

Pantheon Report

Generated at 2018-12-02 19:02:27 (UTC).

Data path: China on `eno1` (*remote*) → AWS Korea on `ens5` (*local*).

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 `ntp.nict.jp` and have been applied to correct the timestamps in logs.

System info:

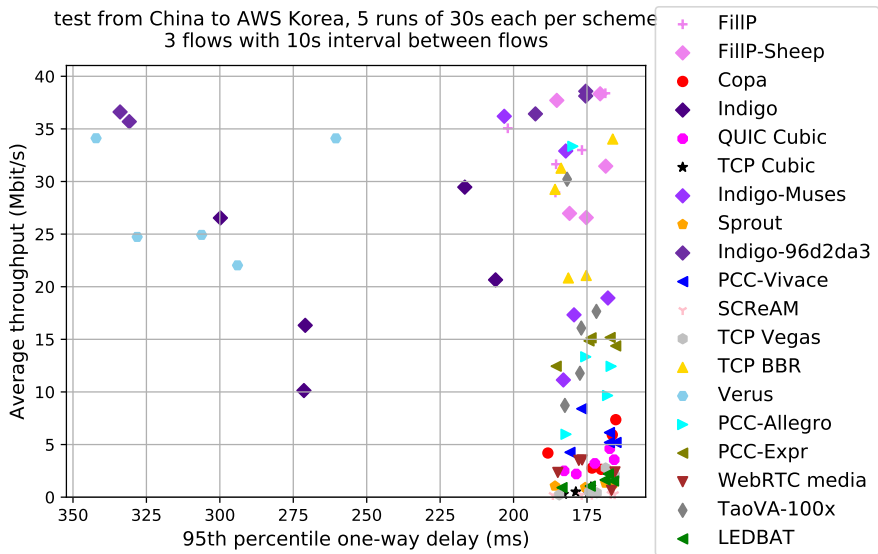
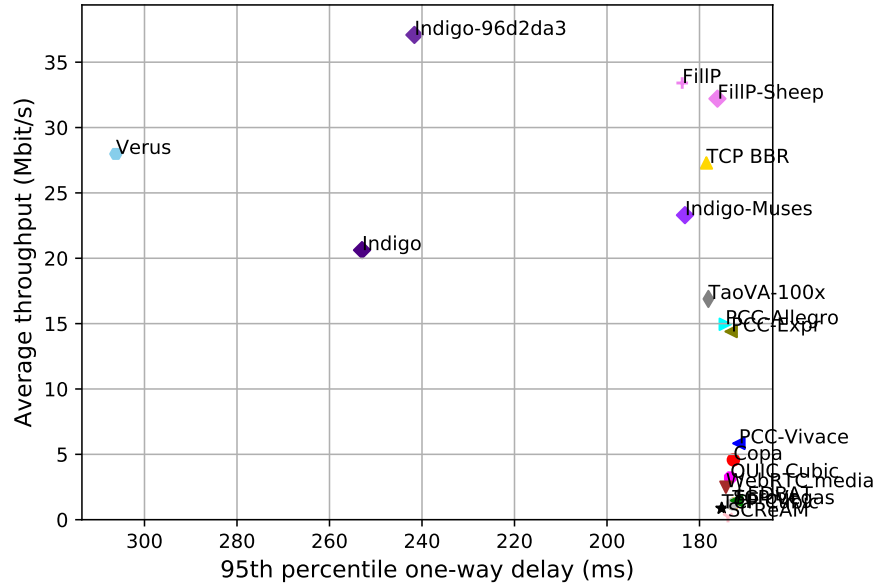
```
Linux 4.15.0-1027-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7b6dad87cde3ab65f7c4052140eb54098aa58e9d
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 China to AWS Korea, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



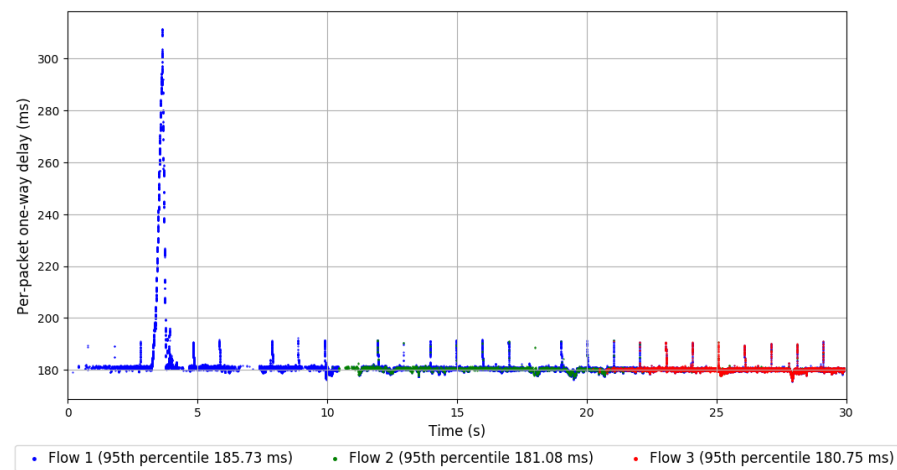
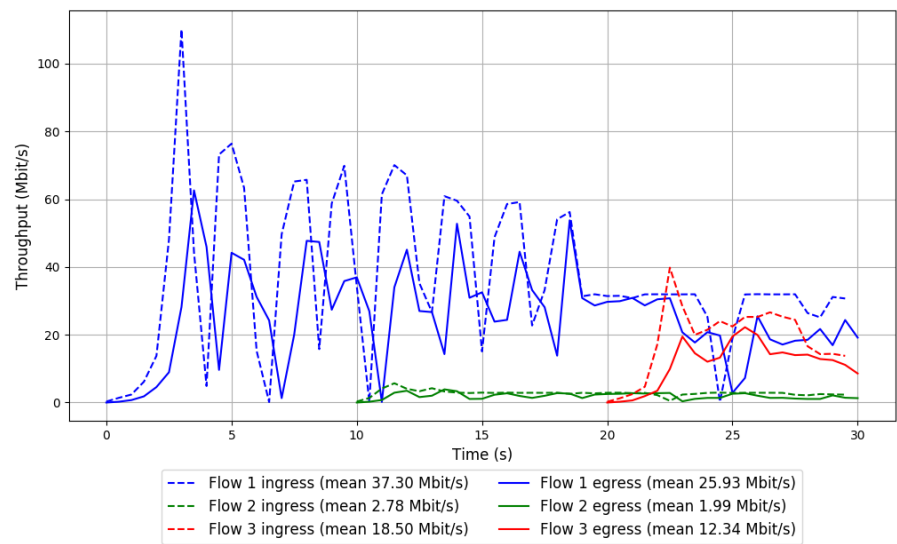
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	15.39	20.18	8.61	176.22	179.40	171.24	55.88	25.95	29.26
Copa	5	1.44	3.07	3.41	171.97	172.57	172.63	58.03	5.14	5.64
TCP Cubic	5	0.01	0.78	1.09	174.43	175.23	175.05	98.79	4.58	5.62
FillP	5	23.96	11.28	6.22	183.34	184.72	174.70	19.64	25.41	20.29
FillP-Sheep	5	23.27	10.83	5.37	176.45	174.32	173.47	12.24	14.93	14.39
Indigo	5	50.32	13.30	11.36	204.47	232.92	261.20	44.40	51.30	68.77
Indigo-96d2da3	5	23.24	16.12	10.17	240.46	241.21	249.72	58.68	61.27	65.00
LEDBAT	5	0.78	0.76	0.62	172.04	171.89	171.88	3.51	3.12	6.74
Indigo-Muses	5	12.49	11.73	9.34	184.78	179.14	179.57	13.17	16.45	19.30
PCC-Allegro	5	8.51	5.43	8.75	174.34	172.54	174.39	30.21	14.30	14.87
PCC-Expr	5	6.73	7.02	9.27	173.16	173.06	173.08	4.25	4.54	5.28
QUIC Cubic	5	1.39	1.95	1.63	173.37	173.20	173.10	3.00	3.41	4.28
SCReAM	5	0.11	0.13	0.15	173.54	173.86	174.02	2.81	2.93	4.41
Sprout	5	0.64	0.62	0.49	172.59	172.68	172.70	3.83	3.37	6.46
TaoVA-100x	5	6.73	11.29	8.29	177.22	177.77	179.87	5.20	6.59	7.06
TCP Vegas	5	0.54	0.42	1.37	172.35	172.97	172.92	41.22	4.77	5.20
Verus	5	16.71	13.35	10.73	309.15	287.41	272.67	45.13	46.39	39.49
PCC-Vivace	5	3.08	2.88	2.62	171.48	171.41	171.53	3.41	3.56	4.87
WebRTC media	5	1.41	0.88	0.22	174.12	174.22	174.24	21.69	3.92	23.20

Run 1: Statistics of TCP BBR

Start at: 2018-12-02 14:49:34
End at: 2018-12-02 14:50:04
Local clock offset: 0.542 ms
Remote clock offset: -15.809 ms

Below is generated by plot.py at 2018-12-02 18:59:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 183.828 ms
Loss rate: 31.52%
-- Flow 1:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 185.731 ms
Loss rate: 31.06%
-- Flow 2:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 181.080 ms
Loss rate: 29.50%
-- Flow 3:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 180.748 ms
Loss rate: 34.94%

Run 1: Report of TCP BBR — Data Link

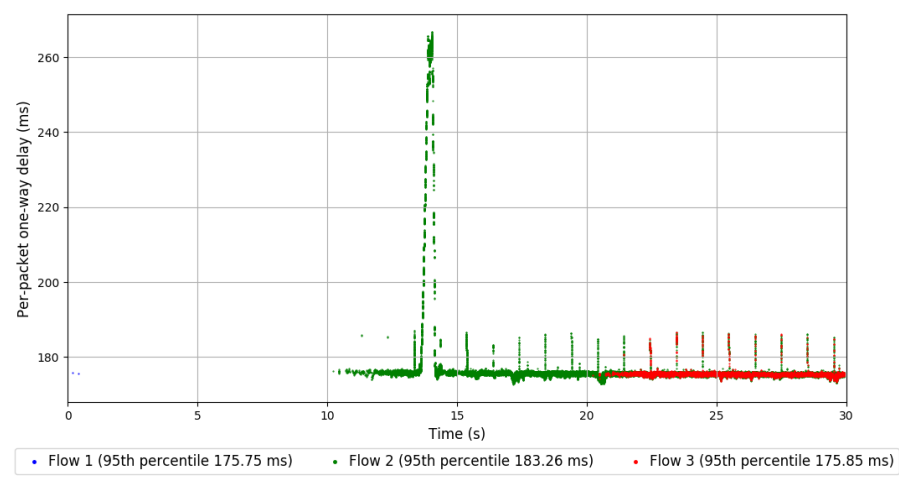
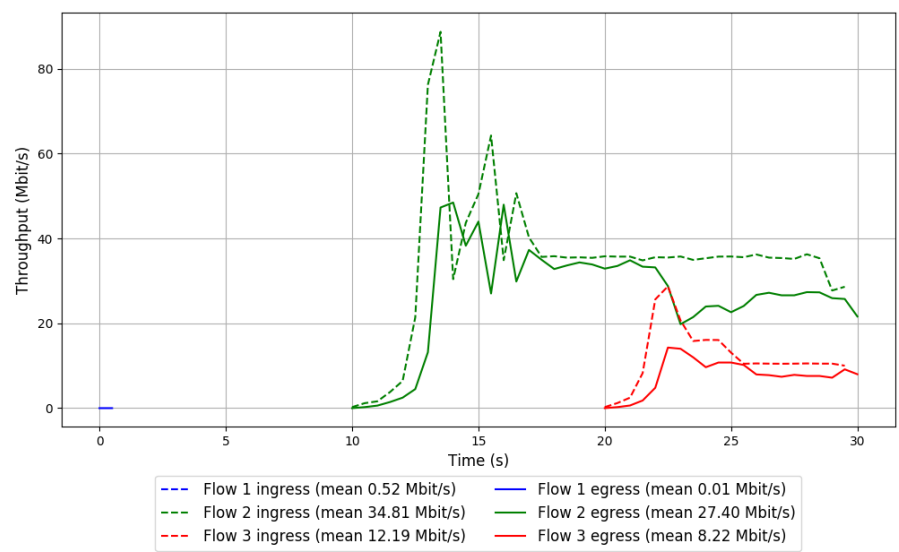


Run 2: Statistics of TCP BBR

Start at: 2018-12-02 15:47:32
End at: 2018-12-02 15:48:02
Local clock offset: 0.136 ms
Remote clock offset: 57.855 ms

Below is generated by plot.py at 2018-12-02 18:59:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 181.346 ms
Loss rate: 24.02%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 175.747 ms
Loss rate: 98.79%
-- Flow 2:
Average throughput: 27.40 Mbit/s
95th percentile per-packet one-way delay: 183.258 ms
Loss rate: 22.24%
-- Flow 3:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 175.854 ms
Loss rate: 34.14%

Run 2: Report of TCP BBR — Data Link

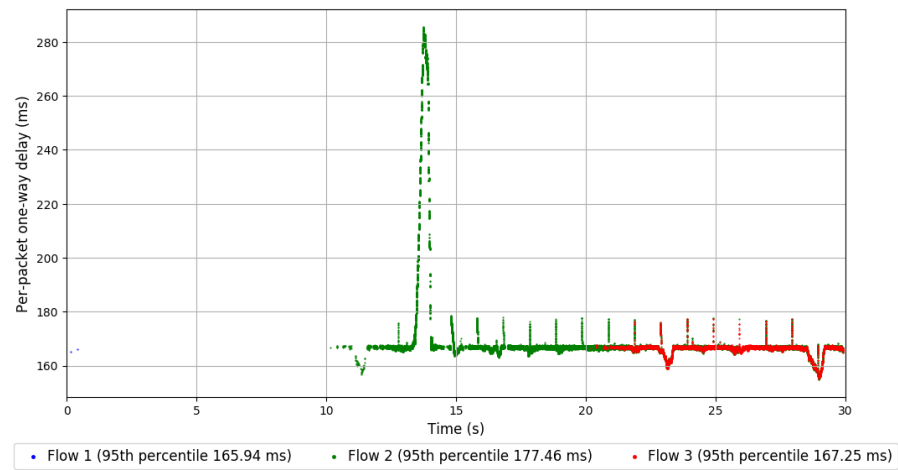
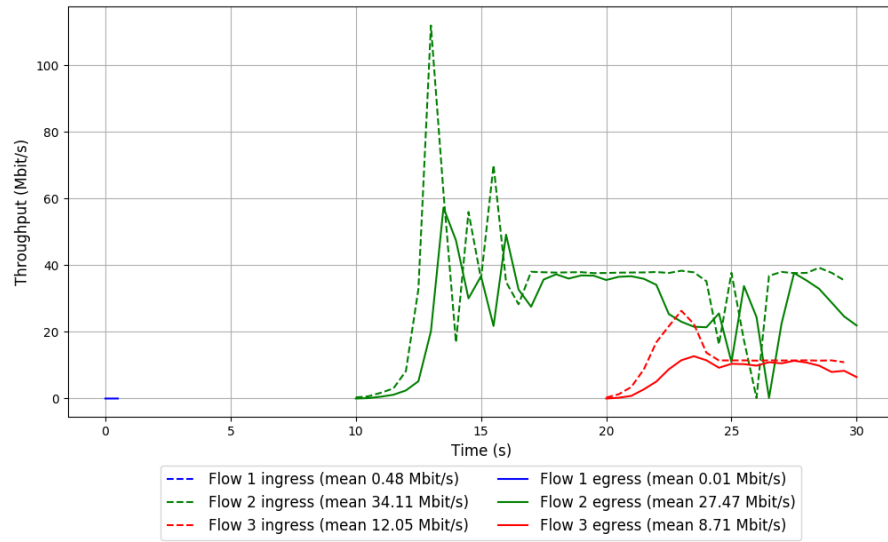


Run 3: Statistics of TCP BBR

Start at: 2018-12-02 16:46:08
End at: 2018-12-02 16:46:38
Local clock offset: 21.52 ms
Remote clock offset: 51.787 ms

Below is generated by plot.py at 2018-12-02 18:59:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 175.258 ms
Loss rate: 21.79%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 165.942 ms
Loss rate: 98.79%
-- Flow 2:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 177.463 ms
Loss rate: 20.43%
-- Flow 3:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 167.248 ms
Loss rate: 29.45%

Run 3: Report of TCP BBR — Data Link

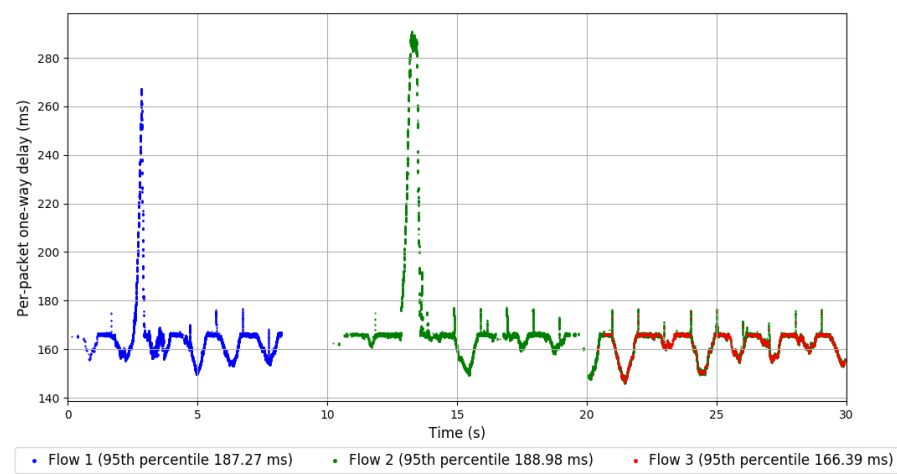
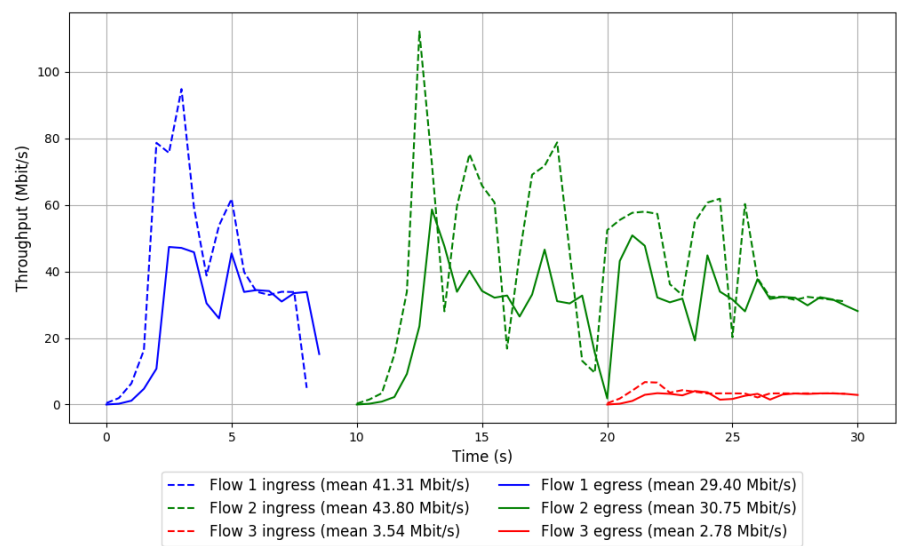


Run 4: Statistics of TCP BBR

Start at: 2018-12-02 17:41:47
End at: 2018-12-02 17:42:17
Local clock offset: -3.208 ms
Remote clock offset: 31.747 ms

Below is generated by plot.py at 2018-12-02 18:59:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 185.883 ms
Loss rate: 29.90%
-- Flow 1:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 187.270 ms
Loss rate: 28.86%
-- Flow 2:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 188.978 ms
Loss rate: 30.57%
-- Flow 3:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 166.393 ms
Loss rate: 22.98%

Run 4: Report of TCP BBR — Data Link

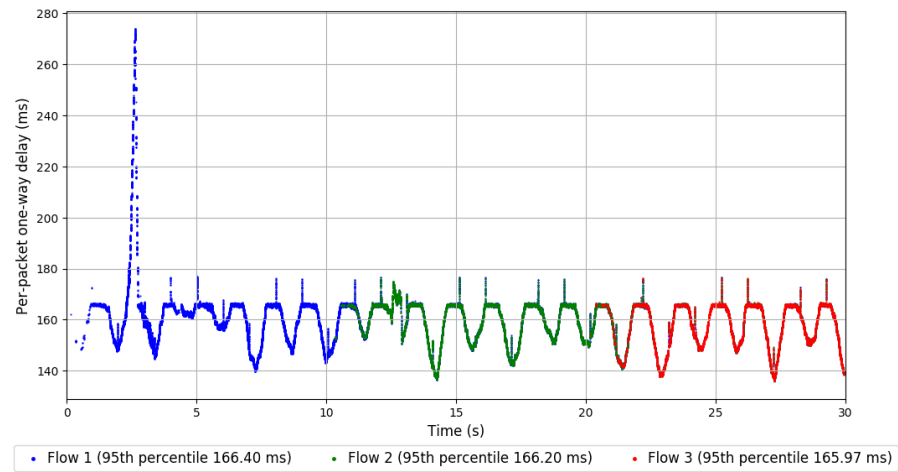
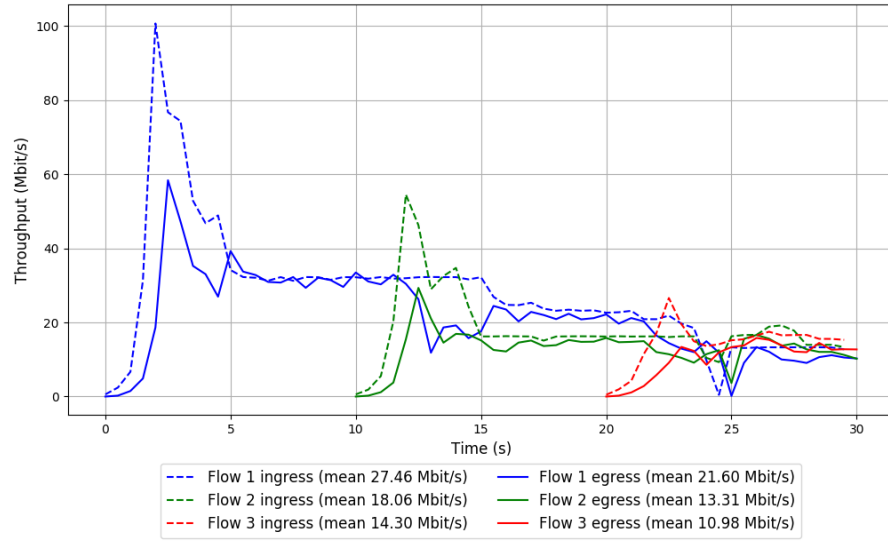


Run 5: Statistics of TCP BBR

Start at: 2018-12-02 18:27:49
End at: 2018-12-02 18:28:19
Local clock offset: 25.756 ms
Remote clock offset: 10.088 ms

Below is generated by plot.py at 2018-12-02 18:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 166.235 ms
Loss rate: 23.60%
-- Flow 1:
Average throughput: 21.60 Mbit/s
95th percentile per-packet one-way delay: 166.398 ms
Loss rate: 21.89%
-- Flow 2:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 166.196 ms
Loss rate: 27.02%
-- Flow 3:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 165.972 ms
Loss rate: 24.81%

Run 5: Report of TCP BBR — Data Link

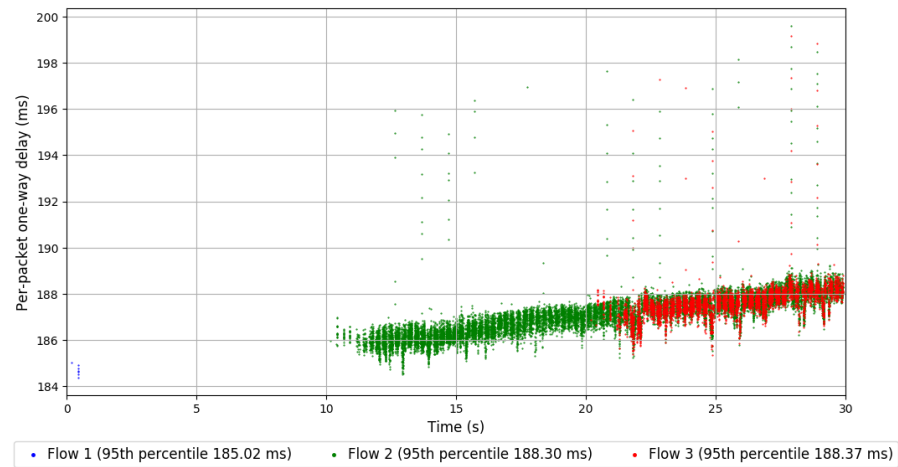
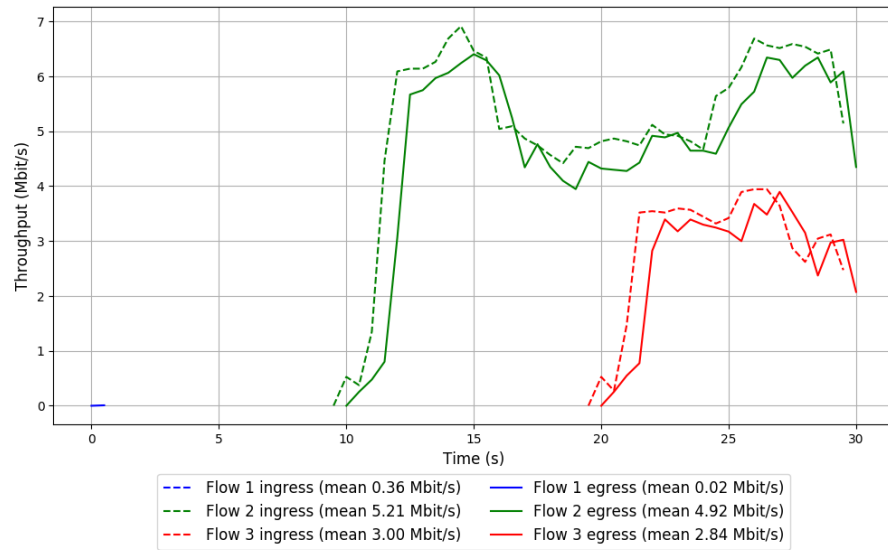


Run 1: Statistics of Copa

Start at: 2018-12-02 15:10:34
End at: 2018-12-02 15:11:04
Local clock offset: 2.525 ms
Remote clock offset: -31.193 ms

Below is generated by plot.py at 2018-12-02 18:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 188.317 ms
Loss rate: 7.05%
-- Flow 1:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 185.022 ms
Loss rate: 95.42%
-- Flow 2:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 188.296 ms
Loss rate: 6.83%
-- Flow 3:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 188.366 ms
Loss rate: 7.55%

Run 1: Report of Copa — Data Link

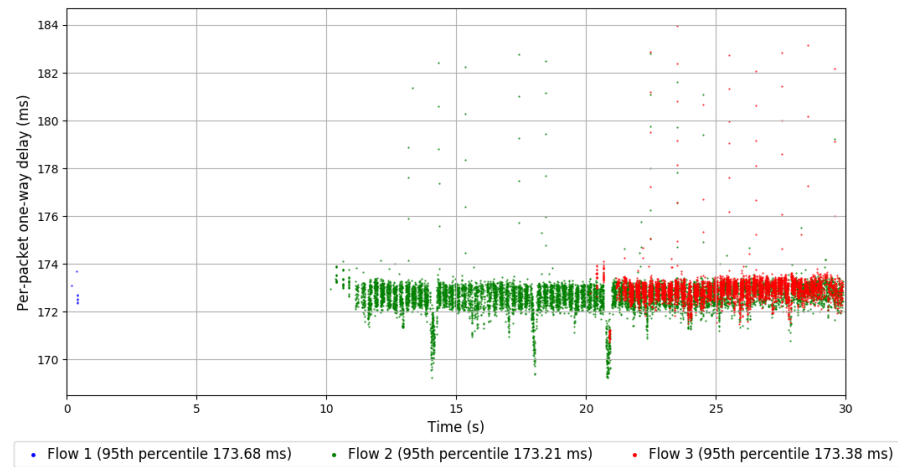
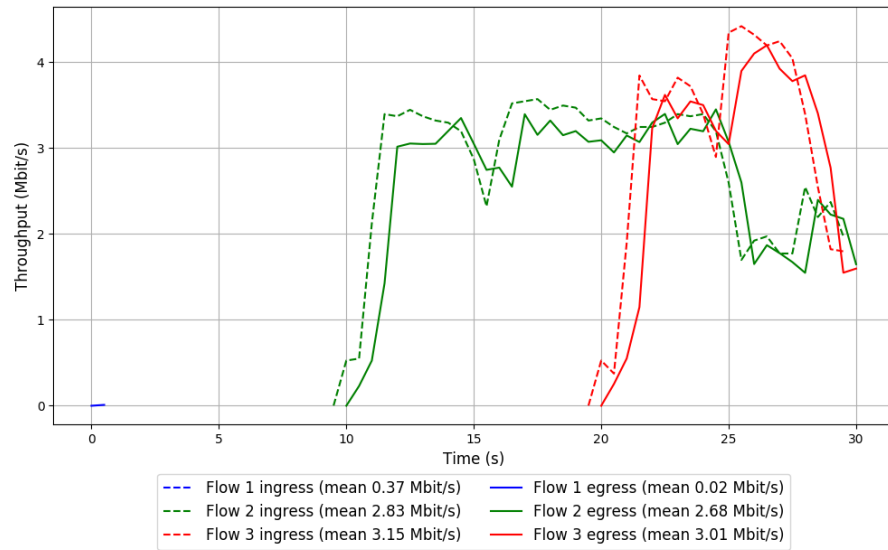


Run 2: Statistics of Copa

Start at: 2018-12-02 16:11:33
End at: 2018-12-02 16:12:03
Local clock offset: 1.61 ms
Remote clock offset: 49.259 ms

Below is generated by plot.py at 2018-12-02 18:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 173.286 ms
Loss rate: 6.57%
-- Flow 1:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 173.684 ms
Loss rate: 94.27%
-- Flow 2:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 173.206 ms
Loss rate: 6.34%
-- Flow 3:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 173.378 ms
Loss rate: 6.72%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-12-02 17:10:43

End at: 2018-12-02 17:11:13

Local clock offset: 10.979 ms

Remote clock offset: 38.67 ms

Below is generated by plot.py at 2018-12-02 18:59:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.64 Mbit/s

95th percentile per-packet one-way delay: 170.166 ms

Loss rate: 5.98%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 169.466 ms

Loss rate: 94.73%

-- Flow 2:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 170.162 ms

Loss rate: 5.54%

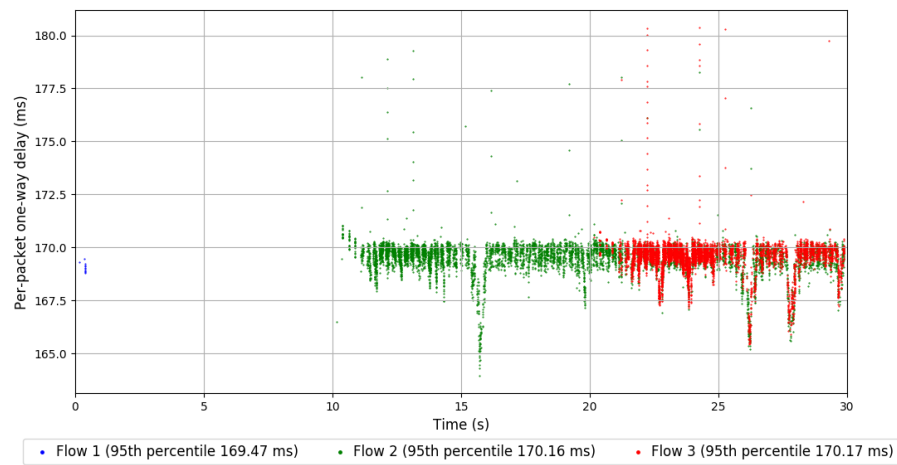
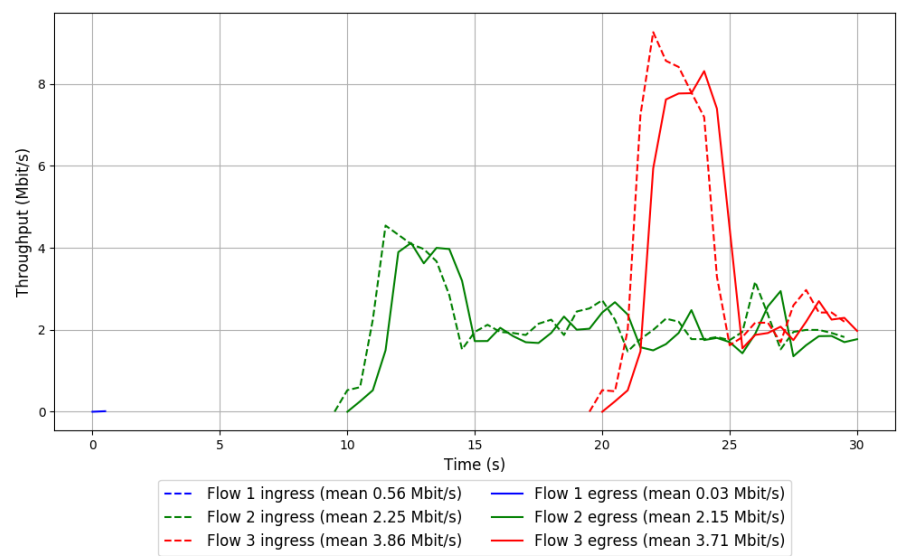
-- Flow 3:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 170.169 ms

Loss rate: 6.20%

Run 3: Report of Copa — Data Link

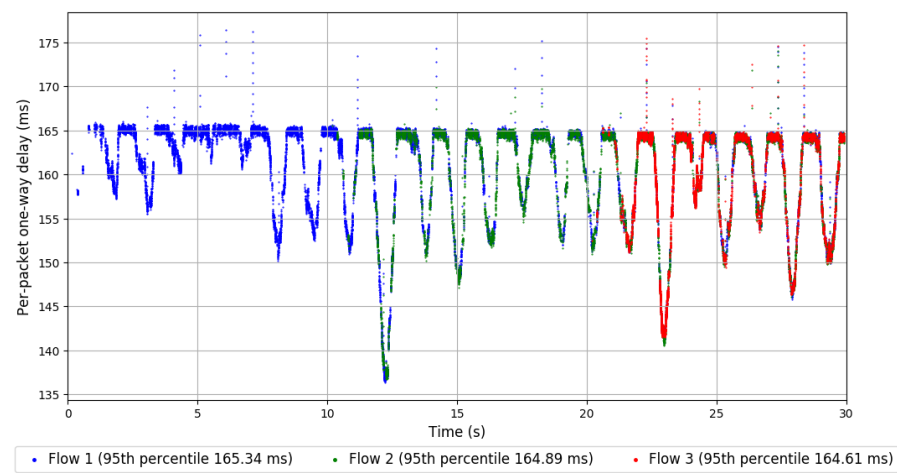
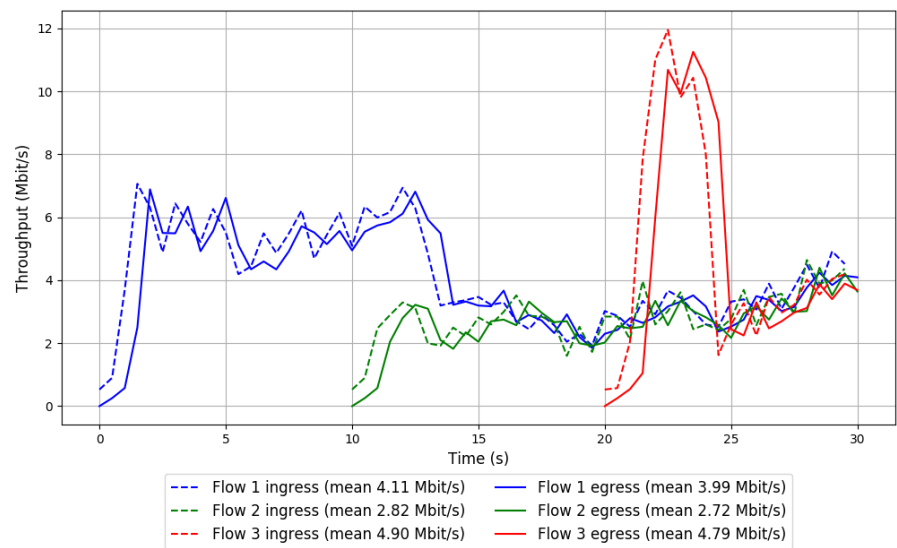


Run 4: Statistics of Copa

Start at: 2018-12-02 18:00:34
End at: 2018-12-02 18:01:04
Local clock offset: 15.595 ms
Remote clock offset: 27.569 ms

```
# Below is generated by plot.py at 2018-12-02 18:59:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 165.199 ms
Loss rate: 3.90%
-- Flow 1:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 165.337 ms
Loss rate: 3.53%
-- Flow 2:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 164.888 ms
Loss rate: 4.43%
-- Flow 3:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 164.610 ms
Loss rate: 4.22%
```

Run 4: Report of Copa — Data Link

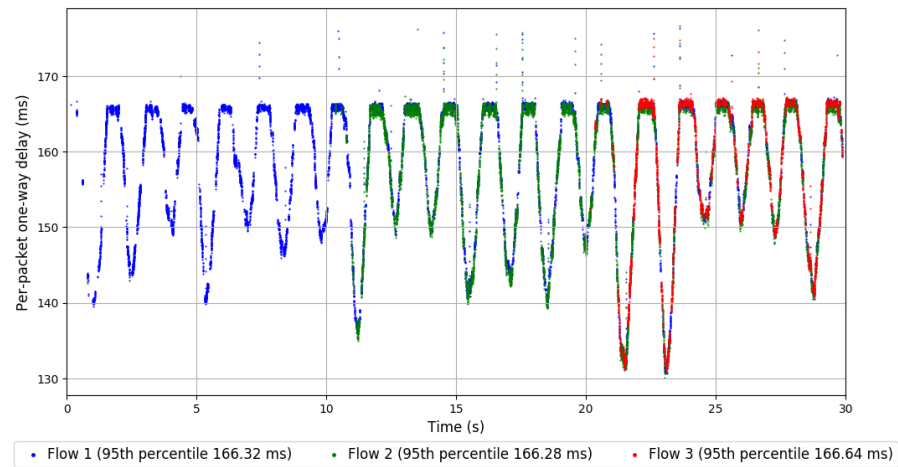
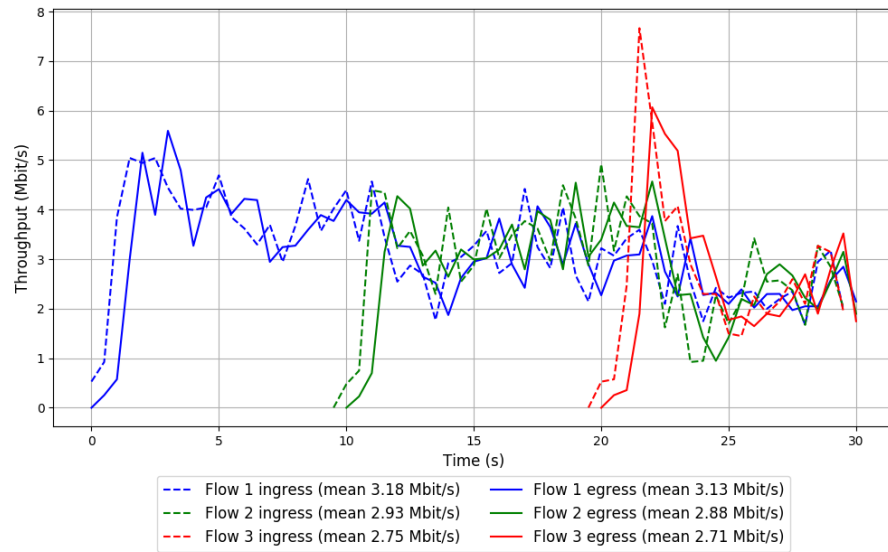


Run 5: Statistics of Copa

Start at: 2018-12-02 18:41:39
End at: 2018-12-02 18:42:09
Local clock offset: 28.958 ms
Remote clock offset: 27.652 ms

```
# Below is generated by plot.py at 2018-12-02 18:59:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.93 Mbit/s
95th percentile per-packet one-way delay: 166.389 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 166.320 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 166.276 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 166.642 ms
Loss rate: 3.53%
```

Run 5: Report of Copa — Data Link

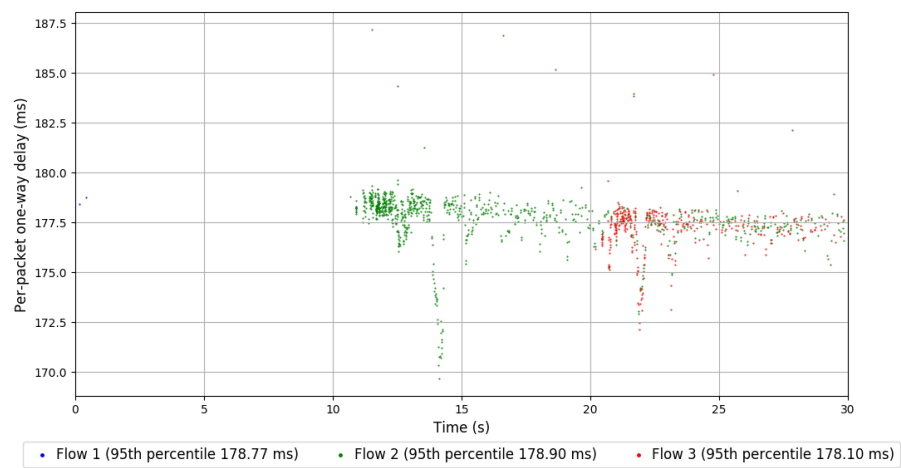
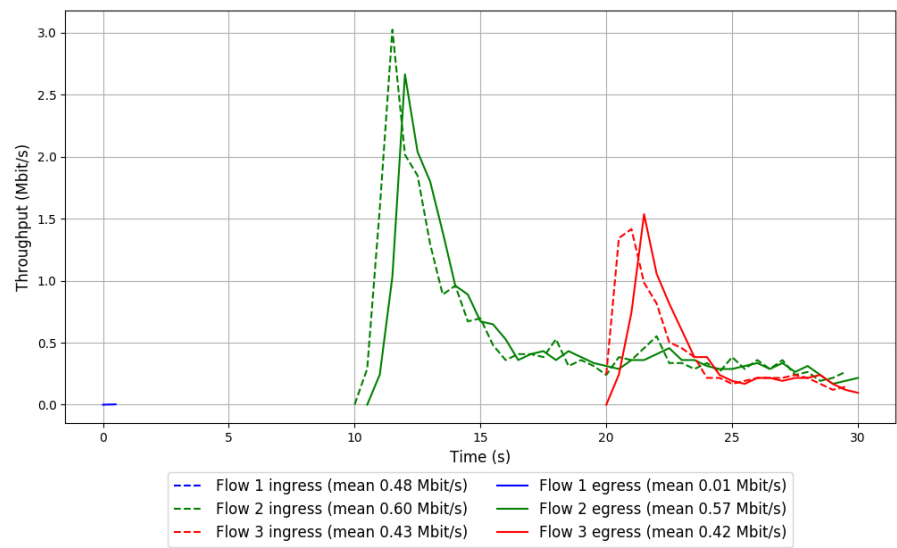


Run 1: Statistics of TCP Cubic

Start at: 2018-12-02 14:40:12
End at: 2018-12-02 14:40:42
Local clock offset: -0.219 ms
Remote clock offset: 12.147 ms

Below is generated by plot.py at 2018-12-02 18:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 178.810 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 178.767 ms
Loss rate: 98.79%
-- Flow 2:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 178.900 ms
Loss rate: 5.16%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 178.102 ms
Loss rate: 5.10%

Run 1: Report of TCP Cubic — Data Link

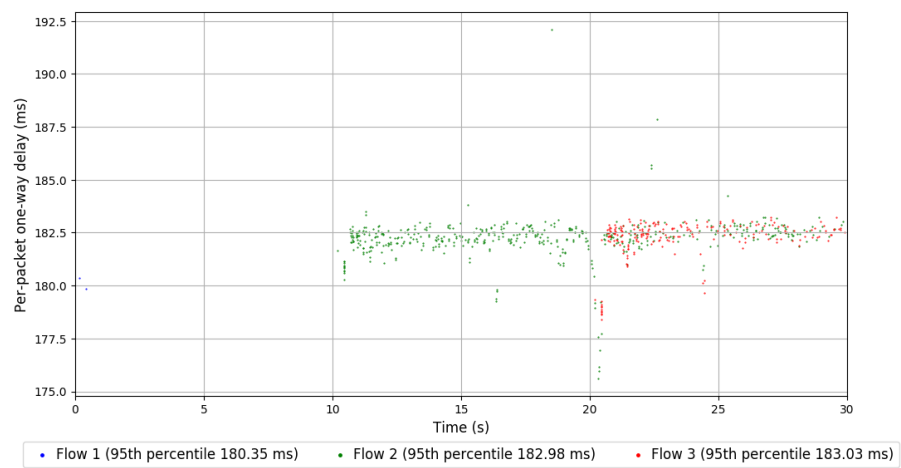
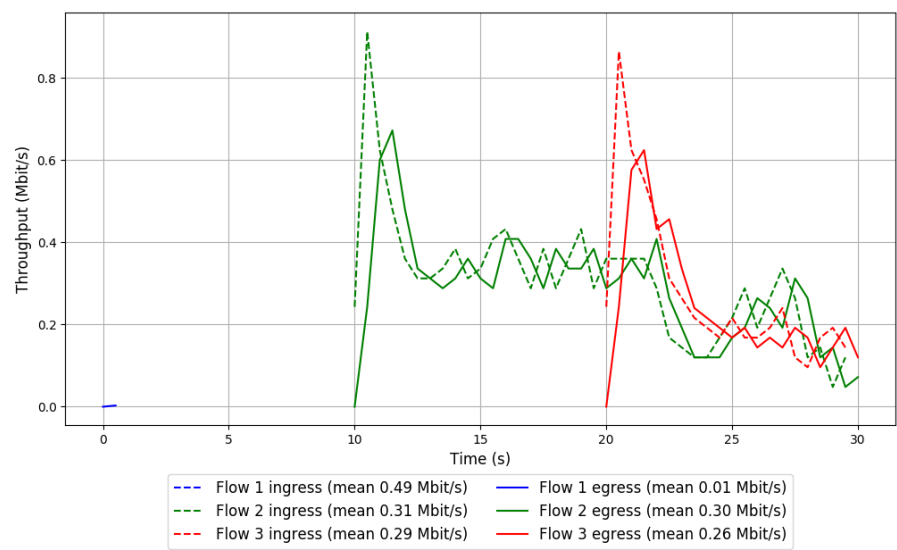


Run 2: Statistics of TCP Cubic

Start at: 2018-12-02 15:36:32
End at: 2018-12-02 15:37:02
Local clock offset: 0.402 ms
Remote clock offset: 52.761 ms

Below is generated by plot.py at 2018-12-02 18:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 183.002 ms
Loss rate: 8.08%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 180.350 ms
Loss rate: 98.79%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 182.978 ms
Loss rate: 5.47%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 183.031 ms
Loss rate: 9.87%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-12-02 16:35:52

End at: 2018-12-02 16:36:22

Local clock offset: 18.041 ms

Remote clock offset: 44.11 ms

Below is generated by plot.py at 2018-12-02 18:59:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 174.561 ms

Loss rate: 5.96%

-- Flow 1:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 173.968 ms

Loss rate: 98.79%

-- Flow 2:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 174.595 ms

Loss rate: 4.66%

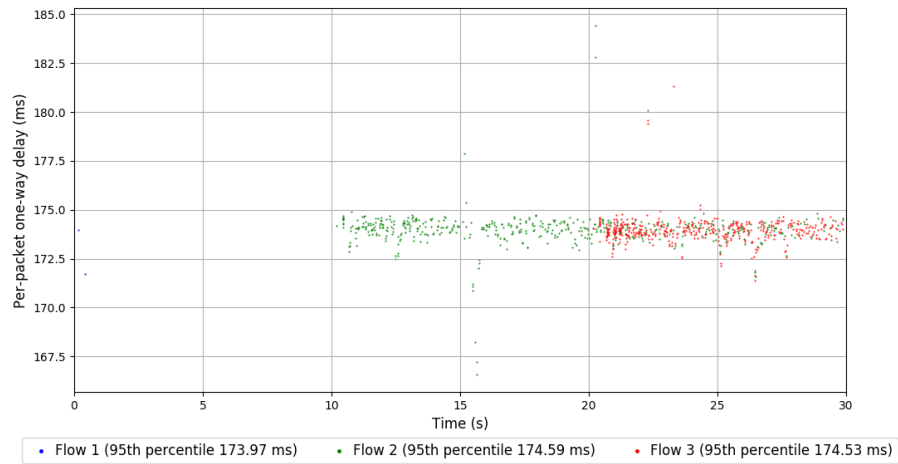
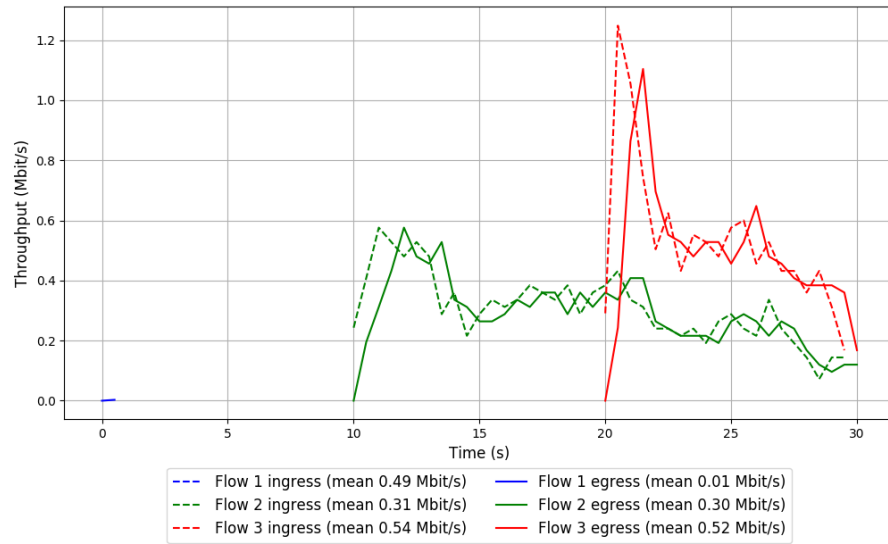
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 174.535 ms

Loss rate: 5.36%

Run 3: Report of TCP Cubic — Data Link

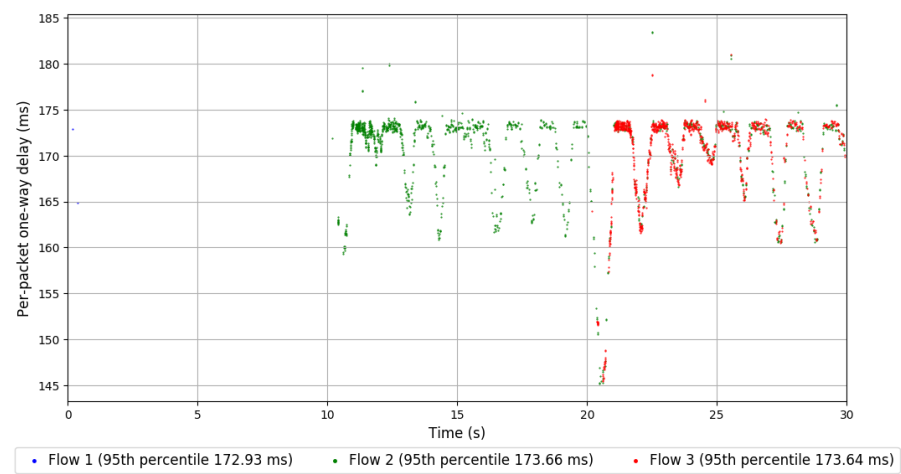
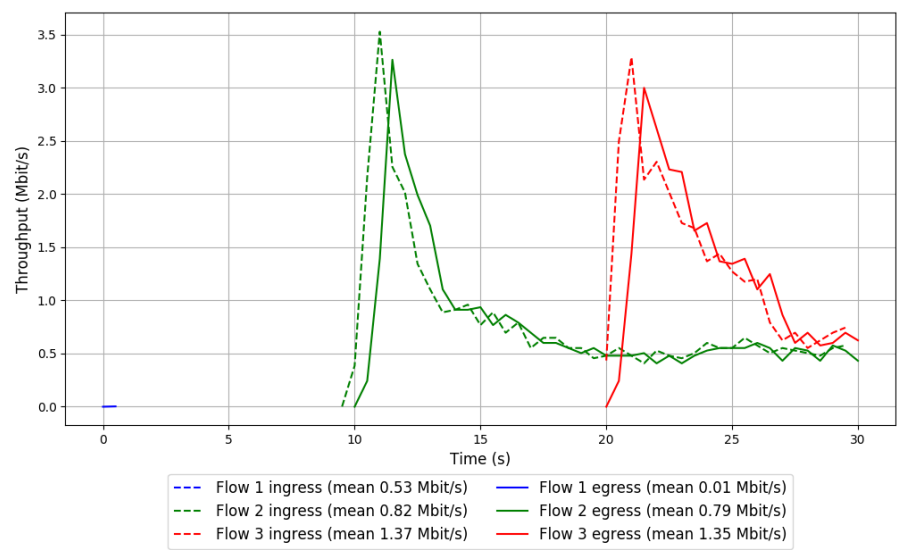


Run 4: Statistics of TCP Cubic

Start at: 2018-12-02 17:31:54
End at: 2018-12-02 17:32:24
Local clock offset: -0.339 ms
Remote clock offset: 28.871 ms

Below is generated by plot.py at 2018-12-02 18:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 173.656 ms
Loss rate: 4.31%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 172.933 ms
Loss rate: 98.79%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 173.665 ms
Loss rate: 4.05%
-- Flow 3:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 173.641 ms
Loss rate: 3.78%

Run 4: Report of TCP Cubic — Data Link

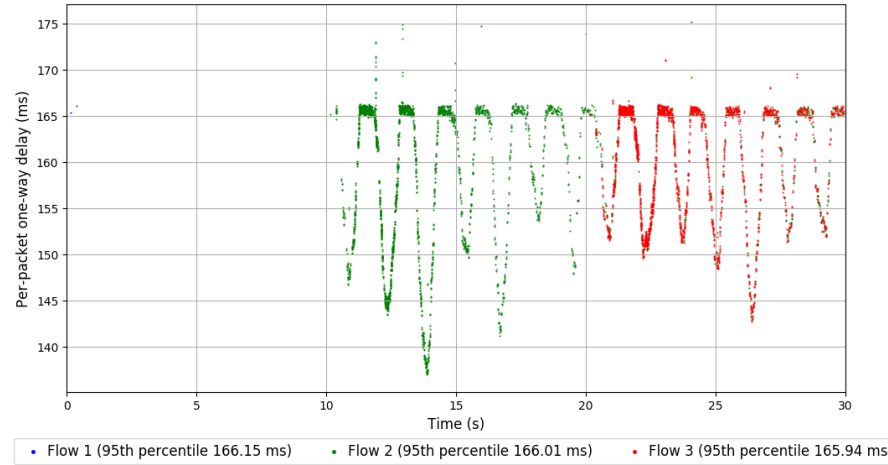
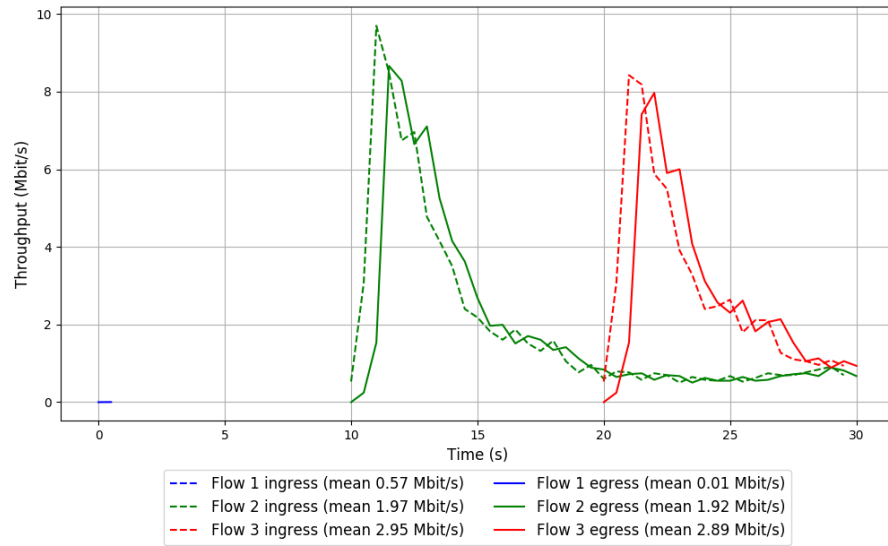


Run 5: Statistics of TCP Cubic

Start at: 2018-12-02 18:20:03
End at: 2018-12-02 18:20:33
Local clock offset: 24.166 ms
Remote clock offset: 13.765 ms

Below is generated by plot.py at 2018-12-02 18:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 165.984 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 166.148 ms
Loss rate: 98.79%
-- Flow 2:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 166.012 ms
Loss rate: 3.57%
-- Flow 3:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 165.939 ms
Loss rate: 4.00%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-12-02 14:41:37

End at: 2018-12-02 14:42:07

Local clock offset: -0.154 ms

Remote clock offset: 4.755 ms

Below is generated by plot.py at 2018-12-02 18:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 185.530 ms

Loss rate: 20.19%

-- Flow 1:

Average throughput: 23.36 Mbit/s

95th percentile per-packet one-way delay: 185.867 ms

Loss rate: 19.48%

-- Flow 2:

Average throughput: 8.73 Mbit/s

95th percentile per-packet one-way delay: 183.633 ms

Loss rate: 21.93%

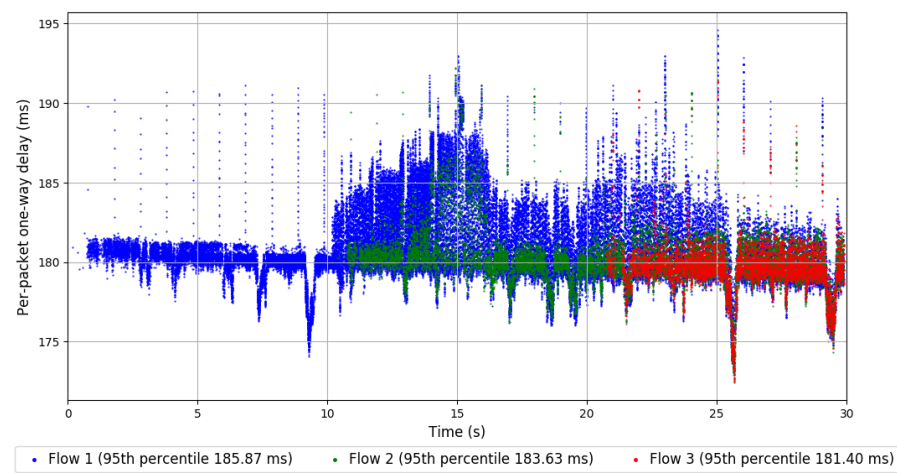
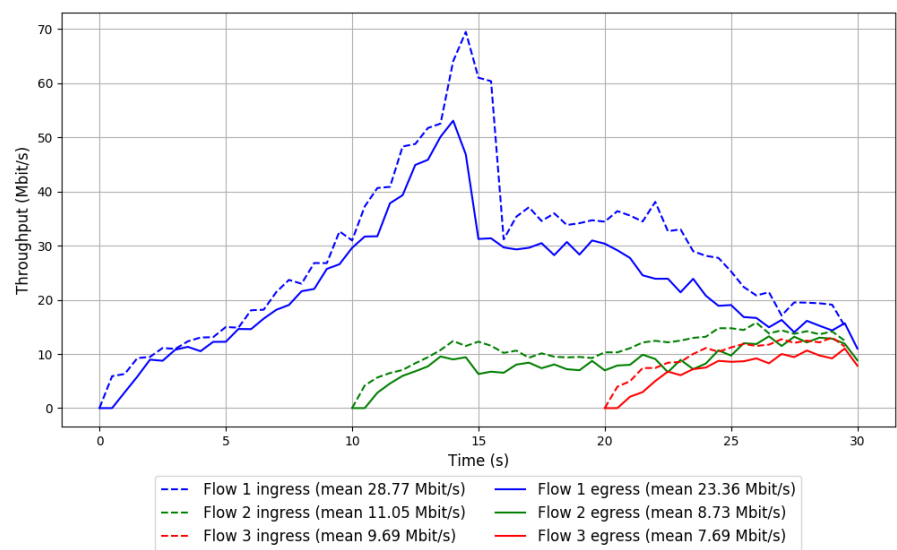
-- Flow 3:

Average throughput: 7.69 Mbit/s

95th percentile per-packet one-way delay: 181.402 ms

Loss rate: 22.58%

Run 1: Report of FillP — Data Link

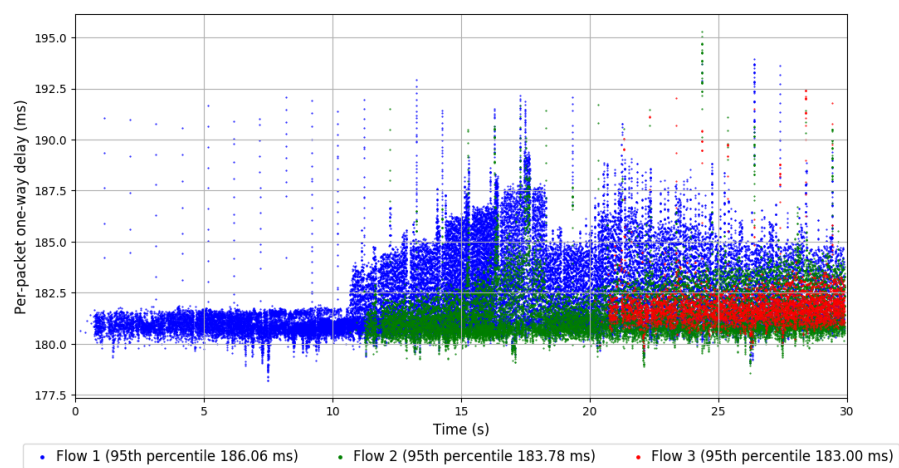
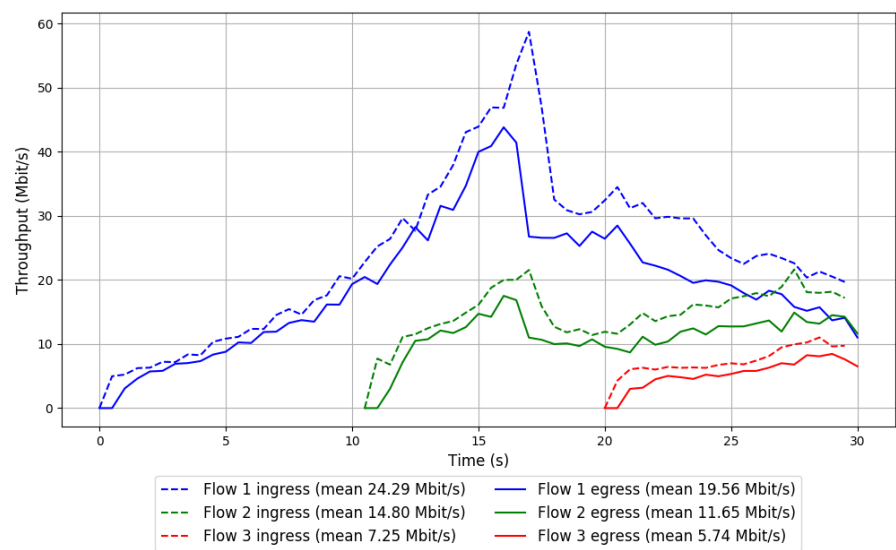


Run 2: Statistics of FillP

Start at: 2018-12-02 15:37:59
End at: 2018-12-02 15:38:29
Local clock offset: 0.23 ms
Remote clock offset: 55.304 ms

Below is generated by plot.py at 2018-12-02 18:59:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 185.745 ms
Loss rate: 20.89%
-- Flow 1:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 186.064 ms
Loss rate: 20.14%
-- Flow 2:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 183.776 ms
Loss rate: 22.30%
-- Flow 3:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 182.998 ms
Loss rate: 22.83%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-12-02 16:37:13

End at: 2018-12-02 16:37:43

Local clock offset: 18.783 ms

Remote clock offset: 47.78 ms

Below is generated by plot.py at 2018-12-02 18:59:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 176.716 ms

Loss rate: 19.76%

-- Flow 1:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 177.063 ms

Loss rate: 18.59%

-- Flow 2:

Average throughput: 9.94 Mbit/s

95th percentile per-packet one-way delay: 175.134 ms

Loss rate: 24.58%

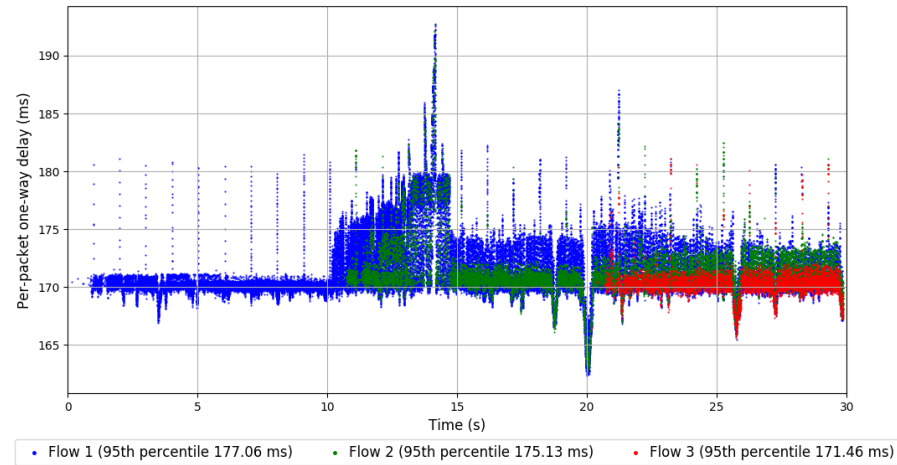
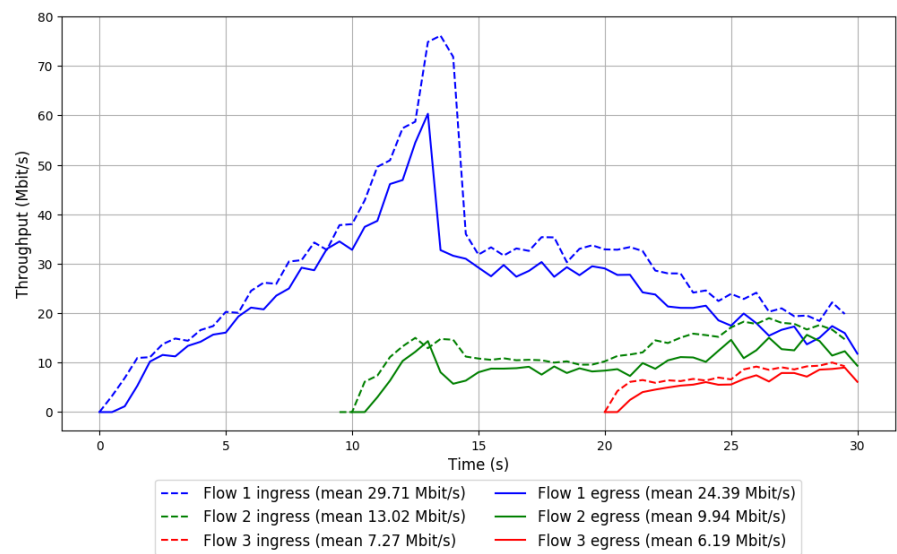
-- Flow 3:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 171.460 ms

Loss rate: 16.86%

Run 3: Report of FillP — Data Link

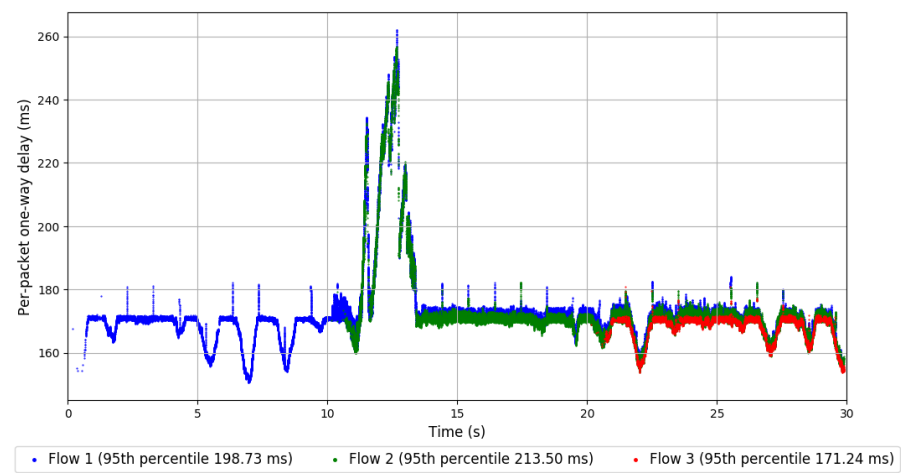
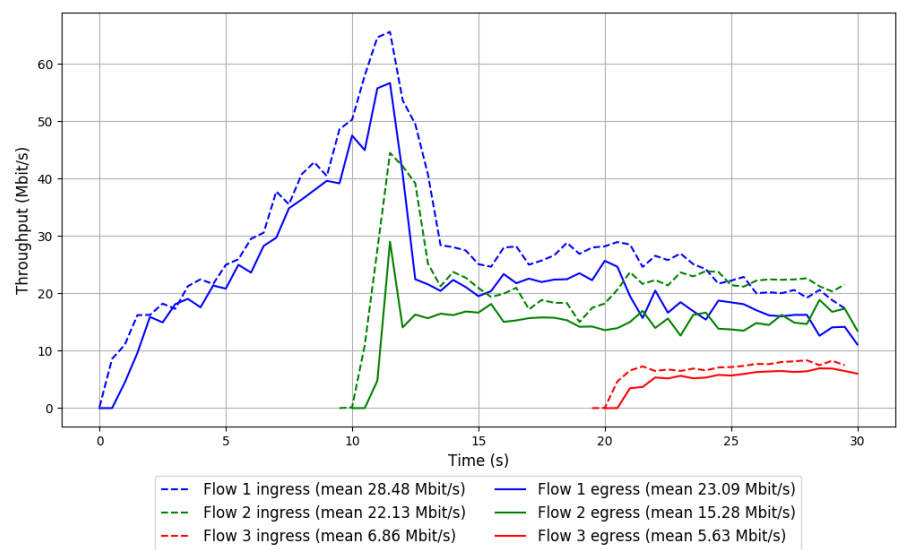


Run 4: Statistics of FillP

Start at: 2018-12-02 17:33:16
End at: 2018-12-02 17:33:46
Local clock offset: -0.752 ms
Remote clock offset: 30.432 ms

Below is generated by plot.py at 2018-12-02 18:59:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 201.962 ms
Loss rate: 23.52%
-- Flow 1:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 198.729 ms
Loss rate: 19.53%
-- Flow 2:
Average throughput: 15.28 Mbit/s
95th percentile per-packet one-way delay: 213.503 ms
Loss rate: 31.80%
-- Flow 3:
Average throughput: 5.63 Mbit/s
95th percentile per-packet one-way delay: 171.236 ms
Loss rate: 19.76%

Run 4: Report of FillP — Data Link

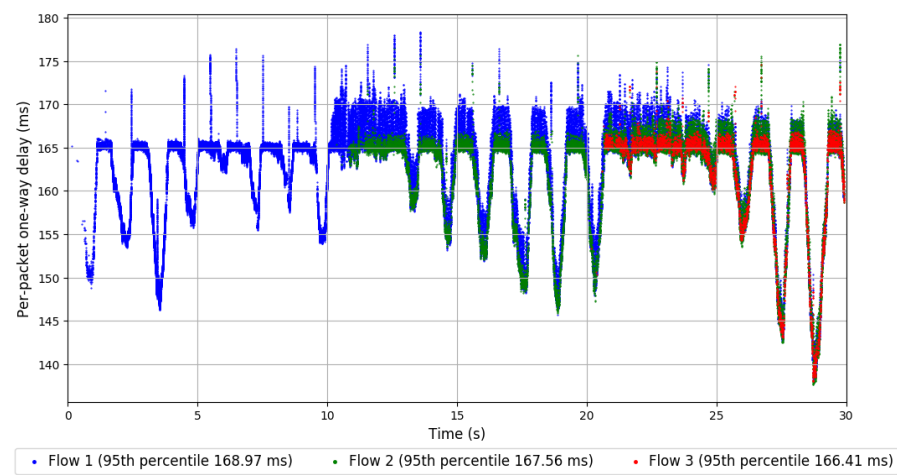
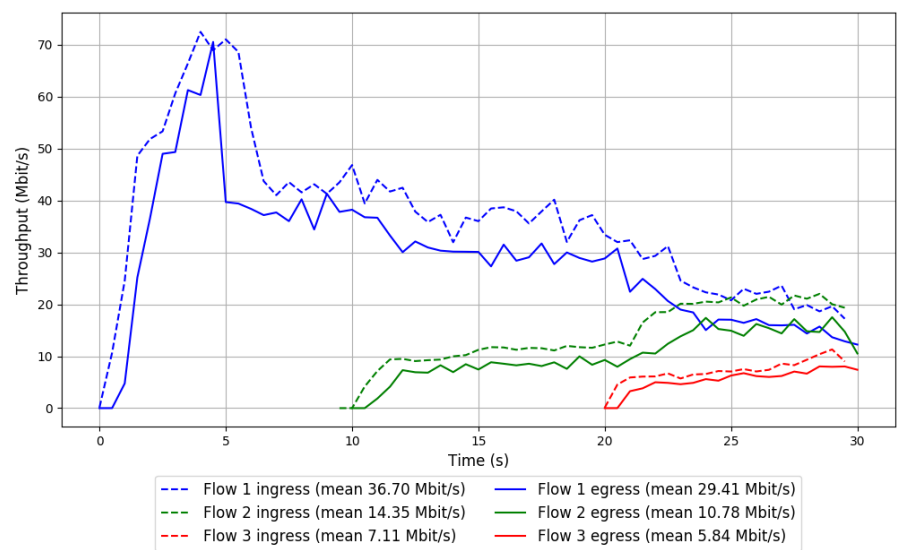


Run 5: Statistics of FillP

Start at: 2018-12-02 18:21:29
End at: 2018-12-02 18:21:59
Local clock offset: 24.242 ms
Remote clock offset: 13.048 ms

Below is generated by plot.py at 2018-12-02 18:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 168.738 ms
Loss rate: 21.60%
-- Flow 1:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 168.965 ms
Loss rate: 20.48%
-- Flow 2:
Average throughput: 10.78 Mbit/s
95th percentile per-packet one-way delay: 167.563 ms
Loss rate: 26.46%
-- Flow 3:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 166.407 ms
Loss rate: 19.42%

Run 5: Report of FillP — Data Link

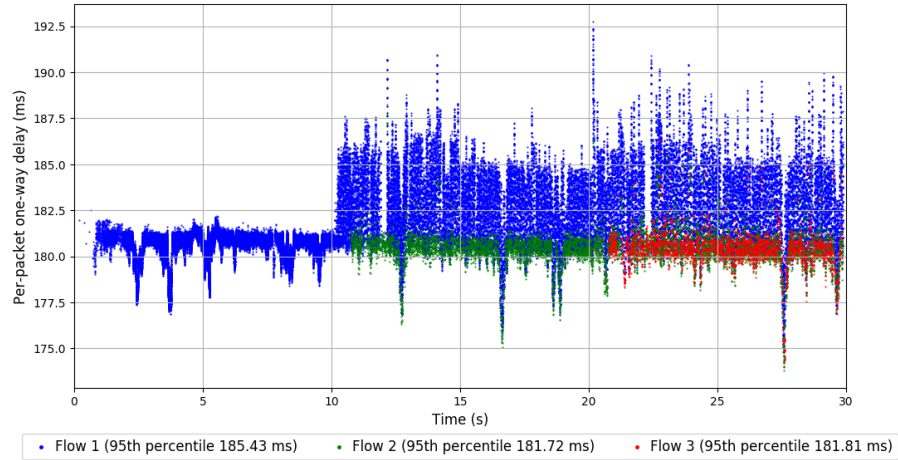
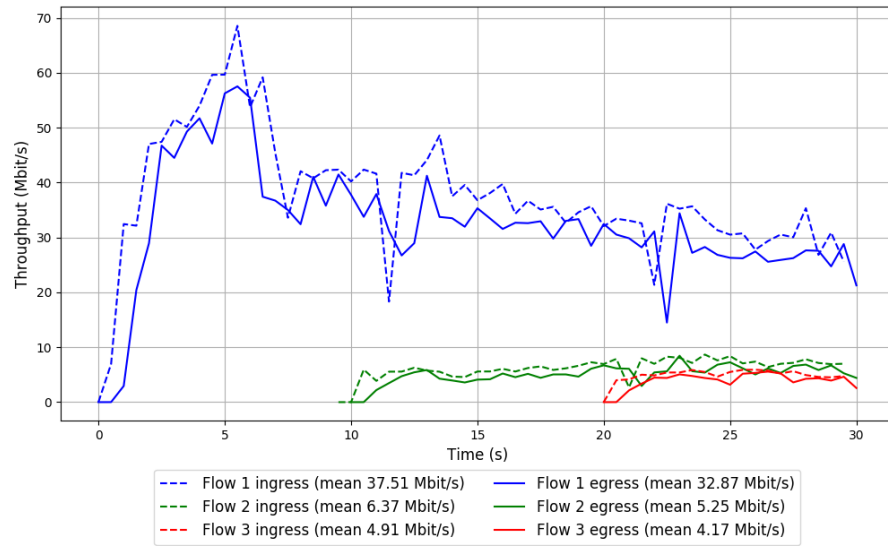


Run 1: Statistics of FillP-Sheep

Start at: 2018-12-02 14:54:32
End at: 2018-12-02 14:55:02
Local clock offset: 1.269 ms
Remote clock offset: -23.59 ms

Below is generated by plot.py at 2018-12-02 19:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 185.287 ms
Loss rate: 13.76%
-- Flow 1:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 185.434 ms
Loss rate: 13.07%
-- Flow 2:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 181.716 ms
Loss rate: 18.49%
-- Flow 3:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 181.805 ms
Loss rate: 17.38%

Run 1: Report of FillP-Sheep — Data Link

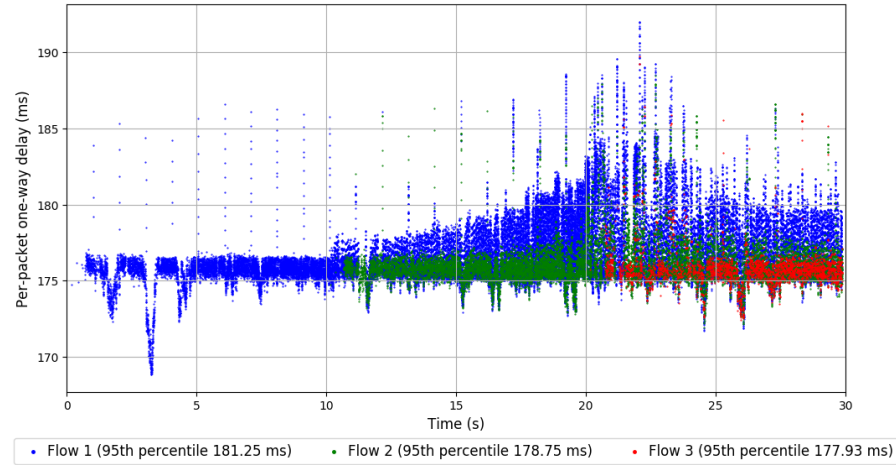
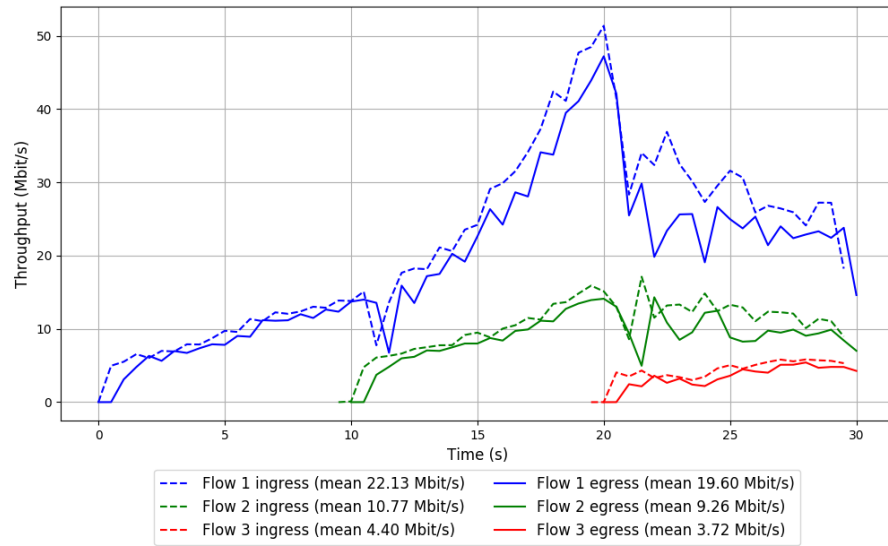


Run 2: Statistics of FillP-Sheep

Start at: 2018-12-02 15:54:02
End at: 2018-12-02 15:54:32
Local clock offset: 0.795 ms
Remote clock offset: 49.707 ms

Below is generated by plot.py at 2018-12-02 19:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 180.940 ms
Loss rate: 12.98%
-- Flow 1:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 181.254 ms
Loss rate: 12.02%
-- Flow 2:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 178.746 ms
Loss rate: 15.05%
-- Flow 3:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 177.932 ms
Loss rate: 17.37%

Run 2: Report of FillP-Sheep — Data Link

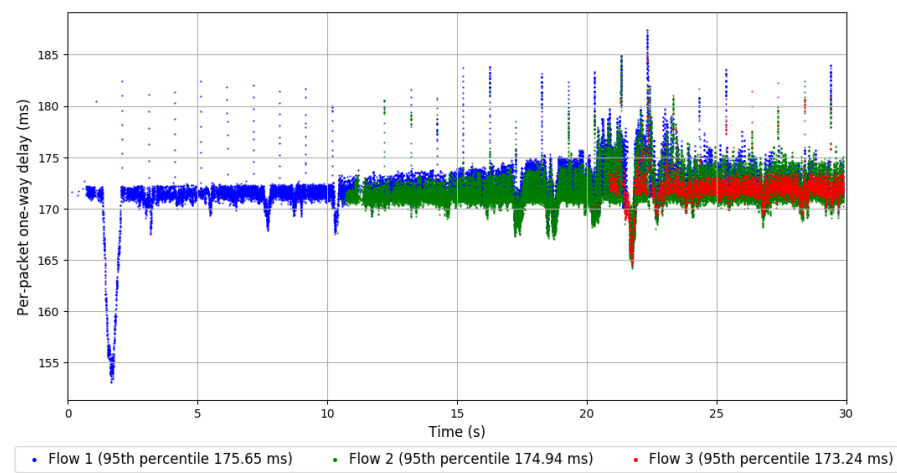
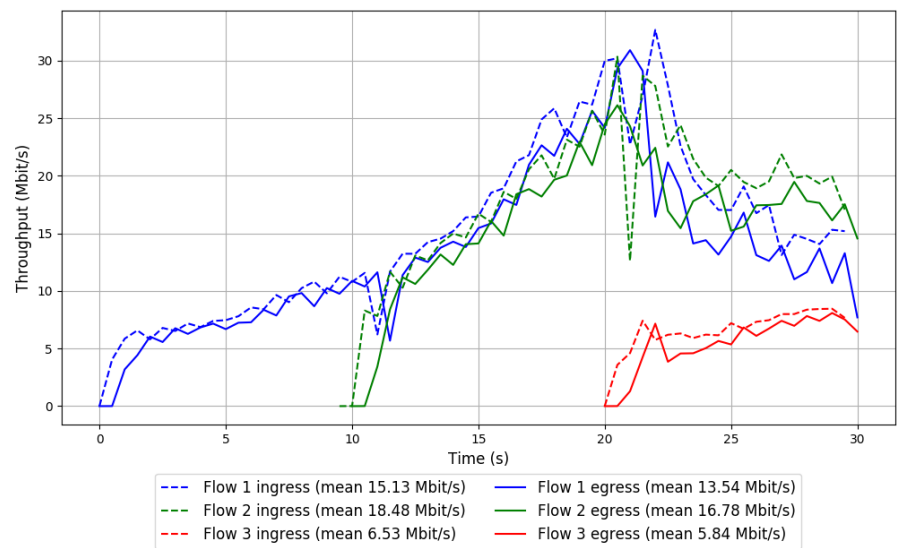


Run 3: Statistics of FillP-Sheep

Start at: 2018-12-02 16:51:44
End at: 2018-12-02 16:52:14
Local clock offset: 17.725 ms
Remote clock offset: 48.592 ms

```
# Below is generated by plot.py at 2018-12-02 19:00:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 175.252 ms
Loss rate: 10.95%
-- Flow 1:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 175.650 ms
Loss rate: 11.24%
-- Flow 2:
Average throughput: 16.78 Mbit/s
95th percentile per-packet one-way delay: 174.942 ms
Loss rate: 10.27%
-- Flow 3:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 173.240 ms
Loss rate: 12.82%
```

Run 3: Report of FillP-Sheep — Data Link

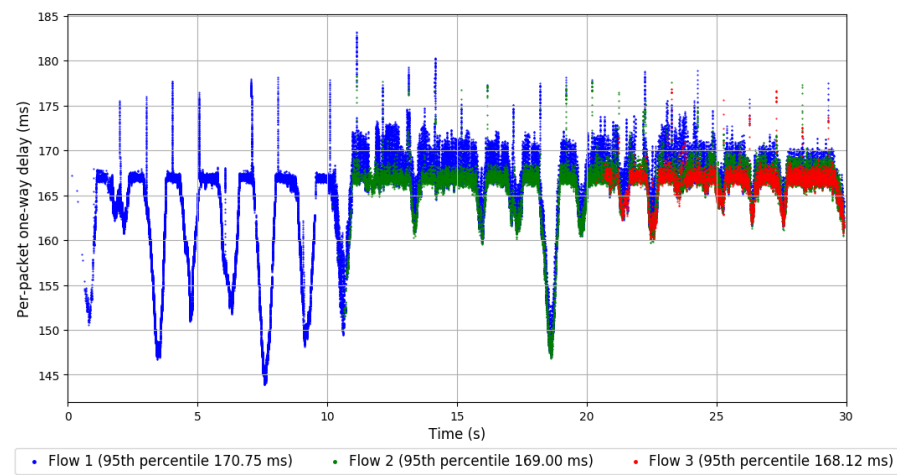
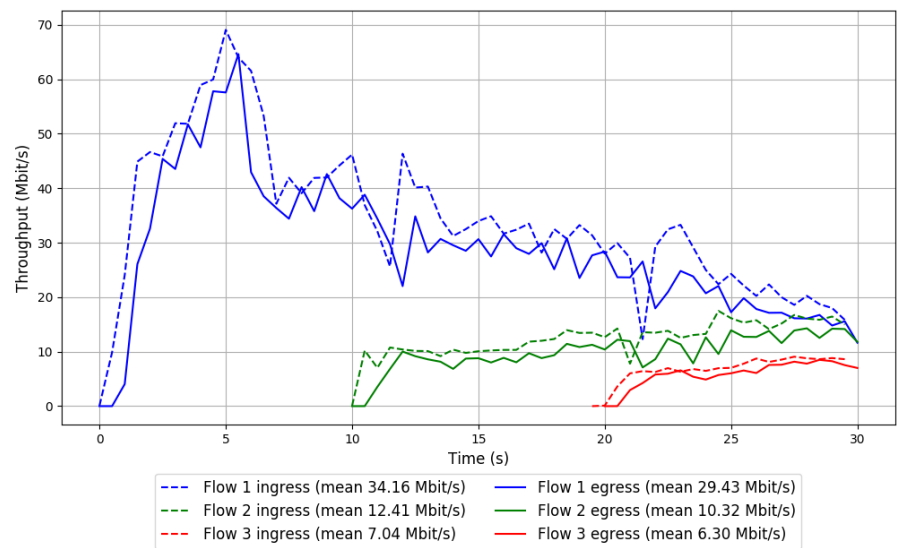


Run 4: Statistics of FillP-Sheep

Start at: 2018-12-02 17:46:59
End at: 2018-12-02 17:47:29
Local clock offset: -4.005 ms
Remote clock offset: 29.379 ms

```
# Below is generated by plot.py at 2018-12-02 19:00:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 170.512 ms
Loss rate: 14.99%
-- Flow 1:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 170.745 ms
Loss rate: 14.49%
-- Flow 2:
Average throughput: 10.32 Mbit/s
95th percentile per-packet one-way delay: 168.995 ms
Loss rate: 17.78%
-- Flow 3:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 168.120 ms
Loss rate: 12.50%
```

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-12-02 18:32:18

End at: 2018-12-02 18:32:48

Local clock offset: 26.957 ms

Remote clock offset: 8.396 ms

Below is generated by plot.py at 2018-12-02 19:00:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 168.626 ms

Loss rate: 11.21%

-- Flow 1:

Average throughput: 20.90 Mbit/s

95th percentile per-packet one-way delay: 169.168 ms

Loss rate: 10.37%

-- Flow 2:

Average throughput: 12.56 Mbit/s

95th percentile per-packet one-way delay: 167.191 ms

Loss rate: 13.07%

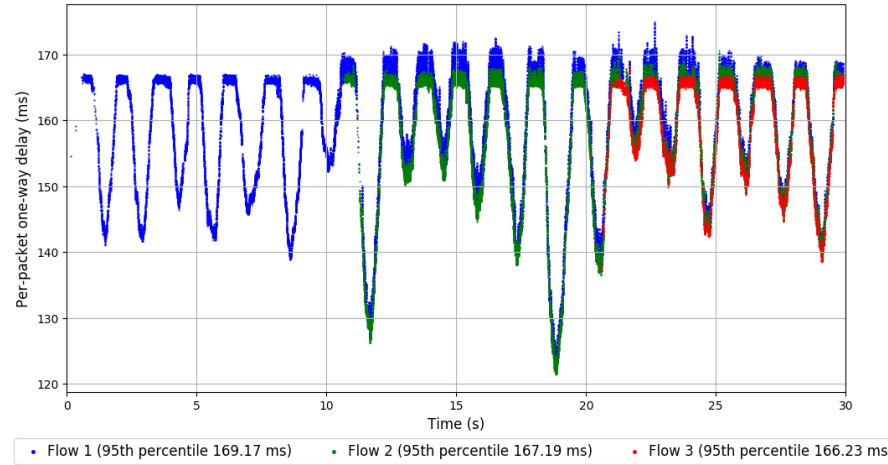
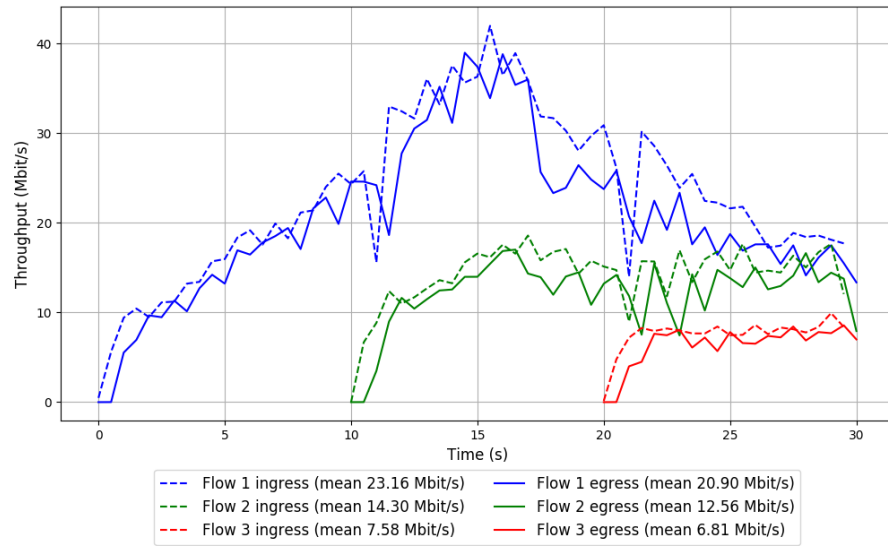
-- Flow 3:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 166.234 ms

Loss rate: 11.86%

Run 5: Report of FillP-Sheep — Data Link

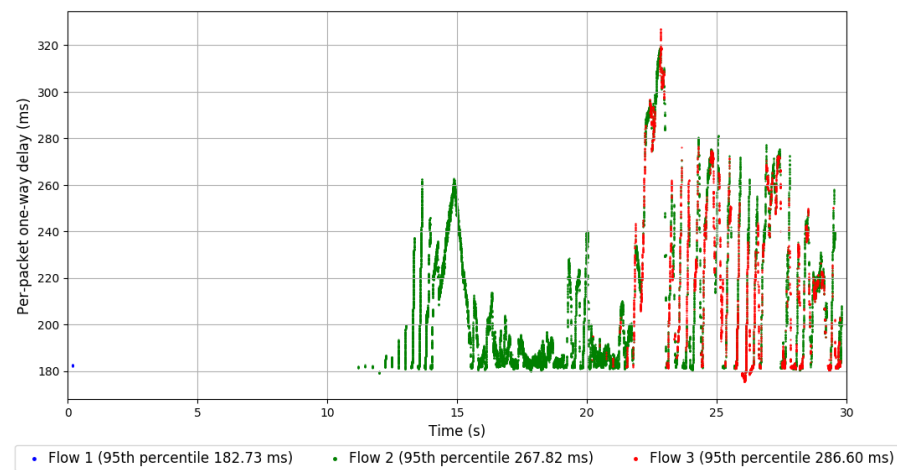
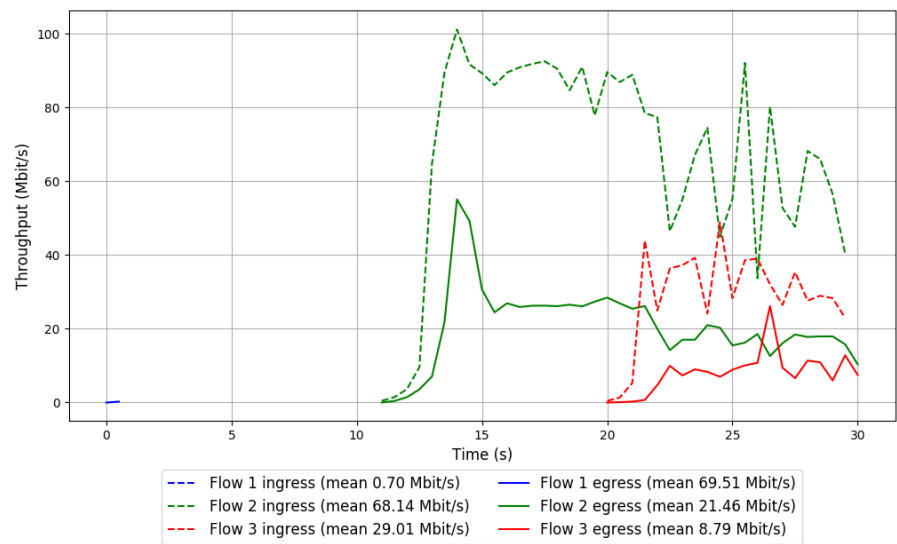


Run 1: Statistics of Indigo

Start at: 2018-12-02 14:57:14
End at: 2018-12-02 14:57:44
Local clock offset: 1.488 ms
Remote clock offset: -28.148 ms

Below is generated by plot.py at 2018-12-02 19:00:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 270.929 ms
Loss rate: 68.99%
-- Flow 1:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 182.733 ms
Loss rate: 33.49%
-- Flow 2:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 267.822 ms
Loss rate: 68.66%
-- Flow 3:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 286.596 ms
Loss rate: 70.51%

Run 1: Report of Indigo — Data Link

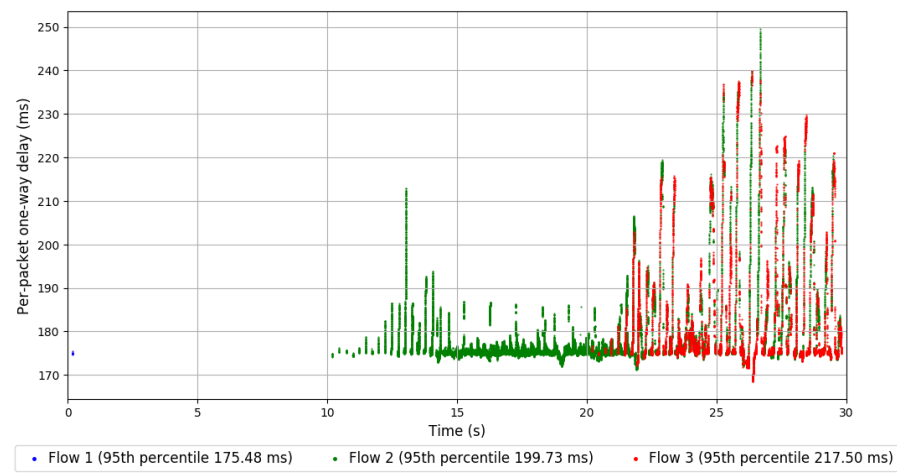
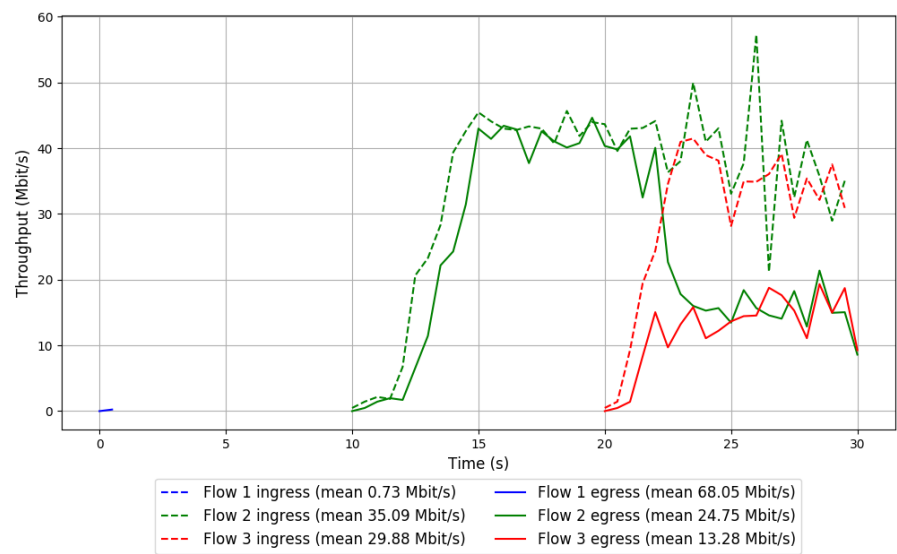


Run 2: Statistics of Indigo

Start at: 2018-12-02 15:58:03
End at: 2018-12-02 15:58:33
Local clock offset: 1.068 ms
Remote clock offset: 47.855 ms

Below is generated by plot.py at 2018-12-02 19:00:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.65 Mbit/s
95th percentile per-packet one-way delay: 206.132 ms
Loss rate: 38.13%
-- Flow 1:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 175.482 ms
Loss rate: 33.48%
-- Flow 2:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 199.726 ms
Loss rate: 30.31%
-- Flow 3:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 217.501 ms
Loss rate: 56.61%

Run 2: Report of Indigo — Data Link

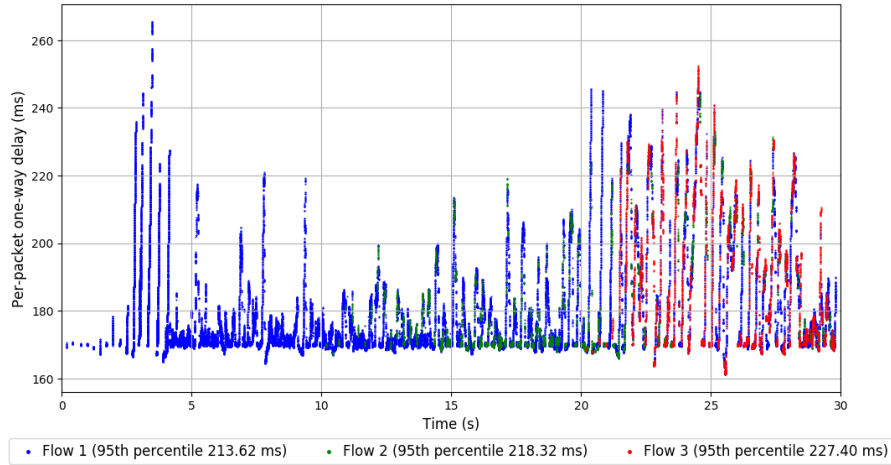
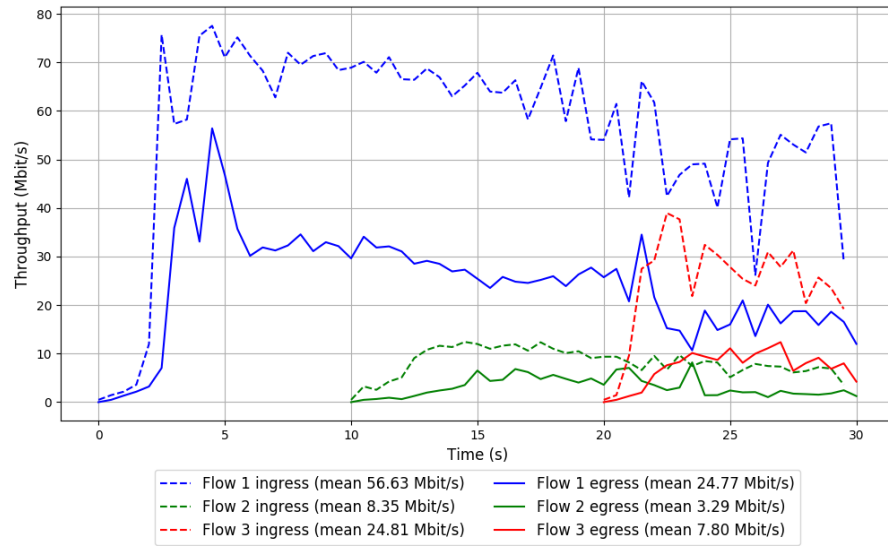


Run 3: Statistics of Indigo

Start at: 2018-12-02 16:55:38
End at: 2018-12-02 16:56:08
Local clock offset: 14.701 ms
Remote clock offset: 45.851 ms

```
# Below is generated by plot.py at 2018-12-02 19:00:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 216.609 ms
Loss rate: 58.33%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 213.625 ms
Loss rate: 56.52%
-- Flow 2:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 218.318 ms
Loss rate: 60.74%
-- Flow 3:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 227.402 ms
Loss rate: 69.32%
```

Run 3: Report of Indigo — Data Link

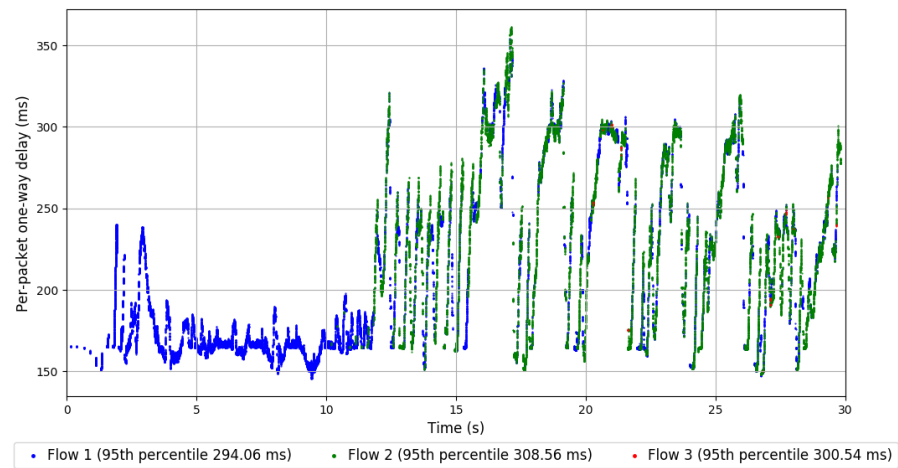
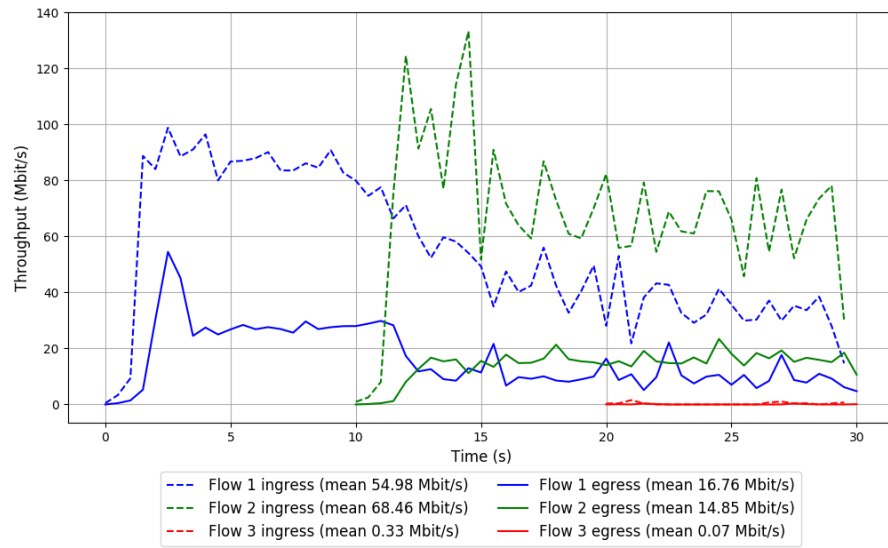


Run 4: Statistics of Indigo

Start at: 2018-12-02 17:50:46
End at: 2018-12-02 17:51:16
Local clock offset: 2.394 ms
Remote clock offset: 28.922 ms

```
# Below is generated by plot.py at 2018-12-02 19:00:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 299.813 ms
Loss rate: 73.75%
-- Flow 1:
Average throughput: 16.76 Mbit/s
95th percentile per-packet one-way delay: 294.061 ms
Loss rate: 69.76%
-- Flow 2:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 308.562 ms
Loss rate: 78.55%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 300.544 ms
Loss rate: 79.85%
```

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-12-02 18:34:05

End at: 2018-12-02 18:34:35

Local clock offset: 27.083 ms

Remote clock offset: 8.003 ms

Below is generated by plot.py at 2018-12-02 19:00:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.13 Mbit/s

95th percentile per-packet one-way delay: 271.371 ms

Loss rate: 64.60%

-- Flow 1:

Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 156.443 ms

Loss rate: 28.73%

-- Flow 2:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 170.178 ms

Loss rate: 18.24%

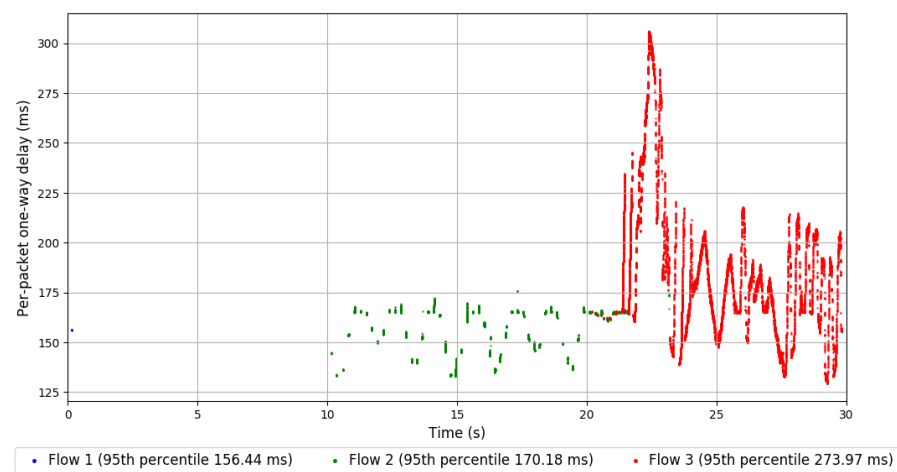
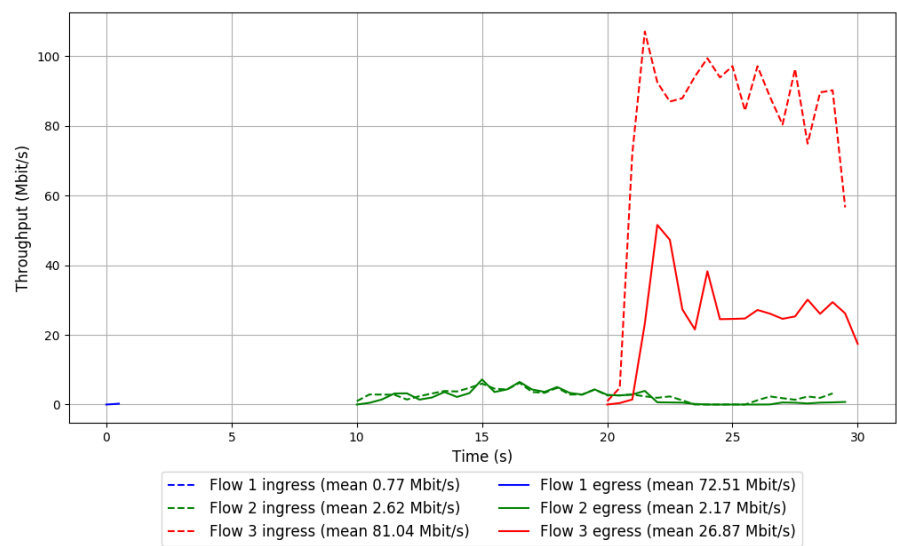
-- Flow 3:

Average throughput: 26.87 Mbit/s

95th percentile per-packet one-way delay: 273.973 ms

Loss rate: 67.57%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-96d2da3

Start at: 2018-12-02 15:31:32

End at: 2018-12-02 15:32:02

Local clock offset: 0.516 ms

Remote clock offset: 46.08 ms

Below is generated by plot.py at 2018-12-02 19:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.43 Mbit/s

95th percentile per-packet one-way delay: 192.556 ms

Loss rate: 63.63%

-- Flow 1:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 192.529 ms

Loss rate: 61.50%

-- Flow 2:

Average throughput: 14.57 Mbit/s

95th percentile per-packet one-way delay: 192.648 ms

Loss rate: 65.50%

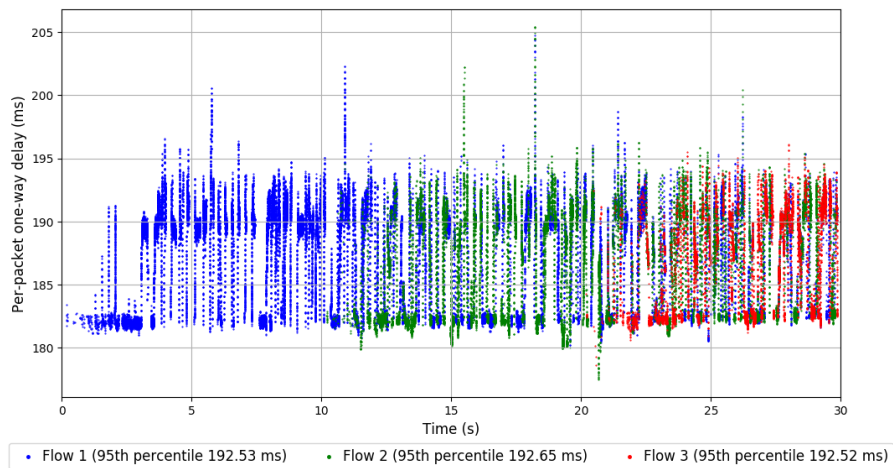
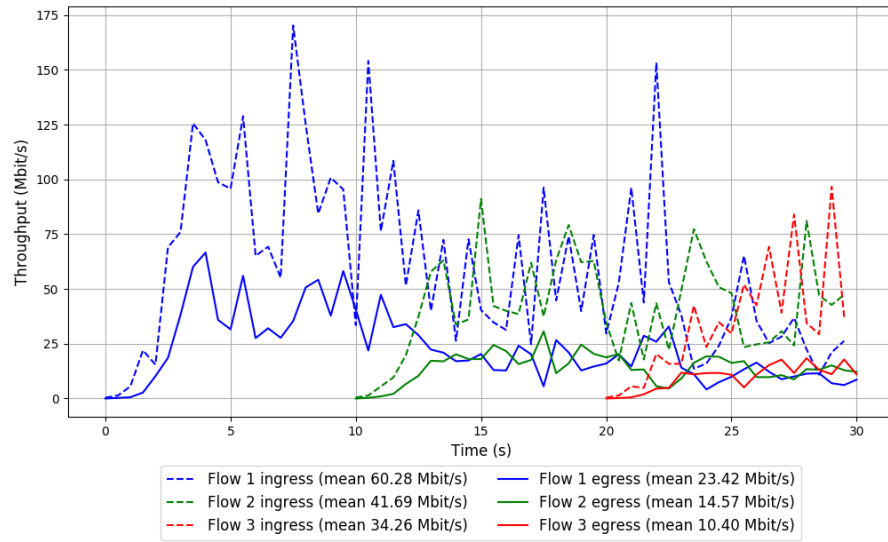
-- Flow 3:

Average throughput: 10.40 Mbit/s

95th percentile per-packet one-way delay: 192.521 ms

Loss rate: 70.39%

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

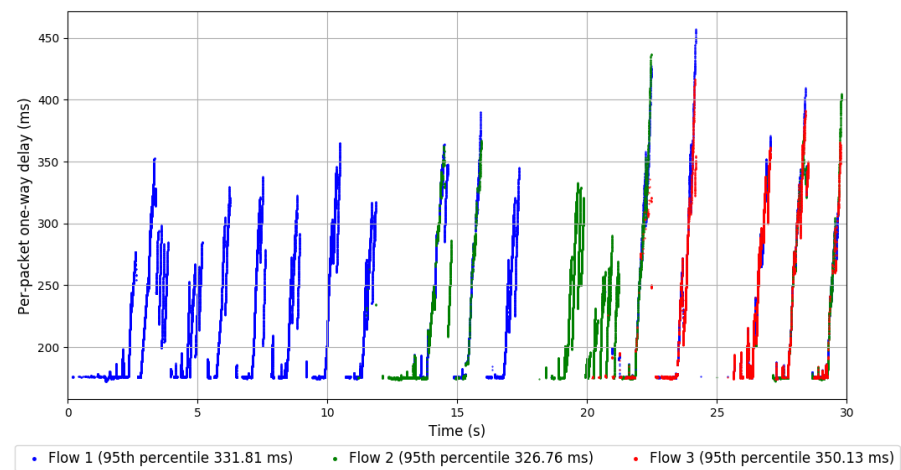
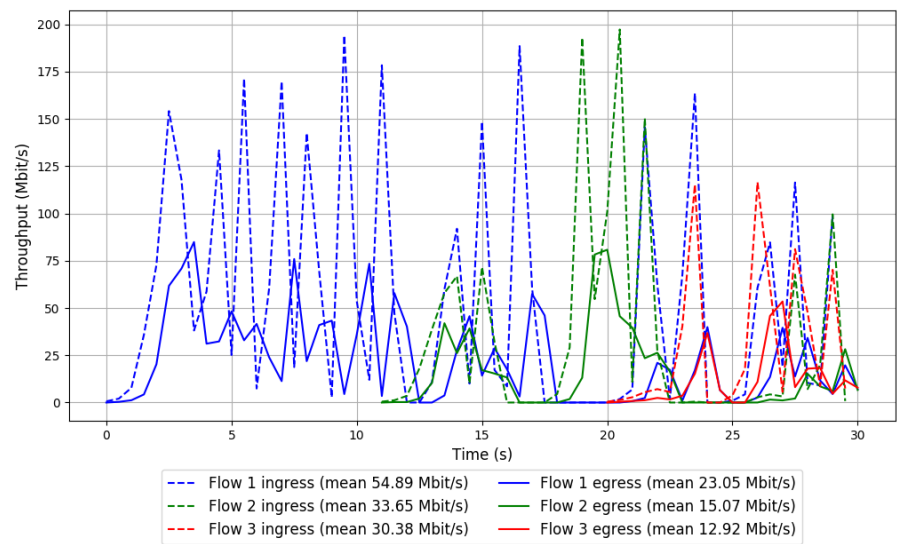


Run 2: Statistics of Indigo-96d2da3

Start at: 2018-12-02 16:31:19
End at: 2018-12-02 16:31:49
Local clock offset: 15.791 ms
Remote clock offset: 42.625 ms

Below is generated by plot.py at 2018-12-02 19:00:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 333.966 ms
Loss rate: 57.46%
-- Flow 1:
Average throughput: 23.05 Mbit/s
95th percentile per-packet one-way delay: 331.812 ms
Loss rate: 57.82%
-- Flow 2:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 326.765 ms
Loss rate: 55.98%
-- Flow 3:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 350.135 ms
Loss rate: 58.63%

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

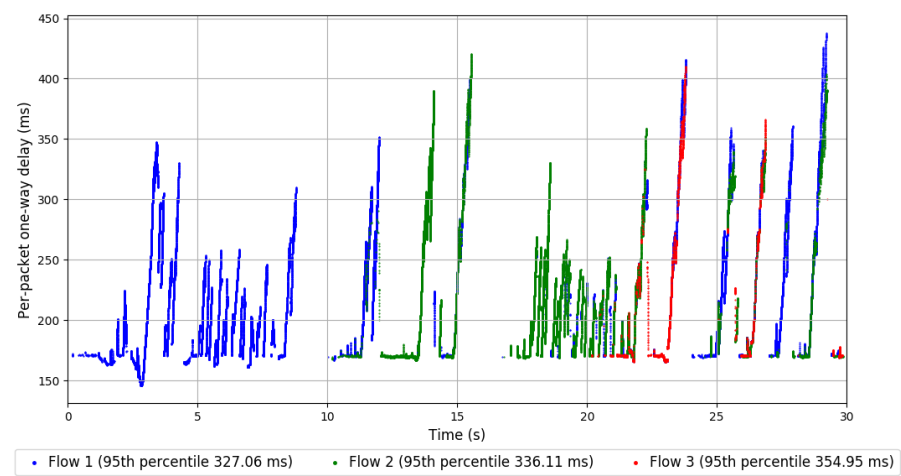
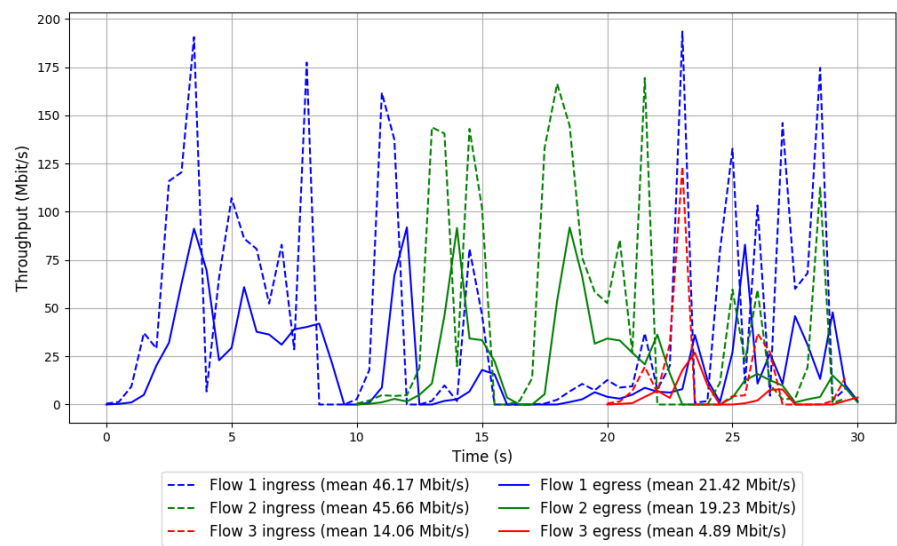


Run 3: Statistics of Indigo-96d2da3

Start at: 2018-12-02 17:27:04
End at: 2018-12-02 17:27:34
Local clock offset: 2.059 ms
Remote clock offset: 35.311 ms

Below is generated by plot.py at 2018-12-02 19:00:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 330.828 ms
Loss rate: 56.37%
-- Flow 1:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 327.059 ms
Loss rate: 54.09%
-- Flow 2:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 336.114 ms
Loss rate: 58.35%
-- Flow 3:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 354.951 ms
Loss rate: 66.09%

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

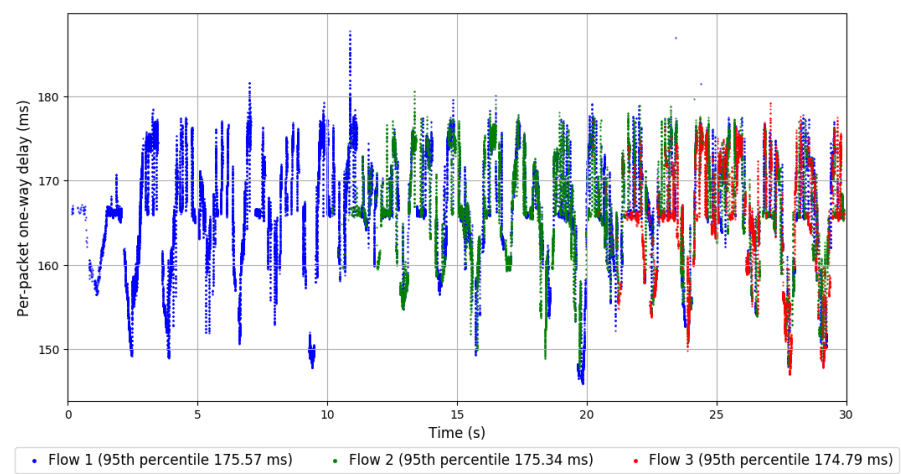
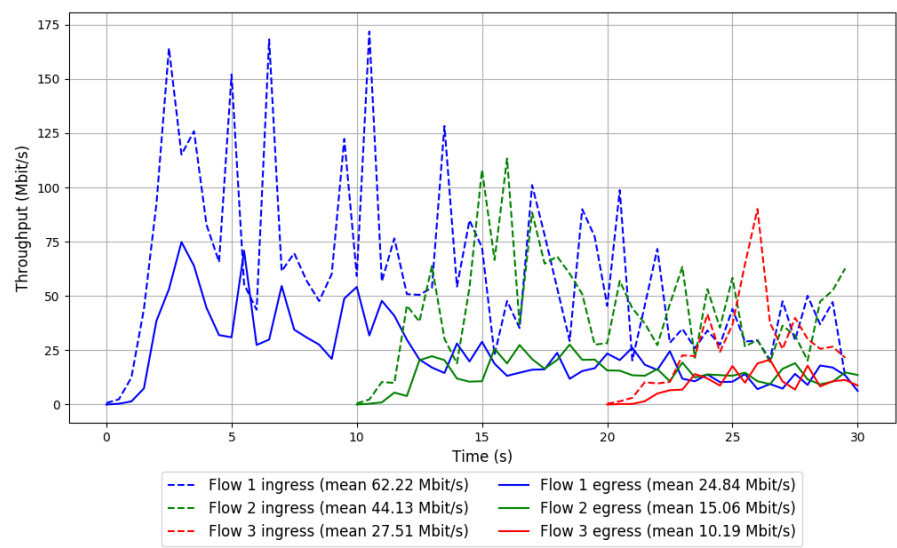


Run 4: Statistics of Indigo-96d2da3

Start at: 2018-12-02 18:16:49
End at: 2018-12-02 18:17:19
Local clock offset: 23.245 ms
Remote clock offset: 14.577 ms

Below is generated by plot.py at 2018-12-02 19:00:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 175.436 ms
Loss rate: 62.36%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 175.573 ms
Loss rate: 60.32%
-- Flow 2:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 175.335 ms
Loss rate: 66.23%
-- Flow 3:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 174.795 ms
Loss rate: 63.78%

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



Run 5: Statistics of Indigo-96d2da3

Start at: 2018-12-02 18:56:53

End at: 2018-12-02 18:57:23

Local clock offset: 7.889 ms

Remote clock offset: 42.43 ms

Below is generated by plot.py at 2018-12-02 19:01:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.58 Mbit/s

95th percentile per-packet one-way delay: 175.418 ms

Loss rate: 60.64%

-- Flow 1:

Average throughput: 23.49 Mbit/s

95th percentile per-packet one-way delay: 175.345 ms

Loss rate: 59.67%

-- Flow 2:

Average throughput: 16.65 Mbit/s

95th percentile per-packet one-way delay: 175.200 ms

Loss rate: 60.30%

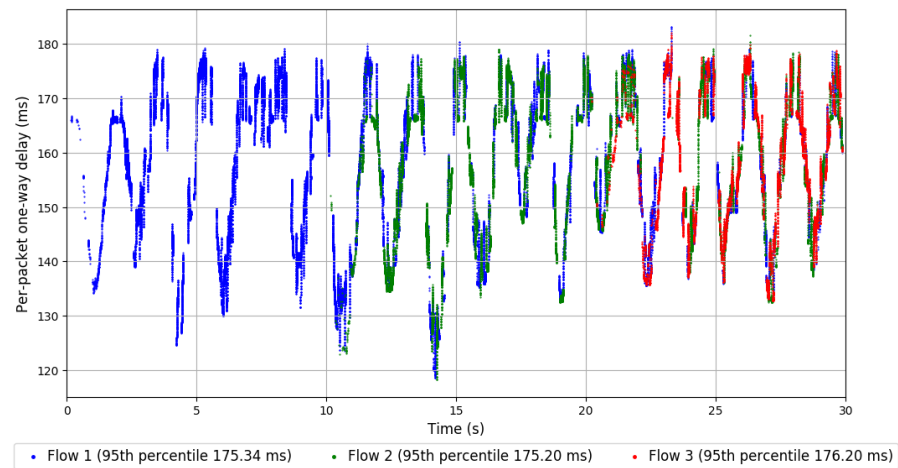
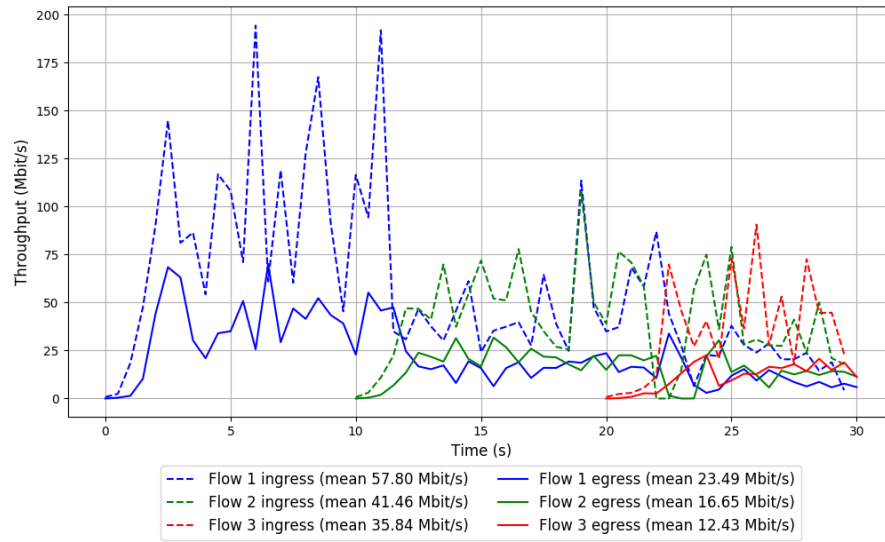
-- Flow 3:

Average throughput: 12.43 Mbit/s

95th percentile per-packet one-way delay: 176.198 ms

Loss rate: 66.13%

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

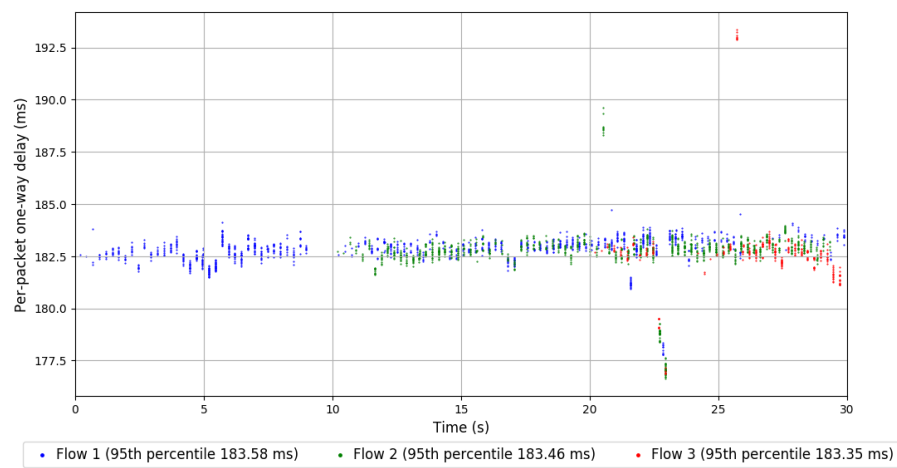
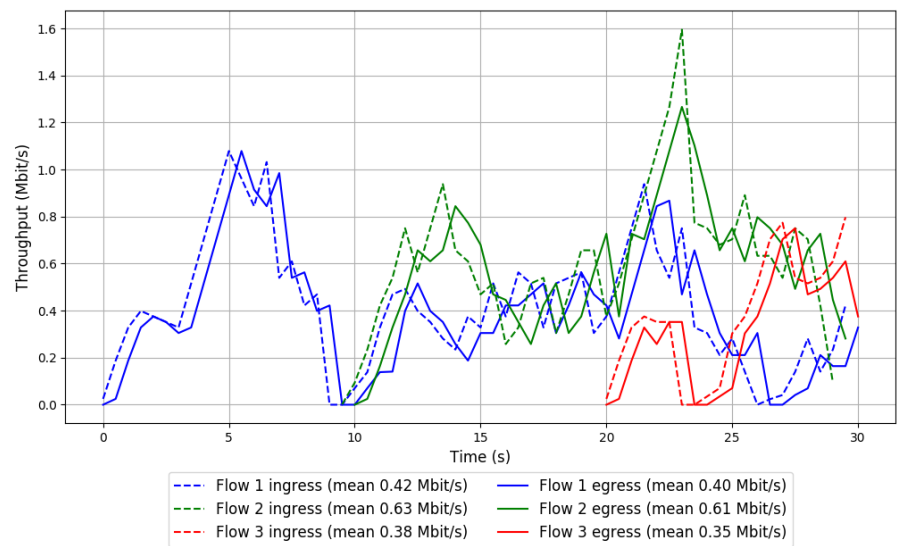


```
Run 1: Statistics of LEDBAT

Start at: 2018-12-02 15:29:59
End at: 2018-12-02 15:30:29
Local clock offset: 0.553 ms
Remote clock offset: 43.249 ms

# Below is generated by plot.py at 2018-12-02 19:01:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 183.513 ms
Loss rate: 4.81%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 183.581 ms
Loss rate: 5.28%
-- Flow 2:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 183.463 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 183.347 ms
Loss rate: 8.88%
```

Run 1: Report of LEDBAT — Data Link

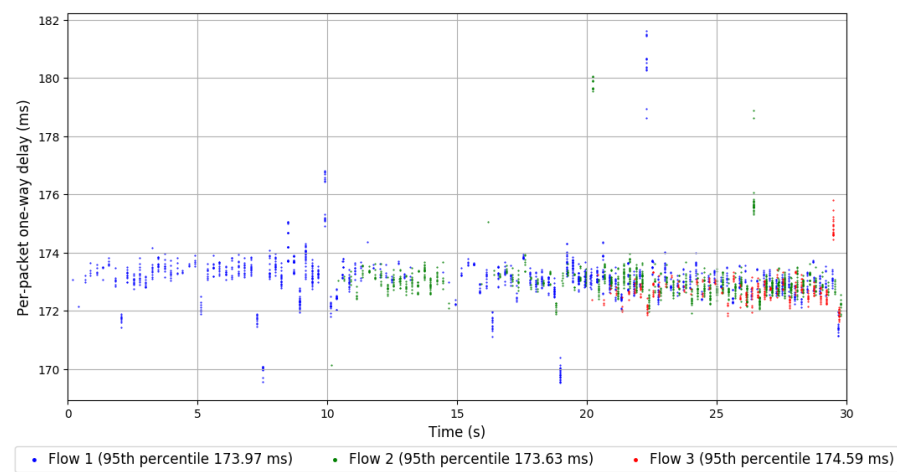
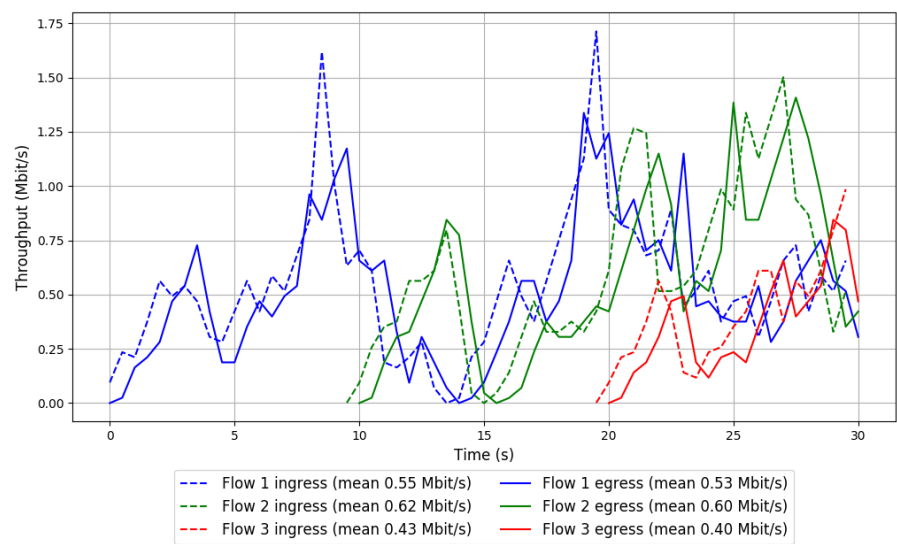


Run 2: Statistics of LEDBAT

Start at: 2018-12-02 16:29:53
End at: 2018-12-02 16:30:23
Local clock offset: 15.123 ms
Remote clock offset: 45.689 ms

Below is generated by plot.py at 2018-12-02 19:01:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 173.902 ms
Loss rate: 5.29%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 173.975 ms
Loss rate: 5.16%
-- Flow 2:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 173.630 ms
Loss rate: 3.74%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 174.591 ms
Loss rate: 10.25%

Run 2: Report of LEDBAT — Data Link

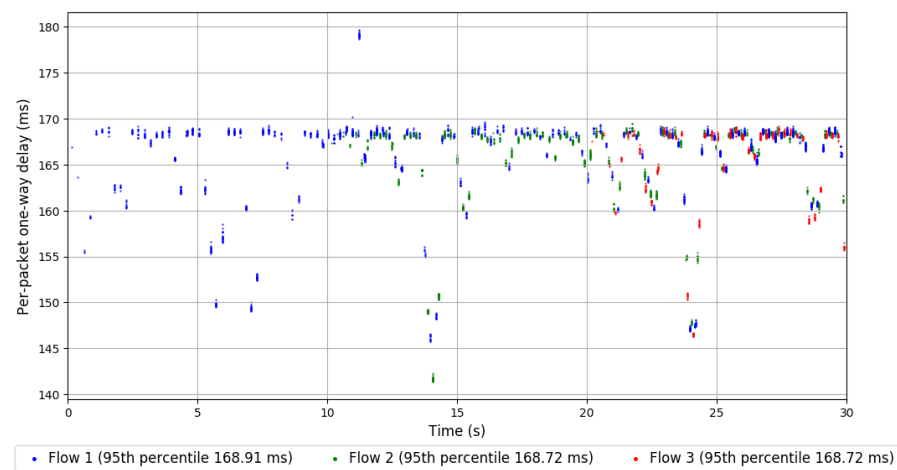
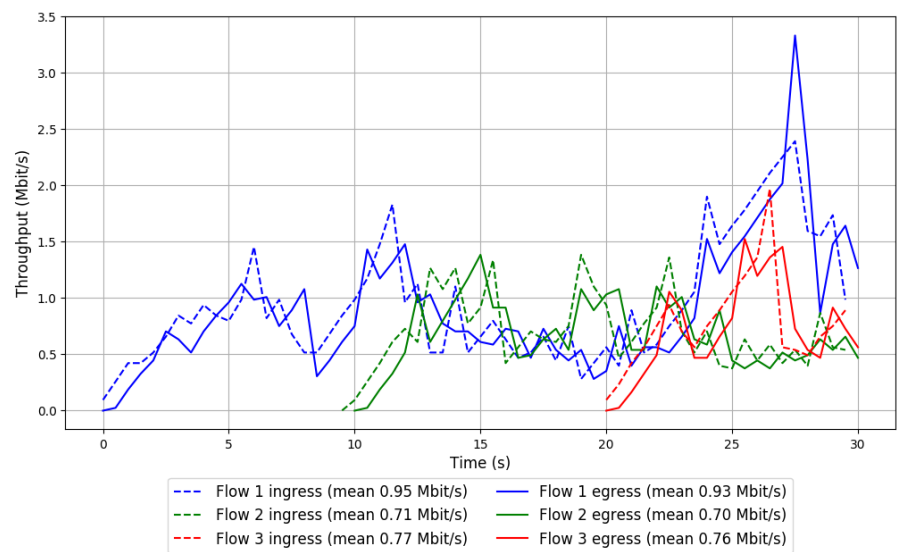


Run 3: Statistics of LEDBAT

Start at: 2018-12-02 17:25:39
End at: 2018-12-02 17:26:09
Local clock offset: 2.785 ms
Remote clock offset: 37.764 ms

Below is generated by plot.py at 2018-12-02 19:01:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 168.849 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 168.915 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 168.723 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 168.715 ms
Loss rate: 3.51%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-12-02 18:15:28

End at: 2018-12-02 18:15:58

Local clock offset: 22.755 ms

Remote clock offset: 15.77 ms

Below is generated by plot.py at 2018-12-02 19:01:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 165.963 ms

Loss rate: 3.74%

-- Flow 1:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 166.025 ms

Loss rate: 3.23%

-- Flow 2:

Average throughput: 0.81 Mbit/s

95th percentile per-packet one-way delay: 165.817 ms

Loss rate: 3.68%

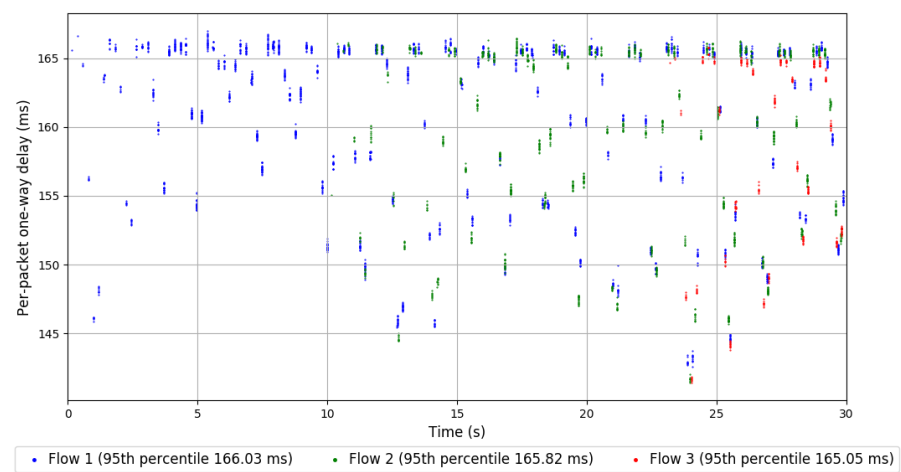
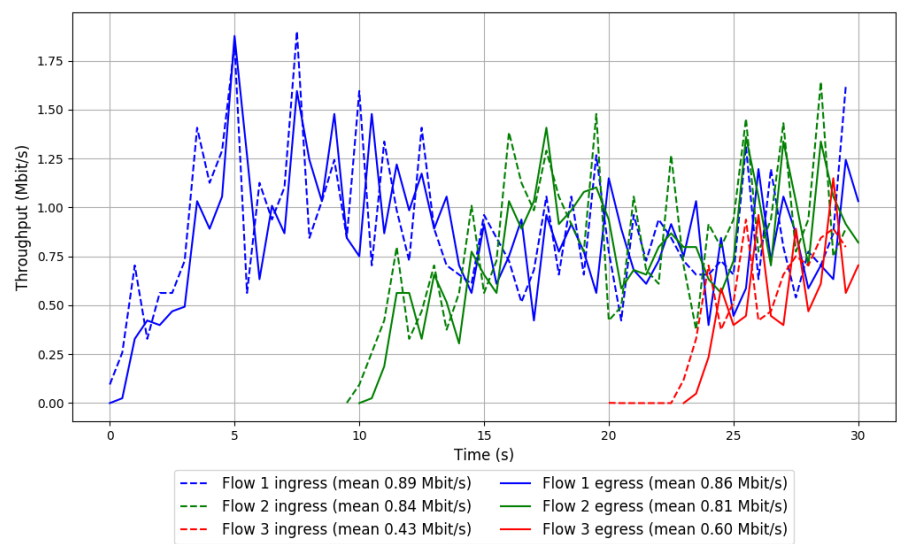
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 165.049 ms

Loss rate: 7.18%

Run 4: Report of LEDBAT — Data Link

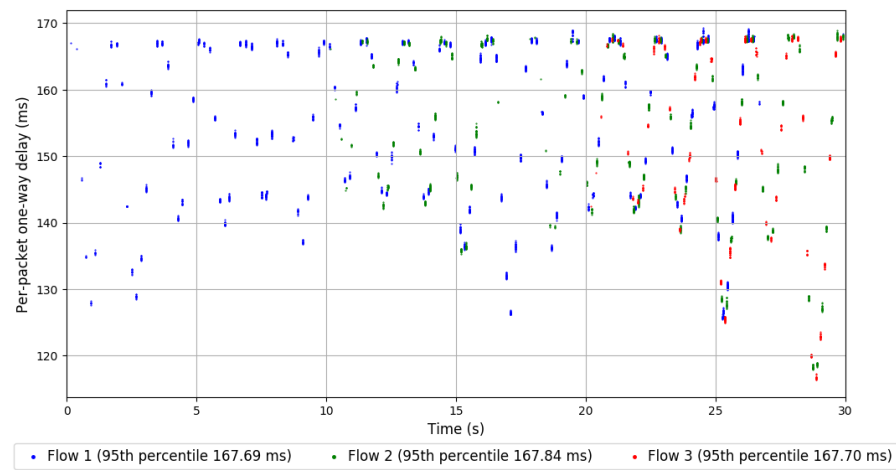
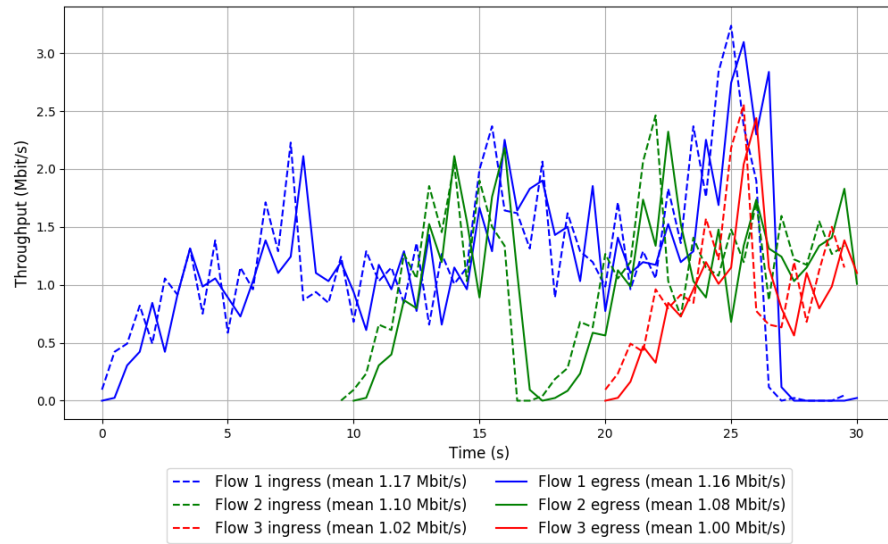


Run 5: Statistics of LEDBAT

Start at: 2018-12-02 18:55:32
End at: 2018-12-02 18:56:02
Local clock offset: 10.284 ms
Remote clock offset: 41.606 ms

Below is generated by plot.py at 2018-12-02 19:01:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 167.738 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 167.686 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 167.835 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 167.697 ms
Loss rate: 3.87%

Run 5: Report of LEDBAT — Data Link

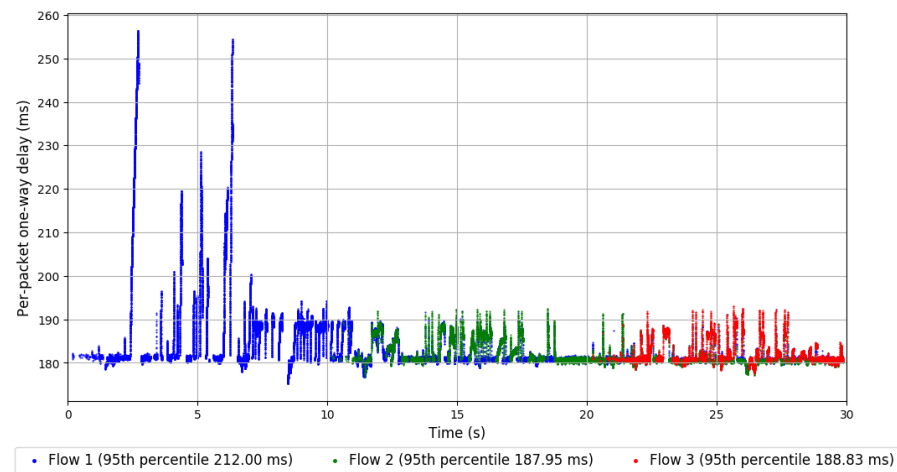
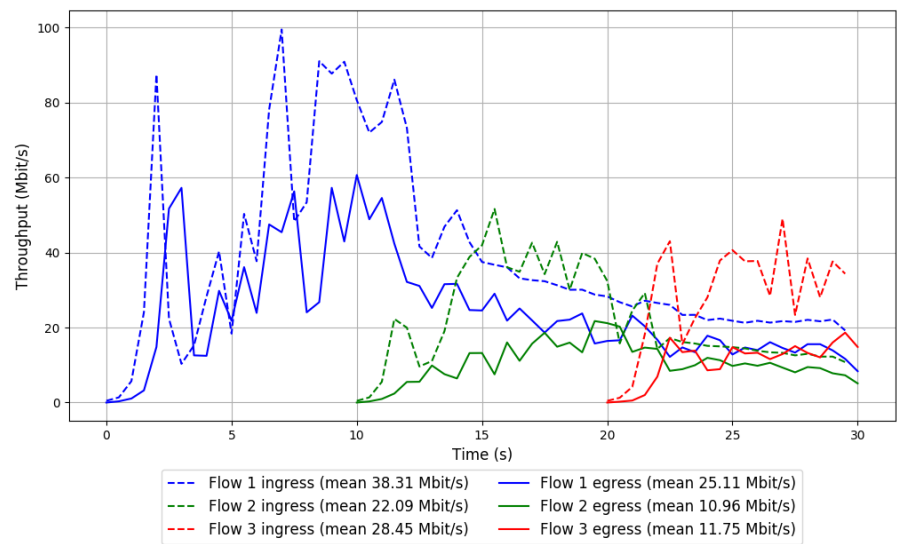


Run 1: Statistics of Indigo-Muses

Start at: 2018-12-02 15:07:08
End at: 2018-12-02 15:07:38
Local clock offset: 2.474 ms
Remote clock offset: -36.734 ms

Below is generated by plot.py at 2018-12-02 19:01:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 203.168 ms
Loss rate: 42.48%
-- Flow 1:
Average throughput: 25.11 Mbit/s
95th percentile per-packet one-way delay: 211.996 ms
Loss rate: 34.99%
-- Flow 2:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 187.953 ms
Loss rate: 51.00%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 188.831 ms
Loss rate: 59.69%

Run 1: Report of Indigo-Muses — Data Link



Run 2: Statistics of Indigo-Muses

Start at: 2018-12-02 16:08:42

End at: 2018-12-02 16:09:12

Local clock offset: 1.569 ms

Remote clock offset: 46.84 ms

Below is generated by plot.py at 2018-12-02 19:01:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 182.238 ms

Loss rate: 21.41%

-- Flow 1:

Average throughput: 22.36 Mbit/s

95th percentile per-packet one-way delay: 182.362 ms

Loss rate: 21.09%

-- Flow 2:

Average throughput: 12.83 Mbit/s

95th percentile per-packet one-way delay: 181.504 ms

Loss rate: 23.46%

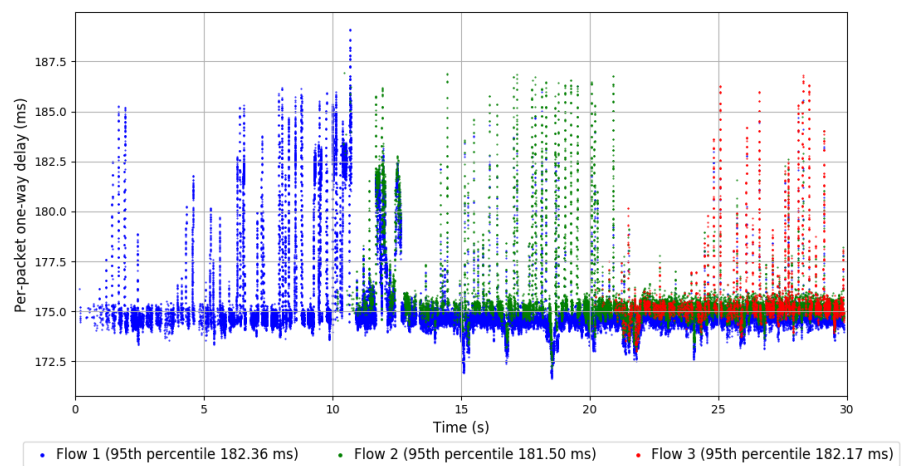
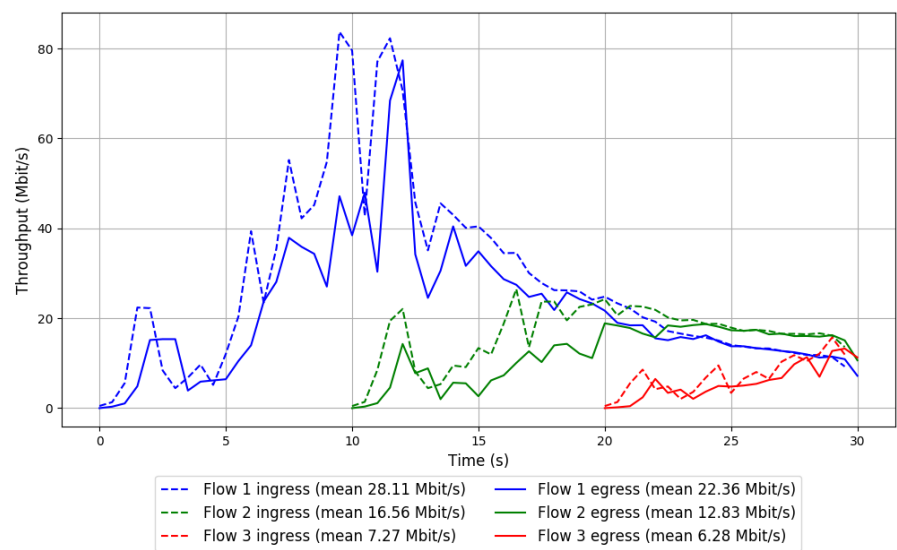
-- Flow 3:

Average throughput: 6.28 Mbit/s

95th percentile per-packet one-way delay: 182.169 ms

Loss rate: 15.68%

Run 2: Report of Indigo-Muses — Data Link

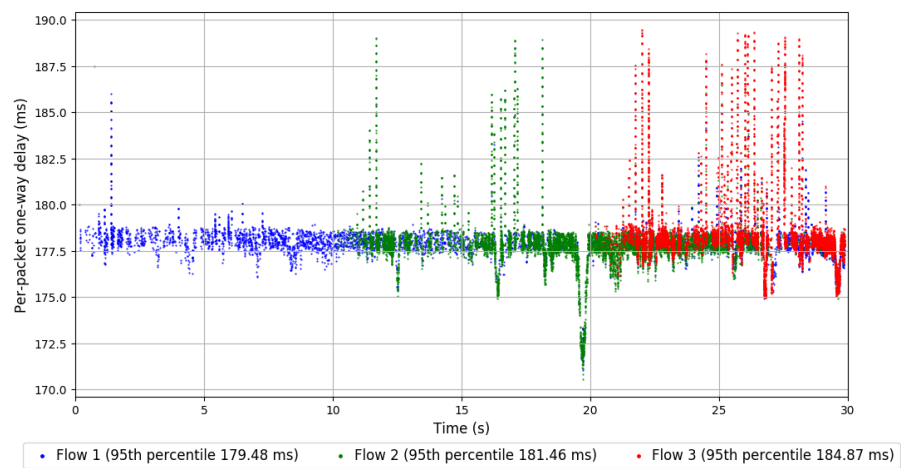
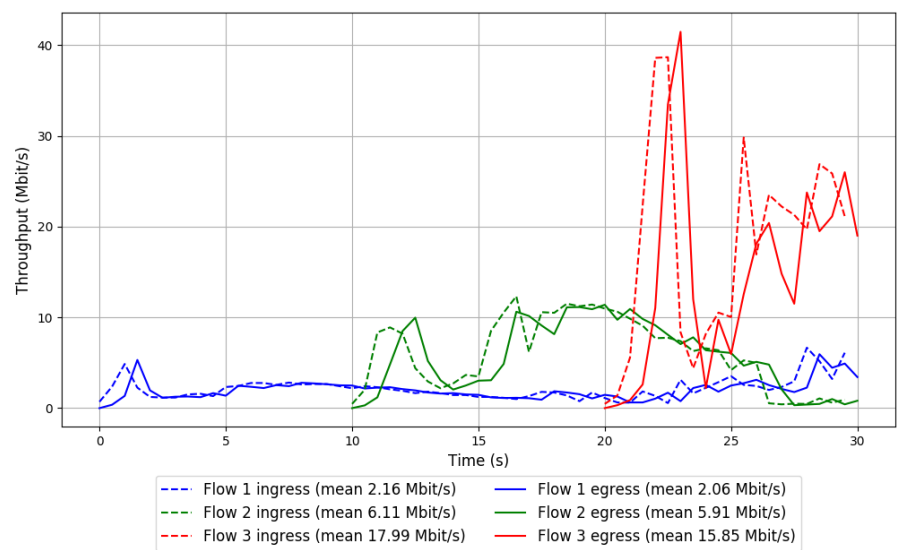


Run 3: Statistics of Indigo-Muses

Start at: 2018-12-02 17:08:59
End at: 2018-12-02 17:09:29
Local clock offset: 11.034 ms
Remote clock offset: 30.827 ms

```
# Below is generated by plot.py at 2018-12-02 19:01:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 183.041 ms
Loss rate: 9.03%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 179.477 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 181.457 ms
Loss rate: 3.84%
-- Flow 3:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 184.869 ms
Loss rate: 13.88%
```

Run 3: Report of Indigo-Muses — Data Link

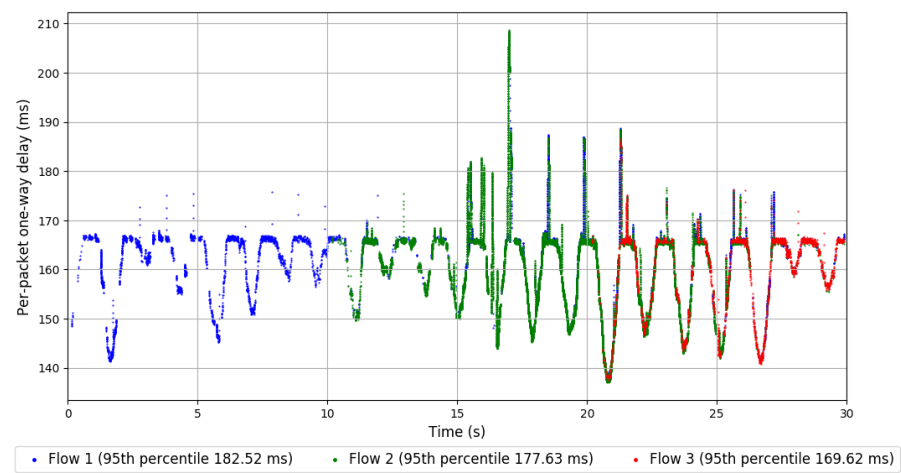
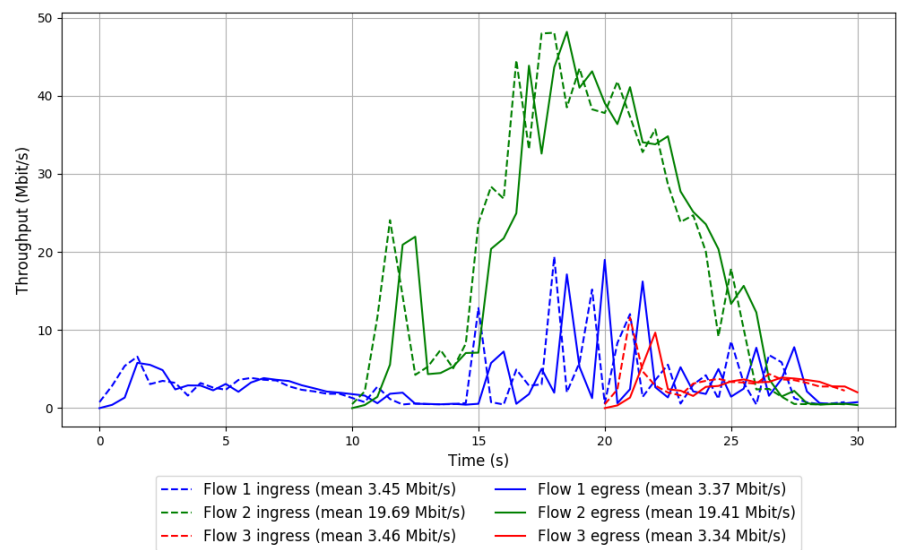


Run 4: Statistics of Indigo-Muses

Start at: 2018-12-02 17:58:06
End at: 2018-12-02 17:58:36
Local clock offset: 13.476 ms
Remote clock offset: 27.196 ms

Below is generated by plot.py at 2018-12-02 19:01:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.33 Mbit/s
95th percentile per-packet one-way delay: 179.416 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 182.517 ms
Loss rate: 3.03%
-- Flow 2:
Average throughput: 19.41 Mbit/s
95th percentile per-packet one-way delay: 177.629 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 169.619 ms
Loss rate: 5.54%

Run 4: Report of Indigo-Muses — Data Link

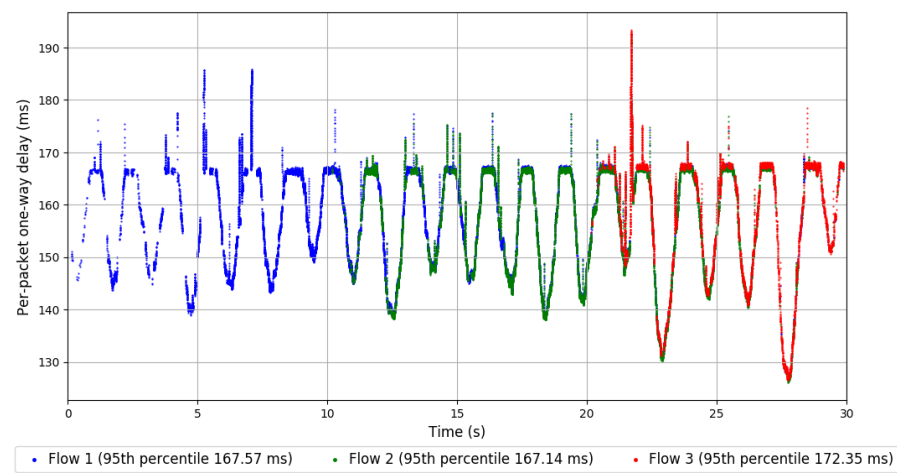
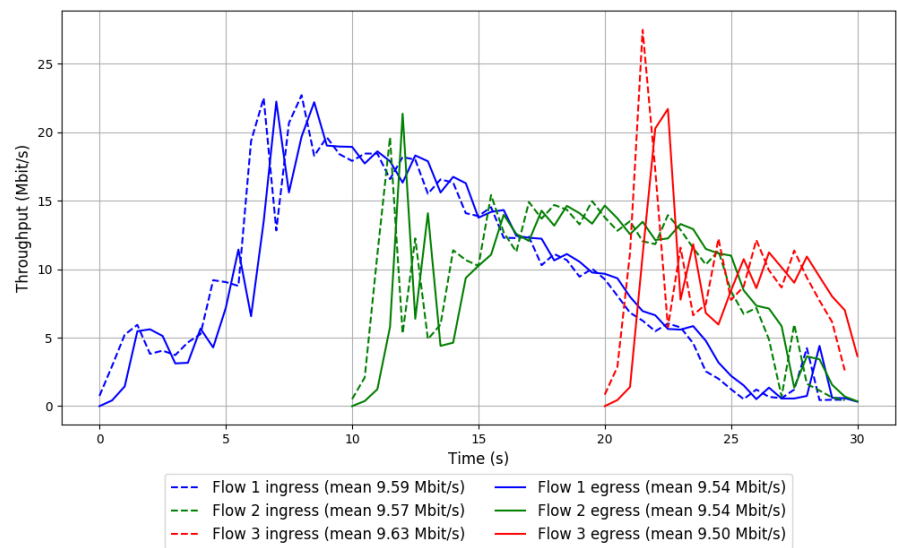


Run 5: Statistics of Indigo-Muses

Start at: 2018-12-02 18:39:38
End at: 2018-12-02 18:40:08
Local clock offset: 28.333 ms
Remote clock offset: 22.505 ms

```
# Below is generated by plot.py at 2018-12-02 19:01:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 167.882 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 167.568 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 167.142 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 172.352 ms
Loss rate: 1.71%
```

Run 5: Report of Indigo-Muses — Data Link

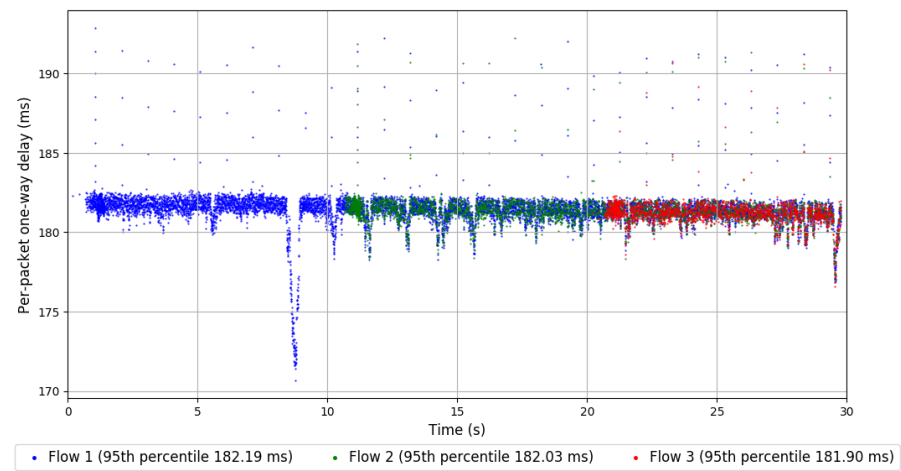
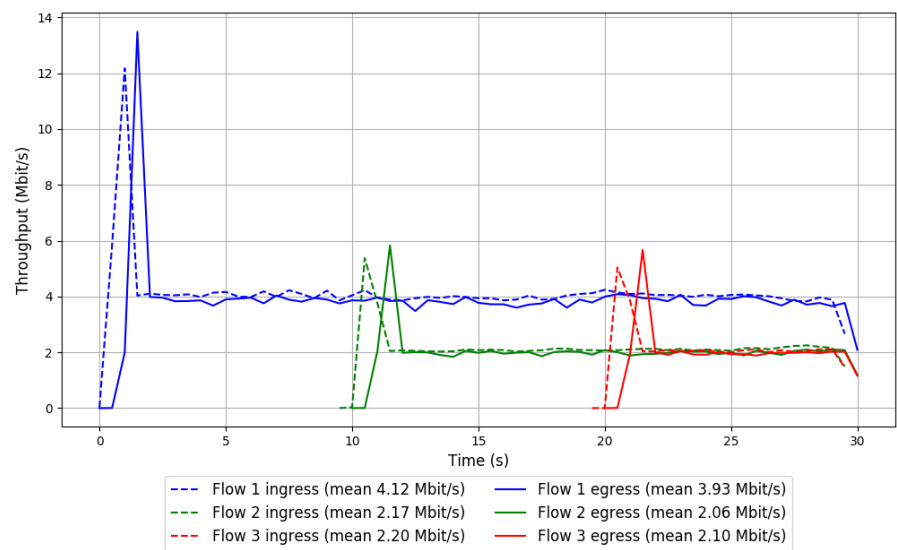


Run 1: Statistics of PCC-Allegro

Start at: 2018-12-02 15:03:12
End at: 2018-12-02 15:03:42
Local clock offset: 2.052 ms
Remote clock offset: -33.729 ms

Below is generated by plot.py at 2018-12-02 19:01:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 182.141 ms
Loss rate: 5.78%
-- Flow 1:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 182.190 ms
Loss rate: 5.35%
-- Flow 2:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 182.035 ms
Loss rate: 6.46%
-- Flow 3:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 181.902 ms
Loss rate: 6.84%

Run 1: Report of PCC-Allegro — Data Link

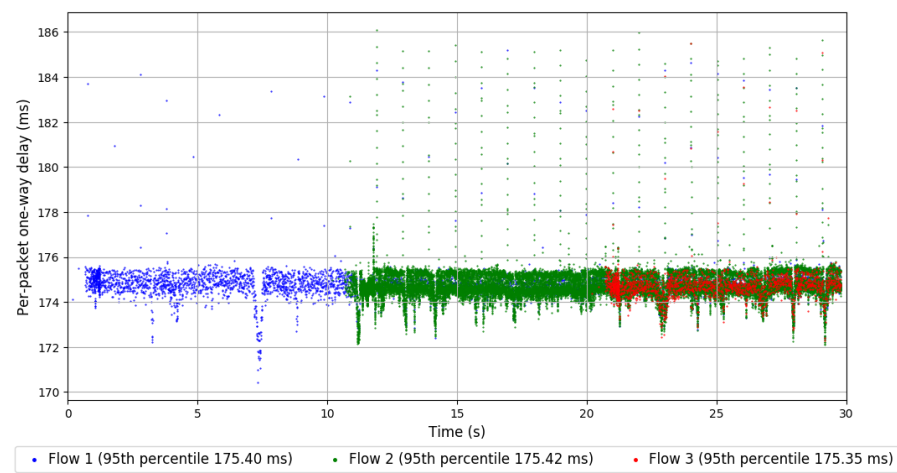
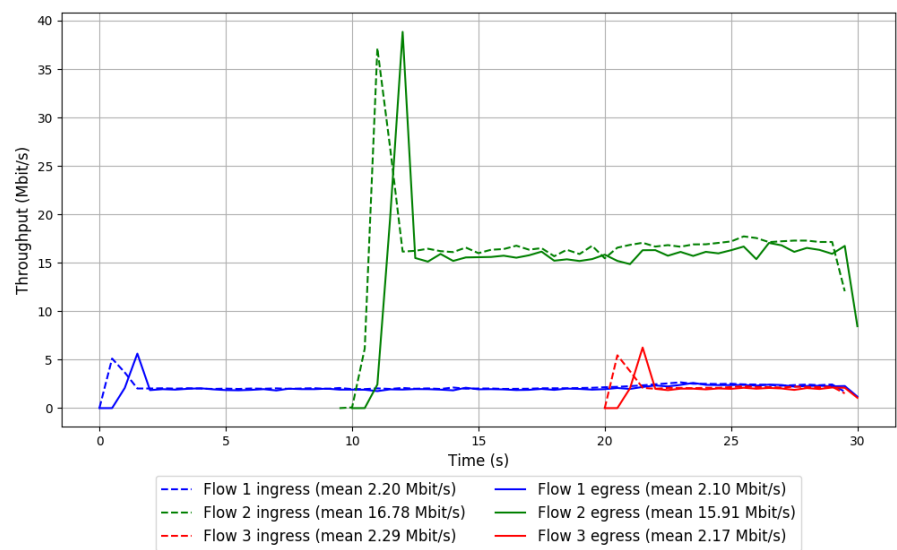


Run 2: Statistics of PCC-Allegro

Start at: 2018-12-02 16:03:32
End at: 2018-12-02 16:04:02
Local clock offset: 1.436 ms
Remote clock offset: 47.263 ms

Below is generated by plot.py at 2018-12-02 19:01:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 175.415 ms
Loss rate: 6.24%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 175.402 ms
Loss rate: 5.50%
-- Flow 2:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 175.421 ms
Loss rate: 6.30%
-- Flow 3:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 175.351 ms
Loss rate: 7.63%

Run 2: Report of PCC-Allegro — Data Link

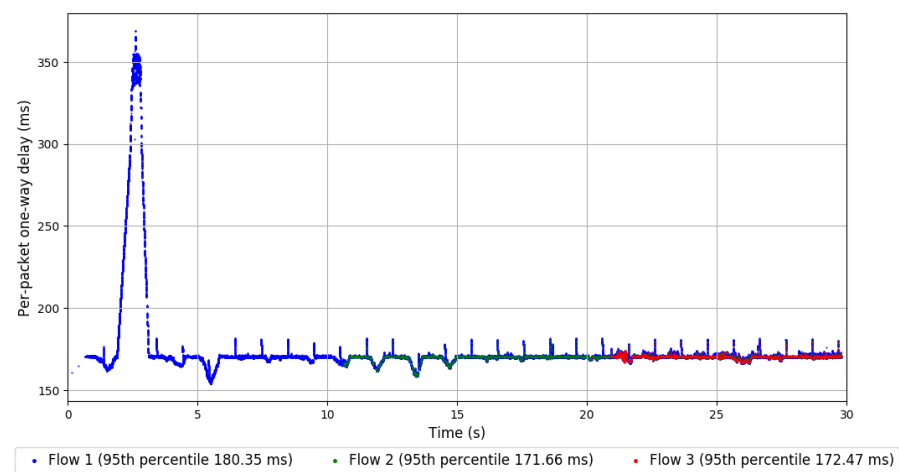
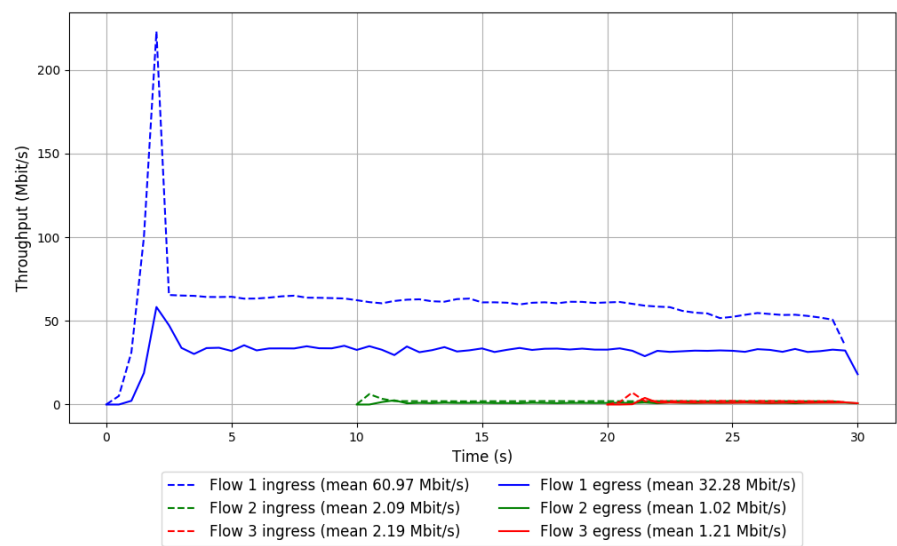


Run 3: Statistics of PCC-Allegro

Start at: 2018-12-02 17:02:11
End at: 2018-12-02 17:02:41
Local clock offset: 12.244 ms
Remote clock offset: 41.121 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 179.812 ms
Loss rate: 47.54%
-- Flow 1:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 180.353 ms
Loss rate: 47.46%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 171.655 ms
Loss rate: 51.76%
-- Flow 3:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 172.465 ms
Loss rate: 46.00%

Run 3: Report of PCC-Allegro — Data Link

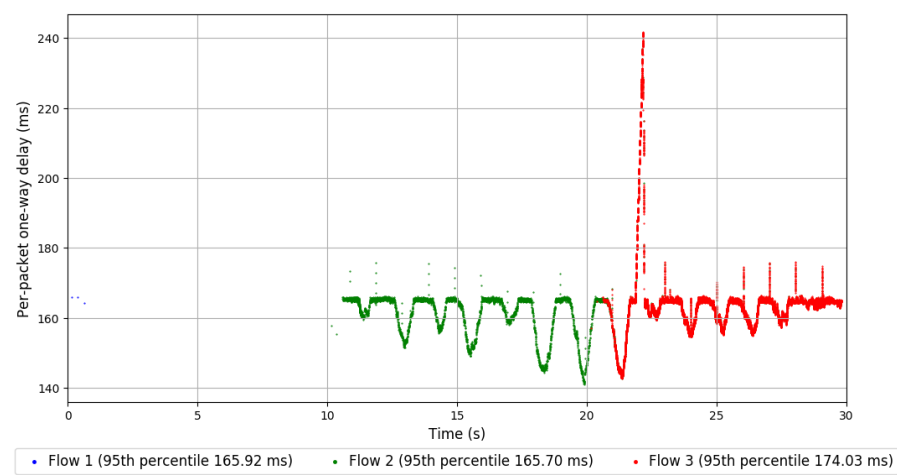
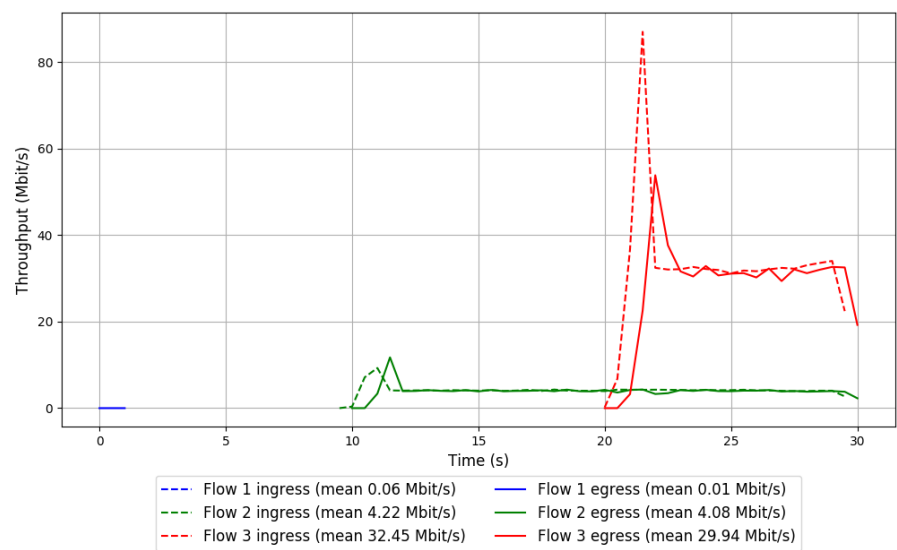


Run 4: Statistics of PCC-Allegro

Start at: 2018-12-02 17:54:18
End at: 2018-12-02 17:54:48
Local clock offset: 9.135 ms
Remote clock offset: 28.495 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 166.783 ms
Loss rate: 8.54%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 165.922 ms
Loss rate: 89.82%
-- Flow 2:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 165.700 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 174.029 ms
Loss rate: 9.67%

Run 4: Report of PCC-Allegro — Data Link

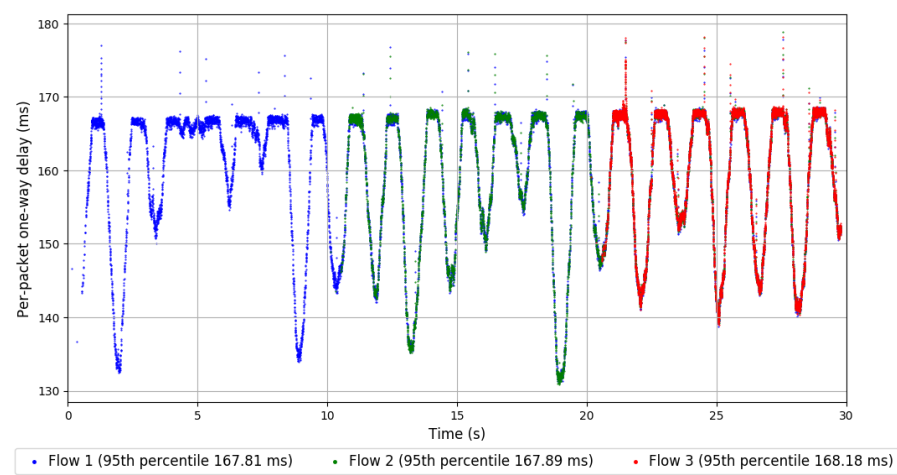
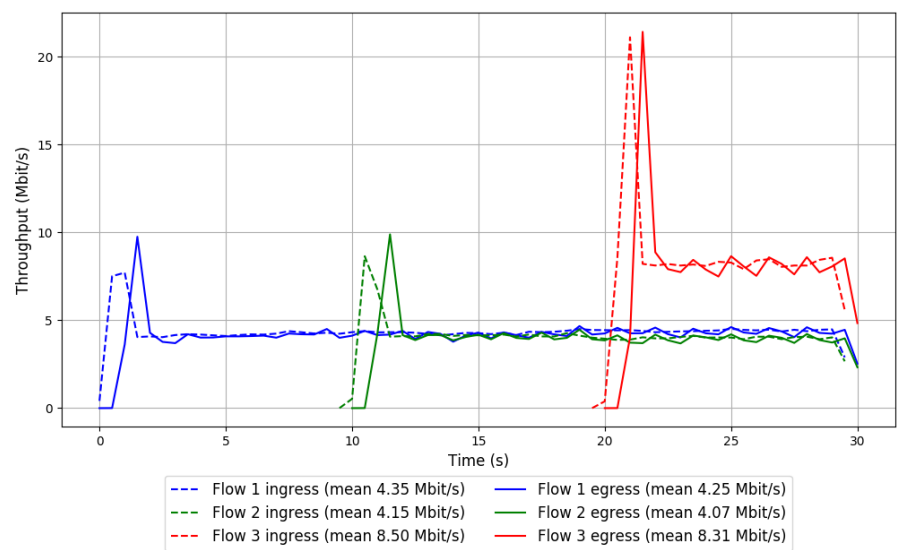


Run 5: Statistics of PCC-Allegro

Start at: 2018-12-02 18:36:32
End at: 2018-12-02 18:37:02
Local clock offset: 27.812 ms
Remote clock offset: 13.614 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 167.981 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 167.810 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 167.892 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 168.184 ms
Loss rate: 4.20%

Run 5: Report of PCC-Allegro — Data Link

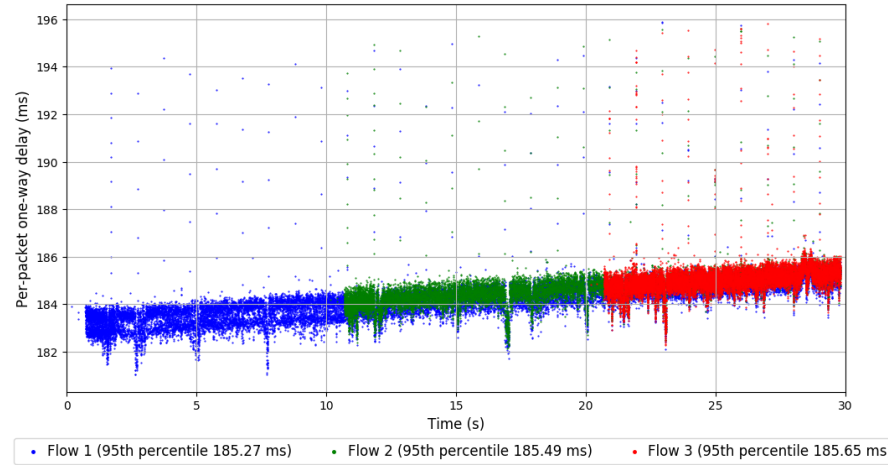
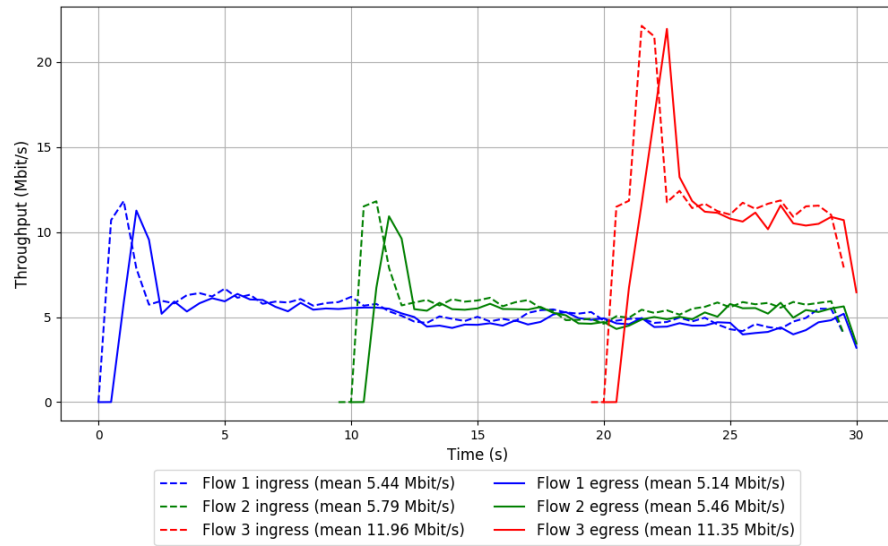


```
Run 1: Statistics of PCC-Expr

Start at: 2018-12-02 15:17:45
End at: 2018-12-02 15:18:15
Local clock offset: 2.944 ms
Remote clock offset: 11.129 ms

# Below is generated by plot.py at 2018-12-02 19:01:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 185.503 ms
Loss rate: 6.84%
-- Flow 1:
Average throughput: 5.14 Mbit/s
95th percentile per-packet one-way delay: 185.269 ms
Loss rate: 6.28%
-- Flow 2:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 185.489 ms
Loss rate: 6.94%
-- Flow 3:
Average throughput: 11.35 Mbit/s
95th percentile per-packet one-way delay: 185.650 ms
Loss rate: 7.51%
```

Run 1: Report of PCC-Expr — Data Link

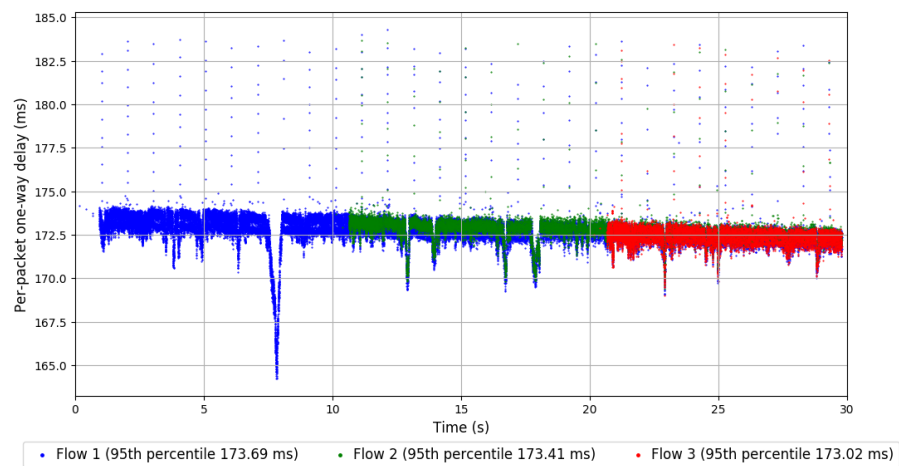
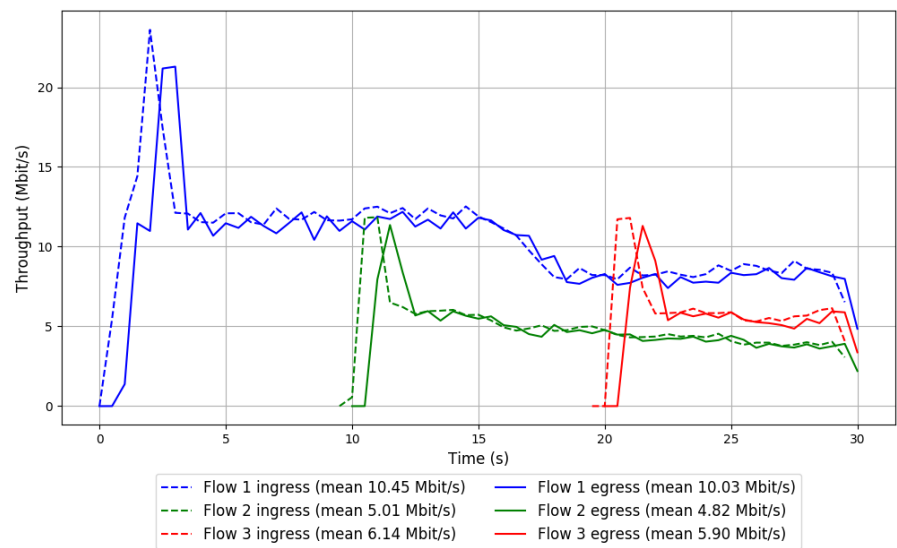


Run 2: Statistics of PCC-Expr

Start at: 2018-12-02 16:18:07
End at: 2018-12-02 16:18:37
Local clock offset: 2.123 ms
Remote clock offset: 48.708 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 173.624 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 10.03 Mbit/s
95th percentile per-packet one-way delay: 173.689 ms
Loss rate: 4.86%
-- Flow 2:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 173.408 ms
Loss rate: 5.05%
-- Flow 3:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 173.017 ms
Loss rate: 6.21%

Run 2: Report of PCC-Expr — Data Link

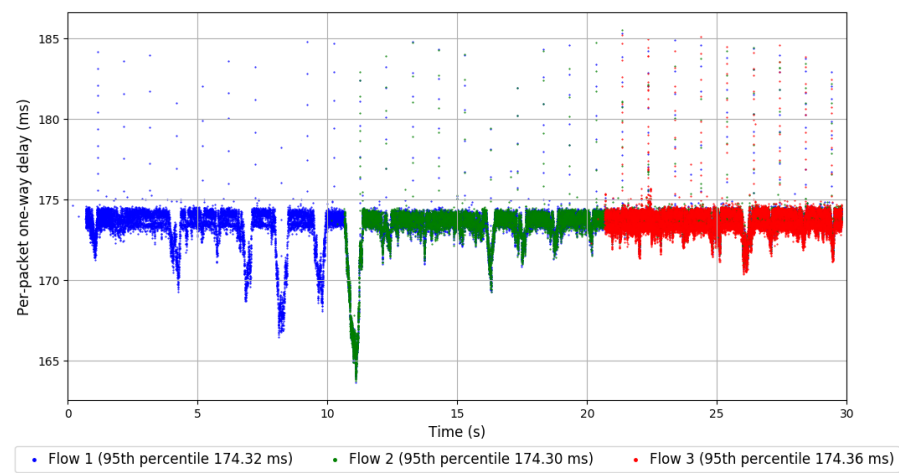
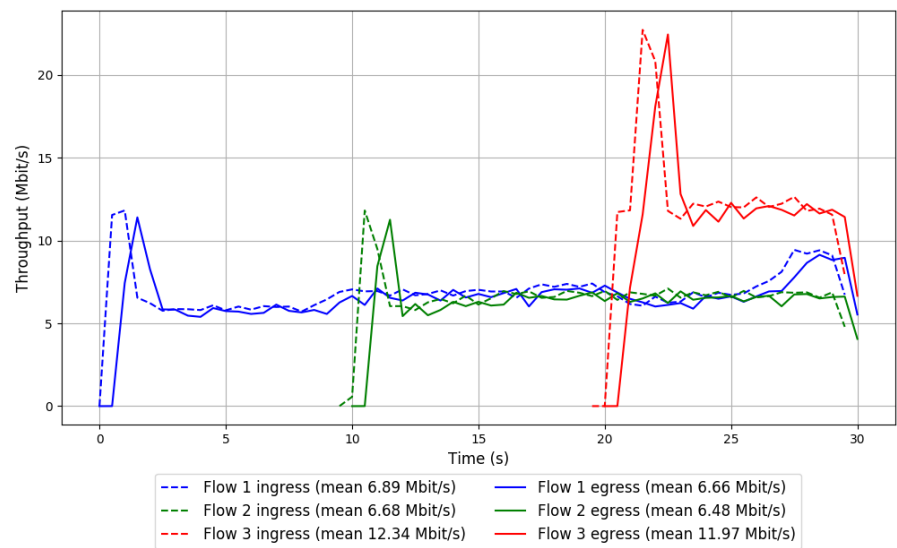


Run 3: Statistics of PCC-Expr

Start at: 2018-12-02 17:17:08
End at: 2018-12-02 17:17:38
Local clock offset: 10.788 ms
Remote clock offset: 33.136 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 174.323 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 174.316 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 174.299 ms
Loss rate: 4.02%
-- Flow 3:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 174.362 ms
Loss rate: 5.27%

Run 3: Report of PCC-Expr — Data Link

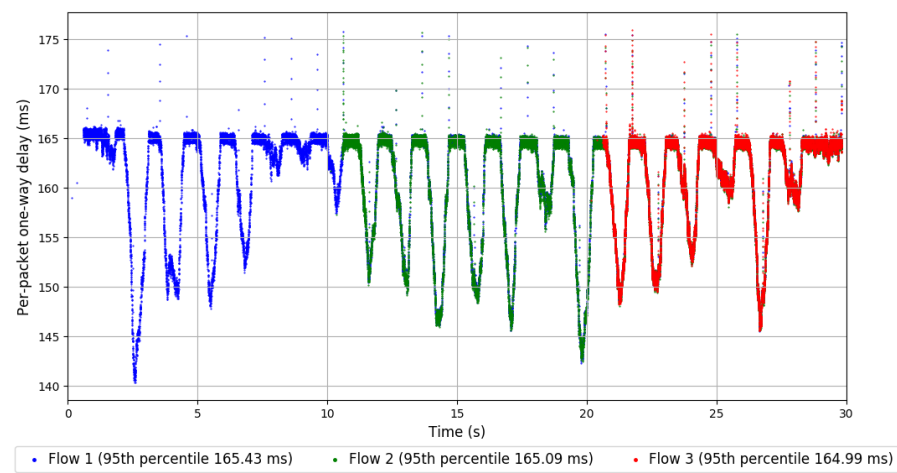
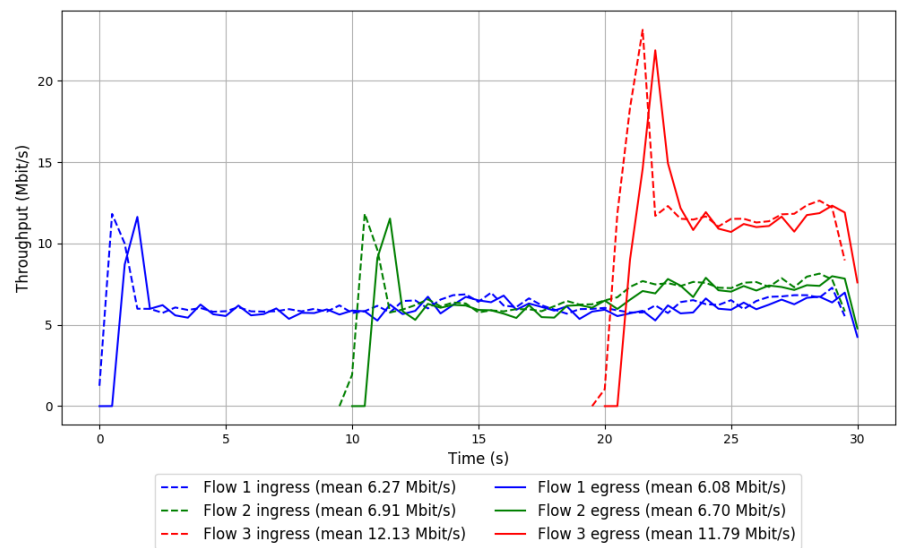


Run 4: Statistics of PCC-Expr

Start at: 2018-12-02 18:06:51
End at: 2018-12-02 18:07:21
Local clock offset: 19.394 ms
Remote clock offset: 21.251 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.37 Mbit/s
95th percentile per-packet one-way delay: 165.233 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 165.427 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 165.090 ms
Loss rate: 4.02%
-- Flow 3:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 164.990 ms
Loss rate: 4.78%

Run 4: Report of PCC-Expr — Data Link

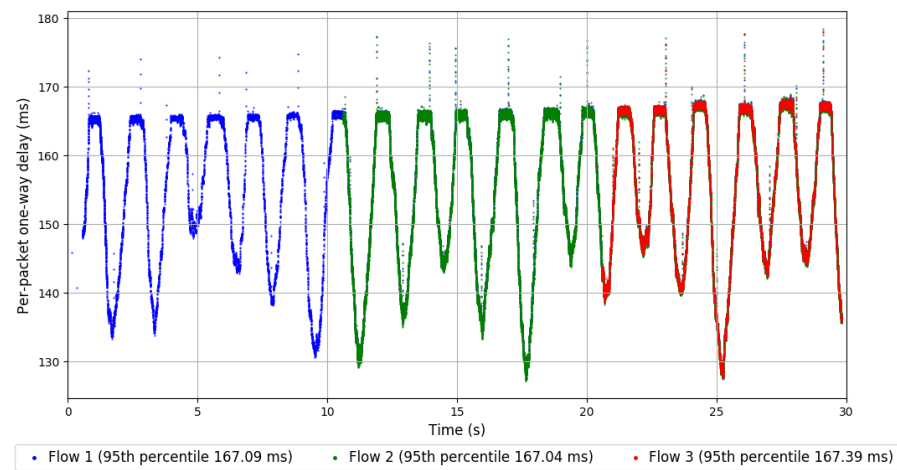
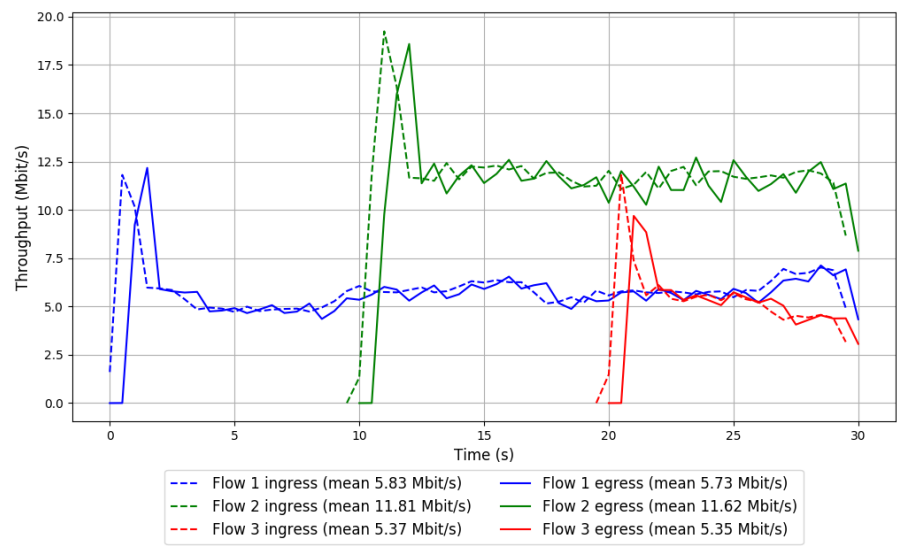


Run 5: Statistics of PCC-Expr

Start at: 2018-12-02 18:47:27
End at: 2018-12-02 18:47:57
Local clock offset: 29.881 ms
Remote clock offset: 36.226 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 167.136 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 167.092 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 167.038 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 167.390 ms
Loss rate: 2.62%

Run 5: Report of PCC-Expr — Data Link

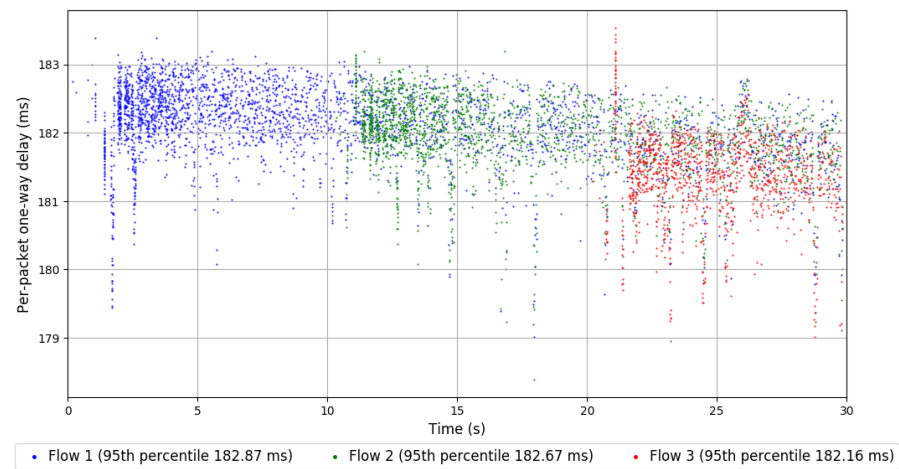
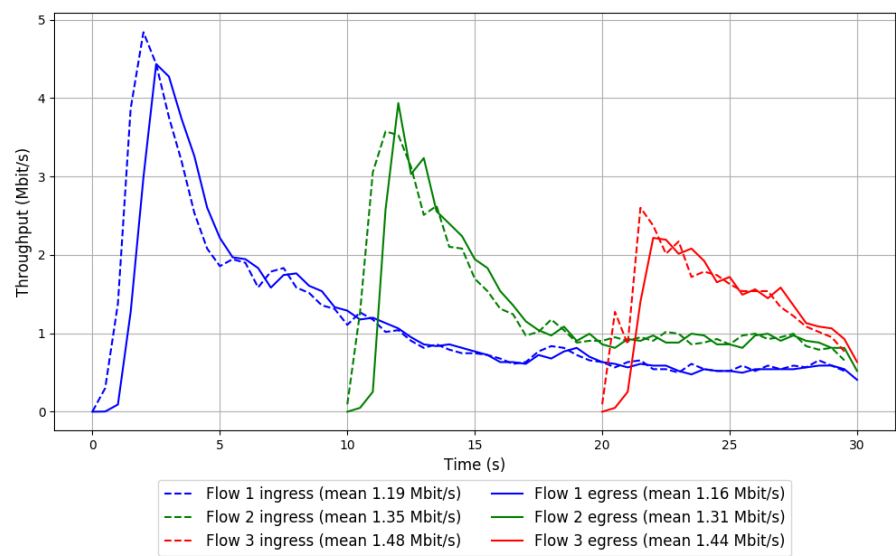


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-12-02 14:52:59
End at: 2018-12-02 14:53:29
Local clock offset: 0.892 ms
Remote clock offset: -22.923 ms

# Below is generated by plot.py at 2018-12-02 19:01:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 182.784 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 182.866 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 182.667 ms
Loss rate: 4.12%
-- Flow 3:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 182.164 ms
Loss rate: 5.03%
```

Run 1: Report of QUIC Cubic — Data Link

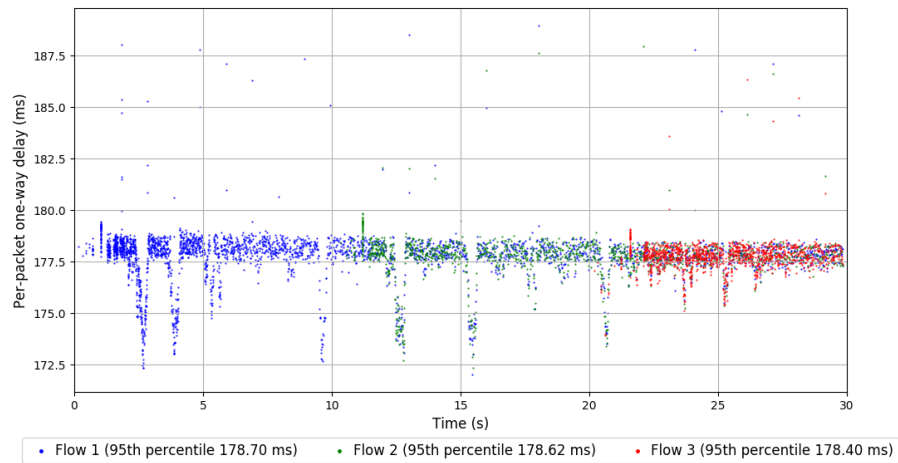
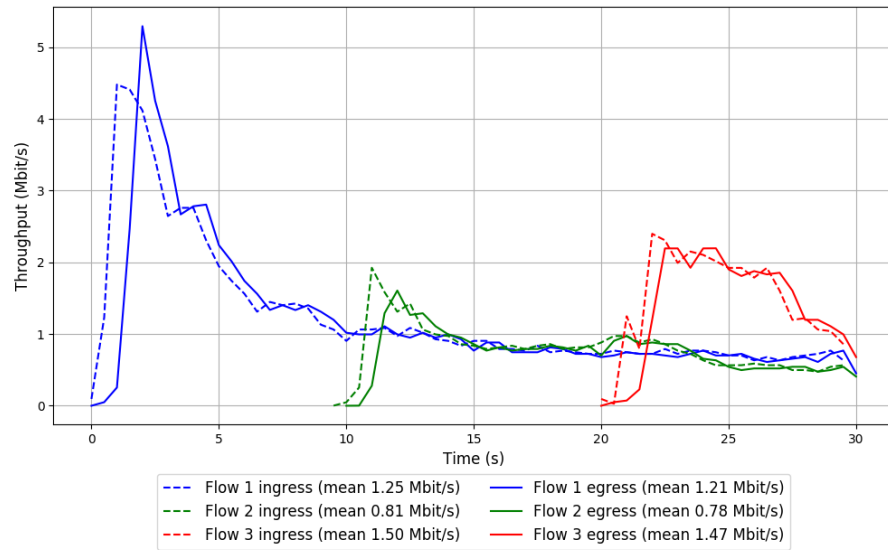


Run 2: Statistics of QUIC Cubic

Start at: 2018-12-02 15:52:23
End at: 2018-12-02 15:52:53
Local clock offset: 0.632 ms
Remote clock offset: 48.952 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 178.649 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 178.698 ms
Loss rate: 3.93%
-- Flow 2:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 178.617 ms
Loss rate: 5.27%
-- Flow 3:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 178.396 ms
Loss rate: 4.57%

Run 2: Report of QUIC Cubic — Data Link

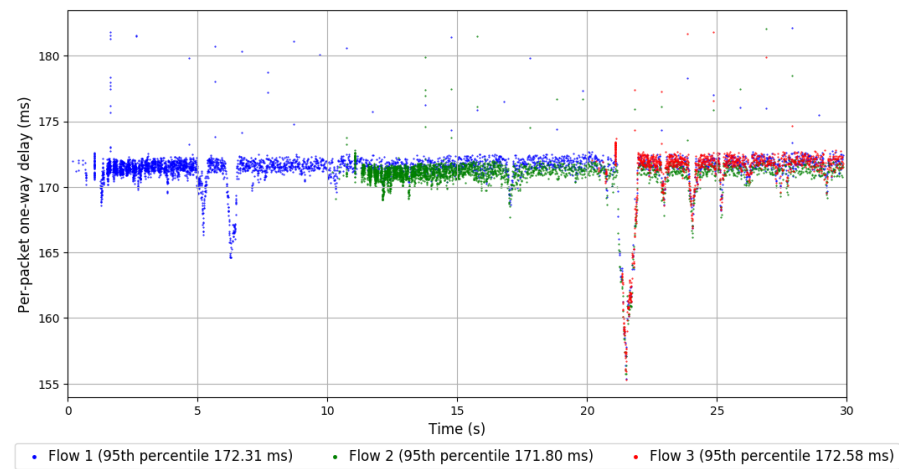
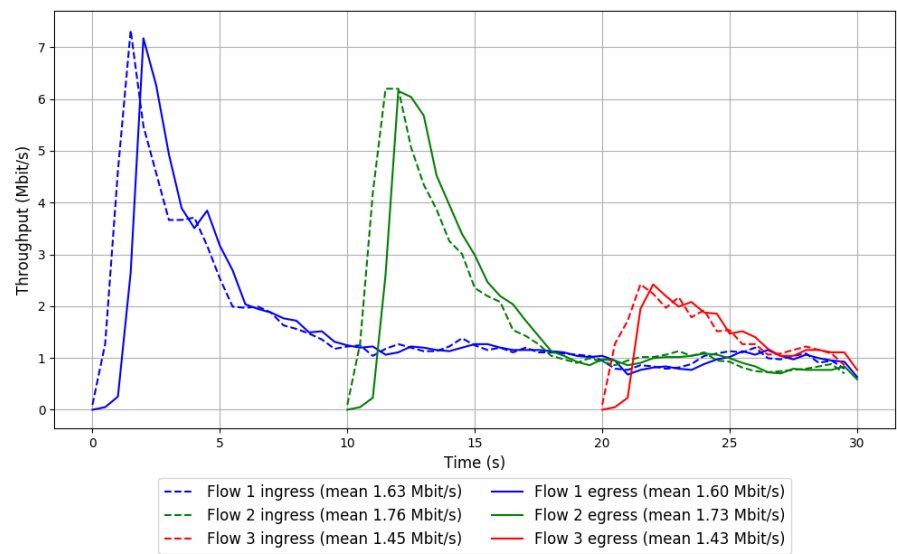


Run 3: Statistics of QUIC Cubic

Start at: 2018-12-02 16:50:08
End at: 2018-12-02 16:50:38
Local clock offset: 19.107 ms
Remote clock offset: 48.386 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 172.322 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 172.306 ms
Loss rate: 2.74%
-- Flow 2:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 171.800 ms
Loss rate: 3.22%
-- Flow 3:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 172.577 ms
Loss rate: 4.24%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-12-02 17:45:24

End at: 2018-12-02 17:45:54

Local clock offset: -3.614 ms

Remote clock offset: 30.33 ms

Below is generated by plot.py at 2018-12-02 19:01:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 167.246 ms

Loss rate: 2.69%

-- Flow 1:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 167.154 ms

Loss rate: 2.79%

-- Flow 2:

Average throughput: 4.10 Mbit/s

95th percentile per-packet one-way delay: 167.303 ms

Loss rate: 2.37%

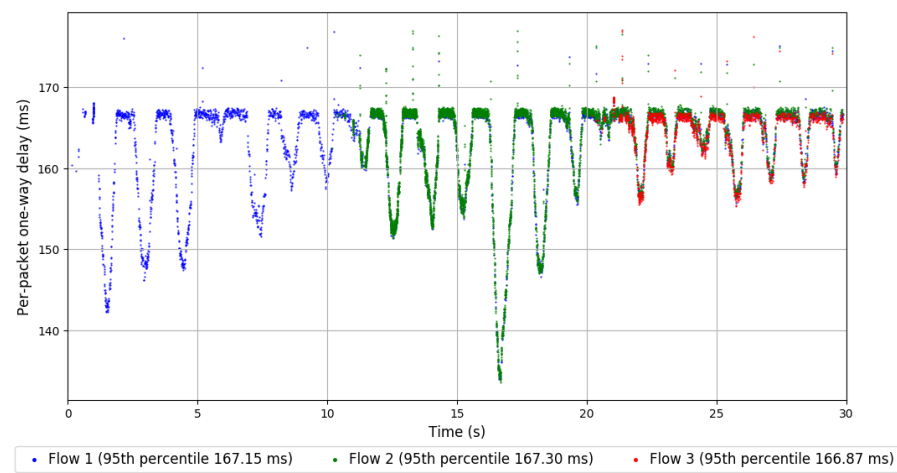
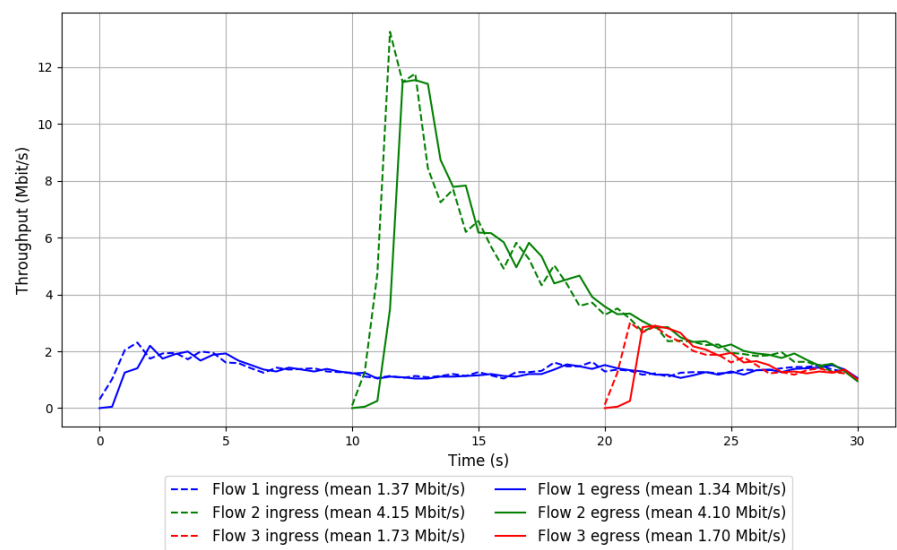
-- Flow 3:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 166.865 ms

Loss rate: 3.95%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-12-02 18:30:56

End at: 2018-12-02 18:31:26

Local clock offset: 26.605 ms

Remote clock offset: 9.072 ms

Below is generated by plot.py at 2018-12-02 19:01:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 165.730 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 165.845 ms

Loss rate: 2.10%

-- Flow 2:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 165.637 ms

Loss rate: 2.06%

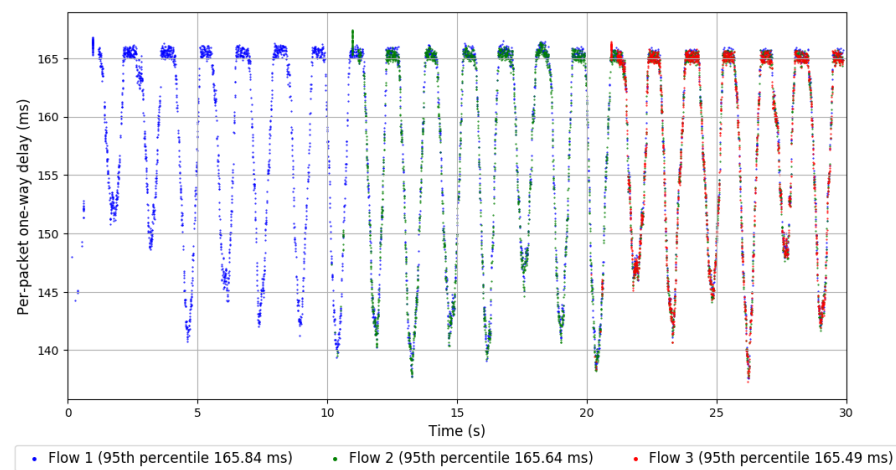
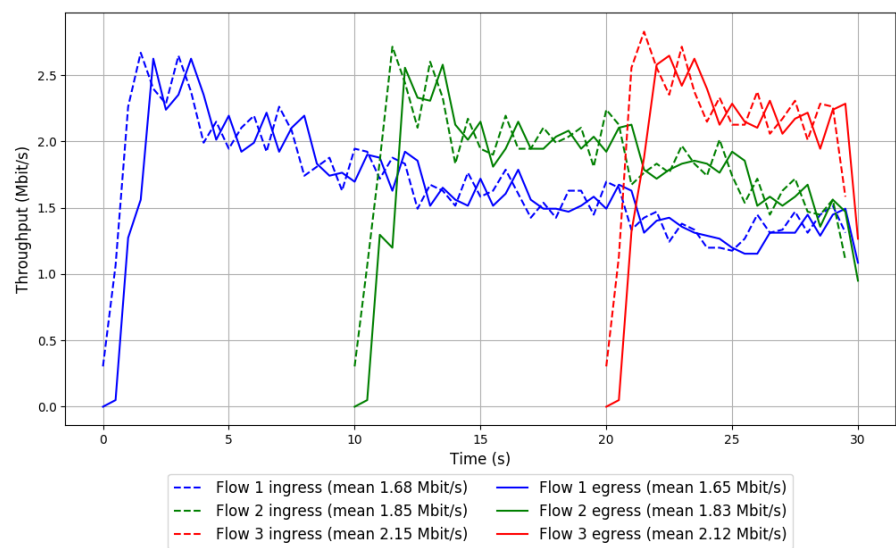
-- Flow 3:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 165.485 ms

Loss rate: 3.61%

Run 5: Report of QUIC Cubic — Data Link

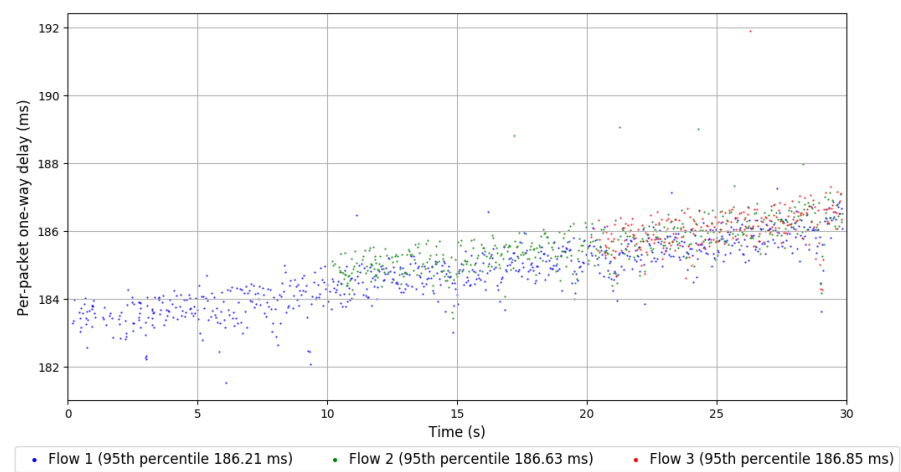
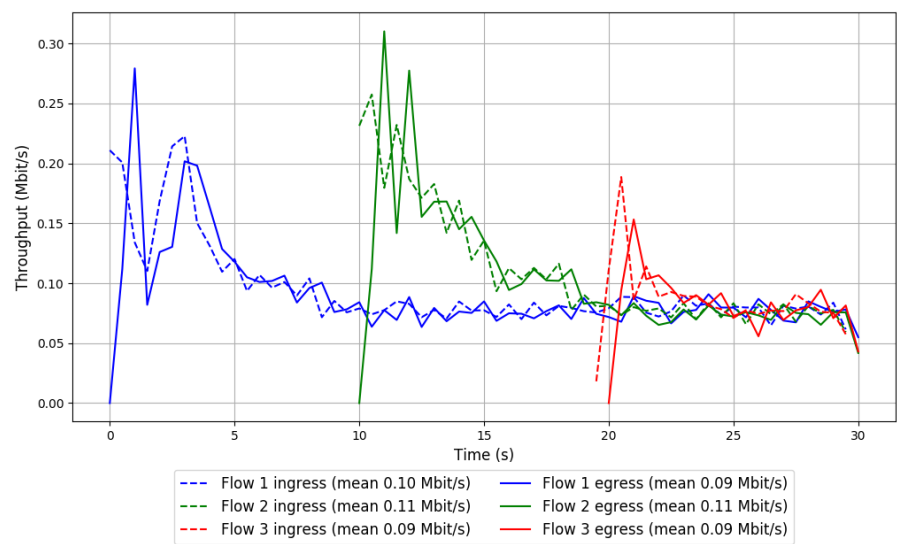


Run 1: Statistics of SCReAM

Start at: 2018-12-02 15:12:59
End at: 2018-12-02 15:13:29
Local clock offset: 2.942 ms
Remote clock offset: -12.658 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 186.605 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 186.207 ms
Loss rate: 3.63%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 186.629 ms
Loss rate: 4.83%
-- Flow 3:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 186.852 ms
Loss rate: 5.04%

Run 1: Report of SReAM — Data Link

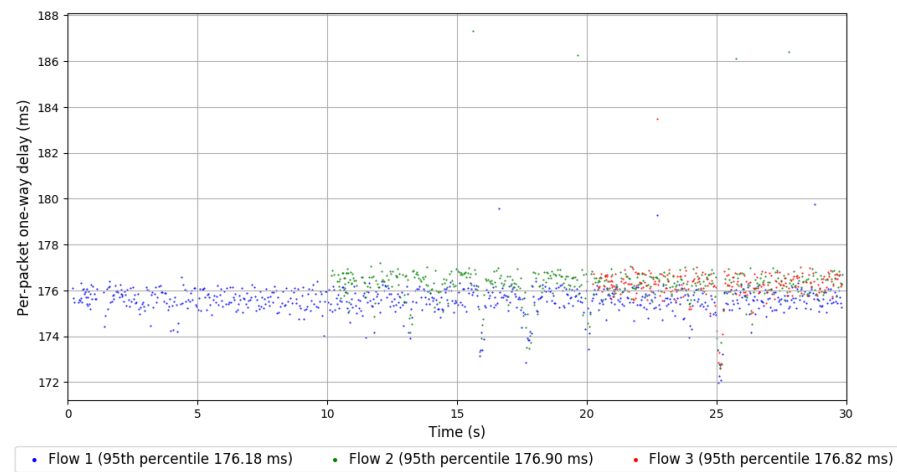
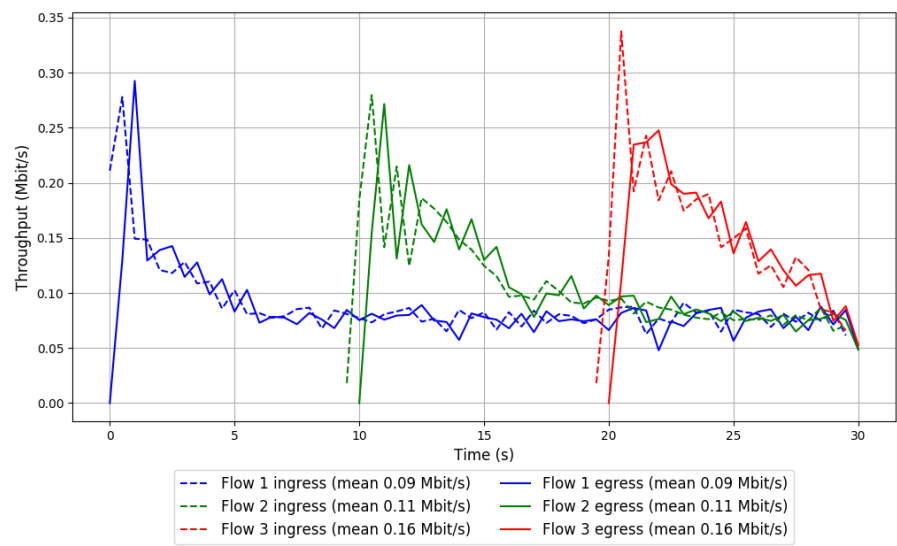


Run 2: Statistics of SCReAM

Start at: 2018-12-02 16:13:27
End at: 2018-12-02 16:13:57
Local clock offset: 1.864 ms
Remote clock offset: 46.666 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 176.799 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 176.184 ms
Loss rate: 4.13%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 176.900 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 176.819 ms
Loss rate: 4.65%

Run 2: Report of SReAM — Data Link

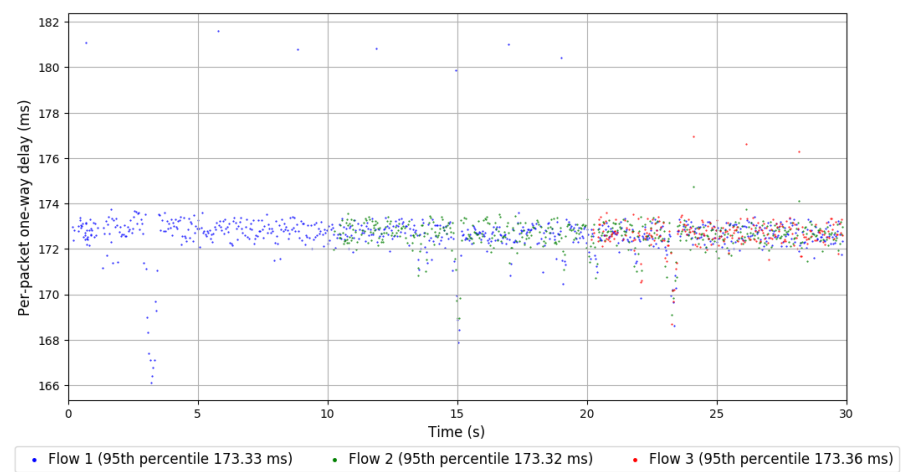
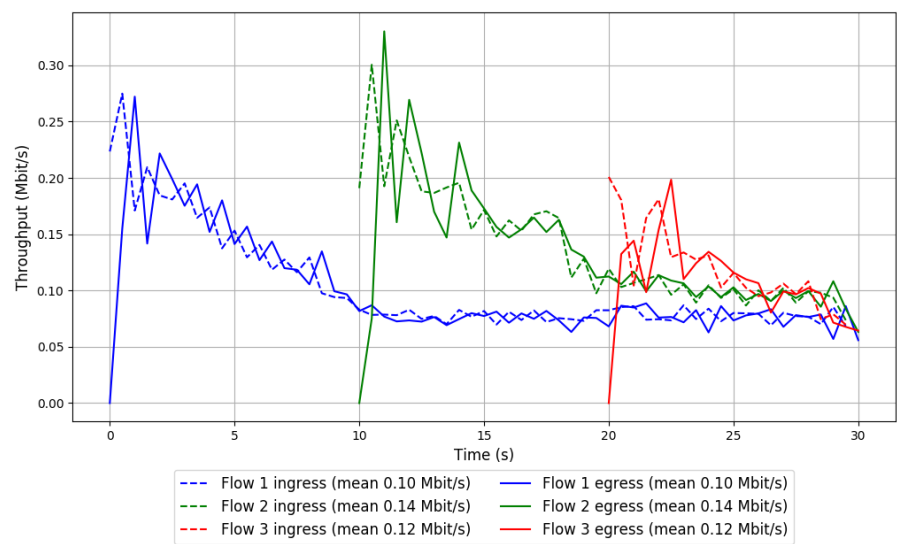


Run 3: Statistics of SCReAM

Start at: 2018-12-02 17:12:31
End at: 2018-12-02 17:13:01
Local clock offset: 10.881 ms
Remote clock offset: 35.484 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 173.336 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 173.332 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 173.316 ms
Loss rate: 3.05%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 173.357 ms
Loss rate: 6.96%

Run 3: Report of SReAM — Data Link

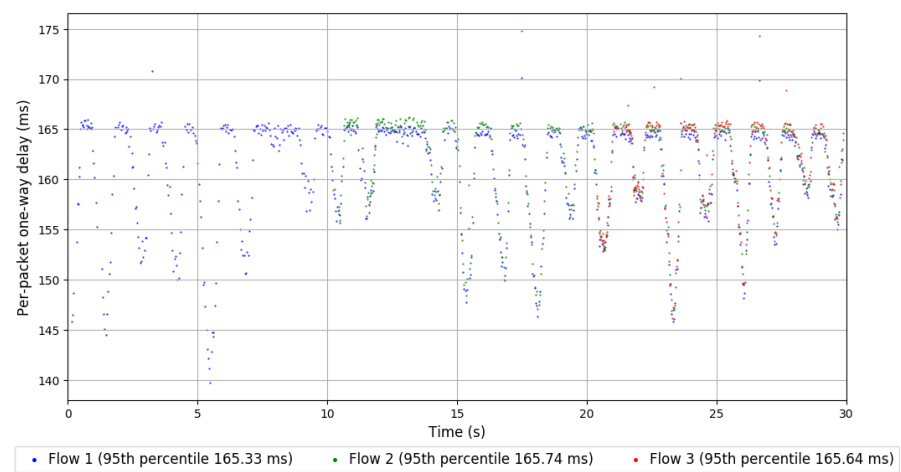
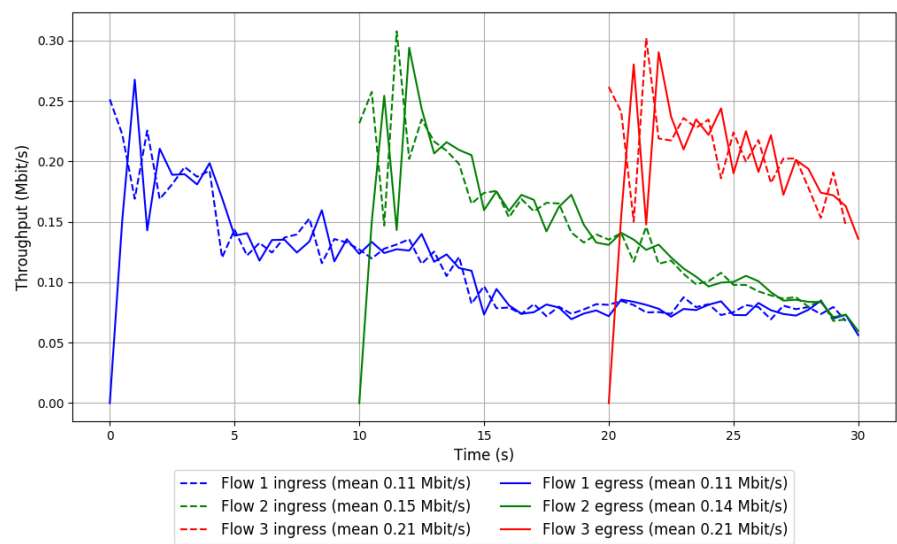


Run 4: Statistics of SCReAM

Start at: 2018-12-02 18:02:37
End at: 2018-12-02 18:03:07
Local clock offset: 17.281 ms
Remote clock offset: 25.22 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 165.570 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 165.333 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 165.737 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 165.638 ms
Loss rate: 2.67%

Run 4: Report of SReAM — Data Link

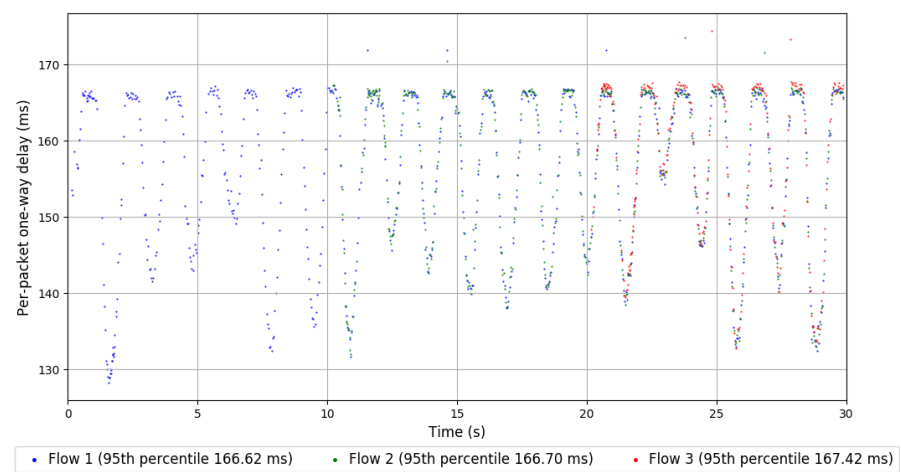
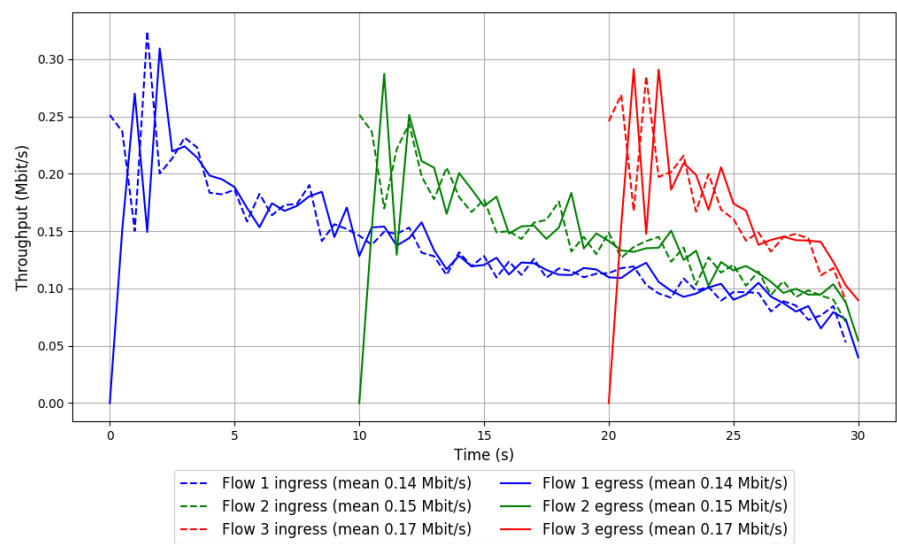


Run 5: Statistics of SCReAM

Start at: 2018-12-02 18:43:25
End at: 2018-12-02 18:43:55
Local clock offset: 29.251 ms
Remote clock offset: 30.401 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 166.911 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 166.620 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 166.700 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 167.417 ms
Loss rate: 2.72%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-12-02 15:16:10

End at: 2018-12-02 15:16:40

Local clock offset: 2.932 ms

Remote clock offset: 4.529 ms

Below is generated by plot.py at 2018-12-02 19:01:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 185.885 ms

Loss rate: 4.82%

-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 185.844 ms

Loss rate: 4.90%

-- Flow 2:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 185.850 ms

Loss rate: 3.64%

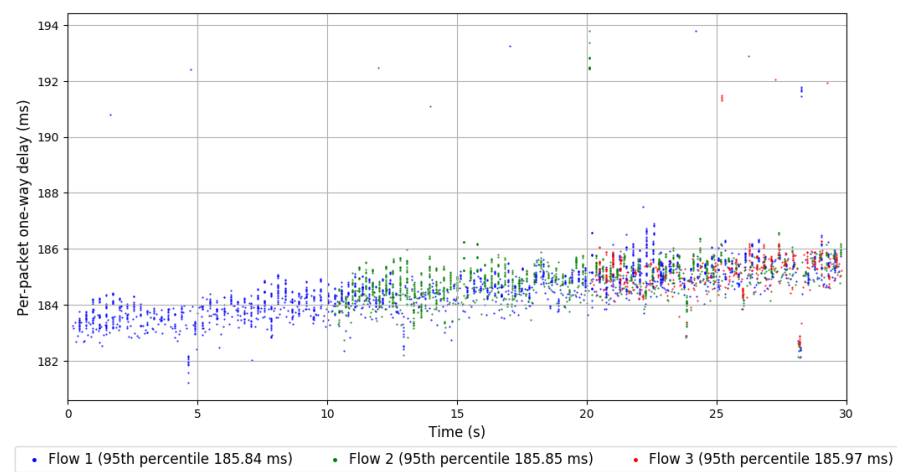
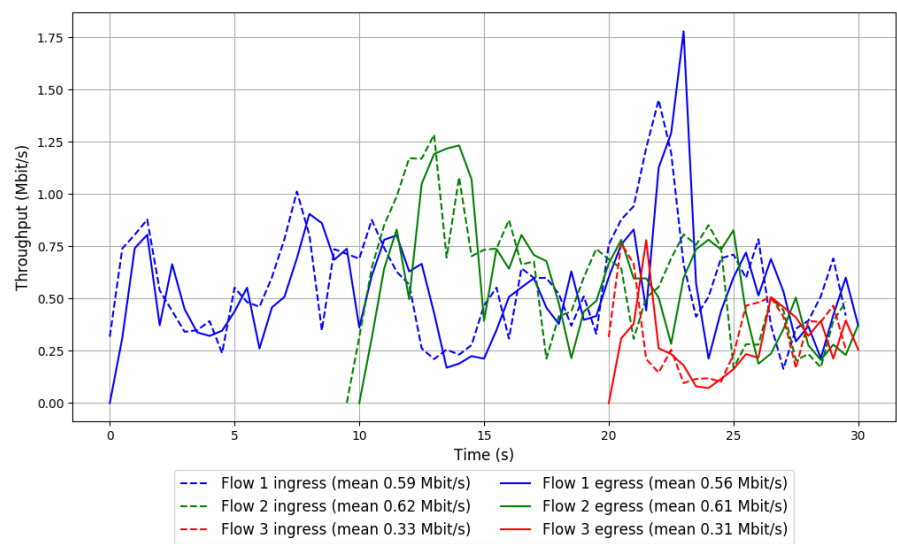
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 185.967 ms

Loss rate: 8.86%

Run 1: Report of Sprout — Data Link

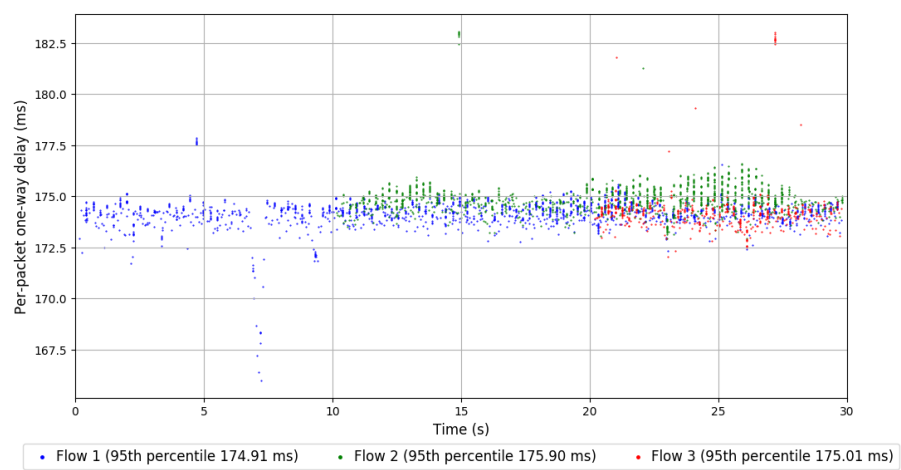
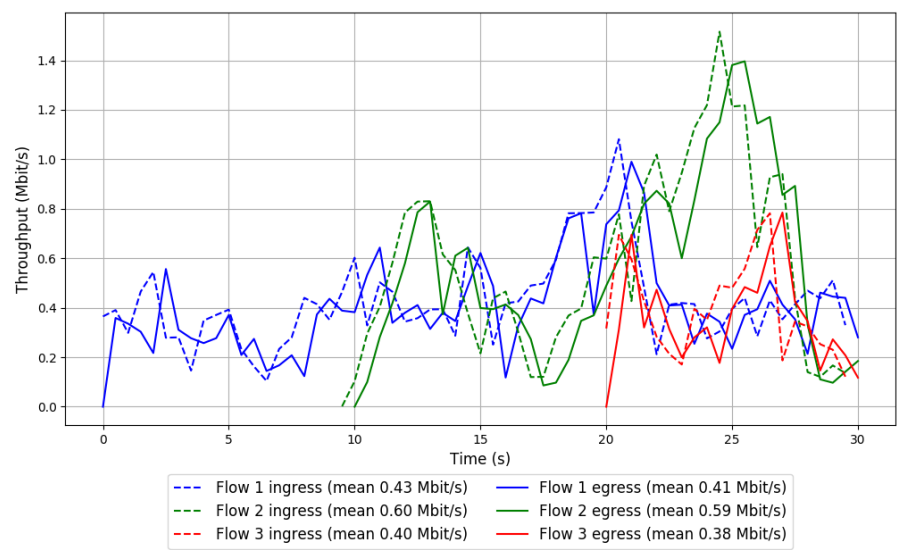


Run 2: Statistics of Sprout

Start at: 2018-12-02 16:16:40
End at: 2018-12-02 16:17:10
Local clock offset: 1.873 ms
Remote clock offset: 49.2 ms

Below is generated by plot.py at 2018-12-02 19:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 175.572 ms
Loss rate: 4.37%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 174.909 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 175.904 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 175.006 ms
Loss rate: 7.00%

Run 2: Report of Sprout — Data Link

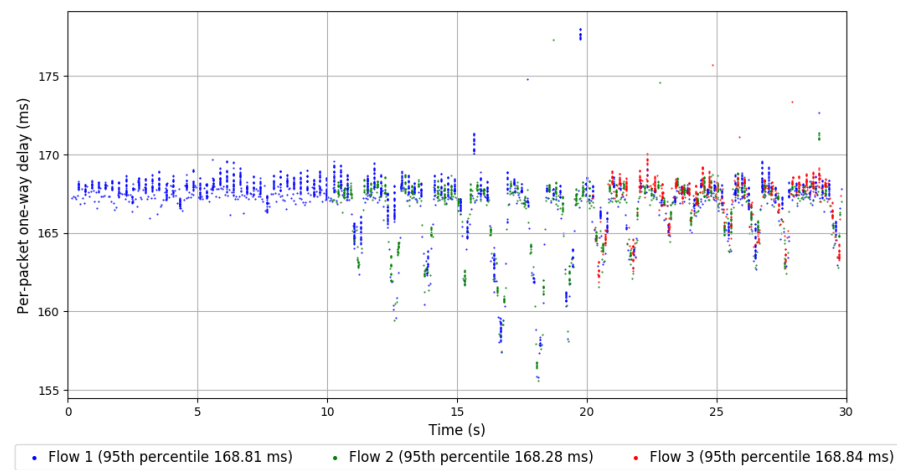
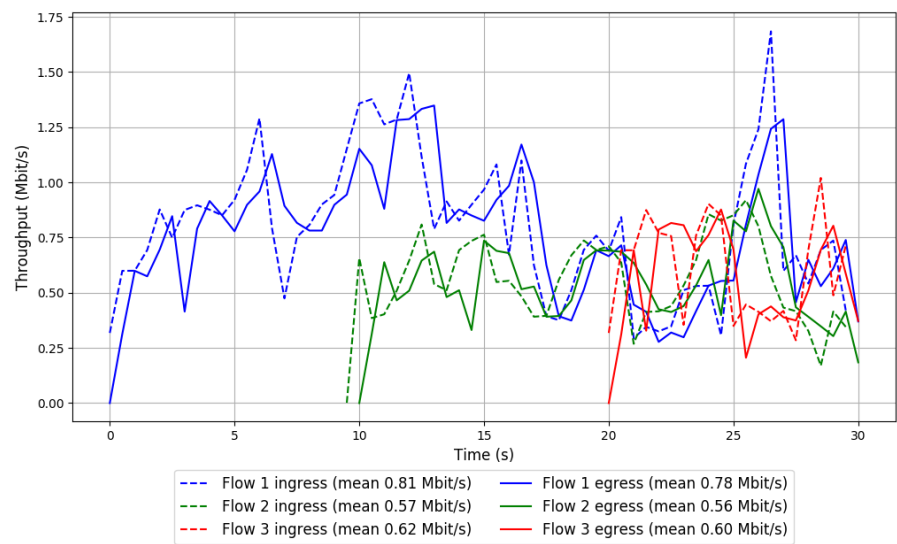


Run 3: Statistics of Sprout

Start at: 2018-12-02 17:15:40
End at: 2018-12-02 17:16:10
Local clock offset: 10.916 ms
Remote clock offset: 40.0 ms

```
# Below is generated by plot.py at 2018-12-02 19:01:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 168.684 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 168.815 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 168.280 ms
Loss rate: 3.51%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 168.842 ms
Loss rate: 5.21%
```

Run 3: Report of Sprout — Data Link

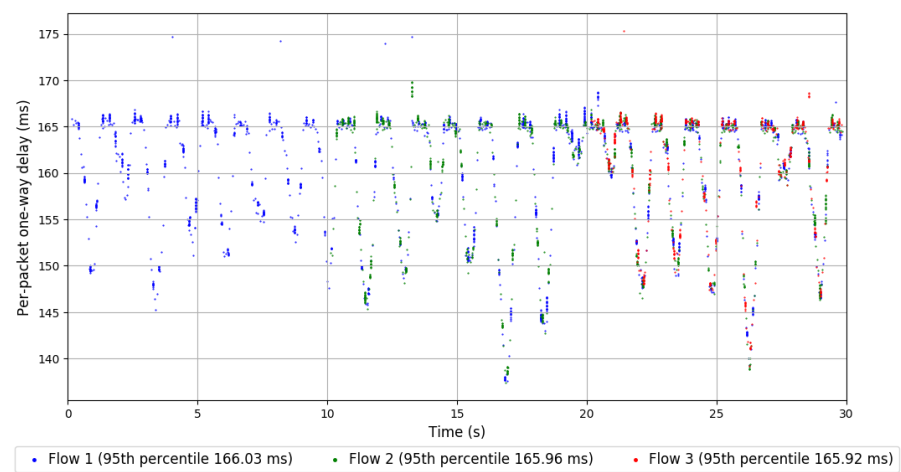
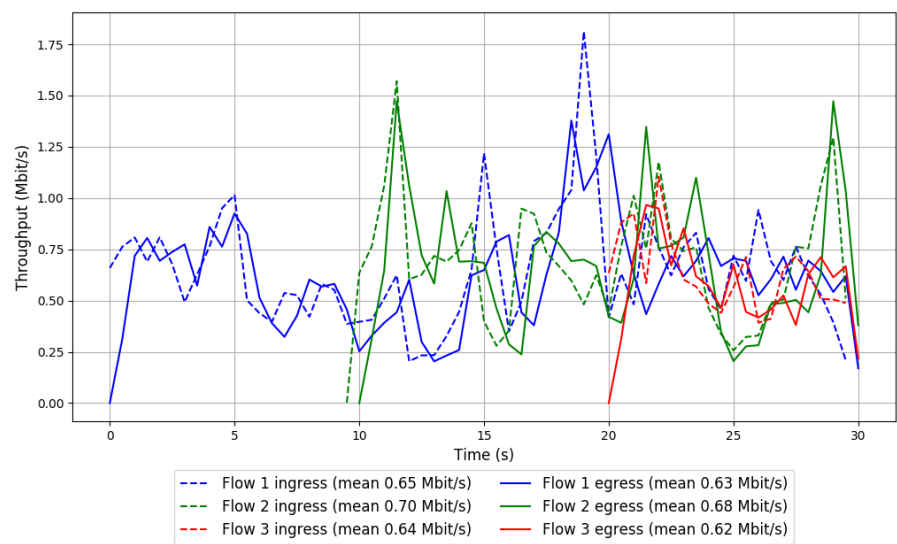


Run 4: Statistics of Sprout

Start at: 2018-12-02 18:05:27
End at: 2018-12-02 18:05:57
Local clock offset: 18.667 ms
Remote clock offset: 22.235 ms

```
# Below is generated by plot.py at 2018-12-02 19:01:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 165.994 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 166.027 ms
Loss rate: 3.05%
-- Flow 2:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 165.963 ms
Loss rate: 3.84%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 165.921 ms
Loss rate: 5.87%
```

Run 4: Report of Sprout — Data Link

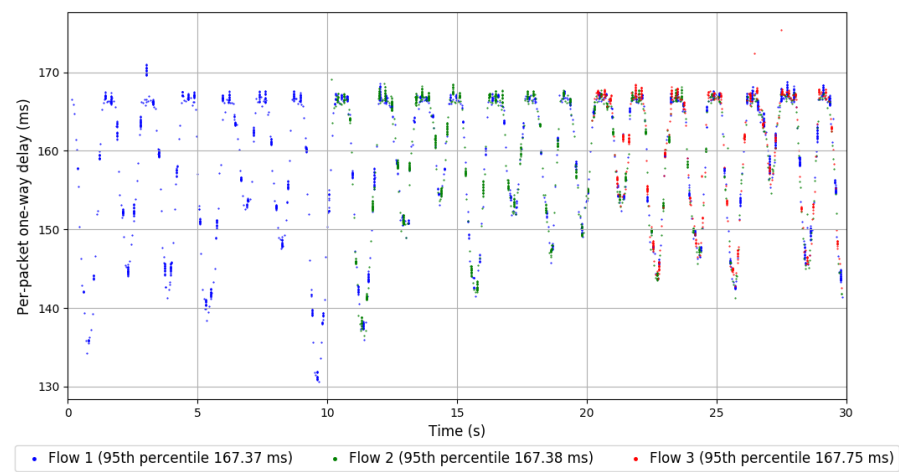
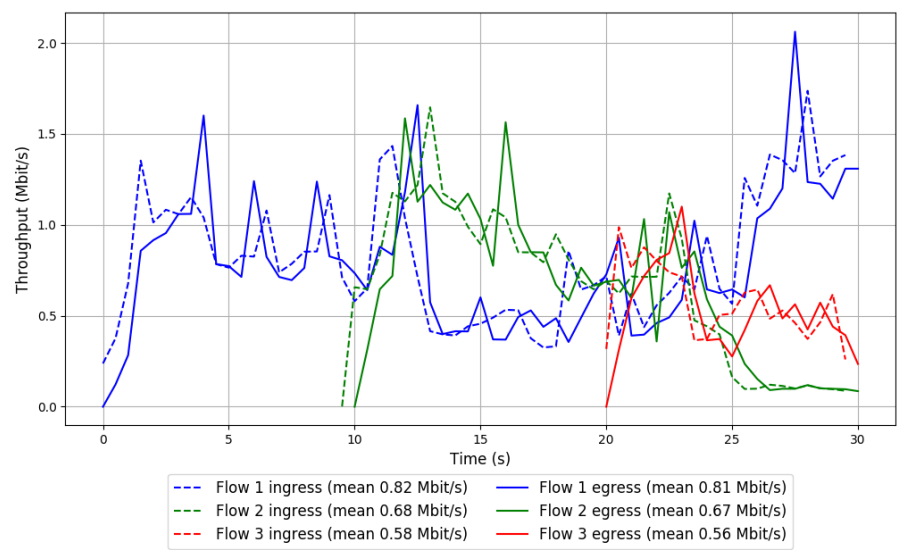


Run 5: Statistics of Sprout

Start at: 2018-12-02 18:46:07
End at: 2018-12-02 18:46:37
Local clock offset: 29.816 ms
Remote clock offset: 33.818 ms

```
# Below is generated by plot.py at 2018-12-02 19:01:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 167.479 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 167.373 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 167.383 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 167.755 ms
Loss rate: 5.36%
```

Run 5: Report of Sprout — Data Link

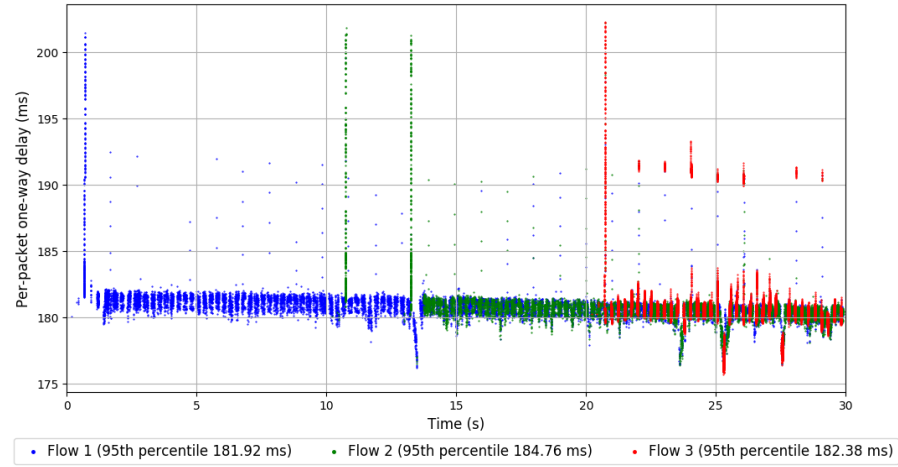
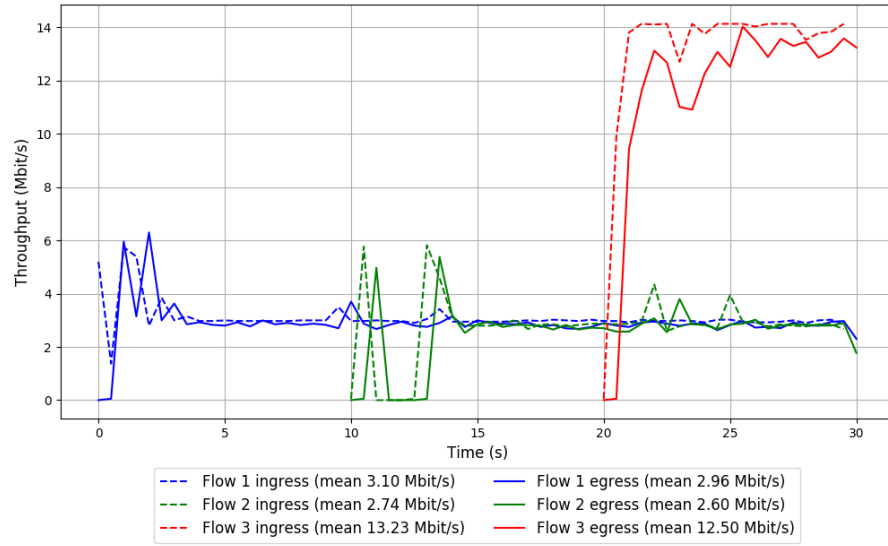


Run 1: Statistics of TaoVA-100x

Start at: 2018-12-02 14:46:49
End at: 2018-12-02 14:47:19
Local clock offset: 0.527 ms
Remote clock offset: -10.617 ms

Below is generated by plot.py at 2018-12-02 19:01:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 182.519 ms
Loss rate: 6.76%
-- Flow 1:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 181.921 ms
Loss rate: 5.46%
-- Flow 2:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 184.761 ms
Loss rate: 6.26%
-- Flow 3:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 182.380 ms
Loss rate: 7.91%

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

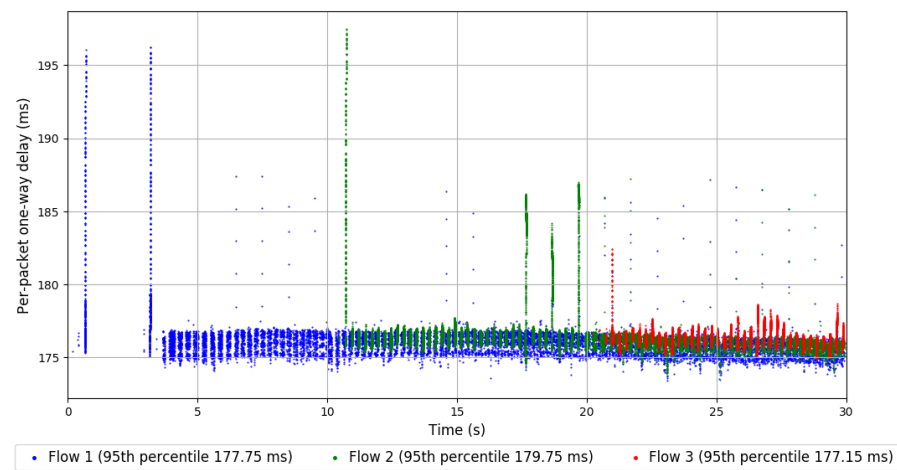
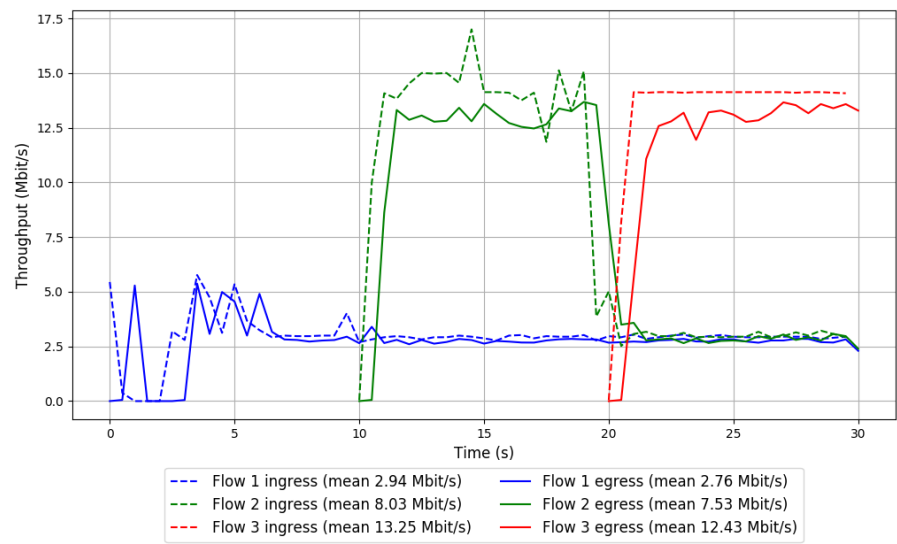


Run 2: Statistics of TaoVA-100x

Start at: 2018-12-02 15:43:45
End at: 2018-12-02 15:44:15
Local clock offset: 0.242 ms
Remote clock offset: 66.216 ms

Below is generated by plot.py at 2018-12-02 19:01:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 177.407 ms
Loss rate: 7.75%
-- Flow 1:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 177.747 ms
Loss rate: 7.04%
-- Flow 2:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 179.748 ms
Loss rate: 7.42%
-- Flow 3:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 177.152 ms
Loss rate: 8.61%

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

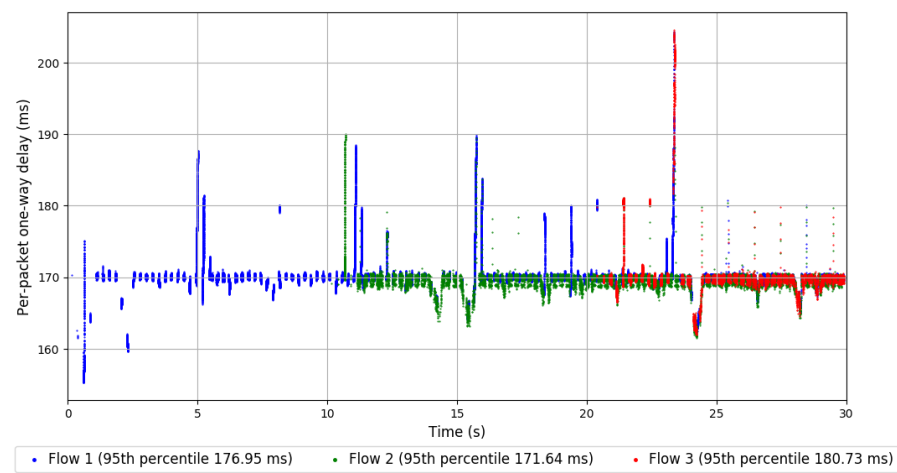
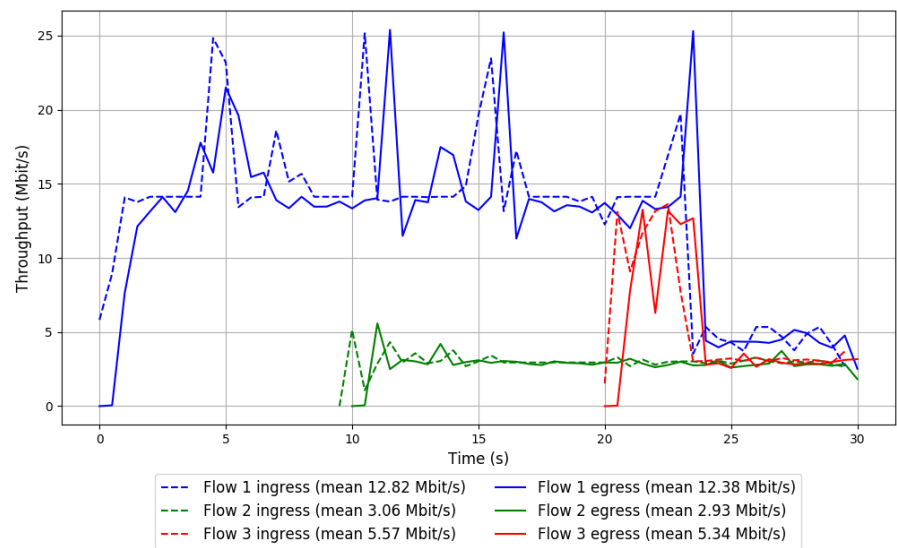


Run 3: Statistics of TaoVA-100x

Start at: 2018-12-02 16:42:06
End at: 2018-12-02 16:42:36
Local clock offset: 20.507 ms
Remote clock offset: 48.256 ms

Below is generated by plot.py at 2018-12-02 19:02:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 176.935 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 176.946 ms
Loss rate: 4.19%
-- Flow 2:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 171.643 ms
Loss rate: 5.09%
-- Flow 3:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 180.734 ms
Loss rate: 6.35%

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

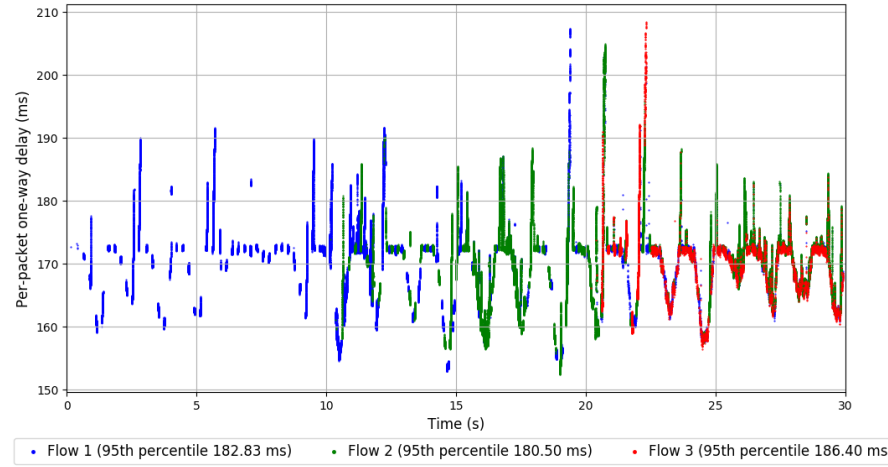
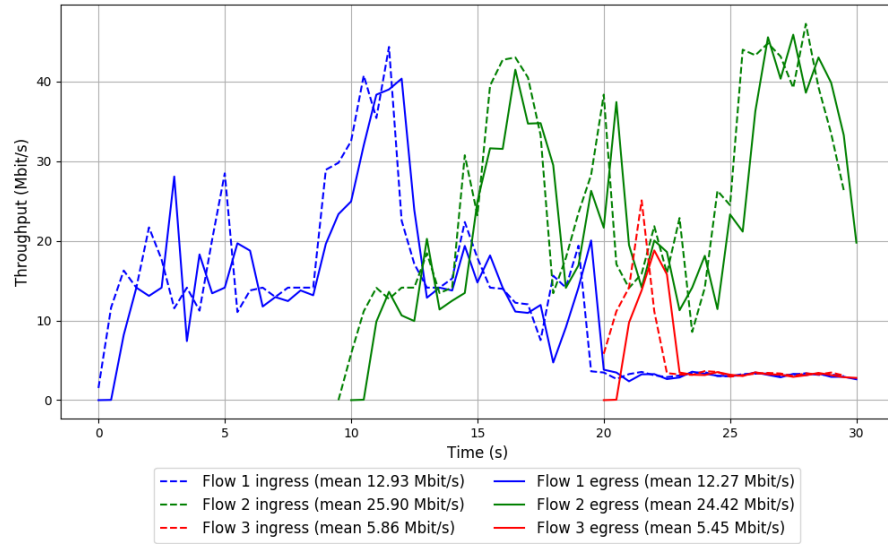


Run 4: Statistics of TaoVA-100x

Start at: 2018-12-02 17:37:29
End at: 2018-12-02 17:37:59
Local clock offset: -2.17 ms
Remote clock offset: 26.653 ms

Below is generated by plot.py at 2018-12-02 19:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 181.768 ms
Loss rate: 6.70%
-- Flow 1:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 182.834 ms
Loss rate: 5.78%
-- Flow 2:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 180.499 ms
Loss rate: 7.10%
-- Flow 3:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 186.403 ms
Loss rate: 9.19%

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

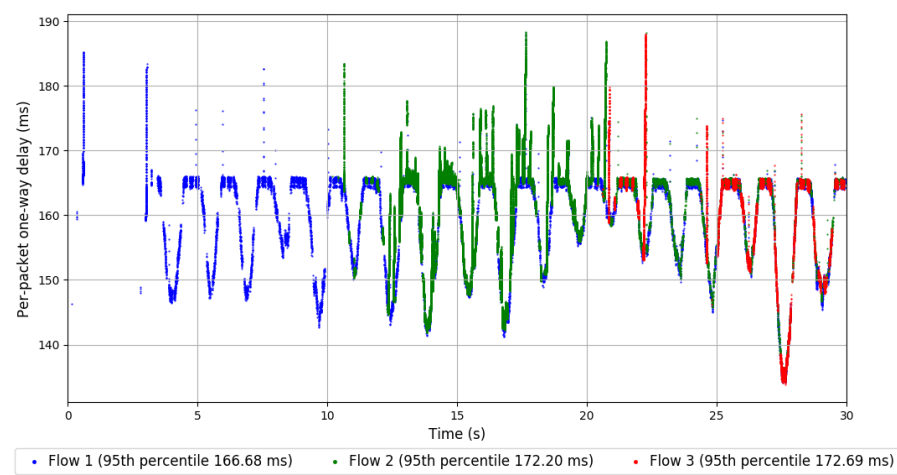
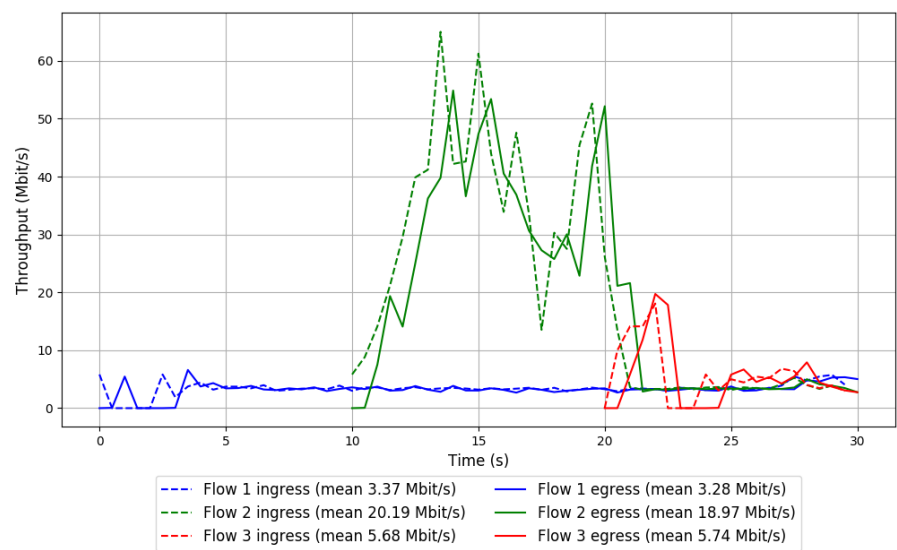


Run 5: Statistics of TaoVA-100x

Start at: 2018-12-02 18:25:02
End at: 2018-12-02 18:25:32
Local clock offset: 25.196 ms
Remote clock offset: 11.413 ms

Below is generated by plot.py at 2018-12-02 19:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.66 Mbit/s
95th percentile per-packet one-way delay: 171.795 ms
Loss rate: 6.06%
-- Flow 1:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 166.675 ms
Loss rate: 3.54%
-- Flow 2:
Average throughput: 18.97 Mbit/s
95th percentile per-packet one-way delay: 172.197 ms
Loss rate: 7.08%
-- Flow 3:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 172.690 ms
Loss rate: 3.26%

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

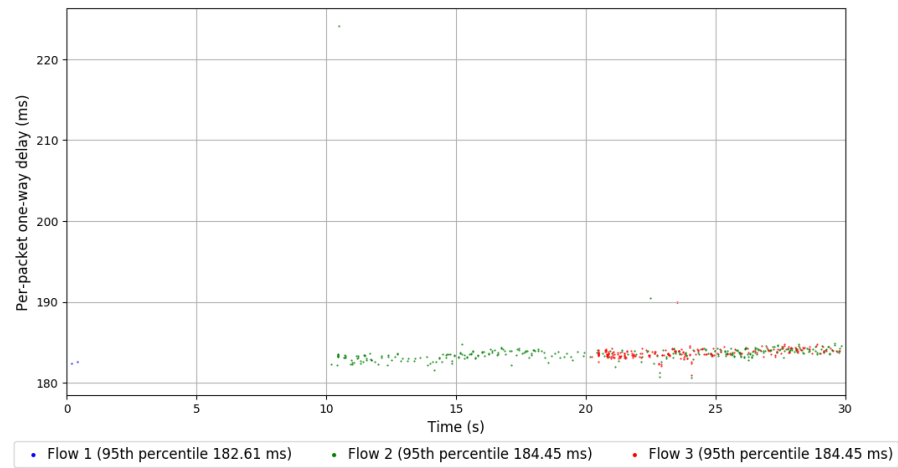
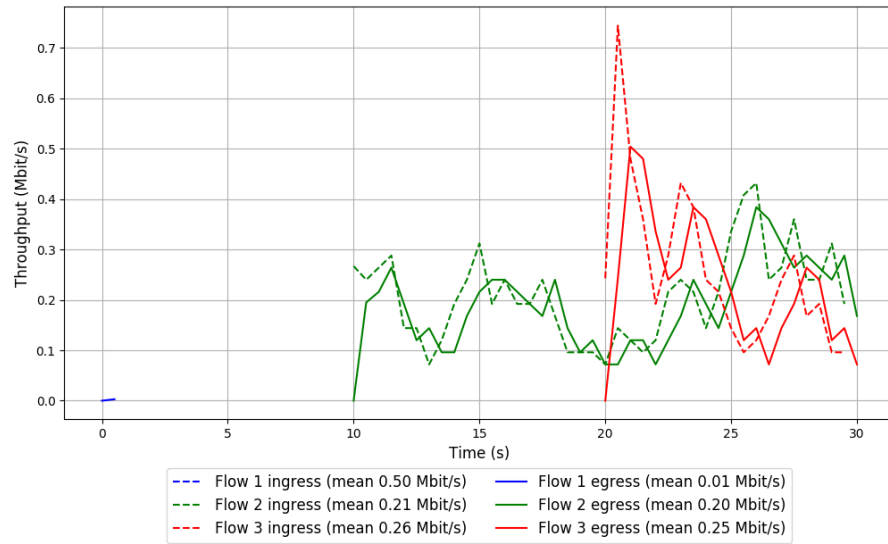


Run 1: Statistics of TCP Vegas

Start at: 2018-12-02 15:21:29
End at: 2018-12-02 15:21:59
Local clock offset: 1.932 ms
Remote clock offset: 25.165 ms

Below is generated by plot.py at 2018-12-02 19:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 184.446 ms
Loss rate: 9.02%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 182.610 ms
Loss rate: 98.79%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 184.446 ms
Loss rate: 7.71%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 184.446 ms
Loss rate: 6.94%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-12-02 16:22:04

End at: 2018-12-02 16:22:34

Local clock offset: 8.19 ms

Remote clock offset: 48.96 ms

Below is generated by plot.py at 2018-12-02 19:02:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 171.669 ms

Loss rate: 6.53%

-- Flow 1:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 171.078 ms

Loss rate: 98.79%

-- Flow 2:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 171.694 ms

Loss rate: 5.07%

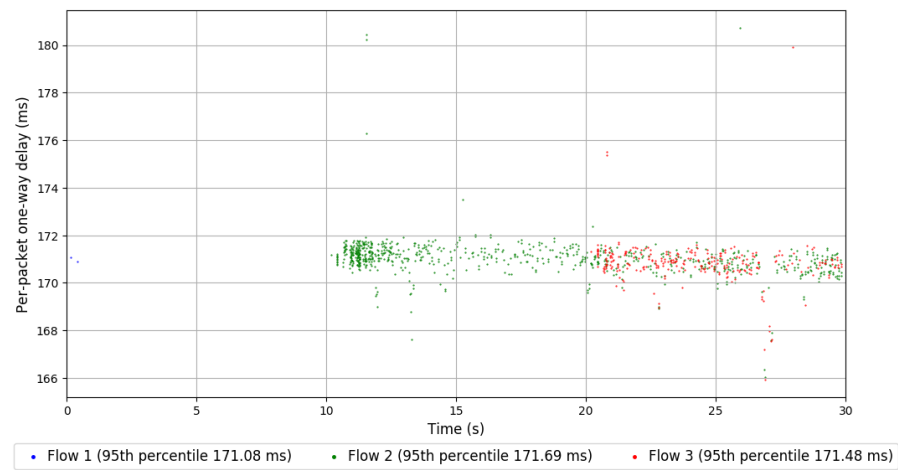
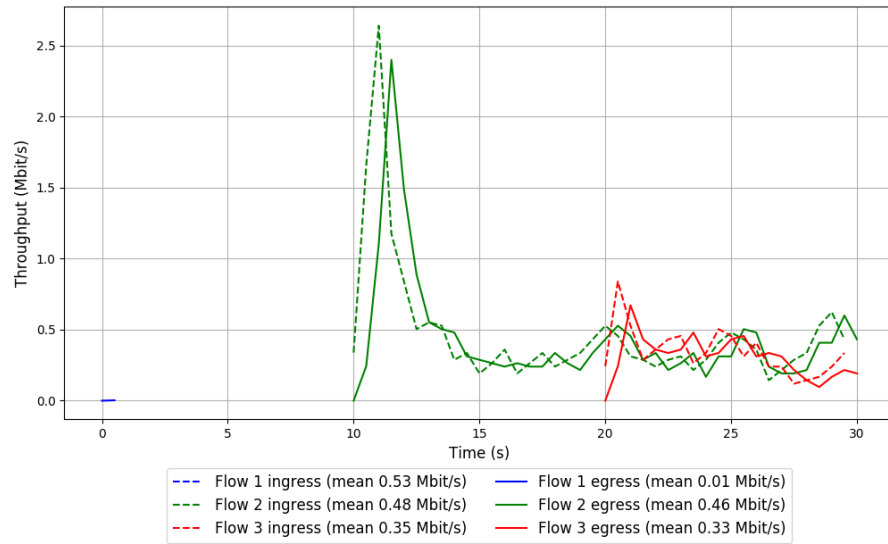
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 171.479 ms

Loss rate: 7.29%

Run 2: Report of TCP Vegas — Data Link

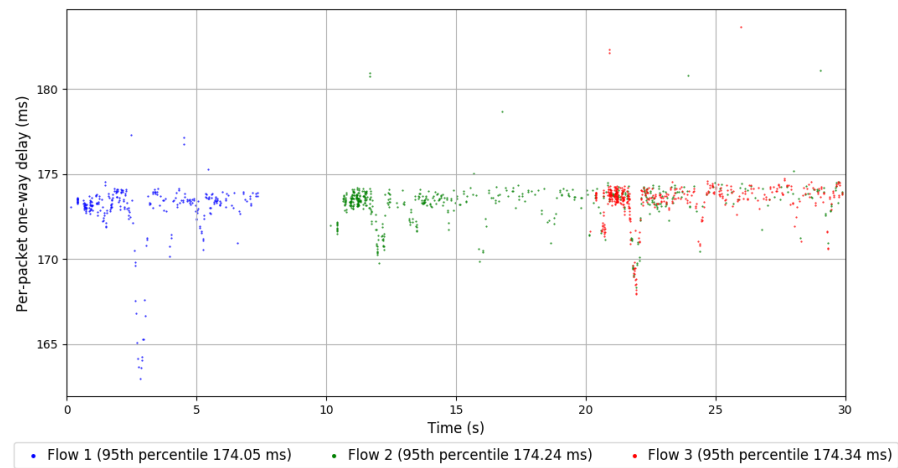
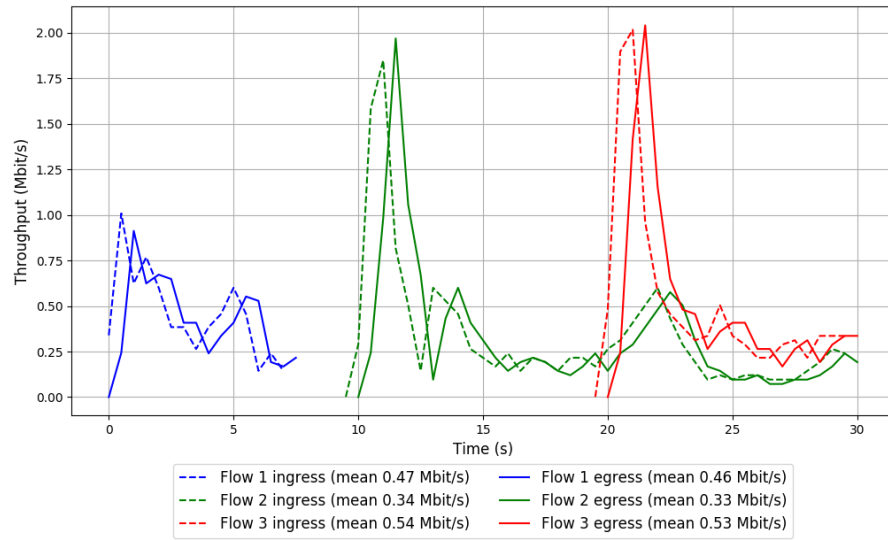


Run 3: Statistics of TCP Vegas

Start at: 2018-12-02 17:20:36
End at: 2018-12-02 17:21:06
Local clock offset: 7.013 ms
Remote clock offset: 33.788 ms

Below is generated by plot.py at 2018-12-02 19:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 174.265 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 174.047 ms
Loss rate: 3.53%
-- Flow 2:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 174.240 ms
Loss rate: 4.58%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 174.337 ms
Loss rate: 4.67%

Run 3: Report of TCP Vegas — Data Link

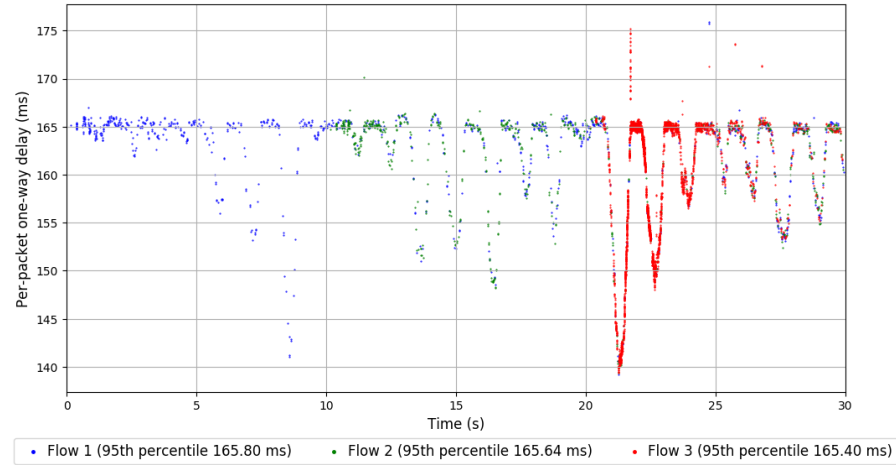
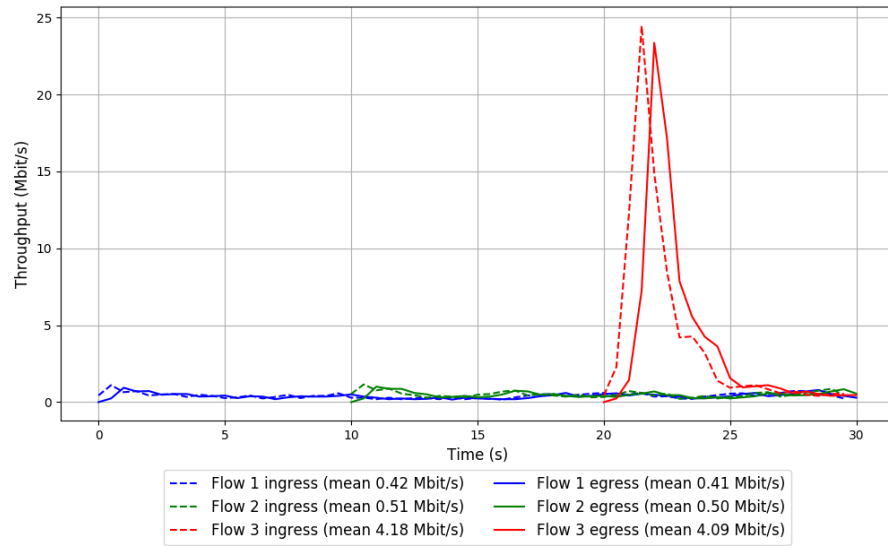


Run 4: Statistics of TCP Vegas

Start at: 2018-12-02 18:09:41
End at: 2018-12-02 18:10:11
Local clock offset: 20.966 ms
Remote clock offset: 19.842 ms

Below is generated by plot.py at 2018-12-02 19:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 165.528 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 165.801 ms
Loss rate: 3.36%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 165.642 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 165.402 ms
Loss rate: 4.39%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-12-02 18:49:41

End at: 2018-12-02 18:50:11

Local clock offset: 23.594 ms

Remote clock offset: 37.88 ms

Below is generated by plot.py at 2018-12-02 19:02:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 168.653 ms

Loss rate: 1.98%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 168.222 ms

Loss rate: 1.61%

-- Flow 2:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 168.825 ms

Loss rate: 2.63%

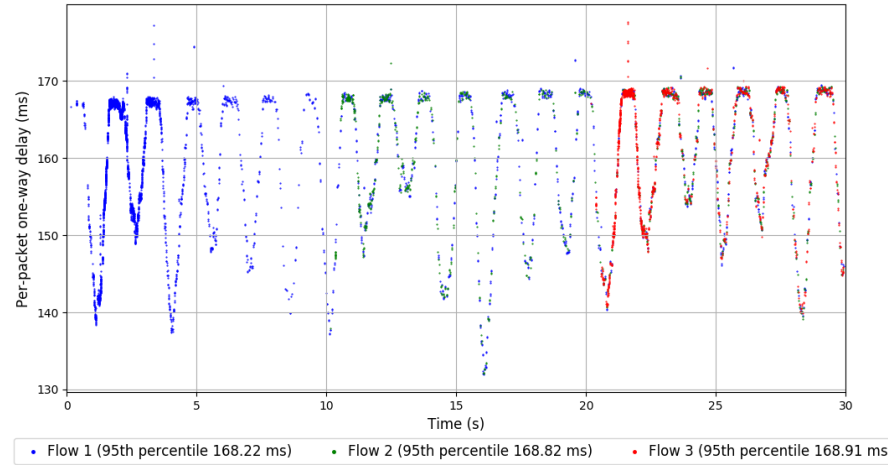
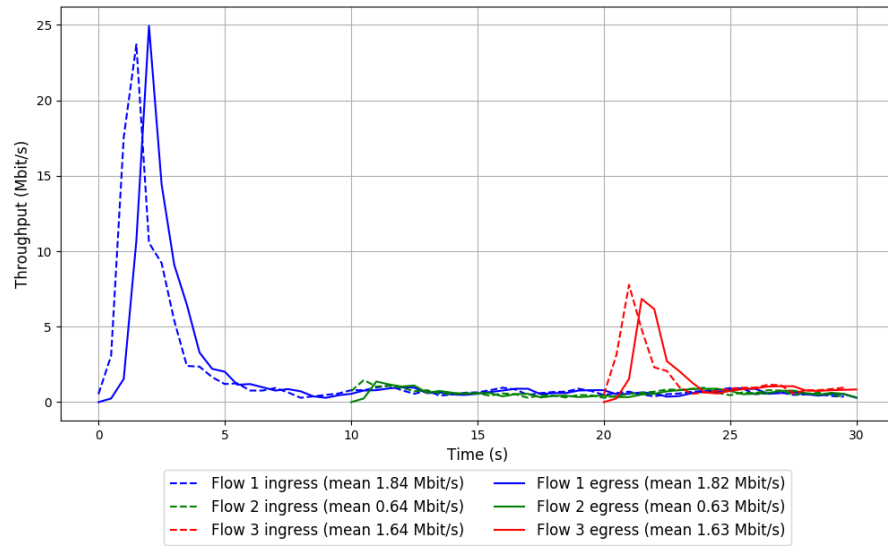
-- Flow 3:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 168.913 ms

Loss rate: 2.73%

Run 5: Report of TCP Vegas — Data Link

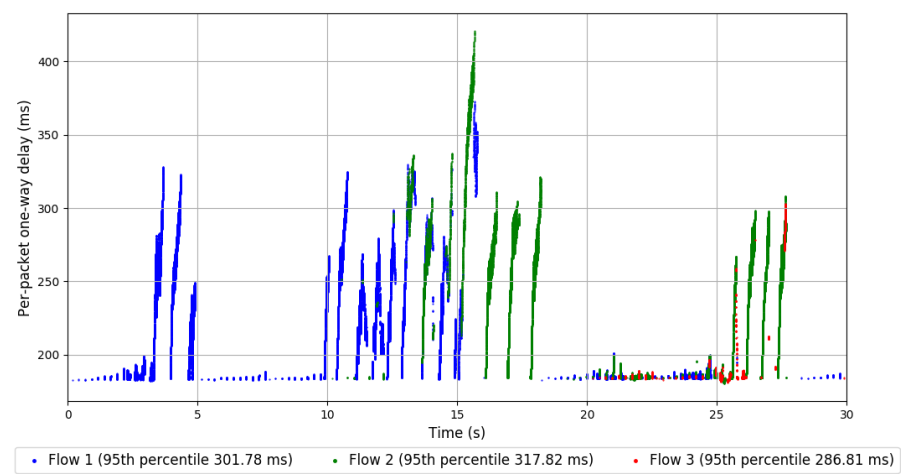
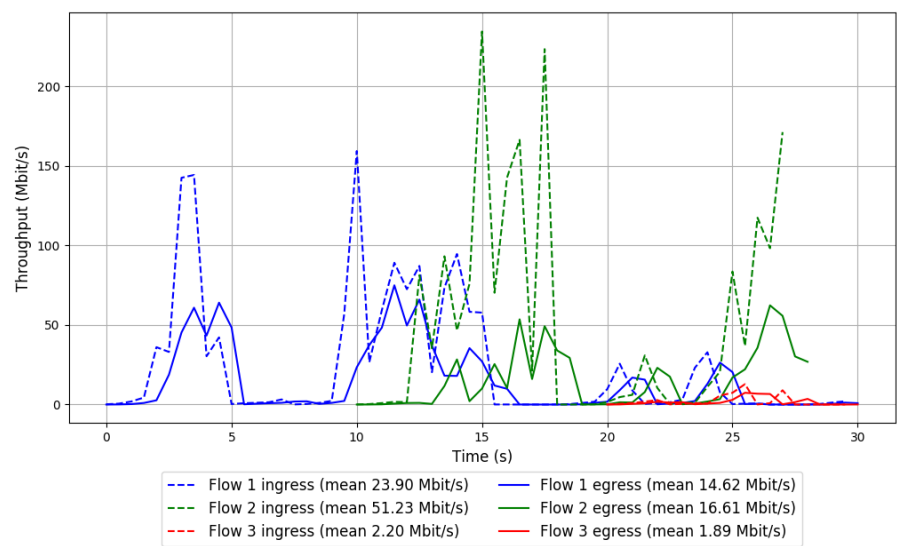


Run 1: Statistics of Verus

Start at: 2018-12-02 15:22:51
End at: 2018-12-02 15:23:21
Local clock offset: 1.761 ms
Remote clock offset: 28.412 ms

Below is generated by plot.py at 2018-12-02 19:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 306.193 ms
Loss rate: 54.53%
-- Flow 1:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 301.782 ms
Loss rate: 39.31%
-- Flow 2:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 317.817 ms
Loss rate: 67.58%
-- Flow 3:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 286.811 ms
Loss rate: 16.20%

Run 1: Report of Verus — Data Link

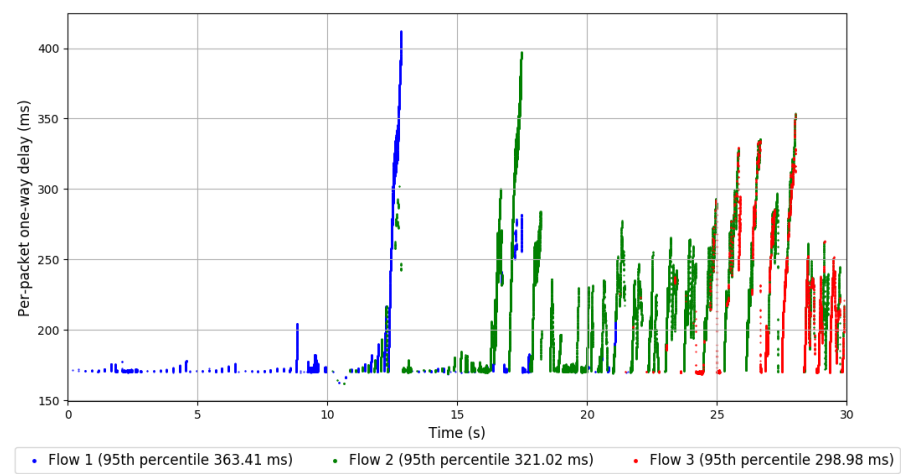
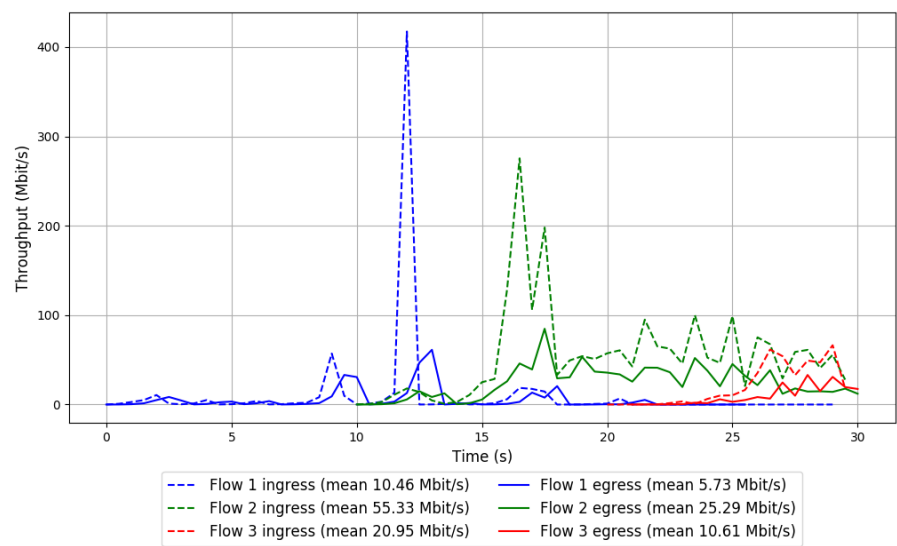


Run 2: Statistics of Verus

Start at: 2018-12-02 16:23:26
End at: 2018-12-02 16:23:56
Local clock offset: 9.634 ms
Remote clock offset: 49.162 ms

Below is generated by plot.py at 2018-12-02 19:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 328.143 ms
Loss rate: 54.18%
-- Flow 1:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 363.414 ms
Loss rate: 53.11%
-- Flow 2:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 321.020 ms
Loss rate: 54.22%
-- Flow 3:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 298.977 ms
Loss rate: 55.57%

Run 2: Report of Verus — Data Link

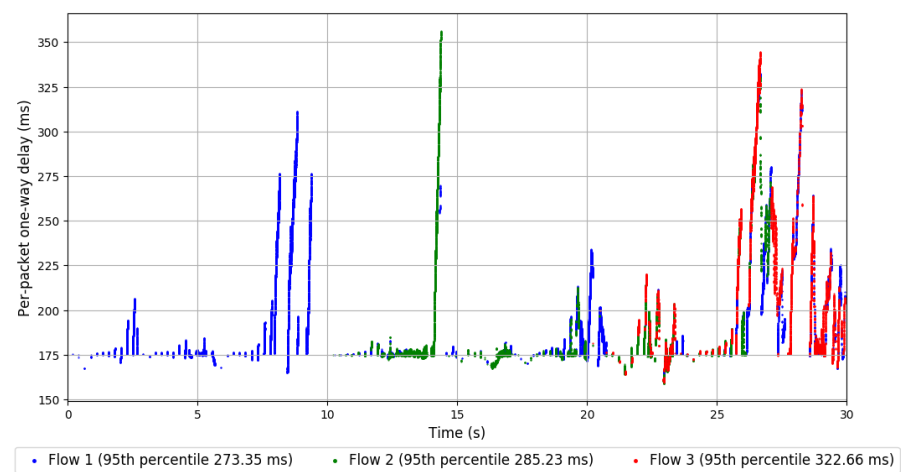
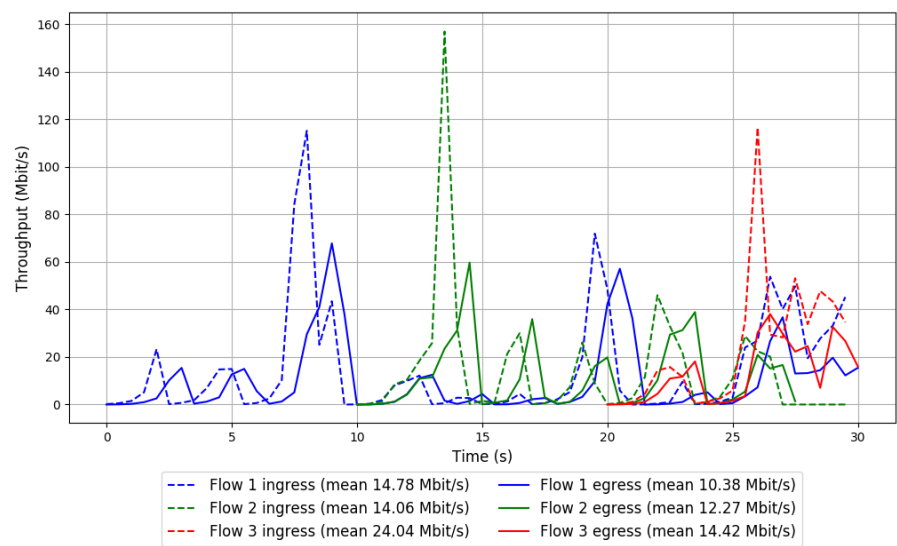


Run 3: Statistics of Verus

Start at: 2018-12-02 17:21:56
End at: 2018-12-02 17:22:26
Local clock offset: 6.056 ms
Remote clock offset: 32.173 ms

Below is generated by plot.py at 2018-12-02 19:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.03 Mbit/s
95th percentile per-packet one-way delay: 293.984 ms
Loss rate: 31.79%
-- Flow 1:
Average throughput: 10.38 Mbit/s
95th percentile per-packet one-way delay: 273.352 ms
Loss rate: 30.37%
-- Flow 2:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 285.231 ms
Loss rate: 25.59%
-- Flow 3:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 322.663 ms
Loss rate: 41.60%

Run 3: Report of Verus — Data Link

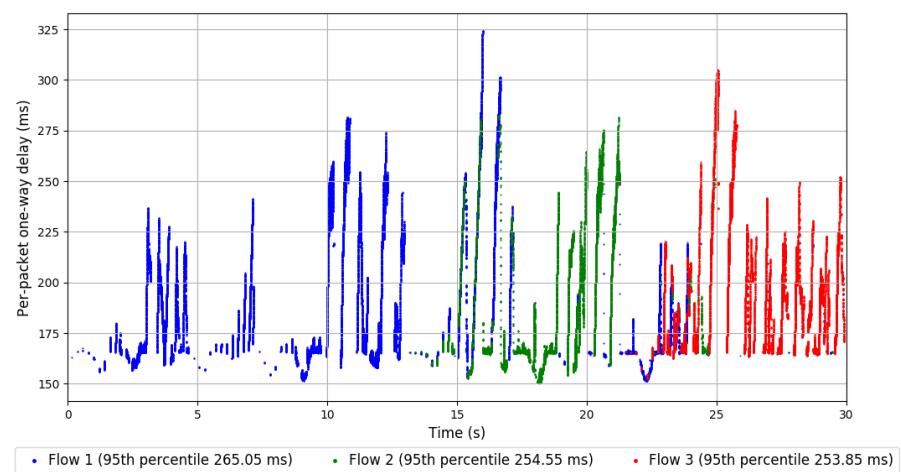
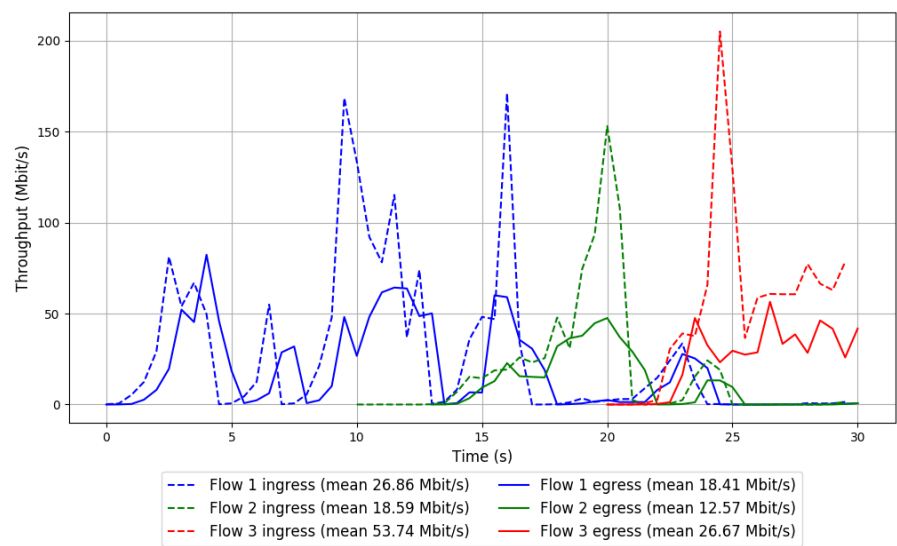


Run 4: Statistics of Verus

Start at: 2018-12-02 18:11:08
End at: 2018-12-02 18:11:38
Local clock offset: 21.247 ms
Remote clock offset: 18.213 ms

Below is generated by plot.py at 2018-12-02 19:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 260.489 ms
Loss rate: 40.39%
-- Flow 1:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 265.051 ms
Loss rate: 31.95%
-- Flow 2:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 254.548 ms
Loss rate: 42.47%
-- Flow 3:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 253.849 ms
Loss rate: 51.60%

Run 4: Report of Verus — Data Link

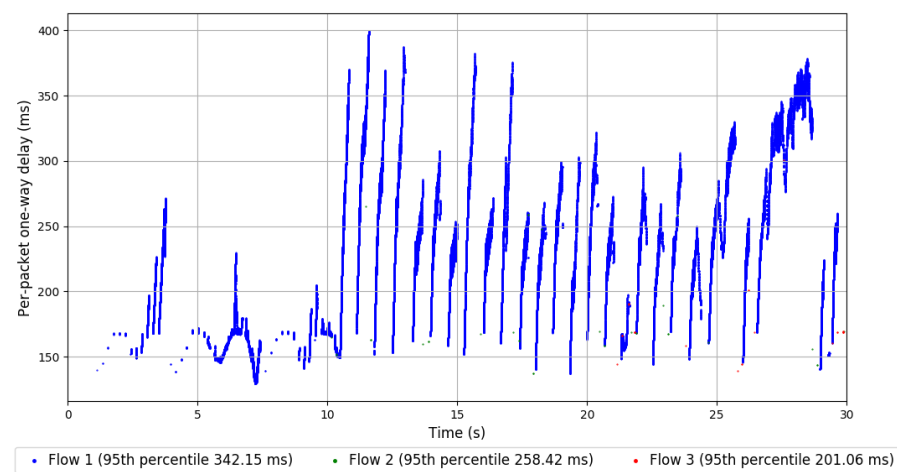
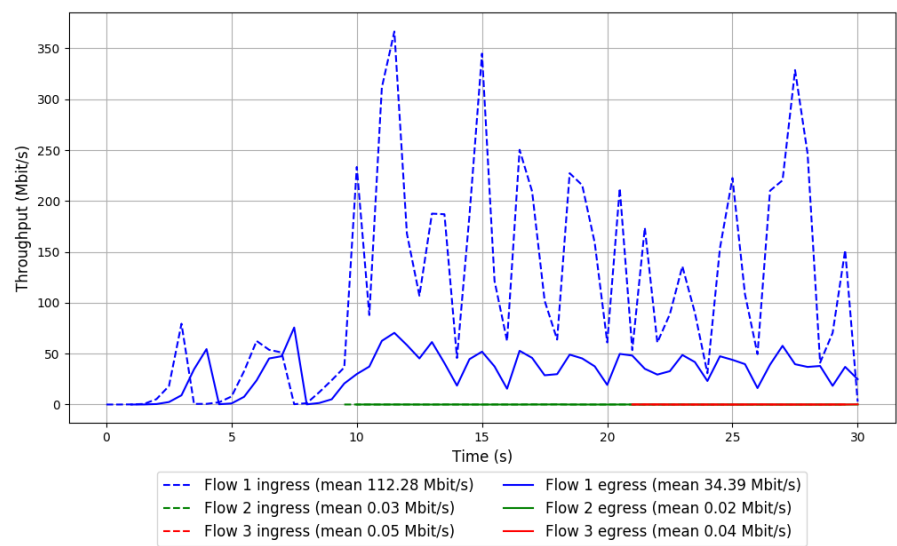


Run 5: Statistics of Verus

Start at: 2018-12-02 18:51:07
End at: 2018-12-02 18:51:37
Local clock offset: 19.897 ms
Remote clock offset: 38.765 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 342.138 ms
Loss rate: 70.90%
-- Flow 1:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 342.149 ms
Loss rate: 70.91%
-- Flow 2:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 258.416 ms
Loss rate: 42.11%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 201.065 ms
Loss rate: 32.50%

Run 5: Report of Verus — Data Link

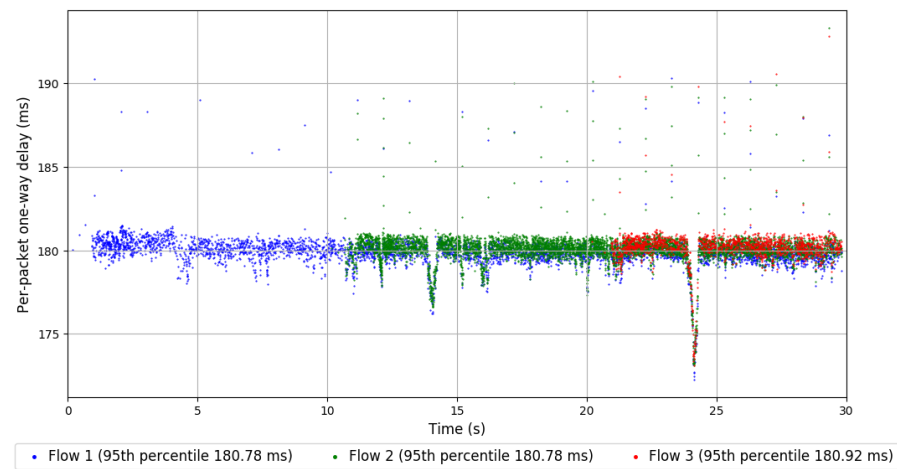
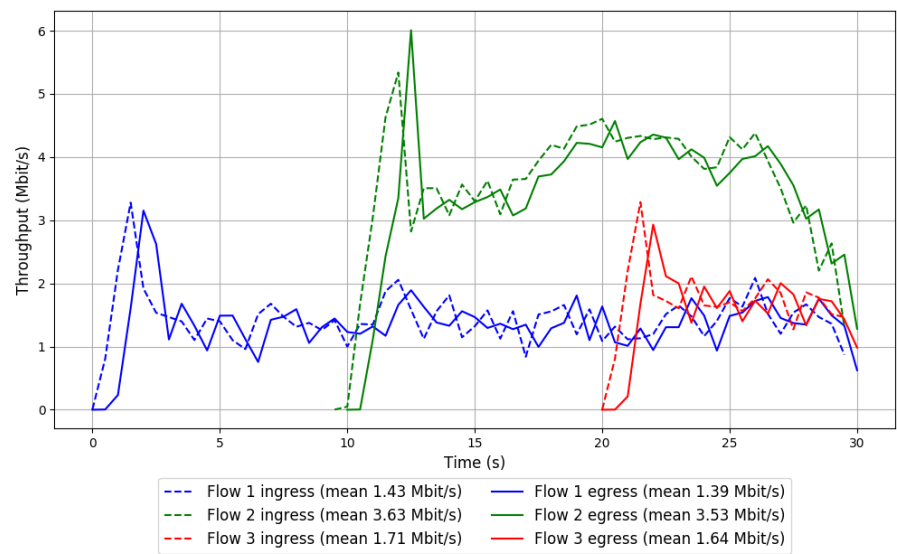


Run 1: Statistics of PCC-Vivace

Start at: 2018-12-02 15:04:59
End at: 2018-12-02 15:05:29
Local clock offset: 2.165 ms
Remote clock offset: -33.837 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 180.804 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 180.780 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 180.776 ms
Loss rate: 4.03%
-- Flow 3:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 180.920 ms
Loss rate: 6.55%

Run 1: Report of PCC-Vivace — Data Link

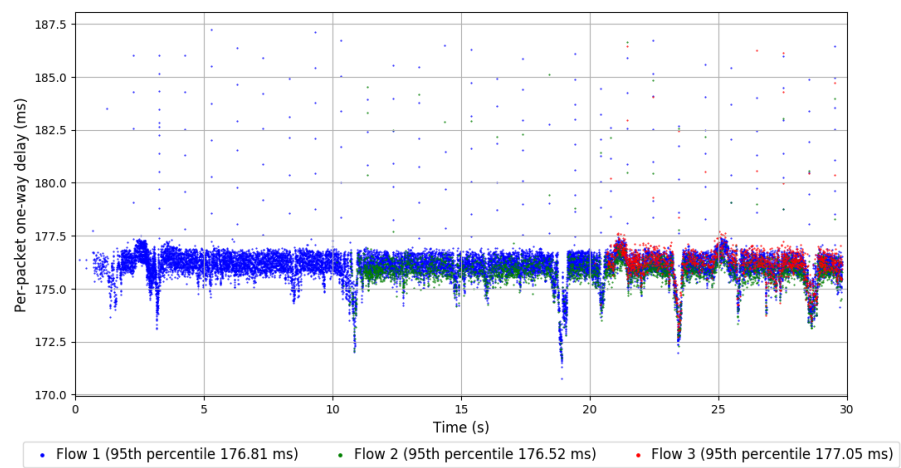
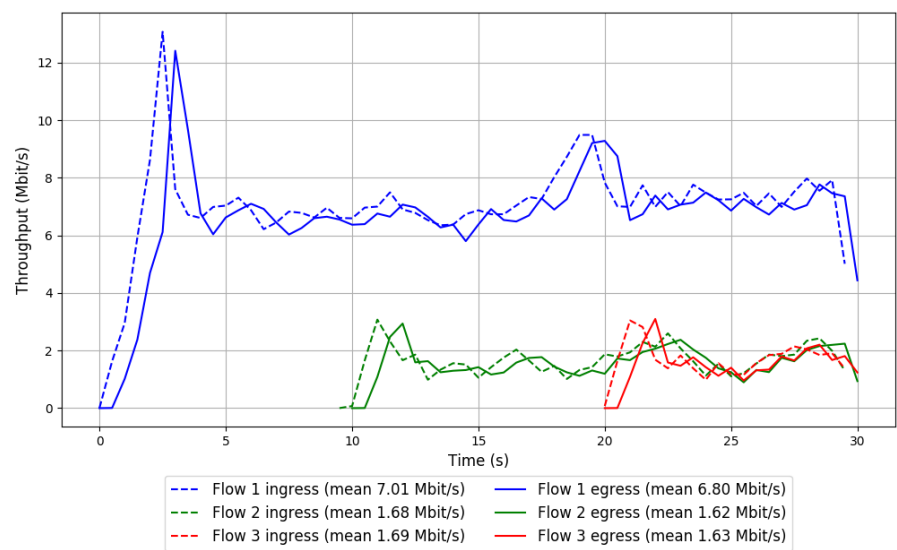


Run 2: Statistics of PCC-Vivace

Start at: 2018-12-02 16:05:59
End at: 2018-12-02 16:06:29
Local clock offset: 1.278 ms
Remote clock offset: 45.361 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 176.806 ms
Loss rate: 4.15%
-- Flow 1:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 176.806 ms
Loss rate: 3.88%
-- Flow 2:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 176.519 ms
Loss rate: 4.89%
-- Flow 3:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 177.047 ms
Loss rate: 6.15%

Run 2: Report of PCC-Vivace — Data Link

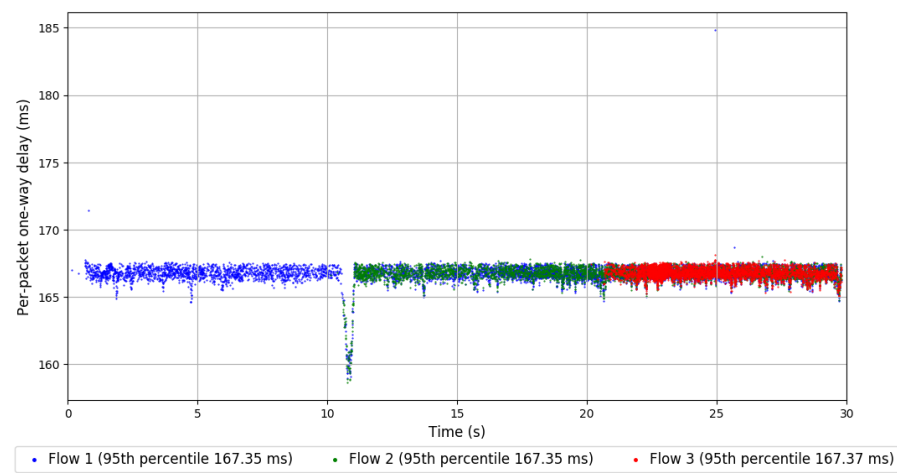
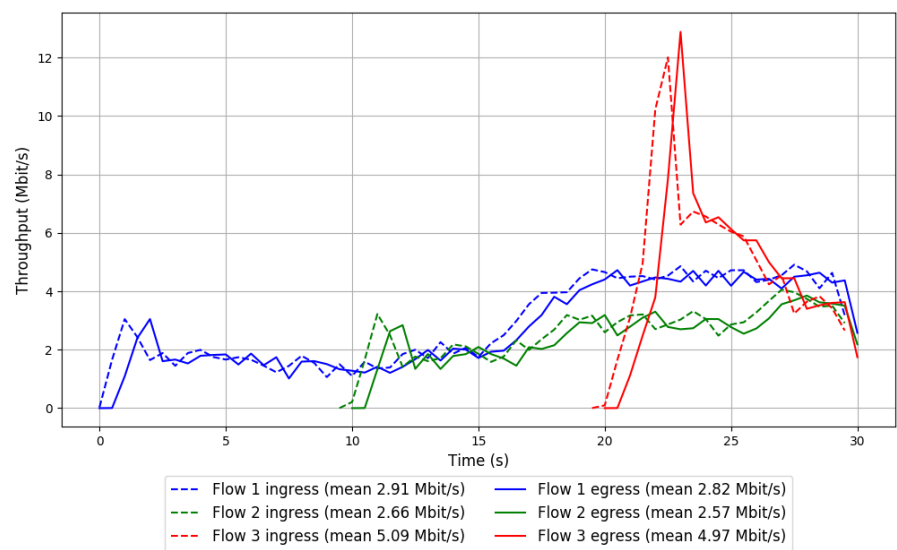


Run 3: Statistics of PCC-Vivace

Start at: 2018-12-02 17:07:20
End at: 2018-12-02 17:07:50
Local clock offset: 11.316 ms
Remote clock offset: 42.801 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 167.357 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 167.353 ms
Loss rate: 3.85%
-- Flow 2:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 167.353 ms
Loss rate: 4.77%
-- Flow 3:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 167.368 ms
Loss rate: 4.67%

Run 3: Report of PCC-Vivace — Data Link

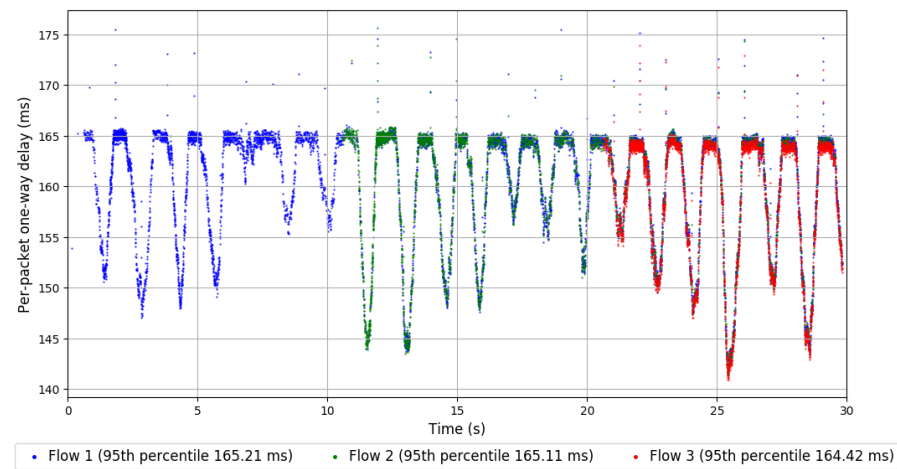
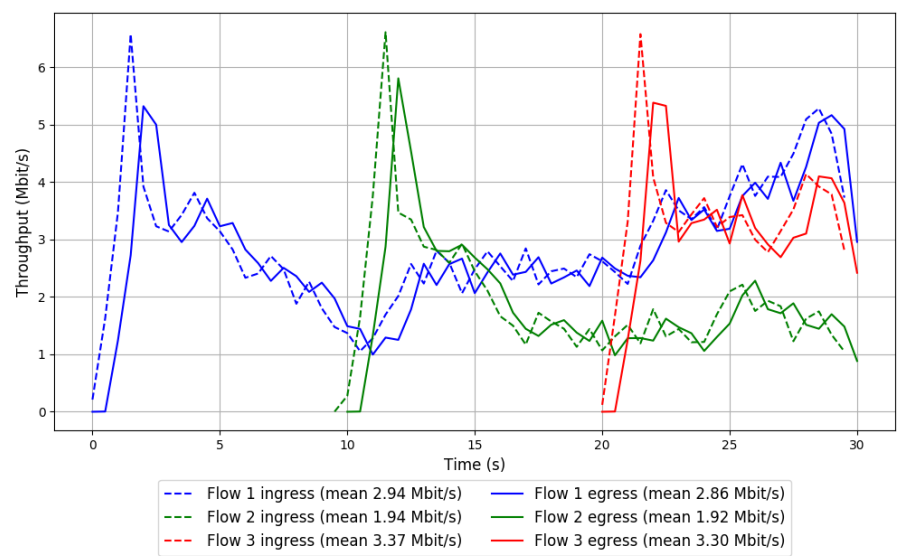


Run 4: Statistics of PCC-Vivace

Start at: 2018-12-02 17:56:19
End at: 2018-12-02 17:56:49
Local clock offset: 11.779 ms
Remote clock offset: 28.939 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 165.115 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 165.211 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 165.113 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 164.419 ms
Loss rate: 4.36%

Run 4: Report of PCC-Vivace — Data Link

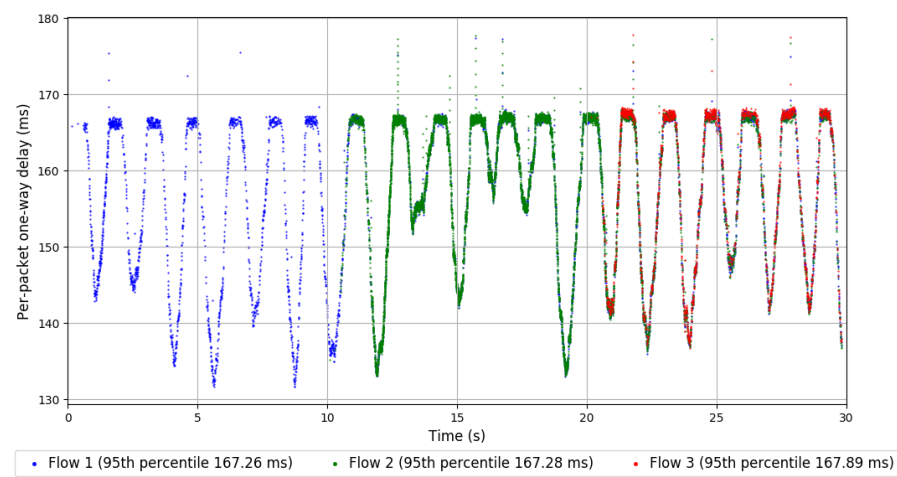
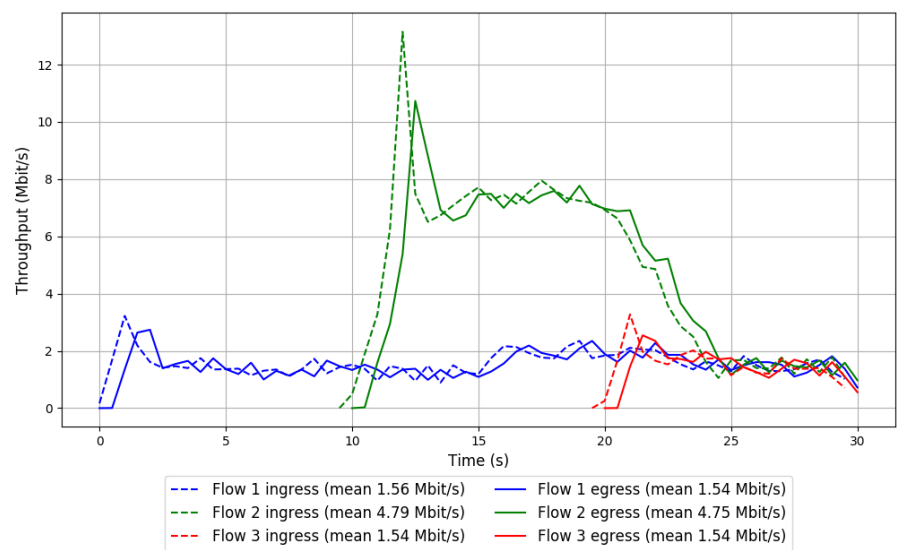


Run 5: Statistics of PCC-Vivace

Start at: 2018-12-02 18:38:08
End at: 2018-12-02 18:38:38
Local clock offset: 28.09 ms
Remote clock offset: 18.771 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 167.378 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 167.256 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 167.284 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 167.887 ms
Loss rate: 2.61%

Run 5: Report of PCC-Vivace — Data Link

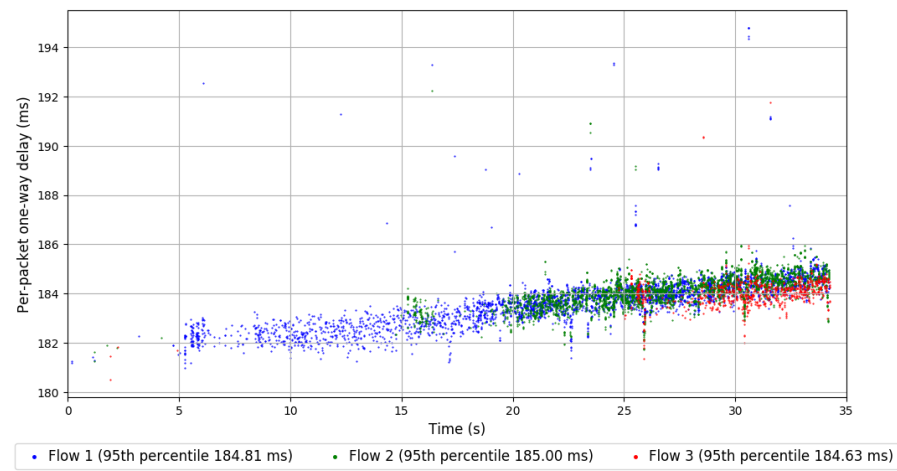
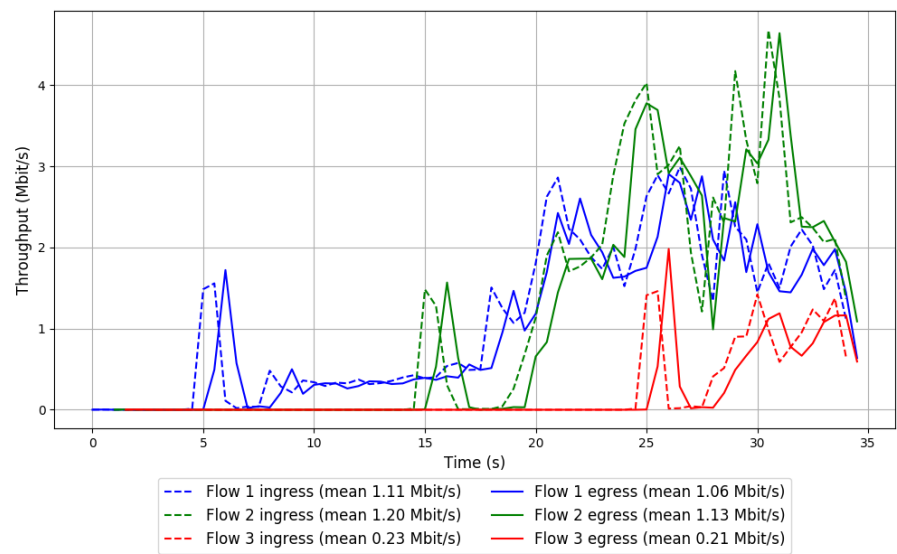


```
Run 1: Statistics of WebRTC media

Start at: 2018-12-02 15:14:23
End at: 2018-12-02 15:14:53
Local clock offset: 2.933 ms
Remote clock offset: -2.887 ms

# Below is generated by plot.py at 2018-12-02 19:02:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 184.933 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 184.809 ms
Loss rate: 6.03%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 185.001 ms
Loss rate: 6.31%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 184.635 ms
Loss rate: 7.85%
```

Run 1: Report of WebRTC media — Data Link

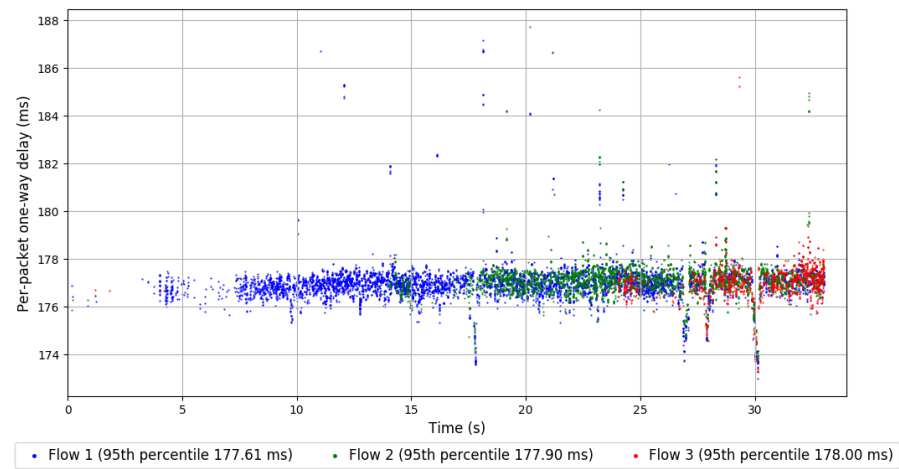
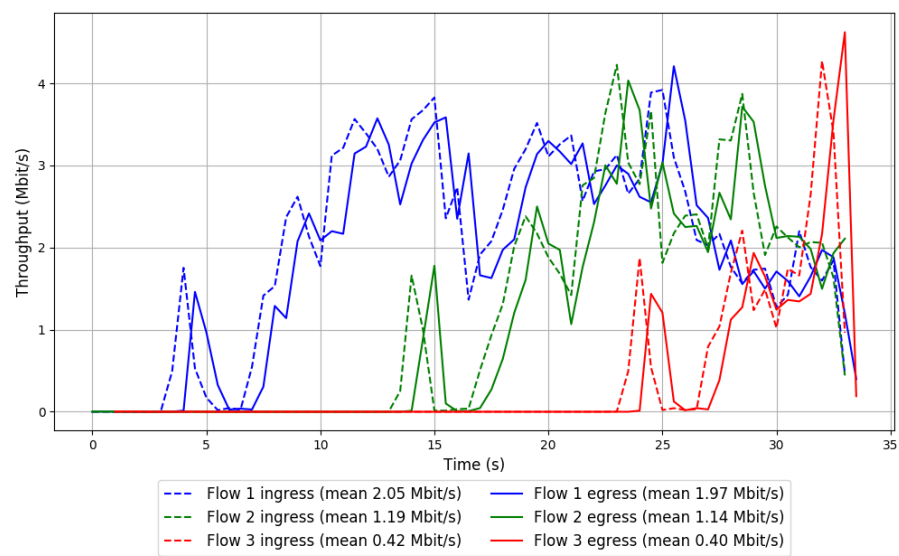


Run 2: Statistics of WebRTC media

Start at: 2018-12-02 16:14:52
End at: 2018-12-02 16:15:22
Local clock offset: 1.946 ms
Remote clock offset: 46.442 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 177.769 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 177.609 ms
Loss rate: 4.38%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 177.900 ms
Loss rate: 4.66%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 177.997 ms
Loss rate: 7.51%

Run 2: Report of WebRTC media — Data Link

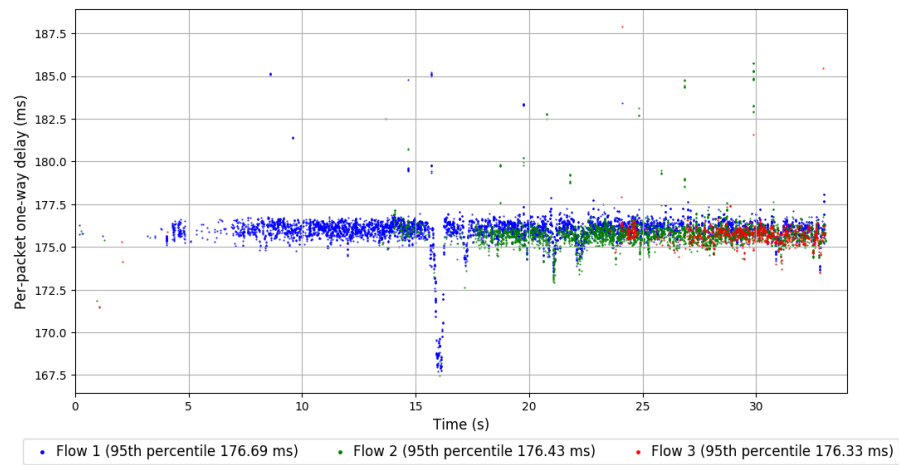
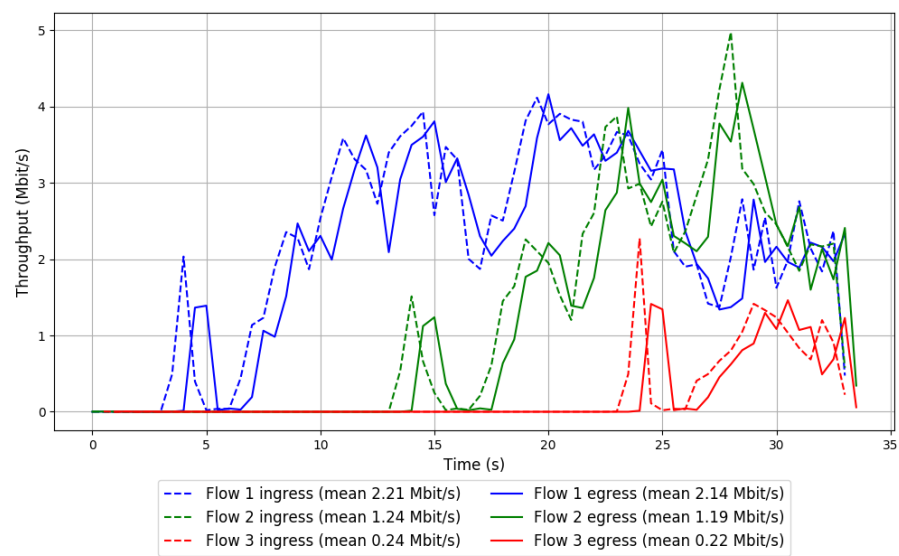


Run 3: Statistics of WebRTC media

Start at: 2018-12-02 17:13:57
End at: 2018-12-02 17:14:27
Local clock offset: 10.699 ms
Remote clock offset: 32.148 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 176.641 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 176.688 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 176.433 ms
Loss rate: 4.71%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 176.329 ms
Loss rate: 6.17%

Run 3: Report of WebRTC media — Data Link

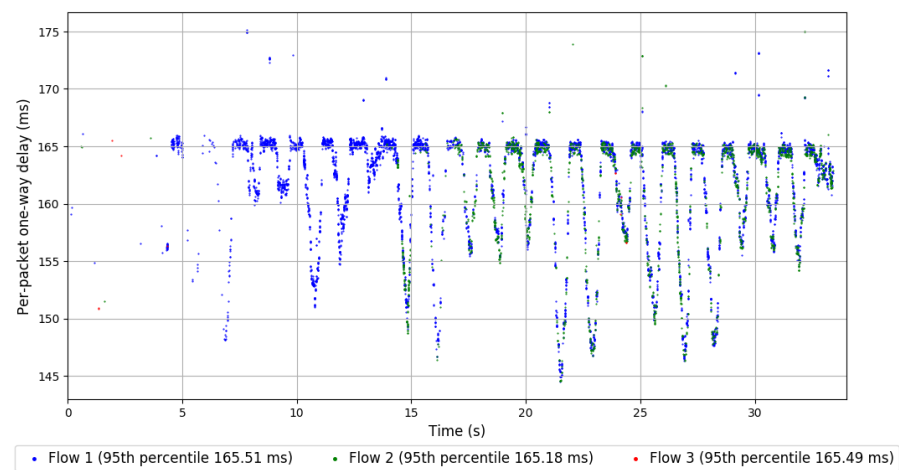
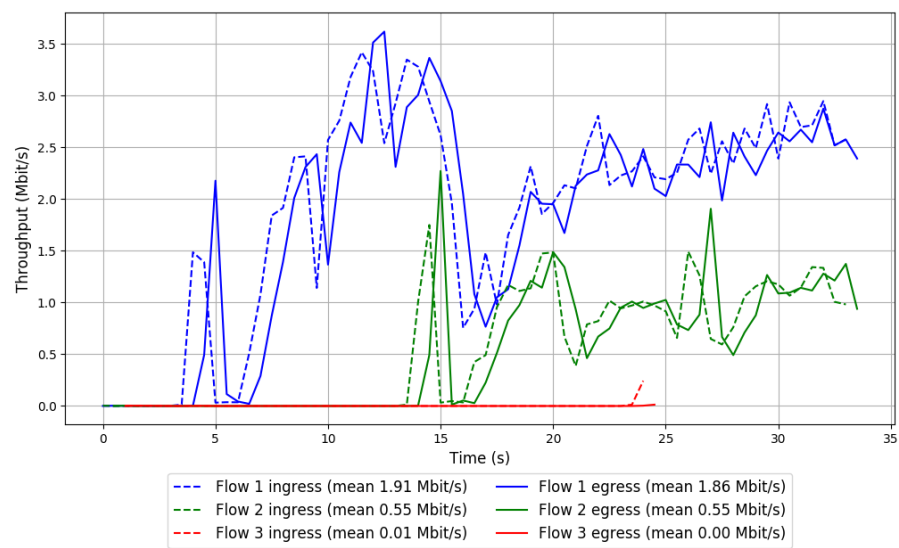


Run 4: Statistics of WebRTC media

Start at: 2018-12-02 18:03:58
End at: 2018-12-02 18:04:28
Local clock offset: 17.965 ms
Remote clock offset: 24.107 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 165.471 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 165.509 ms
Loss rate: 3.02%
-- Flow 2:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 165.181 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 165.488 ms
Loss rate: 91.07%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-12-02 18:44:45
End at: 2018-12-02 18:45:15
Local clock offset: 29.449 ms
Remote clock offset: 32.312 ms

Below is generated by plot.py at 2018-12-02 19:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 166.639 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 165.963 ms
Loss rate: 90.59%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 166.567 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 166.745 ms
Loss rate: 3.41%

Run 5: Report of WebRTC media — Data Link

