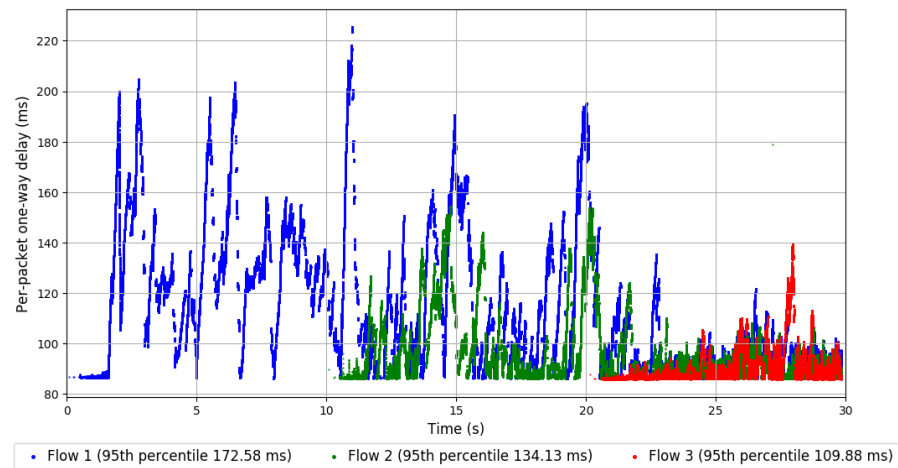
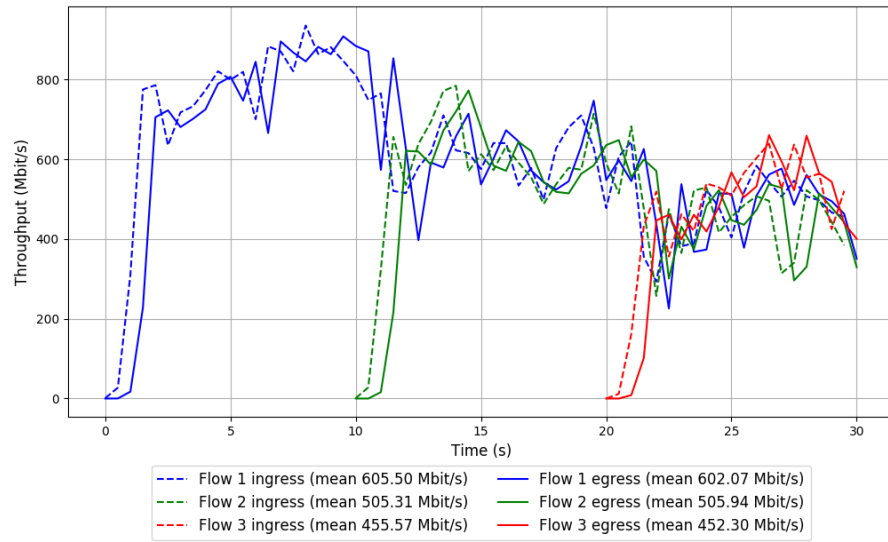
-- Flow 3:

Average throughput: 452.30 Mbit/s

95th percentile per-packet one-way delay: 109.880 ms

Loss rate: 2.32%

Run 3: Report of FillP-Sheep — Data Link

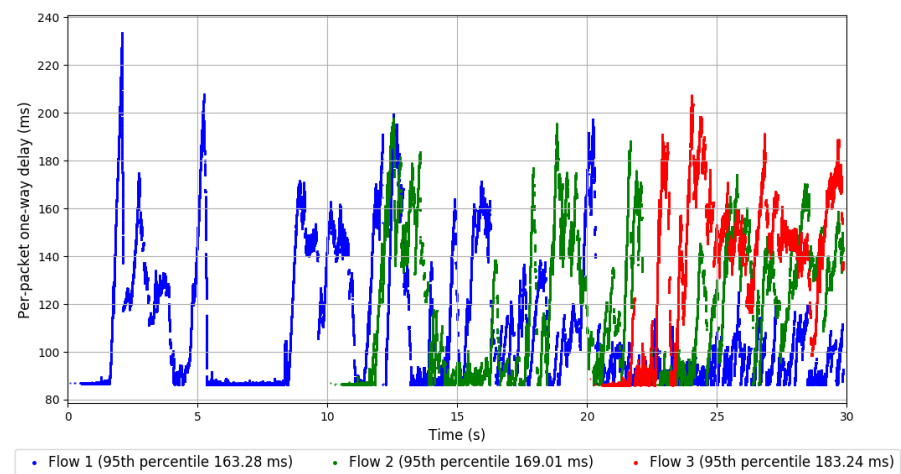
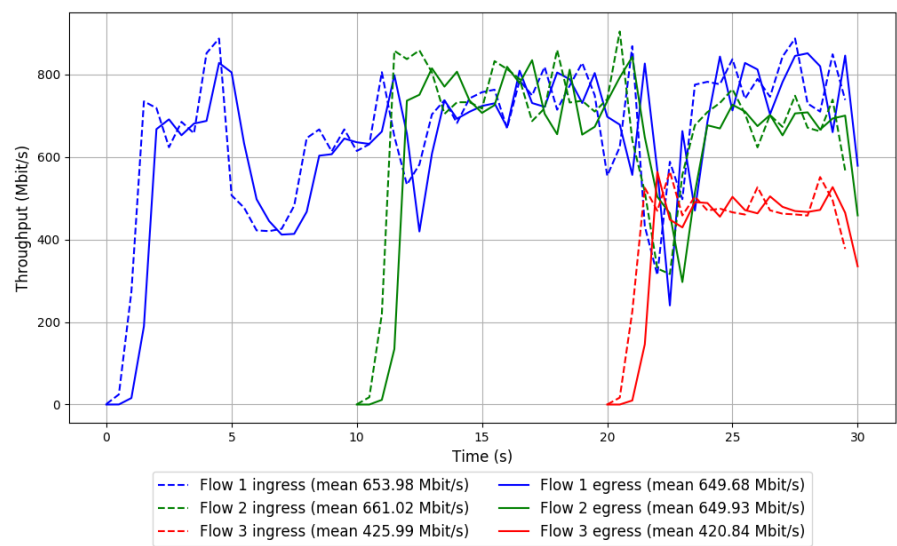


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-10 18:05:06
End at: 2018-08-10 18:05:36
Local clock offset: 0.17 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-10 22:52:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1218.40 Mbit/s
95th percentile per-packet one-way delay: 169.974 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 649.68 Mbit/s
95th percentile per-packet one-way delay: 163.283 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 649.93 Mbit/s
95th percentile per-packet one-way delay: 169.009 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 420.84 Mbit/s
95th percentile per-packet one-way delay: 183.240 ms
Loss rate: 2.96%

Run 4: Report of FillP-Sheep — Data Link

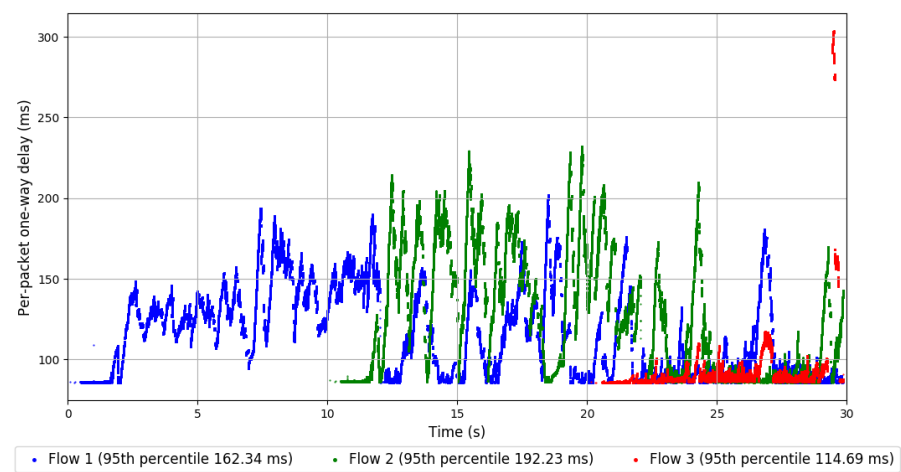
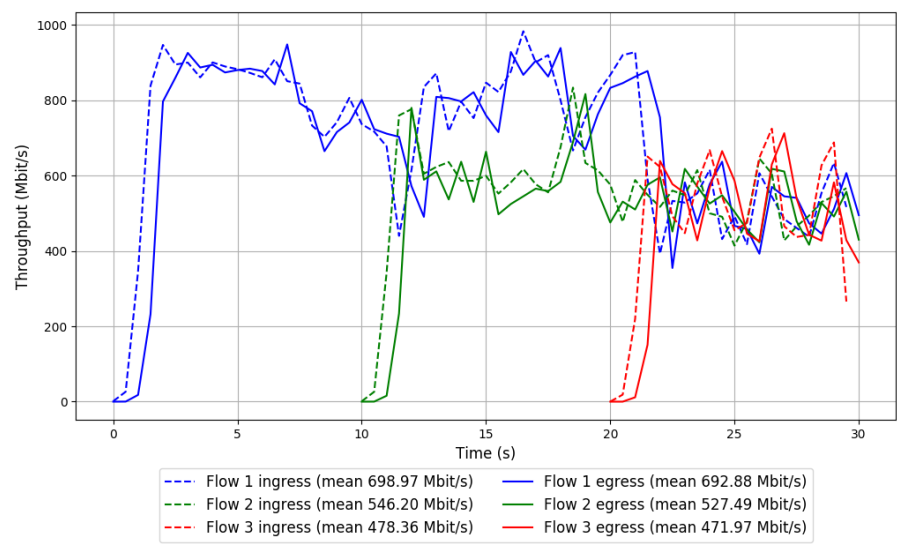


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-10 18:31:35
End at: 2018-08-10 18:32:05
Local clock offset: 0.687 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-10 22:52:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1196.99 Mbit/s
95th percentile per-packet one-way delay: 175.159 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 692.88 Mbit/s
95th percentile per-packet one-way delay: 162.344 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 527.49 Mbit/s
95th percentile per-packet one-way delay: 192.231 ms
Loss rate: 4.26%
-- Flow 3:
Average throughput: 471.97 Mbit/s
95th percentile per-packet one-way delay: 114.695 ms
Loss rate: 3.04%

Run 5: Report of FillP-Sheep — Data Link

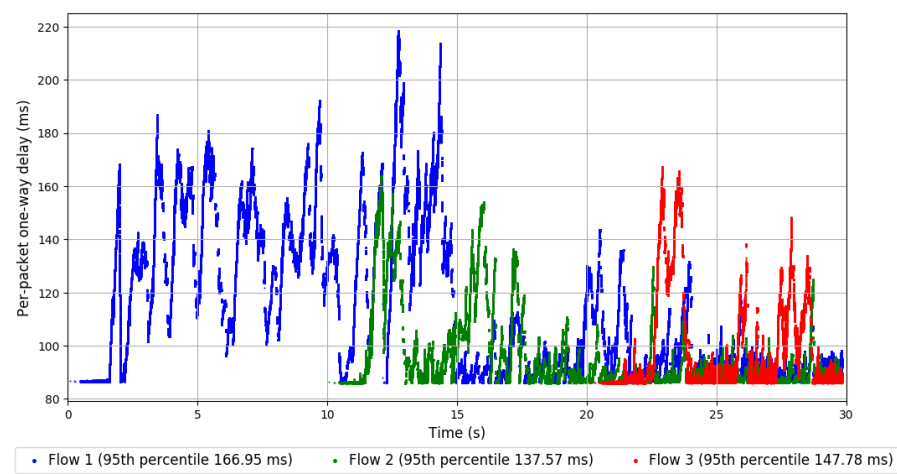
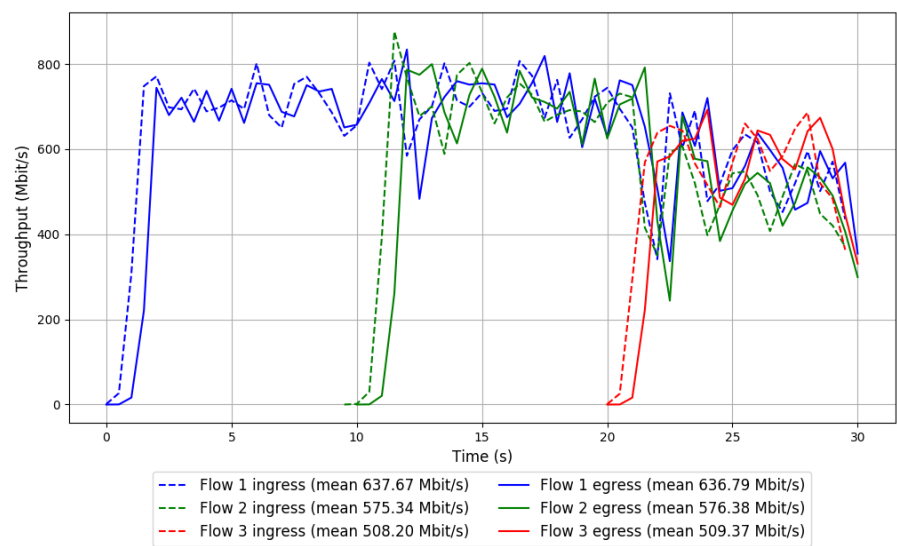


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-10 18:58:08
End at: 2018-08-10 18:58:38
Local clock offset: 0.353 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-08-10 22:54:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1186.28 Mbit/s
95th percentile per-packet one-way delay: 160.382 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 636.79 Mbit/s
95th percentile per-packet one-way delay: 166.953 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 576.38 Mbit/s
95th percentile per-packet one-way delay: 137.575 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 509.37 Mbit/s
95th percentile per-packet one-way delay: 147.782 ms
Loss rate: 1.42%

Run 6: Report of FillP-Sheep — Data Link

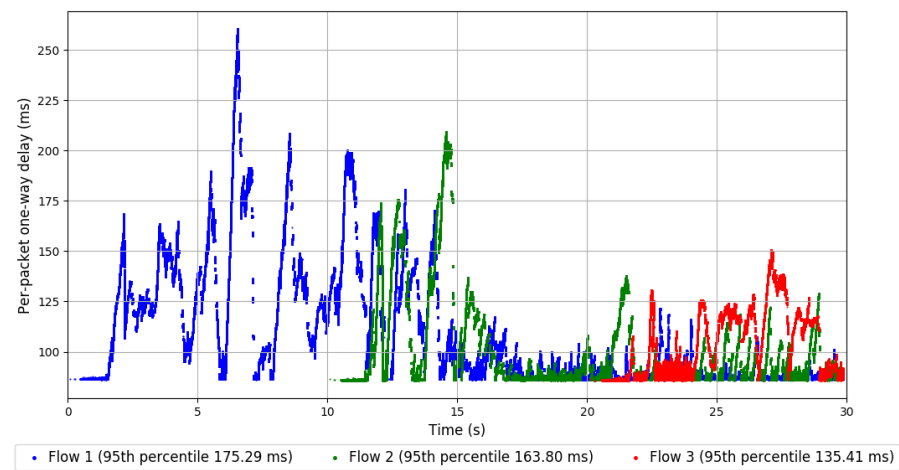
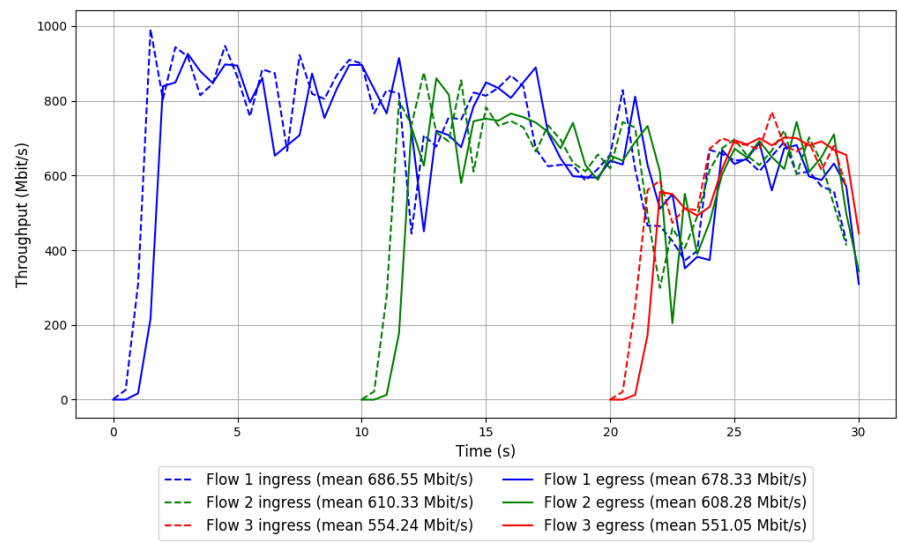


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-10 19:24:24
End at: 2018-08-10 19:24:54
Local clock offset: -0.045 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-08-10 23:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1262.36 Mbit/s
95th percentile per-packet one-way delay: 166.079 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 678.33 Mbit/s
95th percentile per-packet one-way delay: 175.289 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 608.28 Mbit/s
95th percentile per-packet one-way delay: 163.796 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 551.05 Mbit/s
95th percentile per-packet one-way delay: 135.406 ms
Loss rate: 2.31%

Run 7: Report of FillP-Sheep — Data Link

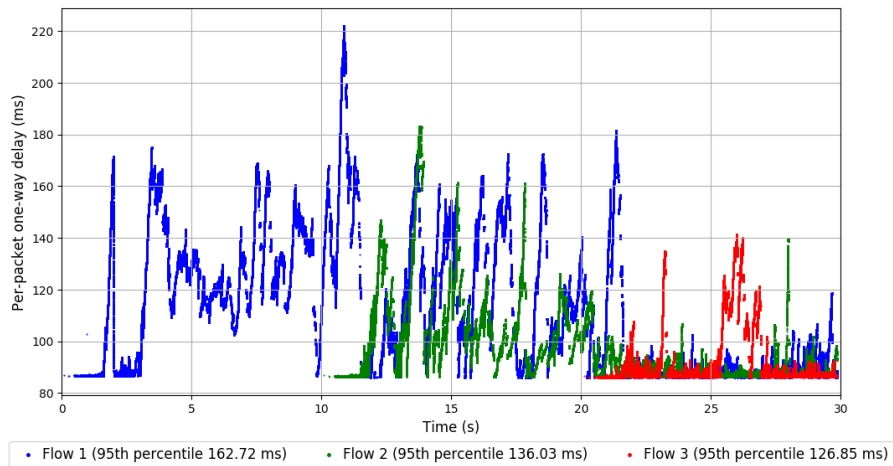
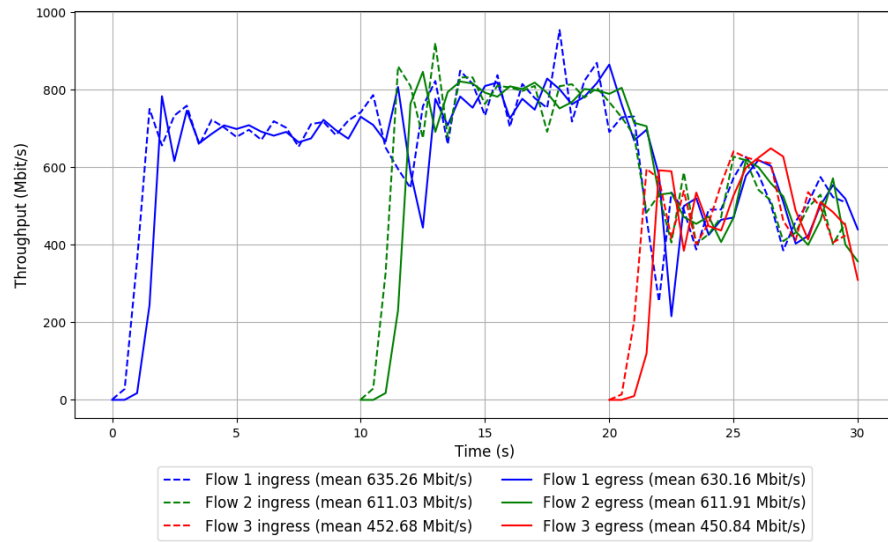


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-10 19:50:57
End at: 2018-08-10 19:51:27
Local clock offset: 0.171 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-10 23:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1183.70 Mbit/s
95th percentile per-packet one-way delay: 158.142 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 630.16 Mbit/s
95th percentile per-packet one-way delay: 162.720 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 611.91 Mbit/s
95th percentile per-packet one-way delay: 136.033 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 450.84 Mbit/s
95th percentile per-packet one-way delay: 126.851 ms
Loss rate: 2.07%

Run 8: Report of FillP-Sheep — Data Link

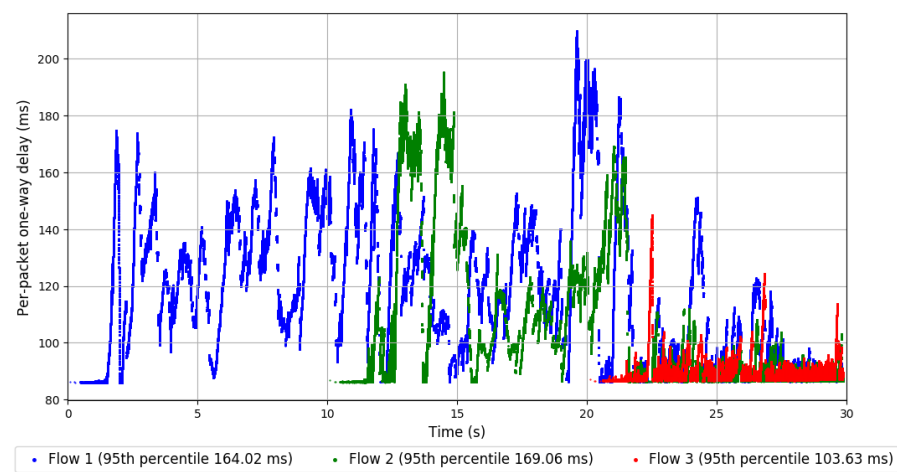
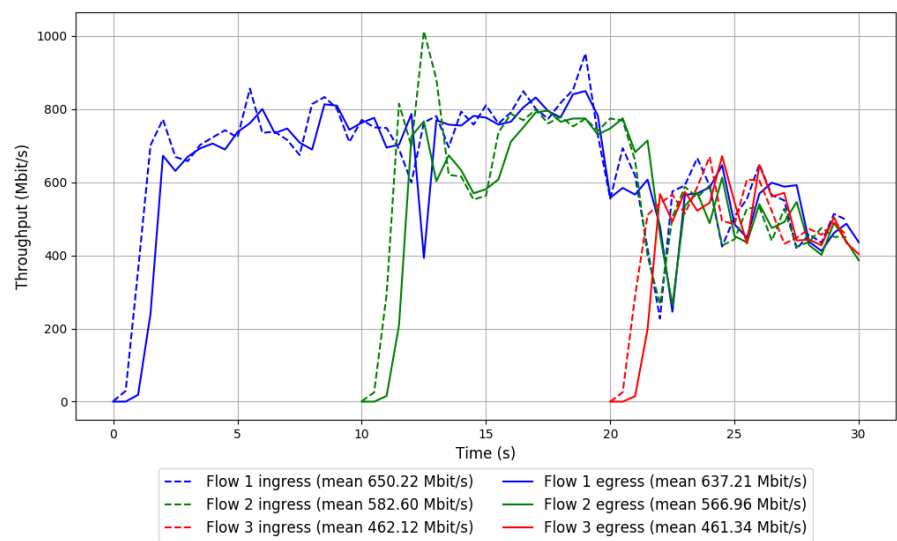


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-10 20:17:34
End at: 2018-08-10 20:18:04
Local clock offset: -0.094 ms
Remote clock offset: -34.451 ms

Below is generated by plot.py at 2018-08-10 23:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1164.50 Mbit/s
95th percentile per-packet one-way delay: 164.791 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 637.21 Mbit/s
95th percentile per-packet one-way delay: 164.018 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 566.96 Mbit/s
95th percentile per-packet one-way delay: 169.064 ms
Loss rate: 3.51%
-- Flow 3:
Average throughput: 461.34 Mbit/s
95th percentile per-packet one-way delay: 103.627 ms
Loss rate: 1.93%

Run 9: Report of FillP-Sheep — Data Link

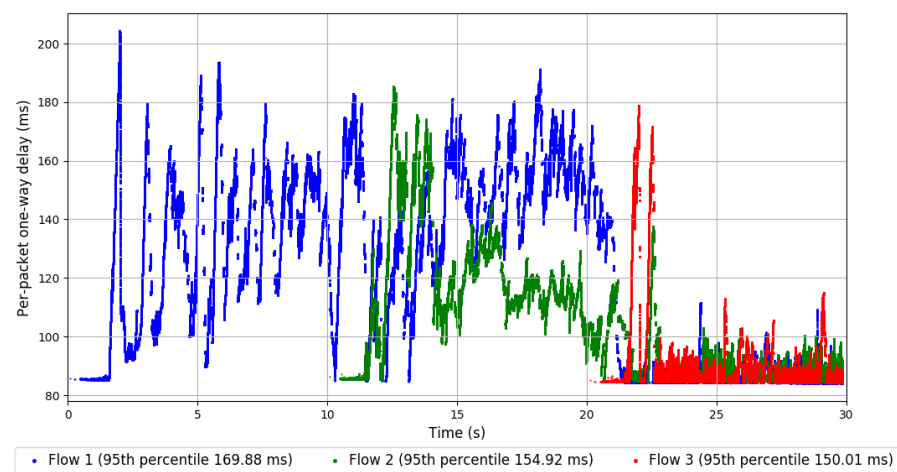
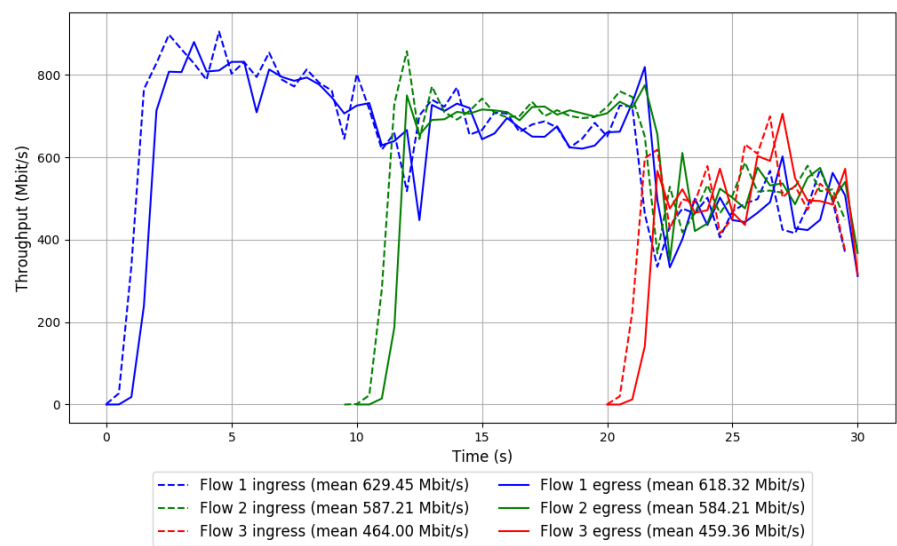


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-10 20:45:01
End at: 2018-08-10 20:45:31
Local clock offset: -0.066 ms
Remote clock offset: -79.668 ms

Below is generated by plot.py at 2018-08-10 23:20:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1156.46 Mbit/s
95th percentile per-packet one-way delay: 165.794 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 618.32 Mbit/s
95th percentile per-packet one-way delay: 169.877 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 584.21 Mbit/s
95th percentile per-packet one-way delay: 154.919 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 459.36 Mbit/s
95th percentile per-packet one-way delay: 150.006 ms
Loss rate: 2.62%

Run 10: Report of FillP-Sheep — Data Link

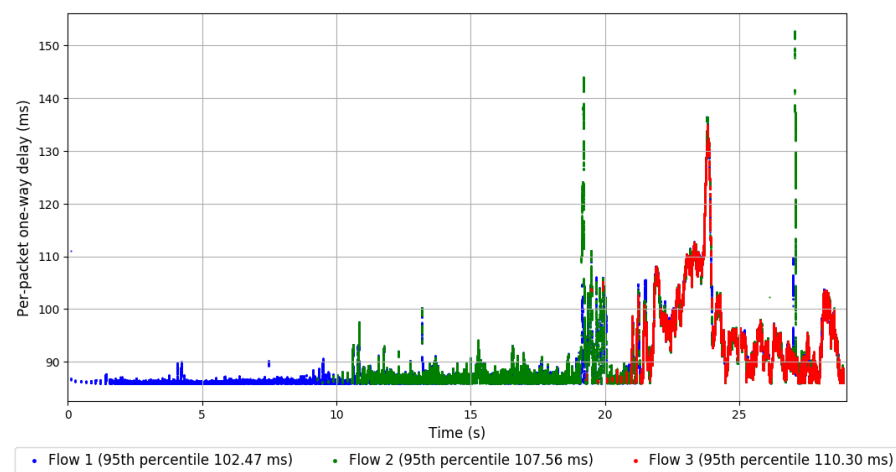
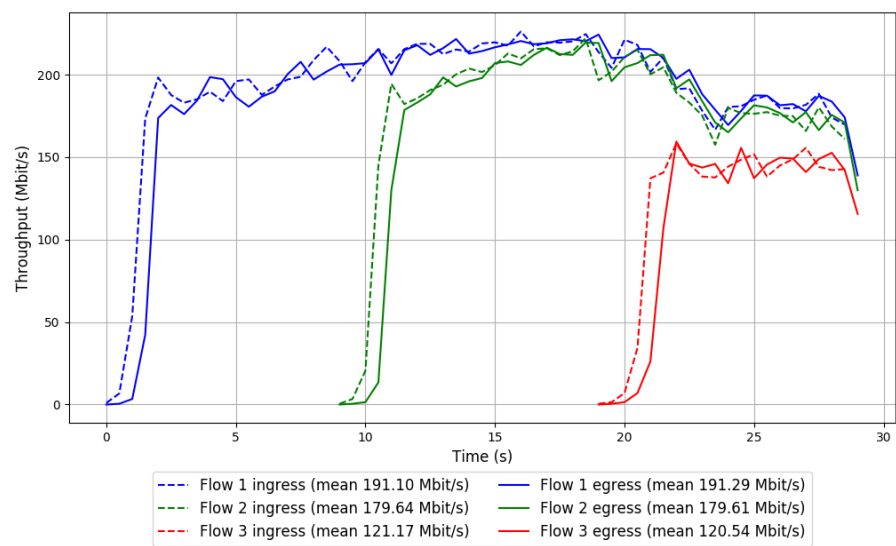


Run 1: Statistics of Indigo

Start at: 2018-08-10 16:32:33
End at: 2018-08-10 16:33:03
Local clock offset: -0.133 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-10 23:20:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.65 Mbit/s
95th percentile per-packet one-way delay: 106.620 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 191.29 Mbit/s
95th percentile per-packet one-way delay: 102.470 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 179.61 Mbit/s
95th percentile per-packet one-way delay: 107.564 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 120.54 Mbit/s
95th percentile per-packet one-way delay: 110.298 ms
Loss rate: 2.27%

Run 1: Report of Indigo — Data Link

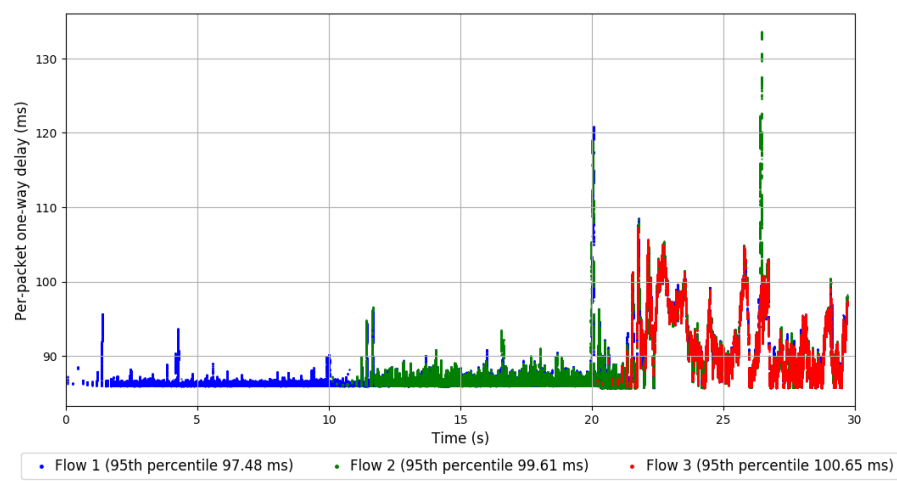
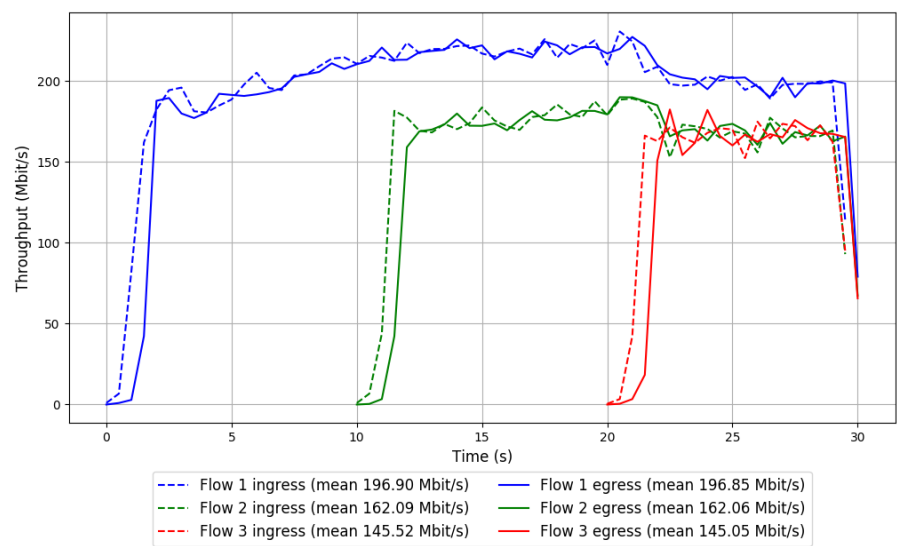


Run 2: Statistics of Indigo

Start at: 2018-08-10 16:58:58
End at: 2018-08-10 16:59:28
Local clock offset: -0.306 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-10 23:20:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.45 Mbit/s
95th percentile per-packet one-way delay: 99.057 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 196.85 Mbit/s
95th percentile per-packet one-way delay: 97.481 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 162.06 Mbit/s
95th percentile per-packet one-way delay: 99.607 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 145.05 Mbit/s
95th percentile per-packet one-way delay: 100.650 ms
Loss rate: 2.11%

Run 2: Report of Indigo — Data Link

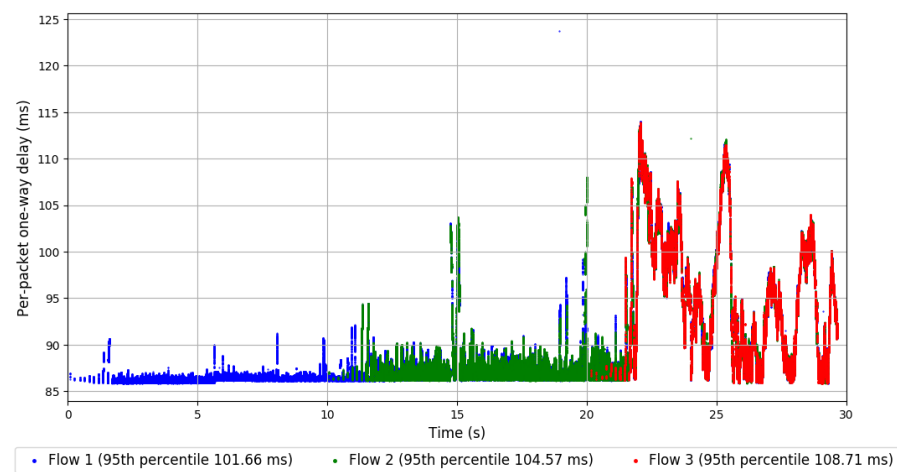
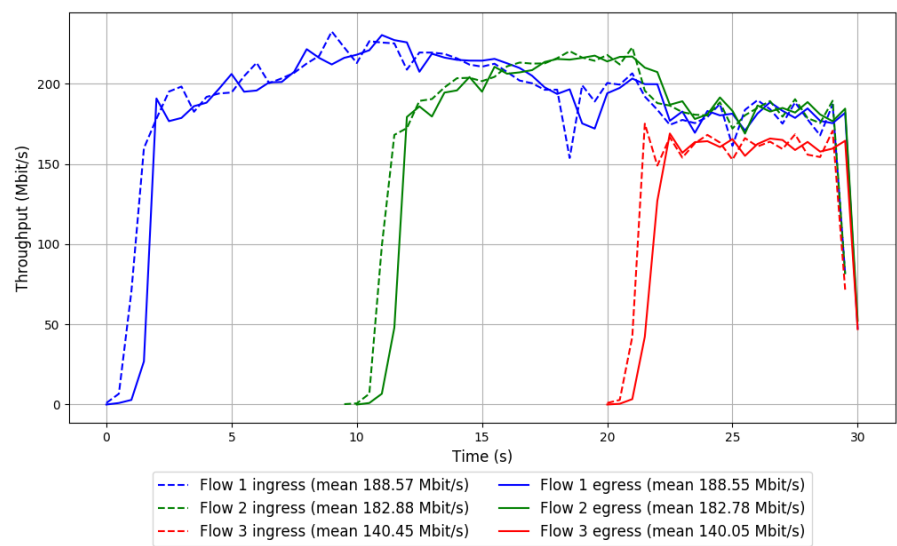


Run 3: Statistics of Indigo

Start at: 2018-08-10 17:25:32
End at: 2018-08-10 17:26:02
Local clock offset: -0.121 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-08-10 23:20:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.61 Mbit/s
95th percentile per-packet one-way delay: 104.306 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 188.55 Mbit/s
95th percentile per-packet one-way delay: 101.655 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 182.78 Mbit/s
95th percentile per-packet one-way delay: 104.569 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 140.05 Mbit/s
95th percentile per-packet one-way delay: 108.706 ms
Loss rate: 2.09%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-10 17:51:43

End at: 2018-08-10 17:52:13

Local clock offset: -0.113 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-08-10 23:20:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.60 Mbit/s

95th percentile per-packet one-way delay: 96.001 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 175.69 Mbit/s

95th percentile per-packet one-way delay: 94.848 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 149.42 Mbit/s

95th percentile per-packet one-way delay: 96.120 ms

Loss rate: 0.94%

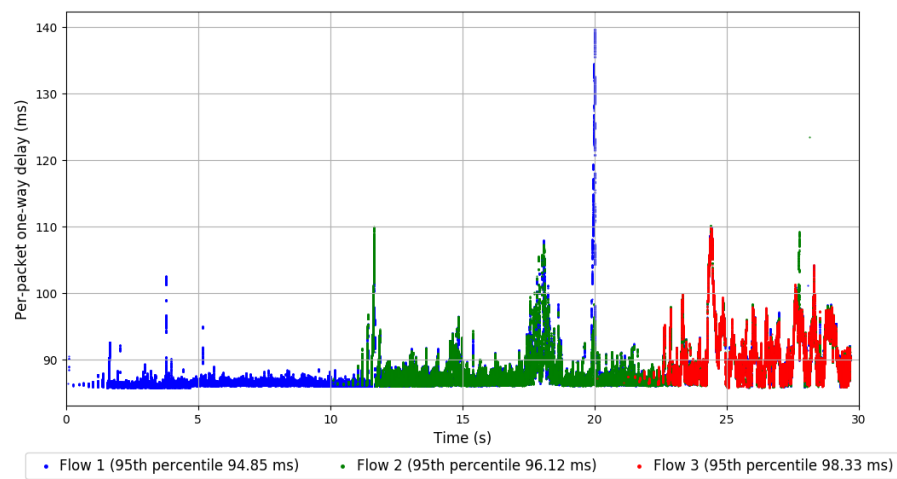
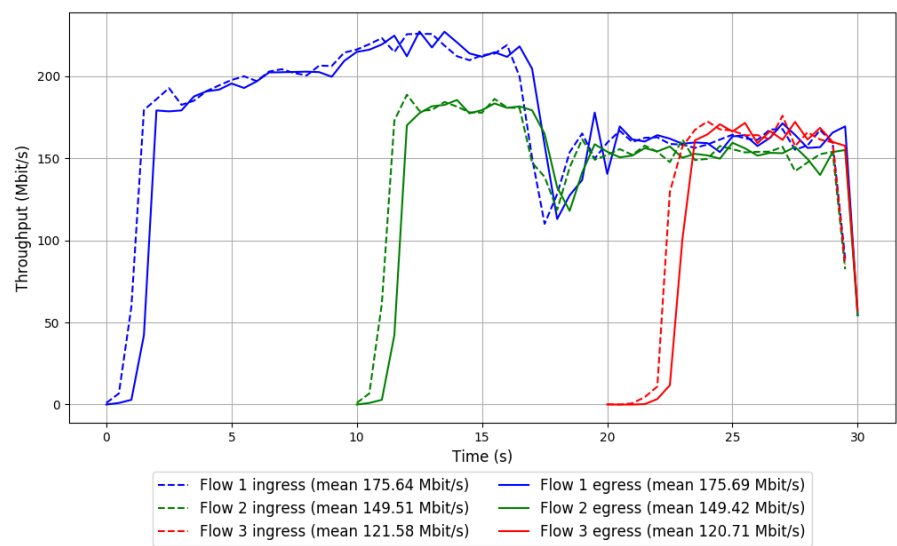
-- Flow 3:

Average throughput: 120.71 Mbit/s

95th percentile per-packet one-way delay: 98.330 ms

Loss rate: 2.48%

Run 4: Report of Indigo — Data Link

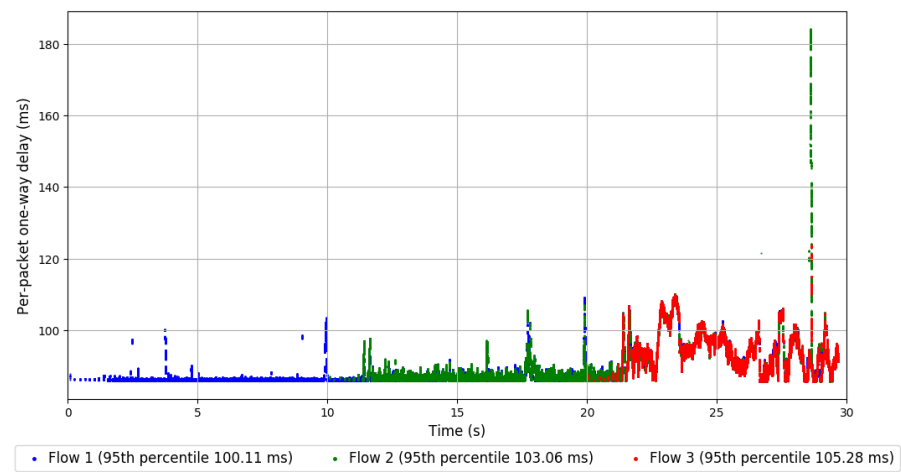
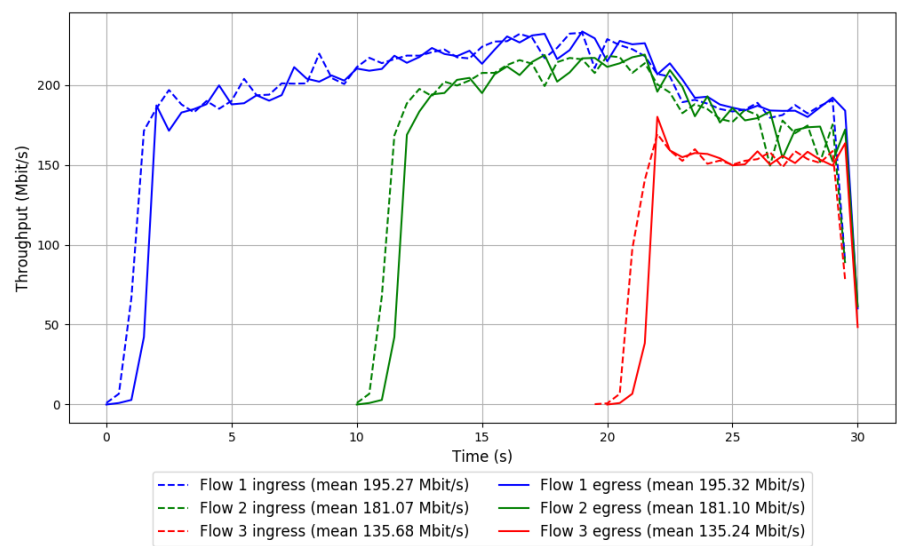


Run 5: Statistics of Indigo

Start at: 2018-08-10 18:17:43
End at: 2018-08-10 18:18:13
Local clock offset: 0.454 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.04 Mbit/s
95th percentile per-packet one-way delay: 102.308 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 195.32 Mbit/s
95th percentile per-packet one-way delay: 100.109 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 181.10 Mbit/s
95th percentile per-packet one-way delay: 103.055 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 135.24 Mbit/s
95th percentile per-packet one-way delay: 105.276 ms
Loss rate: 2.08%

Run 5: Report of Indigo — Data Link

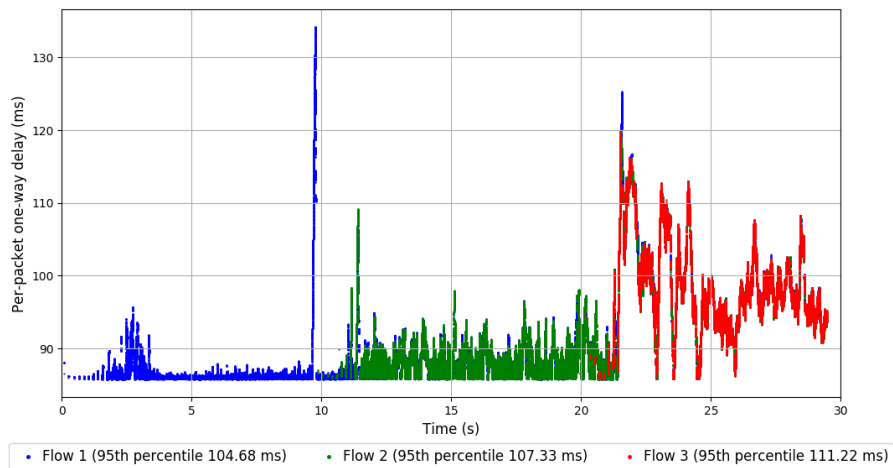
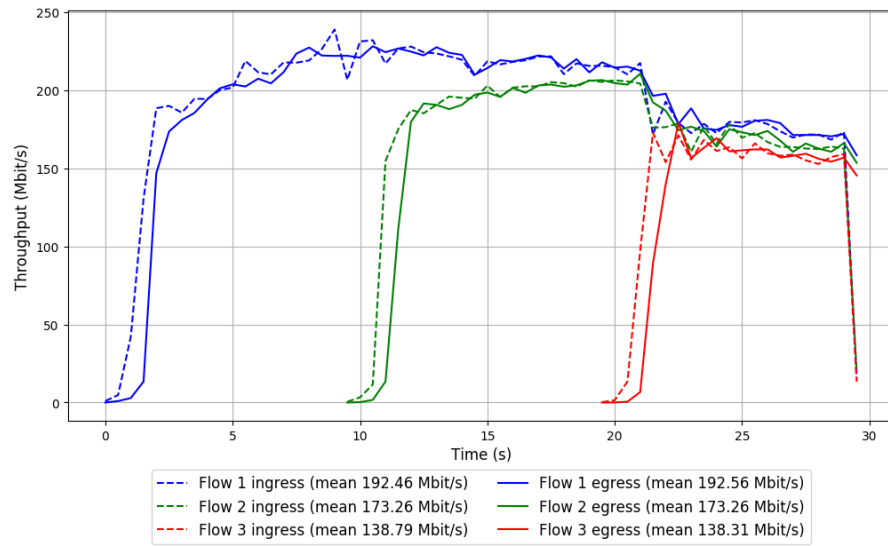


Run 6: Statistics of Indigo

Start at: 2018-08-10 18:44:14
End at: 2018-08-10 18:44:44
Local clock offset: 0.409 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.12 Mbit/s
95th percentile per-packet one-way delay: 107.248 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 192.56 Mbit/s
95th percentile per-packet one-way delay: 104.681 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 173.26 Mbit/s
95th percentile per-packet one-way delay: 107.330 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 138.31 Mbit/s
95th percentile per-packet one-way delay: 111.215 ms
Loss rate: 2.13%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

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

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

Local clock offset: 0.389 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-08-10 23:20:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 358.80 Mbit/s

95th percentile per-packet one-way delay: 95.722 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 202.04 Mbit/s

95th percentile per-packet one-way delay: 94.663 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 178.76 Mbit/s

95th percentile per-packet one-way delay: 95.976 ms

Loss rate: 0.91%

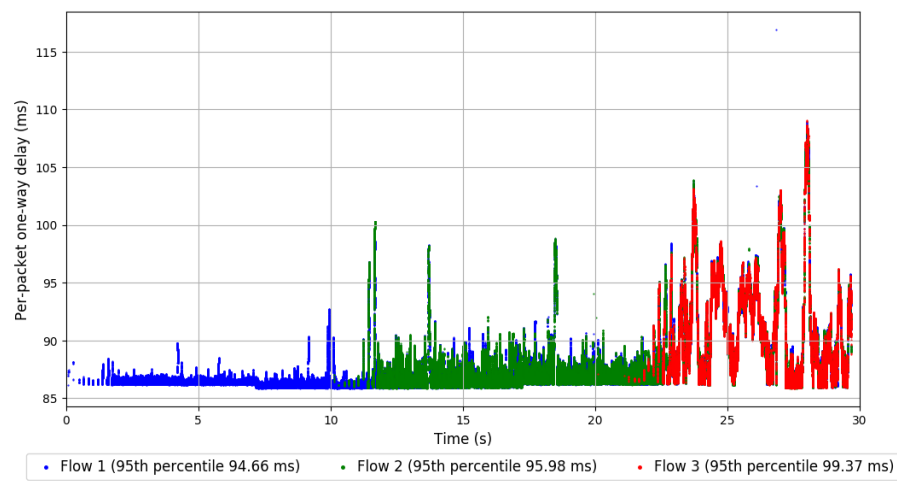
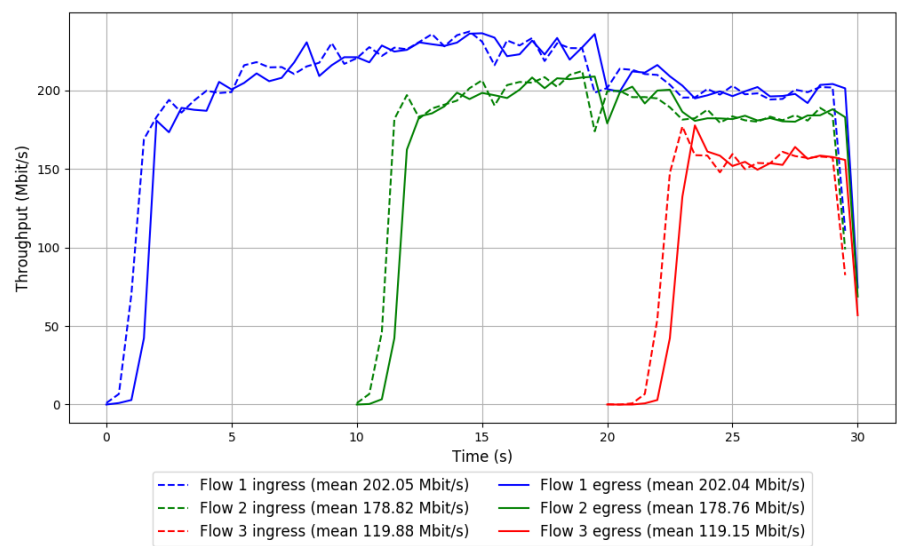
-- Flow 3:

Average throughput: 119.15 Mbit/s

95th percentile per-packet one-way delay: 99.371 ms

Loss rate: 2.35%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-08-10 19:37:07

End at: 2018-08-10 19:37:37

Local clock offset: 0.272 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-10 23:20:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 343.68 Mbit/s

95th percentile per-packet one-way delay: 96.329 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 186.57 Mbit/s

95th percentile per-packet one-way delay: 94.898 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 170.53 Mbit/s

95th percentile per-packet one-way delay: 96.514 ms

Loss rate: 0.91%

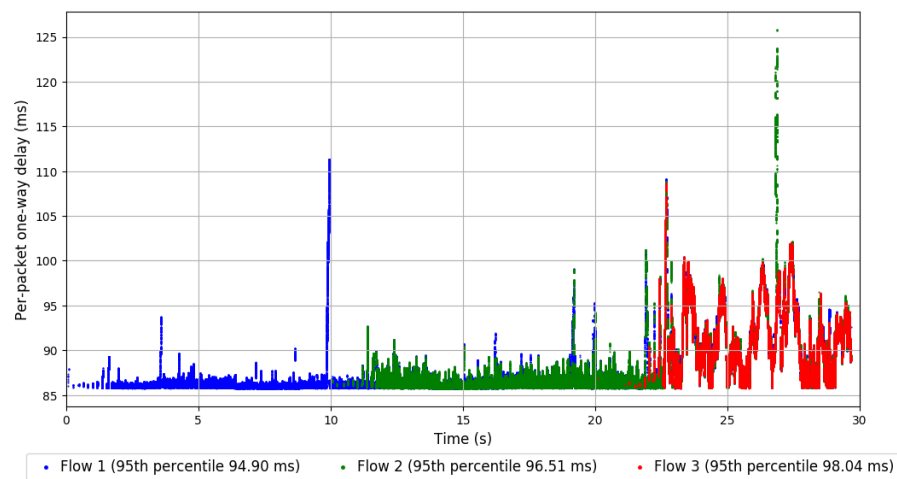
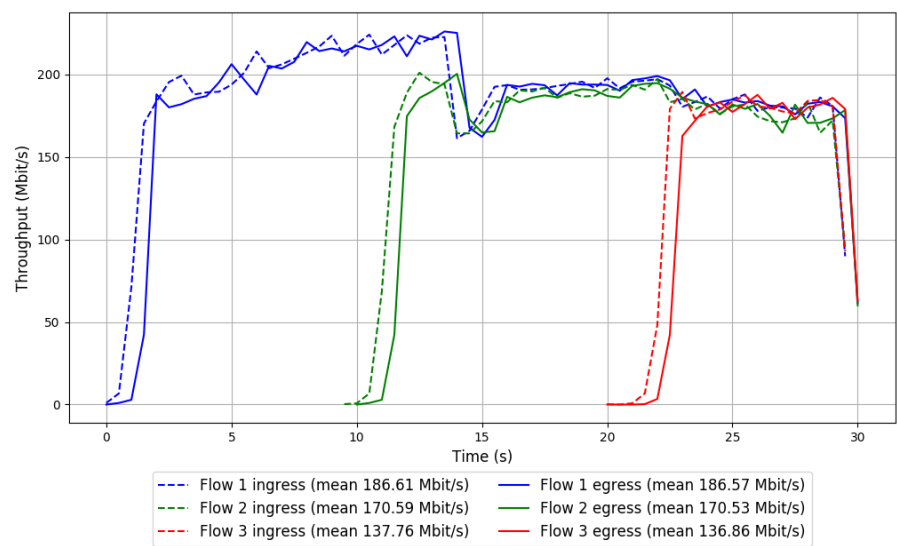
-- Flow 3:

Average throughput: 136.86 Mbit/s

95th percentile per-packet one-way delay: 98.038 ms

Loss rate: 2.42%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-10 20:03:31

End at: 2018-08-10 20:04:01

Local clock offset: -0.069 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-08-10 23:20:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.41 Mbit/s

95th percentile per-packet one-way delay: 100.537 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 191.98 Mbit/s

95th percentile per-packet one-way delay: 97.100 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 180.21 Mbit/s

95th percentile per-packet one-way delay: 101.996 ms

Loss rate: 0.90%

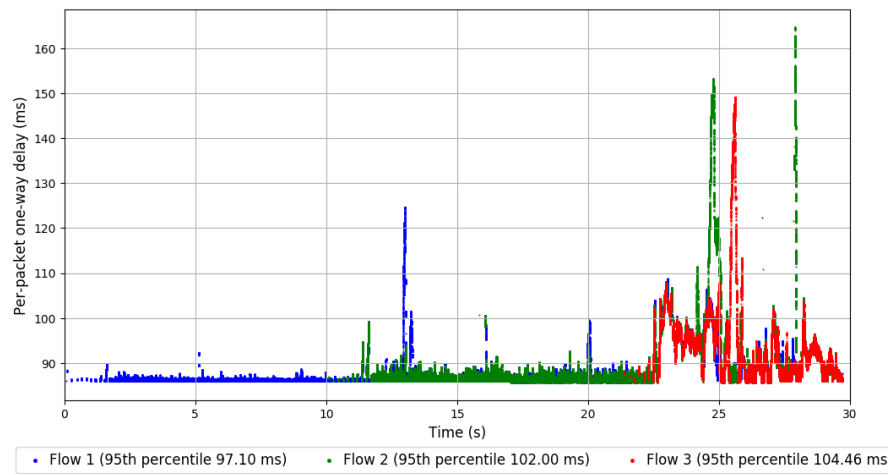
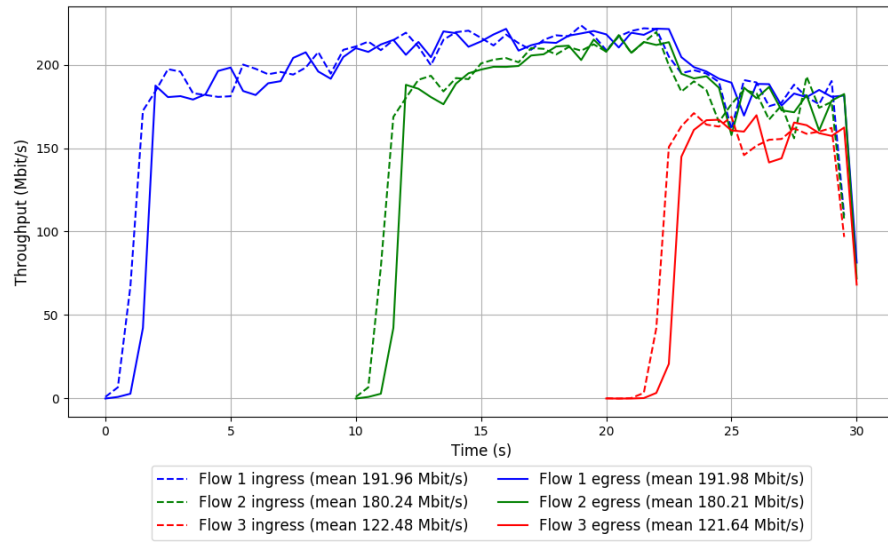
-- Flow 3:

Average throughput: 121.64 Mbit/s

95th percentile per-packet one-way delay: 104.463 ms

Loss rate: 2.46%

Run 9: Report of Indigo — Data Link

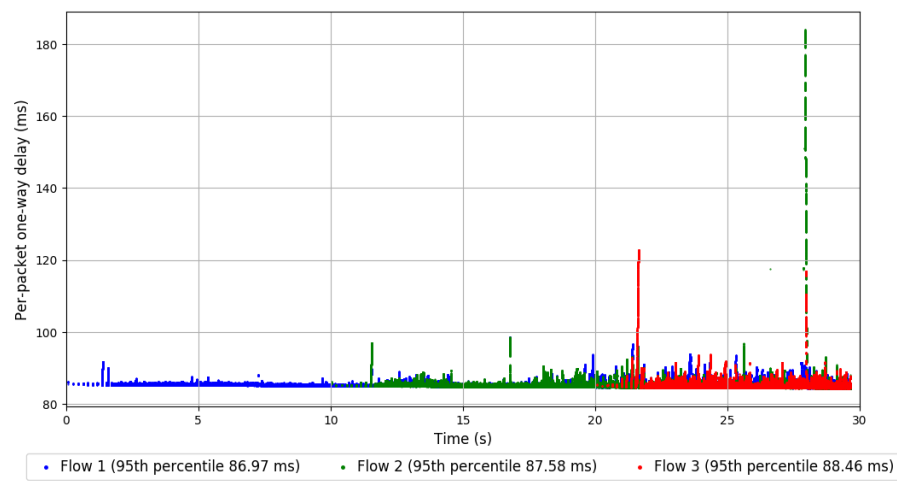
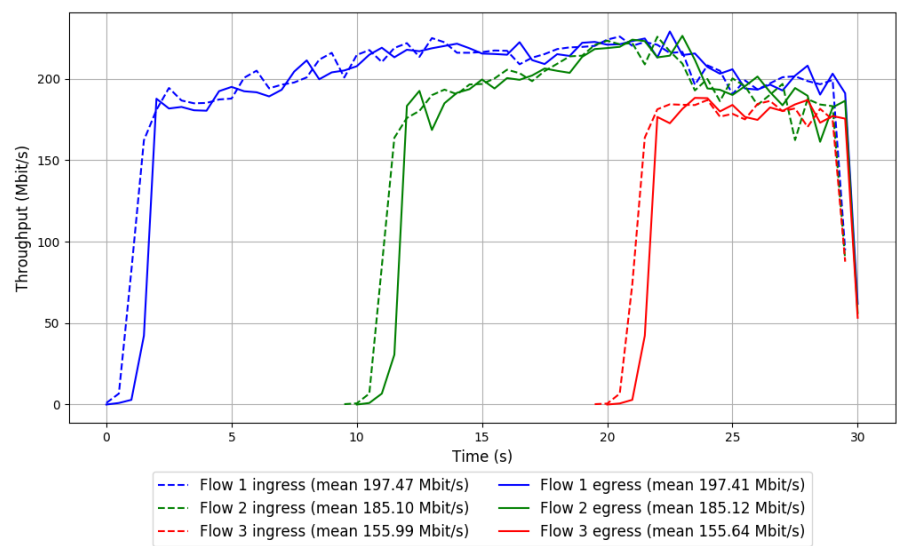


Run 10: Statistics of Indigo

Start at: 2018-08-10 20:30:35
End at: 2018-08-10 20:31:05
Local clock offset: -0.18 ms
Remote clock offset: -44.636 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.59 Mbit/s
95th percentile per-packet one-way delay: 87.359 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 197.41 Mbit/s
95th percentile per-packet one-way delay: 86.967 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 185.12 Mbit/s
95th percentile per-packet one-way delay: 87.579 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 155.64 Mbit/s
95th percentile per-packet one-way delay: 88.461 ms
Loss rate: 2.05%

Run 10: Report of Indigo — Data Link

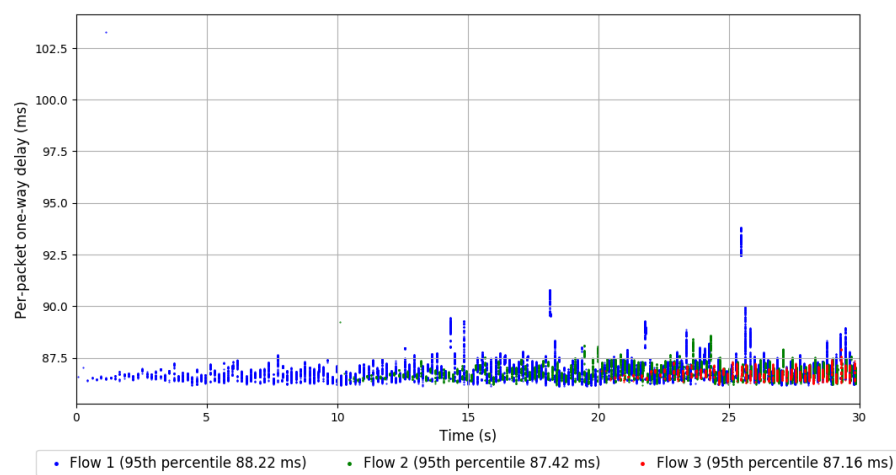
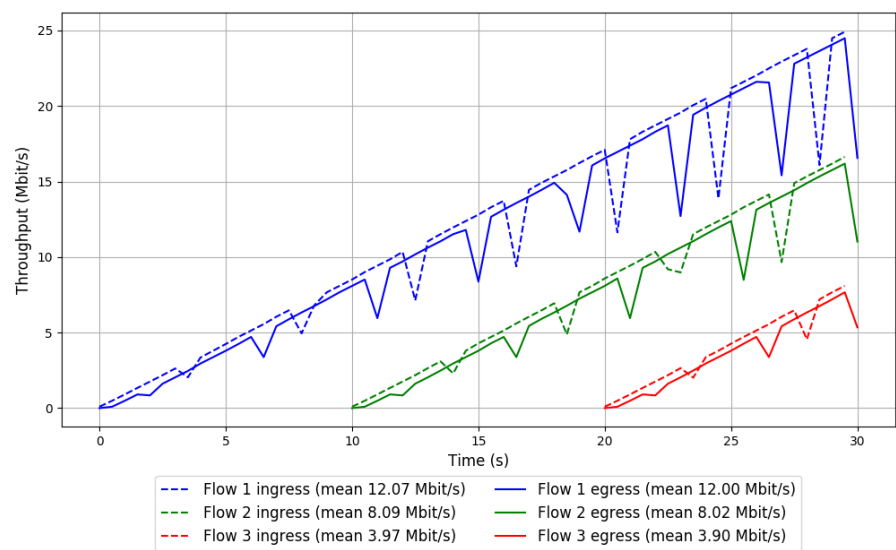


Run 1: Statistics of LEDBAT

Start at: 2018-08-10 16:53:09
End at: 2018-08-10 16:53:39
Local clock offset: 0.04 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 87.897 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 88.221 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 87.419 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 87.159 ms
Loss rate: 3.50%

Run 1: Report of LEDBAT — Data Link

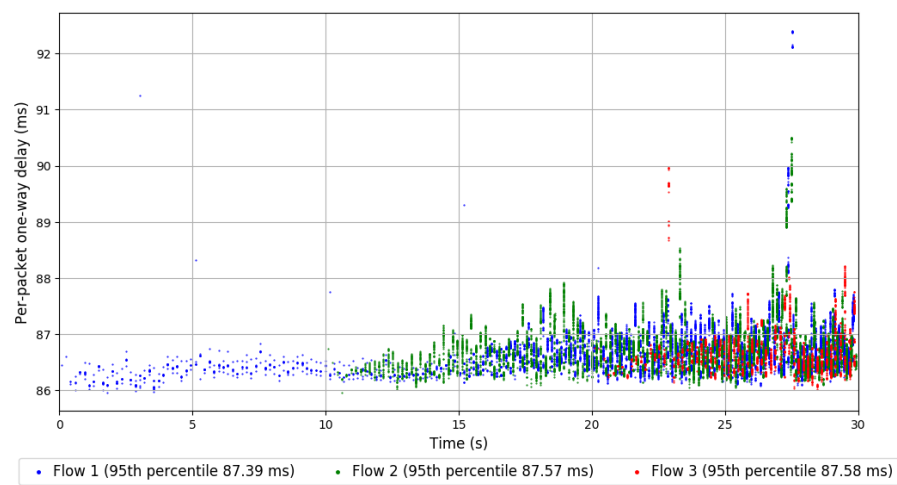
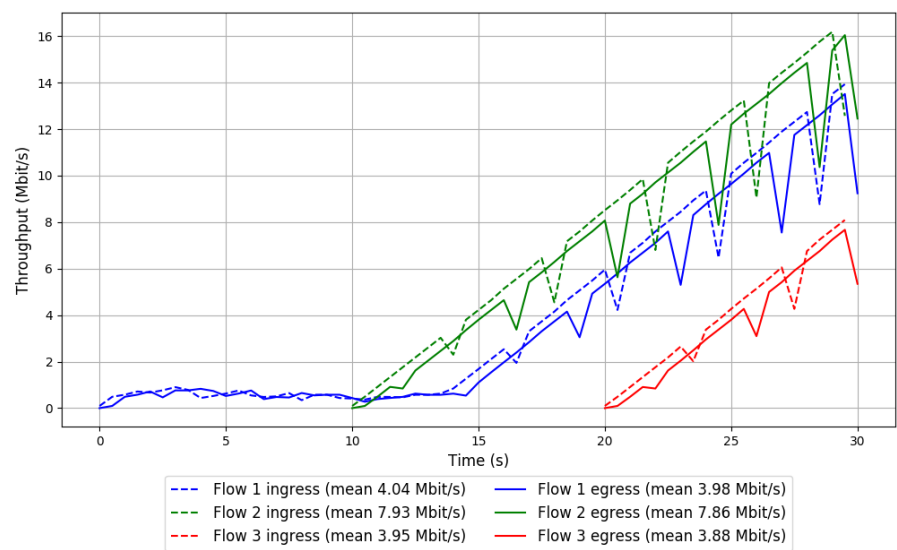


Run 2: Statistics of LEDBAT

Start at: 2018-08-10 17:19:34
End at: 2018-08-10 17:20:04
Local clock offset: -0.295 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 87.490 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 87.389 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 87.573 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.583 ms
Loss rate: 3.50%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-10 17:45:58

End at: 2018-08-10 17:46:28

Local clock offset: -0.281 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-10 23:20:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.08 Mbit/s

95th percentile per-packet one-way delay: 87.682 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 87.681 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 6.95 Mbit/s

95th percentile per-packet one-way delay: 87.678 ms

Loss rate: 1.85%

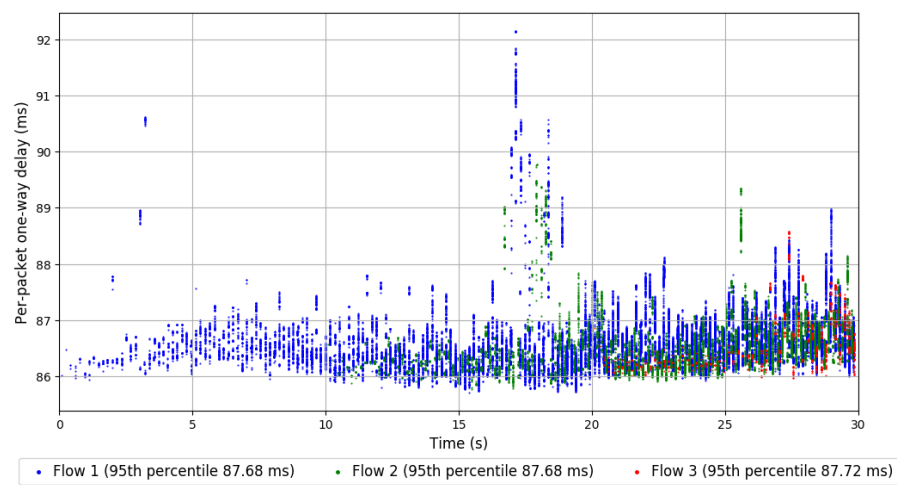
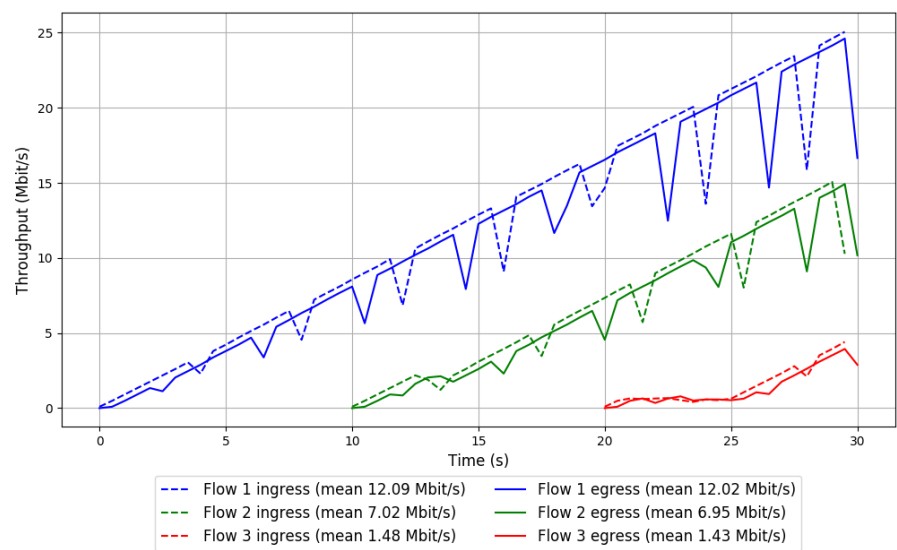
-- Flow 3:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 87.720 ms

Loss rate: 5.19%

Run 3: Report of LEDBAT — Data Link

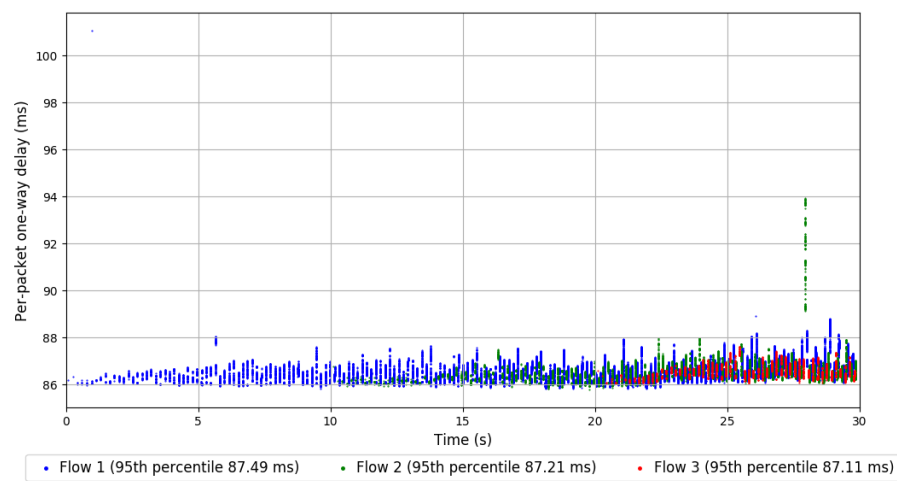
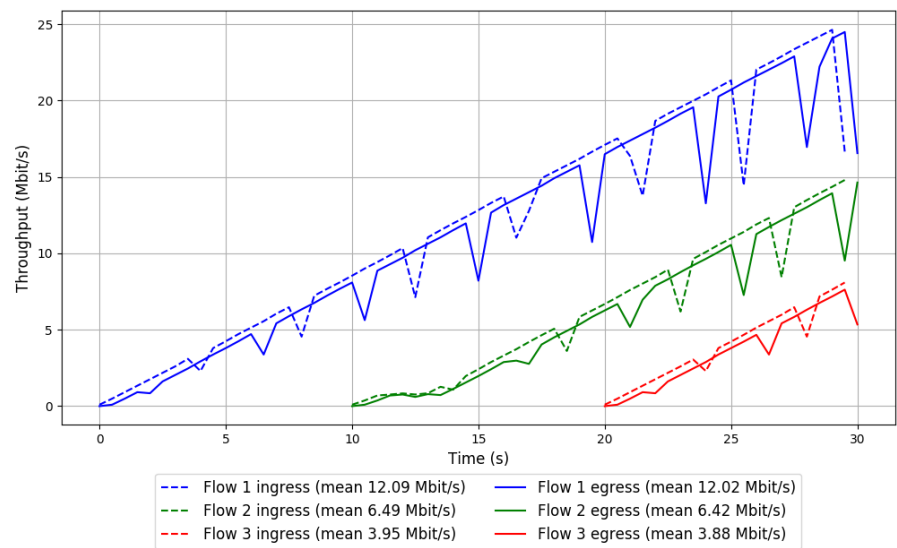


Run 4: Statistics of LEDBAT

Start at: 2018-08-10 18:11:56
End at: 2018-08-10 18:12:26
Local clock offset: 0.298 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 87.431 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.491 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 87.211 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.113 ms
Loss rate: 3.52%

Run 4: Report of LEDBAT — Data Link

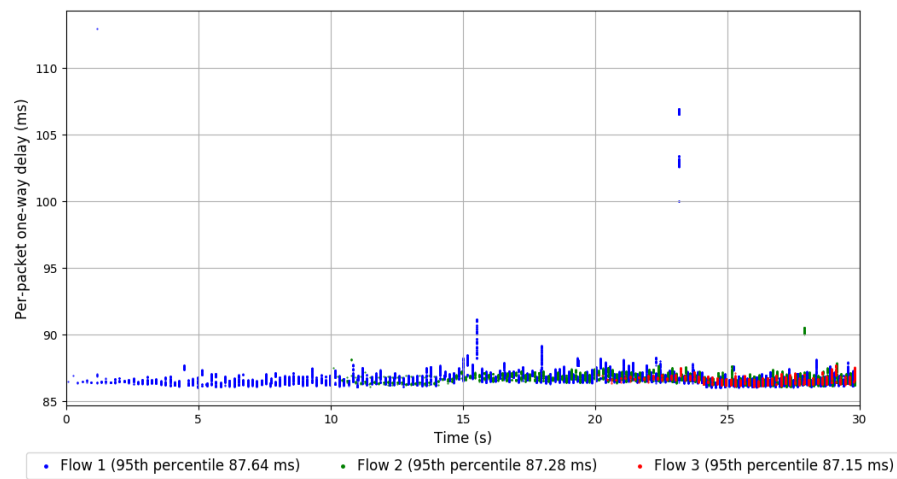
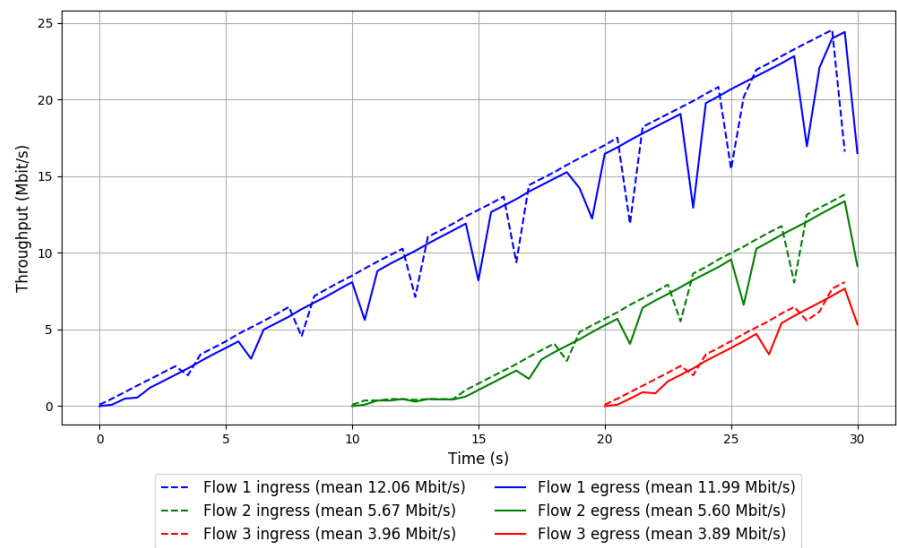


Run 5: Statistics of LEDBAT

Start at: 2018-08-10 18:38:24
End at: 2018-08-10 18:38:54
Local clock offset: 0.855 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 87.508 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 87.644 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 87.285 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 87.153 ms
Loss rate: 3.51%

Run 5: Report of LEDBAT — Data Link

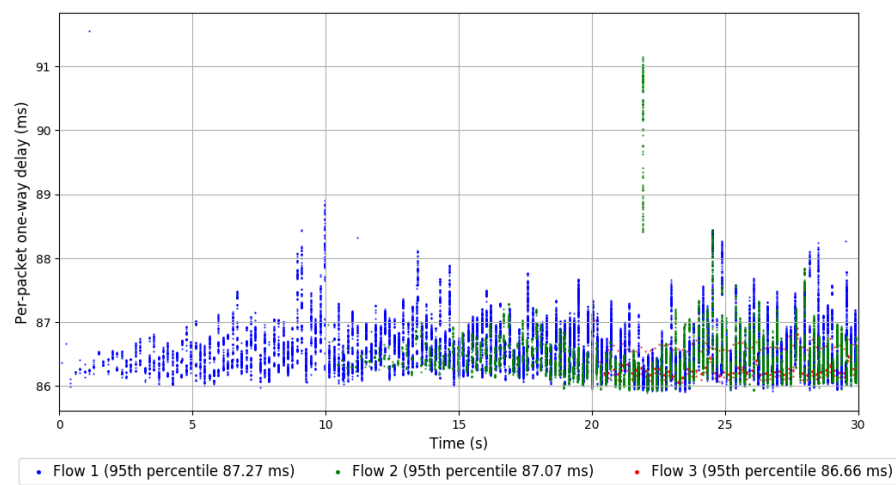
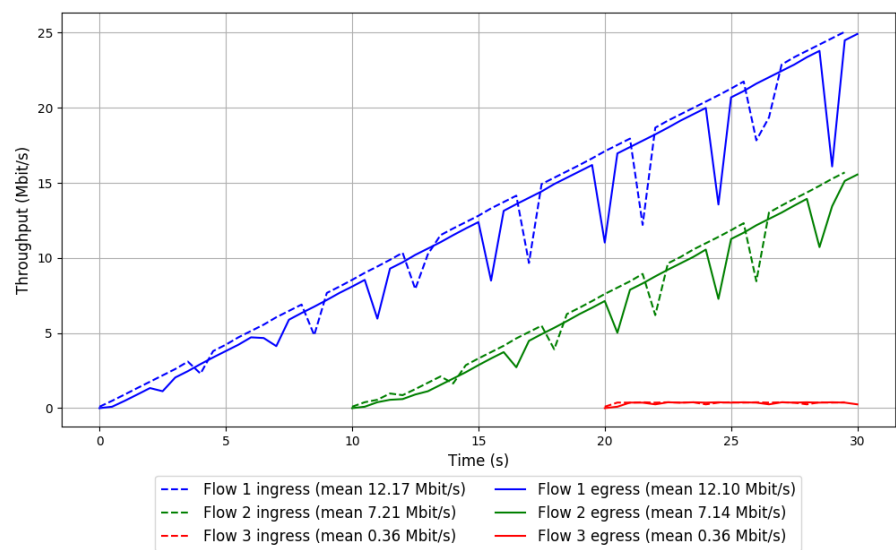


Run 6: Statistics of LEDBAT

Start at: 2018-08-10 19:05:00
End at: 2018-08-10 19:05:30
Local clock offset: 0.393 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.95 Mbit/s
95th percentile per-packet one-way delay: 87.230 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 87.271 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 87.074 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.662 ms
Loss rate: 1.97%

Run 6: Report of LEDBAT — Data Link

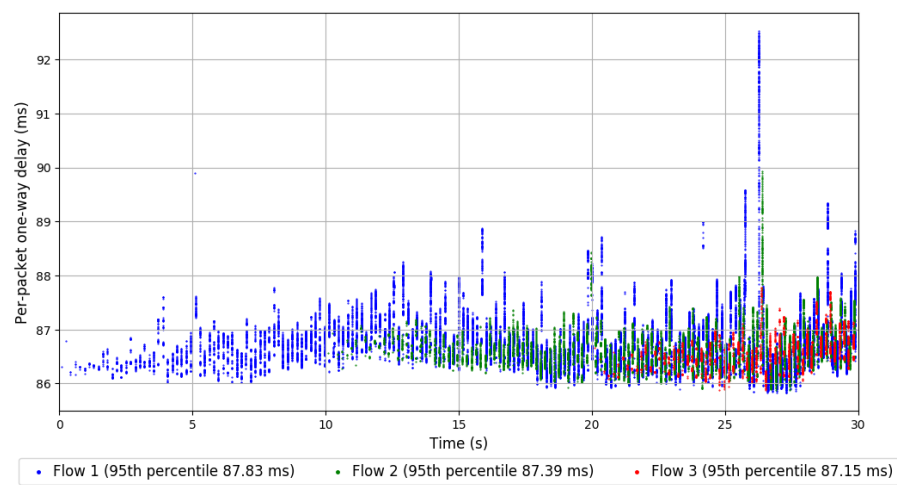
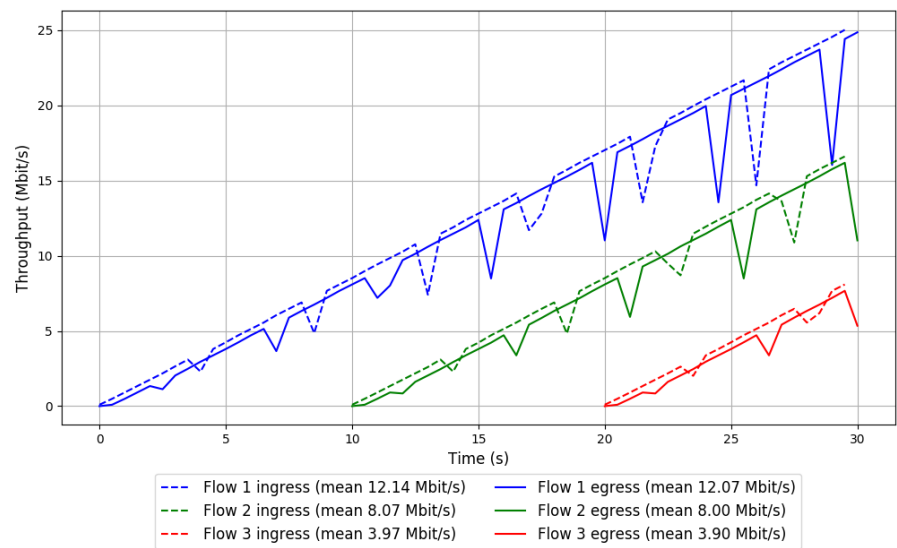


Run 7: Statistics of LEDBAT

Start at: 2018-08-10 19:31:20
End at: 2018-08-10 19:31:50
Local clock offset: 0.198 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.64 Mbit/s
95th percentile per-packet one-way delay: 87.697 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 87.832 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 87.391 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 87.149 ms
Loss rate: 3.51%

Run 7: Report of LEDBAT — Data Link

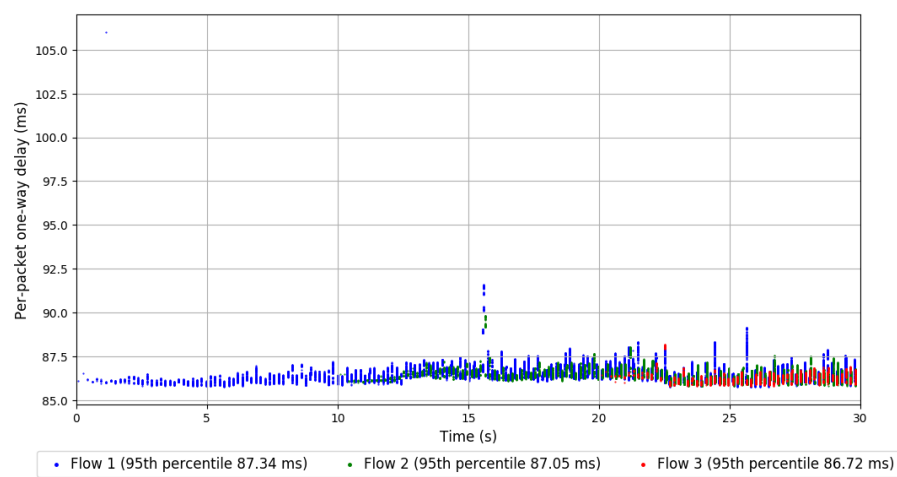
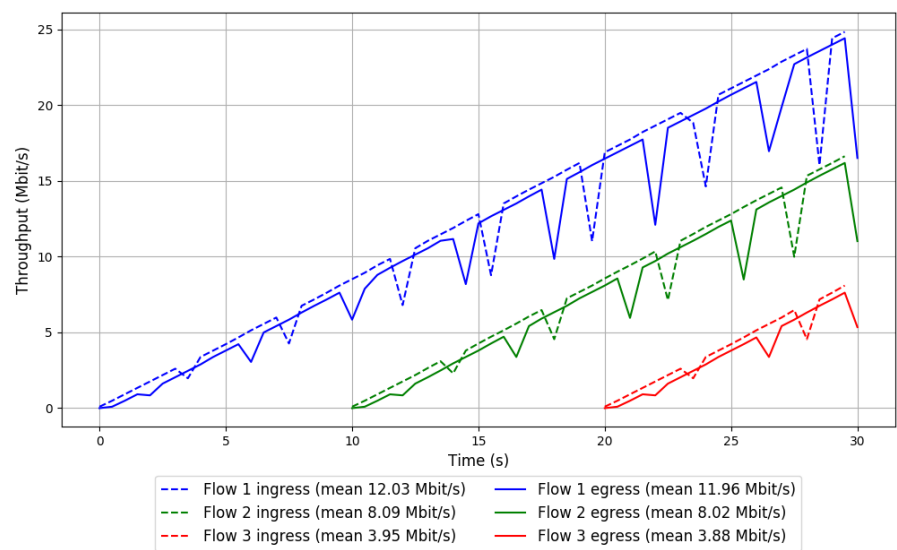


Run 8: Statistics of LEDBAT

Start at: 2018-08-10 19:57:46
End at: 2018-08-10 19:58:16
Local clock offset: 0.012 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.53 Mbit/s
95th percentile per-packet one-way delay: 87.235 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 87.339 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 87.050 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 86.725 ms
Loss rate: 3.52%

Run 8: Report of LEDBAT — Data Link

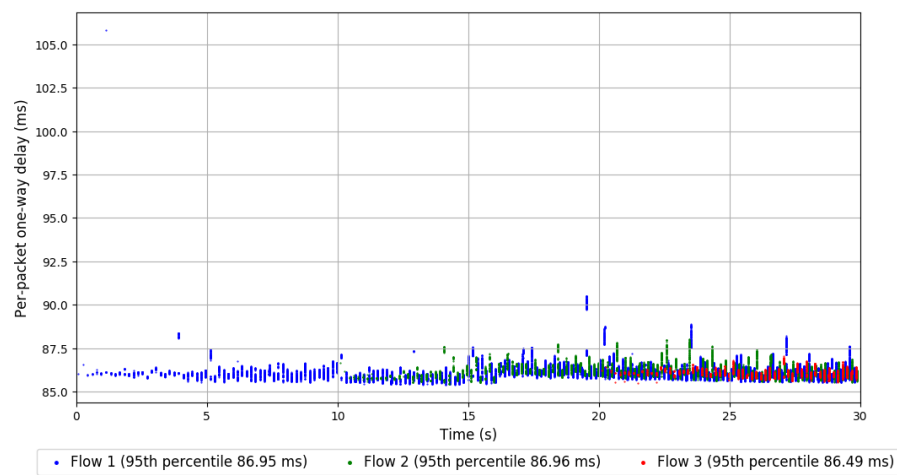
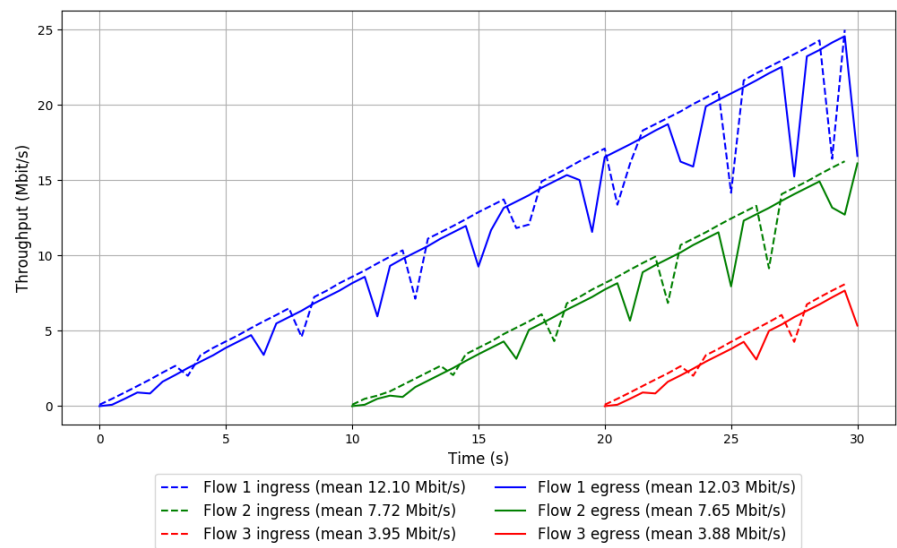


Run 9: Statistics of LEDBAT

Start at: 2018-08-10 20:24:37
End at: 2018-08-10 20:25:07
Local clock offset: -0.133 ms
Remote clock offset: -35.45 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 86.925 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 86.955 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 7.65 Mbit/s
95th percentile per-packet one-way delay: 86.961 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 86.492 ms
Loss rate: 3.50%

Run 9: Report of LEDBAT — Data Link

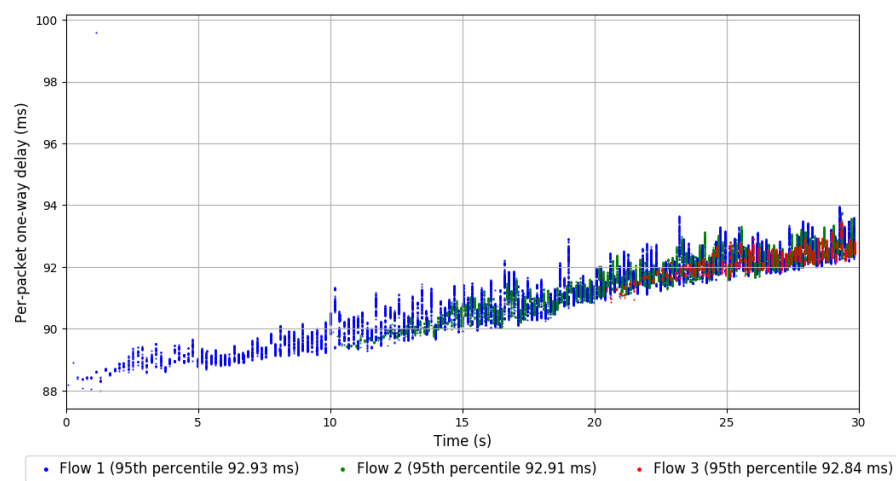
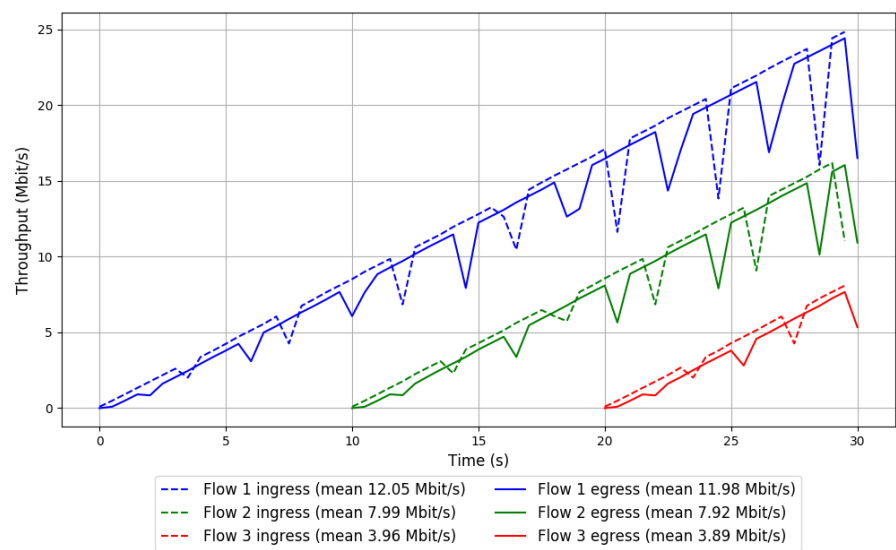


Run 10: Statistics of LEDBAT

Start at: 2018-08-10 20:52:14
End at: 2018-08-10 20:52:44
Local clock offset: 0.163 ms
Remote clock offset: -90.883 ms

Below is generated by plot.py at 2018-08-10 23:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 92.921 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 92.933 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 92.913 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 92.841 ms
Loss rate: 3.50%

Run 10: Report of LEDBAT — Data Link

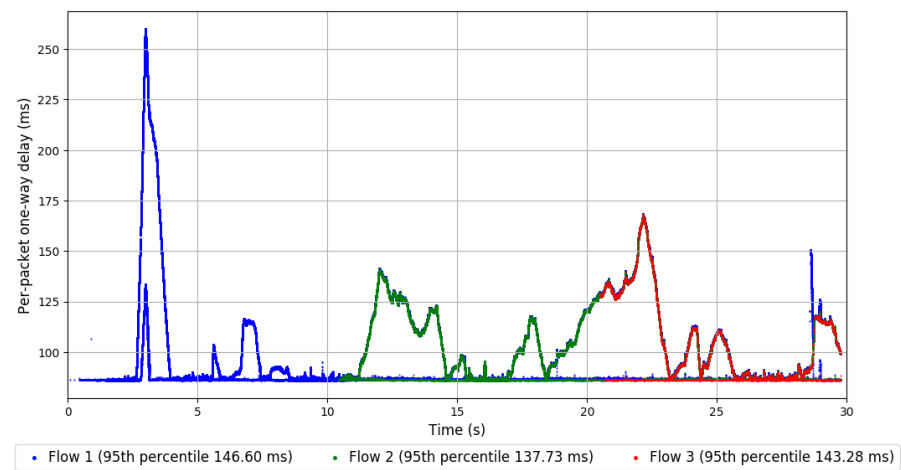
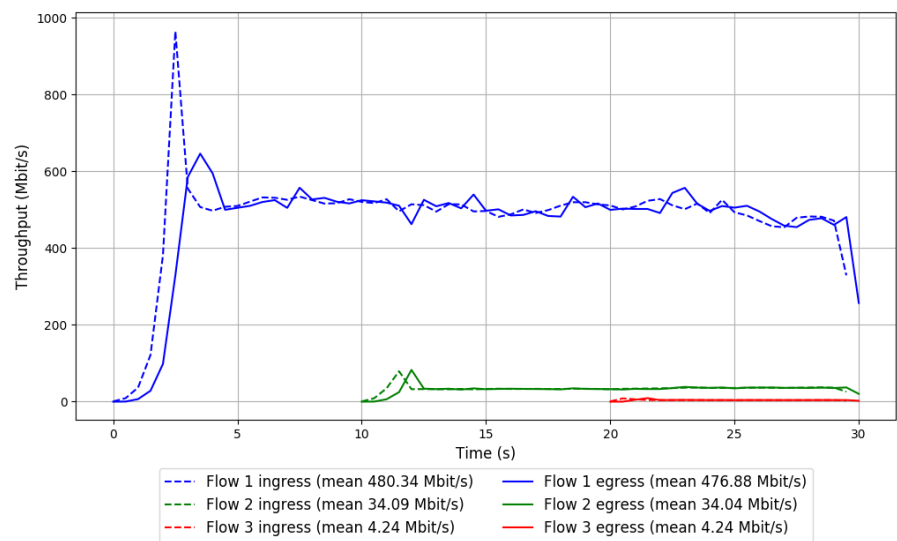


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-10 16:48:26
End at: 2018-08-10 16:48:56
Local clock offset: -0.142 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-10 23:21:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 500.77 Mbit/s
95th percentile per-packet one-way delay: 146.009 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 476.88 Mbit/s
95th percentile per-packet one-way delay: 146.599 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 137.732 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 143.281 ms
Loss rate: 1.81%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-10 17:14:50

End at: 2018-08-10 17:15:20

Local clock offset: -0.189 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-08-10 23:21:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.36 Mbit/s

95th percentile per-packet one-way delay: 209.076 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 478.96 Mbit/s

95th percentile per-packet one-way delay: 209.049 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 32.74 Mbit/s

95th percentile per-packet one-way delay: 209.131 ms

Loss rate: 1.28%

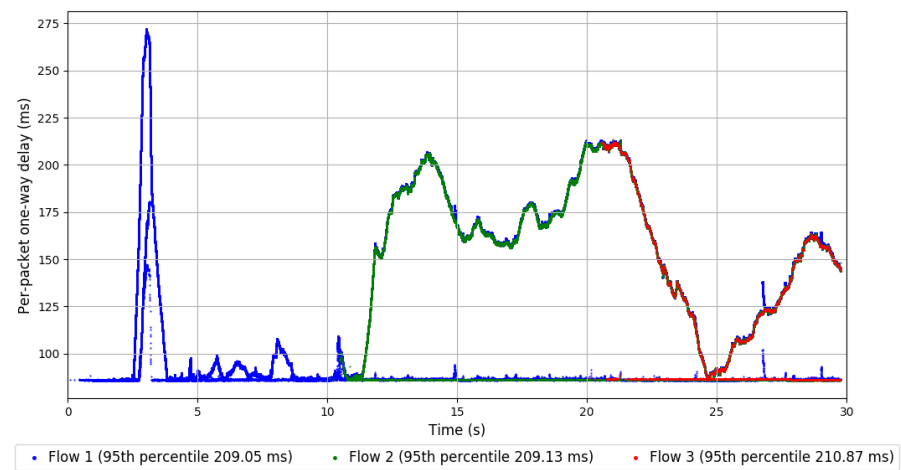
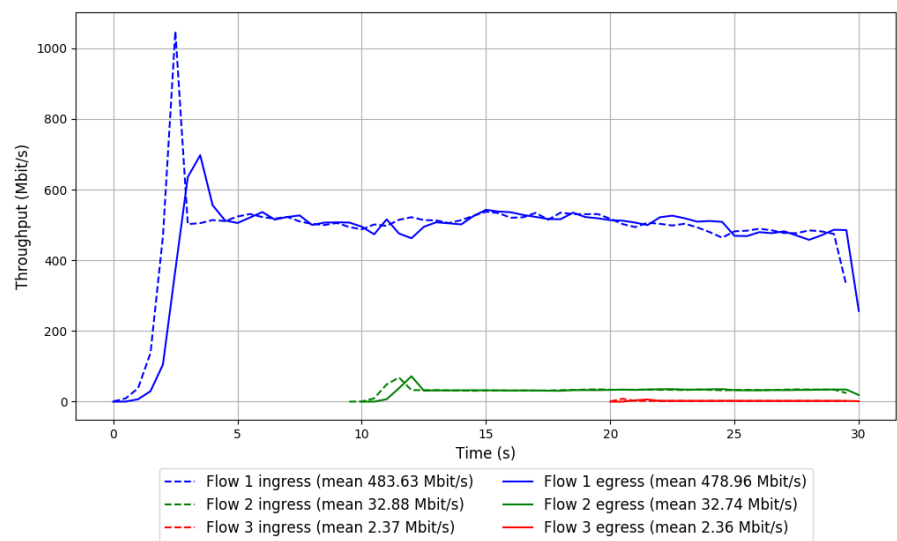
-- Flow 3:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 210.873 ms

Loss rate: 2.41%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-10 17:41:14

End at: 2018-08-10 17:41:44

Local clock offset: 0.221 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-08-10 23:22:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 447.91 Mbit/s

95th percentile per-packet one-way delay: 143.381 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 425.82 Mbit/s

95th percentile per-packet one-way delay: 144.875 ms

Loss rate: 1.46%

-- Flow 2:

Average throughput: 17.23 Mbit/s

95th percentile per-packet one-way delay: 112.995 ms

Loss rate: 1.04%

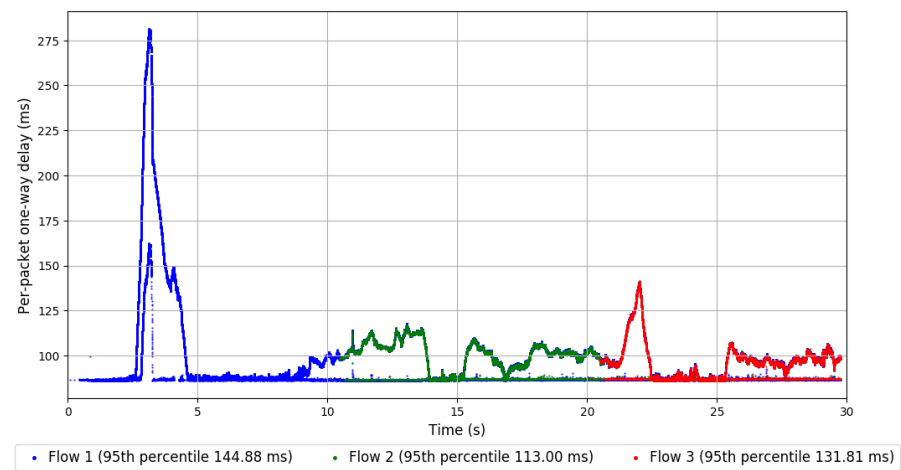
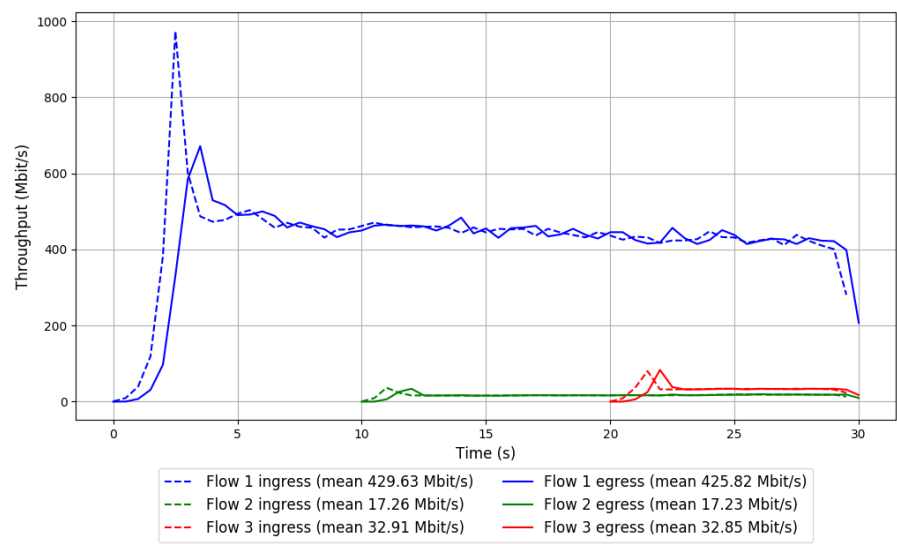
-- Flow 3:

Average throughput: 32.85 Mbit/s

95th percentile per-packet one-way delay: 131.812 ms

Loss rate: 1.95%

Run 3: Report of PCC-Allegro — Data Link

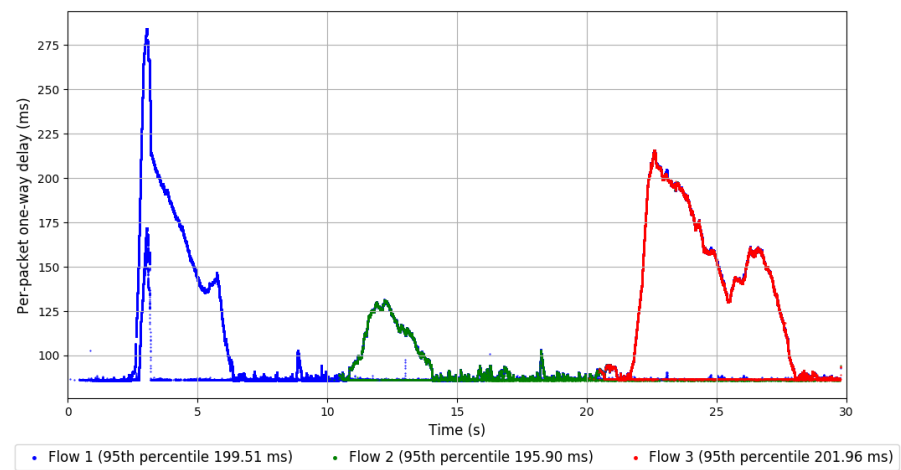
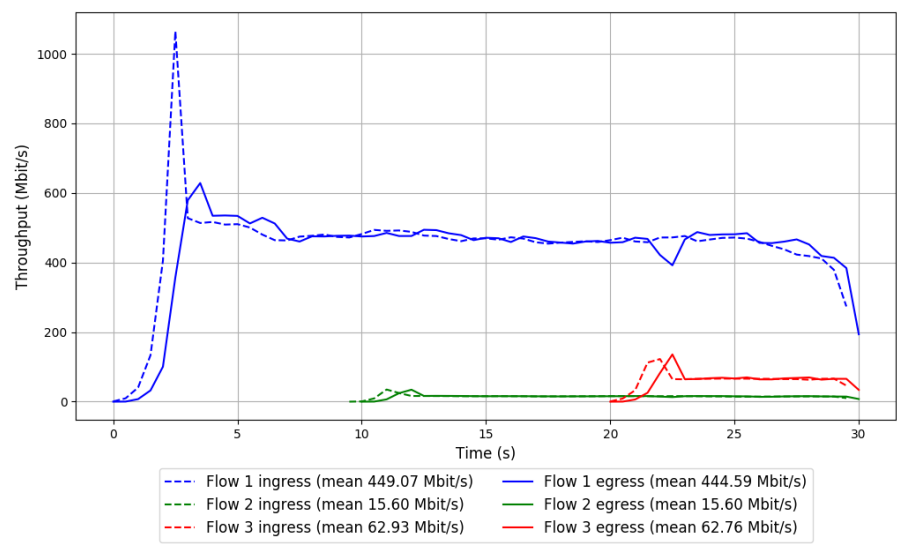


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-10 18:07:12
End at: 2018-08-10 18:07:42
Local clock offset: 0.147 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-08-10 23:24:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 475.37 Mbit/s
95th percentile per-packet one-way delay: 199.621 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 444.59 Mbit/s
95th percentile per-packet one-way delay: 199.514 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 195.902 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: 201.956 ms
Loss rate: 2.02%

Run 4: Report of PCC-Allegro — Data Link

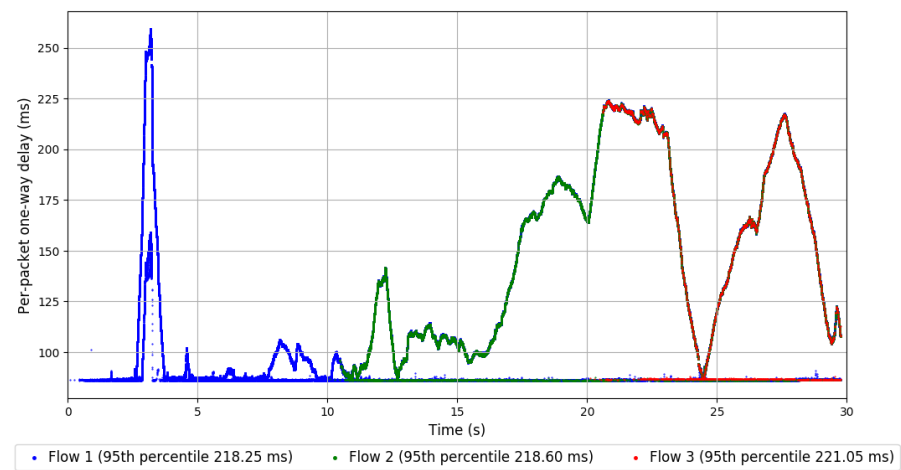
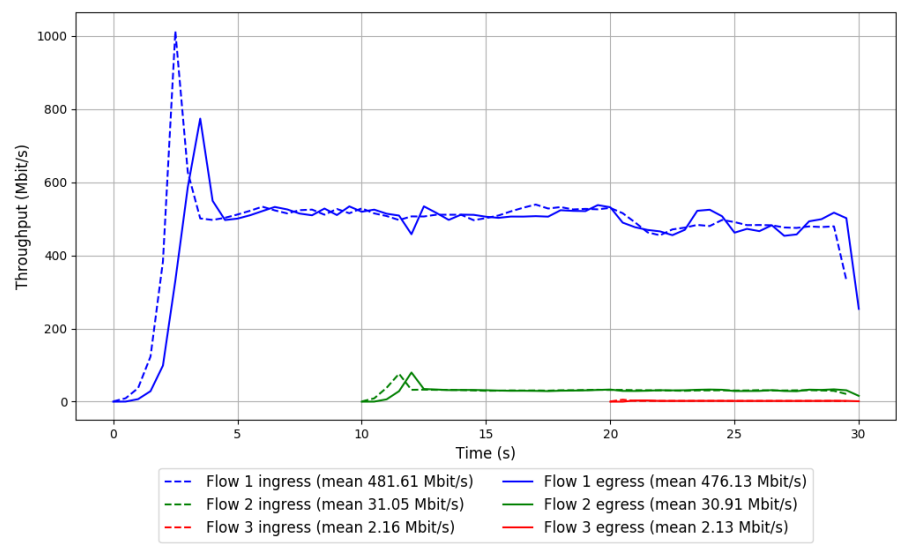


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-10 18:33:40
End at: 2018-08-10 18:34:10
Local clock offset: 1.208 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-08-10 23:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.23 Mbit/s
95th percentile per-packet one-way delay: 218.289 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 476.13 Mbit/s
95th percentile per-packet one-way delay: 218.249 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 218.603 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 221.047 ms
Loss rate: 3.32%

Run 5: Report of PCC-Allegro — Data Link

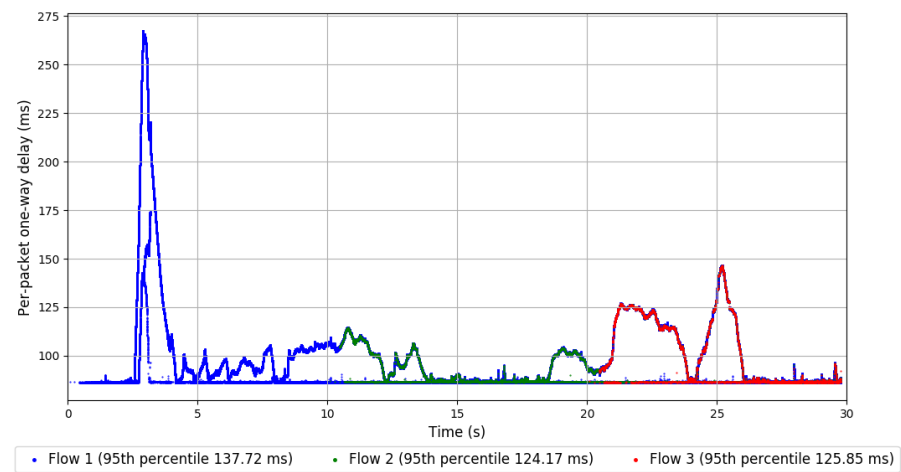
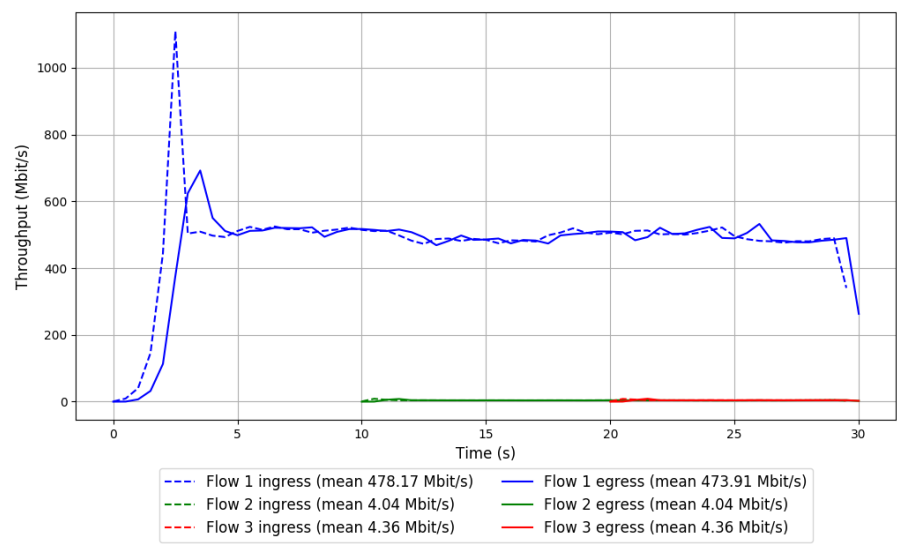


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-10 19:00:13
End at: 2018-08-10 19:00:43
Local clock offset: 0.465 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-08-10 23:28:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.93 Mbit/s
95th percentile per-packet one-way delay: 137.258 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 473.91 Mbit/s
95th percentile per-packet one-way delay: 137.725 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 124.170 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 125.850 ms
Loss rate: 1.88%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-10 19:26:32

End at: 2018-08-10 19:27:02

Local clock offset: 0.144 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-10 23:30:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 509.32 Mbit/s

95th percentile per-packet one-way delay: 211.008 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 460.27 Mbit/s

95th percentile per-packet one-way delay: 211.011 ms

Loss rate: 1.91%

-- Flow 2:

Average throughput: 58.22 Mbit/s

95th percentile per-packet one-way delay: 210.566 ms

Loss rate: 1.41%

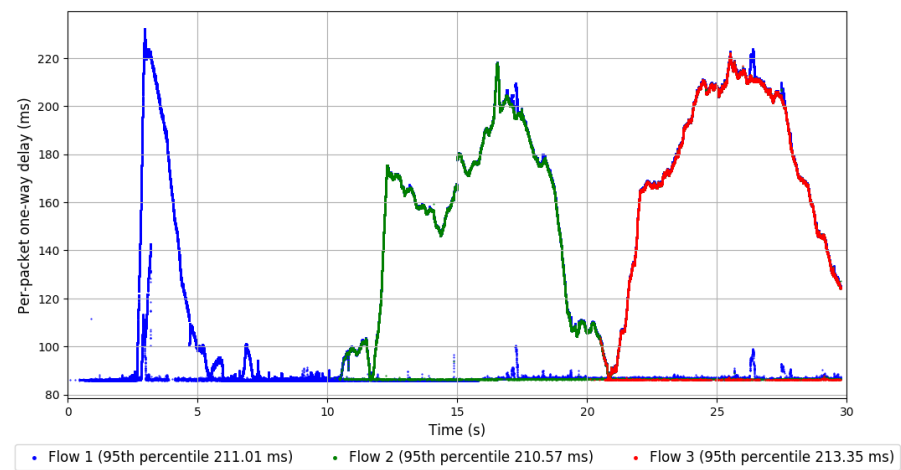
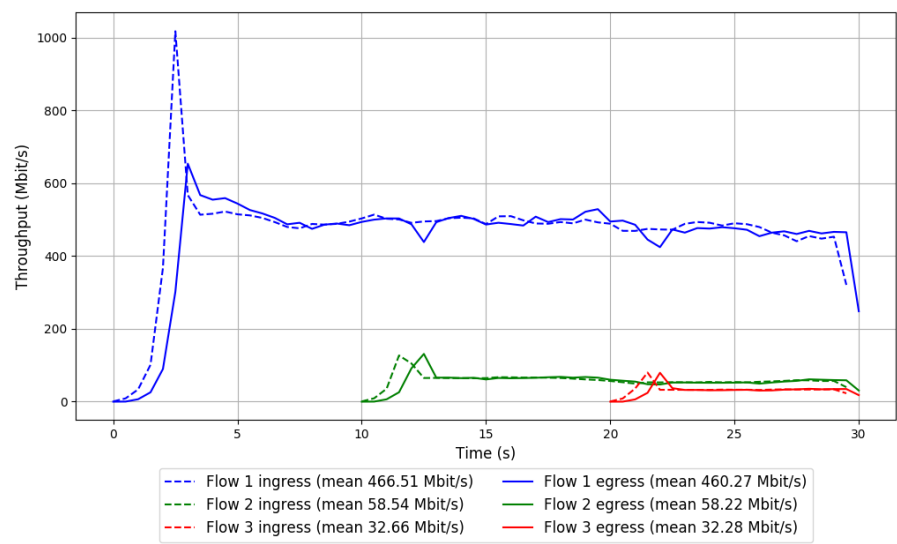
-- Flow 3:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 213.348 ms

Loss rate: 2.91%

Run 7: Report of PCC-Allegro — Data Link

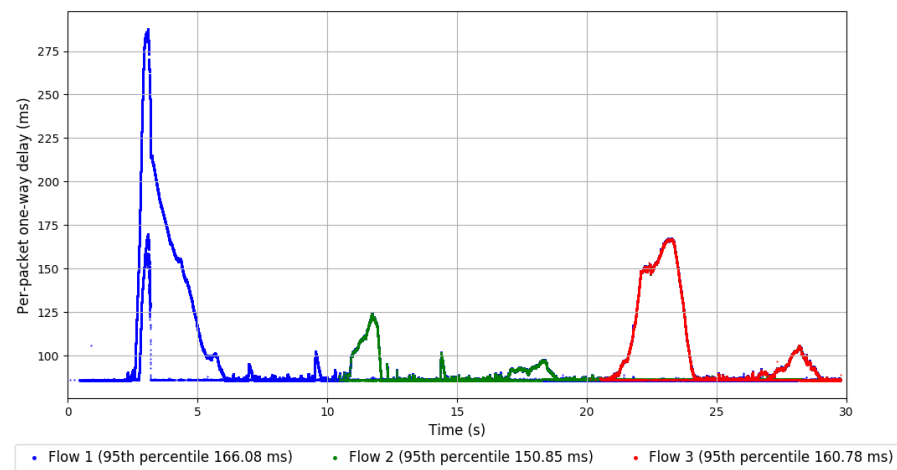
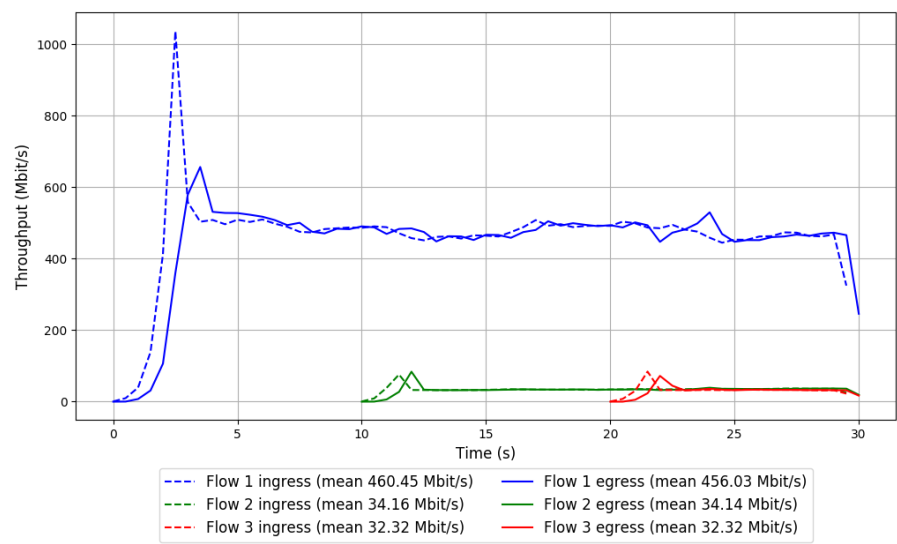


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-10 19:53:00
End at: 2018-08-10 19:53:30
Local clock offset: -0.005 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-08-10 23:30:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 489.09 Mbit/s
95th percentile per-packet one-way delay: 165.522 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 456.03 Mbit/s
95th percentile per-packet one-way delay: 166.078 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 150.855 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 160.784 ms
Loss rate: 1.76%

Run 8: Report of PCC-Allegro — Data Link

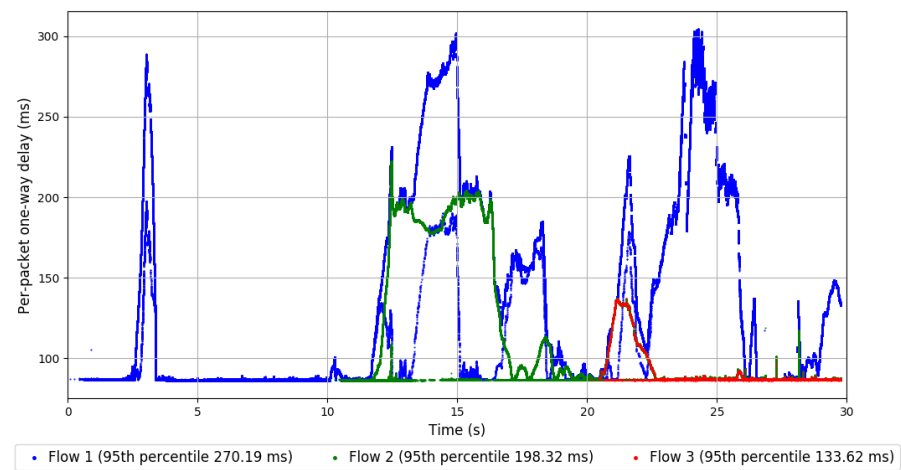
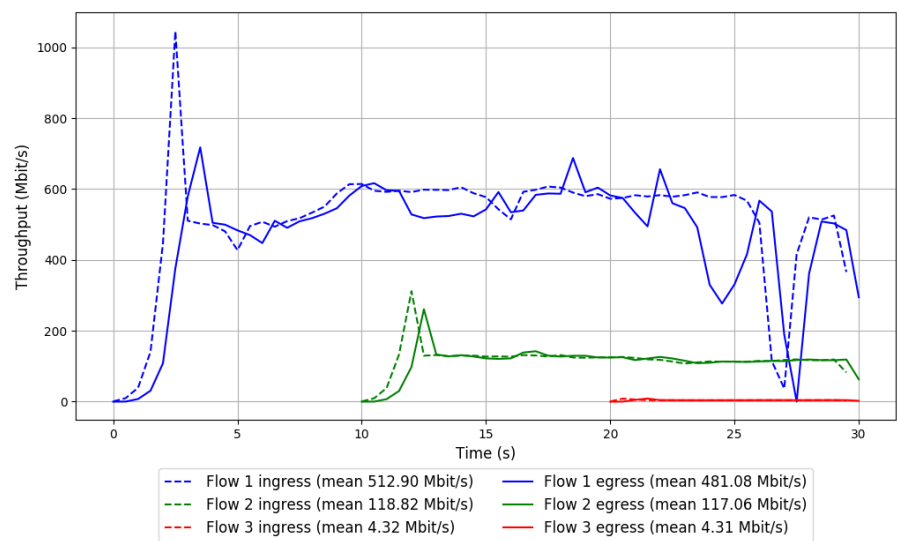


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-10 20:19:39
End at: 2018-08-10 20:20:09
Local clock offset: 0.044 ms
Remote clock offset: -33.031 ms

Below is generated by plot.py at 2018-08-10 23:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 560.08 Mbit/s
95th percentile per-packet one-way delay: 266.169 ms
Loss rate: 6.14%
-- Flow 1:
Average throughput: 481.08 Mbit/s
95th percentile per-packet one-way delay: 270.195 ms
Loss rate: 6.74%
-- Flow 2:
Average throughput: 117.06 Mbit/s
95th percentile per-packet one-way delay: 198.320 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 133.618 ms
Loss rate: 1.88%

Run 9: Report of PCC-Allegro — Data Link

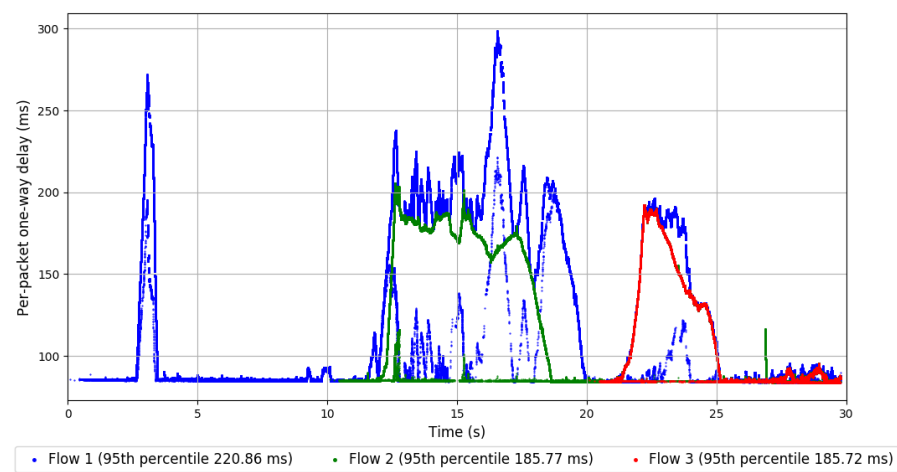
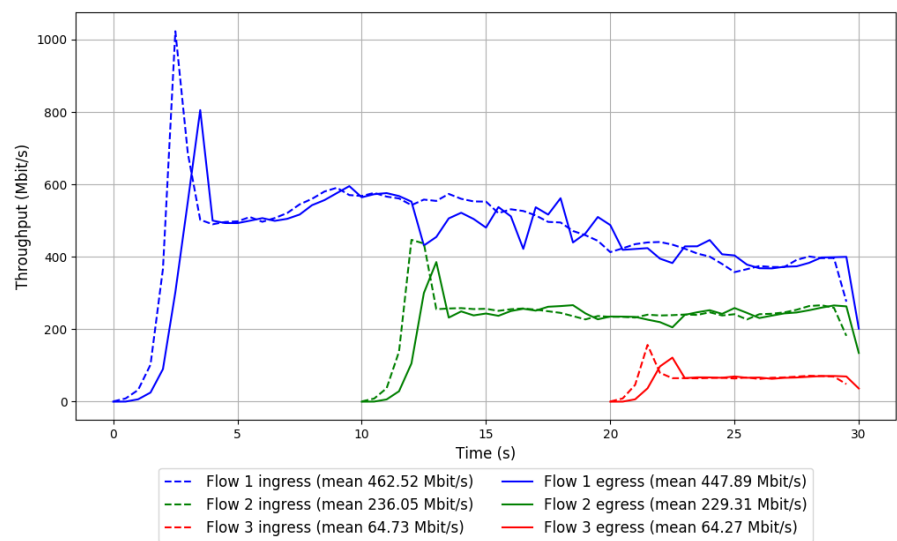


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-10 20:47:05
End at: 2018-08-10 20:47:35
Local clock offset: 0.024 ms
Remote clock offset: -84.987 ms

Below is generated by plot.py at 2018-08-10 23:34:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 620.80 Mbit/s
95th percentile per-packet one-way delay: 212.575 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 447.89 Mbit/s
95th percentile per-packet one-way delay: 220.860 ms
Loss rate: 3.72%
-- Flow 2:
Average throughput: 229.31 Mbit/s
95th percentile per-packet one-way delay: 185.767 ms
Loss rate: 3.71%
-- Flow 3:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 185.720 ms
Loss rate: 2.45%

Run 10: Report of PCC-Allegro — Data Link

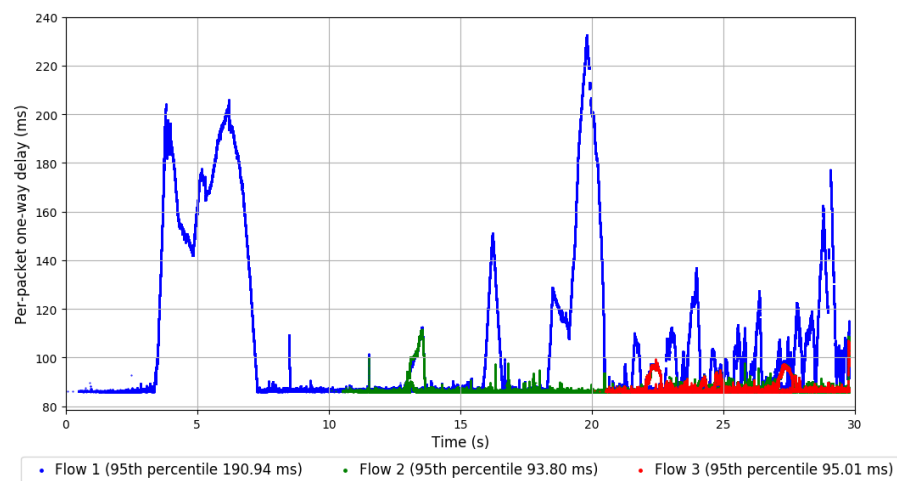
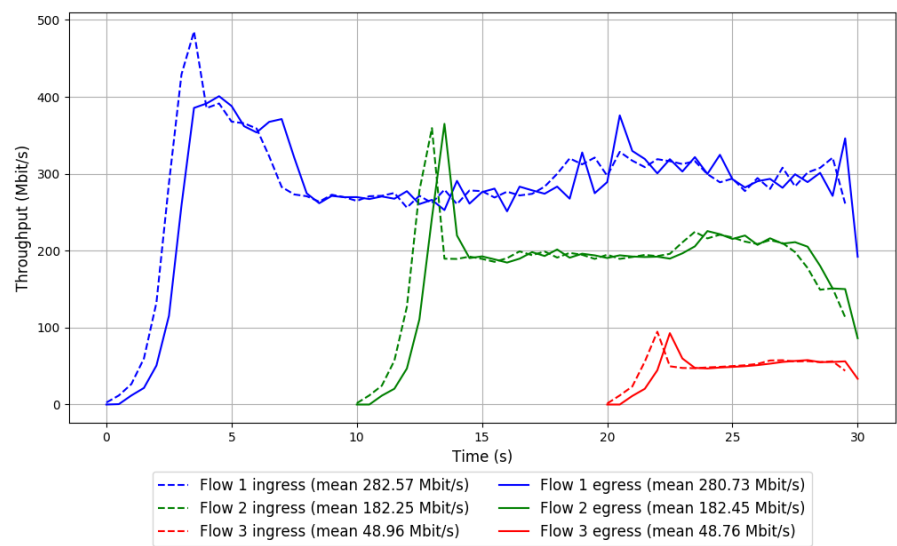


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-10 16:44:30
End at: 2018-08-10 16:45:00
Local clock offset: -0.065 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-08-10 23:37:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 417.58 Mbit/s
95th percentile per-packet one-way delay: 183.727 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 280.73 Mbit/s
95th percentile per-packet one-way delay: 190.941 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 182.45 Mbit/s
95th percentile per-packet one-way delay: 93.798 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 95.007 ms
Loss rate: 2.15%
```


Run 1: Report of PCC-Expr — Data Link

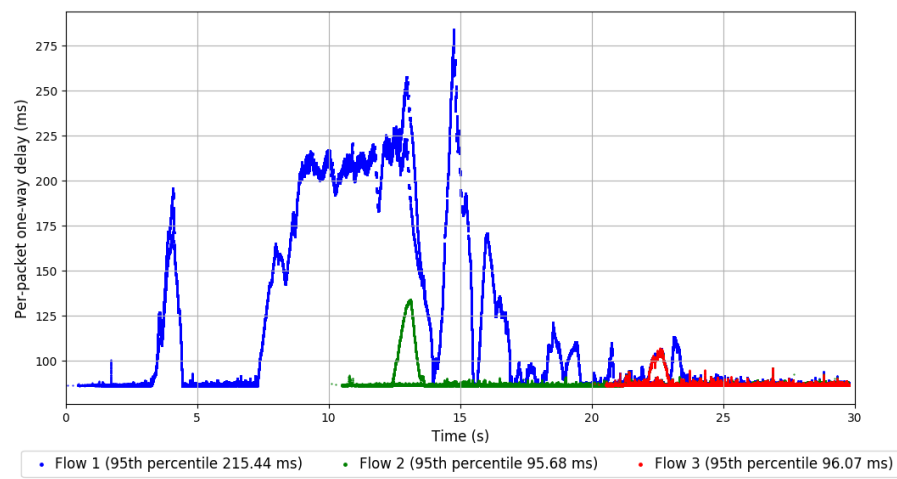
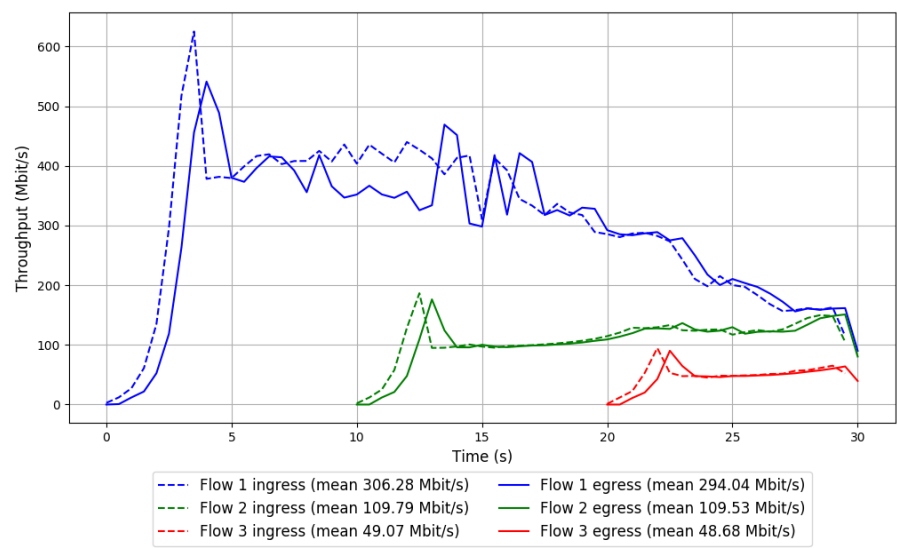


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-10 17:10:57
End at: 2018-08-10 17:11:27
Local clock offset: -0.155 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-08-10 23:39:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 382.52 Mbit/s
95th percentile per-packet one-way delay: 213.005 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 294.04 Mbit/s
95th percentile per-packet one-way delay: 215.443 ms
Loss rate: 4.55%
-- Flow 2:
Average throughput: 109.53 Mbit/s
95th percentile per-packet one-way delay: 95.683 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 96.070 ms
Loss rate: 2.59%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-10 17:37:27

End at: 2018-08-10 17:37:57

Local clock offset: -0.103 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-08-10 23:43:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 355.82 Mbit/s

95th percentile per-packet one-way delay: 210.779 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 219.47 Mbit/s

95th percentile per-packet one-way delay: 219.049 ms

Loss rate: 2.36%

-- Flow 2:

Average throughput: 162.88 Mbit/s

95th percentile per-packet one-way delay: 100.744 ms

Loss rate: 0.83%

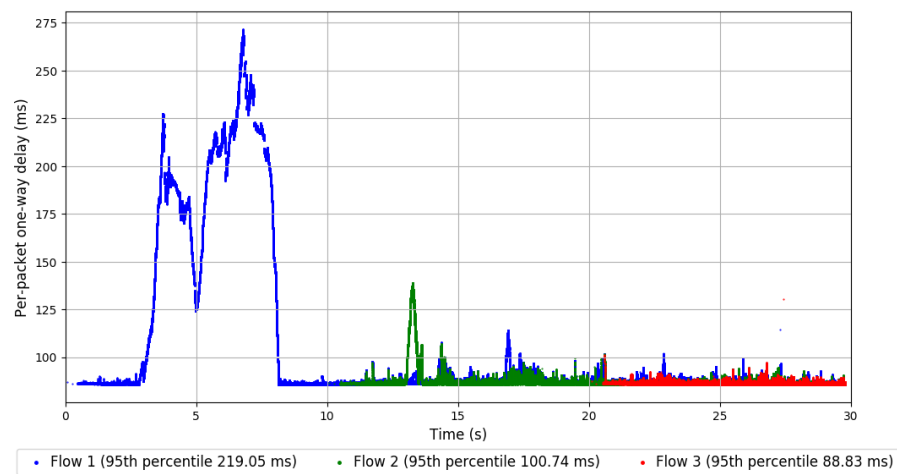
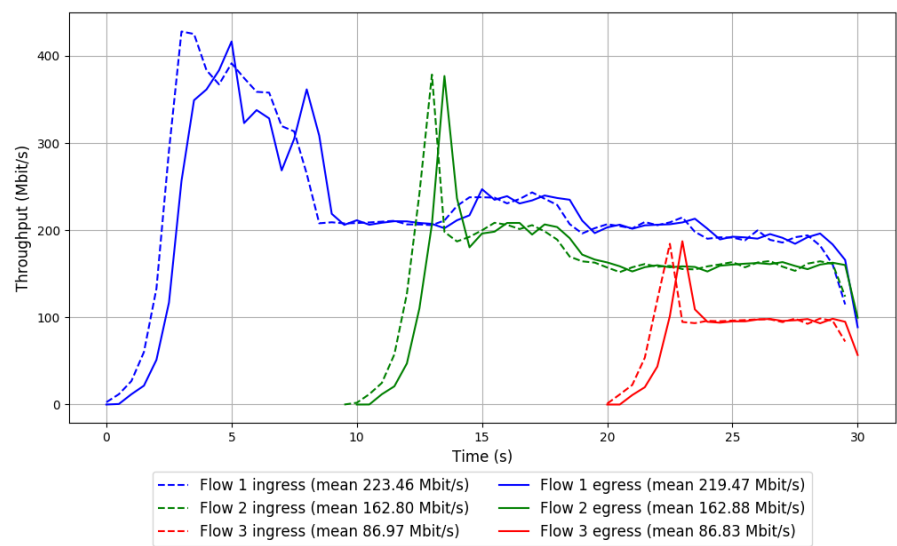
-- Flow 3:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 88.835 ms

Loss rate: 1.92%

Run 3: Report of PCC-Expr — Data Link

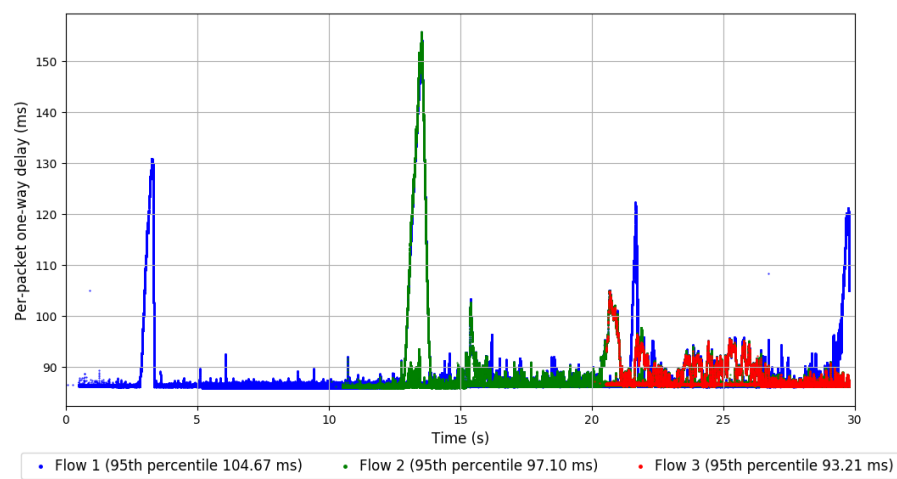
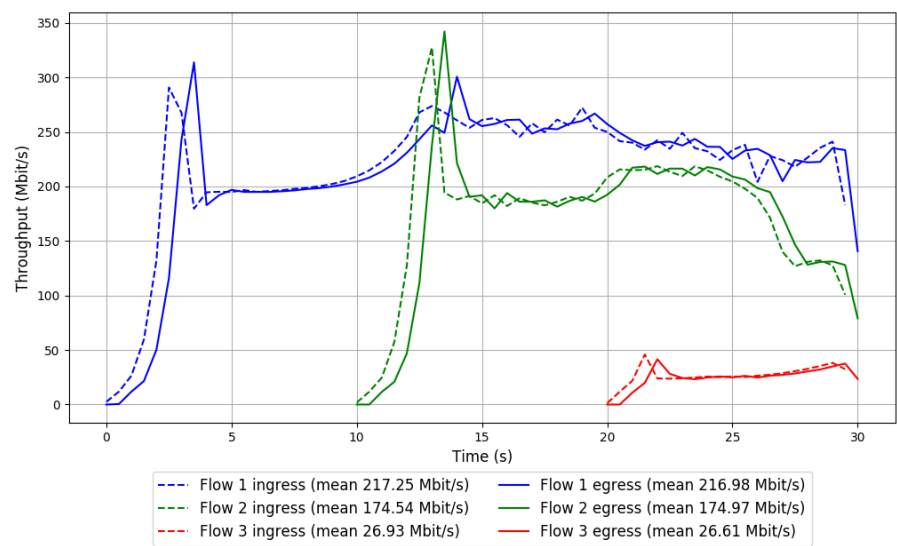


Run 4: Statistics of PCC-Expr

Start at: 2018-08-10 18:03:23
End at: 2018-08-10 18:03:53
Local clock offset: 0.115 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-10 23:43:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.69 Mbit/s
95th percentile per-packet one-way delay: 101.424 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 216.98 Mbit/s
95th percentile per-packet one-way delay: 104.670 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 174.97 Mbit/s
95th percentile per-packet one-way delay: 97.098 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 26.61 Mbit/s
95th percentile per-packet one-way delay: 93.212 ms
Loss rate: 3.01%

Run 4: Report of PCC-Expr — Data Link

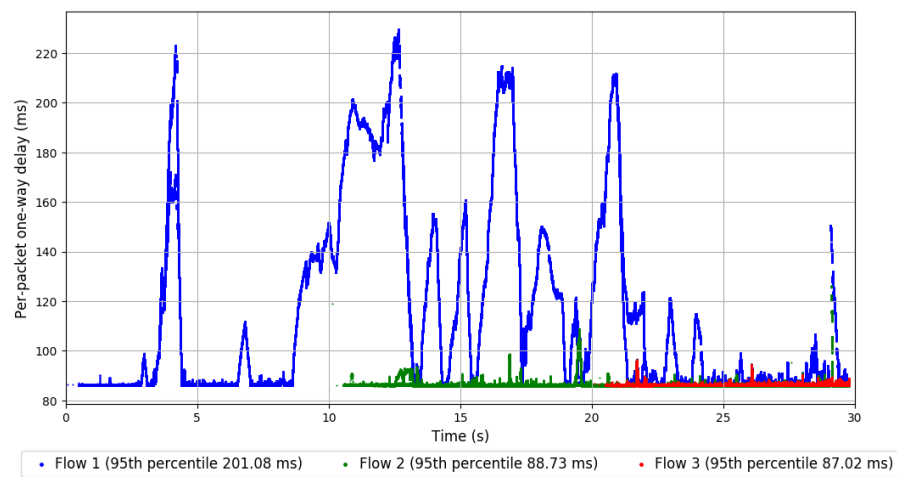
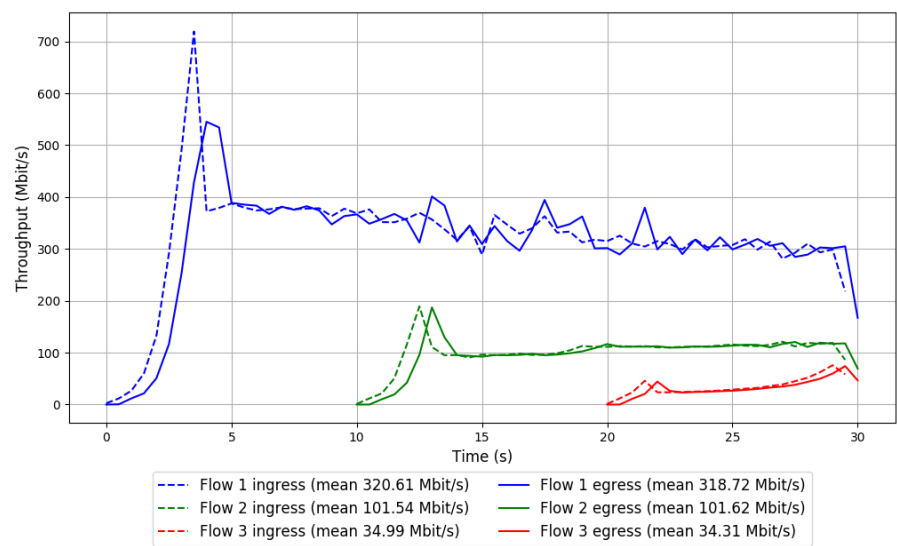


Run 5: Statistics of PCC-Expr

Start at: 2018-08-10 18:29:46
End at: 2018-08-10 18:30:16
Local clock offset: 0.955 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-08-10 23:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 397.18 Mbit/s
95th percentile per-packet one-way delay: 198.047 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 318.72 Mbit/s
95th percentile per-packet one-way delay: 201.083 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 101.62 Mbit/s
95th percentile per-packet one-way delay: 88.734 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 87.022 ms
Loss rate: 3.76%

Run 5: Report of PCC-Expr — Data Link

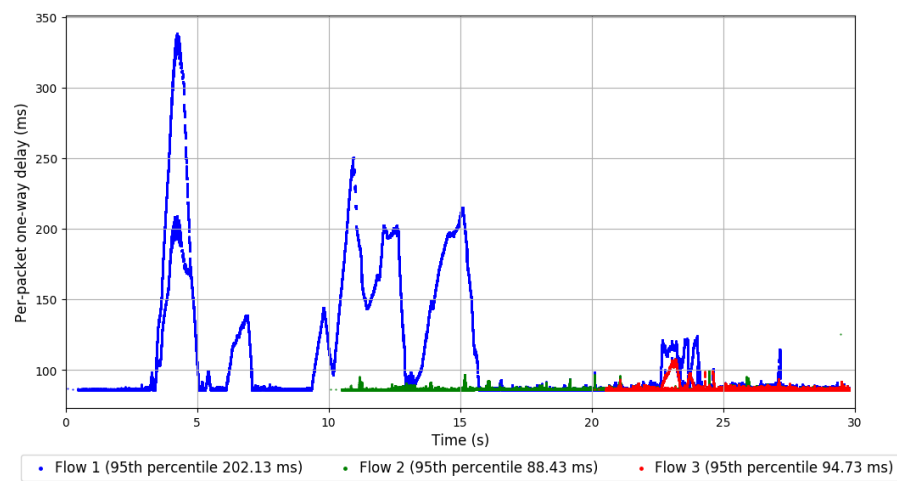
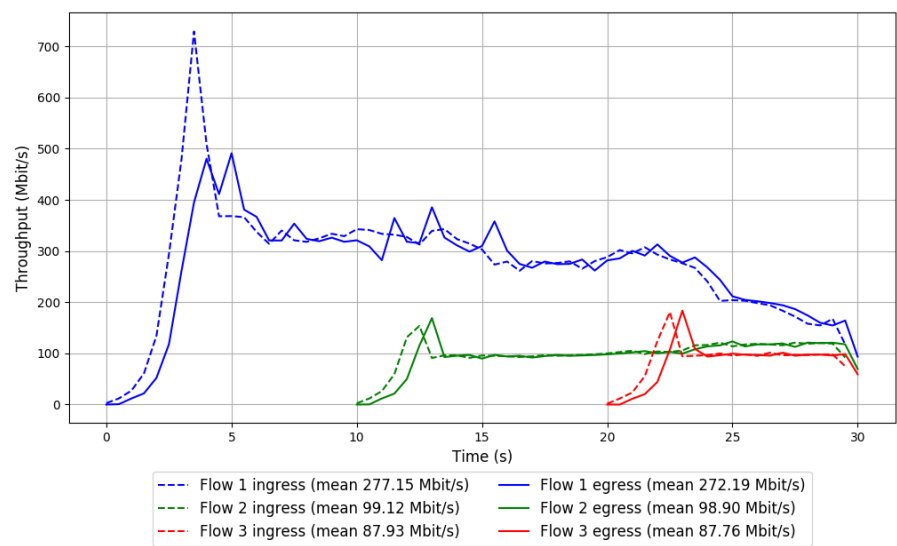


Run 6: Statistics of PCC-Expr

Start at: 2018-08-10 18:56:23
End at: 2018-08-10 18:56:53
Local clock offset: 0.246 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-08-10 23:46:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.40 Mbit/s
95th percentile per-packet one-way delay: 198.926 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 272.19 Mbit/s
95th percentile per-packet one-way delay: 202.133 ms
Loss rate: 2.36%
-- Flow 2:
Average throughput: 98.90 Mbit/s
95th percentile per-packet one-way delay: 88.433 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 94.731 ms
Loss rate: 1.94%

Run 6: Report of PCC-Expr — Data Link

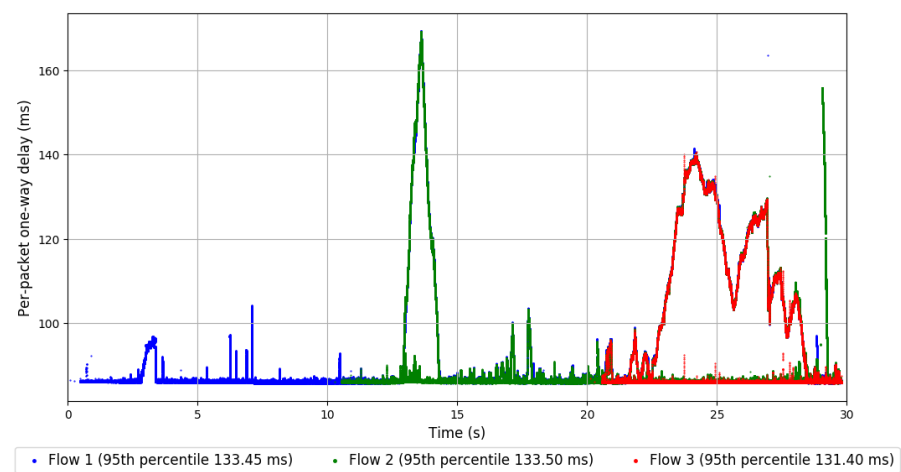
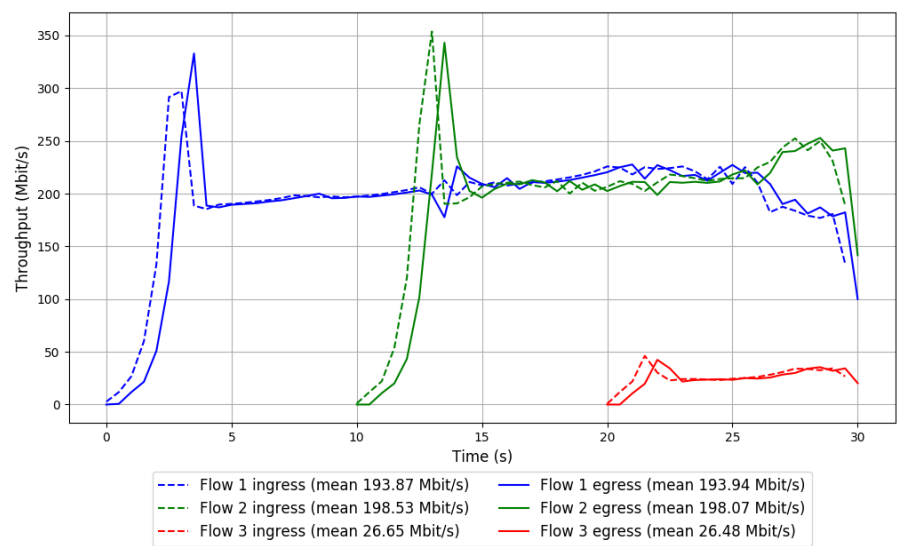


Run 7: Statistics of PCC-Expr

Start at: 2018-08-10 19:22:41
End at: 2018-08-10 19:23:11
Local clock offset: 0.156 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-10 23:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.89 Mbit/s
95th percentile per-packet one-way delay: 133.414 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 193.94 Mbit/s
95th percentile per-packet one-way delay: 133.450 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 198.07 Mbit/s
95th percentile per-packet one-way delay: 133.499 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 26.48 Mbit/s
95th percentile per-packet one-way delay: 131.402 ms
Loss rate: 2.36%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-10 19:49:07

End at: 2018-08-10 19:49:37

Local clock offset: 0.203 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-08-10 23:51:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 406.65 Mbit/s

95th percentile per-packet one-way delay: 147.876 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 261.61 Mbit/s

95th percentile per-packet one-way delay: 159.554 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 174.74 Mbit/s

95th percentile per-packet one-way delay: 103.992 ms

Loss rate: 0.85%

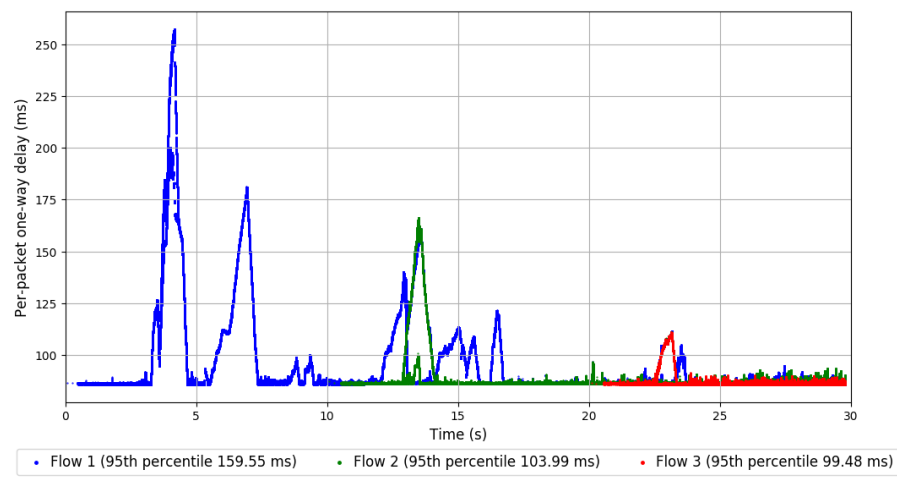
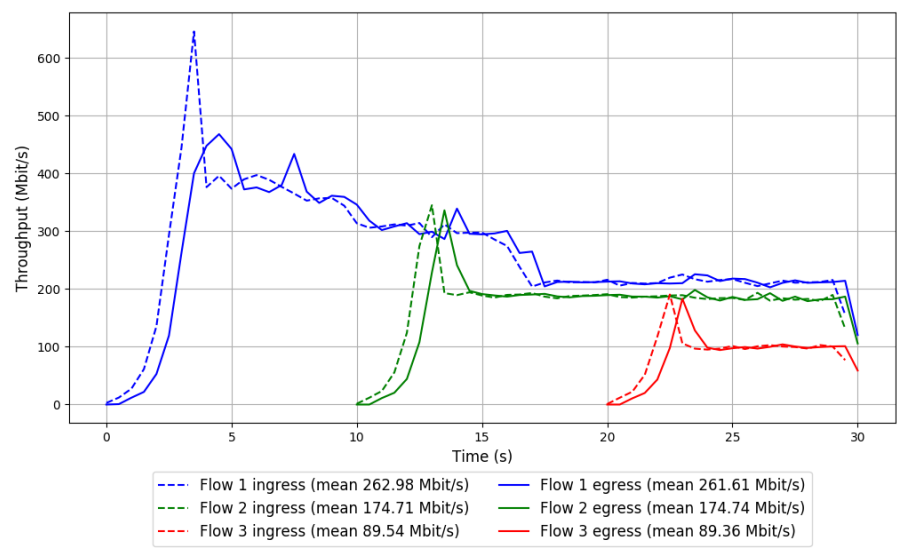
-- Flow 3:

Average throughput: 89.36 Mbit/s

95th percentile per-packet one-way delay: 99.481 ms

Loss rate: 1.99%

Run 8: Report of PCC-Expr — Data Link

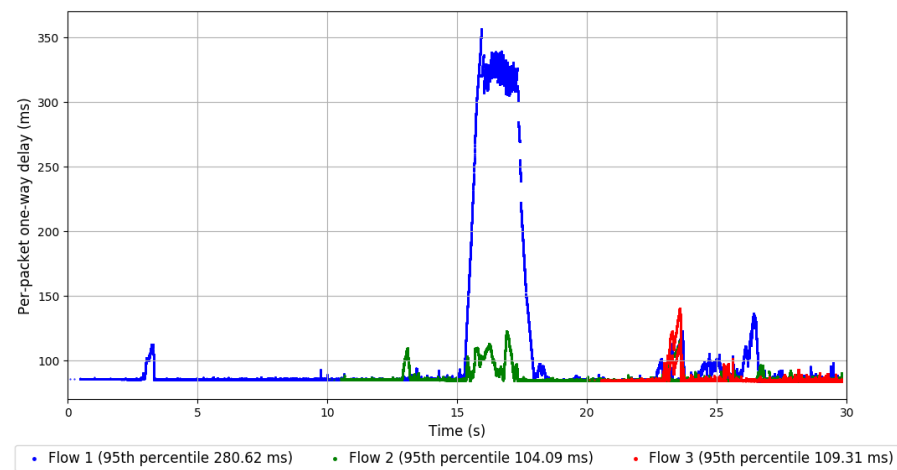
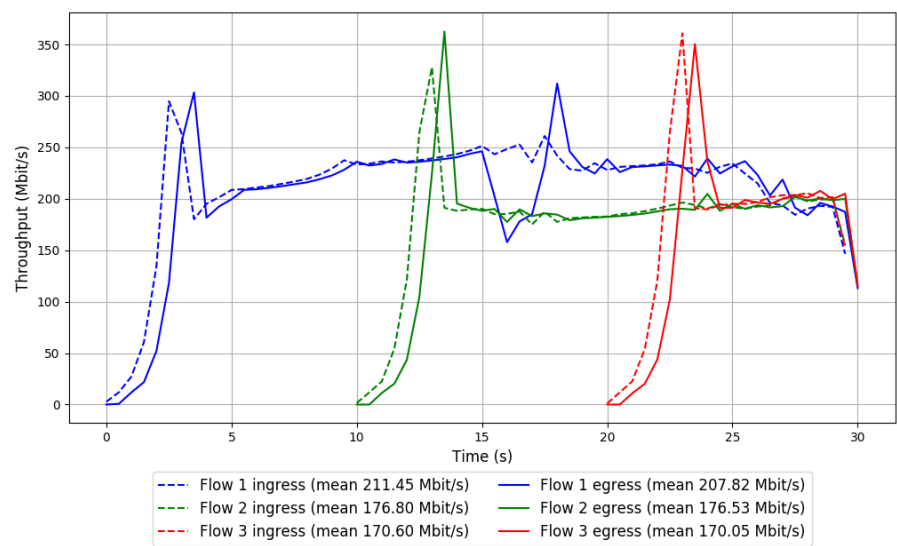


Run 9: Statistics of PCC-Expr

Start at: 2018-08-10 20:15:45
End at: 2018-08-10 20:16:15
Local clock offset: -0.192 ms
Remote clock offset: -29.389 ms

Below is generated by plot.py at 2018-08-10 23:54:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 380.35 Mbit/s
95th percentile per-packet one-way delay: 121.550 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 207.82 Mbit/s
95th percentile per-packet one-way delay: 280.616 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 176.53 Mbit/s
95th percentile per-packet one-way delay: 104.092 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 170.05 Mbit/s
95th percentile per-packet one-way delay: 109.310 ms
Loss rate: 2.07%

Run 9: Report of PCC-Expr — Data Link

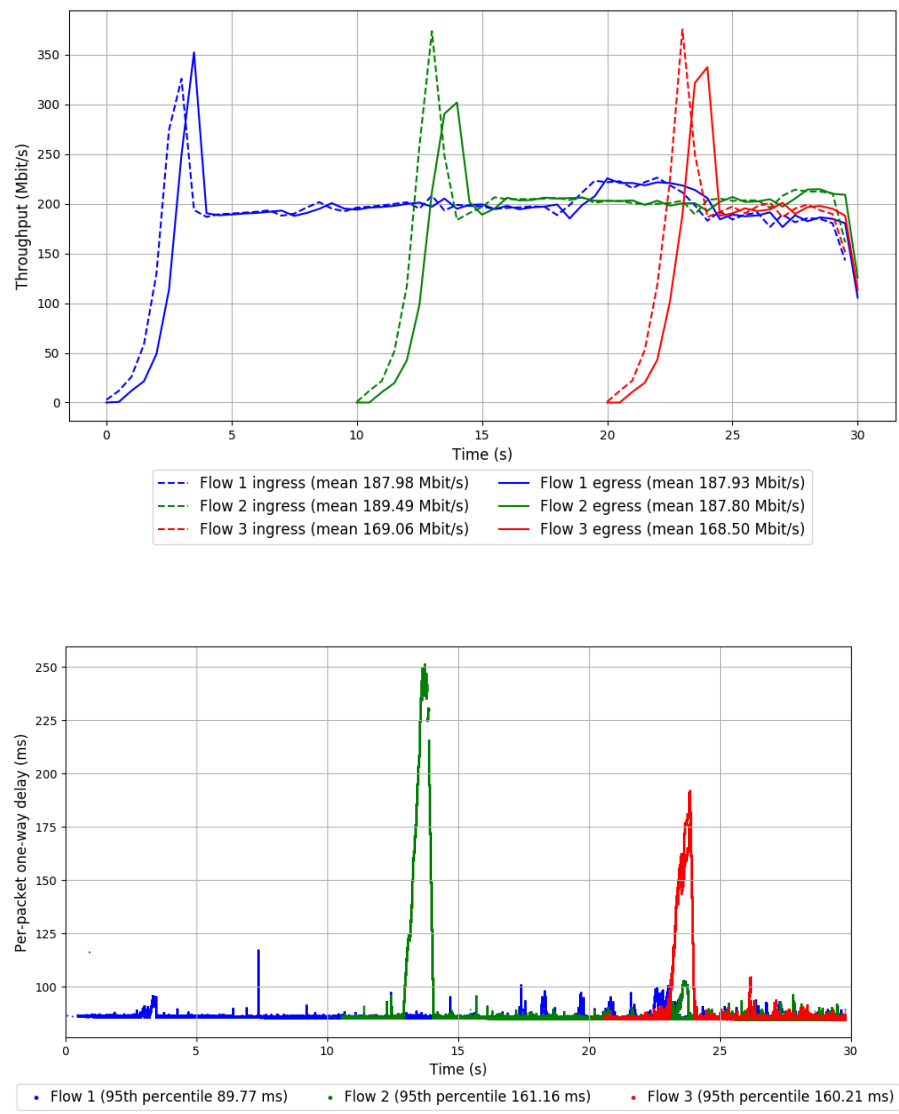


Run 10: Statistics of PCC-Expr

Start at: 2018-08-10 20:43:11
End at: 2018-08-10 20:43:41
Local clock offset: 0.042 ms
Remote clock offset: -75.014 ms

Below is generated by plot.py at 2018-08-10 23:55:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.39 Mbit/s
95th percentile per-packet one-way delay: 112.751 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 187.93 Mbit/s
95th percentile per-packet one-way delay: 89.767 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 187.80 Mbit/s
95th percentile per-packet one-way delay: 161.165 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 168.50 Mbit/s
95th percentile per-packet one-way delay: 160.207 ms
Loss rate: 2.08%

Run 10: Report of PCC-Expr — Data Link

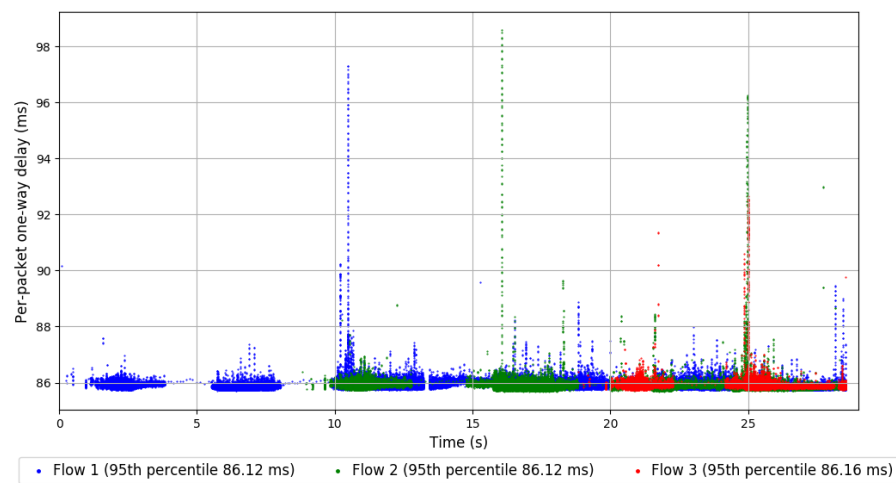
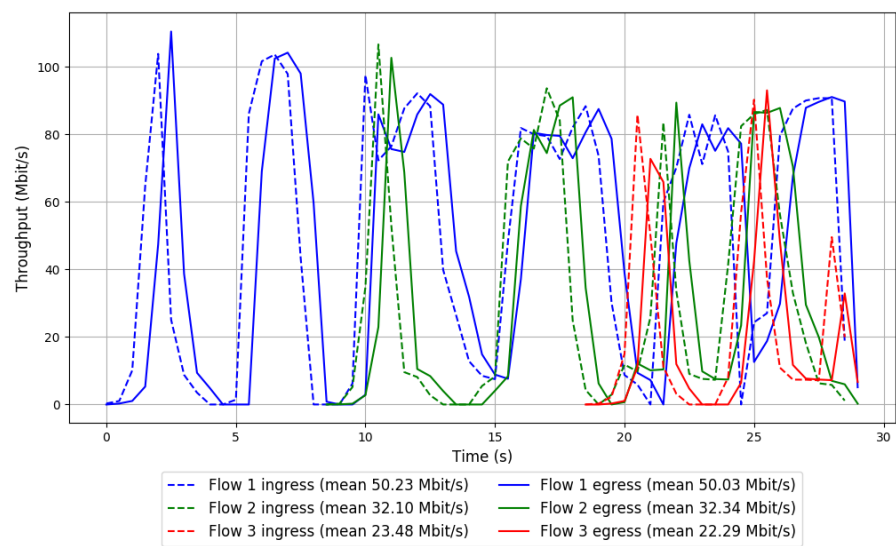


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-10 16:37:02
End at: 2018-08-10 16:37:32
Local clock offset: -0.353 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-10 23:55:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.02 Mbit/s
95th percentile per-packet one-way delay: 86.124 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 86.120 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 86.121 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: 86.157 ms
Loss rate: 6.73%

Run 1: Report of QUIC Cubic — Data Link

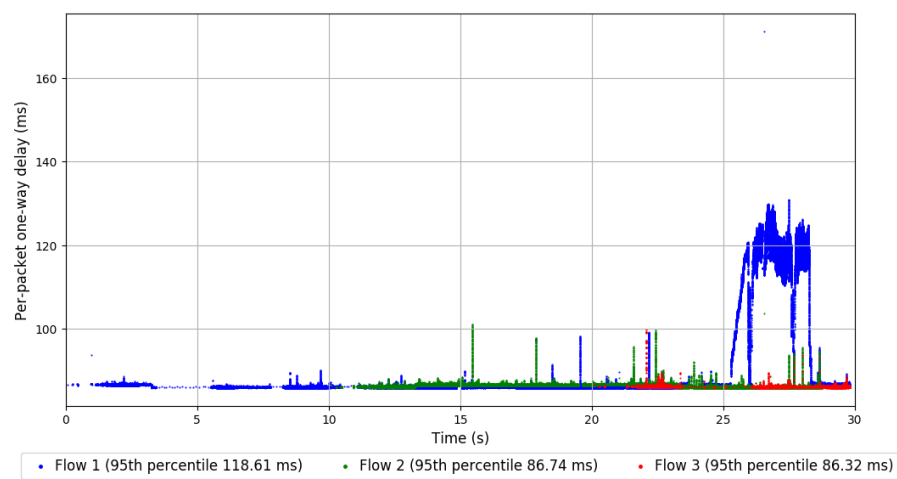
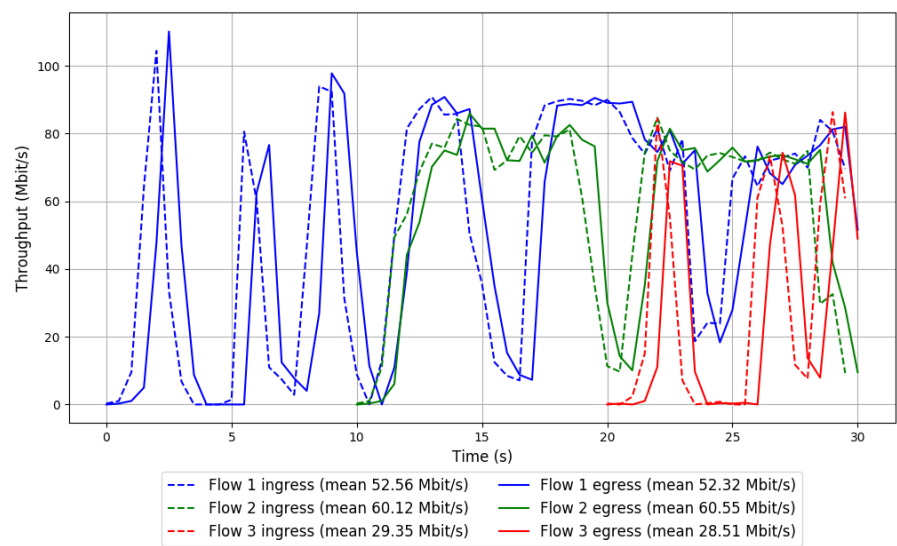


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-10 17:03:25
End at: 2018-08-10 17:03:55
Local clock offset: -0.116 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-10 23:55:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.75 Mbit/s
95th percentile per-packet one-way delay: 113.447 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 52.32 Mbit/s
95th percentile per-packet one-way delay: 118.615 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 86.740 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 86.324 ms
Loss rate: 4.57%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-10 17:30:06

End at: 2018-08-10 17:30:36

Local clock offset: -0.151 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-10 23:55:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 86.670 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 45.04 Mbit/s

95th percentile per-packet one-way delay: 86.750 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 86.614 ms

Loss rate: 1.76%

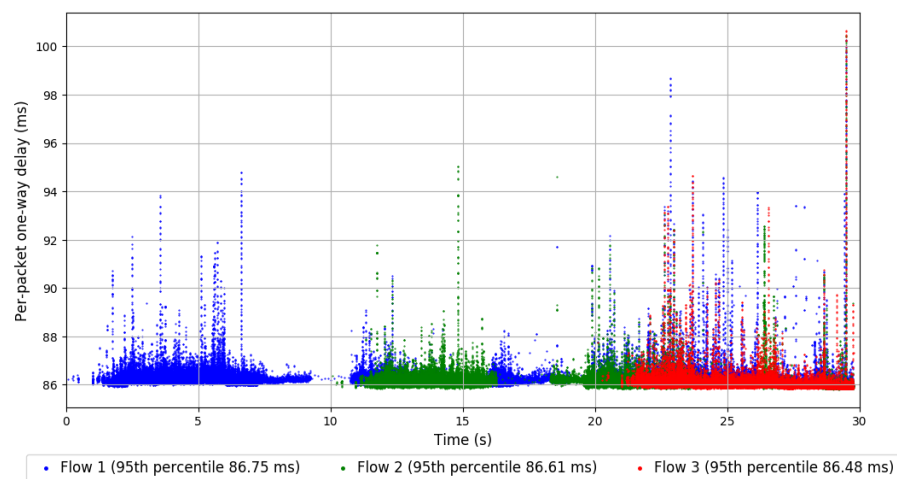
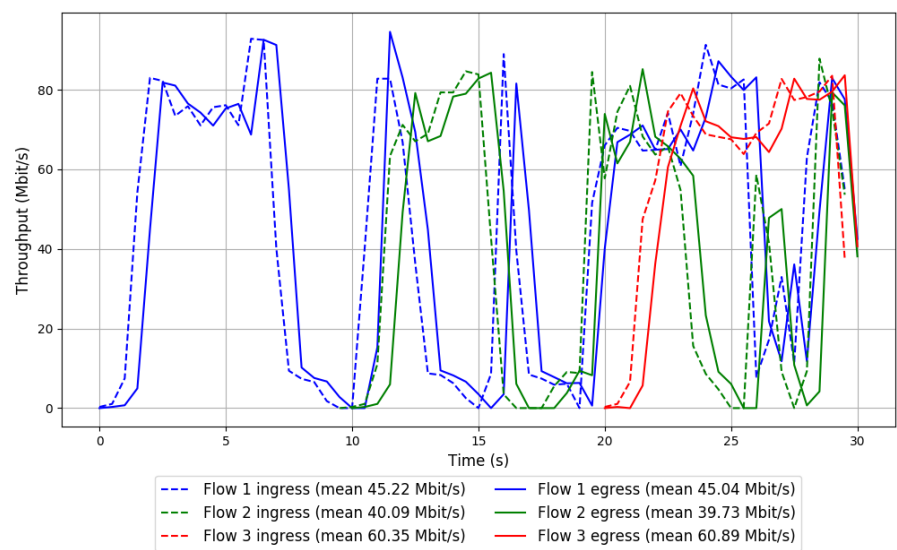
-- Flow 3:

Average throughput: 60.89 Mbit/s

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

Loss rate: 0.88%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-10 17:56:06

End at: 2018-08-10 17:56:36

Local clock offset: -0.141 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-08-10 23:55:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 86.531 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 46.35 Mbit/s

95th percentile per-packet one-way delay: 86.382 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 41.89 Mbit/s

95th percentile per-packet one-way delay: 86.549 ms

Loss rate: 1.58%

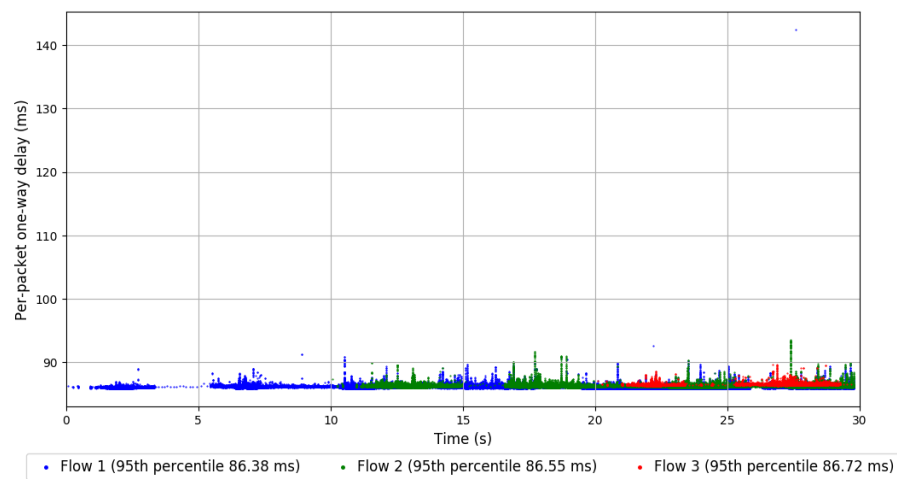
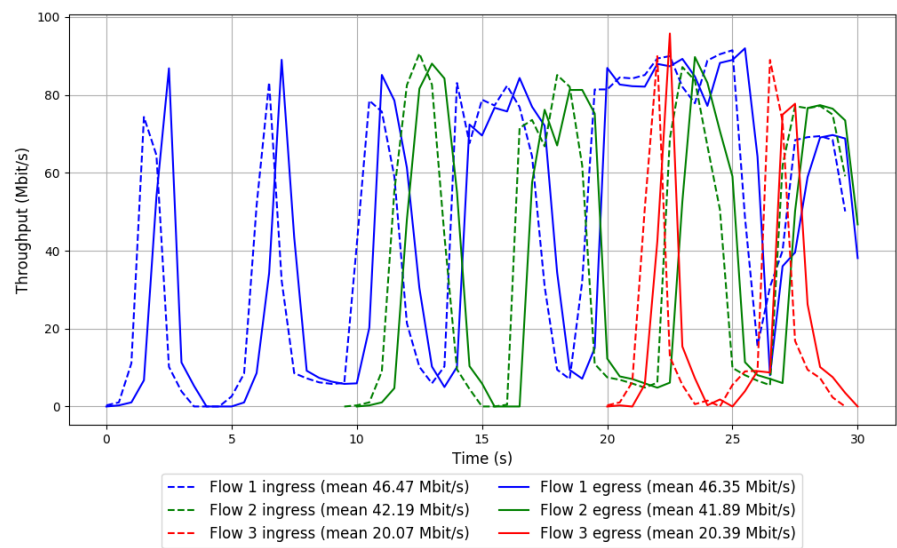
-- Flow 3:

Average throughput: 20.39 Mbit/s

95th percentile per-packet one-way delay: 86.725 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

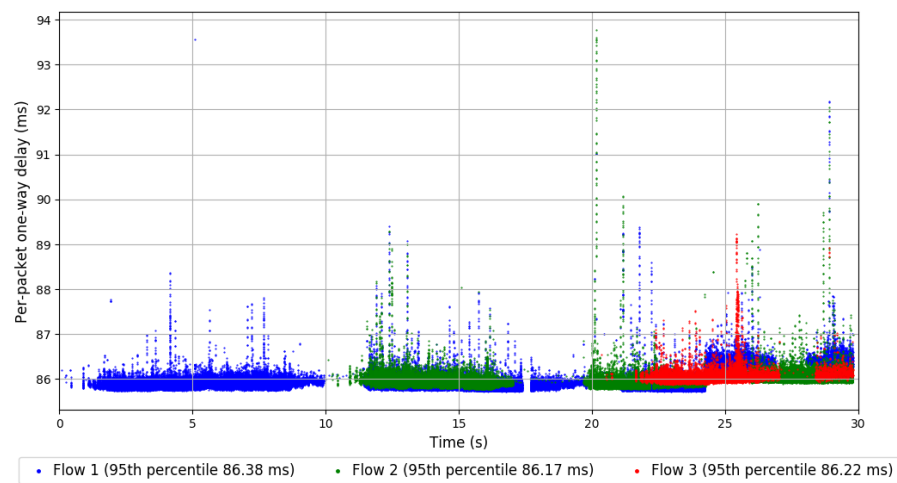
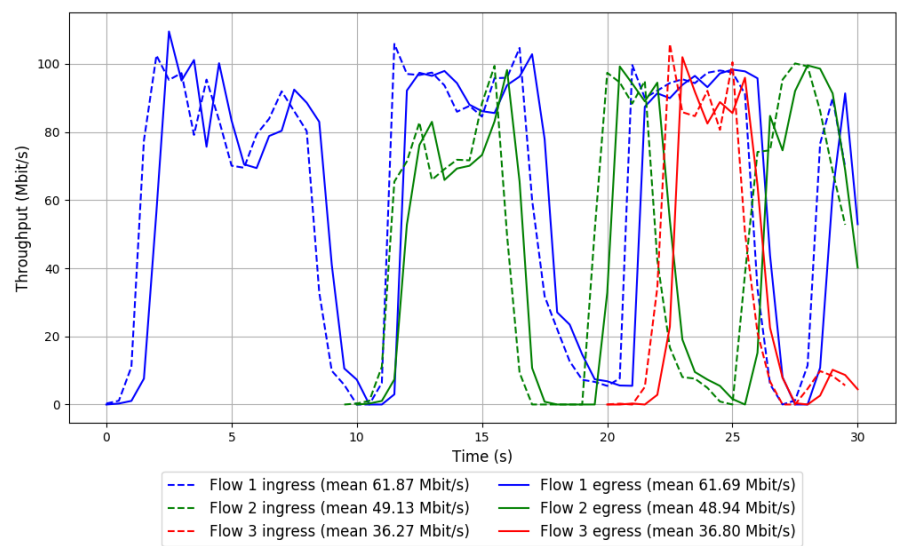


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-10 18:22:14
End at: 2018-08-10 18:22:44
Local clock offset: 0.471 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-10 23:55:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 105.84 Mbit/s
95th percentile per-packet one-way delay: 86.349 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 86.383 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 86.167 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 86.222 ms
Loss rate: 0.35%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-10 18:48:46

End at: 2018-08-10 18:49:16

Local clock offset: 0.368 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-10 23:55:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.60 Mbit/s

95th percentile per-packet one-way delay: 86.535 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 67.57 Mbit/s

95th percentile per-packet one-way delay: 86.549 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 60.96 Mbit/s

95th percentile per-packet one-way delay: 86.516 ms

Loss rate: 0.21%

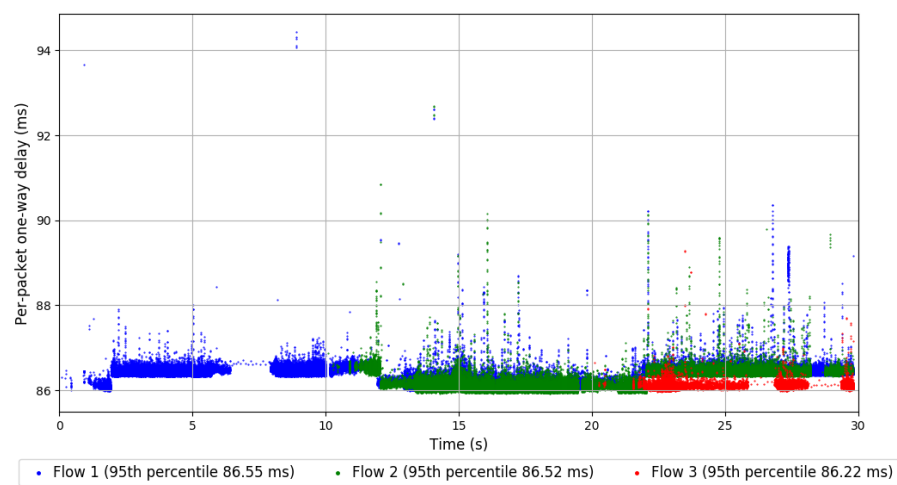
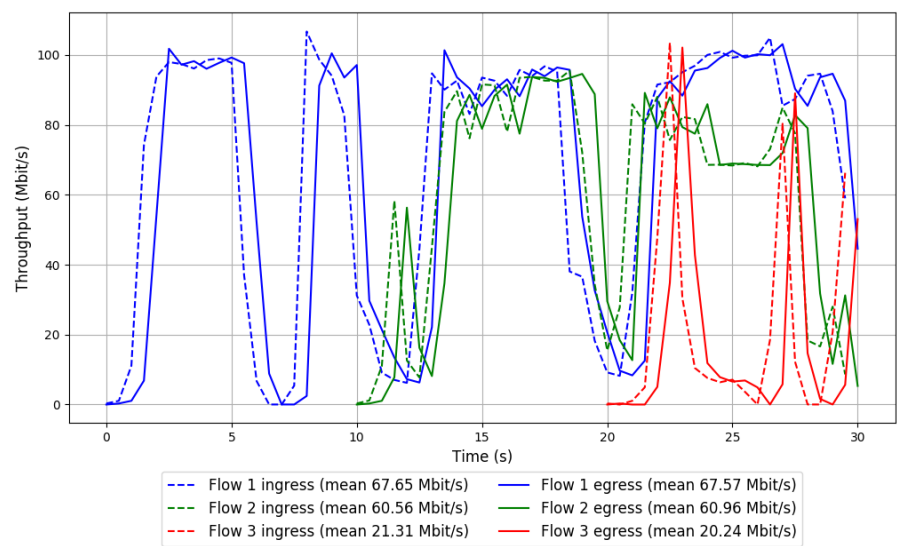
-- Flow 3:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 86.222 ms

Loss rate: 6.71%

Run 6: Report of QUIC Cubic — Data Link

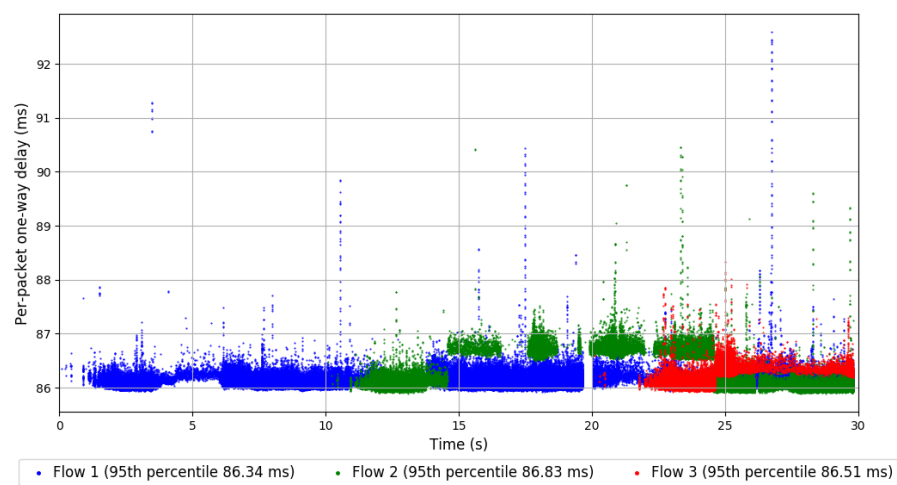
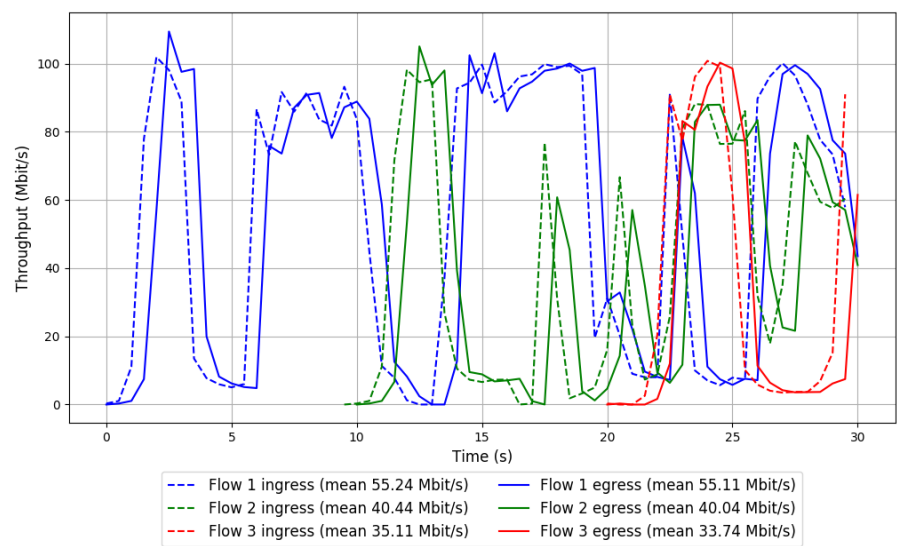


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-10 19:15:14
End at: 2018-08-10 19:15:44
Local clock offset: 0.331 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 86.710 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 55.11 Mbit/s
95th percentile per-packet one-way delay: 86.343 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 86.835 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 86.512 ms
Loss rate: 5.57%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-10 19:41:36

End at: 2018-08-10 19:42:06

Local clock offset: 0.22 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-08-10 23:55:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.85 Mbit/s

95th percentile per-packet one-way delay: 86.460 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 86.330 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 48.36 Mbit/s

95th percentile per-packet one-way delay: 86.029 ms

Loss rate: 1.34%

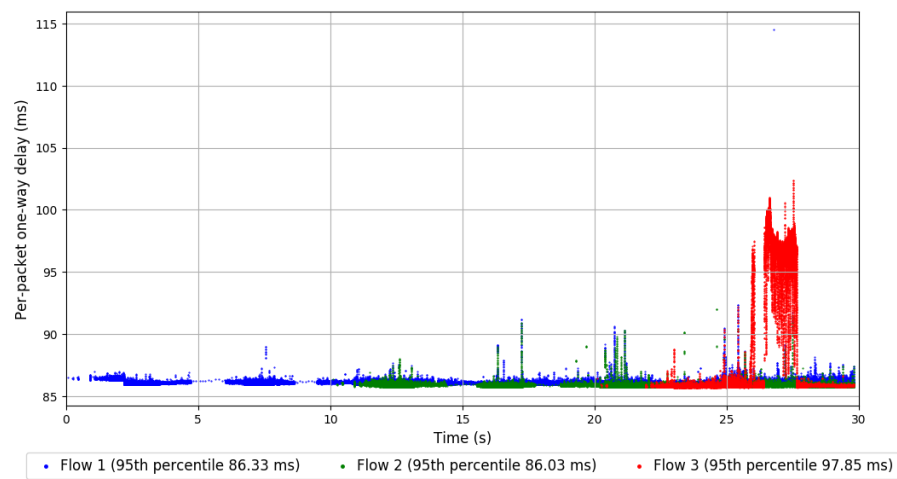
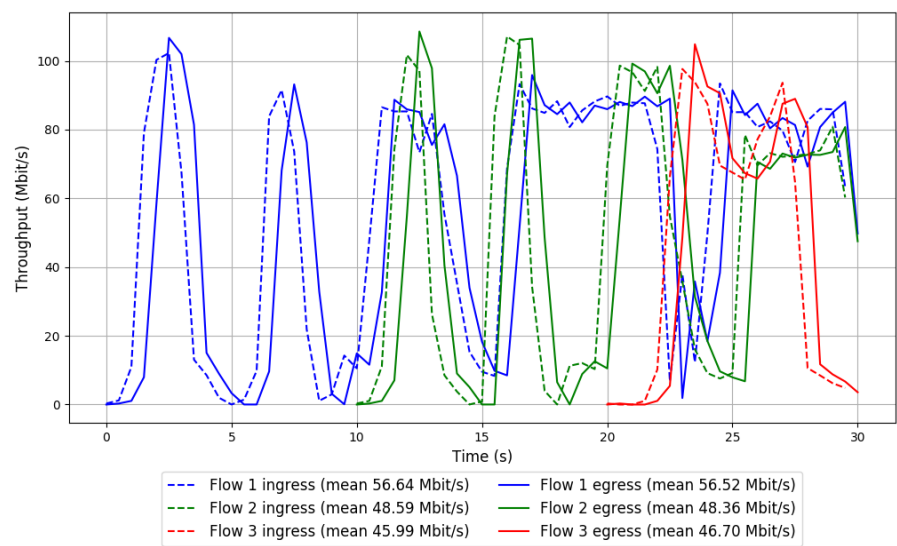
-- Flow 3:

Average throughput: 46.70 Mbit/s

95th percentile per-packet one-way delay: 97.849 ms

Loss rate: 0.23%

Run 8: Report of QUIC Cubic — Data Link

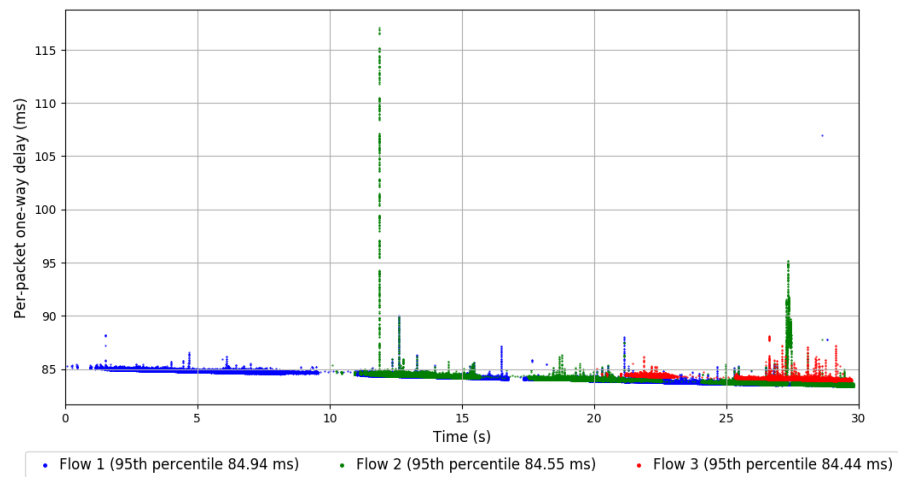
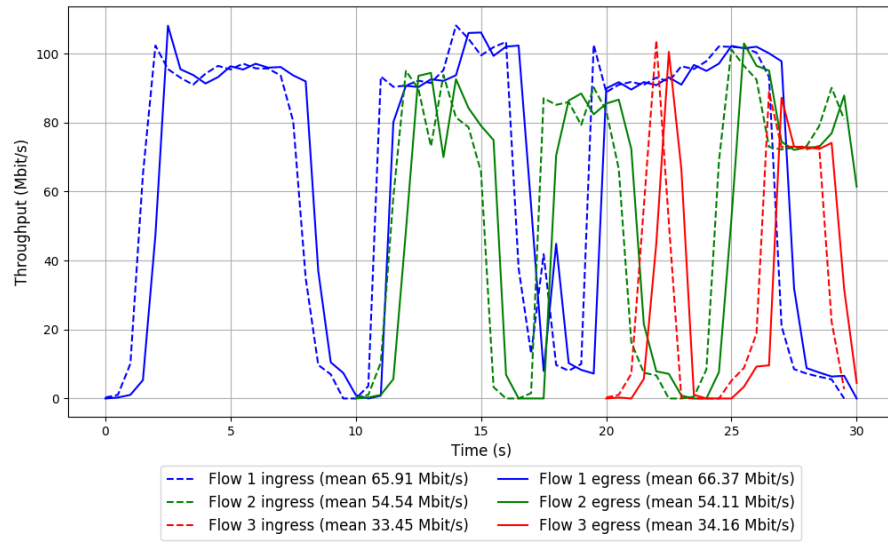


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-10 20:08:06
End at: 2018-08-10 20:08:36
Local clock offset: 0.027 ms
Remote clock offset: -3.278 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.24 Mbit/s
95th percentile per-packet one-way delay: 84.906 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 66.37 Mbit/s
95th percentile per-packet one-way delay: 84.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 84.554 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 84.436 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-10 20:35:16

End at: 2018-08-10 20:35:46

Local clock offset: 0.163 ms

Remote clock offset: -54.731 ms

Below is generated by plot.py at 2018-08-10 23:55:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 85.564 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 39.06 Mbit/s

95th percentile per-packet one-way delay: 85.609 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 85.163 ms

Loss rate: 0.20%

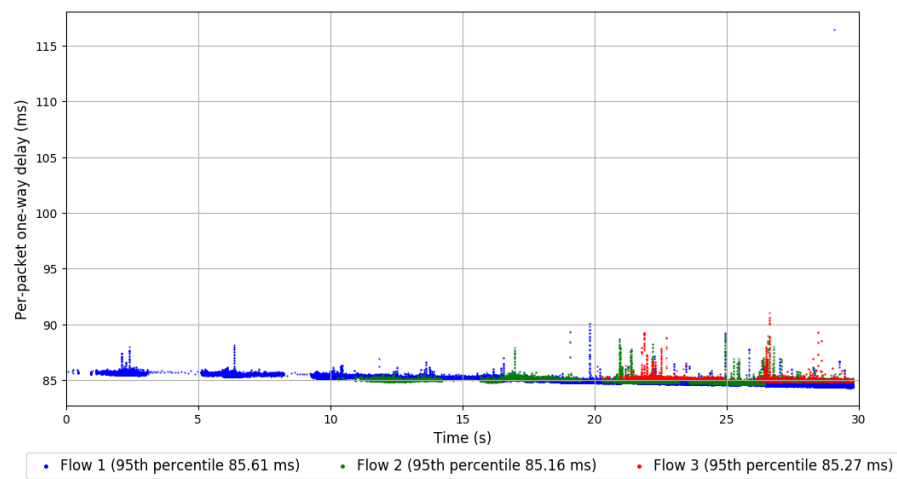
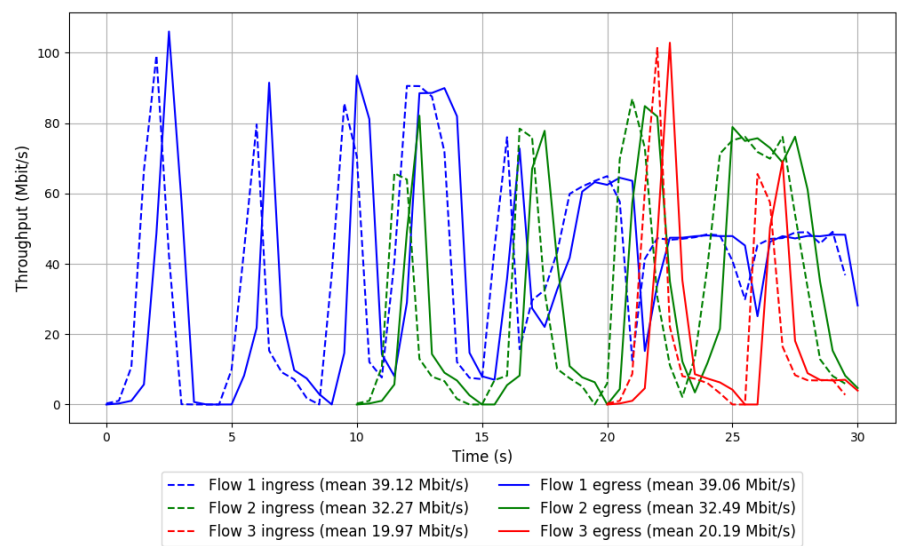
-- Flow 3:

Average throughput: 20.19 Mbit/s

95th percentile per-packet one-way delay: 85.267 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

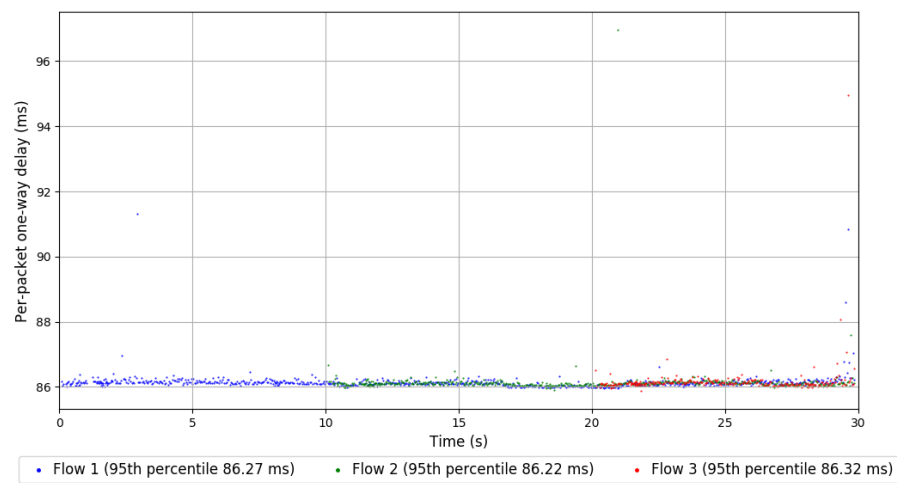
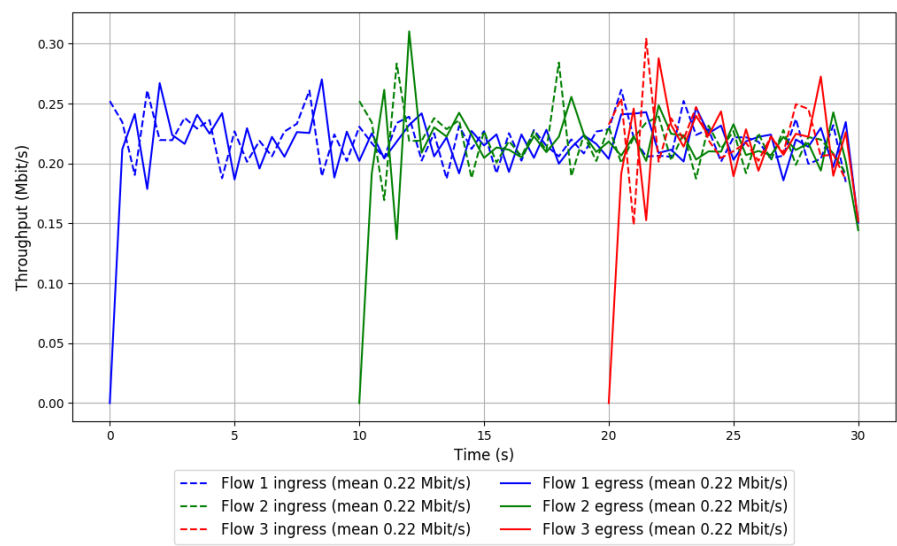


```
Run 1: Statistics of SReAM

Start at: 2018-08-10 16:29:32
End at: 2018-08-10 16:30:02
Local clock offset: -0.248 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-08-10 23:55:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.269 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.269 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.224 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.318 ms
Loss rate: 1.50%
```


Run 1: Report of SReAM — Data Link

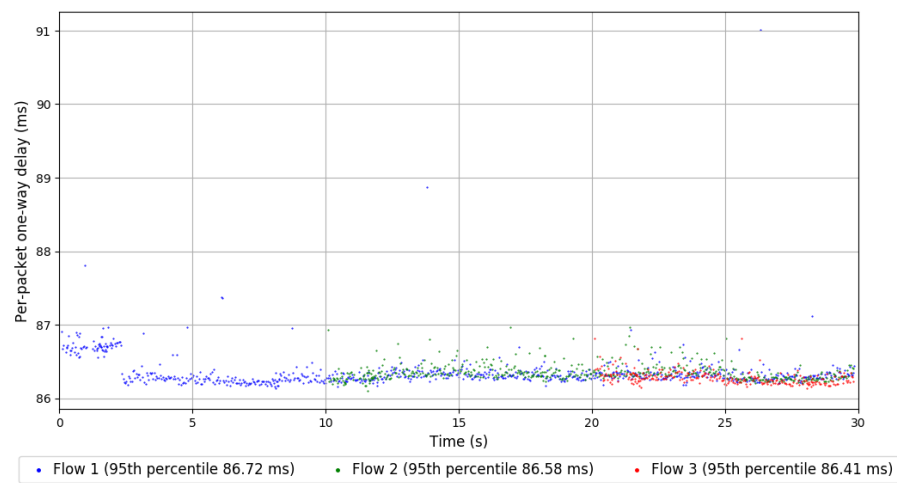
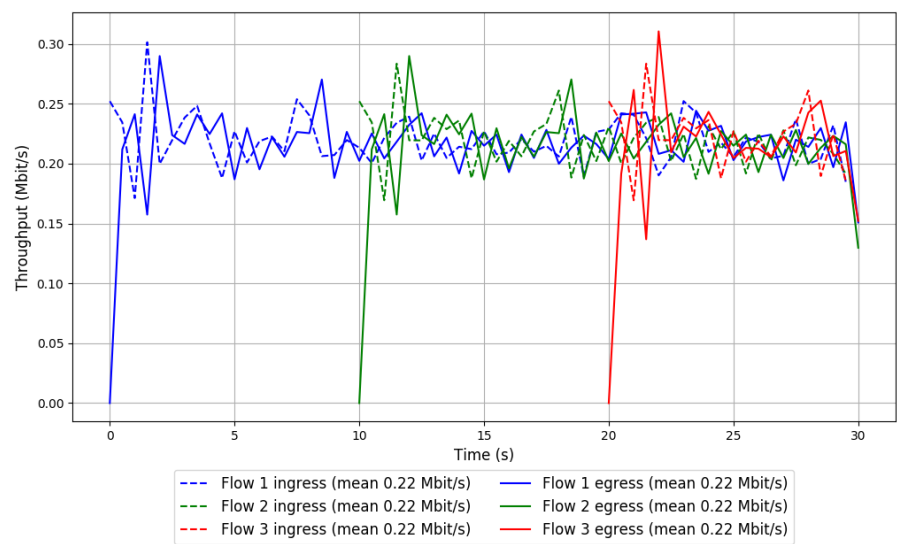


Run 2: Statistics of SReAM

Start at: 2018-08-10 16:55:56
End at: 2018-08-10 16:56:26
Local clock offset: -0.077 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.678 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.719 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.585 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.413 ms
Loss rate: 1.85%

Run 2: Report of SReAM — Data Link

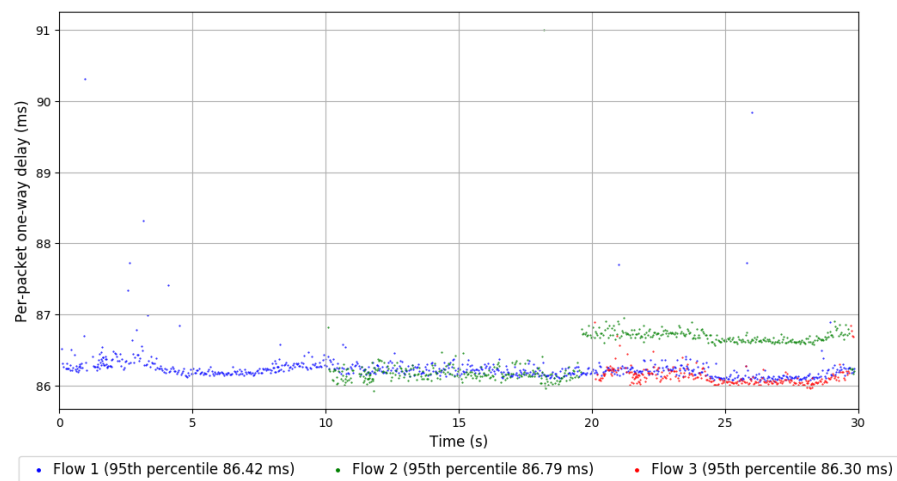
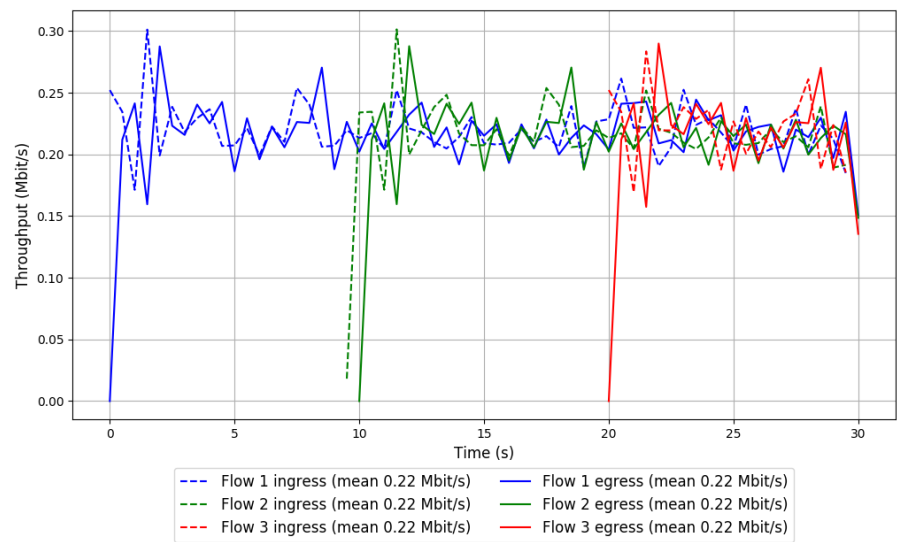


Run 3: Statistics of SReAM

Start at: 2018-08-10 17:22:28
End at: 2018-08-10 17:22:58
Local clock offset: -0.152 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.739 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.415 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.794 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.301 ms
Loss rate: 1.85%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-08-10 17:48:44

End at: 2018-08-10 17:49:14

Local clock offset: 0.074 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-08-10 23:55:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.574 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.423 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.431 ms

Loss rate: 0.82%

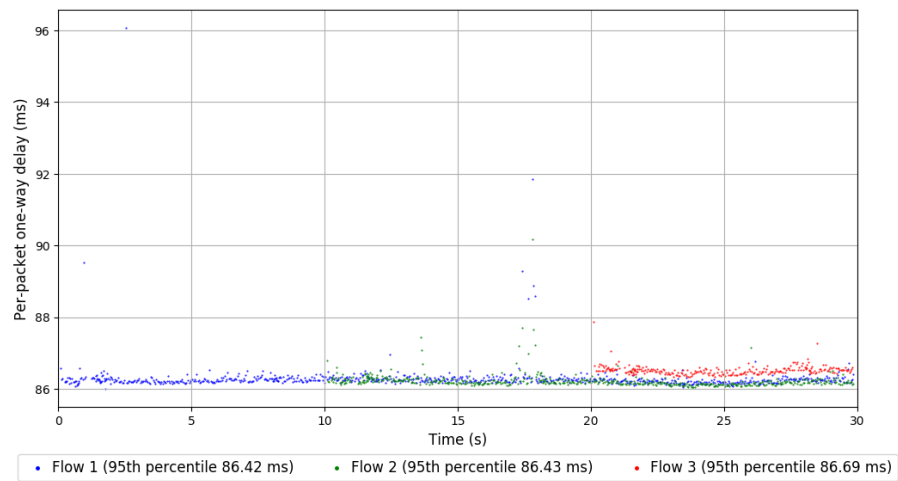
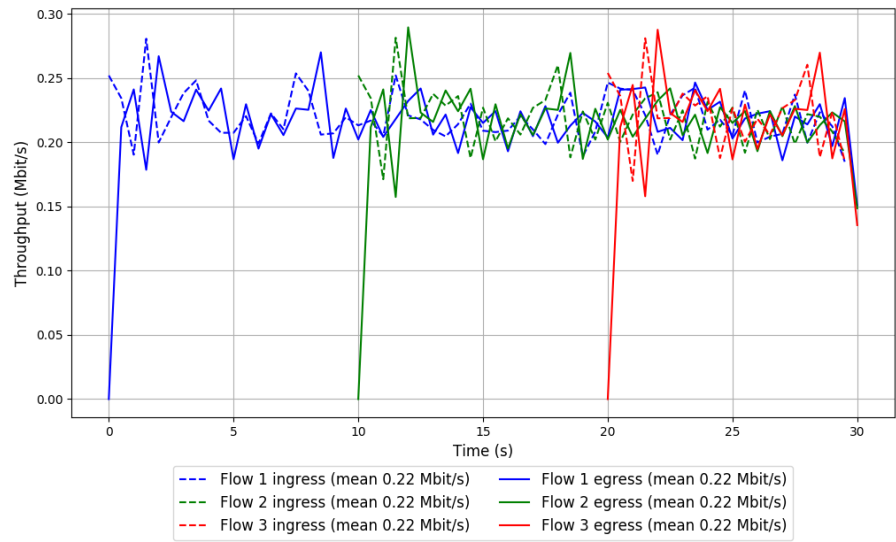
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.687 ms

Loss rate: 1.85%

Run 4: Report of SReAM — Data Link

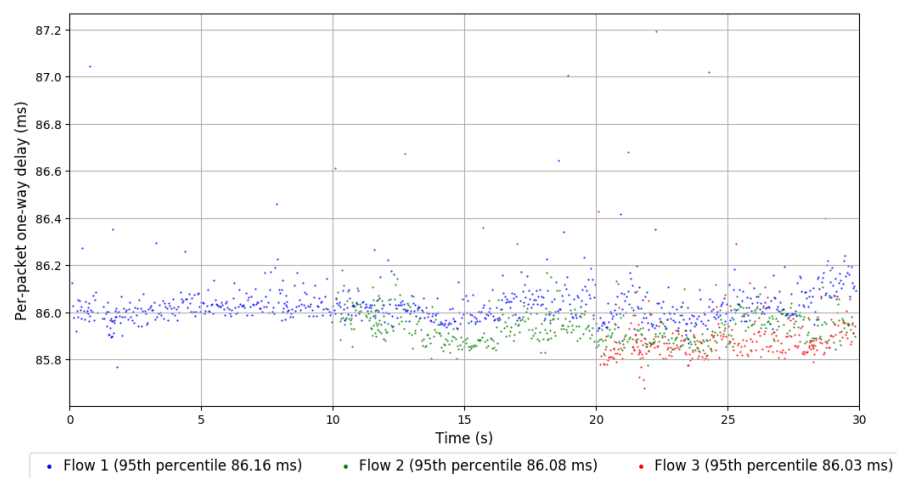
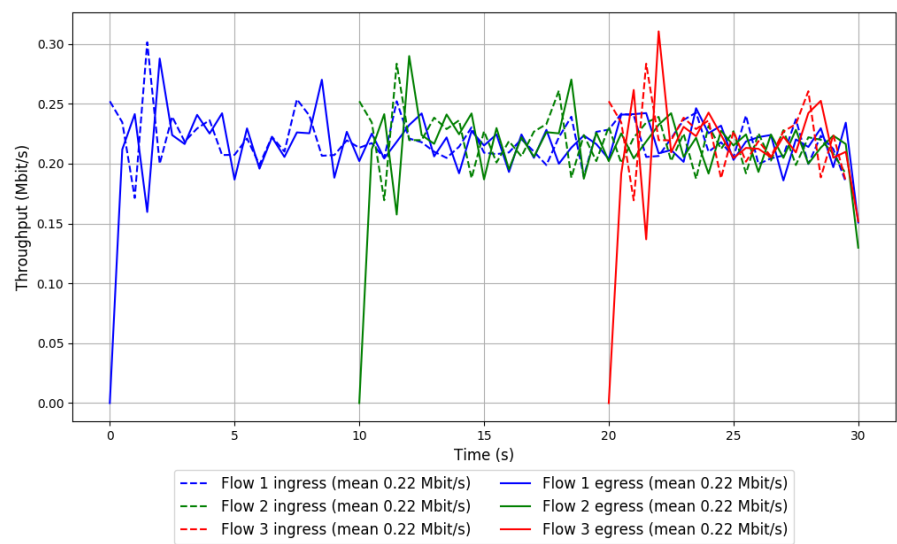


Run 5: Statistics of SReAM

Start at: 2018-08-10 18:14:39
End at: 2018-08-10 18:15:09
Local clock offset: 0.278 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.127 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.160 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.080 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.028 ms
Loss rate: 1.85%

Run 5: Report of SReAM — Data Link

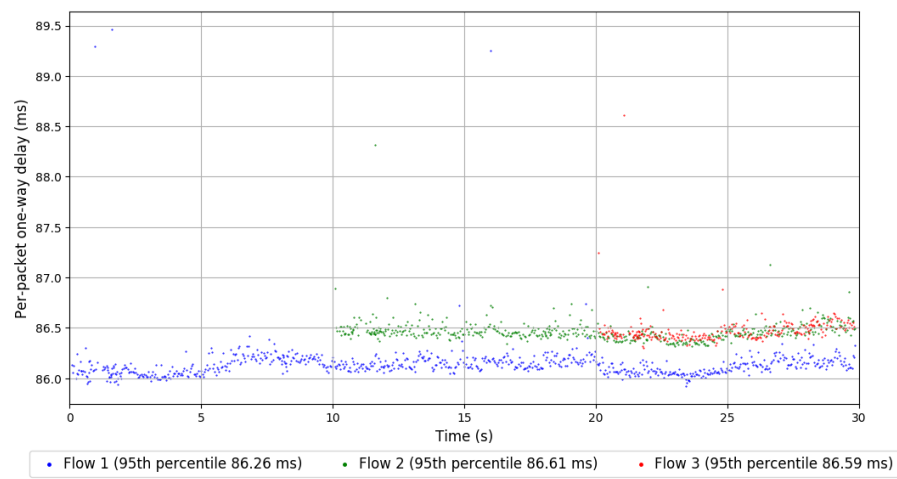
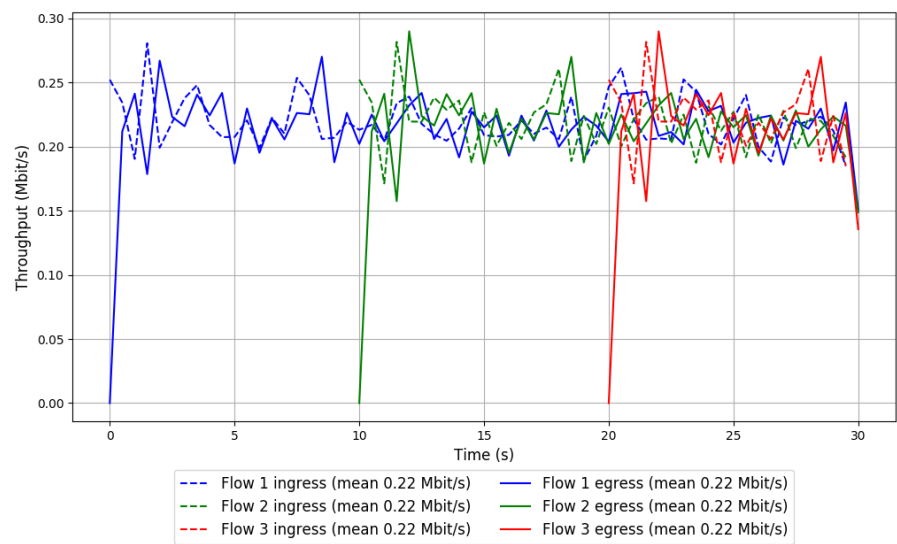


Run 6: Statistics of SReAM

Start at: 2018-08-10 18:41:12
End at: 2018-08-10 18:41:43
Local clock offset: 0.461 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.560 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.264 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.605 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.593 ms
Loss rate: 1.85%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-08-10 19:07:46

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

Local clock offset: 0.404 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-08-10 23:55:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.720 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.563 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.777 ms

Loss rate: 1.04%

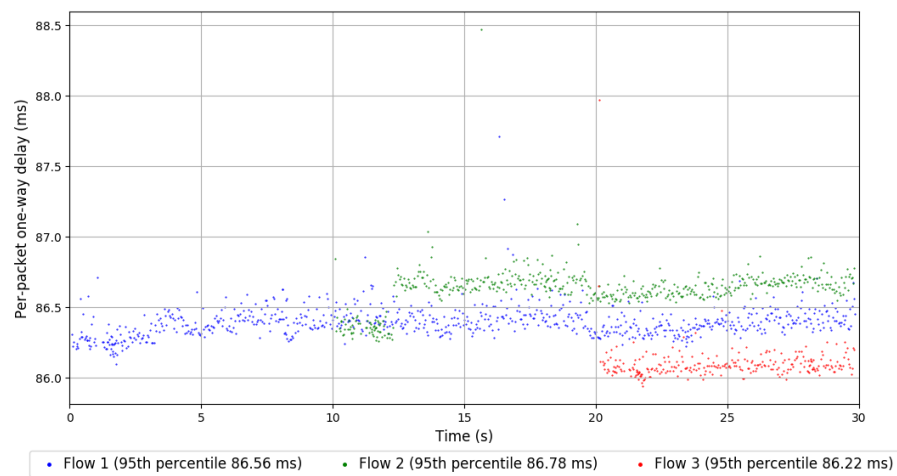
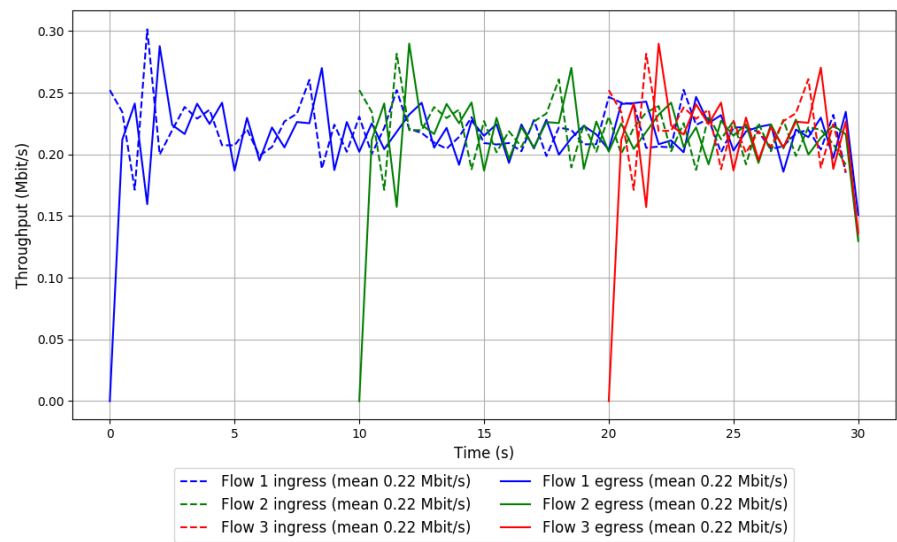
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.216 ms

Loss rate: 1.85%

Run 7: Report of SReAM — Data Link

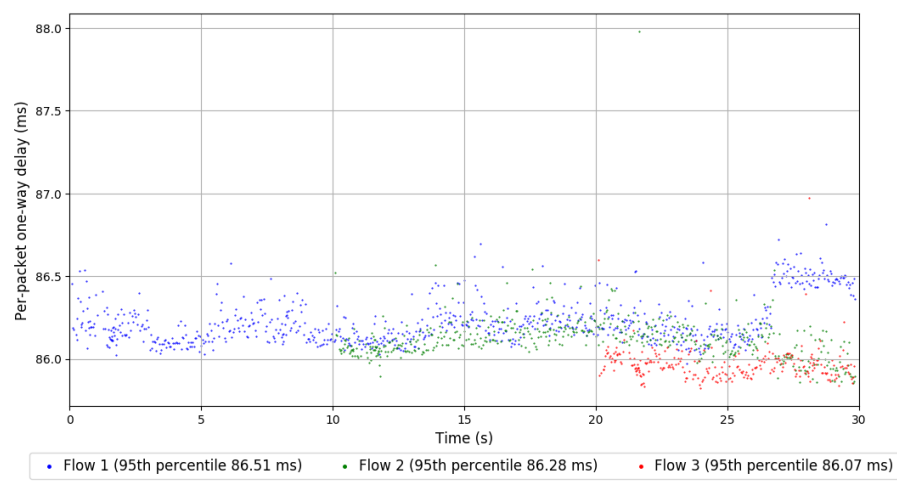
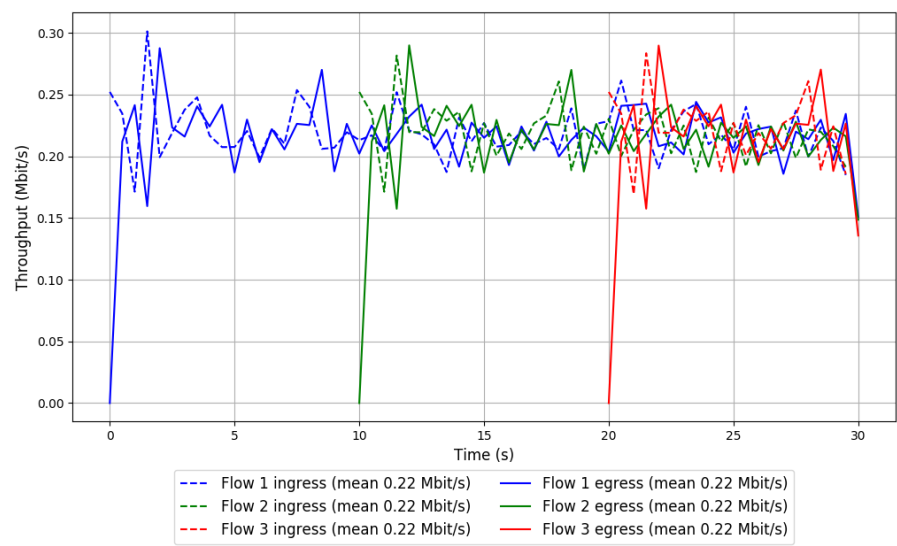


Run 8: Statistics of SReAM

Start at: 2018-08-10 19:34:11
End at: 2018-08-10 19:34:41
Local clock offset: 0.082 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.461 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.507 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.284 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.069 ms
Loss rate: 1.85%

Run 8: Report of SReAM — Data Link

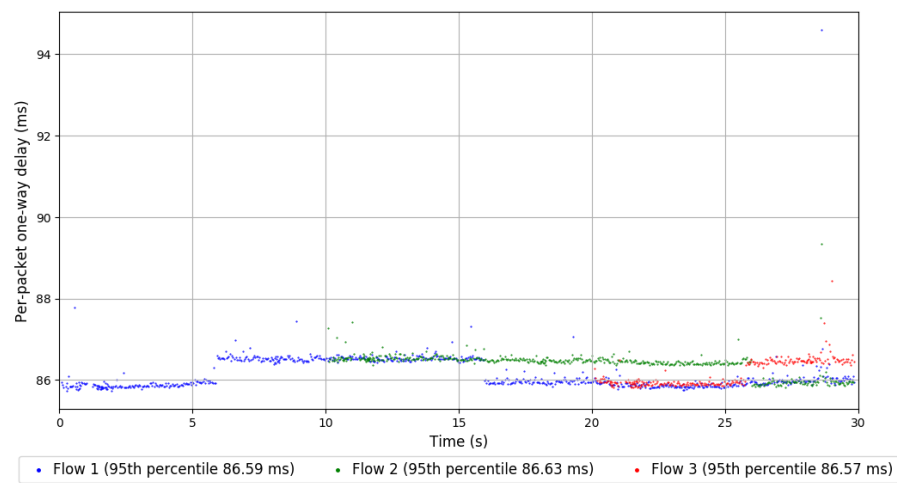
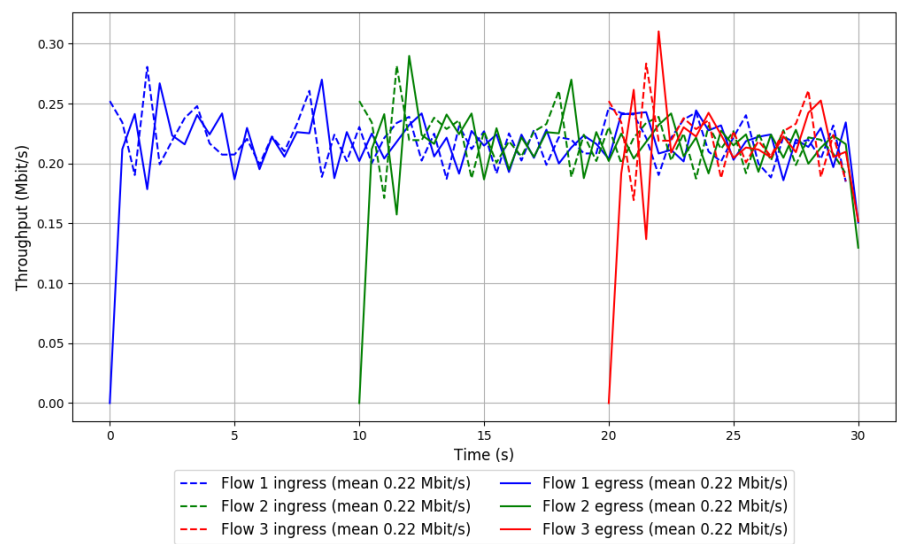


Run 9: Statistics of SReAM

Start at: 2018-08-10 20:00:32
End at: 2018-08-10 20:01:02
Local clock offset: -0.115 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.593 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.586 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.626 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.570 ms
Loss rate: 1.85%

Run 9: Report of SReAM — Data Link

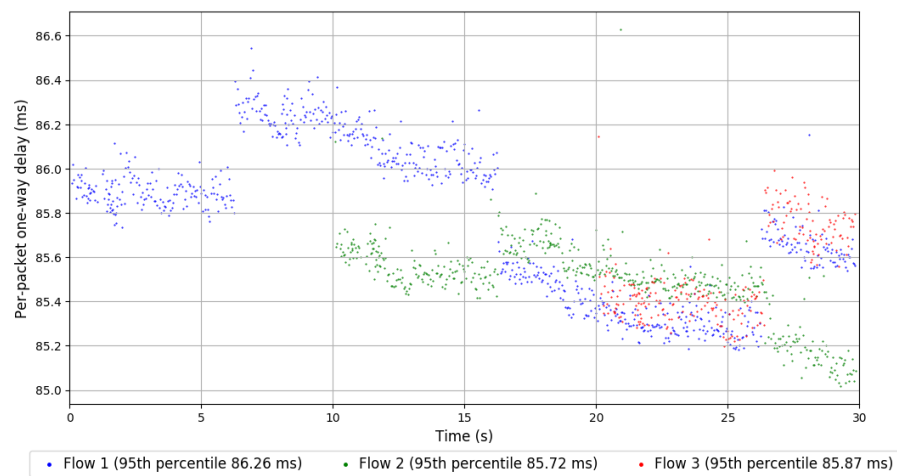
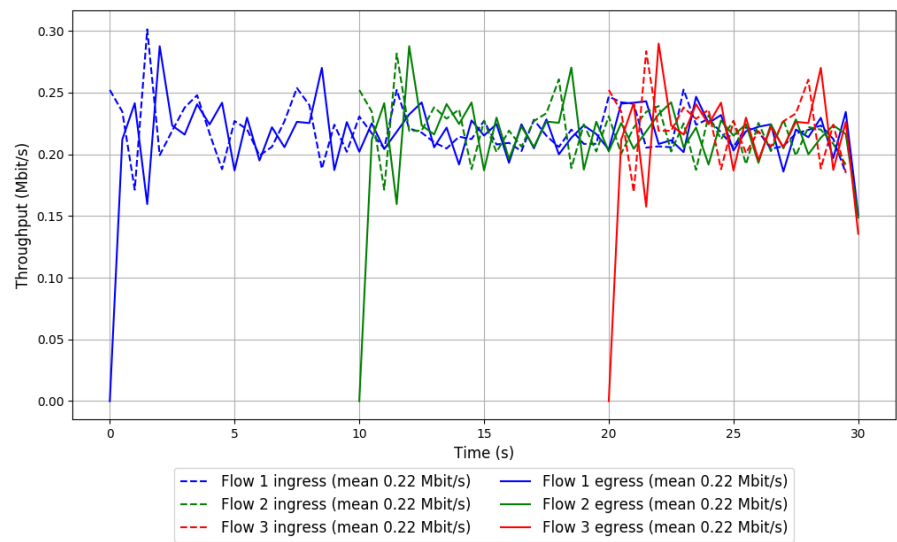


Run 10: Statistics of SReAM

Start at: 2018-08-10 20:27:36
End at: 2018-08-10 20:28:07
Local clock offset: -0.037 ms
Remote clock offset: -39.543 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.215 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.264 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.720 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.874 ms
Loss rate: 1.85%

Run 10: Report of SReAM — Data Link

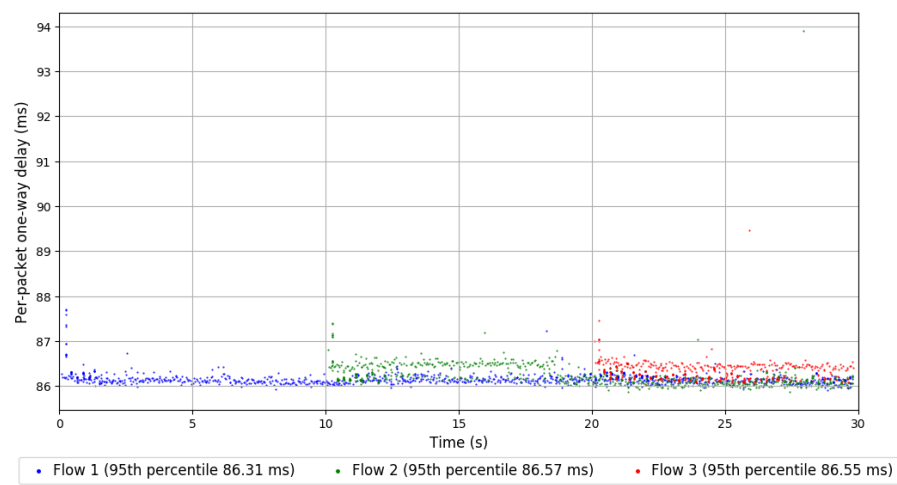
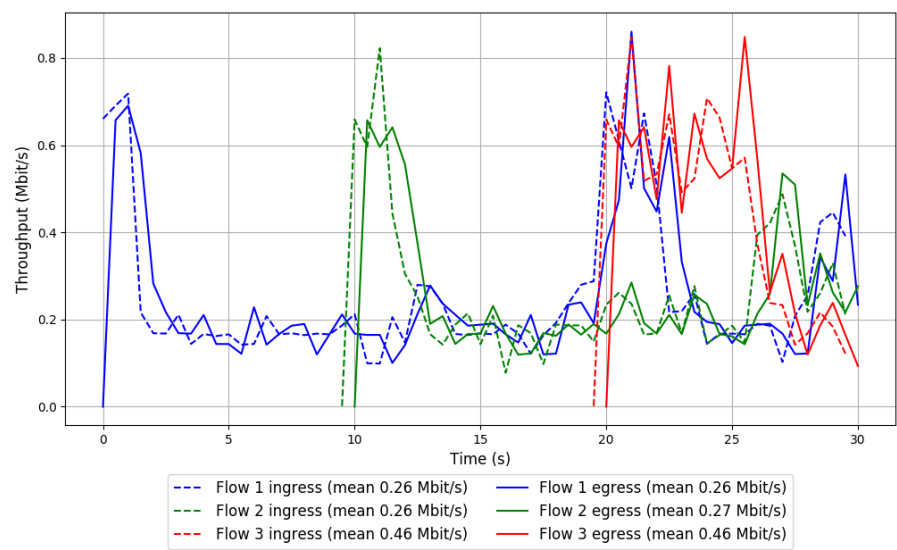


Run 1: Statistics of Sprout

Start at: 2018-08-10 16:43:19
End at: 2018-08-10 16:43:49
Local clock offset: -0.189 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 86.530 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.311 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.568 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.553 ms
Loss rate: 0.56%

Run 1: Report of Sprout — Data Link

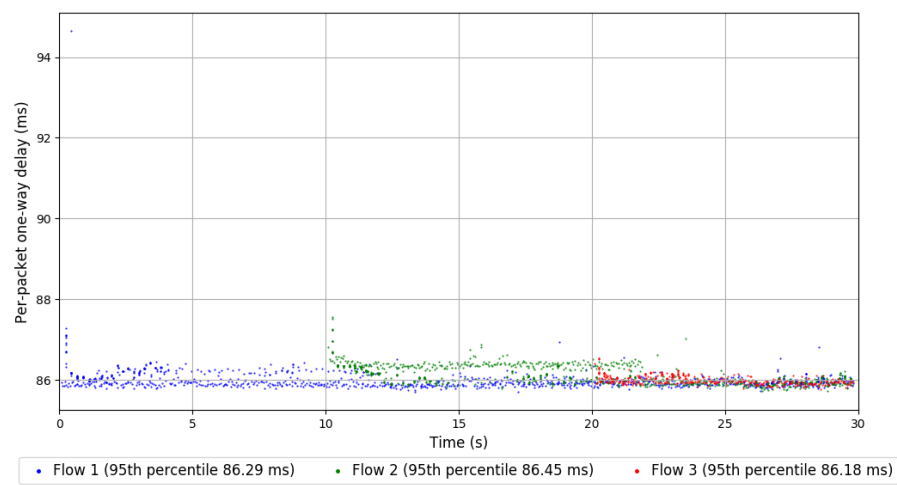
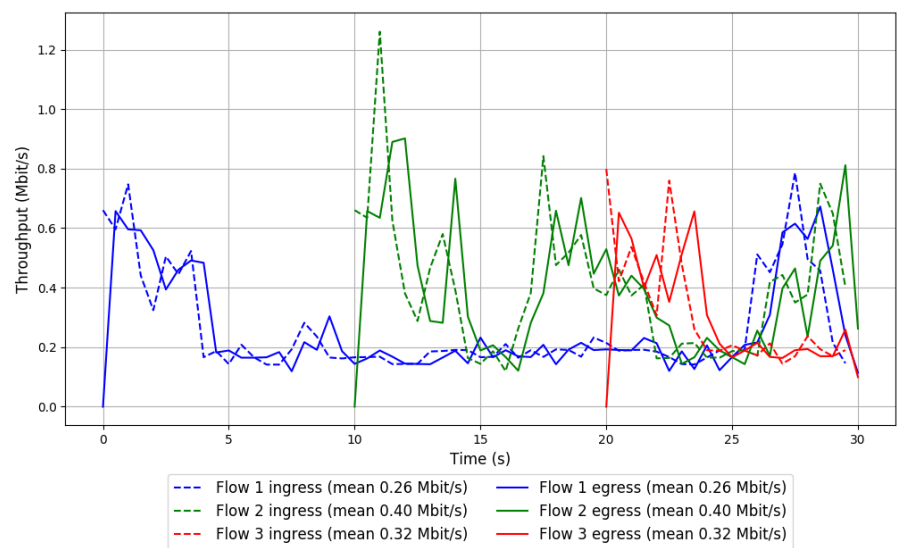


Run 2: Statistics of Sprout

Start at: 2018-08-10 17:09:46
End at: 2018-08-10 17:10:16
Local clock offset: -0.346 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 86.407 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.288 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.449 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.176 ms
Loss rate: 1.51%

Run 2: Report of Sprout — Data Link

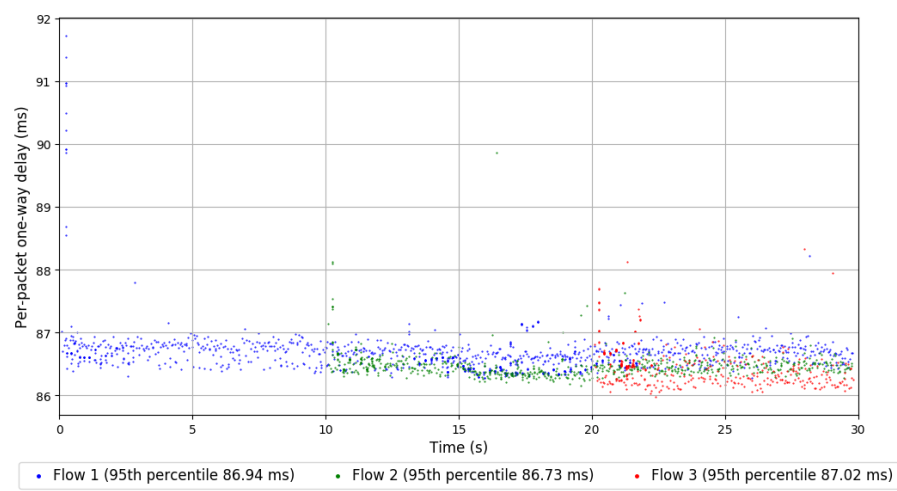
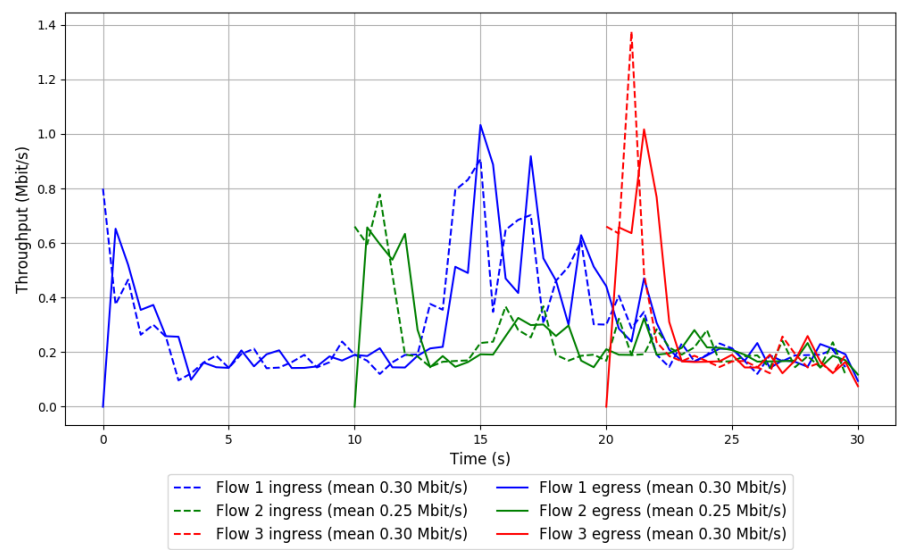


Run 3: Statistics of Sprout

Start at: 2018-08-10 17:36:15
End at: 2018-08-10 17:36:45
Local clock offset: -0.093 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 86.907 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.940 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.726 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 87.020 ms
Loss rate: 1.95%

Run 3: Report of Sprout — Data Link

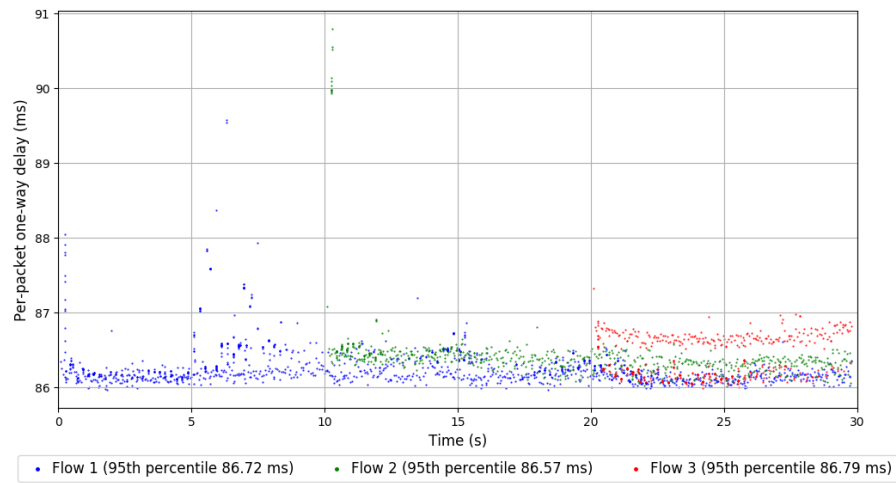
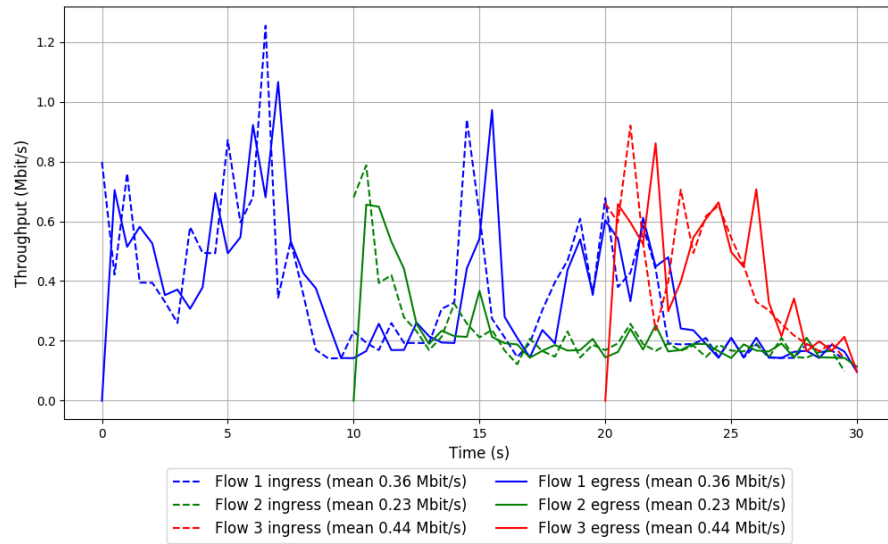


Run 4: Statistics of Sprout

Start at: 2018-08-10 18:02:12
End at: 2018-08-10 18:02:42
Local clock offset: 0.121 ms
Remote clock offset: -0.012 ms

```
# Below is generated by plot.py at 2018-08-10 23:55:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 86.739 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.571 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.790 ms
Loss rate: 0.82%
```

Run 4: Report of Sprout — Data Link

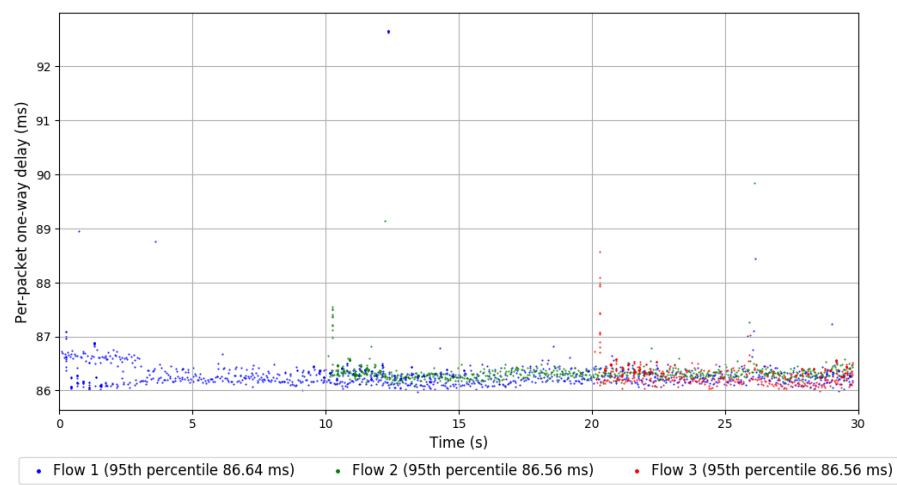
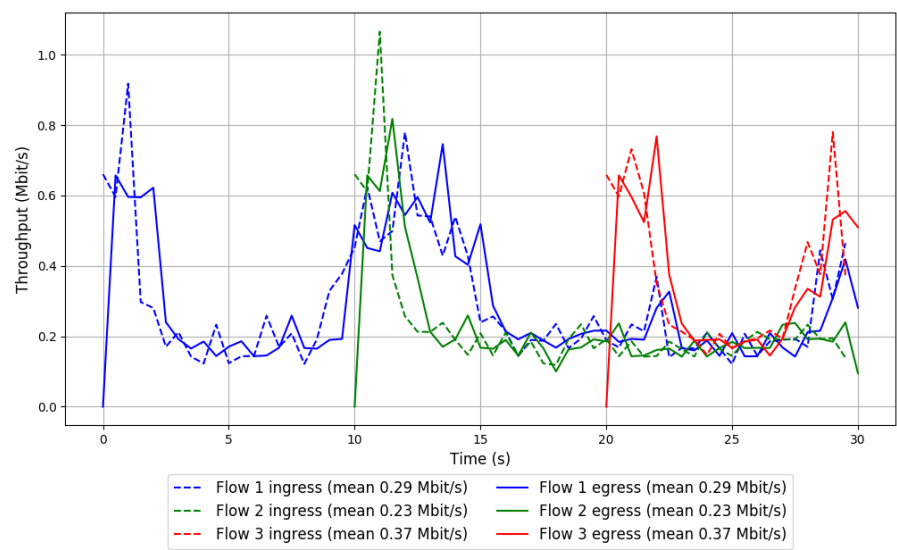


Run 5: Statistics of Sprout

Start at: 2018-08-10 18:28:35
End at: 2018-08-10 18:29:05
Local clock offset: 0.836 ms
Remote clock offset: -0.146 ms

```
# Below is generated by plot.py at 2018-08-10 23:55:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 86.598 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.640 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.560 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.565 ms
Loss rate: 1.27%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-08-10 18:55:12

End at: 2018-08-10 18:55:42

Local clock offset: 0.156 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-08-10 23:55:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 86.221 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.235 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.163 ms

Loss rate: 0.59%

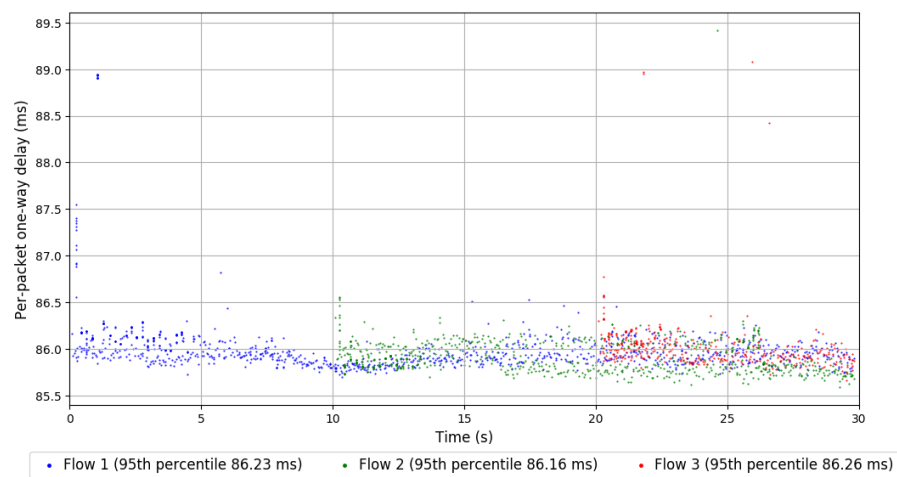
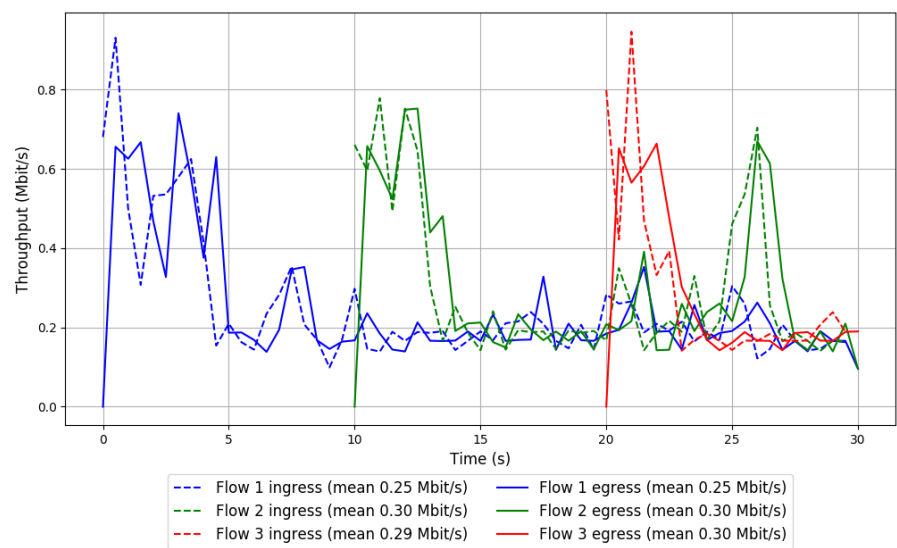
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.261 ms

Loss rate: 1.59%

Run 6: Report of Sprout — Data Link

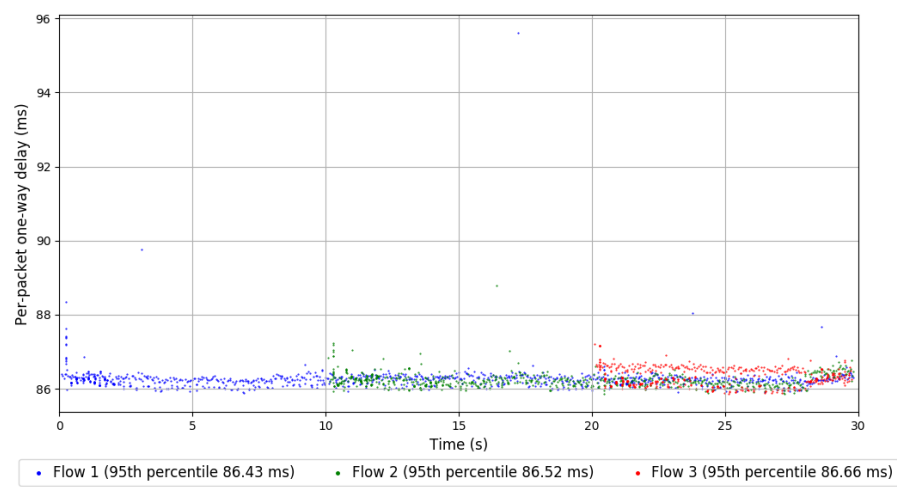
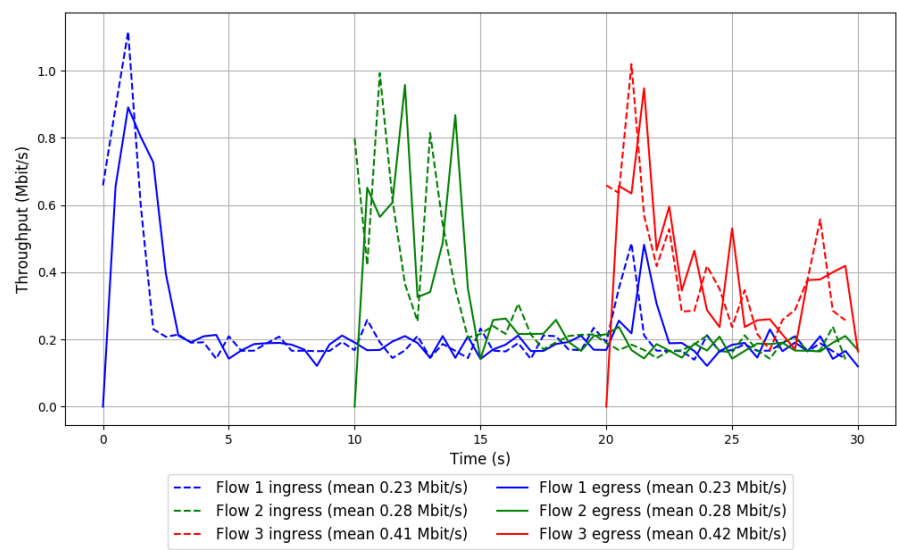


Run 7: Statistics of Sprout

Start at: 2018-08-10 19:21:30
End at: 2018-08-10 19:22:00
Local clock offset: 0.086 ms
Remote clock offset: -0.067 ms

```
# Below is generated by plot.py at 2018-08-10 23:55:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 86.582 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.428 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.517 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 1.45%
```


Run 7: Report of Sprout — Data Link

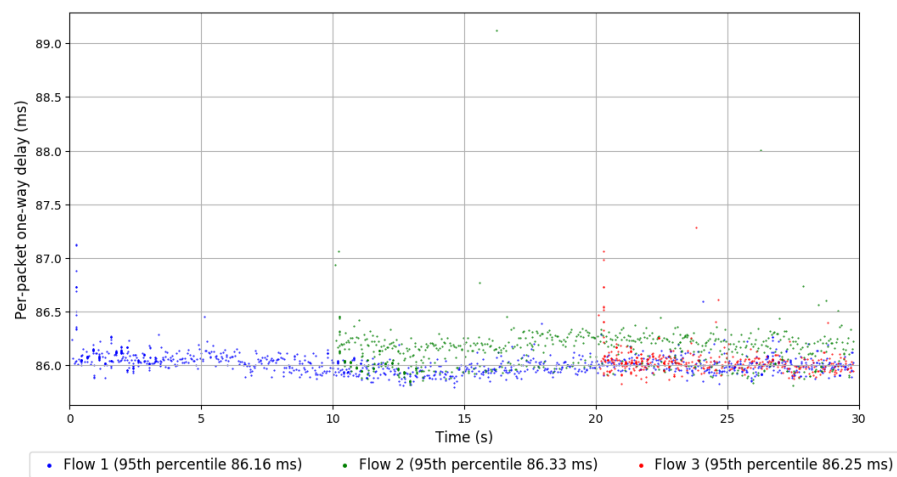
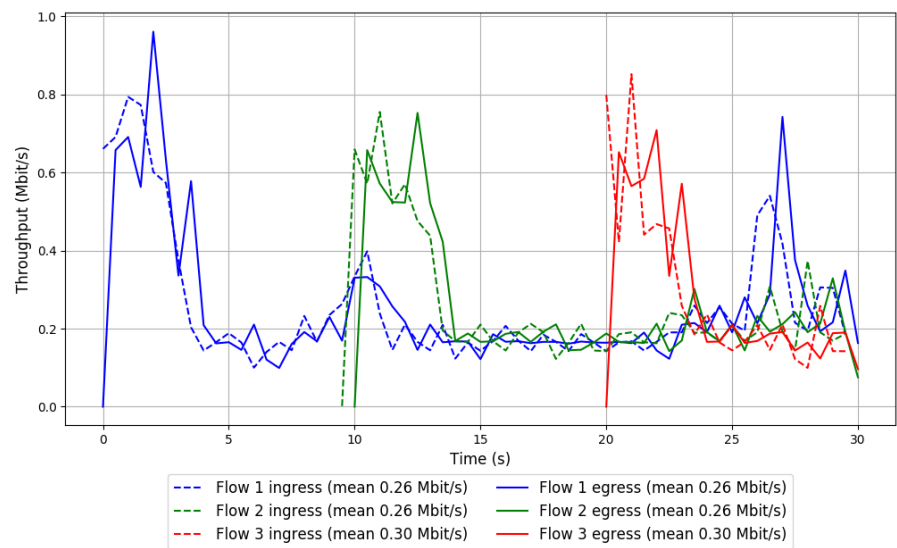


Run 8: Statistics of Sprout

Start at: 2018-08-10 19:47:56
End at: 2018-08-10 19:48:26
Local clock offset: 0.075 ms
Remote clock offset: -0.015 ms

```
# Below is generated by plot.py at 2018-08-10 23:55:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.286 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.164 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.331 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.253 ms
Loss rate: 1.18%
```

Run 8: Report of Sprout — Data Link

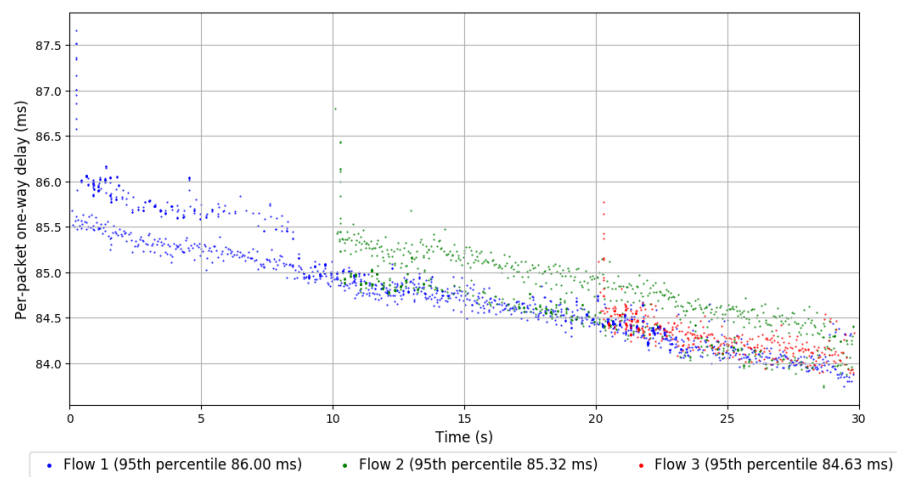
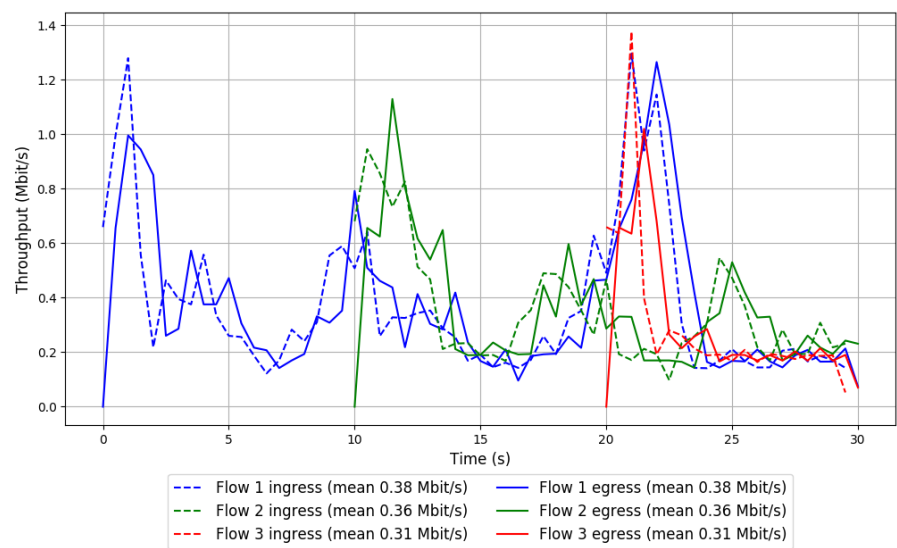


Run 9: Statistics of Sprout

Start at: 2018-08-10 20:14:34
End at: 2018-08-10 20:15:04
Local clock offset: -0.323 ms
Remote clock offset: -25.408 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 85.829 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 86.003 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 85.324 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 84.631 ms
Loss rate: 0.08%

Run 9: Report of Sprout — Data Link

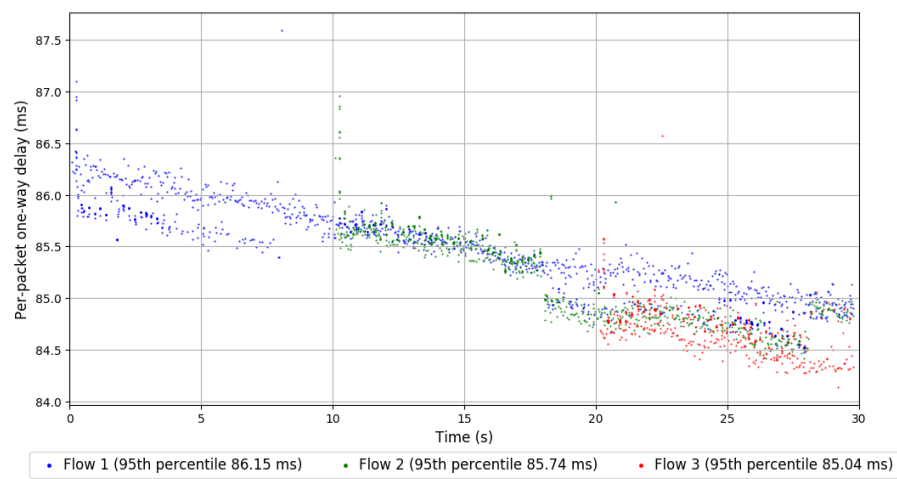
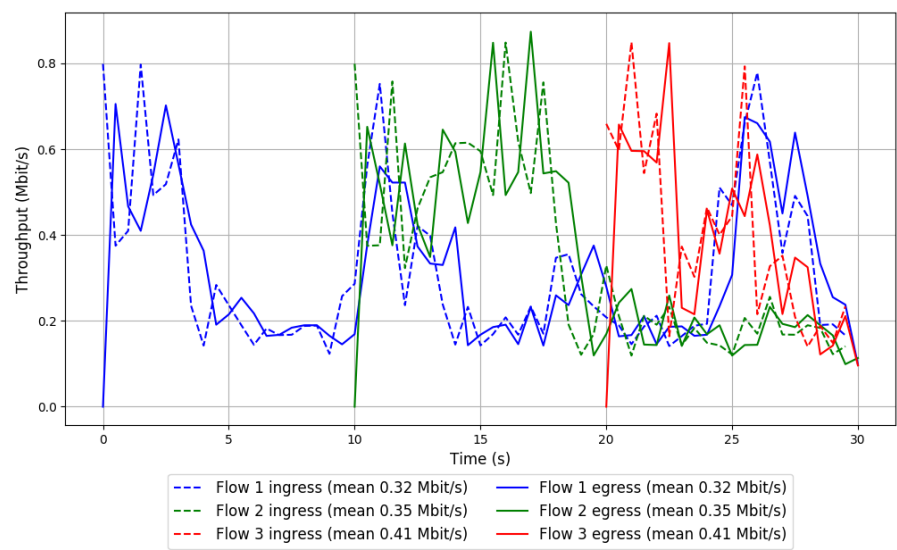


Run 10: Statistics of Sprout

Start at: 2018-08-10 20:41:35
End at: 2018-08-10 20:42:05
Local clock offset: 0.182 ms
Remote clock offset: -70.36 ms

Below is generated by plot.py at 2018-08-10 23:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 86.022 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.154 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 85.741 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 85.037 ms
Loss rate: 1.74%

Run 10: Report of Sprout — Data Link

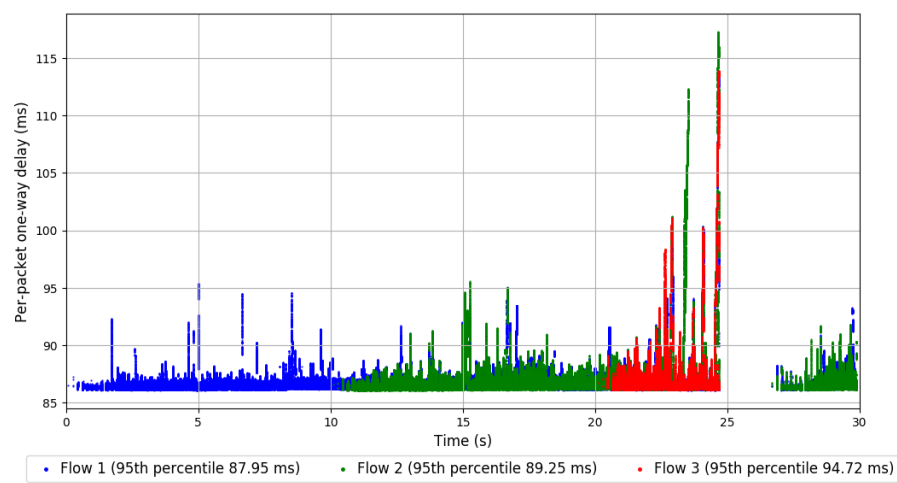
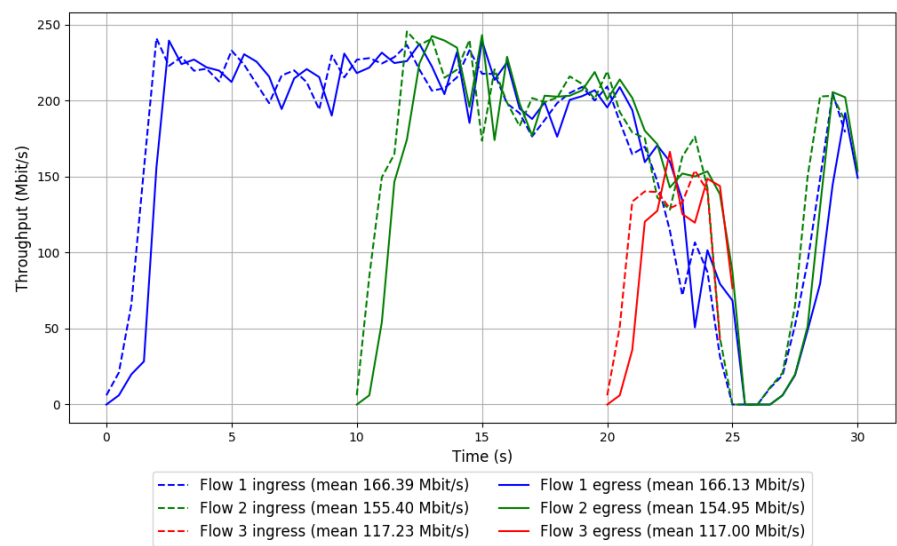


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-10 16:34:10
End at: 2018-08-10 16:34:40
Local clock offset: 0.085 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-08-11 00:01:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 286.98 Mbit/s
95th percentile per-packet one-way delay: 88.596 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 166.13 Mbit/s
95th percentile per-packet one-way delay: 87.953 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 154.95 Mbit/s
95th percentile per-packet one-way delay: 89.255 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 117.00 Mbit/s
95th percentile per-packet one-way delay: 94.717 ms
Loss rate: 0.00%
```


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

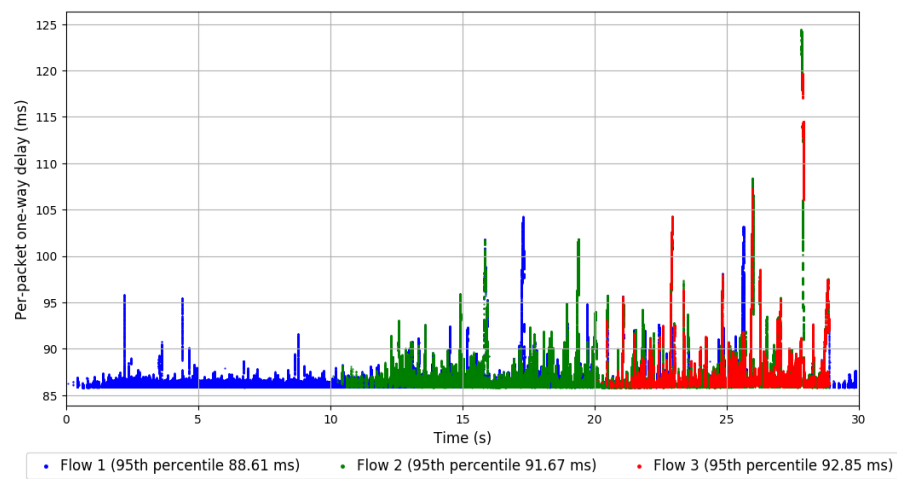
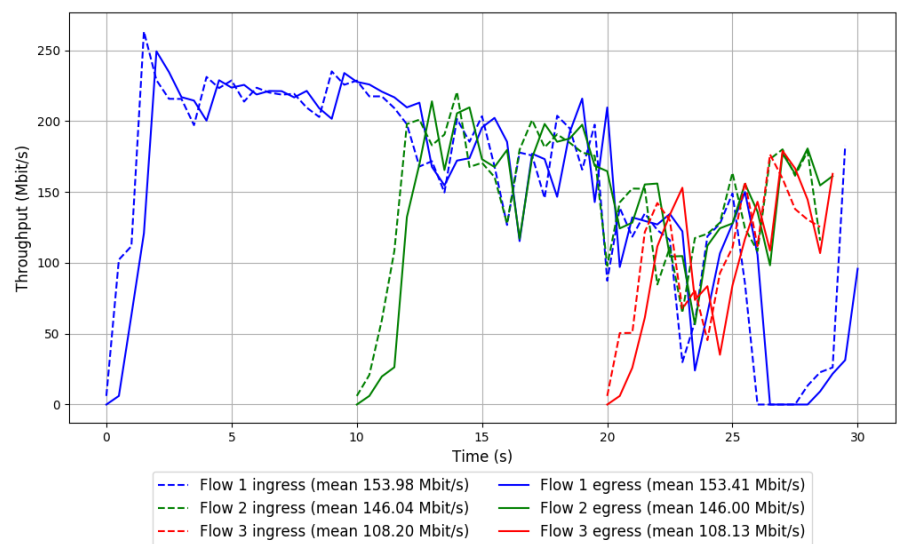


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-08-10 17:00:35
End at: 2018-08-10 17:01:05
Local clock offset: -0.114 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-08-11 00:01:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 277.21 Mbit/s
95th percentile per-packet one-way delay: 90.290 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 153.41 Mbit/s
95th percentile per-packet one-way delay: 88.608 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 146.00 Mbit/s
95th percentile per-packet one-way delay: 91.675 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 108.13 Mbit/s
95th percentile per-packet one-way delay: 92.854 ms
Loss rate: 0.00%
```

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

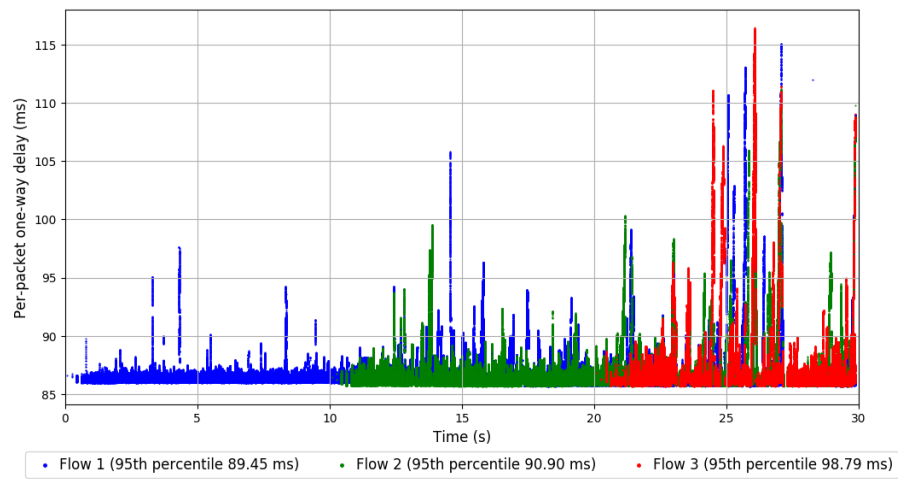
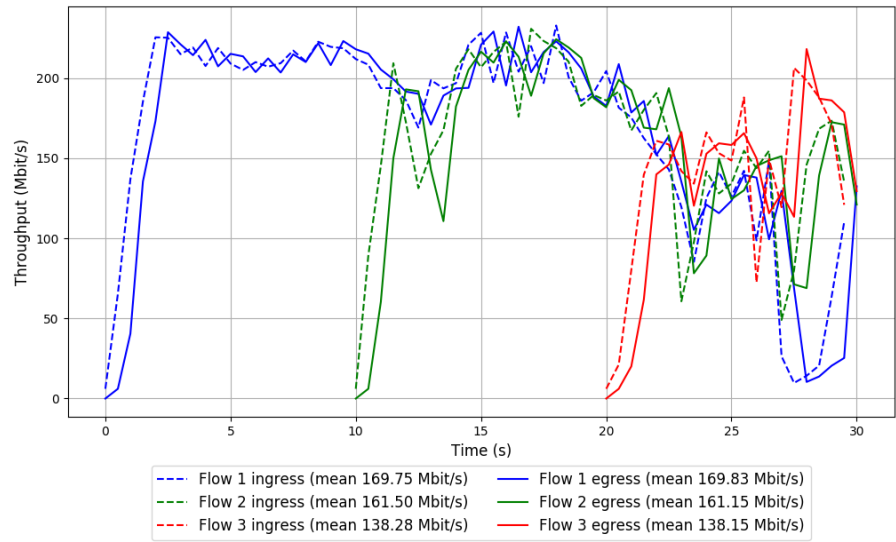


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-10 17:27:11
End at: 2018-08-10 17:27:41
Local clock offset: -0.342 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-11 00:02:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.20 Mbit/s
95th percentile per-packet one-way delay: 90.908 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 169.83 Mbit/s
95th percentile per-packet one-way delay: 89.451 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 161.15 Mbit/s
95th percentile per-packet one-way delay: 90.896 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 138.15 Mbit/s
95th percentile per-packet one-way delay: 98.787 ms
Loss rate: 0.79%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-10 17:53:18

End at: 2018-08-10 17:53:48

Local clock offset: 0.132 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-08-11 00:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.27 Mbit/s

95th percentile per-packet one-way delay: 89.220 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 144.26 Mbit/s

95th percentile per-packet one-way delay: 88.654 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 132.95 Mbit/s

95th percentile per-packet one-way delay: 89.600 ms

Loss rate: 1.47%

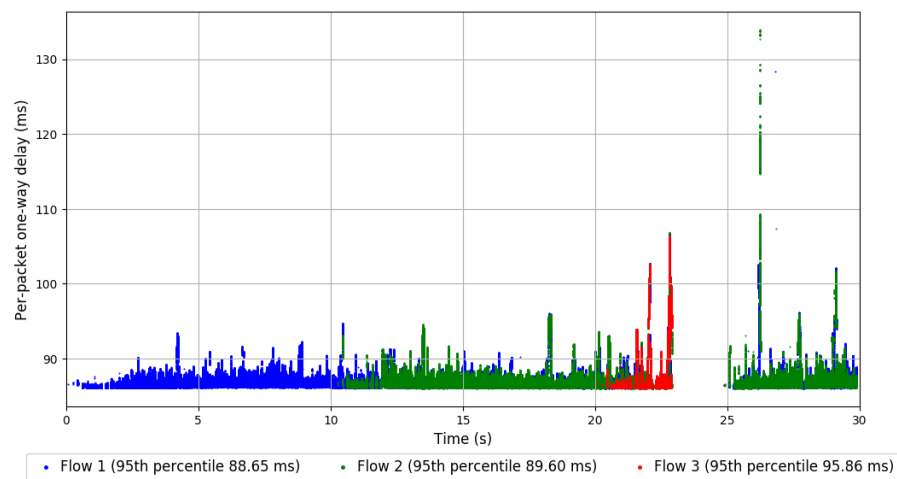
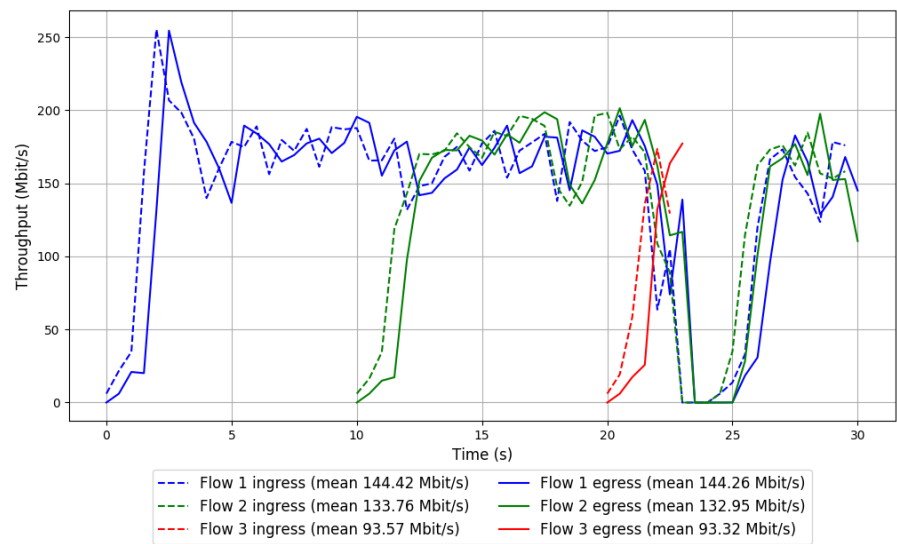
-- Flow 3:

Average throughput: 93.32 Mbit/s

95th percentile per-packet one-way delay: 95.863 ms

Loss rate: 0.00%

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

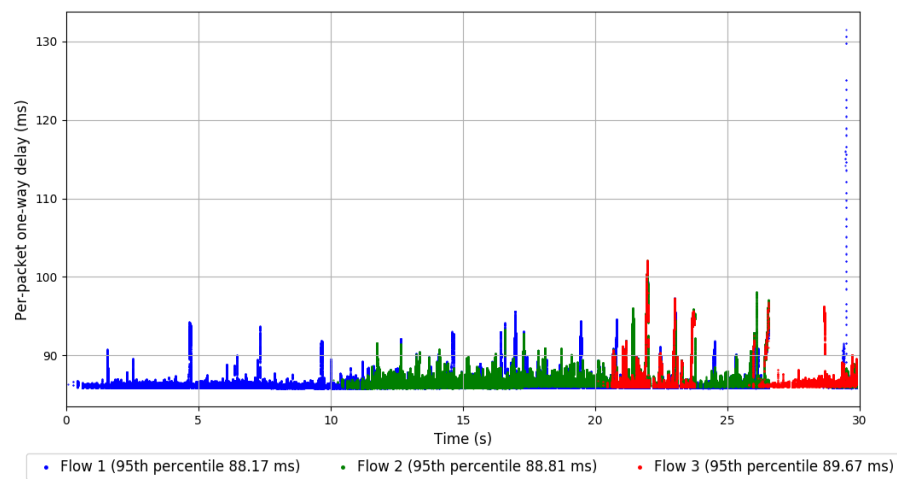
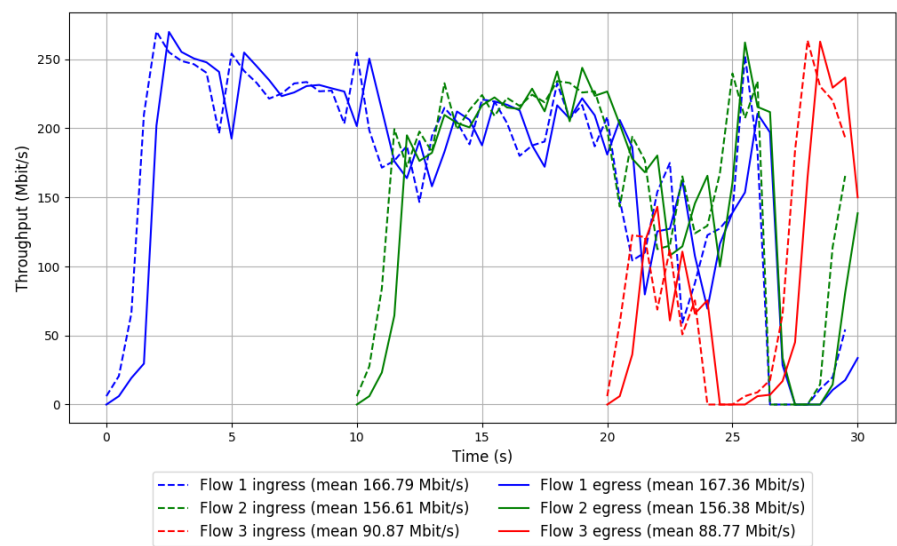


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-10 18:19:21
End at: 2018-08-10 18:19:51
Local clock offset: 0.547 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-11 00:02:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.35 Mbit/s
95th percentile per-packet one-way delay: 88.558 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 167.36 Mbit/s
95th percentile per-packet one-way delay: 88.170 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 156.38 Mbit/s
95th percentile per-packet one-way delay: 88.805 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 88.77 Mbit/s
95th percentile per-packet one-way delay: 89.668 ms
Loss rate: 3.88%

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

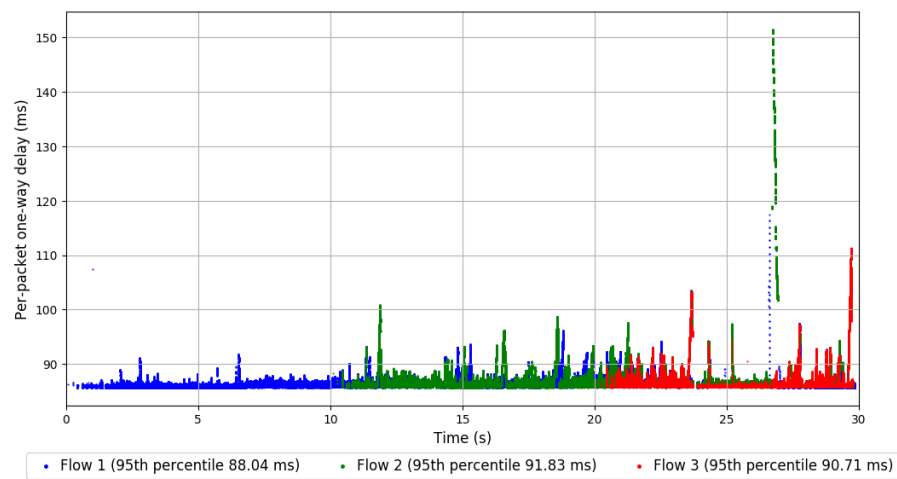
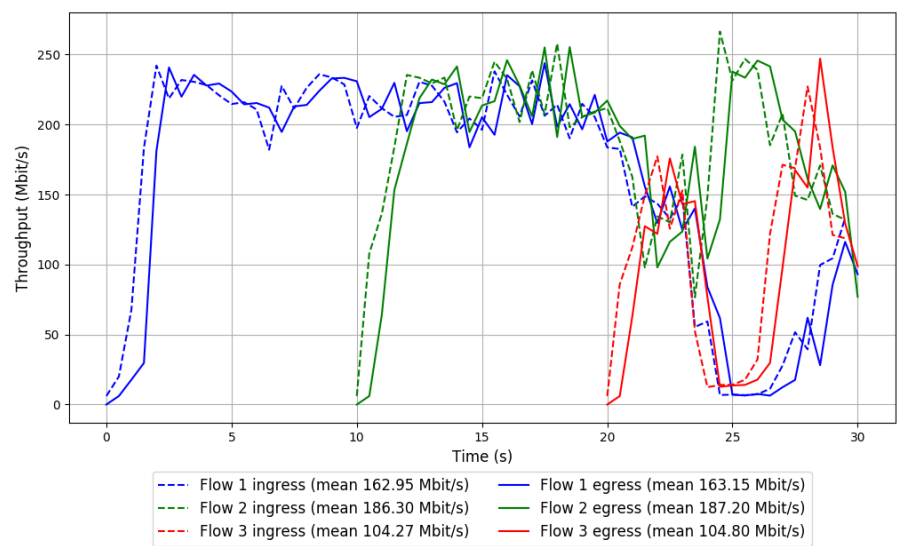


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-10 18:45:51
End at: 2018-08-10 18:46:21
Local clock offset: 0.278 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-08-11 00:04:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.93 Mbit/s
95th percentile per-packet one-way delay: 89.746 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 163.15 Mbit/s
95th percentile per-packet one-way delay: 88.041 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 187.20 Mbit/s
95th percentile per-packet one-way delay: 91.828 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 104.80 Mbit/s
95th percentile per-packet one-way delay: 90.711 ms
Loss rate: 1.85%

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

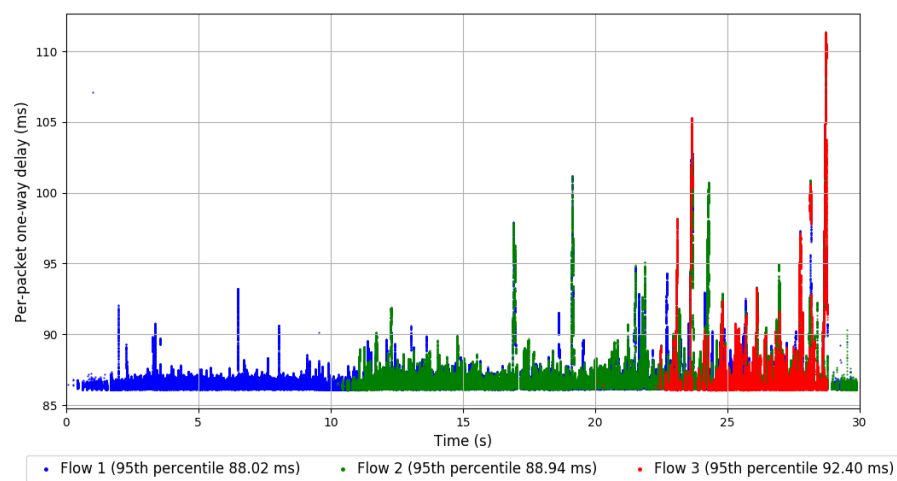
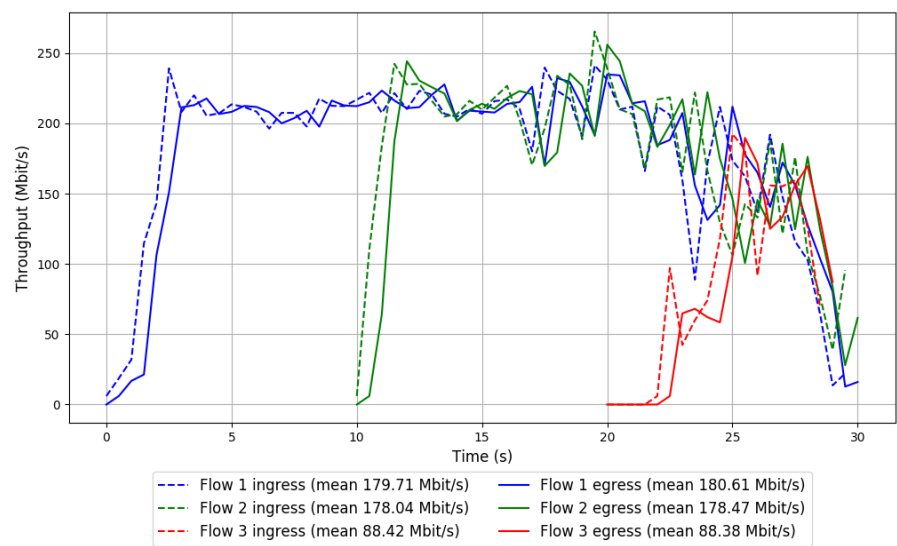


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-10 19:12:19
End at: 2018-08-10 19:12:49
Local clock offset: 0.545 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-11 00:07:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.65 Mbit/s
95th percentile per-packet one-way delay: 88.700 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 180.61 Mbit/s
95th percentile per-packet one-way delay: 88.020 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 178.47 Mbit/s
95th percentile per-packet one-way delay: 88.942 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 92.403 ms
Loss rate: 0.00%

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

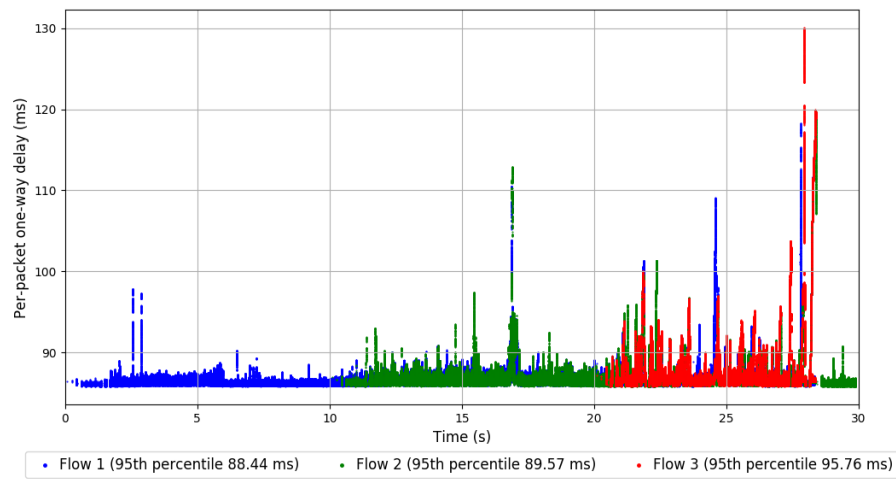
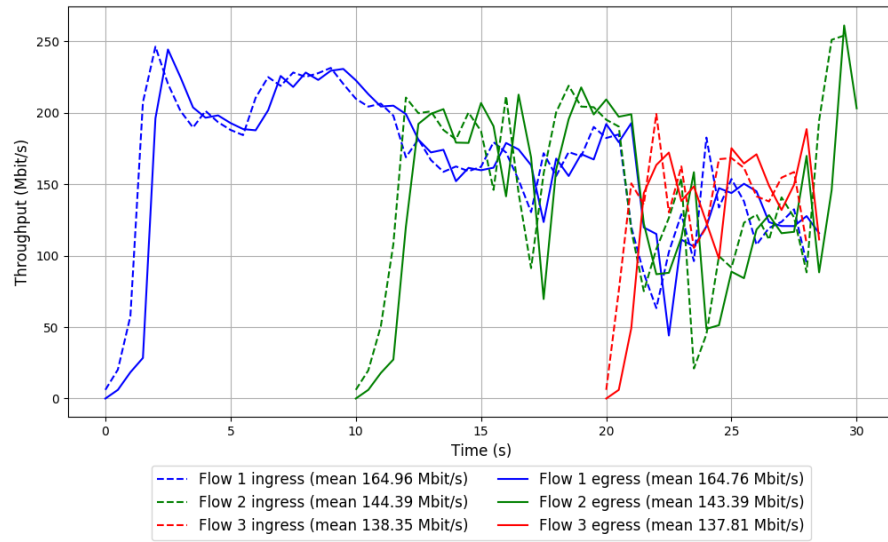


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-10 19:38:44
End at: 2018-08-10 19:39:14
Local clock offset: 0.28 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-11 00:07:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.90 Mbit/s
95th percentile per-packet one-way delay: 90.226 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 164.76 Mbit/s
95th percentile per-packet one-way delay: 88.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 143.39 Mbit/s
95th percentile per-packet one-way delay: 89.569 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 137.81 Mbit/s
95th percentile per-packet one-way delay: 95.764 ms
Loss rate: 0.00%

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

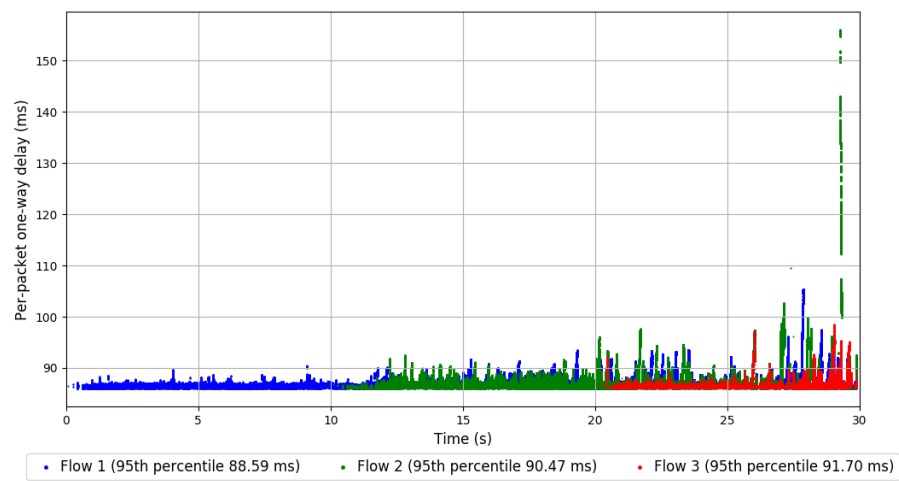
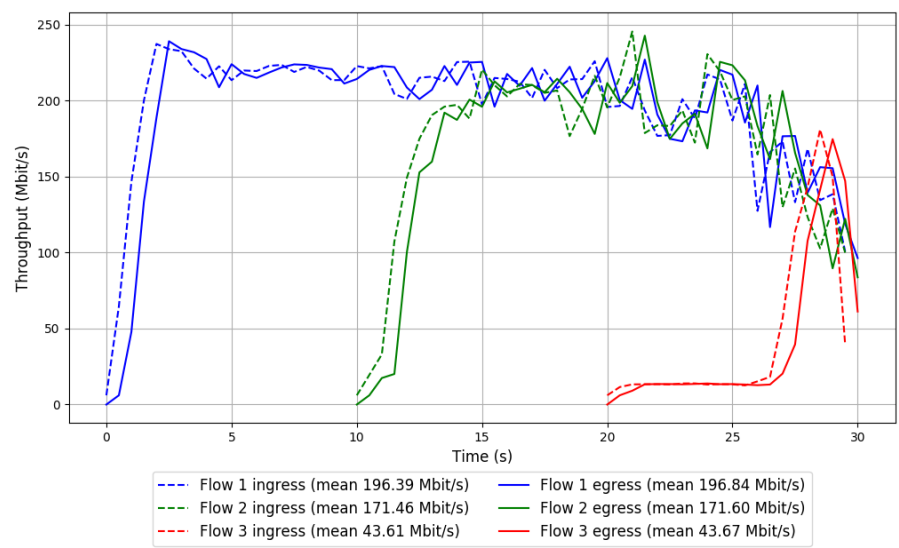


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-10 20:05:08
End at: 2018-08-10 20:05:38
Local clock offset: 0.126 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-11 00:13:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.12 Mbit/s
95th percentile per-packet one-way delay: 89.310 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 196.84 Mbit/s
95th percentile per-packet one-way delay: 88.593 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 171.60 Mbit/s
95th percentile per-packet one-way delay: 90.473 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 43.67 Mbit/s
95th percentile per-packet one-way delay: 91.696 ms
Loss rate: 1.59%

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

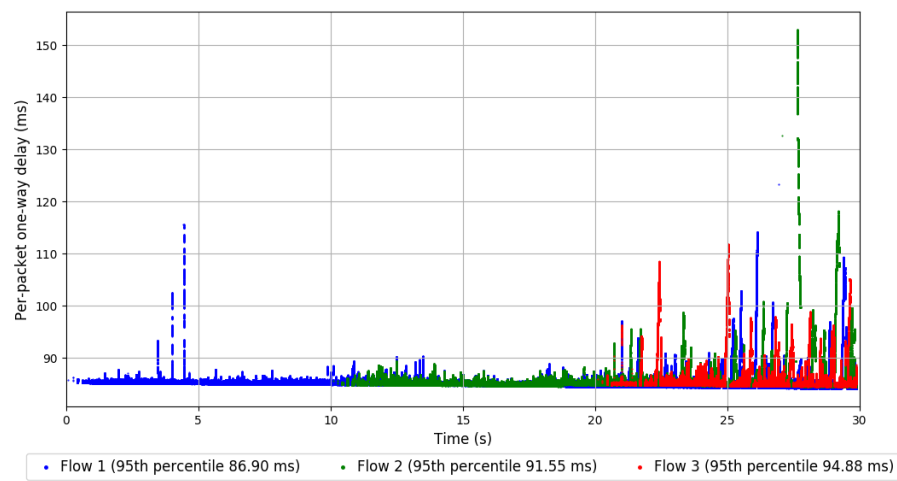
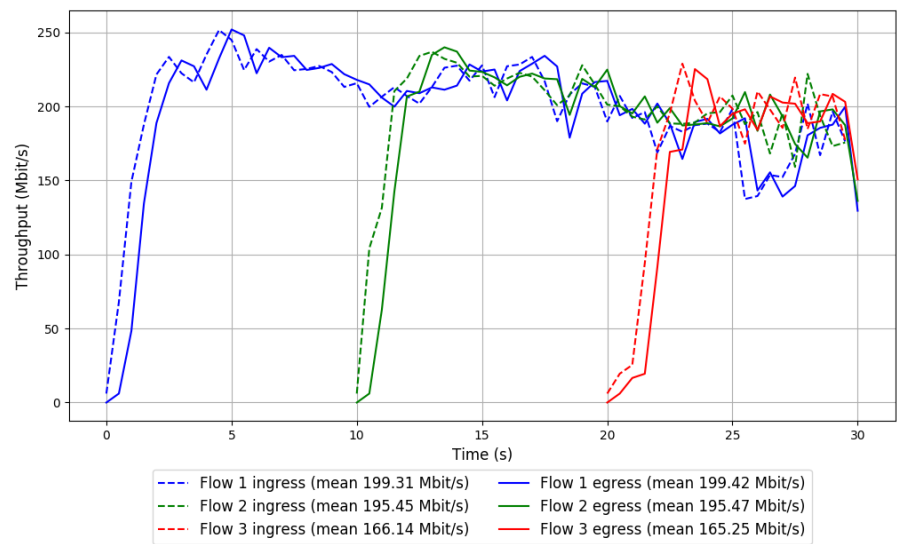


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-10 20:32:14
End at: 2018-08-10 20:32:44
Local clock offset: -0.146 ms
Remote clock offset: -47.959 ms

Below is generated by plot.py at 2018-08-11 00:16:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.51 Mbit/s
95th percentile per-packet one-way delay: 89.853 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 199.42 Mbit/s
95th percentile per-packet one-way delay: 86.899 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 195.47 Mbit/s
95th percentile per-packet one-way delay: 91.553 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 165.25 Mbit/s
95th percentile per-packet one-way delay: 94.884 ms
Loss rate: 2.13%

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

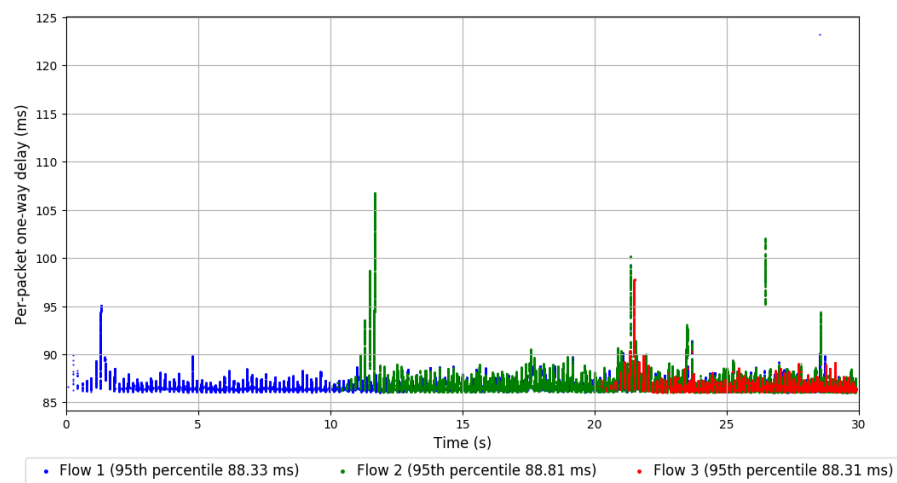
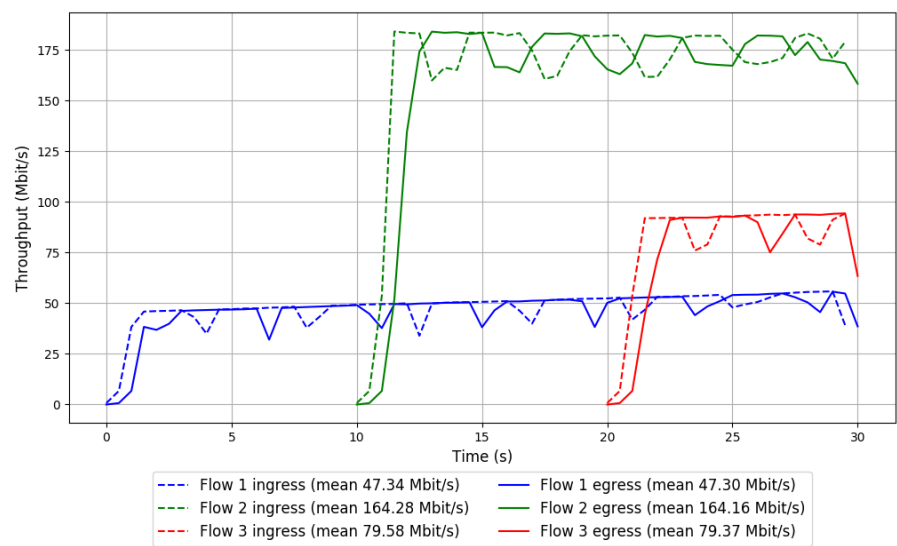


Run 1: Statistics of TCP Vegas

Start at: 2018-08-10 16:40:26
End at: 2018-08-10 16:40:56
Local clock offset: -0.008 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.40 Mbit/s
95th percentile per-packet one-way delay: 88.552 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 88.335 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 164.16 Mbit/s
95th percentile per-packet one-way delay: 88.815 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 88.311 ms
Loss rate: 1.99%

Run 1: Report of TCP Vegas — Data Link

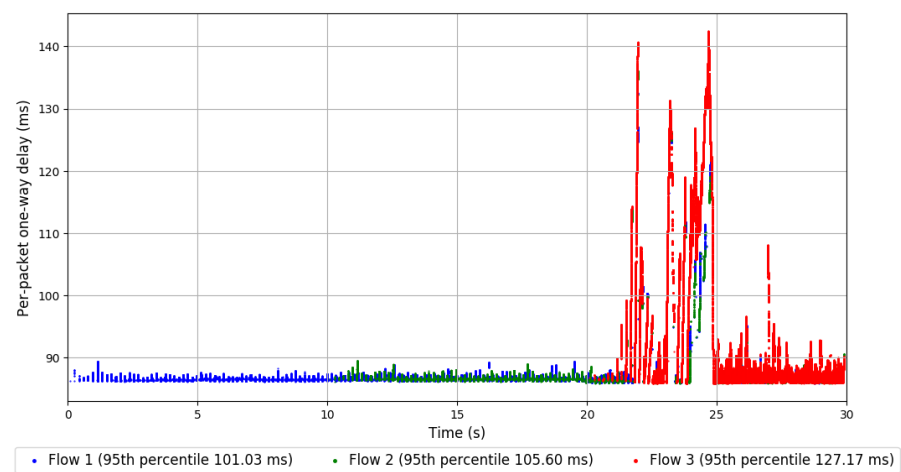
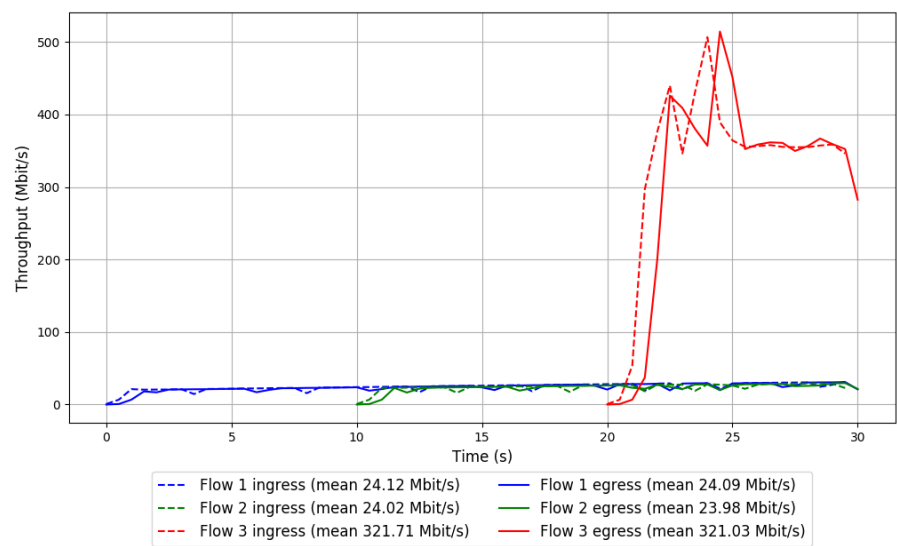


Run 2: Statistics of TCP Vegas

Start at: 2018-08-10 17:06:48
End at: 2018-08-10 17:07:18
Local clock offset: -0.141 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.44 Mbit/s
95th percentile per-packet one-way delay: 123.614 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 101.035 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 105.604 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 321.03 Mbit/s
95th percentile per-packet one-way delay: 127.168 ms
Loss rate: 1.93%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-10 17:33:27

End at: 2018-08-10 17:33:57

Local clock offset: -0.276 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-11 00:16:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.58 Mbit/s

95th percentile per-packet one-way delay: 88.333 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 47.37 Mbit/s

95th percentile per-packet one-way delay: 88.244 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 87.845 ms

Loss rate: 1.03%

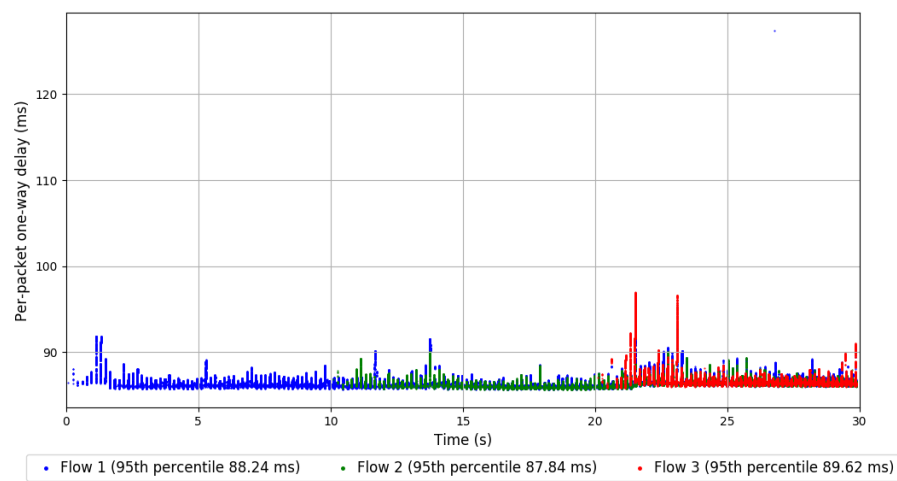
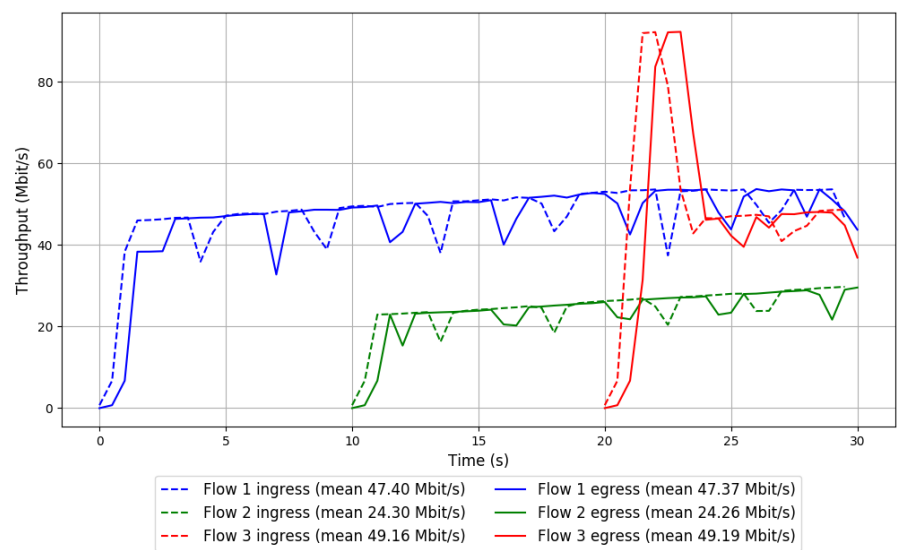
-- Flow 3:

Average throughput: 49.19 Mbit/s

95th percentile per-packet one-way delay: 89.622 ms

Loss rate: 1.67%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-10 17:59:31

End at: 2018-08-10 18:00:01

Local clock offset: 0.068 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-08-11 00:16:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 90.375 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 16.20 Mbit/s

95th percentile per-packet one-way delay: 88.646 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 44.35 Mbit/s

95th percentile per-packet one-way delay: 89.451 ms

Loss rate: 0.97%

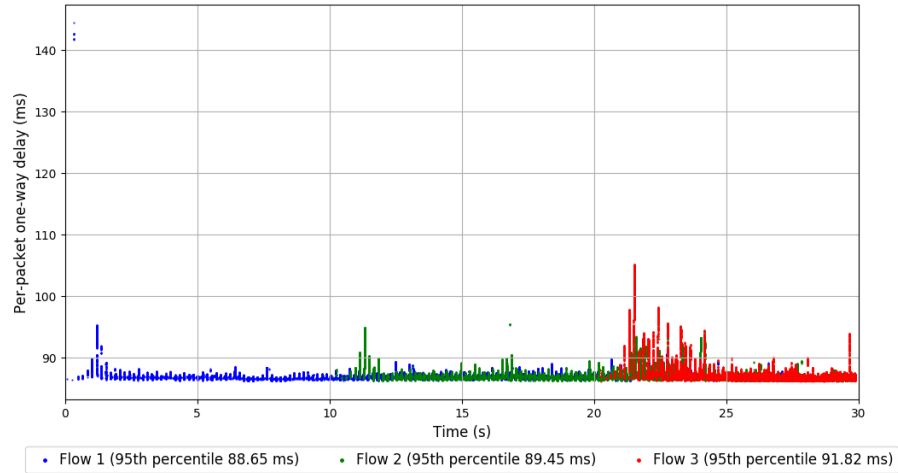
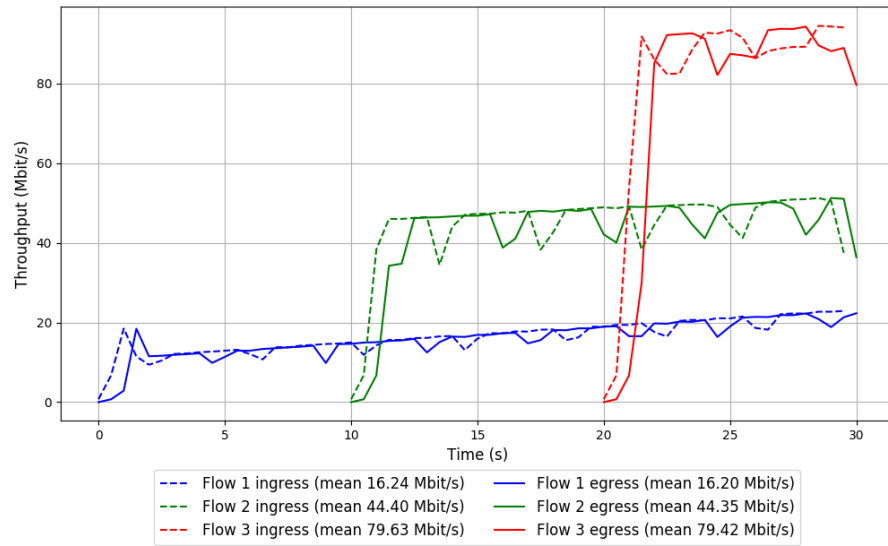
-- Flow 3:

Average throughput: 79.42 Mbit/s

95th percentile per-packet one-way delay: 91.821 ms

Loss rate: 2.00%

Run 4: Report of TCP Vegas — Data Link

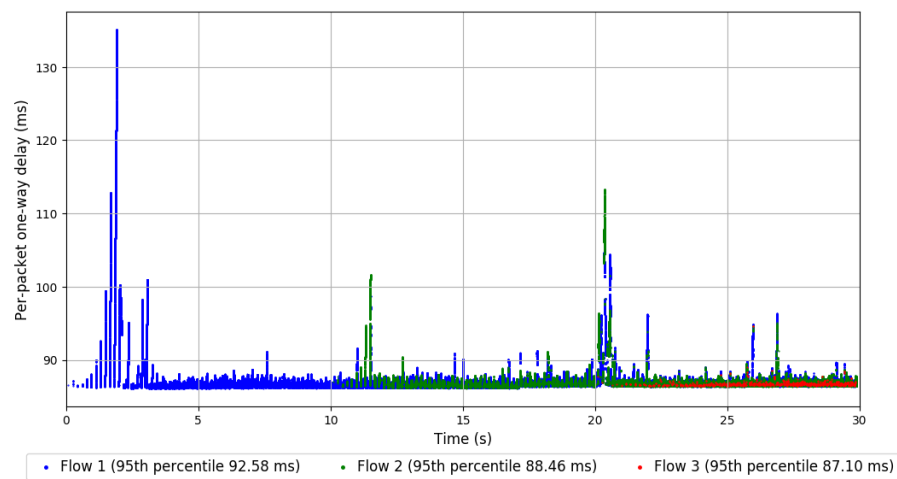
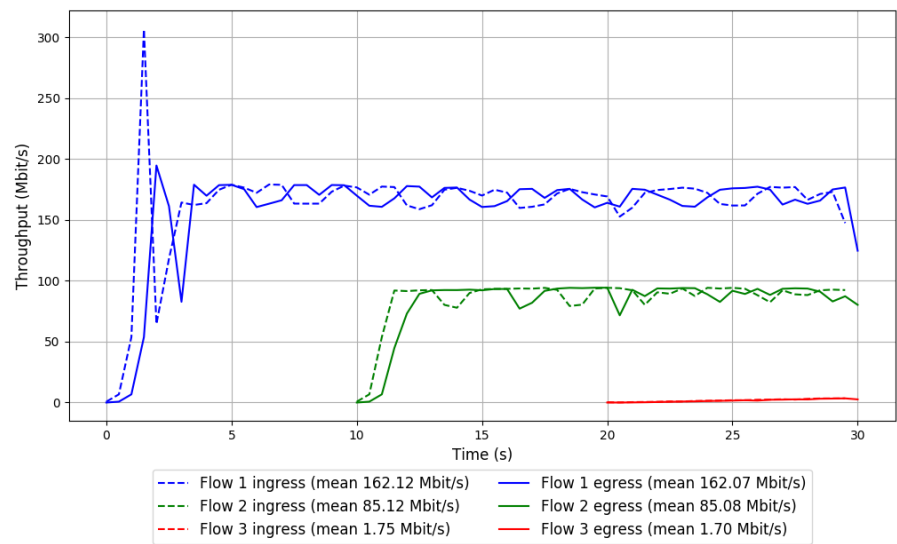


Run 5: Statistics of TCP Vegas

Start at: 2018-08-10 18:25:41
End at: 2018-08-10 18:26:11
Local clock offset: 1.025 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.13 Mbit/s
95th percentile per-packet one-way delay: 91.036 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 162.07 Mbit/s
95th percentile per-packet one-way delay: 92.578 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 85.08 Mbit/s
95th percentile per-packet one-way delay: 88.458 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 87.103 ms
Loss rate: 4.35%

Run 5: Report of TCP Vegas — Data Link

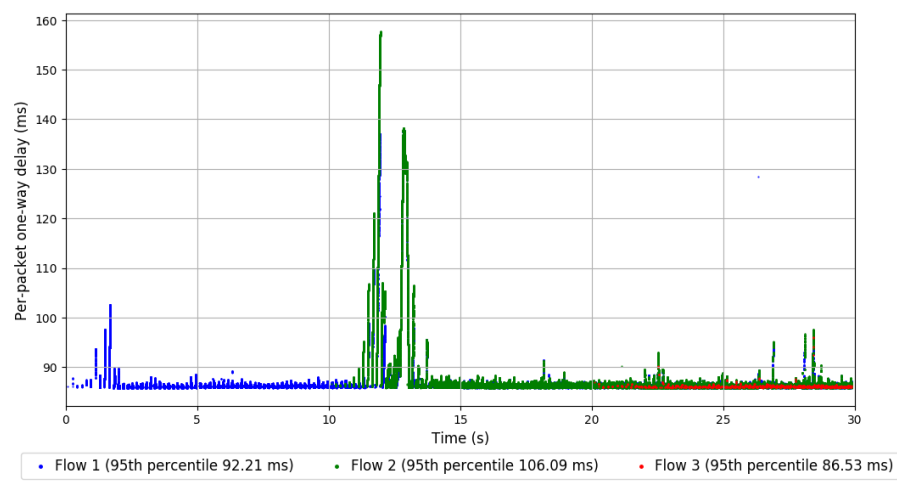
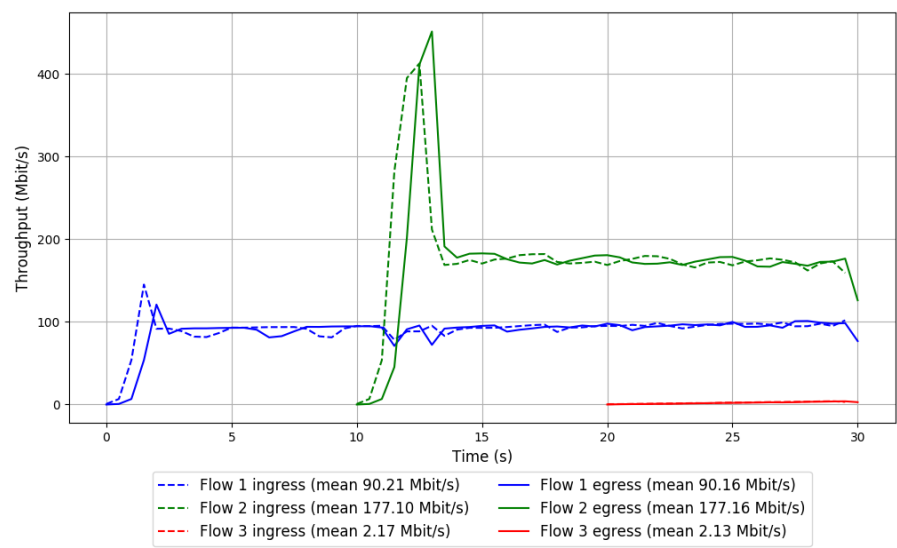


Run 6: Statistics of TCP Vegas

Start at: 2018-08-10 18:52:13
End at: 2018-08-10 18:52:43
Local clock offset: 0.264 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 208.55 Mbit/s
95th percentile per-packet one-way delay: 100.514 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 92.211 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 177.16 Mbit/s
95th percentile per-packet one-way delay: 106.090 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 86.526 ms
Loss rate: 3.56%

Run 6: Report of TCP Vegas — Data Link

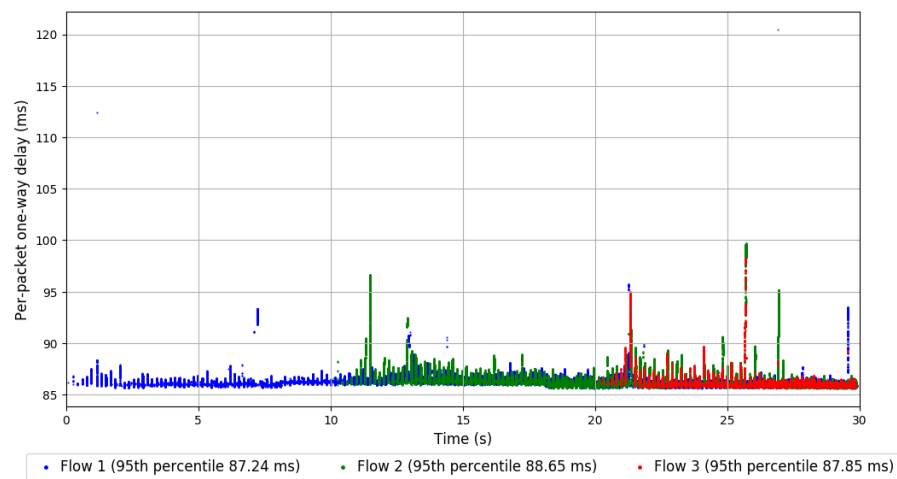
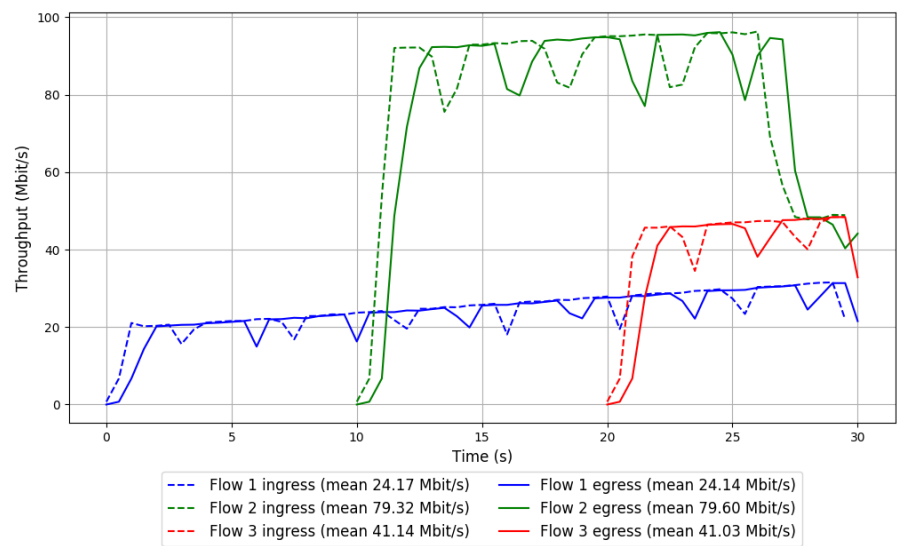


Run 7: Statistics of TCP Vegas

Start at: 2018-08-10 19:18:40
End at: 2018-08-10 19:19:10
Local clock offset: 0.013 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 88.241 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 87.239 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 88.646 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 87.850 ms
Loss rate: 2.00%

Run 7: Report of TCP Vegas — Data Link

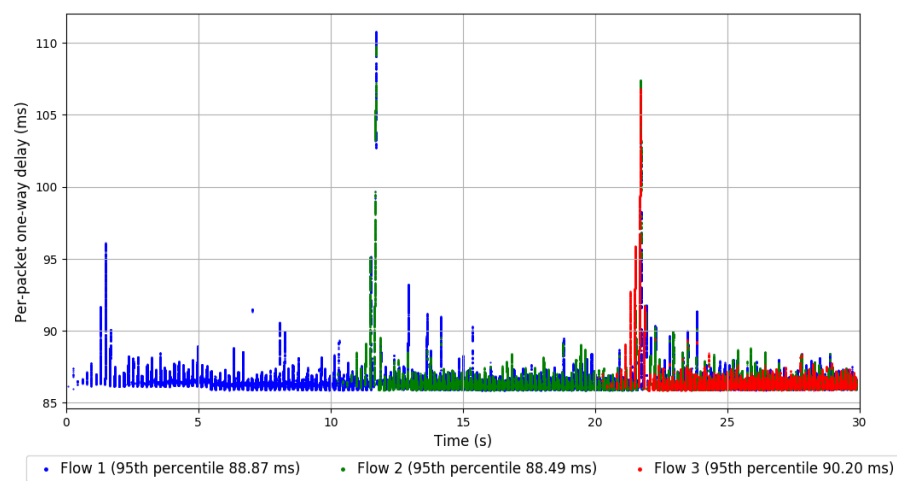
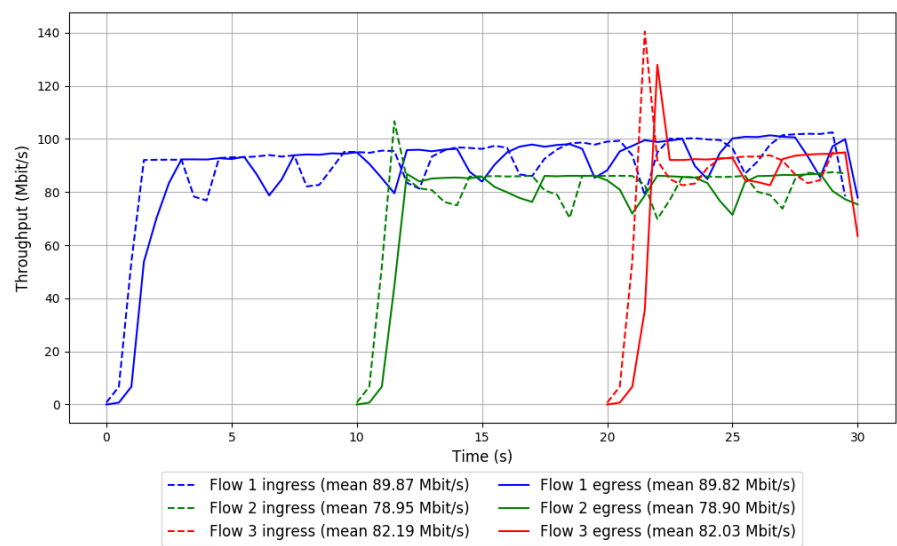


Run 8: Statistics of TCP Vegas

Start at: 2018-08-10 19:45:03
End at: 2018-08-10 19:45:33
Local clock offset: 0.22 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 169.09 Mbit/s
95th percentile per-packet one-way delay: 88.920 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 88.870 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 88.487 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 90.204 ms
Loss rate: 1.94%

Run 8: Report of TCP Vegas — Data Link

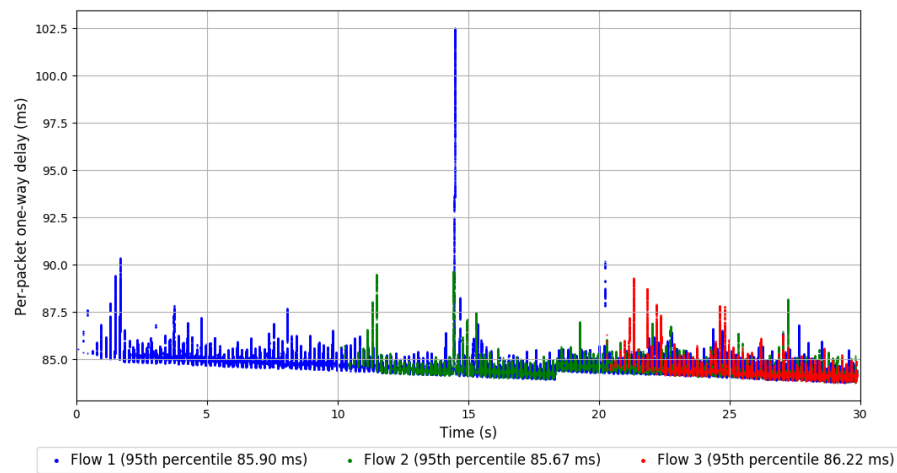
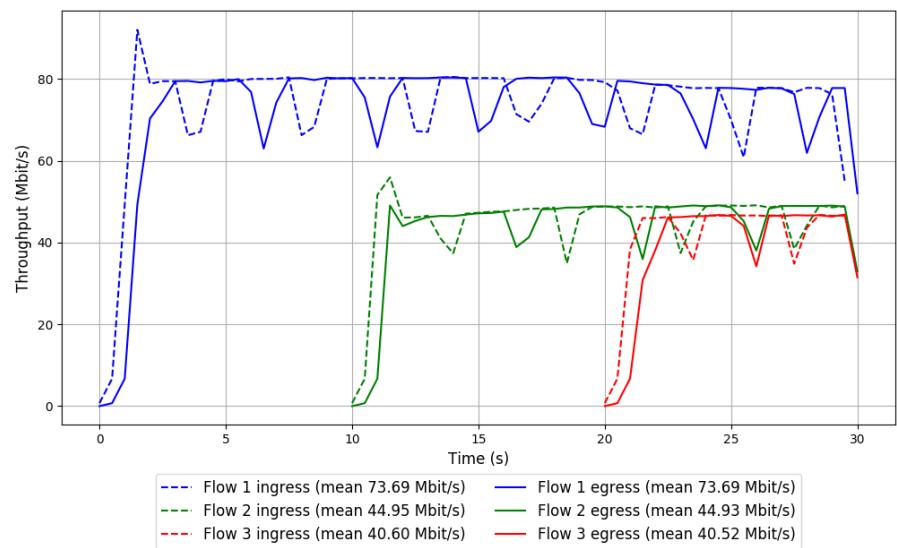


Run 9: Statistics of TCP Vegas

Start at: 2018-08-10 20:11:44
End at: 2018-08-10 20:12:14
Local clock offset: -0.021 ms
Remote clock offset: -15.385 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.77 Mbit/s
95th percentile per-packet one-way delay: 85.890 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 73.69 Mbit/s
95th percentile per-packet one-way delay: 85.903 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 85.666 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 86.219 ms
Loss rate: 1.93%

Run 9: Report of TCP Vegas — Data Link

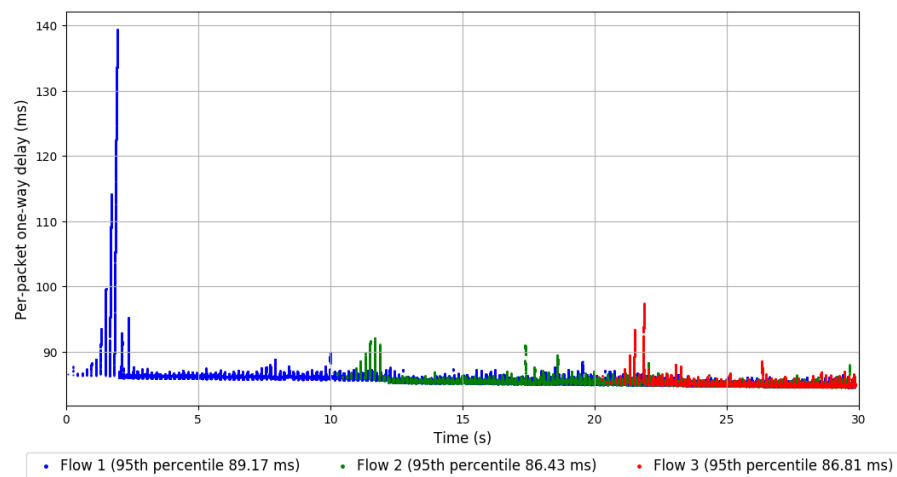
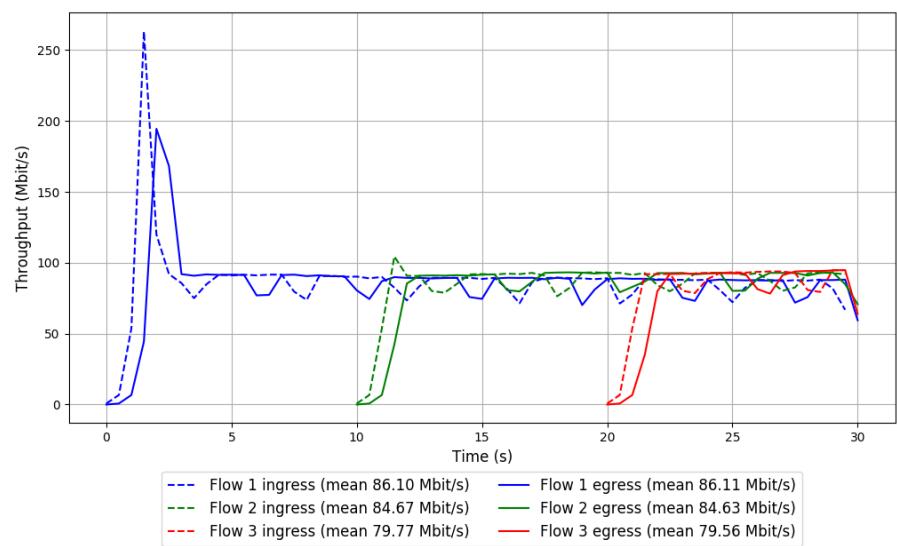


Run 10: Statistics of TCP Vegas

Start at: 2018-08-10 20:38:41
End at: 2018-08-10 20:39:11
Local clock offset: 0.001 ms
Remote clock offset: -63.371 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.32 Mbit/s
95th percentile per-packet one-way delay: 87.340 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 89.172 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 84.63 Mbit/s
95th percentile per-packet one-way delay: 86.426 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 86.813 ms
Loss rate: 2.00%

Run 10: Report of TCP Vegas — Data Link

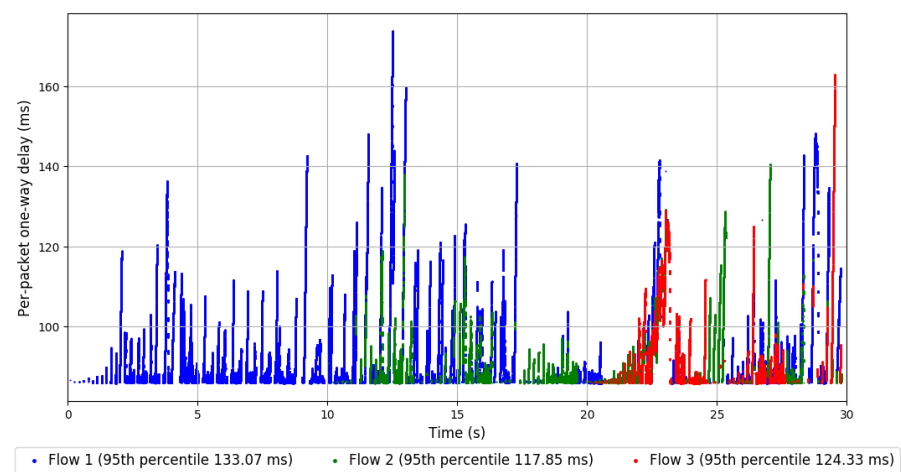
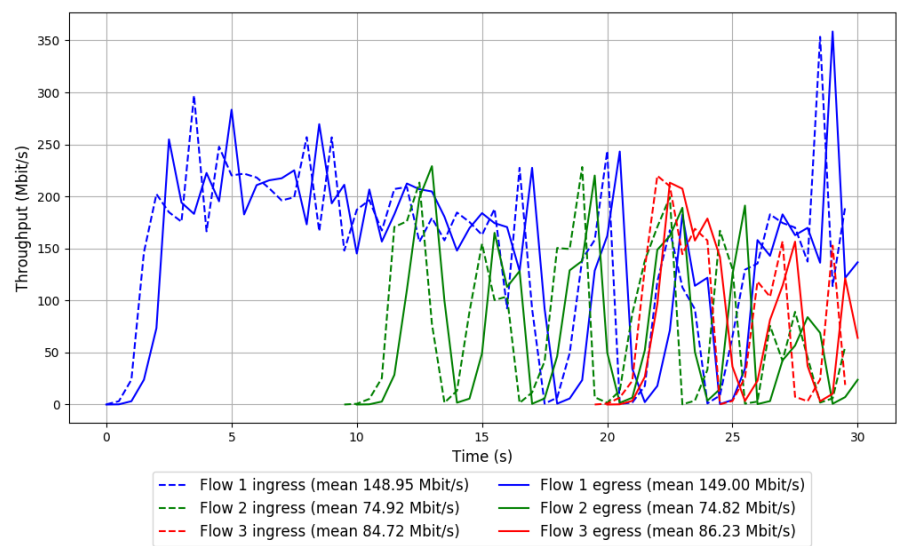


Run 1: Statistics of Verus

Start at: 2018-08-10 16:51:41
End at: 2018-08-10 16:52:11
Local clock offset: -0.157 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.81 Mbit/s
95th percentile per-packet one-way delay: 127.137 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 149.00 Mbit/s
95th percentile per-packet one-way delay: 133.071 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 74.82 Mbit/s
95th percentile per-packet one-way delay: 117.853 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 124.327 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

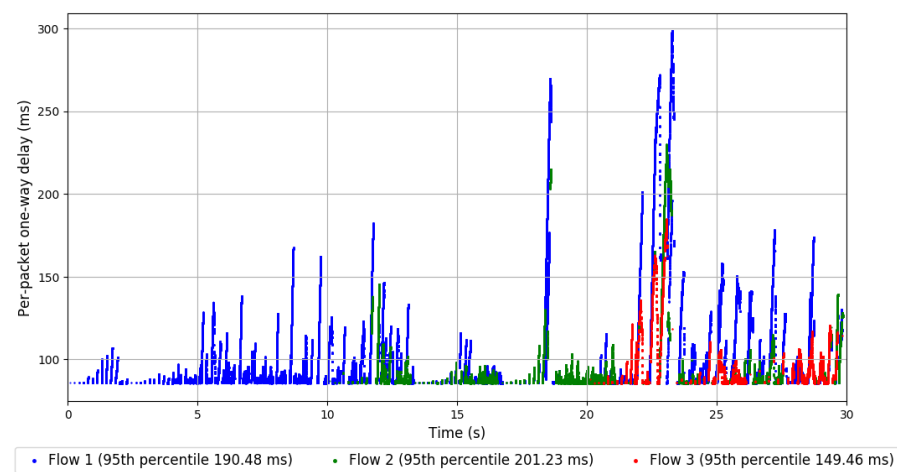
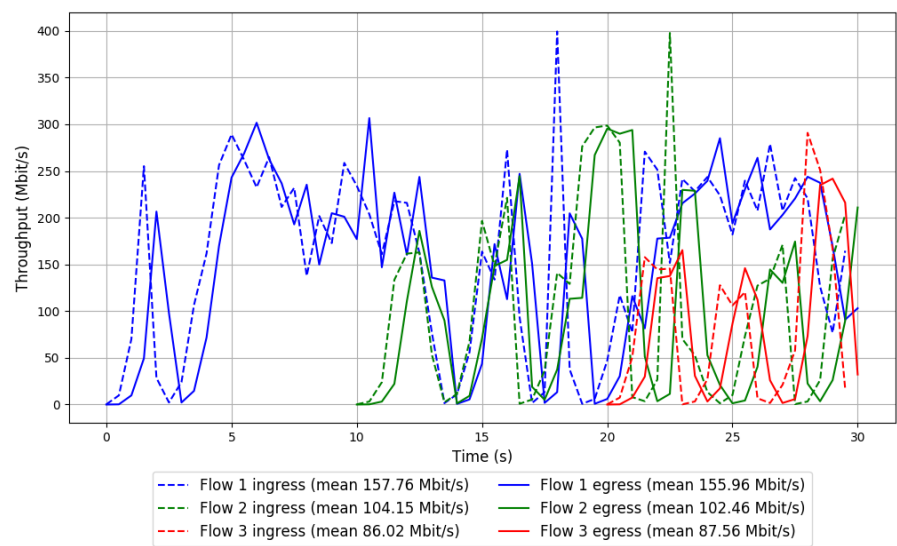


Run 2: Statistics of Verus

Start at: 2018-08-10 17:18:03
End at: 2018-08-10 17:18:33
Local clock offset: -0.379 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.47 Mbit/s
95th percentile per-packet one-way delay: 185.659 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 155.96 Mbit/s
95th percentile per-packet one-way delay: 190.483 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 102.46 Mbit/s
95th percentile per-packet one-way delay: 201.230 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 149.455 ms
Loss rate: 0.01%

Run 2: Report of Verus — Data Link

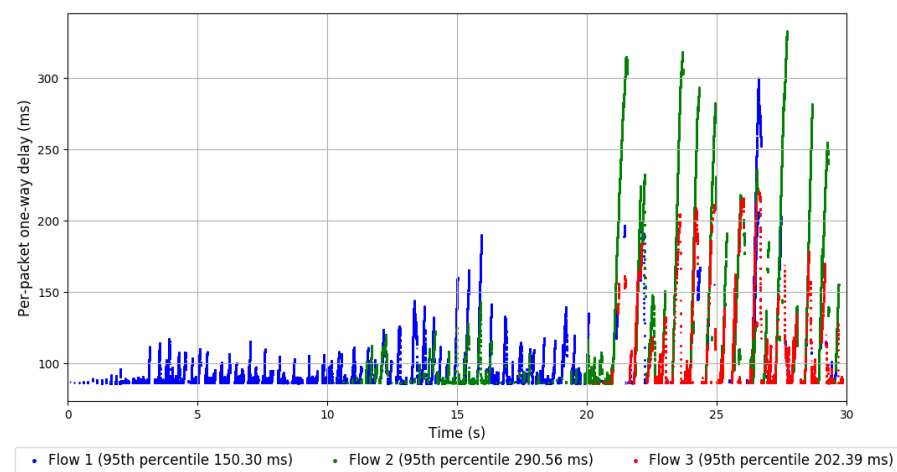
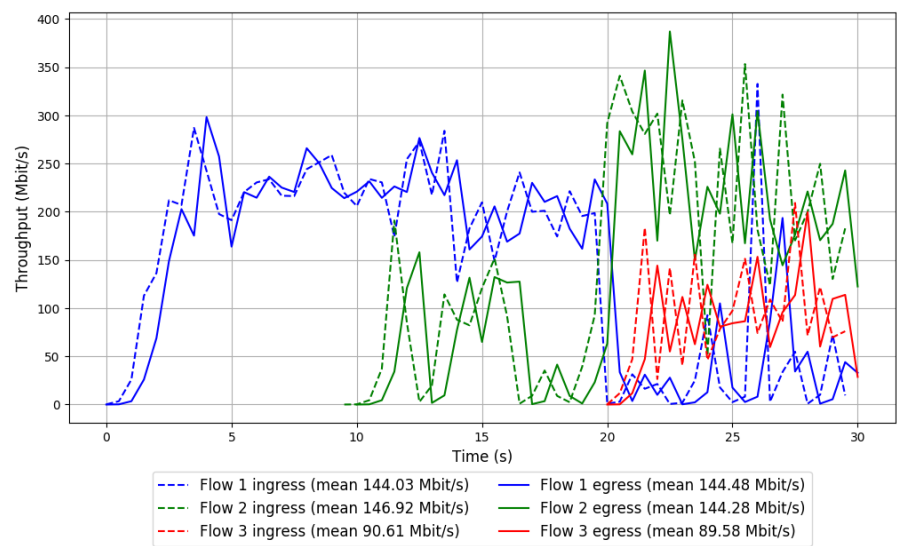


Run 3: Statistics of Verus

Start at: 2018-08-10 17:44:26
End at: 2018-08-10 17:44:56
Local clock offset: 0.06 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.33 Mbit/s
95th percentile per-packet one-way delay: 250.360 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 144.48 Mbit/s
95th percentile per-packet one-way delay: 150.302 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 144.28 Mbit/s
95th percentile per-packet one-way delay: 290.557 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 202.386 ms
Loss rate: 3.09%

Run 3: Report of Verus — Data Link

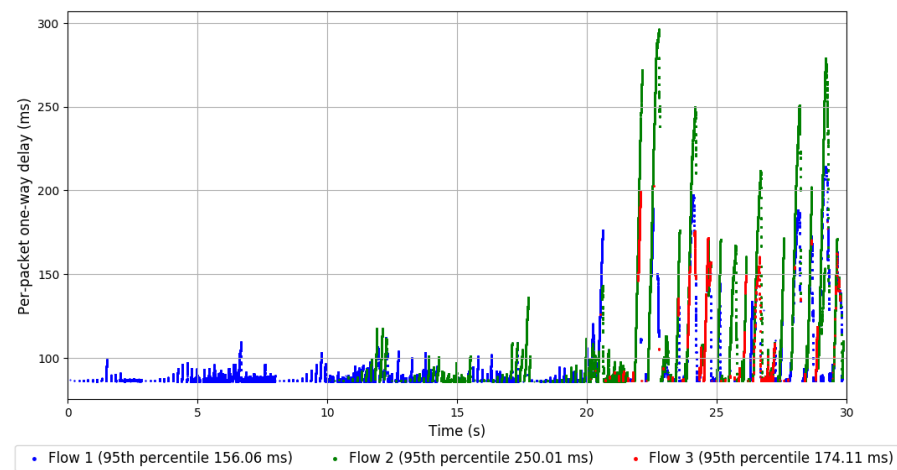
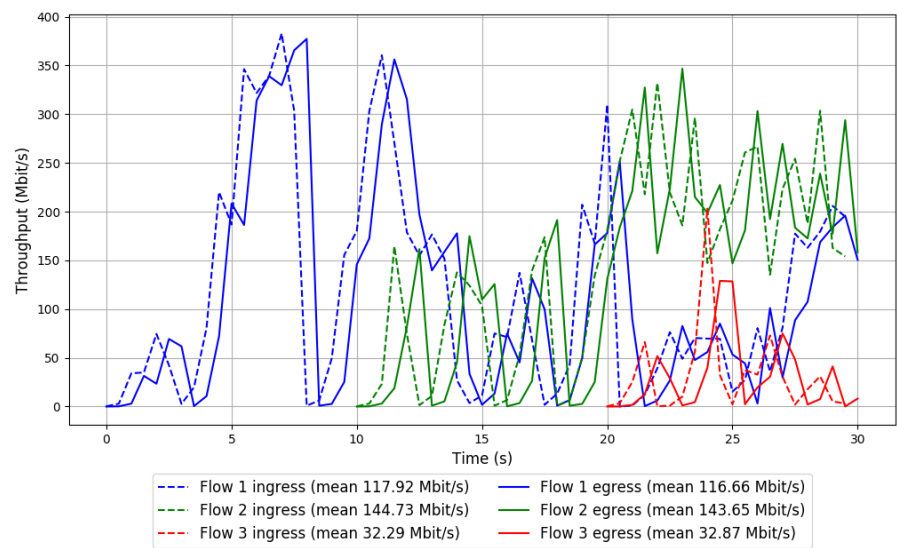


Run 4: Statistics of Verus

Start at: 2018-08-10 18:10:27
End at: 2018-08-10 18:10:57
Local clock offset: 0.383 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-11 00:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.64 Mbit/s
95th percentile per-packet one-way delay: 216.143 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 116.66 Mbit/s
95th percentile per-packet one-way delay: 156.057 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 143.65 Mbit/s
95th percentile per-packet one-way delay: 250.007 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 174.108 ms
Loss rate: 0.01%

Run 4: Report of Verus — Data Link

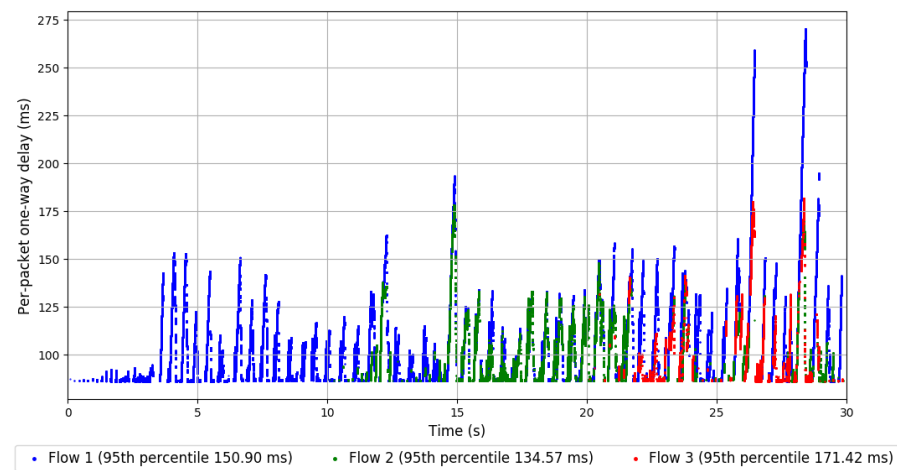
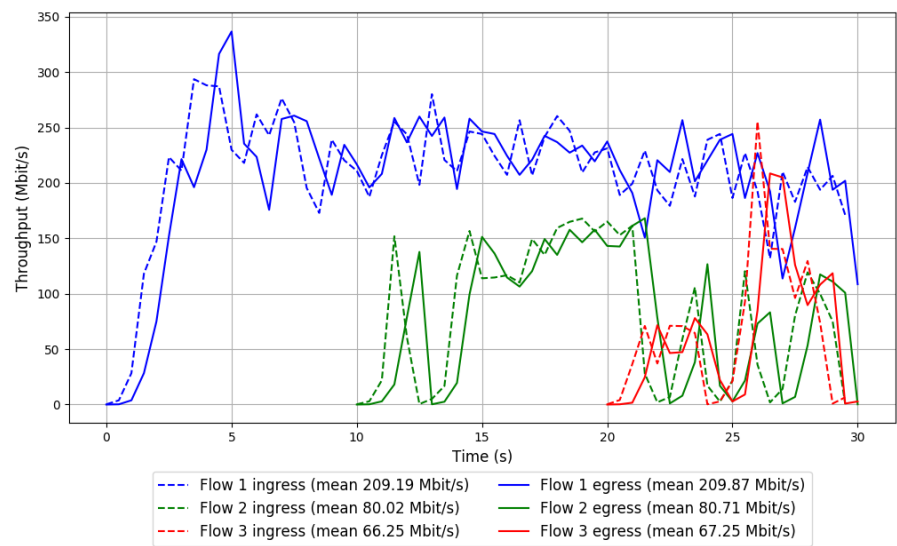


Run 5: Statistics of Verus

Start at: 2018-08-10 18:36:52
End at: 2018-08-10 18:37:22
Local clock offset: 1.063 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-11 00:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.21 Mbit/s
95th percentile per-packet one-way delay: 150.460 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 209.87 Mbit/s
95th percentile per-packet one-way delay: 150.903 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 134.575 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 67.25 Mbit/s
95th percentile per-packet one-way delay: 171.416 ms
Loss rate: 0.28%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-08-10 19:03:27

End at: 2018-08-10 19:03:57

Local clock offset: 0.198 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-08-11 00:18:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.12 Mbit/s

95th percentile per-packet one-way delay: 190.360 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 204.63 Mbit/s

95th percentile per-packet one-way delay: 210.660 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 112.53 Mbit/s

95th percentile per-packet one-way delay: 168.651 ms

Loss rate: 0.21%

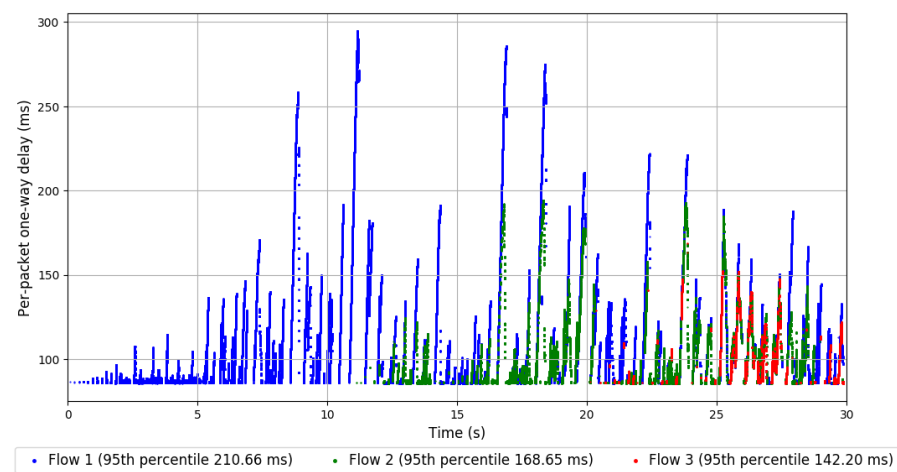
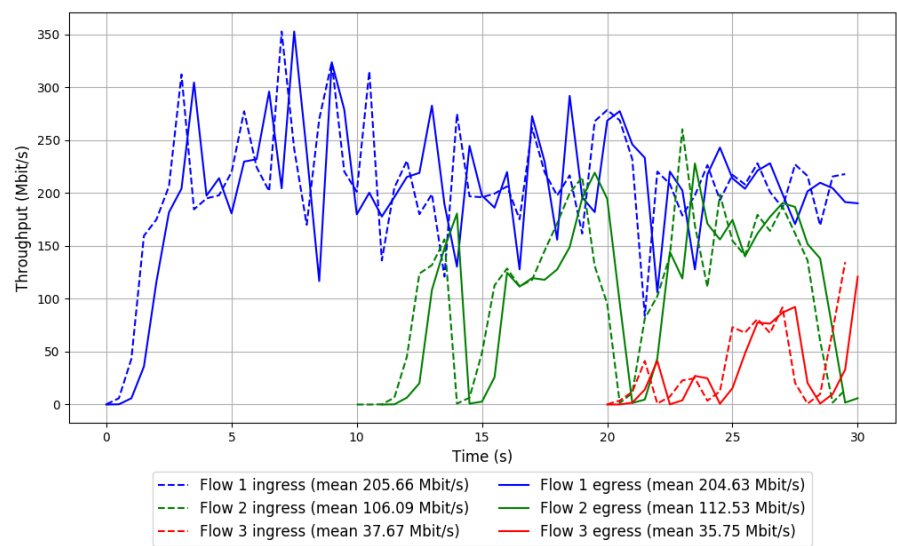
-- Flow 3:

Average throughput: 35.75 Mbit/s

95th percentile per-packet one-way delay: 142.204 ms

Loss rate: 6.75%

Run 6: Report of Verus — Data Link

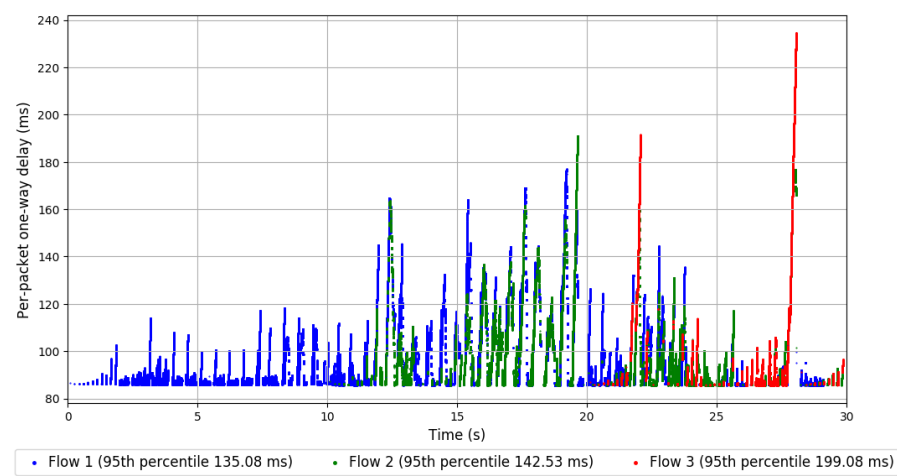
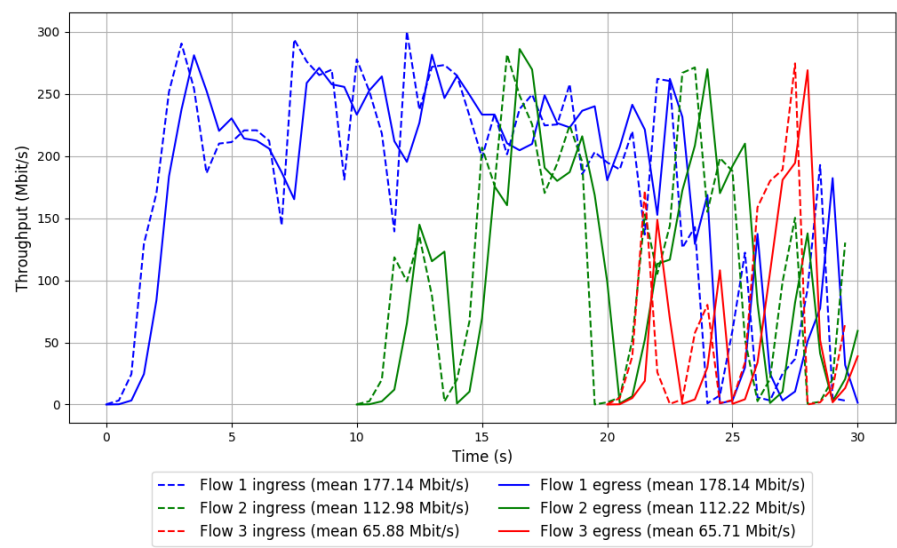


Run 7: Statistics of Verus

Start at: 2018-08-10 19:29:48
End at: 2018-08-10 19:30:18
Local clock offset: -0.072 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-11 00:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.70 Mbit/s
95th percentile per-packet one-way delay: 141.603 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 178.14 Mbit/s
95th percentile per-packet one-way delay: 135.077 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 112.22 Mbit/s
95th percentile per-packet one-way delay: 142.527 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 199.079 ms
Loss rate: 2.03%

Run 7: Report of Verus — Data Link

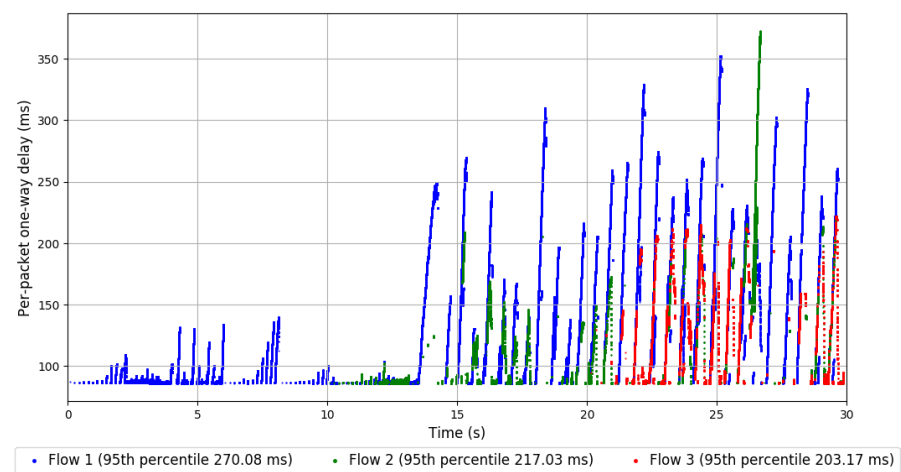
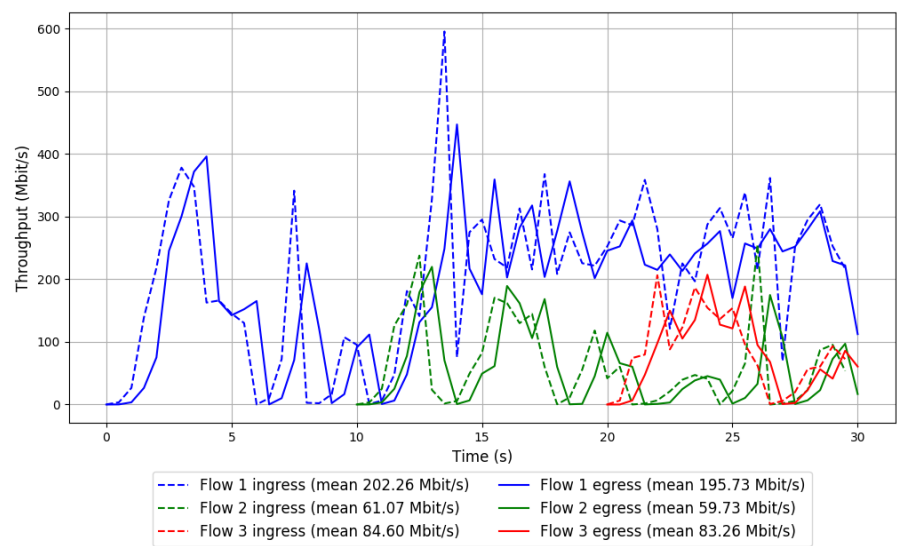


Run 8: Statistics of Verus

Start at: 2018-08-10 19:56:15
End at: 2018-08-10 19:56:45
Local clock offset: 0.076 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-08-11 00:19:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.55 Mbit/s
95th percentile per-packet one-way delay: 265.578 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 195.73 Mbit/s
95th percentile per-packet one-way delay: 270.078 ms
Loss rate: 3.79%
-- Flow 2:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 217.029 ms
Loss rate: 2.98%
-- Flow 3:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 203.167 ms
Loss rate: 3.39%

Run 8: Report of Verus — Data Link

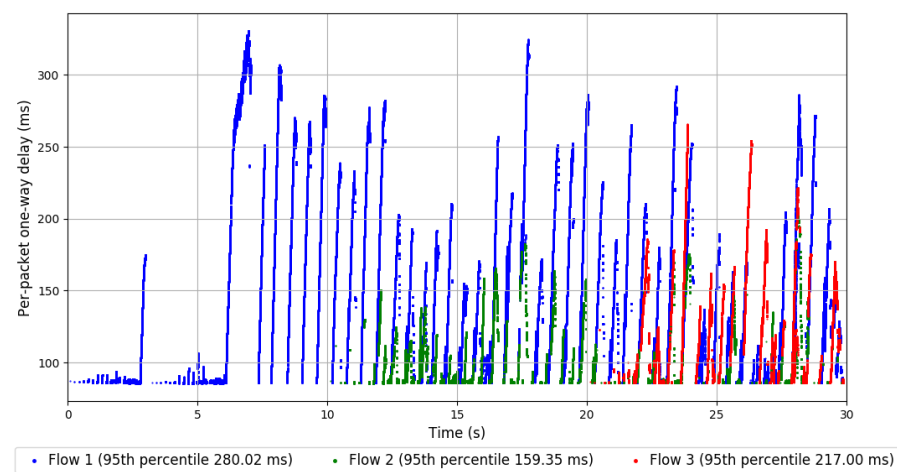
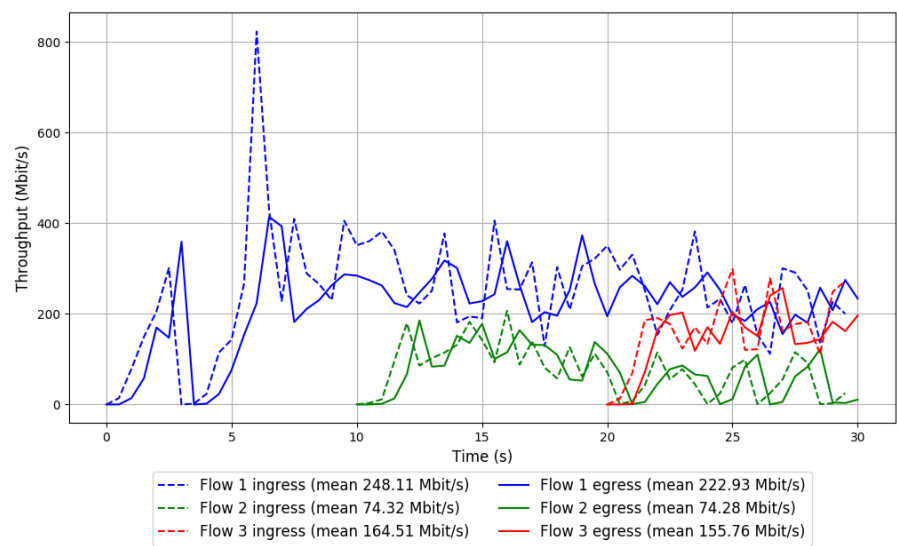


Run 9: Statistics of Verus

Start at: 2018-08-10 20:23:01
End at: 2018-08-10 20:23:31
Local clock offset: 0.077 ms
Remote clock offset: -33.833 ms

Below is generated by plot.py at 2018-08-11 00:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.90 Mbit/s
95th percentile per-packet one-way delay: 271.797 ms
Loss rate: 8.36%
-- Flow 1:
Average throughput: 222.93 Mbit/s
95th percentile per-packet one-way delay: 280.019 ms
Loss rate: 10.14%
-- Flow 2:
Average throughput: 74.28 Mbit/s
95th percentile per-packet one-way delay: 159.351 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 155.76 Mbit/s
95th percentile per-packet one-way delay: 217.001 ms
Loss rate: 7.01%

Run 9: Report of Verus — Data Link

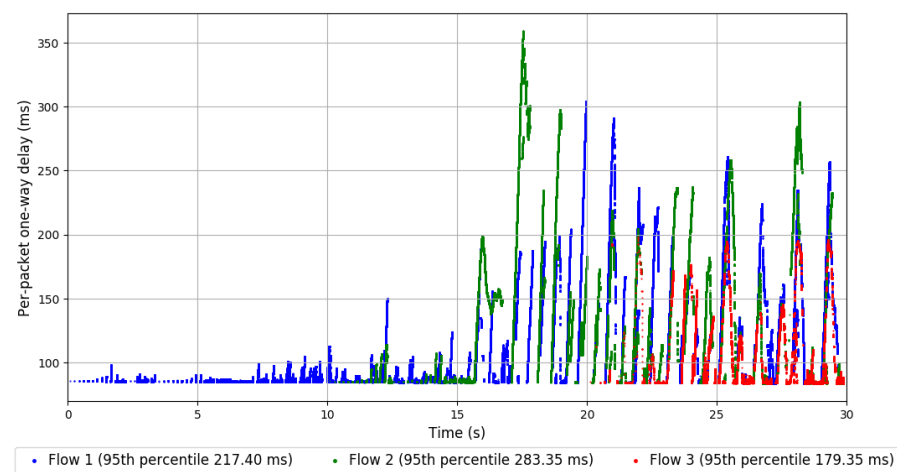
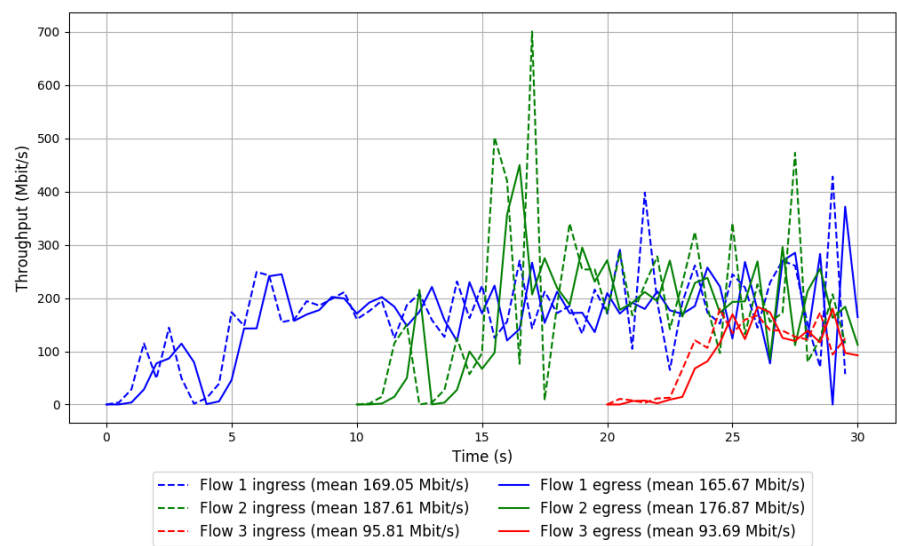


Run 10: Statistics of Verus

Start at: 2018-08-10 20:50:37
End at: 2018-08-10 20:51:07
Local clock offset: -0.221 ms
Remote clock offset: -94.639 ms

Below is generated by plot.py at 2018-08-11 00:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.66 Mbit/s
95th percentile per-packet one-way delay: 244.921 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 165.67 Mbit/s
95th percentile per-packet one-way delay: 217.403 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 176.87 Mbit/s
95th percentile per-packet one-way delay: 283.354 ms
Loss rate: 6.28%
-- Flow 3:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 179.354 ms
Loss rate: 3.97%

Run 10: Report of Verus — Data Link

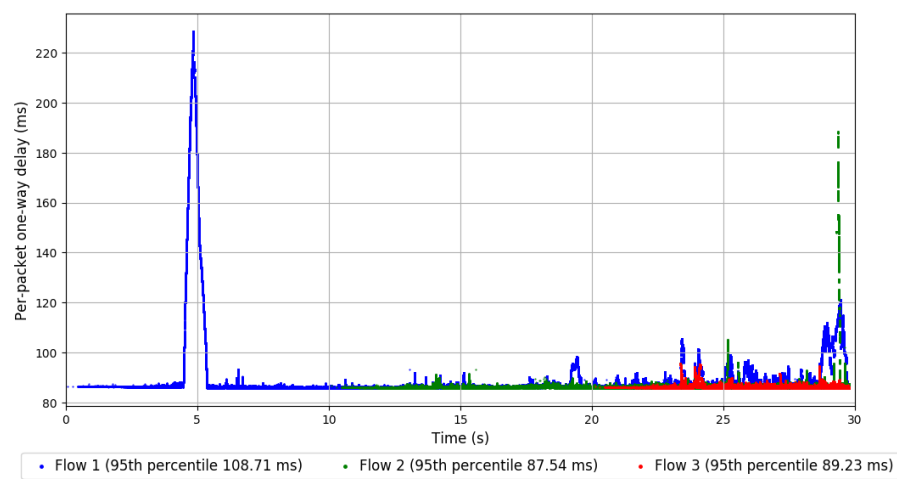
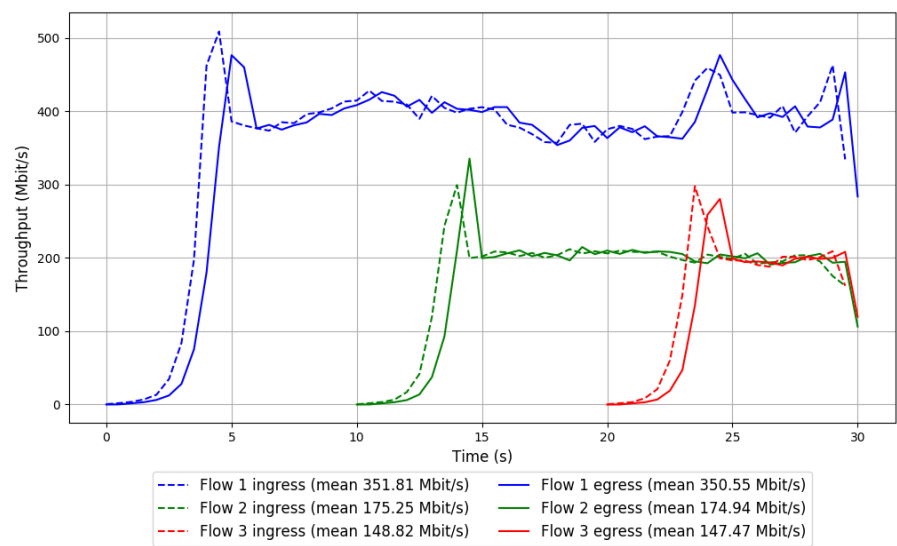


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-10 16:30:43
End at: 2018-08-10 16:31:13
Local clock offset: -0.161 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-11 00:26:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.40 Mbit/s
95th percentile per-packet one-way delay: 101.031 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 350.55 Mbit/s
95th percentile per-packet one-way delay: 108.714 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 174.94 Mbit/s
95th percentile per-packet one-way delay: 87.539 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 147.47 Mbit/s
95th percentile per-packet one-way delay: 89.233 ms
Loss rate: 2.66%

Run 1: Report of PCC-Vivace — Data Link

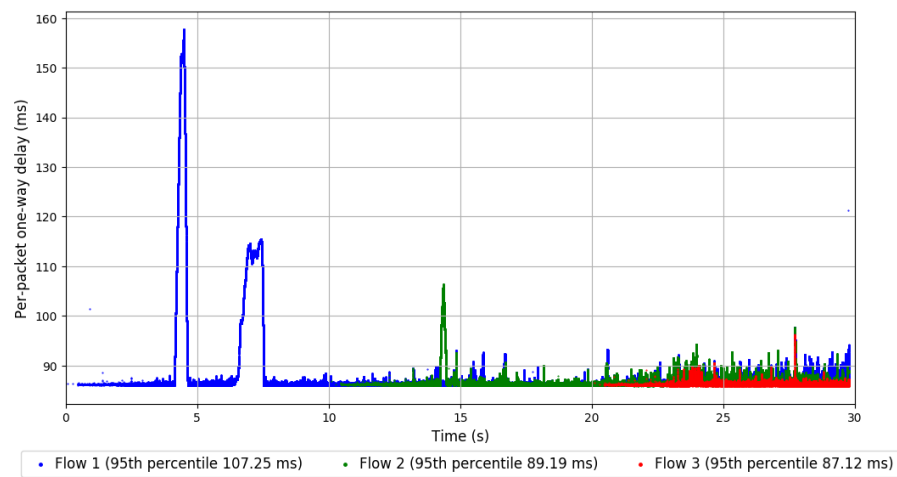
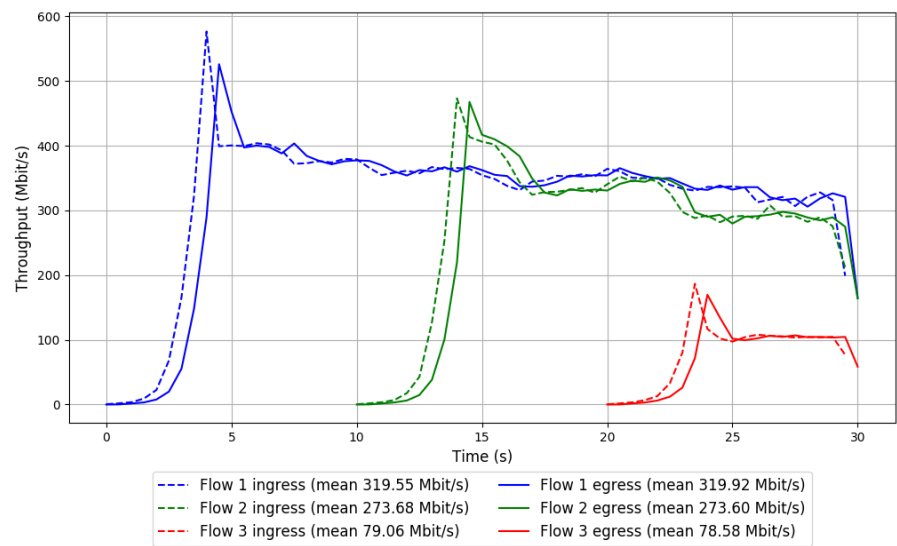


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-10 16:57:07
End at: 2018-08-10 16:57:37
Local clock offset: -0.12 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-08-11 00:28:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 526.94 Mbit/s
95th percentile per-packet one-way delay: 92.144 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 319.92 Mbit/s
95th percentile per-packet one-way delay: 107.245 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 273.60 Mbit/s
95th percentile per-packet one-way delay: 89.188 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 87.120 ms
Loss rate: 2.35%

Run 2: Report of PCC-Vivace — Data Link

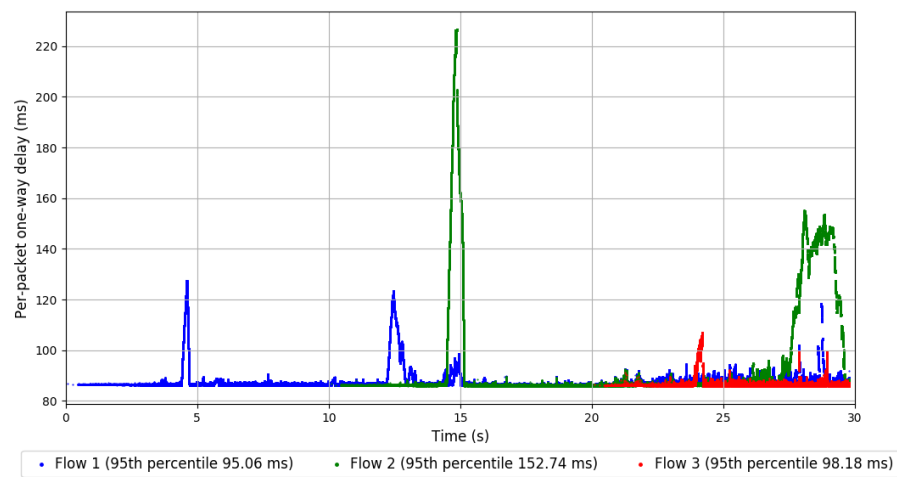
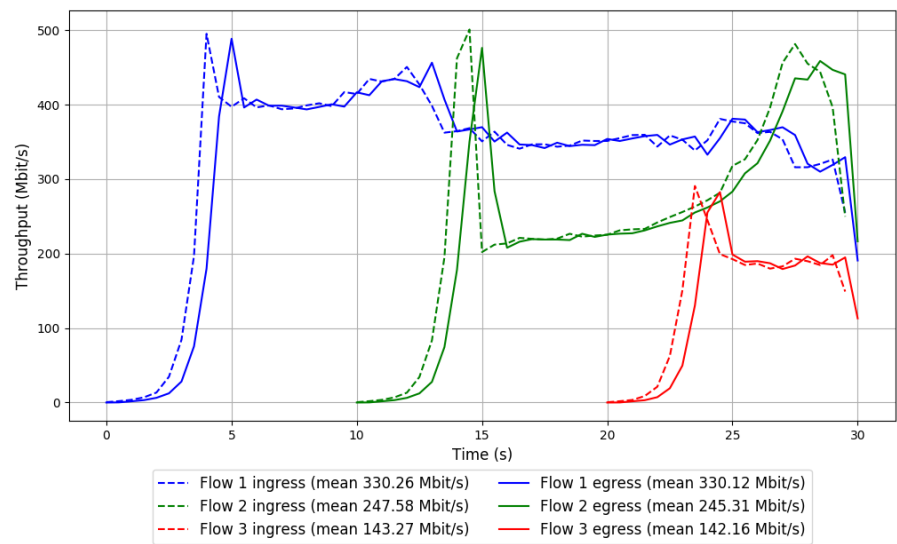


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-10 17:23:40
End at: 2018-08-10 17:24:10
Local clock offset: -0.326 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-11 00:28:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 539.14 Mbit/s
95th percentile per-packet one-way delay: 135.120 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 330.12 Mbit/s
95th percentile per-packet one-way delay: 95.056 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 245.31 Mbit/s
95th percentile per-packet one-way delay: 152.738 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 142.16 Mbit/s
95th percentile per-packet one-way delay: 98.183 ms
Loss rate: 2.53%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-10 17:49:55

End at: 2018-08-10 17:50:25

Local clock offset: -0.003 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-08-11 00:28:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.15 Mbit/s

95th percentile per-packet one-way delay: 95.354 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 284.47 Mbit/s

95th percentile per-packet one-way delay: 93.075 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 276.99 Mbit/s

95th percentile per-packet one-way delay: 146.526 ms

Loss rate: 1.33%

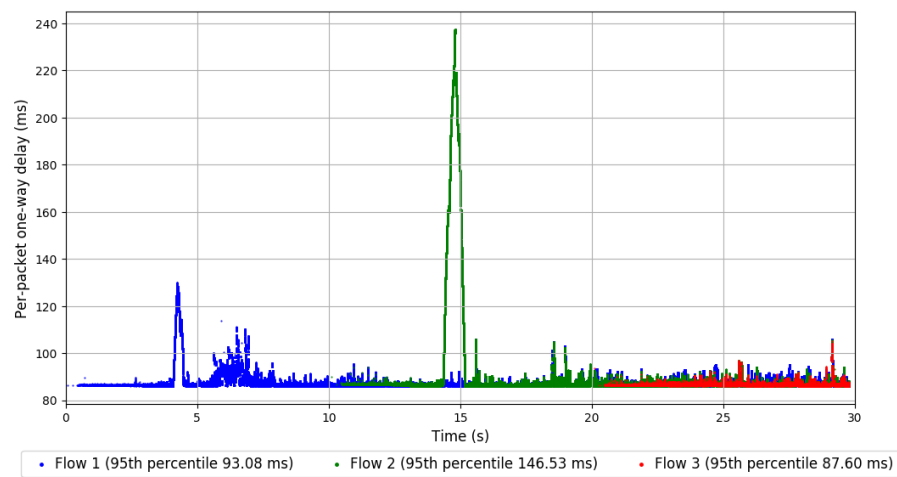
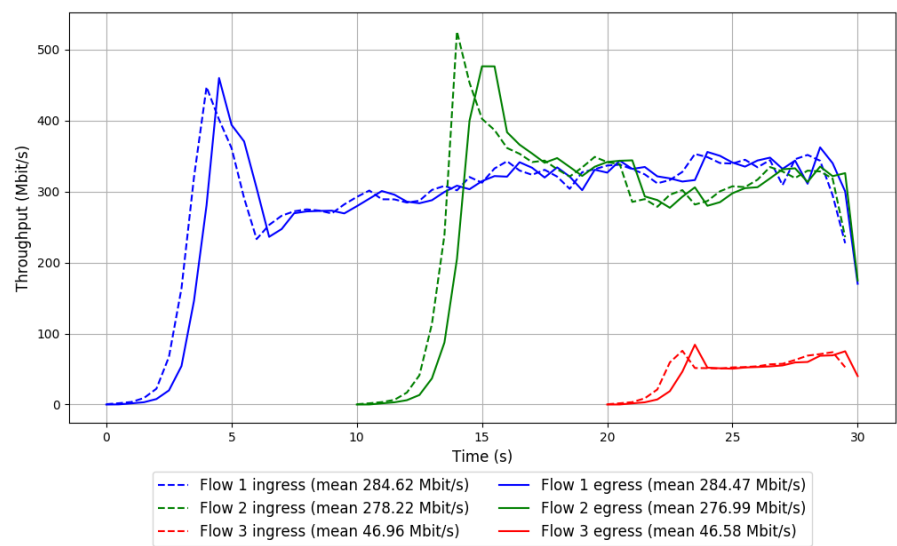
-- Flow 3:

Average throughput: 46.58 Mbit/s

95th percentile per-packet one-way delay: 87.597 ms

Loss rate: 2.67%

Run 4: Report of PCC-Vivace — Data Link

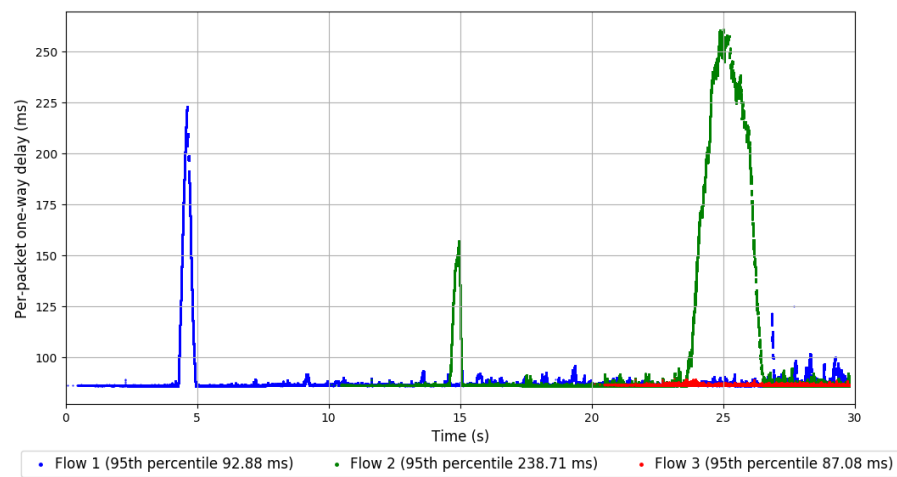
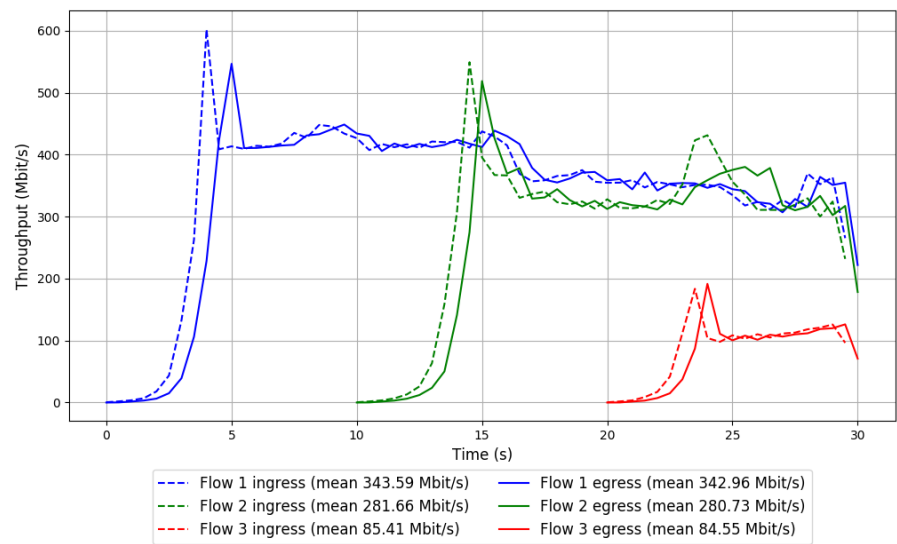


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-10 18:15:51
End at: 2018-08-10 18:16:21
Local clock offset: 0.347 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-11 00:30:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 556.62 Mbit/s
95th percentile per-packet one-way delay: 176.497 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 342.96 Mbit/s
95th percentile per-packet one-way delay: 92.879 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 280.73 Mbit/s
95th percentile per-packet one-way delay: 238.707 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 84.55 Mbit/s
95th percentile per-packet one-way delay: 87.077 ms
Loss rate: 2.75%

Run 5: Report of PCC-Vivace — Data Link

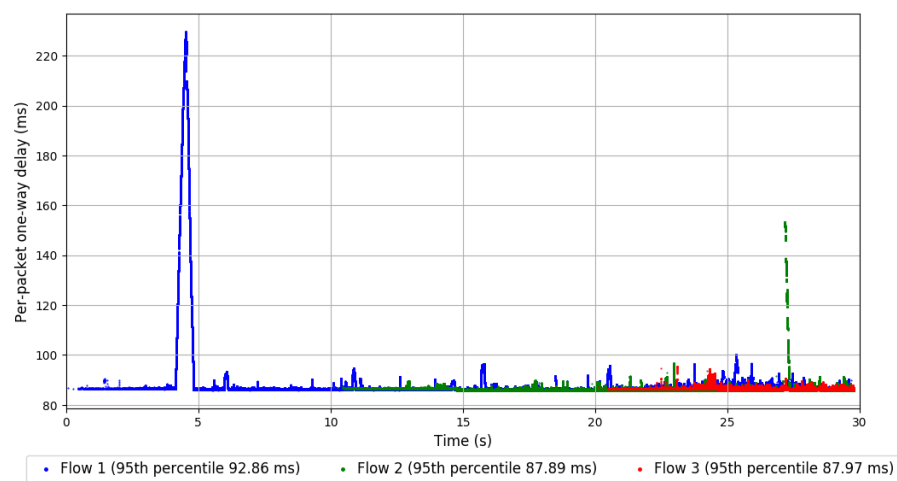
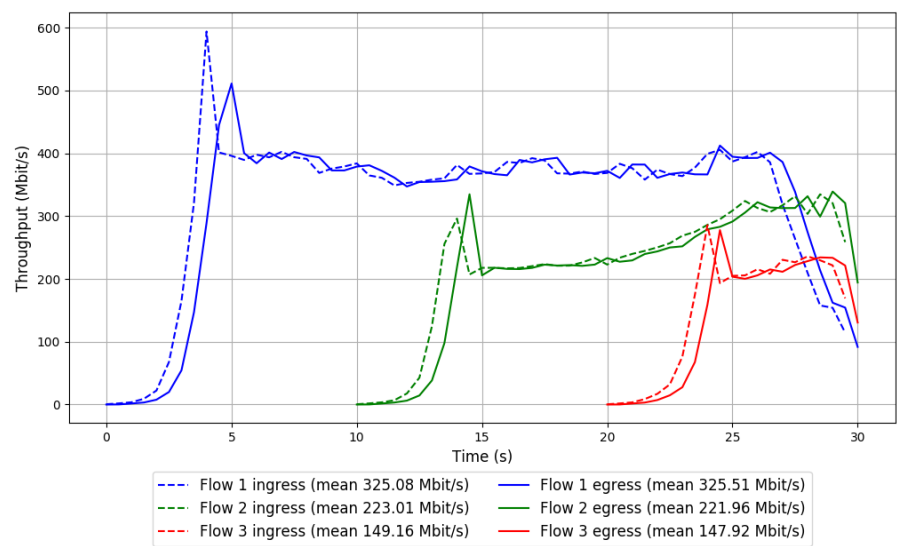


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-10 18:42:23
End at: 2018-08-10 18:42:53
Local clock offset: 0.328 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-08-11 00:30:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.88 Mbit/s
95th percentile per-packet one-way delay: 90.294 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 325.51 Mbit/s
95th percentile per-packet one-way delay: 92.856 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 221.96 Mbit/s
95th percentile per-packet one-way delay: 87.886 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 147.92 Mbit/s
95th percentile per-packet one-way delay: 87.973 ms
Loss rate: 2.59%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-10 19:08:57

End at: 2018-08-10 19:09:27

Local clock offset: 0.256 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-11 00:30:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 428.19 Mbit/s

95th percentile per-packet one-way delay: 88.684 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 257.07 Mbit/s

95th percentile per-packet one-way delay: 89.432 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 185.64 Mbit/s

95th percentile per-packet one-way delay: 86.843 ms

Loss rate: 1.29%

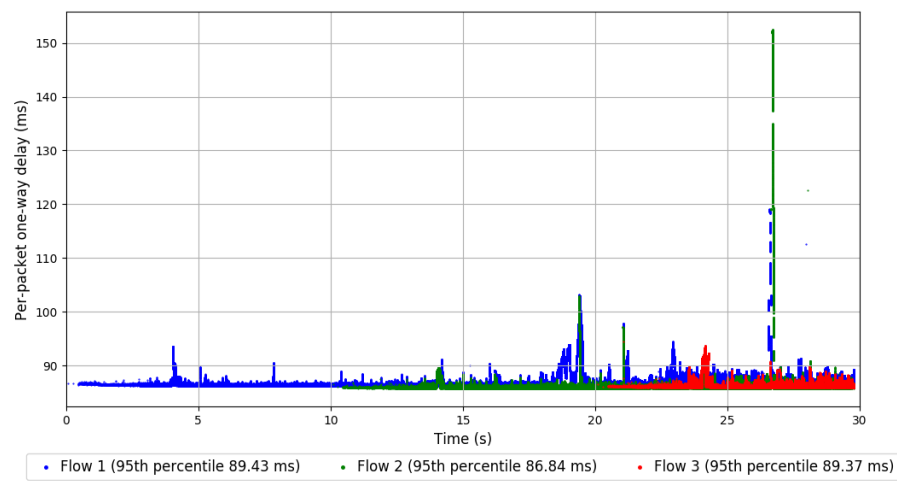
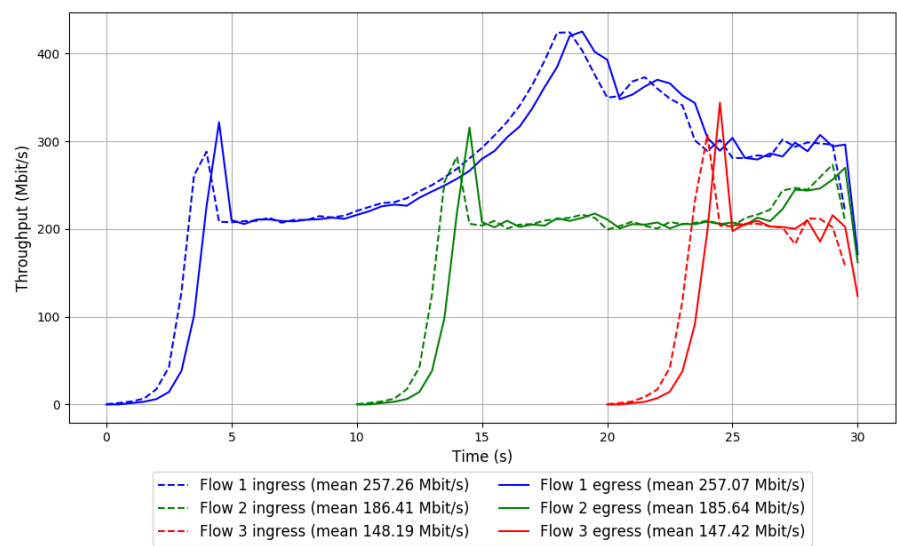
-- Flow 3:

Average throughput: 147.42 Mbit/s

95th percentile per-packet one-way delay: 89.369 ms

Loss rate: 2.29%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-10 19:35:22

End at: 2018-08-10 19:35:52

Local clock offset: 0.174 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-08-11 00:31:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.74 Mbit/s

95th percentile per-packet one-way delay: 130.610 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 296.79 Mbit/s

95th percentile per-packet one-way delay: 129.888 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 184.04 Mbit/s

95th percentile per-packet one-way delay: 138.629 ms

Loss rate: 0.54%

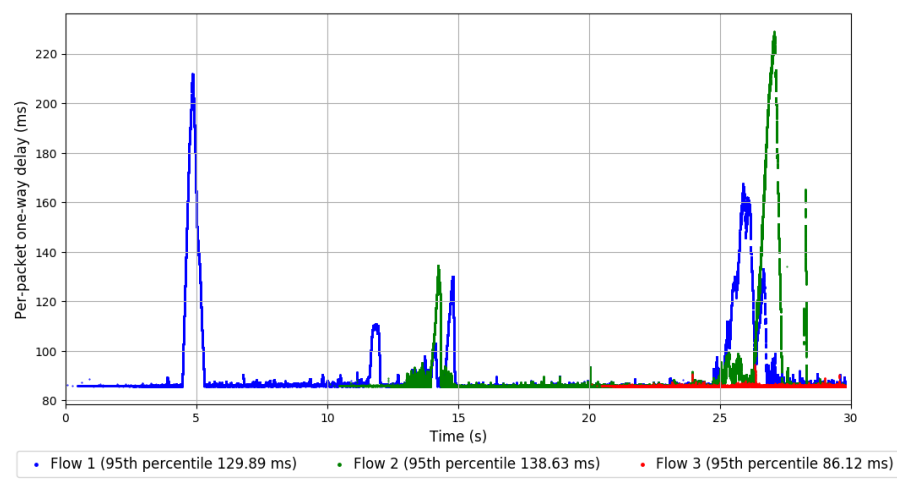
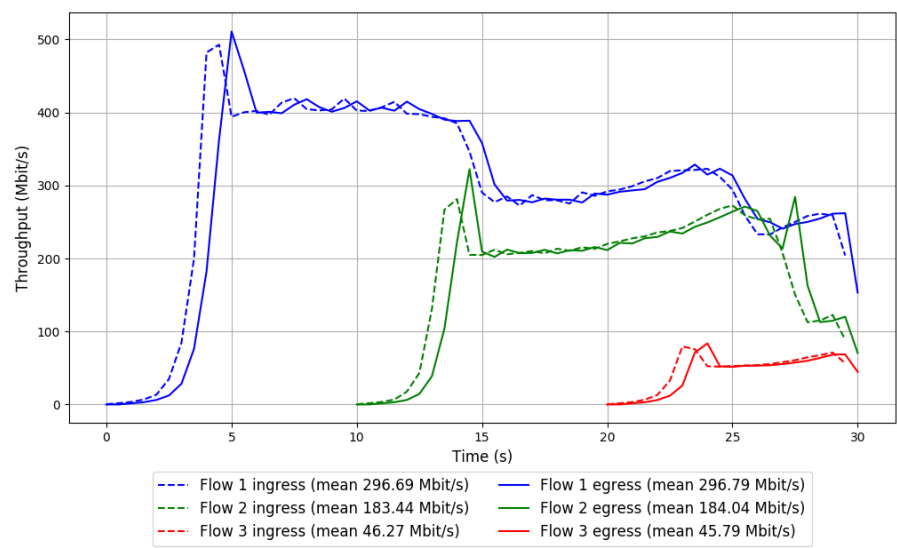
-- Flow 3:

Average throughput: 45.79 Mbit/s

95th percentile per-packet one-way delay: 86.125 ms

Loss rate: 2.79%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-10 20:01:43

End at: 2018-08-10 20:02:13

Local clock offset: -0.045 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-11 00:32:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.23 Mbit/s

95th percentile per-packet one-way delay: 88.243 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 329.52 Mbit/s

95th percentile per-packet one-way delay: 89.206 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 189.21 Mbit/s

95th percentile per-packet one-way delay: 87.303 ms

Loss rate: 1.02%

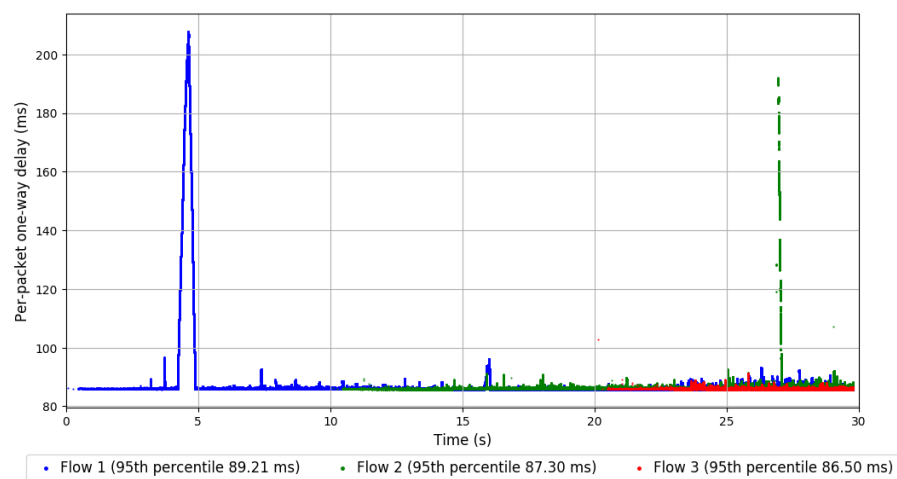
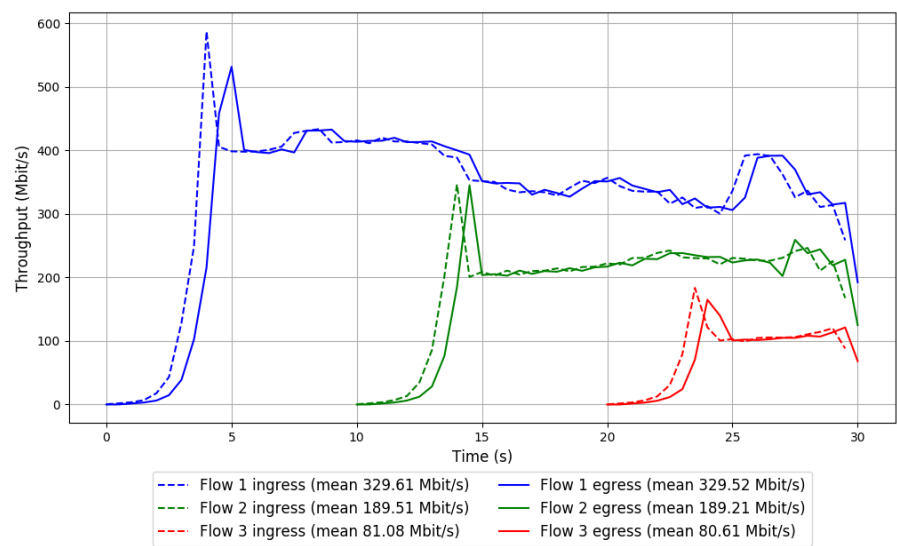
-- Flow 3:

Average throughput: 80.61 Mbit/s

95th percentile per-packet one-way delay: 86.497 ms

Loss rate: 2.49%

Run 9: Report of PCC-Vivace — Data Link

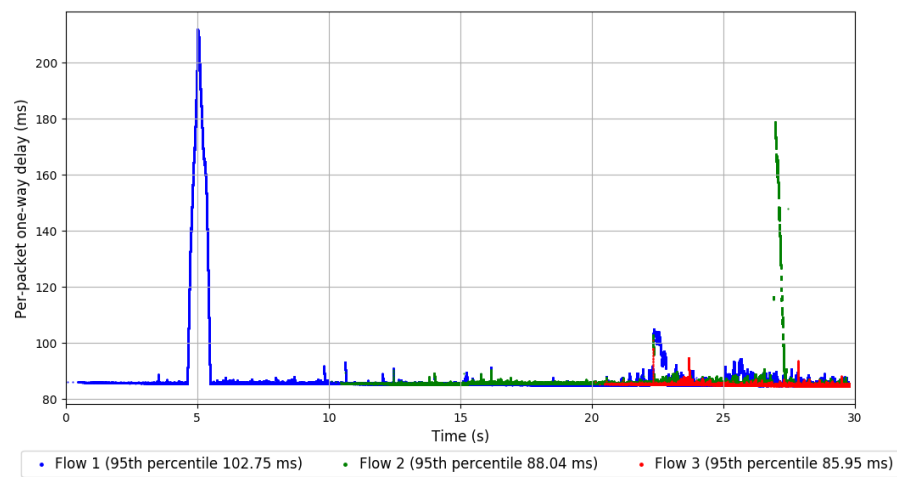
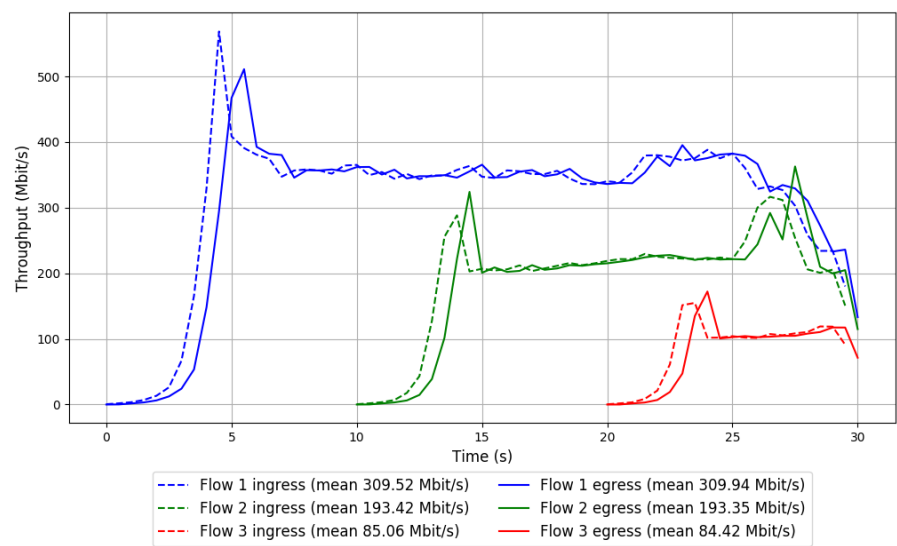


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-10 20:28:48
End at: 2018-08-10 20:29:18
Local clock offset: 0.054 ms
Remote clock offset: -41.401 ms

Below is generated by plot.py at 2018-08-11 00:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.63 Mbit/s
95th percentile per-packet one-way delay: 96.124 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 309.94 Mbit/s
95th percentile per-packet one-way delay: 102.749 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 193.35 Mbit/s
95th percentile per-packet one-way delay: 88.036 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 84.42 Mbit/s
95th percentile per-packet one-way delay: 85.950 ms
Loss rate: 2.50%

Run 10: Report of PCC-Vivace — Data Link

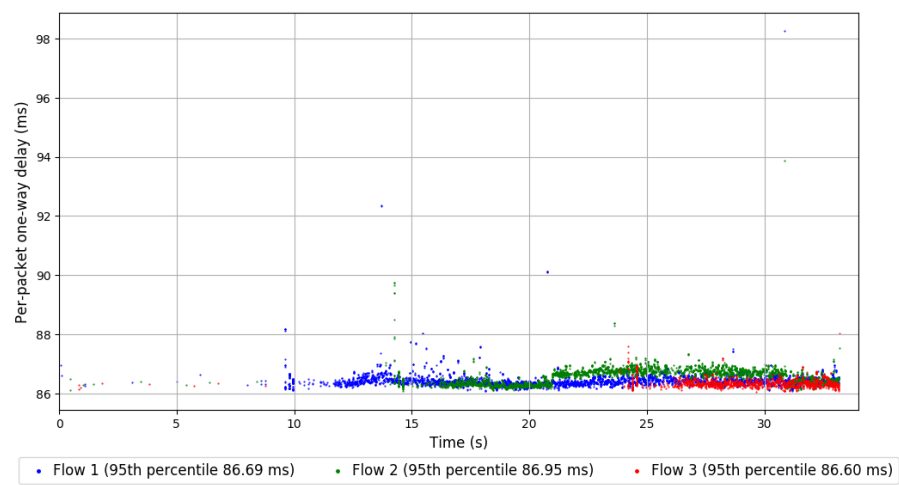
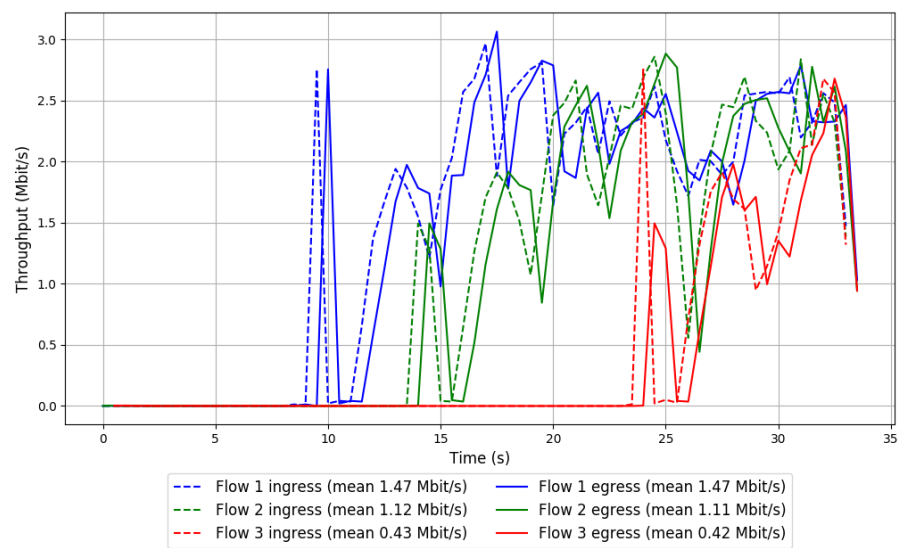


Run 1: Statistics of WebRTC media

Start at: 2018-08-10 16:35:50
End at: 2018-08-10 16:36:20
Local clock offset: -0.049 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-11 00:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 86.870 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 86.695 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 86.946 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.601 ms
Loss rate: 3.22%

Run 1: Report of WebRTC media — Data Link

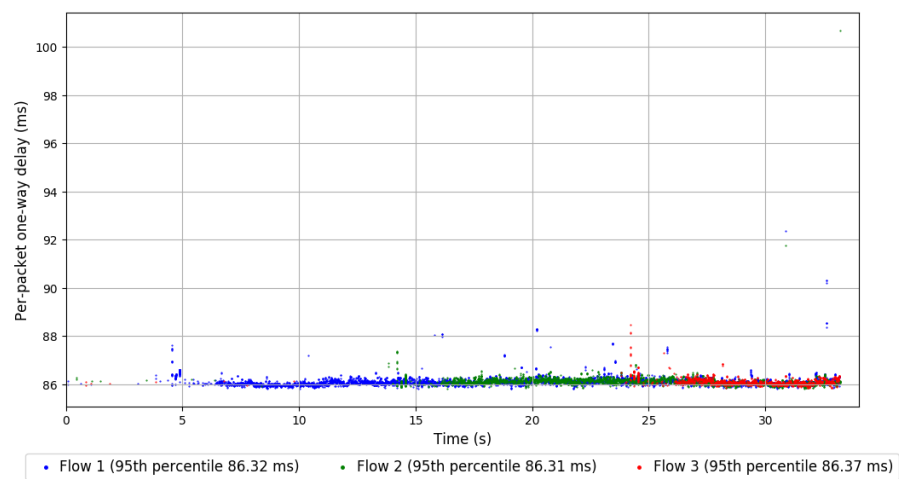
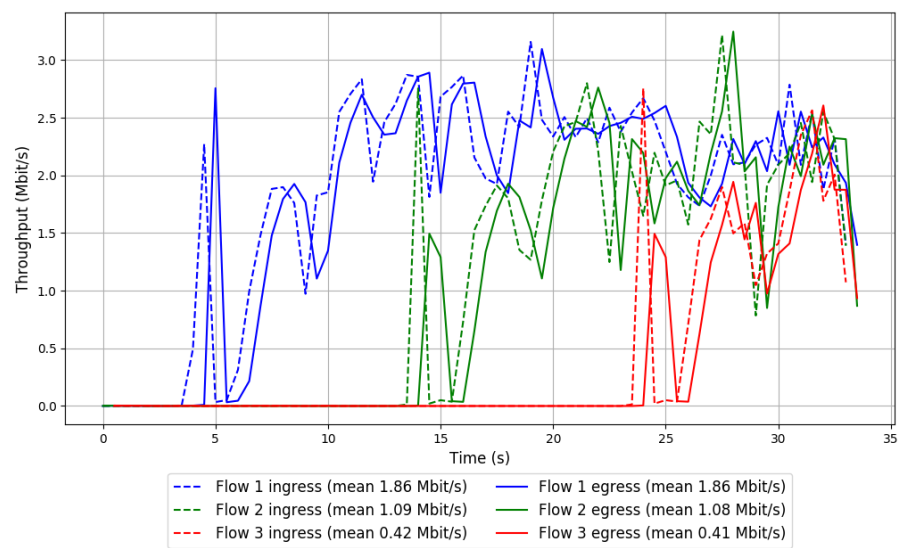


Run 2: Statistics of WebRTC media

Start at: 2018-08-10 17:02:13
End at: 2018-08-10 17:02:43
Local clock offset: -0.234 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-11 00:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 86.325 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.324 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 86.311 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.371 ms
Loss rate: 1.98%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-10 17:28:54

End at: 2018-08-10 17:29:24

Local clock offset: -0.168 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-08-11 00:32:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 86.685 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 86.601 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 86.770 ms

Loss rate: 0.68%

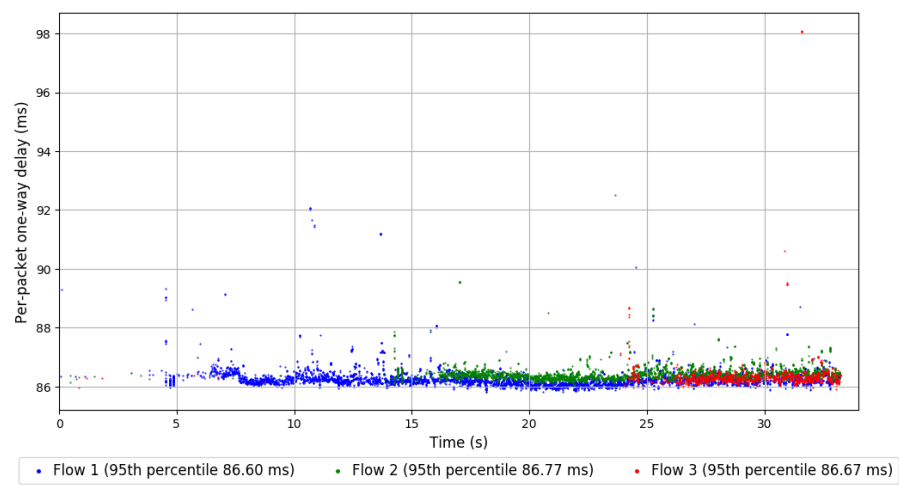
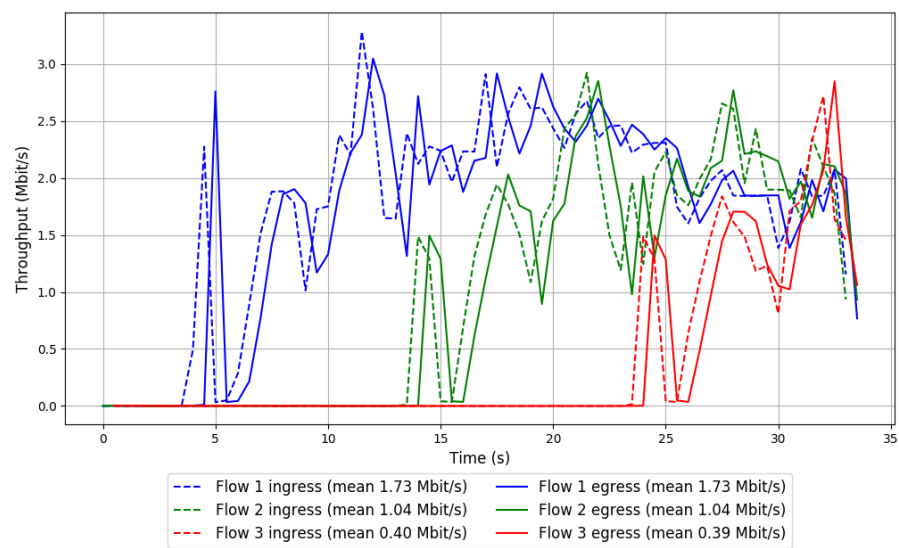
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 86.675 ms

Loss rate: 3.05%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-10 17:54:55

End at: 2018-08-10 17:55:25

Local clock offset: -0.046 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-11 00:32:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 87.187 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 87.265 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 86.989 ms

Loss rate: 1.03%

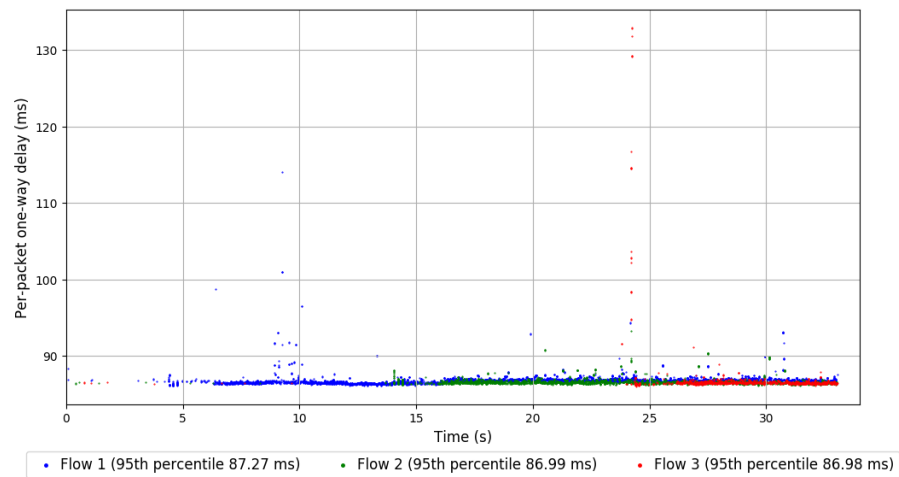
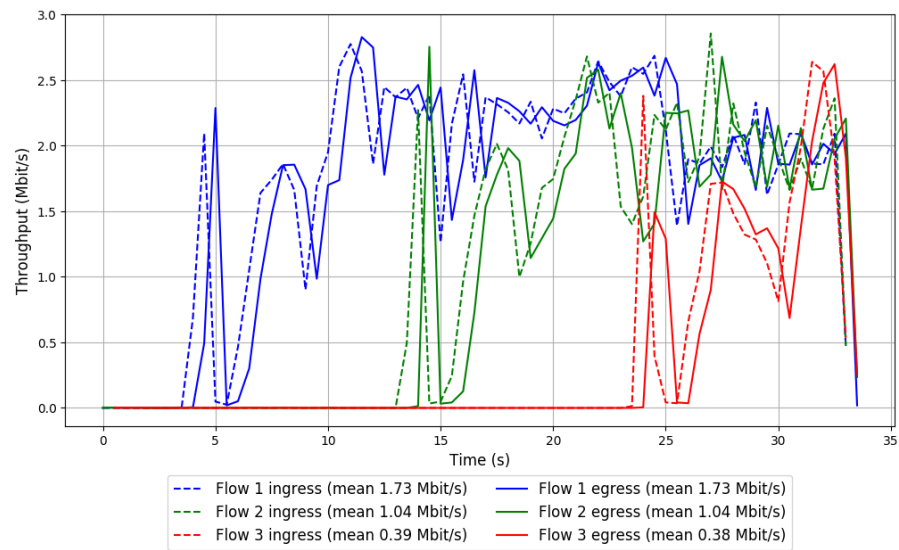
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 86.977 ms

Loss rate: 2.75%

Run 4: Report of WebRTC media — Data Link

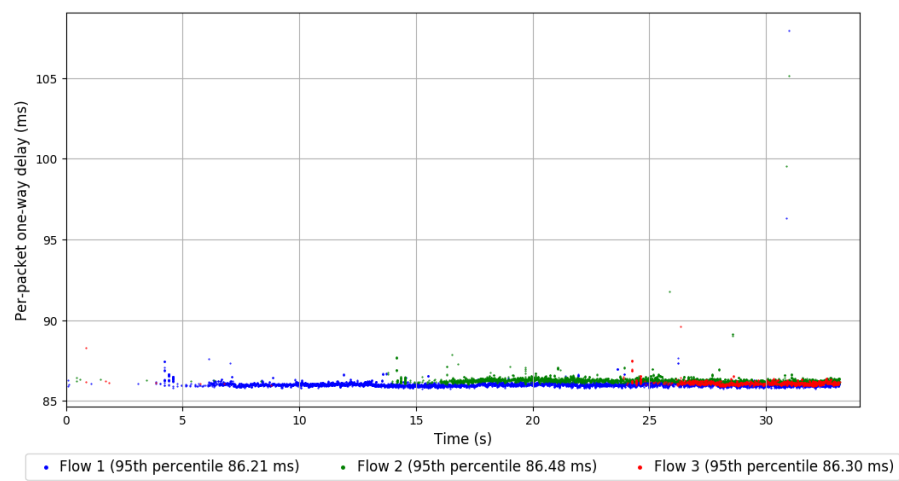
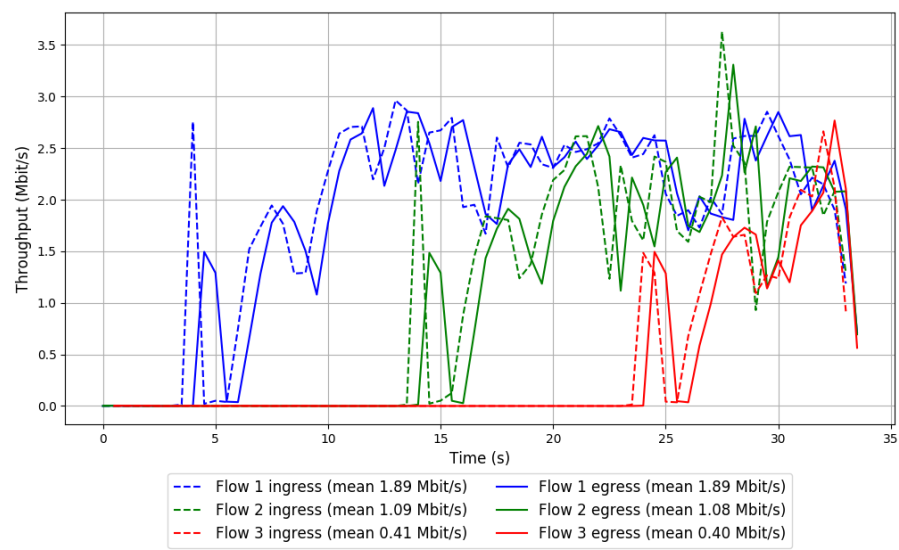


Run 5: Statistics of WebRTC media

Start at: 2018-08-10 18:21:02
End at: 2018-08-10 18:21:32
Local clock offset: 0.478 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-11 00:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 86.399 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.214 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 86.482 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.295 ms
Loss rate: 2.47%

Run 5: Report of WebRTC media — Data Link

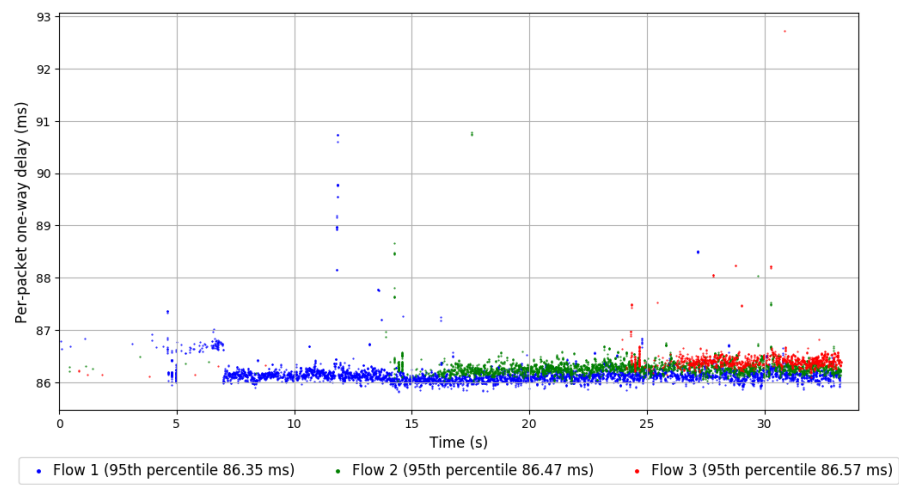
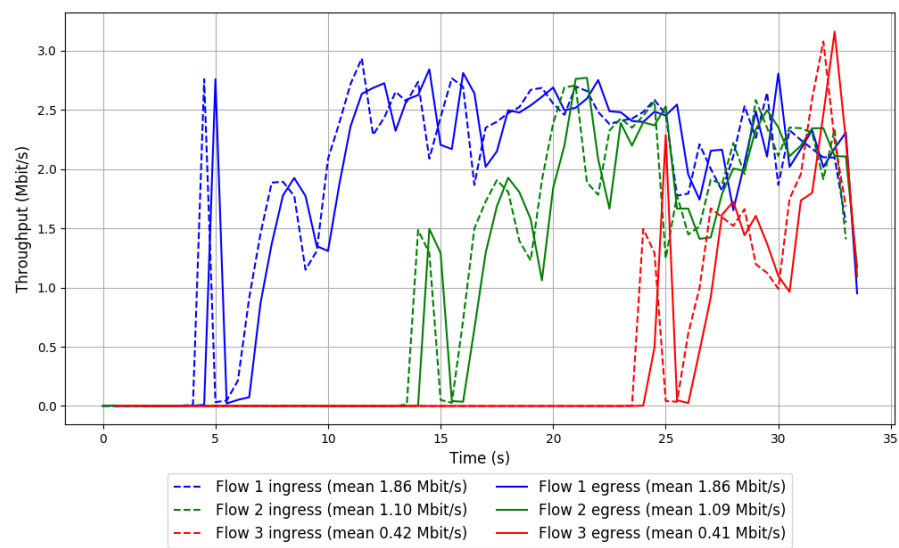


Run 6: Statistics of WebRTC media

Start at: 2018-08-10 18:47:35
End at: 2018-08-10 18:48:05
Local clock offset: 0.329 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-11 00:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 86.495 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.346 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 86.468 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.572 ms
Loss rate: 3.57%

Run 6: Report of WebRTC media — Data Link

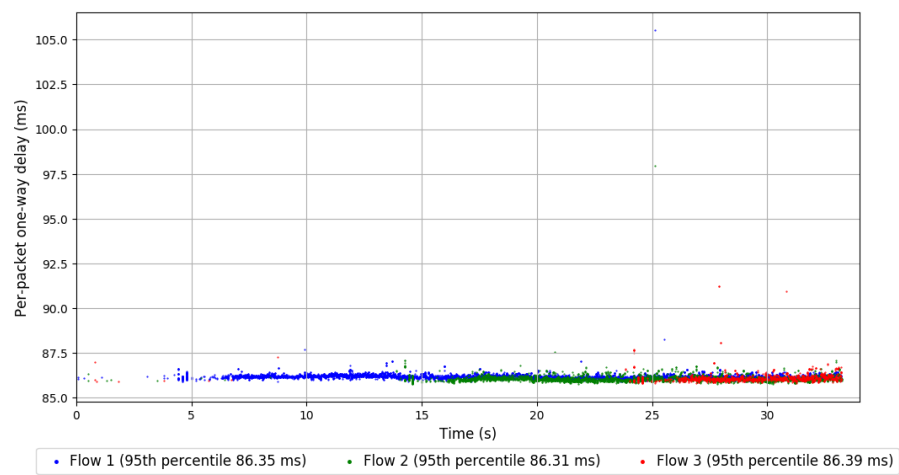
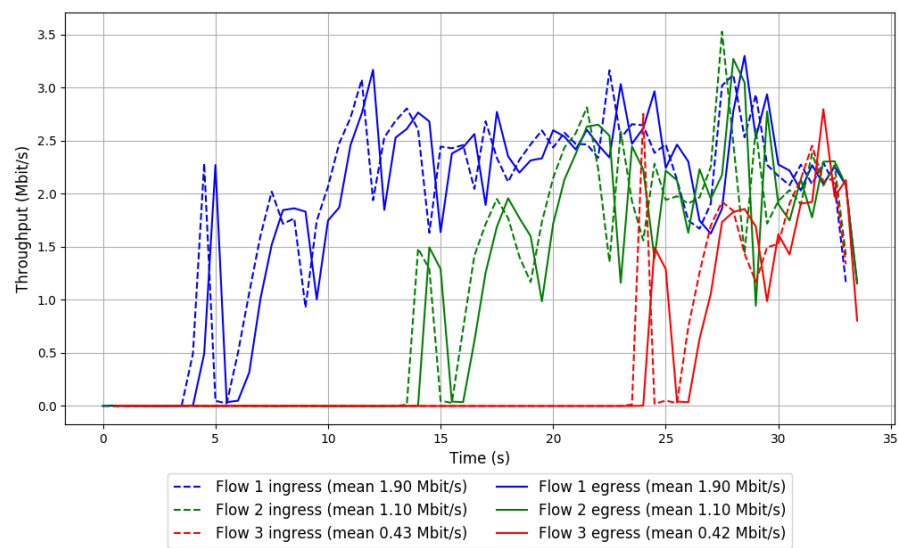


Run 7: Statistics of WebRTC media

Start at: 2018-08-10 19:14:02
End at: 2018-08-10 19:14:32
Local clock offset: 0.138 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-11 00:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 86.348 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.354 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 86.314 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.385 ms
Loss rate: 2.92%

Run 7: Report of WebRTC media — Data Link

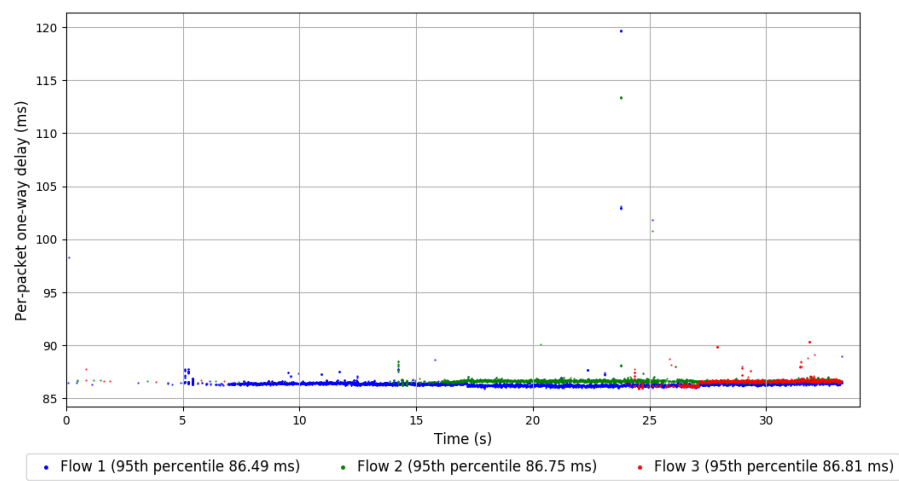
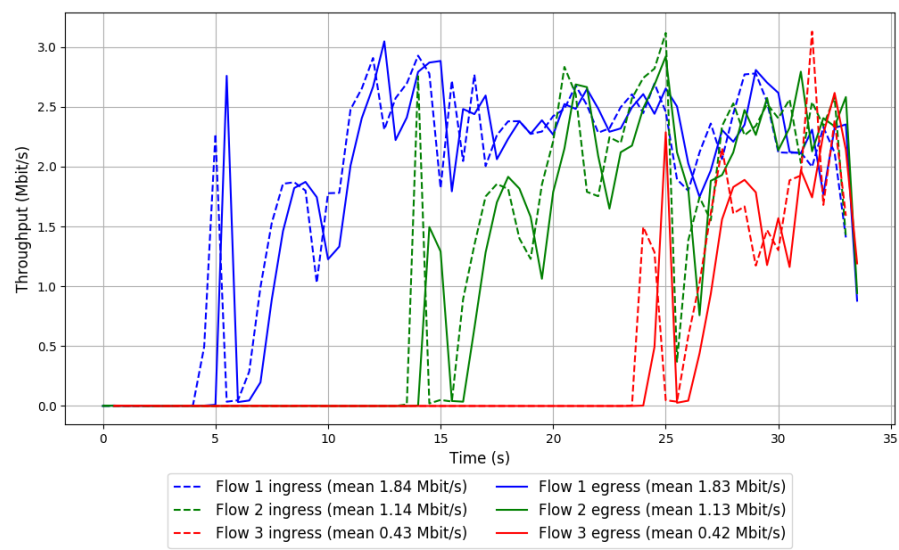


Run 8: Statistics of WebRTC media

Start at: 2018-08-10 19:40:24
End at: 2018-08-10 19:40:54
Local clock offset: 0.321 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-11 00:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 86.707 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 86.494 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 86.745 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.810 ms
Loss rate: 3.30%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

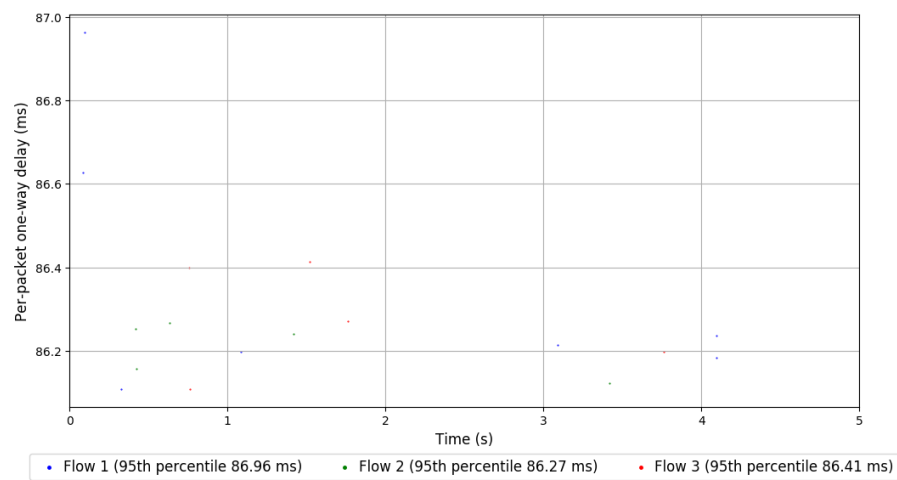
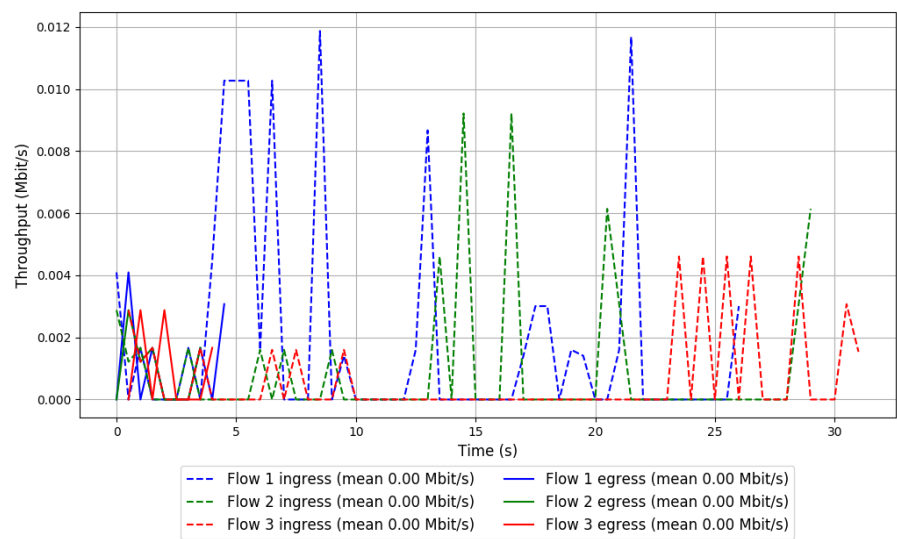
Start at: 2018-08-10 20:06:52

End at: 2018-08-10 20:07:22

Local clock offset: 0.025 ms

Remote clock offset: -0.035 ms

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-10 20:34:05
End at: 2018-08-10 20:34:35
Local clock offset: 0.231 ms
Remote clock offset: -52.404 ms

Below is generated by plot.py at 2018-08-11 00:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 86.607 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.675 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 86.028 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 85.997 ms
Loss rate: 2.40%

Run 10: Report of WebRTC media — Data Link

