

Pantheon Report

Generated at 2018-08-11 14:31:27 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

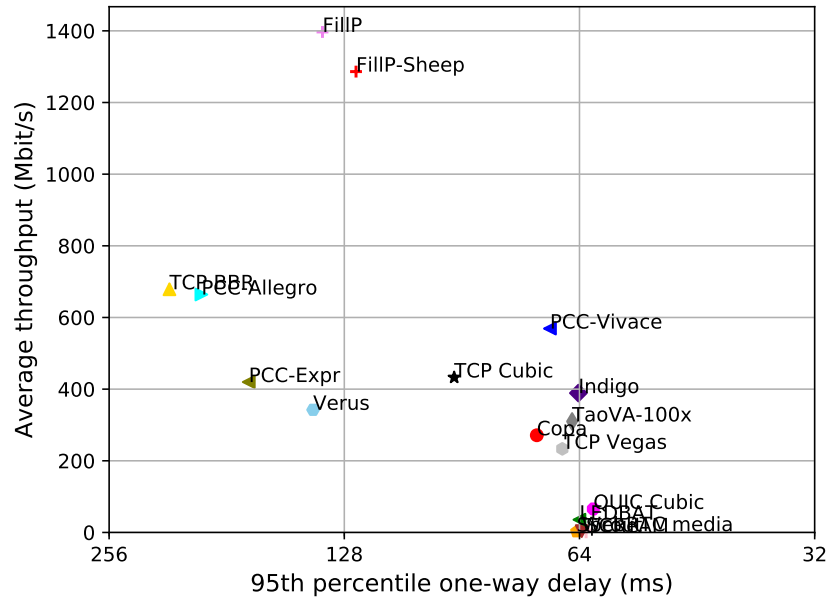
System info:

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

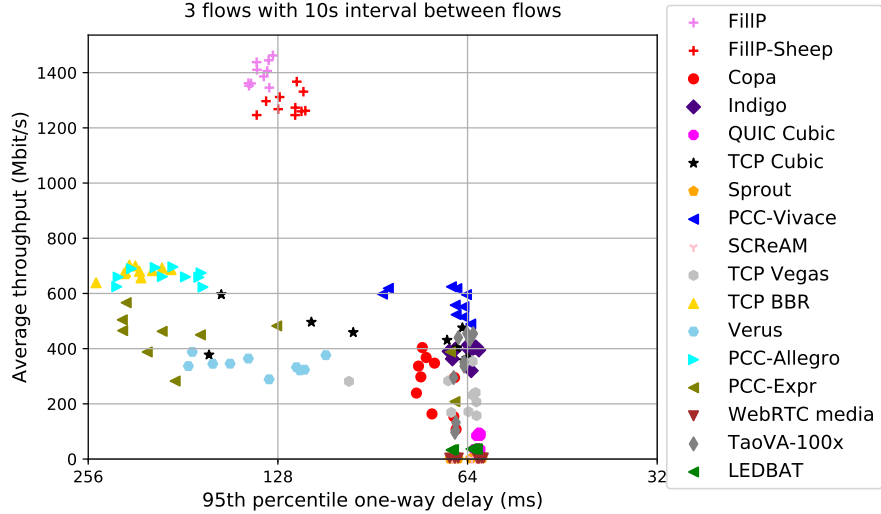
Git summary:

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

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



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



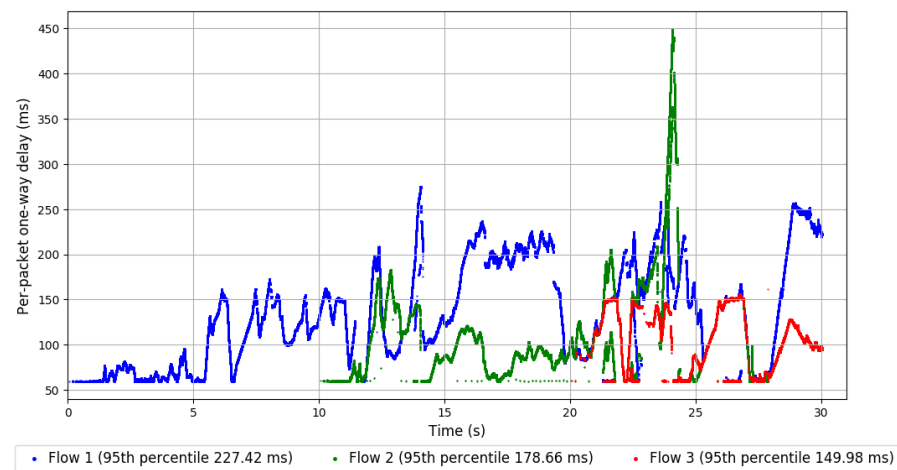
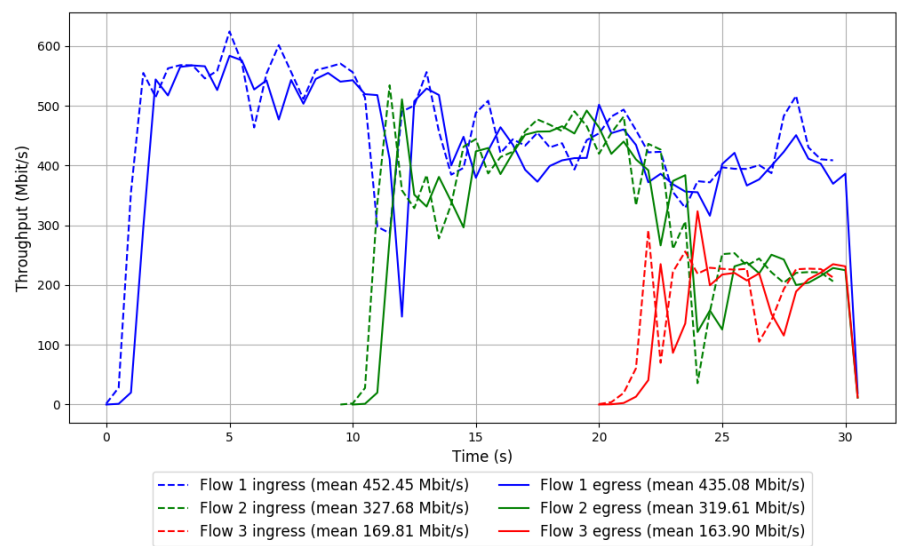
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	411.28	331.77	140.28	210.90	205.05	164.14	3.58	3.52	5.00
Copa	10	160.32	126.06	128.78	68.49	75.10	73.87	0.01	0.02	0.04
TCP Cubic	10	258.95	229.74	62.07	69.49	88.18	78.64	0.03	0.08	0.30
FillP	10	733.82	689.48	615.65	142.95	134.61	128.46	2.83	1.91	1.13
FillP-Sheep	10	692.89	629.25	526.07	128.27	112.39	102.17	0.69	0.46	0.09
Indigo	10	203.64	195.91	171.79	63.95	64.43	64.61	0.01	0.05	0.03
LEDBAT	10	23.07	15.15	7.69	64.10	63.92	63.48	0.00	0.00	0.16
PCC-Allegro	10	508.01	208.60	52.80	203.57	151.02	148.51	3.09	1.73	1.53
PCC-Expr	10	250.17	199.63	111.99	161.00	119.69	81.46	3.11	1.07	0.42
QUIC Cubic	10	30.60	36.83	32.56	62.56	61.48	61.44	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	62.19	62.12	62.72	0.00	0.00	0.03
Sprout	10	0.95	1.43	1.29	64.92	63.85	63.87	0.00	0.00	0.00
TaoVA-100x	10	157.59	173.70	185.81	65.09	65.13	67.12	0.00	0.00	0.14
TCP Vegas	10	124.69	133.80	58.78	64.15	68.73	64.09	0.00	0.11	0.07
Verus	10	201.44	155.47	122.50	144.39	129.10	114.77	1.08	0.76	0.36
PCC-Vivace	10	339.37	285.66	120.32	72.38	70.51	65.02	0.03	0.00	0.02
WebRTC media	10	1.99	1.22	0.48	63.03	62.47	62.97	0.01	0.00	0.04

Run 1: Statistics of TCP BBR

Start at: 2018-08-11 06:42:42
End at: 2018-08-11 06:43:12
Local clock offset: -0.182 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2018-08-11 11:37:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 702.58 Mbit/s
95th percentile per-packet one-way delay: 220.279 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 435.08 Mbit/s
95th percentile per-packet one-way delay: 227.418 ms
Loss rate: 3.84%
-- Flow 2:
Average throughput: 319.61 Mbit/s
95th percentile per-packet one-way delay: 178.665 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 163.90 Mbit/s
95th percentile per-packet one-way delay: 149.979 ms
Loss rate: 3.48%

Run 1: Report of TCP BBR — Data Link

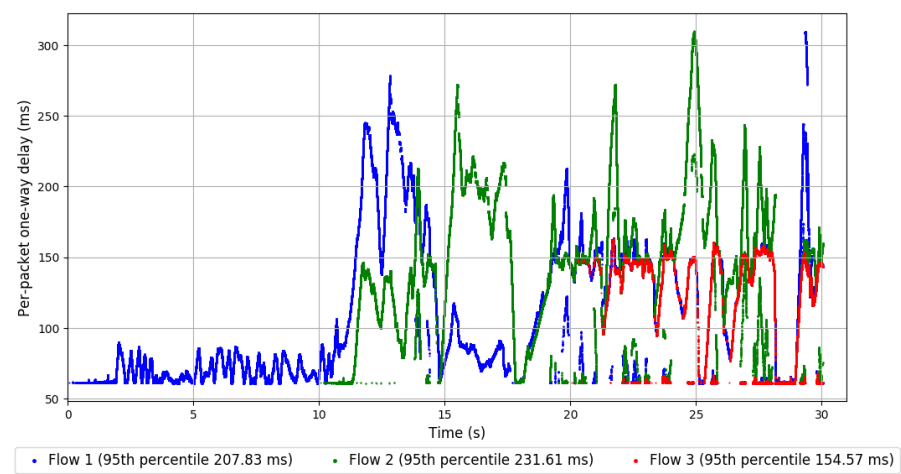
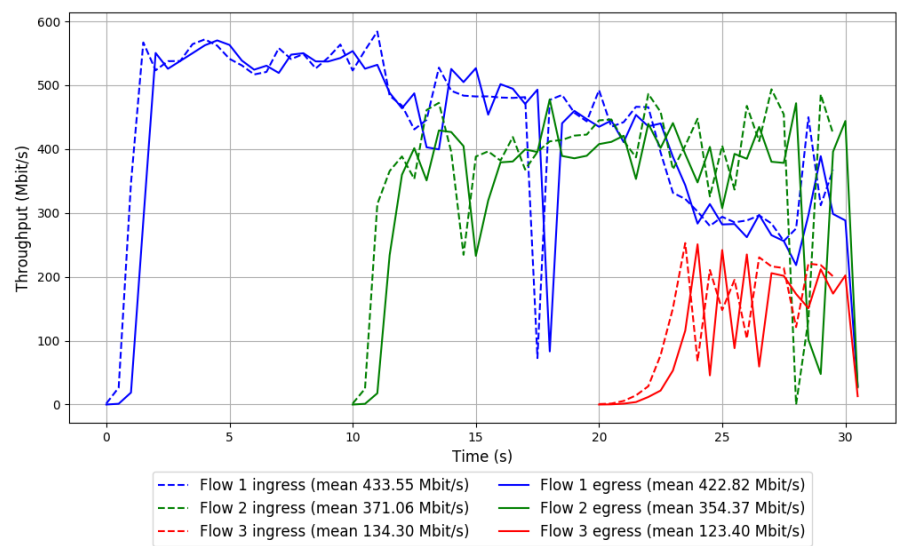


Run 2: Statistics of TCP BBR

Start at: 2018-08-11 07:09:19
End at: 2018-08-11 07:09:49
Local clock offset: -0.13 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-11 11:37:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 699.92 Mbit/s
95th percentile per-packet one-way delay: 215.525 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 422.82 Mbit/s
95th percentile per-packet one-way delay: 207.827 ms
Loss rate: 2.47%
-- Flow 2:
Average throughput: 354.37 Mbit/s
95th percentile per-packet one-way delay: 231.609 ms
Loss rate: 4.50%
-- Flow 3:
Average throughput: 123.40 Mbit/s
95th percentile per-packet one-way delay: 154.568 ms
Loss rate: 8.11%

Run 2: Report of TCP BBR — Data Link

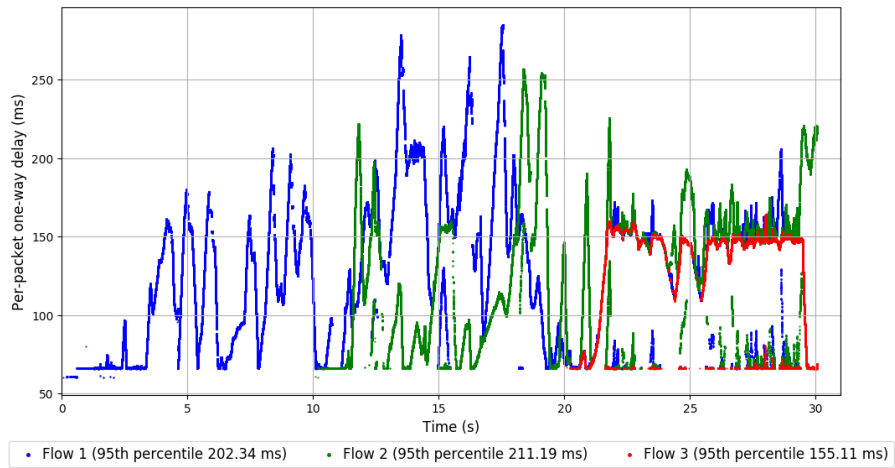
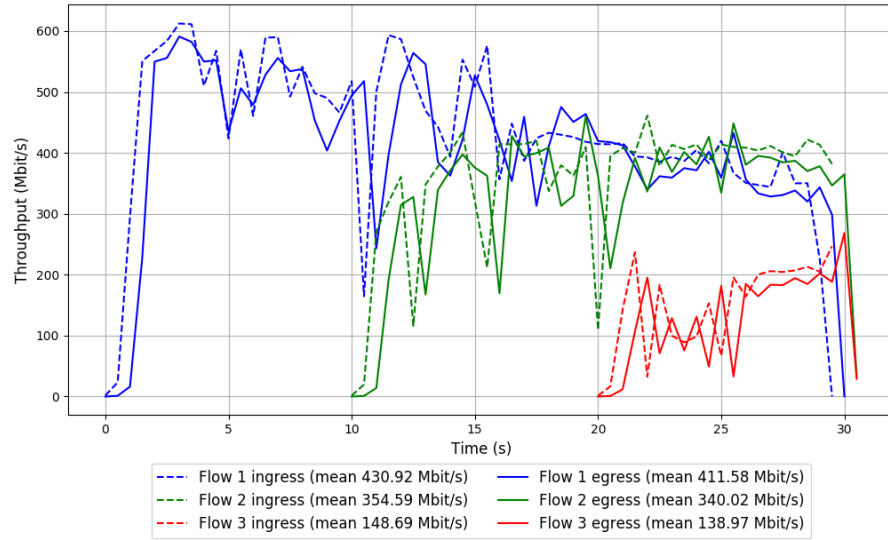


Run 3: Statistics of TCP BBR

Start at: 2018-08-11 07:35:13
End at: 2018-08-11 07:35:43
Local clock offset: 0.011 ms
Remote clock offset: -0.678 ms

Below is generated by plot.py at 2018-08-11 11:37:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 682.63 Mbit/s
95th percentile per-packet one-way delay: 202.384 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 411.58 Mbit/s
95th percentile per-packet one-way delay: 202.342 ms
Loss rate: 4.47%
-- Flow 2:
Average throughput: 340.02 Mbit/s
95th percentile per-packet one-way delay: 211.190 ms
Loss rate: 4.10%
-- Flow 3:
Average throughput: 138.97 Mbit/s
95th percentile per-packet one-way delay: 155.106 ms
Loss rate: 6.59%

Run 3: Report of TCP BBR — Data Link

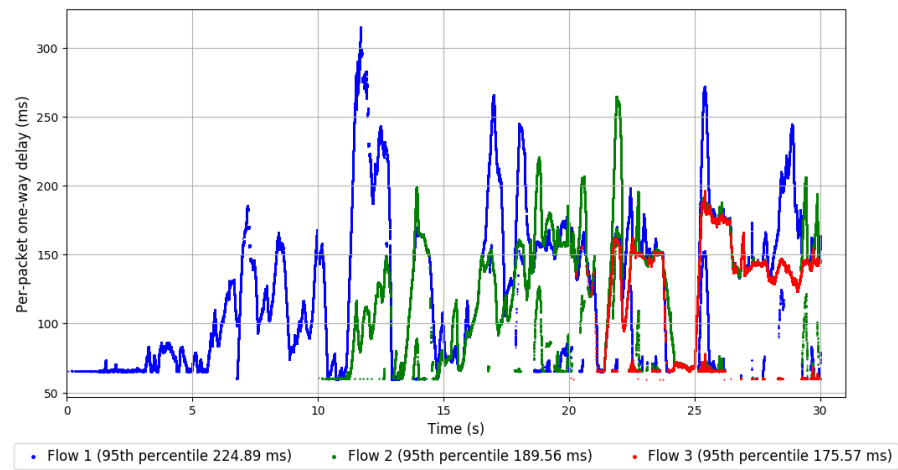
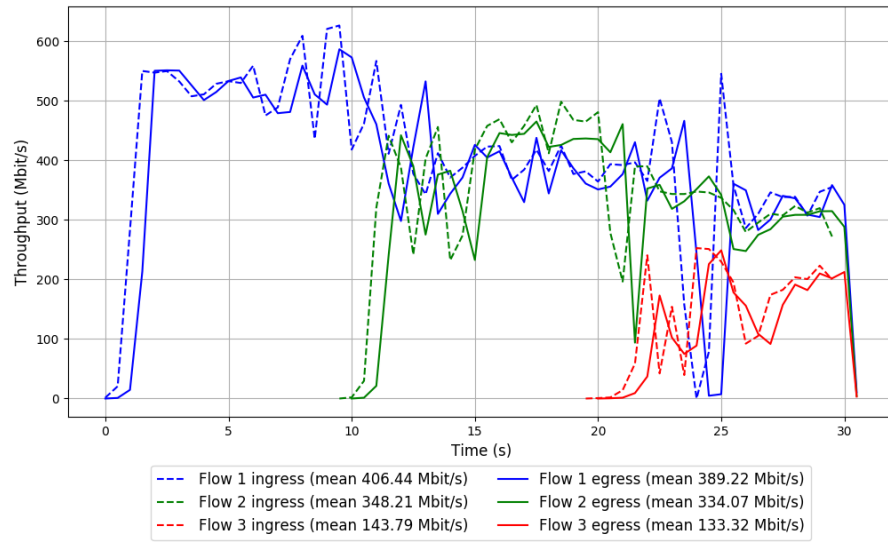


Run 4: Statistics of TCP BBR

Start at: 2018-08-11 08:00:57
End at: 2018-08-11 08:01:27
Local clock offset: -0.066 ms
Remote clock offset: -1.388 ms

Below is generated by plot.py at 2018-08-11 11:37:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 656.37 Mbit/s
95th percentile per-packet one-way delay: 211.072 ms
Loss rate: 4.37%
-- Flow 1:
Average throughput: 389.22 Mbit/s
95th percentile per-packet one-way delay: 224.890 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 334.07 Mbit/s
95th percentile per-packet one-way delay: 189.555 ms
Loss rate: 4.03%
-- Flow 3:
Average throughput: 133.32 Mbit/s
95th percentile per-packet one-way delay: 175.570 ms
Loss rate: 7.23%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-11 08:26:37

End at: 2018-08-11 08:27:07

Local clock offset: -0.021 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-08-11 11:37:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 638.93 Mbit/s

95th percentile per-packet one-way delay: 248.713 ms

Loss rate: 4.04%

-- Flow 1:

Average throughput: 378.11 Mbit/s

95th percentile per-packet one-way delay: 249.737 ms

Loss rate: 4.39%

-- Flow 2:

Average throughput: 326.17 Mbit/s

95th percentile per-packet one-way delay: 251.281 ms

Loss rate: 3.58%

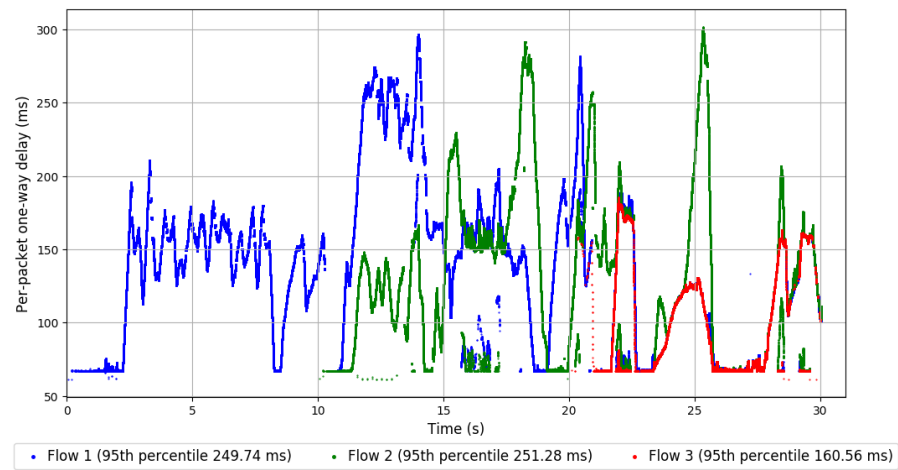
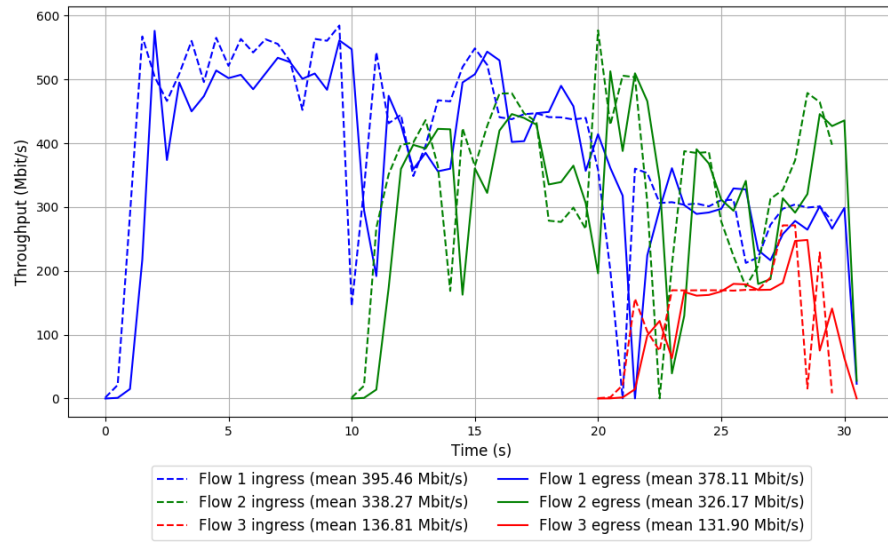
-- Flow 3:

Average throughput: 131.90 Mbit/s

95th percentile per-packet one-way delay: 160.565 ms

Loss rate: 3.26%

Run 5: Report of TCP BBR — Data Link

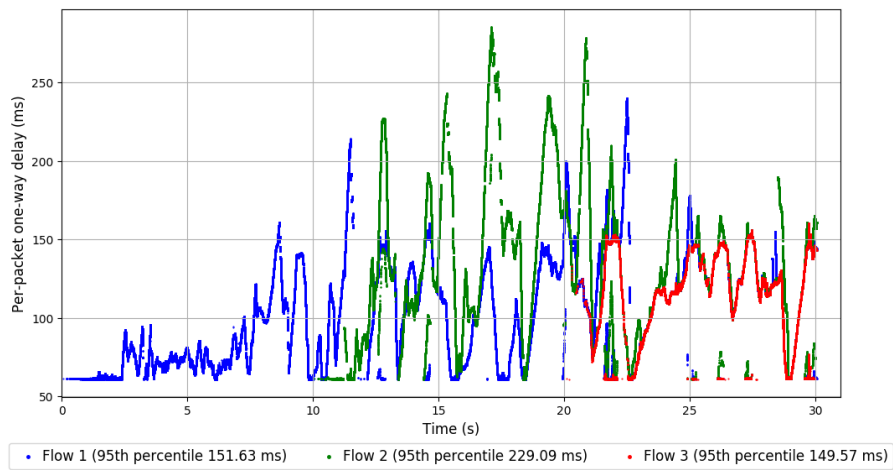
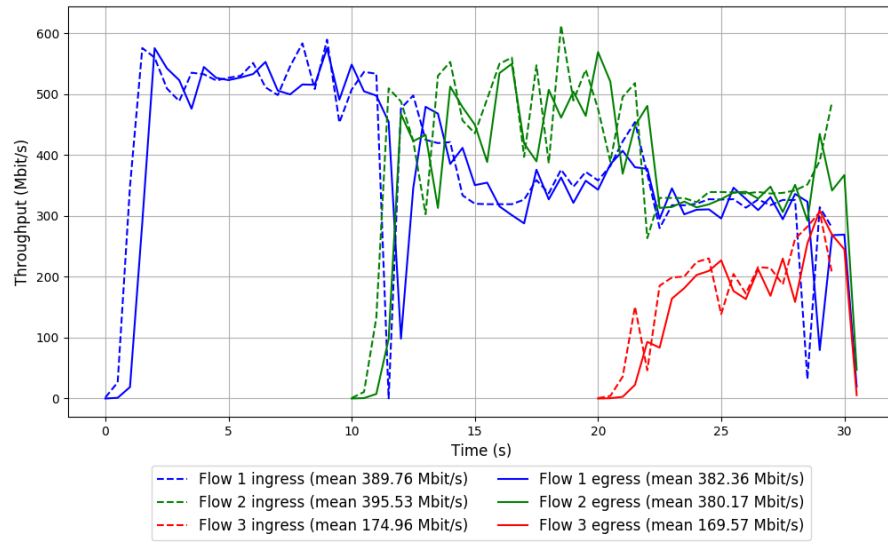


Run 6: Statistics of TCP BBR

Start at: 2018-08-11 08:52:07
End at: 2018-08-11 08:52:37
Local clock offset: -0.064 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-11 11:37:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 691.96 Mbit/s
95th percentile per-packet one-way delay: 195.460 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 382.36 Mbit/s
95th percentile per-packet one-way delay: 151.626 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 380.17 Mbit/s
95th percentile per-packet one-way delay: 229.089 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 169.57 Mbit/s
95th percentile per-packet one-way delay: 149.573 ms
Loss rate: 2.50%

Run 6: Report of TCP BBR — Data Link

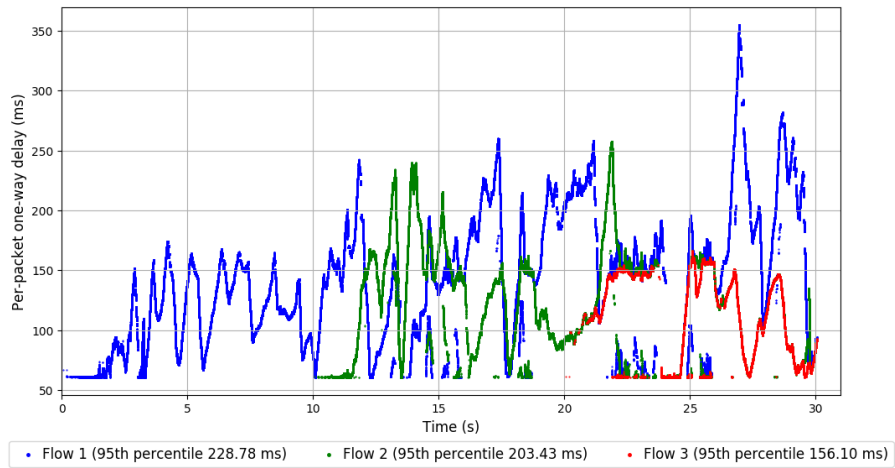
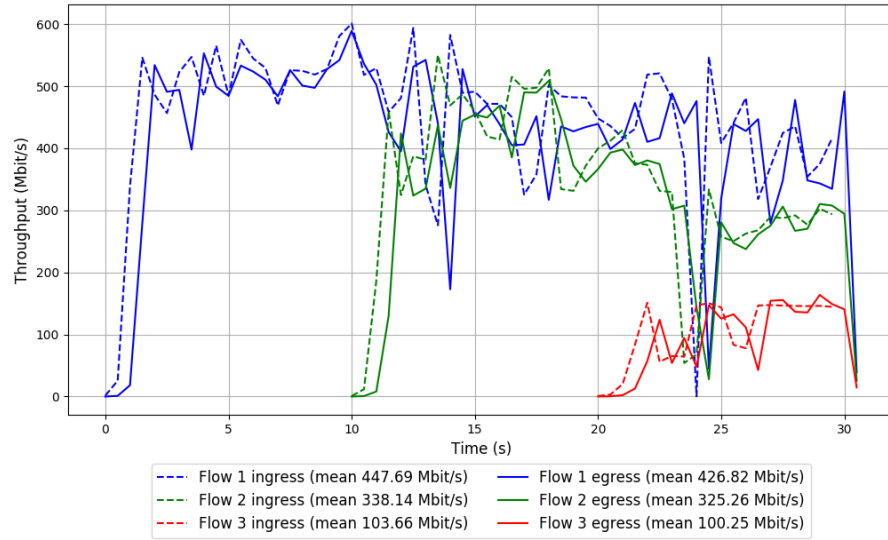


Run 7: Statistics of TCP BBR

Start at: 2018-08-11 09:18:23
End at: 2018-08-11 09:18:53
Local clock offset: -0.074 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-08-11 11:37:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 677.00 Mbit/s
95th percentile per-packet one-way delay: 223.414 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 426.82 Mbit/s
95th percentile per-packet one-way delay: 228.777 ms
Loss rate: 4.68%
-- Flow 2:
Average throughput: 325.26 Mbit/s
95th percentile per-packet one-way delay: 203.433 ms
Loss rate: 3.81%
-- Flow 3:
Average throughput: 100.25 Mbit/s
95th percentile per-packet one-way delay: 156.105 ms
Loss rate: 3.30%

Run 7: Report of TCP BBR — Data Link

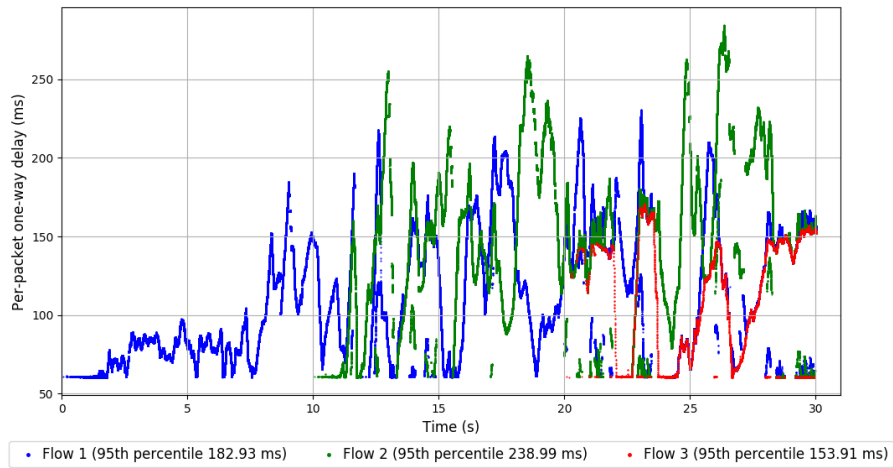
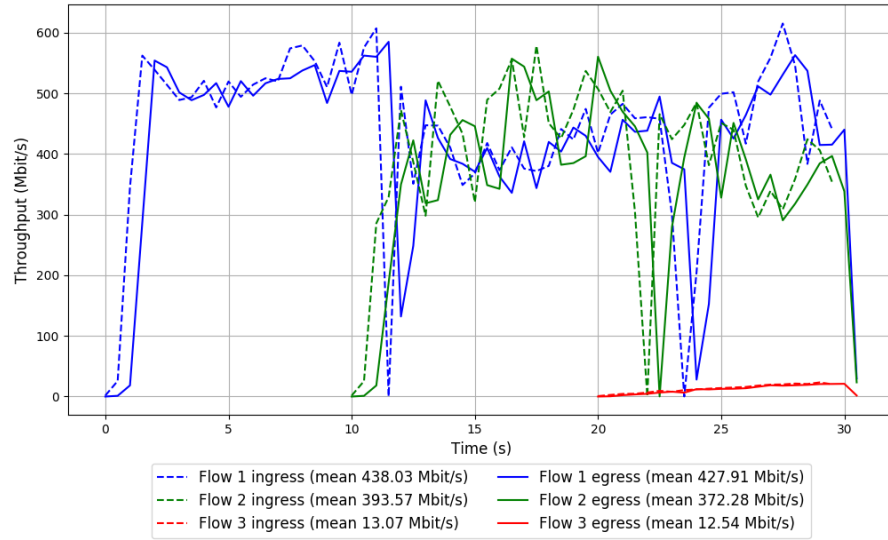


Run 8: Statistics of TCP BBR

Start at: 2018-08-11 09:45:09
End at: 2018-08-11 09:45:39
Local clock offset: 0.038 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-08-11 11:37:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 680.04 Mbit/s
95th percentile per-packet one-way delay: 212.251 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 427.91 Mbit/s
95th percentile per-packet one-way delay: 182.932 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 372.28 Mbit/s
95th percentile per-packet one-way delay: 238.986 ms
Loss rate: 5.40%
-- Flow 3:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 153.911 ms
Loss rate: 4.05%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-11 10:12:07

End at: 2018-08-11 10:12:37

Local clock offset: 0.001 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-08-11 11:47:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 671.66 Mbit/s

95th percentile per-packet one-way delay: 224.671 ms

Loss rate: 4.20%

-- Flow 1:

Average throughput: 439.74 Mbit/s

95th percentile per-packet one-way delay: 233.561 ms

Loss rate: 5.45%

-- Flow 2:

Average throughput: 279.67 Mbit/s

95th percentile per-packet one-way delay: 164.154 ms

Loss rate: 1.21%

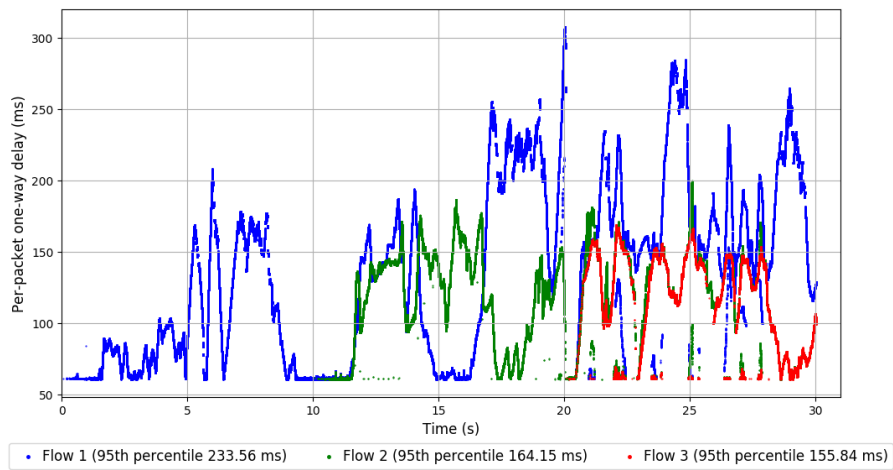
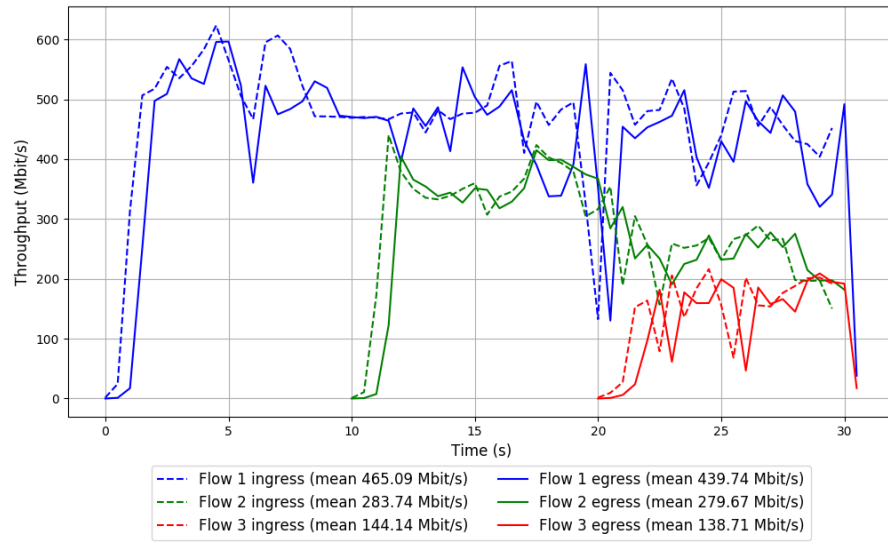
-- Flow 3:

Average throughput: 138.71 Mbit/s

95th percentile per-packet one-way delay: 155.845 ms

Loss rate: 3.76%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-11 10:38:55

End at: 2018-08-11 10:39:25

Local clock offset: -0.118 ms

Remote clock offset: 1.402 ms

Below is generated by plot.py at 2018-08-11 11:47:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 686.35 Mbit/s

95th percentile per-packet one-way delay: 189.123 ms

Loss rate: 2.92%

-- Flow 1:

Average throughput: 399.21 Mbit/s

95th percentile per-packet one-way delay: 199.897 ms

Loss rate: 2.03%

-- Flow 2:

Average throughput: 286.07 Mbit/s

95th percentile per-packet one-way delay: 152.580 ms

Loss rate: 2.21%

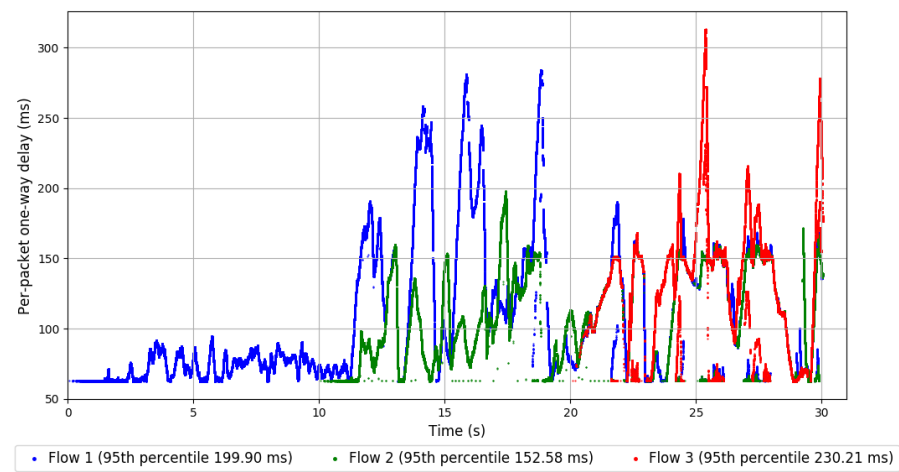
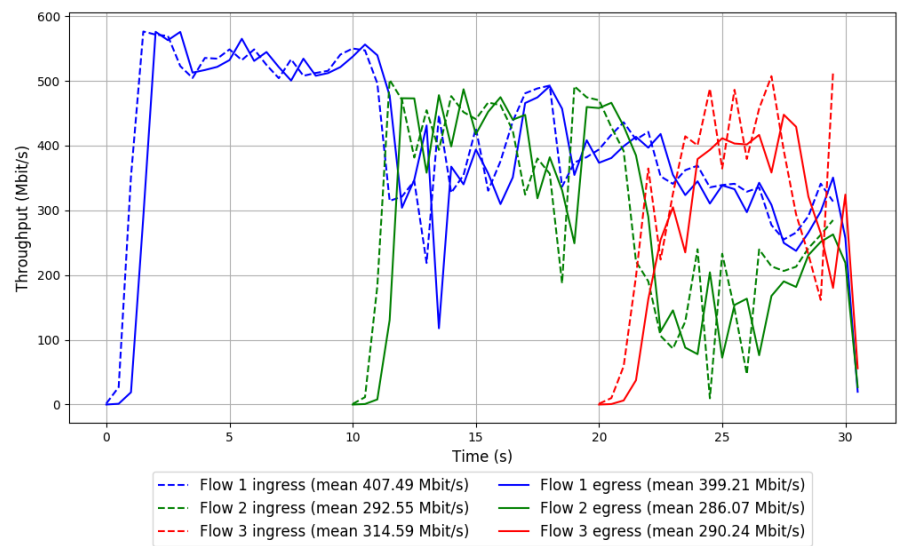
-- Flow 3:

Average throughput: 290.24 Mbit/s

95th percentile per-packet one-way delay: 230.205 ms

Loss rate: 7.72%

Run 10: Report of TCP BBR — Data Link

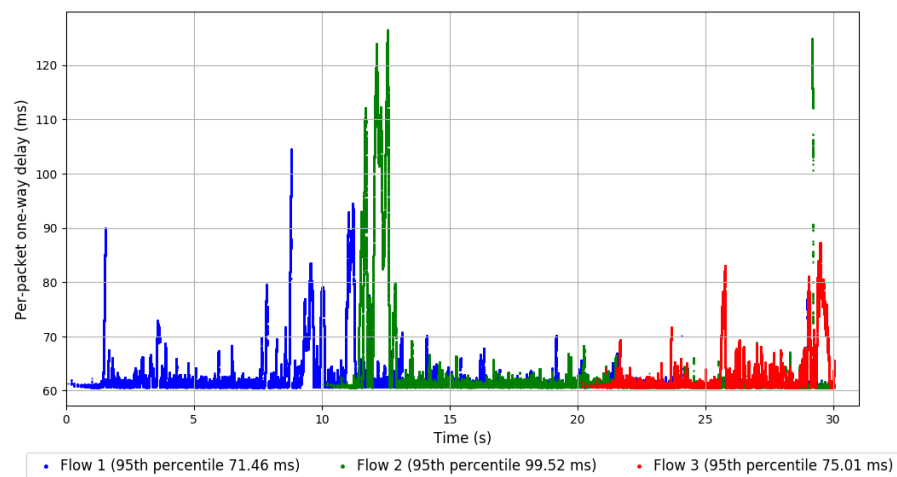
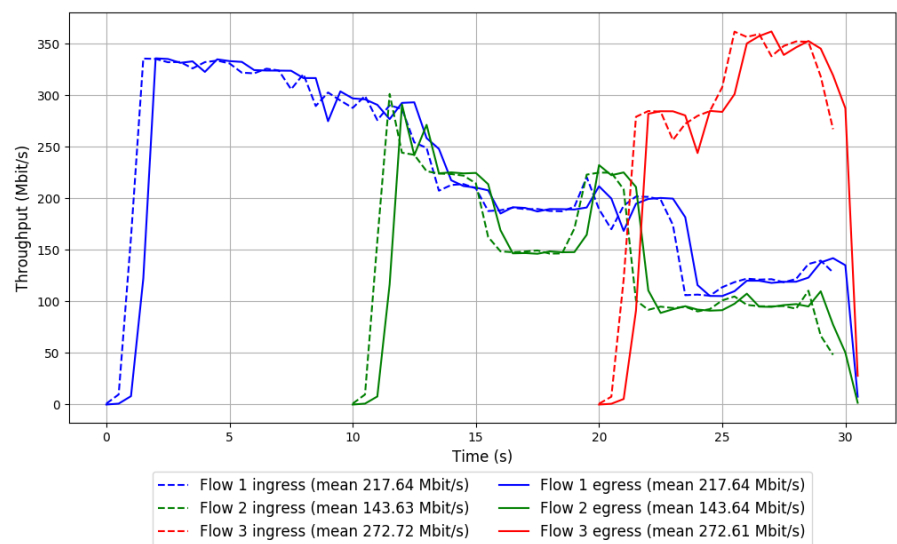


Run 1: Statistics of Copa

Start at: 2018-08-11 06:51:34
End at: 2018-08-11 06:52:04
Local clock offset: -0.124 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-11 11:49:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.89 Mbit/s
95th percentile per-packet one-way delay: 75.496 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.64 Mbit/s
95th percentile per-packet one-way delay: 71.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 143.64 Mbit/s
95th percentile per-packet one-way delay: 99.515 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 272.61 Mbit/s
95th percentile per-packet one-way delay: 75.008 ms
Loss rate: 0.04%

Run 1: Report of Copa — Data Link

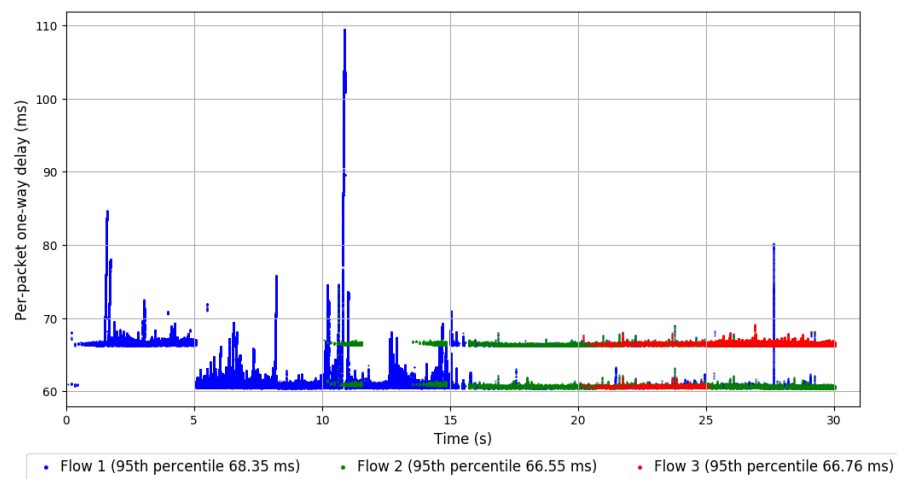
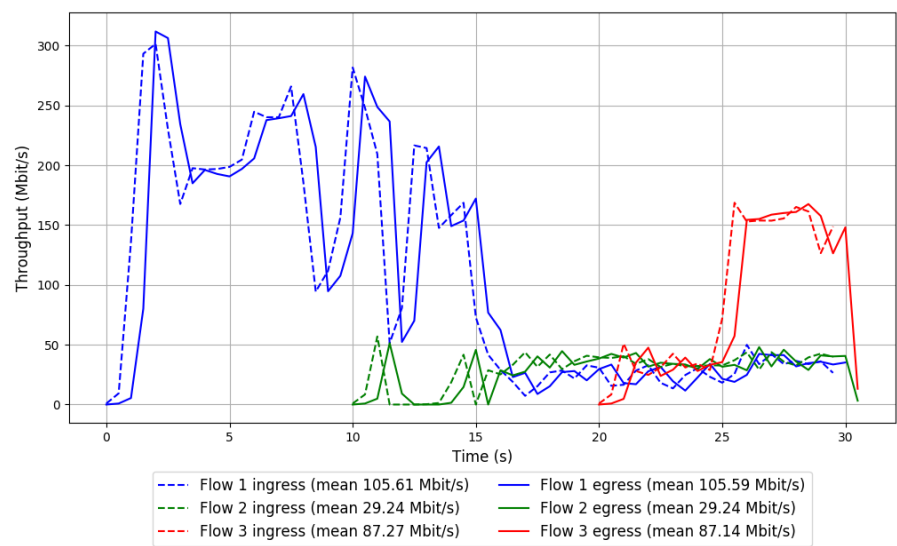


Run 2: Statistics of Copa

Start at: 2018-08-11 07:17:38
End at: 2018-08-11 07:18:08
Local clock offset: -0.104 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-08-11 11:49:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 153.69 Mbit/s
95th percentile per-packet one-way delay: 67.285 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 105.59 Mbit/s
95th percentile per-packet one-way delay: 68.350 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 66.551 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 66.764 ms
Loss rate: 0.14%

Run 2: Report of Copa — Data Link

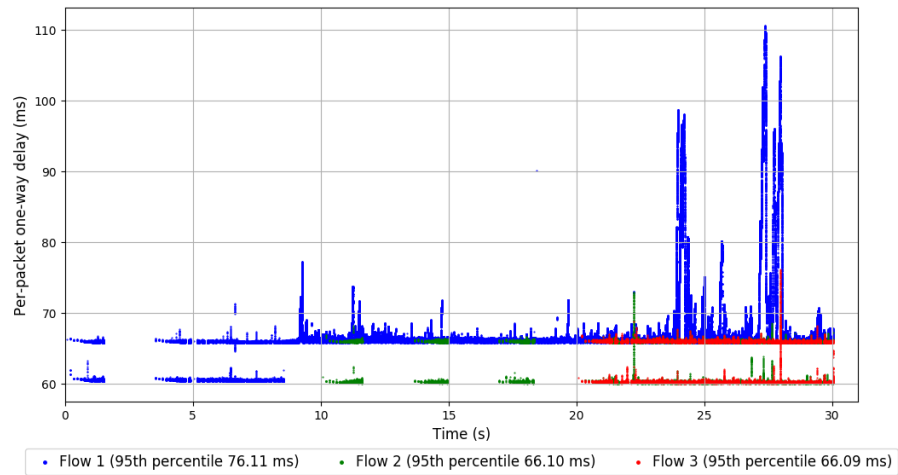
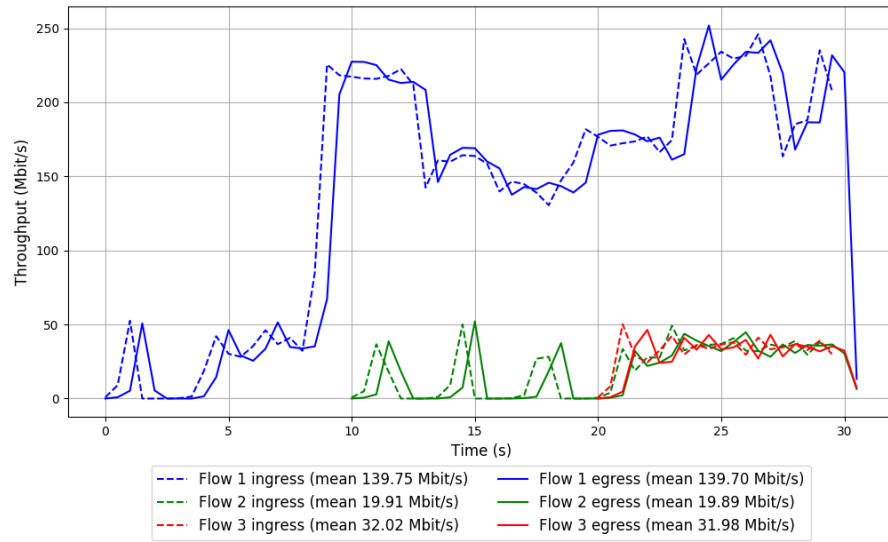


Run 3: Statistics of Copa

Start at: 2018-08-11 07:43:45
End at: 2018-08-11 07:44:15
Local clock offset: -0.033 ms
Remote clock offset: -0.755 ms

Below is generated by plot.py at 2018-08-11 11:49:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 163.57 Mbit/s
95th percentile per-packet one-way delay: 72.883 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 139.70 Mbit/s
95th percentile per-packet one-way delay: 76.107 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 66.100 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 66.094 ms
Loss rate: 0.13%

Run 3: Report of Copa — Data Link

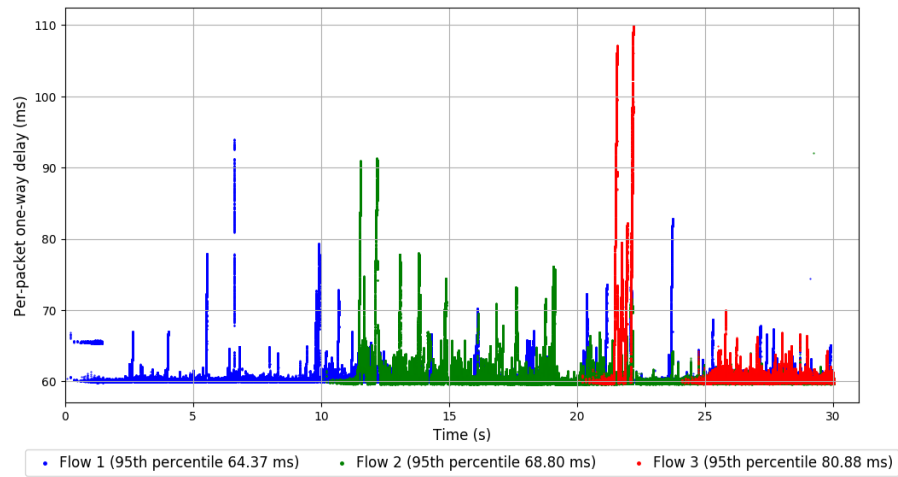
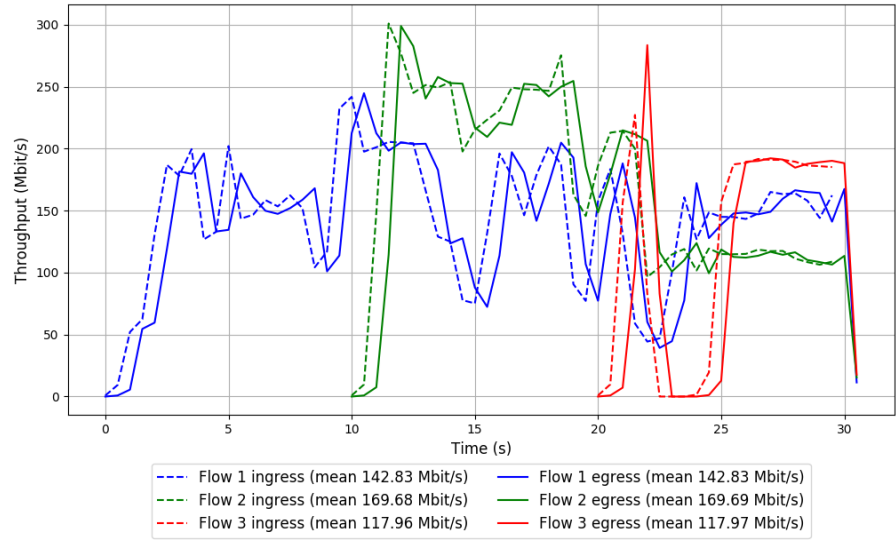


Run 4: Statistics of Copa

Start at: 2018-08-11 08:09:12
End at: 2018-08-11 08:09:42
Local clock offset: -0.085 ms
Remote clock offset: -1.305 ms

Below is generated by plot.py at 2018-08-11 11:49:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.06 Mbit/s
95th percentile per-packet one-way delay: 67.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 142.83 Mbit/s
95th percentile per-packet one-way delay: 64.368 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.69 Mbit/s
95th percentile per-packet one-way delay: 68.798 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.97 Mbit/s
95th percentile per-packet one-way delay: 80.877 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-11 08:34:50

End at: 2018-08-11 08:35:20

Local clock offset: -0.13 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-11 11:49:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.59 Mbit/s

95th percentile per-packet one-way delay: 66.738 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 65.34 Mbit/s

95th percentile per-packet one-way delay: 66.707 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.25 Mbit/s

95th percentile per-packet one-way delay: 66.764 ms

Loss rate: 0.04%

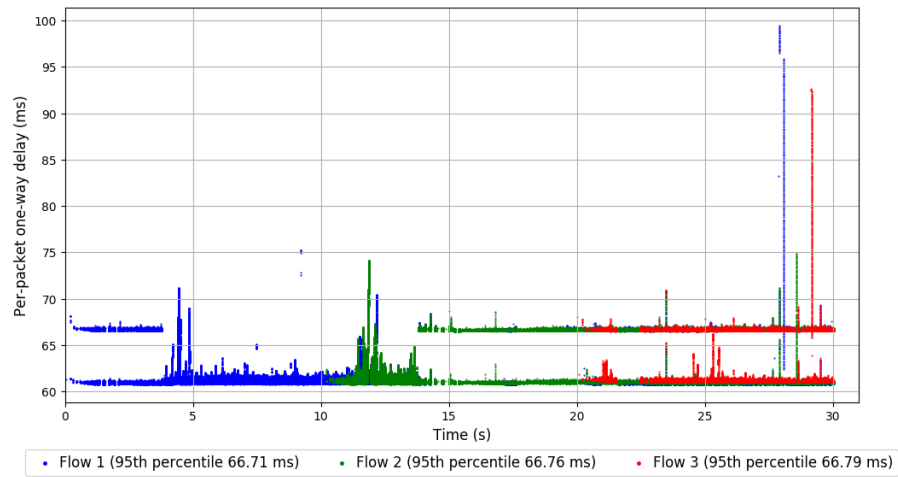
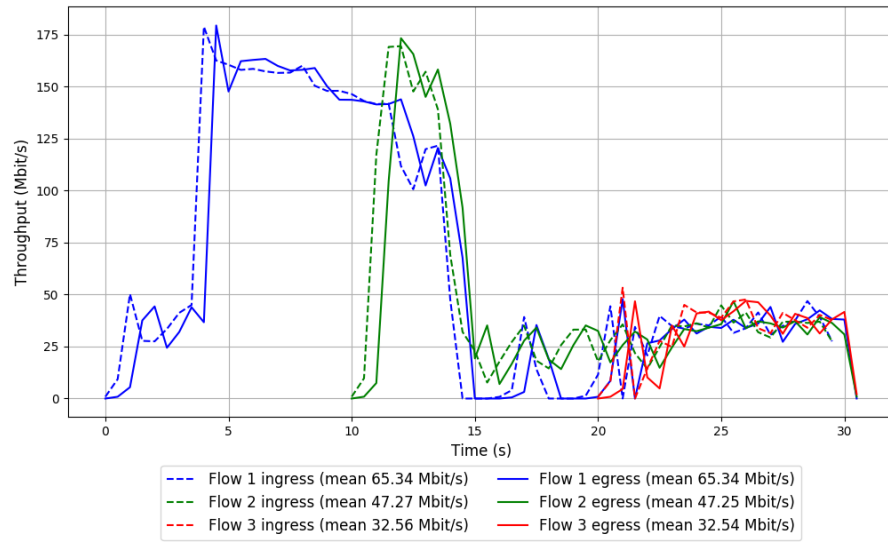
-- Flow 3:

Average throughput: 32.54 Mbit/s

95th percentile per-packet one-way delay: 66.786 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

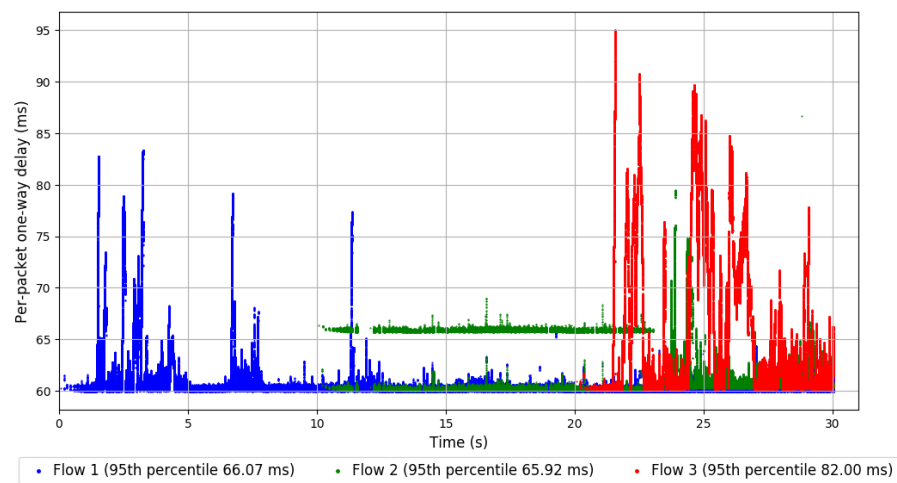
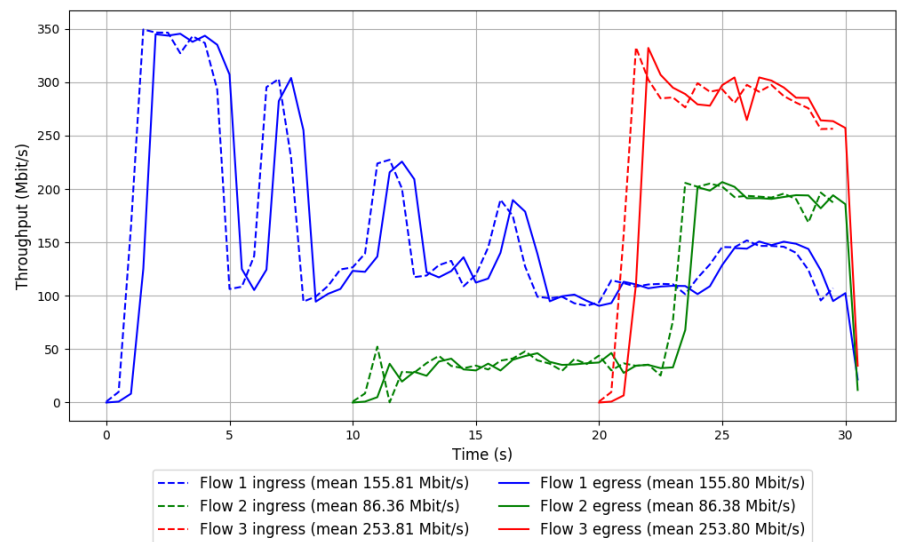


Run 6: Statistics of Copa

Start at: 2018-08-11 09:00:40
End at: 2018-08-11 09:01:10
Local clock offset: -0.055 ms
Remote clock offset: -0.954 ms

Below is generated by plot.py at 2018-08-11 11:49:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.62 Mbit/s
95th percentile per-packet one-way delay: 75.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.80 Mbit/s
95th percentile per-packet one-way delay: 66.073 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 65.920 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 253.80 Mbit/s
95th percentile per-packet one-way delay: 81.997 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

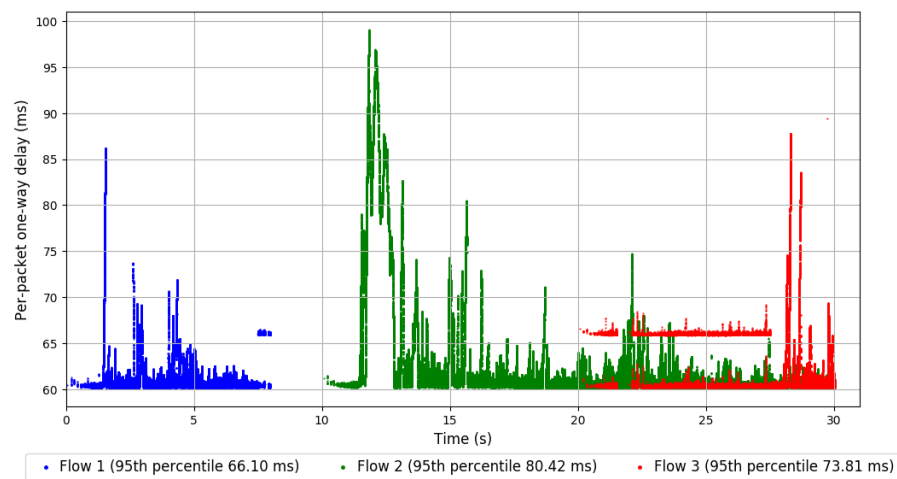
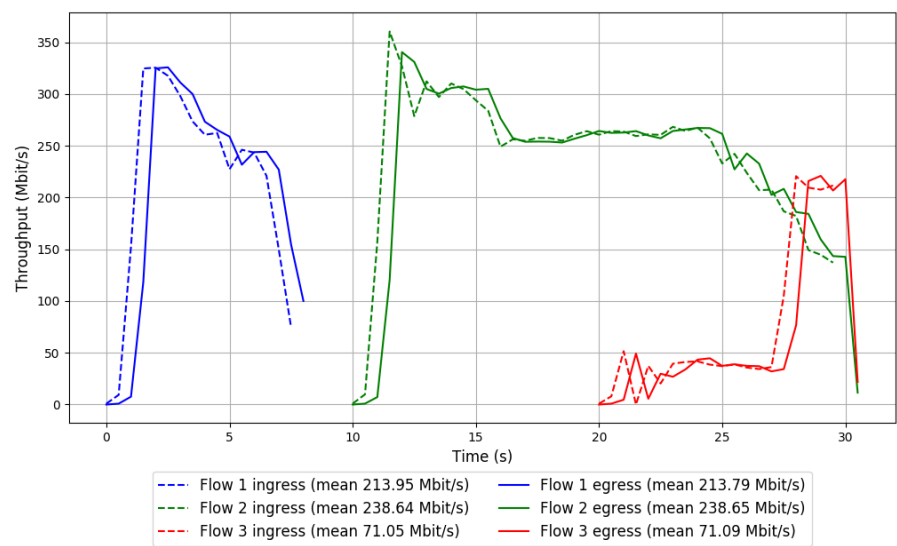


Run 7: Statistics of Copa

Start at: 2018-08-11 09:27:16
End at: 2018-08-11 09:27:46
Local clock offset: -0.07 ms
Remote clock offset: -0.813 ms

Below is generated by plot.py at 2018-08-11 11:49:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.04 Mbit/s
95th percentile per-packet one-way delay: 77.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.79 Mbit/s
95th percentile per-packet one-way delay: 66.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 238.65 Mbit/s
95th percentile per-packet one-way delay: 80.420 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.09 Mbit/s
95th percentile per-packet one-way delay: 73.810 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-11 09:54:00

End at: 2018-08-11 09:54:30

Local clock offset: 0.014 ms

Remote clock offset: 0.692 ms

Below is generated by plot.py at 2018-08-11 11:51:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.80 Mbit/s

95th percentile per-packet one-way delay: 76.559 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 171.66 Mbit/s

95th percentile per-packet one-way delay: 69.058 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 203.57 Mbit/s

95th percentile per-packet one-way delay: 82.580 ms

Loss rate: 0.00%

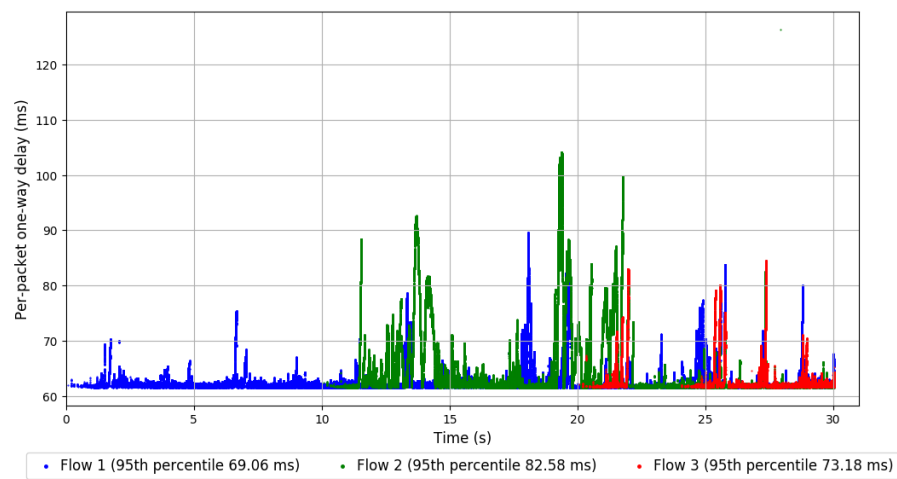
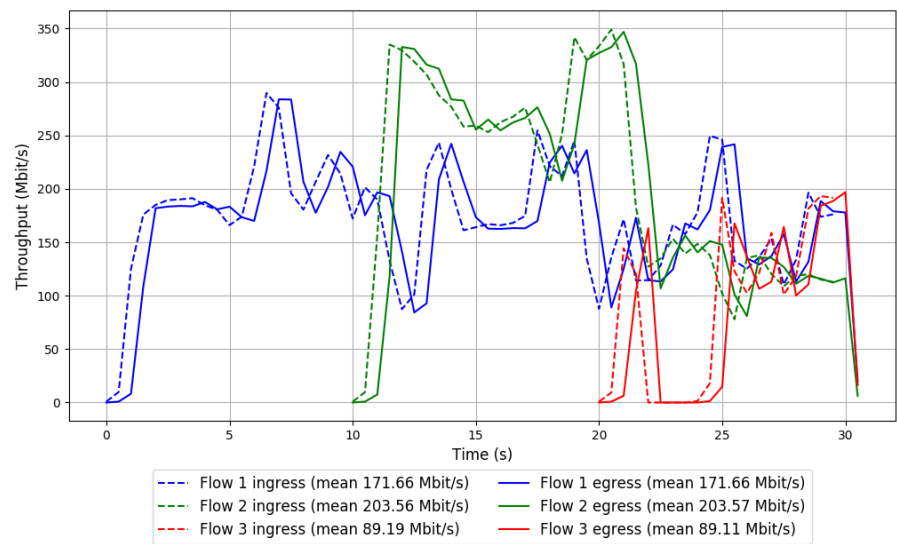
-- Flow 3:

Average throughput: 89.11 Mbit/s

95th percentile per-packet one-way delay: 73.184 ms

Loss rate: 0.08%

Run 8: Report of Copa — Data Link

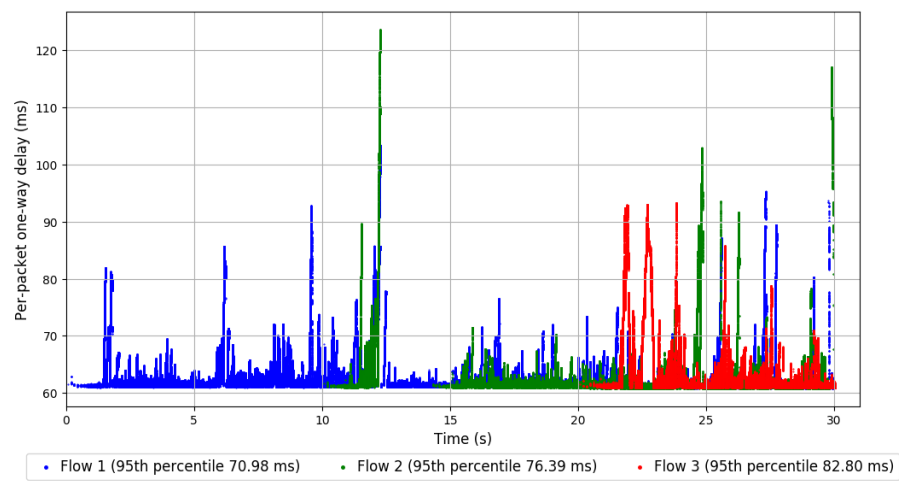
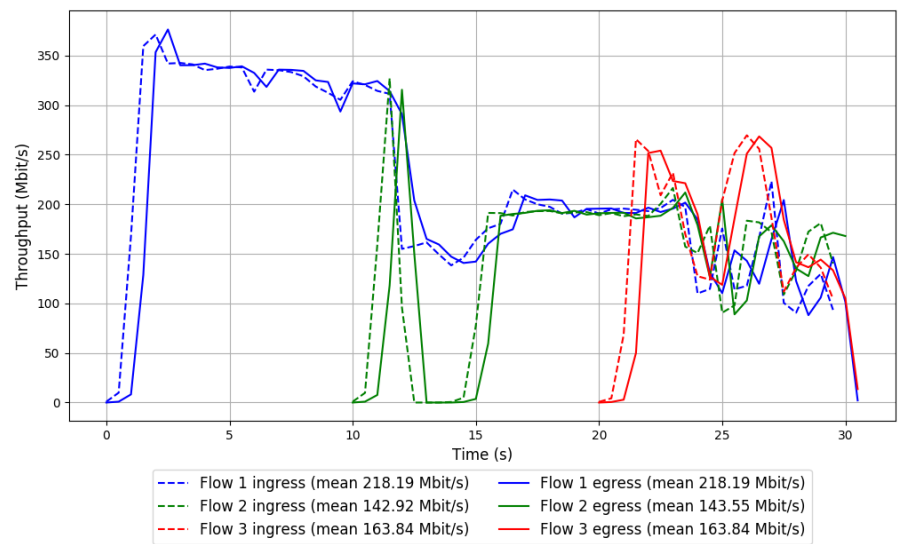


Run 9: Statistics of Copa

Start at: 2018-08-11 10:20:53
End at: 2018-08-11 10:21:23
Local clock offset: -0.038 ms
Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-08-11 11:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.82 Mbit/s
95th percentile per-packet one-way delay: 74.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.19 Mbit/s
95th percentile per-packet one-way delay: 70.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 143.55 Mbit/s
95th percentile per-packet one-way delay: 76.386 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 163.84 Mbit/s
95th percentile per-packet one-way delay: 82.802 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

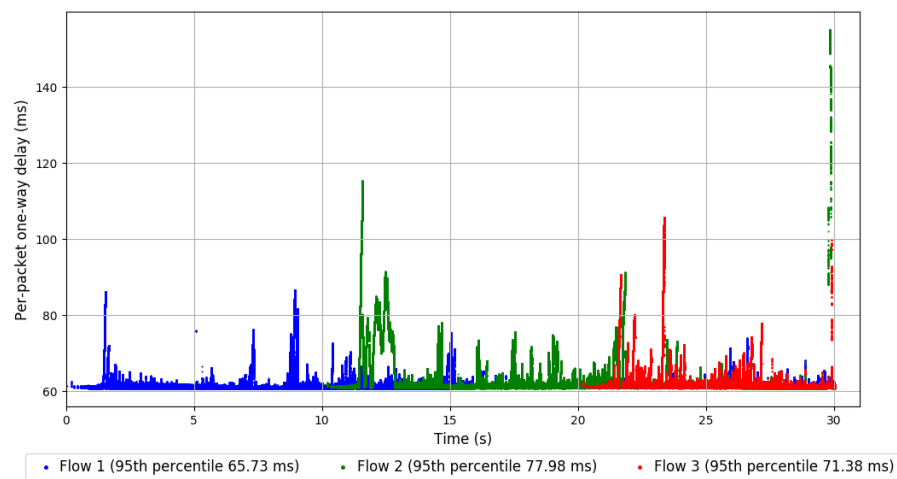
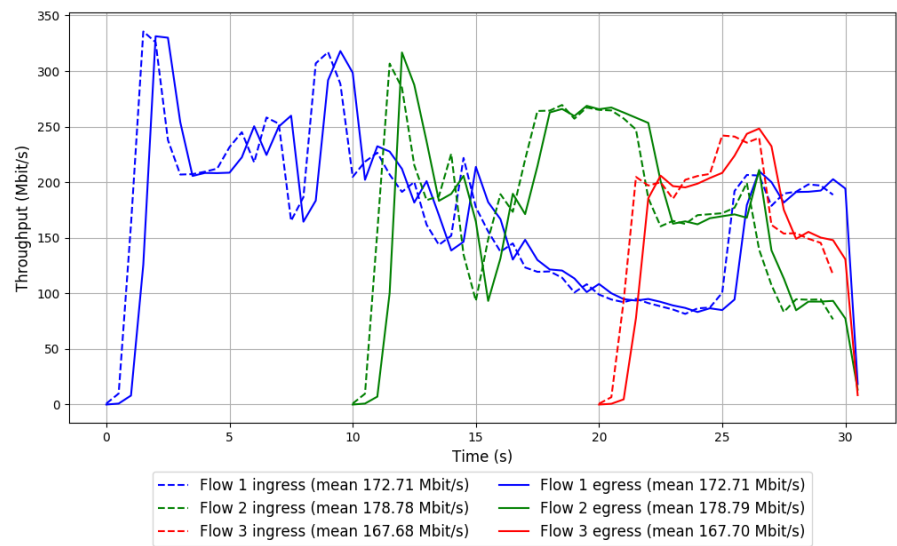


Run 10: Statistics of Copa

Start at: 2018-08-11 10:47:48
End at: 2018-08-11 10:48:18
Local clock offset: -0.109 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-08-11 11:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.52 Mbit/s
95th percentile per-packet one-way delay: 72.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.71 Mbit/s
95th percentile per-packet one-way delay: 65.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.79 Mbit/s
95th percentile per-packet one-way delay: 77.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.70 Mbit/s
95th percentile per-packet one-way delay: 71.383 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

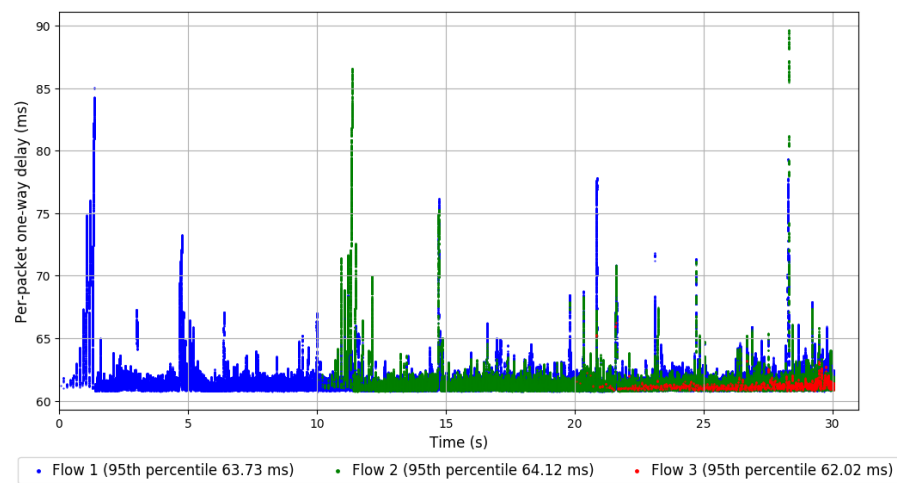
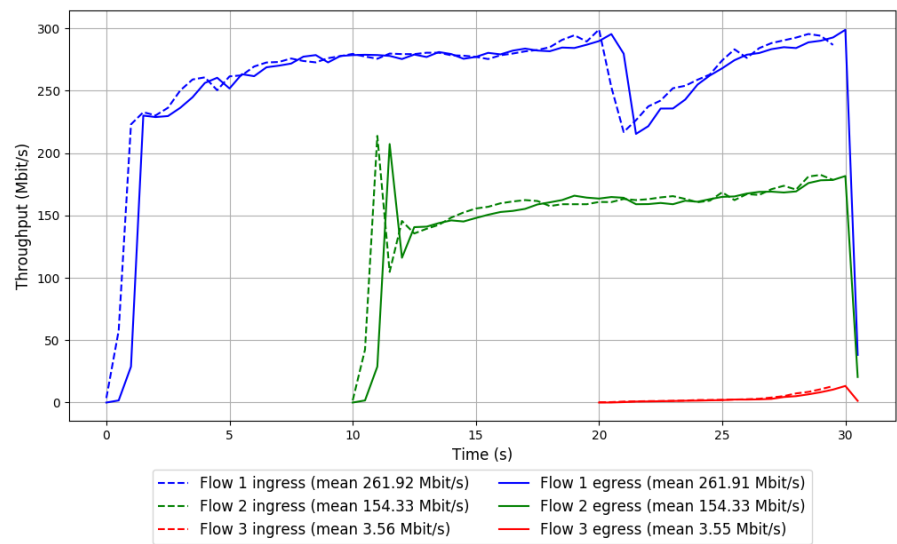


Run 1: Statistics of TCP Cubic

Start at: 2018-08-11 06:59:03
End at: 2018-08-11 06:59:33
Local clock offset: -0.185 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-11 11:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.89 Mbit/s
95th percentile per-packet one-way delay: 63.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 261.91 Mbit/s
95th percentile per-packet one-way delay: 63.734 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 154.33 Mbit/s
95th percentile per-packet one-way delay: 64.117 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 62.015 ms
Loss rate: 0.34%

Run 1: Report of TCP Cubic — Data Link

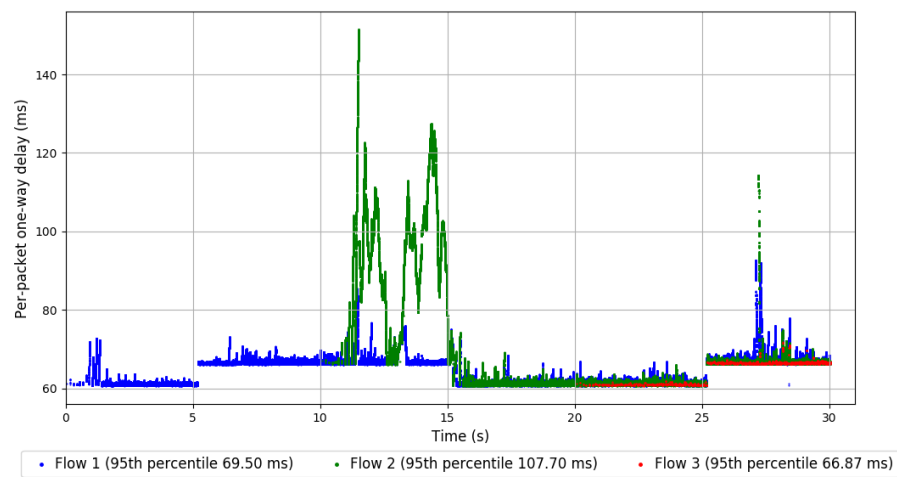
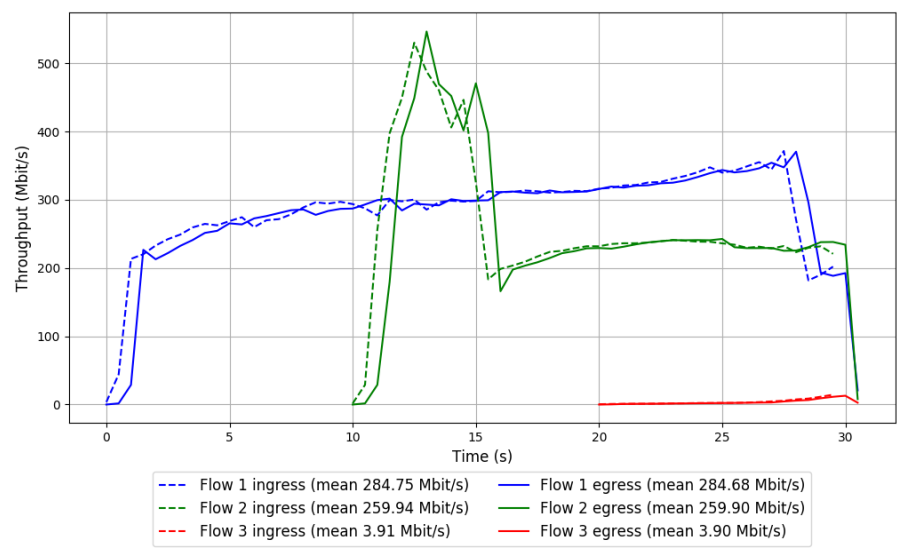


Run 2: Statistics of TCP Cubic

Start at: 2018-08-11 07:24:38
End at: 2018-08-11 07:25:08
Local clock offset: -0.097 ms
Remote clock offset: -0.565 ms

Below is generated by plot.py at 2018-08-11 11:57:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 458.84 Mbit/s
95th percentile per-packet one-way delay: 97.177 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 284.68 Mbit/s
95th percentile per-packet one-way delay: 69.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 259.90 Mbit/s
95th percentile per-packet one-way delay: 107.702 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 66.873 ms
Loss rate: 0.25%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-11 07:50:32

End at: 2018-08-11 07:51:02

Local clock offset: -0.031 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-08-11 11:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 496.19 Mbit/s

95th percentile per-packet one-way delay: 113.250 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 210.34 Mbit/s

95th percentile per-packet one-way delay: 72.594 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 427.42 Mbit/s

95th percentile per-packet one-way delay: 117.922 ms

Loss rate: 0.05%

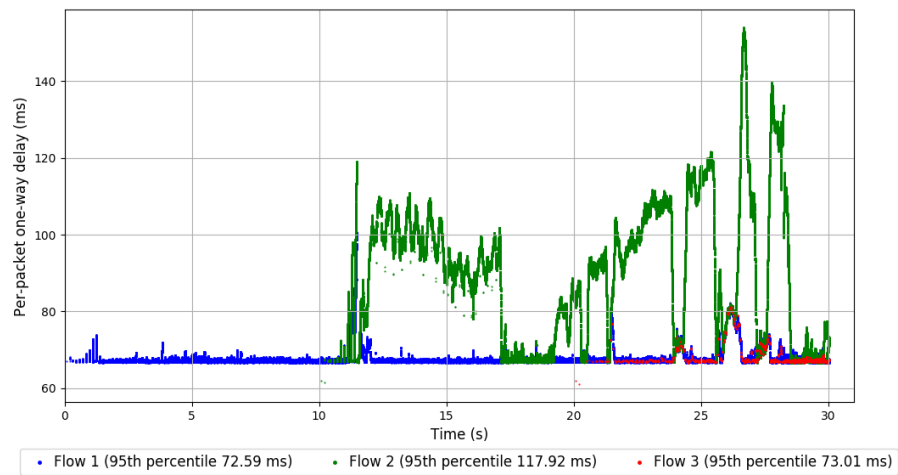
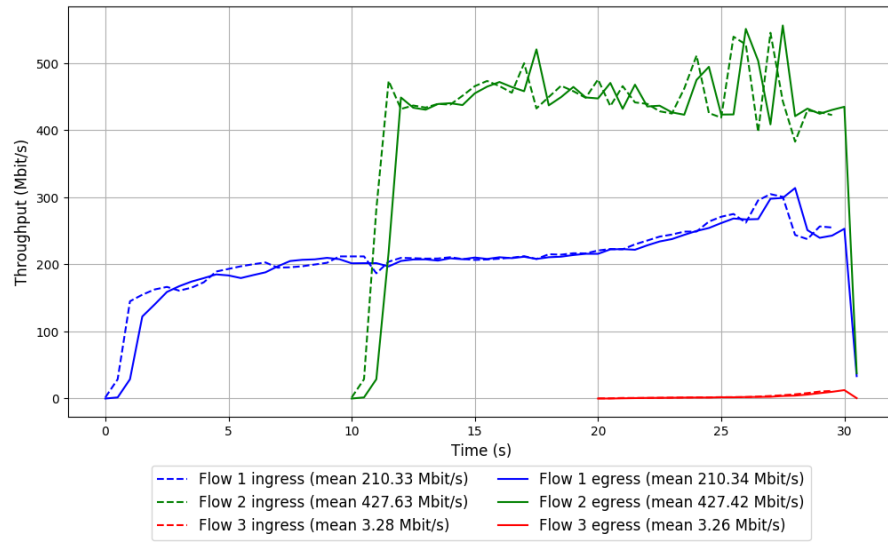
-- Flow 3:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 73.006 ms

Loss rate: 0.73%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

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

End at: 2018-08-11 08:16:35

Local clock offset: -0.071 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-08-11 11:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.84 Mbit/s

95th percentile per-packet one-way delay: 68.956 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 216.29 Mbit/s

95th percentile per-packet one-way delay: 68.961 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 320.42 Mbit/s

95th percentile per-packet one-way delay: 68.952 ms

Loss rate: 0.03%

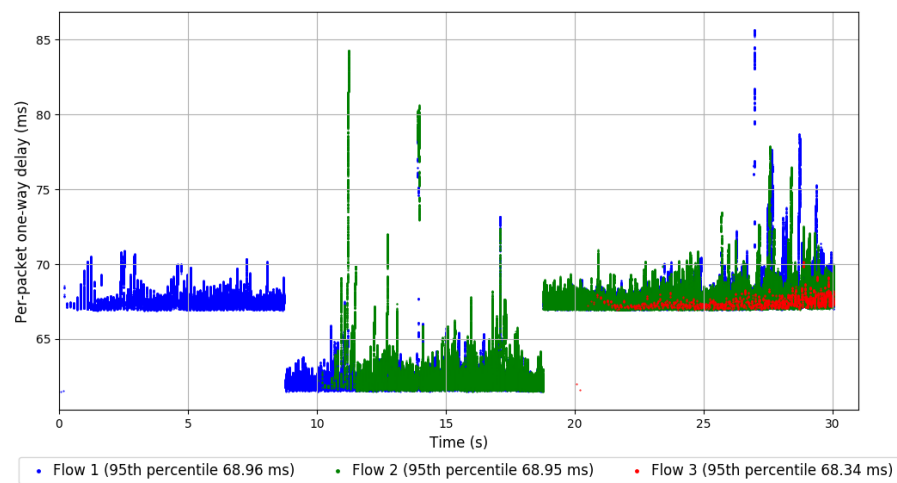
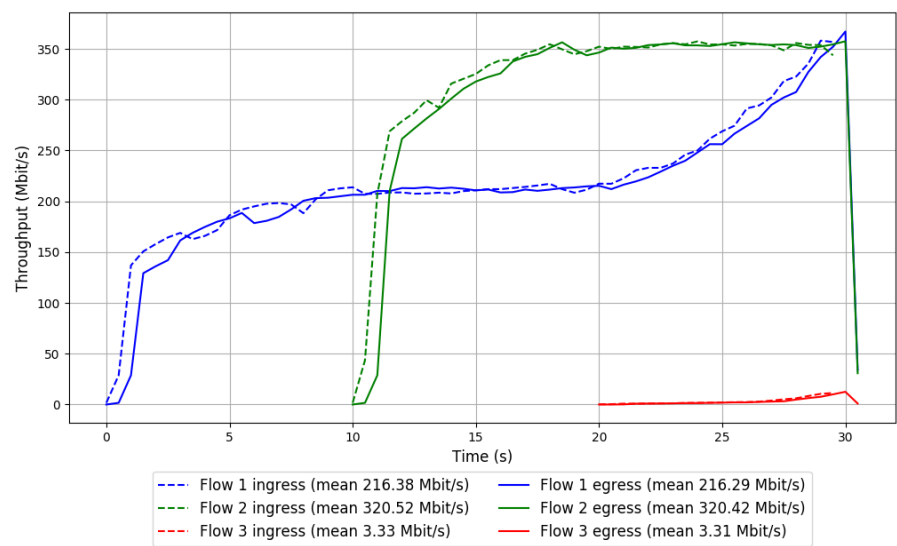
-- Flow 3:

Average throughput: 3.31 Mbit/s

95th percentile per-packet one-way delay: 68.337 ms

Loss rate: 0.36%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-11 08:41:50

End at: 2018-08-11 08:42:20

Local clock offset: -0.073 ms

Remote clock offset: 0.612 ms

Below is generated by plot.py at 2018-08-11 11:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.11 Mbit/s

95th percentile per-packet one-way delay: 64.218 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 221.07 Mbit/s

95th percentile per-packet one-way delay: 63.756 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 214.46 Mbit/s

95th percentile per-packet one-way delay: 65.136 ms

Loss rate: 0.00%

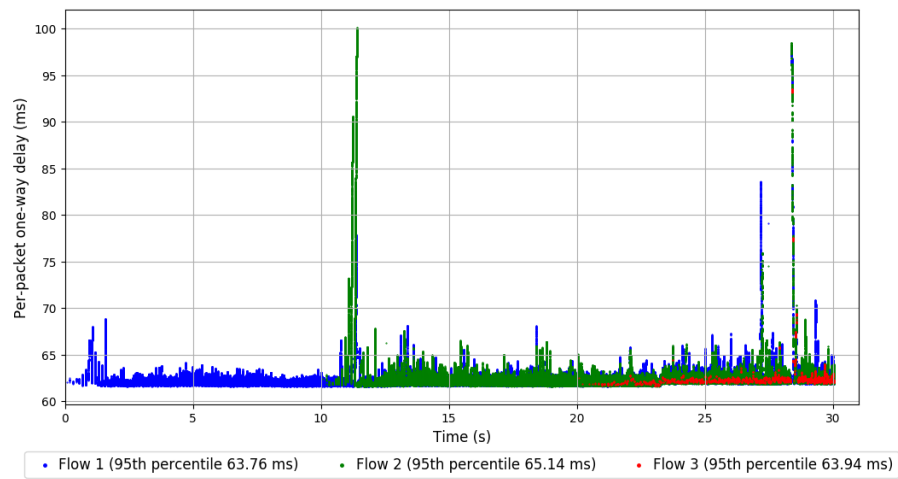
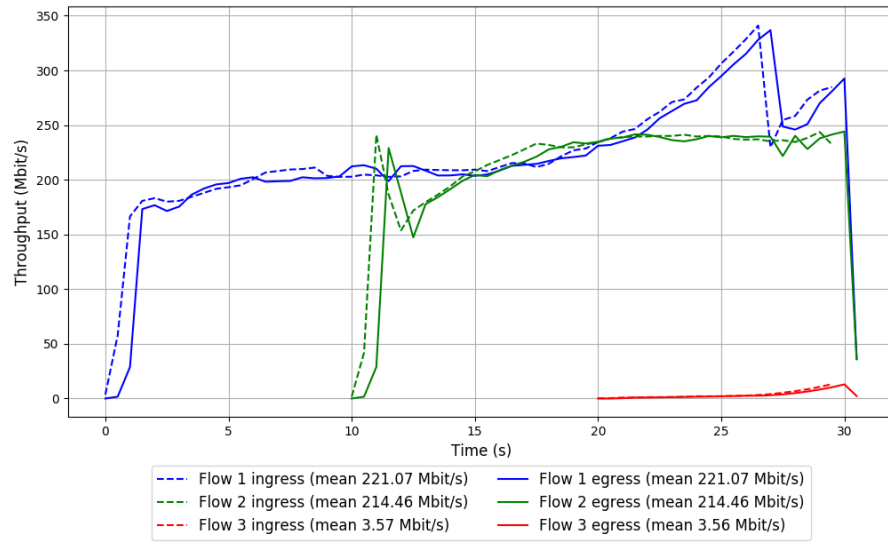
-- Flow 3:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 63.938 ms

Loss rate: 0.34%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-11 09:07:52

End at: 2018-08-11 09:08:22

Local clock offset: -0.035 ms

Remote clock offset: -0.83 ms

Below is generated by plot.py at 2018-08-11 11:58:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.64 Mbit/s

95th percentile per-packet one-way delay: 164.635 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 228.21 Mbit/s

95th percentile per-packet one-way delay: 78.548 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.27 Mbit/s

95th percentile per-packet one-way delay: 92.120 ms

Loss rate: 0.36%

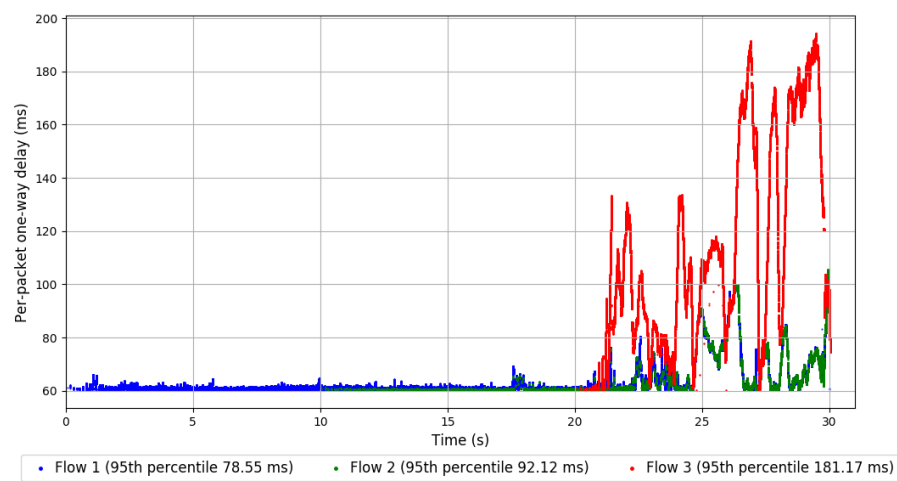
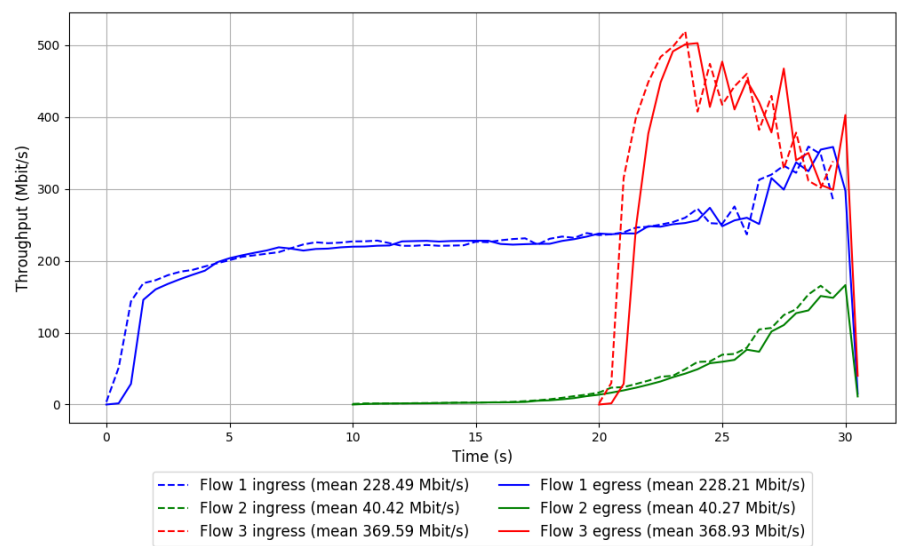
-- Flow 3:

Average throughput: 368.93 Mbit/s

95th percentile per-packet one-way delay: 181.174 ms

Loss rate: 0.17%

Run 6: Report of TCP Cubic — Data Link

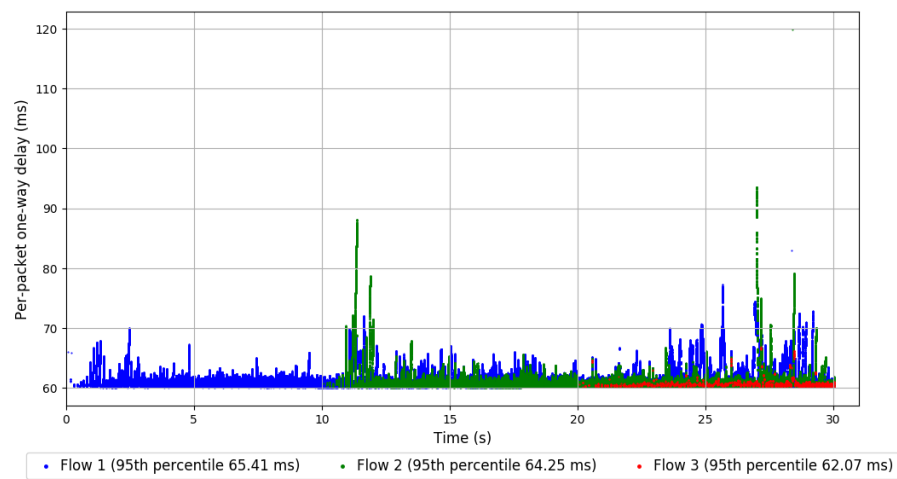
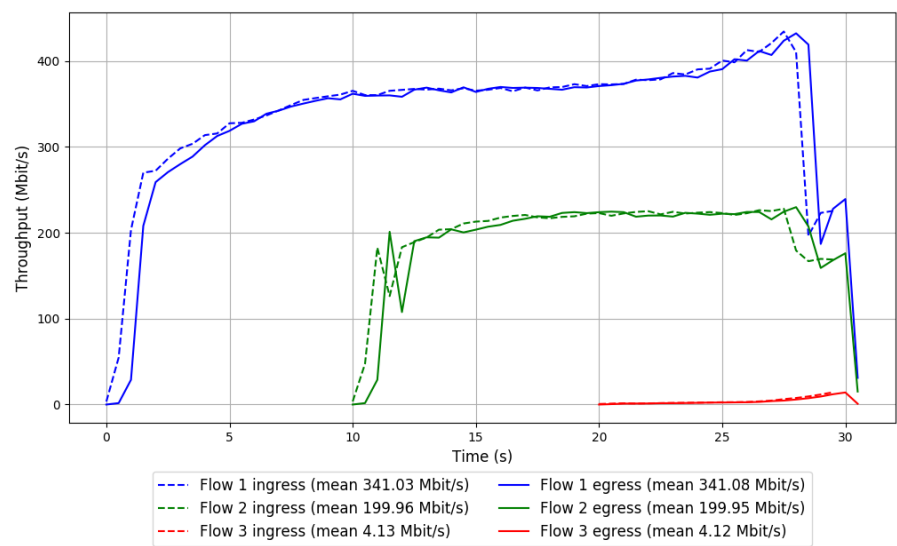


Run 7: Statistics of TCP Cubic

Start at: 2018-08-11 09:34:36
End at: 2018-08-11 09:35:06
Local clock offset: -0.016 ms
Remote clock offset: -0.872 ms

Below is generated by plot.py at 2018-08-11 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 475.69 Mbit/s
95th percentile per-packet one-way delay: 65.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 341.08 Mbit/s
95th percentile per-packet one-way delay: 65.408 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 199.95 Mbit/s
95th percentile per-packet one-way delay: 64.253 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 62.067 ms
Loss rate: 0.18%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-11 10:01:27

End at: 2018-08-11 10:01:57

Local clock offset: 0.063 ms

Remote clock offset: 1.077 ms

Below is generated by plot.py at 2018-08-11 12:03:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 596.05 Mbit/s

95th percentile per-packet one-way delay: 157.396 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 326.64 Mbit/s

95th percentile per-packet one-way delay: 80.810 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 402.71 Mbit/s

95th percentile per-packet one-way delay: 173.547 ms

Loss rate: 0.32%

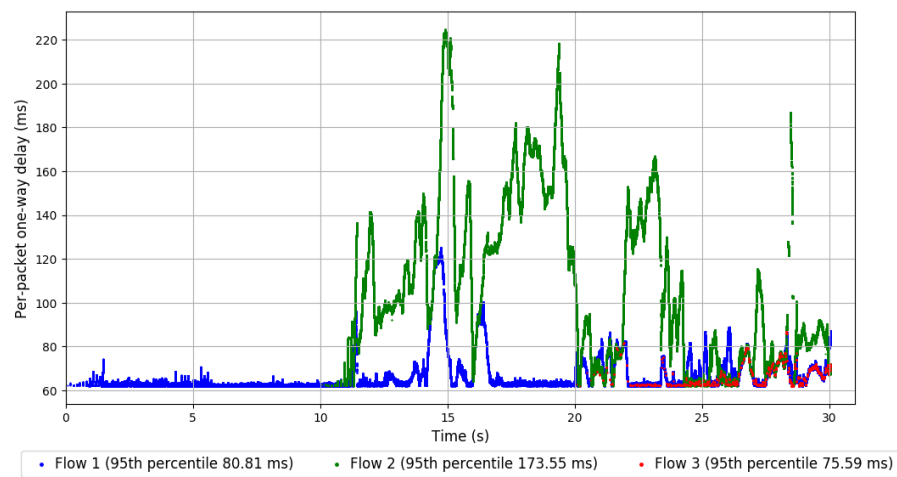
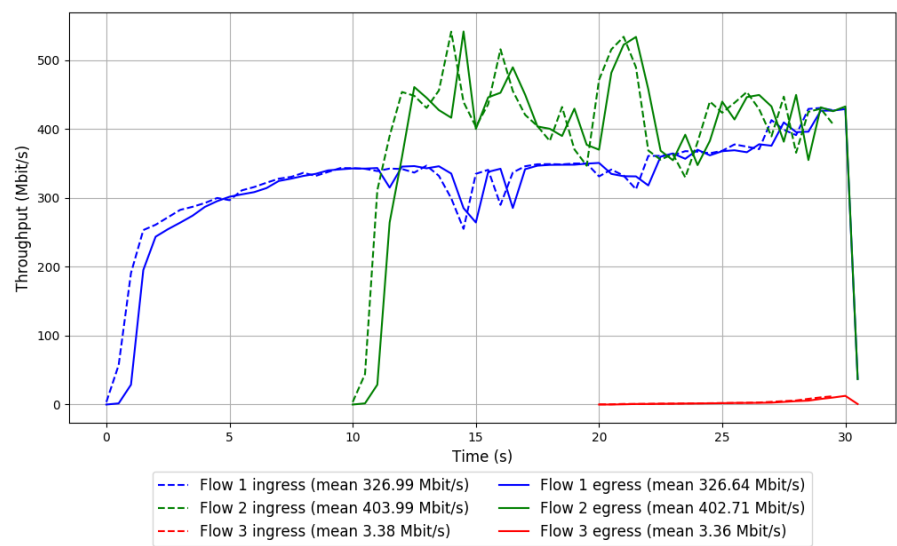
-- Flow 3:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 75.593 ms

Loss rate: 0.36%

Run 8: Report of TCP Cubic — Data Link

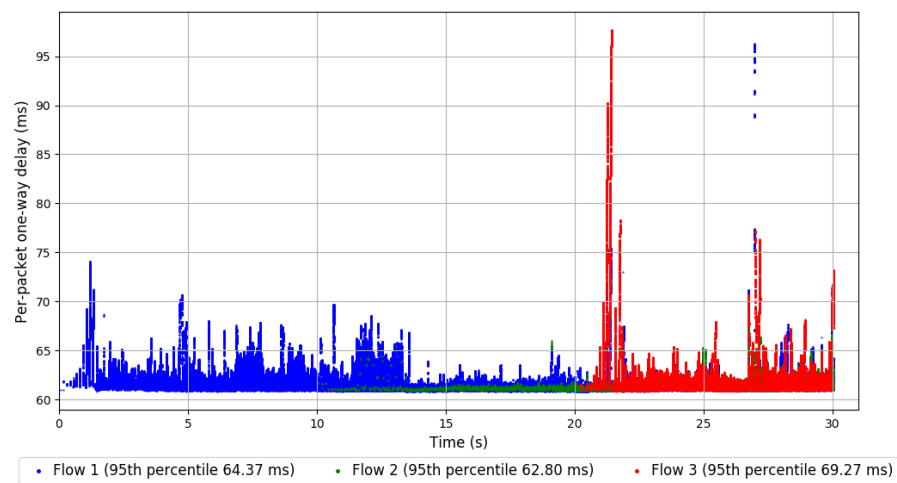
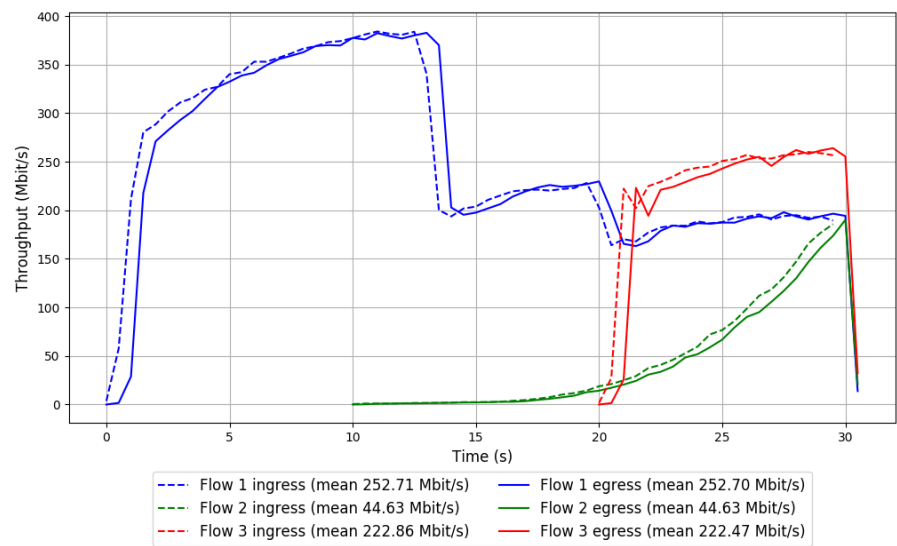


Run 9: Statistics of TCP Cubic

Start at: 2018-08-11 10:28:20
End at: 2018-08-11 10:28:50
Local clock offset: 0.022 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-08-11 12:03:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.18 Mbit/s
95th percentile per-packet one-way delay: 64.768 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 252.70 Mbit/s
95th percentile per-packet one-way delay: 64.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.63 Mbit/s
95th percentile per-packet one-way delay: 62.802 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 222.47 Mbit/s
95th percentile per-packet one-way delay: 69.267 ms
Loss rate: 0.16%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-11 10:55:06

End at: 2018-08-11 10:55:36

Local clock offset: -0.032 ms

Remote clock offset: 1.297 ms

Below is generated by plot.py at 2018-08-11 12:03:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 403.34 Mbit/s

95th percentile per-packet one-way delay: 66.495 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 246.58 Mbit/s

95th percentile per-packet one-way delay: 67.243 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 233.27 Mbit/s

95th percentile per-packet one-way delay: 65.267 ms

Loss rate: 0.01%

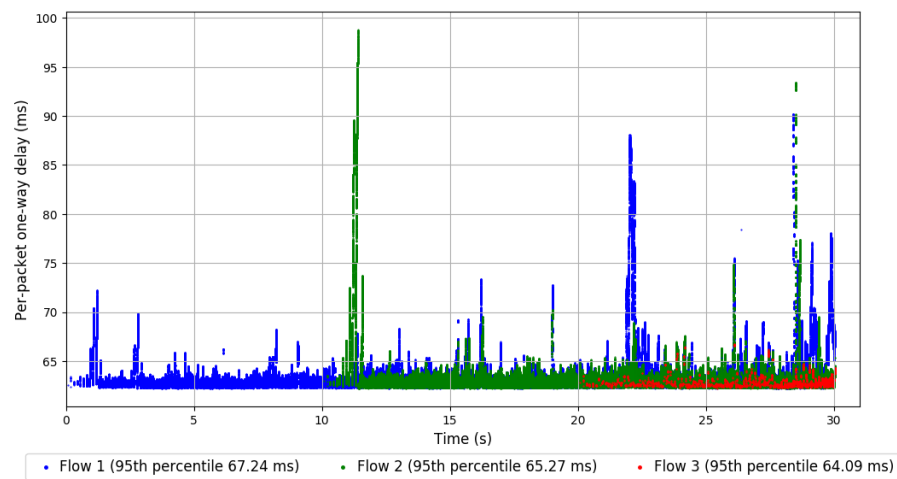
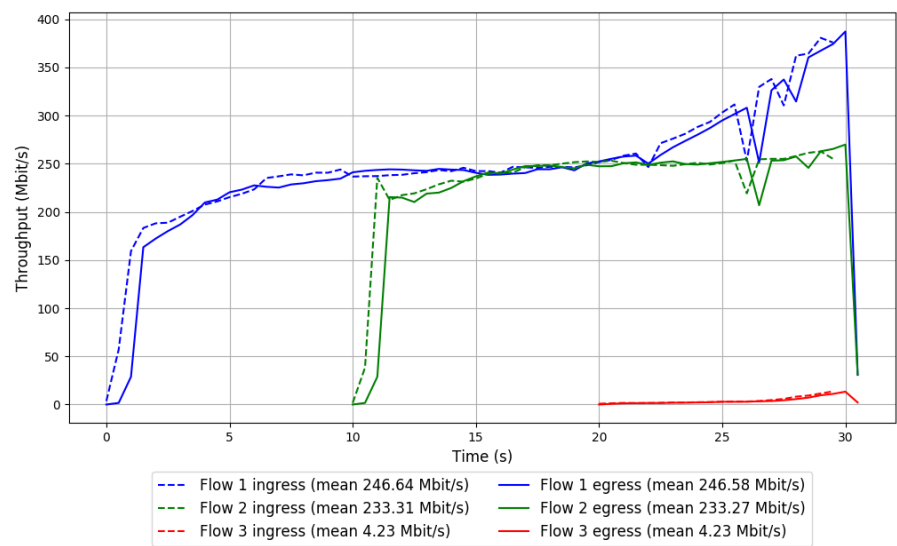
-- Flow 3:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 64.089 ms

Loss rate: 0.09%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-08-11 06:40:37

End at: 2018-08-11 06:41:07

Local clock offset: -0.117 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-08-11 12:21:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 1345.59 Mbit/s

95th percentile per-packet one-way delay: 132.063 ms

Loss rate: 1.80%

-- Flow 1:

Average throughput: 728.17 Mbit/s

95th percentile per-packet one-way delay: 130.597 ms

Loss rate: 1.78%

-- Flow 2:

Average throughput: 628.29 Mbit/s

95th percentile per-packet one-way delay: 138.478 ms

Loss rate: 2.58%

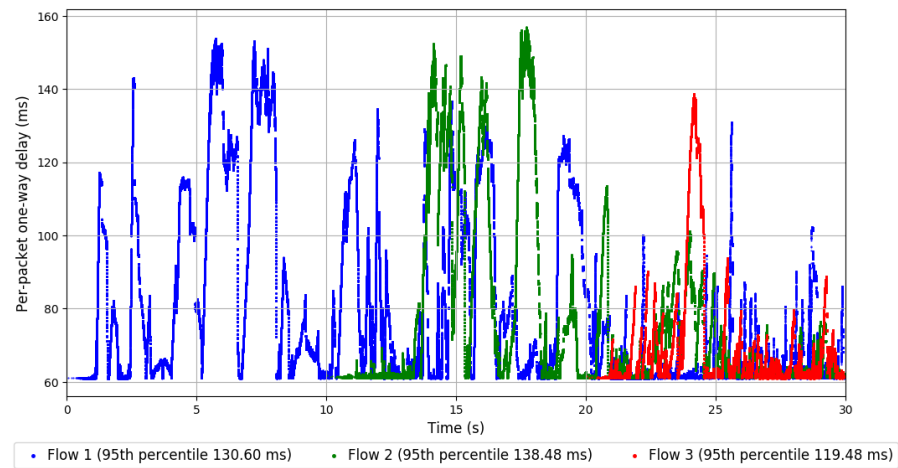
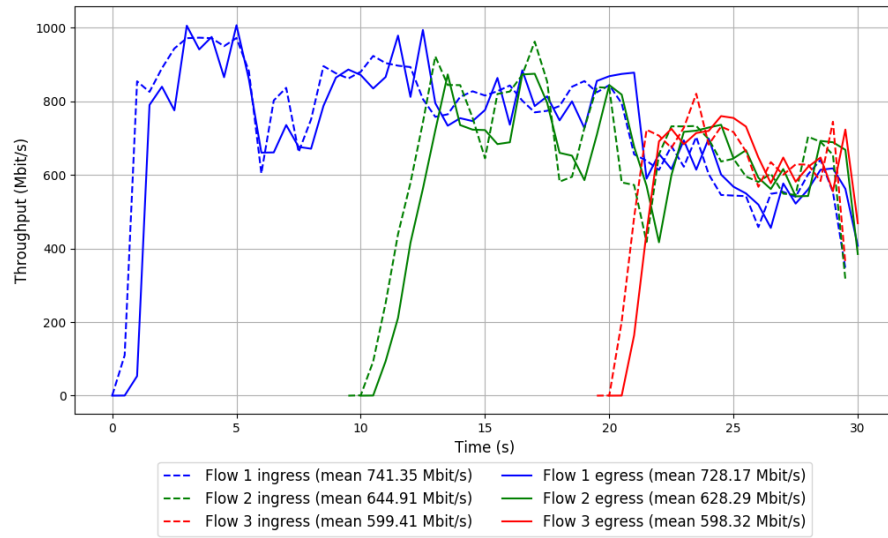
-- Flow 3:

Average throughput: 598.32 Mbit/s

95th percentile per-packet one-way delay: 119.477 ms

Loss rate: 0.18%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-11 07:07:13

End at: 2018-08-11 07:07:43

Local clock offset: -0.156 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-08-11 12:23:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 1361.08 Mbit/s

95th percentile per-packet one-way delay: 141.153 ms

Loss rate: 3.75%

-- Flow 1:

Average throughput: 719.89 Mbit/s

95th percentile per-packet one-way delay: 140.420 ms

Loss rate: 4.73%

-- Flow 2:

Average throughput: 660.40 Mbit/s

95th percentile per-packet one-way delay: 132.194 ms

Loss rate: 1.97%

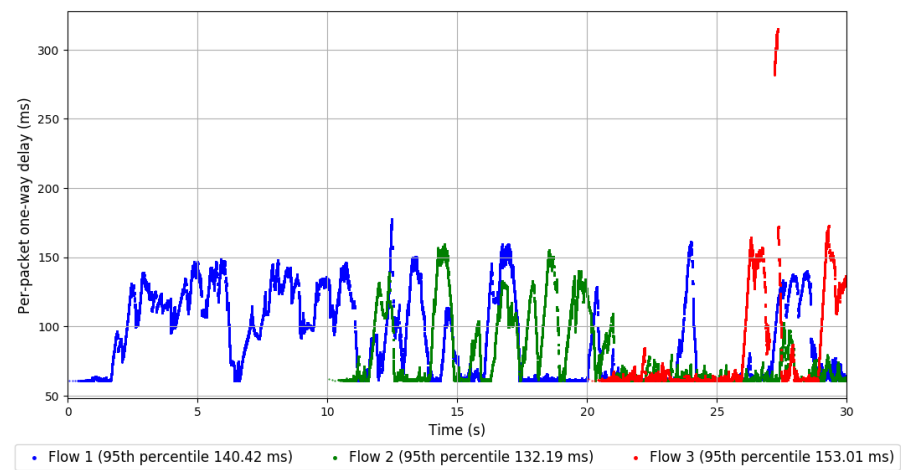
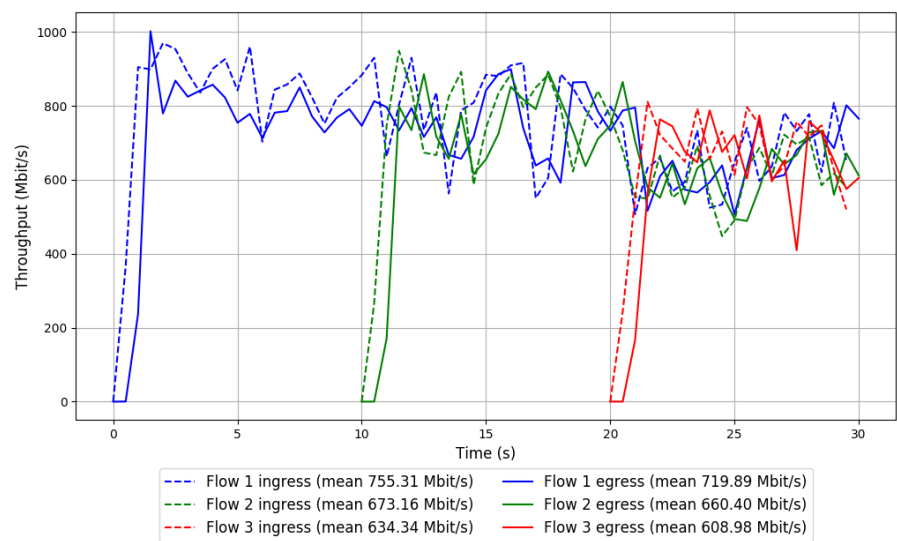
-- Flow 3:

Average throughput: 608.98 Mbit/s

95th percentile per-packet one-way delay: 153.013 ms

Loss rate: 4.01%

Run 2: Report of FillP — Data Link

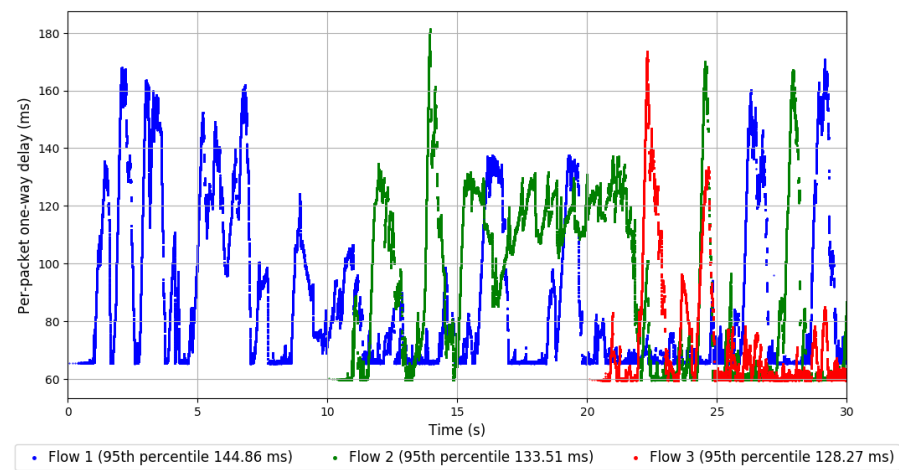
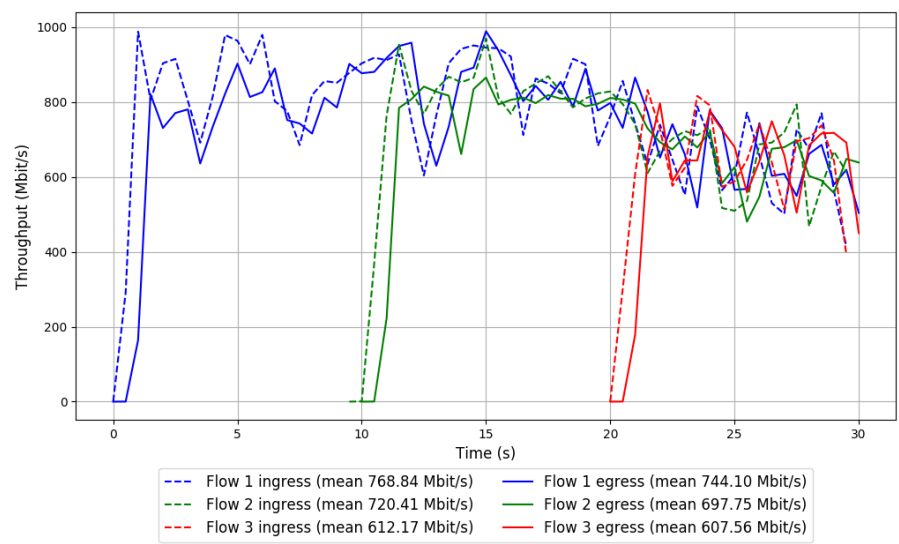


Run 3: Statistics of FillP

Start at: 2018-08-11 07:33:04
End at: 2018-08-11 07:33:34
Local clock offset: -0.062 ms
Remote clock offset: -1.446 ms

Below is generated by plot.py at 2018-08-11 12:25:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1410.33 Mbit/s
95th percentile per-packet one-way delay: 138.143 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 744.10 Mbit/s
95th percentile per-packet one-way delay: 144.859 ms
Loss rate: 3.23%
-- Flow 2:
Average throughput: 697.75 Mbit/s
95th percentile per-packet one-way delay: 133.507 ms
Loss rate: 3.15%
-- Flow 3:
Average throughput: 607.56 Mbit/s
95th percentile per-packet one-way delay: 128.270 ms
Loss rate: 0.75%

Run 3: Report of FillP — Data Link

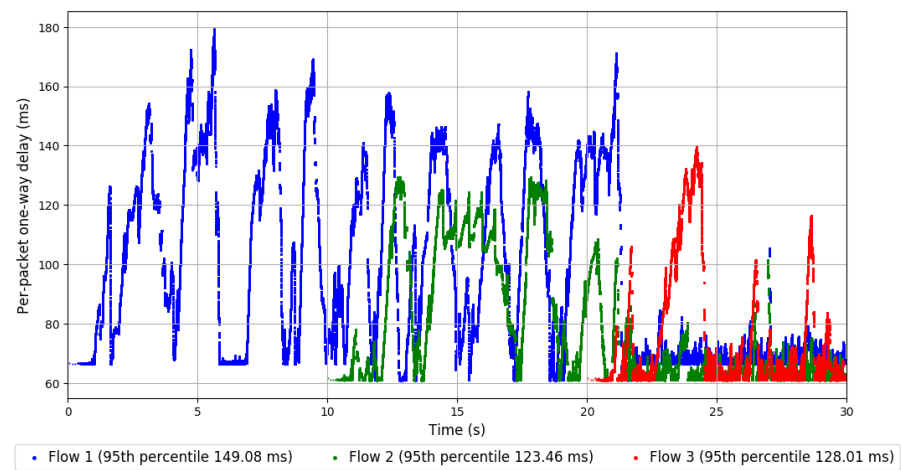
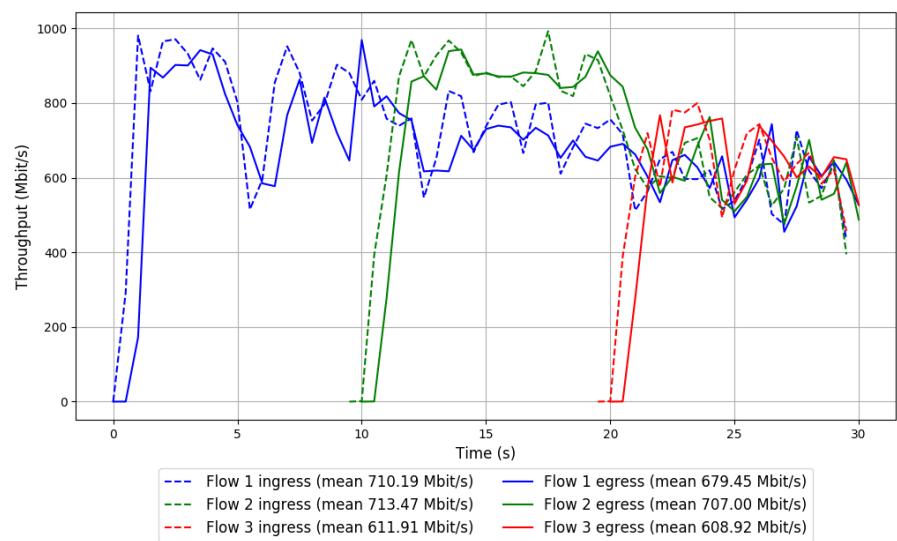


Run 4: Statistics of FillP

Start at: 2018-08-11 07:58:51
End at: 2018-08-11 07:59:21
Local clock offset: -0.063 ms
Remote clock offset: -0.344 ms

Below is generated by plot.py at 2018-08-11 12:25:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 1352.62 Mbit/s
95th percentile per-packet one-way delay: 142.227 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 679.45 Mbit/s
95th percentile per-packet one-way delay: 149.081 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 707.00 Mbit/s
95th percentile per-packet one-way delay: 123.458 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 608.92 Mbit/s
95th percentile per-packet one-way delay: 128.011 ms
Loss rate: 0.50%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-11 08:24:32

End at: 2018-08-11 08:25:02

Local clock offset: -0.071 ms

Remote clock offset: 1.17 ms

Below is generated by plot.py at 2018-08-11 12:28:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1362.01 Mbit/s

95th percentile per-packet one-way delay: 142.555 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 707.71 Mbit/s

95th percentile per-packet one-way delay: 141.568 ms

Loss rate: 2.32%

-- Flow 2:

Average throughput: 686.25 Mbit/s

95th percentile per-packet one-way delay: 138.711 ms

Loss rate: 1.70%

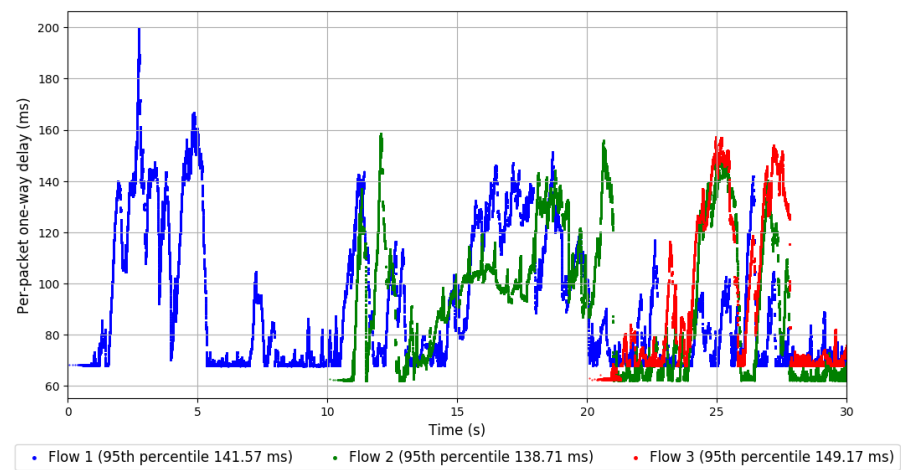
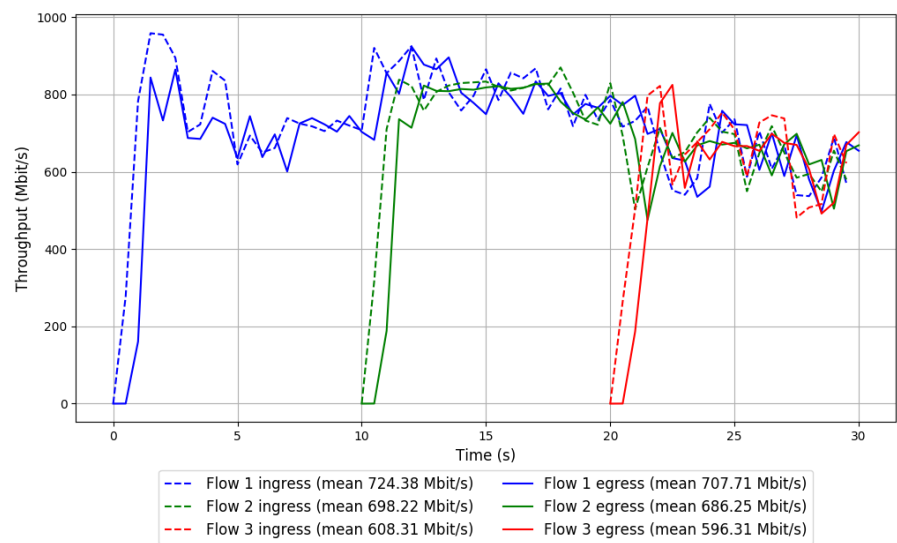
-- Flow 3:

Average throughput: 596.31 Mbit/s

95th percentile per-packet one-way delay: 149.166 ms

Loss rate: 1.97%

Run 5: Report of FillP — Data Link

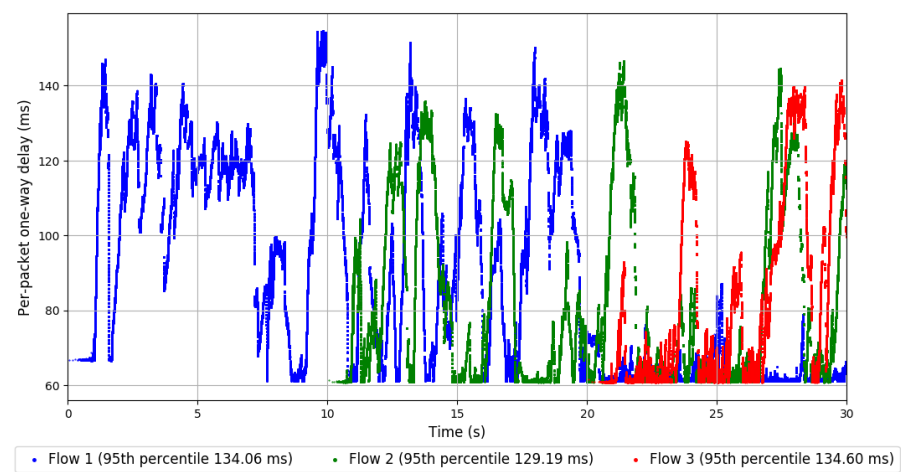
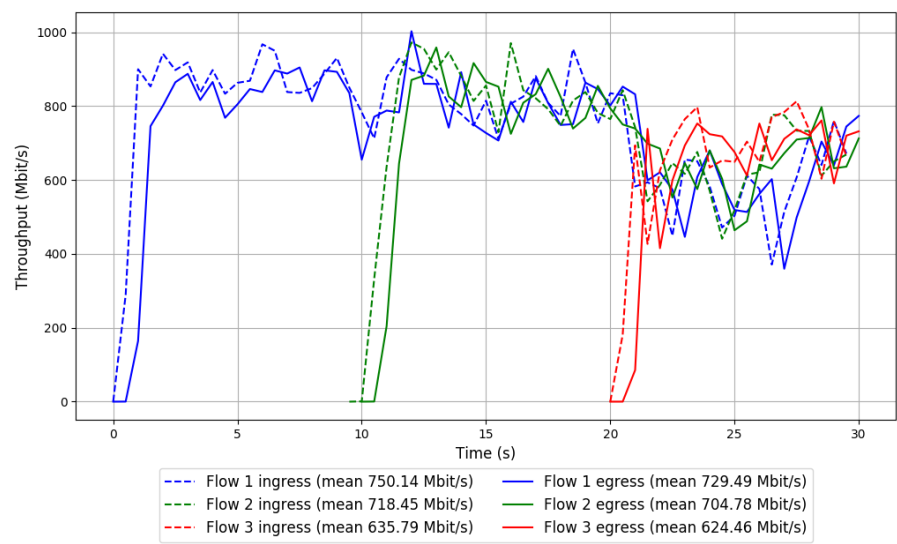


Run 6: Statistics of FillP

Start at: 2018-08-11 08:50:00
End at: 2018-08-11 08:50:30
Local clock offset: -0.097 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-08-11 12:29:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1406.20 Mbit/s
95th percentile per-packet one-way delay: 133.053 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 729.49 Mbit/s
95th percentile per-packet one-way delay: 134.055 ms
Loss rate: 2.77%
-- Flow 2:
Average throughput: 704.78 Mbit/s
95th percentile per-packet one-way delay: 129.194 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 624.46 Mbit/s
95th percentile per-packet one-way delay: 134.597 ms
Loss rate: 1.78%

Run 6: Report of FillP — Data Link

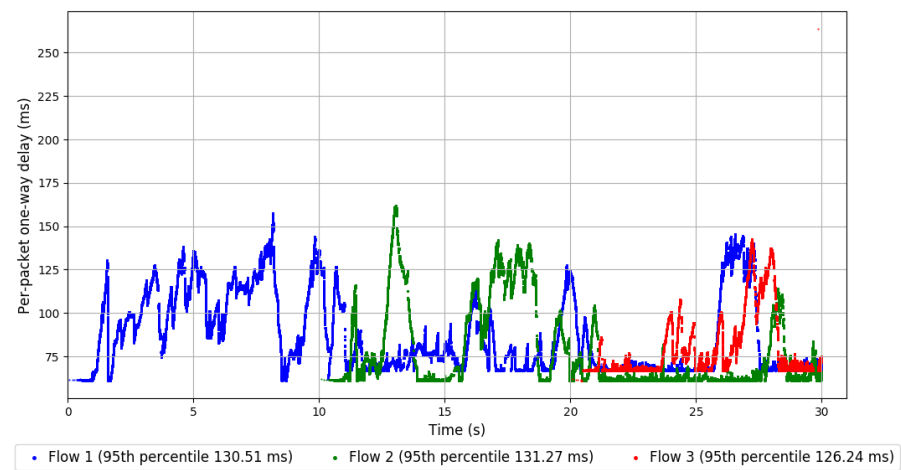
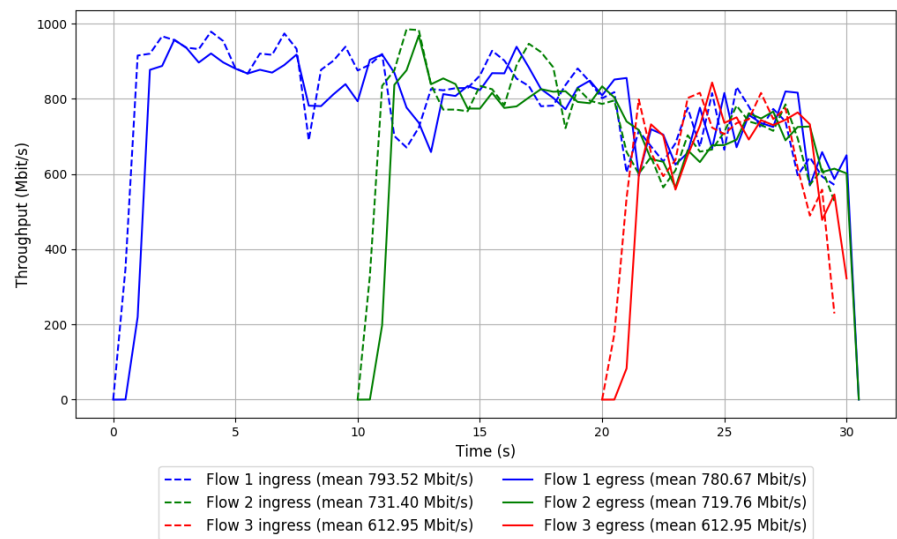


Run 7: Statistics of FillP

Start at: 2018-08-11 09:16:13
End at: 2018-08-11 09:16:43
Local clock offset: -0.081 ms
Remote clock offset: 0.231 ms

Below is generated by plot.py at 2018-08-11 12:31:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 1462.41 Mbit/s
95th percentile per-packet one-way delay: 130.358 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 780.67 Mbit/s
95th percentile per-packet one-way delay: 130.511 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 719.76 Mbit/s
95th percentile per-packet one-way delay: 131.269 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 612.95 Mbit/s
95th percentile per-packet one-way delay: 126.239 ms
Loss rate: 0.21%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-11 09:43:01

End at: 2018-08-11 09:43:31

Local clock offset: 0.04 ms

Remote clock offset: 1.208 ms

Below is generated by plot.py at 2018-08-11 12:32:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1437.99 Mbit/s

95th percentile per-packet one-way delay: 138.317 ms

Loss rate: 1.78%

-- Flow 1:

Average throughput: 728.76 Mbit/s

95th percentile per-packet one-way delay: 137.604 ms

Loss rate: 3.12%

-- Flow 2:

Average throughput: 741.18 Mbit/s

95th percentile per-packet one-way delay: 147.011 ms

Loss rate: 0.52%

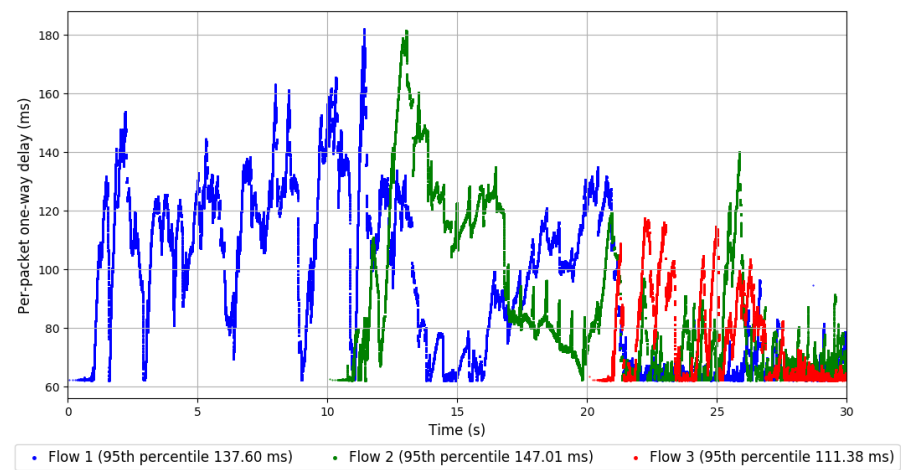
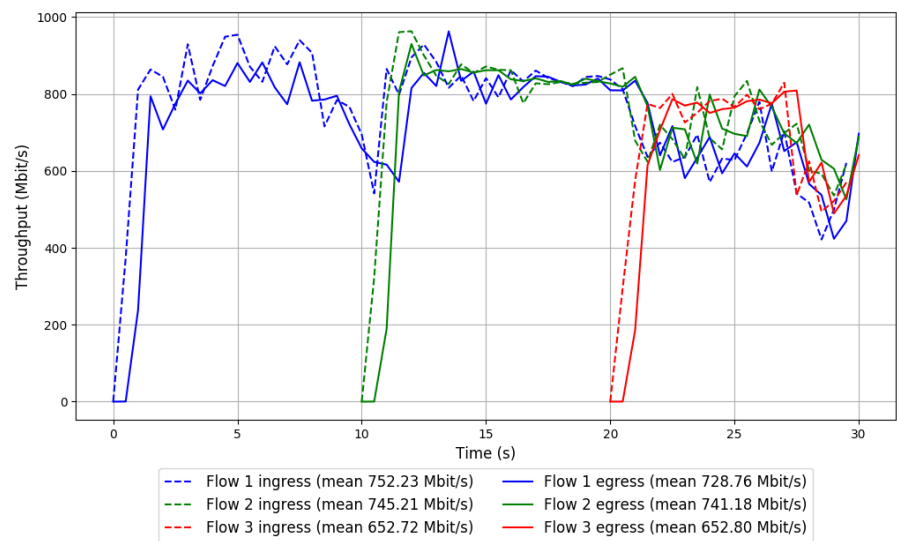
-- Flow 3:

Average throughput: 652.80 Mbit/s

95th percentile per-packet one-way delay: 111.379 ms

Loss rate: 0.00%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-11 10:09:58

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

Local clock offset: 0.026 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-11 12:51:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1444.68 Mbit/s

95th percentile per-packet one-way delay: 132.394 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 771.41 Mbit/s

95th percentile per-packet one-way delay: 188.541 ms

Loss rate: 1.33%

-- Flow 2:

Average throughput: 691.43 Mbit/s

95th percentile per-packet one-way delay: 126.104 ms

Loss rate: 1.27%

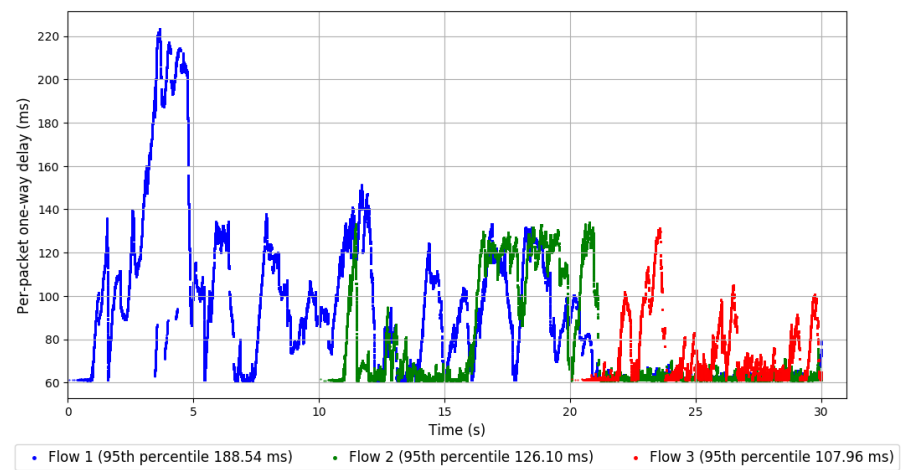
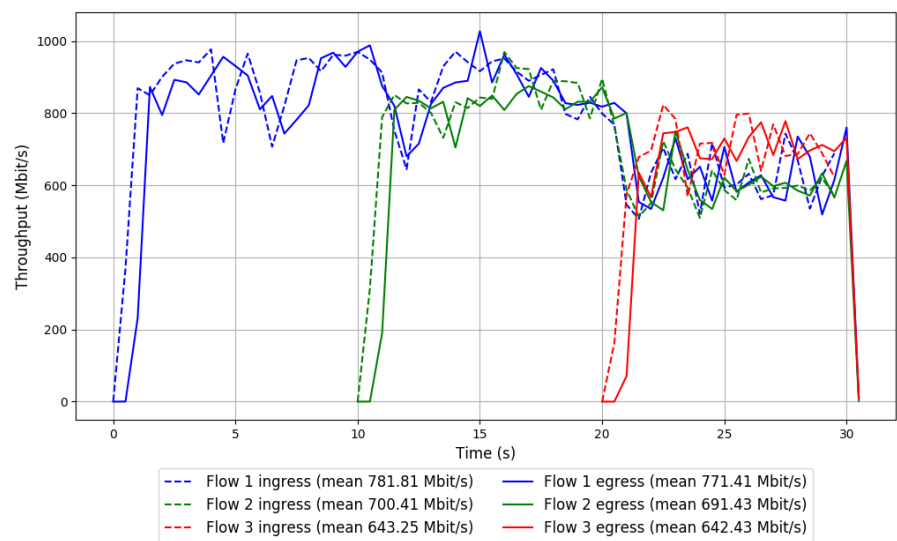
-- Flow 3:

Average throughput: 642.43 Mbit/s

95th percentile per-packet one-way delay: 107.961 ms

Loss rate: 0.14%

Run 9: Report of FillP — Data Link

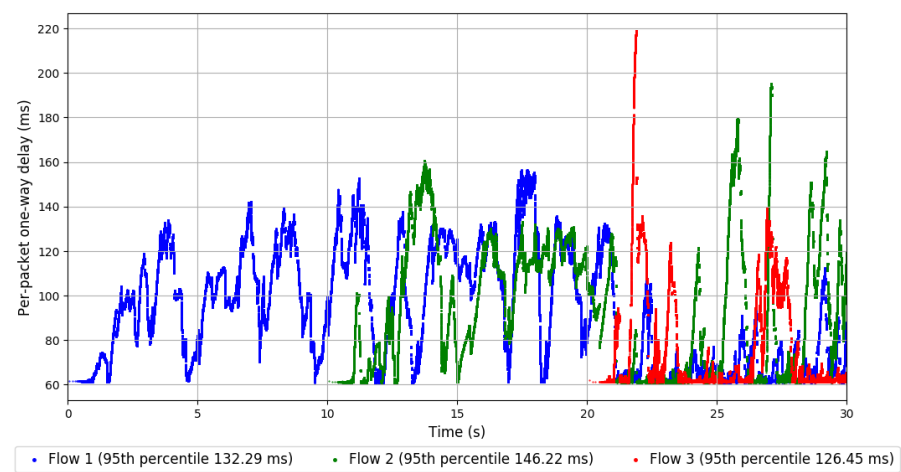
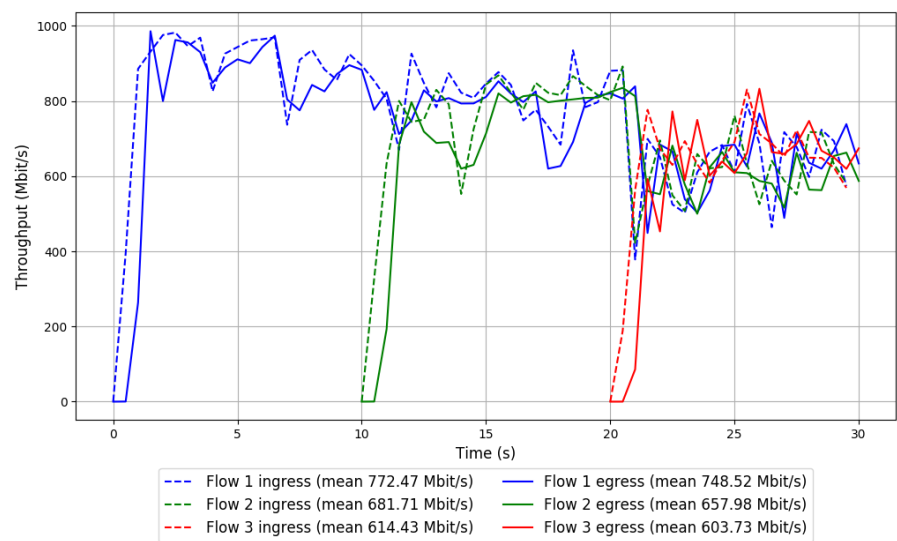


Run 10: Statistics of FillP

Start at: 2018-08-11 10:36:48
End at: 2018-08-11 10:37:18
Local clock offset: -0.038 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-11 12:52:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1386.24 Mbit/s
95th percentile per-packet one-way delay: 134.768 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 748.52 Mbit/s
95th percentile per-packet one-way delay: 132.295 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 657.98 Mbit/s
95th percentile per-packet one-way delay: 146.218 ms
Loss rate: 3.48%
-- Flow 3:
Average throughput: 603.73 Mbit/s
95th percentile per-packet one-way delay: 126.452 ms
Loss rate: 1.75%

Run 10: Report of FillP — Data Link

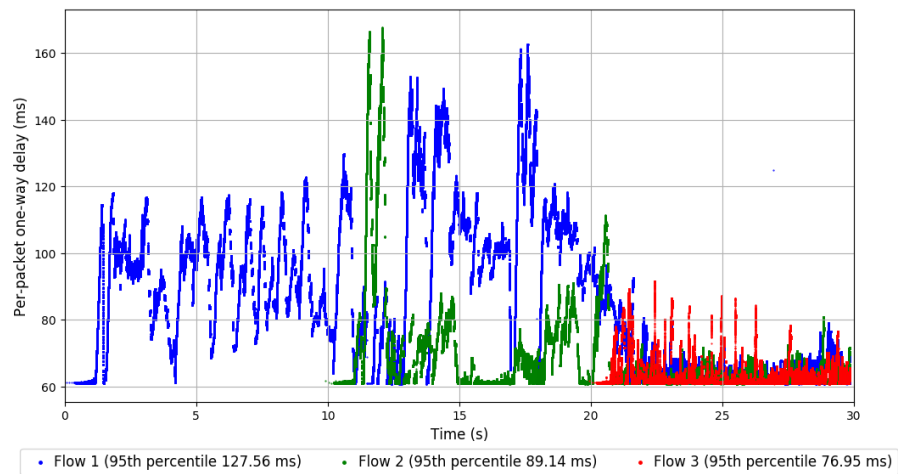
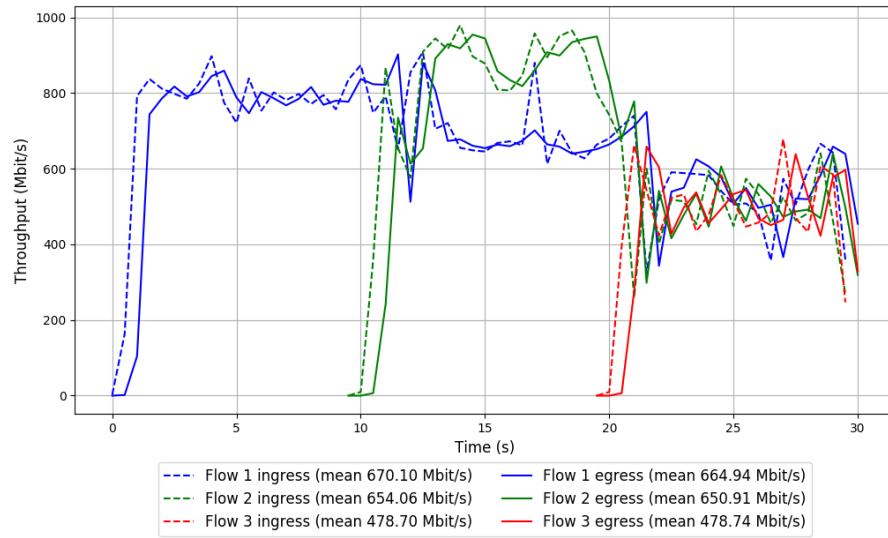


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-11 06:55:16
End at: 2018-08-11 06:55:46
Local clock offset: -0.118 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-08-11 12:52:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1259.84 Mbit/s
95th percentile per-packet one-way delay: 117.425 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 664.94 Mbit/s
95th percentile per-packet one-way delay: 127.563 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 650.91 Mbit/s
95th percentile per-packet one-way delay: 89.139 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 478.74 Mbit/s
95th percentile per-packet one-way delay: 76.948 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-11 07:20:45

End at: 2018-08-11 07:21:15

Local clock offset: -0.095 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-11 12:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1246.22 Mbit/s

95th percentile per-packet one-way delay: 120.177 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 672.24 Mbit/s

95th percentile per-packet one-way delay: 126.473 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 600.36 Mbit/s

95th percentile per-packet one-way delay: 94.660 ms

Loss rate: 0.01%

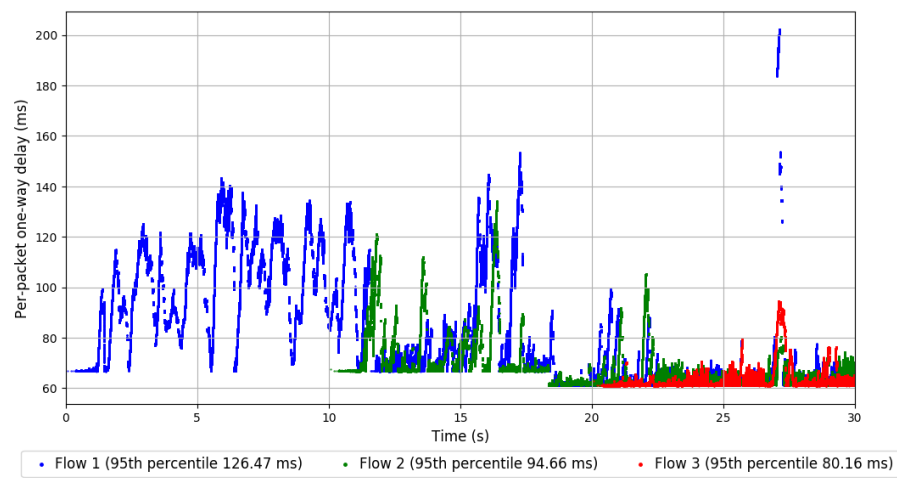
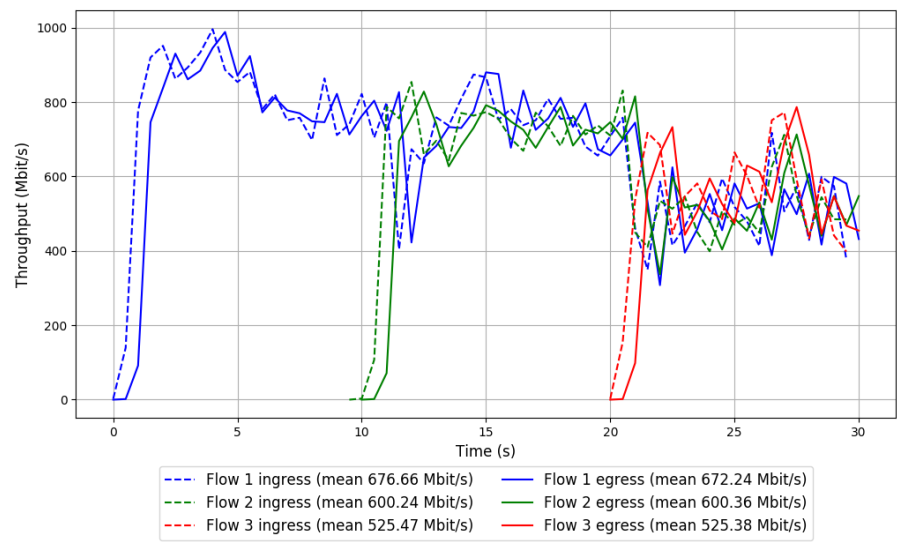
-- Flow 3:

Average throughput: 525.38 Mbit/s

95th percentile per-packet one-way delay: 80.163 ms

Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

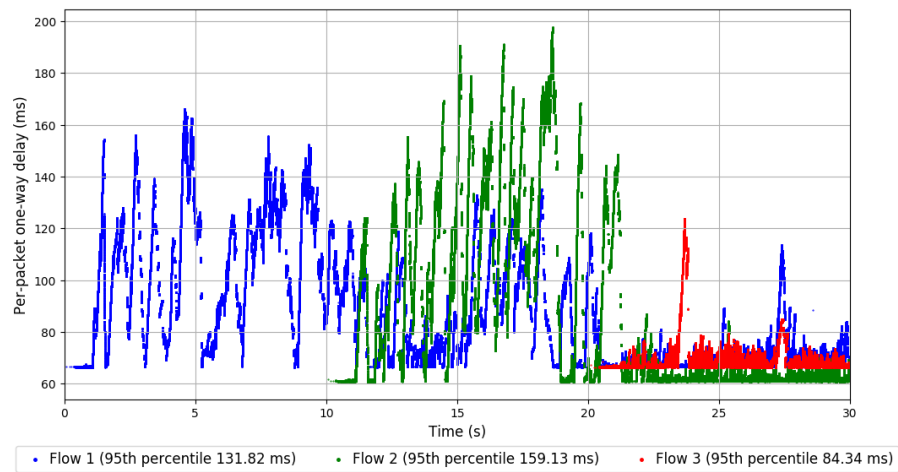
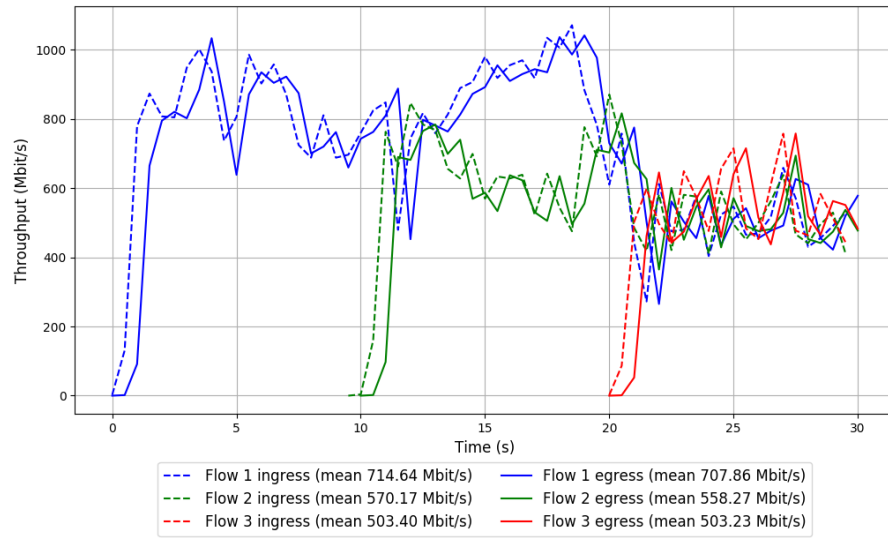


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-11 07:46:41
End at: 2018-08-11 07:47:11
Local clock offset: -0.048 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-08-11 12:54:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1246.28 Mbit/s
95th percentile per-packet one-way delay: 138.300 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 707.86 Mbit/s
95th percentile per-packet one-way delay: 131.817 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 558.27 Mbit/s
95th percentile per-packet one-way delay: 159.128 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 503.23 Mbit/s
95th percentile per-packet one-way delay: 84.340 ms
Loss rate: 0.09%

Run 3: Report of FillP-Sheep — Data Link

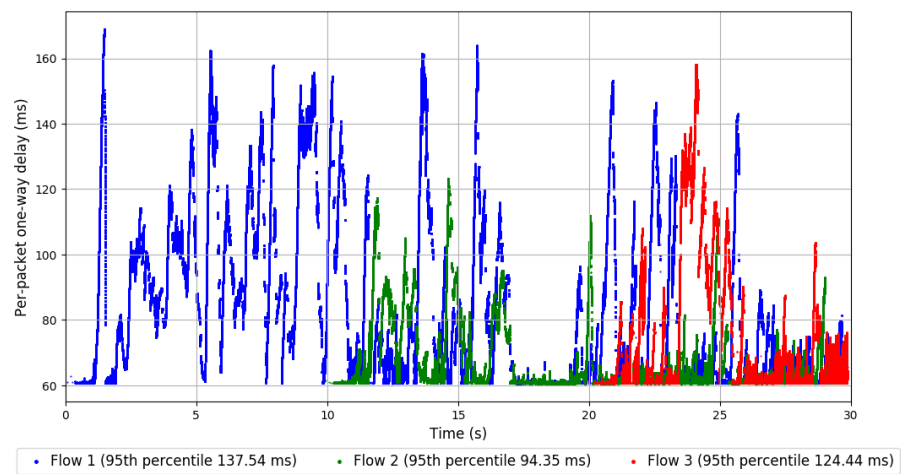
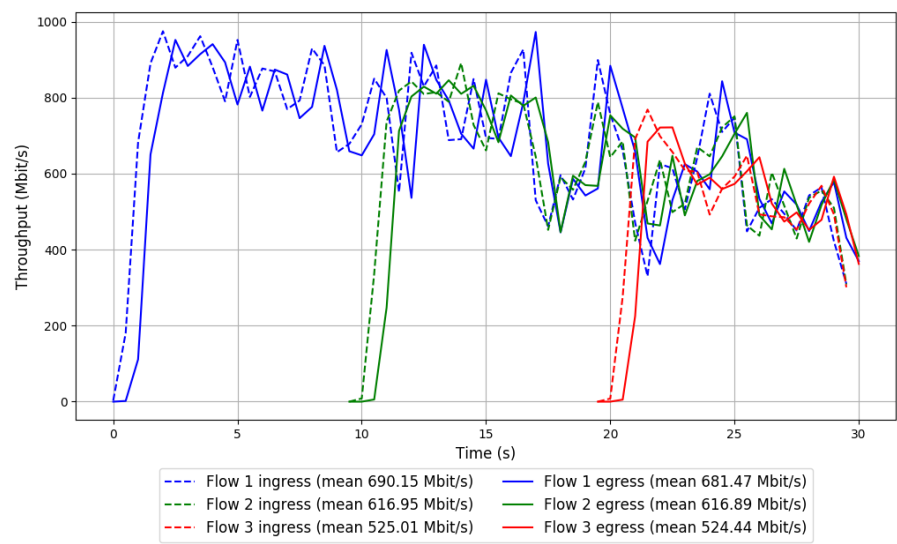


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-11 08:12:15
End at: 2018-08-11 08:12:45
Local clock offset: -0.087 ms
Remote clock offset: -0.417 ms

Below is generated by plot.py at 2018-08-11 12:56:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 1267.72 Mbit/s
95th percentile per-packet one-way delay: 127.874 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 681.47 Mbit/s
95th percentile per-packet one-way delay: 137.543 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 616.89 Mbit/s
95th percentile per-packet one-way delay: 94.350 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 524.44 Mbit/s
95th percentile per-packet one-way delay: 124.440 ms
Loss rate: 0.09%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-11 08:37:56

End at: 2018-08-11 08:38:26

Local clock offset: -0.076 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-08-11 13:00:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 1367.33 Mbit/s

95th percentile per-packet one-way delay: 119.459 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 733.44 Mbit/s

95th percentile per-packet one-way delay: 124.892 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 675.22 Mbit/s

95th percentile per-packet one-way delay: 109.168 ms

Loss rate: 0.00%

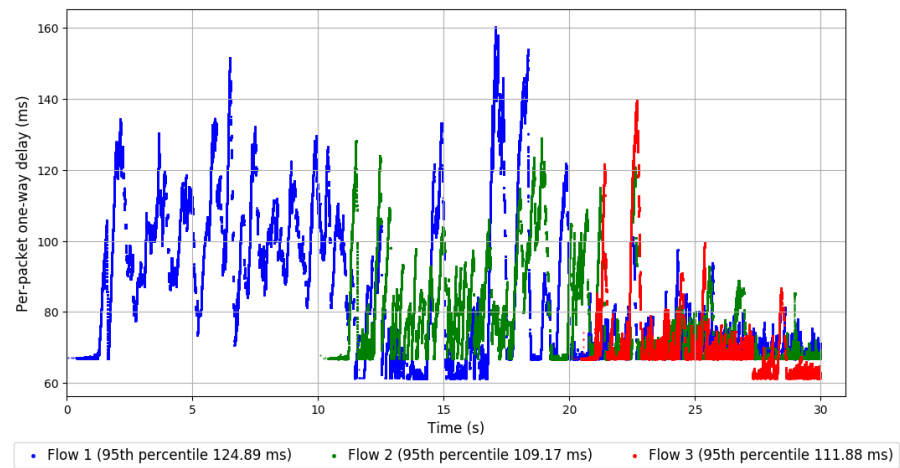
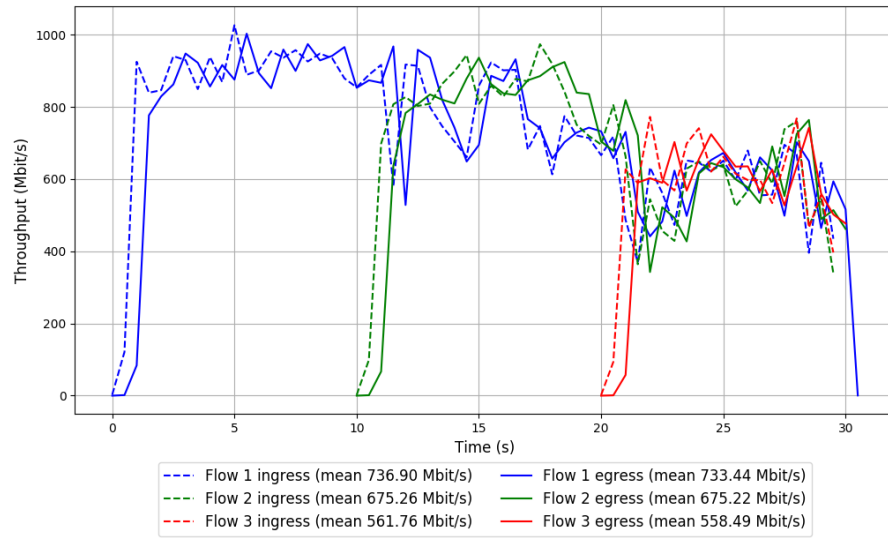
-- Flow 3:

Average throughput: 558.49 Mbit/s

95th percentile per-packet one-way delay: 111.880 ms

Loss rate: 0.64%

Run 5: Report of FillP-Sheep — Data Link

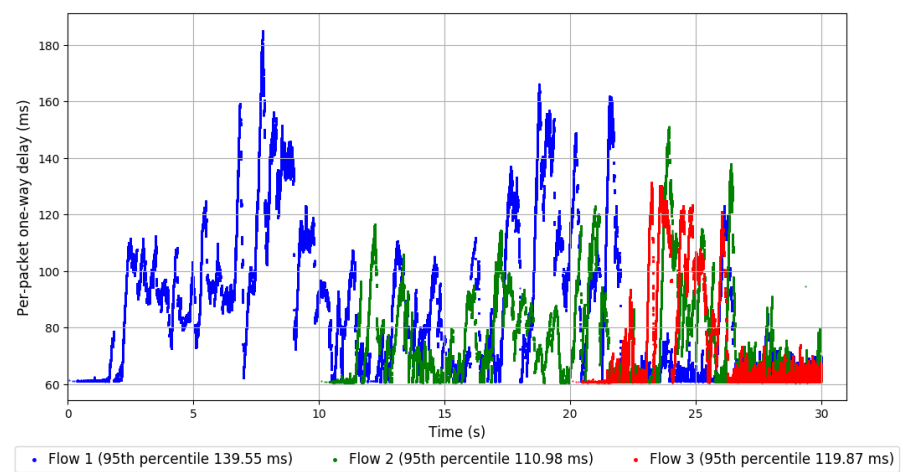
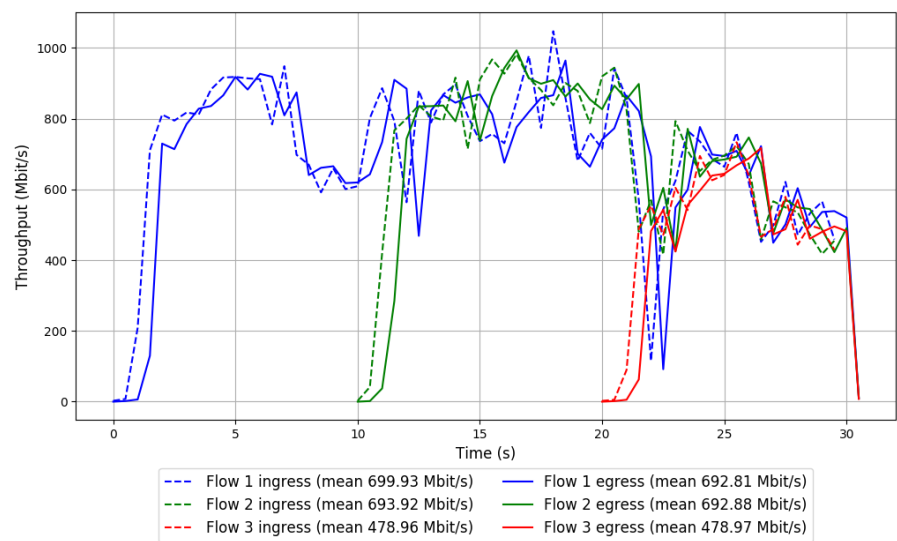


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-11 09:04:02
End at: 2018-08-11 09:04:32
Local clock offset: -0.086 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2018-08-11 13:00:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1311.71 Mbit/s
95th percentile per-packet one-way delay: 127.175 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 692.81 Mbit/s
95th percentile per-packet one-way delay: 139.549 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 692.88 Mbit/s
95th percentile per-packet one-way delay: 110.984 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 478.97 Mbit/s
95th percentile per-packet one-way delay: 119.871 ms
Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link

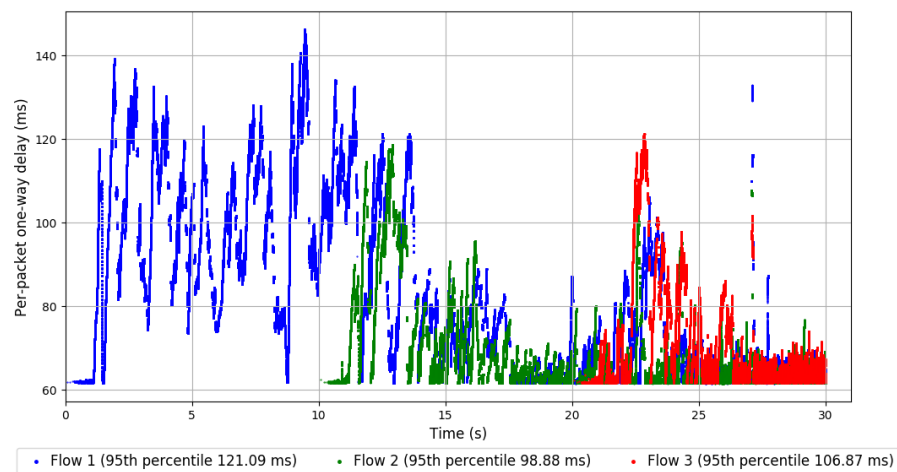
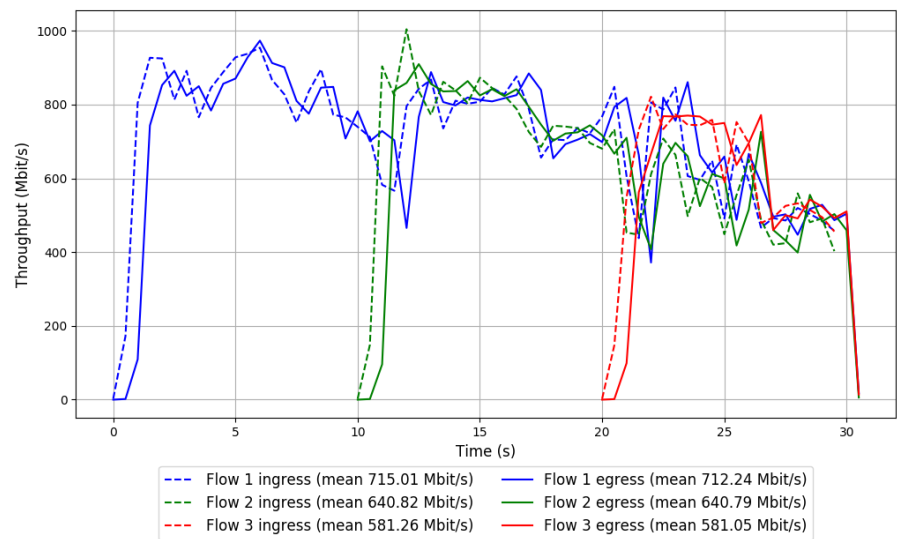


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-11 09:30:41
End at: 2018-08-11 09:31:11
Local clock offset: -0.016 ms
Remote clock offset: 0.545 ms

Below is generated by plot.py at 2018-08-11 13:20:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1331.20 Mbit/s
95th percentile per-packet one-way delay: 116.597 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 712.24 Mbit/s
95th percentile per-packet one-way delay: 121.088 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 640.79 Mbit/s
95th percentile per-packet one-way delay: 98.875 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 581.05 Mbit/s
95th percentile per-packet one-way delay: 106.873 ms
Loss rate: 0.02%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

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

End at: 2018-08-11 09:58:02

Local clock offset: 0.1 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-08-11 13:20:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1273.25 Mbit/s

95th percentile per-packet one-way delay: 120.103 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 696.60 Mbit/s

95th percentile per-packet one-way delay: 124.293 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 615.18 Mbit/s

95th percentile per-packet one-way delay: 118.287 ms

Loss rate: 0.59%

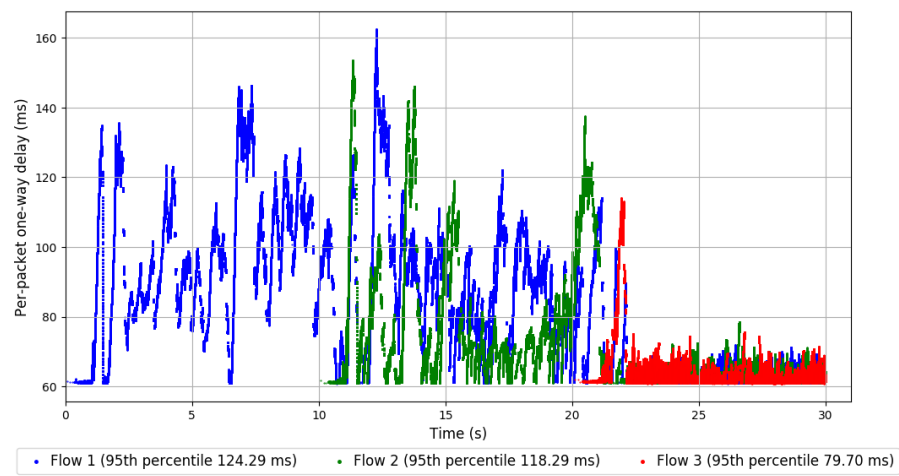
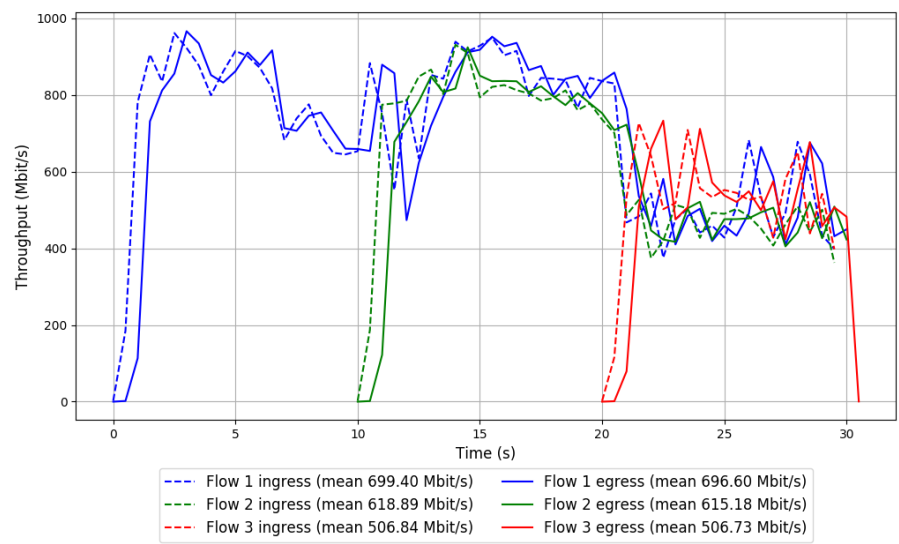
-- Flow 3:

Average throughput: 506.73 Mbit/s

95th percentile per-packet one-way delay: 79.697 ms

Loss rate: 0.02%

Run 8: Report of FillP-Sheep — Data Link

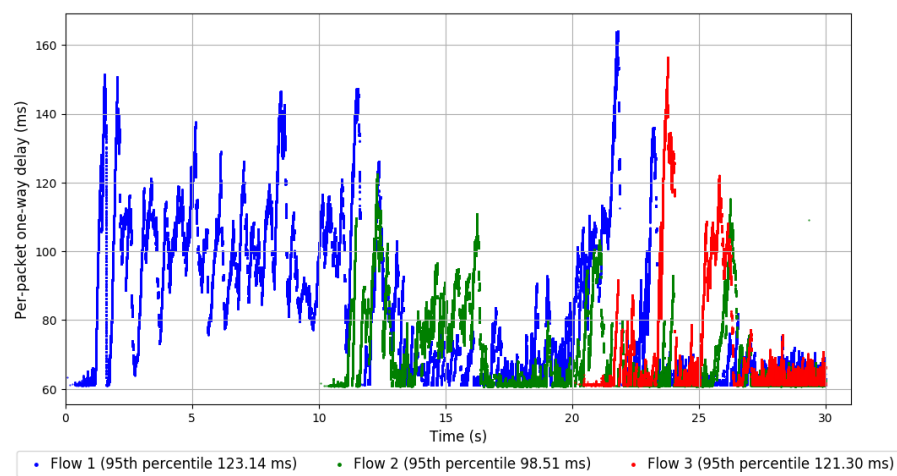
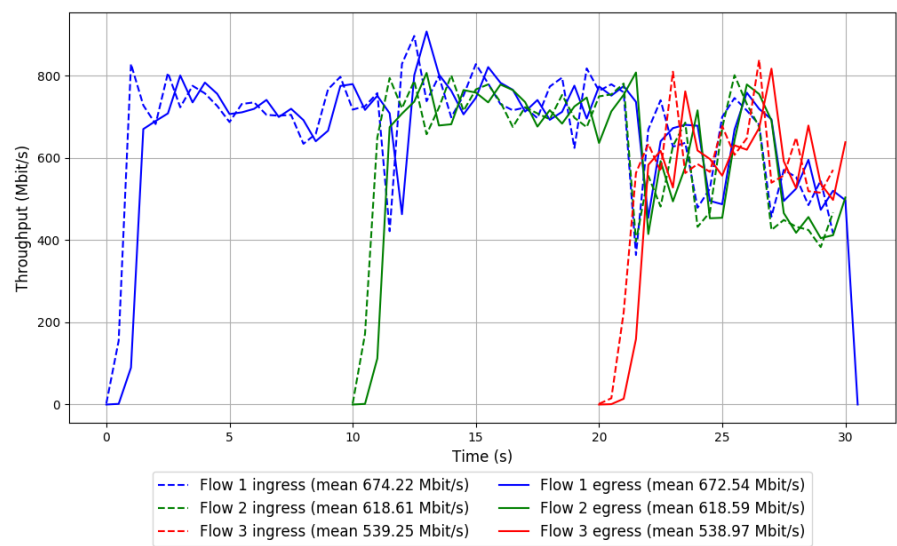


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-11 10:24:27
End at: 2018-08-11 10:24:57
Local clock offset: 0.054 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-08-11 13:20:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1262.05 Mbit/s
95th percentile per-packet one-way delay: 115.784 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 672.54 Mbit/s
95th percentile per-packet one-way delay: 123.136 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 618.59 Mbit/s
95th percentile per-packet one-way delay: 98.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 538.97 Mbit/s
95th percentile per-packet one-way delay: 121.299 ms
Loss rate: 0.05%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-11 10:51:20

End at: 2018-08-11 10:51:50

Local clock offset: -0.085 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-08-11 13:21:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 1296.75 Mbit/s

95th percentile per-packet one-way delay: 133.643 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 694.78 Mbit/s

95th percentile per-packet one-way delay: 126.373 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 623.46 Mbit/s

95th percentile per-packet one-way delay: 150.810 ms

Loss rate: 1.29%

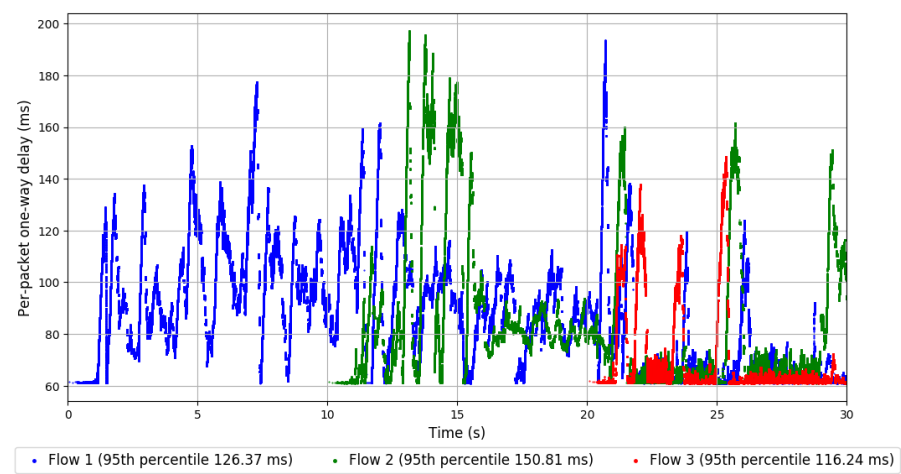
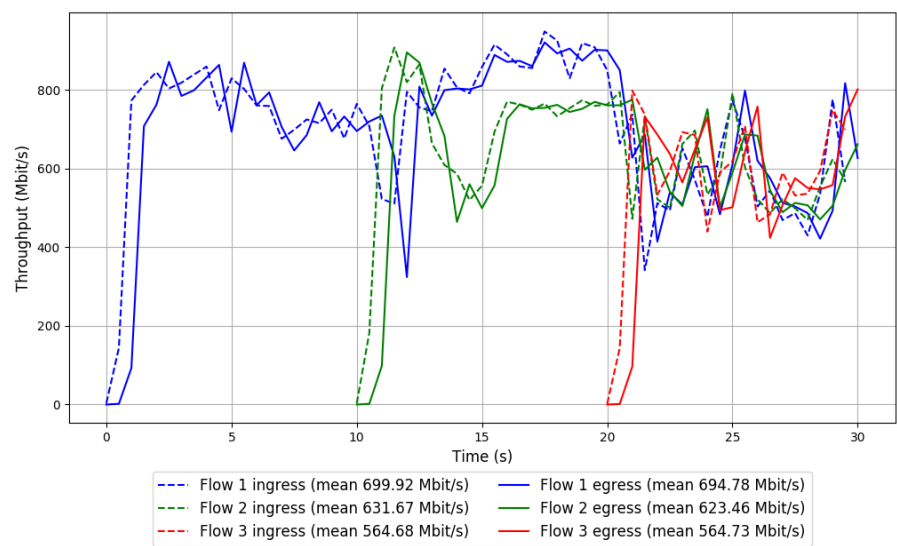
-- Flow 3:

Average throughput: 564.73 Mbit/s

95th percentile per-packet one-way delay: 116.237 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

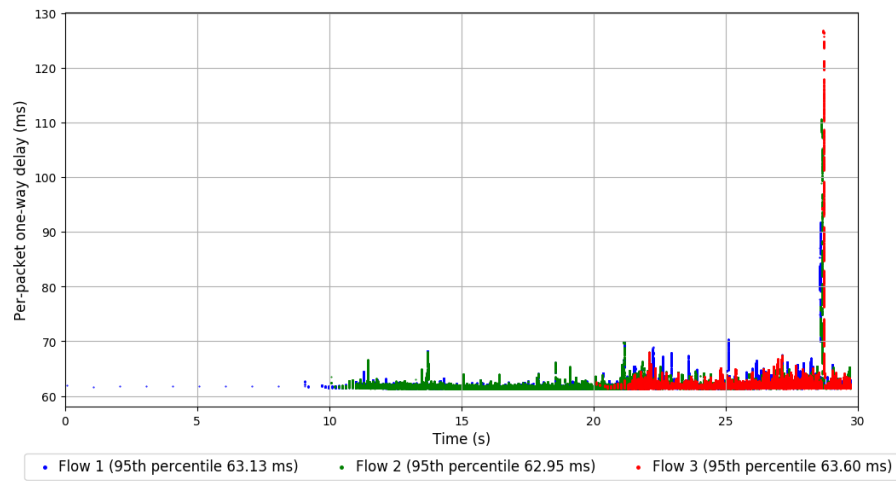
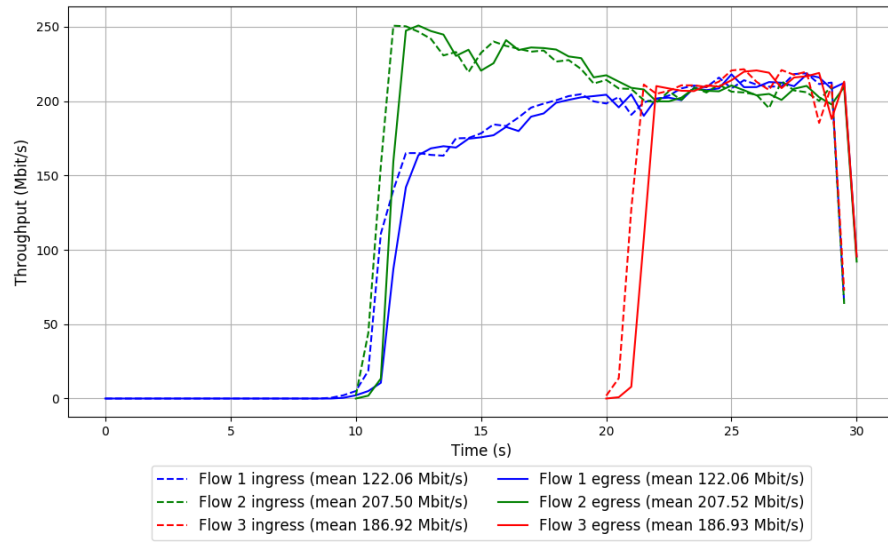


```
Run 1: Statistics of Indigo

Start at: 2018-08-11 07:04:11
End at: 2018-08-11 07:04:41
Local clock offset: -0.176 ms
Remote clock offset: 0.536 ms

# Below is generated by plot.py at 2018-08-11 13:21:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 320.15 Mbit/s
95th percentile per-packet one-way delay: 63.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.06 Mbit/s
95th percentile per-packet one-way delay: 63.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 207.52 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 186.93 Mbit/s
95th percentile per-packet one-way delay: 63.601 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

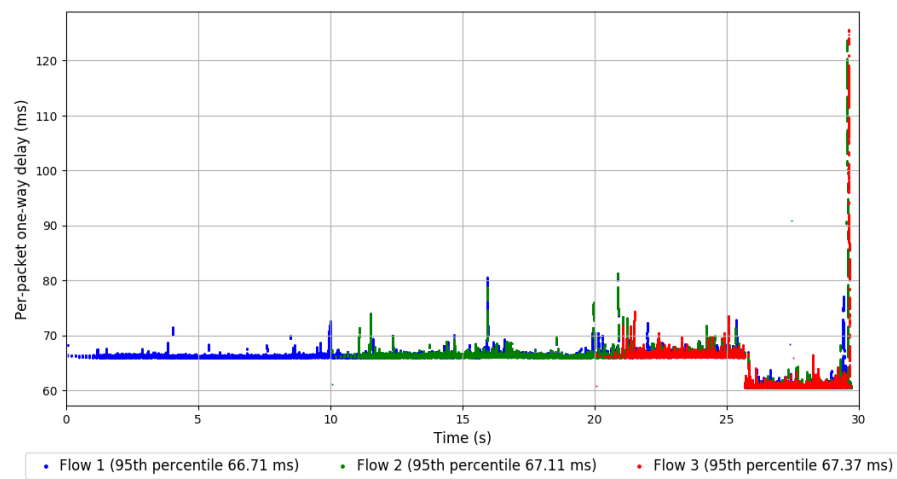
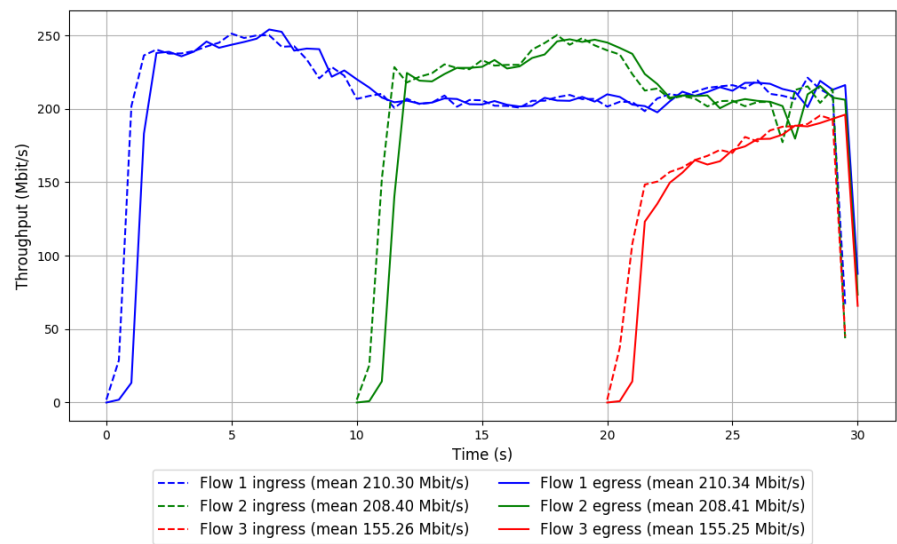


Run 2: Statistics of Indigo

Start at: 2018-08-11 07:29:57
End at: 2018-08-11 07:30:27
Local clock offset: -0.09 ms
Remote clock offset: -0.665 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.71 Mbit/s
95th percentile per-packet one-way delay: 66.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.34 Mbit/s
95th percentile per-packet one-way delay: 66.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 208.41 Mbit/s
95th percentile per-packet one-way delay: 67.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 155.25 Mbit/s
95th percentile per-packet one-way delay: 67.367 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-11 07:55:45

End at: 2018-08-11 07:56:15

Local clock offset: -0.116 ms

Remote clock offset: 0.518 ms

Below is generated by plot.py at 2018-08-11 13:21:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 390.31 Mbit/s

95th percentile per-packet one-way delay: 68.453 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 208.46 Mbit/s

95th percentile per-packet one-way delay: 68.201 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 194.88 Mbit/s

95th percentile per-packet one-way delay: 68.713 ms

Loss rate: 0.02%

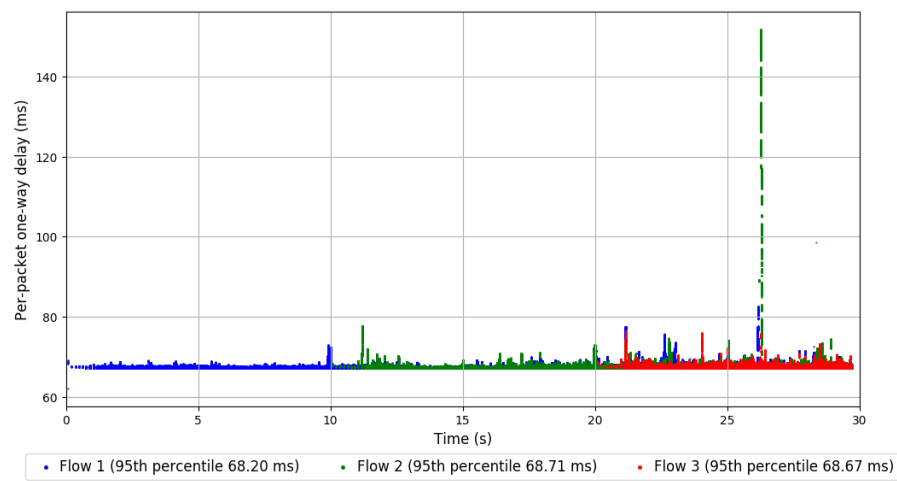
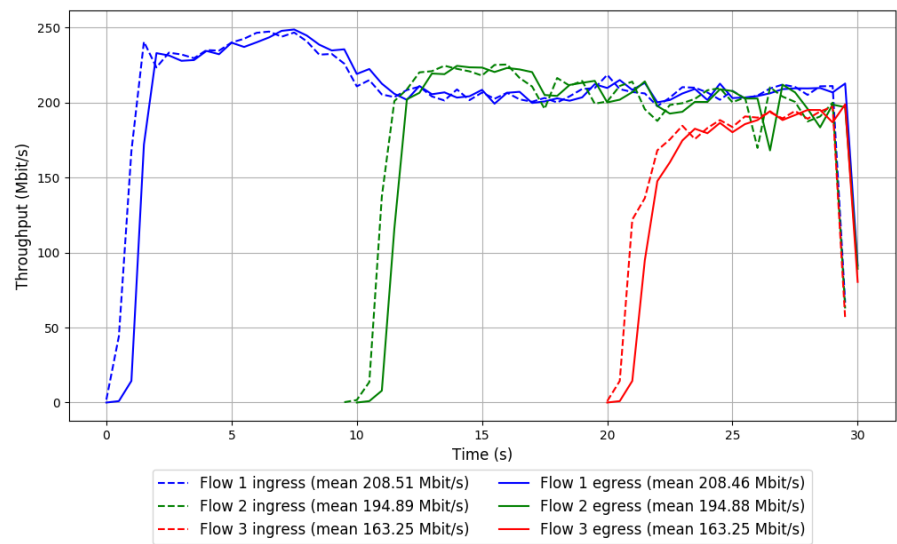
-- Flow 3:

Average throughput: 163.25 Mbit/s

95th percentile per-packet one-way delay: 68.672 ms

Loss rate: 0.04%

Run 3: Report of Indigo — Data Link

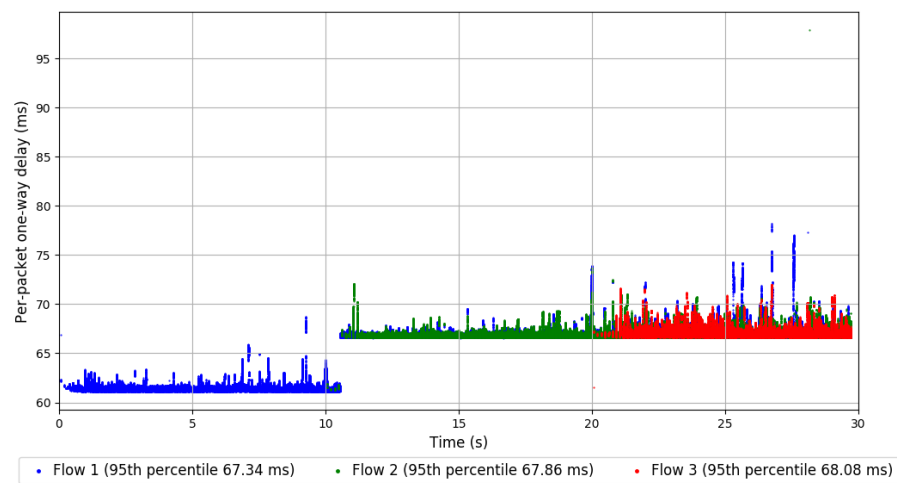
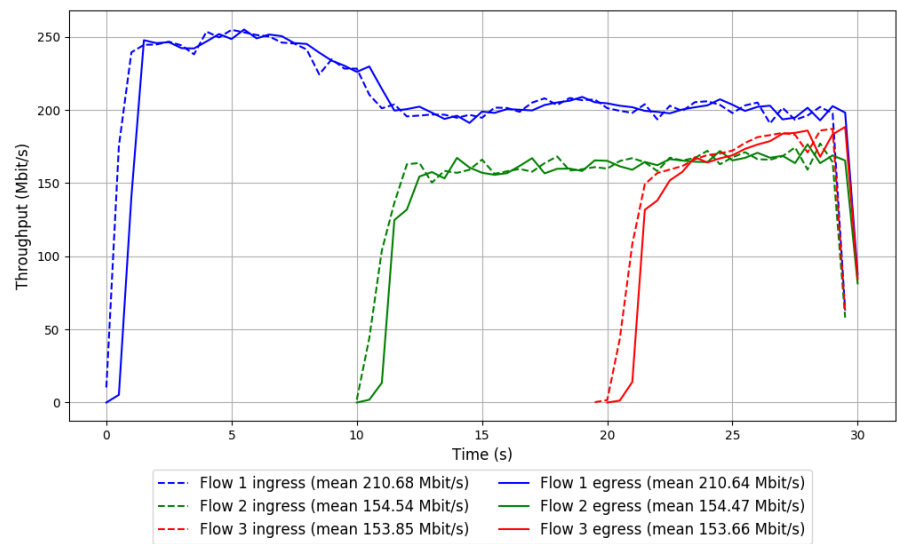


Run 4: Statistics of Indigo

Start at: 2018-08-11 08:21:22
End at: 2018-08-11 08:21:52
Local clock offset: -0.055 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.02 Mbit/s
95th percentile per-packet one-way delay: 67.640 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 210.64 Mbit/s
95th percentile per-packet one-way delay: 67.342 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 154.47 Mbit/s
95th percentile per-packet one-way delay: 67.862 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 153.66 Mbit/s
95th percentile per-packet one-way delay: 68.082 ms
Loss rate: 0.12%

Run 4: Report of Indigo — Data Link

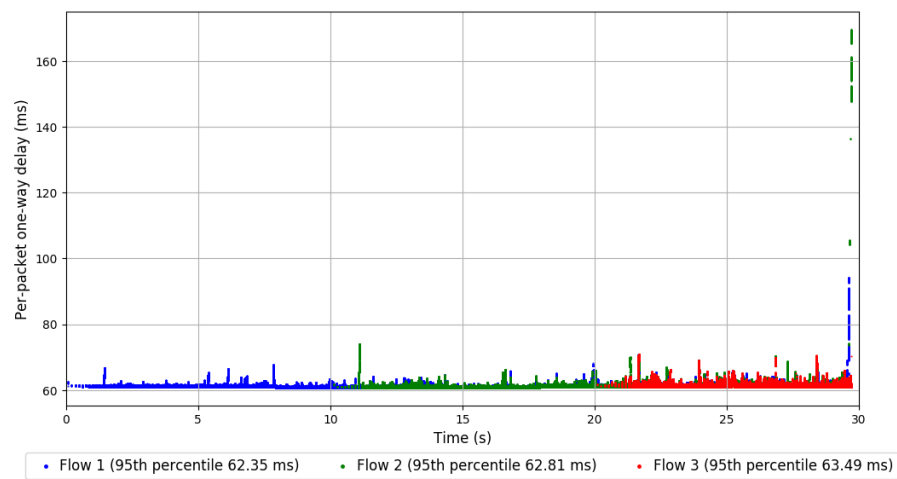
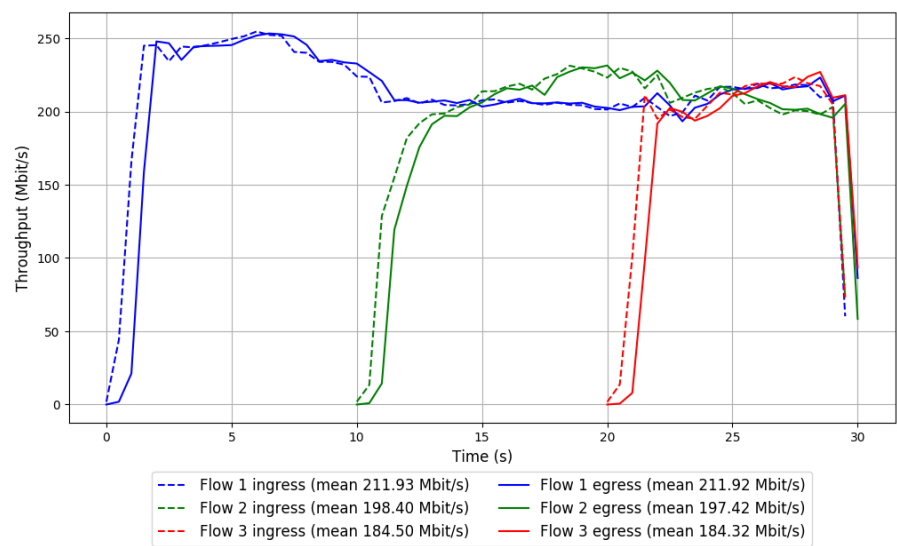


Run 5: Statistics of Indigo

Start at: 2018-08-11 08:46:55
End at: 2018-08-11 08:47:25
Local clock offset: -0.065 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.93 Mbit/s
95th percentile per-packet one-way delay: 62.725 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 211.92 Mbit/s
95th percentile per-packet one-way delay: 62.355 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.42 Mbit/s
95th percentile per-packet one-way delay: 62.813 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 184.32 Mbit/s
95th percentile per-packet one-way delay: 63.494 ms
Loss rate: 0.09%

Run 5: Report of Indigo — Data Link

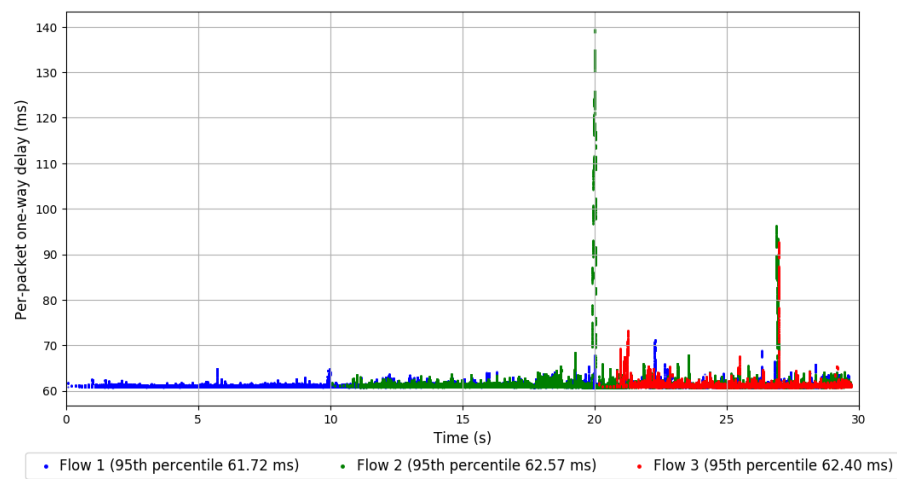
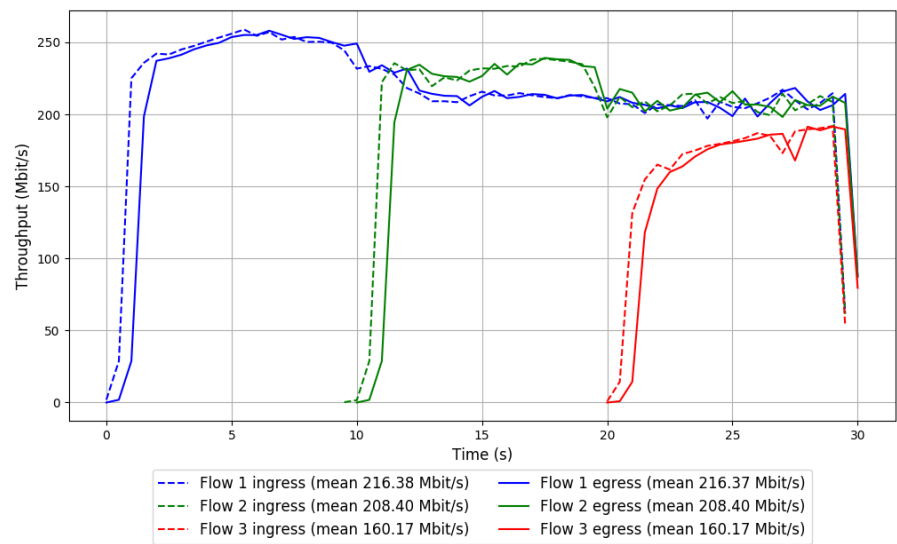


Run 6: Statistics of Indigo

Start at: 2018-08-11 09:13:04
End at: 2018-08-11 09:13:34
Local clock offset: -0.093 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.04 Mbit/s
95th percentile per-packet one-way delay: 62.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.37 Mbit/s
95th percentile per-packet one-way delay: 61.721 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 208.40 Mbit/s
95th percentile per-packet one-way delay: 62.573 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 160.17 Mbit/s
95th percentile per-packet one-way delay: 62.402 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

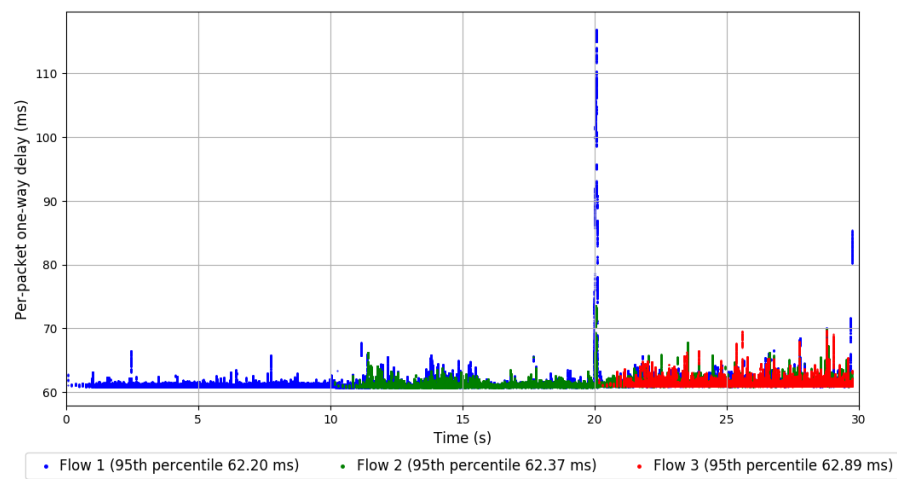
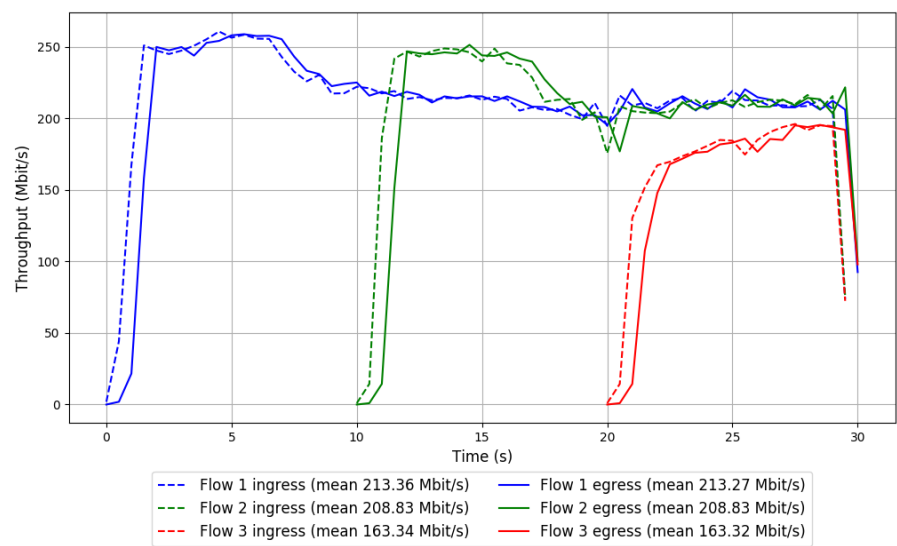


Run 7: Statistics of Indigo

Start at: 2018-08-11 09:39:53
End at: 2018-08-11 09:40:23
Local clock offset: 0.002 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.72 Mbit/s
95th percentile per-packet one-way delay: 62.374 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 213.27 Mbit/s
95th percentile per-packet one-way delay: 62.199 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 208.83 Mbit/s
95th percentile per-packet one-way delay: 62.370 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 163.32 Mbit/s
95th percentile per-packet one-way delay: 62.891 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

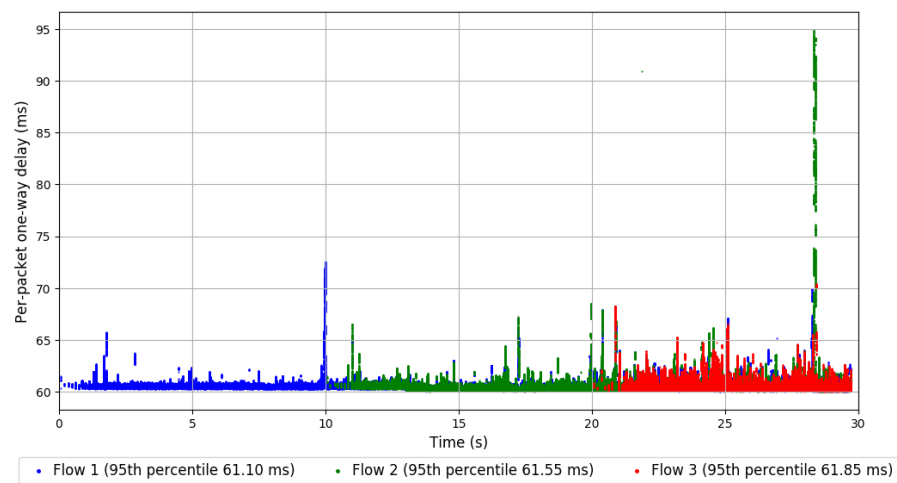
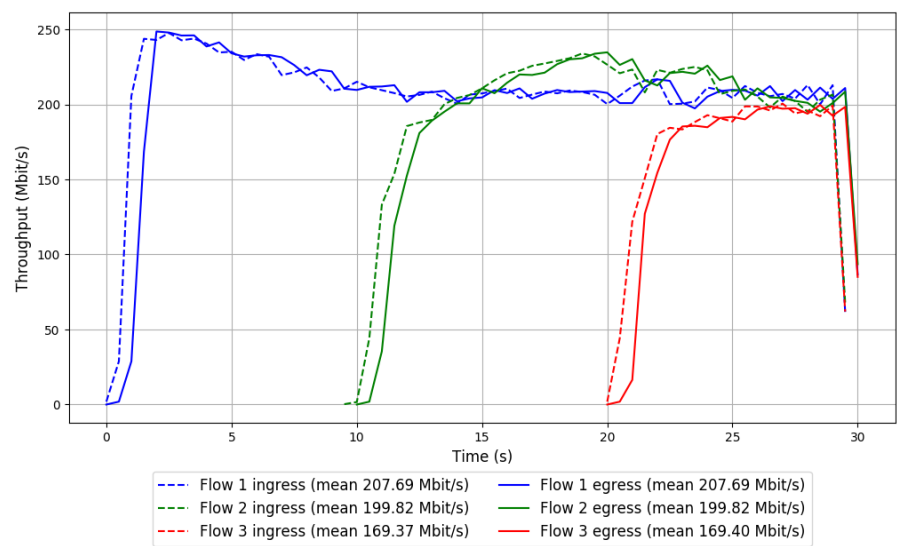


Run 8: Statistics of Indigo

Start at: 2018-08-11 10:06:50
End at: 2018-08-11 10:07:20
Local clock offset: 0.042 ms
Remote clock offset: -0.745 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.19 Mbit/s
95th percentile per-packet one-way delay: 61.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.69 Mbit/s
95th percentile per-packet one-way delay: 61.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 199.82 Mbit/s
95th percentile per-packet one-way delay: 61.547 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.40 Mbit/s
95th percentile per-packet one-way delay: 61.854 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-11 10:33:26

End at: 2018-08-11 10:33:56

Local clock offset: 0.054 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-08-11 13:21:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.33 Mbit/s

95th percentile per-packet one-way delay: 63.618 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 216.26 Mbit/s

95th percentile per-packet one-way delay: 63.310 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 178.94 Mbit/s

95th percentile per-packet one-way delay: 64.398 ms

Loss rate: 0.00%

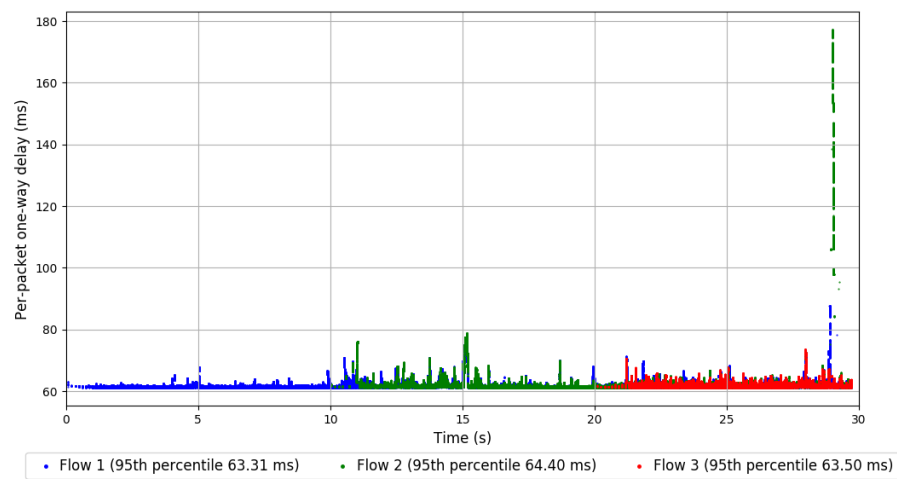
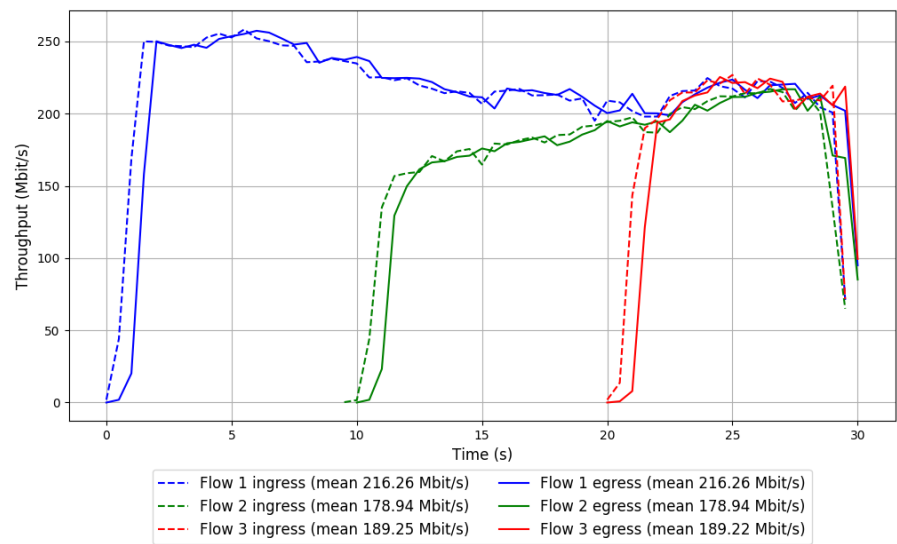
-- Flow 3:

Average throughput: 189.22 Mbit/s

95th percentile per-packet one-way delay: 63.497 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-11 11:00:26

End at: 2018-08-11 11:00:56

Local clock offset: -0.005 ms

Remote clock offset: 0.726 ms

Below is generated by plot.py at 2018-08-11 13:21:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.45 Mbit/s

95th percentile per-packet one-way delay: 63.734 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 219.35 Mbit/s

95th percentile per-packet one-way delay: 63.435 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 200.37 Mbit/s

95th percentile per-packet one-way delay: 63.950 ms

Loss rate: 0.00%

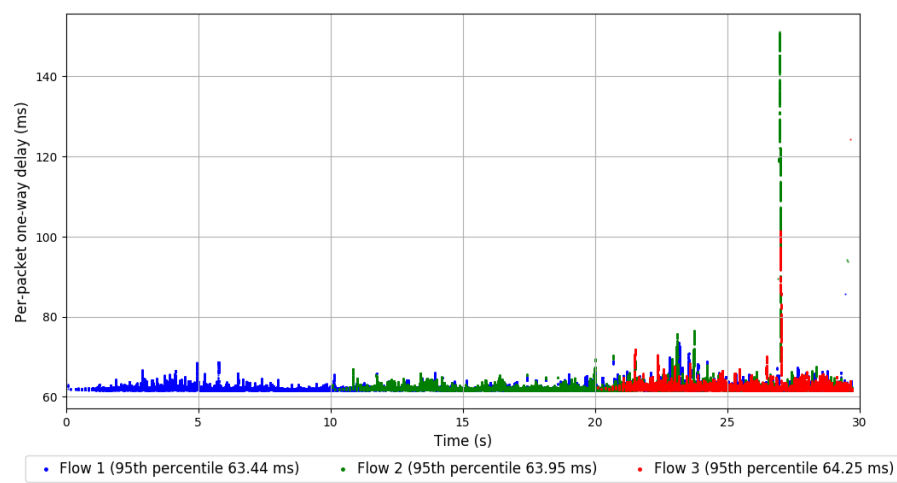
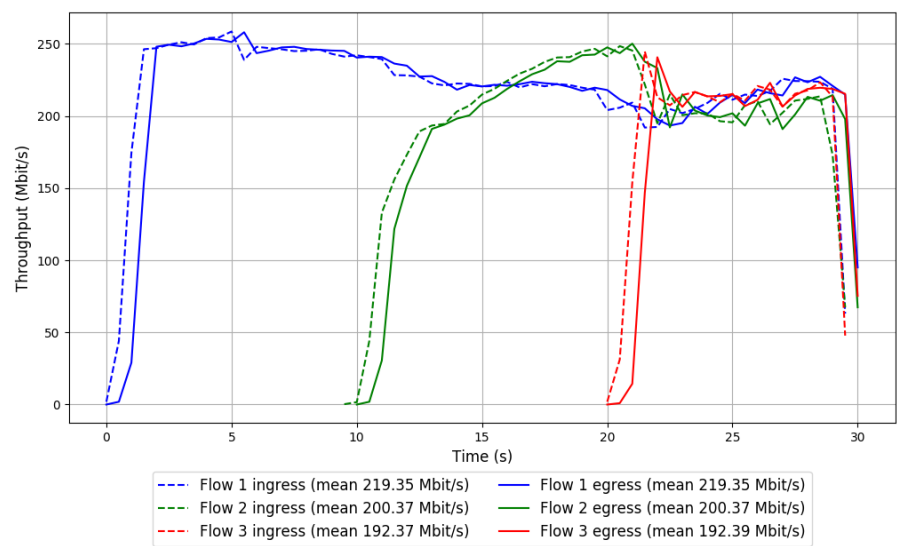
-- Flow 3:

Average throughput: 192.39 Mbit/s

95th percentile per-packet one-way delay: 64.254 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

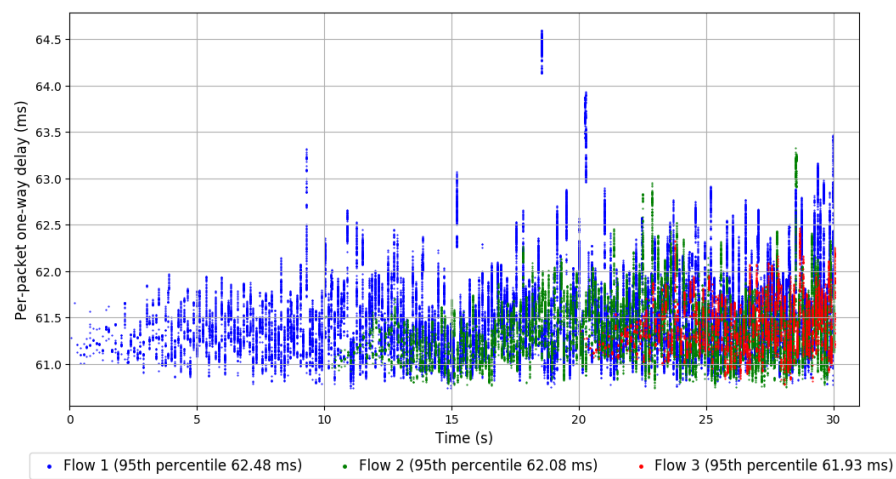
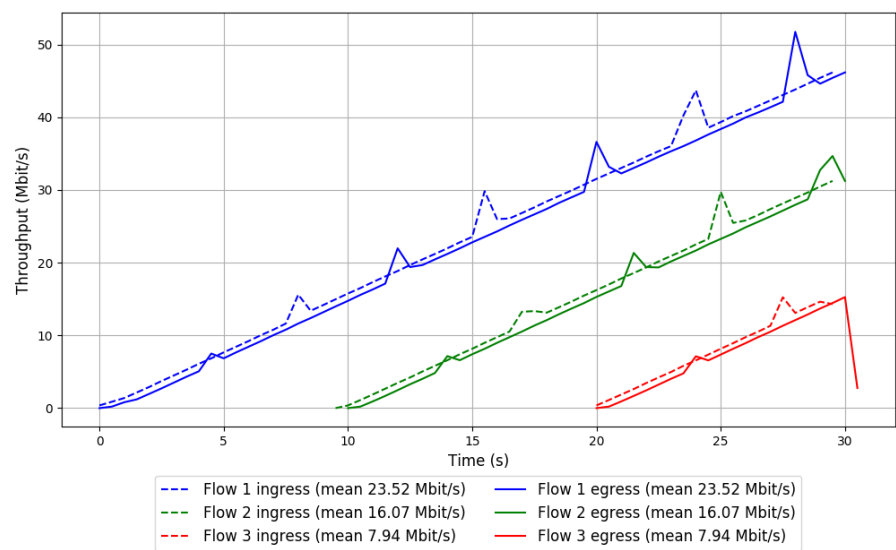


Run 1: Statistics of LEDBAT

Start at: 2018-08-11 06:50:23
End at: 2018-08-11 06:50:53
Local clock offset: -0.091 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 62.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 62.480 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 62.077 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 61.934 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

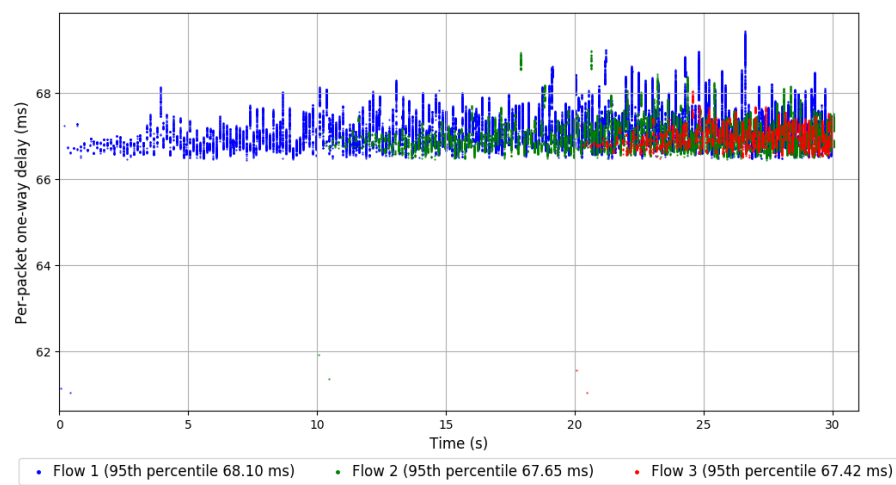
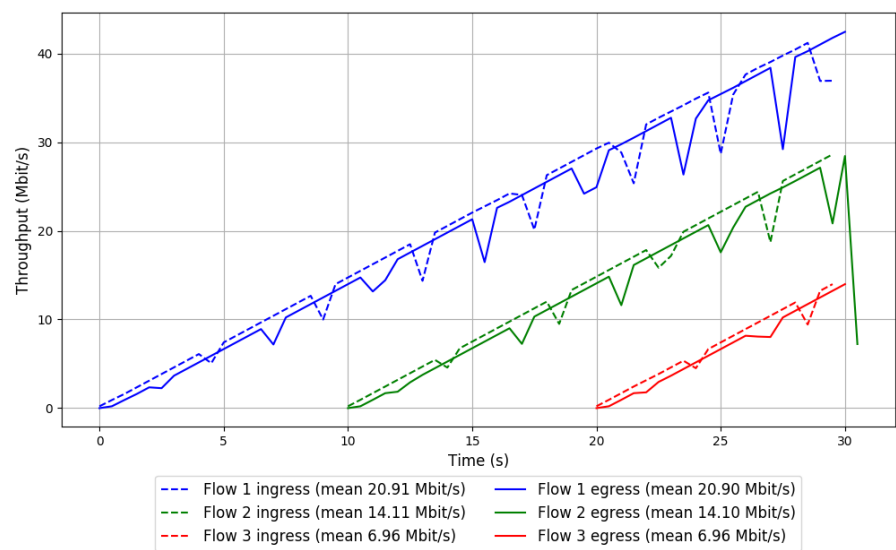


Run 2: Statistics of LEDBAT

Start at: 2018-08-11 07:16:27
End at: 2018-08-11 07:16:57
Local clock offset: -0.001 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 67.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.90 Mbit/s
95th percentile per-packet one-way delay: 68.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.10 Mbit/s
95th percentile per-packet one-way delay: 67.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 67.416 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

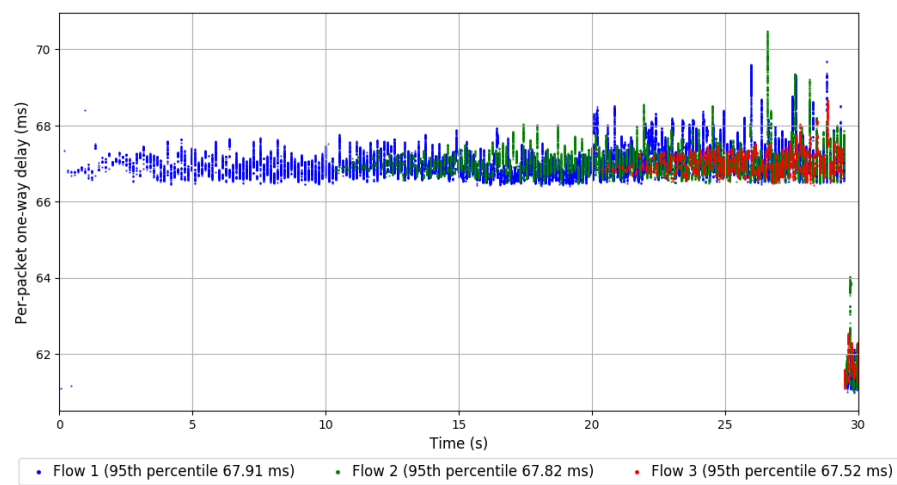
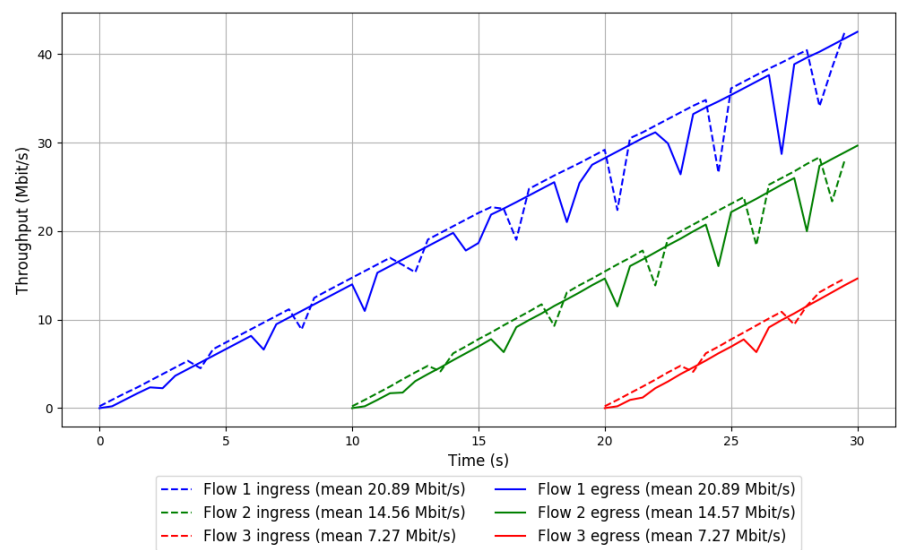


Run 3: Statistics of LEDBAT

Start at: 2018-08-11 07:42:34
End at: 2018-08-11 07:43:04
Local clock offset: -0.062 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 67.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 67.909 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 67.823 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 67.515 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

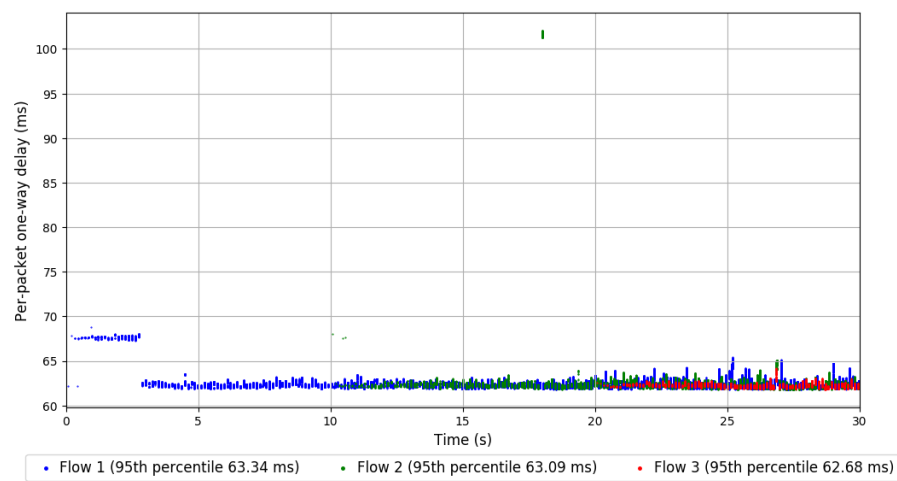
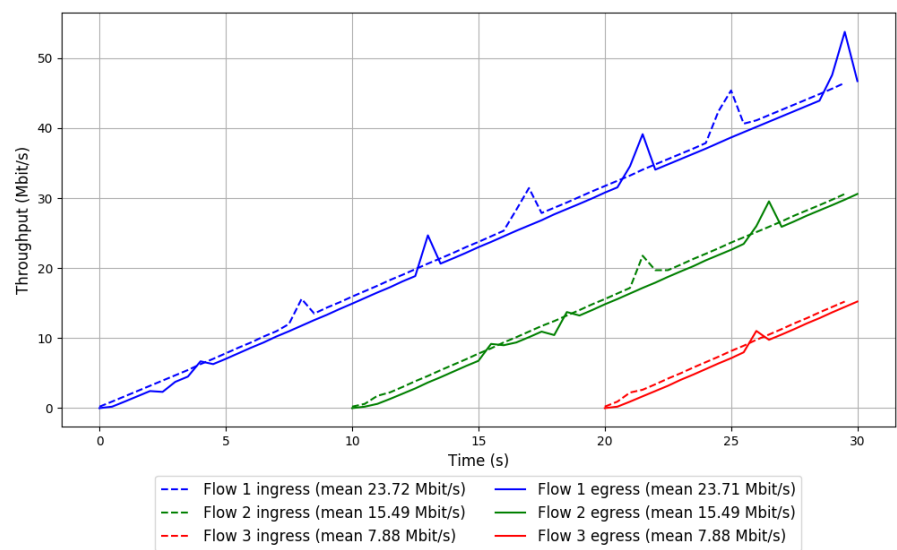


Run 4: Statistics of LEDBAT

Start at: 2018-08-11 08:08:00
End at: 2018-08-11 08:08:30
Local clock offset: -0.079 ms
Remote clock offset: 0.628 ms

```
# Below is generated by plot.py at 2018-08-11 13:21:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 63.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 63.345 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 63.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 62.682 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

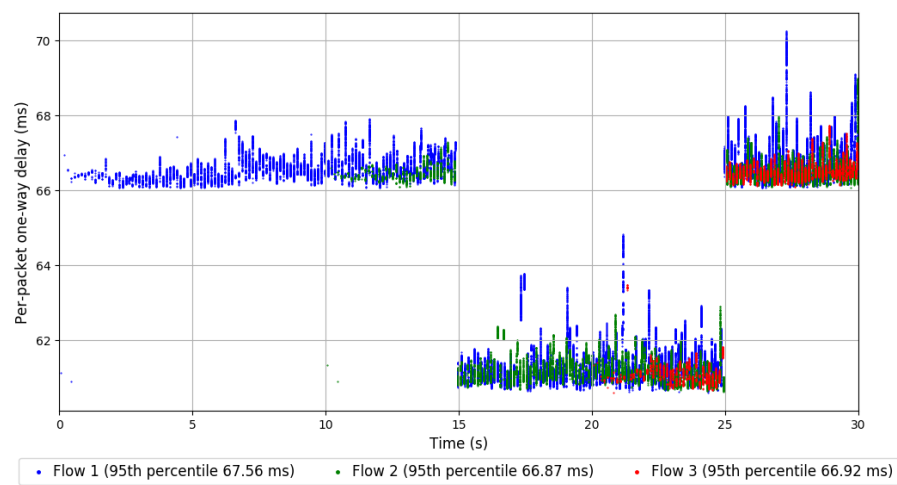
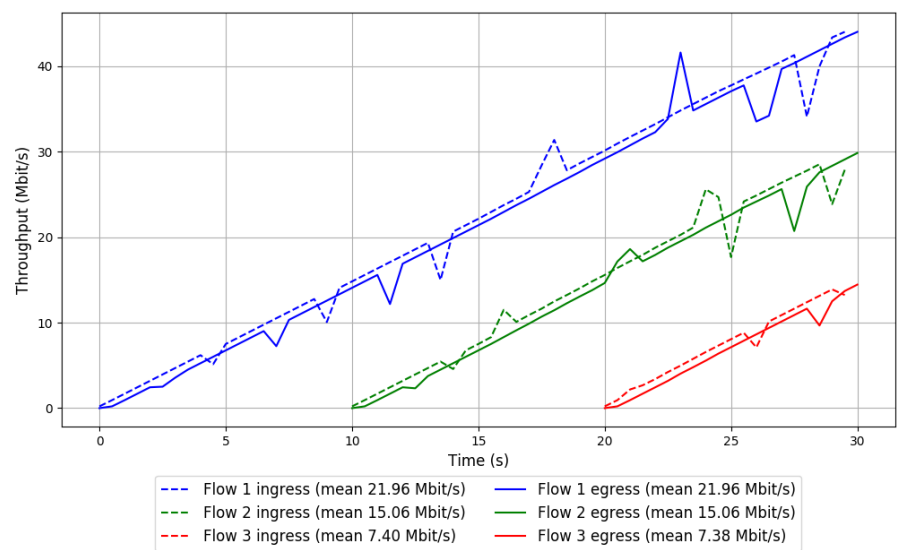


Run 5: Statistics of LEDBAT

Start at: 2018-08-11 08:33:38
End at: 2018-08-11 08:34:08
Local clock offset: -0.13 ms
Remote clock offset: -0.678 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 67.367 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 67.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.38 Mbit/s
95th percentile per-packet one-way delay: 66.923 ms
Loss rate: 1.57%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-11 08:59:29

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

Local clock offset: -0.054 ms

Remote clock offset: -0.86 ms

Below is generated by plot.py at 2018-08-11 13:21:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.66 Mbit/s

95th percentile per-packet one-way delay: 61.777 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 61.882 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.12 Mbit/s

95th percentile per-packet one-way delay: 61.555 ms

Loss rate: 0.00%

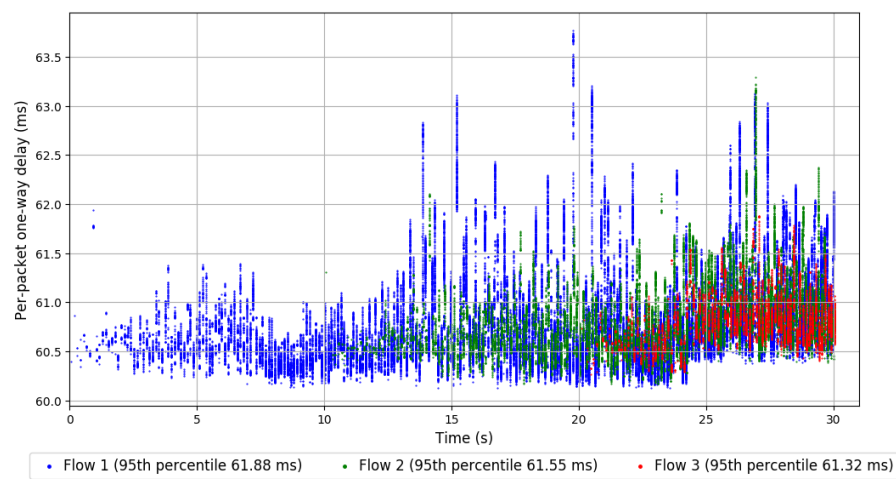
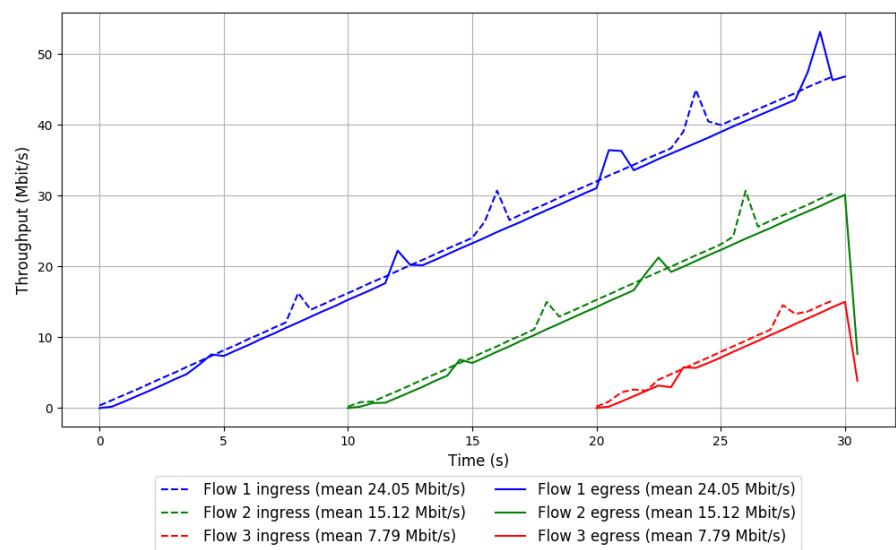
-- Flow 3:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 61.316 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

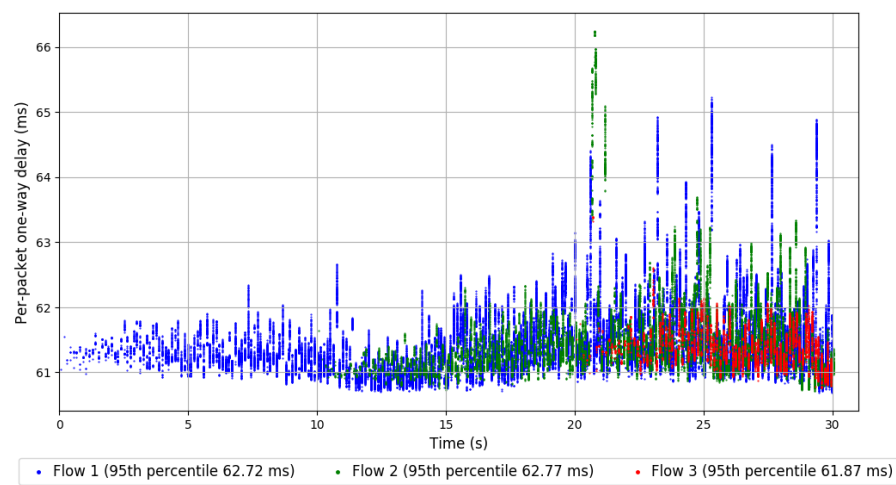
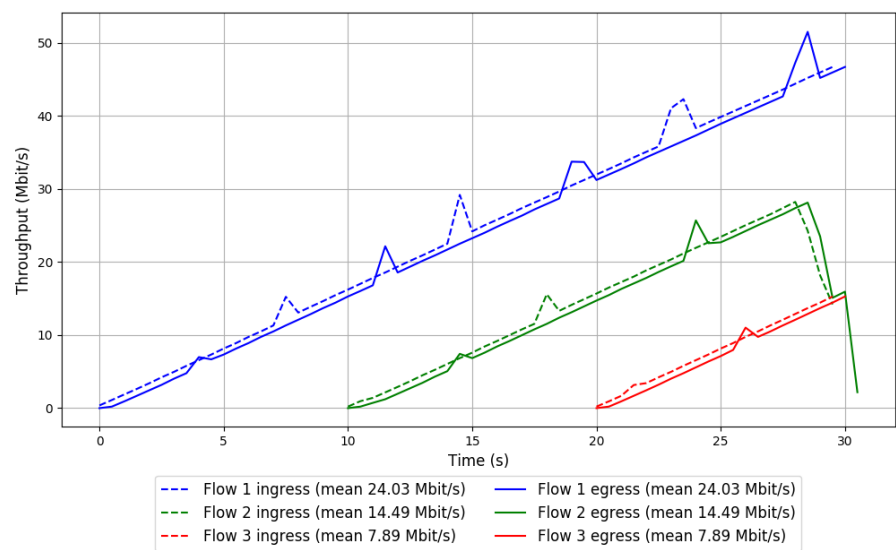


Run 7: Statistics of LEDBAT

Start at: 2018-08-11 09:26:05
End at: 2018-08-11 09:26:35
Local clock offset: -0.102 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 62.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 62.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 62.771 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 61.867 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

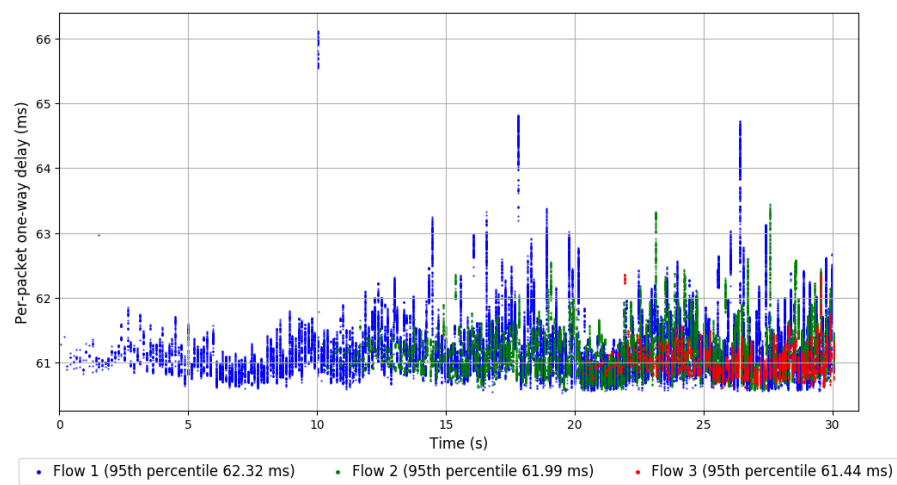
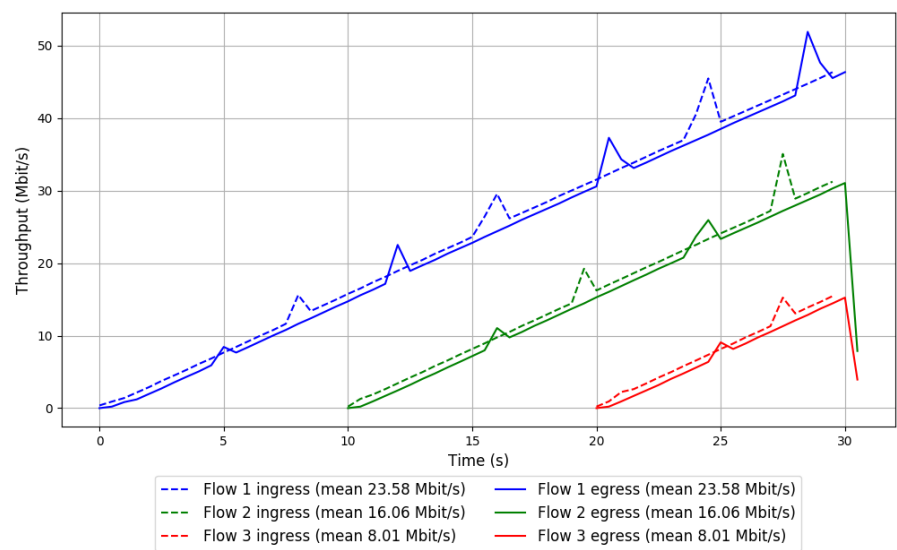


Run 8: Statistics of LEDBAT

Start at: 2018-08-11 09:52:49
End at: 2018-08-11 09:53:19
Local clock offset: 0.004 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 62.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 62.324 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 61.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 61.435 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-11 10:19:42

End at: 2018-08-11 10:20:12

Local clock offset: -0.05 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-08-11 13:21:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.30 Mbit/s

95th percentile per-packet one-way delay: 62.931 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.01 Mbit/s

95th percentile per-packet one-way delay: 62.975 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.06 Mbit/s

95th percentile per-packet one-way delay: 62.996 ms

Loss rate: 0.00%

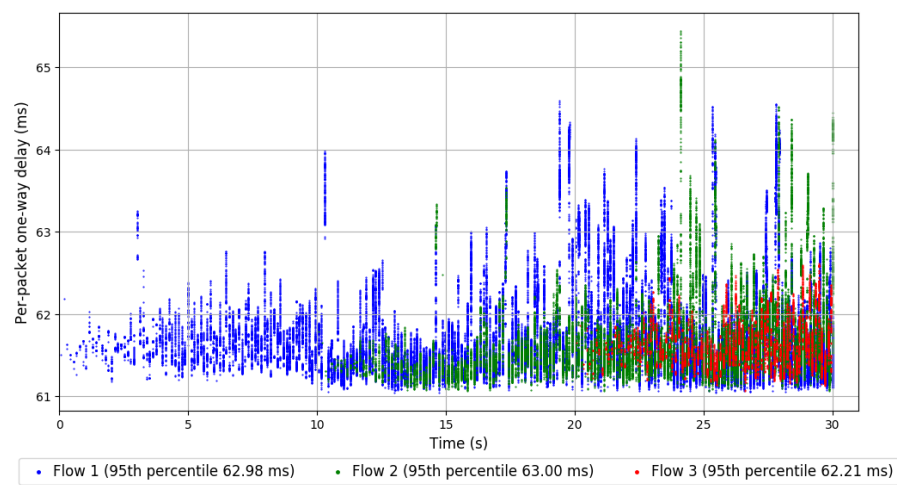
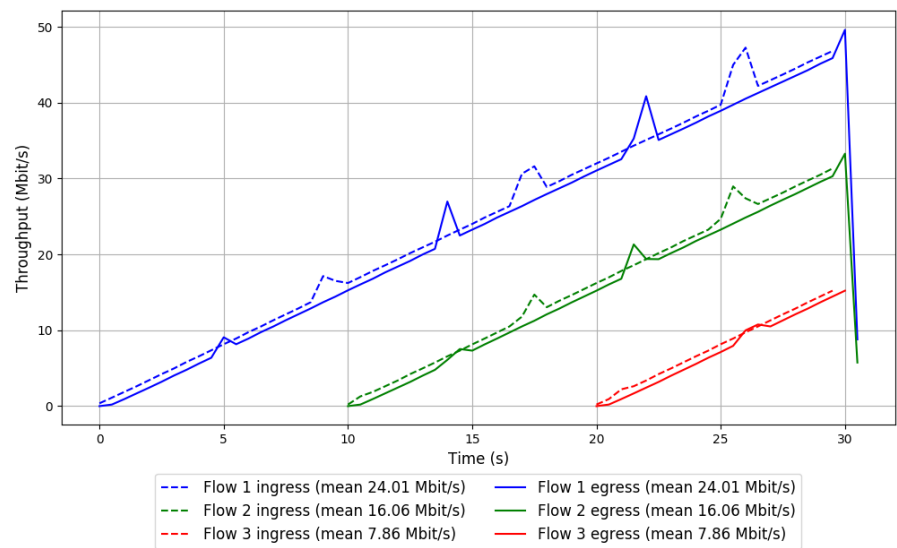
-- Flow 3:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 62.206 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

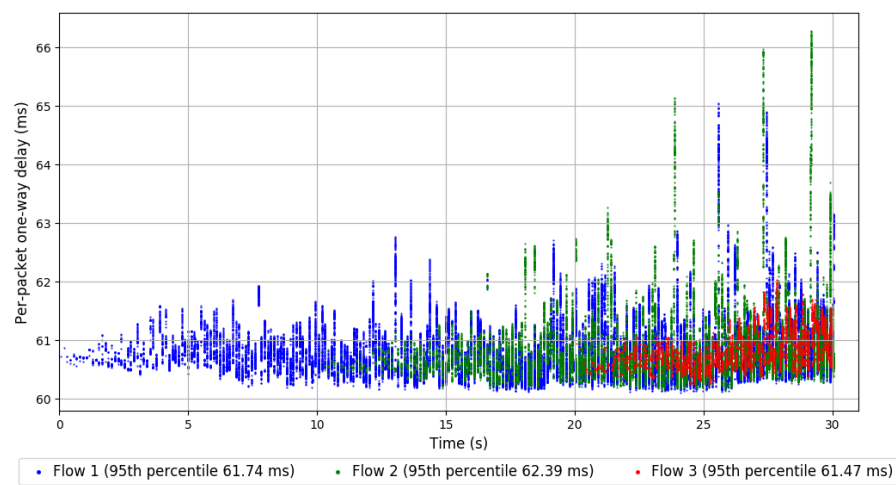
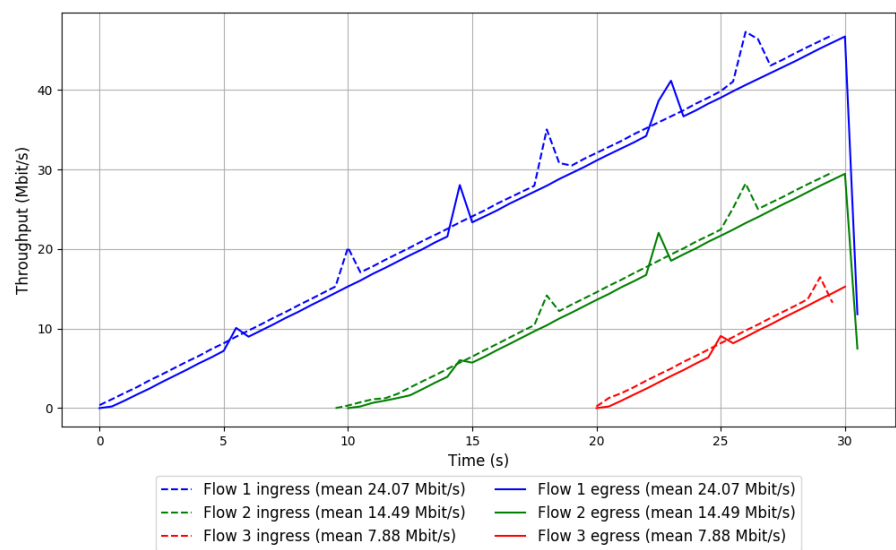


Run 10: Statistics of LEDBAT

Start at: 2018-08-11 10:46:37
End at: 2018-08-11 10:47:07
Local clock offset: -0.062 ms
Remote clock offset: -0.853 ms

Below is generated by plot.py at 2018-08-11 13:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.32 Mbit/s
95th percentile per-packet one-way delay: 61.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 61.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 62.392 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 61.470 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-11 06:47:40

End at: 2018-08-11 06:48:10

Local clock offset: -0.14 ms

Remote clock offset: 0.582 ms

Below is generated by plot.py at 2018-08-11 13:28:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 660.99 Mbit/s

95th percentile per-packet one-way delay: 195.271 ms

Loss rate: 1.76%

-- Flow 1:

Average throughput: 535.82 Mbit/s

95th percentile per-packet one-way delay: 206.457 ms

Loss rate: 1.87%

-- Flow 2:

Average throughput: 126.99 Mbit/s

95th percentile per-packet one-way delay: 152.067 ms

Loss rate: 0.86%

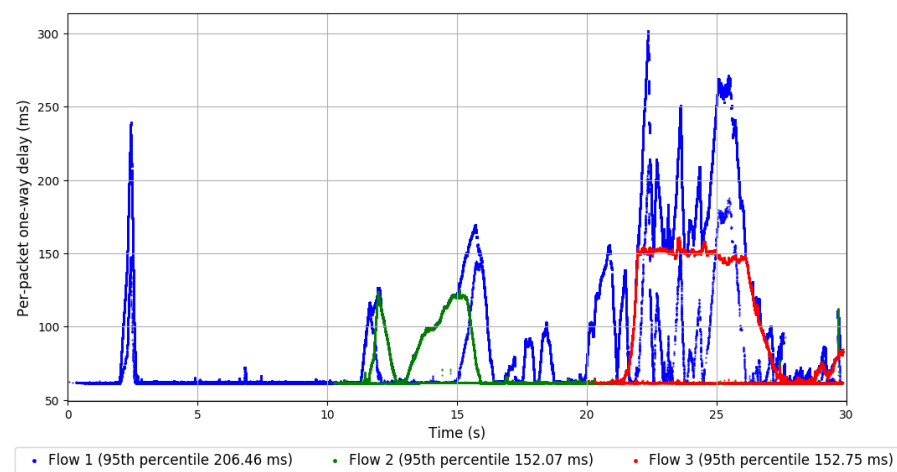
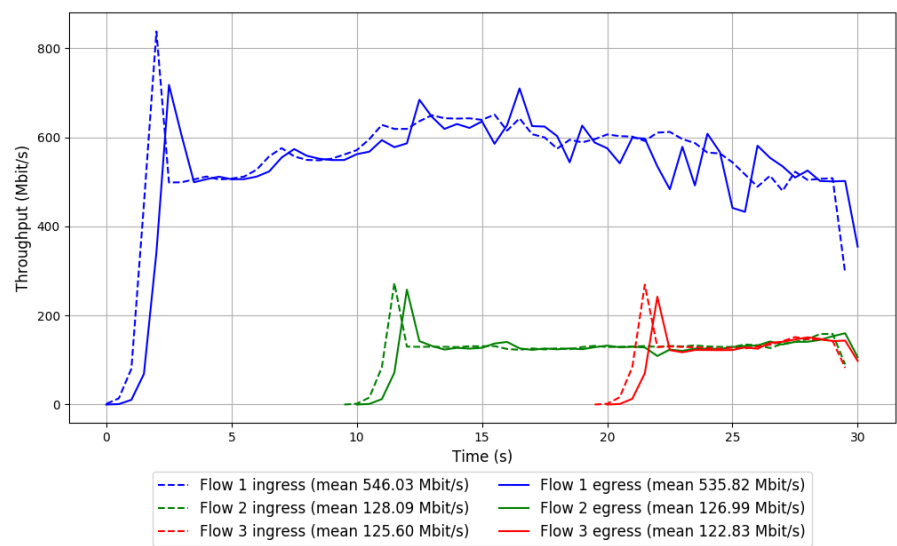
-- Flow 3:

Average throughput: 122.83 Mbit/s

95th percentile per-packet one-way delay: 152.749 ms

Loss rate: 2.19%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-11 07:13:43

End at: 2018-08-11 07:14:13

Local clock offset: -0.092 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-08-11 13:29:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 693.92 Mbit/s

95th percentile per-packet one-way delay: 200.370 ms

Loss rate: 3.05%

-- Flow 1:

Average throughput: 527.77 Mbit/s

95th percentile per-packet one-way delay: 210.444 ms

Loss rate: 3.19%

-- Flow 2:

Average throughput: 247.80 Mbit/s

95th percentile per-packet one-way delay: 158.477 ms

Loss rate: 2.62%

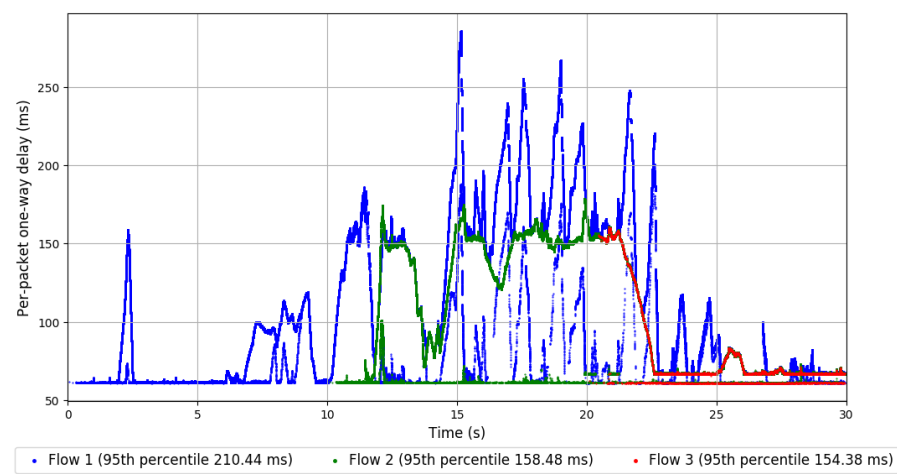
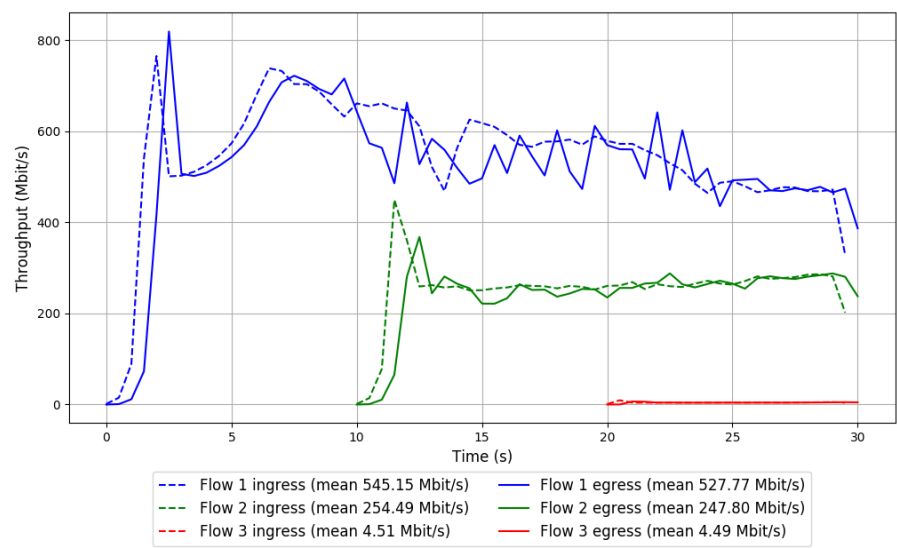
-- Flow 3:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 154.375 ms

Loss rate: 0.49%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-11 07:39:50

End at: 2018-08-11 07:40:21

Local clock offset: -0.027 ms

Remote clock offset: 1.28 ms

Below is generated by plot.py at 2018-08-11 13:29:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 658.70 Mbit/s

95th percentile per-packet one-way delay: 170.882 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 474.40 Mbit/s

95th percentile per-packet one-way delay: 189.118 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 246.34 Mbit/s

95th percentile per-packet one-way delay: 138.937 ms

Loss rate: 0.39%

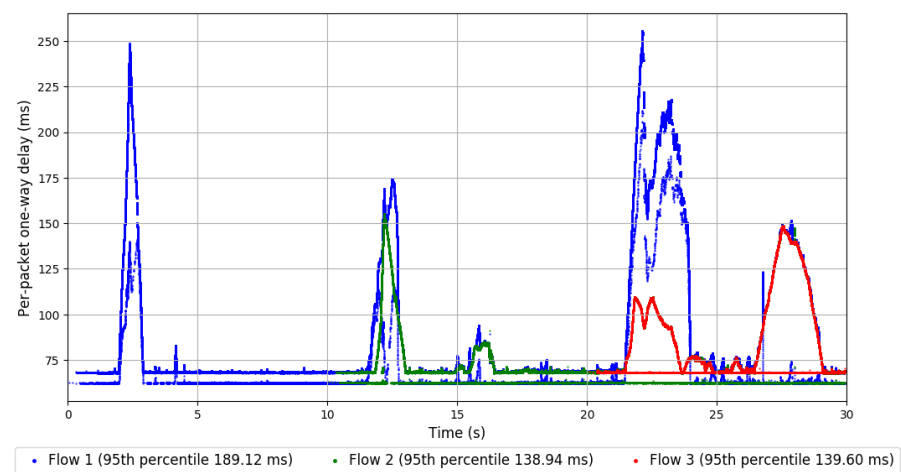
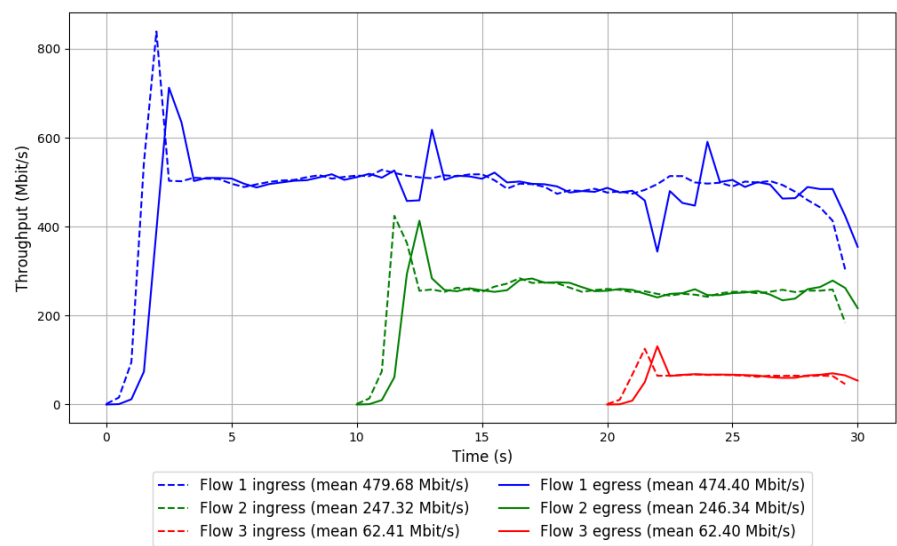
-- Flow 3:

Average throughput: 62.40 Mbit/s

95th percentile per-packet one-way delay: 139.604 ms

Loss rate: 0.06%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-11 08:05:19

End at: 2018-08-11 08:05:49

Local clock offset: -0.057 ms

Remote clock offset: 0.545 ms

Below is generated by plot.py at 2018-08-11 13:29:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 624.42 Mbit/s

95th percentile per-packet one-way delay: 230.651 ms

Loss rate: 2.98%

-- Flow 1:

Average throughput: 500.47 Mbit/s

95th percentile per-packet one-way delay: 234.471 ms

Loss rate: 3.60%

-- Flow 2:

Average throughput: 122.98 Mbit/s

95th percentile per-packet one-way delay: 151.278 ms

Loss rate: 0.23%

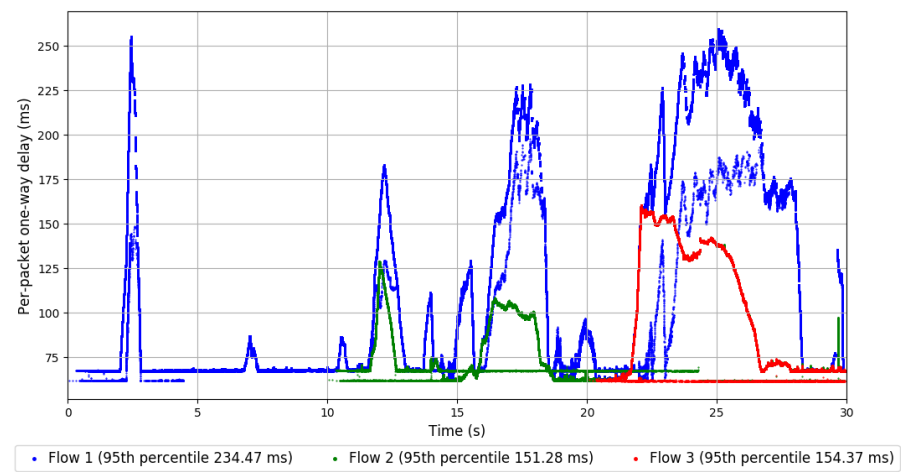
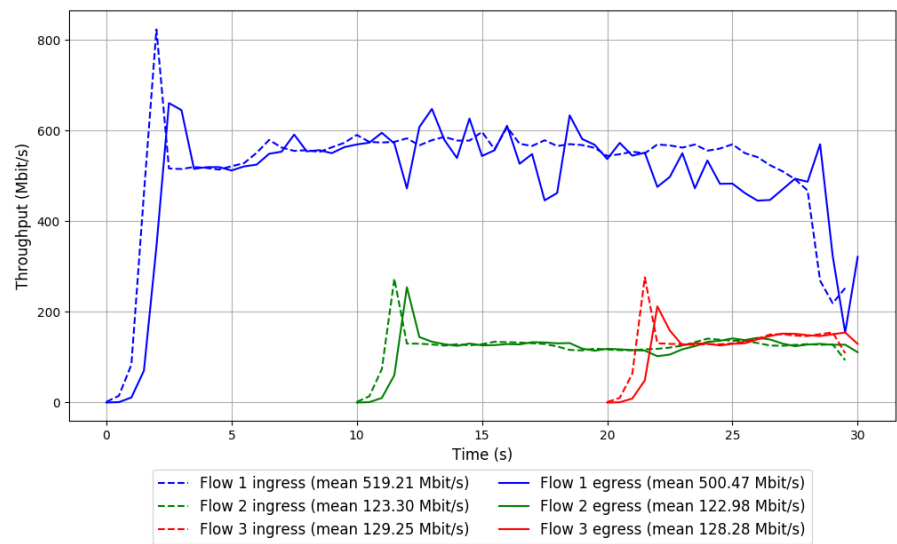
-- Flow 3:

Average throughput: 128.28 Mbit/s

95th percentile per-packet one-way delay: 154.370 ms

Loss rate: 0.71%

Run 4: Report of PCC-Allegro — Data Link

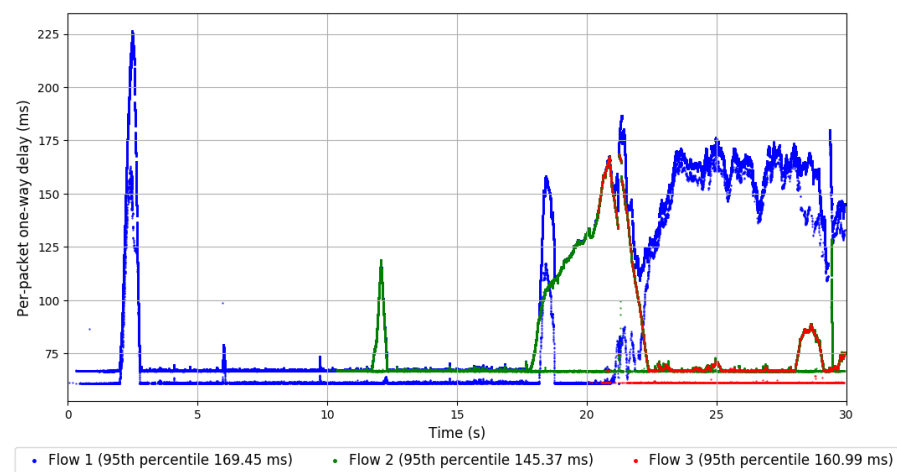
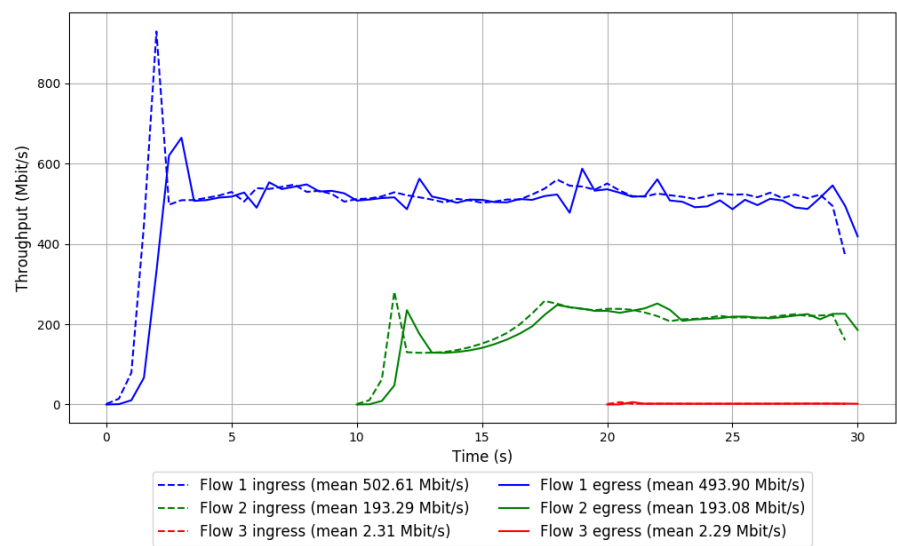


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-11 08:30:57
End at: 2018-08-11 08:31:27
Local clock offset: -0.084 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-11 13:30:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 622.93 Mbit/s
95th percentile per-packet one-way delay: 168.270 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 493.90 Mbit/s
95th percentile per-packet one-way delay: 169.448 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 193.08 Mbit/s
95th percentile per-packet one-way delay: 145.372 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 160.990 ms
Loss rate: 0.58%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-11 08:56:44

End at: 2018-08-11 08:57:14

Local clock offset: -0.023 ms

Remote clock offset: 1.151 ms

Below is generated by plot.py at 2018-08-11 13:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 696.27 Mbit/s

95th percentile per-packet one-way delay: 187.847 ms

Loss rate: 5.84%

-- Flow 1:

Average throughput: 495.92 Mbit/s

95th percentile per-packet one-way delay: 201.154 ms

Loss rate: 5.82%

-- Flow 2:

Average throughput: 247.16 Mbit/s

95th percentile per-packet one-way delay: 154.939 ms

Loss rate: 5.53%

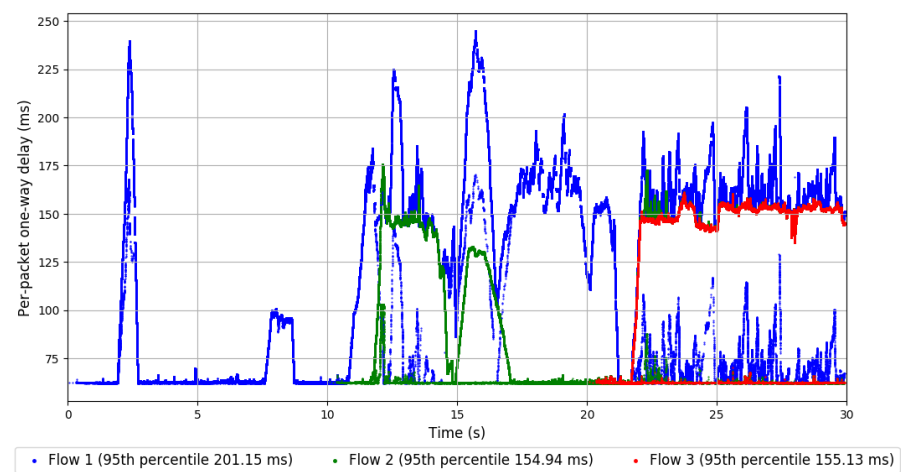
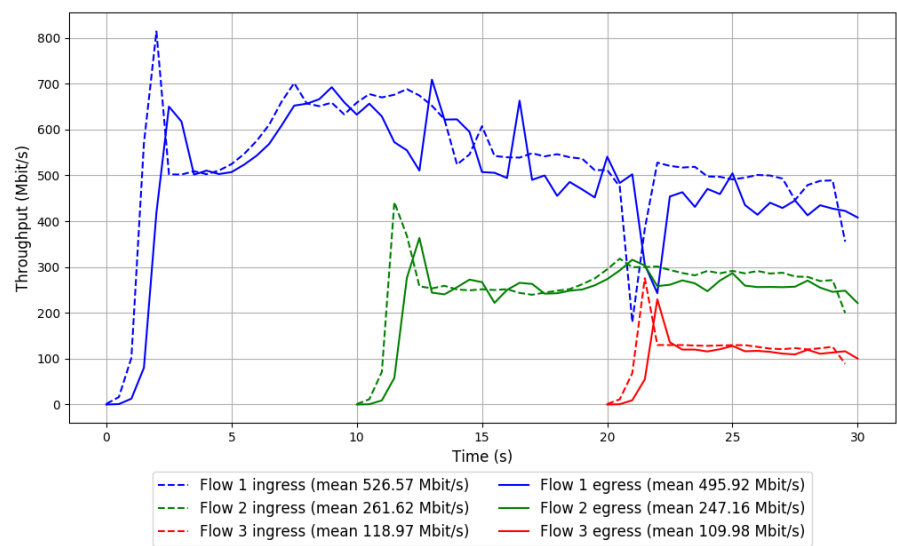
-- Flow 3:

Average throughput: 109.98 Mbit/s

95th percentile per-packet one-way delay: 155.133 ms

Loss rate: 7.56%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-11 09:23:22

End at: 2018-08-11 09:23:52

Local clock offset: -0.089 ms

Remote clock offset: 0.422 ms

Below is generated by plot.py at 2018-08-11 13:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 659.92 Mbit/s

95th percentile per-packet one-way delay: 179.431 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 480.68 Mbit/s

95th percentile per-packet one-way delay: 186.150 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 254.77 Mbit/s

95th percentile per-packet one-way delay: 149.769 ms

Loss rate: 0.56%

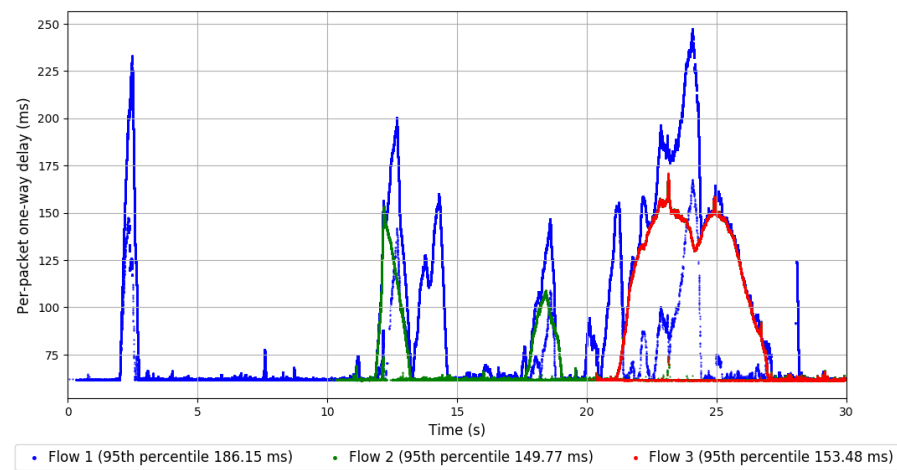
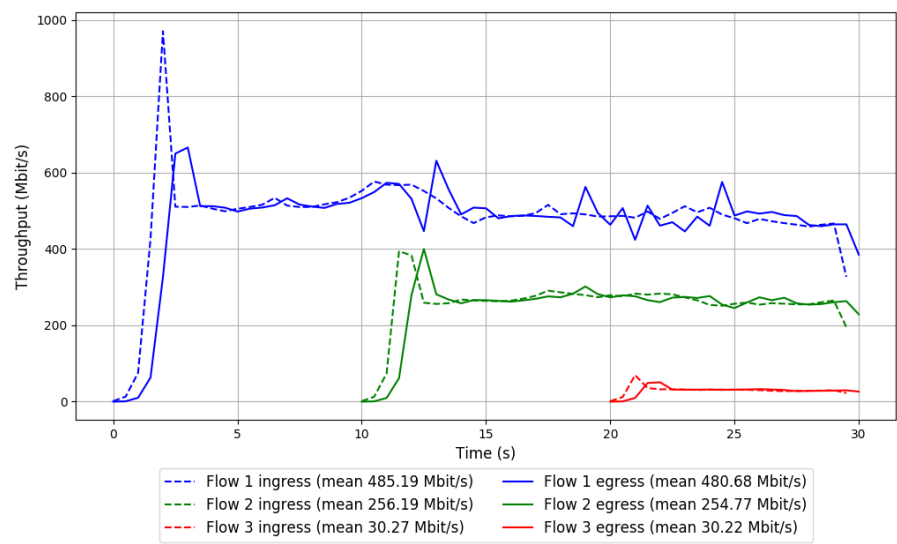
-- Flow 3:

Average throughput: 30.22 Mbit/s

95th percentile per-packet one-way delay: 153.478 ms

Loss rate: 0.16%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-11 09:50:05

End at: 2018-08-11 09:50:35

Local clock offset: 0.044 ms

Remote clock offset: 0.705 ms

Below is generated by plot.py at 2018-08-11 13:33:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 674.45 Mbit/s

95th percentile per-packet one-way delay: 169.491 ms

Loss rate: 4.00%

-- Flow 1:

Average throughput: 519.21 Mbit/s

95th percentile per-packet one-way delay: 172.277 ms

Loss rate: 4.09%

-- Flow 2:

Average throughput: 231.40 Mbit/s

95th percentile per-packet one-way delay: 156.774 ms

Loss rate: 3.76%

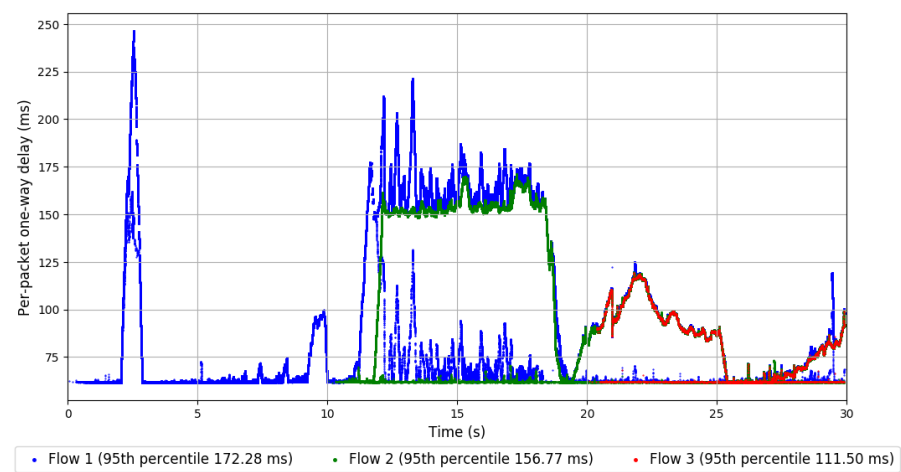
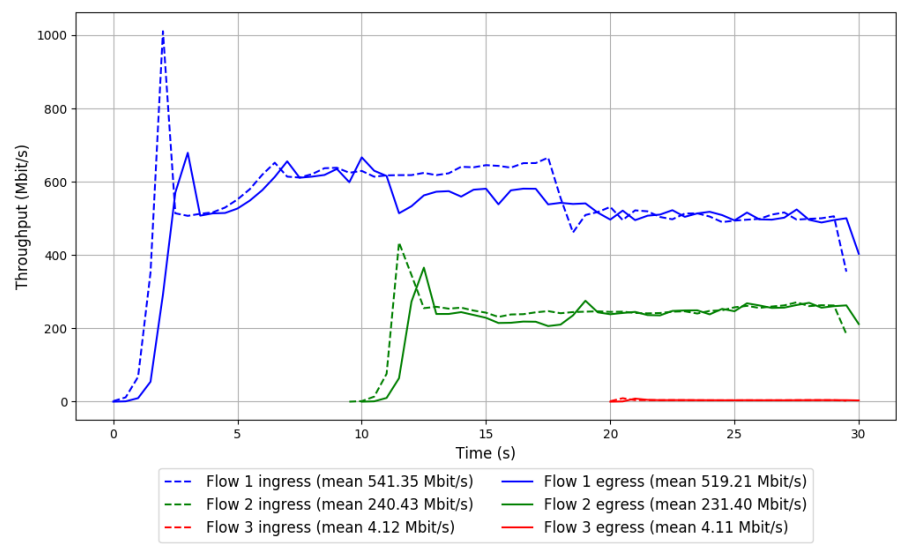
-- Flow 3:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 111.504 ms

Loss rate: 0.21%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-11 10:16:59

End at: 2018-08-11 10:17:29

Local clock offset: 0.048 ms

Remote clock offset: 0.444 ms

Below is generated by plot.py at 2018-08-11 13:39:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 659.35 Mbit/s

95th percentile per-packet one-way delay: 229.469 ms

Loss rate: 4.93%

-- Flow 1:

Average throughput: 553.10 Mbit/s

95th percentile per-packet one-way delay: 231.579 ms

Loss rate: 5.63%

-- Flow 2:

Average throughput: 157.63 Mbit/s

95th percentile per-packet one-way delay: 150.193 ms

Loss rate: 1.09%

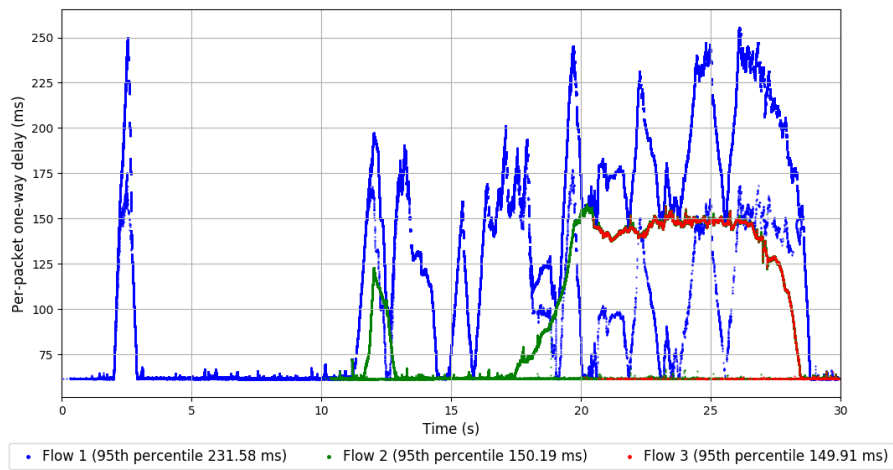
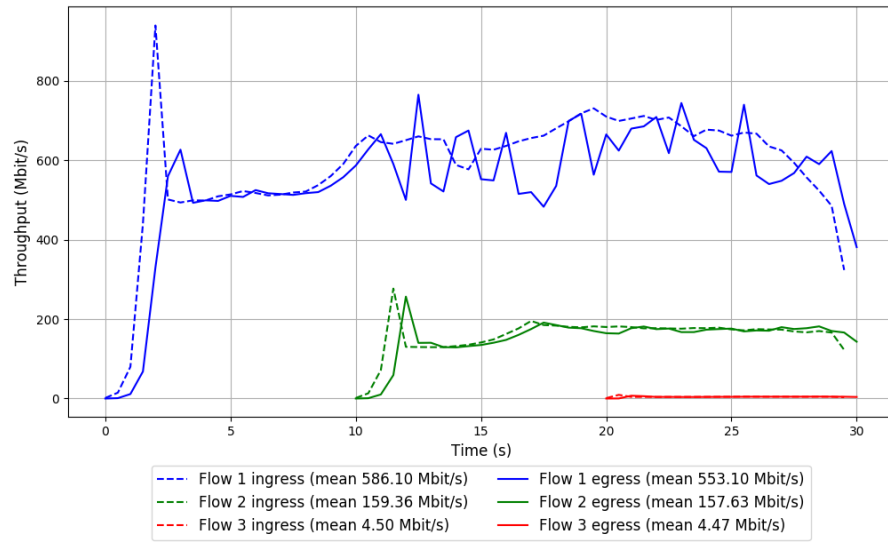
-- Flow 3:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 149.910 ms

Loss rate: 0.79%

Run 9: Report of PCC-Allegro — Data Link

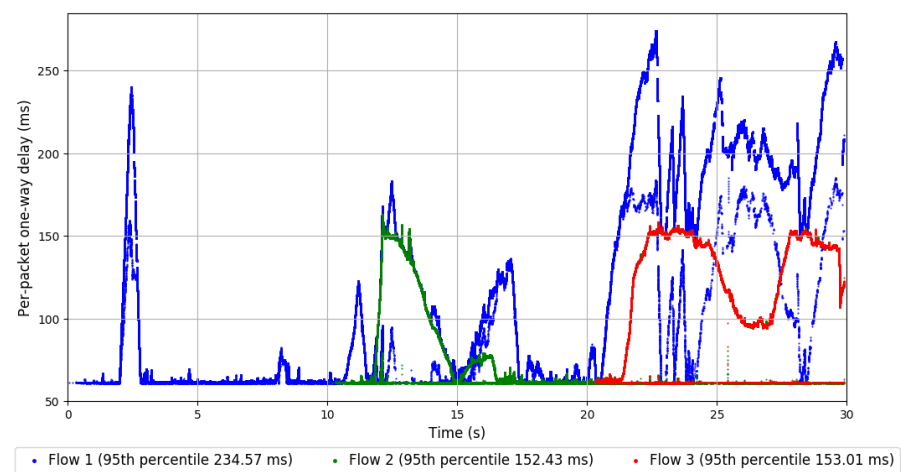
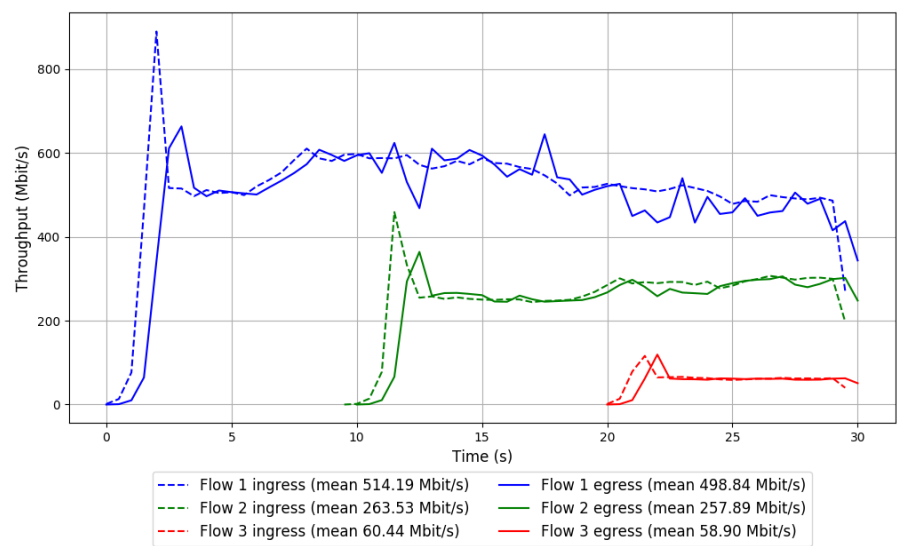


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-11 10:43:53
End at: 2018-08-11 10:44:23
Local clock offset: -0.03 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-08-11 13:41:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 689.75 Mbit/s
95th percentile per-packet one-way delay: 218.612 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 498.84 Mbit/s
95th percentile per-packet one-way delay: 234.573 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 257.89 Mbit/s
95th percentile per-packet one-way delay: 152.432 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 153.015 ms
Loss rate: 2.52%

Run 10: Report of PCC-Allegro — Data Link

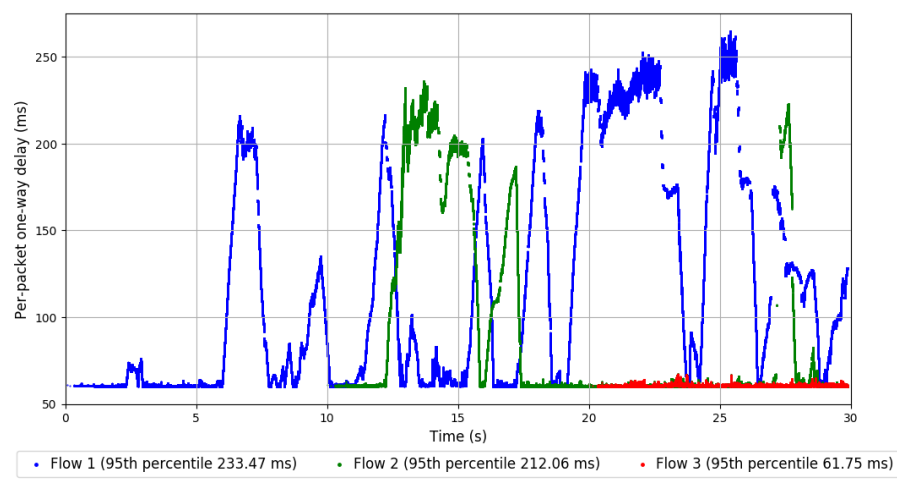
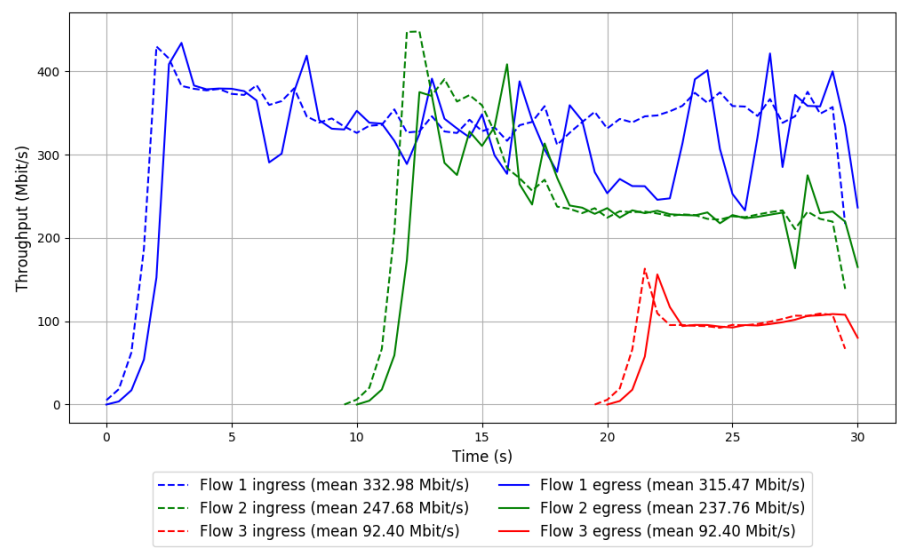


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-11 06:53:20
End at: 2018-08-11 06:53:50
Local clock offset: -0.13 ms
Remote clock offset: -0.604 ms

# Below is generated by plot.py at 2018-08-11 13:45:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 504.45 Mbit/s
95th percentile per-packet one-way delay: 226.039 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 315.47 Mbit/s
95th percentile per-packet one-way delay: 233.471 ms
Loss rate: 5.26%
-- Flow 2:
Average throughput: 237.76 Mbit/s
95th percentile per-packet one-way delay: 212.060 ms
Loss rate: 4.01%
-- Flow 3:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 61.753 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

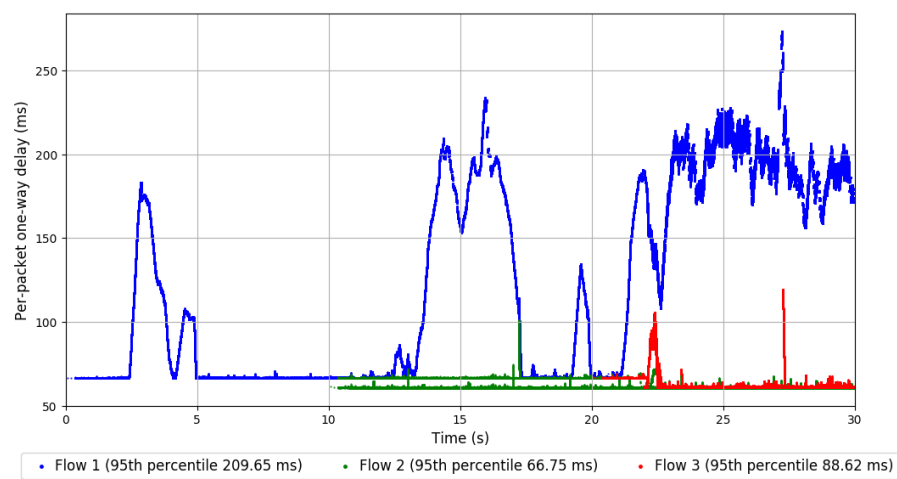
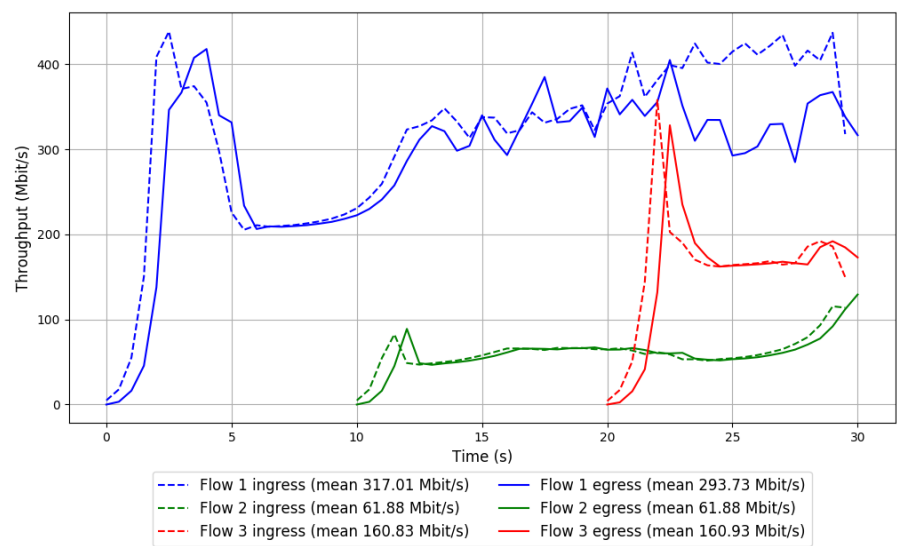


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-11 07:19:01
End at: 2018-08-11 07:19:31
Local clock offset: -0.068 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-08-11 13:45:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.97 Mbit/s
95th percentile per-packet one-way delay: 206.352 ms
Loss rate: 5.67%
-- Flow 1:
Average throughput: 293.73 Mbit/s
95th percentile per-packet one-way delay: 209.645 ms
Loss rate: 7.36%
-- Flow 2:
Average throughput: 61.88 Mbit/s
95th percentile per-packet one-way delay: 66.747 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 160.93 Mbit/s
95th percentile per-packet one-way delay: 88.622 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link

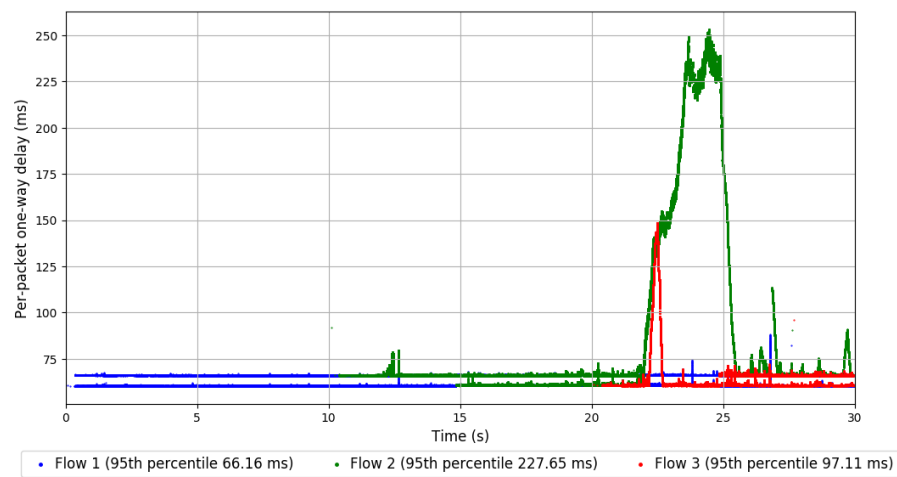
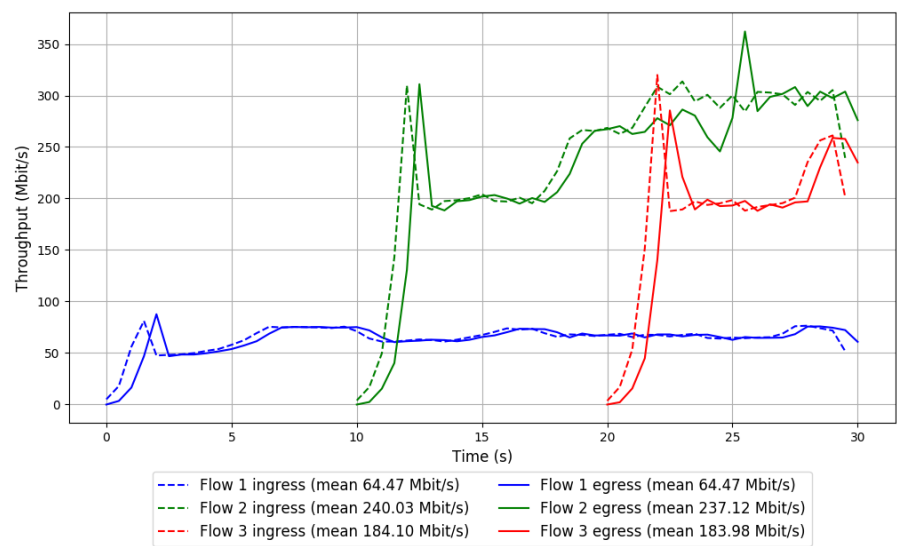


Run 3: Statistics of PCC-Expr

Start at: 2018-08-11 07:45:08
End at: 2018-08-11 07:45:38
Local clock offset: -0.046 ms
Remote clock offset: -0.721 ms

Below is generated by plot.py at 2018-08-11 13:45:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.66 Mbit/s
95th percentile per-packet one-way delay: 186.339 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 66.160 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 237.12 Mbit/s
95th percentile per-packet one-way delay: 227.649 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 183.98 Mbit/s
95th percentile per-packet one-way delay: 97.106 ms
Loss rate: 0.06%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-11 08:10:48

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

Local clock offset: -0.052 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-08-11 13:45:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 208.12 Mbit/s

95th percentile per-packet one-way delay: 67.020 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 98.00 Mbit/s

95th percentile per-packet one-way delay: 67.020 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 139.99 Mbit/s

95th percentile per-packet one-way delay: 67.012 ms

Loss rate: 0.00%

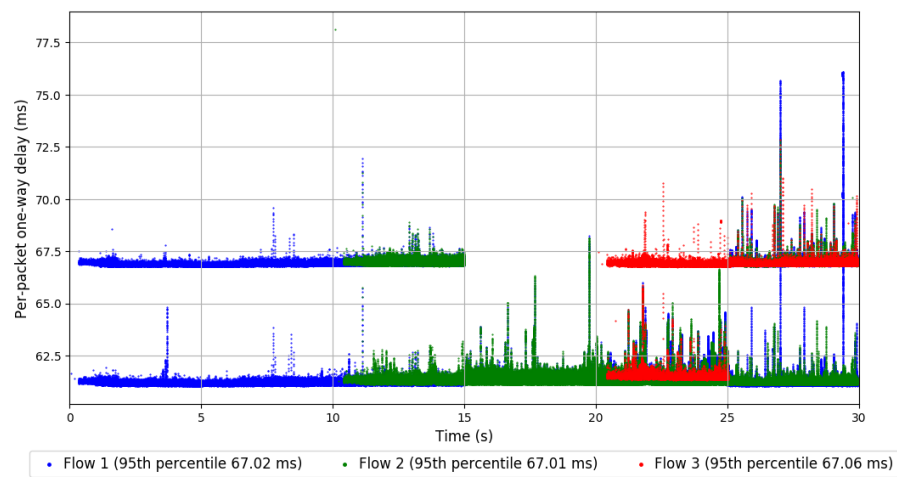
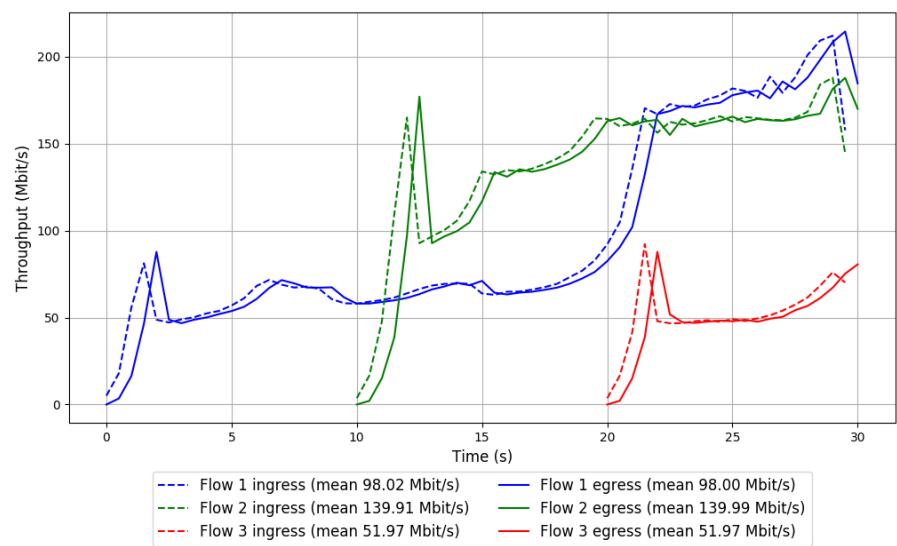
-- Flow 3:

Average throughput: 51.97 Mbit/s

95th percentile per-packet one-way delay: 67.055 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

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

End at: 2018-08-11 08:36:38

Local clock offset: -0.068 ms

Remote clock offset: -0.97 ms

Below is generated by plot.py at 2018-08-11 13:52:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 566.51 Mbit/s

95th percentile per-packet one-way delay: 222.866 ms

Loss rate: 7.13%

-- Flow 1:

Average throughput: 410.07 Mbit/s

95th percentile per-packet one-way delay: 228.122 ms

Loss rate: 8.40%

-- Flow 2:

Average throughput: 232.47 Mbit/s

95th percentile per-packet one-way delay: 164.832 ms

Loss rate: 3.61%

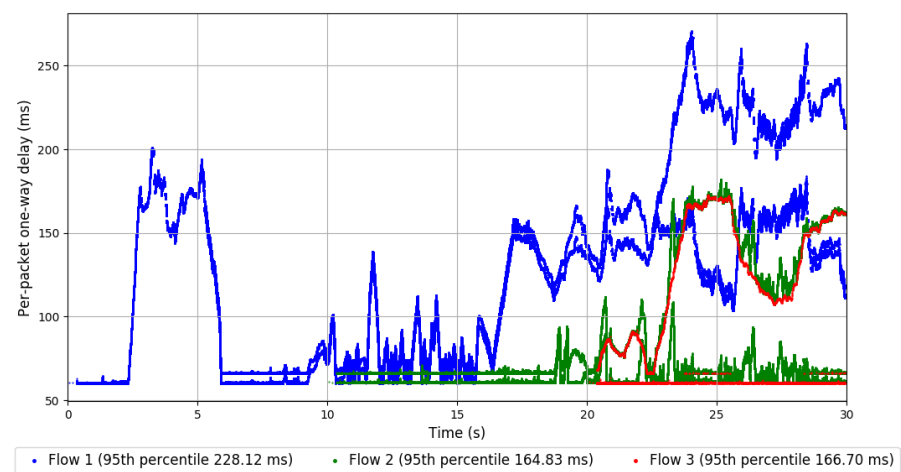
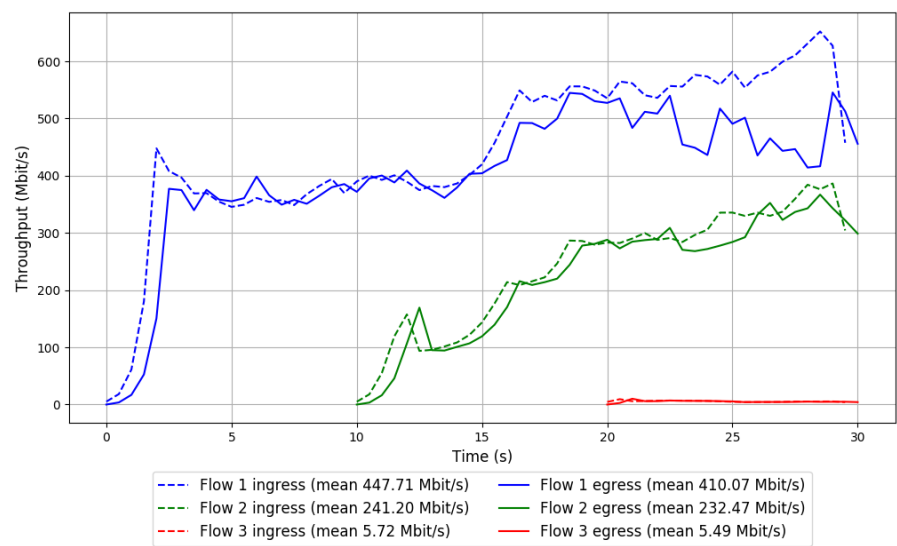
-- Flow 3:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 166.699 ms

Loss rate: 4.09%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-11 09:02:17

End at: 2018-08-11 09:02:47

Local clock offset: -0.034 ms

Remote clock offset: 0.567 ms

Below is generated by plot.py at 2018-08-11 13:52:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.11 Mbit/s

95th percentile per-packet one-way delay: 68.117 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 220.67 Mbit/s

95th percentile per-packet one-way delay: 65.802 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 232.60 Mbit/s

95th percentile per-packet one-way delay: 70.095 ms

Loss rate: 0.00%

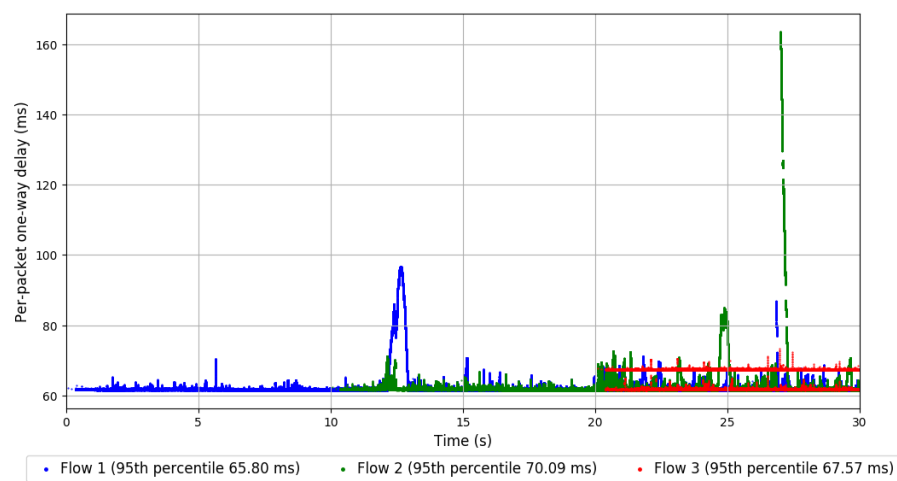
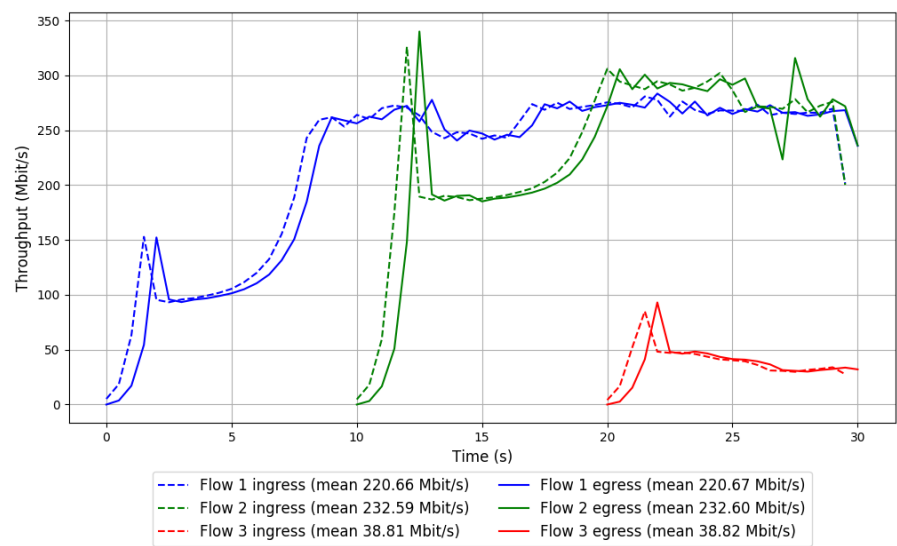
-- Flow 3:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 67.572 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-11 09:28:47

End at: 2018-08-11 09:29:17

Local clock offset: -0.034 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-08-11 13:55:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 482.41 Mbit/s

95th percentile per-packet one-way delay: 128.561 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 288.59 Mbit/s

95th percentile per-packet one-way delay: 154.723 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 205.49 Mbit/s

95th percentile per-packet one-way delay: 65.156 ms

Loss rate: 0.01%

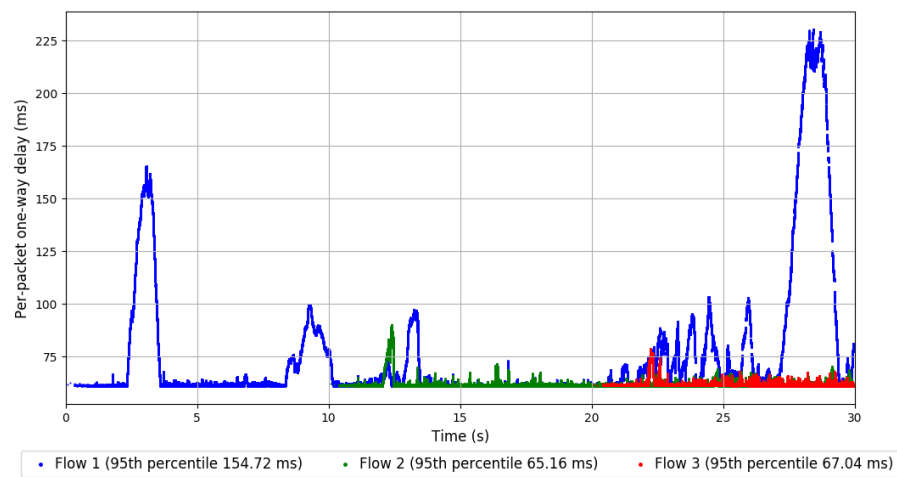
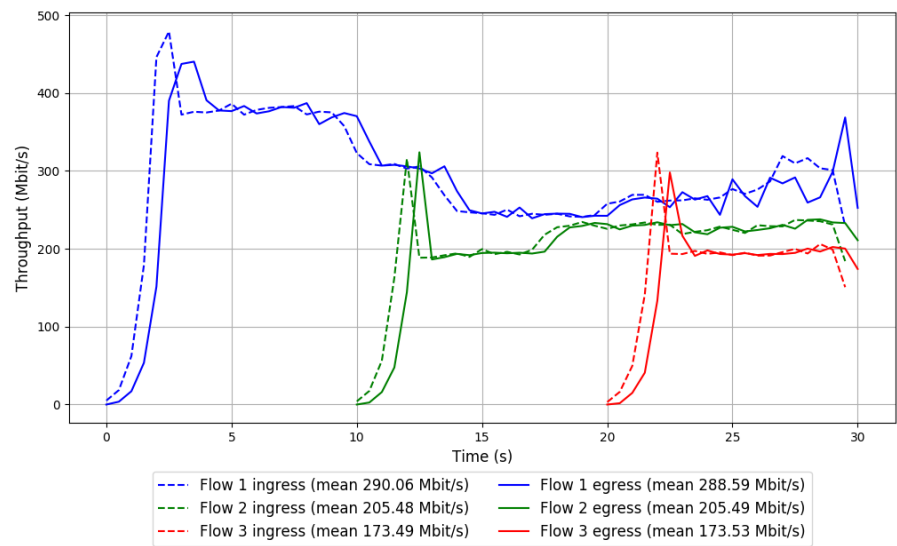
-- Flow 3:

Average throughput: 173.53 Mbit/s

95th percentile per-packet one-way delay: 67.044 ms

Loss rate: 0.01%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-11 09:55:40

End at: 2018-08-11 09:56:10

Local clock offset: 0.021 ms

Remote clock offset: 0.074 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 465.36 Mbit/s

95th percentile per-packet one-way delay: 225.759 ms

Loss rate: 2.04%

-- Flow 1:

Average throughput: 289.32 Mbit/s

95th percentile per-packet one-way delay: 231.715 ms

Loss rate: 3.24%

-- Flow 2:

Average throughput: 181.40 Mbit/s

95th percentile per-packet one-way delay: 64.990 ms

Loss rate: 0.00%

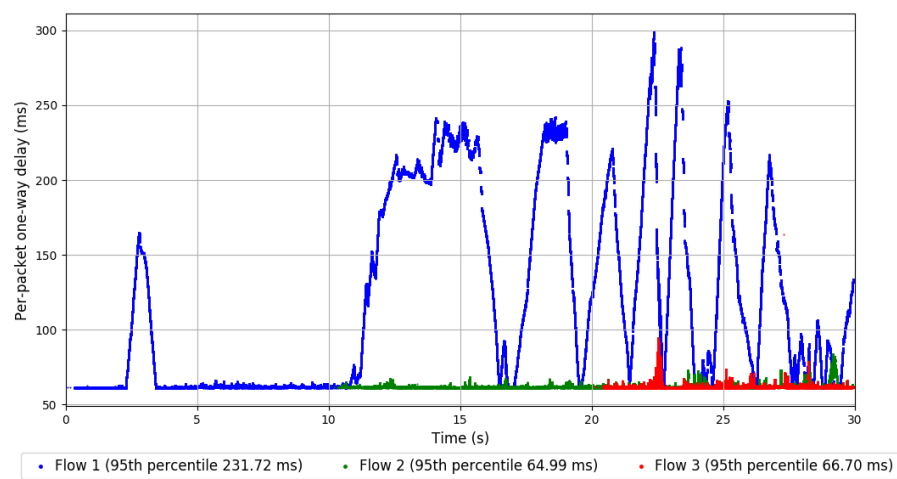
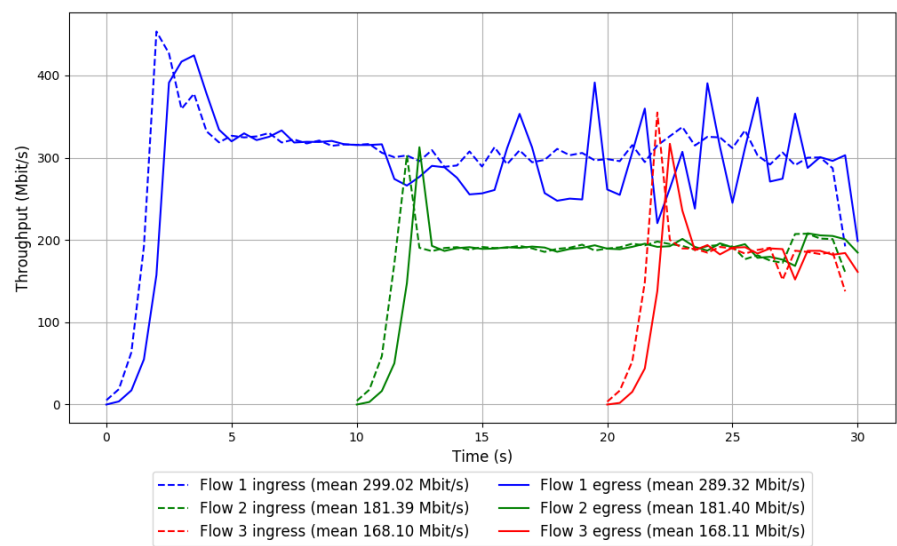
-- Flow 3:

Average throughput: 168.11 Mbit/s

95th percentile per-packet one-way delay: 66.701 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

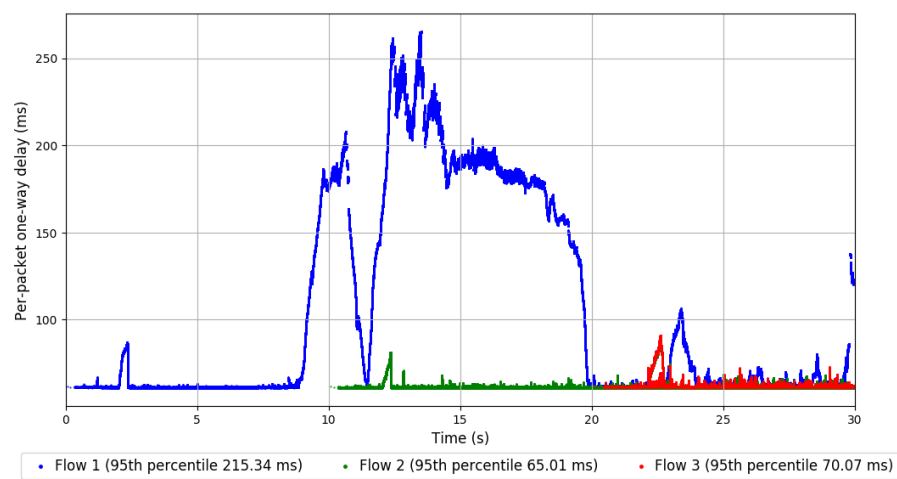
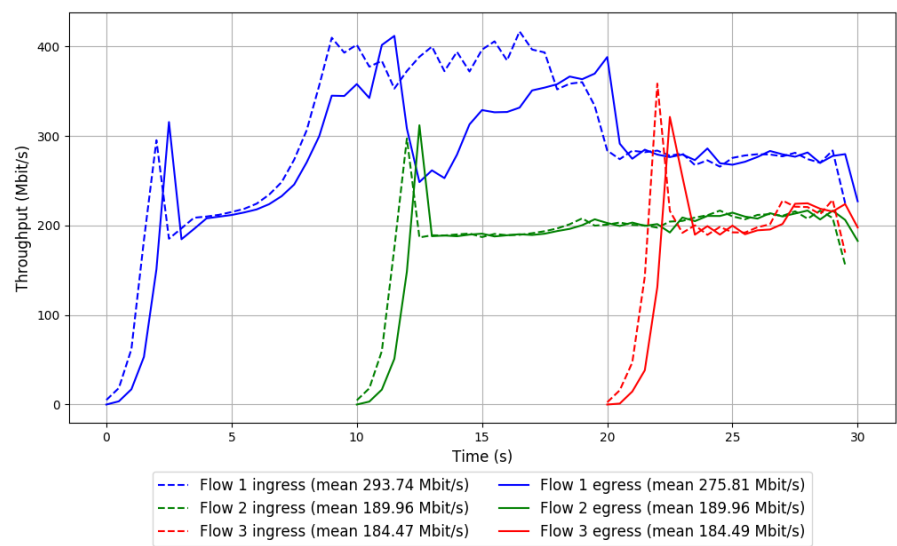


Run 9: Statistics of PCC-Expr

Start at: 2018-08-11 10:22:35
End at: 2018-08-11 10:23:05
Local clock offset: -0.007 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-11 13:56:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.79 Mbit/s
95th percentile per-packet one-way delay: 195.397 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 275.81 Mbit/s
95th percentile per-packet one-way delay: 215.338 ms
Loss rate: 6.11%
-- Flow 2:
Average throughput: 189.96 Mbit/s
95th percentile per-packet one-way delay: 65.012 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 184.49 Mbit/s
95th percentile per-packet one-way delay: 70.071 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

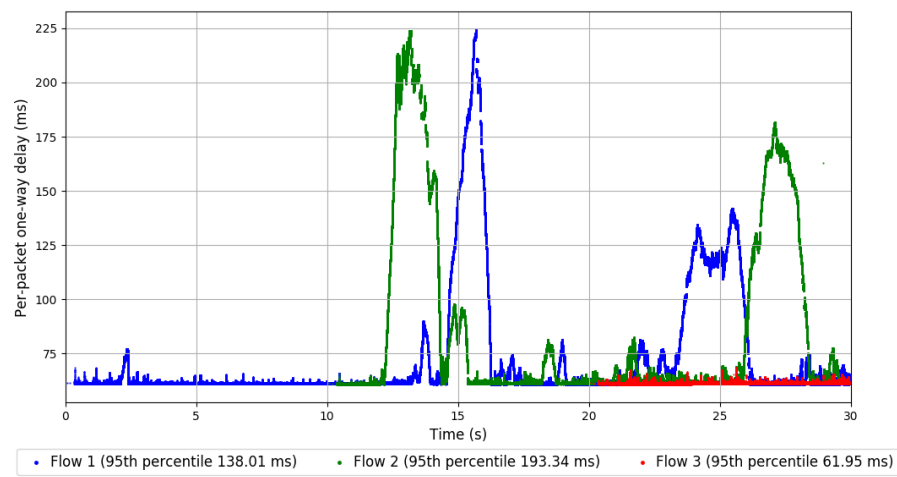
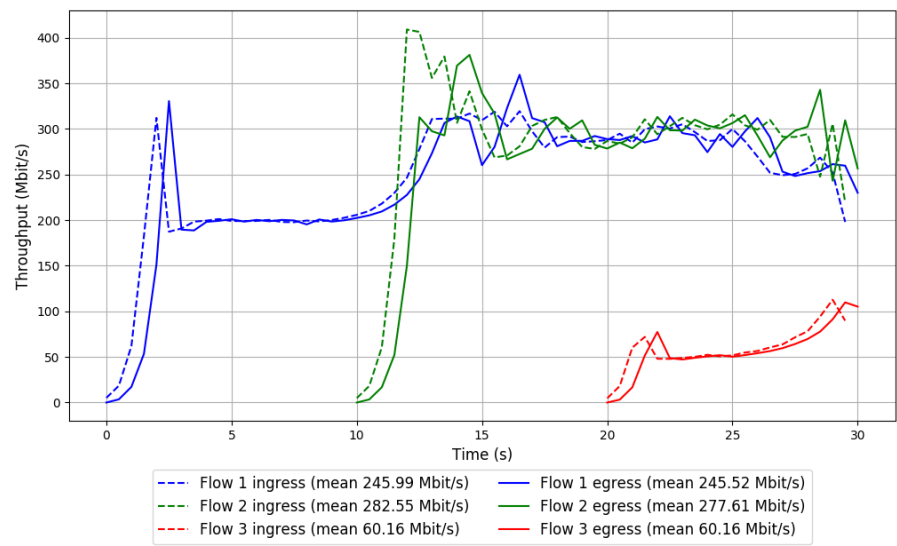


Run 10: Statistics of PCC-Expr

Start at: 2018-08-11 10:49:29
End at: 2018-08-11 10:49:59
Local clock offset: 0.049 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 449.99 Mbit/s
95th percentile per-packet one-way delay: 169.918 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 245.52 Mbit/s
95th percentile per-packet one-way delay: 138.008 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 277.61 Mbit/s
95th percentile per-packet one-way delay: 193.335 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 60.16 Mbit/s
95th percentile per-packet one-way delay: 61.949 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

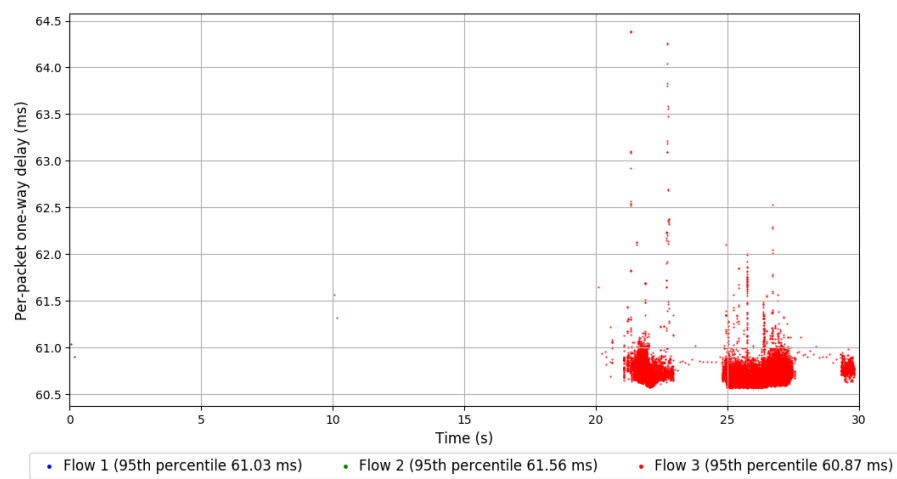
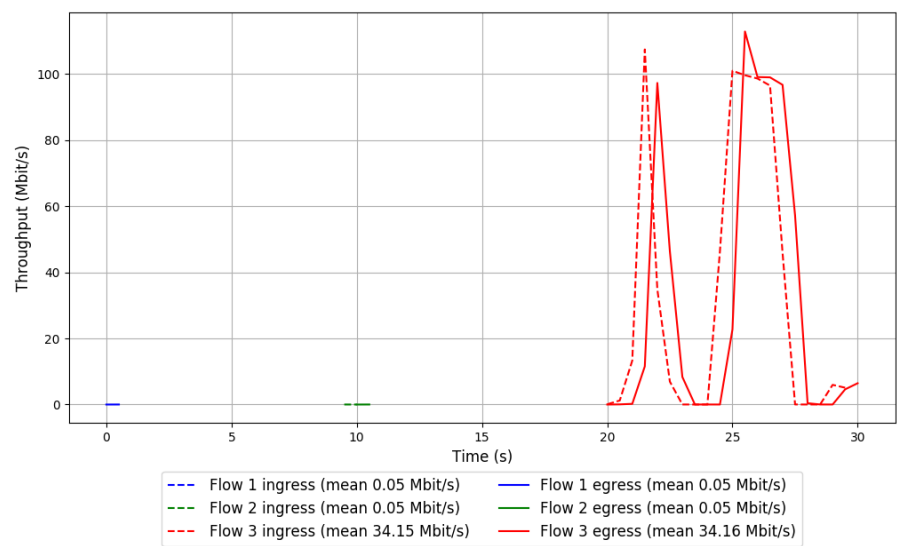


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-11 07:03:01
End at: 2018-08-11 07:03:31
Local clock offset: -0.142 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 60.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.032 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.565 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 60.867 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-11 07:28:43

End at: 2018-08-11 07:29:13

Local clock offset: -0.033 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-11 13:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 61.364 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.72 Mbit/s

95th percentile per-packet one-way delay: 61.381 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.64 Mbit/s

95th percentile per-packet one-way delay: 61.166 ms

Loss rate: 0.00%

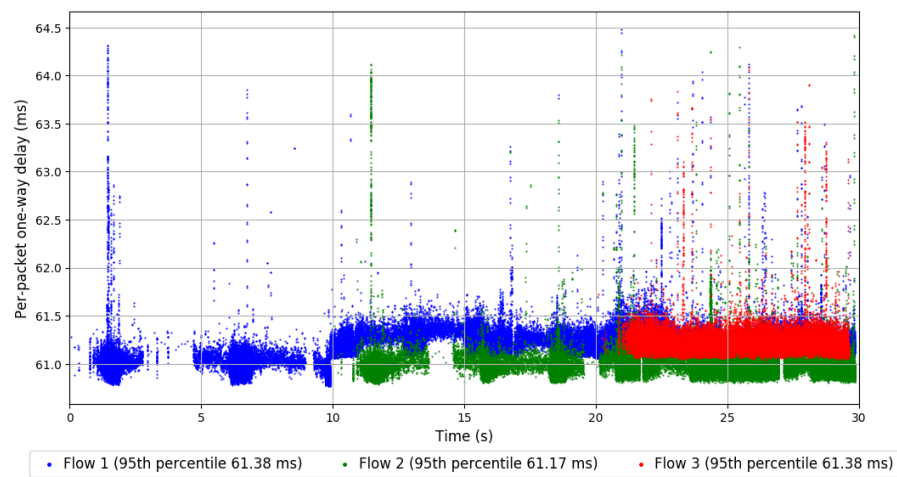
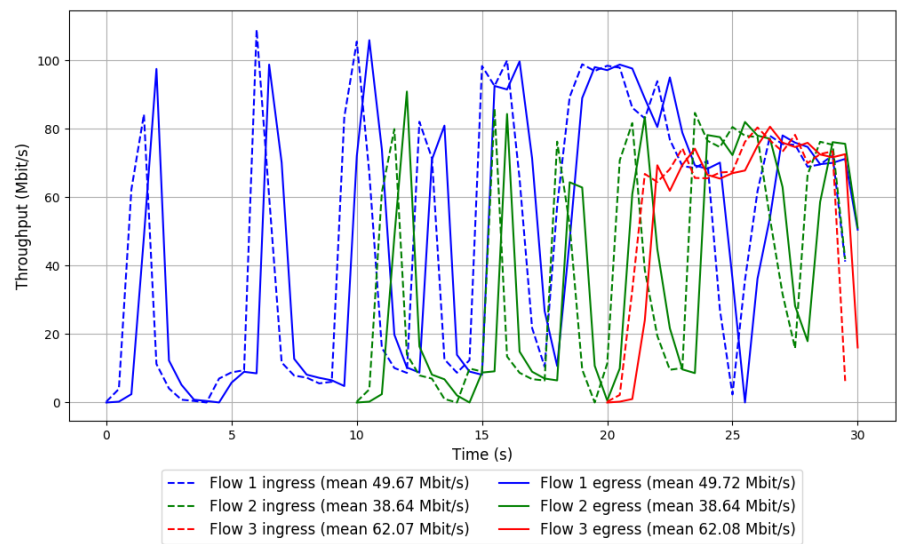
-- Flow 3:

Average throughput: 62.08 Mbit/s

95th percentile per-packet one-way delay: 61.378 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-11 07:54:33

End at: 2018-08-11 07:55:03

Local clock offset: -0.028 ms

Remote clock offset: 1.177 ms

Below is generated by plot.py at 2018-08-11 13:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.28 Mbit/s

95th percentile per-packet one-way delay: 62.531 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 68.120 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.84 Mbit/s

95th percentile per-packet one-way delay: 62.377 ms

Loss rate: 0.00%

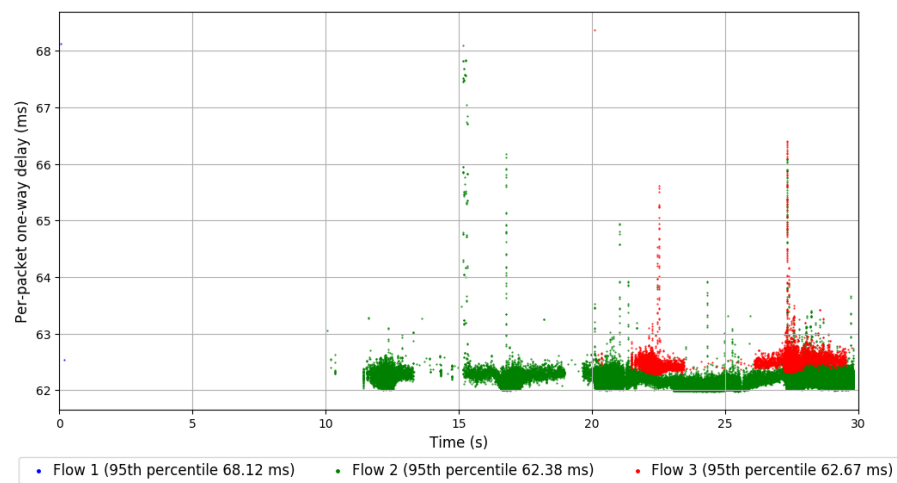
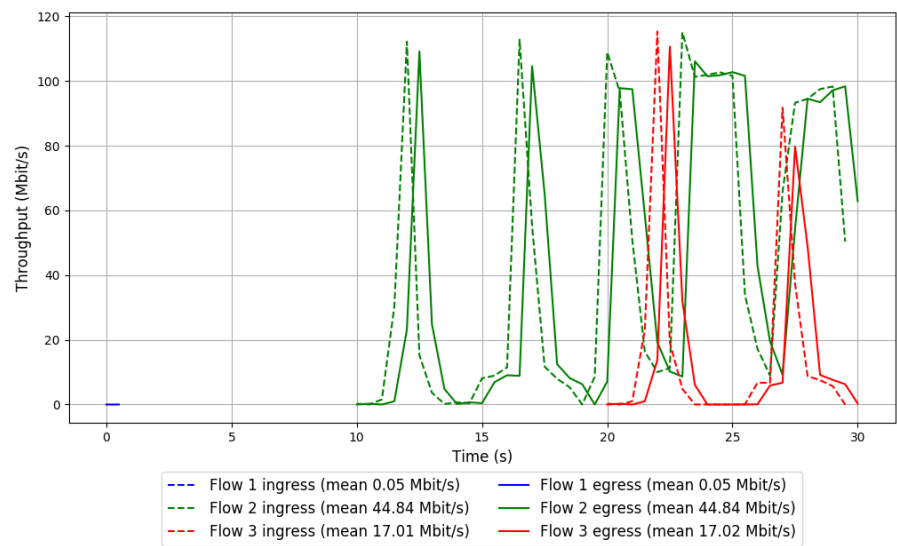
-- Flow 3:

Average throughput: 17.02 Mbit/s

95th percentile per-packet one-way delay: 62.675 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

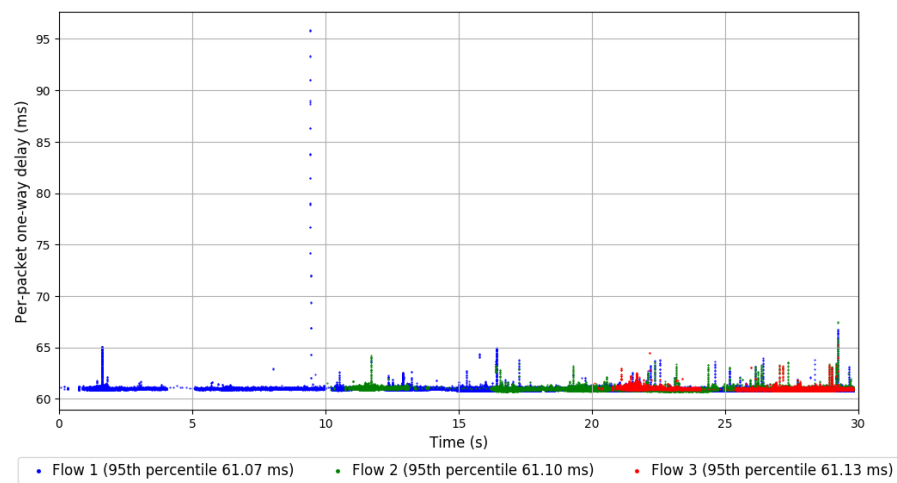
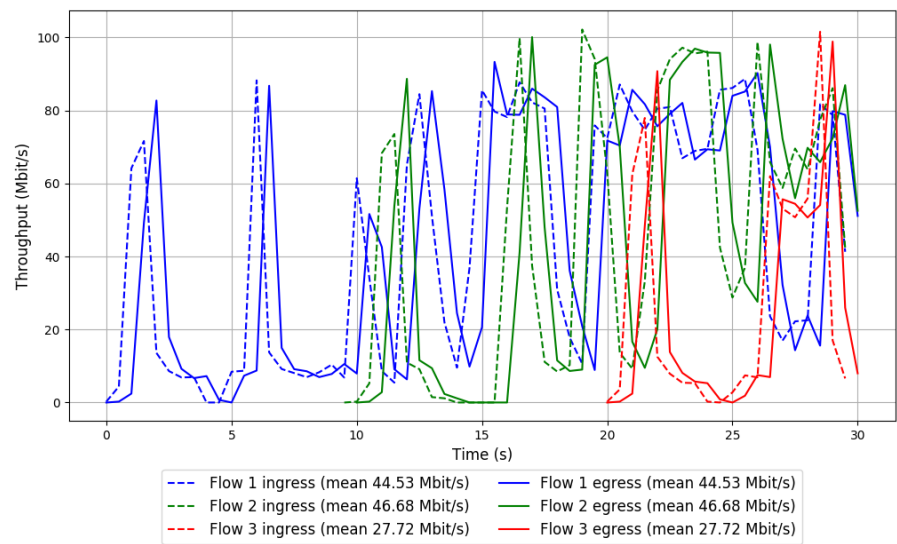


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-11 08:20:09
End at: 2018-08-11 08:20:39
Local clock offset: -0.103 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 61.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 61.073 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 61.098 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 61.130 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

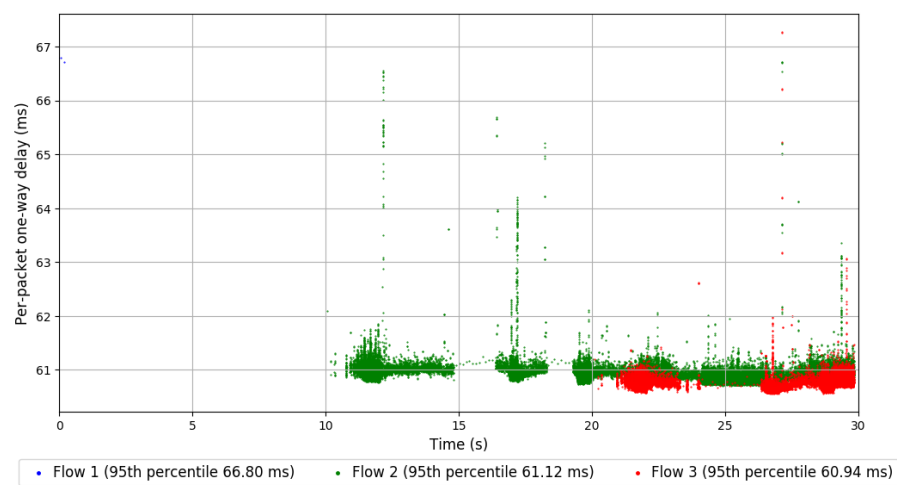
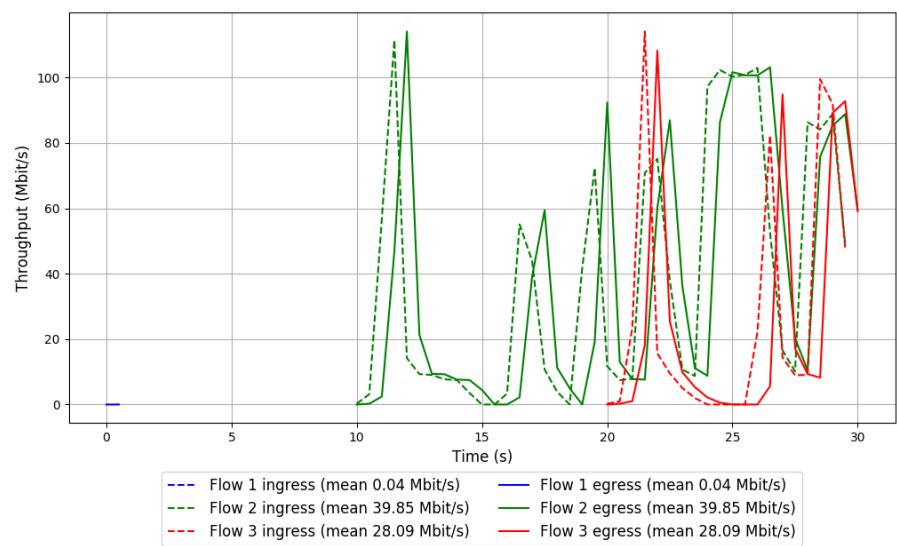


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-11 08:45:44
End at: 2018-08-11 08:46:14
Local clock offset: -0.078 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 61.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 66.798 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 61.115 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 60.941 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

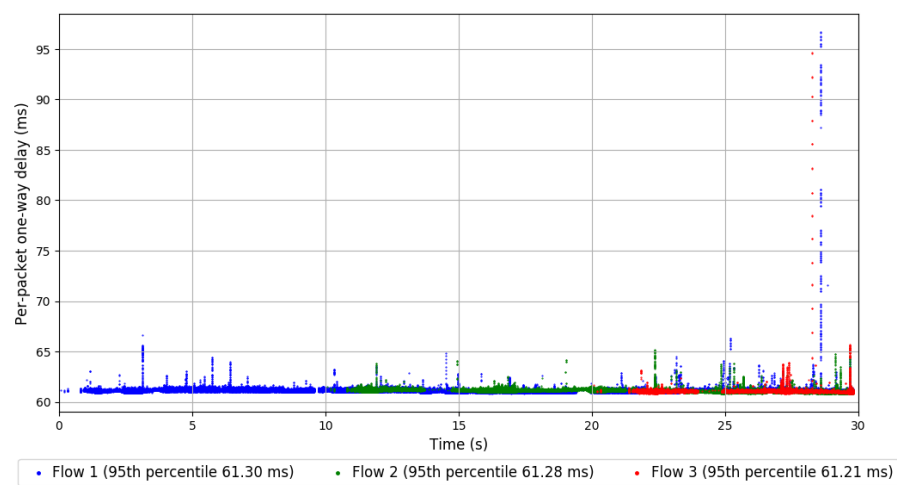
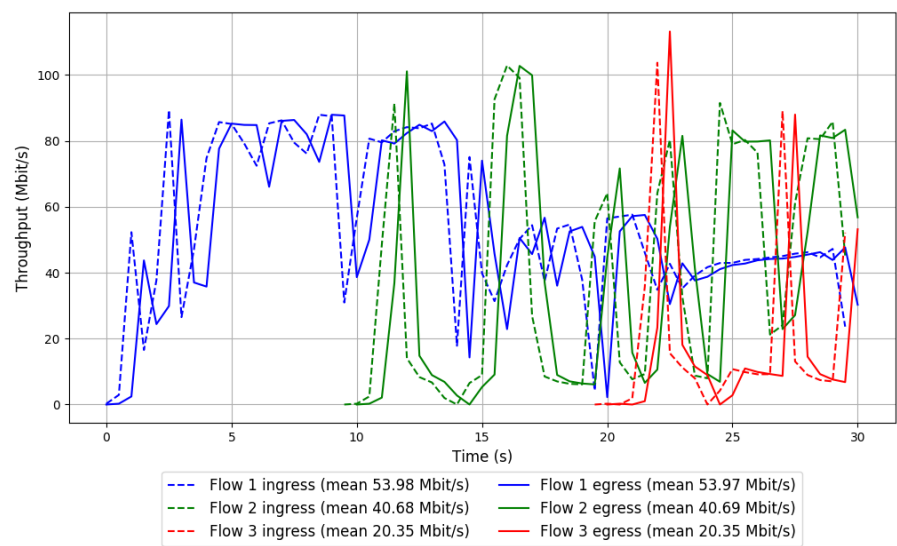


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-11 09:11:50
End at: 2018-08-11 09:12:20
Local clock offset: -0.131 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 61.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 61.303 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 61.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 61.212 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

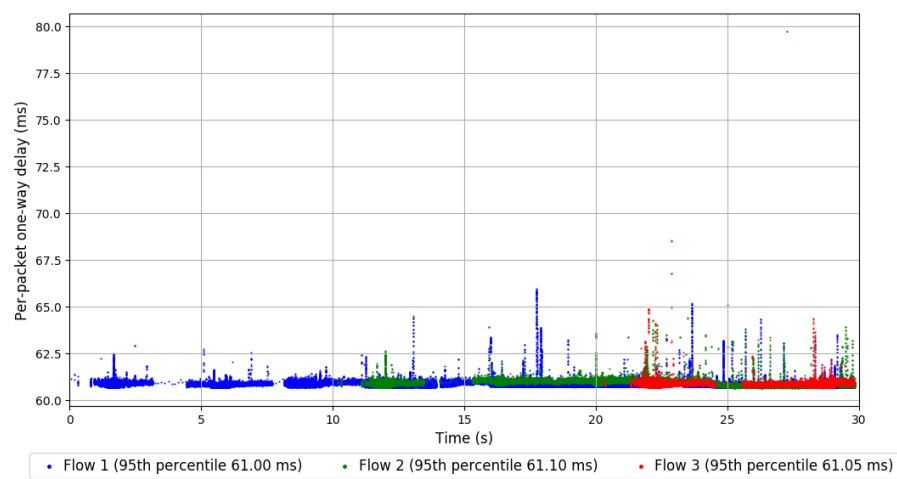
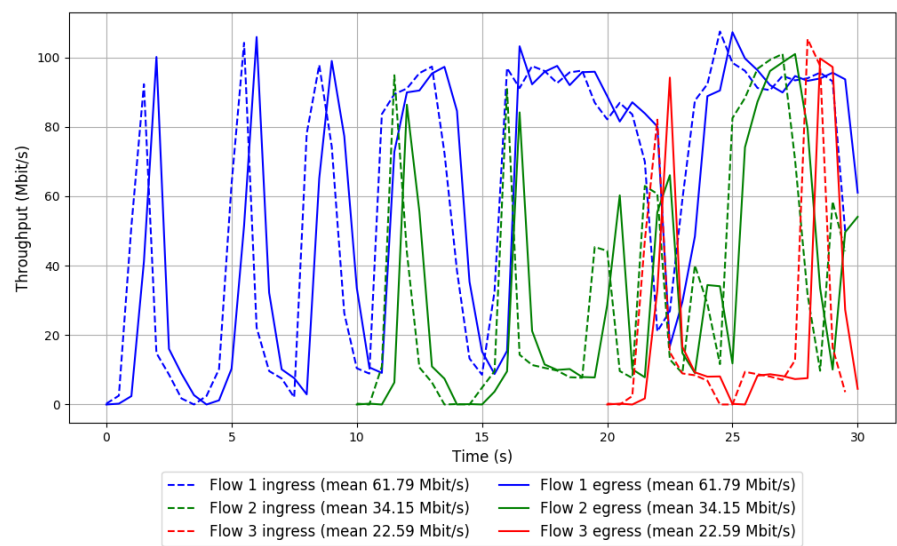


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-11 09:38:39
End at: 2018-08-11 09:39:09
Local clock offset: 0.007 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 61.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.79 Mbit/s
95th percentile per-packet one-way delay: 60.999 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 61.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.59 Mbit/s
95th percentile per-packet one-way delay: 61.046 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-11 10:05:36

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

Local clock offset: -0.016 ms

Remote clock offset: 0.675 ms

Below is generated by plot.py at 2018-08-11 13:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.55 Mbit/s

95th percentile per-packet one-way delay: 61.978 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.06 Mbit/s

95th percentile per-packet one-way delay: 61.994 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.64 Mbit/s

95th percentile per-packet one-way delay: 61.963 ms

Loss rate: 0.00%

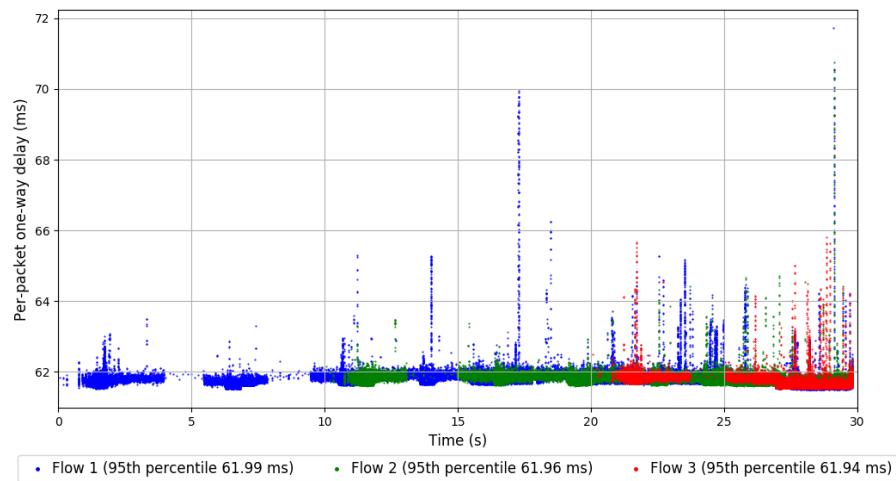
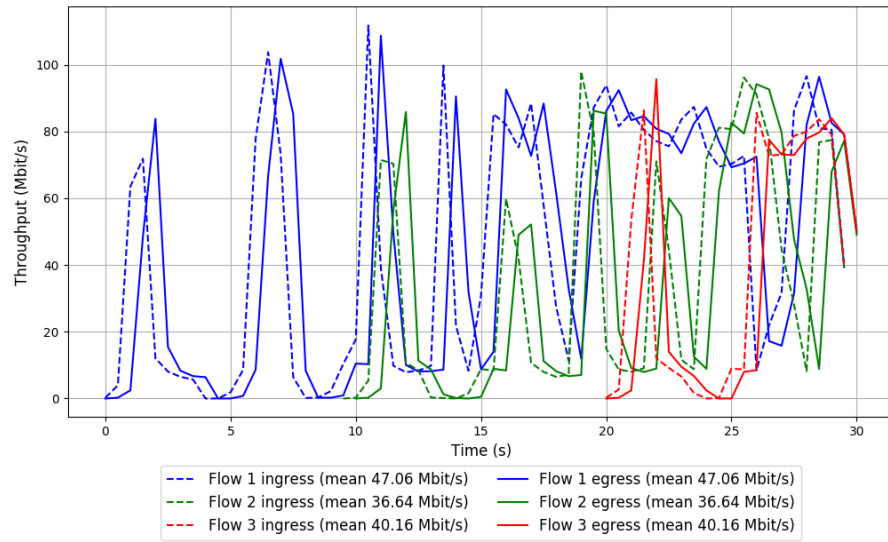
-- Flow 3:

Average throughput: 40.16 Mbit/s

95th percentile per-packet one-way delay: 61.942 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-11 10:32:15

End at: 2018-08-11 10:32:45

Local clock offset: -0.02 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2018-08-11 13:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.42 Mbit/s

95th percentile per-packet one-way delay: 61.582 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 61.356 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.83 Mbit/s

95th percentile per-packet one-way delay: 61.585 ms

Loss rate: 0.00%

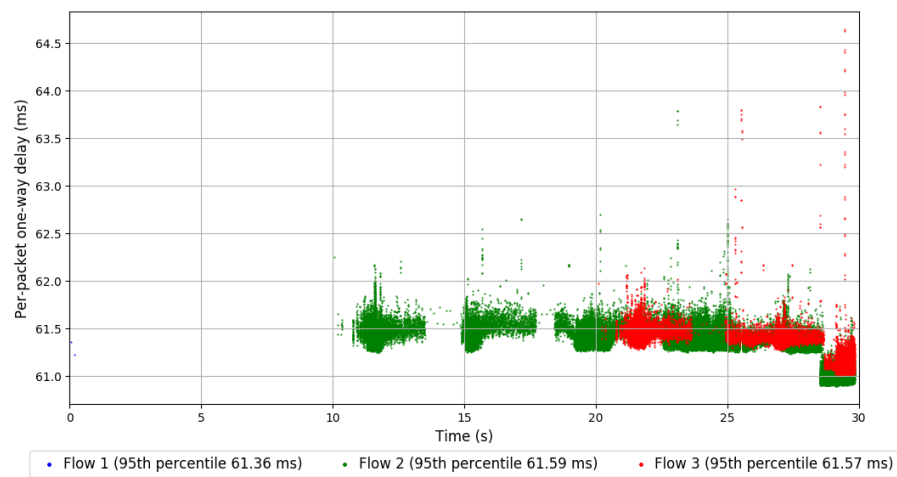
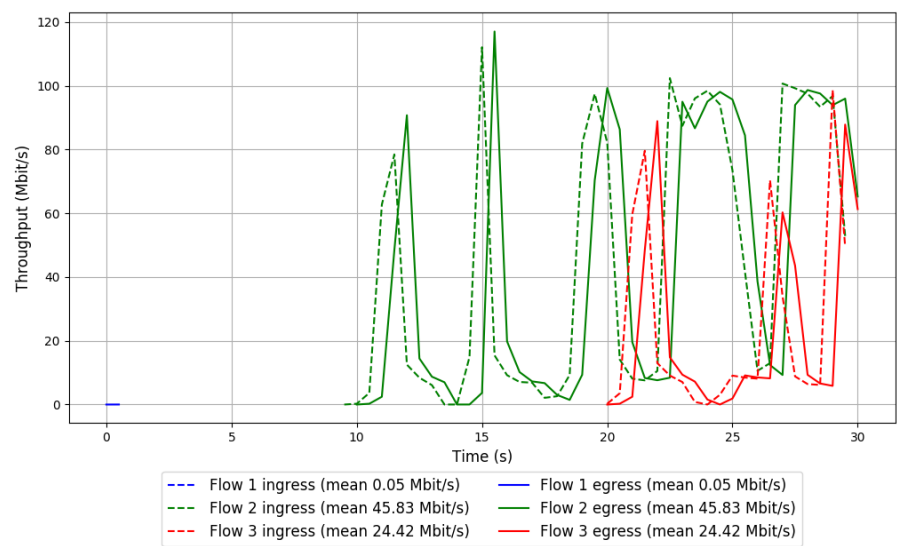
-- Flow 3:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 61.568 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-11 10:59:12

End at: 2018-08-11 10:59:42

Local clock offset: -0.041 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-08-11 13:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 61.579 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.76 Mbit/s

95th percentile per-packet one-way delay: 61.583 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.94 Mbit/s

95th percentile per-packet one-way delay: 61.522 ms

Loss rate: 0.00%

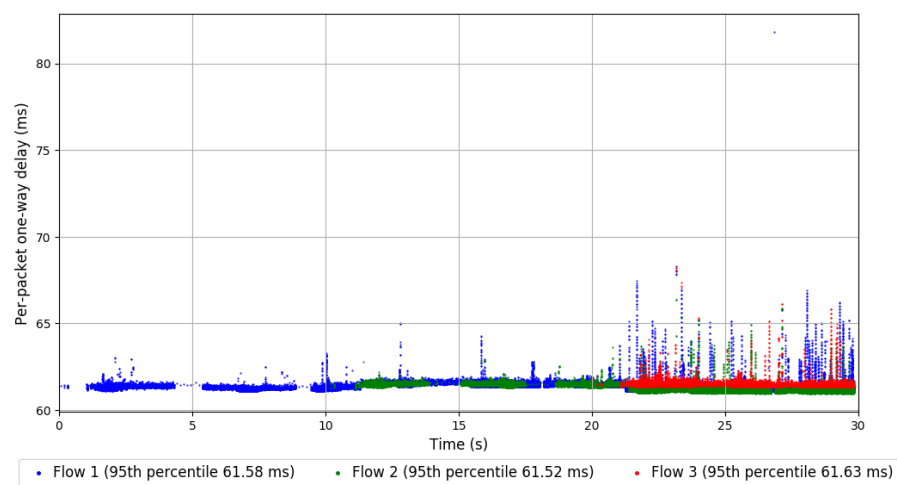
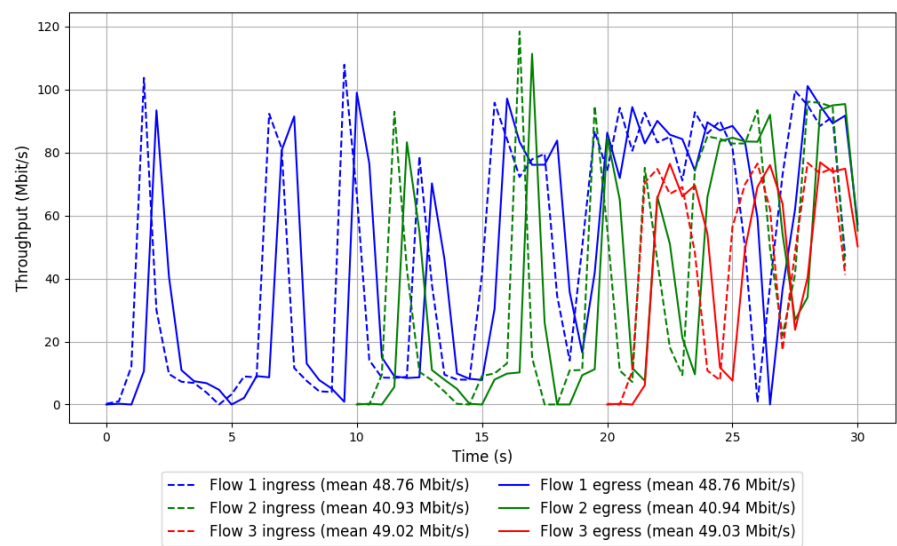
-- Flow 3:

Average throughput: 49.03 Mbit/s

95th percentile per-packet one-way delay: 61.626 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

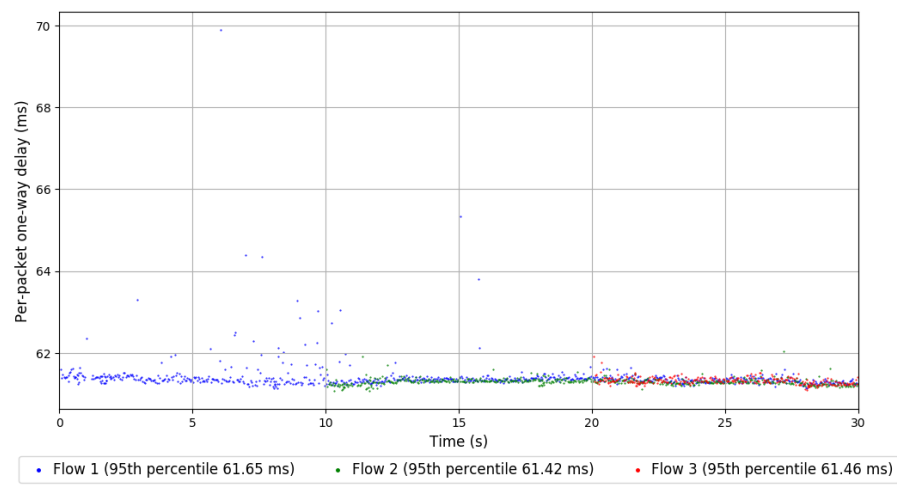
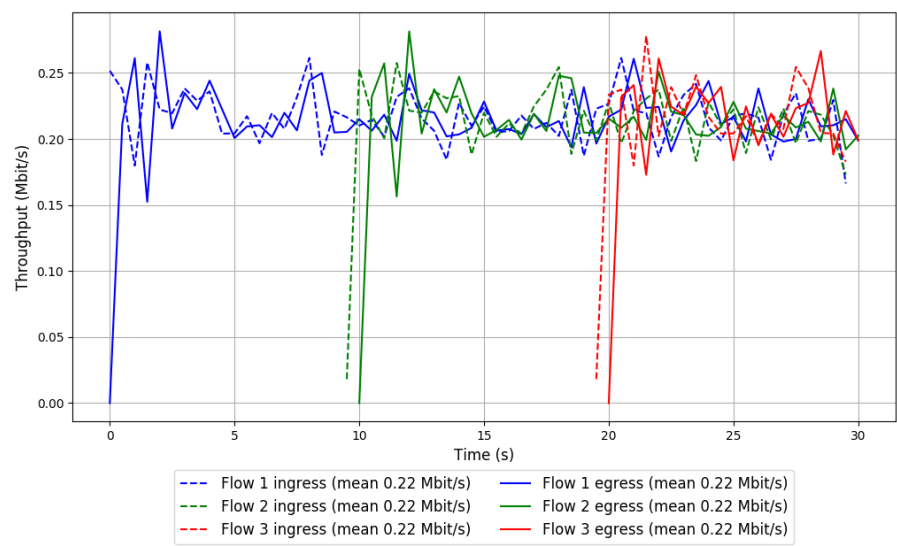


```
Run 1: Statistics of SReAM

Start at: 2018-08-11 07:00:30
End at: 2018-08-11 07:01:00
Local clock offset: -0.124 ms
Remote clock offset: 0.213 ms

# Below is generated by plot.py at 2018-08-11 13:56:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.646 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.461 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

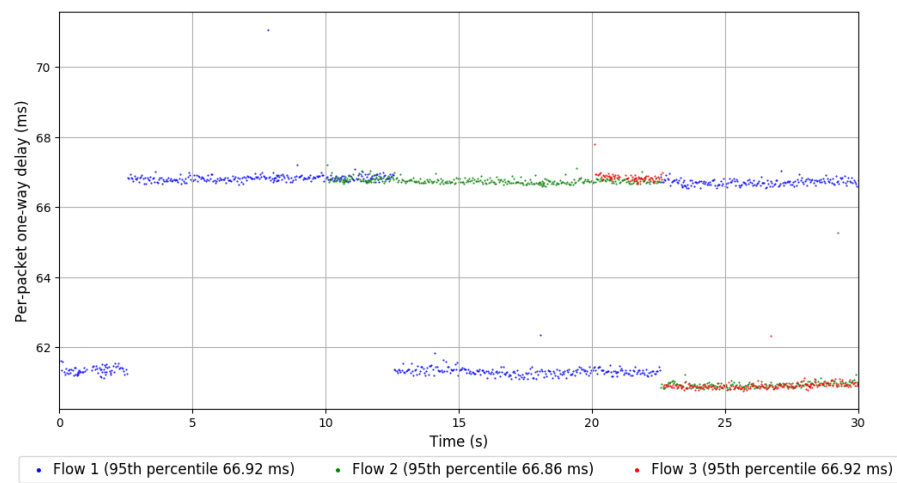
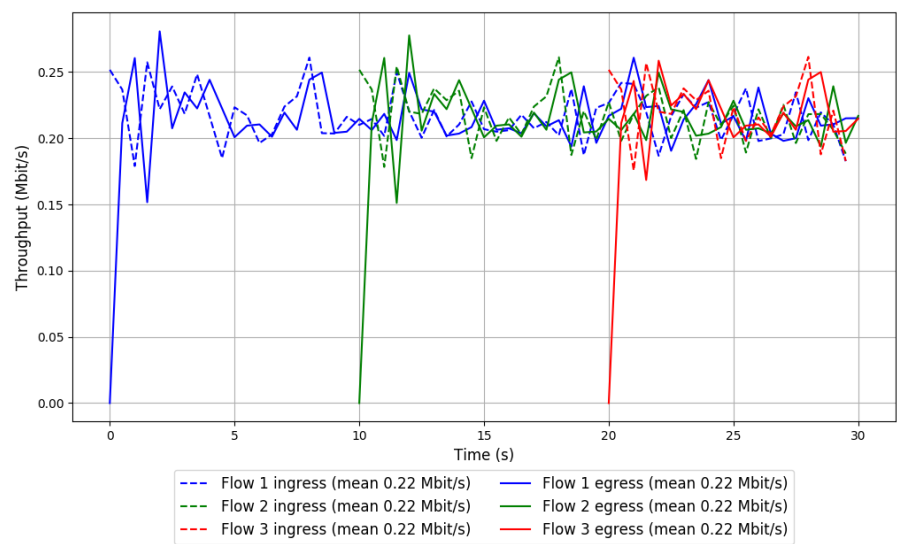


Run 2: Statistics of SReAM

Start at: 2018-08-11 07:26:11
End at: 2018-08-11 07:26:41
Local clock offset: -0.032 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.919 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.862 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.921 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

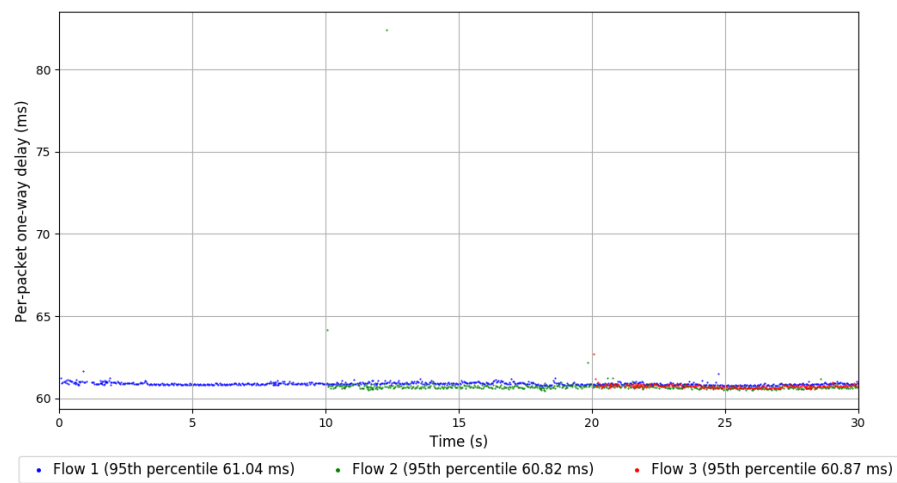
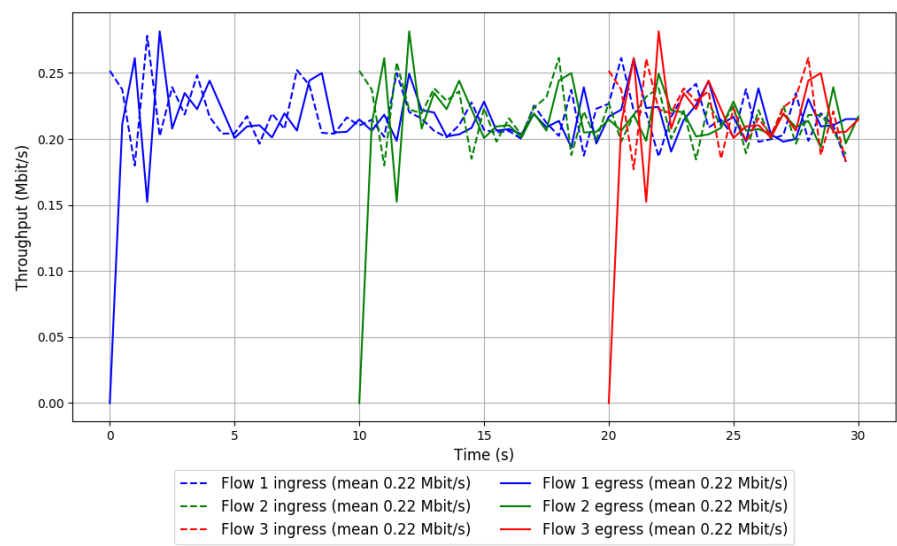


Run 3: Statistics of SReAM

Start at: 2018-08-11 07:52:06
End at: 2018-08-11 07:52:36
Local clock offset: -0.07 ms
Remote clock offset: -0.569 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.823 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.868 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link

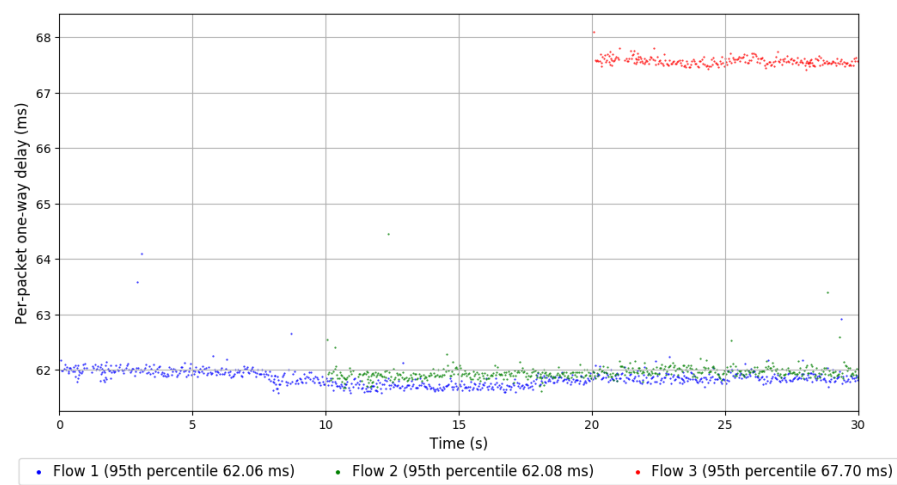
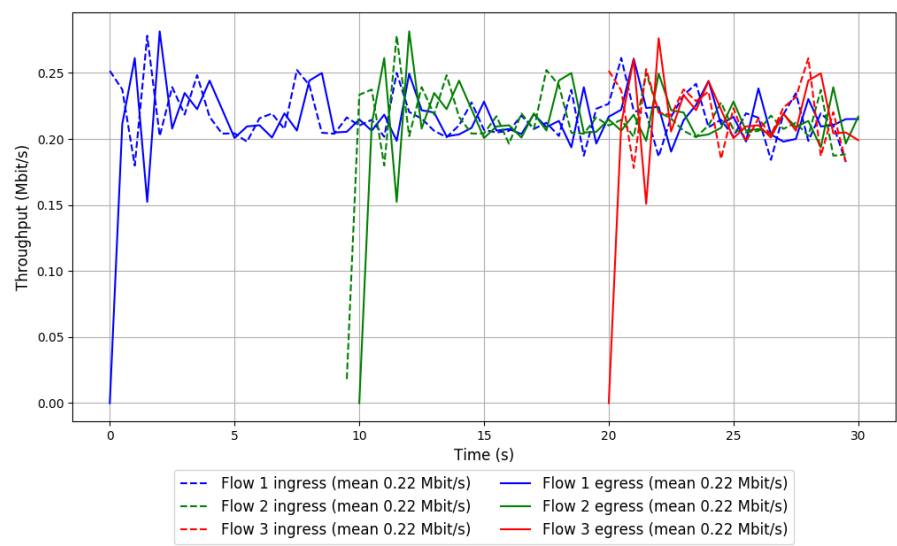


Run 4: Statistics of SReAM

Start at: 2018-08-11 08:17:35
End at: 2018-08-11 08:18:05
Local clock offset: -0.052 ms
Remote clock offset: 0.588 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 67.598 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.082 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 67.697 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

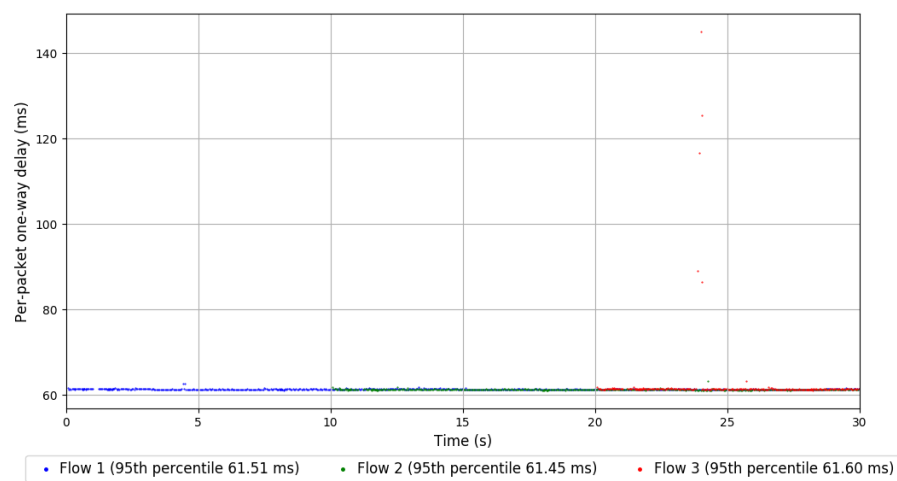
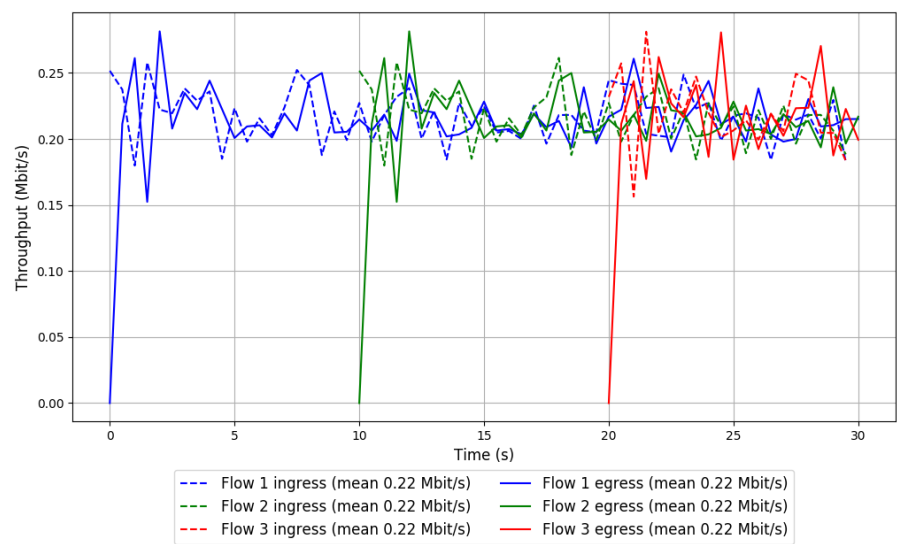


Run 5: Statistics of SReAM

Start at: 2018-08-11 08:43:18
End at: 2018-08-11 08:43:48
Local clock offset: -0.108 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.598 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

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

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

Local clock offset: -0.094 ms

Remote clock offset: 1.259 ms

Below is generated by plot.py at 2018-08-11 13:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 62.989 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.762 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.750 ms

Loss rate: 0.00%

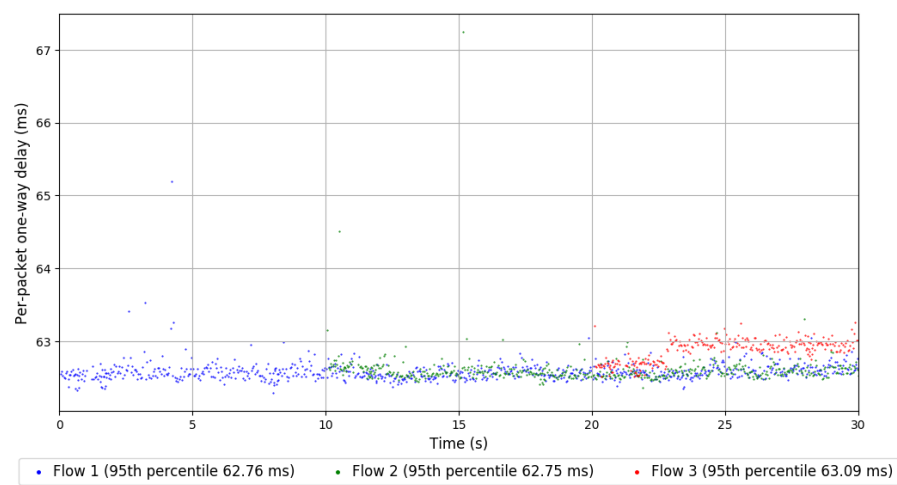
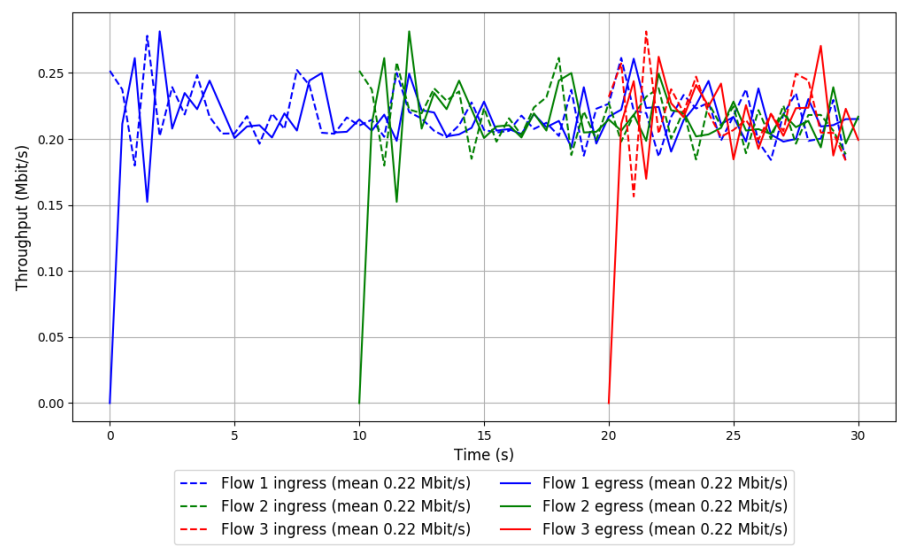
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.089 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

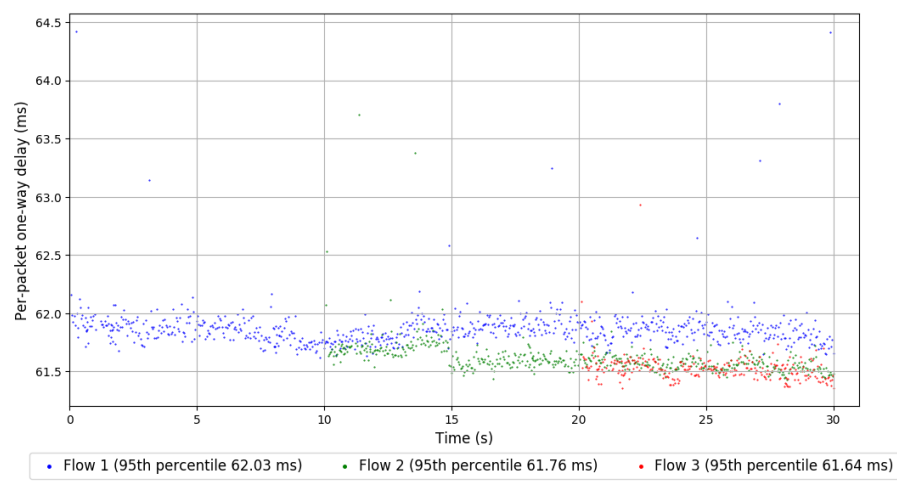
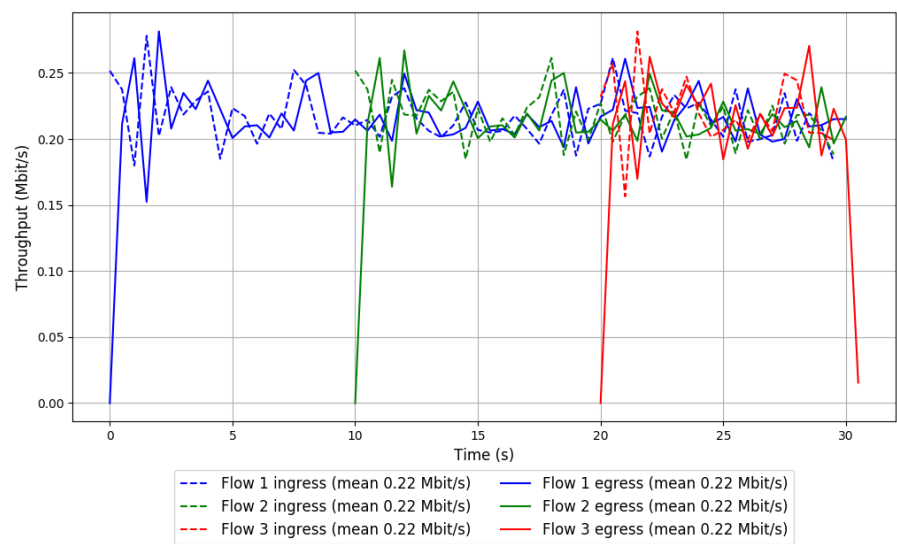


Run 7: Statistics of SReAM

Start at: 2018-08-11 09:36:08
End at: 2018-08-11 09:36:38
Local clock offset: -0.007 ms
Remote clock offset: 0.318 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.026 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.760 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.637 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

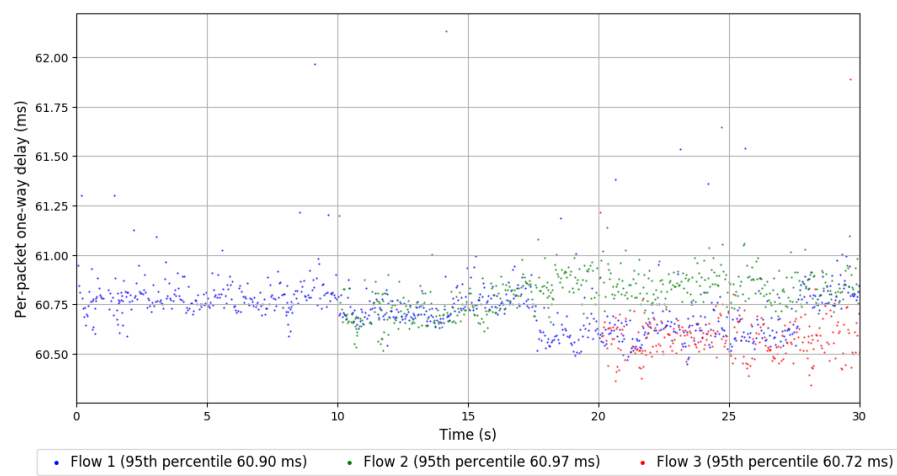
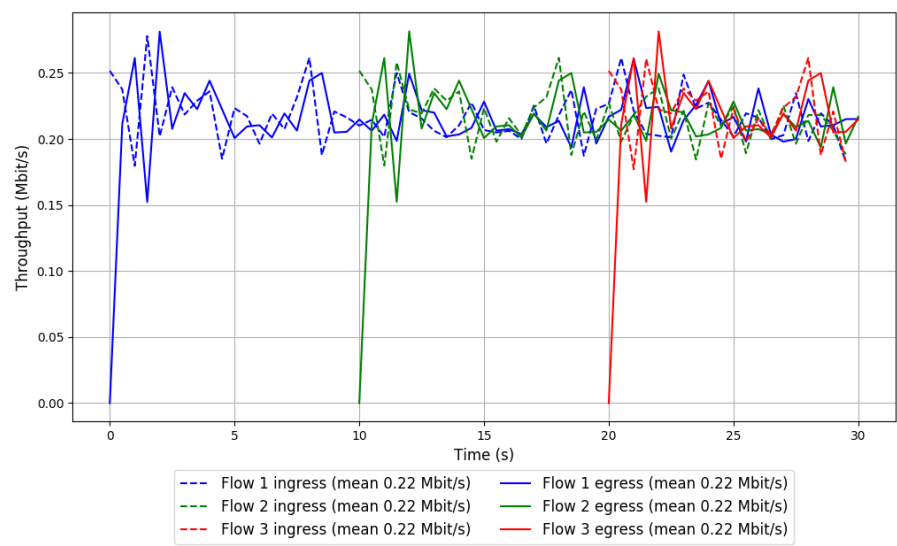


Run 8: Statistics of SReAM

Start at: 2018-08-11 10:03:06
End at: 2018-08-11 10:03:36
Local clock offset: -0.032 ms
Remote clock offset: -0.684 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 60.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.721 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-11 10:29:47

End at: 2018-08-11 10:30:17

Local clock offset: -0.014 ms

Remote clock offset: 0.393 ms

Below is generated by plot.py at 2018-08-11 13:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.936 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.748 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.014 ms

Loss rate: 0.00%

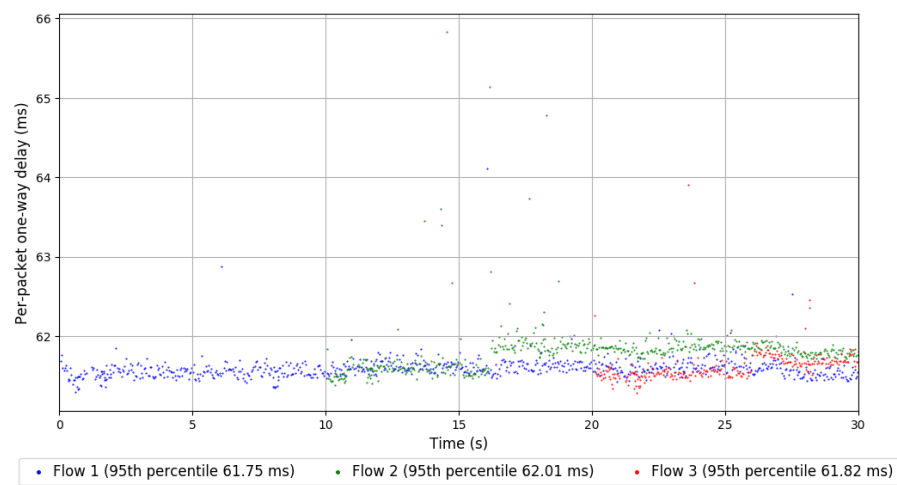
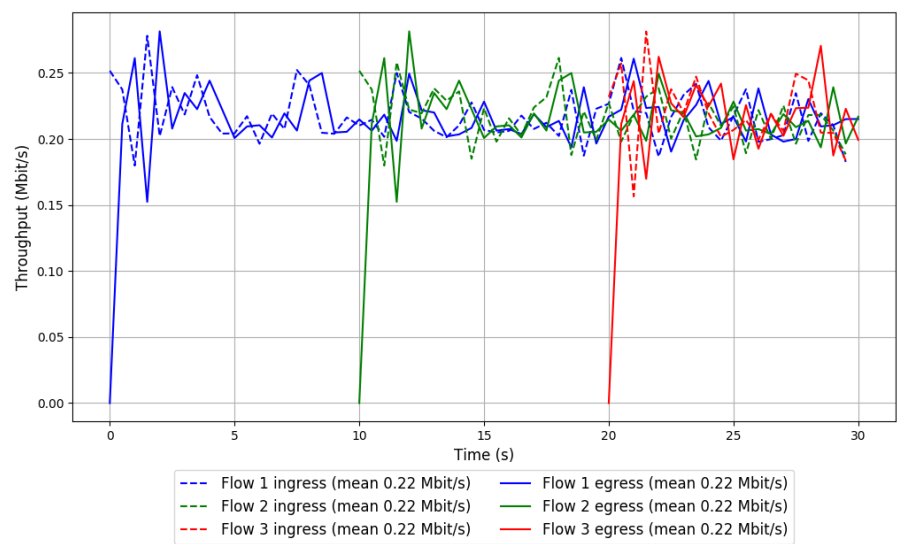
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.818 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

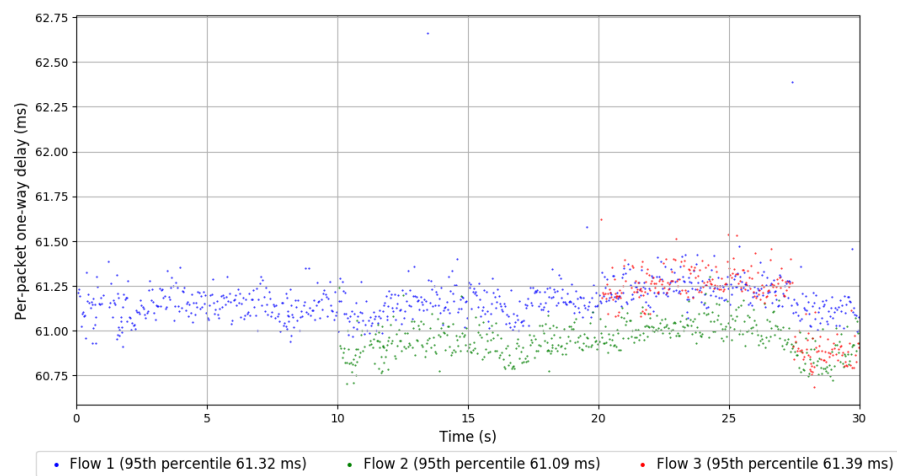
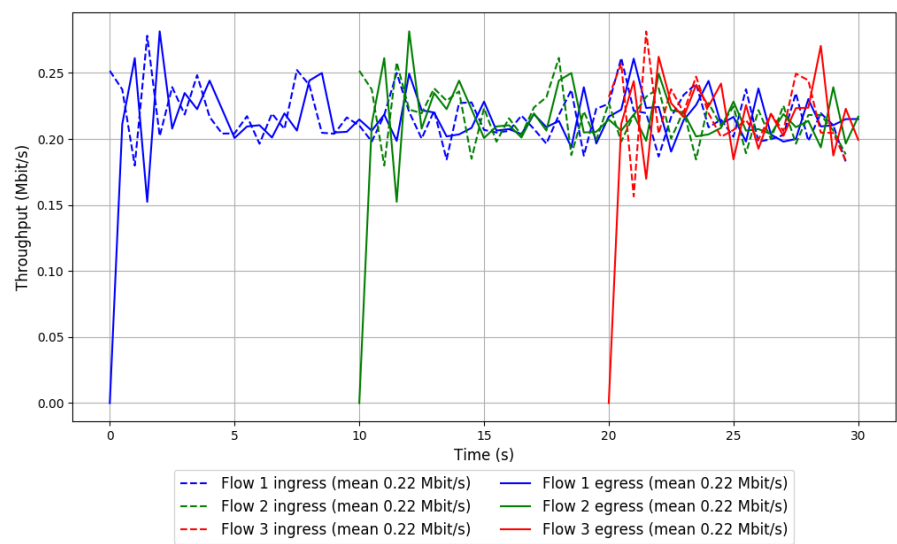


Run 10: Statistics of SReAM

Start at: 2018-08-11 10:56:36
End at: 2018-08-11 10:57:06
Local clock offset: -0.069 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.095 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.391 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-11 06:49:13

End at: 2018-08-11 06:49:43

Local clock offset: -0.096 ms

Remote clock offset: -0.76 ms

Below is generated by plot.py at 2018-08-11 13:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 60.633 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 60.554 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 60.627 ms

Loss rate: 0.00%

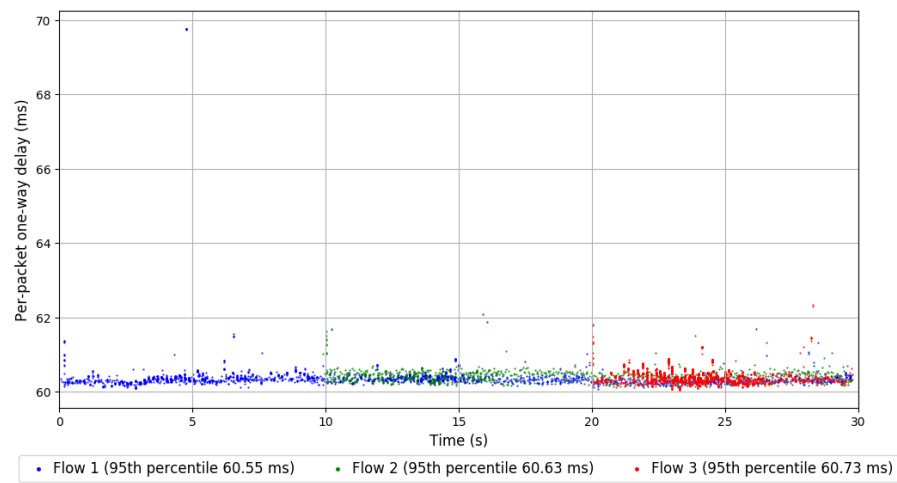
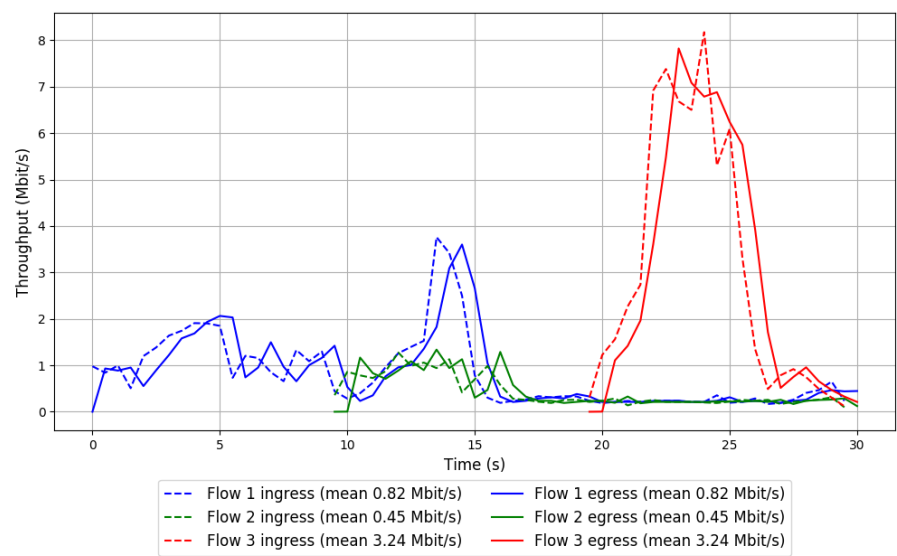
-- Flow 3:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 60.730 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

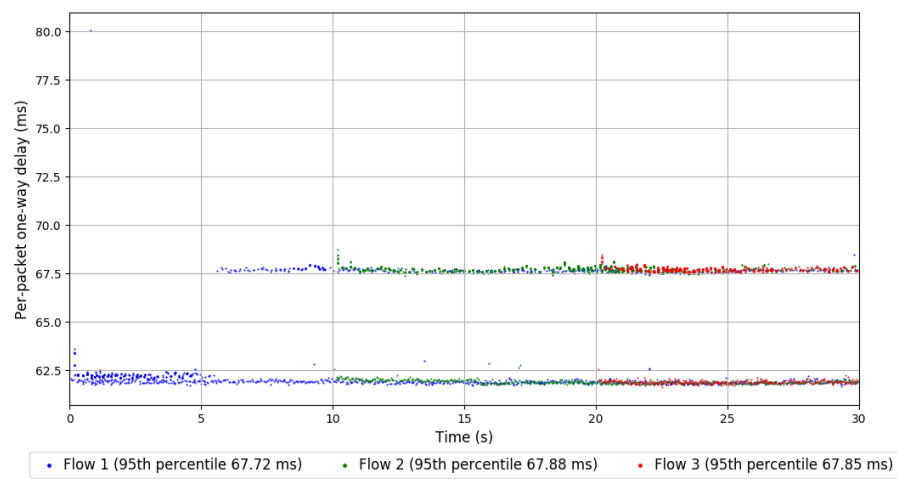
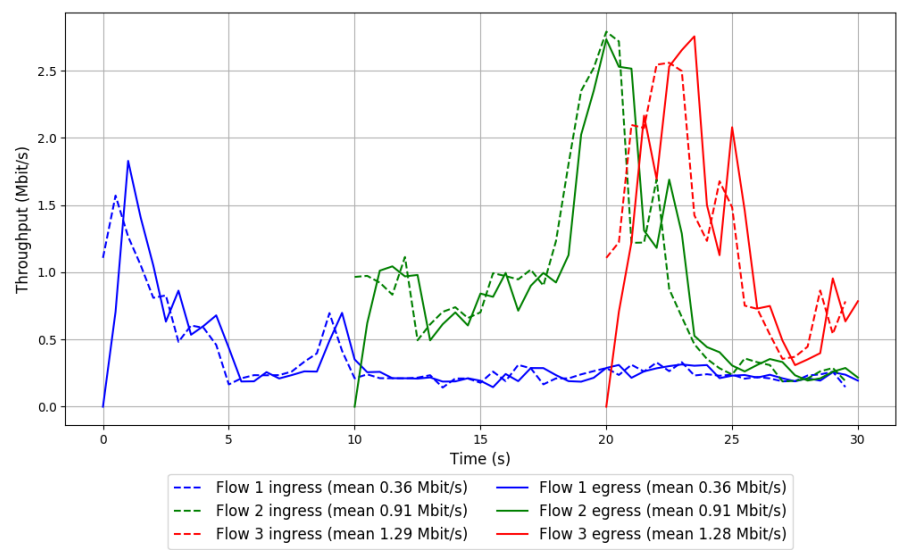


Run 2: Statistics of Sprout

Start at: 2018-08-11 07:15:18
End at: 2018-08-11 07:15:48
Local clock offset: -0.097 ms
Remote clock offset: 0.758 ms

```
# Below is generated by plot.py at 2018-08-11 13:56:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 67.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 67.724 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 67.875 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 67.846 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

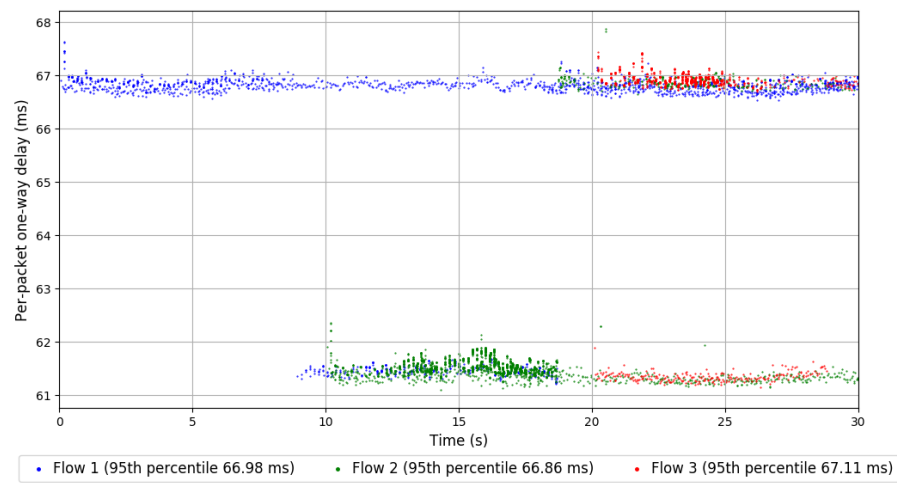
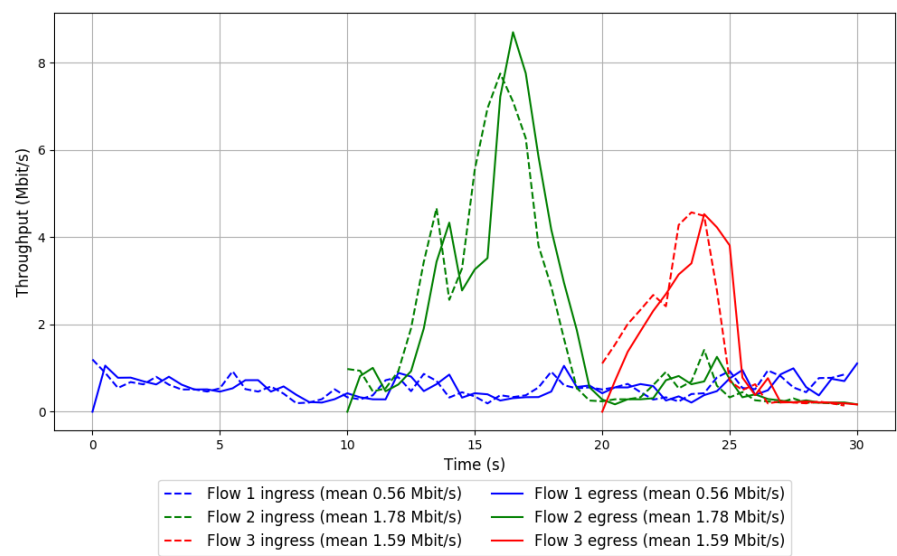


Run 3: Statistics of Sprout

Start at: 2018-08-11 07:41:24
End at: 2018-08-11 07:41:54
Local clock offset: -0.07 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 66.992 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 66.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 66.863 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 67.109 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

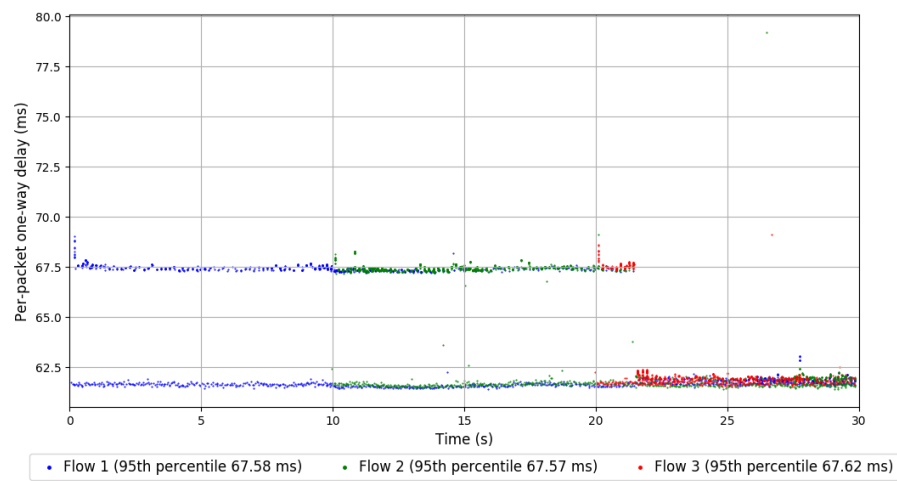
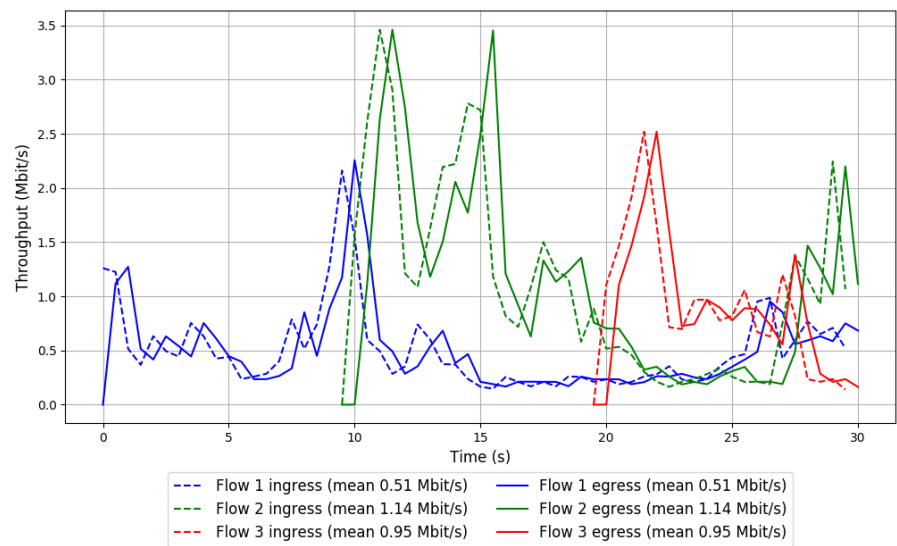


Run 4: Statistics of Sprout

Start at: 2018-08-11 08:06:52
End at: 2018-08-11 08:07:22
Local clock offset: -0.122 ms
Remote clock offset: 0.391 ms

```
# Below is generated by plot.py at 2018-08-11 13:56:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 67.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 67.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 67.568 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 67.618 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

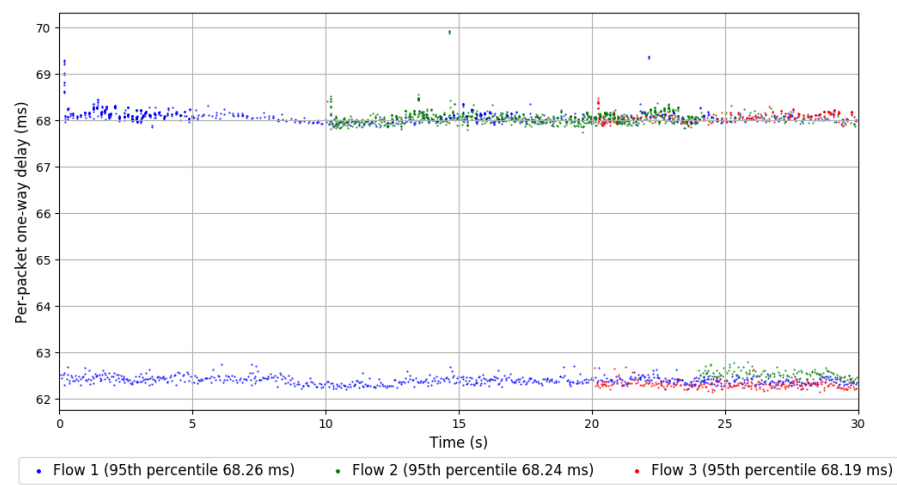
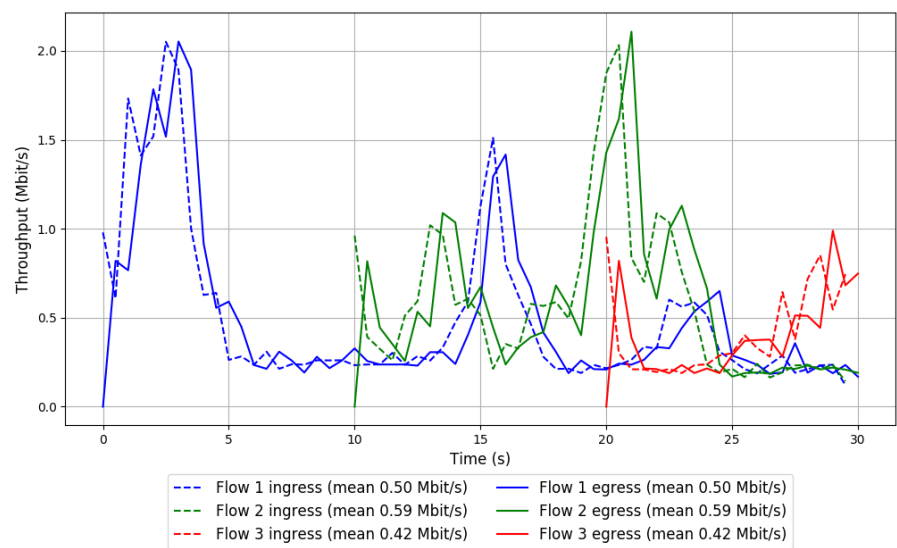


Run 5: Statistics of Sprout

Start at: 2018-08-11 08:32:29
End at: 2018-08-11 08:32:59
Local clock offset: -0.059 ms
Remote clock offset: 1.09 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 68.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 68.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 68.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 68.190 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

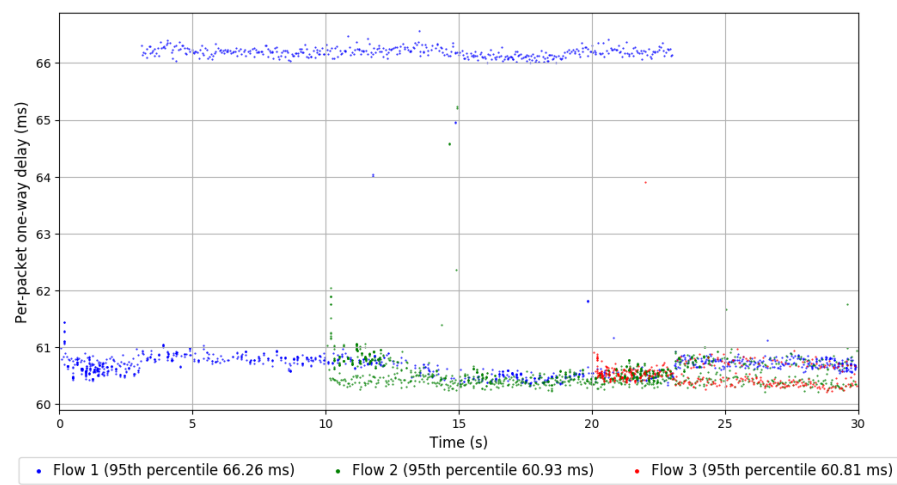
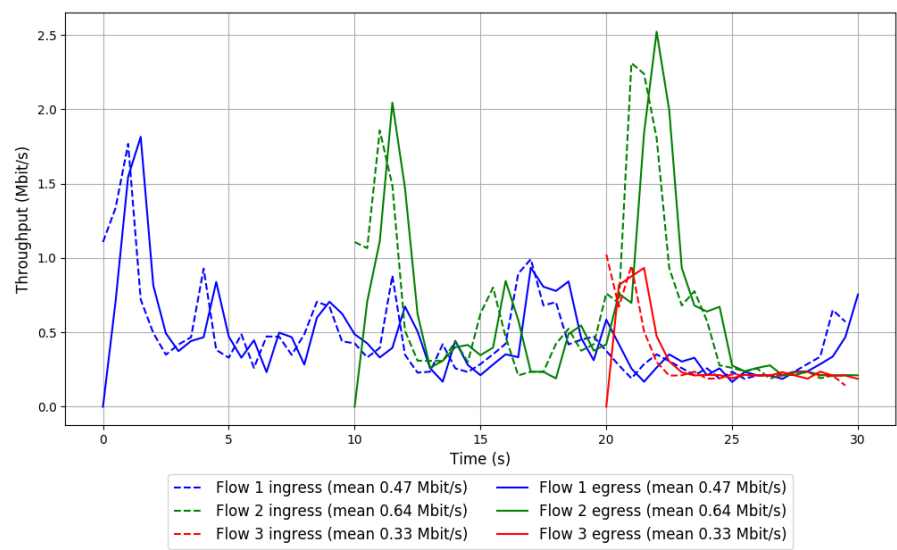


Run 6: Statistics of Sprout

Start at: 2018-08-11 08:58:20
End at: 2018-08-11 08:58:50
Local clock offset: -0.078 ms
Remote clock offset: -0.817 ms

Below is generated by plot.py at 2018-08-11 13:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 66.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 66.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 60.927 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 60.810 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

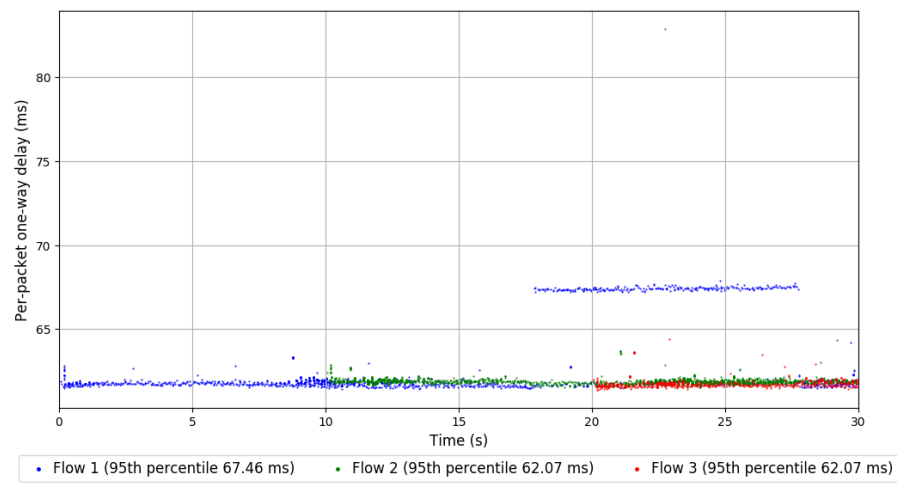
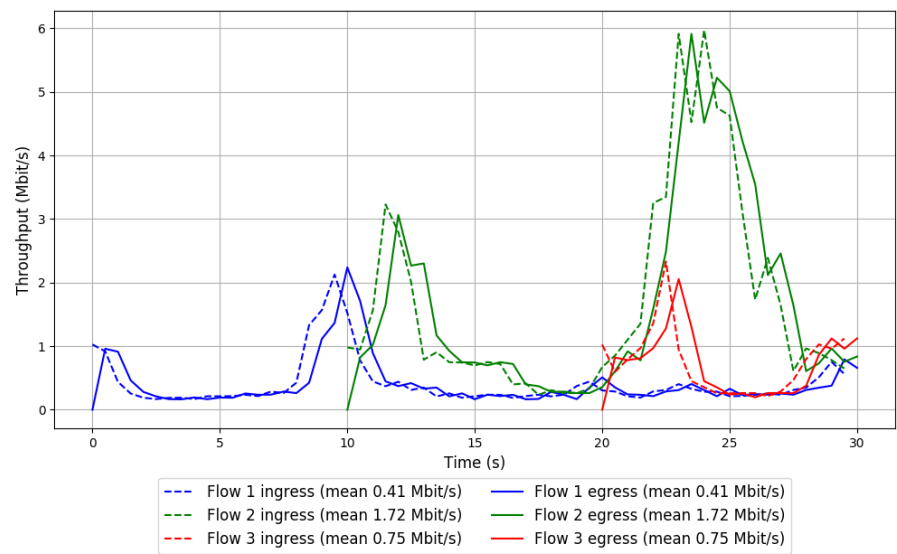


Run 7: Statistics of Sprout

Start at: 2018-08-11 09:24:56
End at: 2018-08-11 09:25:26
Local clock offset: -0.046 ms
Remote clock offset: 0.408 ms

```
# Below is generated by plot.py at 2018-08-11 13:56:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 63.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 67.460 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 62.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 62.066 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

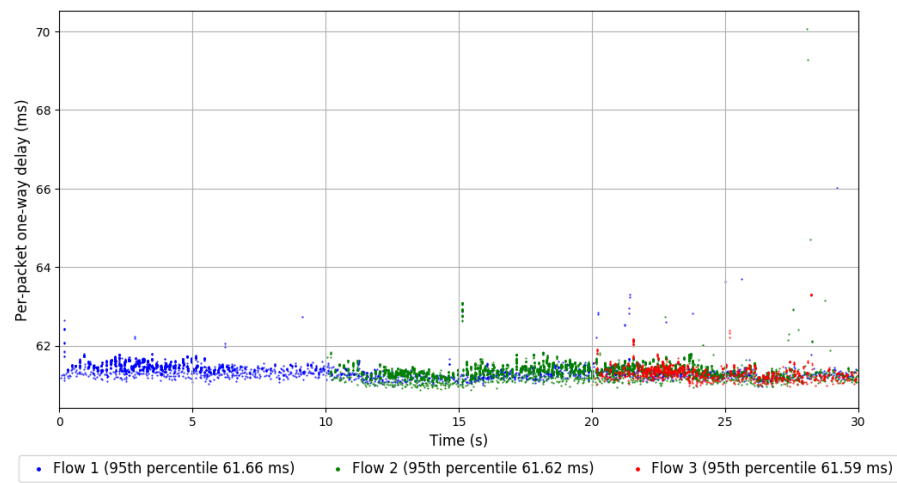
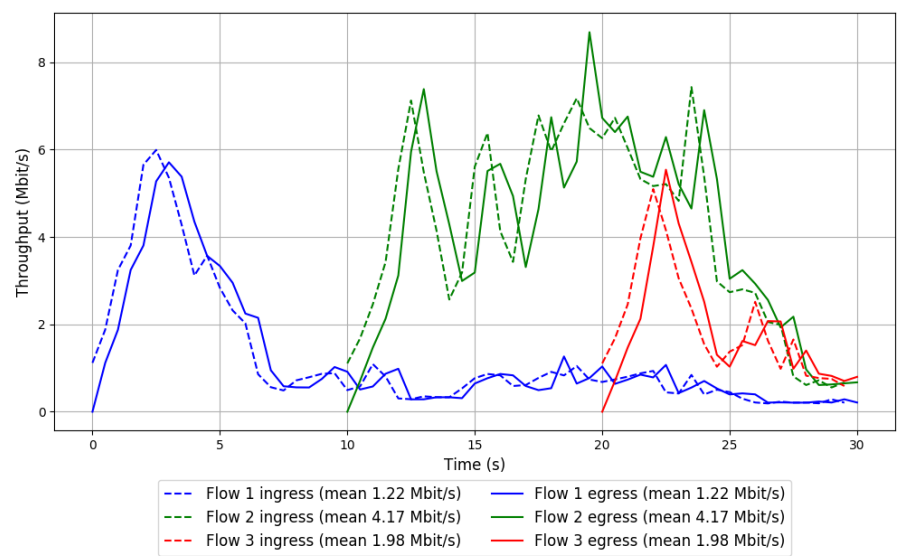


Run 8: Statistics of Sprout

Start at: 2018-08-11 09:51:40
End at: 2018-08-11 09:52:10
Local clock offset: 0.073 ms
Remote clock offset: 0.039 ms

```
# Below is generated by plot.py at 2018-08-11 13:56:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 61.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 61.663 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 61.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 61.586 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

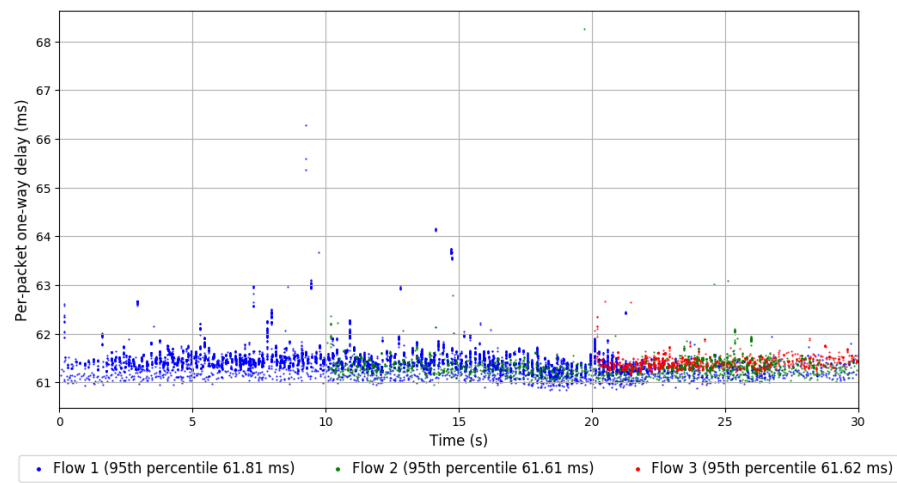
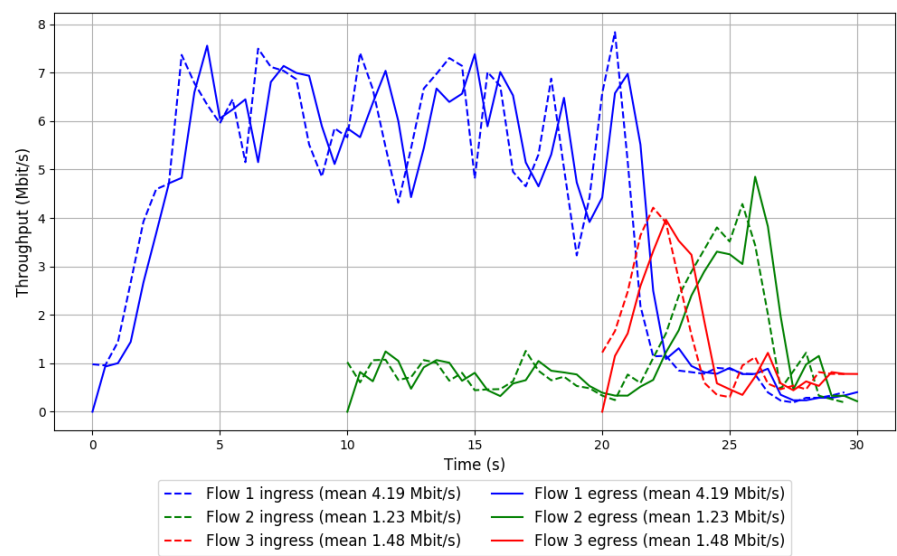


Run 9: Statistics of Sprout

Start at: 2018-08-11 10:18:32
End at: 2018-08-11 10:19:02
Local clock offset: -0.002 ms
Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-08-11 13:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 61.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 61.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 61.611 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 61.616 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

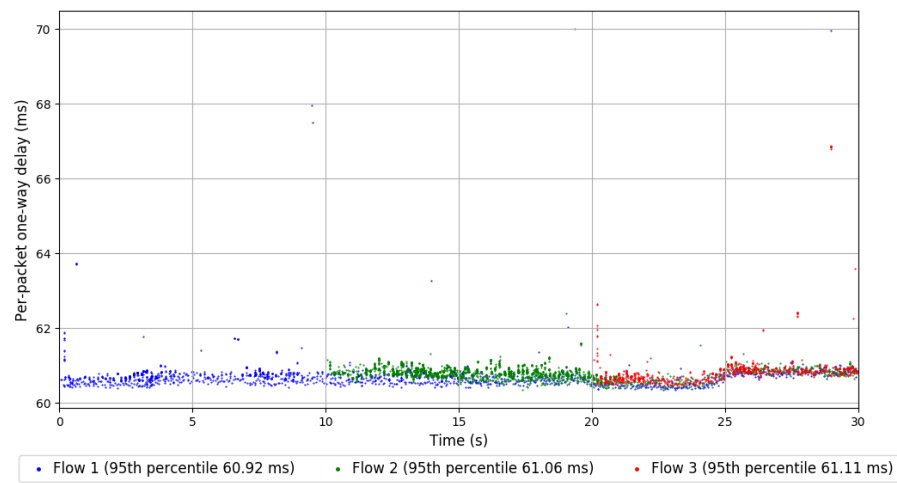
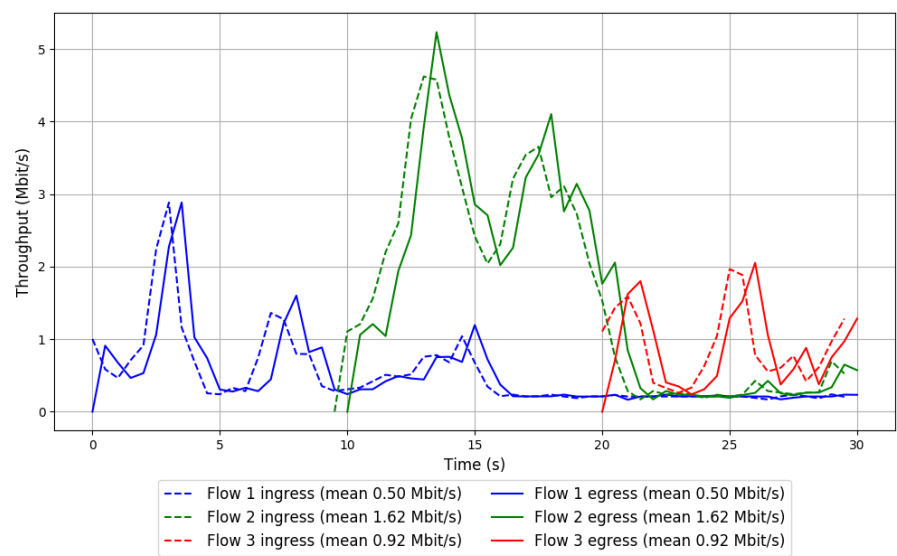


Run 10: Statistics of Sprout

Start at: 2018-08-11 10:45:28
End at: 2018-08-11 10:45:58
Local clock offset: -0.014 ms
Remote clock offset: -0.533 ms

Below is generated by plot.py at 2018-08-11 13:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 61.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 60.917 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 61.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 61.114 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

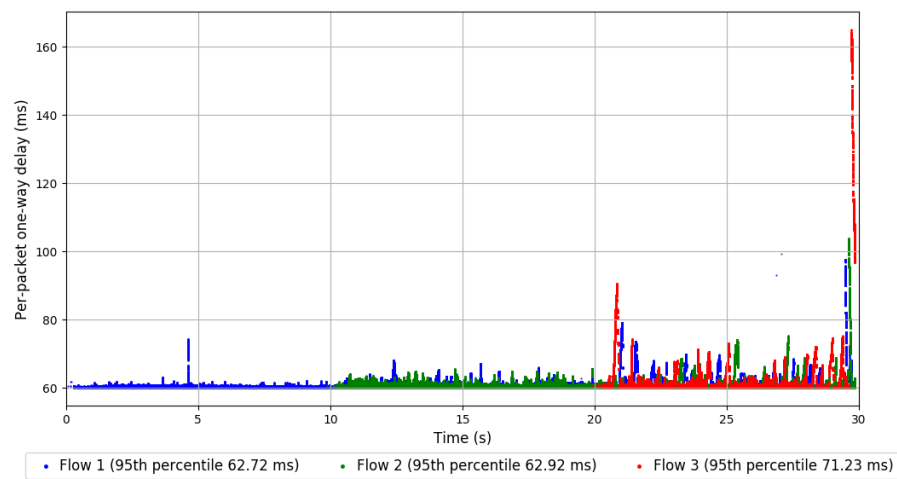
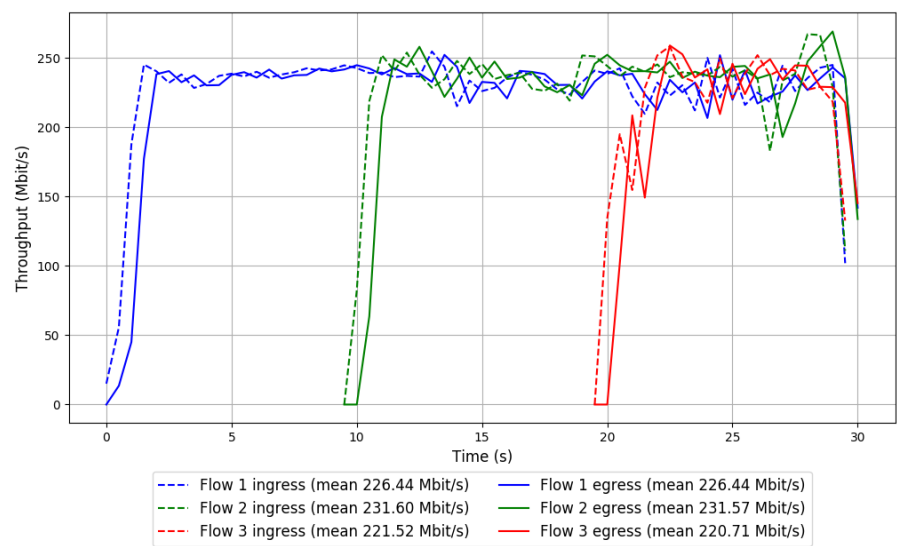


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-11 06:44:37
End at: 2018-08-11 06:45:07
Local clock offset: -0.179 ms
Remote clock offset: -0.825 ms

Below is generated by plot.py at 2018-08-11 14:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 455.18 Mbit/s
95th percentile per-packet one-way delay: 64.140 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 226.44 Mbit/s
95th percentile per-packet one-way delay: 62.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 231.57 Mbit/s
95th percentile per-packet one-way delay: 62.923 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 220.71 Mbit/s
95th percentile per-packet one-way delay: 71.231 ms
Loss rate: 0.32%

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

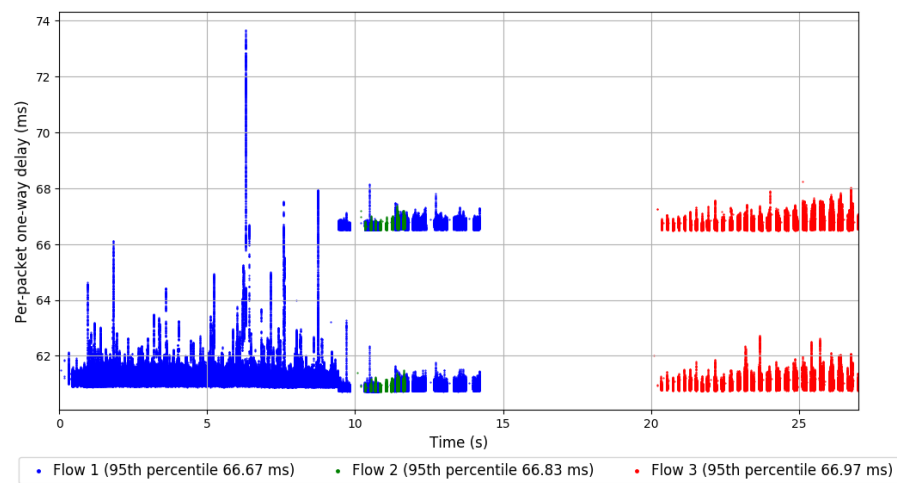
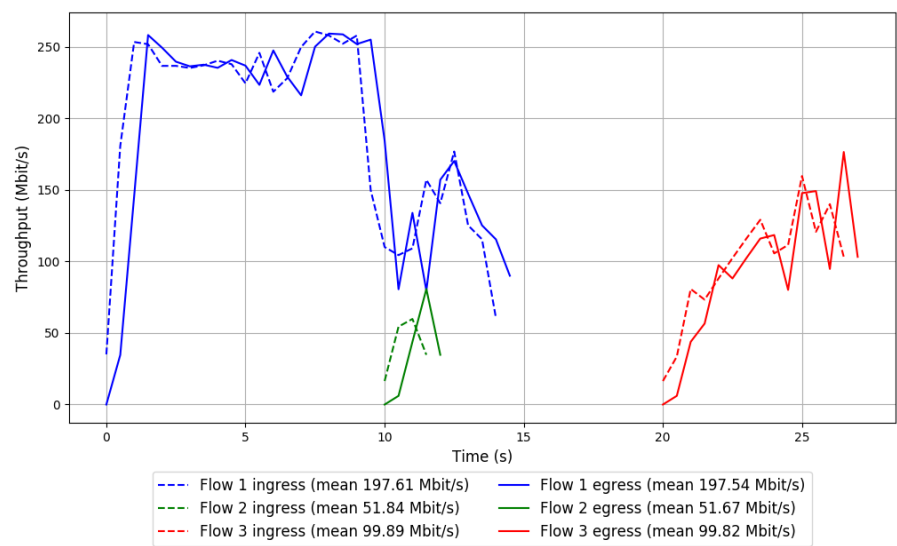


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-11 07:11:14
End at: 2018-08-11 07:11:44
Local clock offset: -0.108 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-11 14:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.41 Mbit/s
95th percentile per-packet one-way delay: 66.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.54 Mbit/s
95th percentile per-packet one-way delay: 66.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.67 Mbit/s
95th percentile per-packet one-way delay: 66.827 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 99.82 Mbit/s
95th percentile per-packet one-way delay: 66.973 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-11 07:37:04

End at: 2018-08-11 07:37:34

Local clock offset: -0.034 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-11 14:03:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.27 Mbit/s

95th percentile per-packet one-way delay: 67.323 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 185.73 Mbit/s

95th percentile per-packet one-way delay: 66.752 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 228.90 Mbit/s

95th percentile per-packet one-way delay: 67.373 ms

Loss rate: 0.02%

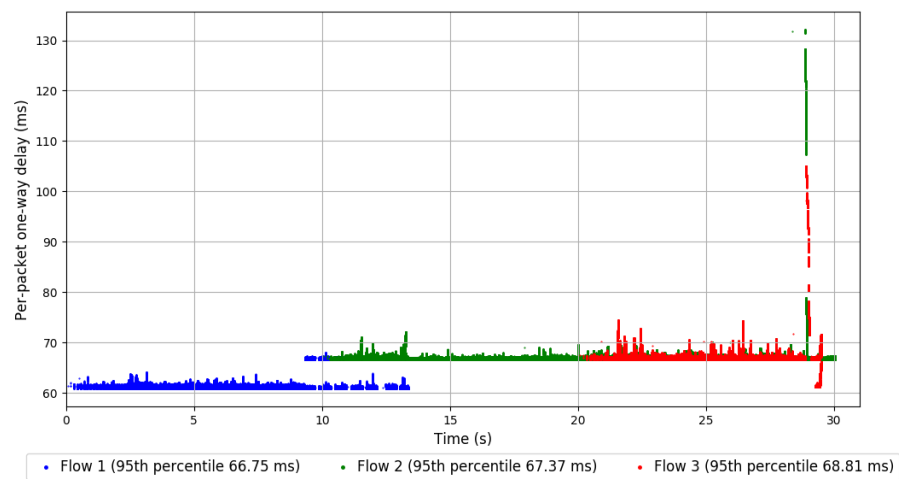
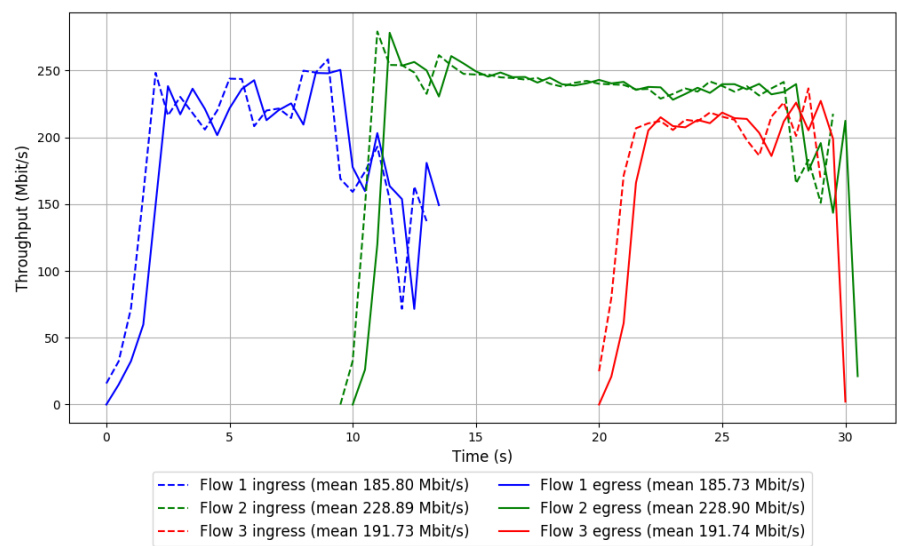
-- Flow 3:

Average throughput: 191.74 Mbit/s

95th percentile per-packet one-way delay: 68.809 ms

Loss rate: 0.00%

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

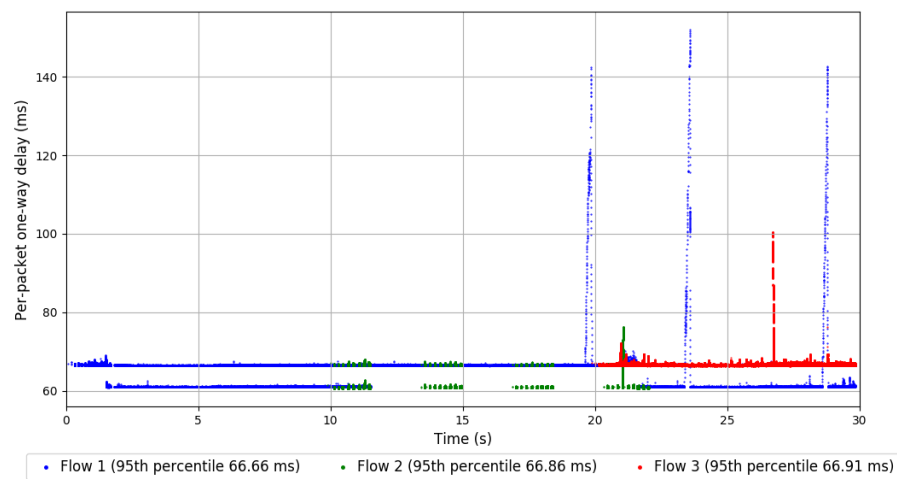
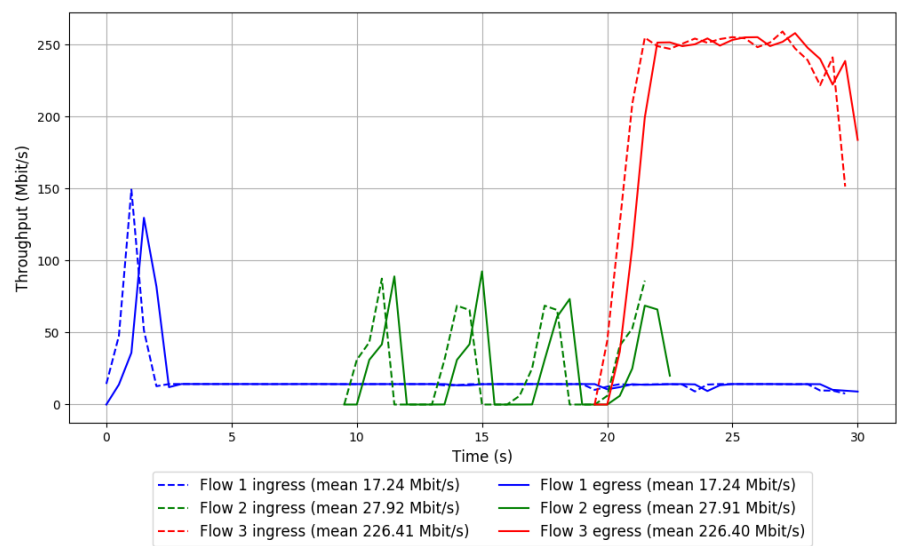


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-11 08:02:52
End at: 2018-08-11 08:03:22
Local clock offset: -0.107 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-08-11 14:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.27 Mbit/s
95th percentile per-packet one-way delay: 66.877 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 17.24 Mbit/s
95th percentile per-packet one-way delay: 66.660 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 66.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 226.40 Mbit/s
95th percentile per-packet one-way delay: 66.914 ms
Loss rate: 0.06%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-11 08:28:30

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

Local clock offset: -0.101 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-08-11 14:03:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.71 Mbit/s

95th percentile per-packet one-way delay: 67.017 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 67.112 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 86.52 Mbit/s

95th percentile per-packet one-way delay: 67.065 ms

Loss rate: 0.00%

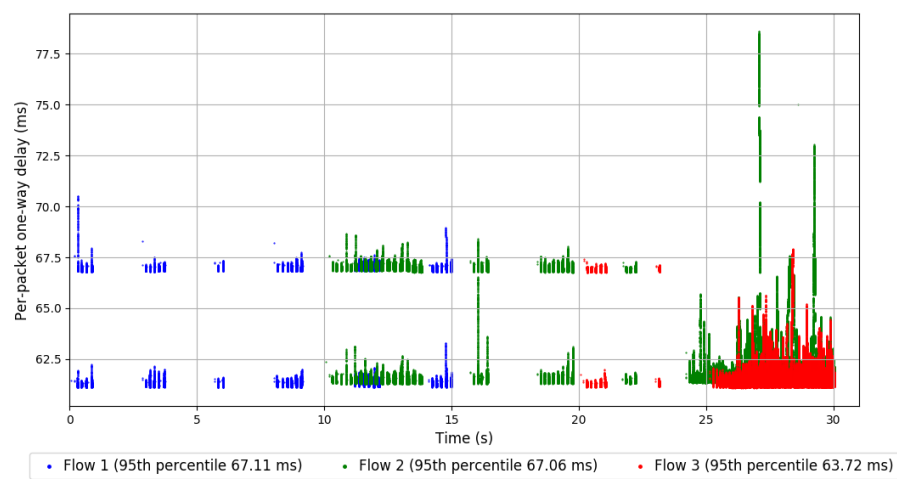
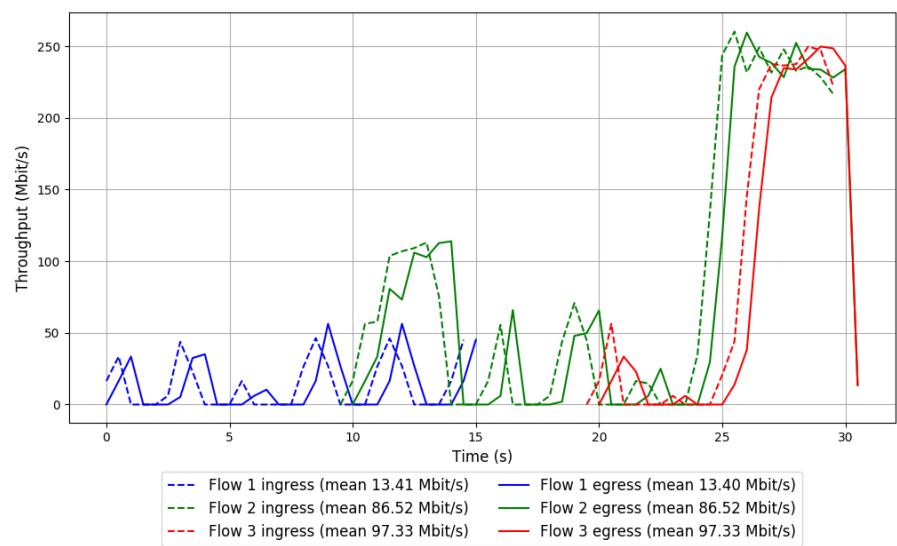
-- Flow 3:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 63.720 ms

Loss rate: 0.00%

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

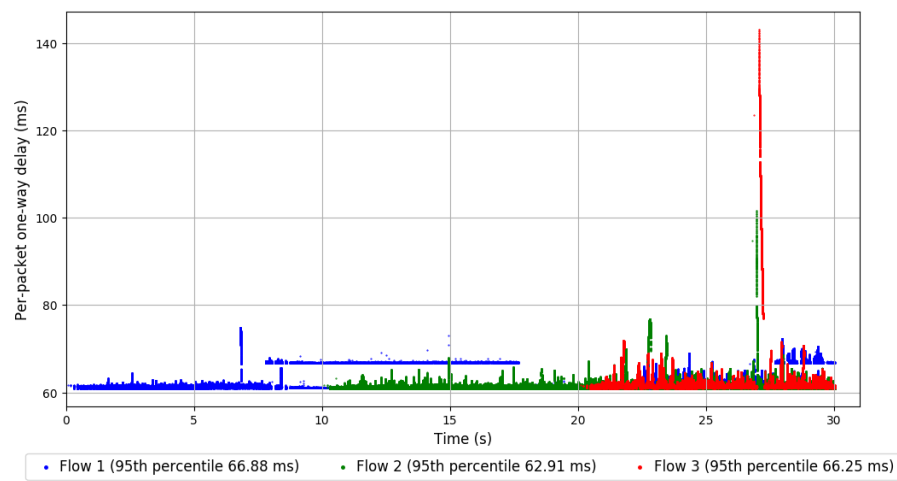
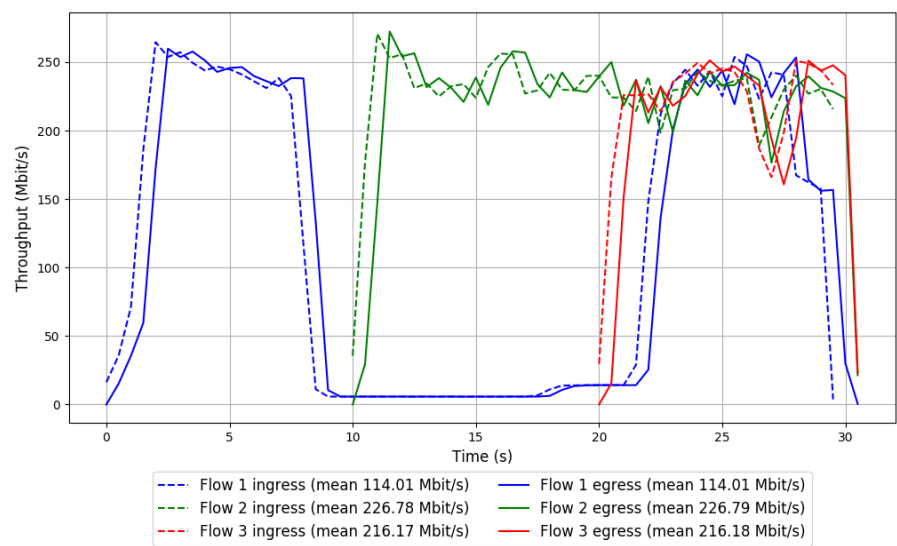


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-11 08:53:56
End at: 2018-08-11 08:54:26
Local clock offset: -0.079 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-11 14:05:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.77 Mbit/s
95th percentile per-packet one-way delay: 64.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.01 Mbit/s
95th percentile per-packet one-way delay: 66.876 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 226.79 Mbit/s
95th percentile per-packet one-way delay: 62.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 216.18 Mbit/s
95th percentile per-packet one-way delay: 66.245 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-11 09:20:22

End at: 2018-08-11 09:20:52

Local clock offset: -0.12 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-08-11 14:06:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 351.27 Mbit/s

95th percentile per-packet one-way delay: 64.813 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 137.03 Mbit/s

95th percentile per-packet one-way delay: 64.588 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 219.39 Mbit/s

95th percentile per-packet one-way delay: 64.416 ms

Loss rate: 0.00%

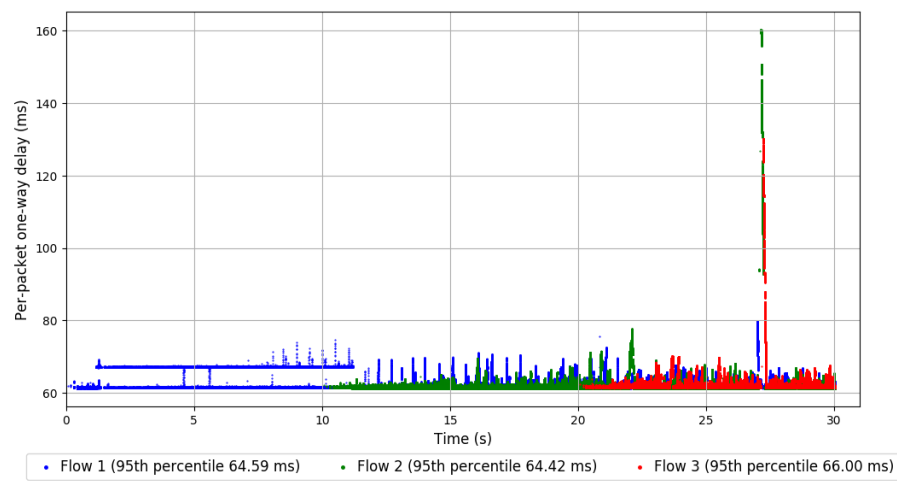
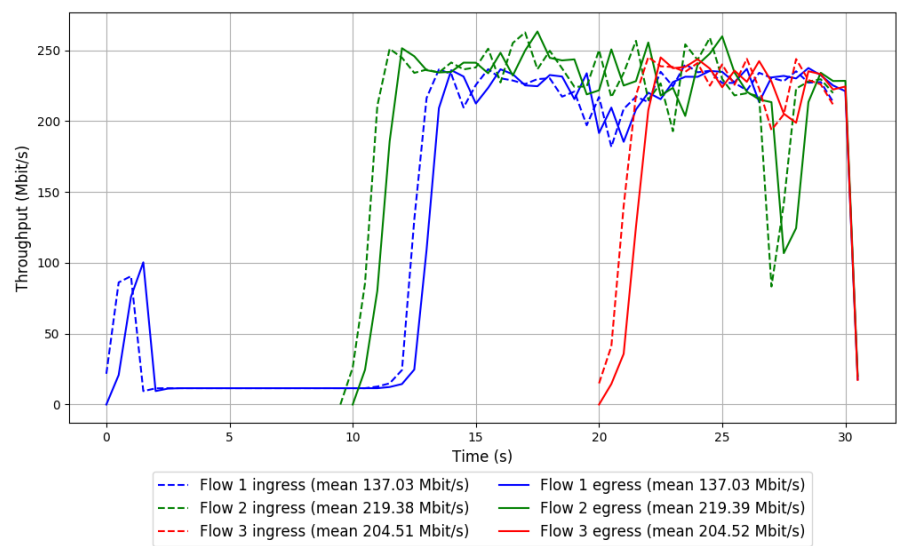
-- Flow 3:

Average throughput: 204.52 Mbit/s

95th percentile per-packet one-way delay: 65.999 ms

Loss rate: 0.00%

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

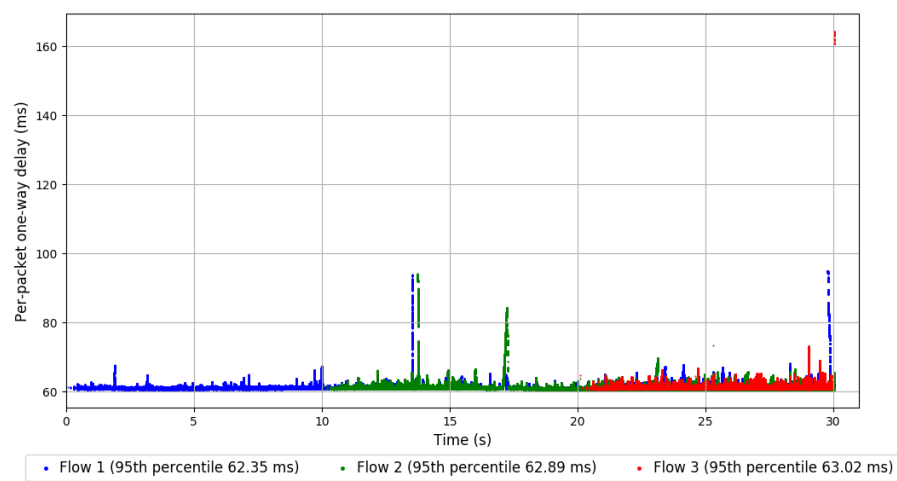
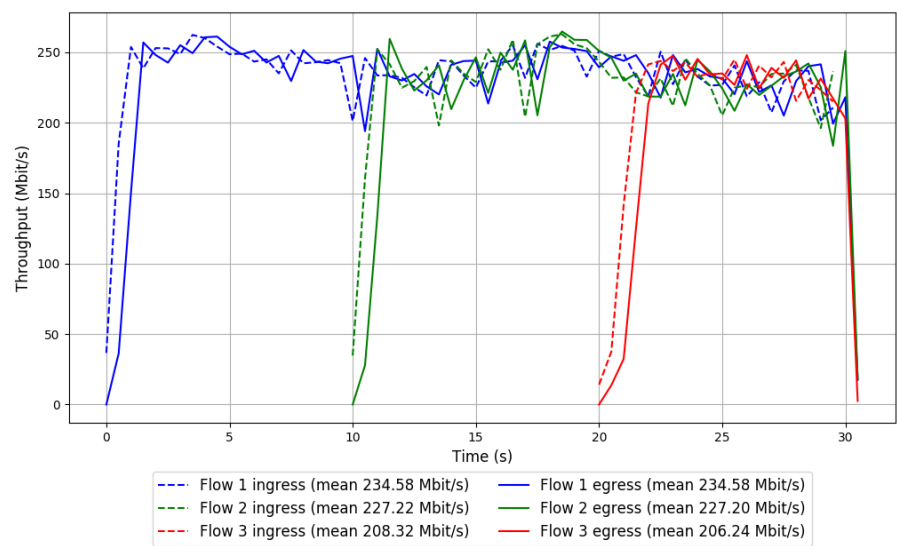


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-11 09:47:05
End at: 2018-08-11 09:47:35
Local clock offset: 0.077 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-11 14:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.30 Mbit/s
95th percentile per-packet one-way delay: 62.660 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 234.58 Mbit/s
95th percentile per-packet one-way delay: 62.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 227.20 Mbit/s
95th percentile per-packet one-way delay: 62.889 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 206.24 Mbit/s
95th percentile per-packet one-way delay: 63.018 ms
Loss rate: 1.03%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-11 10:14:00

End at: 2018-08-11 10:14:30

Local clock offset: 0.058 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-08-11 14:10:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 440.14 Mbit/s

95th percentile per-packet one-way delay: 66.193 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 228.17 Mbit/s

95th percentile per-packet one-way delay: 64.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 215.25 Mbit/s

95th percentile per-packet one-way delay: 66.184 ms

Loss rate: 0.00%

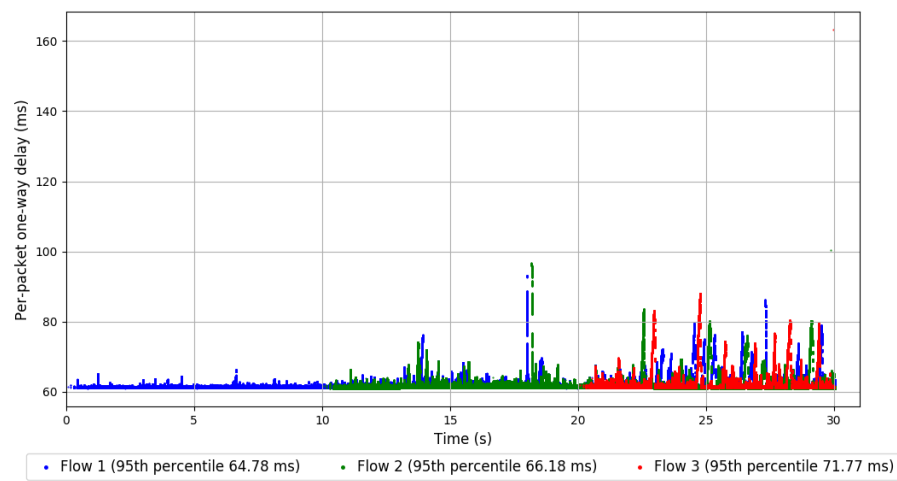
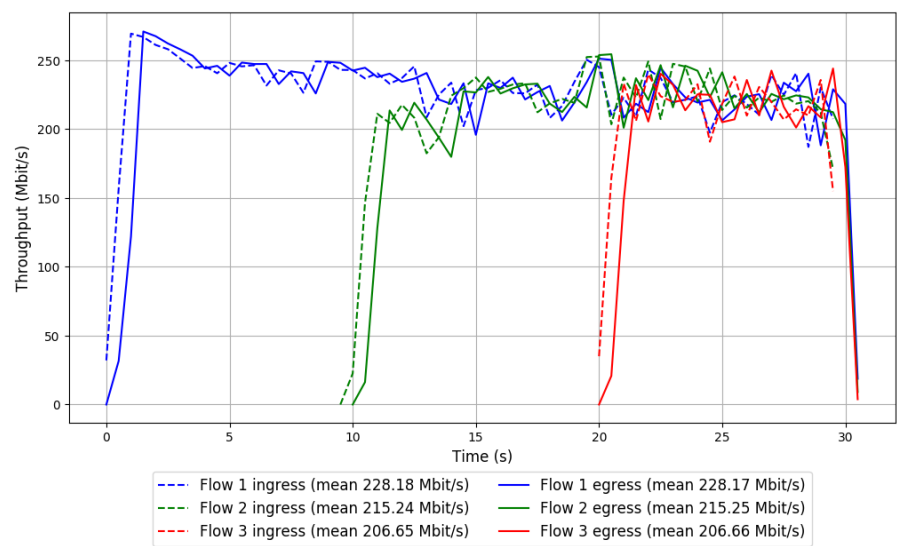
-- Flow 3:

Average throughput: 206.66 Mbit/s

95th percentile per-packet one-way delay: 71.772 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-11 10:40:52

End at: 2018-08-11 10:41:22

Local clock offset: -0.055 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-08-11 14:10:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 432.06 Mbit/s

95th percentile per-packet one-way delay: 63.496 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 221.80 Mbit/s

95th percentile per-packet one-way delay: 62.385 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 221.76 Mbit/s

95th percentile per-packet one-way delay: 63.843 ms

Loss rate: 0.00%

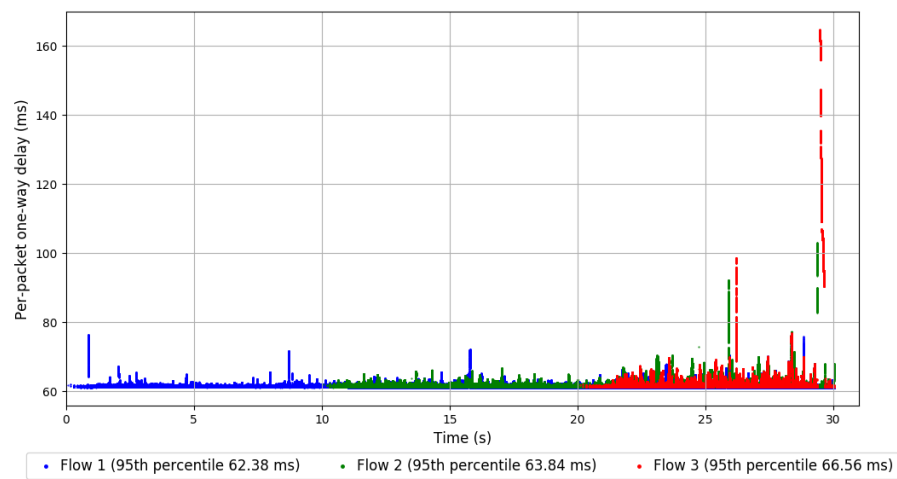
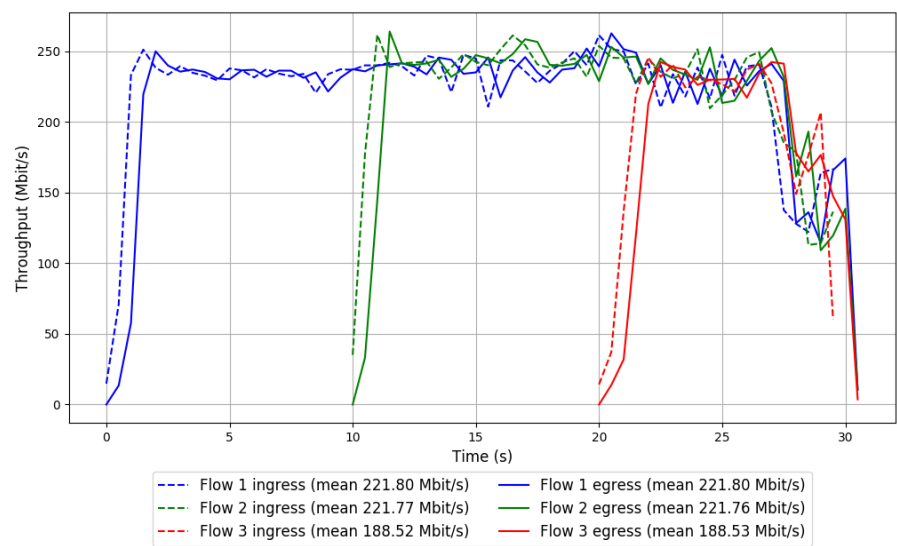
-- Flow 3:

Average throughput: 188.53 Mbit/s

95th percentile per-packet one-way delay: 66.564 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-11 07:01:39

End at: 2018-08-11 07:02:09

Local clock offset: -0.161 ms

Remote clock offset: 0.537 ms

Below is generated by plot.py at 2018-08-11 14:10:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.35 Mbit/s

95th percentile per-packet one-way delay: 62.784 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 111.34 Mbit/s

95th percentile per-packet one-way delay: 62.643 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 125.81 Mbit/s

95th percentile per-packet one-way delay: 62.796 ms

Loss rate: 0.00%

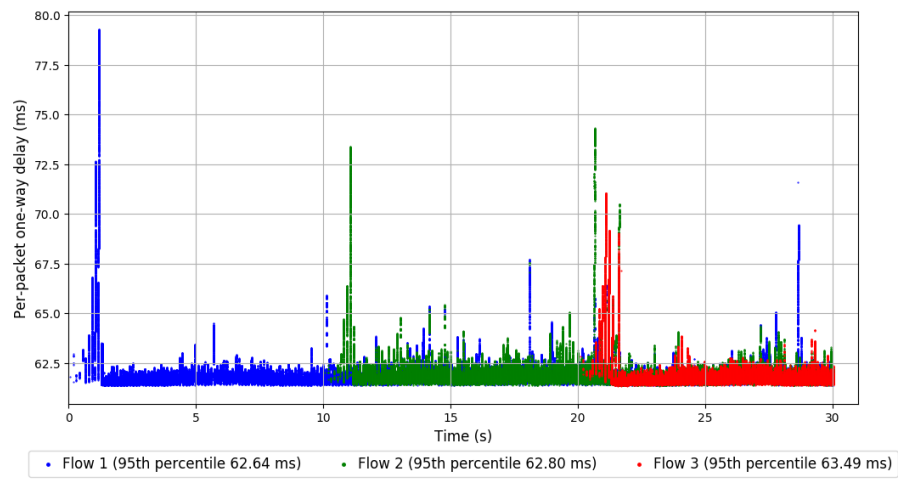
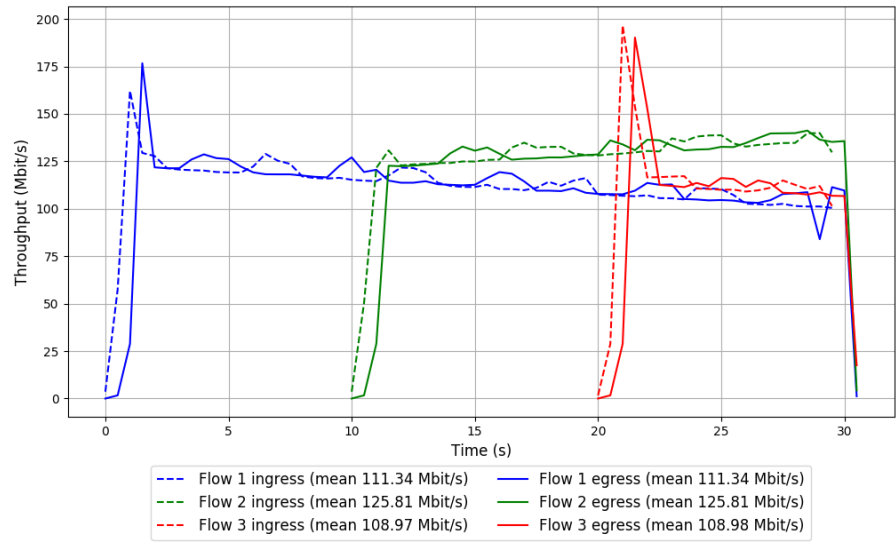
-- Flow 3:

Average throughput: 108.98 Mbit/s

95th percentile per-packet one-way delay: 63.486 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

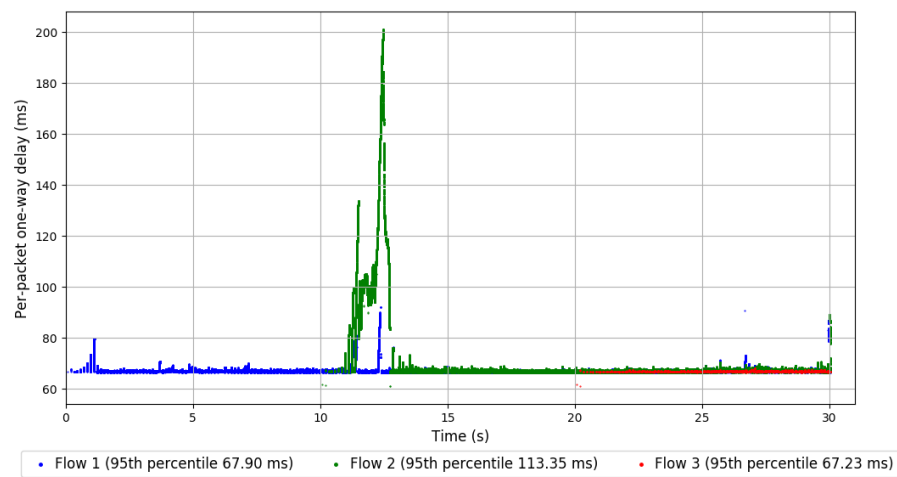
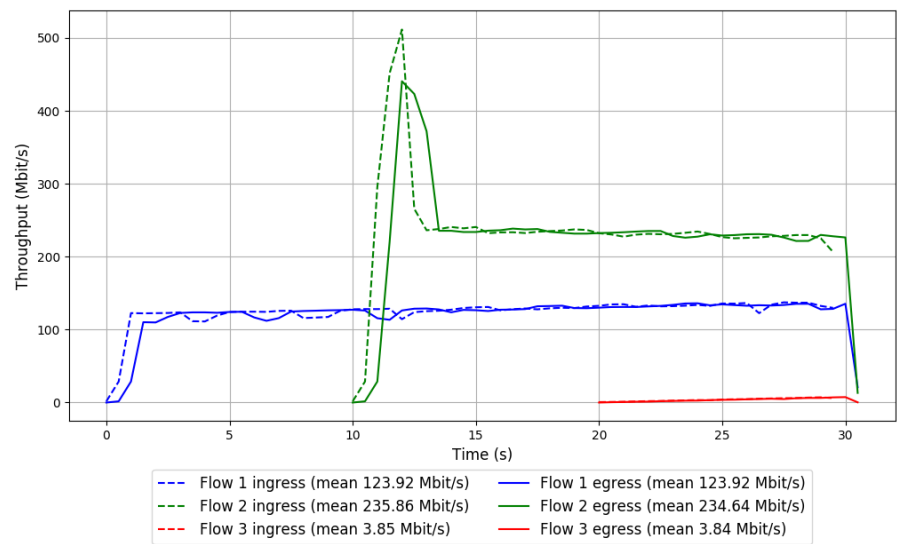


Run 2: Statistics of TCP Vegas

Start at: 2018-08-11 07:27:19
End at: 2018-08-11 07:27:49
Local clock offset: -0.029 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-11 14:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.54 Mbit/s
95th percentile per-packet one-way delay: 98.703 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 123.92 Mbit/s
95th percentile per-packet one-way delay: 67.901 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 234.64 Mbit/s
95th percentile per-packet one-way delay: 113.354 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 67.229 ms
Loss rate: 0.19%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-11 07:53:15

End at: 2018-08-11 07:53:45

Local clock offset: -0.056 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-08-11 14:10:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.78 Mbit/s

95th percentile per-packet one-way delay: 67.932 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 125.92 Mbit/s

95th percentile per-packet one-way delay: 68.036 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 7.70 Mbit/s

95th percentile per-packet one-way delay: 67.266 ms

Loss rate: 0.50%

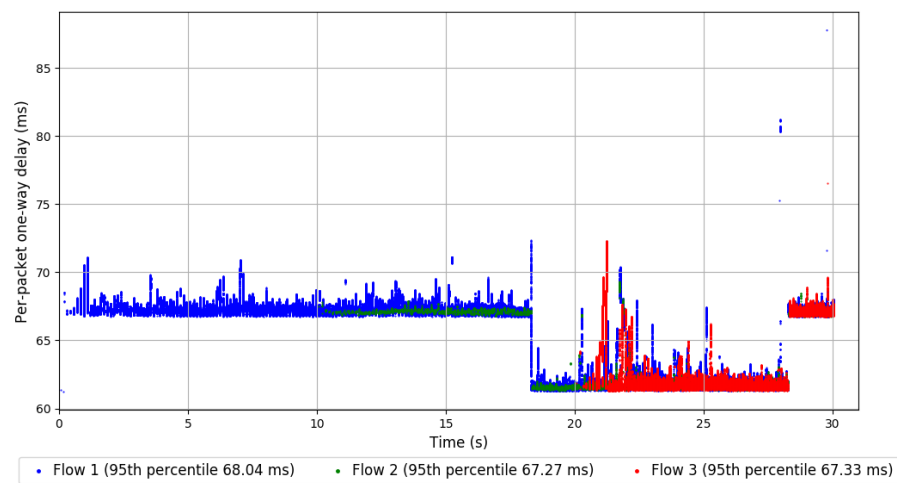
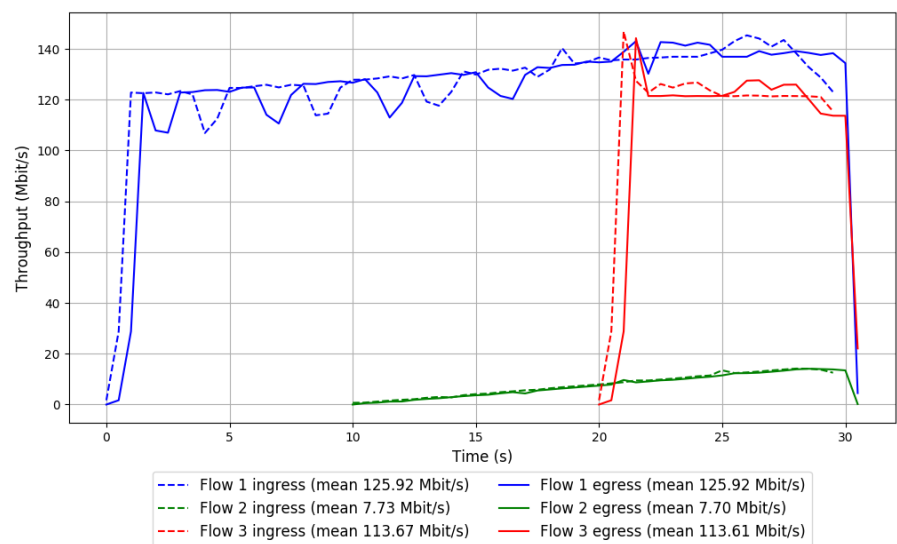
-- Flow 3:

Average throughput: 113.61 Mbit/s

95th percentile per-packet one-way delay: 67.326 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

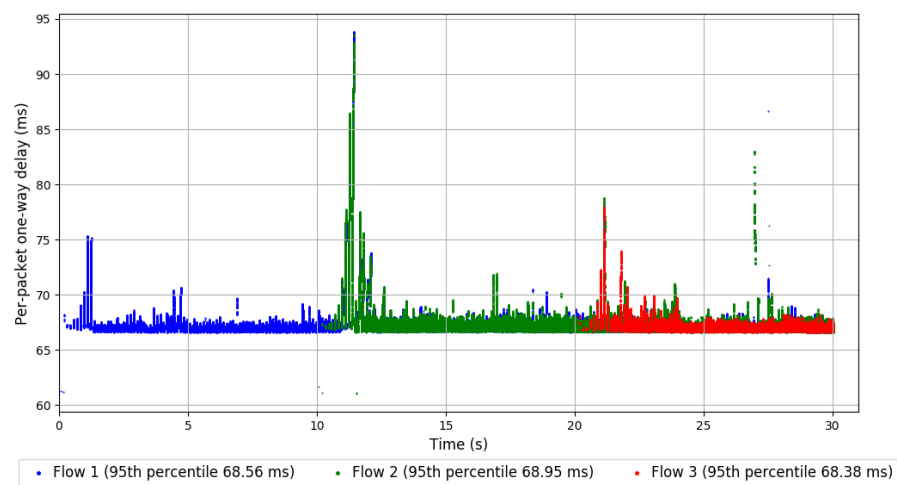
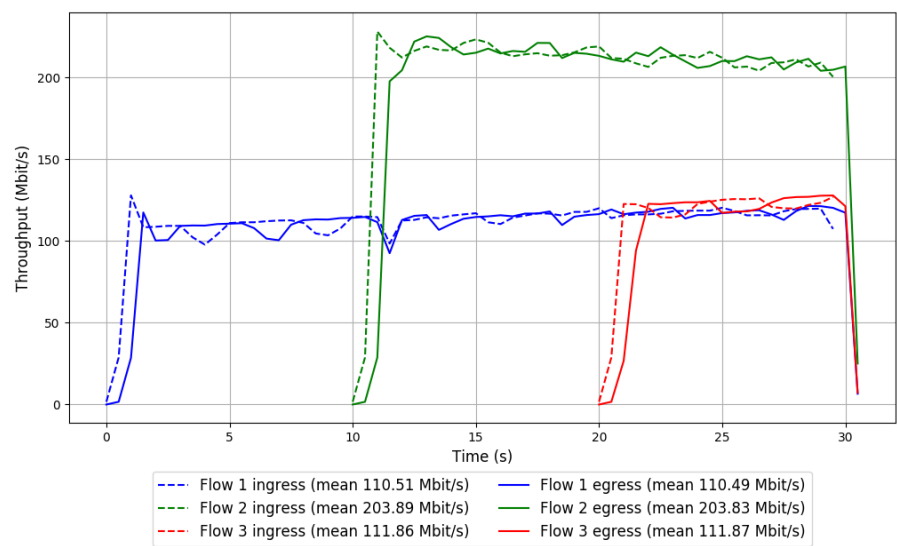


Run 4: Statistics of TCP Vegas

Start at: 2018-08-11 08:18:44
End at: 2018-08-11 08:19:14
Local clock offset: -0.078 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-11 14:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.35 Mbit/s
95th percentile per-packet one-way delay: 68.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.49 Mbit/s
95th percentile per-packet one-way delay: 68.555 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 203.83 Mbit/s
95th percentile per-packet one-way delay: 68.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 111.87 Mbit/s
95th percentile per-packet one-way delay: 68.377 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

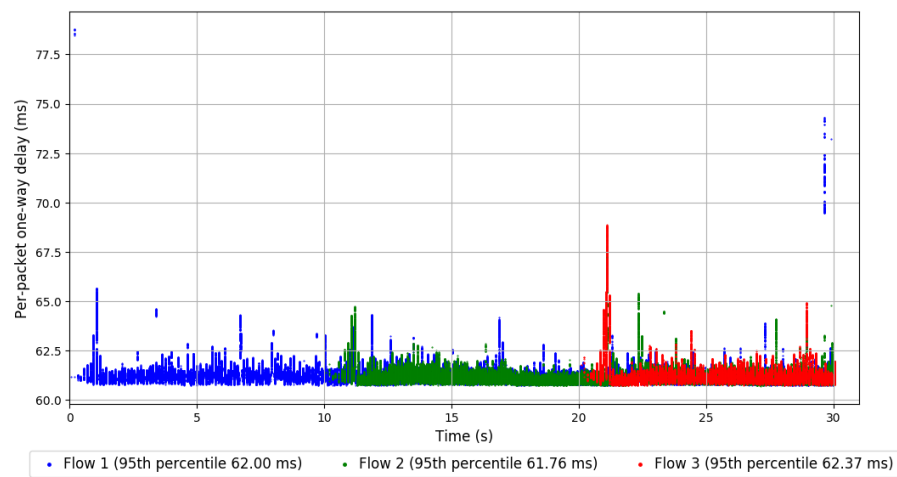
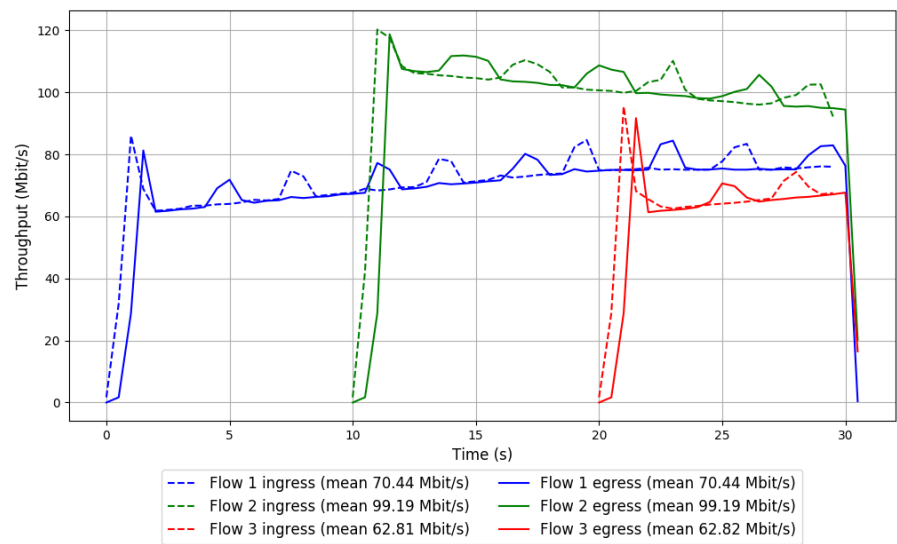


Run 5: Statistics of TCP Vegas

Start at: 2018-08-11 08:44:27
End at: 2018-08-11 08:44:57
Local clock offset: -0.08 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-08-11 14:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.35 Mbit/s
95th percentile per-packet one-way delay: 61.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.44 Mbit/s
95th percentile per-packet one-way delay: 62.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.19 Mbit/s
95th percentile per-packet one-way delay: 61.763 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.82 Mbit/s
95th percentile per-packet one-way delay: 62.372 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

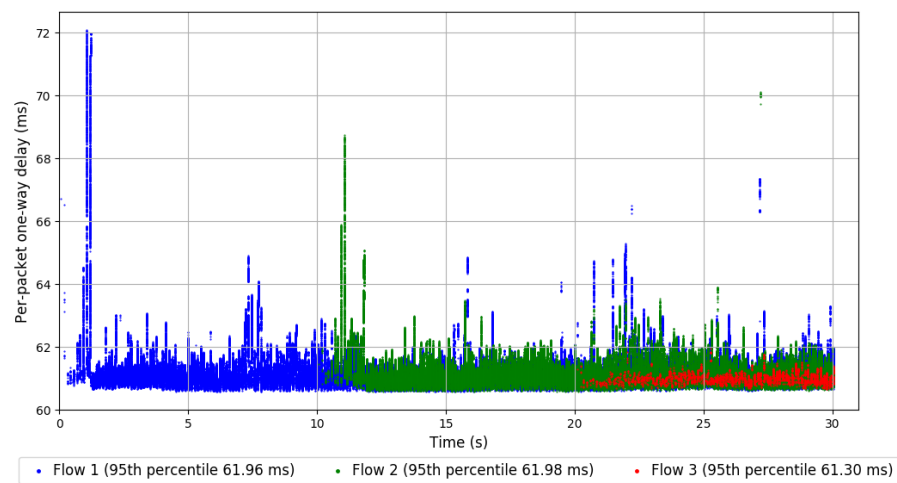
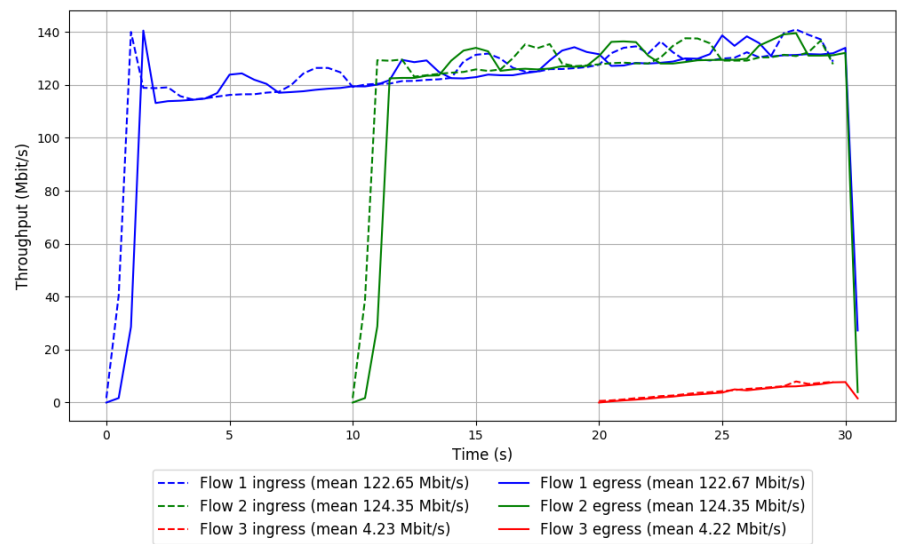


Run 6: Statistics of TCP Vegas

Start at: 2018-08-11 09:10:29
End at: 2018-08-11 09:10:59
Local clock offset: -0.069 ms
Remote clock offset: -0.378 ms

Below is generated by plot.py at 2018-08-11 14:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.91 Mbit/s
95th percentile per-packet one-way delay: 61.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.67 Mbit/s
95th percentile per-packet one-way delay: 61.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.35 Mbit/s
95th percentile per-packet one-way delay: 61.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 61.299 ms
Loss rate: 0.17%

Run 6: Report of TCP Vegas — Data Link

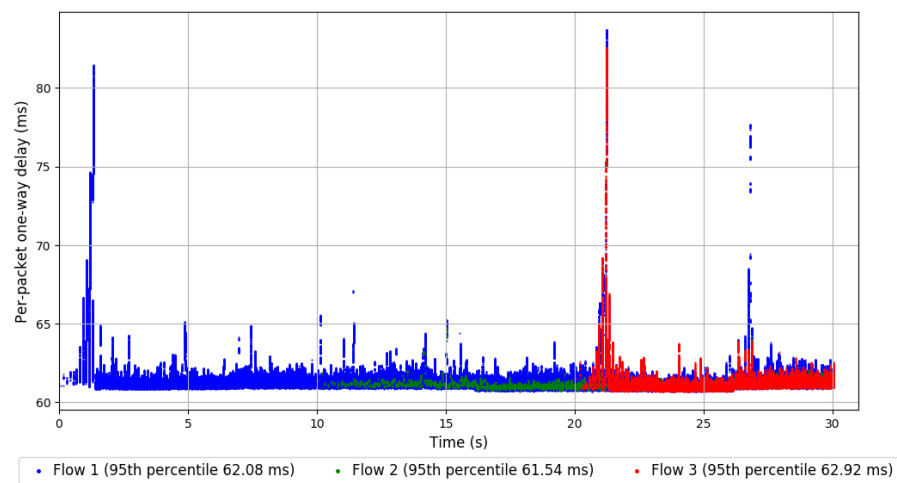
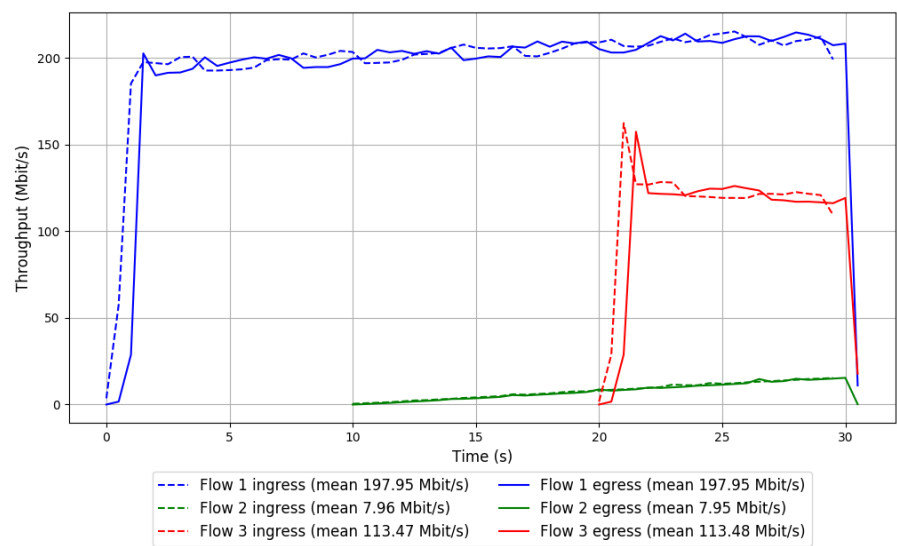


Run 7: Statistics of TCP Vegas

Start at: 2018-08-11 09:37:17
End at: 2018-08-11 09:37:47
Local clock offset: 0.02 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-08-11 14:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.94 Mbit/s
95th percentile per-packet one-way delay: 62.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.95 Mbit/s
95th percentile per-packet one-way delay: 62.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 61.540 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 113.48 Mbit/s
95th percentile per-packet one-way delay: 62.920 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

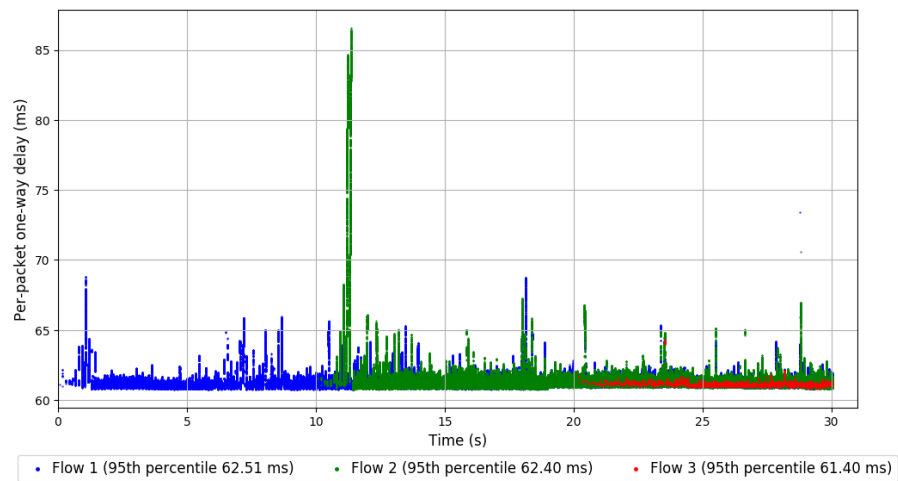
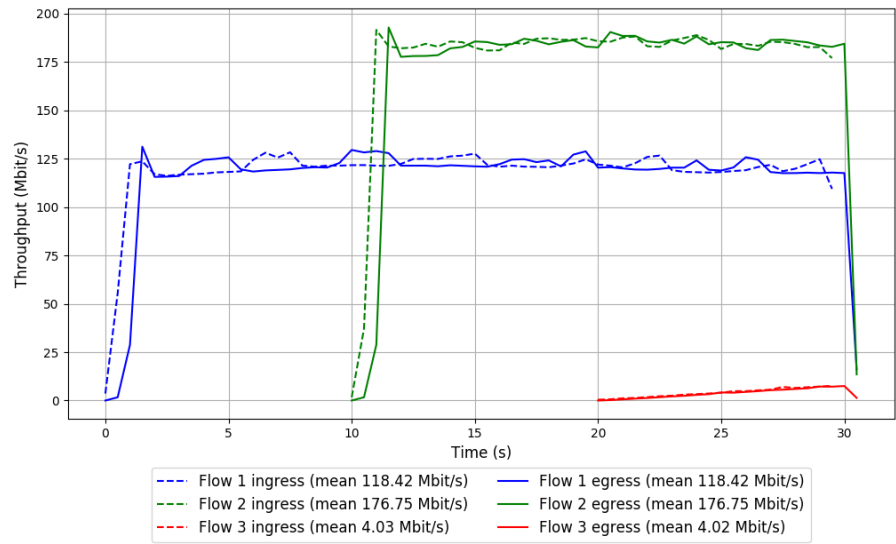


Run 8: Statistics of TCP Vegas

Start at: 2018-08-11 10:04:14
End at: 2018-08-11 10:04:44
Local clock offset: -0.016 ms
Remote clock offset: -0.118 ms

```
# Below is generated by plot.py at 2018-08-11 14:11:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 237.47 Mbit/s
95th percentile per-packet one-way delay: 62.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 118.42 Mbit/s
95th percentile per-packet one-way delay: 62.508 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.75 Mbit/s
95th percentile per-packet one-way delay: 62.402 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 61.395 ms
Loss rate: 0.24%
```

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-11 10:30:56

End at: 2018-08-11 10:31:26

Local clock offset: 0.028 ms

Remote clock offset: 0.149 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.52 Mbit/s

95th percentile per-packet one-way delay: 63.779 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.73 Mbit/s

95th percentile per-packet one-way delay: 63.305 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 122.59 Mbit/s

95th percentile per-packet one-way delay: 63.988 ms

Loss rate: 0.00%

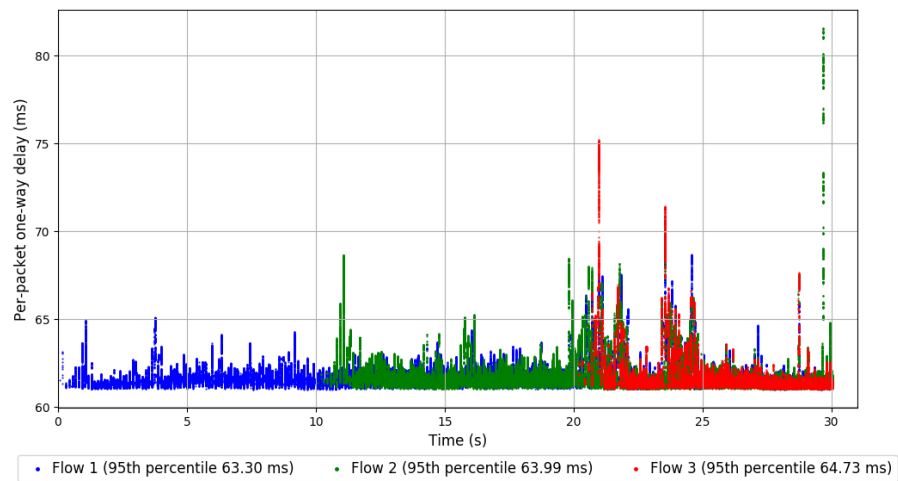
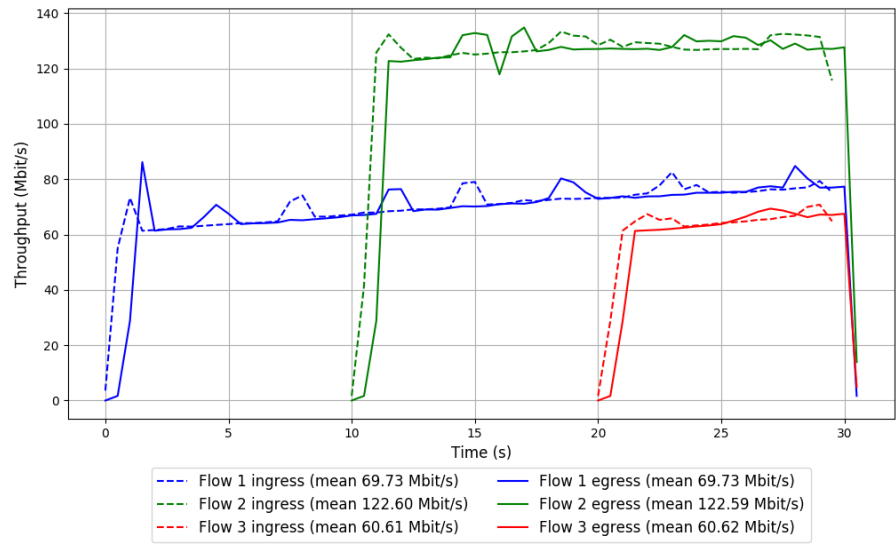
-- Flow 3:

Average throughput: 60.62 Mbit/s

95th percentile per-packet one-way delay: 64.729 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

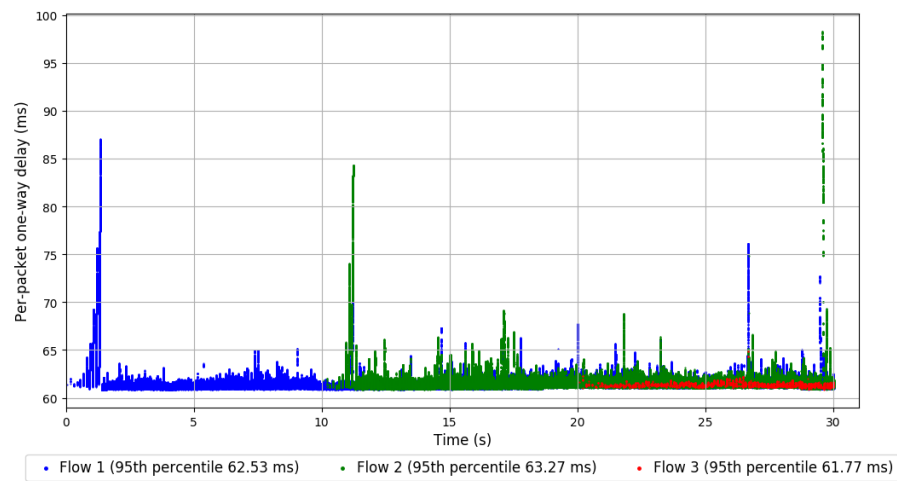
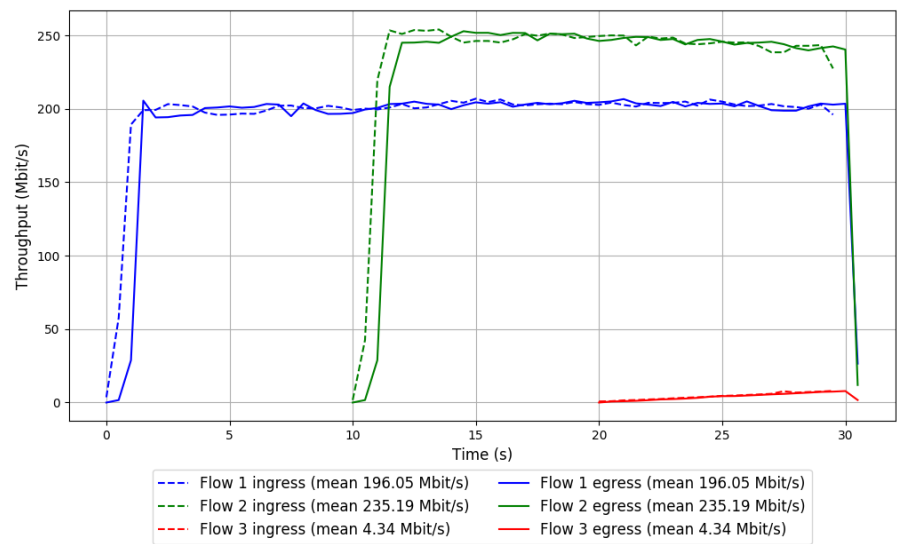


Run 10: Statistics of TCP Vegas

Start at: 2018-08-11 10:57:45
End at: 2018-08-11 10:58:15
Local clock offset: -0.046 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-11 14:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.07 Mbit/s
95th percentile per-packet one-way delay: 62.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.05 Mbit/s
95th percentile per-packet one-way delay: 62.527 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 235.19 Mbit/s
95th percentile per-packet one-way delay: 63.274 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 61.771 ms
Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link

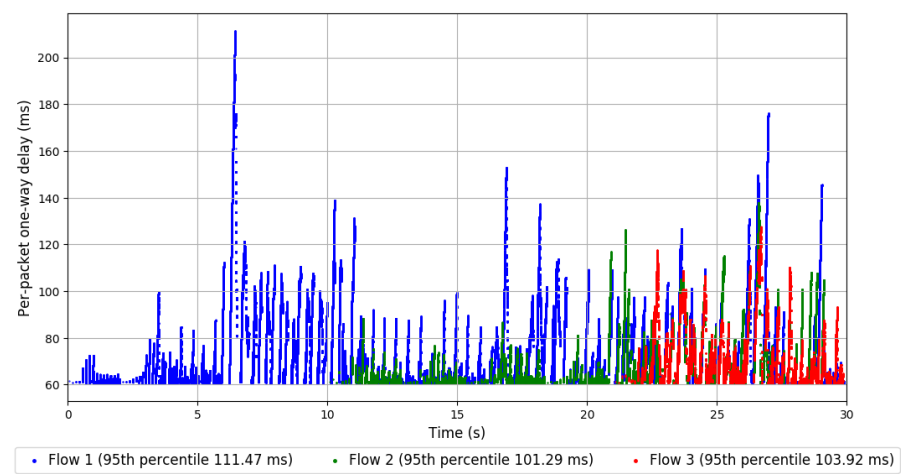
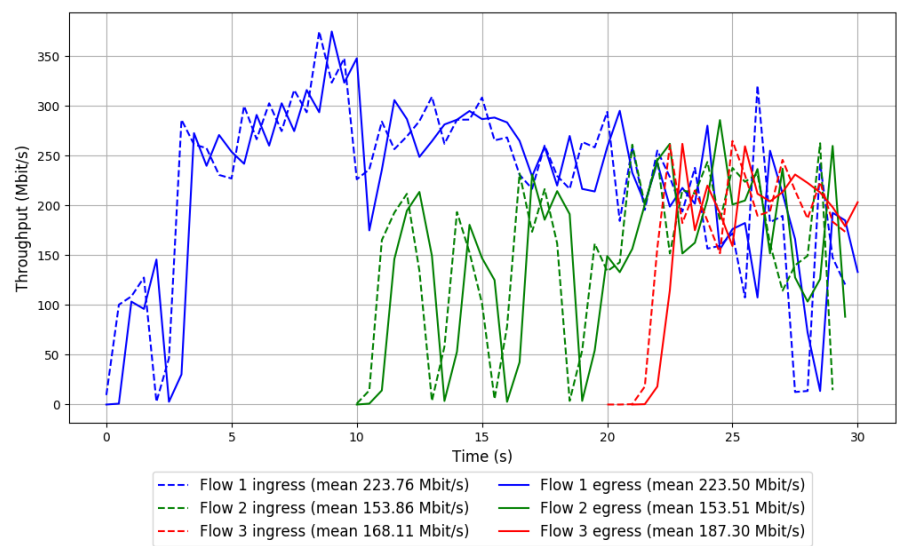


Run 1: Statistics of Verus

Start at: 2018-08-11 06:39:02
End at: 2018-08-11 06:39:32
Local clock offset: -0.161 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2018-08-11 14:16:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.38 Mbit/s
95th percentile per-packet one-way delay: 107.405 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 223.50 Mbit/s
95th percentile per-packet one-way delay: 111.466 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 153.51 Mbit/s
95th percentile per-packet one-way delay: 101.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 187.30 Mbit/s
95th percentile per-packet one-way delay: 103.924 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

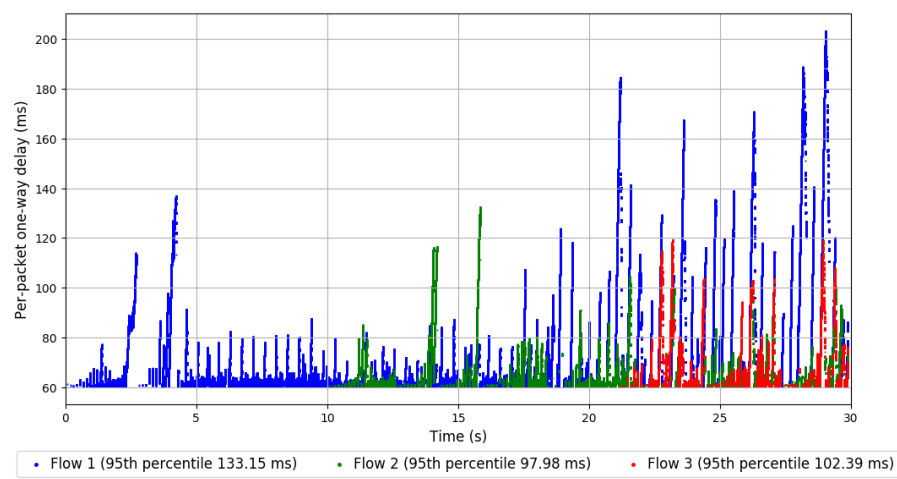
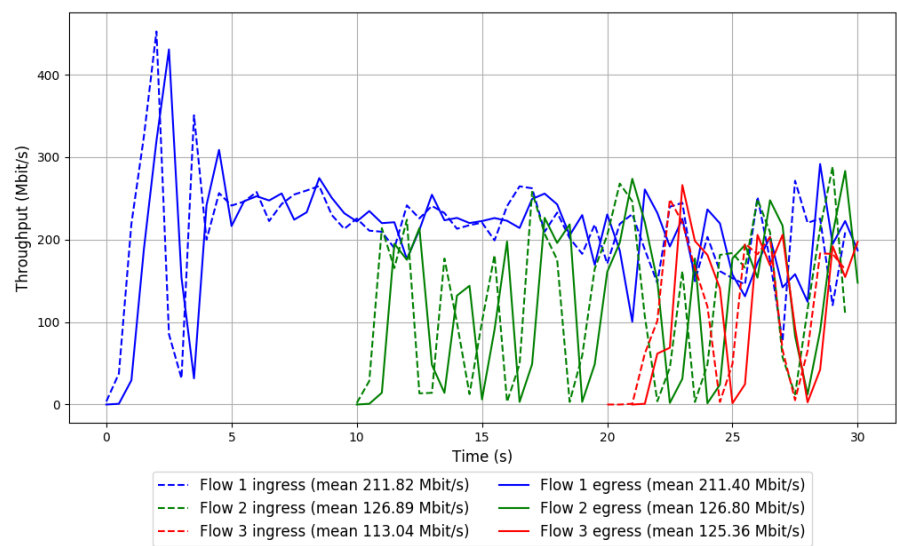


Run 2: Statistics of Verus

Start at: 2018-08-11 07:05:42
End at: 2018-08-11 07:06:12
Local clock offset: -0.126 ms
Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-08-11 14:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.64 Mbit/s
95th percentile per-packet one-way delay: 119.585 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 211.40 Mbit/s
95th percentile per-packet one-way delay: 133.154 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 126.80 Mbit/s
95th percentile per-packet one-way delay: 97.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.36 Mbit/s
95th percentile per-packet one-way delay: 102.386 ms
Loss rate: 0.51%

Run 2: Report of Verus — Data Link

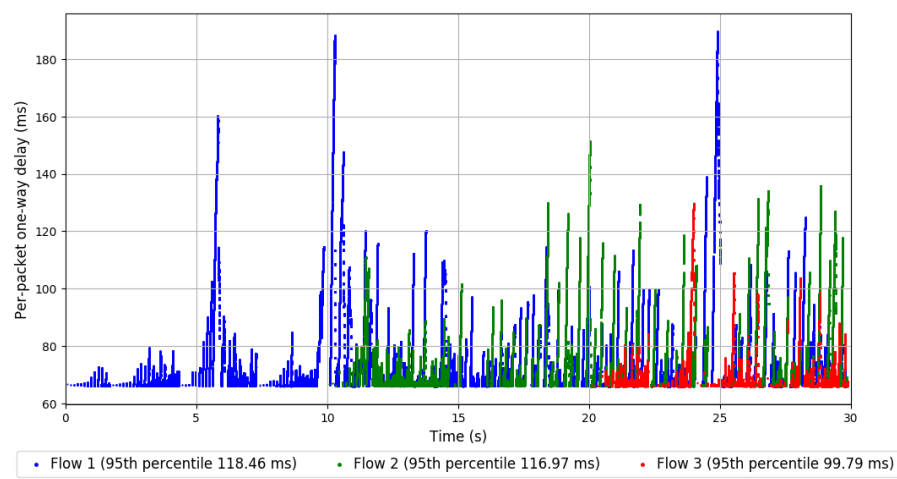
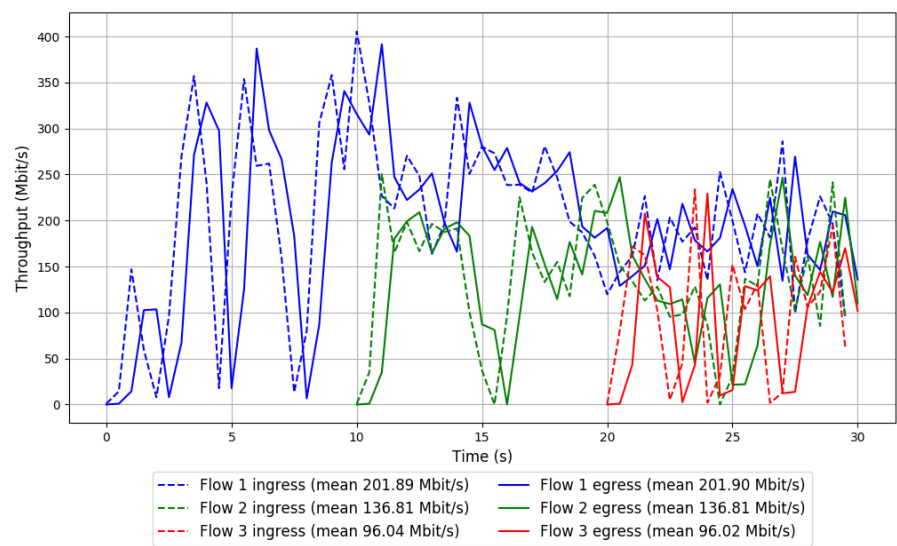


Run 3: Statistics of Verus

Start at: 2018-08-11 07:31:33
End at: 2018-08-11 07:32:03
Local clock offset: 0.002 ms
Remote clock offset: -0.595 ms

Below is generated by plot.py at 2018-08-11 14:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 323.80 Mbit/s
95th percentile per-packet one-way delay: 116.133 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 201.90 Mbit/s
95th percentile per-packet one-way delay: 118.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 136.81 Mbit/s
95th percentile per-packet one-way delay: 116.975 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 99.790 ms
Loss rate: 0.09%

Run 3: Report of Verus — Data Link

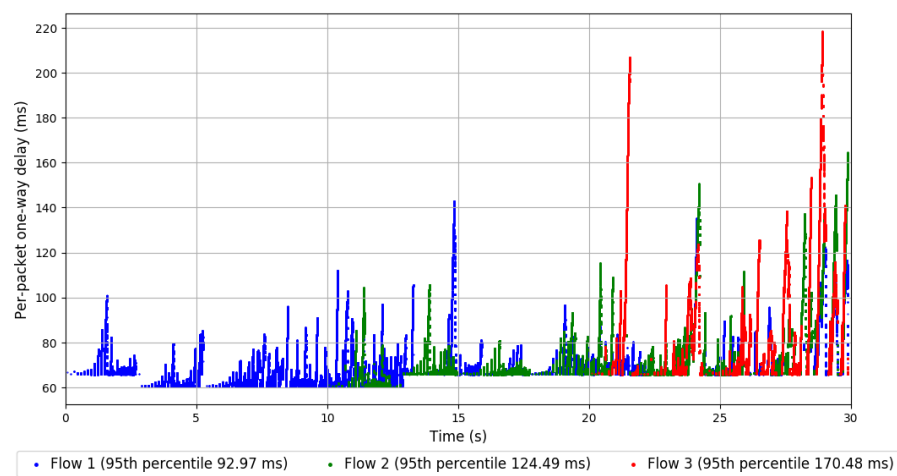
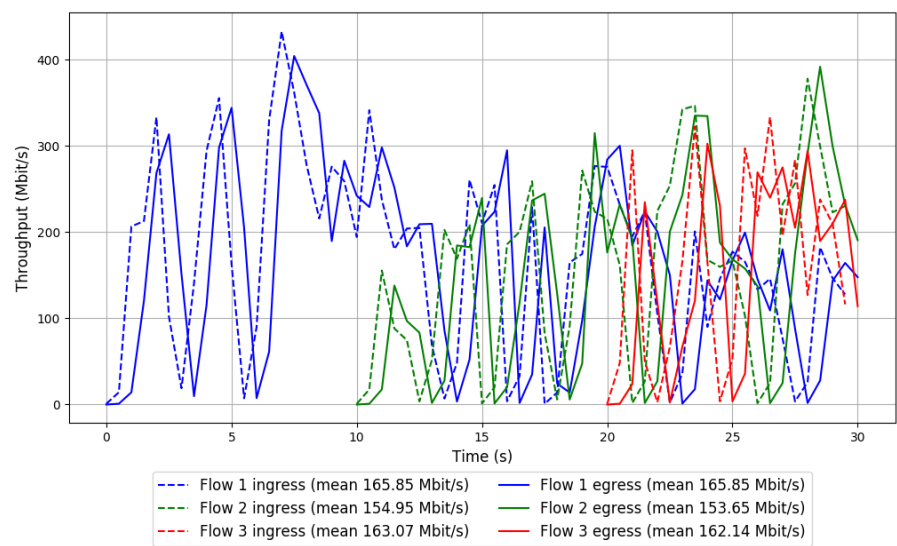


Run 4: Statistics of Verus

Start at: 2018-08-11 07:57:20
End at: 2018-08-11 07:57:50
Local clock offset: -0.026 ms
Remote clock offset: -0.914 ms

Below is generated by plot.py at 2018-08-11 14:16:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.19 Mbit/s
95th percentile per-packet one-way delay: 118.064 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 165.85 Mbit/s
95th percentile per-packet one-way delay: 92.975 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 153.65 Mbit/s
95th percentile per-packet one-way delay: 124.491 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 162.14 Mbit/s
95th percentile per-packet one-way delay: 170.484 ms
Loss rate: 0.58%

Run 4: Report of Verus — Data Link

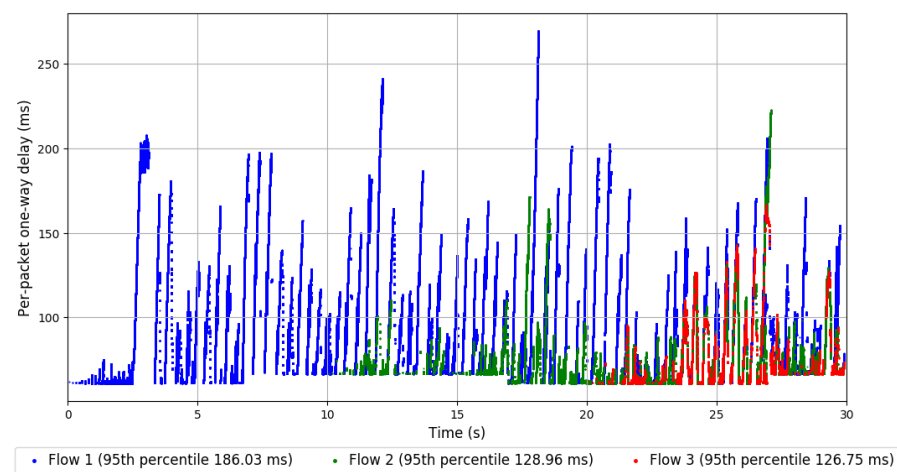
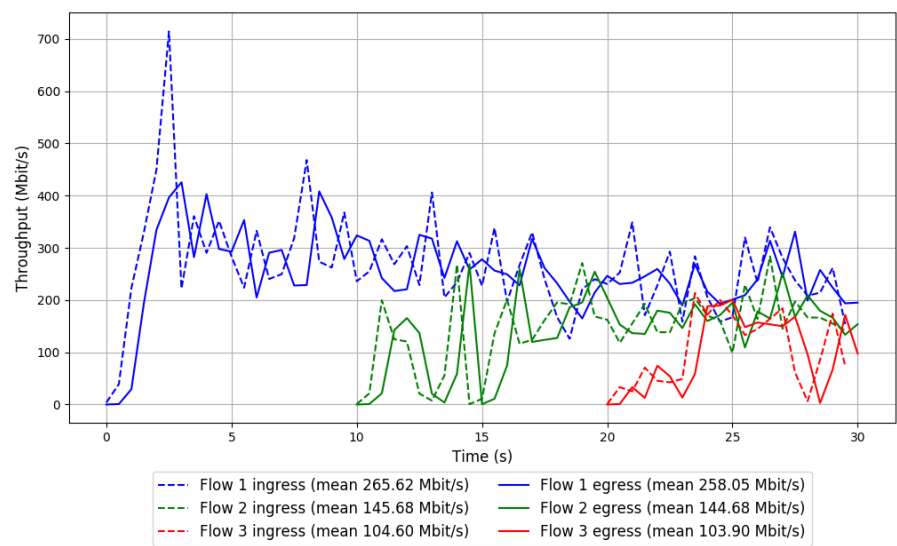


Run 5: Statistics of Verus

Start at: 2018-08-11 08:22:56
End at: 2018-08-11 08:23:26
Local clock offset: -0.068 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-11 14:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.31 Mbit/s
95th percentile per-packet one-way delay: 175.021 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 258.05 Mbit/s
95th percentile per-packet one-way delay: 186.031 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 144.68 Mbit/s
95th percentile per-packet one-way delay: 128.956 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 103.90 Mbit/s
95th percentile per-packet one-way delay: 126.751 ms
Loss rate: 0.65%

Run 5: Report of Verus — Data Link

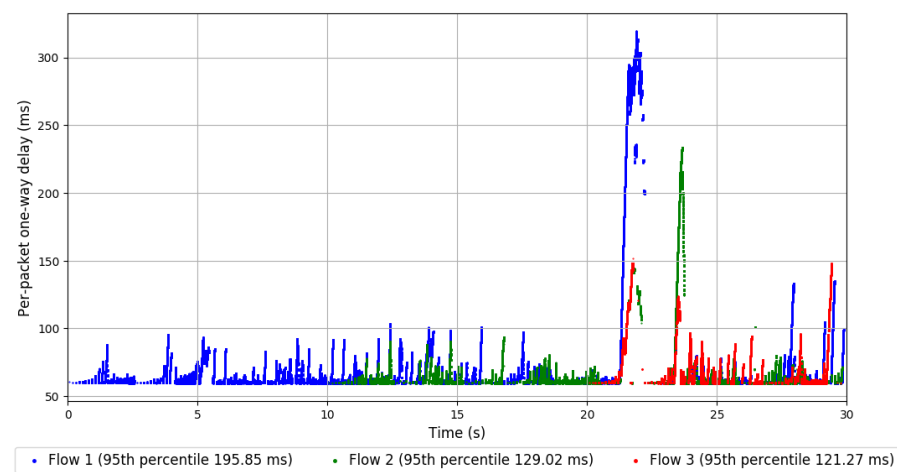
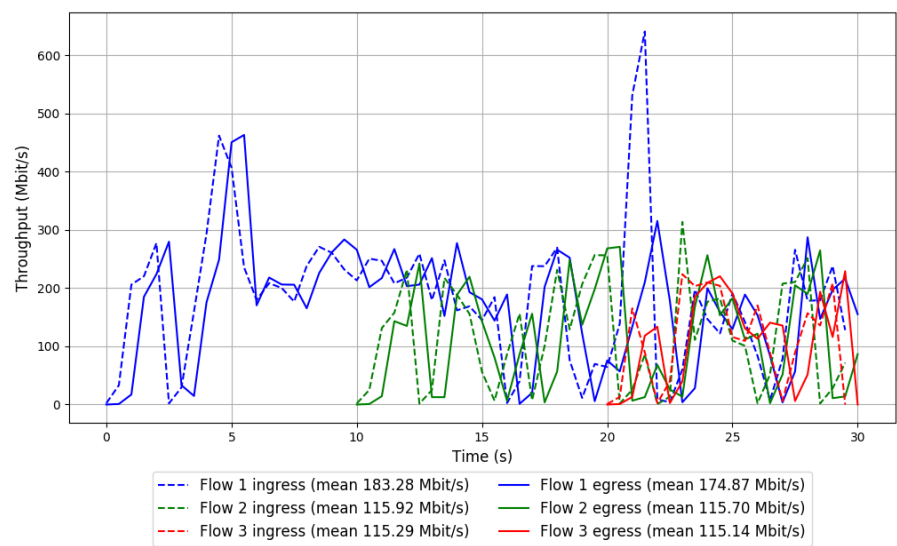


Run 6: Statistics of Verus

Start at: 2018-08-11 08:48:31
End at: 2018-08-11 08:49:01
Local clock offset: -0.101 ms
Remote clock offset: -1.479 ms

Below is generated by plot.py at 2018-08-11 14:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.88 Mbit/s
95th percentile per-packet one-way delay: 132.164 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 174.87 Mbit/s
95th percentile per-packet one-way delay: 195.853 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 115.70 Mbit/s
95th percentile per-packet one-way delay: 129.020 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 115.14 Mbit/s
95th percentile per-packet one-way delay: 121.271 ms
Loss rate: 0.13%

Run 6: Report of Verus — Data Link

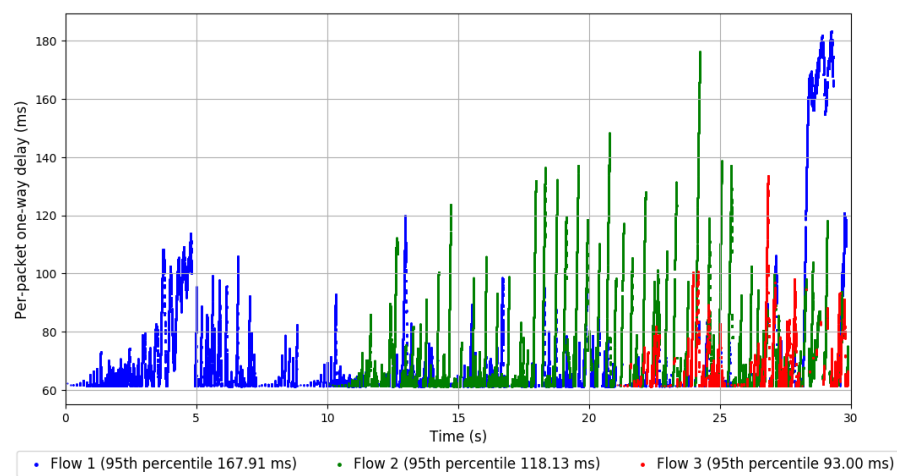
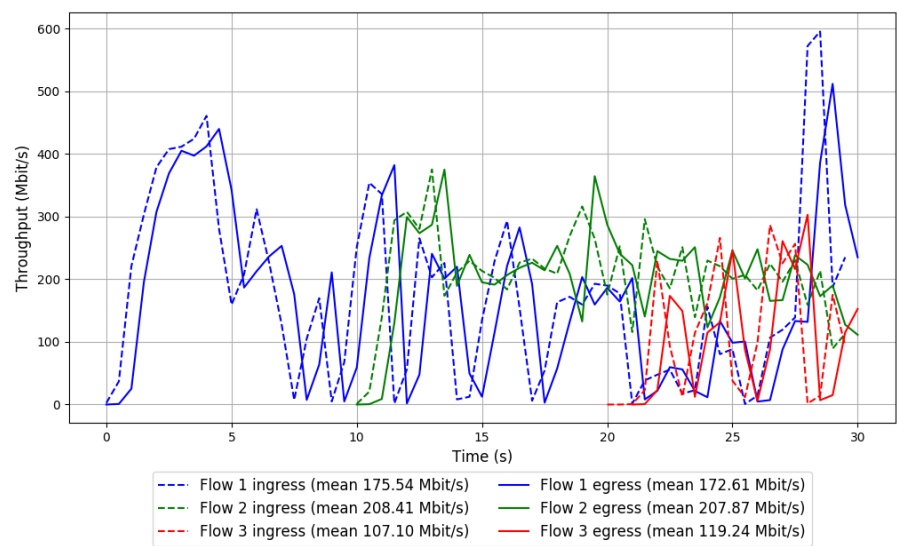


Run 7: Statistics of Verus

Start at: 2018-08-11 09:14:40
End at: 2018-08-11 09:15:10
Local clock offset: -0.101 ms
Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-08-11 14:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.54 Mbit/s
95th percentile per-packet one-way delay: 152.425 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 172.61 Mbit/s
95th percentile per-packet one-way delay: 167.914 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 207.87 Mbit/s
95th percentile per-packet one-way delay: 118.128 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 119.24 Mbit/s
95th percentile per-packet one-way delay: 93.000 ms
Loss rate: 0.02%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-11 09:41:29

End at: 2018-08-11 09:41:59

Local clock offset: 0.048 ms

Remote clock offset: 0.768 ms

Below is generated by plot.py at 2018-08-11 14:20:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.81 Mbit/s

95th percentile per-packet one-way delay: 177.538 ms

Loss rate: 1.70%

-- Flow 1:

Average throughput: 175.95 Mbit/s

95th percentile per-packet one-way delay: 104.199 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 171.94 Mbit/s

95th percentile per-packet one-way delay: 204.715 ms

Loss rate: 4.83%

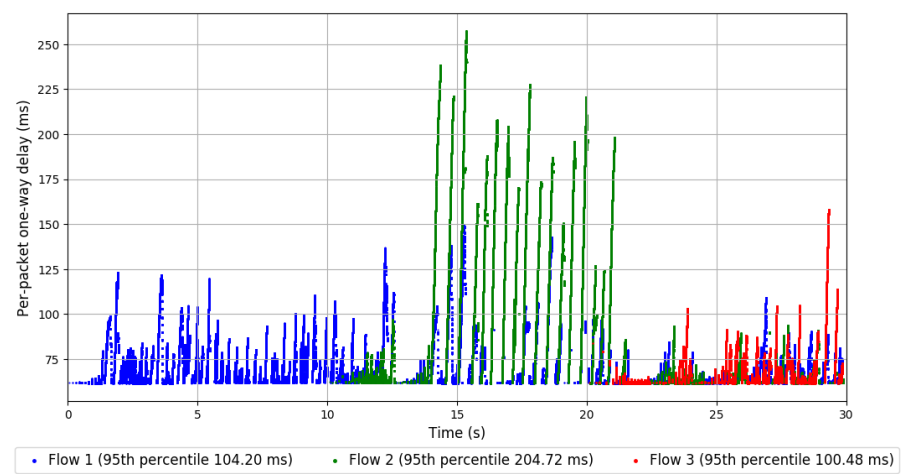
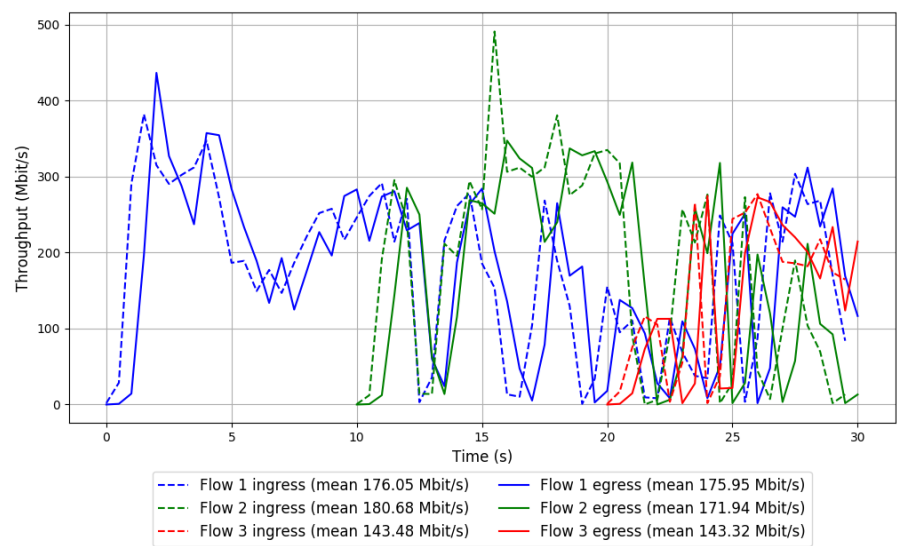
-- Flow 3:

Average throughput: 143.32 Mbit/s

95th percentile per-packet one-way delay: 100.485 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

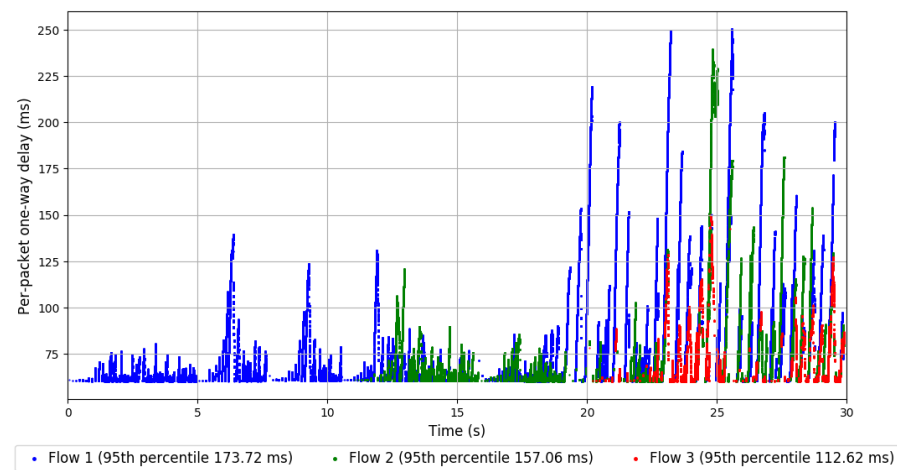
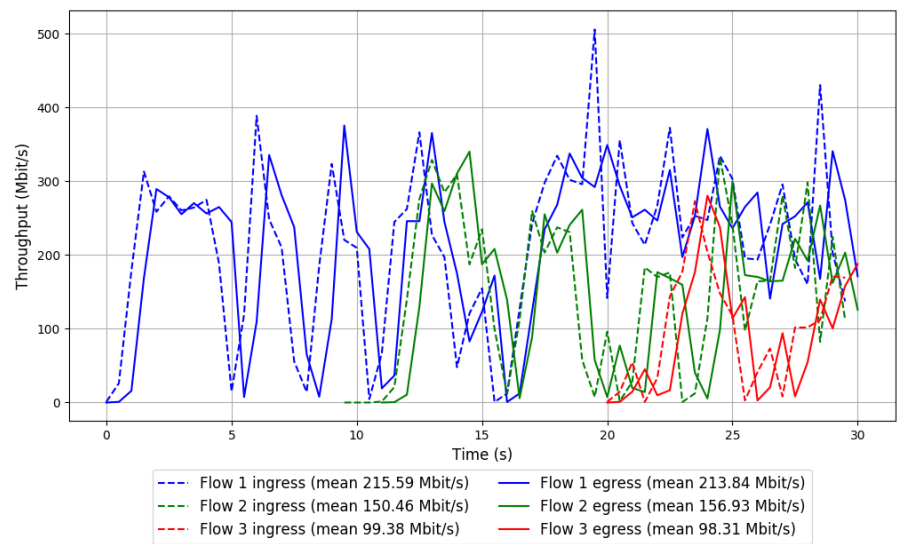


Run 9: Statistics of Verus

Start at: 2018-08-11 10:08:26
End at: 2018-08-11 10:08:56
Local clock offset: -0.033 ms
Remote clock offset: -0.673 ms

Below is generated by plot.py at 2018-08-11 14:21:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.21 Mbit/s
95th percentile per-packet one-way delay: 162.378 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 213.84 Mbit/s
95th percentile per-packet one-way delay: 173.725 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 156.93 Mbit/s
95th percentile per-packet one-way delay: 157.056 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 98.31 Mbit/s
95th percentile per-packet one-way delay: 112.625 ms
Loss rate: 1.23%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-11 10:35:01

End at: 2018-08-11 10:35:31

Local clock offset: -0.013 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-08-11 14:21:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 364.20 Mbit/s

95th percentile per-packet one-way delay: 142.604 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 216.47 Mbit/s

95th percentile per-packet one-way delay: 160.098 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 186.86 Mbit/s

95th percentile per-packet one-way delay: 112.372 ms

Loss rate: 0.02%

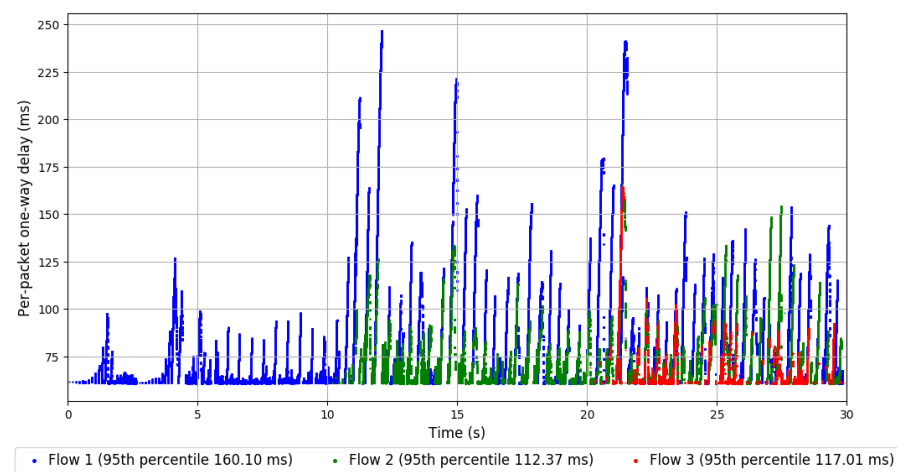
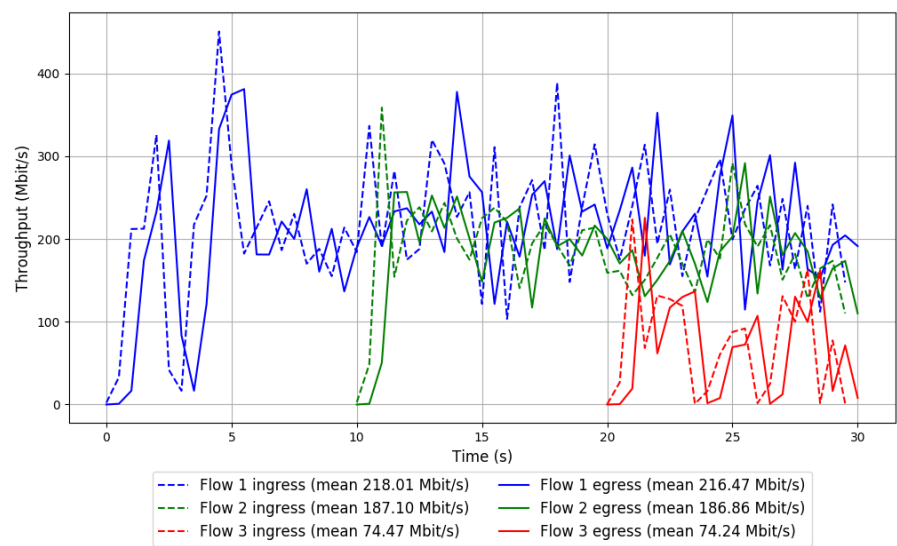
-- Flow 3:

Average throughput: 74.24 Mbit/s

95th percentile per-packet one-way delay: 117.008 ms

Loss rate: 0.39%

Run 10: Report of Verus — Data Link

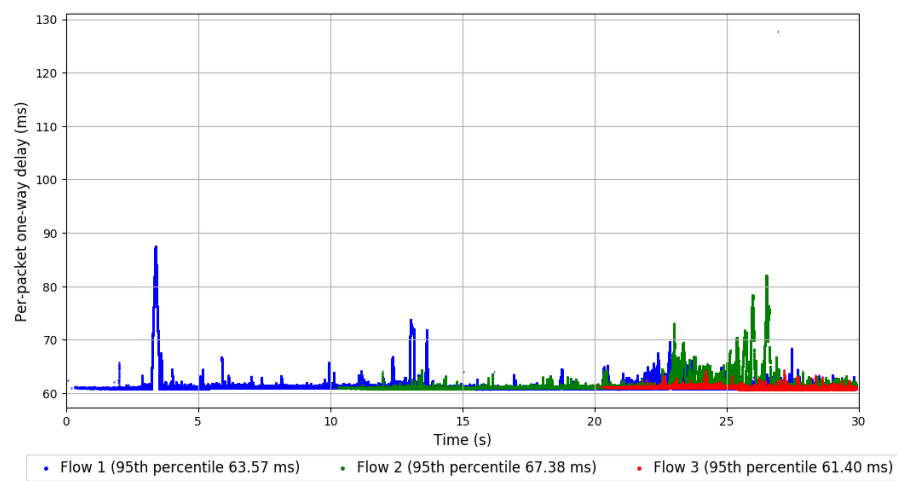
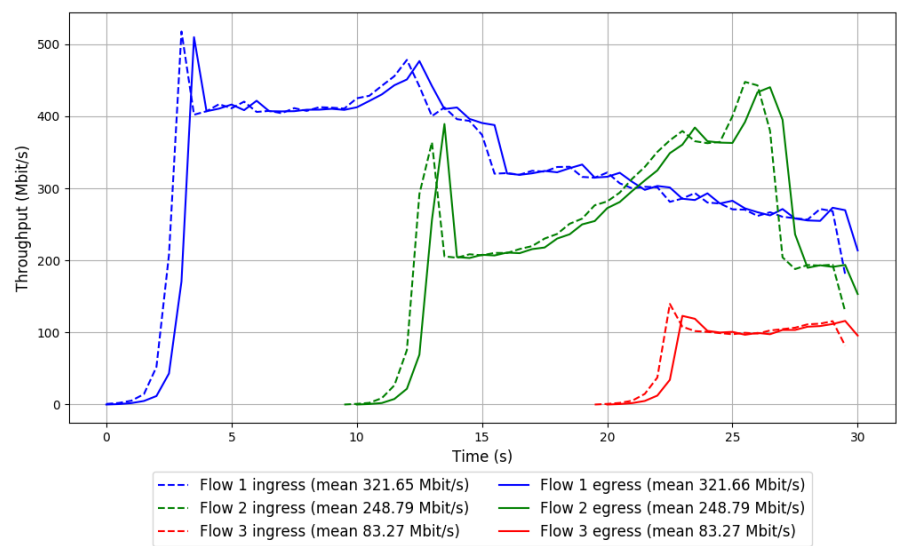


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-11 06:57:18
End at: 2018-08-11 06:57:48
Local clock offset: -0.132 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-11 14:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.81 Mbit/s
95th percentile per-packet one-way delay: 64.923 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.66 Mbit/s
95th percentile per-packet one-way delay: 63.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 248.79 Mbit/s
95th percentile per-packet one-way delay: 67.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 61.402 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

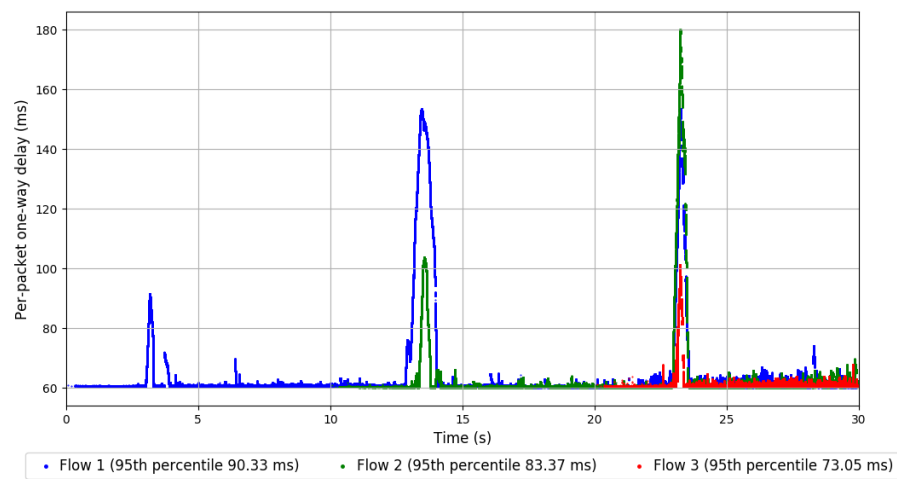
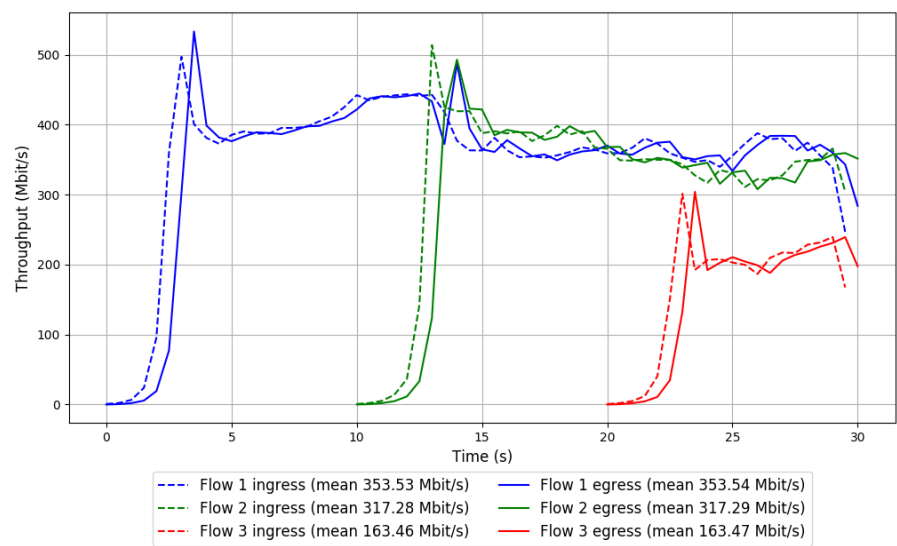


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-11 07:22:46
End at: 2018-08-11 07:23:16
Local clock offset: -0.036 ms
Remote clock offset: -0.645 ms

Below is generated by plot.py at 2018-08-11 14:27:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 618.36 Mbit/s
95th percentile per-packet one-way delay: 85.500 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 353.54 Mbit/s
95th percentile per-packet one-way delay: 90.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 317.29 Mbit/s
95th percentile per-packet one-way delay: 83.370 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 163.47 Mbit/s
95th percentile per-packet one-way delay: 73.050 ms
Loss rate: 0.02%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-11 07:48:41

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

Local clock offset: -0.039 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-08-11 14:27:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 595.73 Mbit/s

95th percentile per-packet one-way delay: 64.256 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 368.07 Mbit/s

95th percentile per-packet one-way delay: 64.857 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 320.75 Mbit/s

95th percentile per-packet one-way delay: 63.389 ms

Loss rate: 0.00%

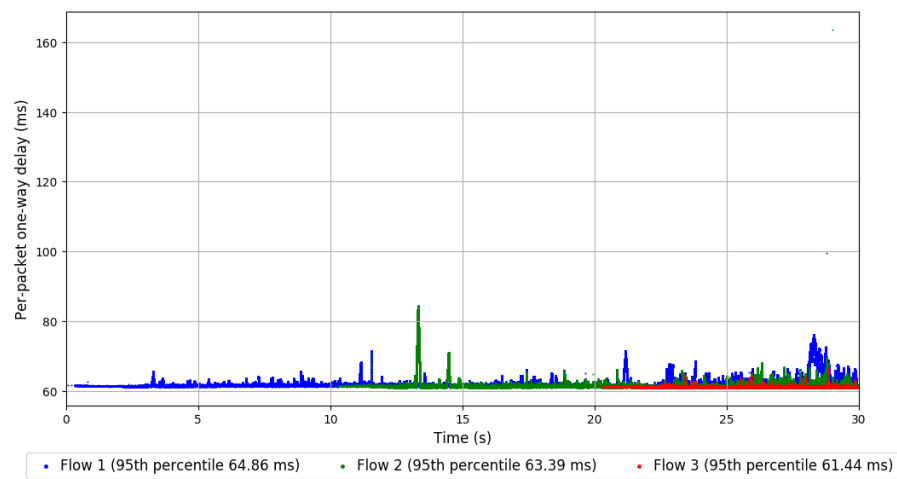
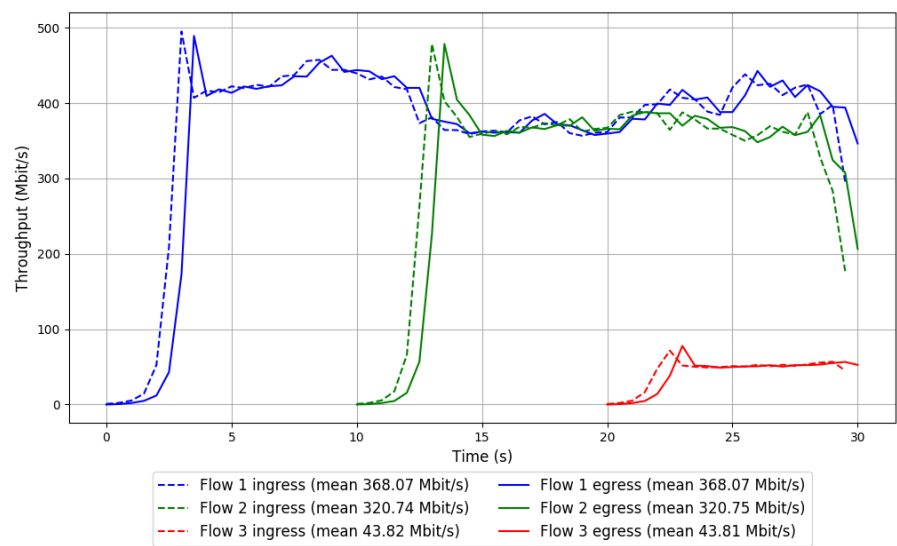
-- Flow 3:

Average throughput: 43.81 Mbit/s

95th percentile per-packet one-way delay: 61.436 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

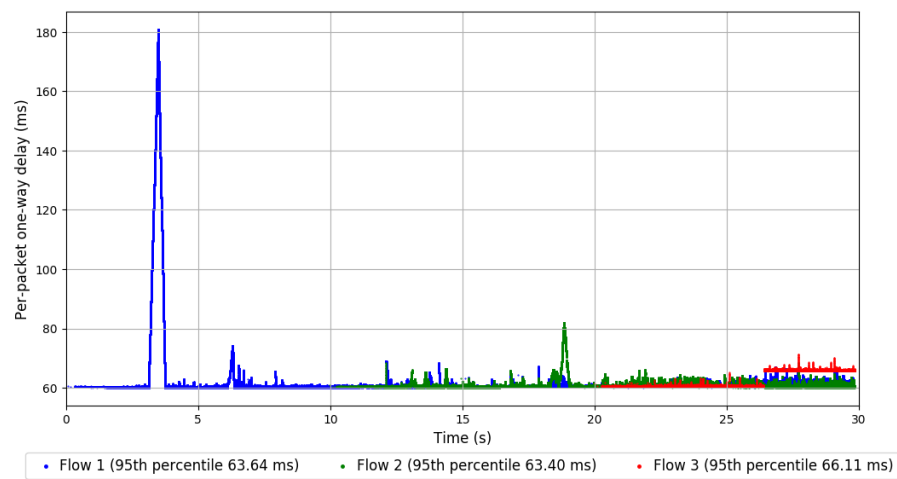
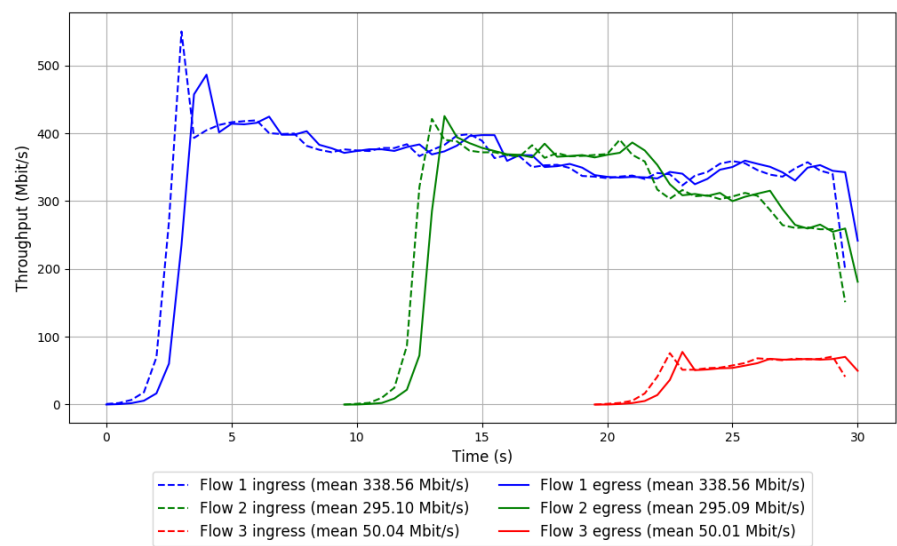


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-11 08:14:17
End at: 2018-08-11 08:14:47
Local clock offset: -0.037 ms
Remote clock offset: -0.774 ms

Below is generated by plot.py at 2018-08-11 14:27:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 551.93 Mbit/s
95th percentile per-packet one-way delay: 64.860 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 338.56 Mbit/s
95th percentile per-packet one-way delay: 63.643 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 295.09 Mbit/s
95th percentile per-packet one-way delay: 63.398 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 66.115 ms
Loss rate: 0.08%

Run 4: Report of PCC-Vivace — Data Link

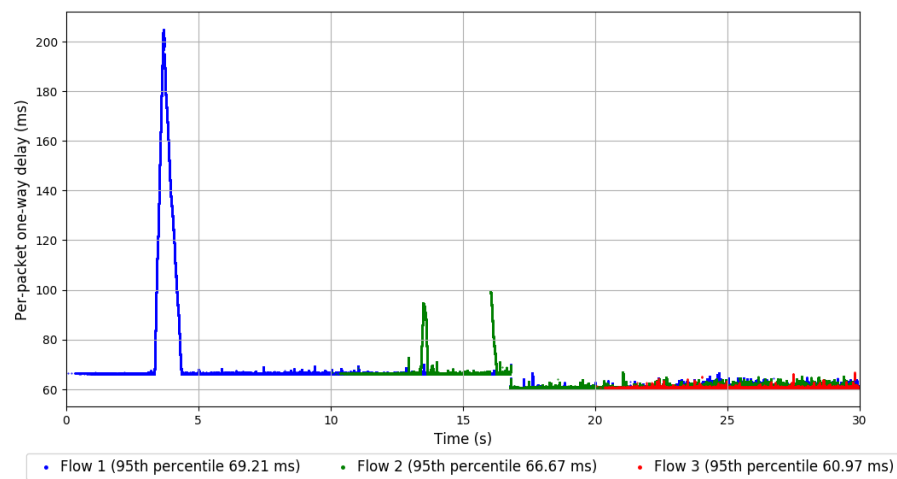
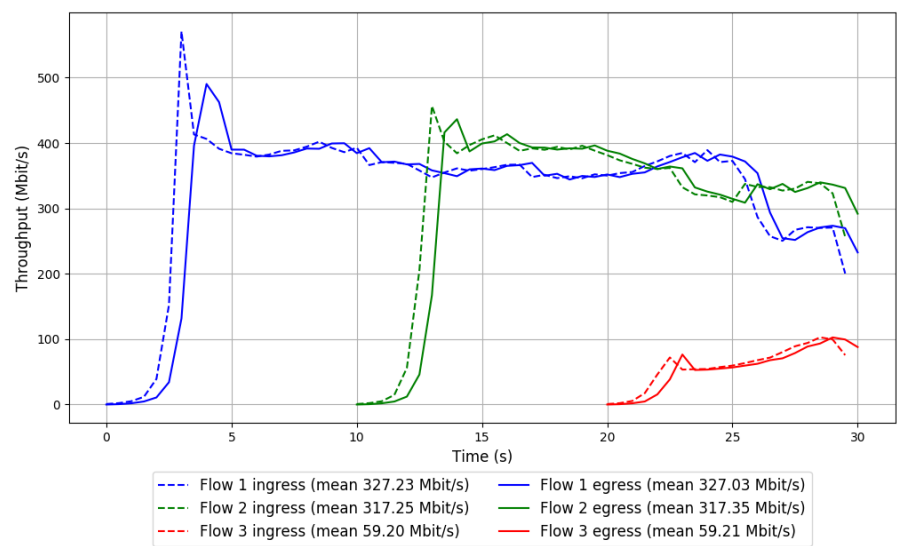


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-11 08:40:01
End at: 2018-08-11 08:40:31
Local clock offset: -0.08 ms
Remote clock offset: -0.661 ms

Below is generated by plot.py at 2018-08-11 14:27:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 557.58 Mbit/s
95th percentile per-packet one-way delay: 66.950 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 327.03 Mbit/s
95th percentile per-packet one-way delay: 69.208 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 317.35 Mbit/s
95th percentile per-packet one-way delay: 66.669 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 60.967 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

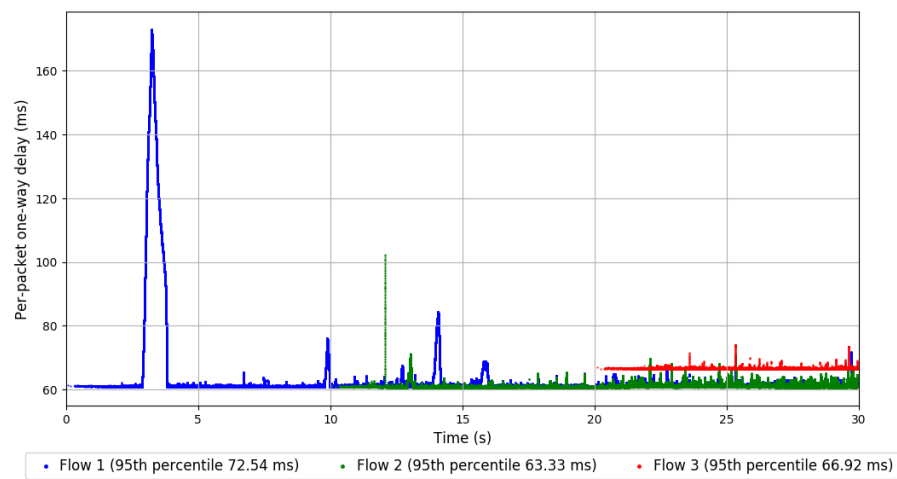
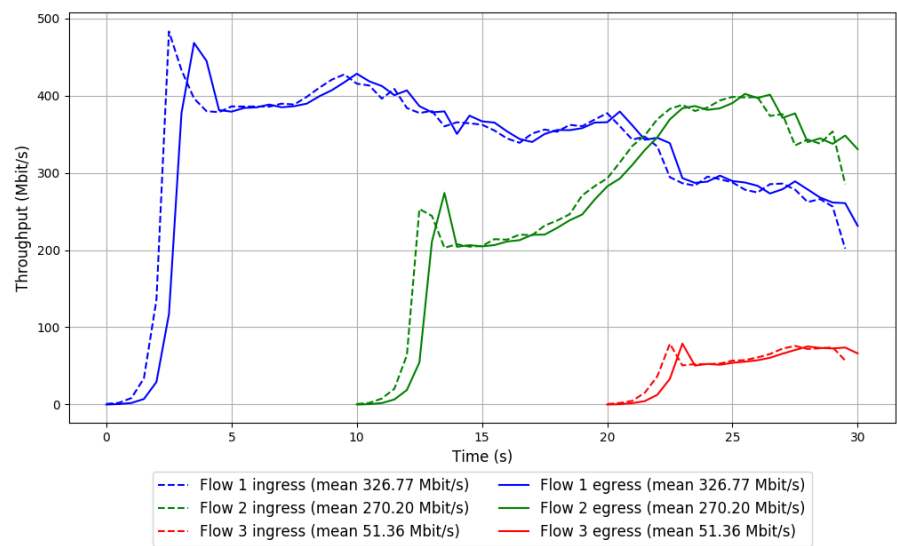


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-11 09:06:06
End at: 2018-08-11 09:06:36
Local clock offset: -0.083 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-08-11 14:29:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 523.22 Mbit/s
95th percentile per-packet one-way delay: 66.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 326.77 Mbit/s
95th percentile per-packet one-way delay: 72.538 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 270.20 Mbit/s
95th percentile per-packet one-way delay: 63.332 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 66.924 ms
Loss rate: 0.04%

Run 6: Report of PCC-Vivace — Data Link

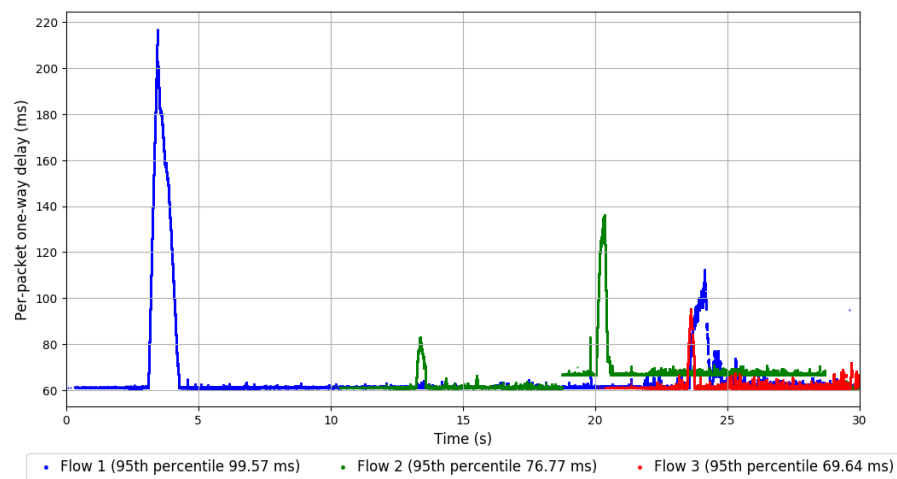
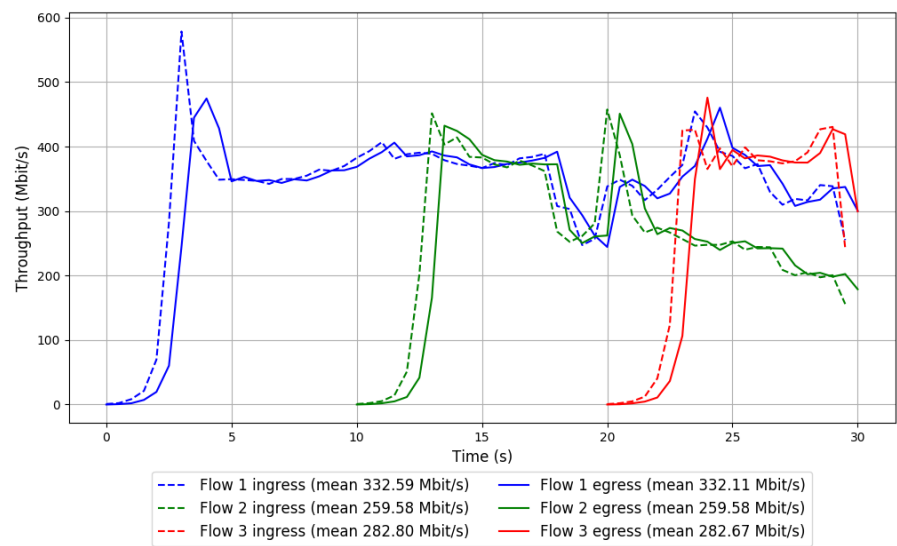


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-11 09:32:45
End at: 2018-08-11 09:33:15
Local clock offset: -0.007 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-11 14:30:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 597.75 Mbit/s
95th percentile per-packet one-way delay: 87.339 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 332.11 Mbit/s
95th percentile per-packet one-way delay: 99.570 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 259.58 Mbit/s
95th percentile per-packet one-way delay: 76.768 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 282.67 Mbit/s
95th percentile per-packet one-way delay: 69.639 ms
Loss rate: 0.04%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-11 09:59:34

End at: 2018-08-11 10:00:04

Local clock offset: 0.025 ms

Remote clock offset: 1.373 ms

Below is generated by plot.py at 2018-08-11 14:30:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 624.30 Mbit/s

95th percentile per-packet one-way delay: 67.881 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 356.69 Mbit/s

95th percentile per-packet one-way delay: 68.367 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 272.91 Mbit/s

95th percentile per-packet one-way delay: 95.555 ms

Loss rate: 0.00%

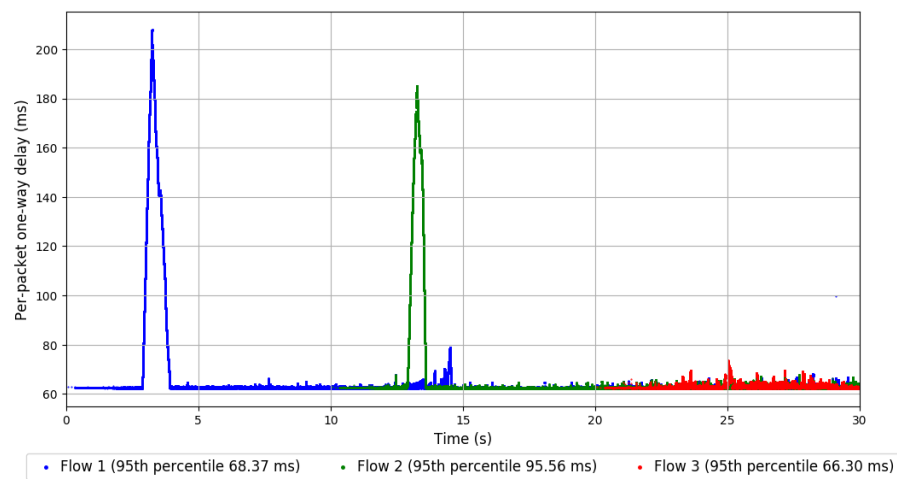
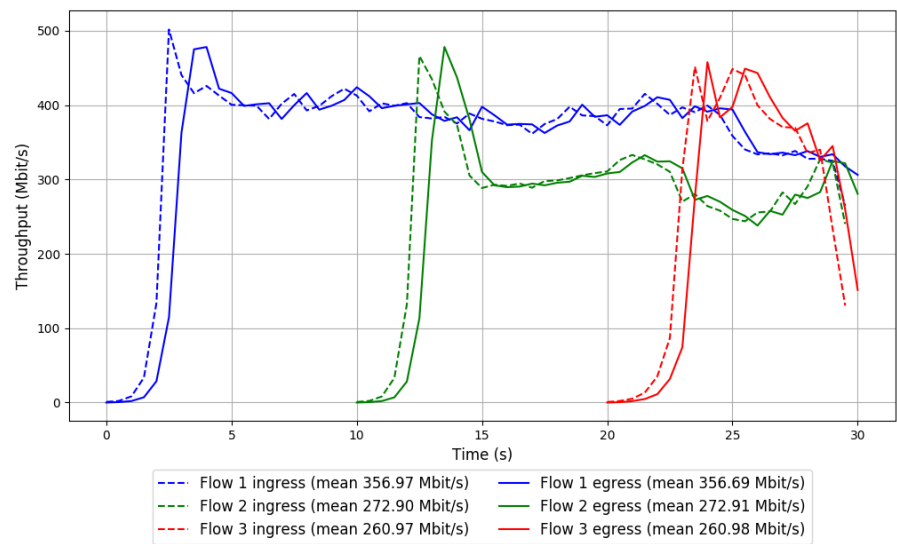
-- Flow 3:

Average throughput: 260.98 Mbit/s

95th percentile per-packet one-way delay: 66.304 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-11 10:26:28

End at: 2018-08-11 10:26:58

Local clock offset: -0.017 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-08-11 14:31:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 617.46 Mbit/s

95th percentile per-packet one-way delay: 66.554 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 365.17 Mbit/s

95th percentile per-packet one-way delay: 68.131 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 285.27 Mbit/s

95th percentile per-packet one-way delay: 62.569 ms

Loss rate: 0.00%

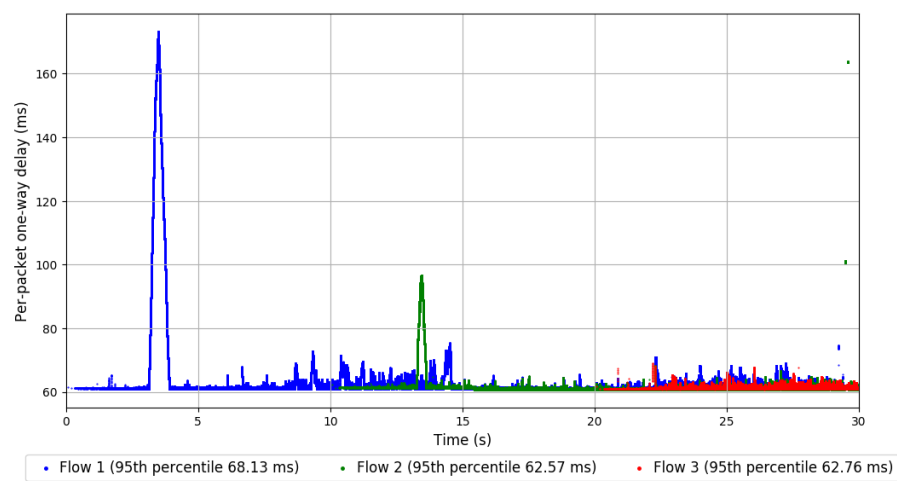
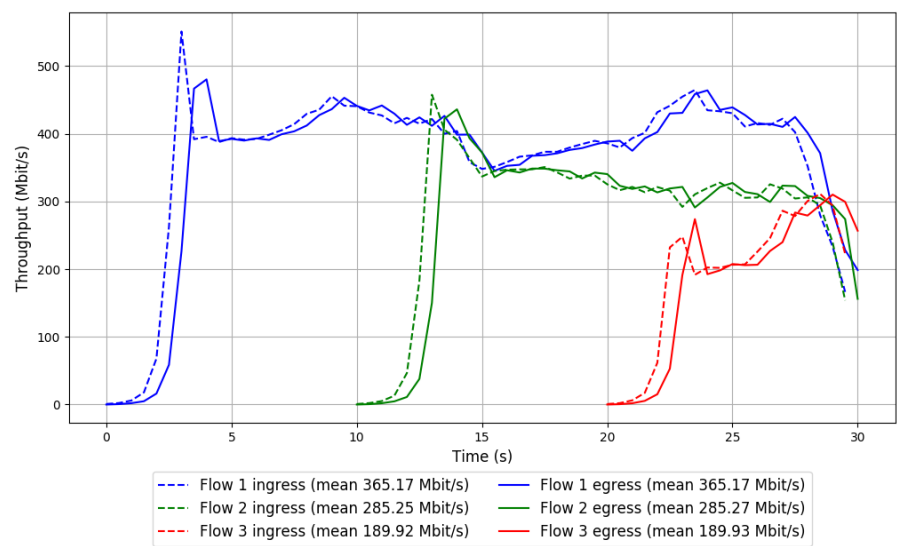
-- Flow 3:

Average throughput: 189.93 Mbit/s

95th percentile per-packet one-way delay: 62.761 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-11 10:53:22

End at: 2018-08-11 10:53:52

Local clock offset: -0.027 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-08-11 14:31:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 489.31 Mbit/s

95th percentile per-packet one-way delay: 63.256 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 304.14 Mbit/s

95th percentile per-packet one-way delay: 63.578 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 269.33 Mbit/s

95th percentile per-packet one-way delay: 62.685 ms

Loss rate: 0.00%

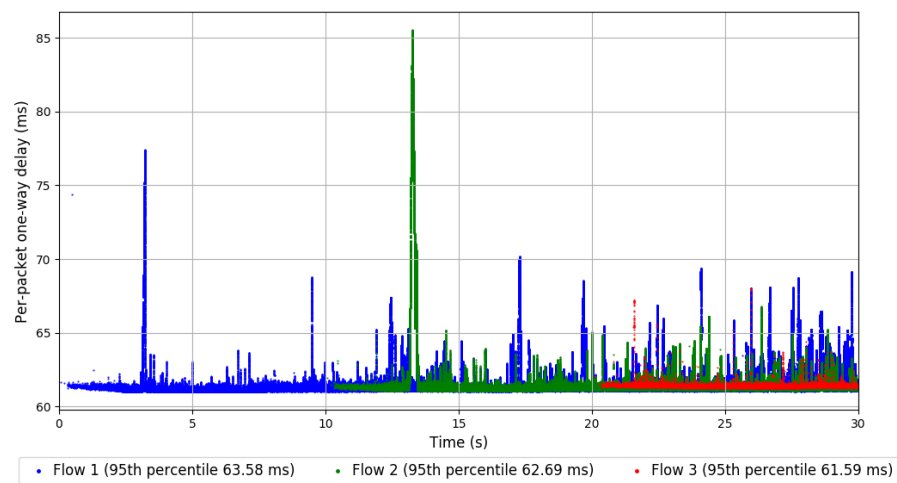
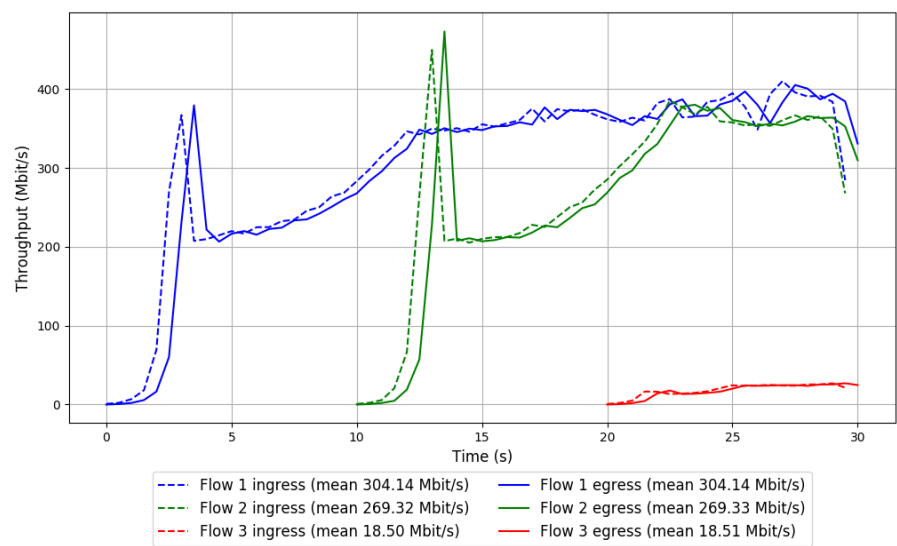
-- Flow 3:

Average throughput: 18.51 Mbit/s

95th percentile per-packet one-way delay: 61.590 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

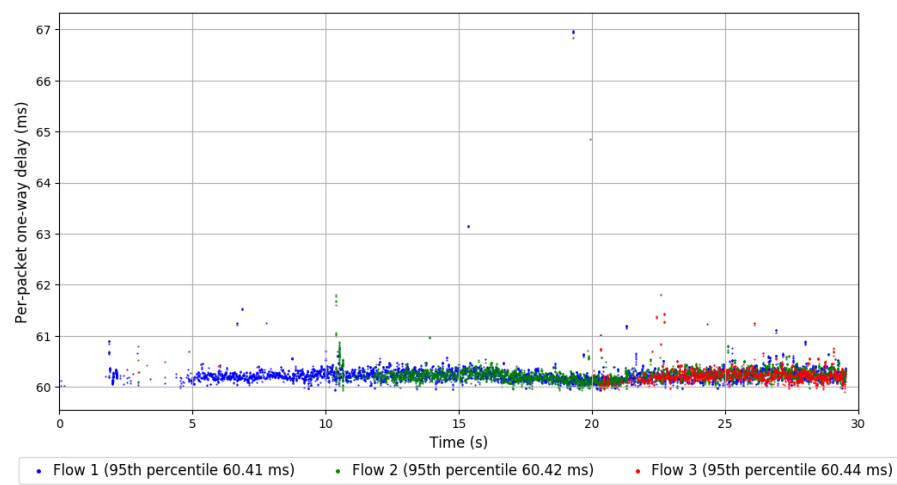
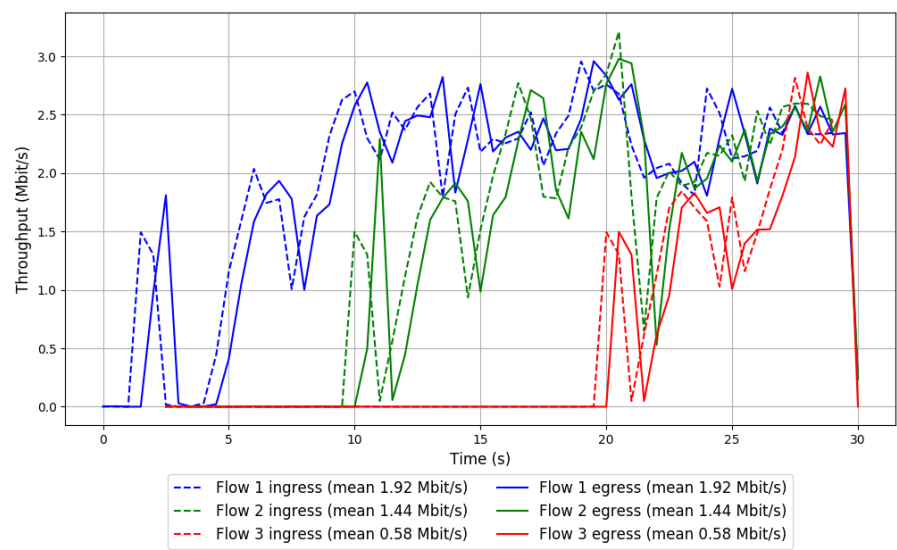


Run 1: Statistics of WebRTC media

Start at: 2018-08-11 06:46:30
End at: 2018-08-11 06:47:00
Local clock offset: -0.108 ms
Remote clock offset: -0.904 ms

Below is generated by plot.py at 2018-08-11 14:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 60.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 60.408 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 60.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 60.438 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

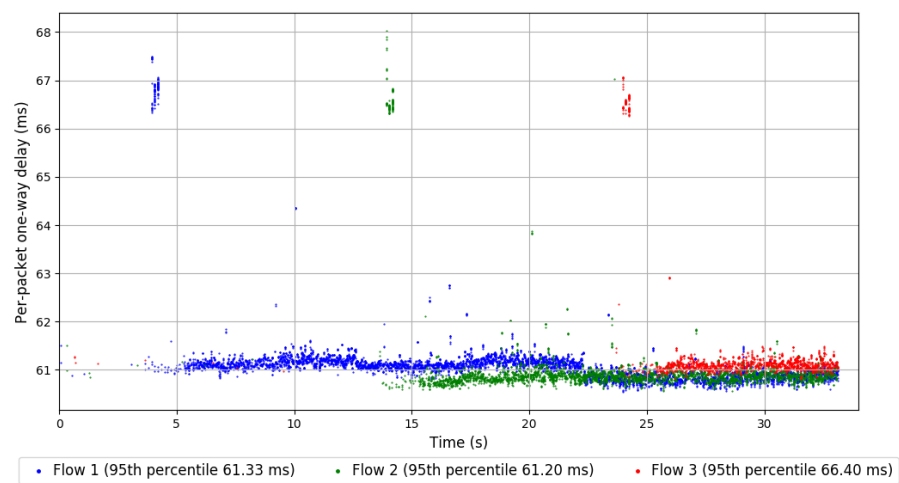
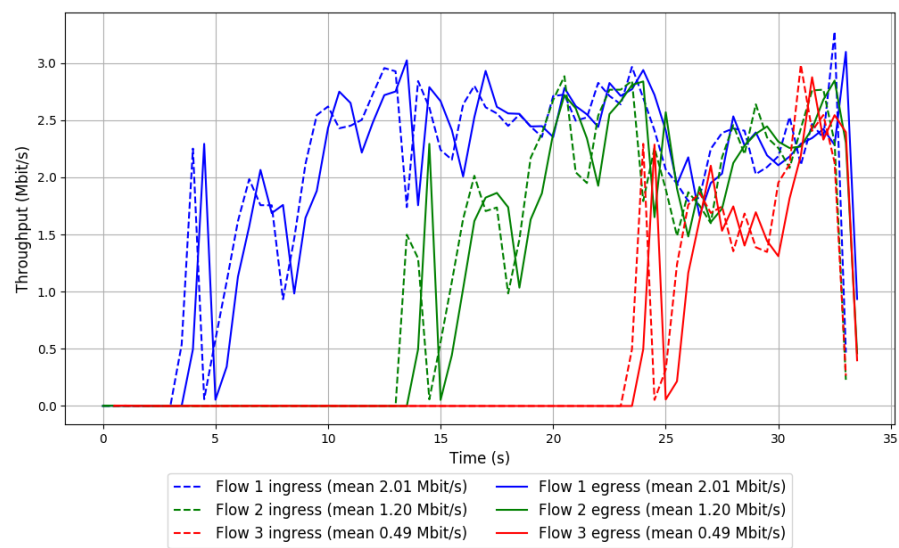


Run 2: Statistics of WebRTC media

Start at: 2018-08-11 07:12:34
End at: 2018-08-11 07:13:04
Local clock offset: -0.098 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-08-11 14:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 61.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 61.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 61.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 66.404 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-11 07:38:41

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

Local clock offset: -0.049 ms

Remote clock offset: 1.319 ms

Below is generated by plot.py at 2018-08-11 14:31:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 68.297 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 68.340 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 62.675 ms

Loss rate: 0.00%

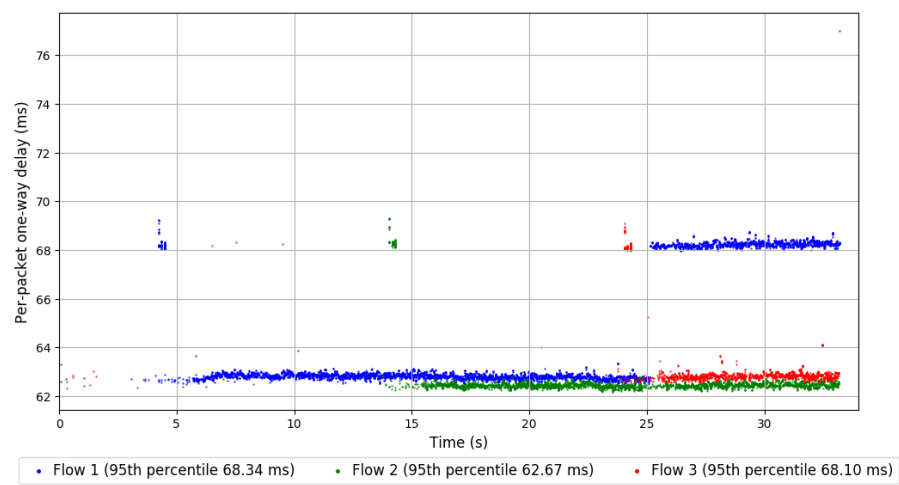
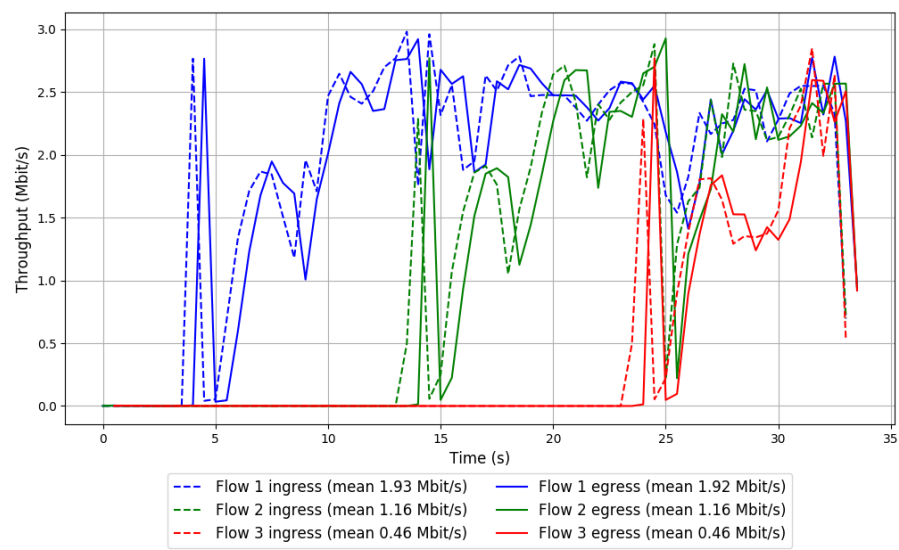
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 68.096 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

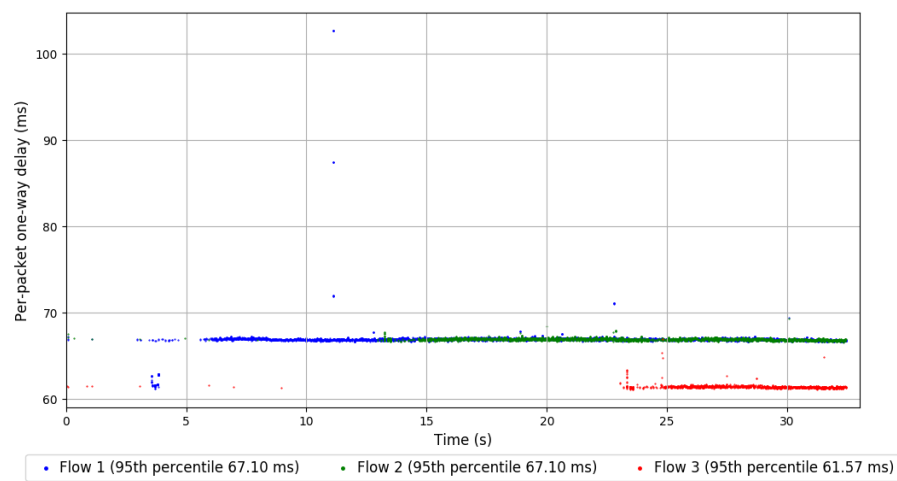
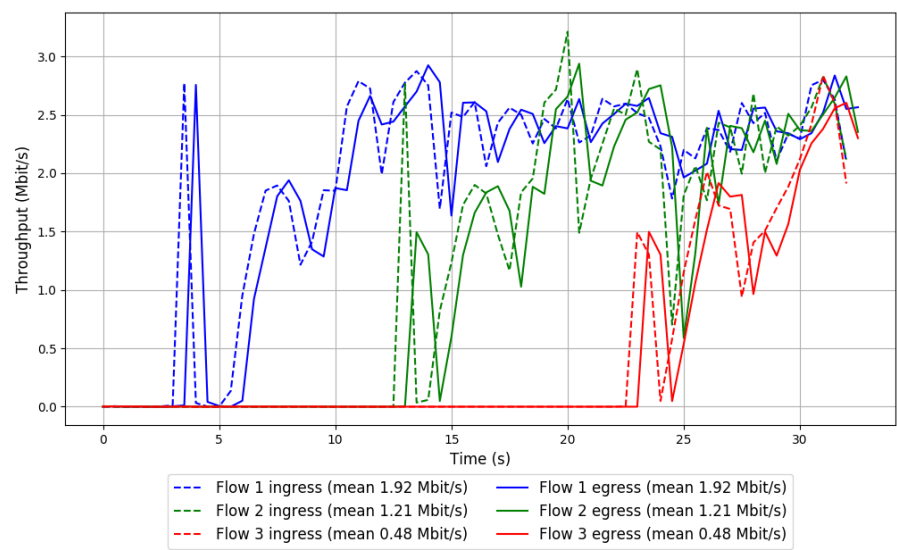


Run 4: Statistics of WebRTC media

Start at: 2018-08-11 08:04:10
End at: 2018-08-11 08:04:40
Local clock offset: -0.087 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-11 14:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 67.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 67.099 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 67.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 61.566 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

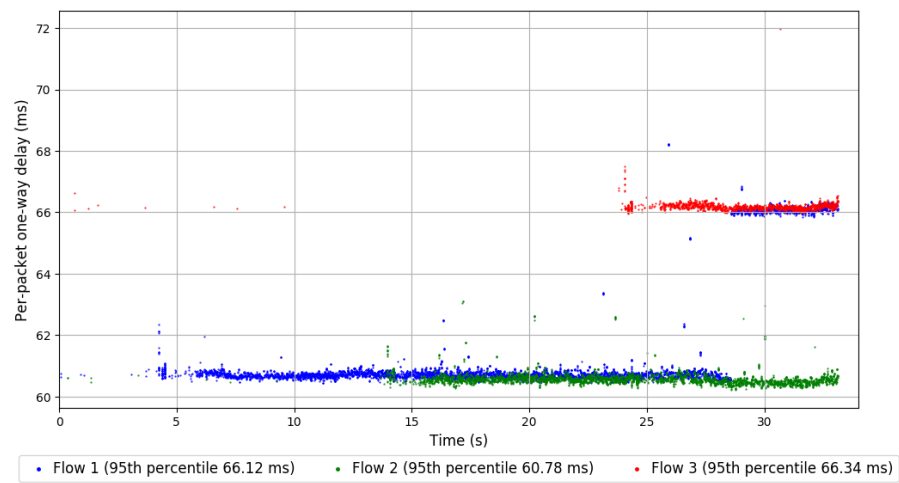
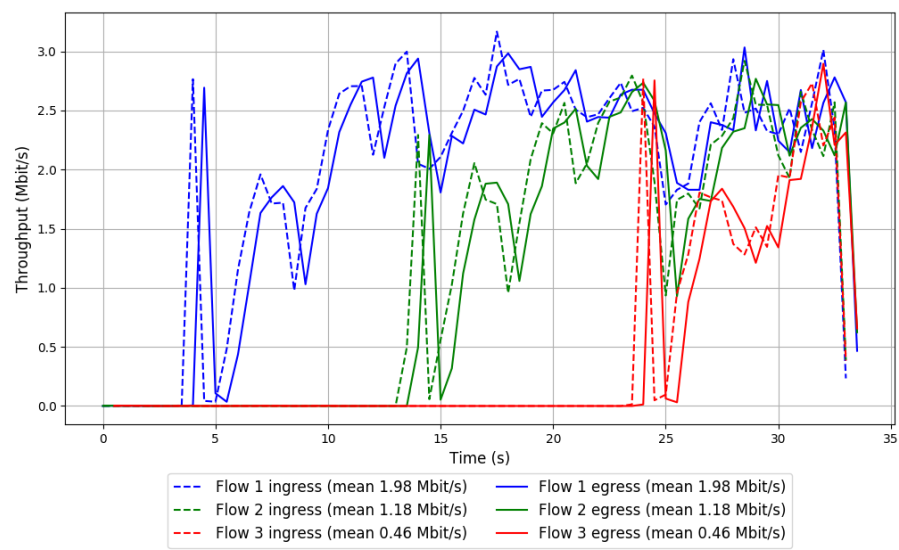


Run 5: Statistics of WebRTC media

Start at: 2018-08-11 08:29:48
End at: 2018-08-11 08:30:18
Local clock offset: -0.075 ms
Remote clock offset: -0.813 ms

Below is generated by plot.py at 2018-08-11 14:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 66.211 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 66.122 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 60.782 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 66.336 ms
Loss rate: 0.37%

Run 5: Report of WebRTC media — Data Link

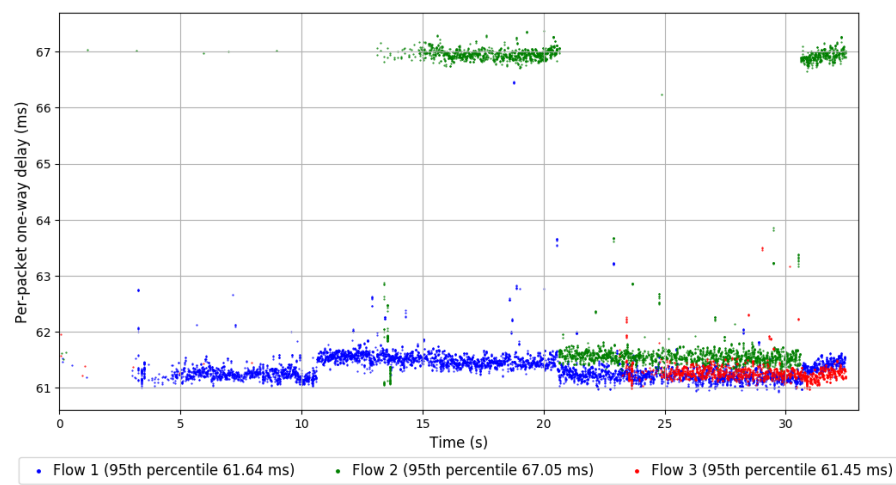
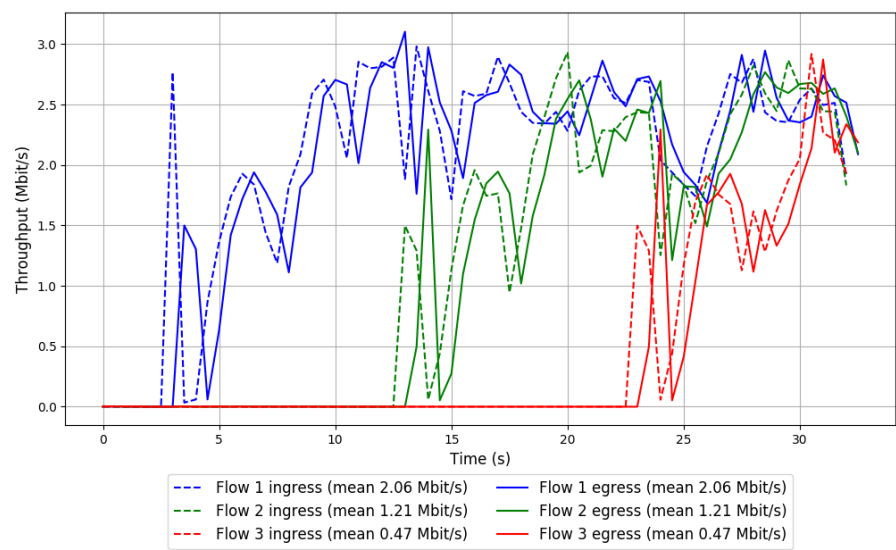


Run 6: Statistics of WebRTC media

Start at: 2018-08-11 08:55:35
End at: 2018-08-11 08:56:05
Local clock offset: -0.074 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-11 14:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 66.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 61.640 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 67.046 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 61.454 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

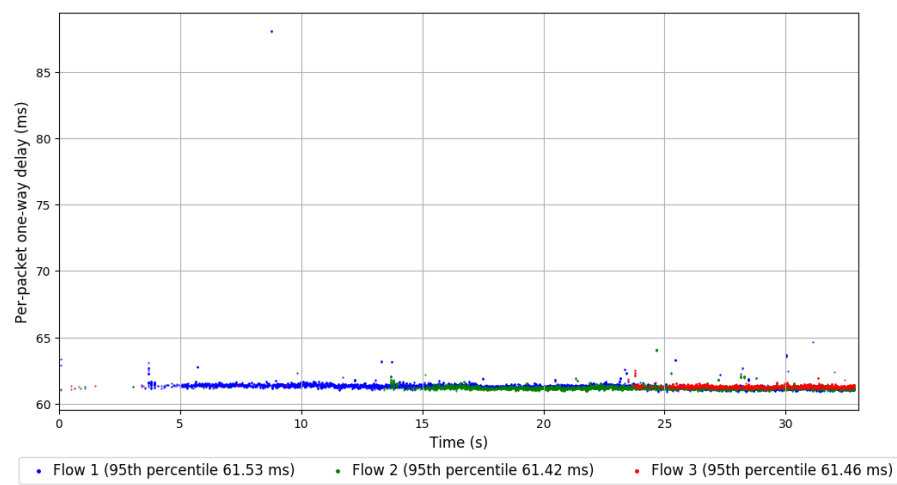
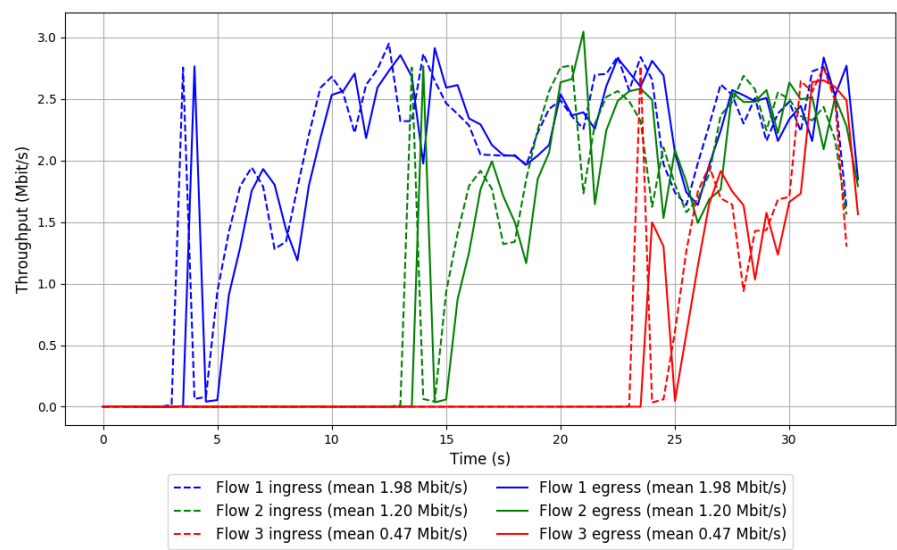


Run 7: Statistics of WebRTC media

Start at: 2018-08-11 09:22:13
End at: 2018-08-11 09:22:43
Local clock offset: -0.048 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-11 14:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 61.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 61.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 61.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 61.456 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-11 09:48:56

End at: 2018-08-11 09:49:26

Local clock offset: 0.034 ms

Remote clock offset: 0.407 ms

Below is generated by plot.py at 2018-08-11 14:31:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 61.757 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 61.706 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 61.805 ms

Loss rate: 0.00%

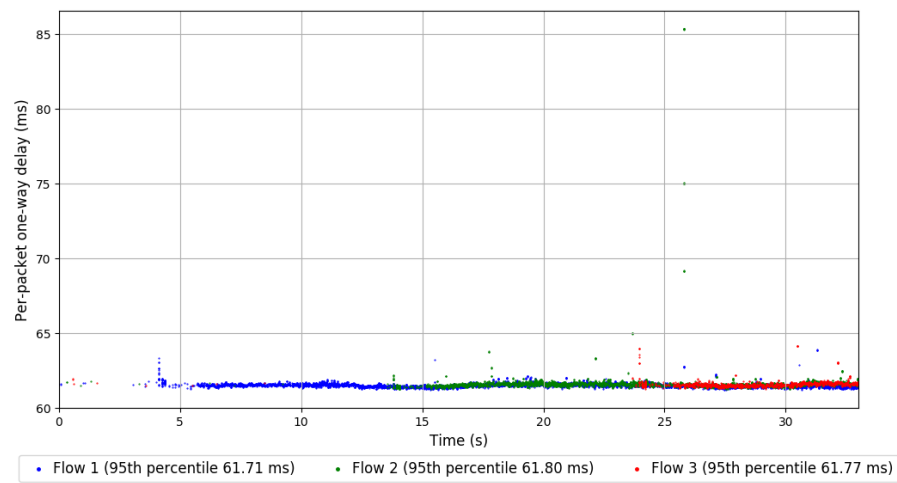
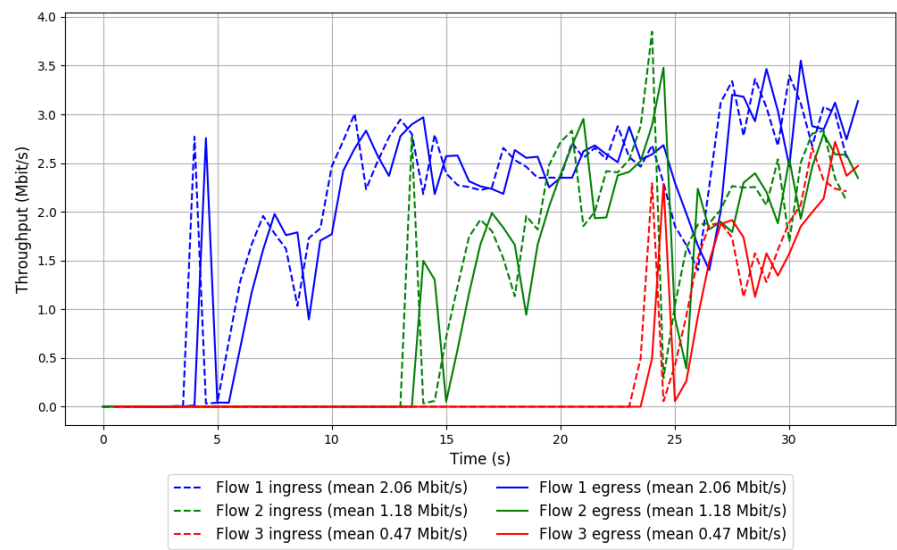
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 61.774 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

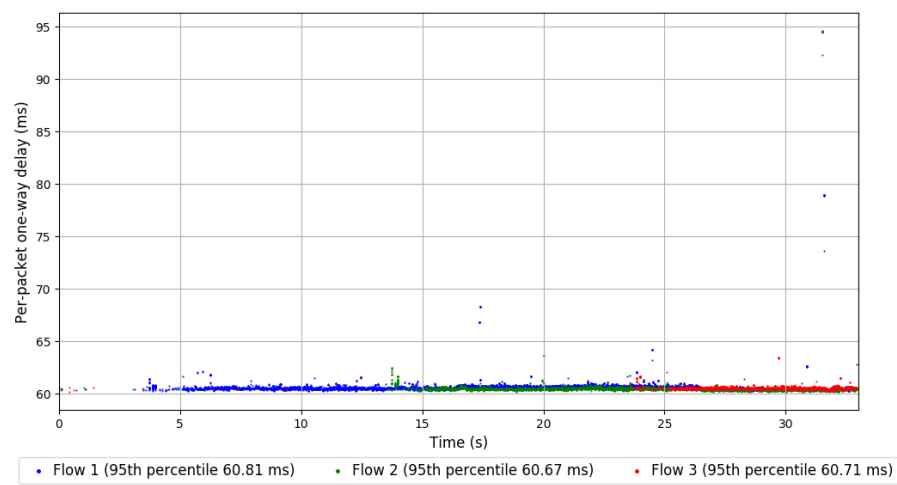
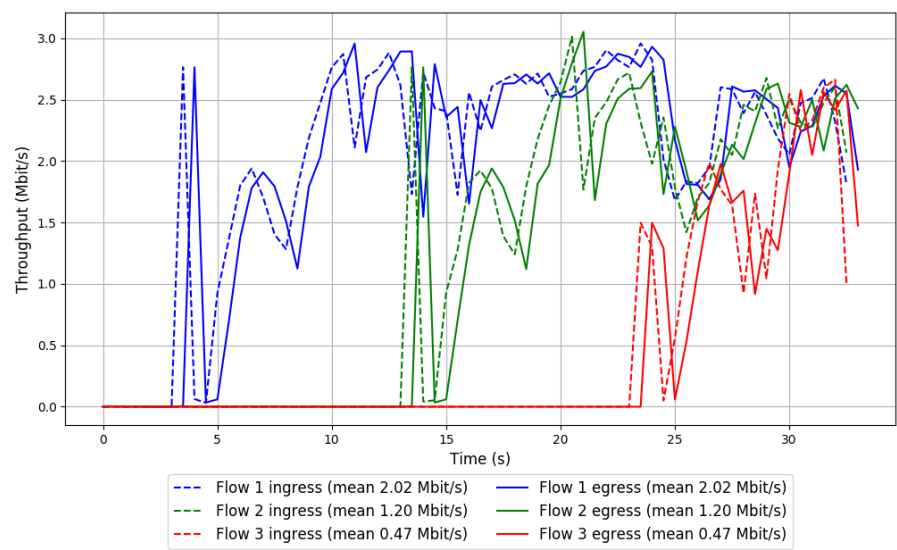


Run 9: Statistics of WebRTC media

Start at: 2018-08-11 10:15:50
End at: 2018-08-11 10:16:20
Local clock offset: -0.011 ms
Remote clock offset: -0.666 ms

Below is generated by plot.py at 2018-08-11 14:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 60.788 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 60.814 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 60.669 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 60.708 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-11 10:42:44
End at: 2018-08-11 10:43:14
Local clock offset: -0.057 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-11 14:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 61.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 61.325 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 61.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 61.423 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

