

Pantheon Report

Generated at 2018-12-02 06:53:55 (UTC).

Data path: AWS Brazil 2 on **ens5** (*local*) → Colombia on **p4p1** (*remote*).

Repeated the test of 19 congestion control schemes 5 times.

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

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

System info:

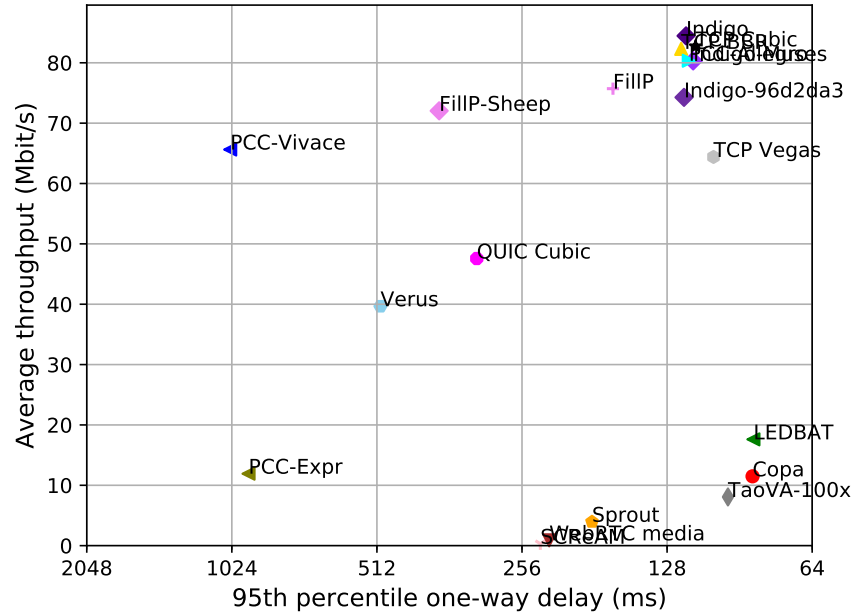
```
Linux 4.15.0-1027-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

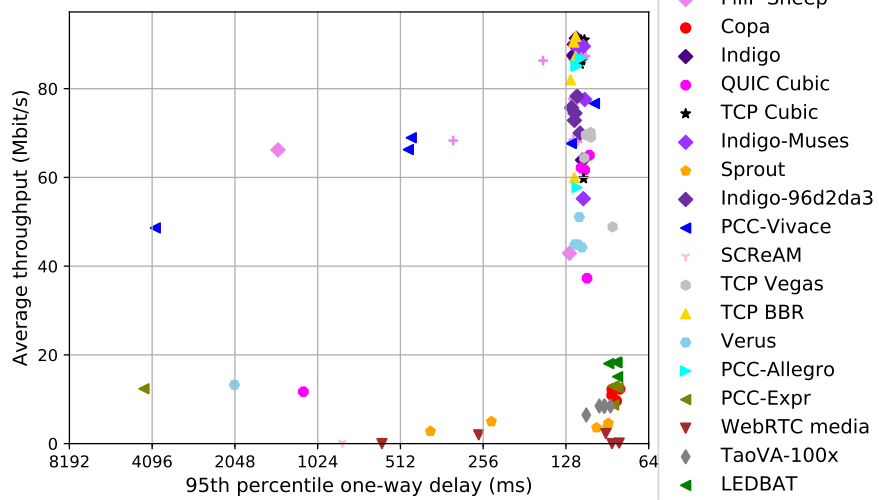
```
branch: muses @ 7b6dad87cde3ab65f7c4052140eb54098aa58e9d
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-96d2da3 @ 8413272d46f8aa0bcb967ed7048b6a8f994abb95
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
```

```
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 2 to Colombia, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



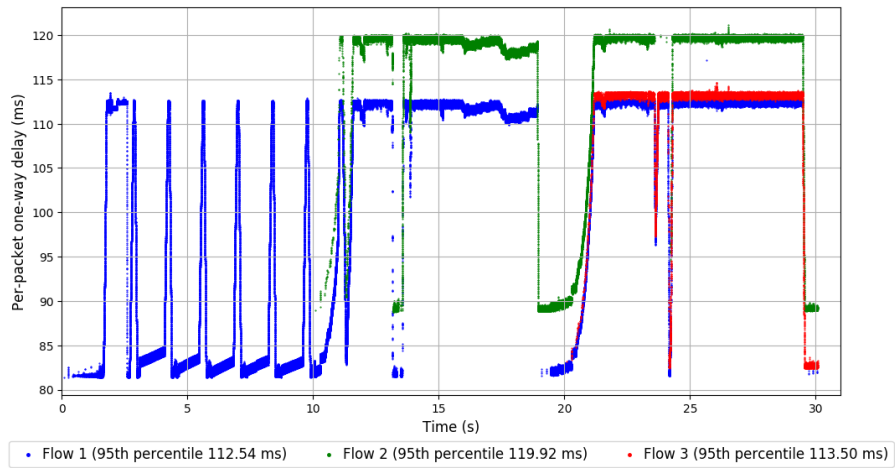
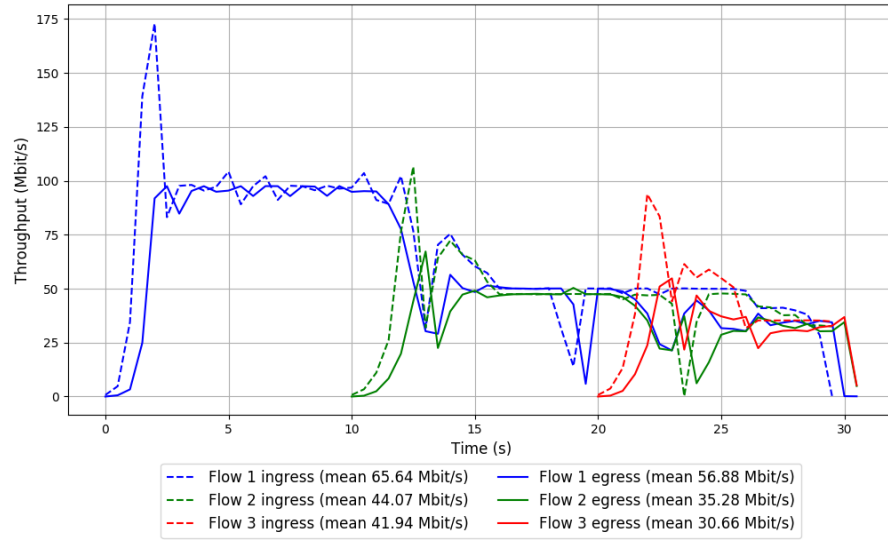
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	50.19	33.13	30.77	586.68	471.11	348.32	13.34	18.89	28.89
Copa	5	7.56	5.24	1.35	85.29	83.69	84.86	72.11	70.61	79.83
TCP Cubic	5	67.76	16.49	14.10	112.04	110.65	109.31	0.82	1.06	2.21
FillP	5	26.08	56.02	37.24	350.33	139.72	339.57	33.09	13.69	29.82
FillP-Sheep	5	20.49	61.32	32.51	481.84	114.59	923.41	16.49	17.60	25.28
Indigo	5	52.59	35.52	26.07	115.18	114.16	115.15	9.37	17.55	47.45
Indigo-96d2da3	5	45.03	33.46	23.15	116.99	119.11	116.66	56.57	58.99	58.94
LEDBAT	5	11.44	7.52	3.56	84.14	84.05	87.89	0.11	0.11	0.20
Indigo-Muses	5	64.40	17.21	16.18	113.28	112.63	438.83	3.66	1.24	2.98
PCC-Allegro	5	61.38	24.66	7.80	114.11	225.10	349.61	3.30	4.62	6.00
PCC-Expr	5	6.72	6.21	3.83	944.11	960.35	84.20	65.99	48.90	49.63
QUIC Cubic	5	30.03	22.01	8.98	109.20	108.22	322.76	0.60	0.61	2.44
SCReAM	5	0.15	0.17	0.16	248.72	217.23	258.85	0.00	0.00	0.00
Sprout	5	2.17	1.74	1.90	205.64	106.02	233.47	0.13	0.00	0.66
TaoVA-100x	5	0.00	8.29	7.65	87.58	99.25	90.37	95.92	36.73	53.23
TCP Vegas	5	31.43	38.41	22.18	103.51	100.01	99.13	1.34	0.81	0.83
Verus	5	21.92	19.04	16.02	377.56	392.62	691.90	30.29	36.09	32.87
PCC-Vivace	5	51.85	17.28	8.71	1170.10	960.36	195.96	6.04	2.24	2.28
WebRTC media	5	0.56	0.25	0.06	258.09	86.28	224.64	0.01	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-12-02 04:49:50
End at: 2018-12-02 04:50:20
Local clock offset: -6.64 ms
Remote clock offset: 23.385 ms

Below is generated by plot.py at 2018-12-02 06:46:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 119.778 ms
Loss rate: 16.87%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 112.536 ms
Loss rate: 13.34%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 119.921 ms
Loss rate: 19.98%
-- Flow 3:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 113.498 ms
Loss rate: 26.92%

Run 1: Report of TCP BBR — Data Link

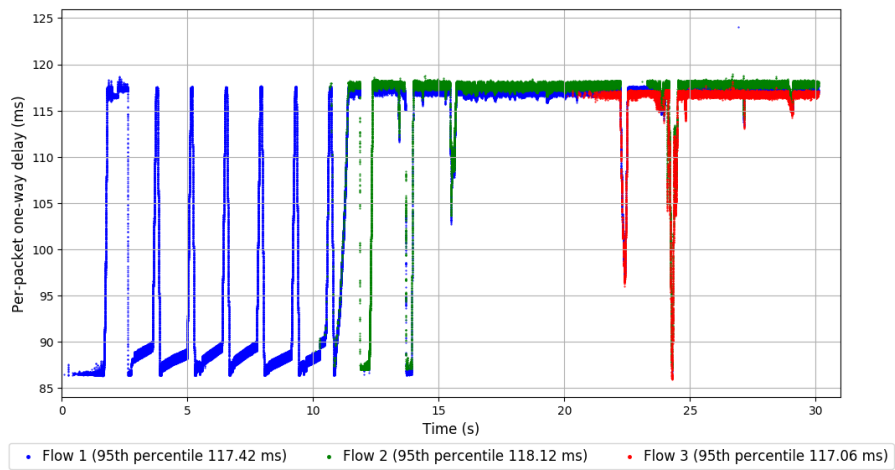
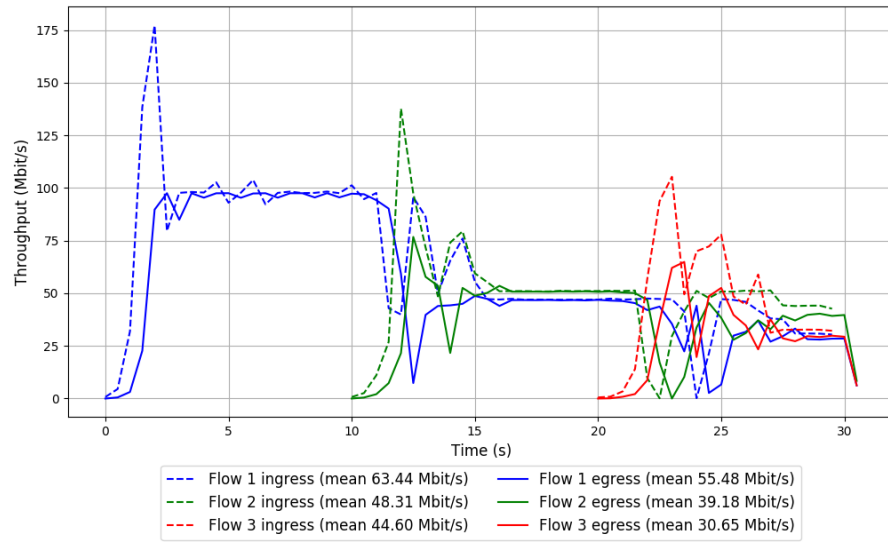


Run 2: Statistics of TCP BBR

Start at: 2018-12-02 05:14:03
End at: 2018-12-02 05:14:33
Local clock offset: -0.493 ms
Remote clock offset: 20.349 ms

Below is generated by plot.py at 2018-12-02 06:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 117.992 ms
Loss rate: 16.84%
-- Flow 1:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 117.418 ms
Loss rate: 12.47%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 118.121 ms
Loss rate: 18.80%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 117.063 ms
Loss rate: 31.29%

Run 2: Report of TCP BBR — Data Link

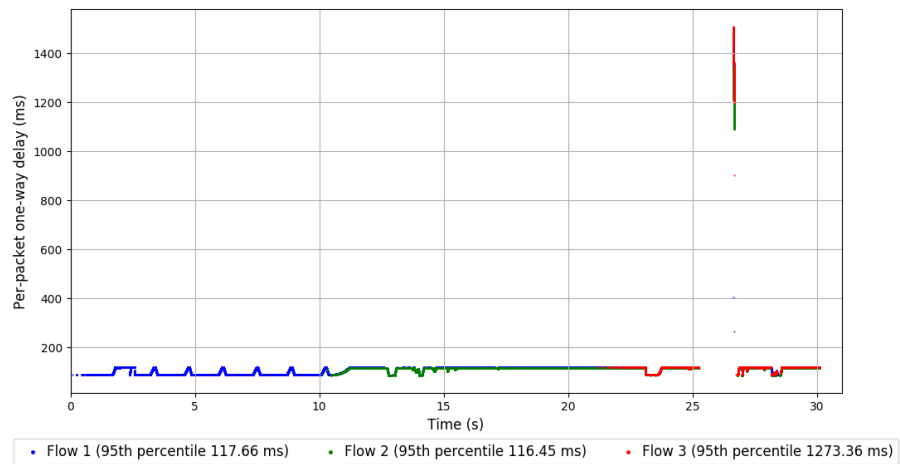
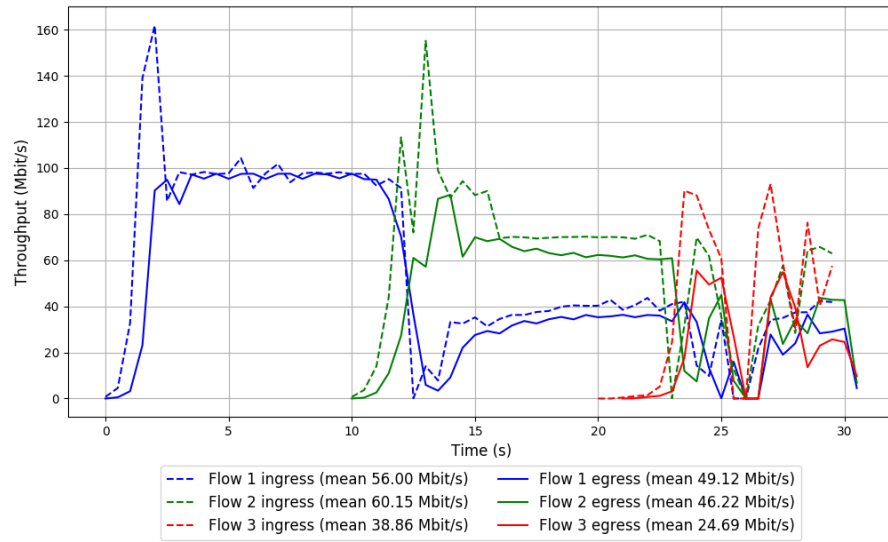


Run 3: Statistics of TCP BBR

Start at: 2018-12-02 05:38:14
End at: 2018-12-02 05:38:44
Local clock offset: -5.932 ms
Remote clock offset: 18.878 ms

Below is generated by plot.py at 2018-12-02 06:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 118.052 ms
Loss rate: 19.85%
-- Flow 1:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 117.660 ms
Loss rate: 12.21%
-- Flow 2:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 116.447 ms
Loss rate: 23.07%
-- Flow 3:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1273.359 ms
Loss rate: 42.99%

Run 3: Report of TCP BBR — Data Link

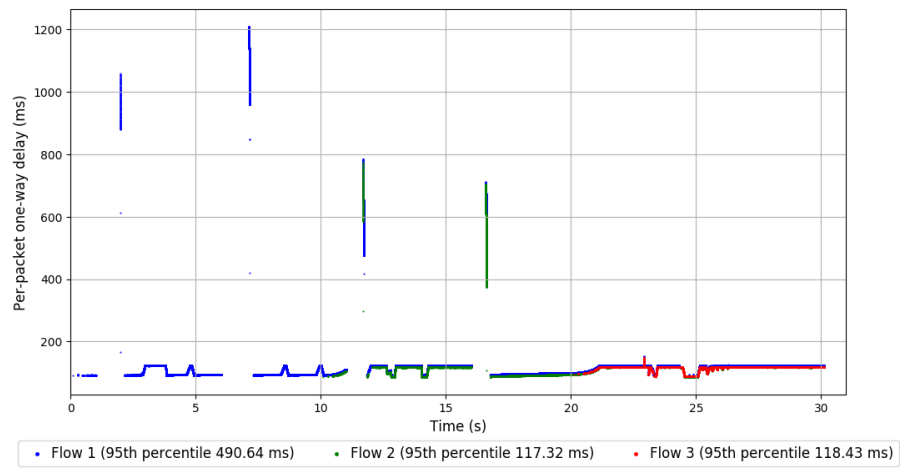
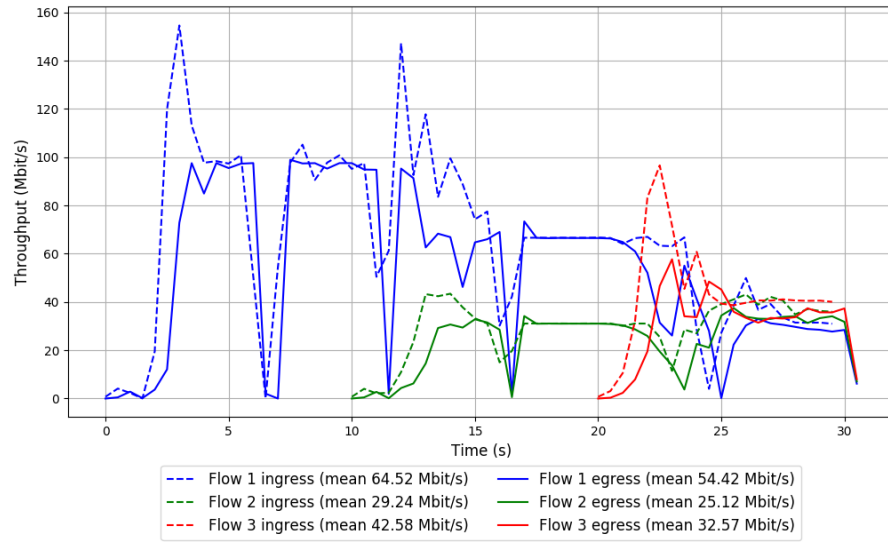


Run 4: Statistics of TCP BBR

Start at: 2018-12-02 06:02:13
End at: 2018-12-02 06:02:43
Local clock offset: -1.852 ms
Remote clock offset: 19.116 ms

Below is generated by plot.py at 2018-12-02 06:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.01 Mbit/s
95th percentile per-packet one-way delay: 123.185 ms
Loss rate: 16.38%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 490.640 ms
Loss rate: 15.58%
-- Flow 2:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 117.324 ms
Loss rate: 13.96%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 118.429 ms
Loss rate: 23.34%

Run 4: Report of TCP BBR — Data Link

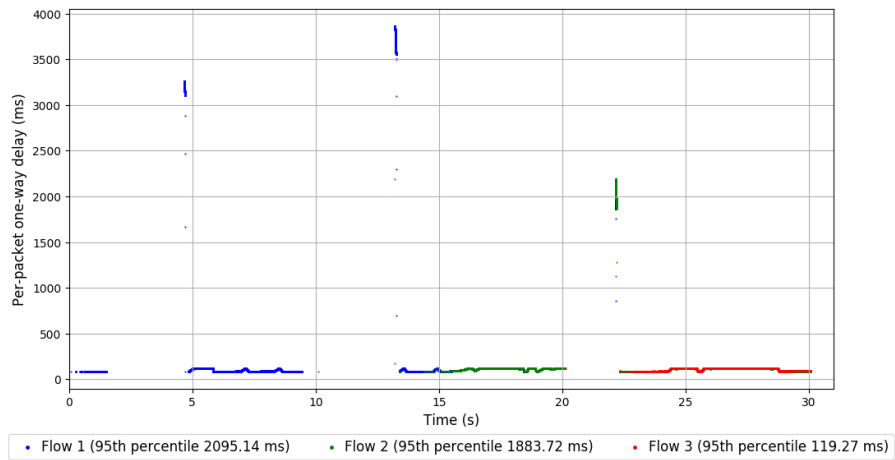
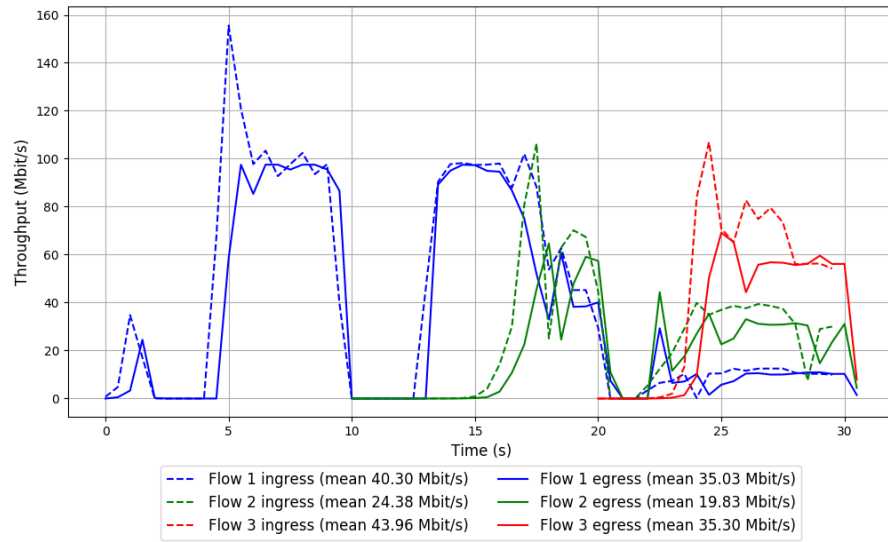


Run 5: Statistics of TCP BBR

Start at: 2018-12-02 06:26:50
End at: 2018-12-02 06:27:20
Local clock offset: -4.491 ms
Remote clock offset: -1.823 ms

Below is generated by plot.py at 2018-12-02 06:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 119.324 ms
Loss rate: 15.76%
-- Flow 1:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 2095.137 ms
Loss rate: 13.08%
-- Flow 2:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 1883.719 ms
Loss rate: 18.66%
-- Flow 3:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 119.266 ms
Loss rate: 19.93%

Run 5: Report of TCP BBR — Data Link

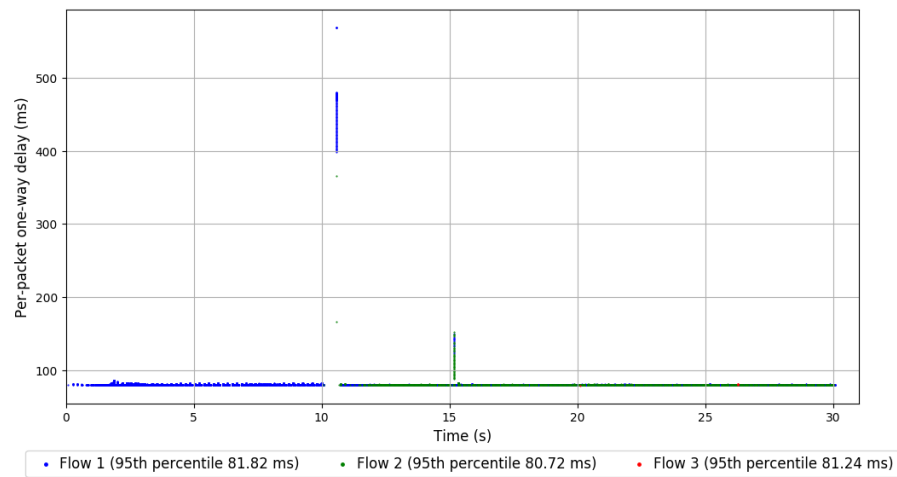
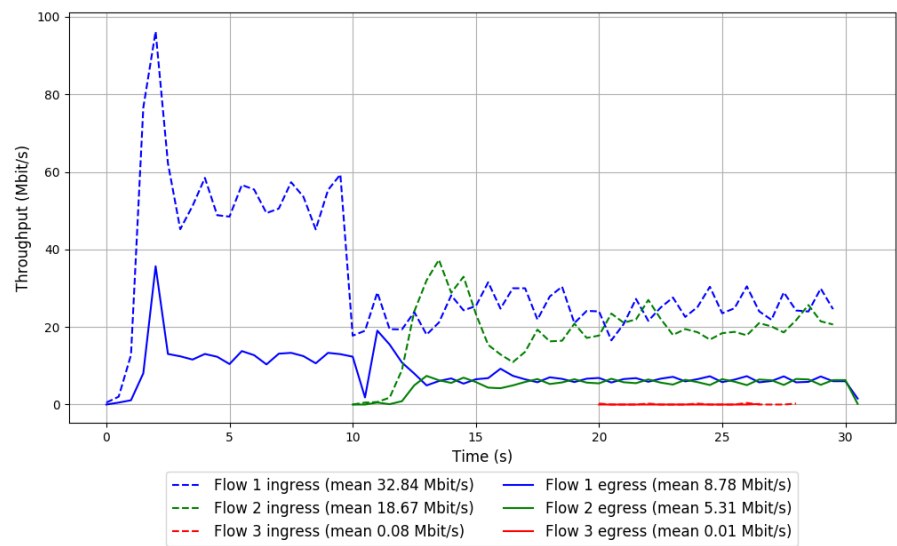


Run 1: Statistics of Copa

Start at: 2018-12-02 04:45:57
End at: 2018-12-02 04:46:27
Local clock offset: -6.991 ms
Remote clock offset: 21.668 ms

Below is generated by plot.py at 2018-12-02 06:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 81.578 ms
Loss rate: 72.82%
-- Flow 1:
Average throughput: 8.78 Mbit/s
95th percentile per-packet one-way delay: 81.824 ms
Loss rate: 73.28%
-- Flow 2:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 80.724 ms
Loss rate: 71.58%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 81.239 ms
Loss rate: 89.34%

Run 1: Report of Copa — Data Link

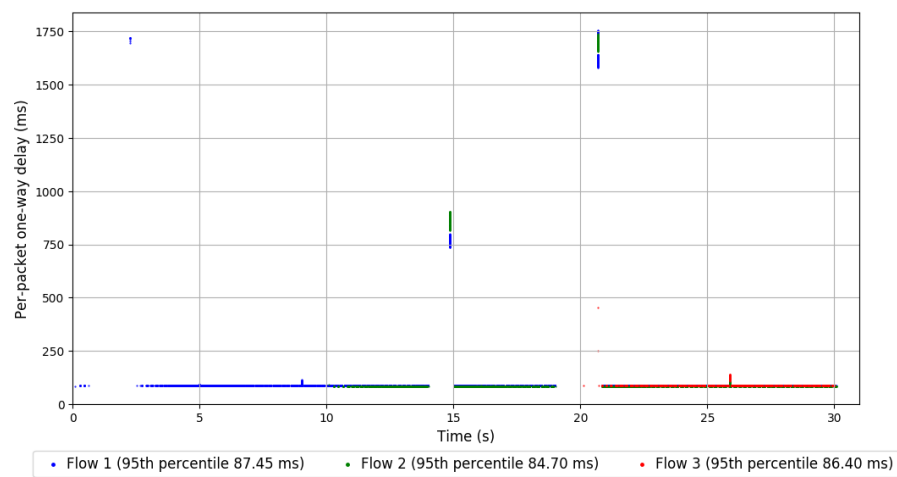
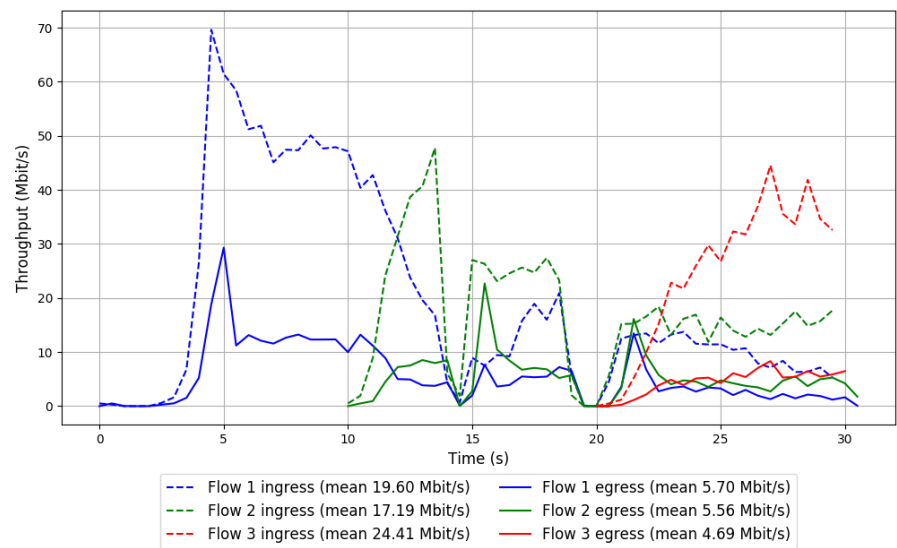


Run 2: Statistics of Copa

Start at: 2018-12-02 05:10:09
End at: 2018-12-02 05:10:39
Local clock offset: -0.944 ms
Remote clock offset: 21.059 ms

Below is generated by plot.py at 2018-12-02 06:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.95 Mbit/s
95th percentile per-packet one-way delay: 87.125 ms
Loss rate: 72.01%
-- Flow 1:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 87.452 ms
Loss rate: 70.93%
-- Flow 2:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 84.703 ms
Loss rate: 67.66%
-- Flow 3:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 86.399 ms
Loss rate: 80.80%

Run 2: Report of Copa — Data Link

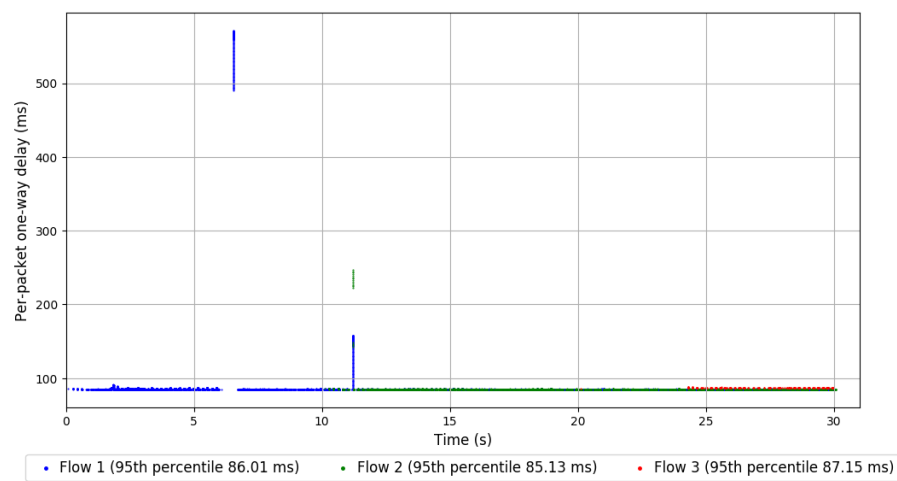
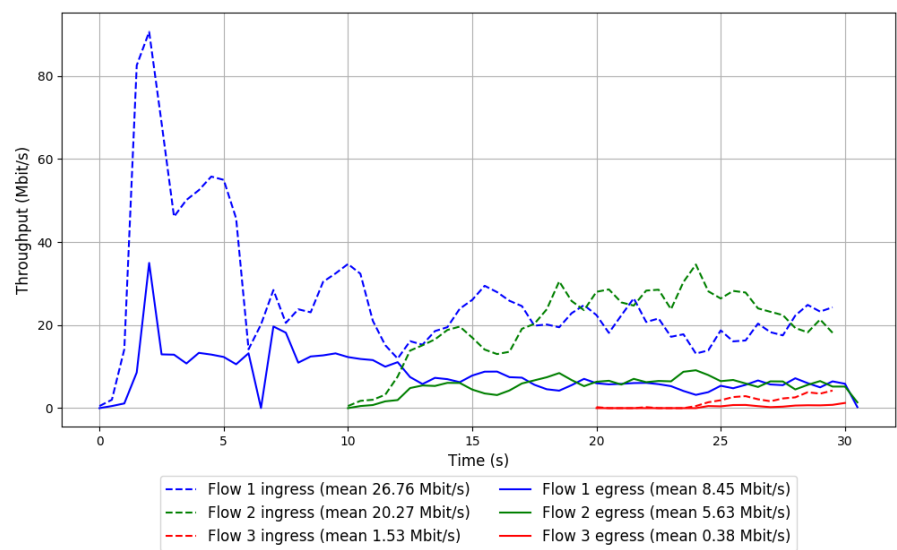


Run 3: Statistics of Copa

Start at: 2018-12-02 05:34:21
End at: 2018-12-02 05:34:51
Local clock offset: -5.579 ms
Remote clock offset: 19.075 ms

Below is generated by plot.py at 2018-12-02 06:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 85.893 ms
Loss rate: 69.77%
-- Flow 1:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 86.007 ms
Loss rate: 68.45%
-- Flow 2:
Average throughput: 5.63 Mbit/s
95th percentile per-packet one-way delay: 85.134 ms
Loss rate: 72.20%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 87.150 ms
Loss rate: 74.86%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-12-02 05:58:23

End at: 2018-12-02 05:58:53

Local clock offset: -2.555 ms

Remote clock offset: 18.0 ms

Below is generated by plot.py at 2018-12-02 06:46:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.23 Mbit/s

95th percentile per-packet one-way delay: 86.972 ms

Loss rate: 69.28%

-- Flow 1:

Average throughput: 8.53 Mbit/s

95th percentile per-packet one-way delay: 86.264 ms

Loss rate: 70.53%

-- Flow 2:

Average throughput: 5.56 Mbit/s

95th percentile per-packet one-way delay: 87.031 ms

Loss rate: 65.93%

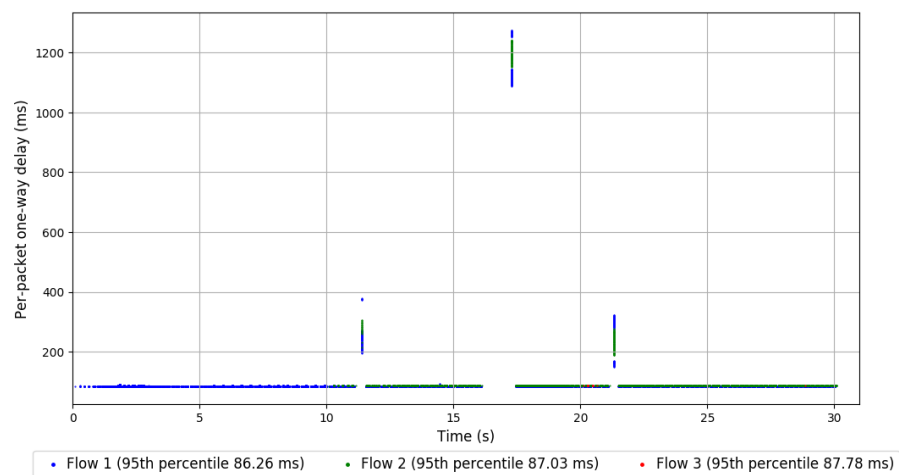
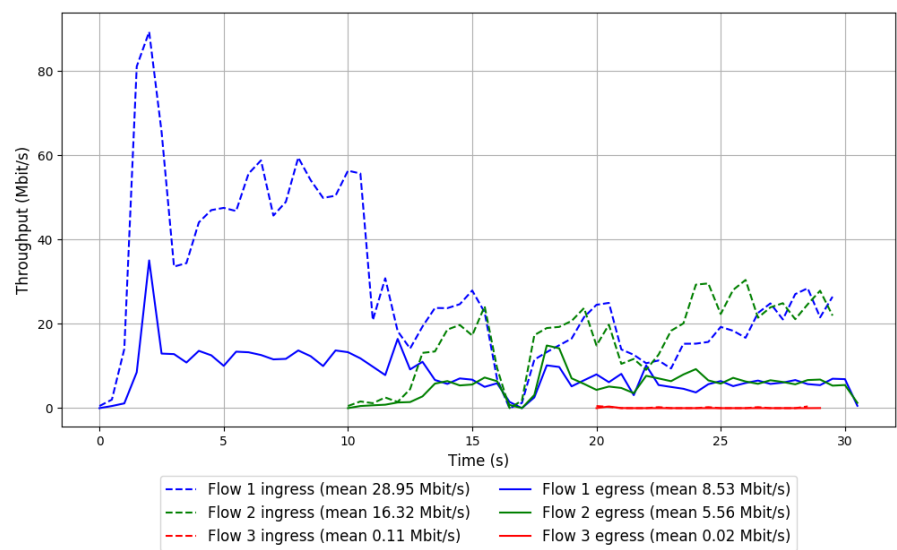
-- Flow 3:

Average throughput: 0.02 Mbit/s

95th percentile per-packet one-way delay: 87.778 ms

Loss rate: 77.42%

Run 4: Report of Copa — Data Link

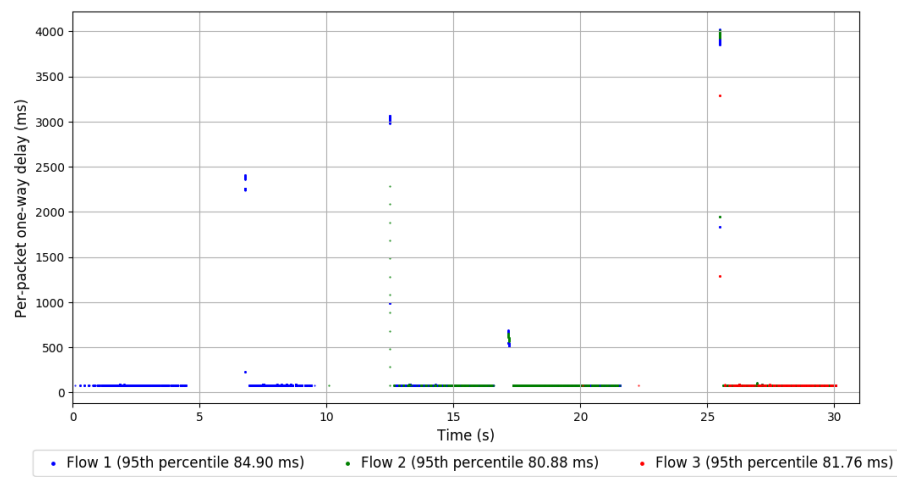
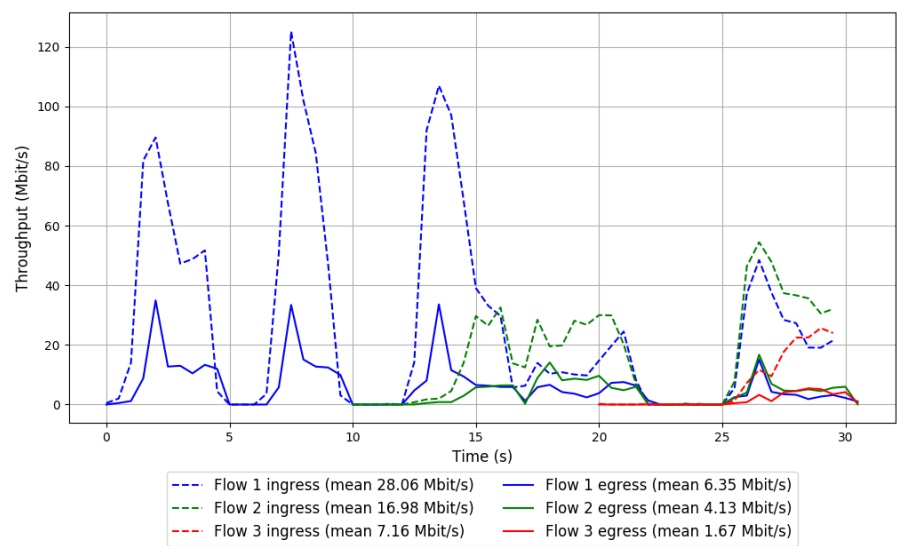


Run 5: Statistics of Copa

Start at: 2018-12-02 06:22:45
End at: 2018-12-02 06:23:15
Local clock offset: -2.926 ms
Remote clock offset: -5.908 ms

```
# Below is generated by plot.py at 2018-12-02 06:46:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 83.912 ms
Loss rate: 76.87%
-- Flow 1:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 84.903 ms
Loss rate: 77.37%
-- Flow 2:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 80.881 ms
Loss rate: 75.67%
-- Flow 3:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 81.757 ms
Loss rate: 76.73%
```

Run 5: Report of Copa — Data Link

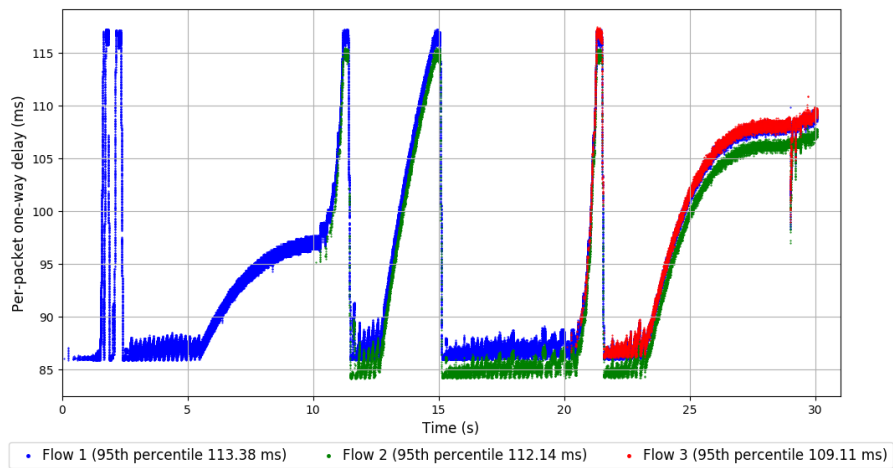
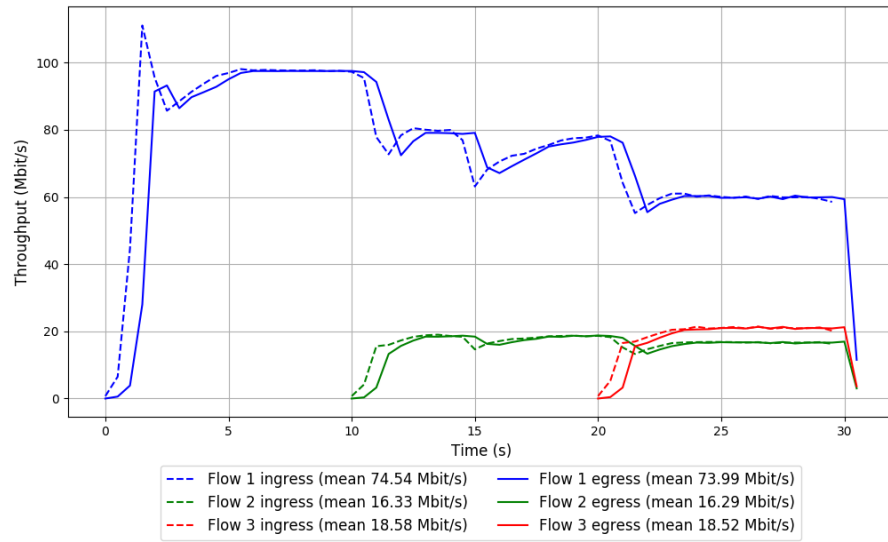


Run 1: Statistics of TCP Cubic

Start at: 2018-12-02 04:52:25
End at: 2018-12-02 04:52:55
Local clock offset: -5.411 ms
Remote clock offset: 26.677 ms

Below is generated by plot.py at 2018-12-02 06:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 112.733 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 113.376 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 112.135 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 109.105 ms
Loss rate: 0.12%

Run 1: Report of TCP Cubic — Data Link

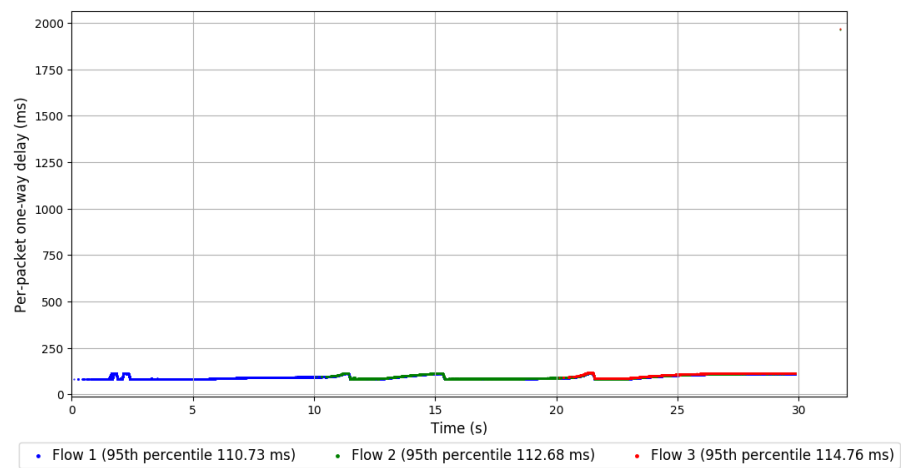
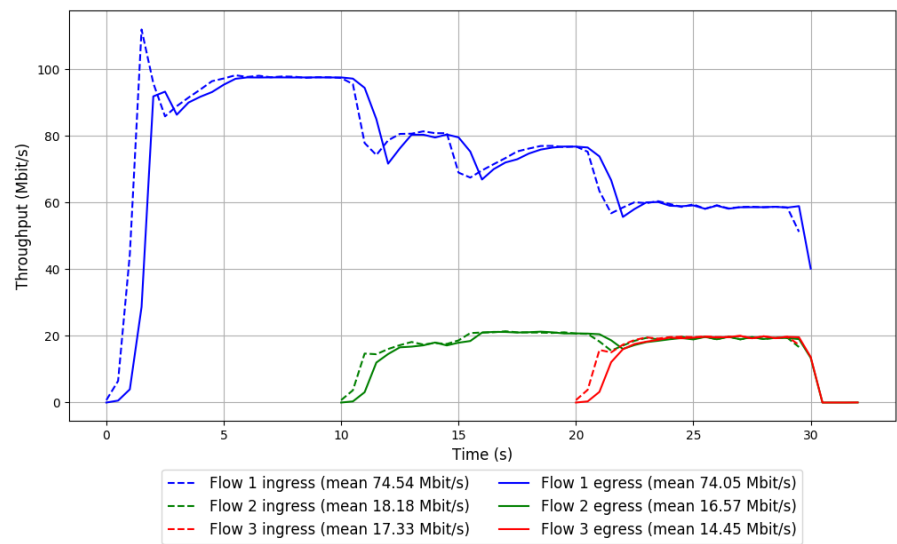


Run 2: Statistics of TCP Cubic

Start at: 2018-12-02 05:16:38
End at: 2018-12-02 05:17:08
Local clock offset: -0.297 ms
Remote clock offset: 15.857 ms

Below is generated by plot.py at 2018-12-02 06:46:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 112.377 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 110.726 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 112.678 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 14.45 Mbit/s
95th percentile per-packet one-way delay: 114.764 ms
Loss rate: 2.58%

Run 2: Report of TCP Cubic — Data Link

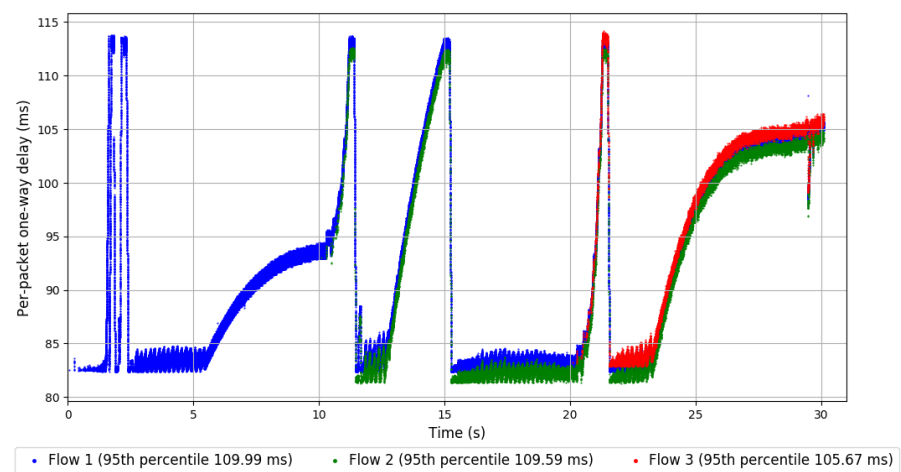
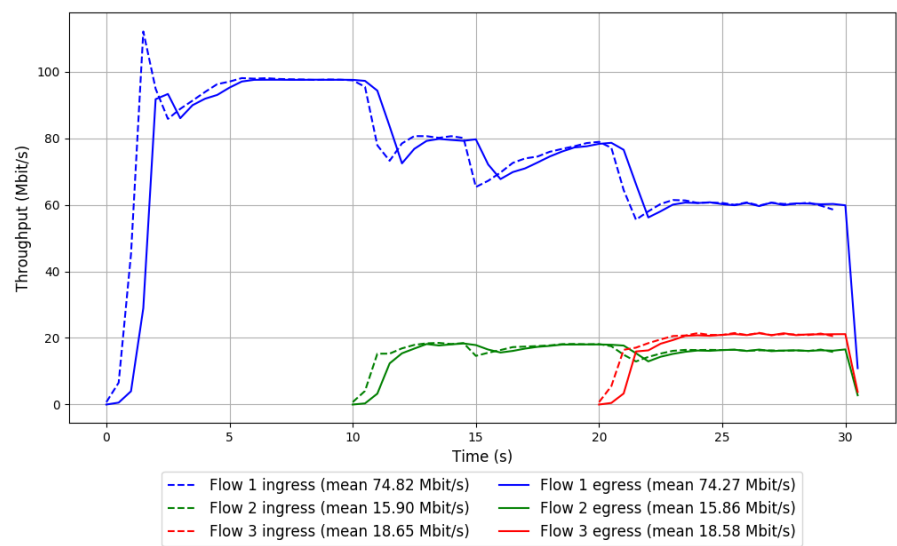


Run 3: Statistics of TCP Cubic

Start at: 2018-12-02 05:40:48
End at: 2018-12-02 05:41:18
Local clock offset: -6.101 ms
Remote clock offset: 14.551 ms

Below is generated by plot.py at 2018-12-02 06:46:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 109.629 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 74.27 Mbit/s
95th percentile per-packet one-way delay: 109.986 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 109.589 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 105.668 ms
Loss rate: 0.17%

Run 3: Report of TCP Cubic — Data Link

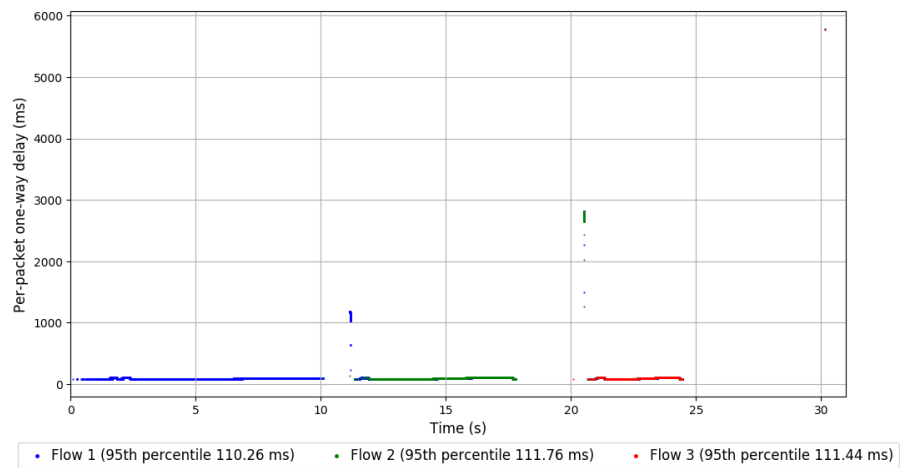
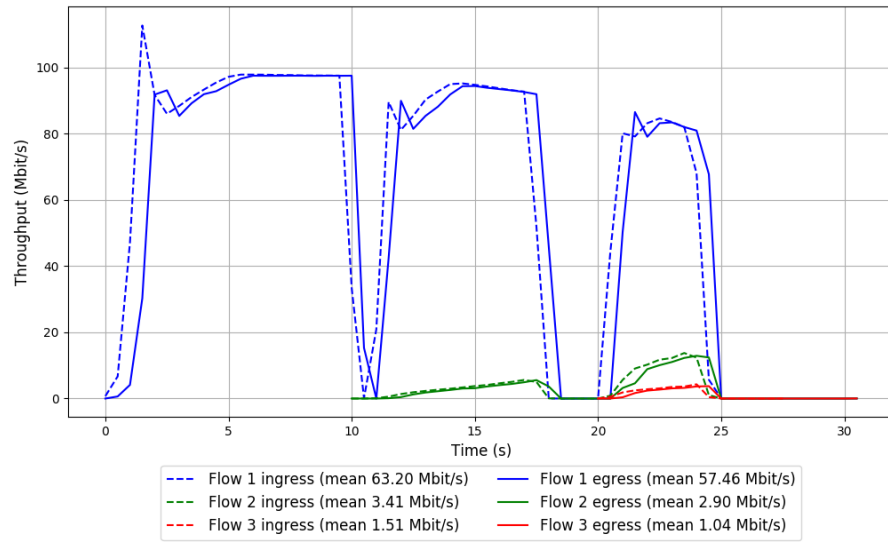


Run 4: Statistics of TCP Cubic

Start at: 2018-12-02 06:04:59
End at: 2018-12-02 06:05:29
Local clock offset: -0.621 ms
Remote clock offset: 12.896 ms

Below is generated by plot.py at 2018-12-02 06:46:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 110.392 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 57.46 Mbit/s
95th percentile per-packet one-way delay: 110.256 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 111.756 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 111.436 ms
Loss rate: 7.94%

Run 4: Report of TCP Cubic — Data Link

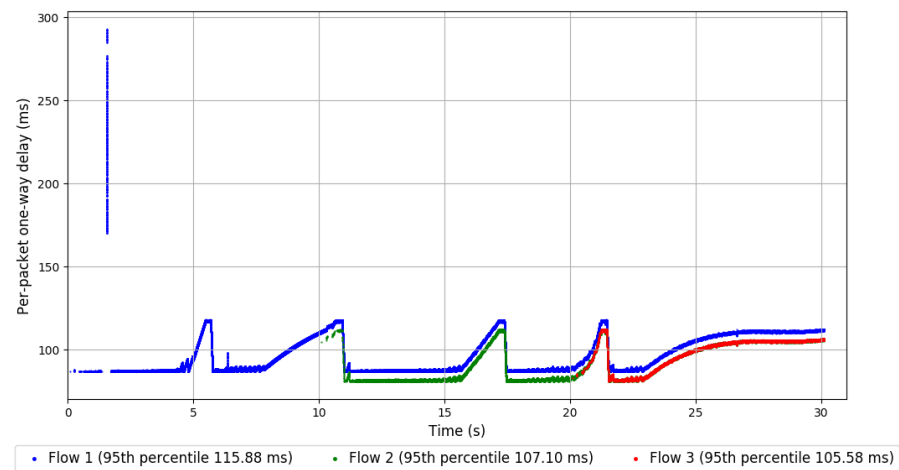
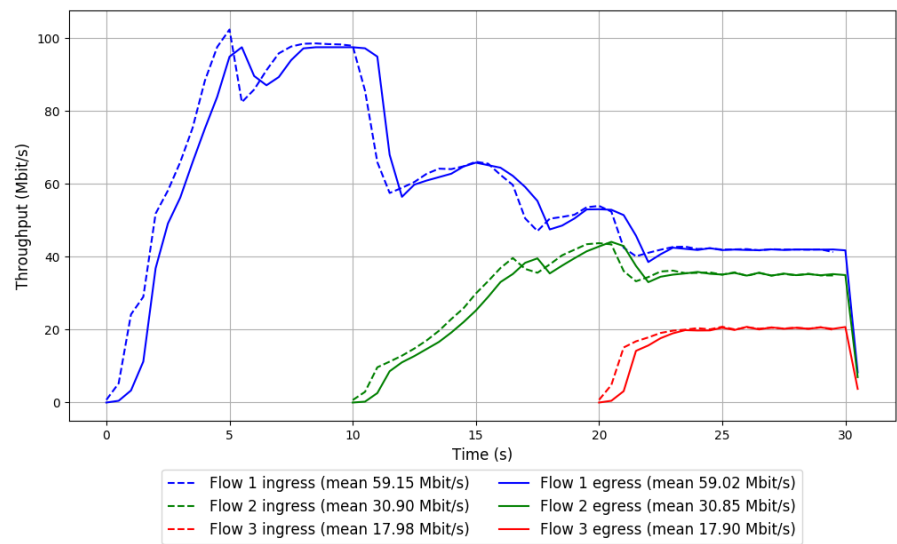


Run 5: Statistics of TCP Cubic

Start at: 2018-12-02 06:29:31
End at: 2018-12-02 06:30:01
Local clock offset: -4.443 ms
Remote clock offset: -9.268 ms

Below is generated by plot.py at 2018-12-02 06:47:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 113.474 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.02 Mbit/s
95th percentile per-packet one-way delay: 115.875 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 107.096 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 17.90 Mbit/s
95th percentile per-packet one-way delay: 105.581 ms
Loss rate: 0.25%

Run 5: Report of TCP Cubic — Data Link

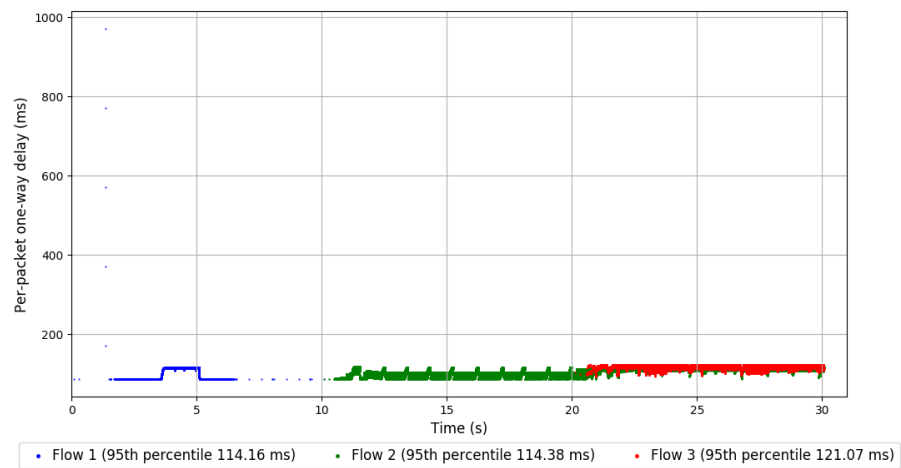
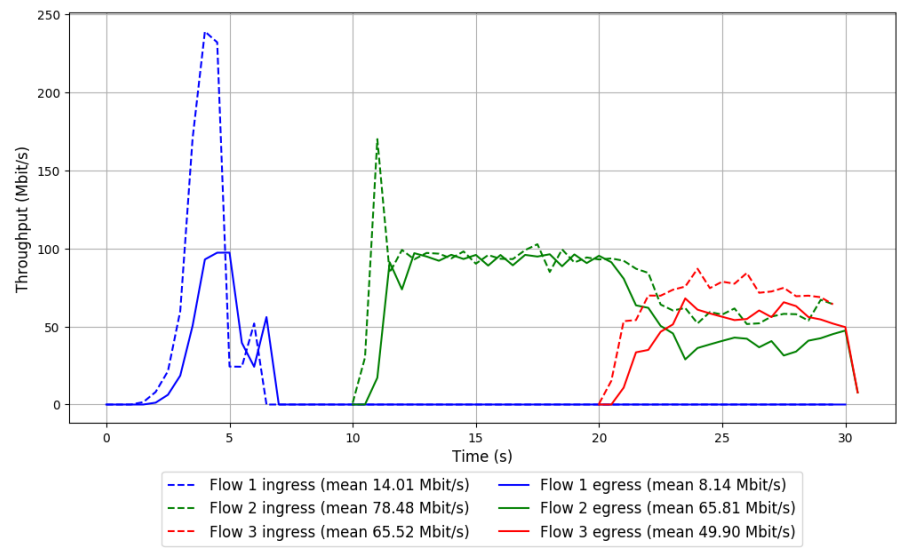


Run 1: Statistics of FillP

Start at: 2018-12-02 05:00:04
End at: 2018-12-02 05:00:34
Local clock offset: -3.134 ms
Remote clock offset: 24.456 ms

Below is generated by plot.py at 2018-12-02 06:47:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 120.228 ms
Loss rate: 22.04%
-- Flow 1:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 114.160 ms
Loss rate: 41.88%
-- Flow 2:
Average throughput: 65.81 Mbit/s
95th percentile per-packet one-way delay: 114.381 ms
Loss rate: 16.03%
-- Flow 3:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 121.070 ms
Loss rate: 23.82%

Run 1: Report of FillP — Data Link

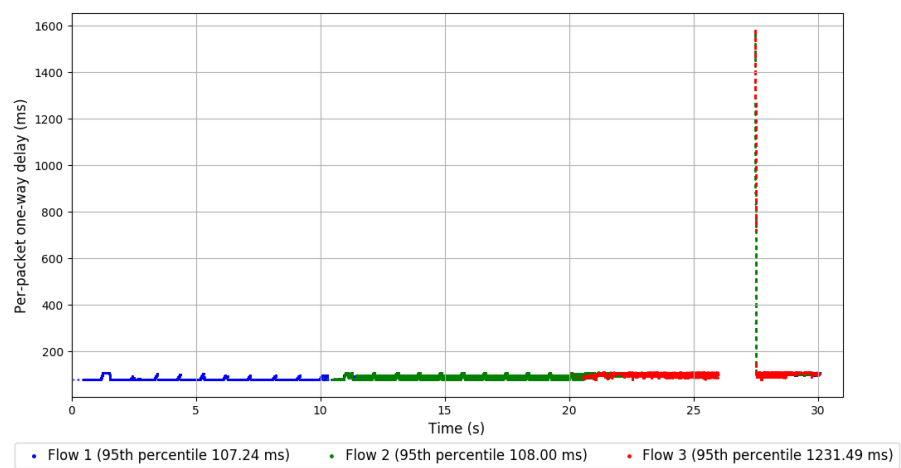
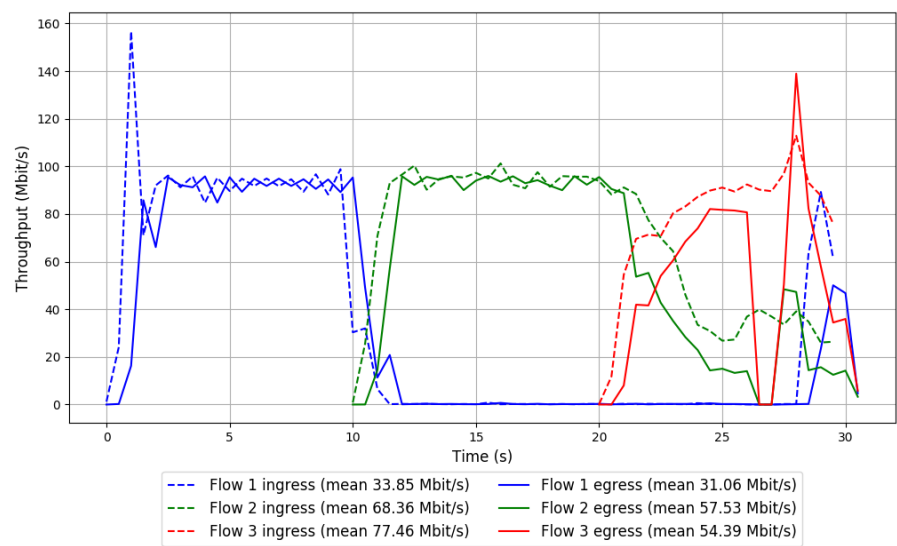


Run 2: Statistics of FillP

Start at: 2018-12-02 05:24:16
End at: 2018-12-02 05:24:46
Local clock offset: -2.911 ms
Remote clock offset: 14.338 ms

Below is generated by plot.py at 2018-12-02 06:47:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 108.573 ms
Loss rate: 16.74%
-- Flow 1:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 107.236 ms
Loss rate: 8.18%
-- Flow 2:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 108.004 ms
Loss rate: 15.76%
-- Flow 3:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 1231.494 ms
Loss rate: 29.76%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-12-02 05:48:22

End at: 2018-12-02 05:48:52

Local clock offset: -6.257 ms

Remote clock offset: 19.53 ms

Below is generated by plot.py at 2018-12-02 06:47:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 155.000 ms

Loss rate: 19.32%

-- Flow 1:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 224.631 ms

Loss rate: 18.00%

-- Flow 2:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 116.233 ms

Loss rate: 6.71%

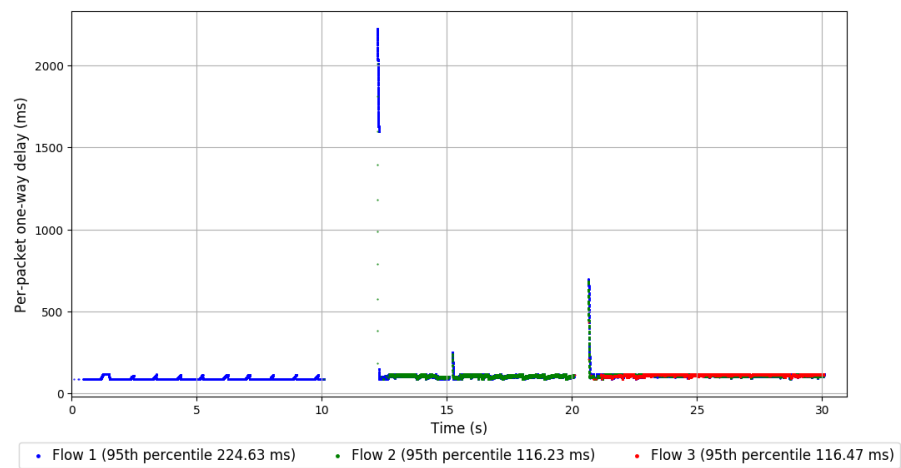
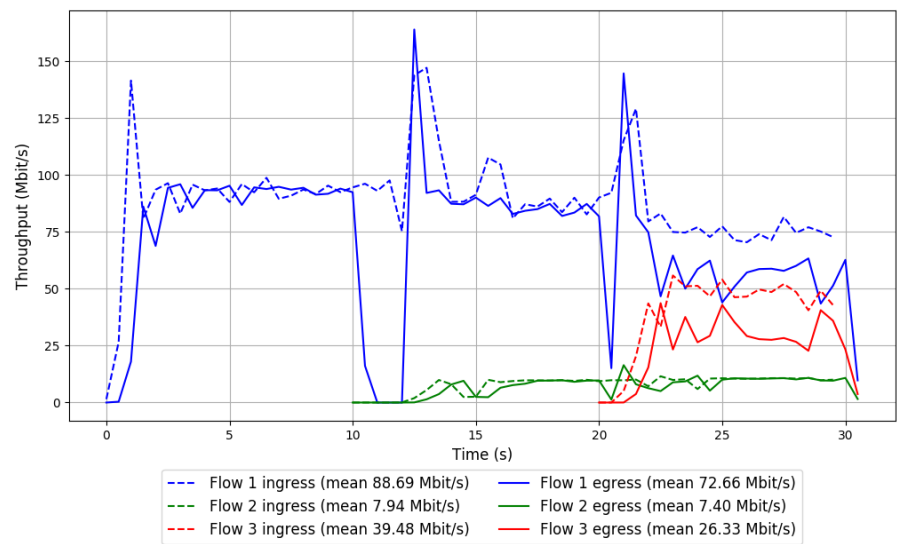
-- Flow 3:

Average throughput: 26.33 Mbit/s

95th percentile per-packet one-way delay: 116.466 ms

Loss rate: 33.30%

Run 3: Report of FillP — Data Link

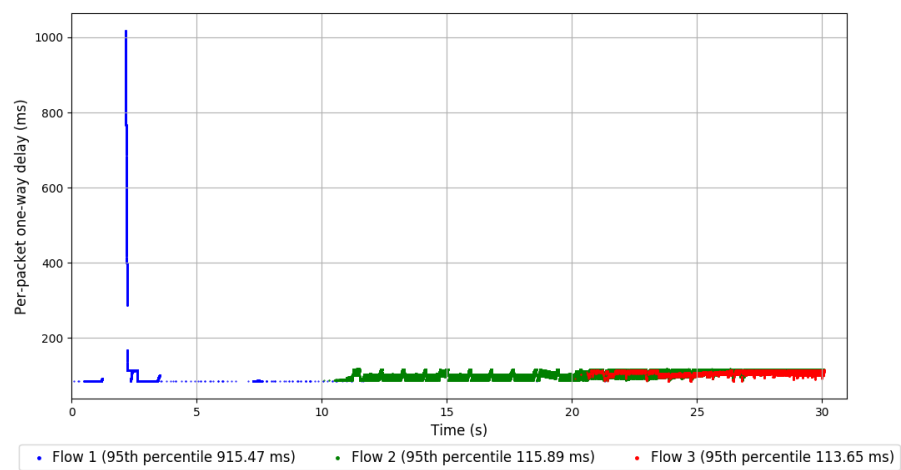
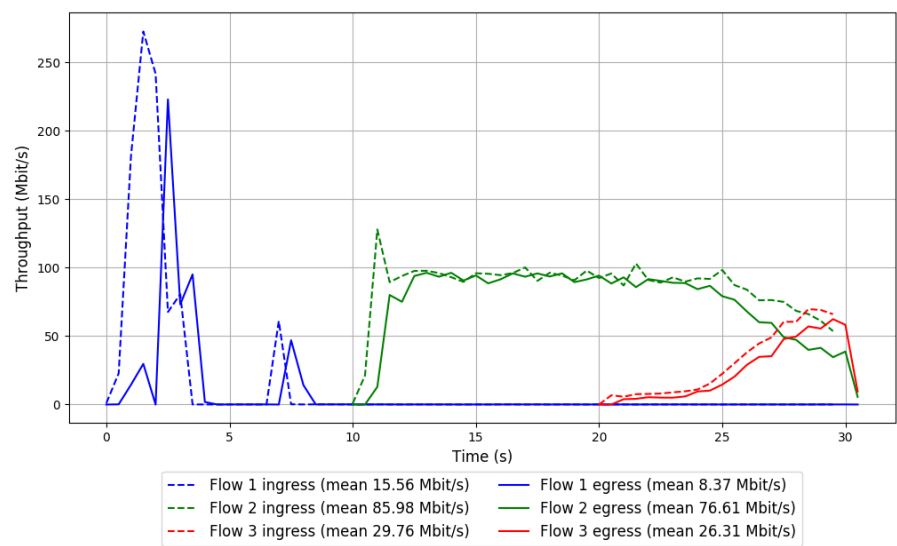


Run 4: Statistics of FillP

Start at: 2018-12-02 06:12:40
End at: 2018-12-02 06:13:10
Local clock offset: -0.553 ms
Remote clock offset: 7.589 ms

Below is generated by plot.py at 2018-12-02 06:47:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.07 Mbit/s
95th percentile per-packet one-way delay: 116.225 ms
Loss rate: 17.52%
-- Flow 1:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 915.465 ms
Loss rate: 46.17%
-- Flow 2:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 115.892 ms
Loss rate: 10.79%
-- Flow 3:
Average throughput: 26.31 Mbit/s
95th percentile per-packet one-way delay: 113.653 ms
Loss rate: 11.38%

Run 4: Report of FillP — Data Link

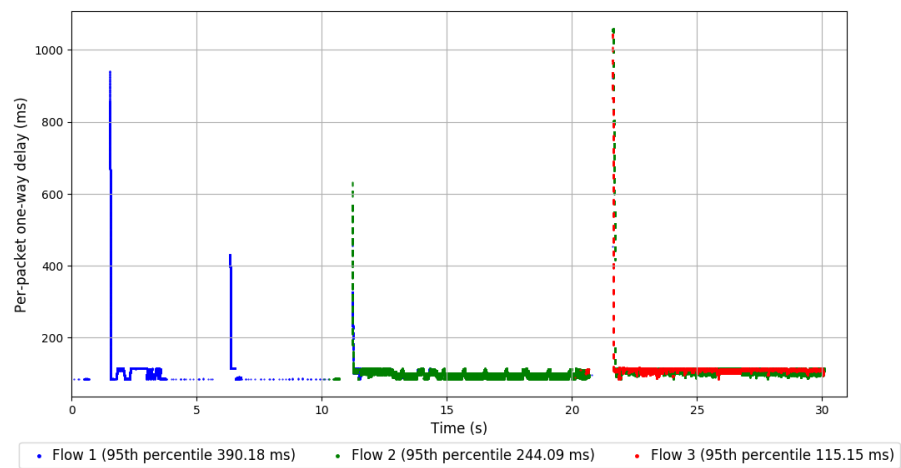
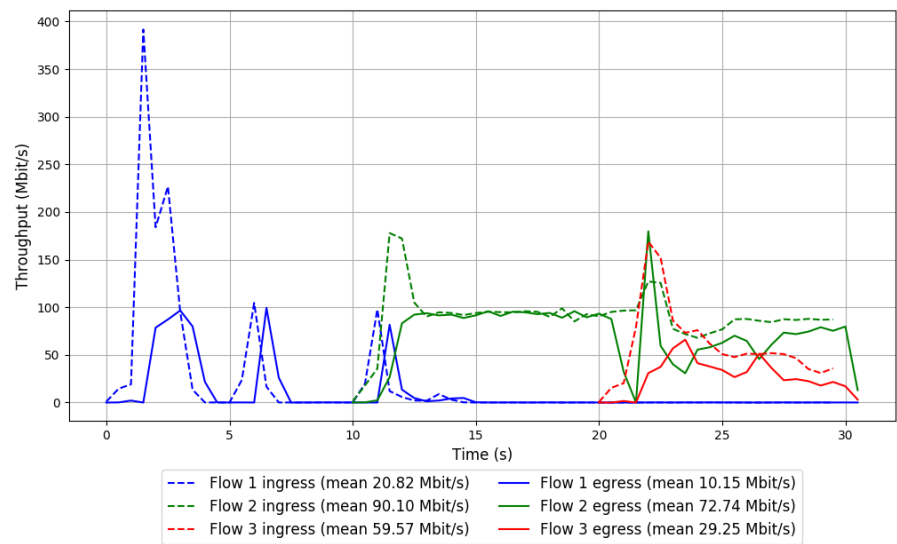


Run 5: Statistics of FillP

Start at: 2018-12-02 06:37:09
End at: 2018-12-02 06:37:39
Local clock offset: -6.447 ms
Remote clock offset: -8.321 ms

Below is generated by plot.py at 2018-12-02 06:48:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 328.822 ms
Loss rate: 32.01%
-- Flow 1:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 390.180 ms
Loss rate: 51.21%
-- Flow 2:
Average throughput: 72.74 Mbit/s
95th percentile per-packet one-way delay: 244.090 ms
Loss rate: 19.16%
-- Flow 3:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 115.152 ms
Loss rate: 50.85%

Run 5: Report of FillP — Data Link

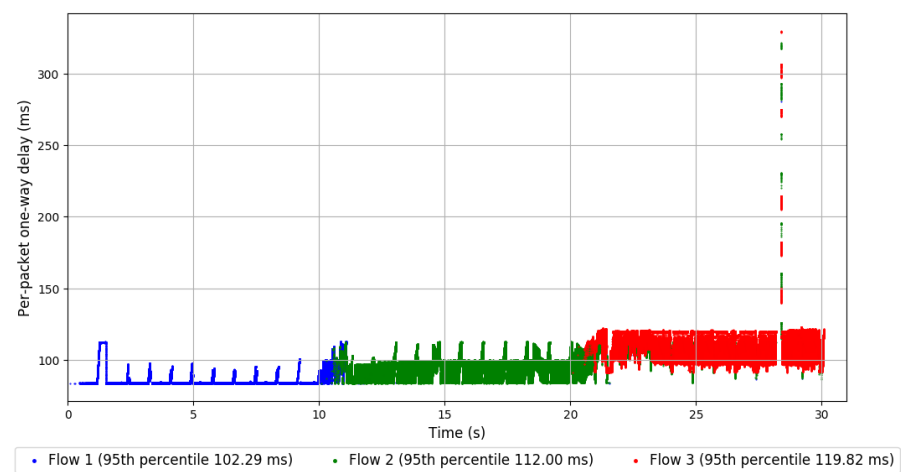
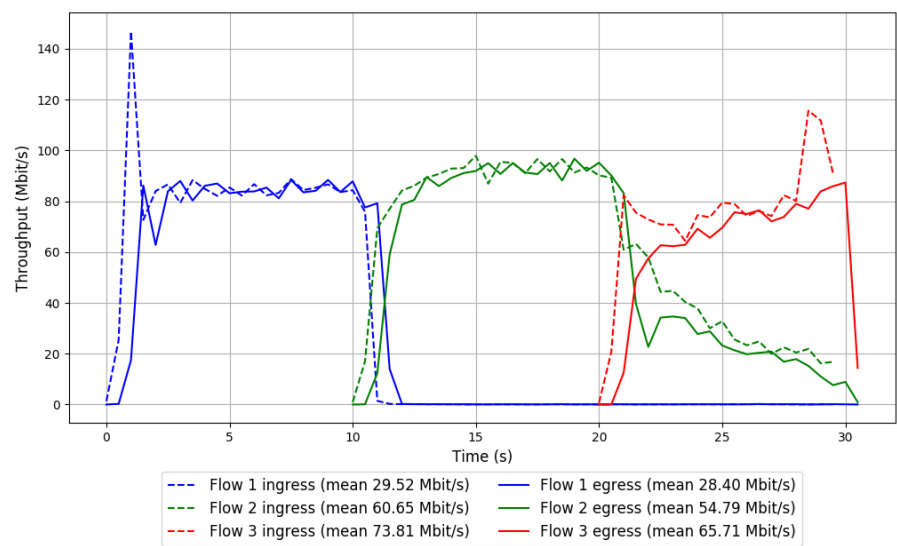


Run 1: Statistics of FillP-Sheep

Start at: 2018-12-02 04:51:08
End at: 2018-12-02 04:51:38
Local clock offset: -6.046 ms
Remote clock offset: 26.035 ms

Below is generated by plot.py at 2018-12-02 06:48:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 118.296 ms
Loss rate: 8.06%
-- Flow 1:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 102.293 ms
Loss rate: 3.73%
-- Flow 2:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 112.005 ms
Loss rate: 9.60%
-- Flow 3:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 119.822 ms
Loss rate: 10.73%

Run 1: Report of FillP-Sheep — Data Link

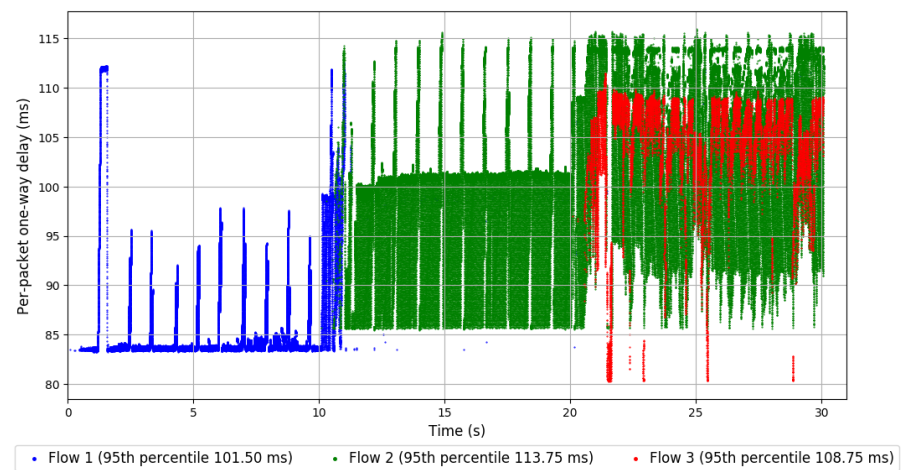
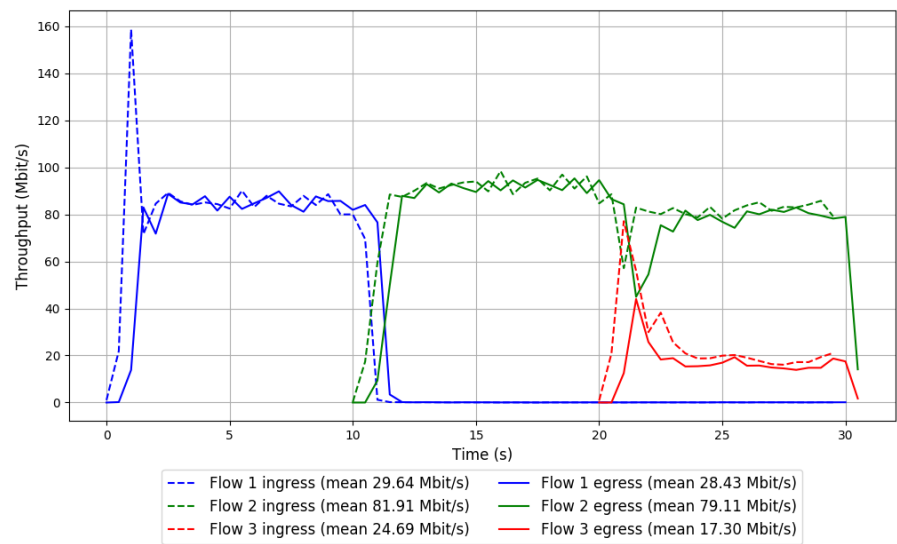


Run 2: Statistics of FillP-Sheep

Start at: 2018-12-02 05:15:22
End at: 2018-12-02 05:15:52
Local clock offset: -1.155 ms
Remote clock offset: 15.073 ms

Below is generated by plot.py at 2018-12-02 06:48:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 112.828 ms
Loss rate: 5.89%
-- Flow 1:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 101.500 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 79.11 Mbit/s
95th percentile per-packet one-way delay: 113.754 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 17.30 Mbit/s
95th percentile per-packet one-way delay: 108.747 ms
Loss rate: 29.89%

Run 2: Report of FillP-Sheep — Data Link

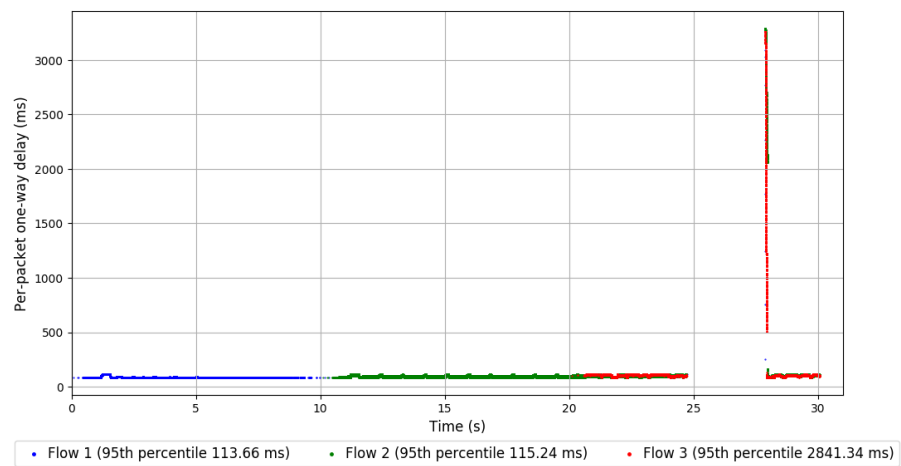
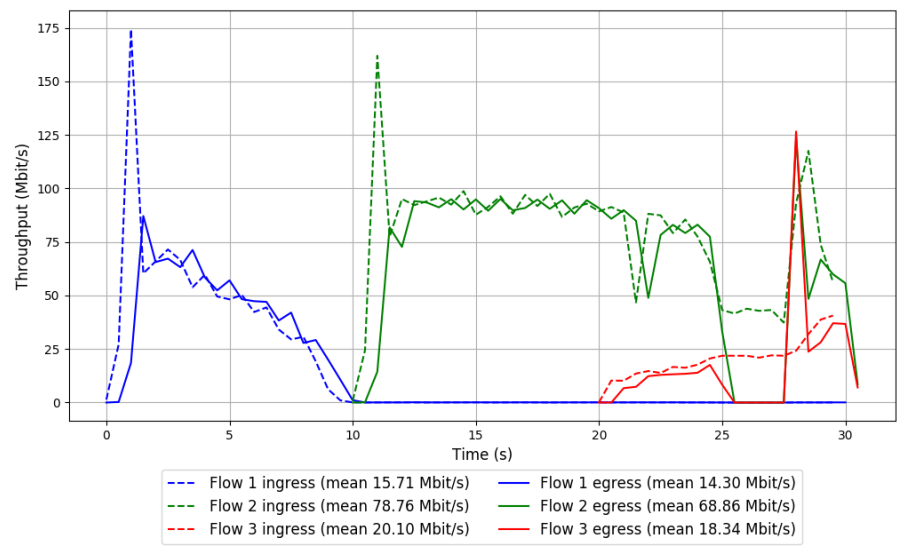


Run 3: Statistics of FillP-Sheep

Start at: 2018-12-02 05:39:32
End at: 2018-12-02 05:40:02
Local clock offset: -5.271 ms
Remote clock offset: 19.928 ms

Below is generated by plot.py at 2018-12-02 06:48:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 1427.976 ms
Loss rate: 11.39%
-- Flow 1:
Average throughput: 14.30 Mbit/s
95th percentile per-packet one-way delay: 113.662 ms
Loss rate: 8.87%
-- Flow 2:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 115.238 ms
Loss rate: 12.49%
-- Flow 3:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 2841.342 ms
Loss rate: 8.69%

Run 3: Report of FillP-Sheep — Data Link

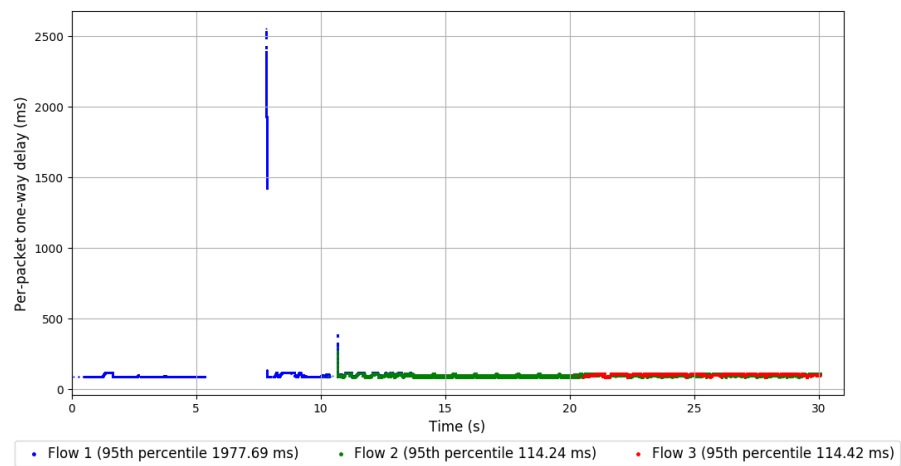
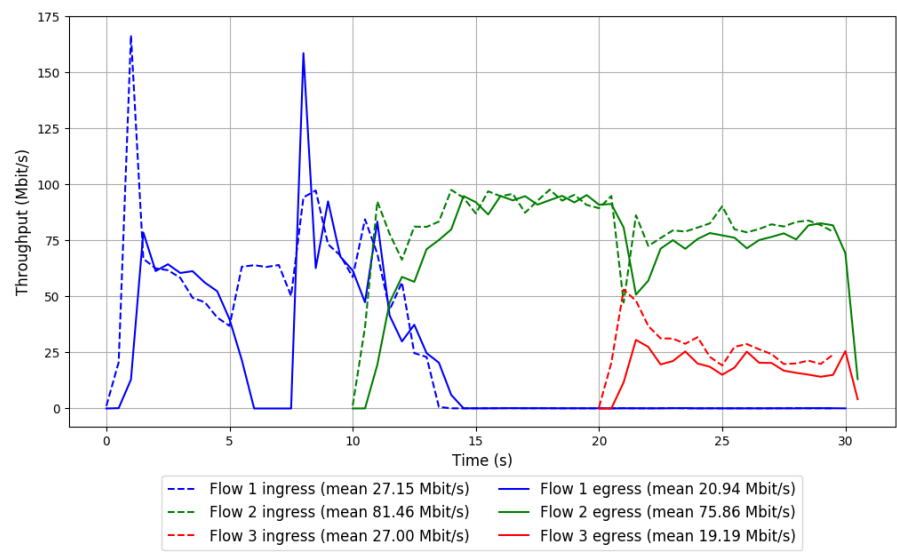


Run 4: Statistics of FillP-Sheep

Start at: 2018-12-02 06:03:37
End at: 2018-12-02 06:04:07
Local clock offset: -1.554 ms
Remote clock offset: 19.018 ms

Below is generated by plot.py at 2018-12-02 06:48:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.66 Mbit/s
95th percentile per-packet one-way delay: 118.180 ms
Loss rate: 13.75%
-- Flow 1:
Average throughput: 20.94 Mbit/s
95th percentile per-packet one-way delay: 1977.688 ms
Loss rate: 22.79%
-- Flow 2:
Average throughput: 75.86 Mbit/s
95th percentile per-packet one-way delay: 114.238 ms
Loss rate: 6.75%
-- Flow 3:
Average throughput: 19.19 Mbit/s
95th percentile per-packet one-way delay: 114.417 ms
Loss rate: 28.98%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-12-02 06:28:14

End at: 2018-12-02 06:28:44

Local clock offset: -4.135 ms

Remote clock offset: -2.67 ms

Below is generated by plot.py at 2018-12-02 06:48:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 124.278 ms

Loss rate: 50.79%

-- Flow 1:

Average throughput: 10.36 Mbit/s

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

Loss rate: 43.05%

-- Flow 2:

Average throughput: 28.00 Mbit/s

95th percentile per-packet one-way delay: 117.723 ms

Loss rate: 55.86%

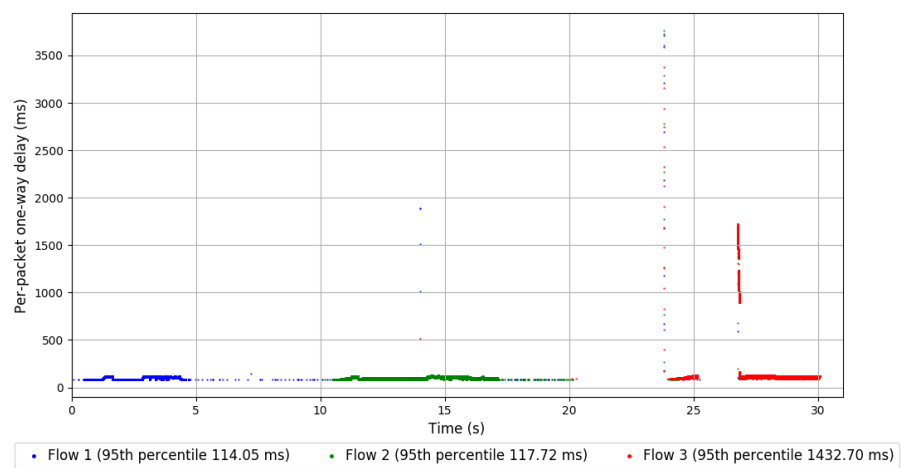
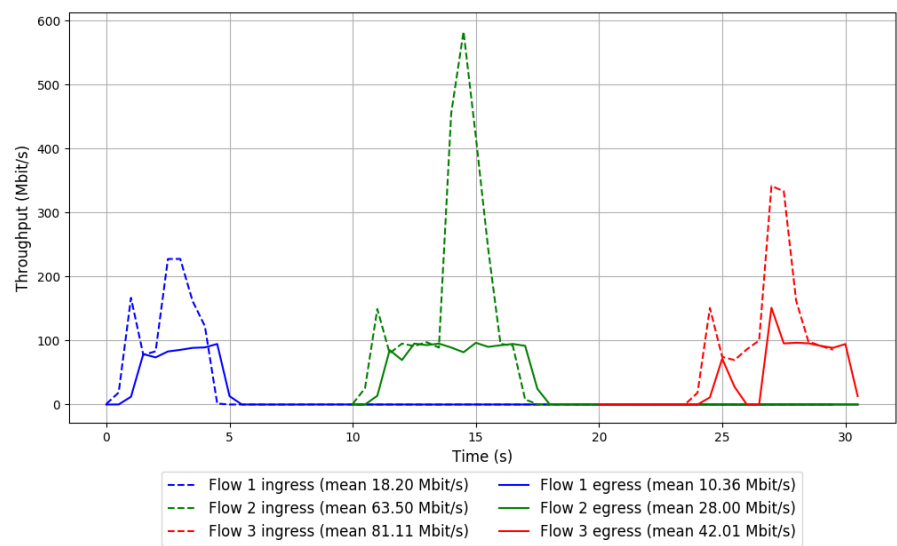
-- Flow 3:

Average throughput: 42.01 Mbit/s

95th percentile per-packet one-way delay: 1432.705 ms

Loss rate: 48.09%

Run 5: Report of FillP-Sheep — Data Link

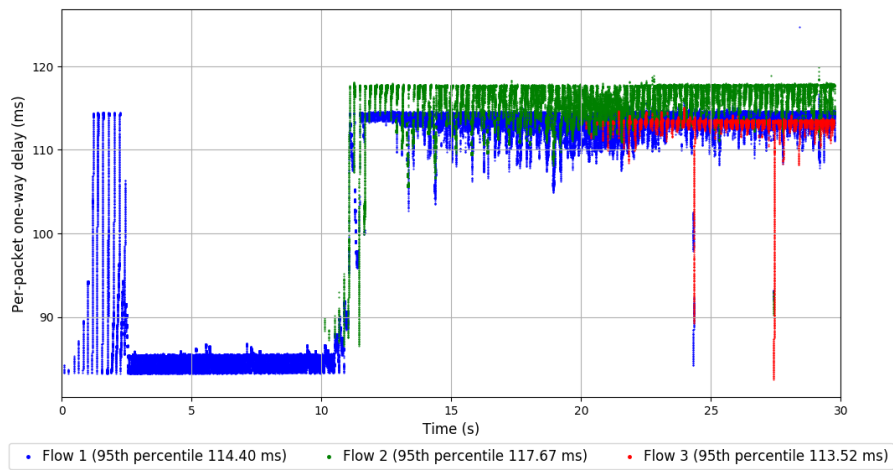
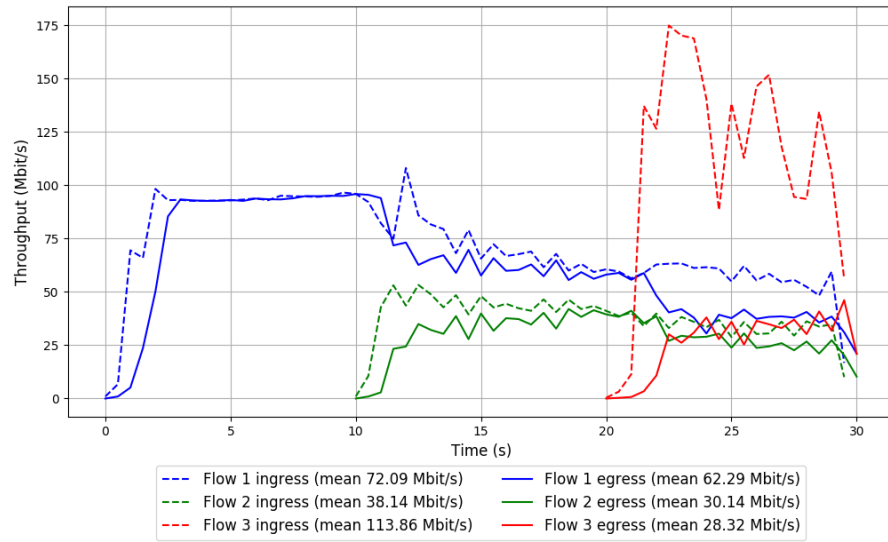


Run 1: Statistics of Indigo

Start at: 2018-12-02 04:48:30
End at: 2018-12-02 04:49:00
Local clock offset: -6.776 ms
Remote clock offset: 23.131 ms

Below is generated by plot.py at 2018-12-02 06:49:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 117.366 ms
Loss rate: 31.75%
-- Flow 1:
Average throughput: 62.29 Mbit/s
95th percentile per-packet one-way delay: 114.398 ms
Loss rate: 13.51%
-- Flow 2:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 117.674 ms
Loss rate: 20.88%
-- Flow 3:
Average throughput: 28.32 Mbit/s
95th percentile per-packet one-way delay: 113.516 ms
Loss rate: 75.12%

Run 1: Report of Indigo — Data Link

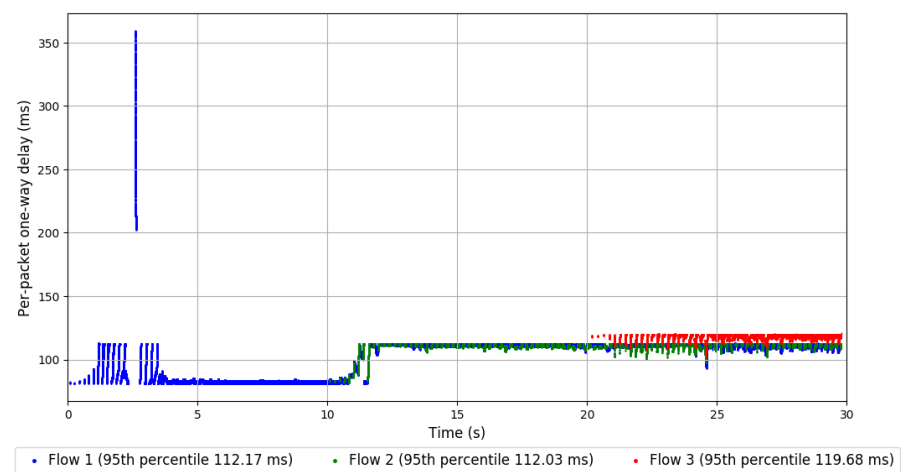
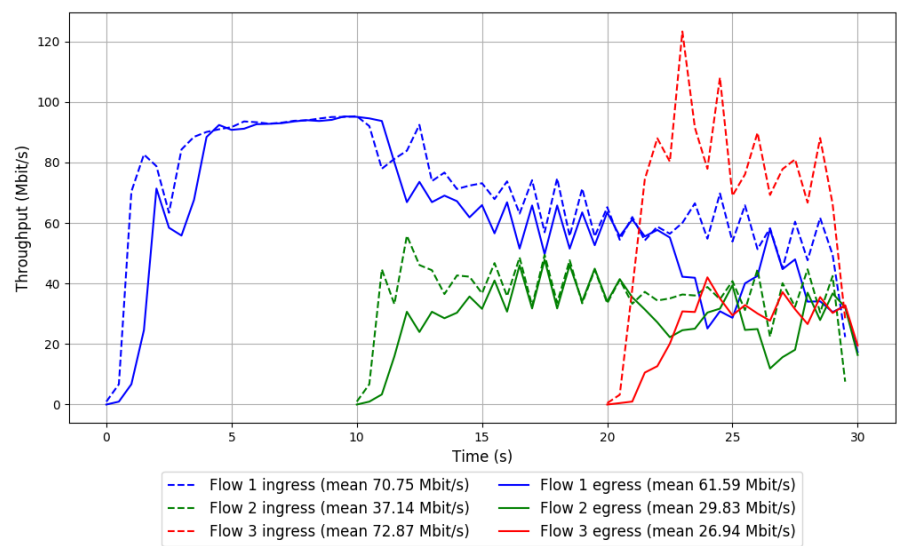


Run 2: Statistics of Indigo

Start at: 2018-12-02 05:12:44
End at: 2018-12-02 05:13:14
Local clock offset: -1.391 ms
Remote clock offset: 16.492 ms

Below is generated by plot.py at 2018-12-02 06:49:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 119.388 ms
Loss rate: 24.19%
-- Flow 1:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 112.171 ms
Loss rate: 12.86%
-- Flow 2:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 112.030 ms
Loss rate: 19.58%
-- Flow 3:
Average throughput: 26.94 Mbit/s
95th percentile per-packet one-way delay: 119.678 ms
Loss rate: 63.03%

Run 2: Report of Indigo — Data Link

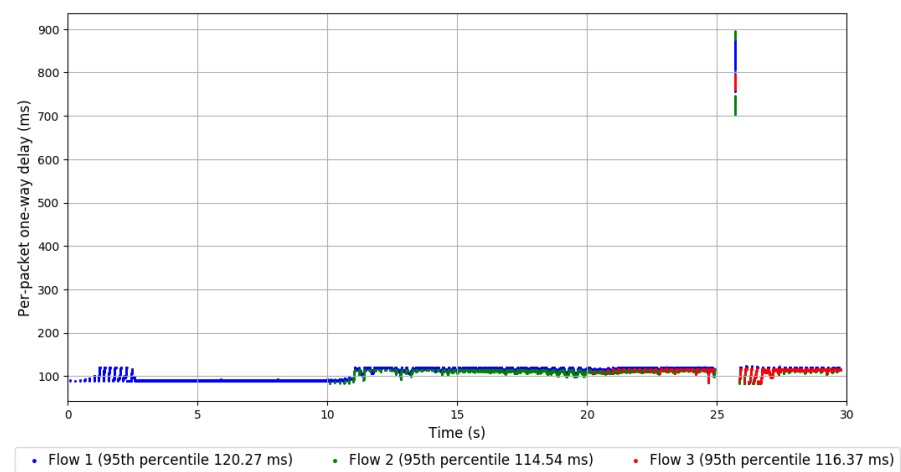
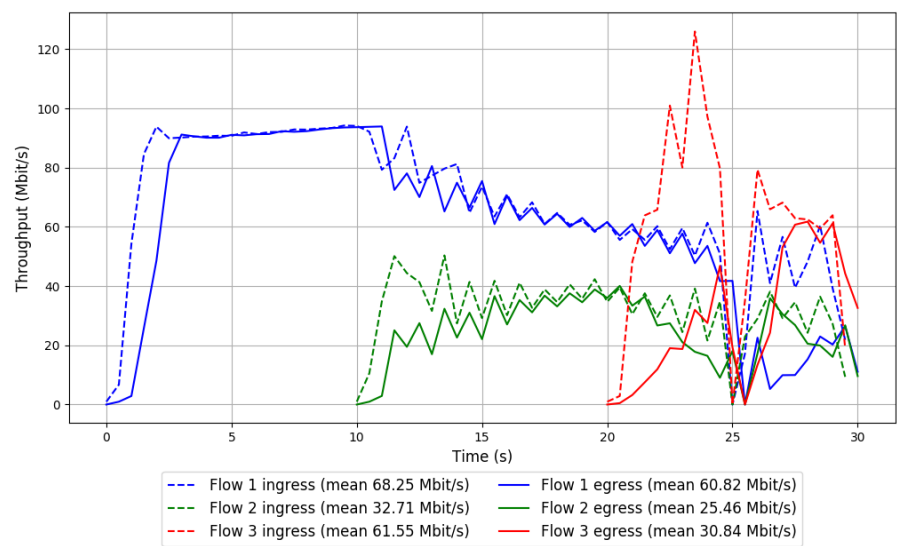


Run 3: Statistics of Indigo

Start at: 2018-12-02 05:36:55
End at: 2018-12-02 05:37:25
Local clock offset: -5.836 ms
Remote clock offset: 17.547 ms

Below is generated by plot.py at 2018-12-02 06:49:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 120.156 ms
Loss rate: 20.11%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 120.272 ms
Loss rate: 10.79%
-- Flow 2:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 114.541 ms
Loss rate: 22.05%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 116.368 ms
Loss rate: 49.86%

Run 3: Report of Indigo — Data Link

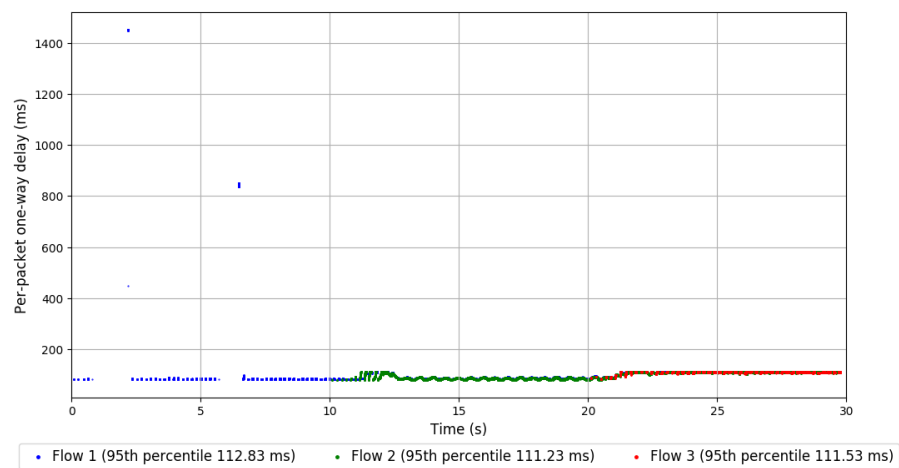
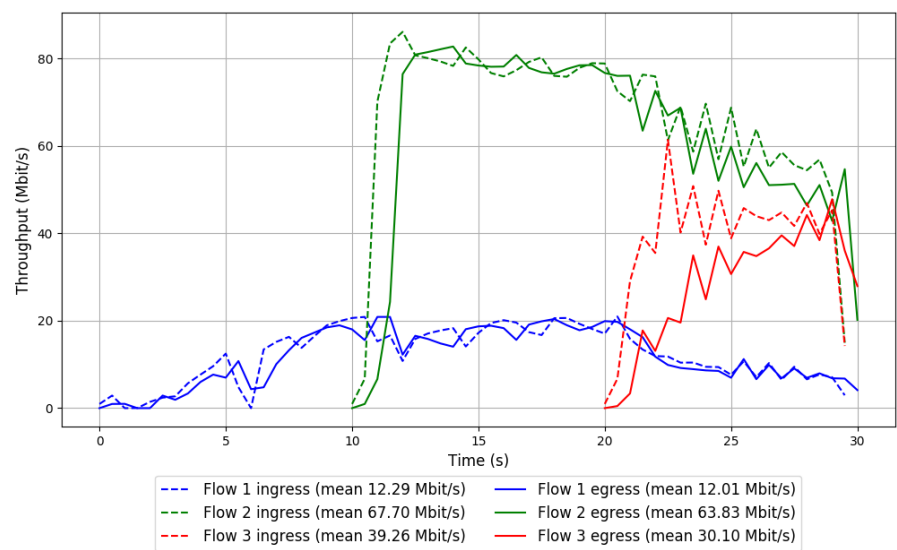


Run 4: Statistics of Indigo

Start at: 2018-12-02 06:00:55
End at: 2018-12-02 06:01:25
Local clock offset: -1.29 ms
Remote clock offset: 13.923 ms

```
# Below is generated by plot.py at 2018-12-02 06:49:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.92 Mbit/s
95th percentile per-packet one-way delay: 111.451 ms
Loss rate: 8.19%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 112.827 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 63.83 Mbit/s
95th percentile per-packet one-way delay: 111.234 ms
Loss rate: 5.57%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 111.534 ms
Loss rate: 23.15%
```

Run 4: Report of Indigo — Data Link

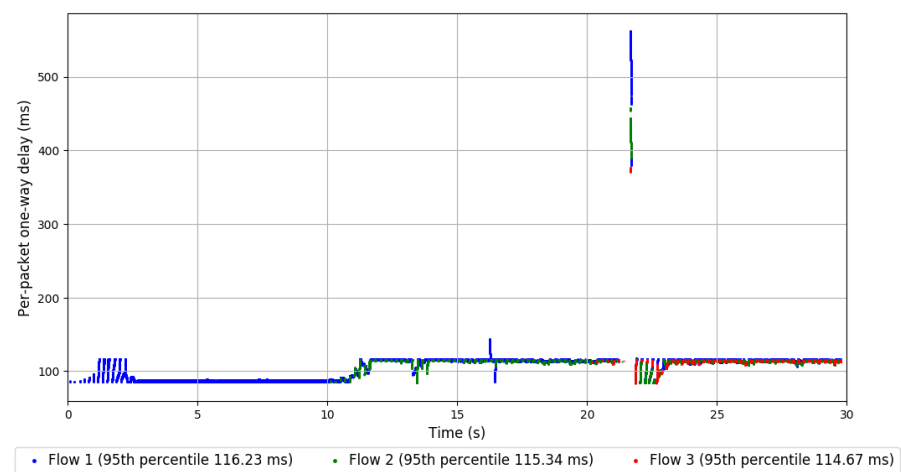
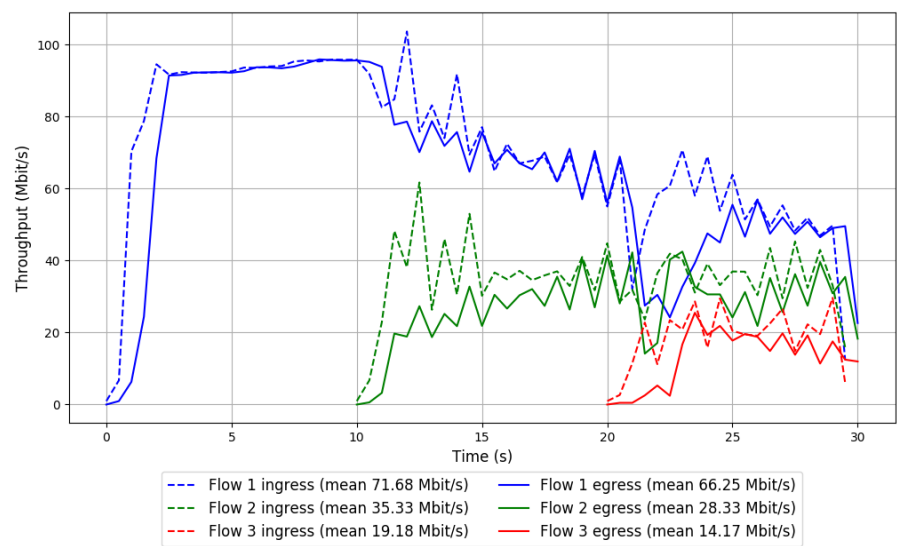


Run 5: Statistics of Indigo

Start at: 2018-12-02 06:25:19
End at: 2018-12-02 06:25:49
Local clock offset: -3.924 ms
Remote clock offset: -3.368 ms

Below is generated by plot.py at 2018-12-02 06:49:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 116.208 ms
Loss rate: 11.43%
-- Flow 1:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 116.230 ms
Loss rate: 7.48%
-- Flow 2:
Average throughput: 28.33 Mbit/s
95th percentile per-packet one-way delay: 115.345 ms
Loss rate: 19.67%
-- Flow 3:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 114.673 ms
Loss rate: 26.11%

Run 5: Report of Indigo — Data Link

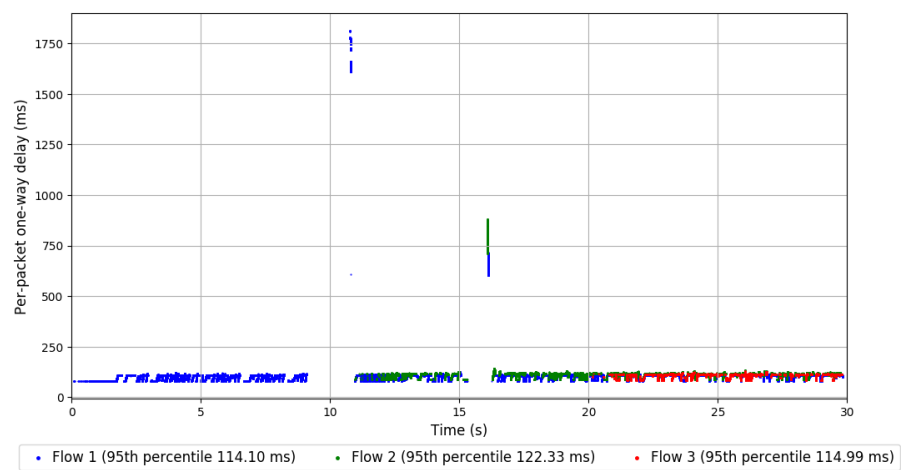
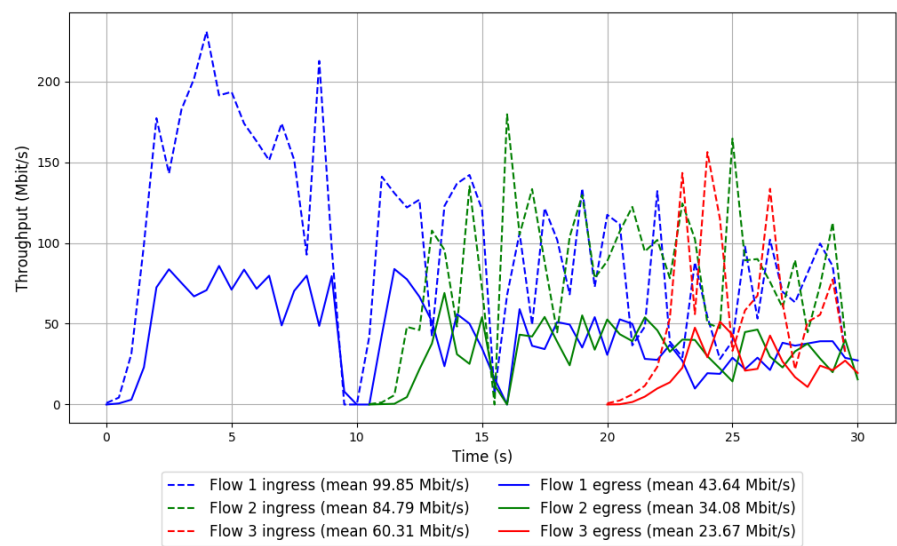


Run 1: Statistics of Indigo-96d2da3

Start at: 2018-12-02 04:54:59
End at: 2018-12-02 04:55:29
Local clock offset: -4.411 ms
Remote clock offset: 22.628 ms

Below is generated by plot.py at 2018-12-02 06:49:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.85 Mbit/s
95th percentile per-packet one-way delay: 119.216 ms
Loss rate: 57.84%
-- Flow 1:
Average throughput: 43.64 Mbit/s
95th percentile per-packet one-way delay: 114.097 ms
Loss rate: 56.26%
-- Flow 2:
Average throughput: 34.08 Mbit/s
95th percentile per-packet one-way delay: 122.334 ms
Loss rate: 59.74%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 114.986 ms
Loss rate: 60.69%

Run 1: Report of Indigo-96d2da3 — Data Link



Run 2: Statistics of Indigo-96d2da3

Start at: 2018-12-02 05:19:12

End at: 2018-12-02 05:19:42

Local clock offset: -0.905 ms

Remote clock offset: 15.81 ms

Below is generated by plot.py at 2018-12-02 06:49:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.99 Mbit/s

95th percentile per-packet one-way delay: 113.720 ms

Loss rate: 57.06%

-- Flow 1:

Average throughput: 44.32 Mbit/s

95th percentile per-packet one-way delay: 112.905 ms

Loss rate: 56.61%

-- Flow 2:

Average throughput: 29.70 Mbit/s

95th percentile per-packet one-way delay: 114.965 ms

Loss rate: 58.38%

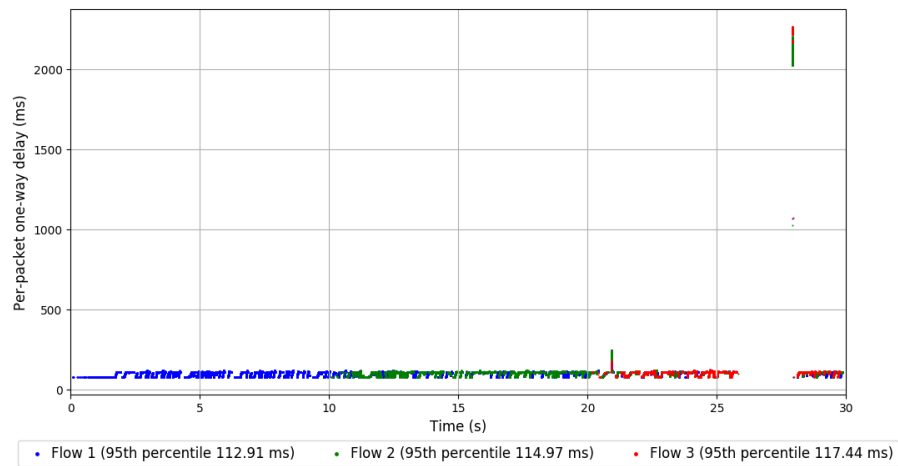
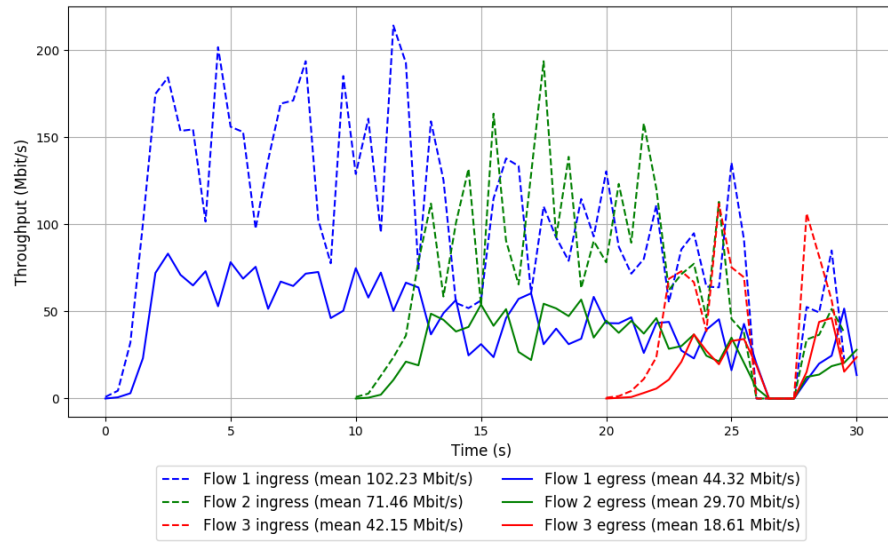
-- Flow 3:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 117.441 ms

Loss rate: 55.84%

Run 2: Report of Indigo-96d2da3 — Data Link

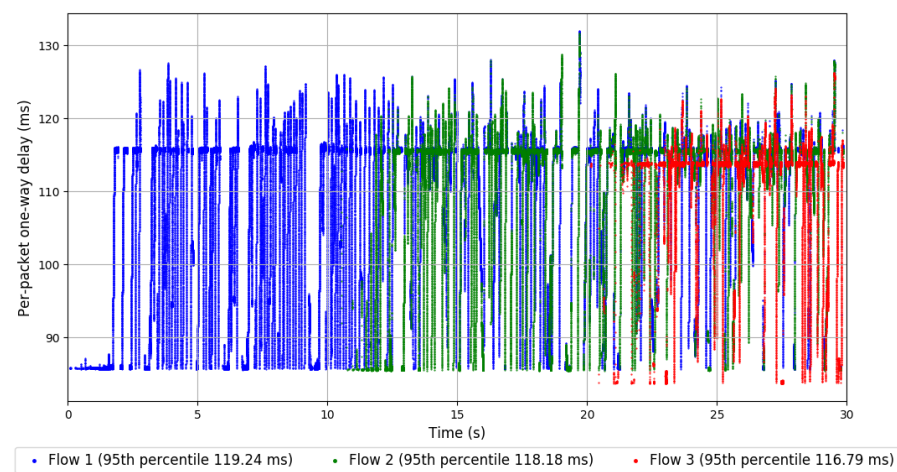
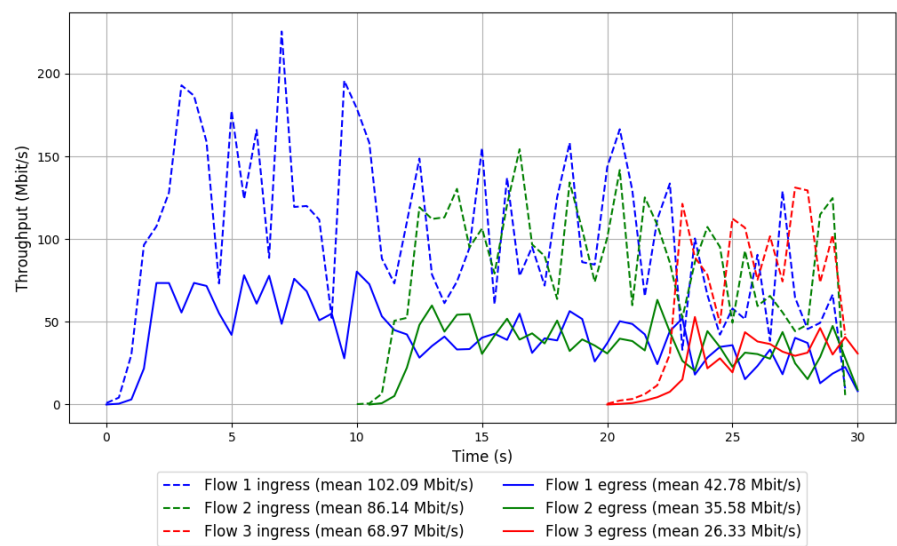


Run 3: Statistics of Indigo-96d2da3

Start at: 2018-12-02 05:43:20
End at: 2018-12-02 05:43:50
Local clock offset: -6.238 ms
Remote clock offset: 17.541 ms

Below is generated by plot.py at 2018-12-02 06:50:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.47 Mbit/s
95th percentile per-packet one-way delay: 118.628 ms
Loss rate: 58.73%
-- Flow 1:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 119.238 ms
Loss rate: 58.06%
-- Flow 2:
Average throughput: 35.58 Mbit/s
95th percentile per-packet one-way delay: 118.182 ms
Loss rate: 58.70%
-- Flow 3:
Average throughput: 26.33 Mbit/s
95th percentile per-packet one-way delay: 116.786 ms
Loss rate: 61.82%

Run 3: Report of Indigo-96d2da3 — Data Link

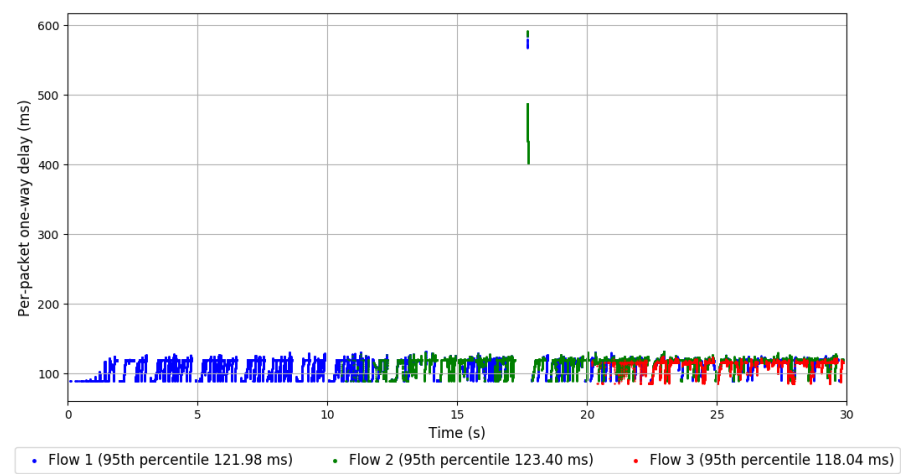
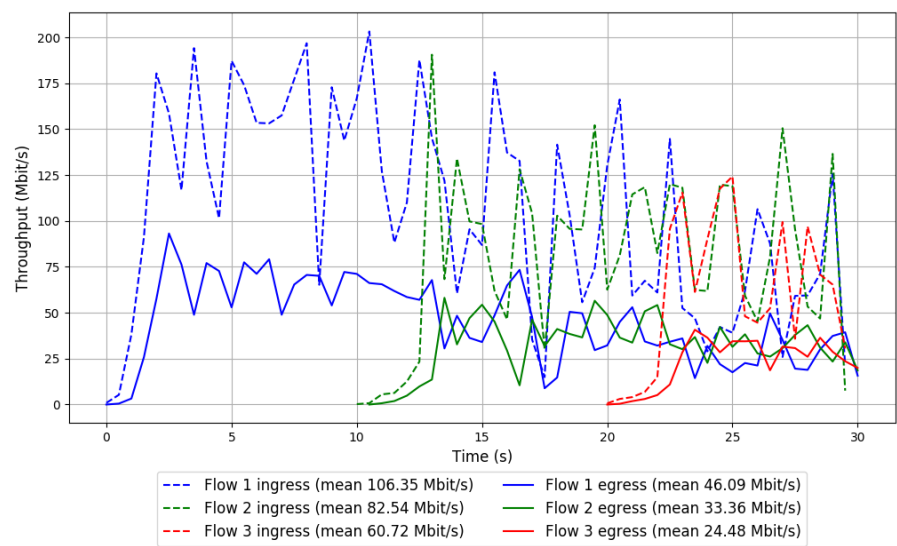


Run 4: Statistics of Indigo-96d2da3

Start at: 2018-12-02 06:07:30
End at: 2018-12-02 06:08:00
Local clock offset: -1.049 ms
Remote clock offset: 15.171 ms

Below is generated by plot.py at 2018-12-02 06:50:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 122.102 ms
Loss rate: 57.84%
-- Flow 1:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 121.978 ms
Loss rate: 56.62%
-- Flow 2:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 123.399 ms
Loss rate: 59.58%
-- Flow 3:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 118.044 ms
Loss rate: 59.69%

Run 4: Report of Indigo-96d2da3 — Data Link

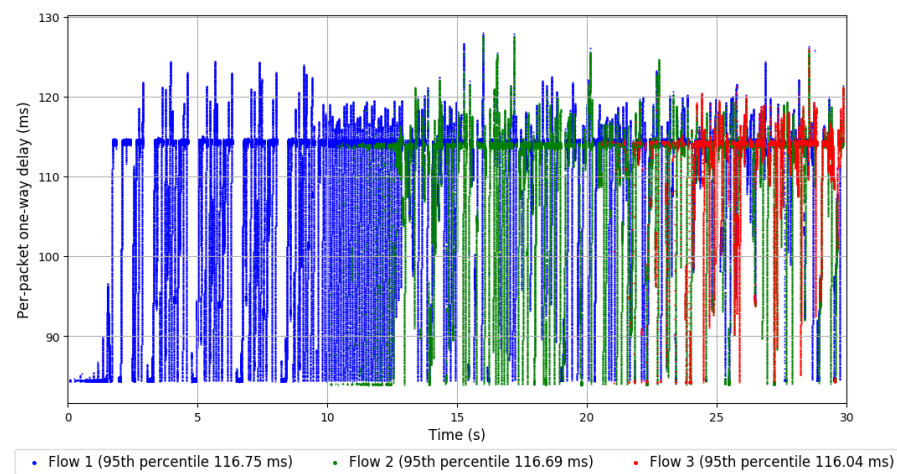
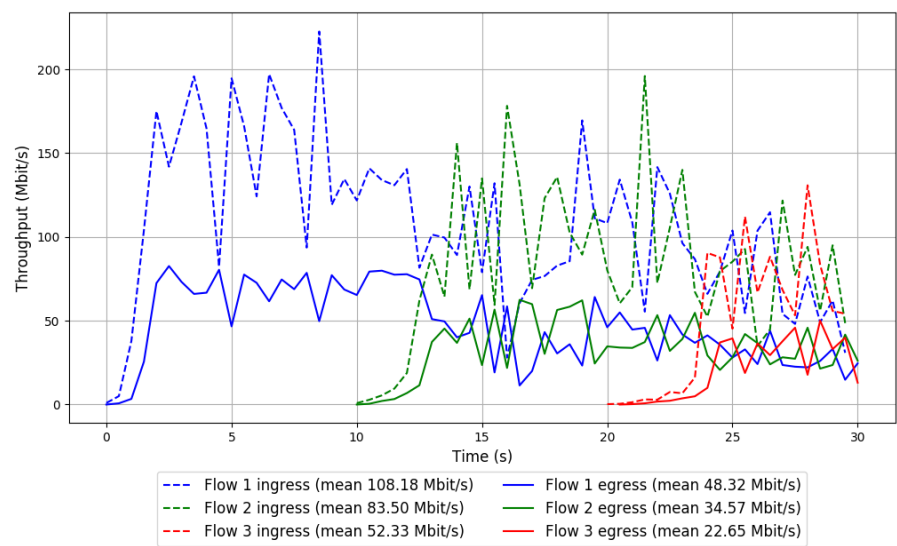


Run 5: Statistics of Indigo-96d2da3

Start at: 2018-12-02 06:32:03
End at: 2018-12-02 06:32:33
Local clock offset: -5.669 ms
Remote clock offset: -6.195 ms

Below is generated by plot.py at 2018-12-02 06:50:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 116.655 ms
Loss rate: 56.42%
-- Flow 1:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 116.747 ms
Loss rate: 55.28%
-- Flow 2:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 116.685 ms
Loss rate: 58.55%
-- Flow 3:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 116.042 ms
Loss rate: 56.68%

Run 5: Report of Indigo-96d2da3 — Data Link

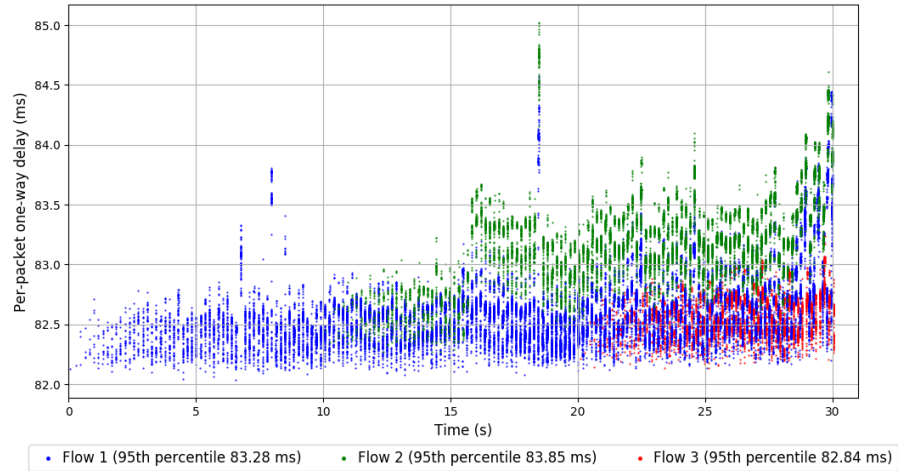
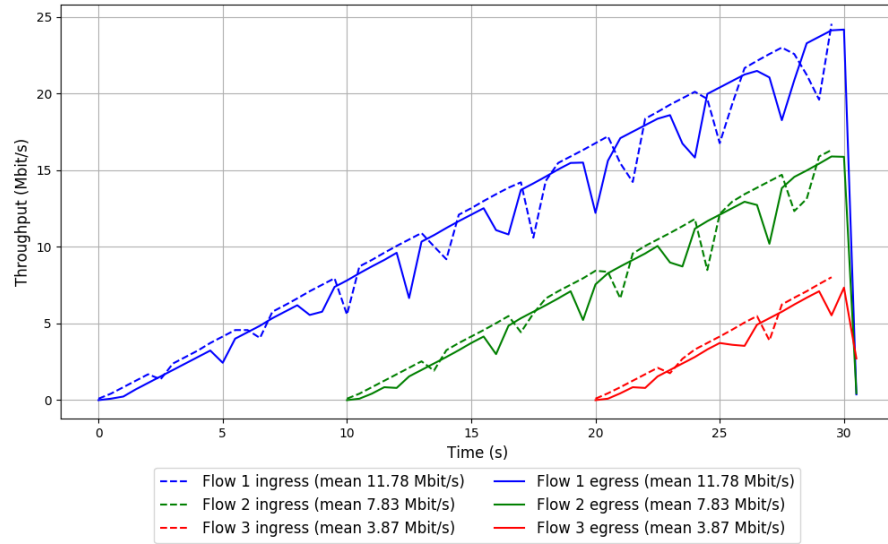


```
Run 1: Statistics of LEDBAT

Start at: 2018-12-02 04:53:45
End at: 2018-12-02 04:54:15
Local clock offset: -4.196 ms
Remote clock offset: 23.684 ms

# Below is generated by plot.py at 2018-12-02 06:50:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 83.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 83.285 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 83.847 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 82.839 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

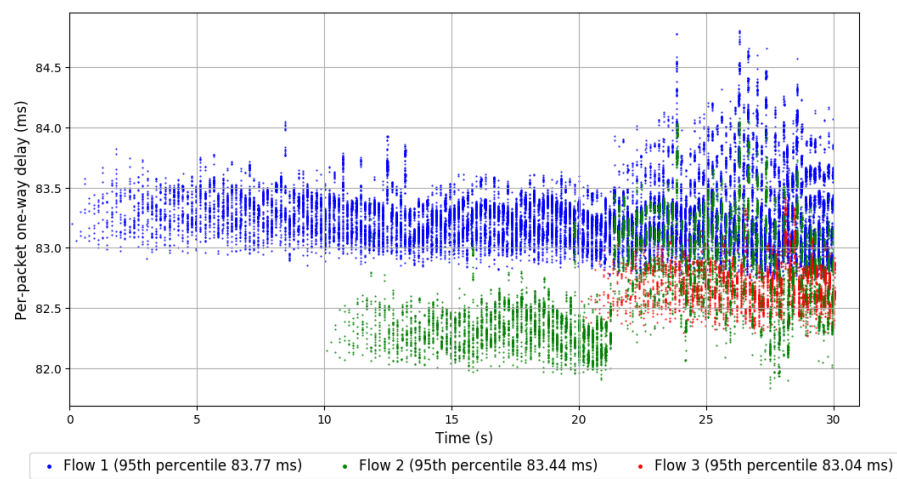
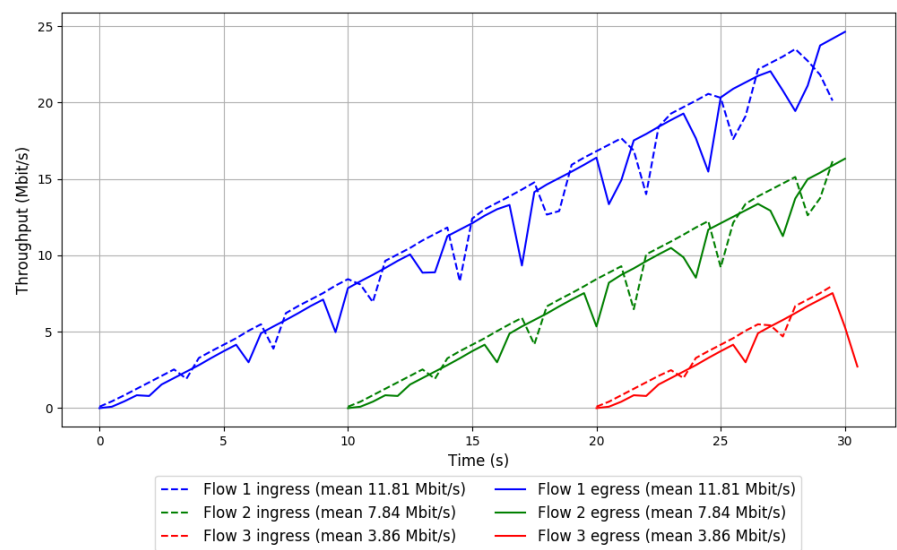


Run 2: Statistics of LEDBAT

Start at: 2018-12-02 05:17:58
End at: 2018-12-02 05:18:28
Local clock offset: -1.007 ms
Remote clock offset: 15.984 ms

Below is generated by plot.py at 2018-12-02 06:50:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 83.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 83.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 83.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 83.044 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

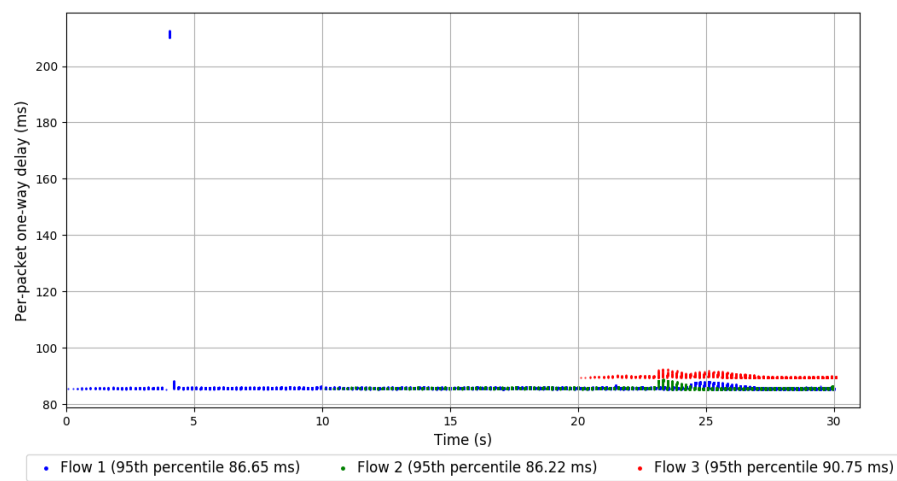
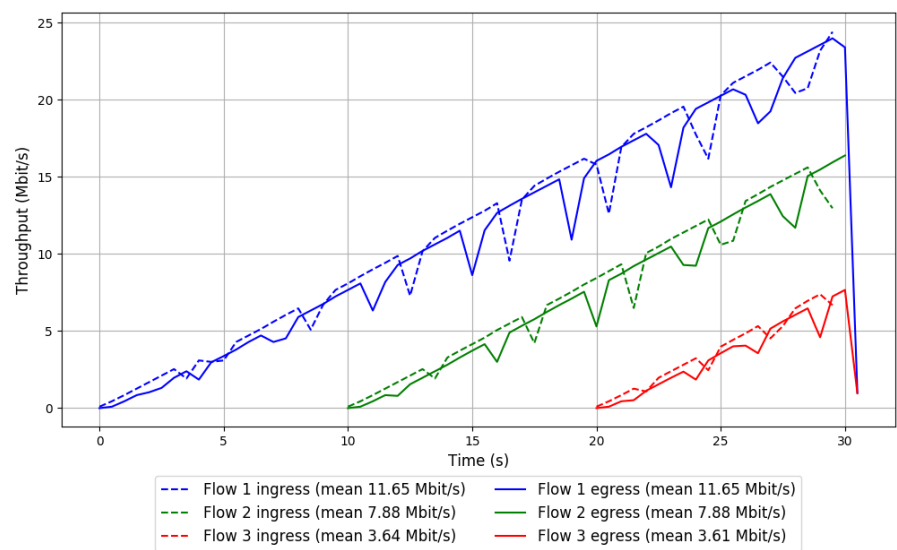


Run 3: Statistics of LEDBAT

Start at: 2018-12-02 05:42:06
End at: 2018-12-02 05:42:36
Local clock offset: -6.177 ms
Remote clock offset: 17.35 ms

```
# Below is generated by plot.py at 2018-12-02 06:50:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.04 Mbit/s
95th percentile per-packet one-way delay: 89.421 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 86.652 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 86.219 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 90.753 ms
Loss rate: 0.78%
```

Run 3: Report of LEDBAT — Data Link

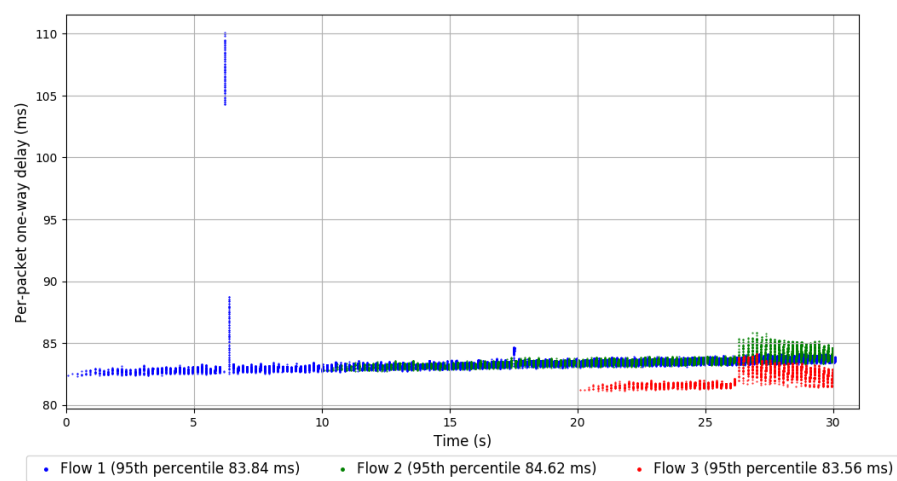
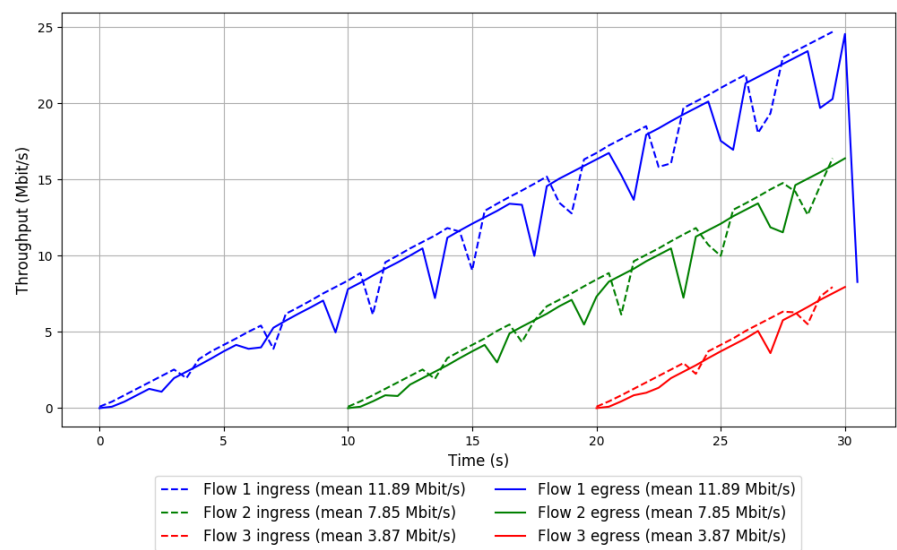


Run 4: Statistics of LEDBAT

Start at: 2018-12-02 06:06:16
End at: 2018-12-02 06:06:46
Local clock offset: -1.206 ms
Remote clock offset: 12.528 ms

Below is generated by plot.py at 2018-12-02 06:50:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 84.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 83.841 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 84.621 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 83.560 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

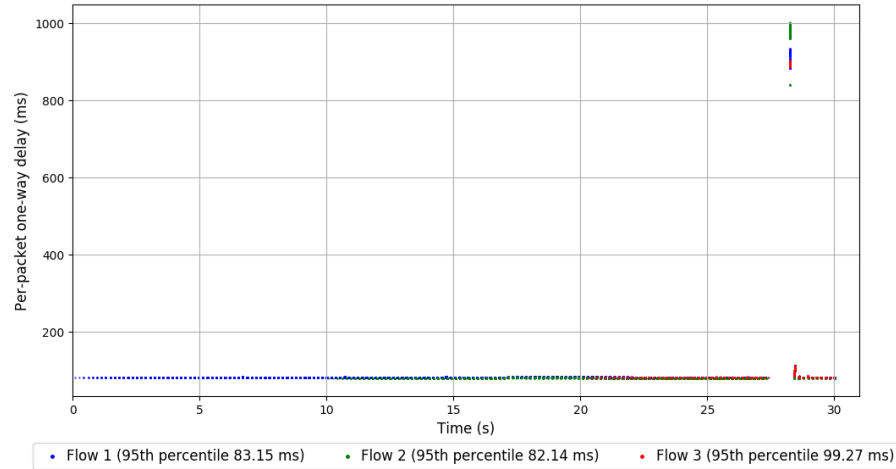
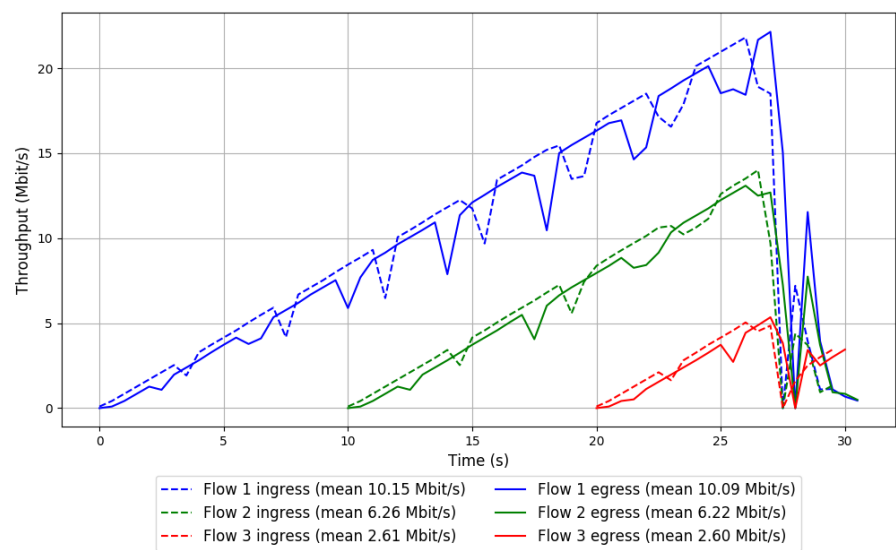


Run 5: Statistics of LEDBAT

Start at: 2018-12-02 06:30:49
End at: 2018-12-02 06:31:19
Local clock offset: -5.496 ms
Remote clock offset: -9.733 ms

Below is generated by plot.py at 2018-12-02 06:50:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.10 Mbit/s
95th percentile per-packet one-way delay: 83.031 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 83.146 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 82.143 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 99.272 ms
Loss rate: 0.23%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Indigo-Muses

Start at: 2018-12-02 04:44:40

End at: 2018-12-02 04:45:10

Local clock offset: -6.953 ms

Remote clock offset: 27.98 ms

Below is generated by plot.py at 2018-12-02 06:50:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.31 Mbit/s

95th percentile per-packet one-way delay: 116.569 ms

Loss rate: 3.03%

-- Flow 1:

Average throughput: 69.09 Mbit/s

95th percentile per-packet one-way delay: 116.544 ms

Loss rate: 3.40%

-- Flow 2:

Average throughput: 21.08 Mbit/s

95th percentile per-packet one-way delay: 113.745 ms

Loss rate: 1.36%

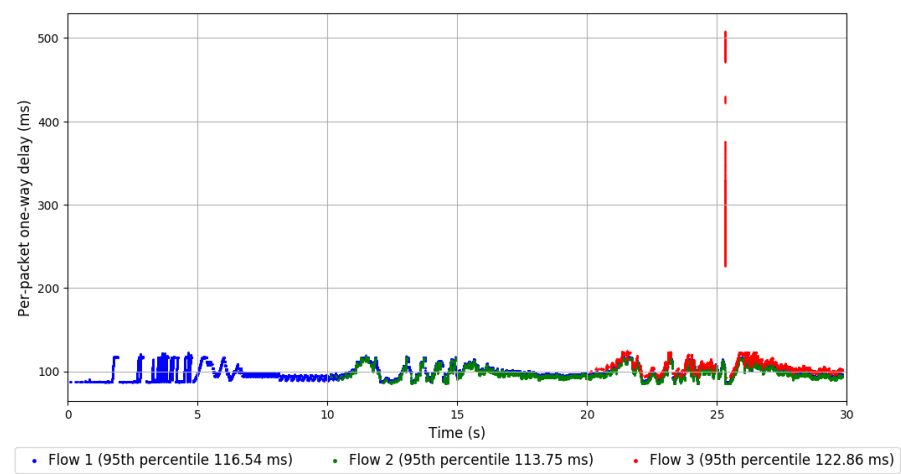
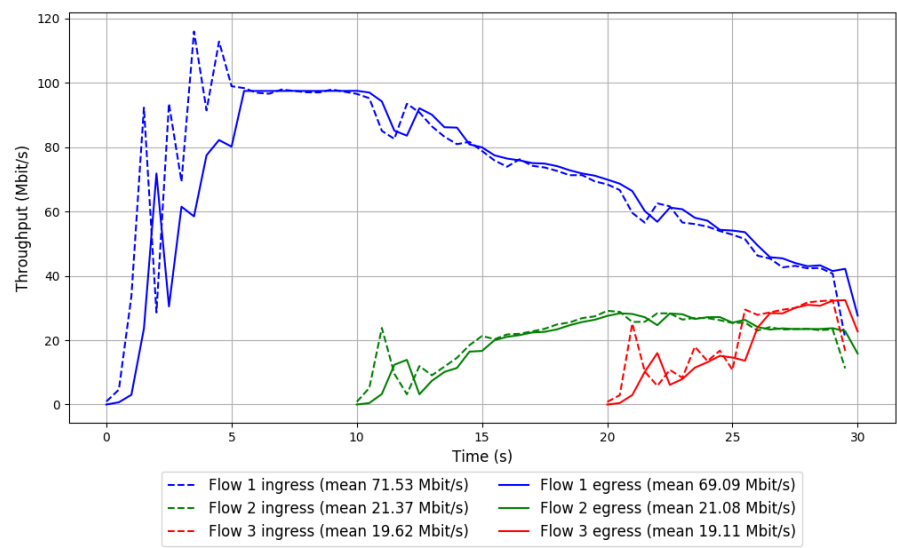
-- Flow 3:

Average throughput: 19.11 Mbit/s

95th percentile per-packet one-way delay: 122.864 ms

Loss rate: 2.67%

Run 1: Report of Indigo-Muses — Data Link

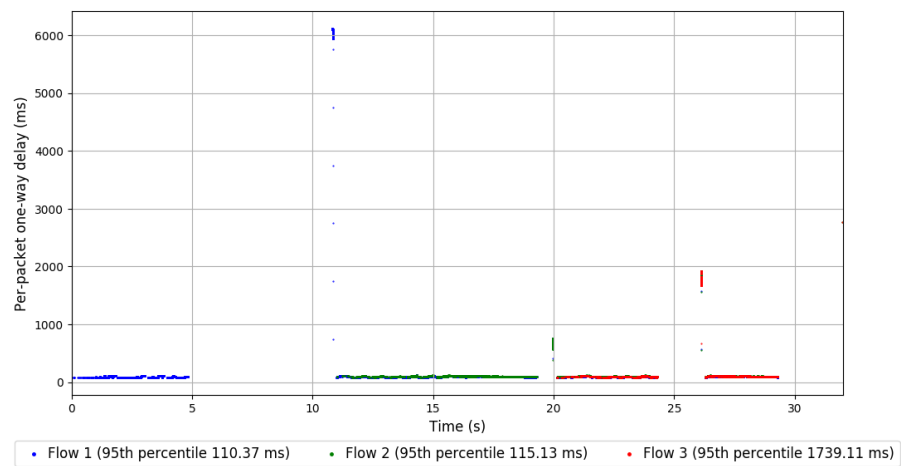
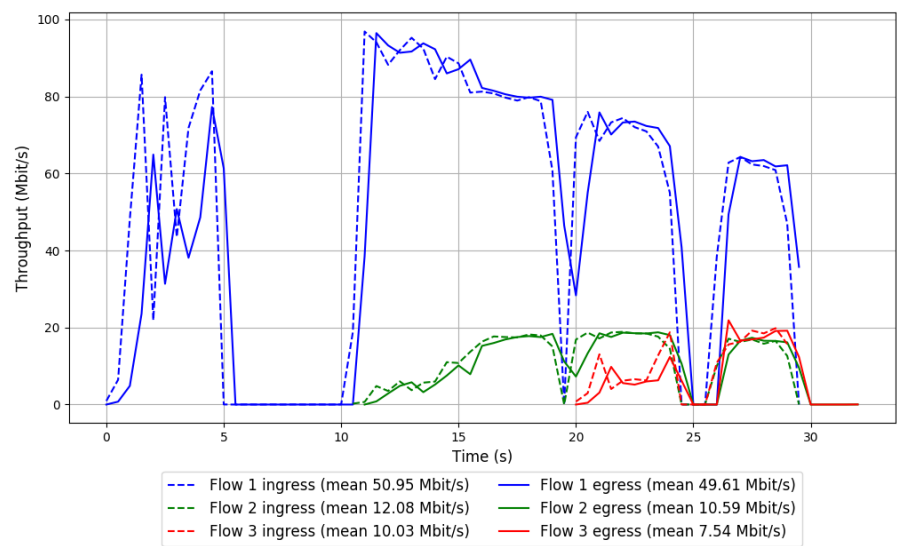


Run 2: Statistics of Indigo-Muses

Start at: 2018-12-02 05:08:48
End at: 2018-12-02 05:09:18
Local clock offset: -1.786 ms
Remote clock offset: 16.269 ms

Below is generated by plot.py at 2018-12-02 06:50:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 110.672 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 49.61 Mbit/s
95th percentile per-packet one-way delay: 110.367 ms
Loss rate: 3.78%
-- Flow 2:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 115.129 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 1739.111 ms
Loss rate: 4.82%

Run 2: Report of Indigo-Muses — Data Link

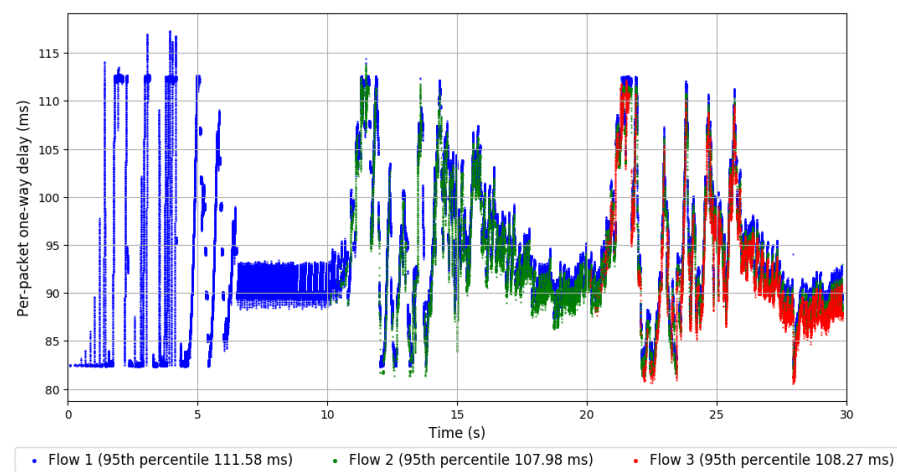
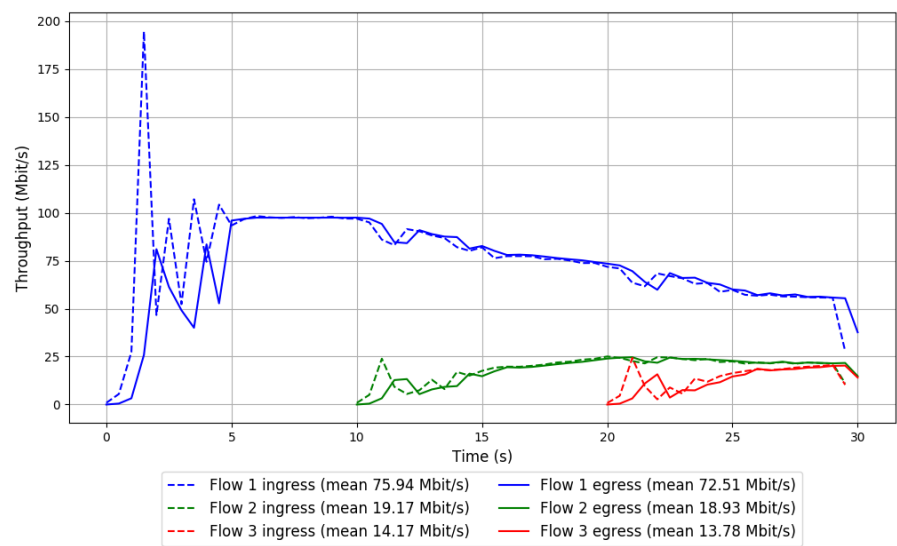


Run 3: Statistics of Indigo-Muses

Start at: 2018-12-02 05:33:04
End at: 2018-12-02 05:33:34
Local clock offset: -5.436 ms
Remote clock offset: 14.864 ms

Below is generated by plot.py at 2018-12-02 06:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 110.586 ms
Loss rate: 3.98%
-- Flow 1:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 111.584 ms
Loss rate: 4.51%
-- Flow 2:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 107.982 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 108.272 ms
Loss rate: 2.77%

Run 3: Report of Indigo-Muses — Data Link

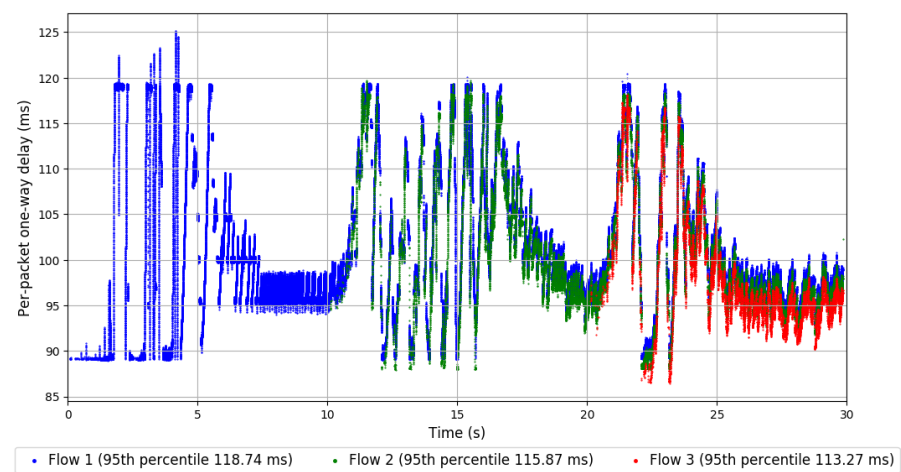
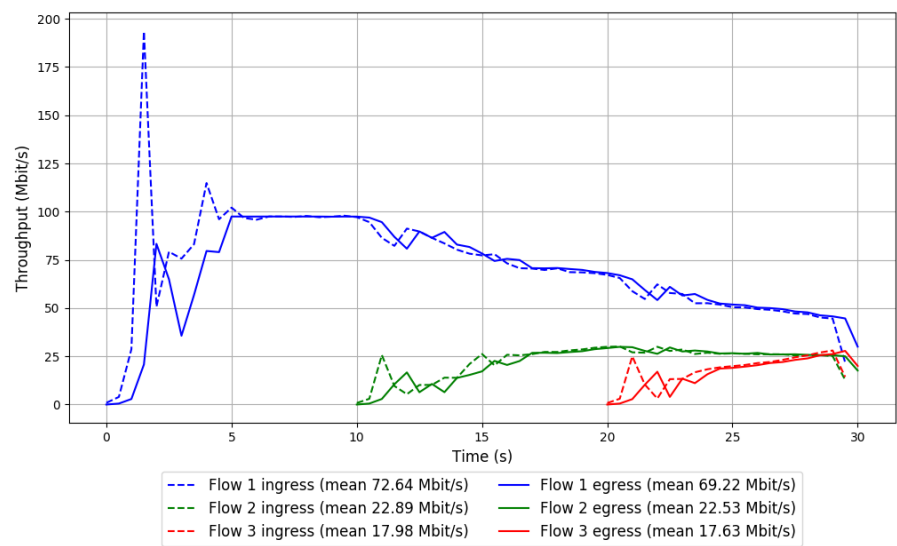


Run 4: Statistics of Indigo-Muses

Start at: 2018-12-02 05:57:06
End at: 2018-12-02 05:57:36
Local clock offset: -2.887 ms
Remote clock offset: 19.267 ms

```
# Below is generated by plot.py at 2018-12-02 06:51:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 117.910 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 69.22 Mbit/s
95th percentile per-packet one-way delay: 118.736 ms
Loss rate: 4.69%
-- Flow 2:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 115.874 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 113.270 ms
Loss rate: 1.95%
```

Run 4: Report of Indigo-Muses — Data Link

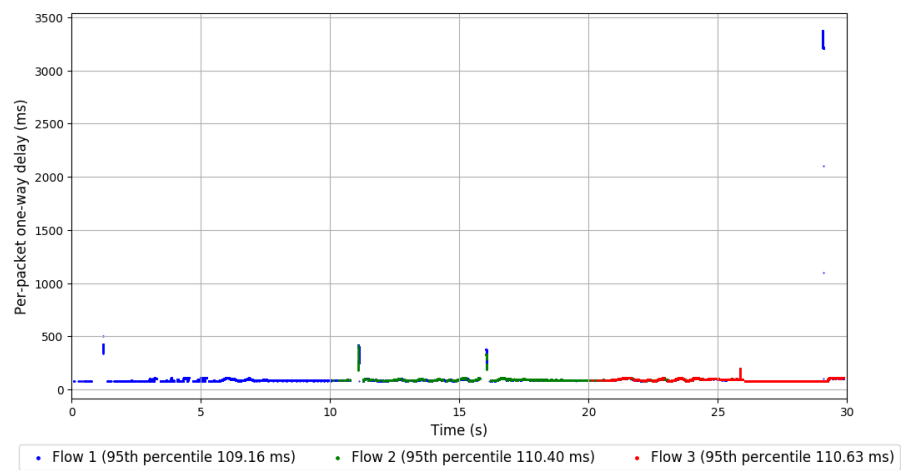
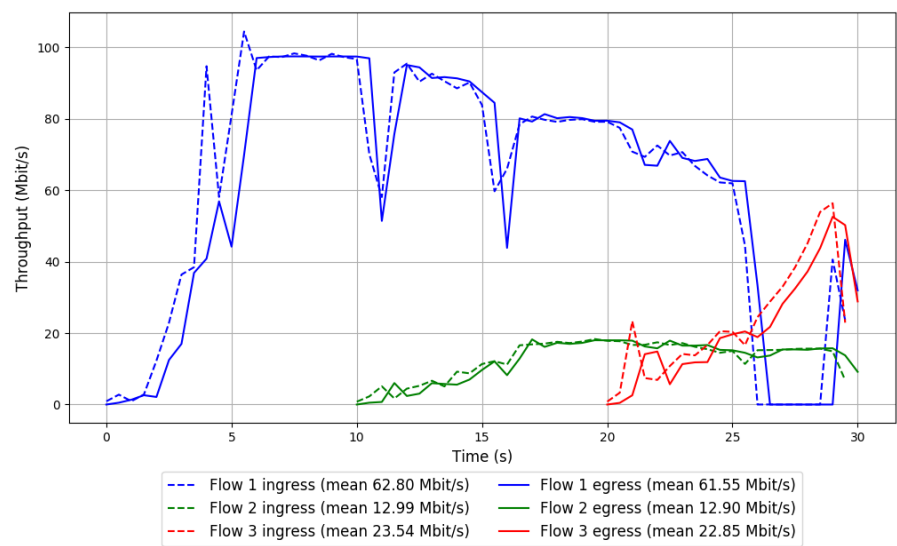


Run 5: Statistics of Indigo-Muses

Start at: 2018-12-02 06:21:28
End at: 2018-12-02 06:21:58
Local clock offset: -1.539 ms
Remote clock offset: -5.077 ms

Below is generated by plot.py at 2018-12-02 06:51:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.57 Mbit/s
95th percentile per-packet one-way delay: 109.333 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 109.161 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 110.400 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 110.626 ms
Loss rate: 2.70%

Run 5: Report of Indigo-Muses — Data Link

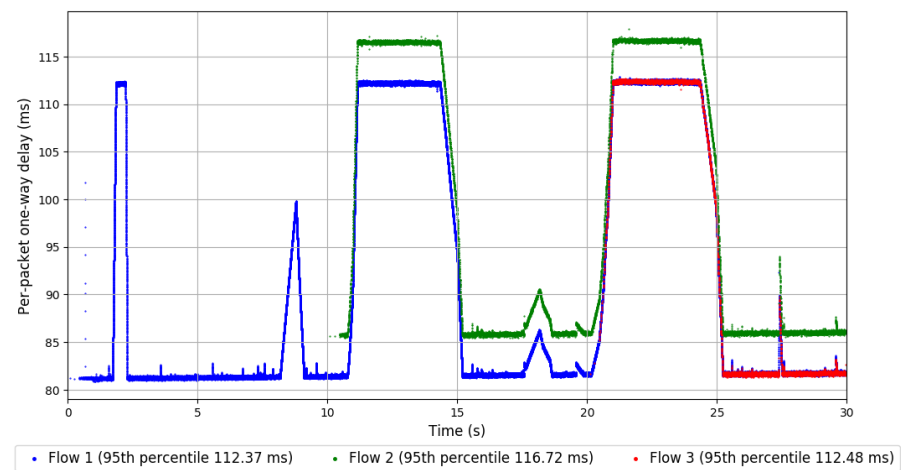
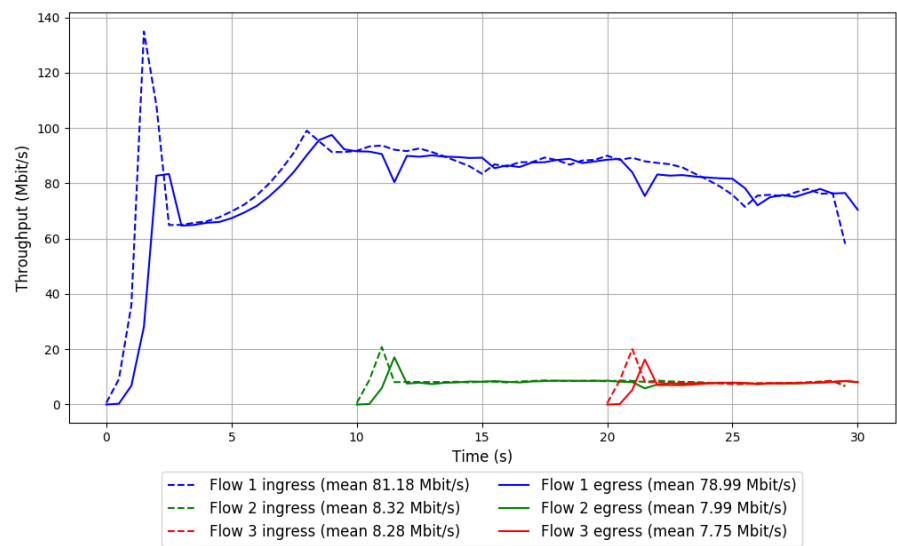


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-12-02 04:57:34
End at: 2018-12-02 04:58:04
Local clock offset: -2.933 ms
Remote clock offset: 21.079 ms

# Below is generated by plot.py at 2018-12-02 06:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 112.421 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 78.99 Mbit/s
95th percentile per-packet one-way delay: 112.370 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 116.720 ms
Loss rate: 4.09%
-- Flow 3:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 112.485 ms
Loss rate: 6.47%
```

Run 1: Report of PCC-Allegro — Data Link

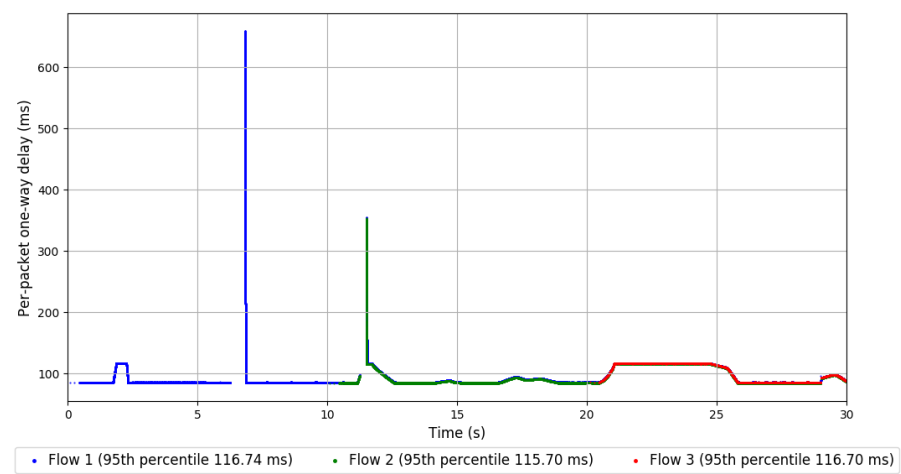
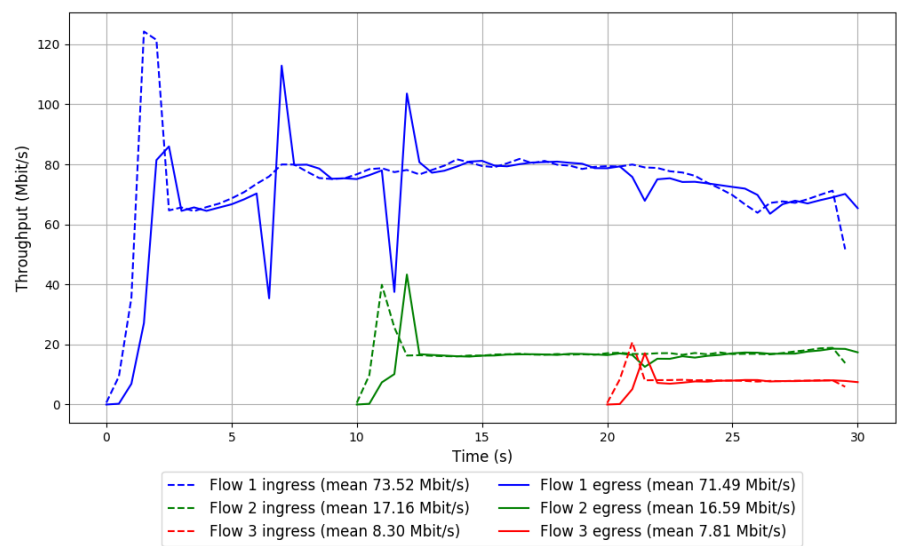


Run 2: Statistics of PCC-Allegro

Start at: 2018-12-02 05:21:47
End at: 2018-12-02 05:22:17
Local clock offset: -2.117 ms
Remote clock offset: 19.648 ms

Below is generated by plot.py at 2018-12-02 06:51:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 116.717 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 71.49 Mbit/s
95th percentile per-packet one-way delay: 116.736 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 16.59 Mbit/s
95th percentile per-packet one-way delay: 115.699 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 116.704 ms
Loss rate: 5.89%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-12-02 05:45:53

End at: 2018-12-02 05:46:23

Local clock offset: -6.333 ms

Remote clock offset: 18.78 ms

Below is generated by plot.py at 2018-12-02 06:51:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 117.732 ms

Loss rate: 5.37%

-- Flow 1:

Average throughput: 77.59 Mbit/s

95th percentile per-packet one-way delay: 116.872 ms

Loss rate: 5.27%

-- Flow 2:

Average throughput: 7.66 Mbit/s

95th percentile per-packet one-way delay: 662.681 ms

Loss rate: 5.64%

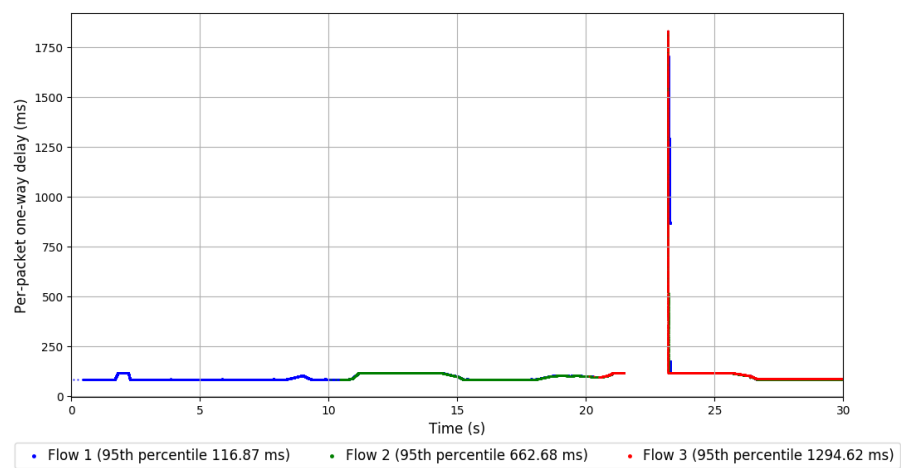
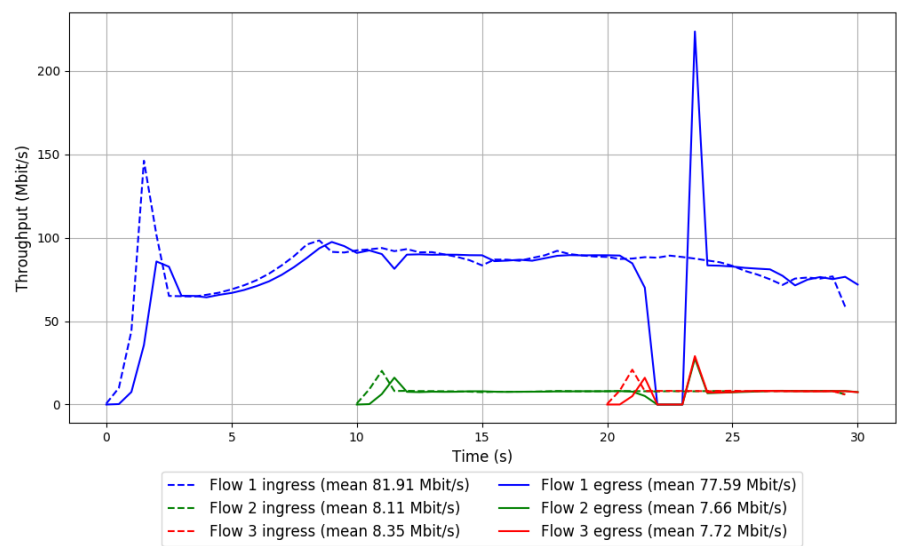
-- Flow 3:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 1294.617 ms

Loss rate: 7.73%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-12-02 06:10:06

End at: 2018-12-02 06:10:36

Local clock offset: -0.855 ms

Remote clock offset: 5.509 ms

Below is generated by plot.py at 2018-12-02 06:51:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 113.471 ms

Loss rate: 4.35%

-- Flow 1:

Average throughput: 72.68 Mbit/s

95th percentile per-packet one-way delay: 111.985 ms

Loss rate: 3.94%

-- Flow 2:

Average throughput: 17.39 Mbit/s

95th percentile per-packet one-way delay: 113.785 ms

Loss rate: 6.56%

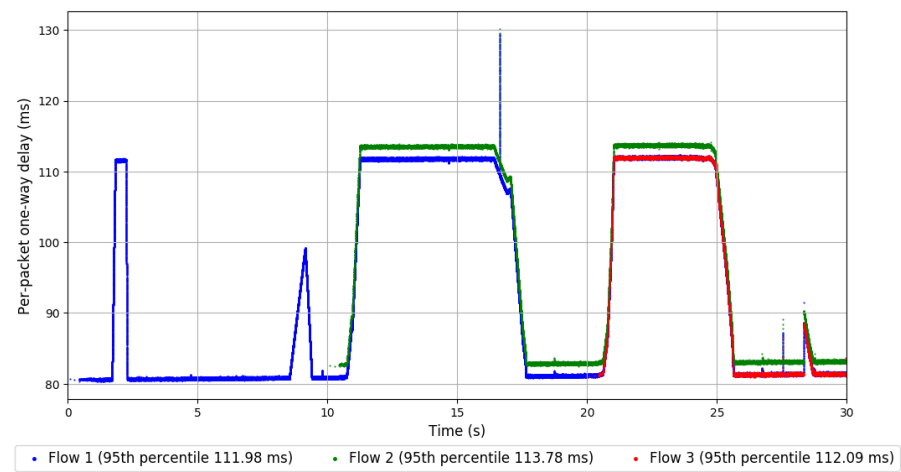
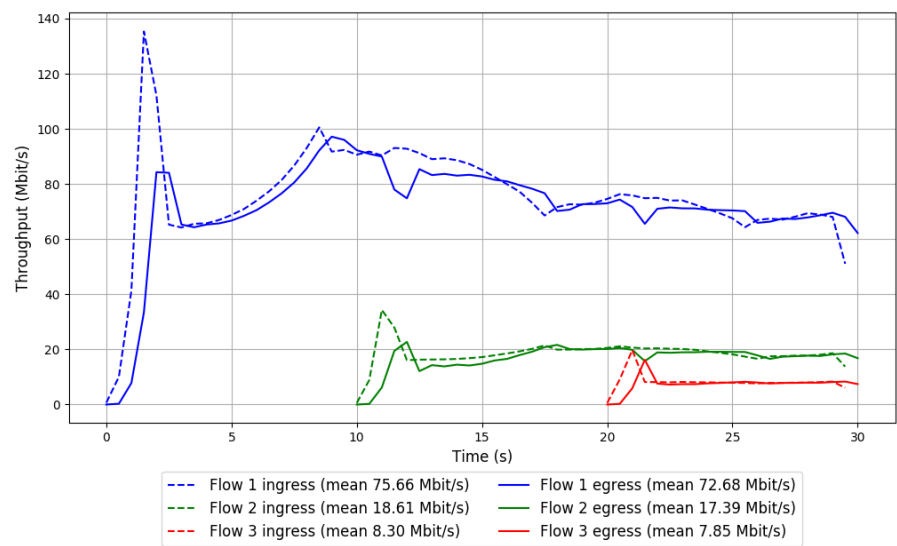
-- Flow 3:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 112.086 ms

Loss rate: 5.43%

Run 4: Report of PCC-Allegro — Data Link

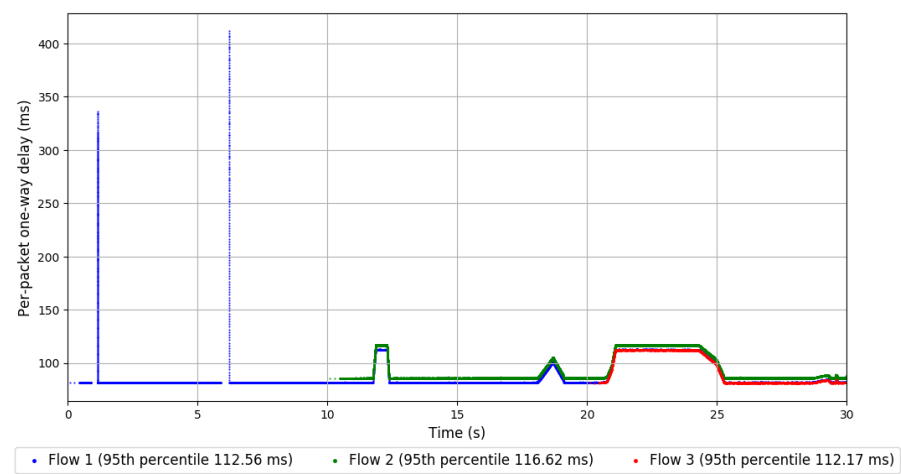
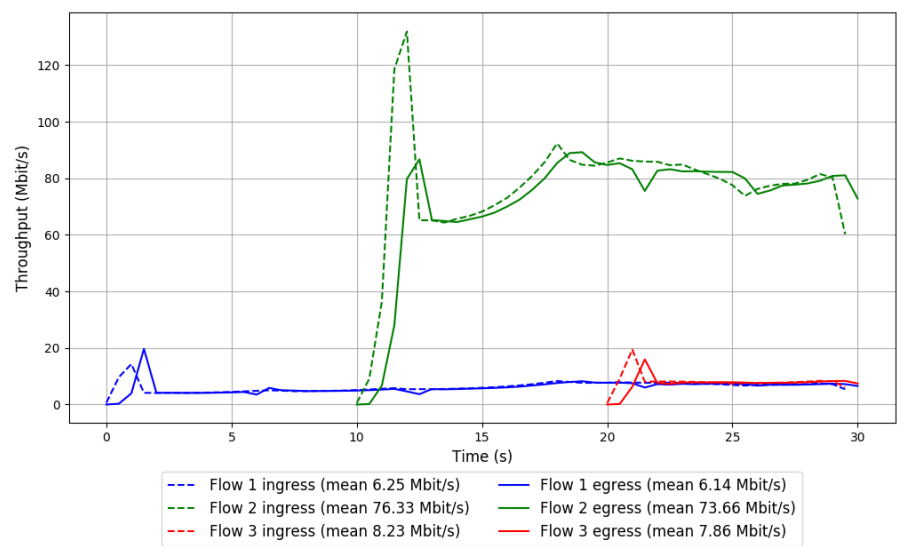


Run 5: Statistics of PCC-Allegro

Start at: 2018-12-02 06:34:41
End at: 2018-12-02 06:35:11
Local clock offset: -6.069 ms
Remote clock offset: -11.326 ms

Below is generated by plot.py at 2018-12-02 06:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.71 Mbit/s
95th percentile per-packet one-way delay: 116.607 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 112.564 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 73.66 Mbit/s
95th percentile per-packet one-way delay: 116.617 ms
Loss rate: 3.51%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 112.166 ms
Loss rate: 4.48%

Run 5: Report of PCC-Allegro — Data Link

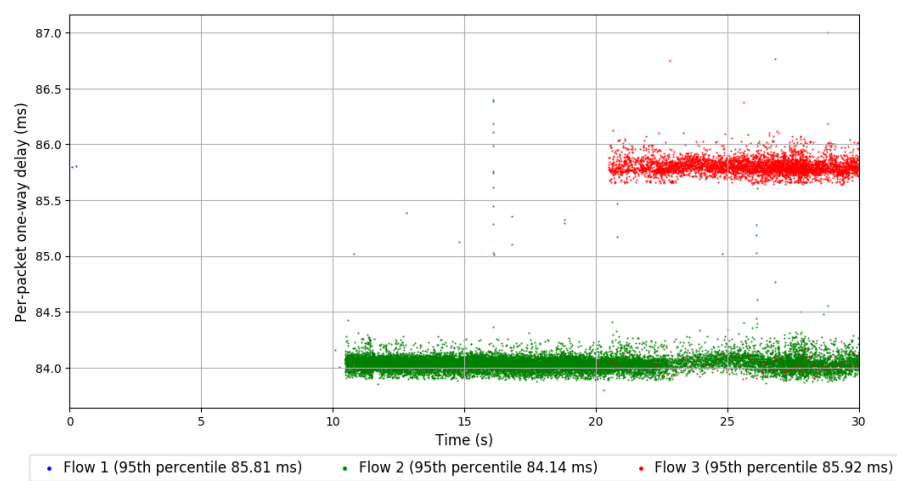
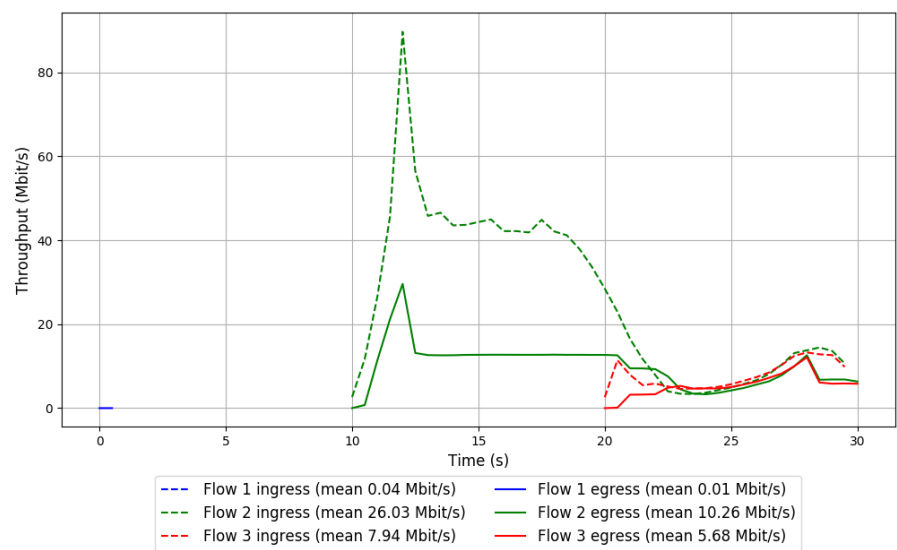


```
Run 1: Statistics of PCC-Expr

Start at: 2018-12-02 04:43:26
End at: 2018-12-02 04:43:56
Local clock offset: -6.92 ms
Remote clock offset: 26.611 ms

# Below is generated by plot.py at 2018-12-02 06:51:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 85.841 ms
Loss rate: 56.38%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 85.808 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 84.135 ms
Loss rate: 60.60%
-- Flow 3:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 85.925 ms
Loss rate: 28.50%
```

Run 1: Report of PCC-Expr — Data Link

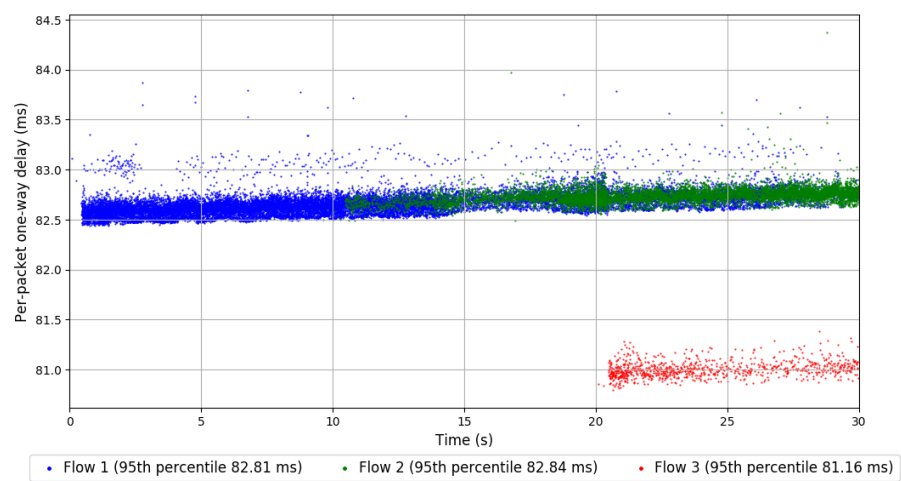
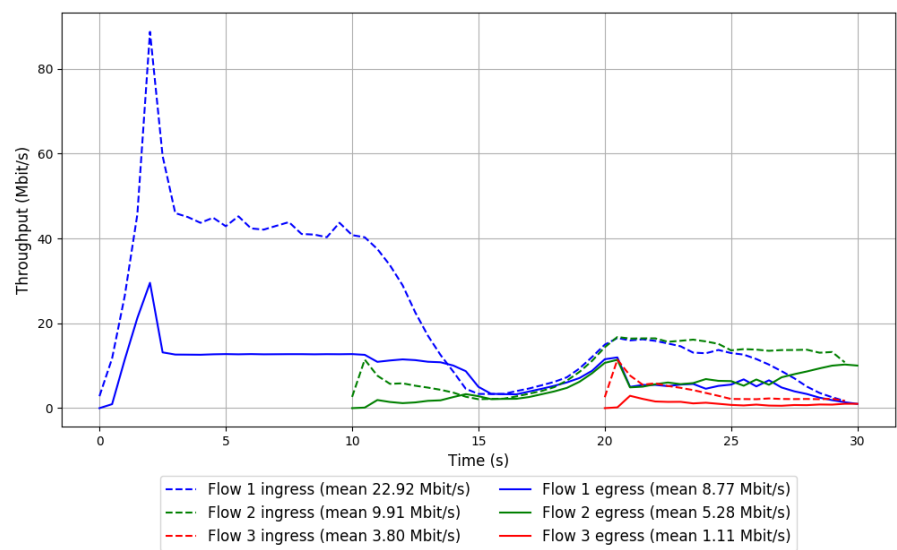


Run 2: Statistics of PCC-Expr

Start at: 2018-12-02 05:07:34
End at: 2018-12-02 05:08:04
Local clock offset: -1.898 ms
Remote clock offset: 17.378 ms

Below is generated by plot.py at 2018-12-02 06:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 82.826 ms
Loss rate: 58.90%
-- Flow 1:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 82.810 ms
Loss rate: 61.75%
-- Flow 2:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 82.844 ms
Loss rate: 46.71%
-- Flow 3:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 81.159 ms
Loss rate: 70.90%

Run 2: Report of PCC-Expr — Data Link

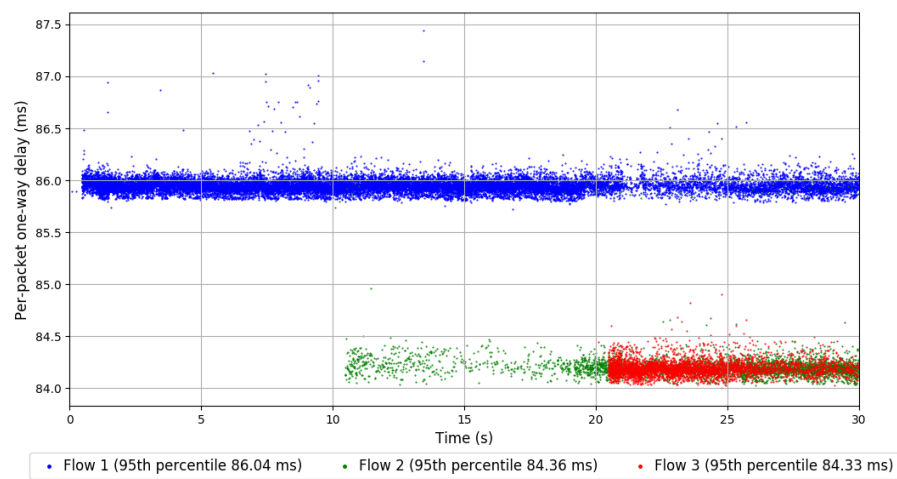
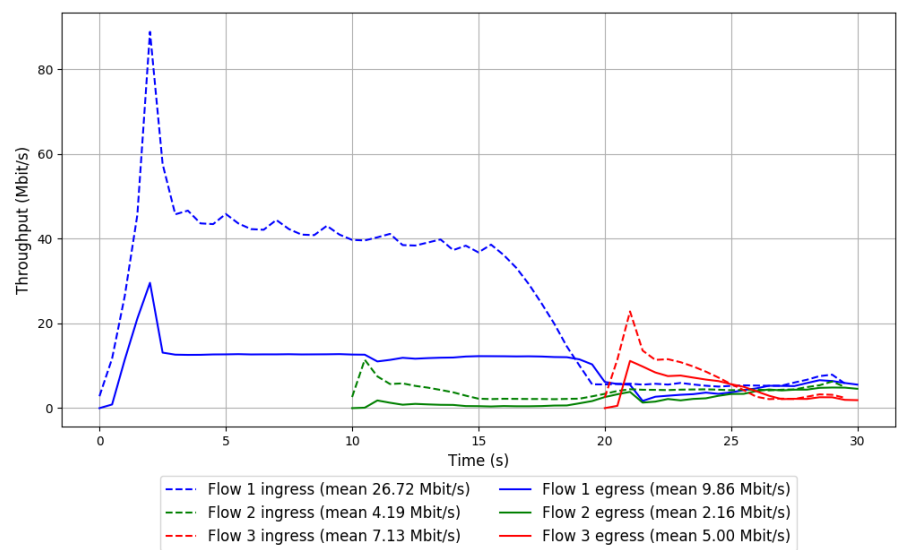


Run 3: Statistics of PCC-Expr

Start at: 2018-12-02 05:31:50
End at: 2018-12-02 05:32:20
Local clock offset: -4.519 ms
Remote clock offset: 19.147 ms

Below is generated by plot.py at 2018-12-02 06:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 86.031 ms
Loss rate: 59.35%
-- Flow 1:
Average throughput: 9.86 Mbit/s
95th percentile per-packet one-way delay: 86.042 ms
Loss rate: 63.09%
-- Flow 2:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 84.357 ms
Loss rate: 48.45%
-- Flow 3:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 84.331 ms
Loss rate: 29.84%

Run 3: Report of PCC-Expr — Data Link

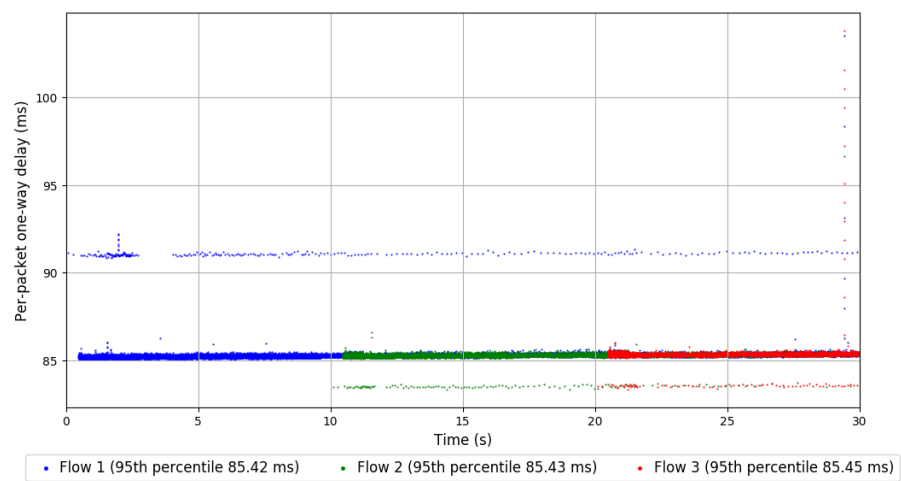
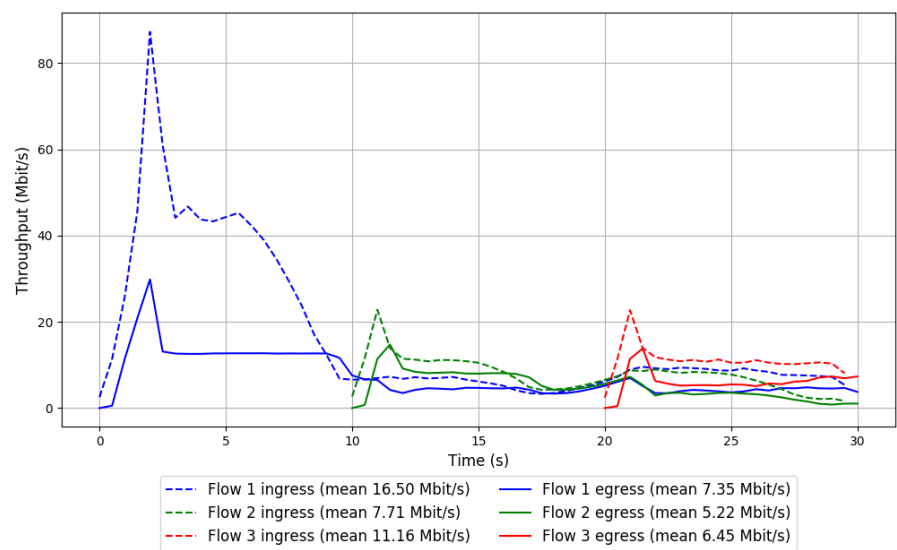


Run 4: Statistics of PCC-Expr

Start at: 2018-12-02 05:55:52
End at: 2018-12-02 05:56:22
Local clock offset: -2.346 ms
Remote clock offset: 17.334 ms

Below is generated by plot.py at 2018-12-02 06:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 85.433 ms
Loss rate: 48.85%
-- Flow 1:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 85.425 ms
Loss rate: 55.47%
-- Flow 2:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 85.426 ms
Loss rate: 32.32%
-- Flow 3:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 85.455 ms
Loss rate: 42.21%

Run 4: Report of PCC-Expr — Data Link

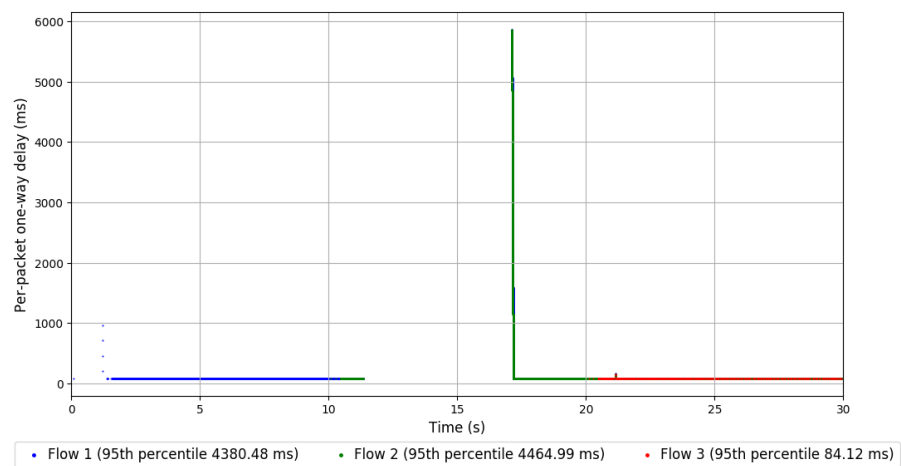
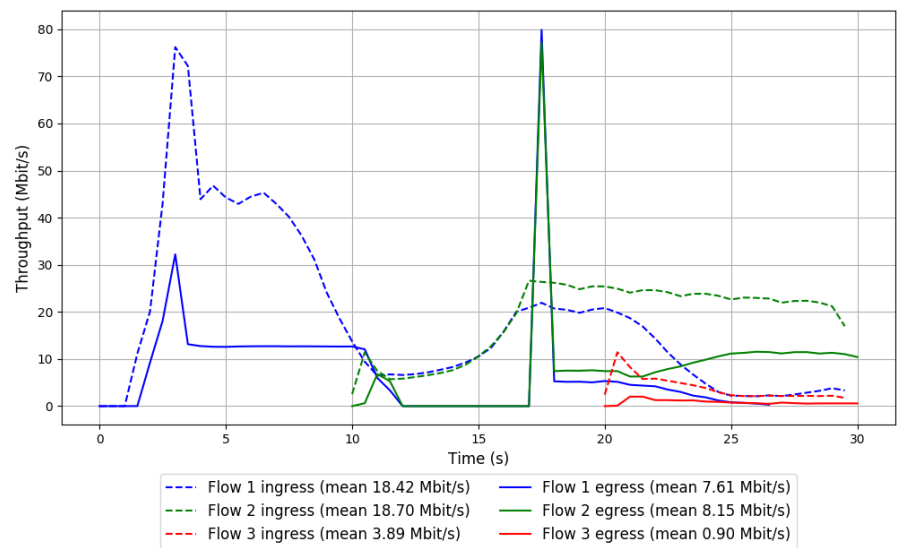


```
Run 5: Statistics of PCC-Expr

Start at: 2018-12-02 06:20:14
End at: 2018-12-02 06:20:44
Local clock offset: -0.844 ms
Remote clock offset: 0.748 ms

# Below is generated by plot.py at 2018-12-02 06:51:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 4387.781 ms
Loss rate: 61.52%
-- Flow 1:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 4380.482 ms
Loss rate: 63.92%
-- Flow 2:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 4464.989 ms
Loss rate: 56.41%
-- Flow 3:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 84.122 ms
Loss rate: 76.72%
```

Run 5: Report of PCC-Expr — Data Link

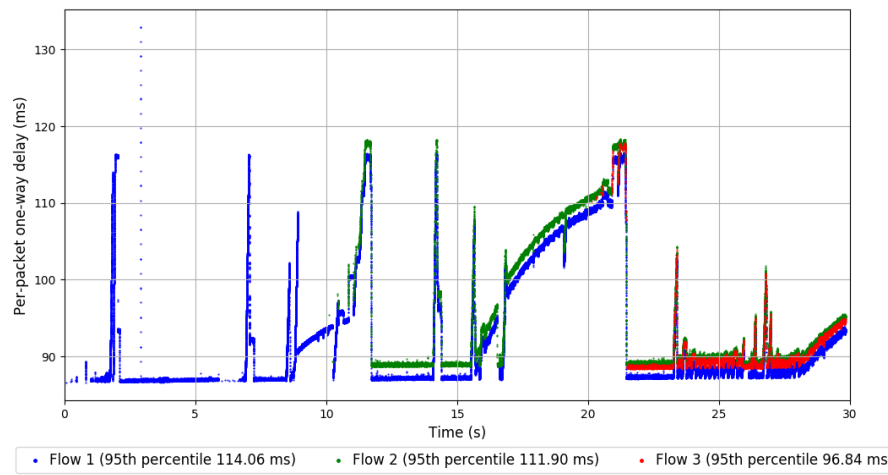
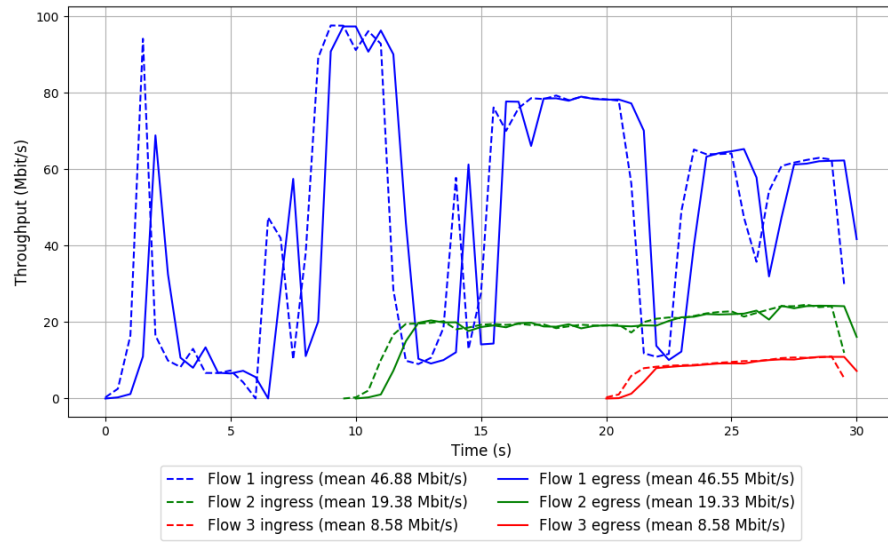


Run 1: Statistics of QUIC Cubic

Start at: 2018-12-02 04:56:17
End at: 2018-12-02 04:56:47
Local clock offset: -4.047 ms
Remote clock offset: 28.313 ms

Below is generated by plot.py at 2018-12-02 06:52:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 112.756 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 114.062 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 111.900 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 96.841 ms
Loss rate: 0.14%

Run 1: Report of QUIC Cubic — Data Link

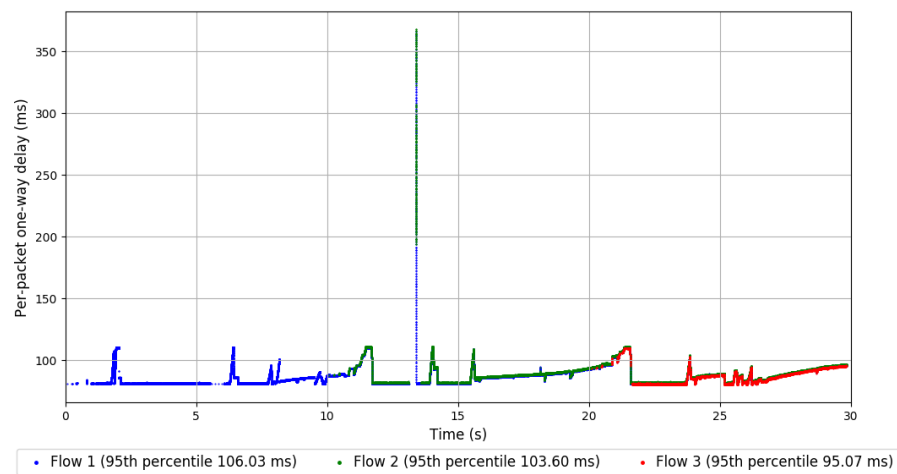
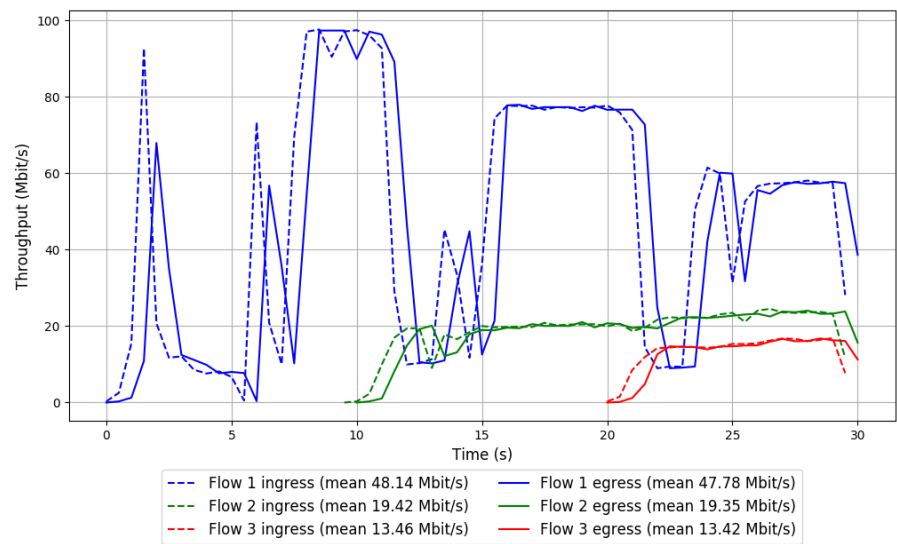


Run 2: Statistics of QUIC Cubic

Start at: 2018-12-02 05:20:30
End at: 2018-12-02 05:21:00
Local clock offset: -1.417 ms
Remote clock offset: 14.575 ms

Below is generated by plot.py at 2018-12-02 06:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 105.134 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 106.029 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 103.603 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 95.067 ms
Loss rate: 0.35%

Run 2: Report of QUIC Cubic — Data Link

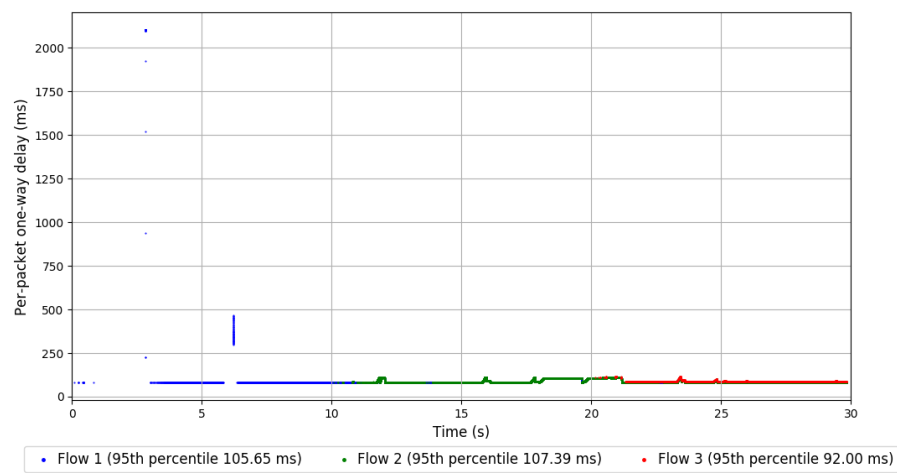
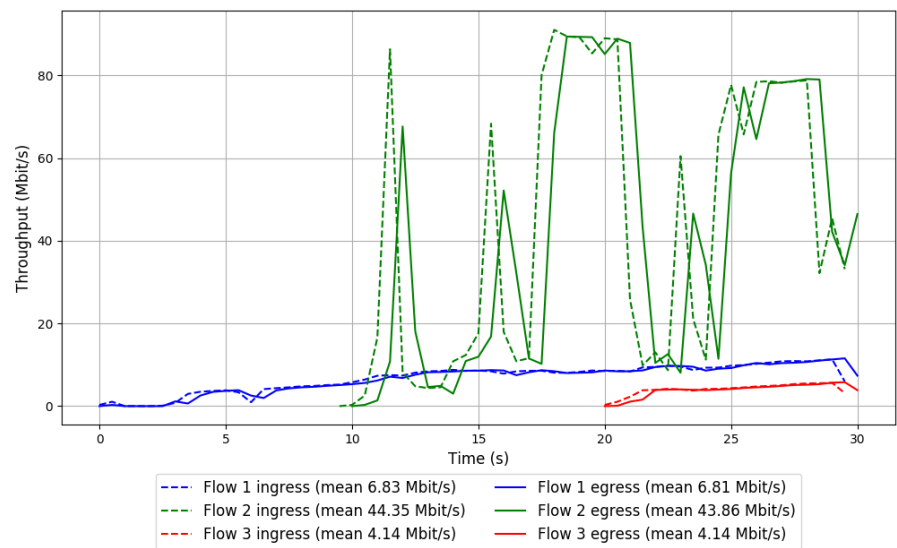


Run 3: Statistics of QUIC Cubic

Start at: 2018-12-02 05:44:38
End at: 2018-12-02 05:45:08
Local clock offset: -5.614 ms
Remote clock offset: 13.479 ms

Below is generated by plot.py at 2018-12-02 06:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 107.258 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 105.654 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 107.390 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 92.002 ms
Loss rate: 0.39%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-12-02 06:08:49

End at: 2018-12-02 06:09:19

Local clock offset: -0.214 ms

Remote clock offset: 7.375 ms

Below is generated by plot.py at 2018-12-02 06:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.69 Mbit/s

95th percentile per-packet one-way delay: 109.369 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 44.95 Mbit/s

95th percentile per-packet one-way delay: 109.722 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 23.09 Mbit/s

95th percentile per-packet one-way delay: 108.302 ms

Loss rate: 0.42%

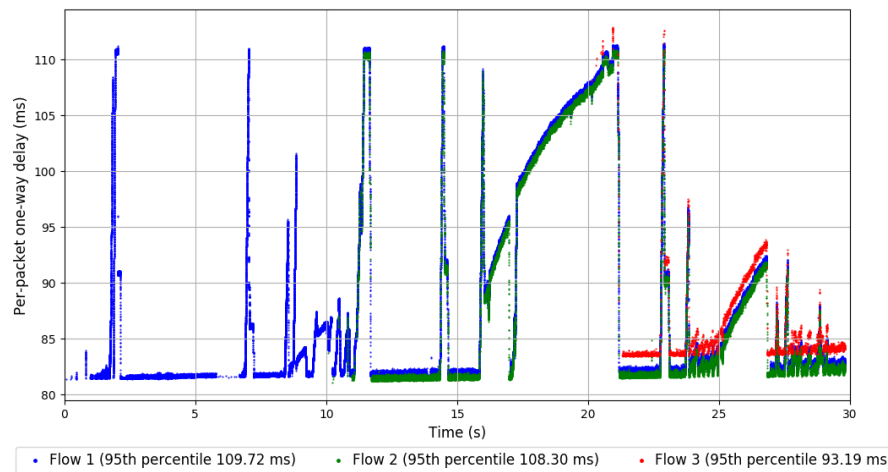
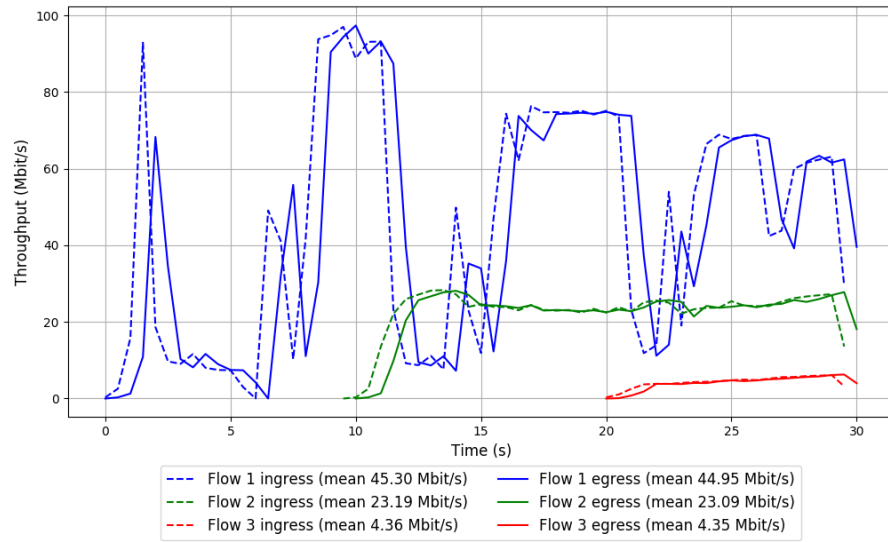
-- Flow 3:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 93.191 ms

Loss rate: 0.64%

Run 4: Report of QUIC Cubic — Data Link

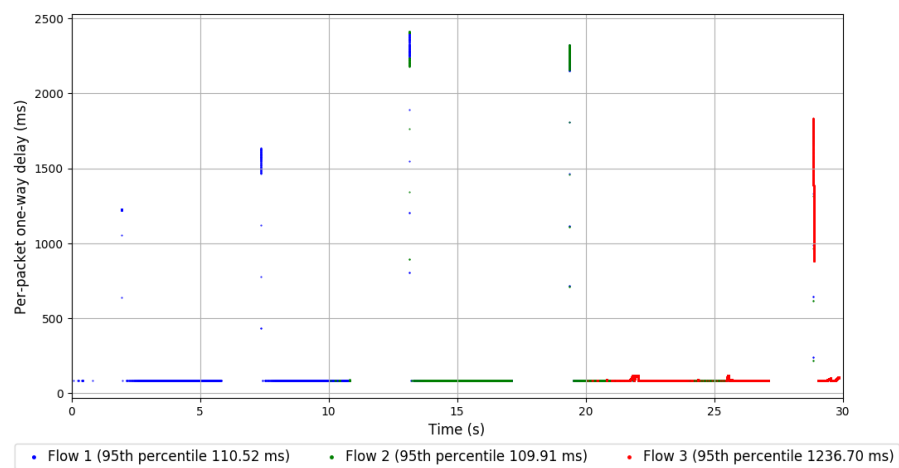
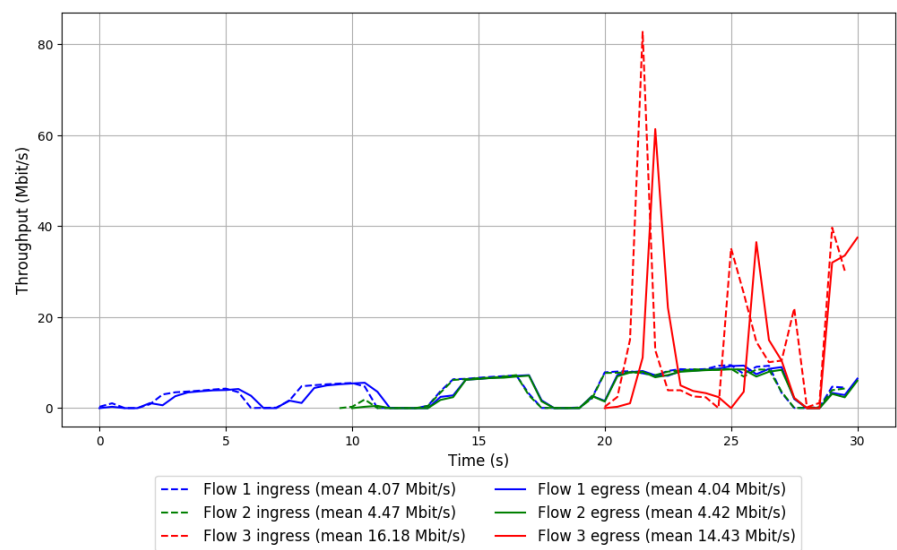


Run 5: Statistics of QUIC Cubic

Start at: 2018-12-02 06:33:25
End at: 2018-12-02 06:33:55
Local clock offset: -5.142 ms
Remote clock offset: -5.569 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 1154.333 ms
Loss rate: 5.00%
-- Flow 1:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 110.521 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 109.908 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 1236.696 ms
Loss rate: 10.67%

Run 5: Report of QUIC Cubic — Data Link

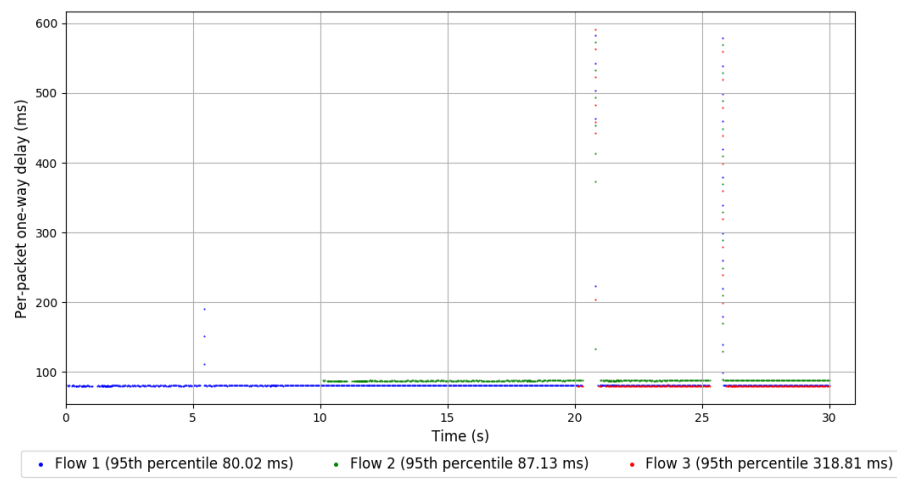
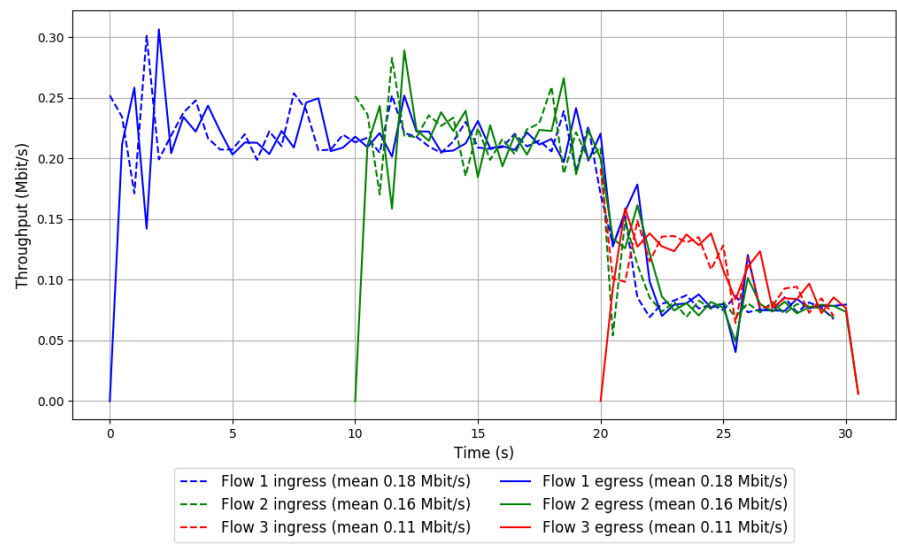


Run 1: Statistics of SCReAM

Start at: 2018-12-02 04:58:50
End at: 2018-12-02 04:59:20
Local clock offset: -2.633 ms
Remote clock offset: 19.939 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 87.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 80.020 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 87.128 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 318.814 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

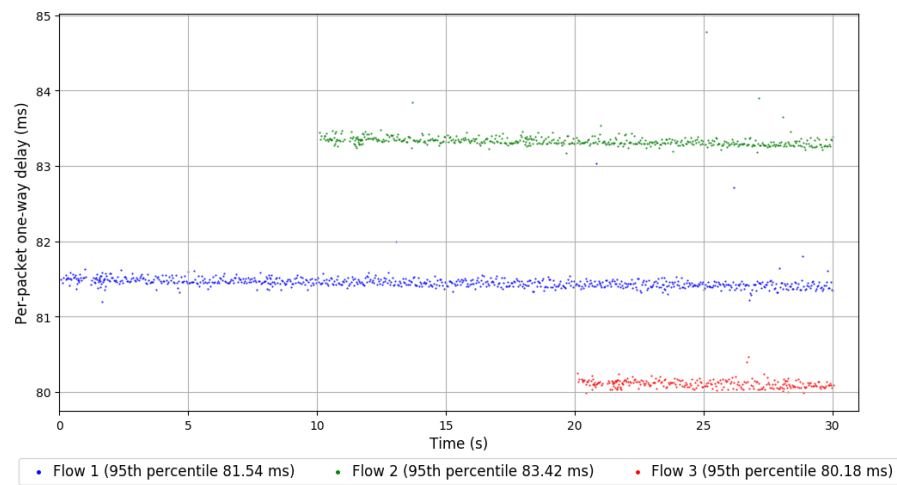
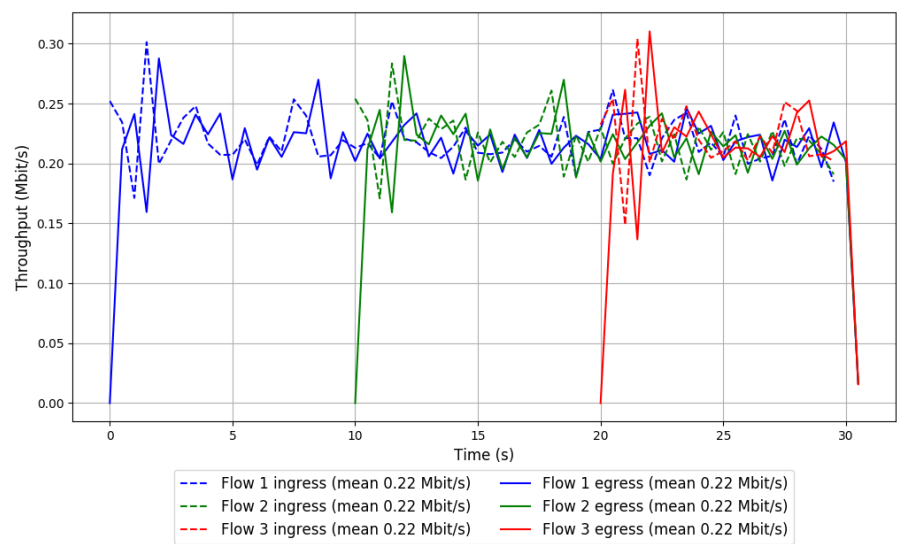


Run 2: Statistics of SReAM

Start at: 2018-12-02 05:23:03
End at: 2018-12-02 05:23:33
Local clock offset: -2.551 ms
Remote clock offset: 15.223 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.543 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.425 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.184 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

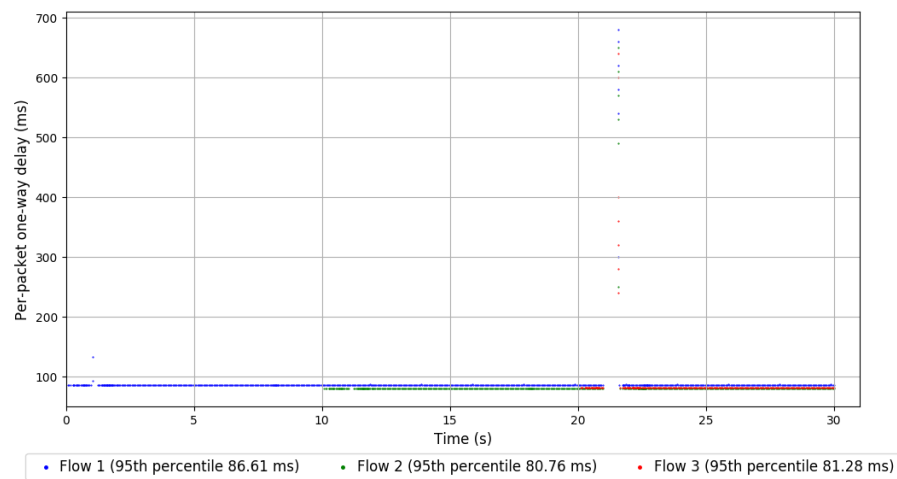
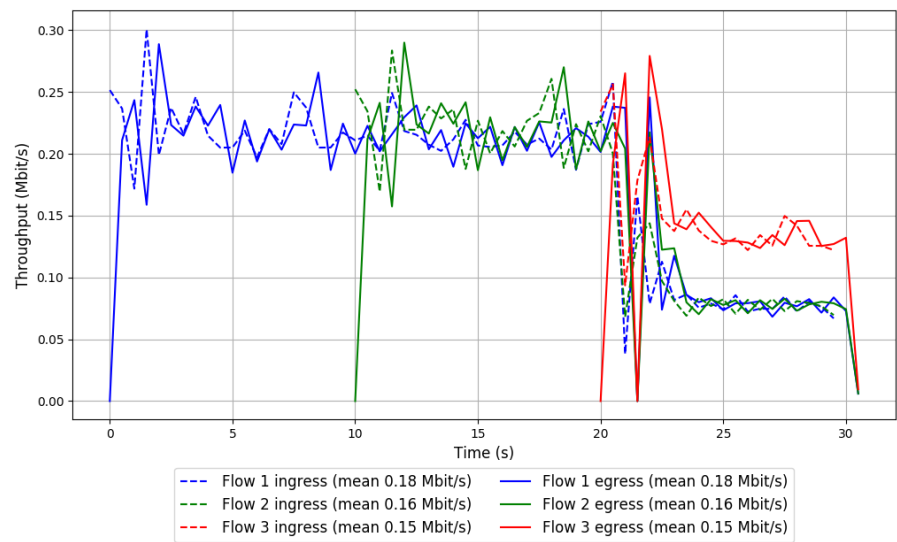


Run 3: Statistics of SCReAM

Start at: 2018-12-02 05:47:09
End at: 2018-12-02 05:47:39
Local clock offset: -5.648 ms
Remote clock offset: 13.25 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 86.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 80.762 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 81.277 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-12-02 06:11:25

End at: 2018-12-02 06:11:55

Local clock offset: 0.112 ms

Remote clock offset: 5.018 ms

Below is generated by plot.py at 2018-12-02 06:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 82.859 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 82.897 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.416 ms

Loss rate: 0.00%

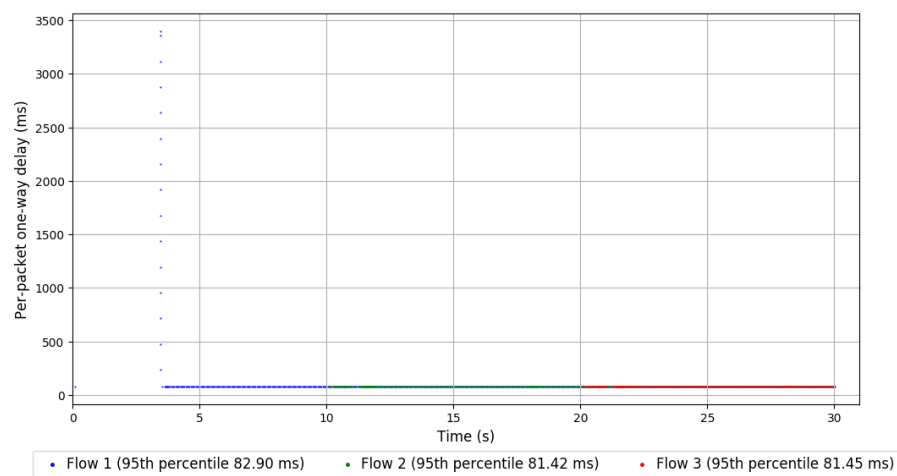
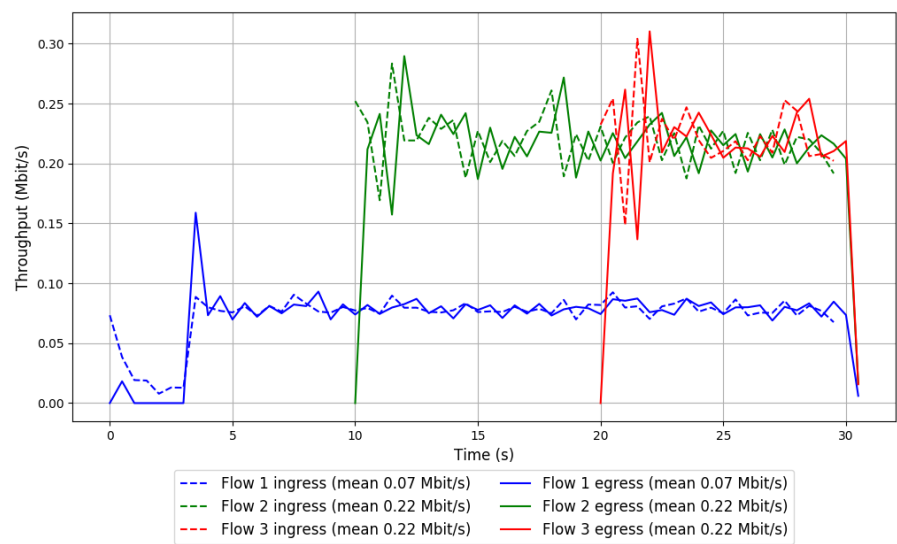
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.450 ms

Loss rate: 0.00%

Run 4: Report of SCSReAM — Data Link

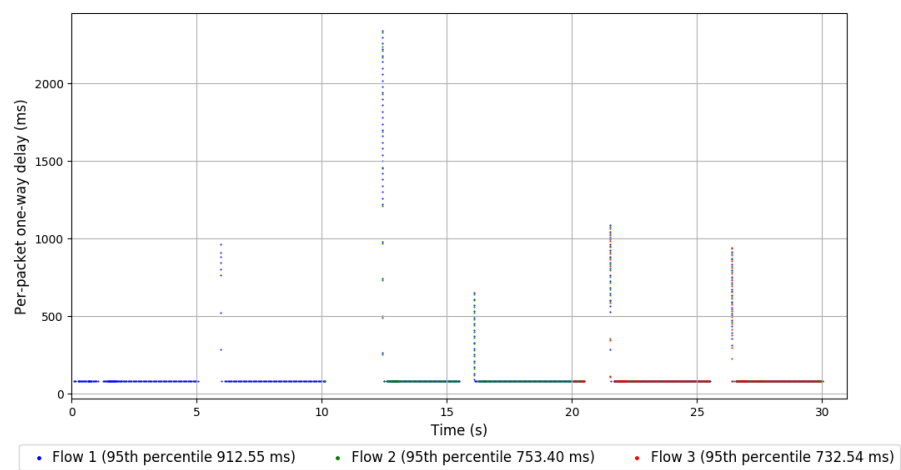
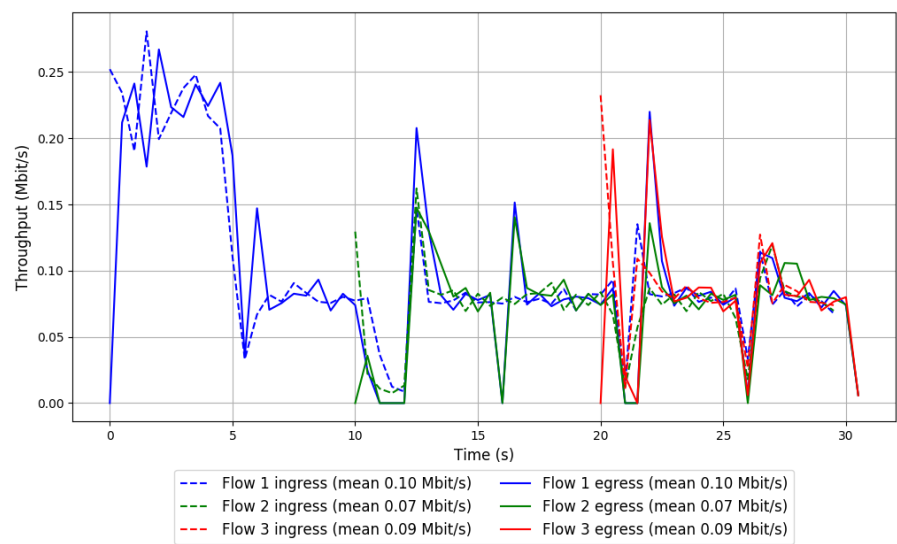


Run 5: Statistics of SReAM

Start at: 2018-12-02 06:35:56
End at: 2018-12-02 06:36:26
Local clock offset: -6.291 ms
Remote clock offset: -11.803 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 832.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 912.552 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 753.398 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 732.539 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

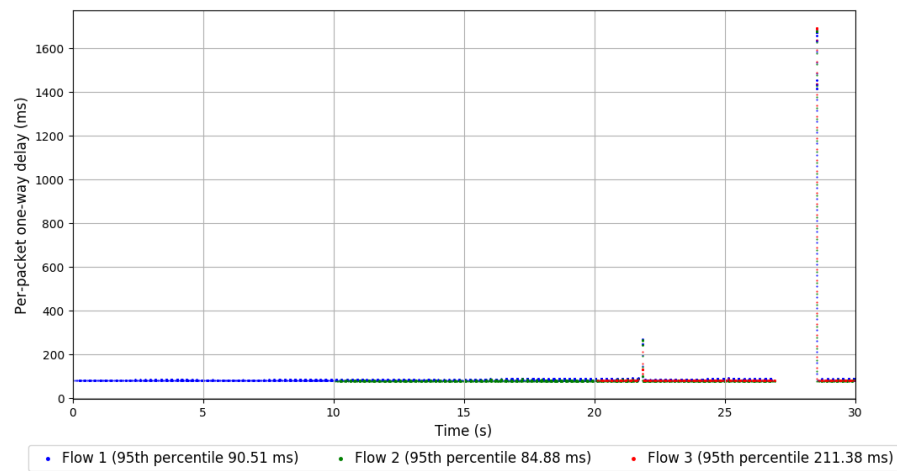
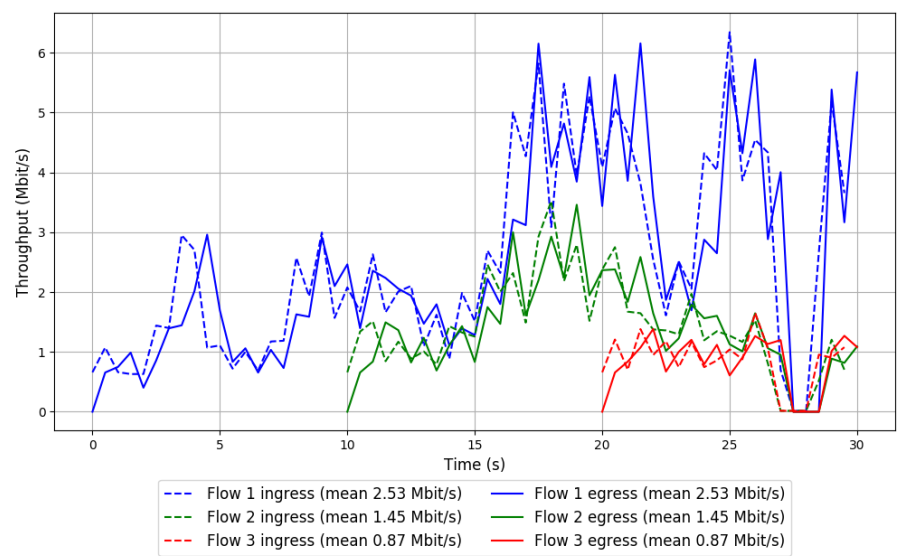


Run 1: Statistics of Sprout

Start at: 2018-12-02 05:06:20
End at: 2018-12-02 05:06:50
Local clock offset: -1.317 ms
Remote clock offset: 16.957 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 90.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 90.511 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 84.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 211.378 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

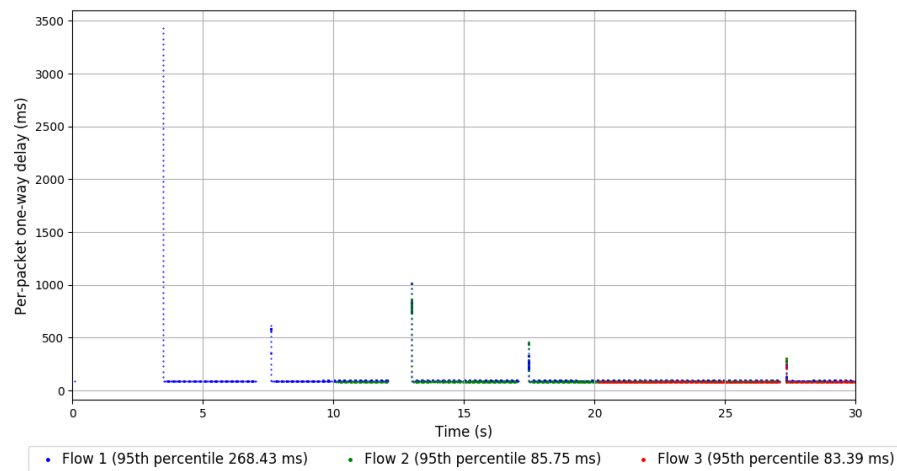
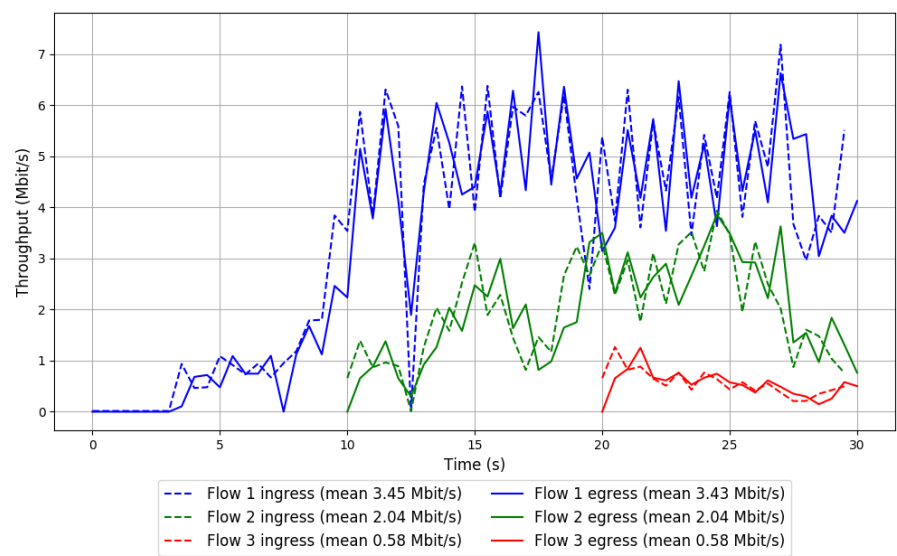


Run 2: Statistics of Sprout

Start at: 2018-12-02 05:30:37
End at: 2018-12-02 05:31:07
Local clock offset: -4.338 ms
Remote clock offset: 15.156 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 238.892 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 268.429 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 85.746 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 83.385 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

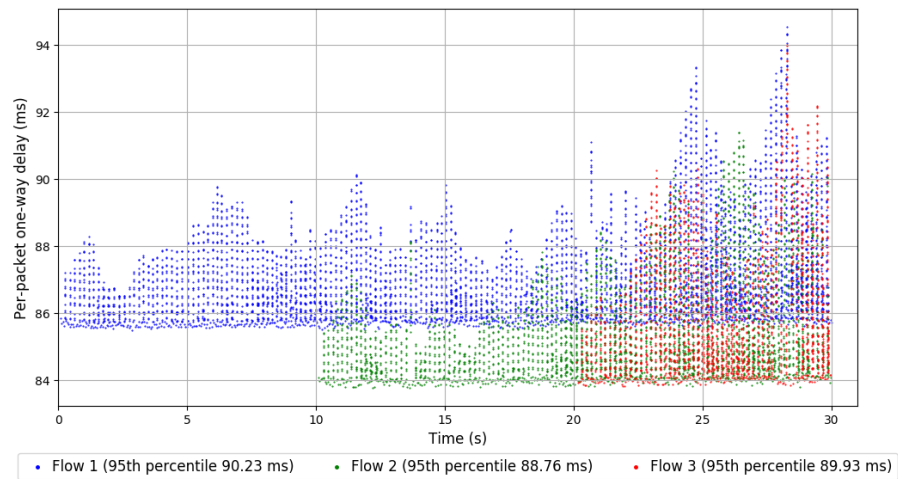
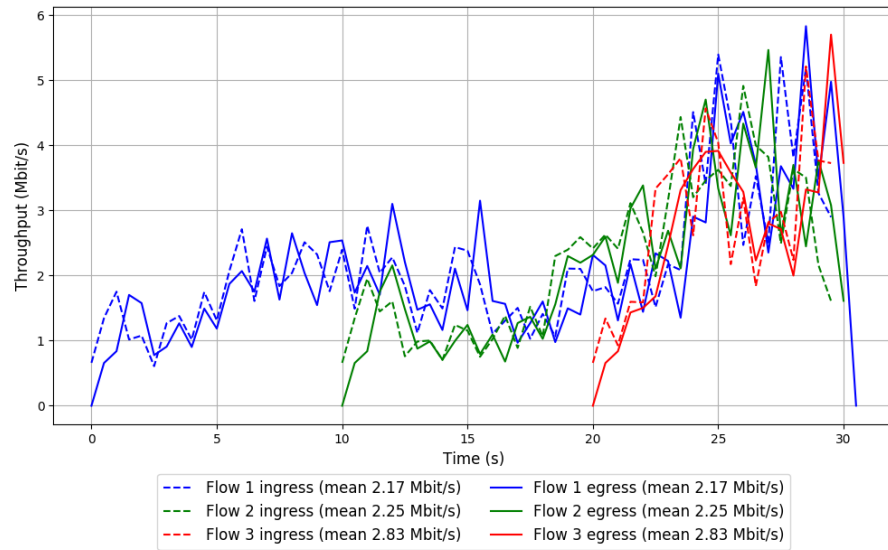


Run 3: Statistics of Sprout

Start at: 2018-12-02 05:54:38
End at: 2018-12-02 05:55:08
Local clock offset: -3.494 ms
Remote clock offset: 17.126 ms

```
# Below is generated by plot.py at 2018-12-02 06:52:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 89.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 90.235 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 88.764 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 89.933 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

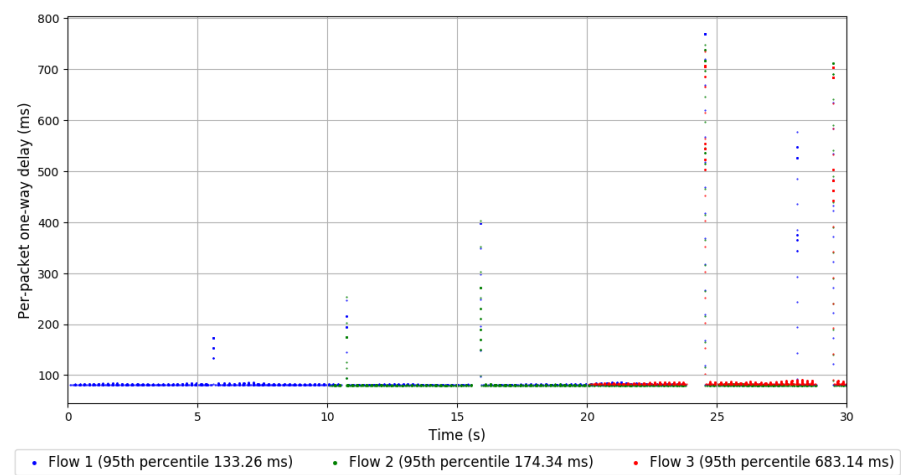
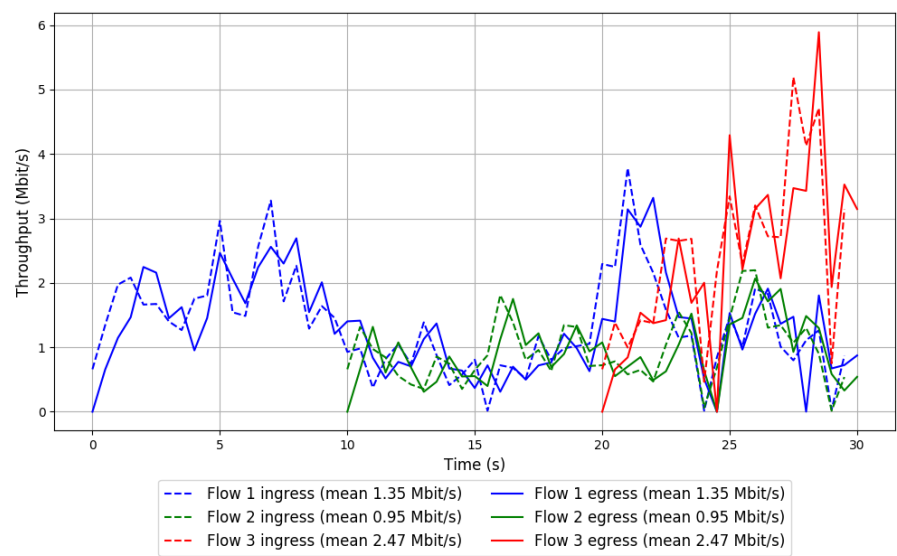


Run 4: Statistics of Sprout

Start at: 2018-12-02 06:18:59
End at: 2018-12-02 06:19:29
Local clock offset: -0.117 ms
Remote clock offset: -2.364 ms

```
# Below is generated by plot.py at 2018-12-02 06:52:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 398.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 133.257 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 174.336 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 683.143 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

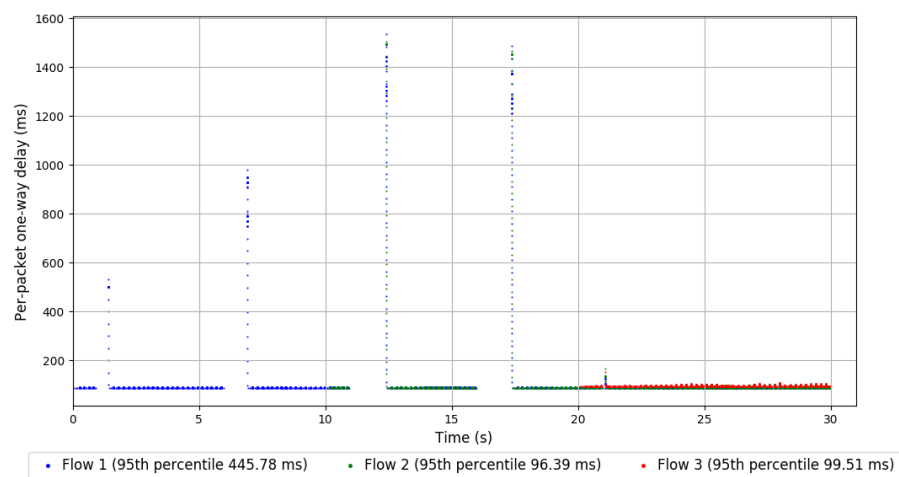
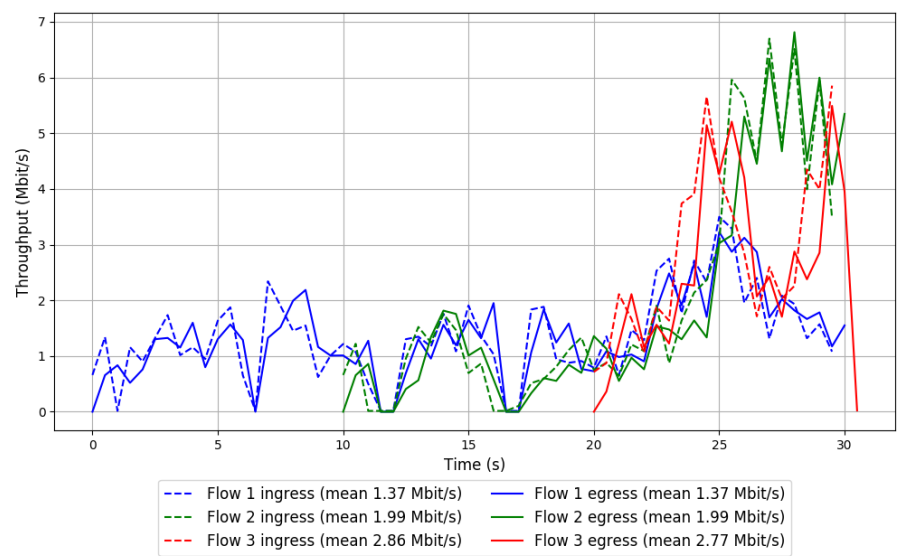


Run 5: Statistics of Sprout

Start at: 2018-12-02 06:43:33
End at: 2018-12-02 06:44:03
Local clock offset: -6.972 ms
Remote clock offset: -6.043 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 99.054 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 445.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 96.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 99.514 ms
Loss rate: 3.32%

Run 5: Report of Sprout — Data Link

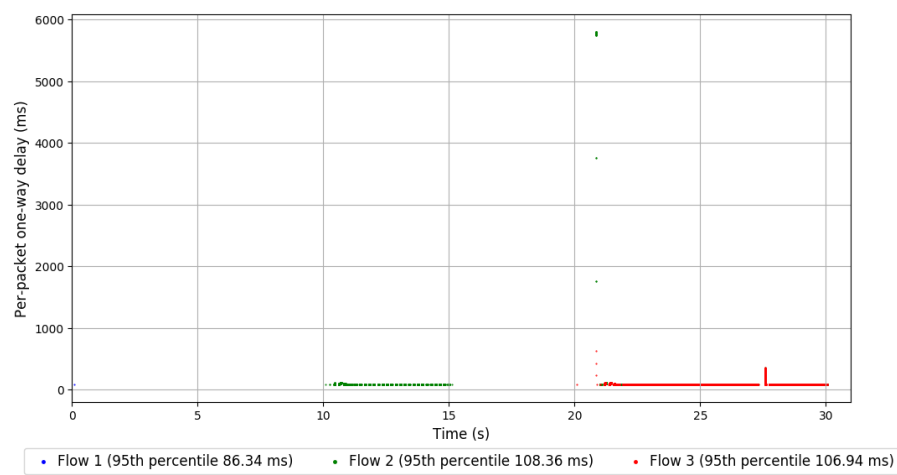
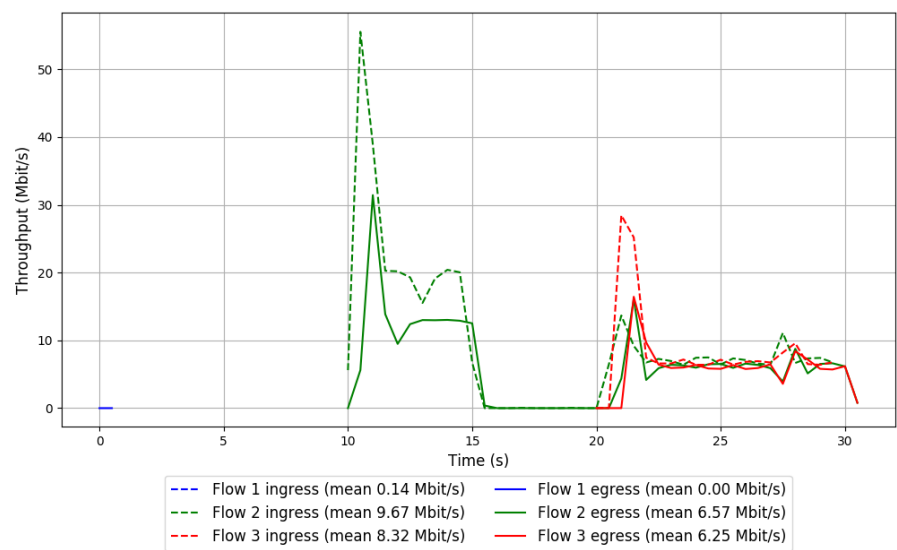


Run 1: Statistics of TaoVA-100x

Start at: 2018-12-02 05:01:21
End at: 2018-12-02 05:01:51
Local clock offset: -2.194 ms
Remote clock offset: 23.837 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 107.923 ms
Loss rate: 29.92%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.336 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 108.360 ms
Loss rate: 32.10%
-- Flow 3:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 106.945 ms
Loss rate: 24.83%

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

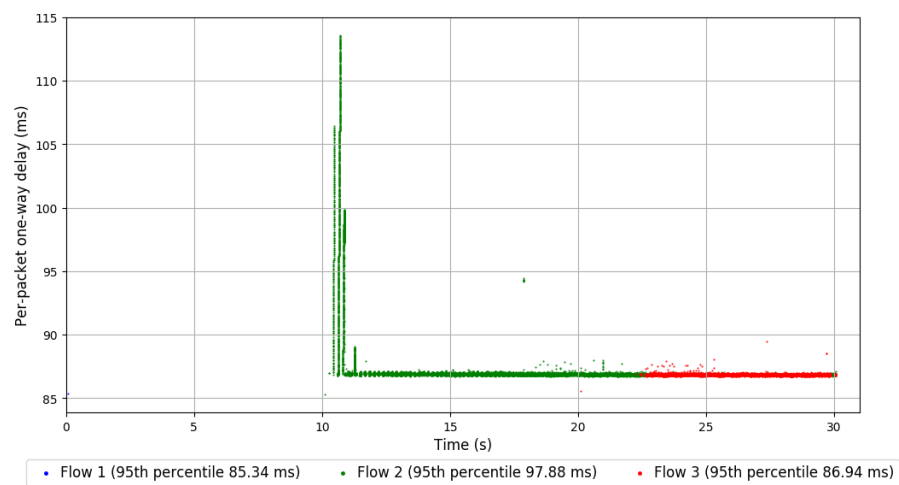
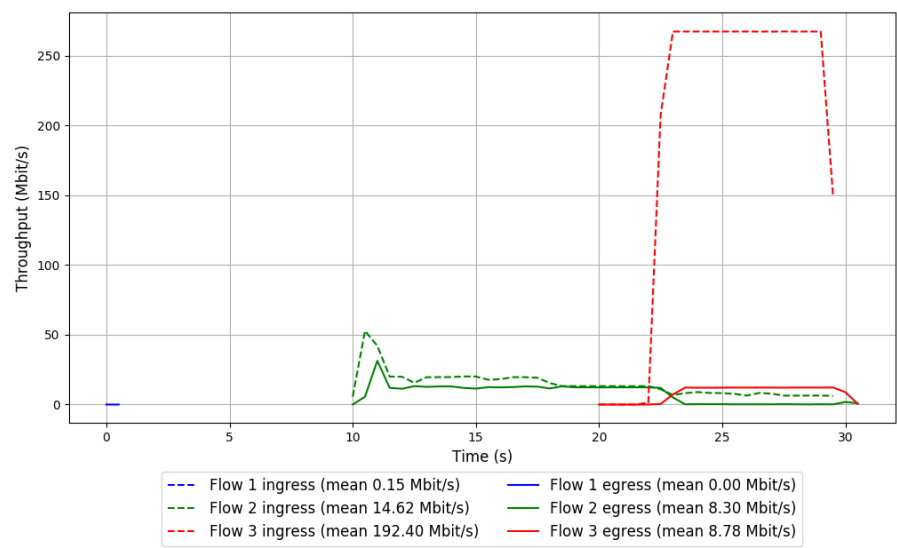


Run 2: Statistics of TaoVA-100x

Start at: 2018-12-02 05:25:34
End at: 2018-12-02 05:26:04
Local clock offset: -4.103 ms
Remote clock offset: 19.685 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 93.019 ms
Loss rate: 88.54%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 85.337 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 97.875 ms
Loss rate: 43.24%
-- Flow 3:
Average throughput: 8.78 Mbit/s
95th percentile per-packet one-way delay: 86.945 ms
Loss rate: 95.44%

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

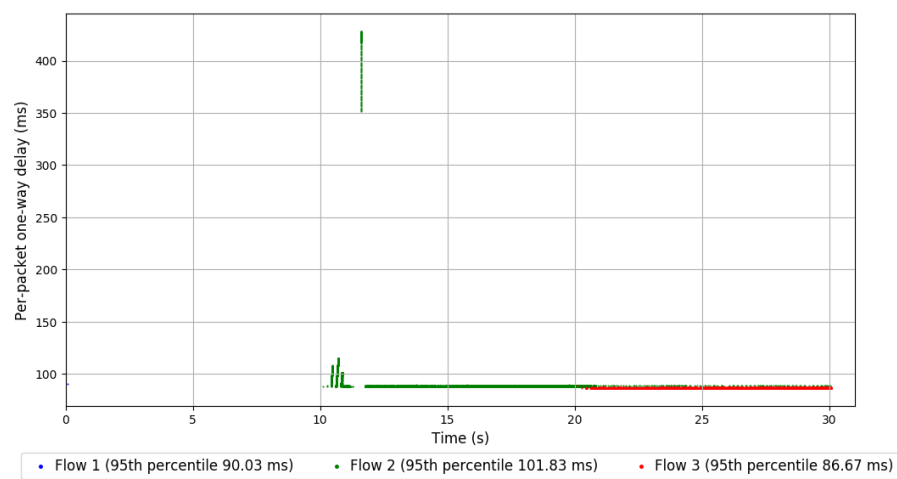
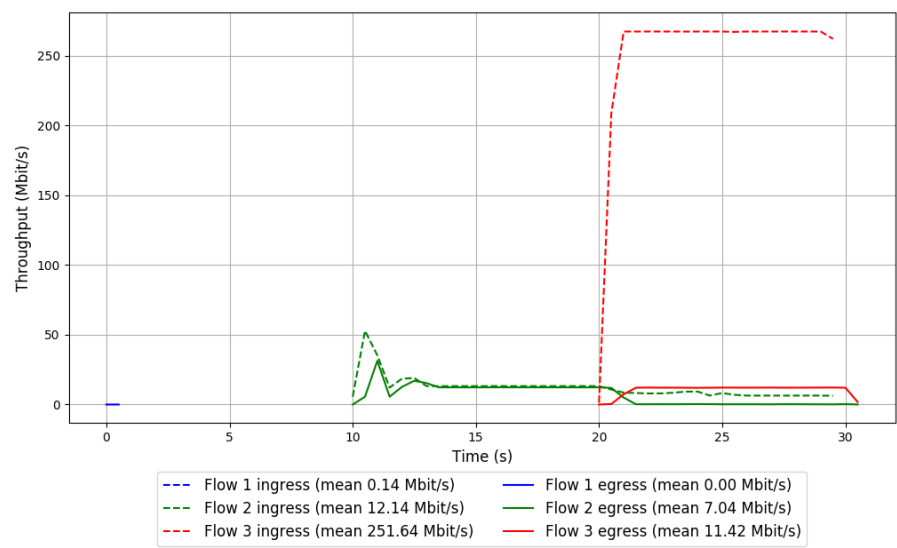


Run 3: Statistics of TaoVA-100x

Start at: 2018-12-02 05:49:40
End at: 2018-12-02 05:50:10
Local clock offset: -5.483 ms
Remote clock offset: 19.594 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 96.780 ms
Loss rate: 90.76%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 90.028 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 101.834 ms
Loss rate: 42.06%
-- Flow 3:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 86.668 ms
Loss rate: 95.46%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-12-02 06:13:57

End at: 2018-12-02 06:14:27

Local clock offset: -0.445 ms

Remote clock offset: 7.369 ms

Below is generated by plot.py at 2018-12-02 06:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.48 Mbit/s

95th percentile per-packet one-way delay: 92.639 ms

Loss rate: 32.10%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 88.286 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 9.81 Mbit/s

95th percentile per-packet one-way delay: 96.321 ms

Loss rate: 33.47%

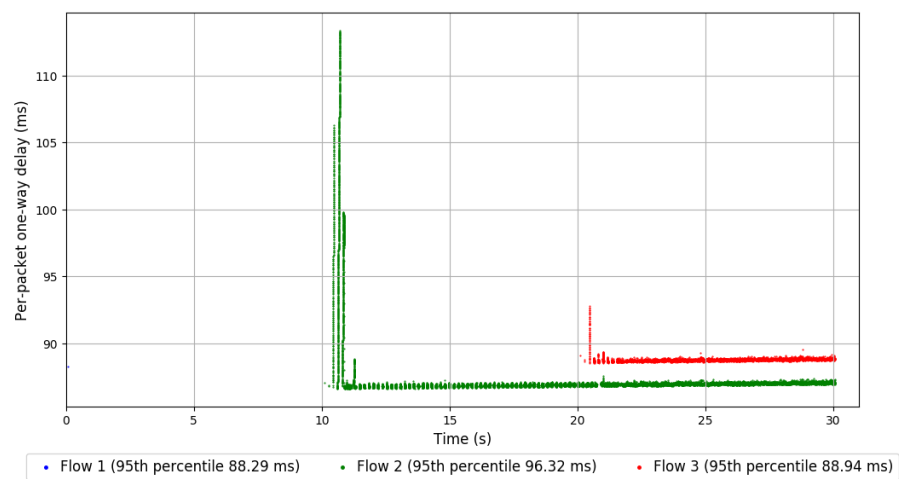
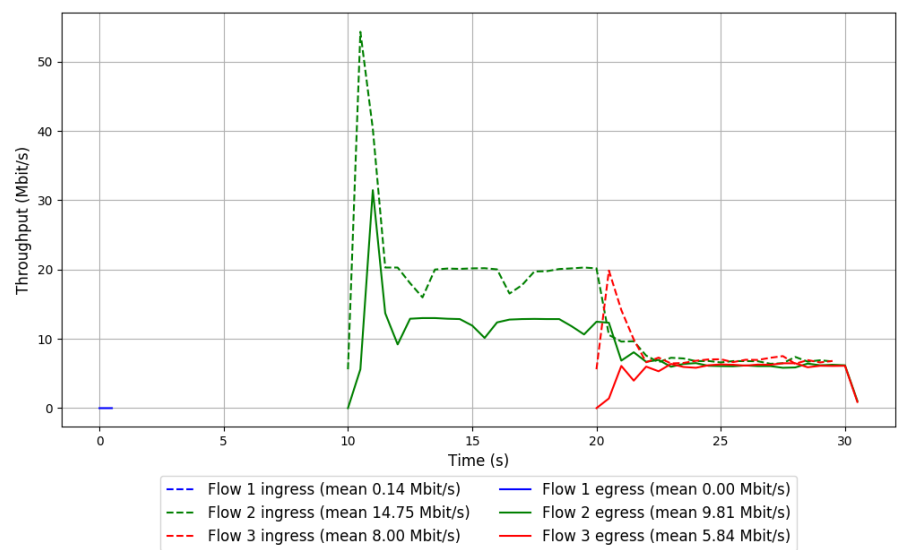
-- Flow 3:

Average throughput: 5.84 Mbit/s

95th percentile per-packet one-way delay: 88.935 ms

Loss rate: 26.99%

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

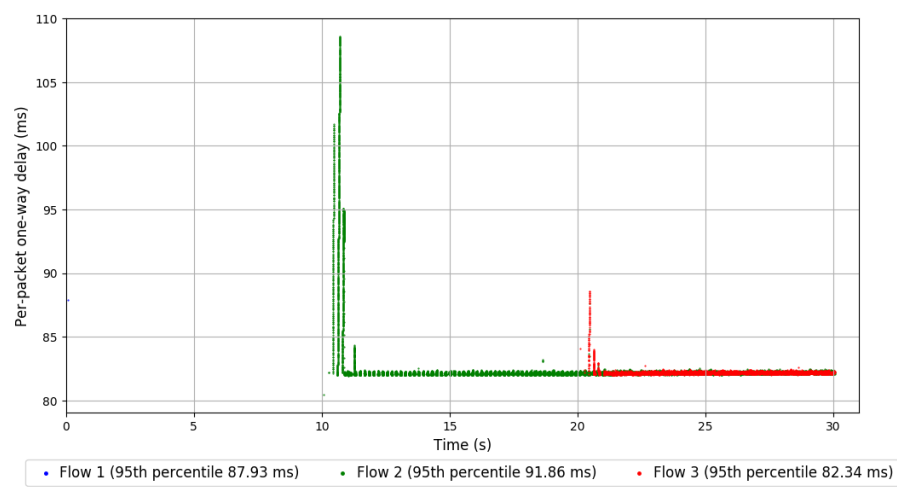
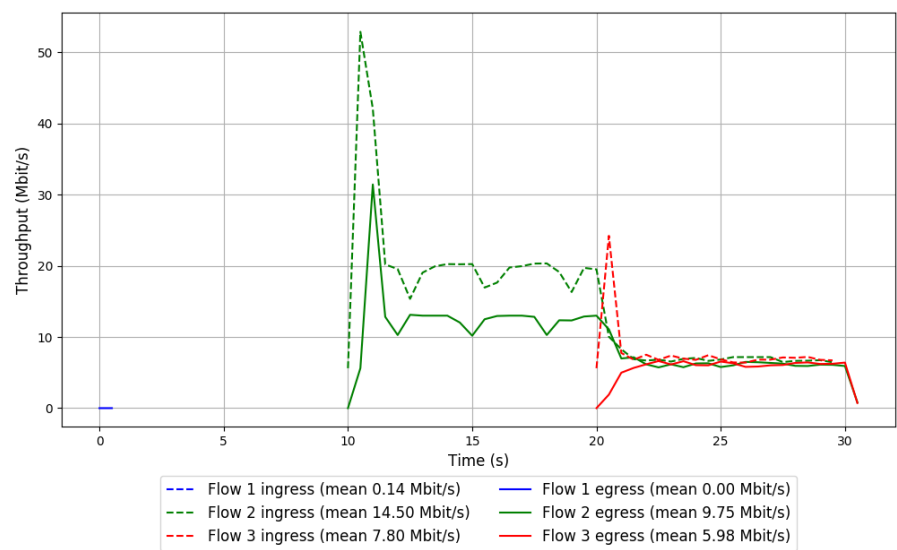


Run 5: Statistics of TaoVA-100x

Start at: 2018-12-02 06:38:33
End at: 2018-12-02 06:39:03
Local clock offset: -5.77 ms
Remote clock offset: -11.482 ms

Below is generated by plot.py at 2018-12-02 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 88.142 ms
Loss rate: 30.82%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.927 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 91.858 ms
Loss rate: 32.80%
-- Flow 3:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 82.341 ms
Loss rate: 23.42%

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

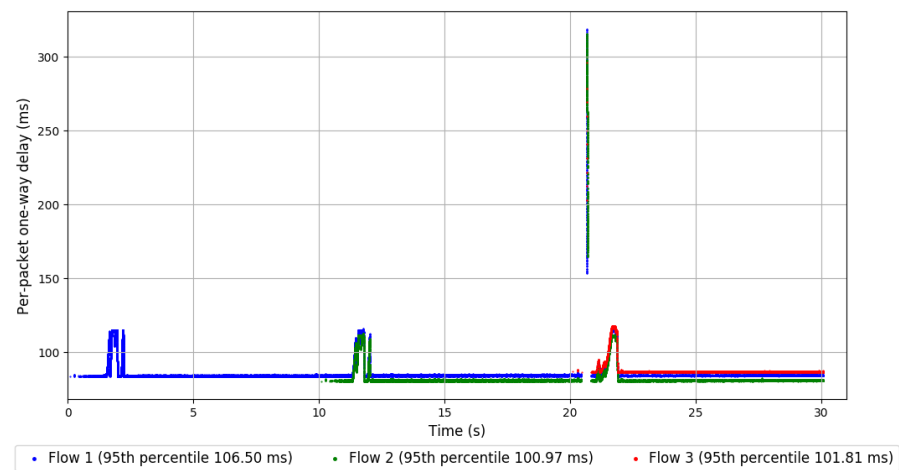
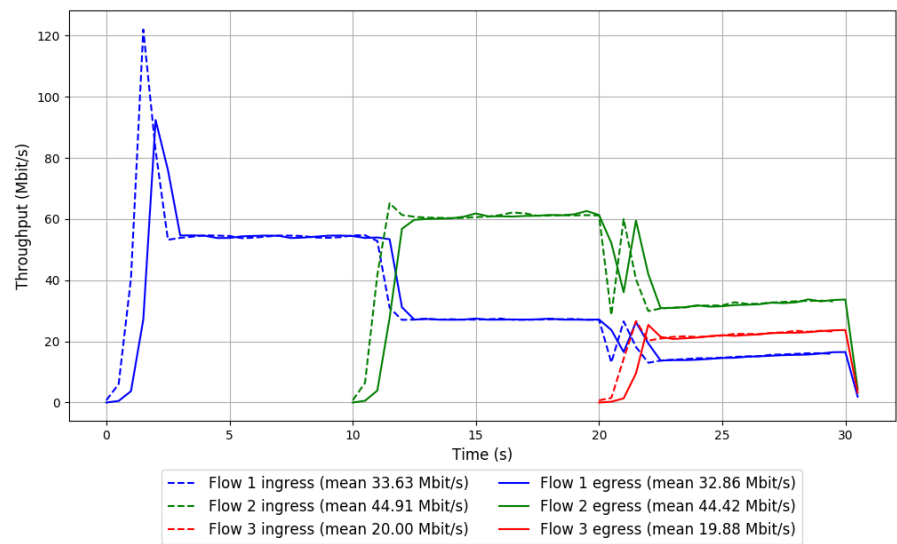


Run 1: Statistics of TCP Vegas

Start at: 2018-12-02 05:02:34
End at: 2018-12-02 05:03:04
Local clock offset: -1.874 ms
Remote clock offset: 19.144 ms

Below is generated by plot.py at 2018-12-02 06:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.06 Mbit/s
95th percentile per-packet one-way delay: 103.947 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 106.496 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 44.42 Mbit/s
95th percentile per-packet one-way delay: 100.967 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 101.809 ms
Loss rate: 0.63%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-12-02 05:26:49

End at: 2018-12-02 05:27:19

Local clock offset: -4.409 ms

Remote clock offset: 15.42 ms

Below is generated by plot.py at 2018-12-02 06:53:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.39 Mbit/s

95th percentile per-packet one-way delay: 109.819 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 41.72 Mbit/s

95th percentile per-packet one-way delay: 108.982 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 17.66 Mbit/s

95th percentile per-packet one-way delay: 108.461 ms

Loss rate: 0.52%

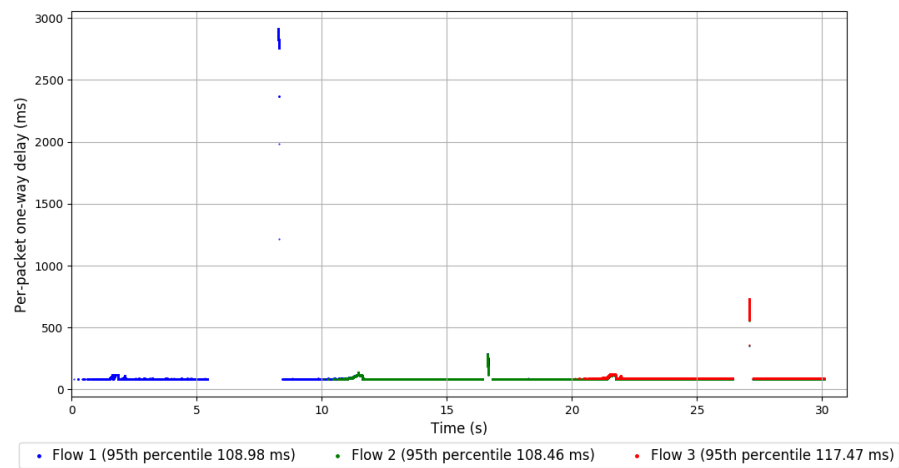
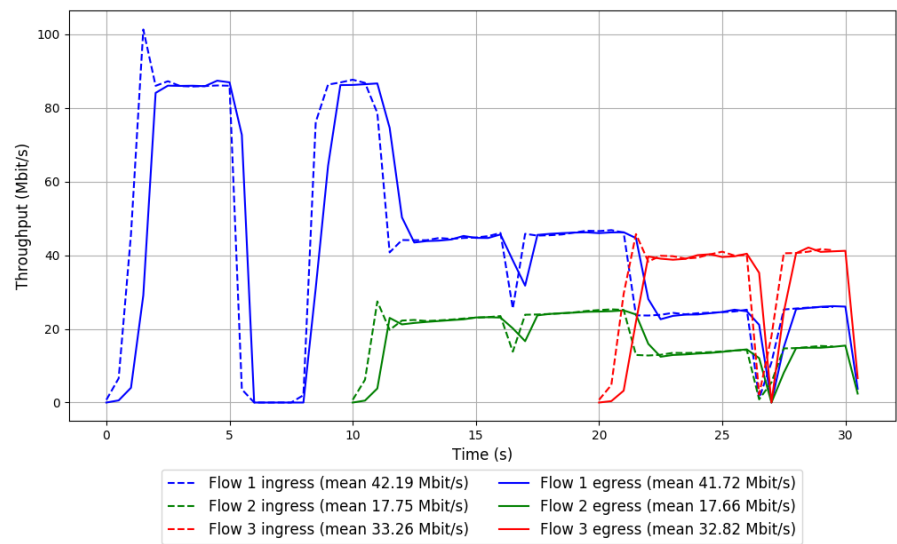
-- Flow 3:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 117.466 ms

Loss rate: 1.40%

Run 2: Report of TCP Vegas — Data Link

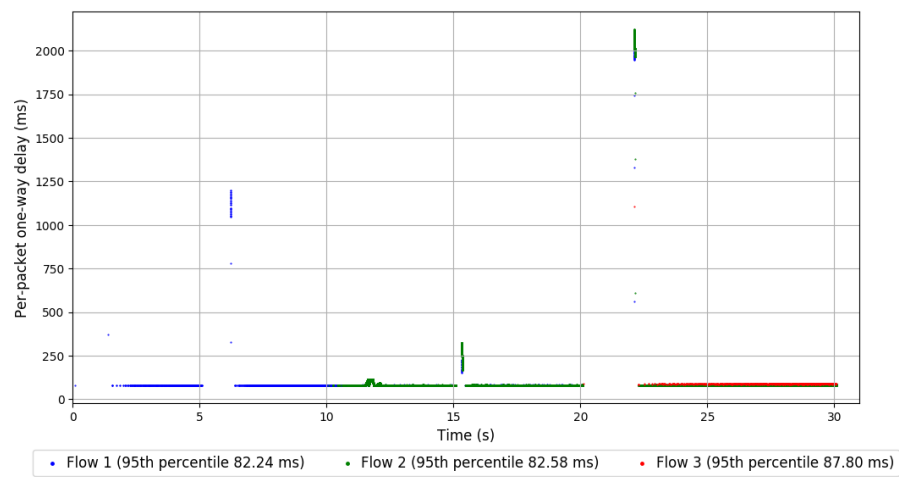
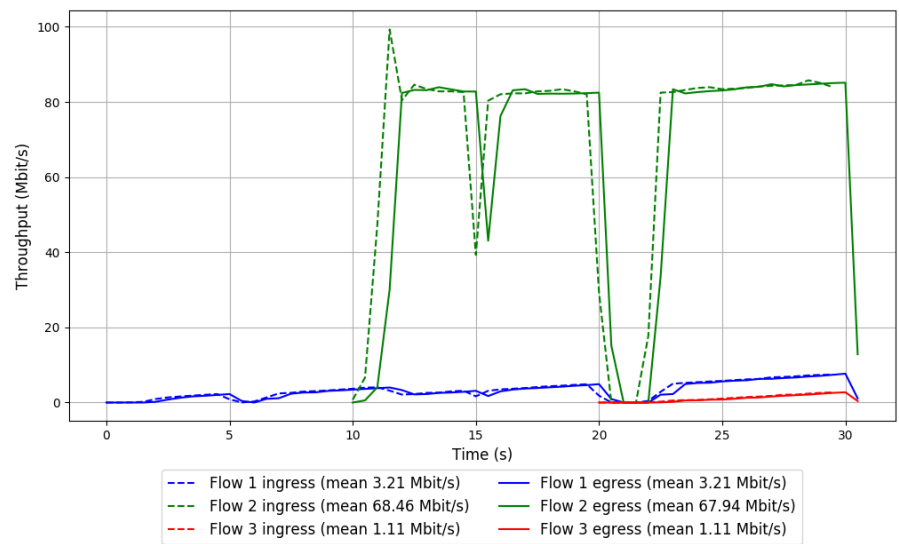


Run 3: Statistics of TCP Vegas

Start at: 2018-12-02 05:50:54
End at: 2018-12-02 05:51:24
Local clock offset: -4.12 ms
Remote clock offset: 14.441 ms

Below is generated by plot.py at 2018-12-02 06:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 86.586 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 82.242 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 67.94 Mbit/s
95th percentile per-packet one-way delay: 82.577 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 87.798 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-12-02 06:15:10

End at: 2018-12-02 06:15:40

Local clock offset: -0.349 ms

Remote clock offset: 4.909 ms

Below is generated by plot.py at 2018-12-02 06:53:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.58 Mbit/s

95th percentile per-packet one-way delay: 108.265 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 45.90 Mbit/s

95th percentile per-packet one-way delay: 109.451 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 17.20 Mbit/s

95th percentile per-packet one-way delay: 112.498 ms

Loss rate: 0.47%

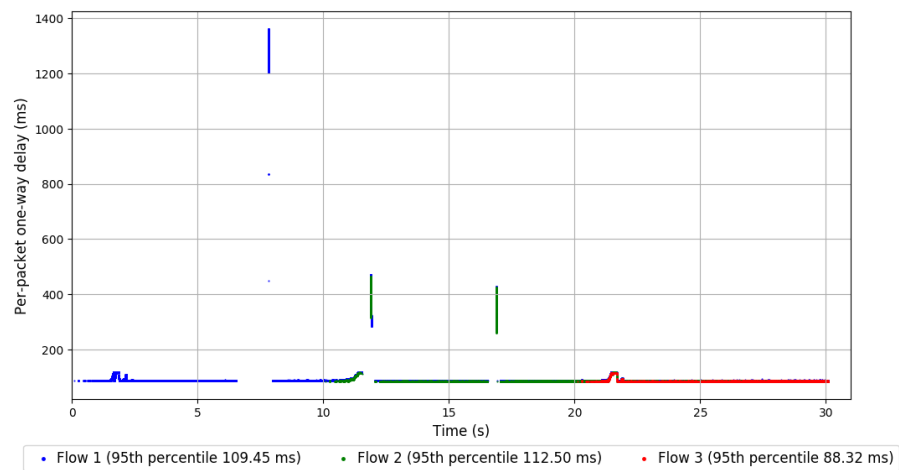
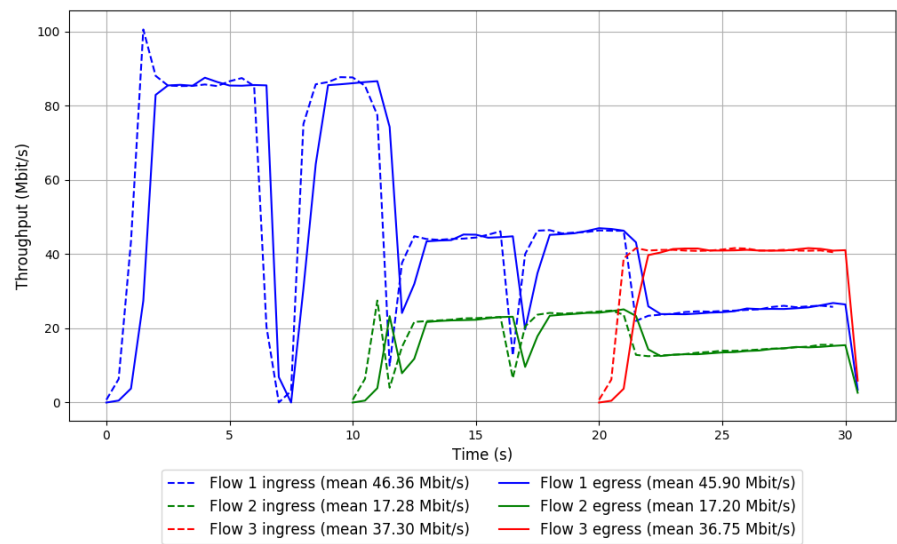
-- Flow 3:

Average throughput: 36.75 Mbit/s

95th percentile per-packet one-way delay: 88.317 ms

Loss rate: 1.46%

Run 4: Report of TCP Vegas — Data Link

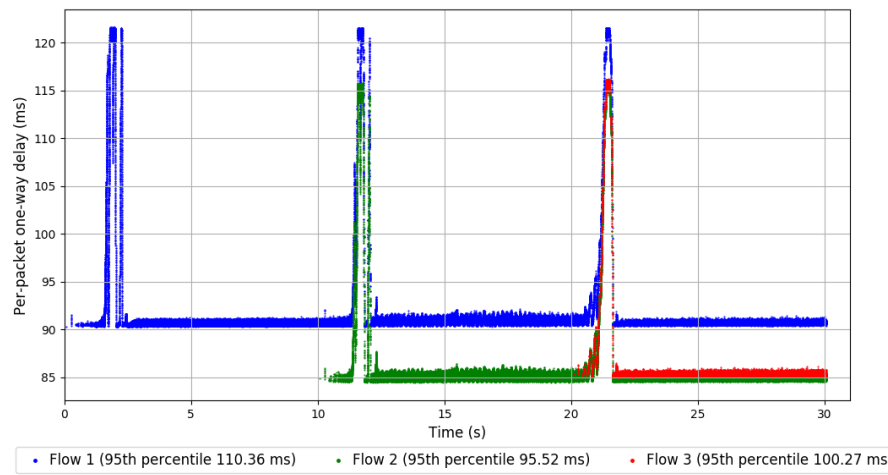
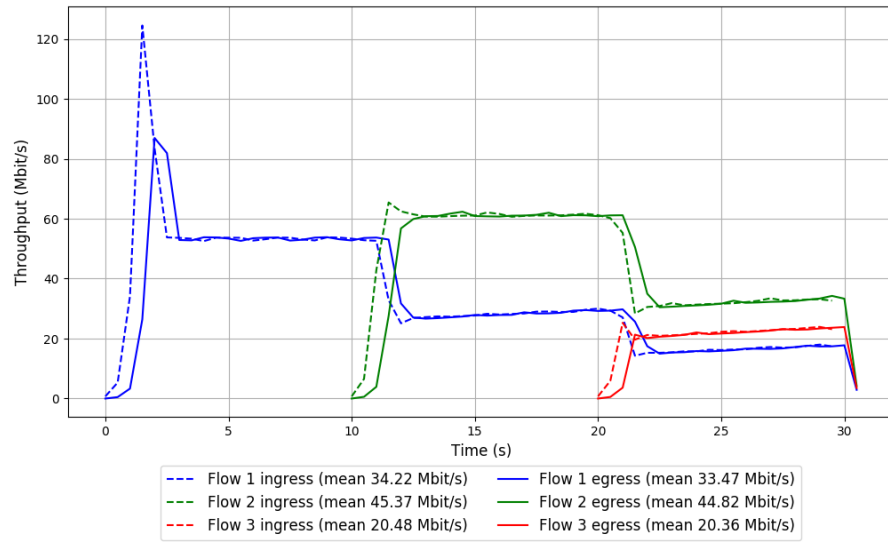


Run 5: Statistics of TCP Vegas

Start at: 2018-12-02 06:39:46
End at: 2018-12-02 06:40:16
Local clock offset: -5.874 ms
Remote clock offset: -9.376 ms

```
# Below is generated by plot.py at 2018-12-02 06:53:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 104.092 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 110.365 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 95.523 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 100.274 ms
Loss rate: 0.64%
```

Run 5: Report of TCP Vegas — Data Link

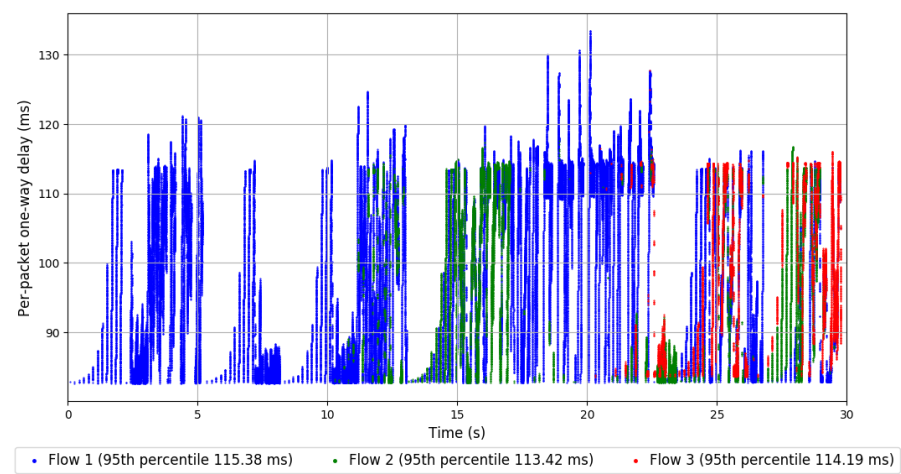
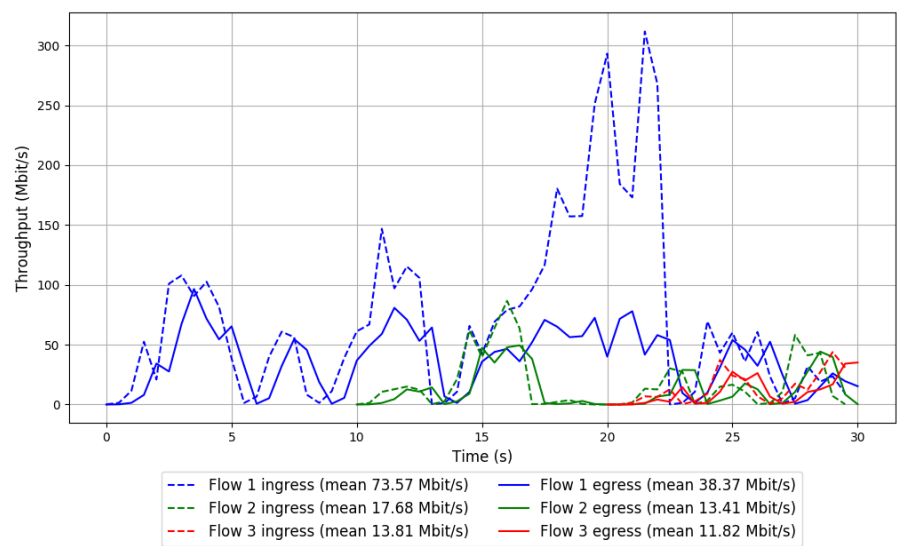


Run 1: Statistics of Verus

Start at: 2018-12-02 05:05:03
End at: 2018-12-02 05:05:33
Local clock offset: -2.249 ms
Remote clock offset: 17.157 ms

Below is generated by plot.py at 2018-12-02 06:53:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.05 Mbit/s
95th percentile per-packet one-way delay: 114.492 ms
Loss rate: 43.05%
-- Flow 1:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 115.381 ms
Loss rate: 47.81%
-- Flow 2:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 113.423 ms
Loss rate: 24.04%
-- Flow 3:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 114.188 ms
Loss rate: 14.53%

Run 1: Report of Verus — Data Link

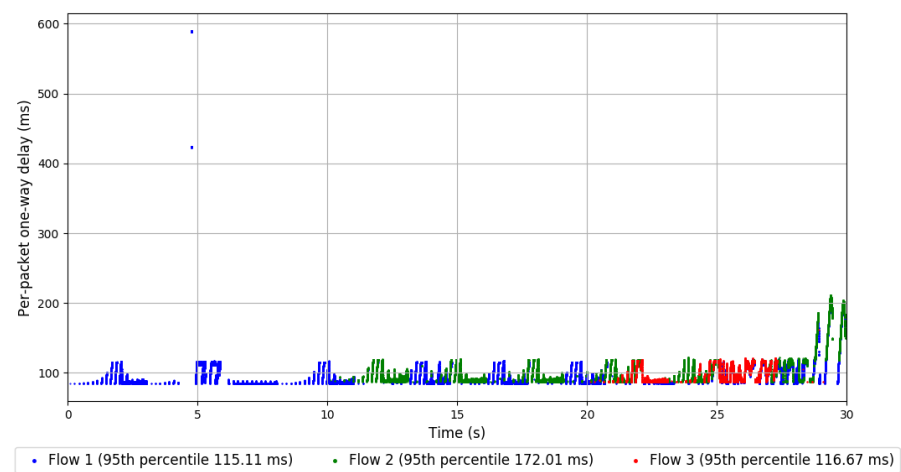
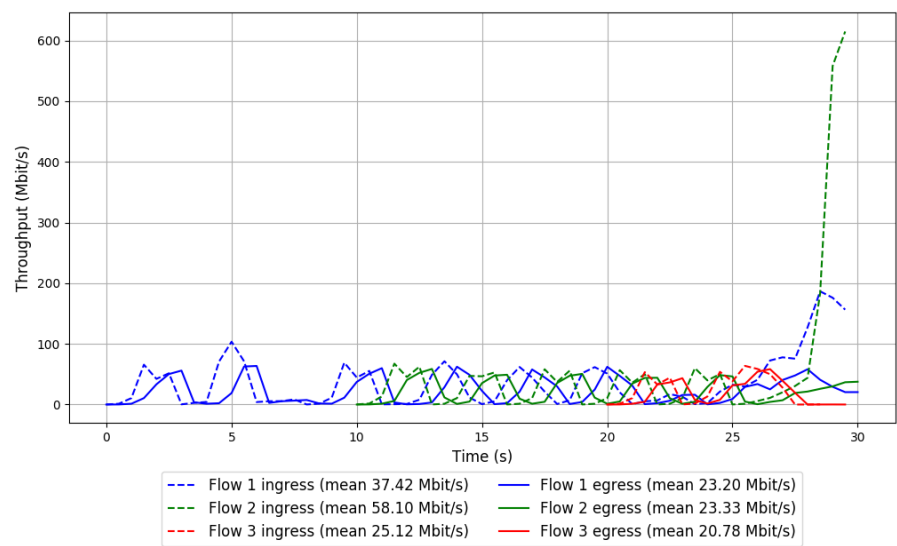


Run 2: Statistics of Verus

Start at: 2018-12-02 05:29:20
End at: 2018-12-02 05:29:50
Local clock offset: -4.145 ms
Remote clock offset: 19.156 ms

Below is generated by plot.py at 2018-12-02 06:53:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 118.691 ms
Loss rate: 46.11%
-- Flow 1:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 115.108 ms
Loss rate: 37.90%
-- Flow 2:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 172.015 ms
Loss rate: 59.73%
-- Flow 3:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 116.670 ms
Loss rate: 17.28%

Run 2: Report of Verus — Data Link

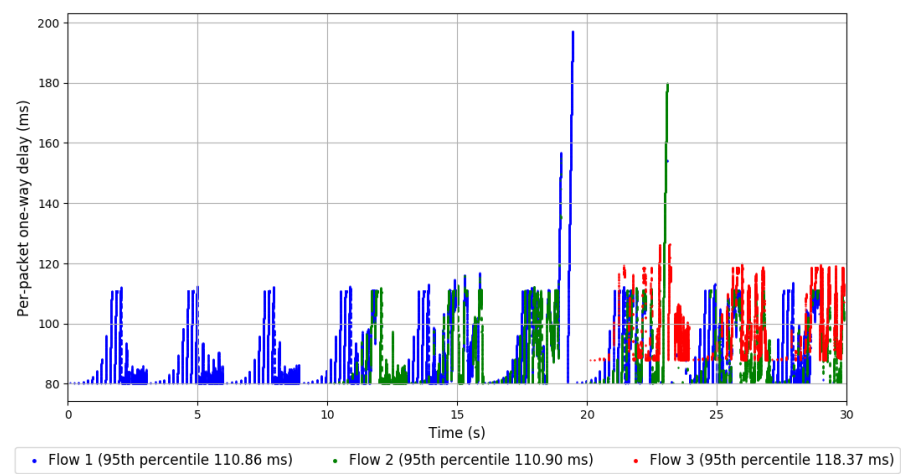
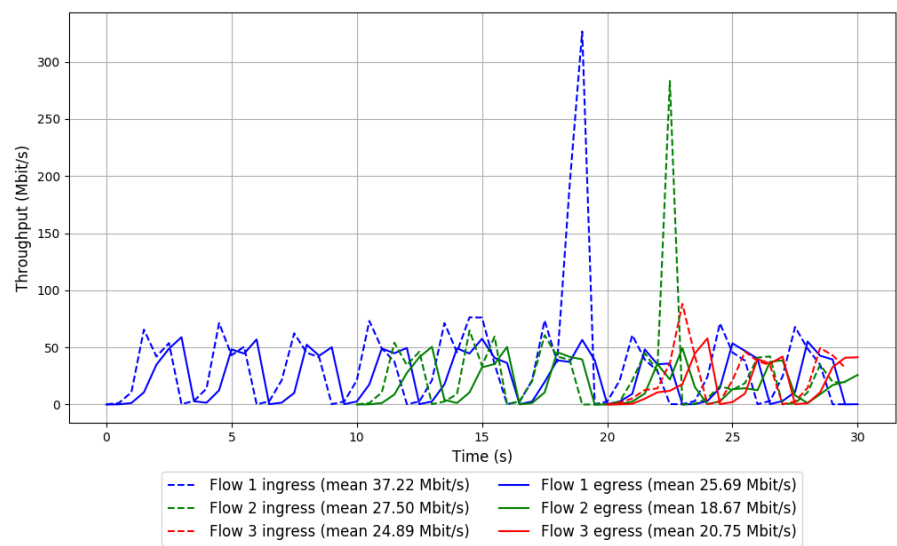


Run 3: Statistics of Verus

Start at: 2018-12-02 05:53:21
End at: 2018-12-02 05:53:51
Local clock offset: -3.918 ms
Remote clock offset: 13.354 ms

Below is generated by plot.py at 2018-12-02 06:53:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 115.685 ms
Loss rate: 29.38%
-- Flow 1:
Average throughput: 25.69 Mbit/s
95th percentile per-packet one-way delay: 110.864 ms
Loss rate: 30.91%
-- Flow 2:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 110.898 ms
Loss rate: 32.02%
-- Flow 3:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 118.368 ms
Loss rate: 16.53%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-12-02 06:17:41

End at: 2018-12-02 06:18:12

Local clock offset: 0.539 ms

Remote clock offset: 3.782 ms

Below is generated by plot.py at 2018-12-02 06:53:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.26 Mbit/s

95th percentile per-packet one-way delay: 2056.477 ms

Loss rate: 39.71%

-- Flow 1:

Average throughput: 5.68 Mbit/s

95th percentile per-packet one-way delay: 1436.030 ms

Loss rate: 6.44%

-- Flow 2:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 1451.050 ms

Loss rate: 1.72%

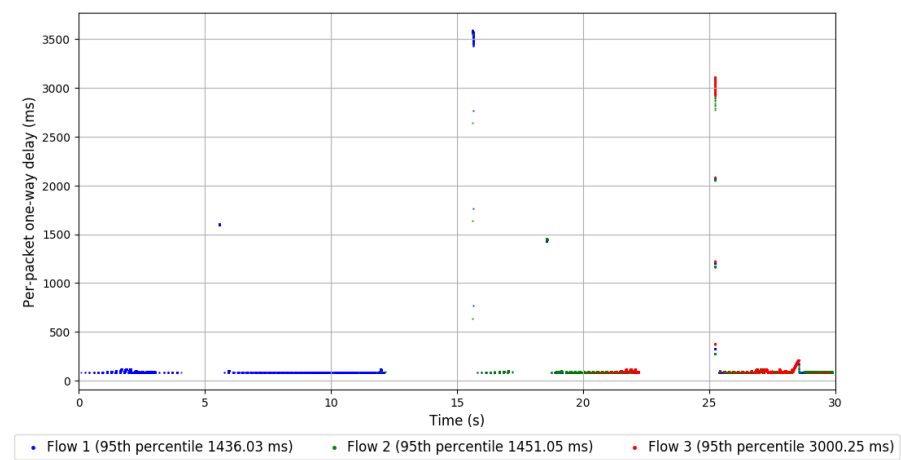
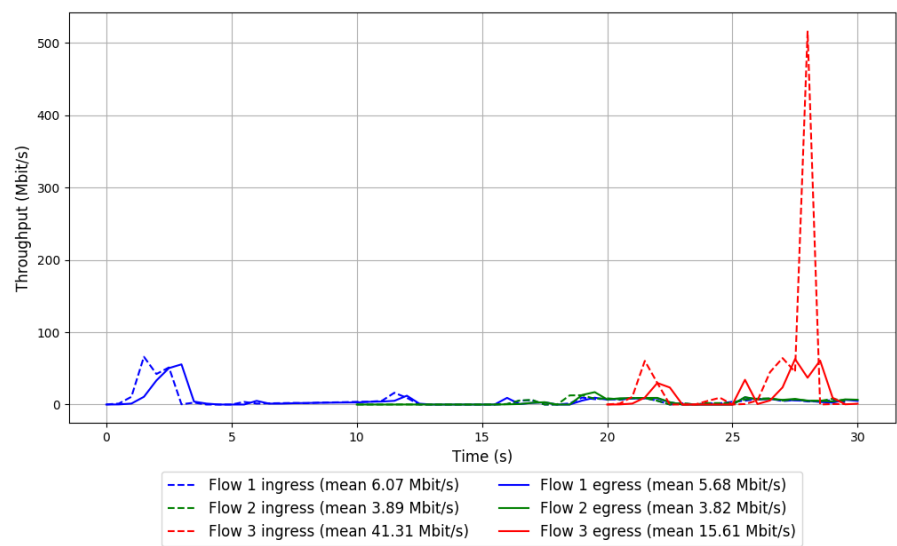
-- Flow 3:

Average throughput: 15.61 Mbit/s

95th percentile per-packet one-way delay: 3000.253 ms

Loss rate: 62.21%

Run 4: Report of Verus — Data Link

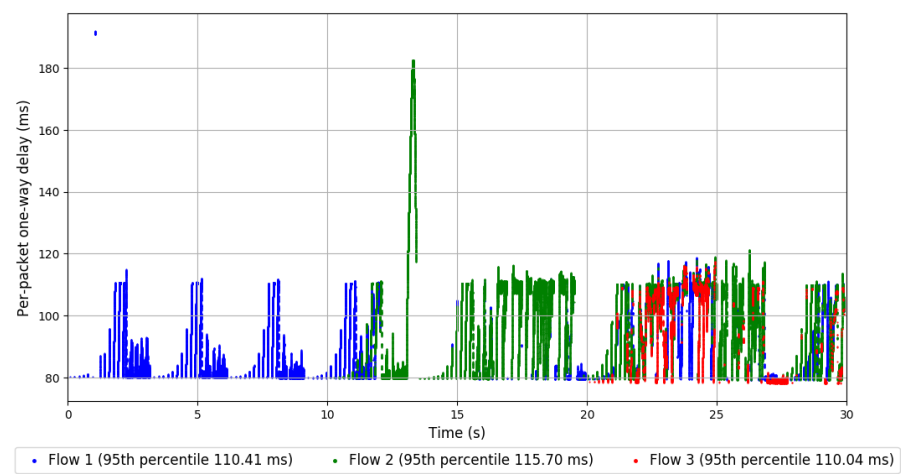
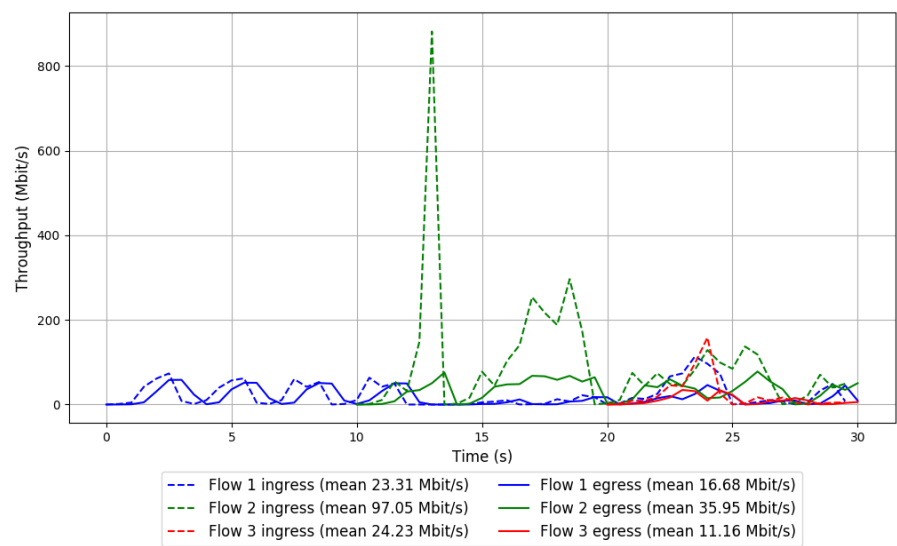


Run 5: Statistics of Verus

Start at: 2018-12-02 06:42:15
End at: 2018-12-02 06:42:45
Local clock offset: -6.102 ms
Remote clock offset: -13.665 ms

Below is generated by plot.py at 2018-12-02 06:53:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.22 Mbit/s
95th percentile per-packet one-way delay: 111.979 ms
Loss rate: 53.75%
-- Flow 1:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 110.411 ms
Loss rate: 28.40%
-- Flow 2:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 115.701 ms
Loss rate: 62.92%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 110.039 ms
Loss rate: 53.81%

Run 5: Report of Verus — Data Link

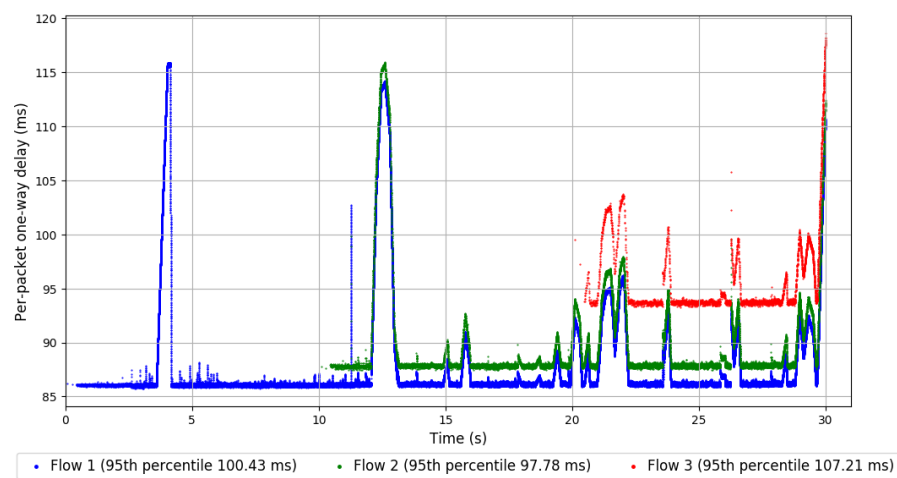
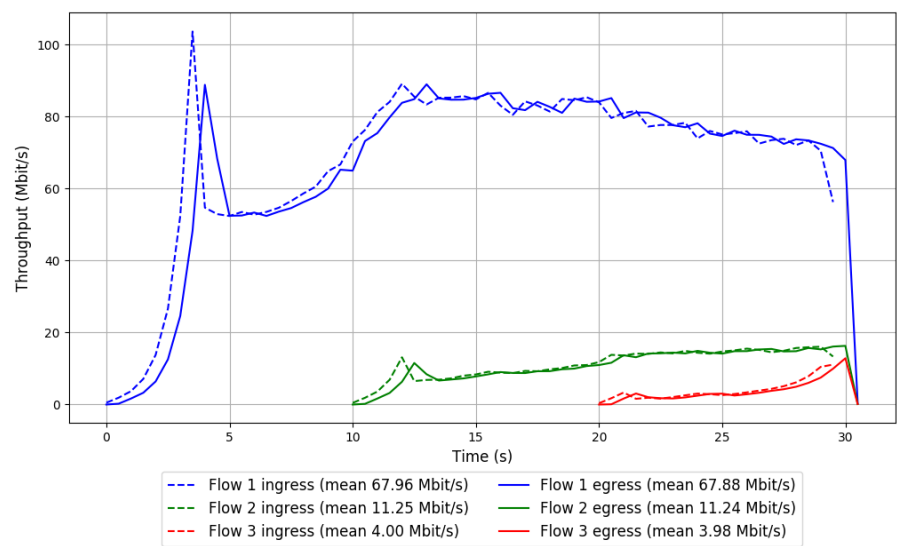


Run 1: Statistics of PCC-Vivace

Start at: 2018-12-02 04:47:11
End at: 2018-12-02 04:47:41
Local clock offset: -7.842 ms
Remote clock offset: 28.128 ms

Below is generated by plot.py at 2018-12-02 06:53:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.67 Mbit/s
95th percentile per-packet one-way delay: 100.839 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 100.434 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 97.780 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 107.209 ms
Loss rate: 0.23%

Run 1: Report of PCC-Vivace — Data Link

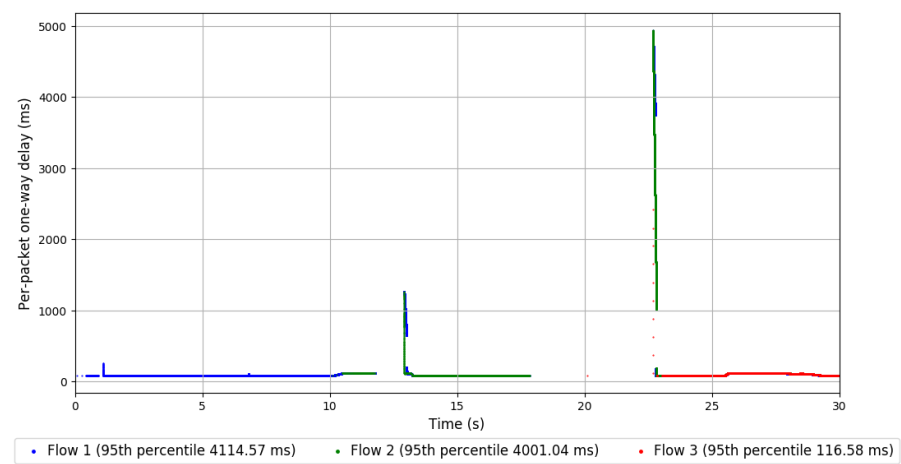
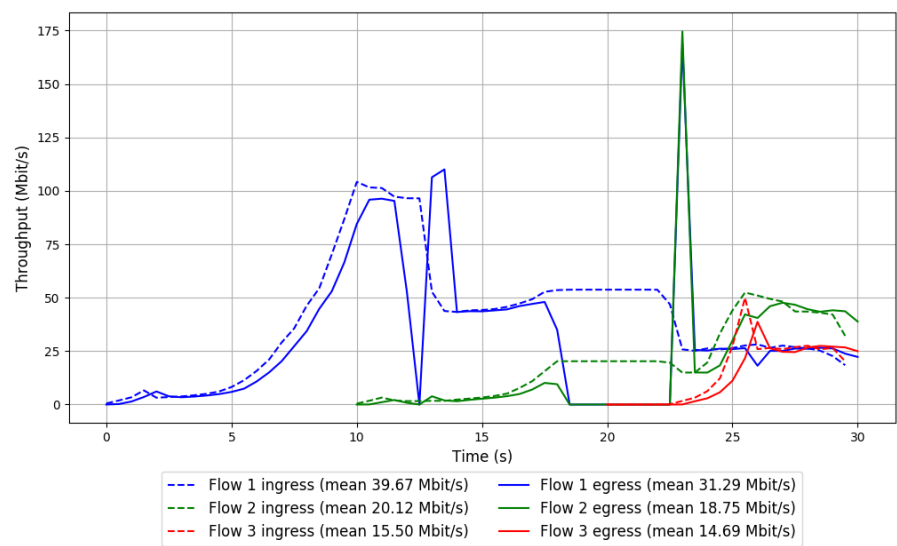


Run 2: Statistics of PCC-Vivace

Start at: 2018-12-02 05:11:25
End at: 2018-12-02 05:11:55
Local clock offset: -1.512 ms
Remote clock offset: 20.769 ms

Below is generated by plot.py at 2018-12-02 06:53:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 3990.436 ms
Loss rate: 16.43%
-- Flow 1:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 4114.566 ms
Loss rate: 21.11%
-- Flow 2:
Average throughput: 18.75 Mbit/s
95th percentile per-packet one-way delay: 4001.041 ms
Loss rate: 6.85%
-- Flow 3:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 116.579 ms
Loss rate: 5.24%

Run 2: Report of PCC-Vivace — Data Link

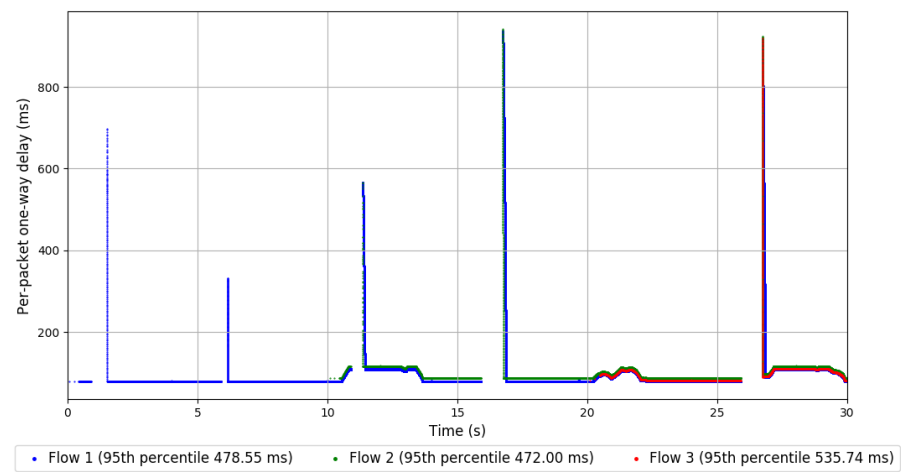
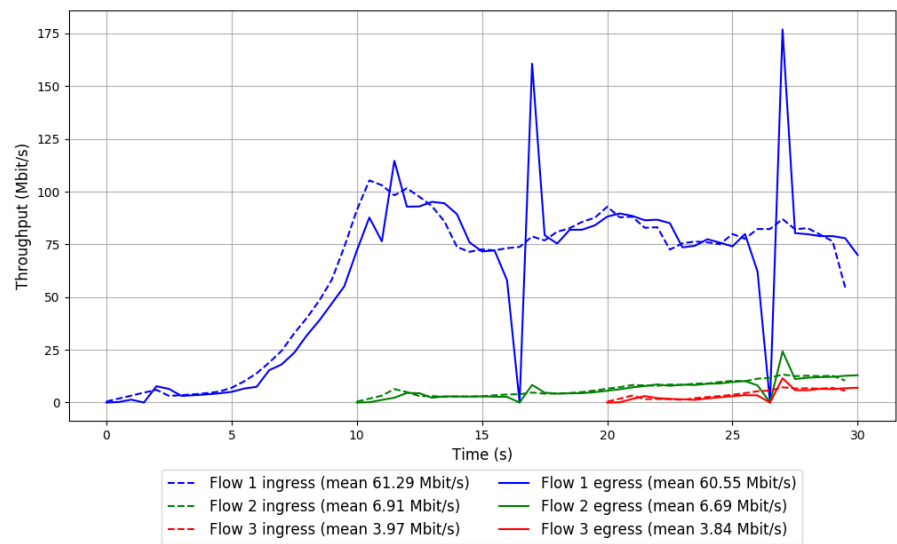


Run 3: Statistics of PCC-Vivace

Start at: 2018-12-02 05:35:35
End at: 2018-12-02 05:36:05
Local clock offset: -5.024 ms
Remote clock offset: 13.932 ms

Below is generated by plot.py at 2018-12-02 06:53:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 479.250 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 478.549 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 471.998 ms
Loss rate: 3.15%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 535.743 ms
Loss rate: 3.49%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-12-02 05:59:37

End at: 2018-12-02 06:00:07

Local clock offset: -2.198 ms

Remote clock offset: 18.08 ms

Below is generated by plot.py at 2018-12-02 06:53:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.64 Mbit/s

95th percentile per-packet one-way delay: 122.418 ms

Loss rate: 4.53%

-- Flow 1:

Average throughput: 44.62 Mbit/s

95th percentile per-packet one-way delay: 621.440 ms

Loss rate: 6.45%

-- Flow 2:

Average throughput: 35.50 Mbit/s

95th percentile per-packet one-way delay: 116.539 ms

Loss rate: 1.17%

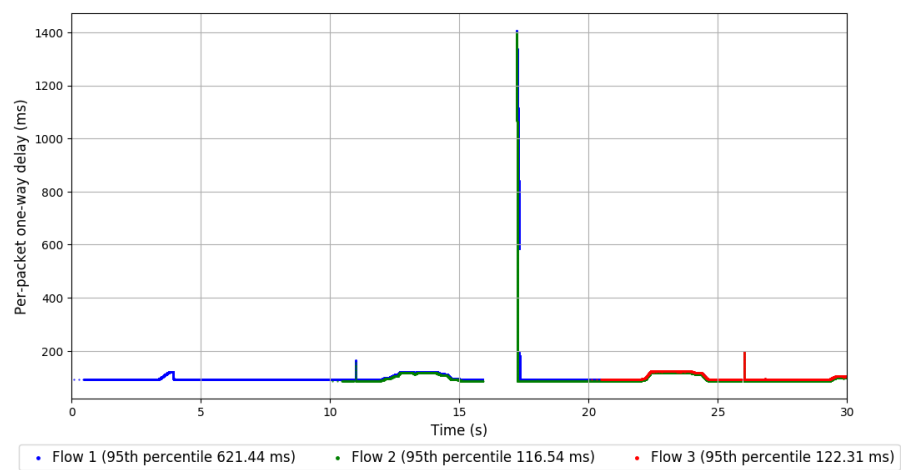
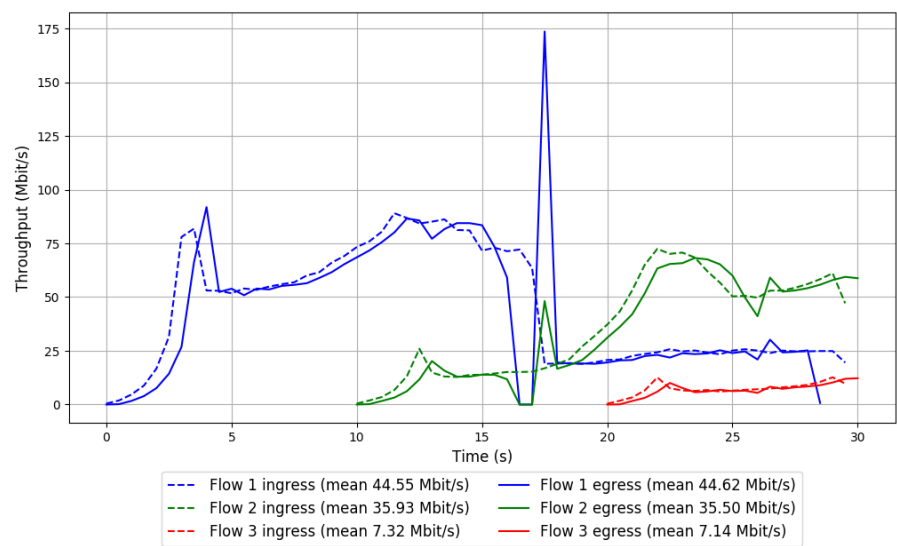
-- Flow 3:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 122.306 ms

Loss rate: 2.42%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-12-02 06:23:59

End at: 2018-12-02 06:24:29

Local clock offset: -2.744 ms

Remote clock offset: -1.19 ms

Below is generated by plot.py at 2018-12-02 06:53:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.94 Mbit/s

95th percentile per-packet one-way delay: 467.670 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 54.89 Mbit/s

95th percentile per-packet one-way delay: 535.517 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 14.24 Mbit/s

95th percentile per-packet one-way delay: 114.445 ms

Loss rate: 0.01%

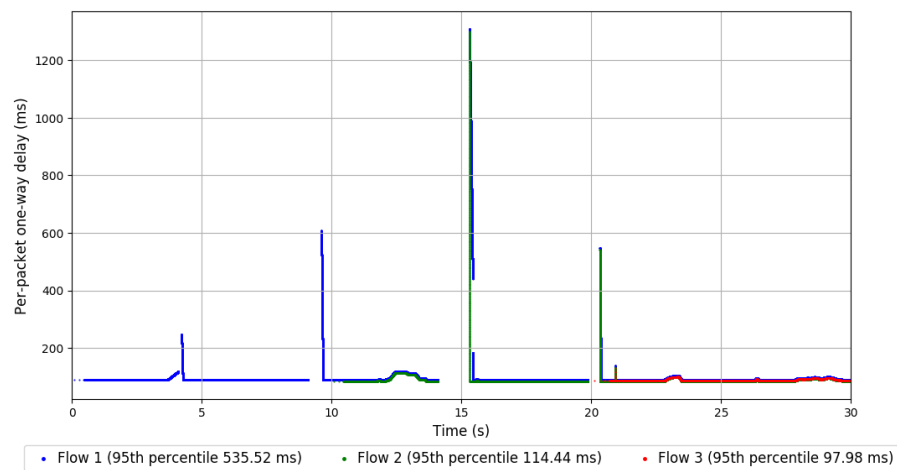
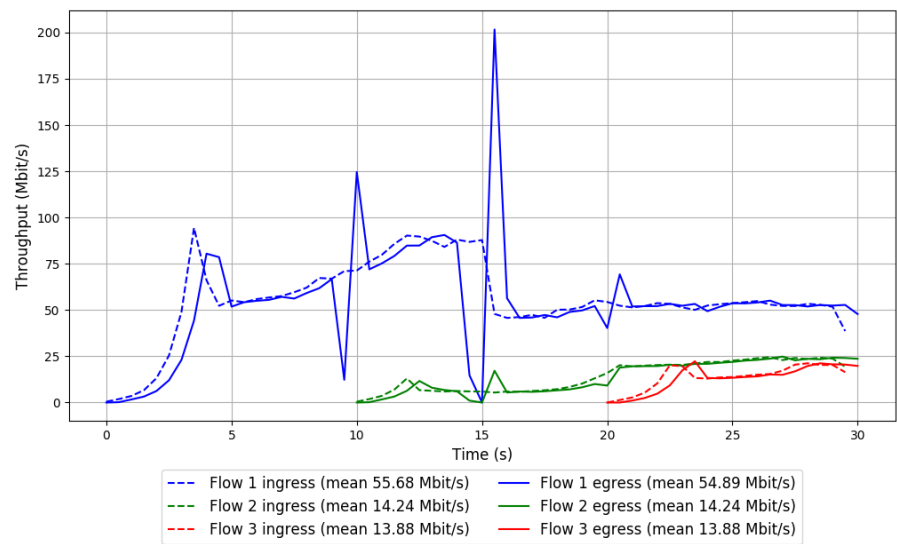
-- Flow 3:

Average throughput: 13.88 Mbit/s

95th percentile per-packet one-way delay: 97.981 ms

Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link

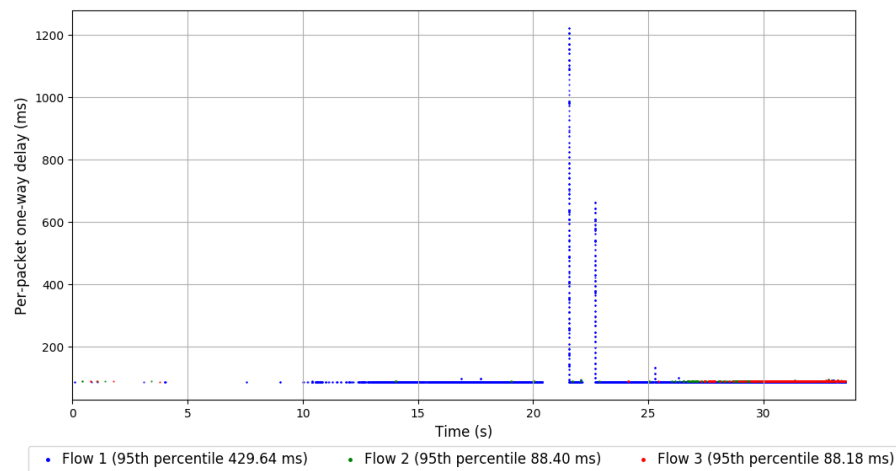
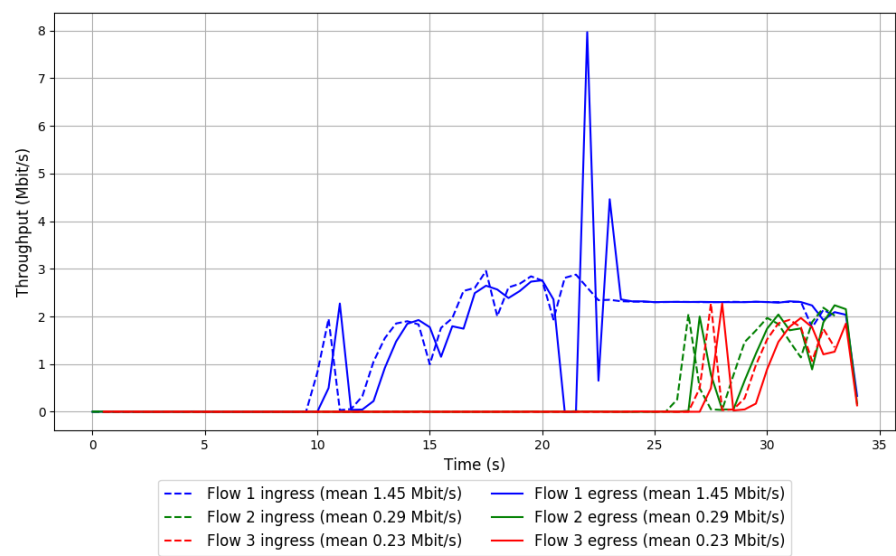


Run 1: Statistics of WebRTC media

Start at: 2018-12-02 05:03:50
End at: 2018-12-02 05:04:20
Local clock offset: -1.739 ms
Remote clock offset: 23.883 ms

Below is generated by plot.py at 2018-12-02 06:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 265.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 429.645 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 88.400 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 88.178 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

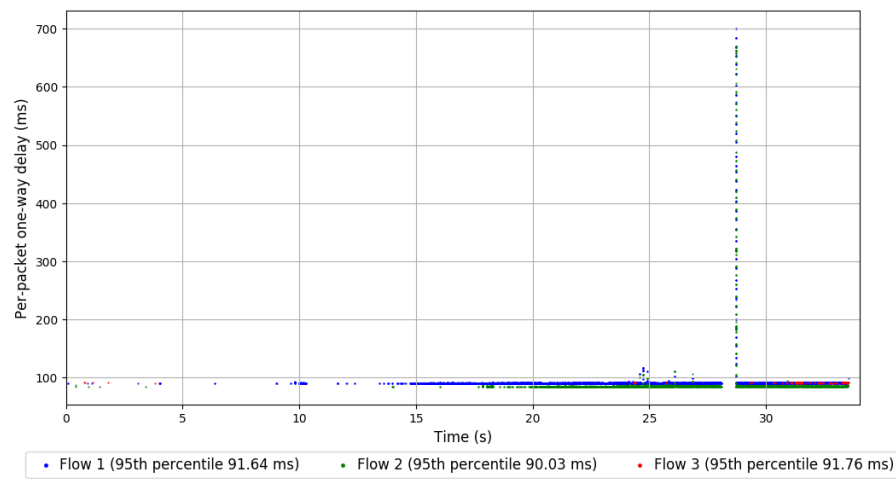
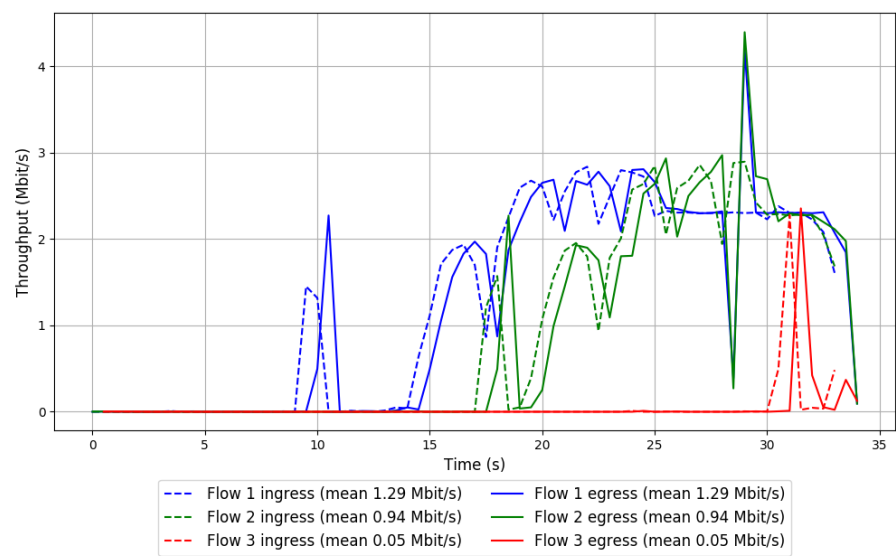


Run 2: Statistics of WebRTC media

Start at: 2018-12-02 05:28:07
End at: 2018-12-02 05:28:37
Local clock offset: -3.912 ms
Remote clock offset: 20.179 ms

Below is generated by plot.py at 2018-12-02 06:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 91.652 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 91.639 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 90.030 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 91.757 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

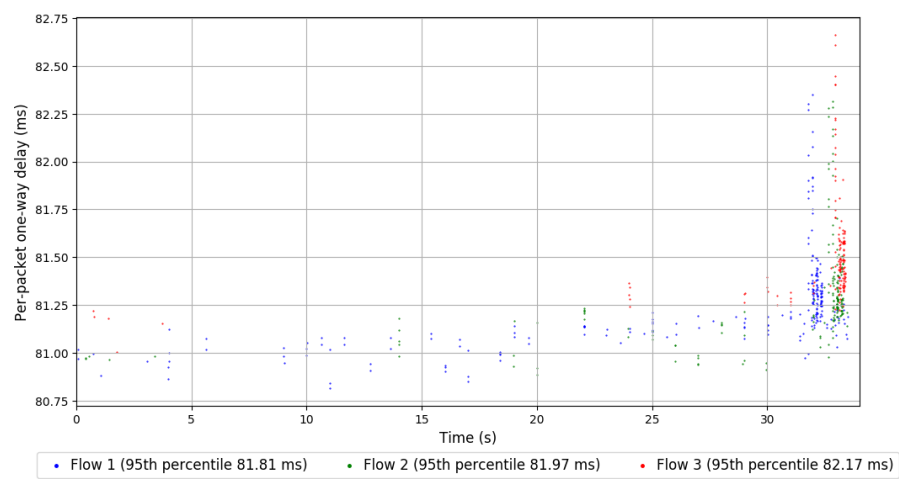
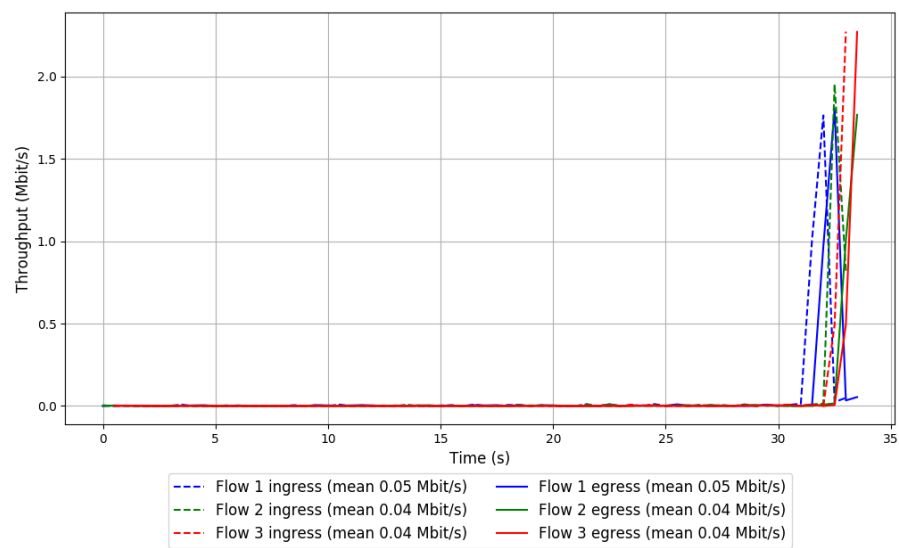


Run 3: Statistics of WebRTC media

Start at: 2018-12-02 05:52:09
End at: 2018-12-02 05:52:39
Local clock offset: -3.542 ms
Remote clock offset: 13.282 ms

Below is generated by plot.py at 2018-12-02 06:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 81.929 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 81.808 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 81.965 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 82.171 ms
Loss rate: 0.05%

Run 3: Report of WebRTC media — Data Link

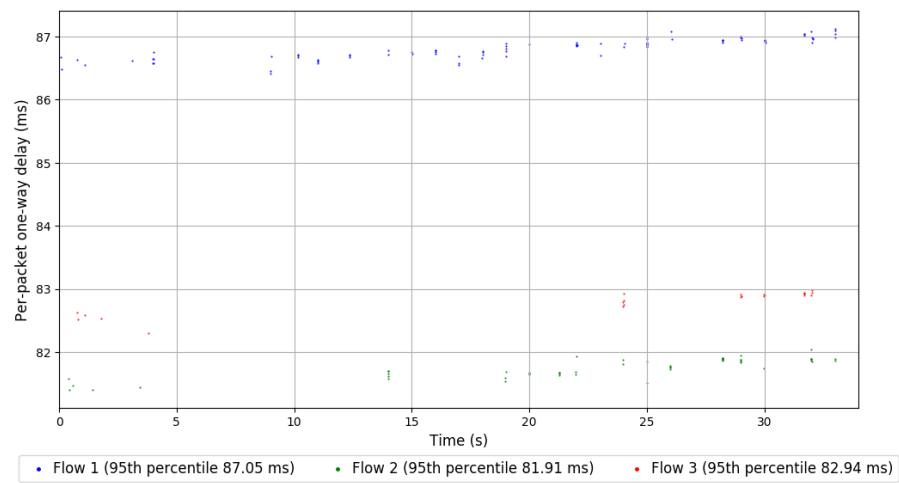
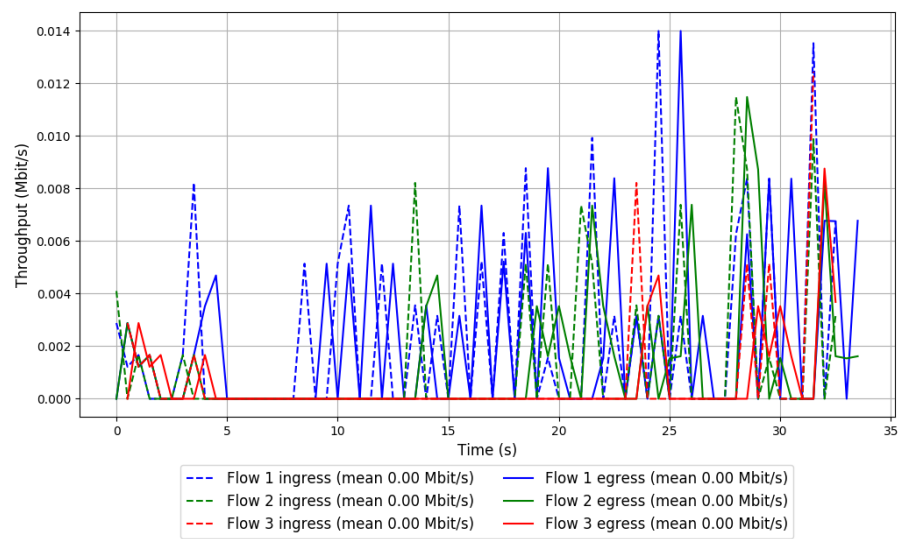


Run 4: Statistics of WebRTC media

Start at: 2018-12-02 06:16:29
End at: 2018-12-02 06:16:59
Local clock offset: -0.246 ms
Remote clock offset: -0.725 ms

```
# Below is generated by plot.py at 2018-12-02 06:53:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.045 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 81.908 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 82.941 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-12-02 06:41:03
End at: 2018-12-02 06:41:33
Local clock offset: -5.991 ms
Remote clock offset: -7.359 ms

Below is generated by plot.py at 2018-12-02 06:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 597.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 600.318 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 89.081 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 778.152 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

