

Pantheon Report

Generated at 2018-11-30 09:27:39 (UTC).

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

Repeated the test of 19 congestion control schemes 5 times.

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

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

System info:

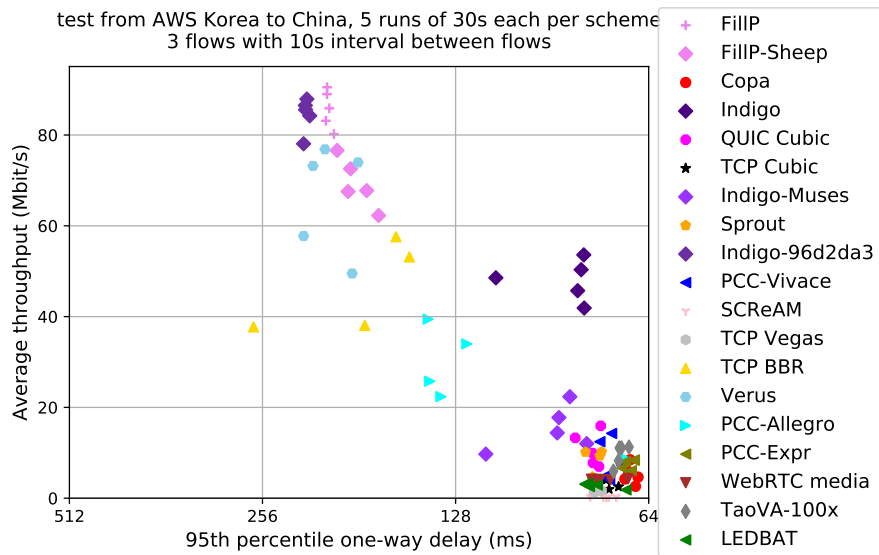
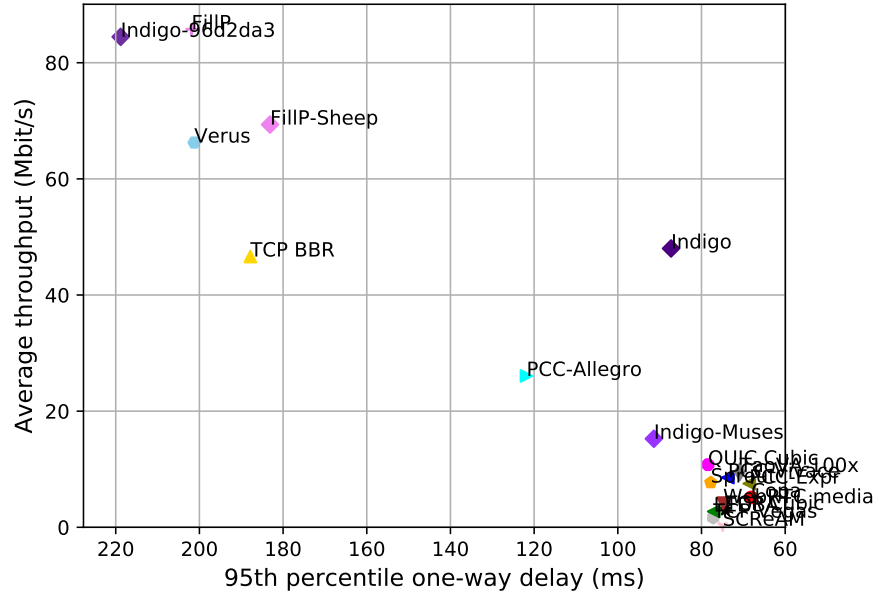
```
Linux 4.15.0-1027-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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 AWS Korea to China, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



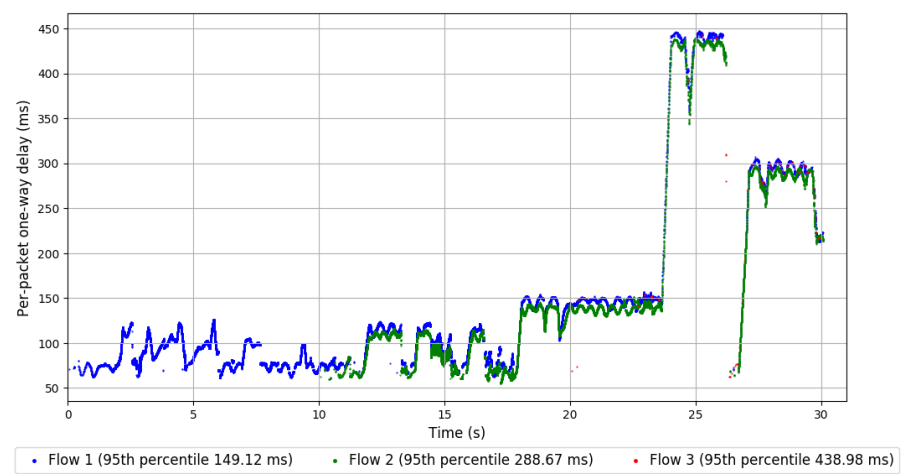
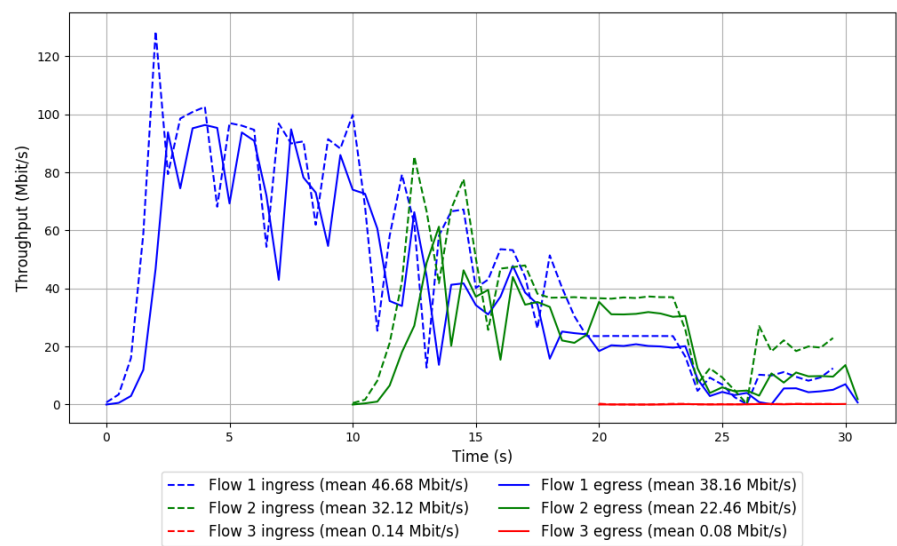
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	4	35.67	11.36	10.17	171.99	308.83	301.50	18.45	23.53	29.89
Copa	5	1.40	3.53	4.17	71.59	68.09	68.15	59.78	2.95	2.95
TCP Cubic	5	1.37	1.19	2.54	71.43	68.37	73.17	1.20	1.50	1.14
FillP	5	53.99	41.18	13.30	202.22	198.92	201.07	10.76	20.66	24.44
FillP-Sheep	5	36.02	40.07	20.05	180.85	183.03	187.95	2.03	2.30	2.90
Indigo	5	19.31	31.47	24.76	84.00	88.64	87.57	2.19	2.41	4.51
Indigo-96d2da3	5	57.21	29.01	25.92	218.66	216.79	218.61	28.67	44.79	50.17
LEDBAT	5	1.33	1.42	1.37	72.44	75.80	72.53	1.49	1.33	1.37
Indigo-Muses	5	9.81	4.56	7.40	84.40	93.11	83.78	1.80	1.86	1.52
PCC-Allegro	5	25.46	22.44	23.51	99.64	114.06	105.20	8.64	12.97	12.31
PCC-Expr	5	0.01	7.03	8.62	68.69	68.59	68.67	85.71	29.34	47.29
QUIC Cubic	5	4.74	5.80	6.74	76.44	77.18	76.60	1.15	1.42	1.52
SCReAM	5	0.12	0.14	0.17	70.67	73.80	75.25	1.55	1.47	1.27
Sprout	5	4.29	3.59	3.11	73.61	78.15	76.31	1.56	1.26	1.44
TaoVA-100x	5	3.53	6.07	5.87	70.96	70.56	72.76	45.17	16.85	27.14
TCP Vegas	5	0.75	0.89	0.95	71.09	74.29	74.52	1.53	1.60	1.59
Verus	5	45.45	22.62	18.01	192.46	201.91	216.05	4.72	16.39	24.22
PCC-Vivace	5	3.59	6.14	2.67	70.45	68.79	74.06	1.50	1.75	1.39
WebRTC media	5	2.30	1.47	0.43	72.33	70.87	73.97	1.64	1.79	1.75

Run 1: Statistics of TCP BBR

Start at: 2018-11-30 07:33:03
End at: 2018-11-30 07:33:33
Local clock offset: 1.646 ms
Remote clock offset: 19.937 ms

Below is generated by plot.py at 2018-11-30 09:23:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.14 Mbit/s
95th percentile per-packet one-way delay: 151.085 ms
Loss rate: 21.98%
-- Flow 1:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 149.123 ms
Loss rate: 18.28%
-- Flow 2:
Average throughput: 22.46 Mbit/s
95th percentile per-packet one-way delay: 288.669 ms
Loss rate: 30.01%
-- Flow 3:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 438.979 ms
Loss rate: 42.46%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-11-30 08:01:05

End at: 2018-11-30 08:01:35

Local clock offset: 0.775 ms

Remote clock offset: 30.51 ms

Below is generated by plot.py at 2018-11-30 09:23:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.59 Mbit/s

95th percentile per-packet one-way delay: 158.506 ms

Loss rate: 19.56%

-- Flow 1:

Average throughput: 46.28 Mbit/s

95th percentile per-packet one-way delay: 146.588 ms

Loss rate: 17.22%

-- Flow 2:

Average throughput: 9.14 Mbit/s

95th percentile per-packet one-way delay: 255.680 ms

Loss rate: 21.08%

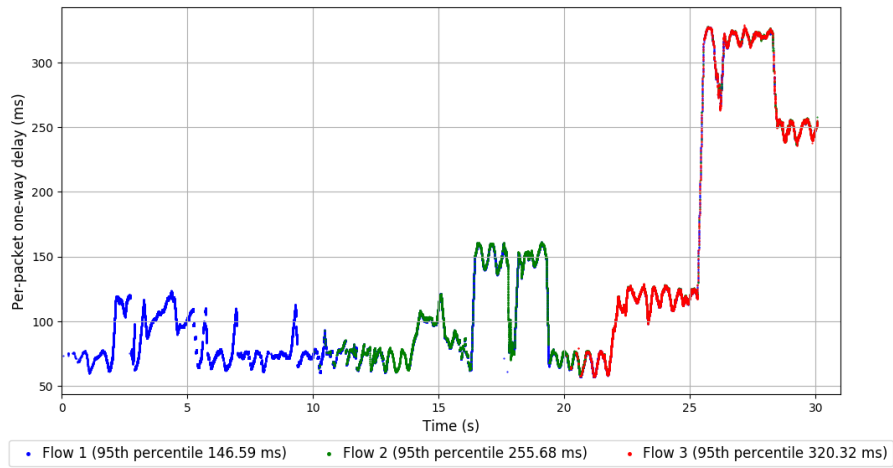
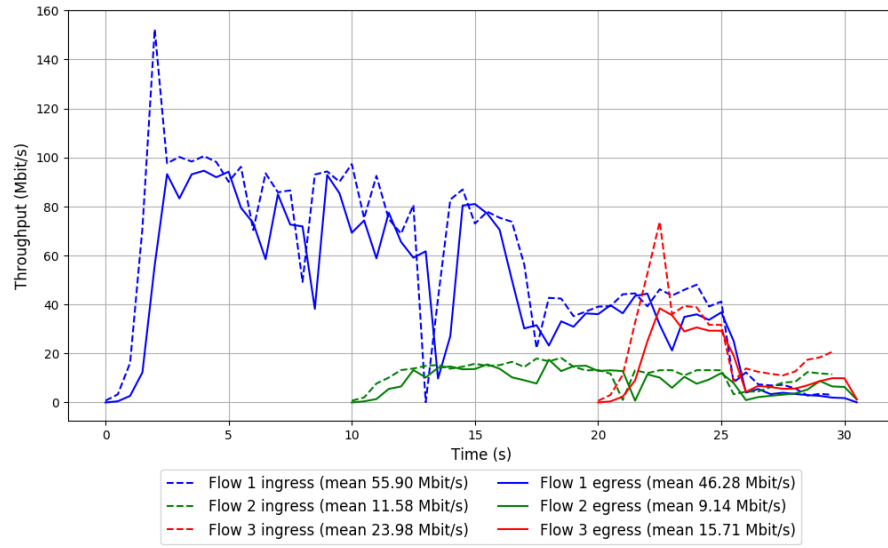
-- Flow 3:

Average throughput: 15.71 Mbit/s

95th percentile per-packet one-way delay: 320.324 ms

Loss rate: 34.45%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-11-30 08:25:44

End at: 2018-11-30 08:26:14

Local clock offset: 0.825 ms

Remote clock offset: 43.698 ms

Run 3: Report of TCP BBR — Data Link

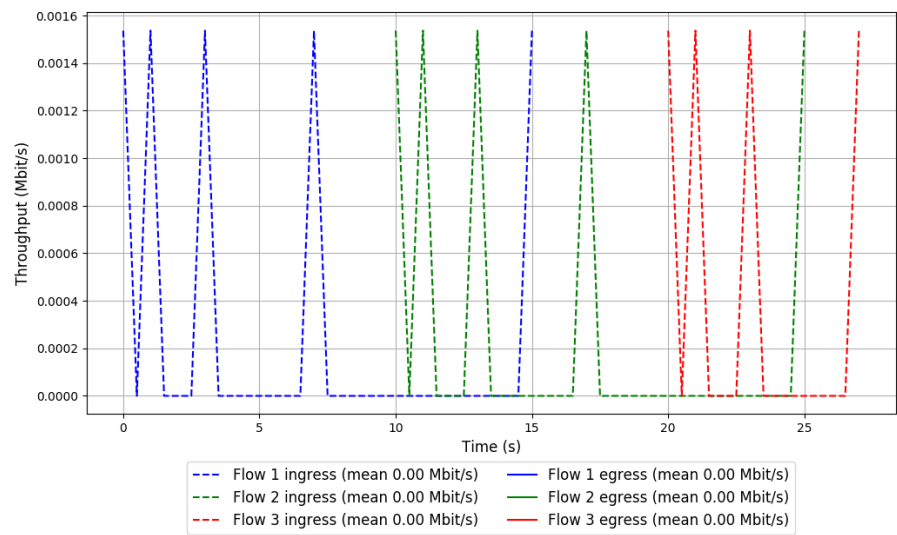


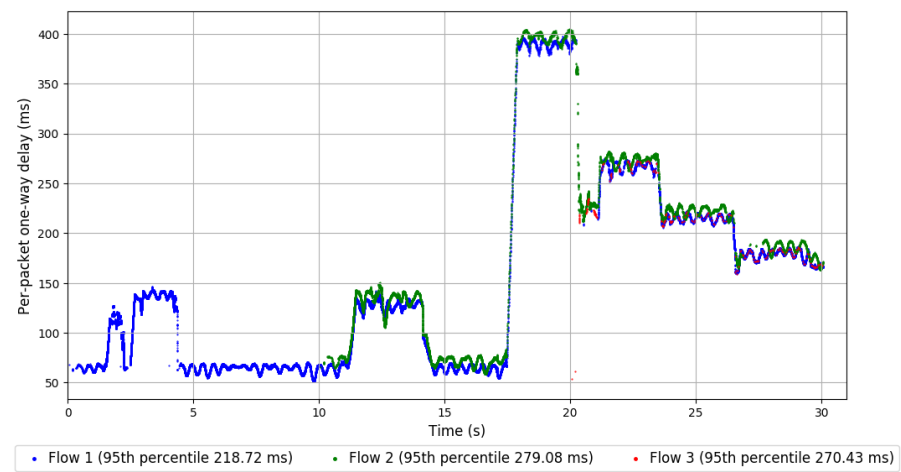
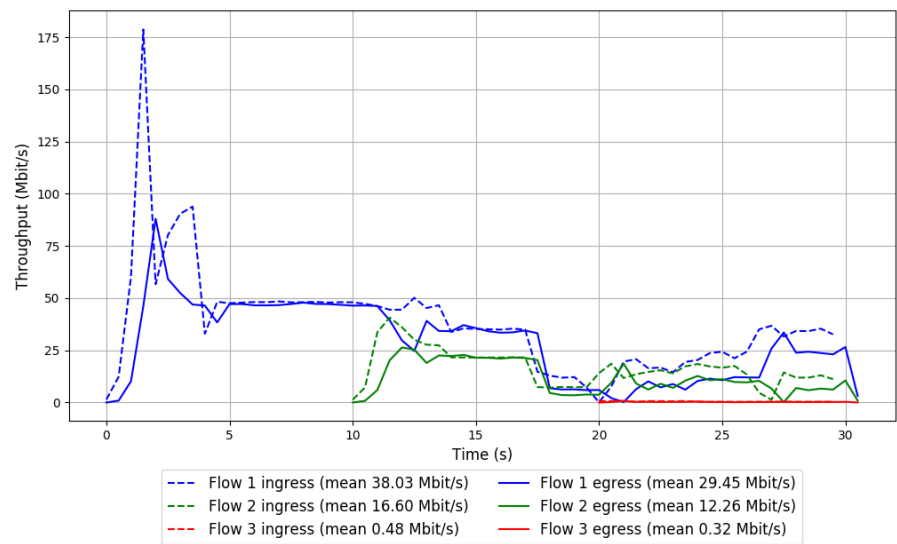
Figure is missing

Run 4: Statistics of TCP BBR

Start at: 2018-11-30 08:51:03
End at: 2018-11-30 08:51:33
Local clock offset: 1.053 ms
Remote clock offset: 19.212 ms

Below is generated by plot.py at 2018-11-30 09:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 264.368 ms
Loss rate: 23.38%
-- Flow 1:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 218.724 ms
Loss rate: 22.55%
-- Flow 2:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 279.079 ms
Loss rate: 26.10%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 270.427 ms
Loss rate: 33.82%

Run 4: Report of TCP BBR — Data Link

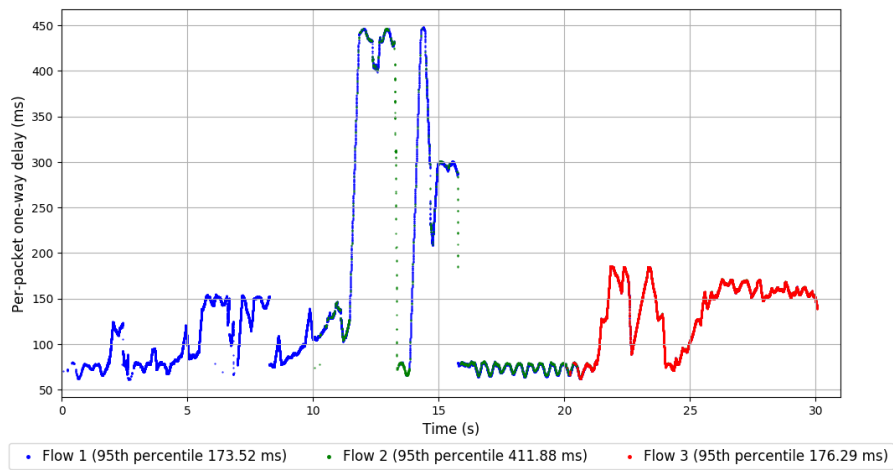
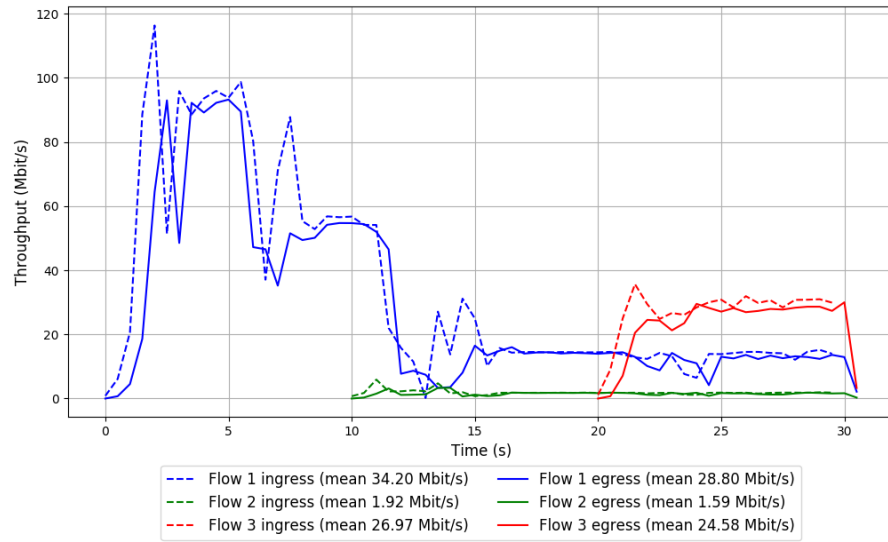


Run 5: Statistics of TCP BBR

Start at: 2018-11-30 09:16:00
End at: 2018-11-30 09:16:30
Local clock offset: 1.219 ms
Remote clock offset: 35.587 ms

Below is generated by plot.py at 2018-11-30 09:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 177.341 ms
Loss rate: 14.39%
-- Flow 1:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 173.516 ms
Loss rate: 15.76%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 411.879 ms
Loss rate: 16.92%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 176.288 ms
Loss rate: 8.82%

Run 5: Report of TCP BBR — Data Link

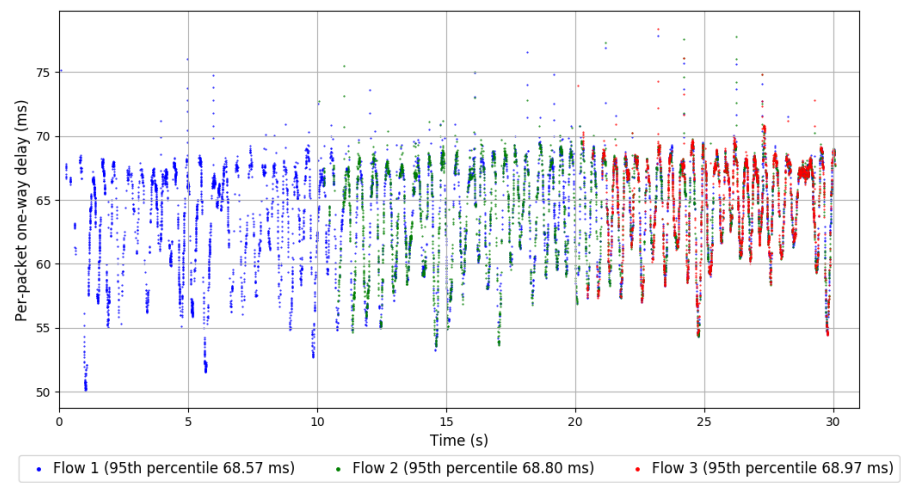
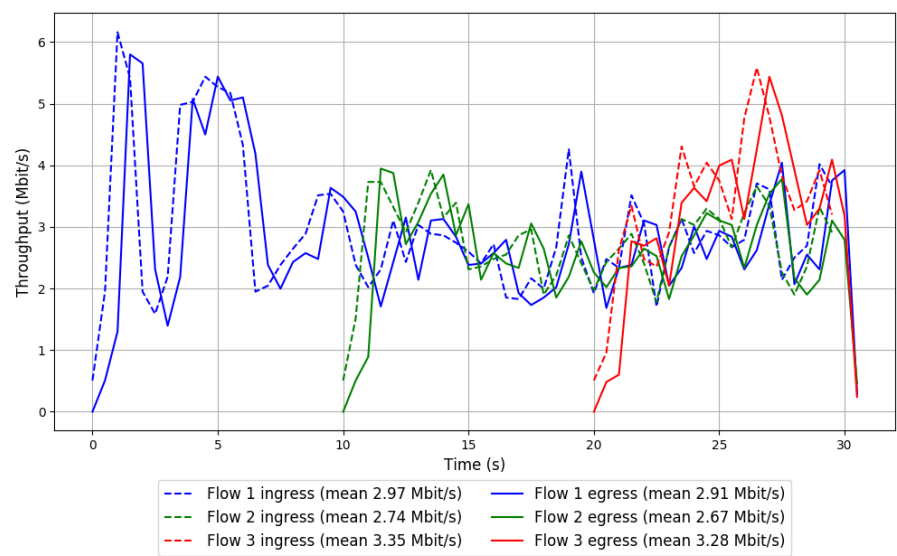


Run 1: Statistics of Copa

Start at: 2018-11-30 07:23:34
End at: 2018-11-30 07:24:04
Local clock offset: 1.008 ms
Remote clock offset: 29.987 ms

Below is generated by plot.py at 2018-11-30 09:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 68.724 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 68.574 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 68.795 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 68.971 ms
Loss rate: 2.27%

Run 1: Report of Copa — Data Link

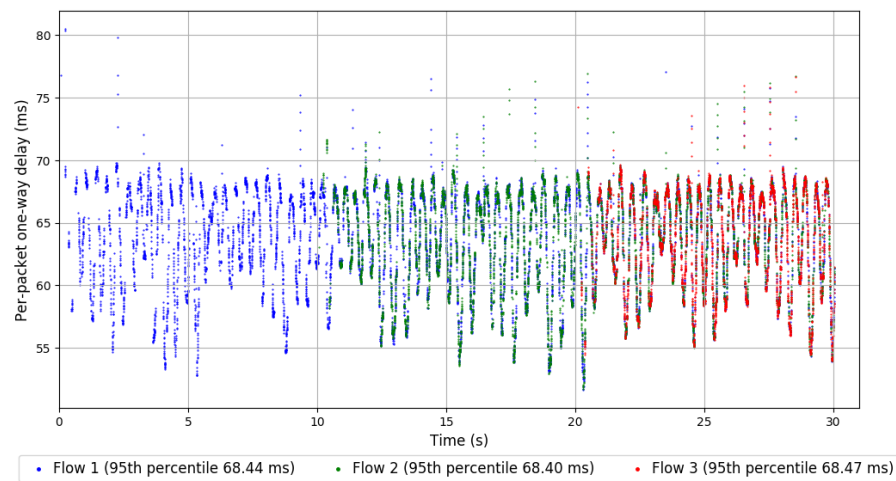
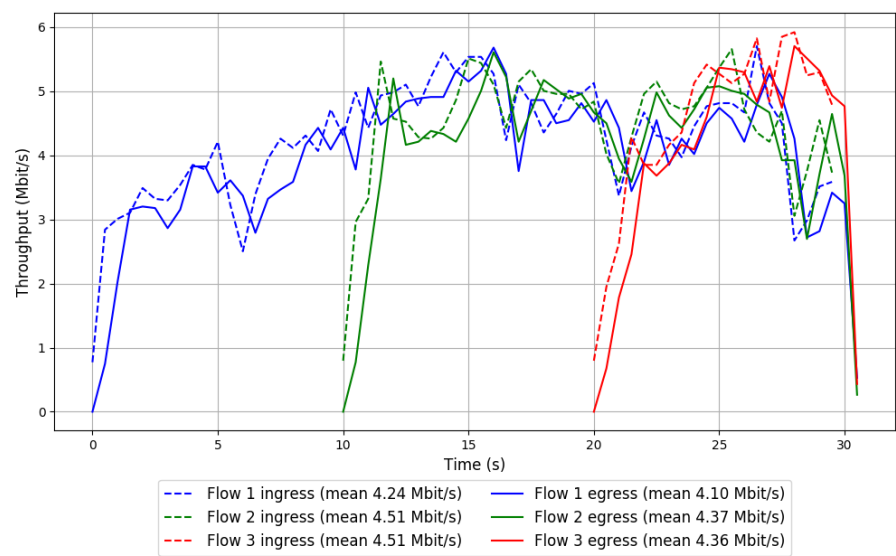


Run 2: Statistics of Copa

Start at: 2018-11-30 07:51:56
End at: 2018-11-30 07:52:26
Local clock offset: 1.238 ms
Remote clock offset: 10.922 ms

Below is generated by plot.py at 2018-11-30 09:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 68.424 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 68.438 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 68.396 ms
Loss rate: 3.15%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 68.467 ms
Loss rate: 3.35%

Run 2: Report of Copa — Data Link

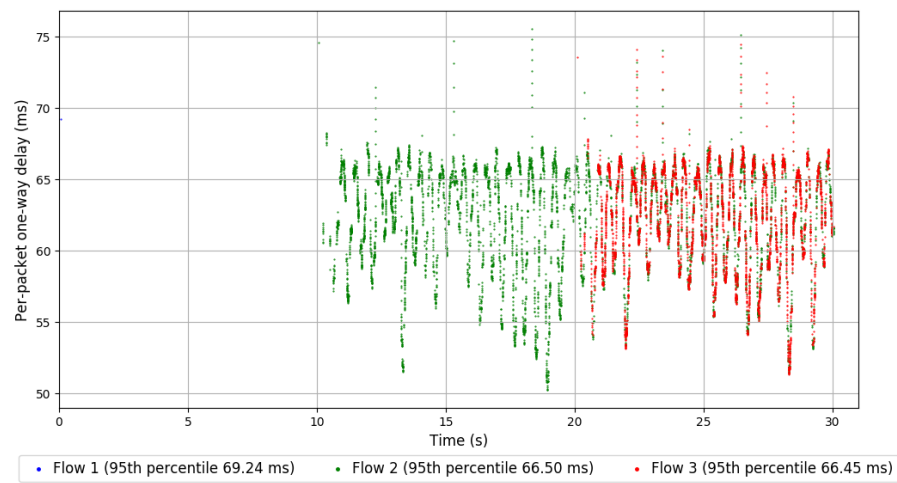
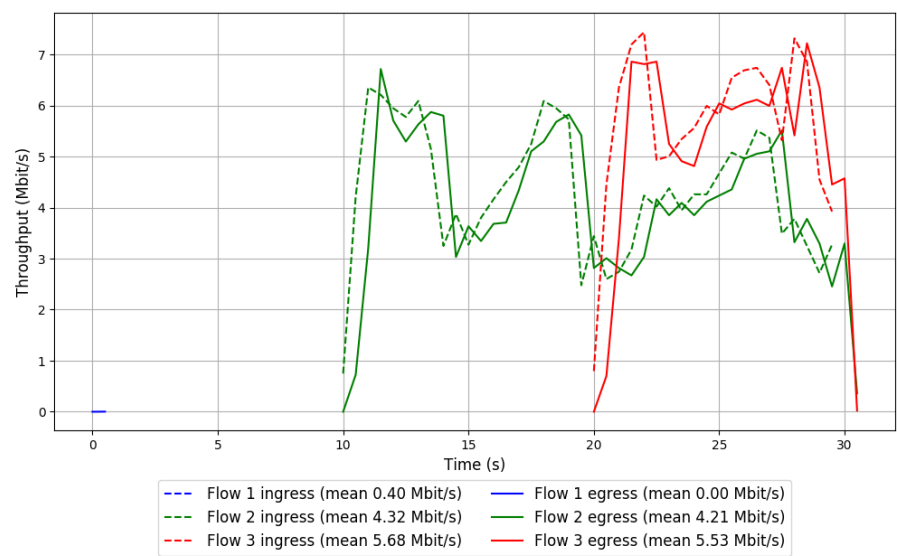


Run 3: Statistics of Copa

Start at: 2018-11-30 08:16:35
End at: 2018-11-30 08:17:05
Local clock offset: 0.567 ms
Remote clock offset: 40.648 ms

Below is generated by plot.py at 2018-11-30 09:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 66.487 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 69.239 ms
Loss rate: 98.33%
-- Flow 2:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 66.504 ms
Loss rate: 2.69%
-- Flow 3:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 66.455 ms
Loss rate: 2.81%

Run 3: Report of Copa — Data Link

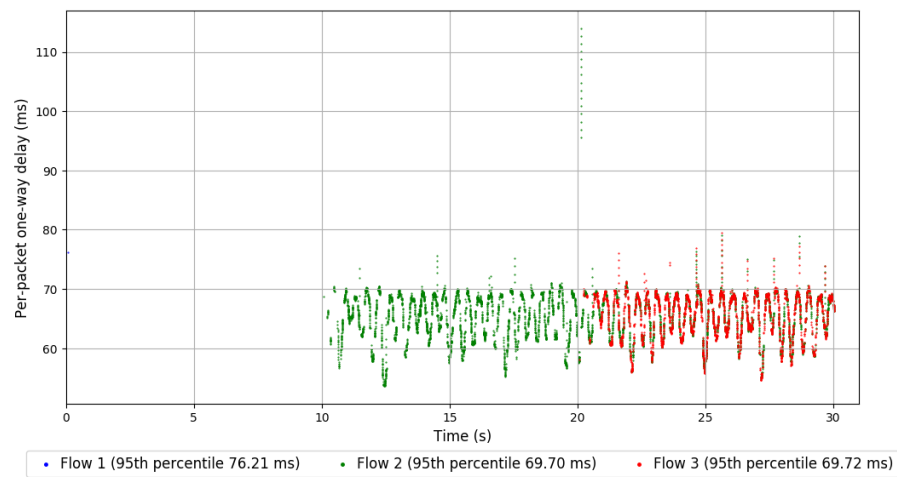
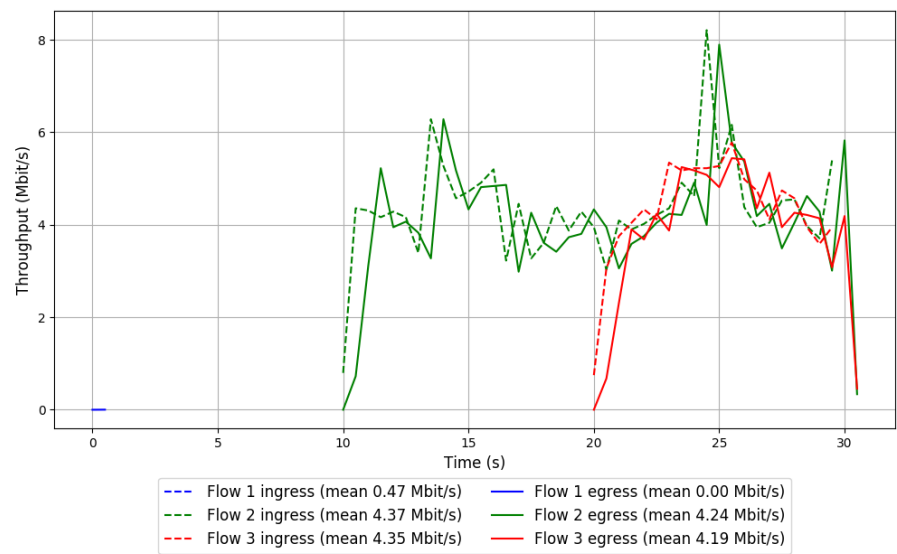


Run 4: Statistics of Copa

Start at: 2018-11-30 08:41:53
End at: 2018-11-30 08:42:23
Local clock offset: 0.836 ms
Remote clock offset: 25.152 ms

Below is generated by plot.py at 2018-11-30 09:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 69.711 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 76.209 ms
Loss rate: 98.60%
-- Flow 2:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 69.703 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 69.721 ms
Loss rate: 3.55%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-11-30 09:06:37

End at: 2018-11-30 09:07:07

Local clock offset: 0.815 ms

Remote clock offset: 24.94 ms

Below is generated by plot.py at 2018-11-30 09:23:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 67.102 ms

Loss rate: 3.13%

-- Flow 1:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 75.514 ms

Loss rate: 96.71%

-- Flow 2:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 67.062 ms

Loss rate: 3.31%

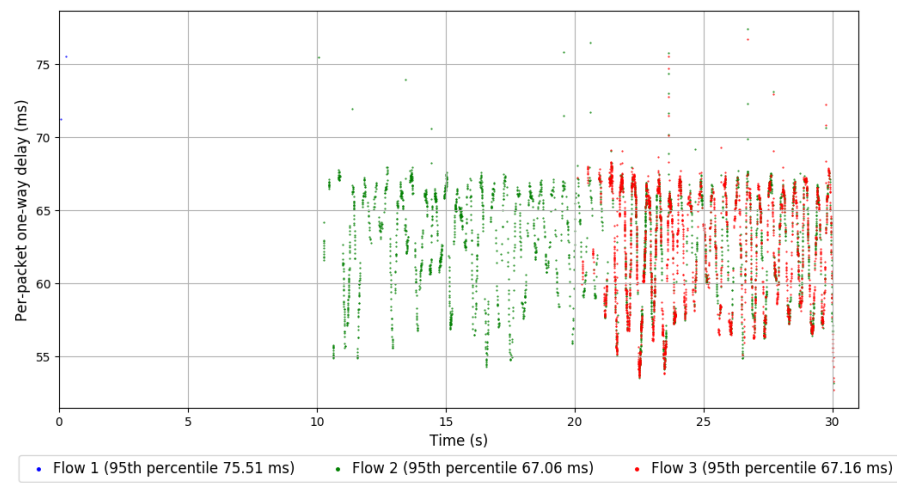
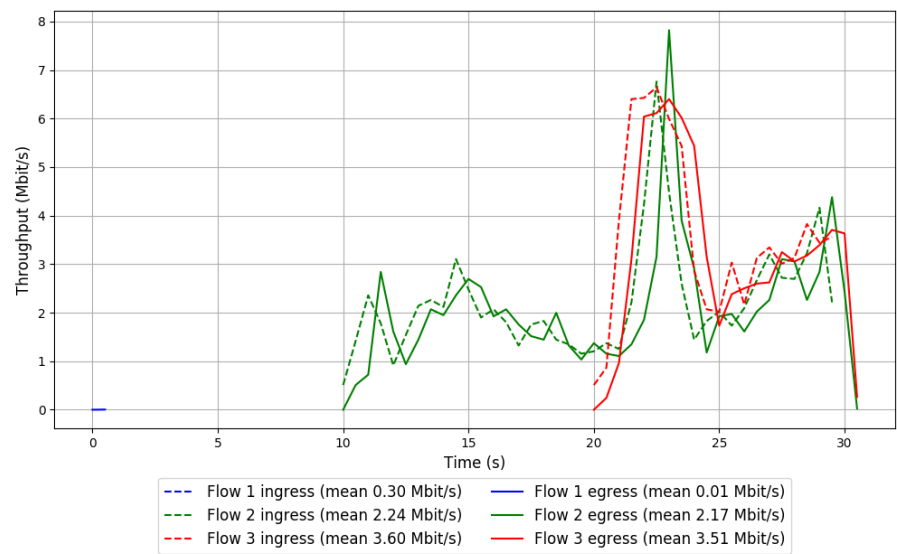
-- Flow 3:

Average throughput: 3.51 Mbit/s

95th percentile per-packet one-way delay: 67.155 ms

Loss rate: 2.75%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-11-30 07:26:19

End at: 2018-11-30 07:26:49

Local clock offset: 1.193 ms

Remote clock offset: 26.75 ms

Below is generated by plot.py at 2018-11-30 09:23:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 77.049 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 77.281 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 69.802 ms

Loss rate: 2.04%

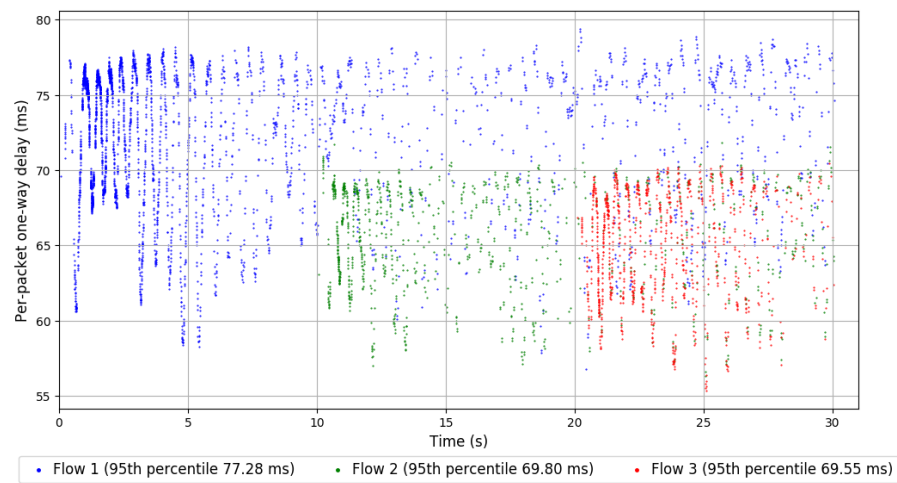
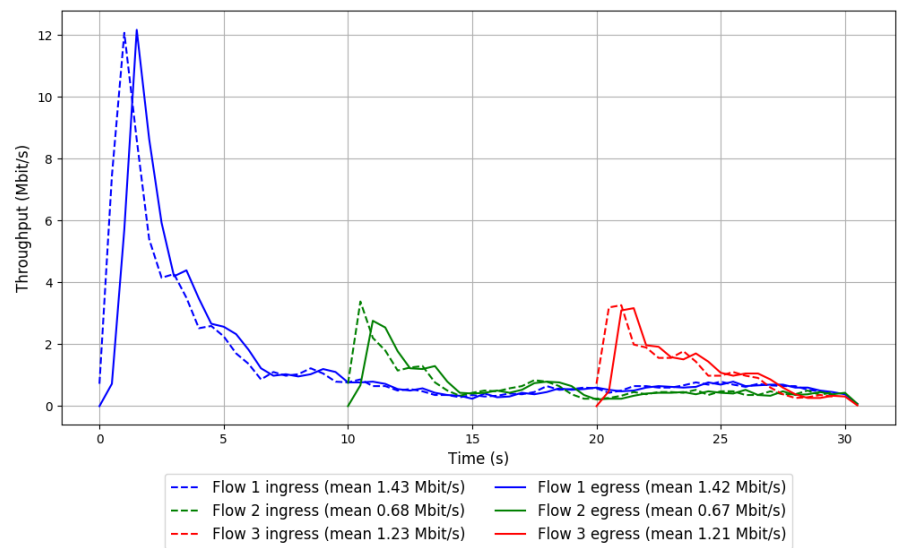
-- Flow 3:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 69.545 ms

Loss rate: 1.95%

Run 1: Report of TCP Cubic — Data Link

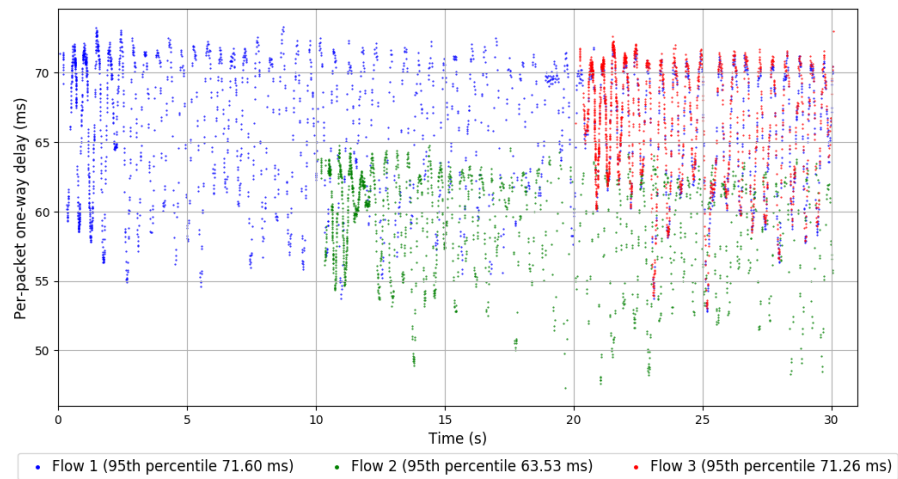
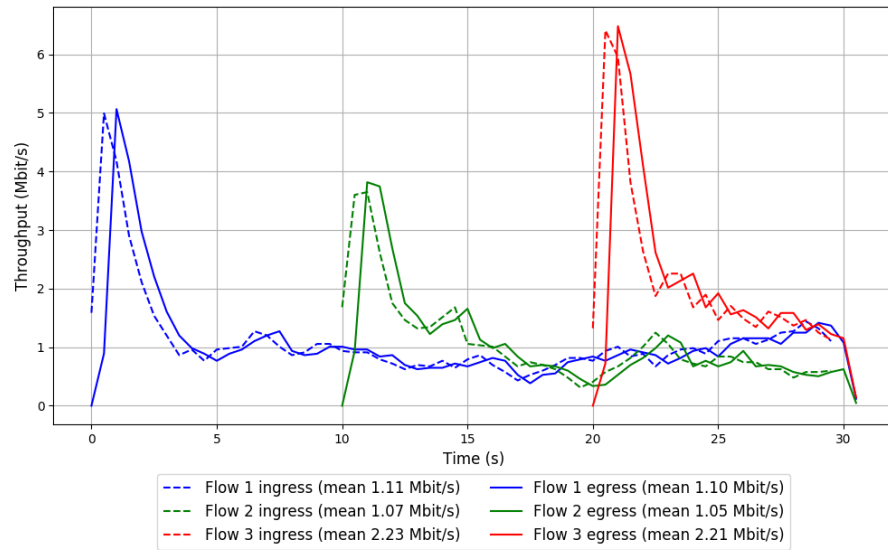


Run 2: Statistics of TCP Cubic

Start at: 2018-11-30 07:54:38
End at: 2018-11-30 07:55:08
Local clock offset: 0.972 ms
Remote clock offset: 12.484 ms

Below is generated by plot.py at 2018-11-30 09:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 71.311 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 71.596 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 63.533 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 71.257 ms
Loss rate: 0.97%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-11-30 08:19:15

End at: 2018-11-30 08:19:45

Local clock offset: 0.804 ms

Remote clock offset: 41.53 ms

Below is generated by plot.py at 2018-11-30 09:23:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 74.471 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 66.337 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 74.622 ms

Loss rate: 0.81%

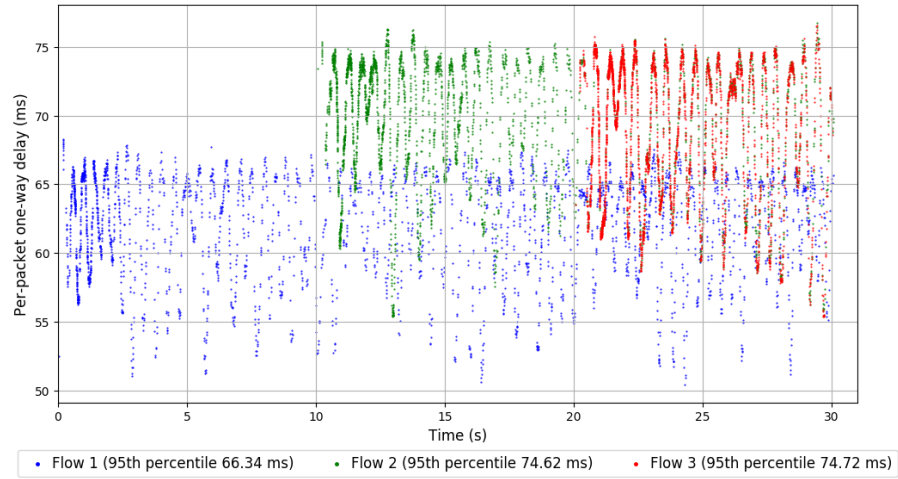
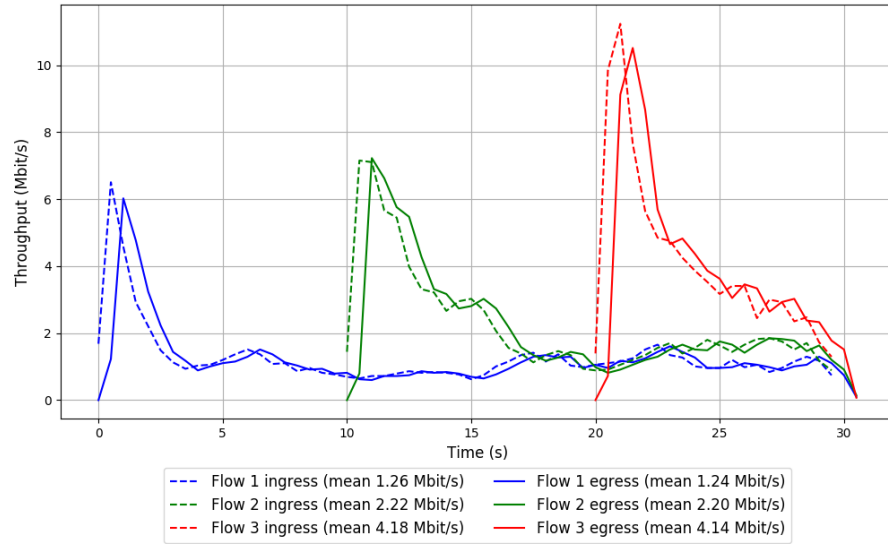
-- Flow 3:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 74.720 ms

Loss rate: 0.81%

Run 3: Report of TCP Cubic — Data Link

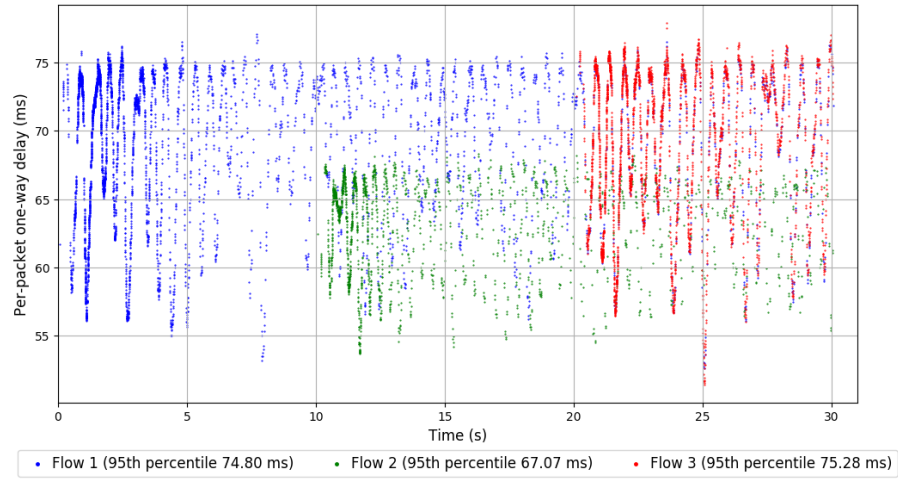
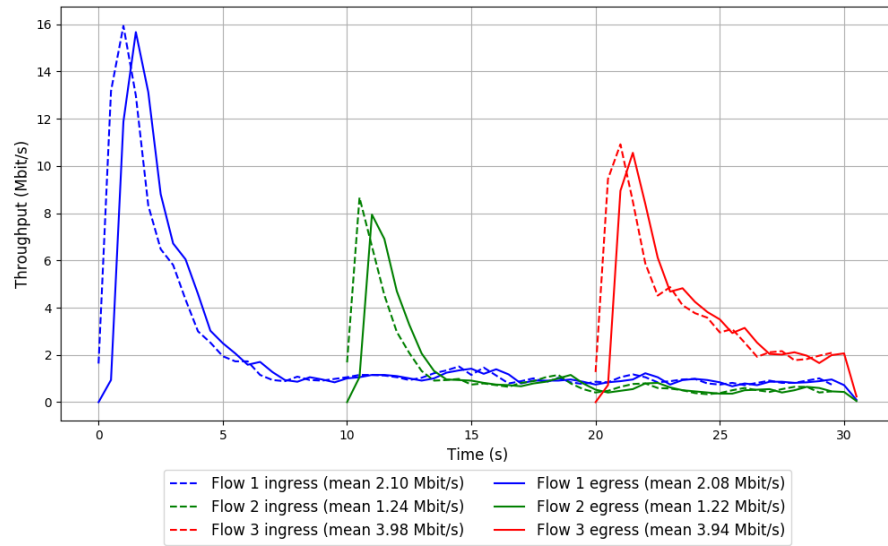


Run 4: Statistics of TCP Cubic

Start at: 2018-11-30 08:44:34
End at: 2018-11-30 08:45:04
Local clock offset: 0.824 ms
Remote clock offset: 20.739 ms

Below is generated by plot.py at 2018-11-30 09:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 74.902 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 74.804 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 67.074 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 75.285 ms
Loss rate: 0.97%

Run 4: Report of TCP Cubic — Data Link

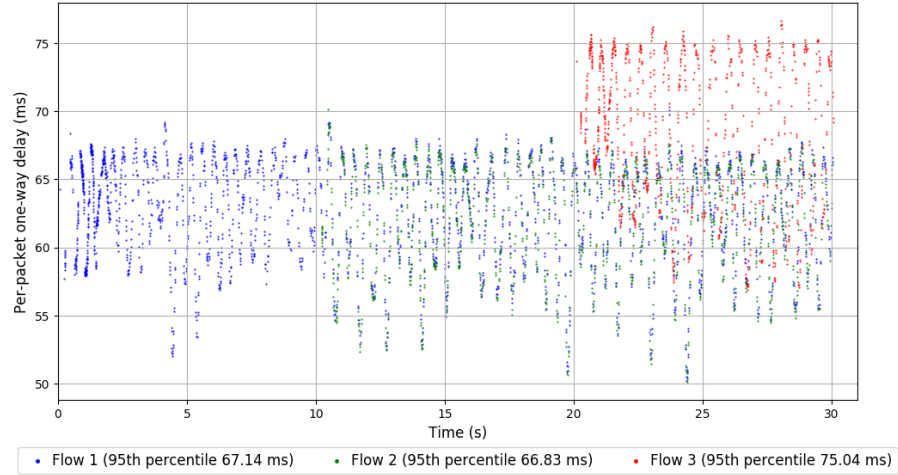
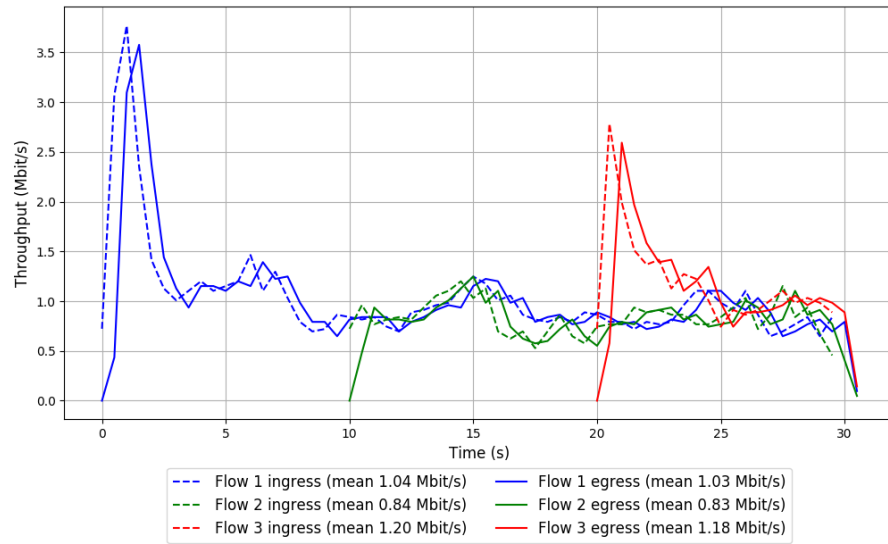


Run 5: Statistics of TCP Cubic

Start at: 2018-11-30 09:09:20
End at: 2018-11-30 09:09:50
Local clock offset: 1.017 ms
Remote clock offset: 28.196 ms

Below is generated by plot.py at 2018-11-30 09:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 73.789 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 67.140 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 66.825 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 75.043 ms
Loss rate: 1.01%

Run 5: Report of TCP Cubic — Data Link

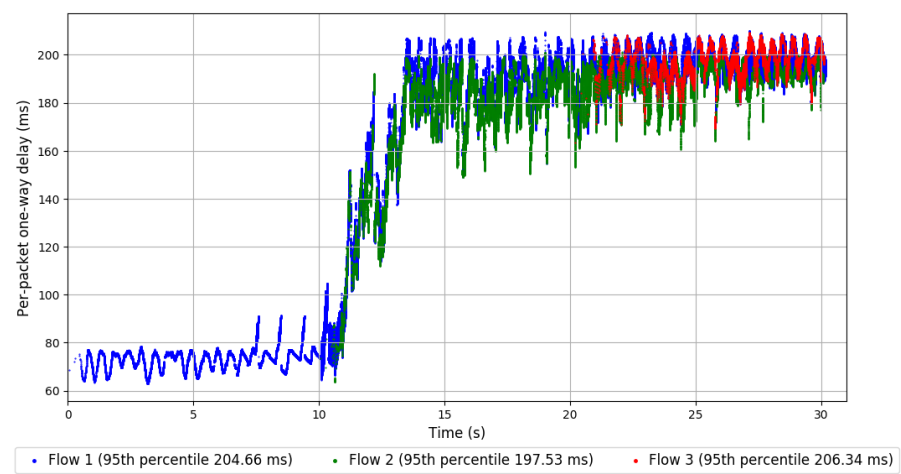
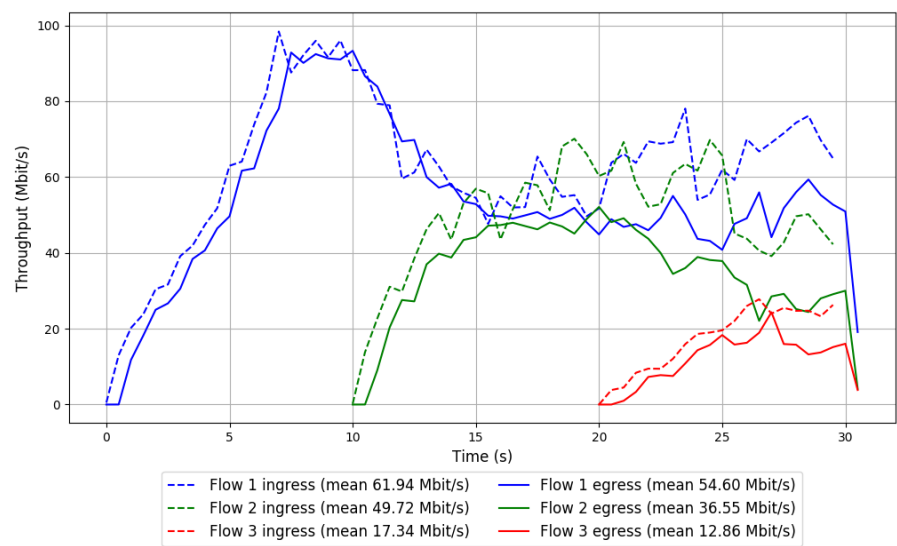


Run 1: Statistics of FillP

Start at: 2018-11-30 07:34:25
End at: 2018-11-30 07:34:55
Local clock offset: 1.891 ms
Remote clock offset: 19.465 ms

Below is generated by plot.py at 2018-11-30 09:24:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 203.876 ms
Loss rate: 17.19%
-- Flow 1:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 204.657 ms
Loss rate: 11.47%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 197.533 ms
Loss rate: 26.33%
-- Flow 3:
Average throughput: 12.86 Mbit/s
95th percentile per-packet one-way delay: 206.338 ms
Loss rate: 26.06%

Run 1: Report of FillP — Data Link

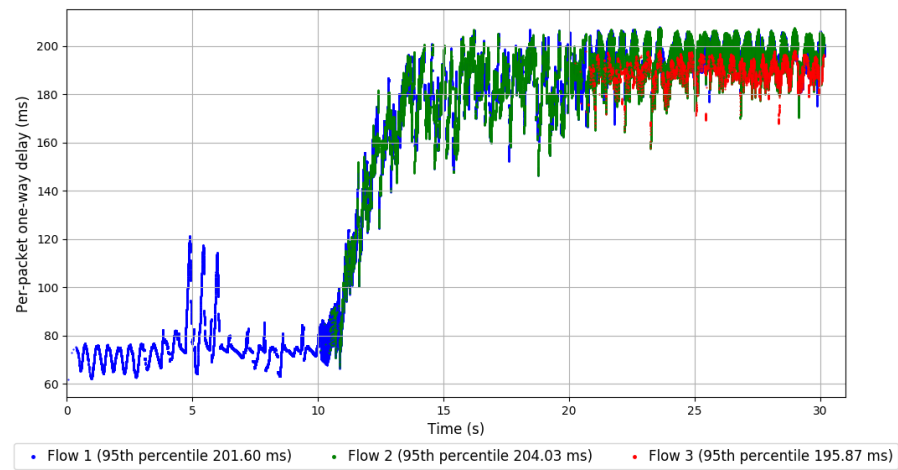
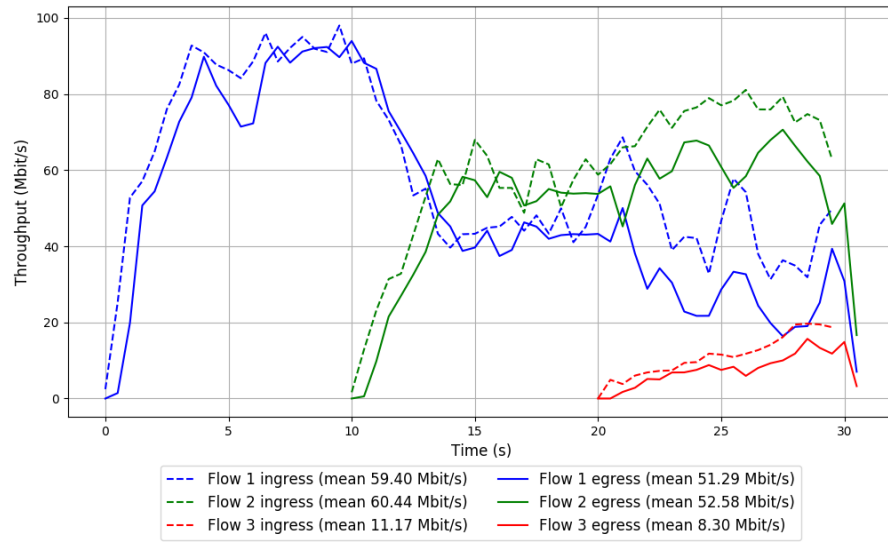


Run 2: Statistics of FillP

Start at: 2018-11-30 08:02:27
End at: 2018-11-30 08:02:57
Local clock offset: 0.753 ms
Remote clock offset: 32.128 ms

Below is generated by plot.py at 2018-11-30 09:24:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 203.059 ms
Loss rate: 13.47%
-- Flow 1:
Average throughput: 51.29 Mbit/s
95th percentile per-packet one-way delay: 201.600 ms
Loss rate: 13.27%
-- Flow 2:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 204.027 ms
Loss rate: 12.64%
-- Flow 3:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 195.868 ms
Loss rate: 25.66%

Run 2: Report of FillP — Data Link

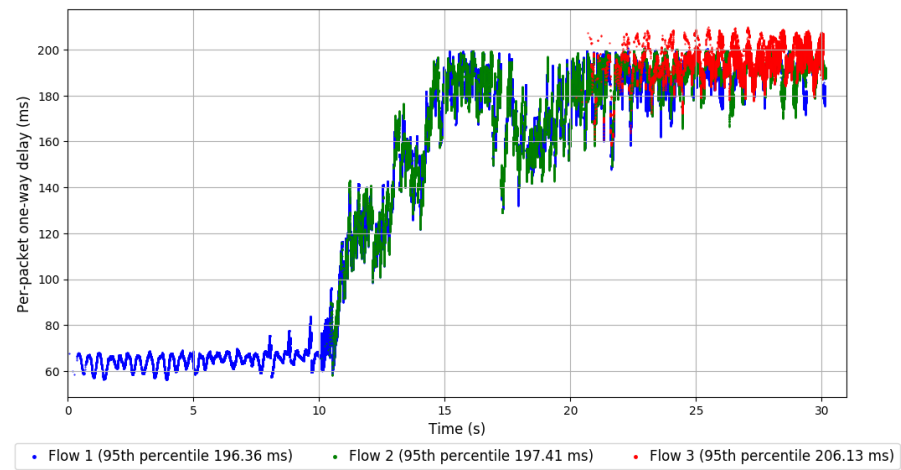
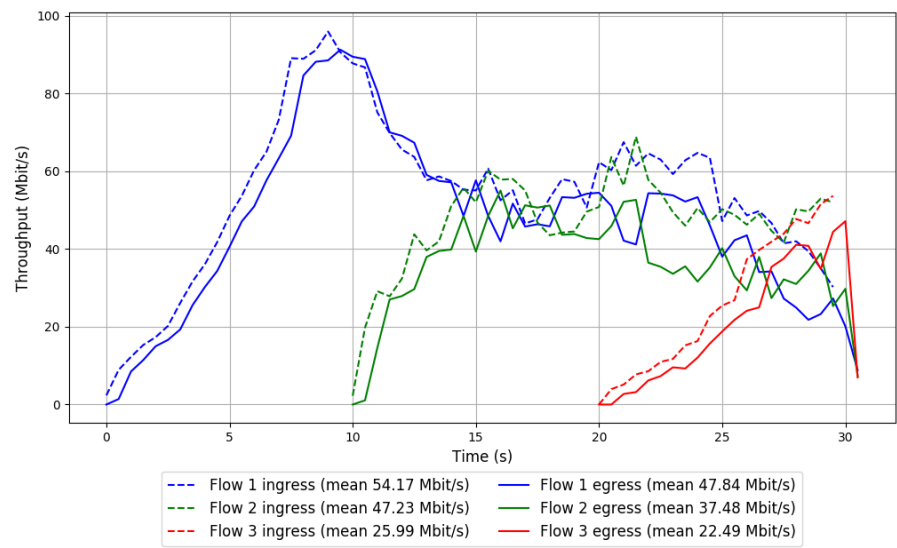


Run 3: Statistics of FillP

Start at: 2018-11-30 08:27:44
End at: 2018-11-30 08:28:14
Local clock offset: 0.762 ms
Remote clock offset: 42.907 ms

Below is generated by plot.py at 2018-11-30 09:24:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 198.112 ms
Loss rate: 14.53%
-- Flow 1:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 196.362 ms
Loss rate: 11.32%
-- Flow 2:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 197.412 ms
Loss rate: 20.16%
-- Flow 3:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 206.132 ms
Loss rate: 14.16%

Run 3: Report of FillP — Data Link

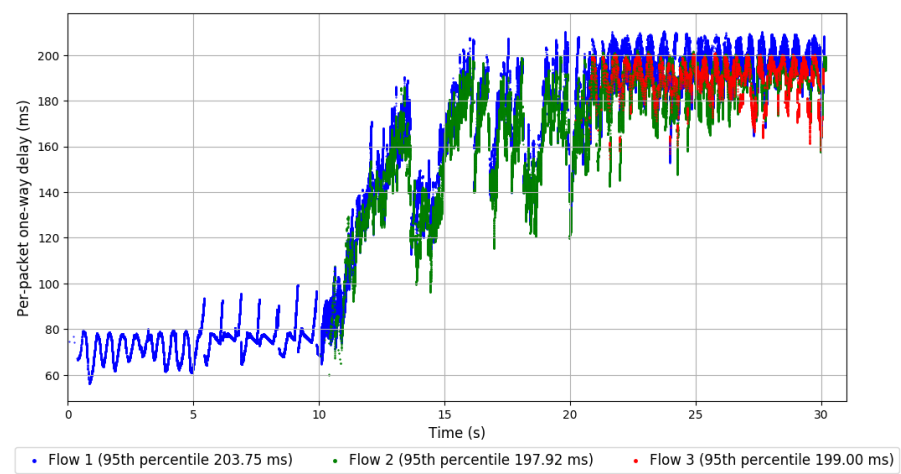
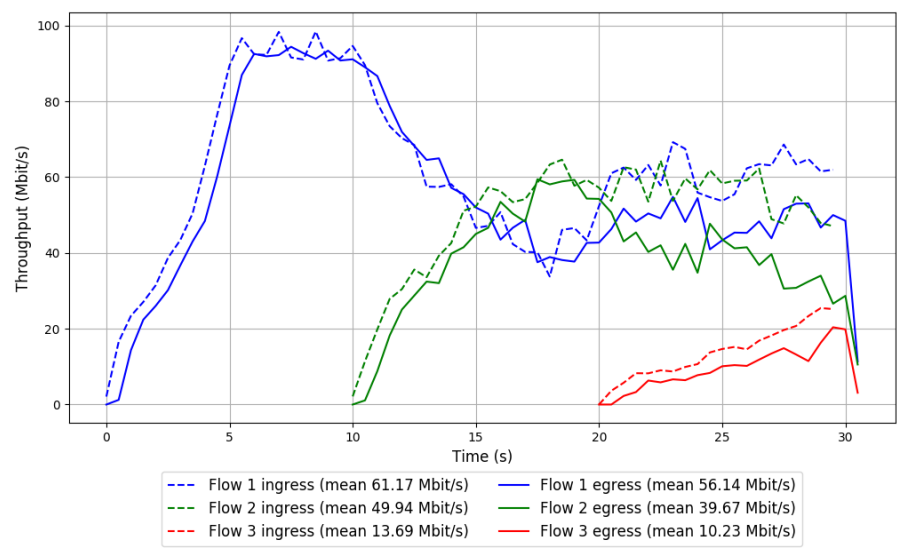


Run 4: Statistics of FillP

Start at: 2018-11-30 08:52:21
End at: 2018-11-30 08:52:51
Local clock offset: 0.794 ms
Remote clock offset: 19.851 ms

Below is generated by plot.py at 2018-11-30 09:24:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 201.423 ms
Loss rate: 12.87%
-- Flow 1:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 203.751 ms
Loss rate: 8.02%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 197.923 ms
Loss rate: 20.05%
-- Flow 3:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 199.002 ms
Loss rate: 25.67%

Run 4: Report of FillP — Data Link

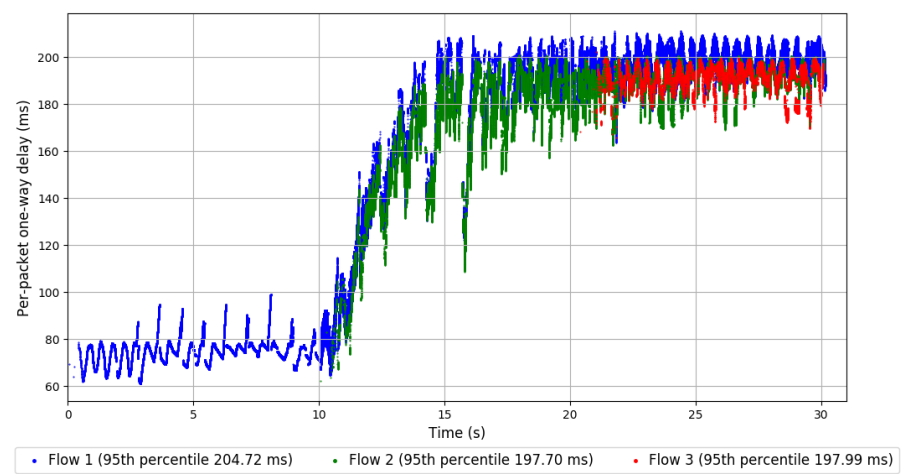
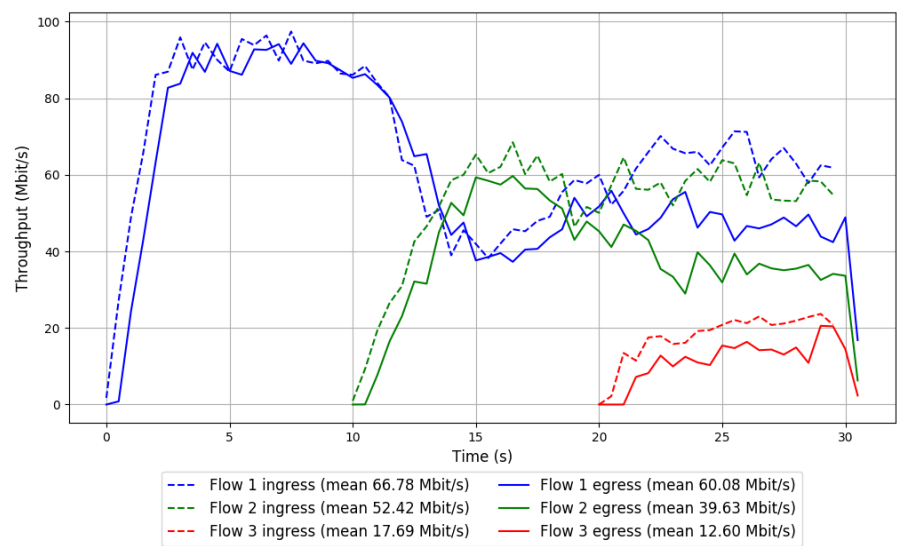


Run 5: Statistics of FillP

Start at: 2018-11-30 09:17:22
End at: 2018-11-30 09:17:52
Local clock offset: 1.163 ms
Remote clock offset: 35.777 ms

Below is generated by plot.py at 2018-11-30 09:24:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 203.023 ms
Loss rate: 15.53%
-- Flow 1:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: 204.717 ms
Loss rate: 9.70%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 197.699 ms
Loss rate: 24.13%
-- Flow 3:
Average throughput: 12.60 Mbit/s
95th percentile per-packet one-way delay: 197.986 ms
Loss rate: 30.66%

Run 5: Report of FillP — Data Link

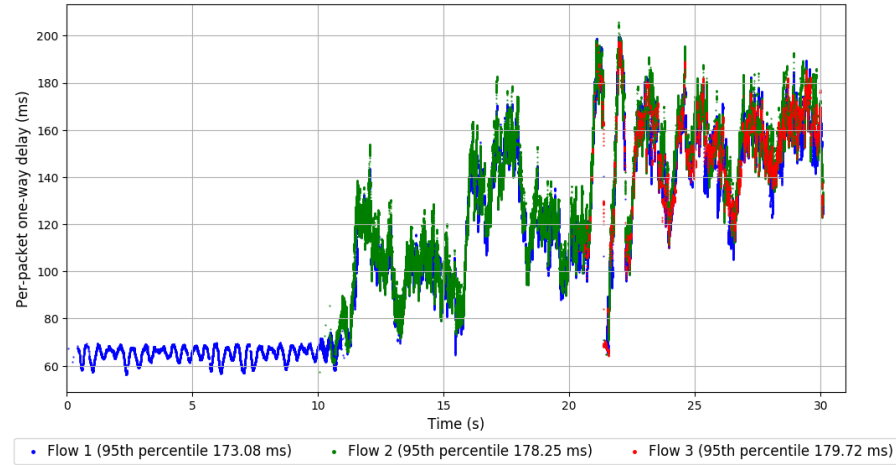
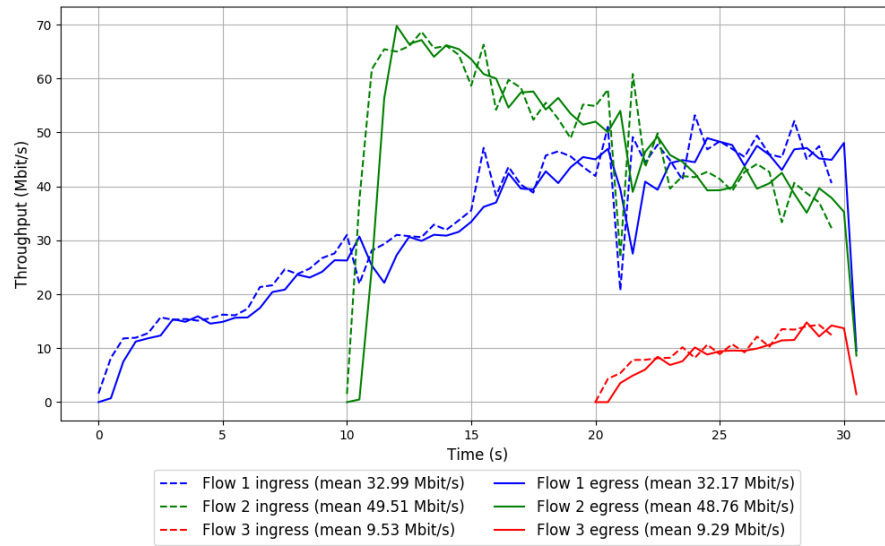


Run 1: Statistics of FillP-Sheep

Start at: 2018-11-30 07:27:37
End at: 2018-11-30 07:28:07
Local clock offset: 1.497 ms
Remote clock offset: 25.742 ms

Below is generated by plot.py at 2018-11-30 09:24:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.76 Mbit/s
95th percentile per-packet one-way delay: 176.118 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 173.077 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 178.250 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 179.721 ms
Loss rate: 2.70%

Run 1: Report of FillP-Sheep — Data Link

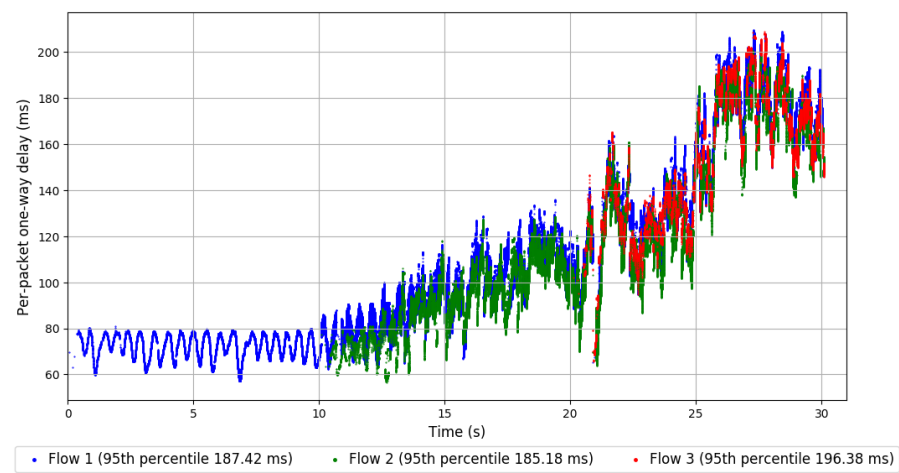
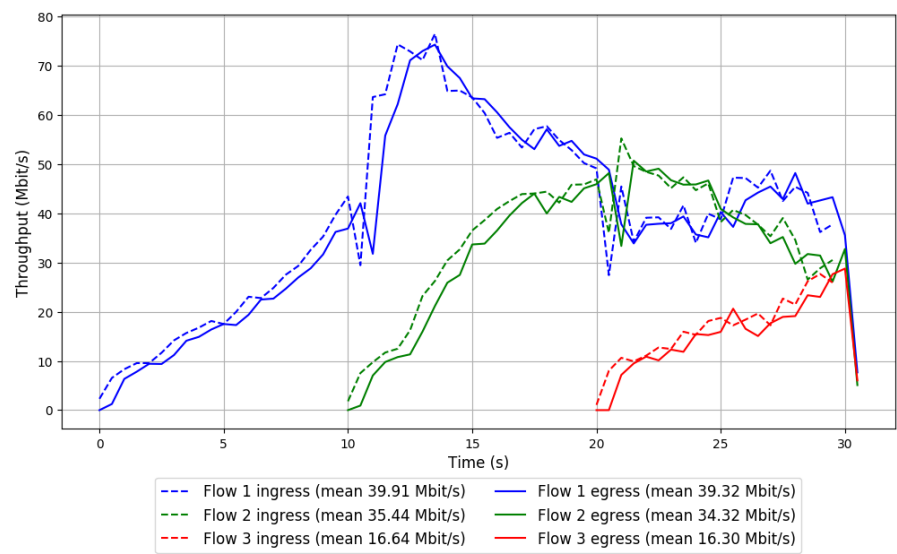


Run 2: Statistics of FillP-Sheep

Start at: 2018-11-30 07:55:53
End at: 2018-11-30 07:56:23
Local clock offset: 0.918 ms
Remote clock offset: 23.172 ms

Below is generated by plot.py at 2018-11-30 09:24:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.56 Mbit/s
95th percentile per-packet one-way delay: 188.259 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 187.420 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 185.180 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 196.377 ms
Loss rate: 1.59%

Run 2: Report of FillP-Sheep — Data Link

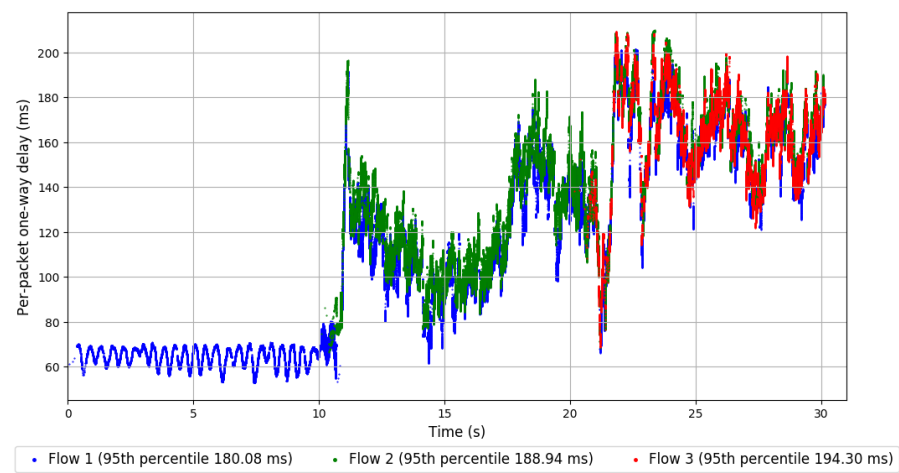
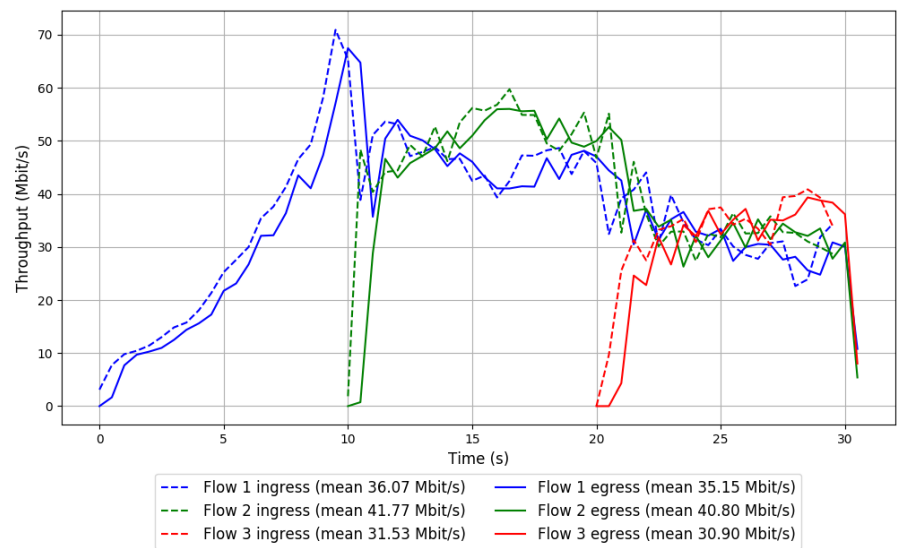


Run 3: Statistics of FillP-Sheep

Start at: 2018-11-30 08:20:30
End at: 2018-11-30 08:21:00
Local clock offset: 0.617 ms
Remote clock offset: 45.352 ms

Below is generated by plot.py at 2018-11-30 09:24:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 186.639 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 180.080 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 188.939 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 194.303 ms
Loss rate: 1.96%

Run 3: Report of FillP-Sheep — Data Link

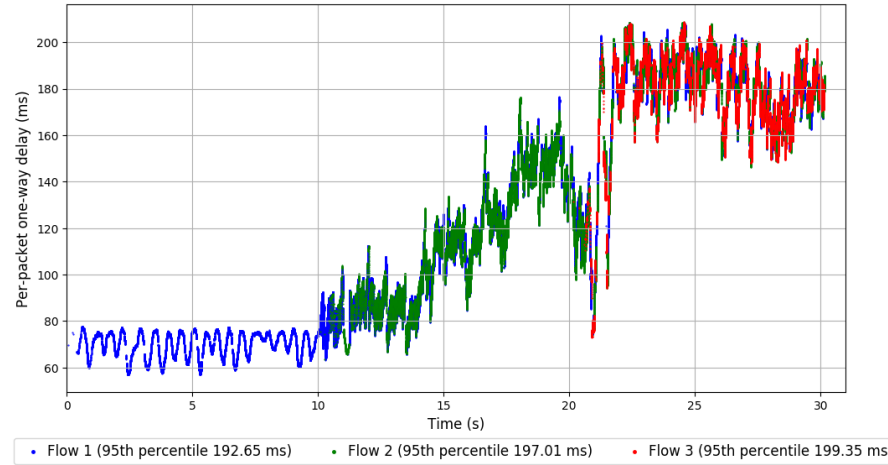
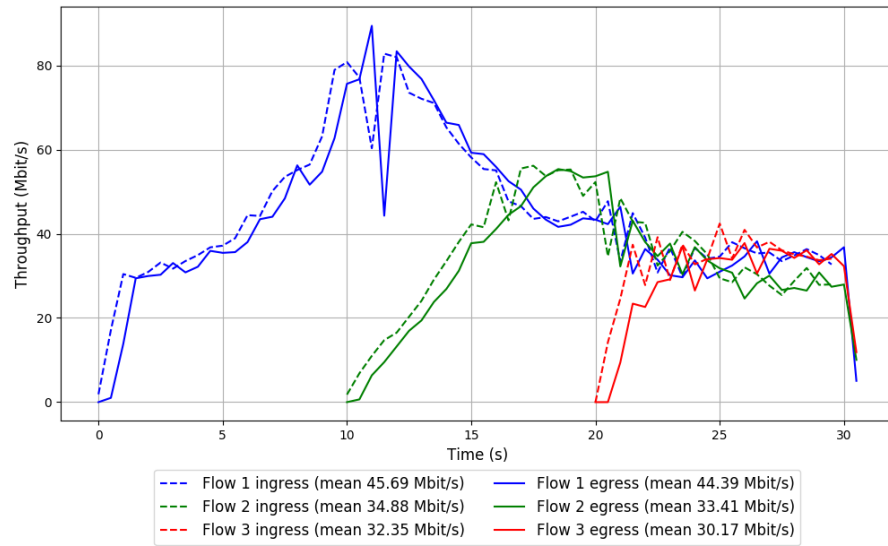


Run 4: Statistics of FillP-Sheep

Start at: 2018-11-30 08:45:49
End at: 2018-11-30 08:46:19
Local clock offset: 1.011 ms
Remote clock offset: 22.059 ms

Below is generated by plot.py at 2018-11-30 09:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 195.836 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 192.652 ms
Loss rate: 2.63%
-- Flow 2:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 197.010 ms
Loss rate: 3.72%
-- Flow 3:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 199.355 ms
Loss rate: 6.30%

Run 4: Report of FillP-Sheep — Data Link

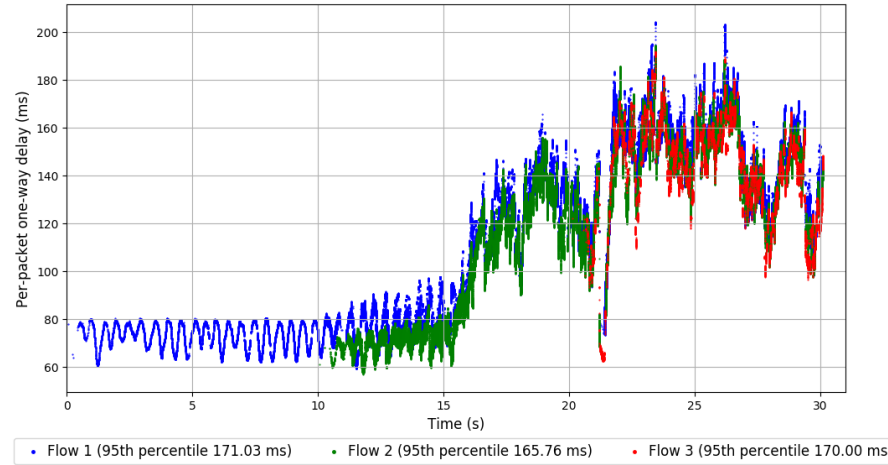
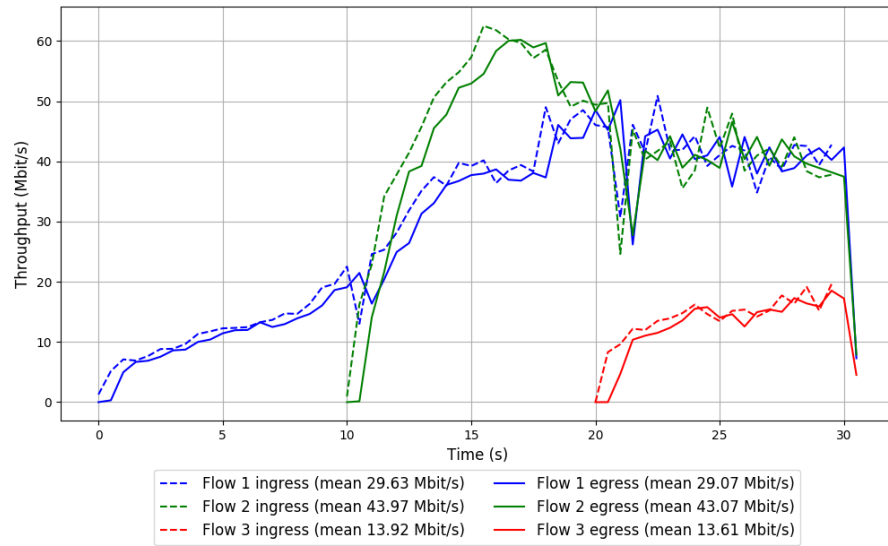


Run 5: Statistics of FillP-Sheep

Start at: 2018-11-30 09:10:37
End at: 2018-11-30 09:11:07
Local clock offset: 0.968 ms
Remote clock offset: 33.158 ms

Below is generated by plot.py at 2018-11-30 09:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 168.725 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 171.029 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 43.07 Mbit/s
95th percentile per-packet one-way delay: 165.758 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 170.001 ms
Loss rate: 1.96%

Run 5: Report of FillP-Sheep — Data Link

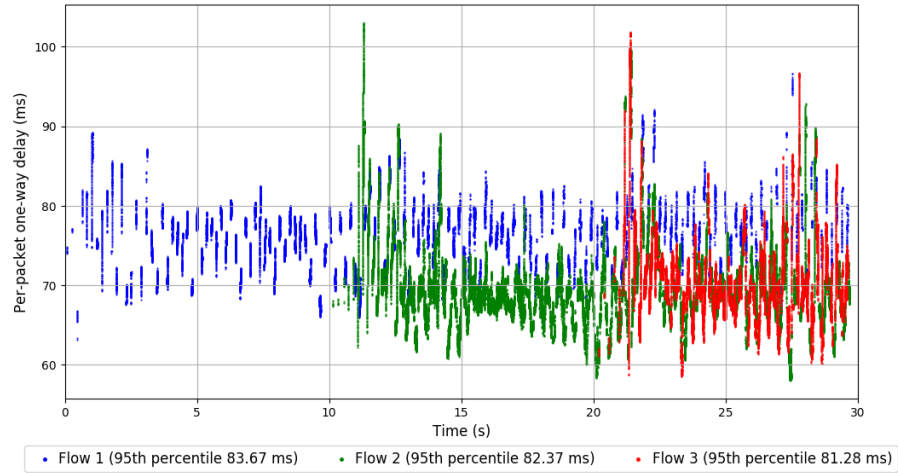
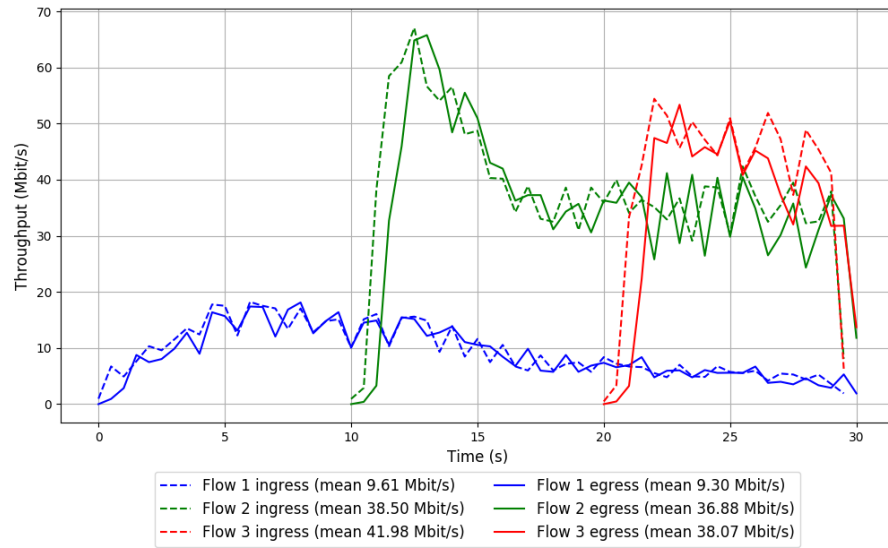


Run 1: Statistics of Indigo

Start at: 2018-11-30 07:31:39
End at: 2018-11-30 07:32:09
Local clock offset: 1.452 ms
Remote clock offset: 20.928 ms

Below is generated by plot.py at 2018-11-30 09:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 82.583 ms
Loss rate: 5.38%
-- Flow 1:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 83.671 ms
Loss rate: 3.18%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 82.367 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 81.281 ms
Loss rate: 9.21%

Run 1: Report of Indigo — Data Link

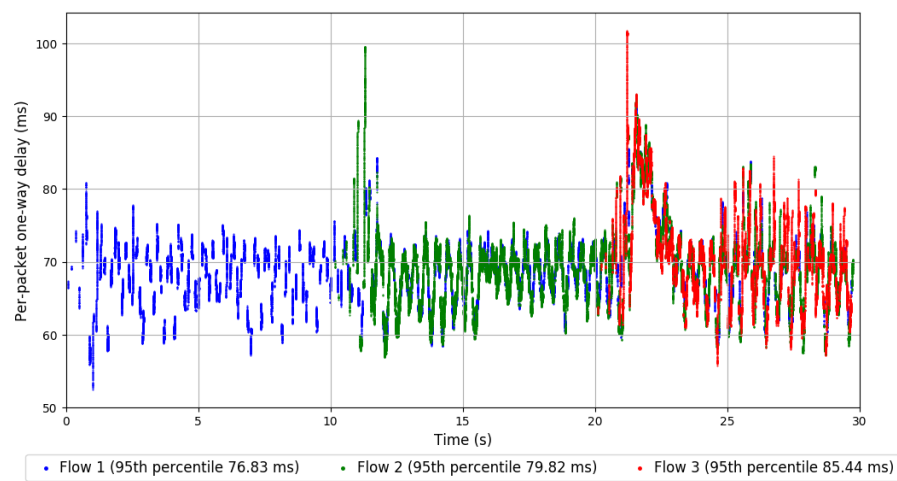
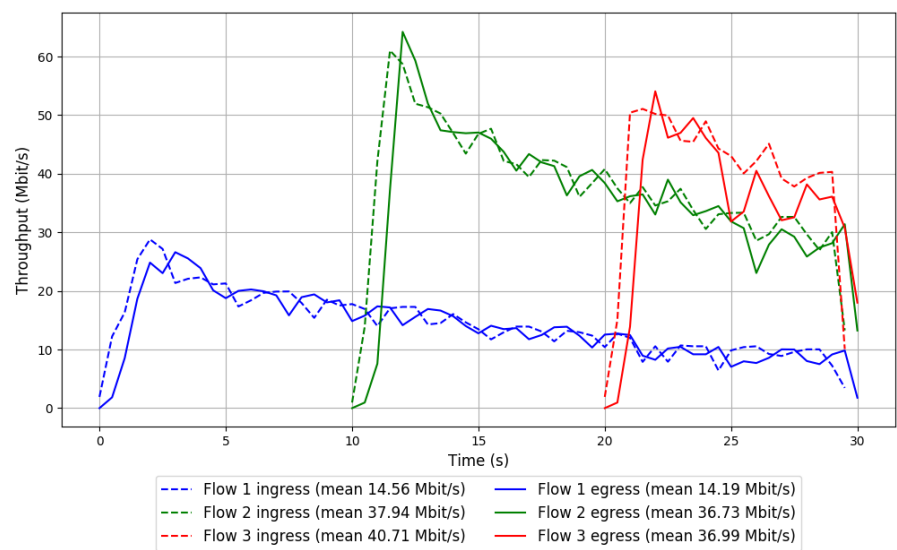


Run 2: Statistics of Indigo

Start at: 2018-11-30 07:59:44
End at: 2018-11-30 08:00:14
Local clock offset: 0.838 ms
Remote clock offset: 31.329 ms

Below is generated by plot.py at 2018-11-30 09:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 81.555 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 76.833 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 79.819 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 85.437 ms
Loss rate: 9.13%

Run 2: Report of Indigo — Data Link

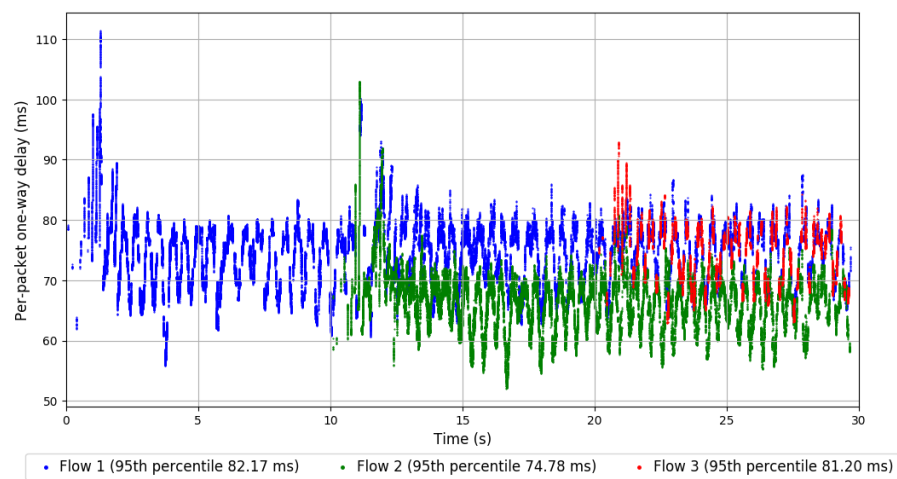
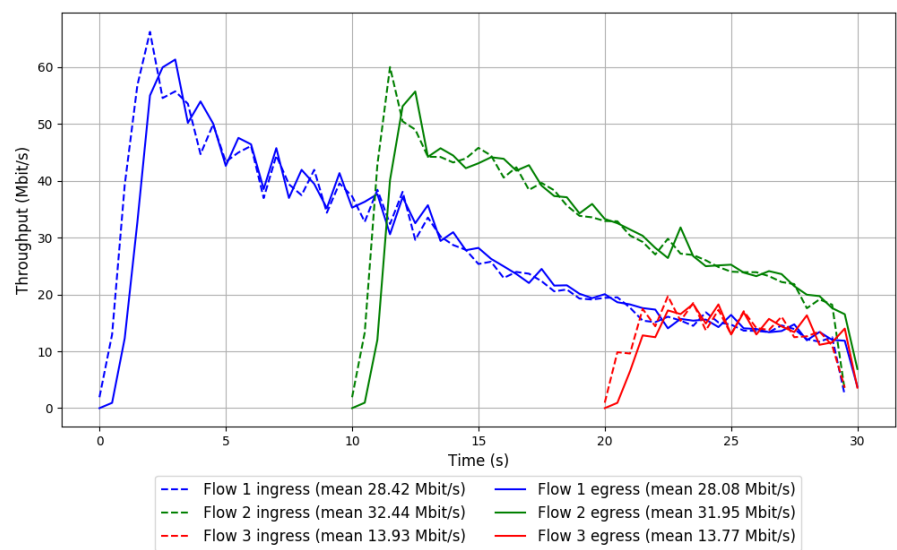


Run 3: Statistics of Indigo

Start at: 2018-11-30 08:24:23
End at: 2018-11-30 08:24:53
Local clock offset: 0.721 ms
Remote clock offset: 45.322 ms

Below is generated by plot.py at 2018-11-30 09:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 80.789 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 28.08 Mbit/s
95th percentile per-packet one-way delay: 82.175 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 74.782 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 81.203 ms
Loss rate: 1.22%

Run 3: Report of Indigo — Data Link

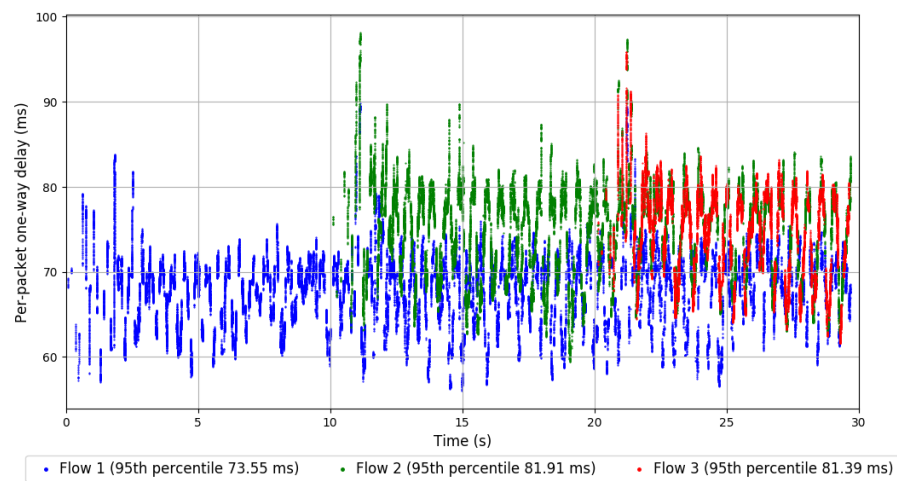
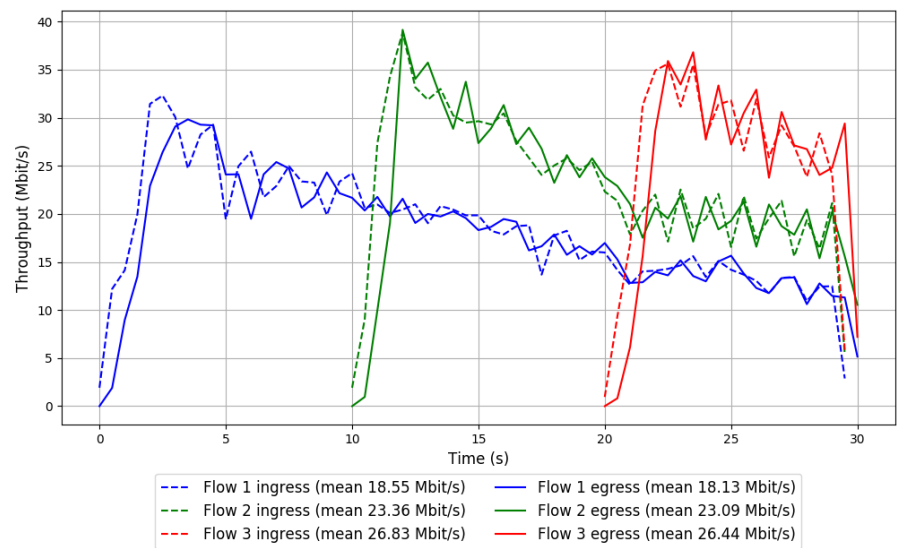


Run 4: Statistics of Indigo

Start at: 2018-11-30 08:49:44
End at: 2018-11-30 08:50:14
Local clock offset: 0.719 ms
Remote clock offset: 21.194 ms

Below is generated by plot.py at 2018-11-30 09:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 80.674 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 73.547 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 81.913 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 81.395 ms
Loss rate: 1.36%

Run 4: Report of Indigo — Data Link

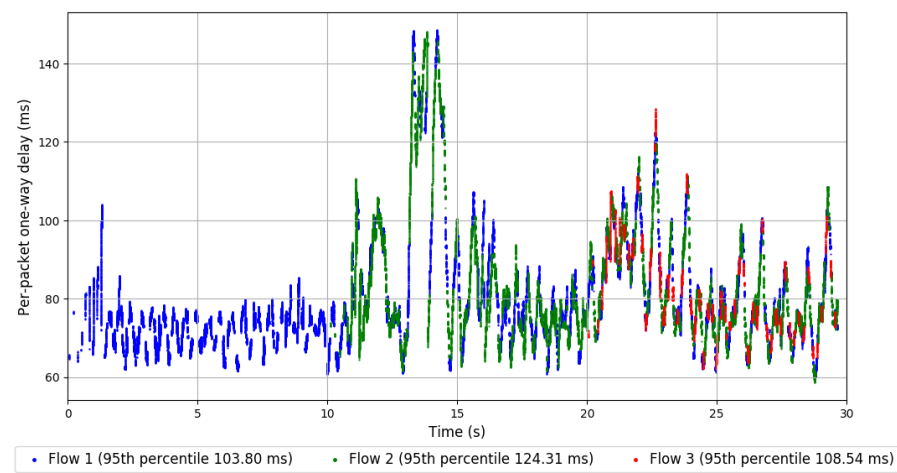
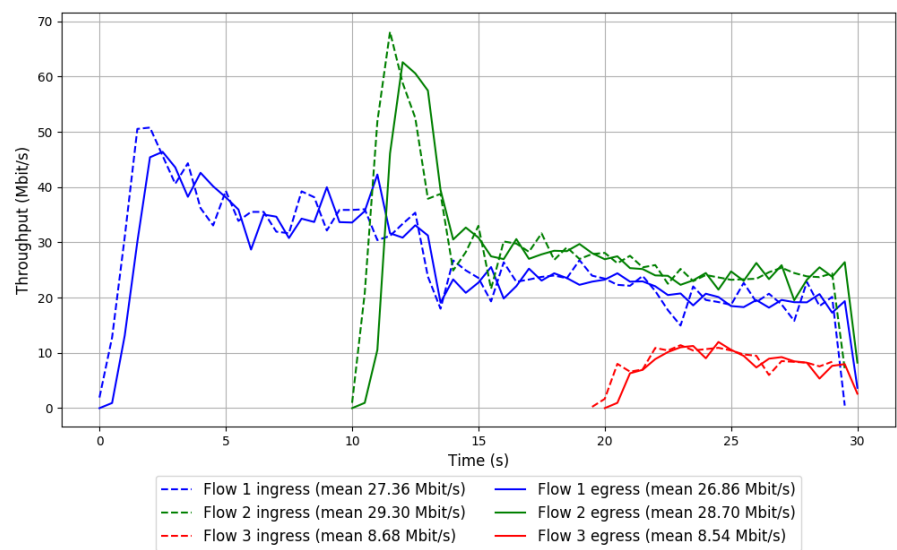


Run 5: Statistics of Indigo

Start at: 2018-11-30 09:14:37
End at: 2018-11-30 09:15:07
Local clock offset: 0.962 ms
Remote clock offset: 39.571 ms

Below is generated by plot.py at 2018-11-30 09:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 110.777 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 103.799 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 28.70 Mbit/s
95th percentile per-packet one-way delay: 124.308 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 108.537 ms
Loss rate: 1.61%

Run 5: Report of Indigo — Data Link

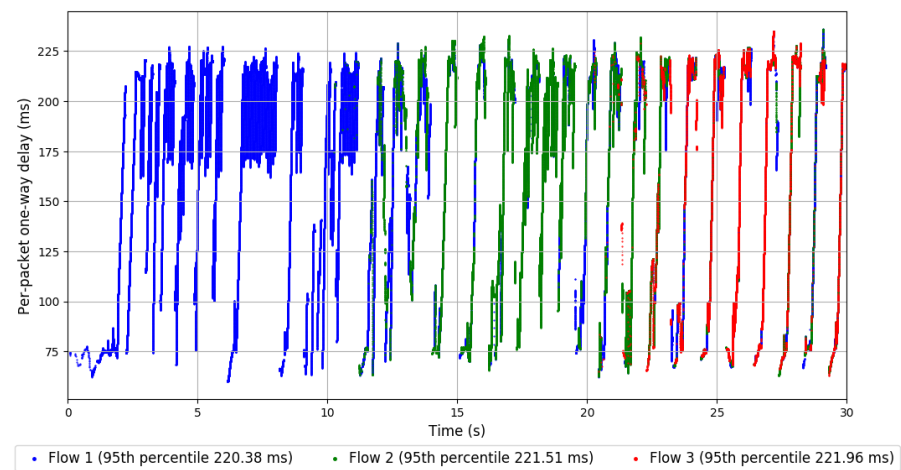
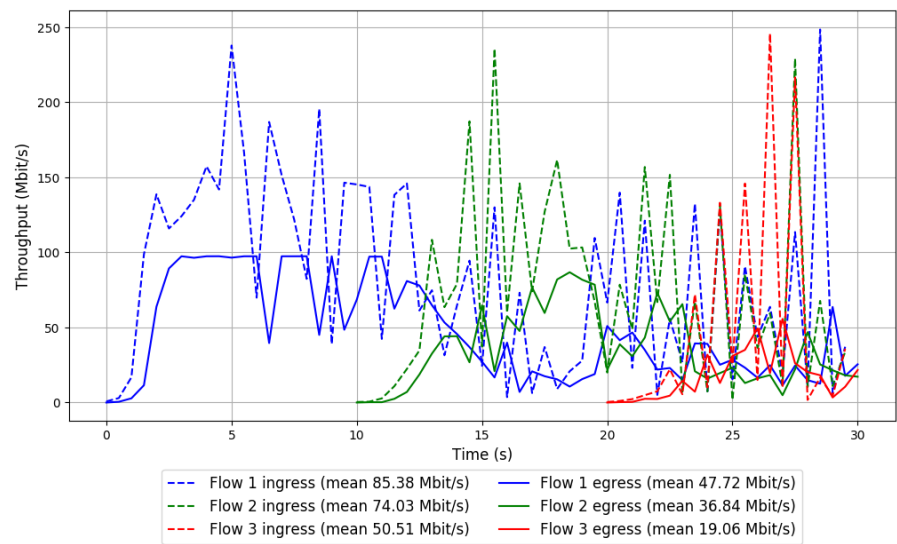


Run 1: Statistics of Indigo-96d2da3

Start at: 2018-11-30 07:19:35
End at: 2018-11-30 07:20:05
Local clock offset: 0.913 ms
Remote clock offset: 38.436 ms

Below is generated by plot.py at 2018-11-30 09:26:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 220.913 ms
Loss rate: 47.97%
-- Flow 1:
Average throughput: 47.72 Mbit/s
95th percentile per-packet one-way delay: 220.384 ms
Loss rate: 43.84%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 221.509 ms
Loss rate: 50.35%
-- Flow 3:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 221.963 ms
Loss rate: 62.32%

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



Run 2: Statistics of Indigo-96d2da3

Start at: 2018-11-30 07:48:04

End at: 2018-11-30 07:48:34

Local clock offset: 1.601 ms

Remote clock offset: 9.907 ms

Below is generated by plot.py at 2018-11-30 09:26:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.23 Mbit/s

95th percentile per-packet one-way delay: 216.077 ms

Loss rate: 32.94%

-- Flow 1:

Average throughput: 56.53 Mbit/s

95th percentile per-packet one-way delay: 216.081 ms

Loss rate: 29.06%

-- Flow 2:

Average throughput: 30.44 Mbit/s

95th percentile per-packet one-way delay: 216.486 ms

Loss rate: 36.87%

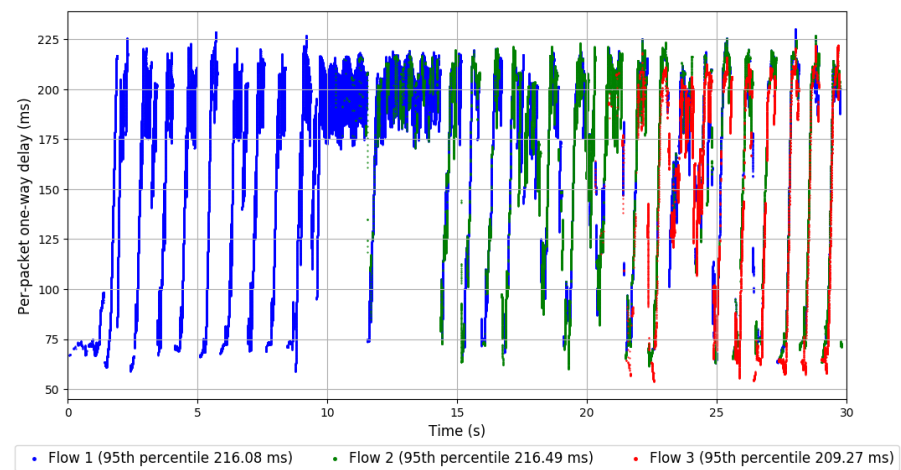
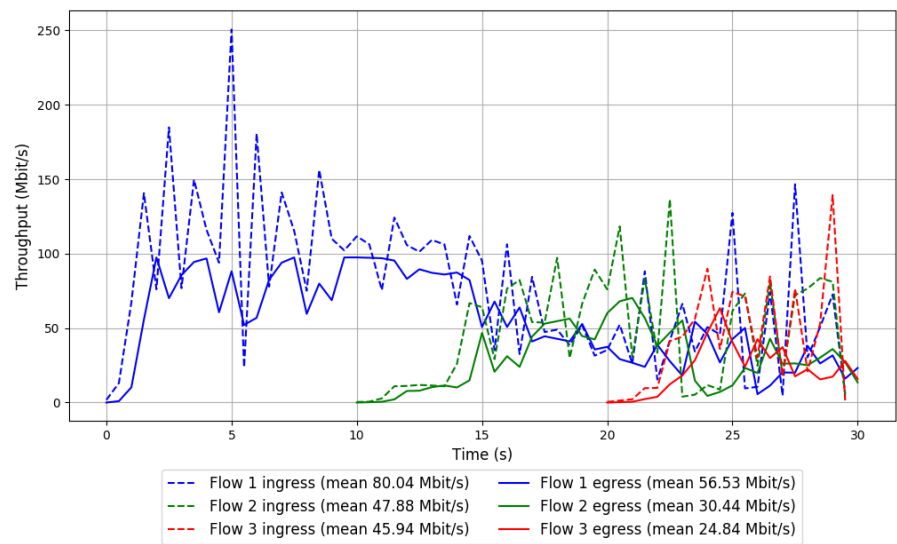
-- Flow 3:

Average throughput: 24.84 Mbit/s

95th percentile per-packet one-way delay: 209.272 ms

Loss rate: 45.70%

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

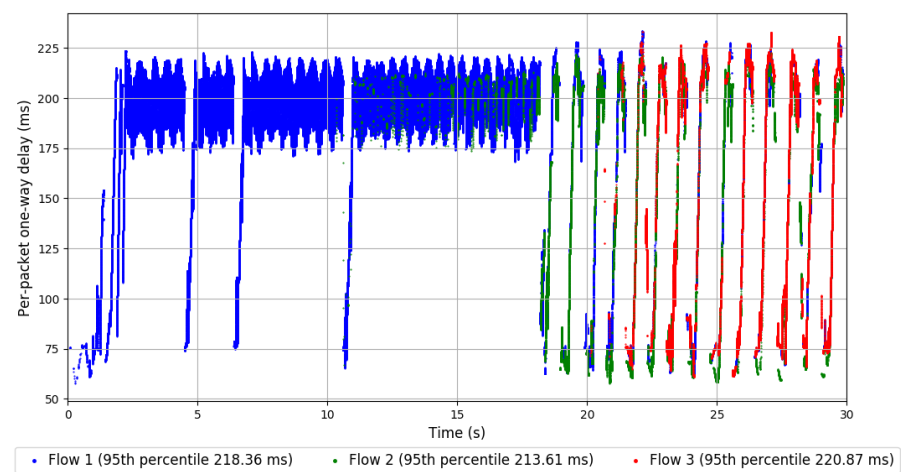
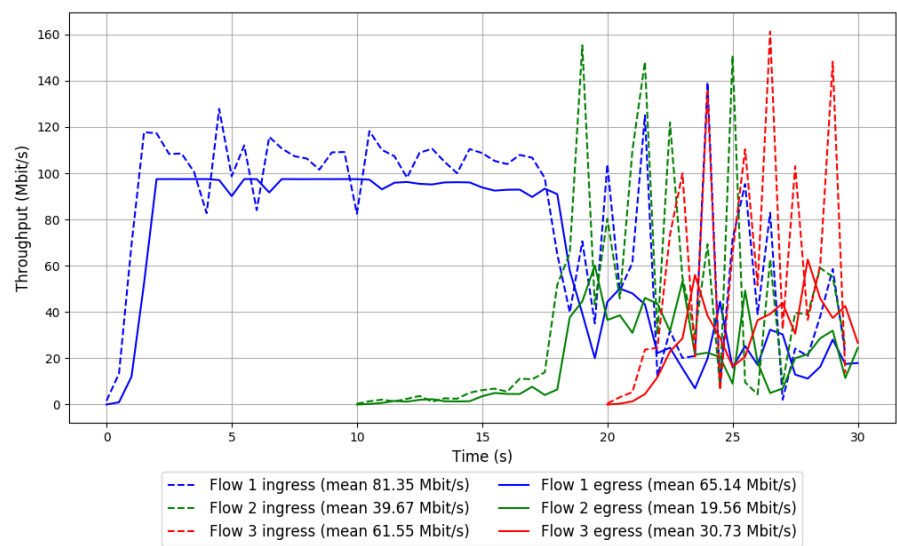


Run 3: Statistics of Indigo-96d2da3

Start at: 2018-11-30 08:12:41
End at: 2018-11-30 08:13:11
Local clock offset: 0.322 ms
Remote clock offset: 40.203 ms

Below is generated by plot.py at 2018-11-30 09:26:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 218.318 ms
Loss rate: 30.59%
-- Flow 1:
Average throughput: 65.14 Mbit/s
95th percentile per-packet one-way delay: 218.361 ms
Loss rate: 19.56%
-- Flow 2:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 213.613 ms
Loss rate: 50.67%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 220.868 ms
Loss rate: 49.39%

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



Run 4: Statistics of Indigo-96d2da3

Start at: 2018-11-30 08:37:59

End at: 2018-11-30 08:38:29

Local clock offset: 0.879 ms

Remote clock offset: 28.21 ms

Below is generated by plot.py at 2018-11-30 09:26:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.52 Mbit/s

95th percentile per-packet one-way delay: 219.497 ms

Loss rate: 35.51%

-- Flow 1:

Average throughput: 63.02 Mbit/s

95th percentile per-packet one-way delay: 219.600 ms

Loss rate: 26.81%

-- Flow 2:

Average throughput: 25.95 Mbit/s

95th percentile per-packet one-way delay: 212.456 ms

Loss rate: 46.74%

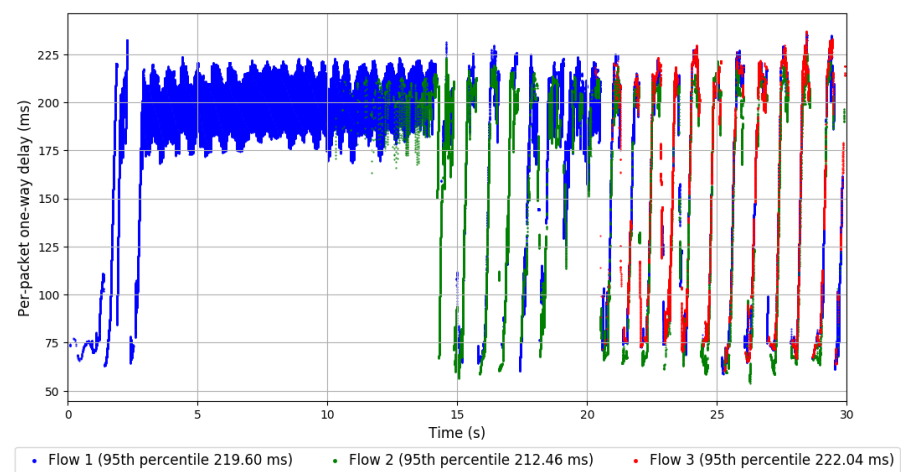
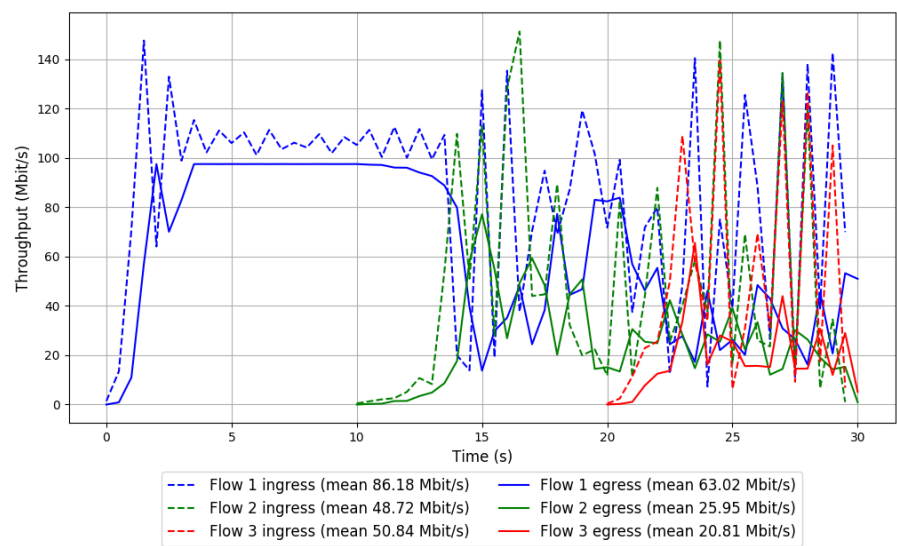
-- Flow 3:

Average throughput: 20.81 Mbit/s

95th percentile per-packet one-way delay: 222.045 ms

Loss rate: 59.09%

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

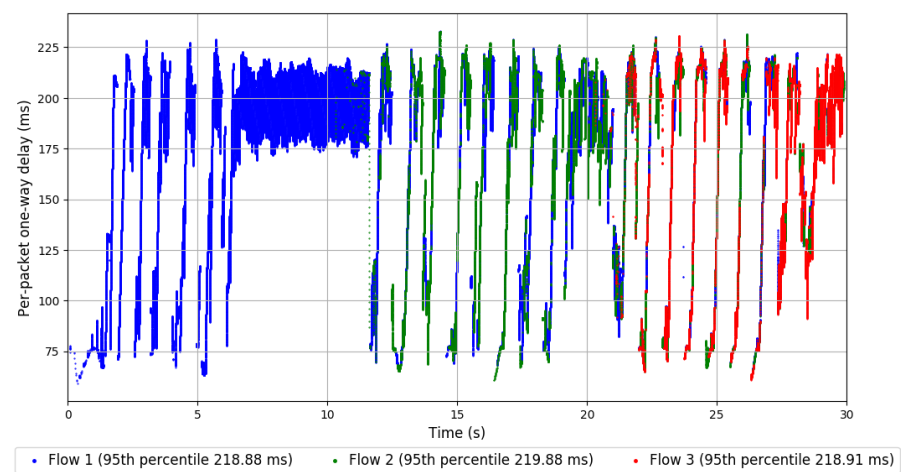
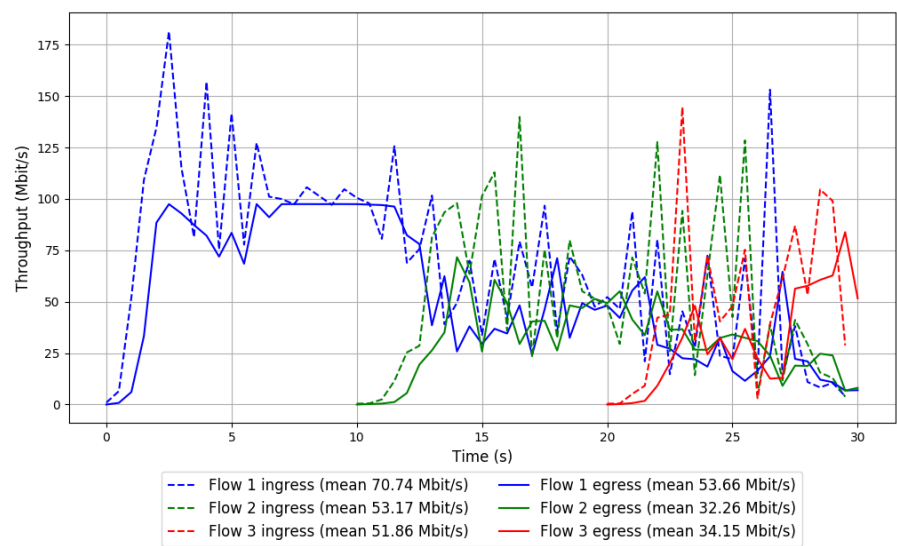


Run 5: Statistics of Indigo-96d2da3

Start at: 2018-11-30 09:02:37
End at: 2018-11-30 09:03:07
Local clock offset: 0.944 ms
Remote clock offset: 20.599 ms

Below is generated by plot.py at 2018-11-30 09:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 219.304 ms
Loss rate: 29.82%
-- Flow 1:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: 218.880 ms
Loss rate: 24.06%
-- Flow 2:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 219.877 ms
Loss rate: 39.31%
-- Flow 3:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 218.907 ms
Loss rate: 34.34%

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

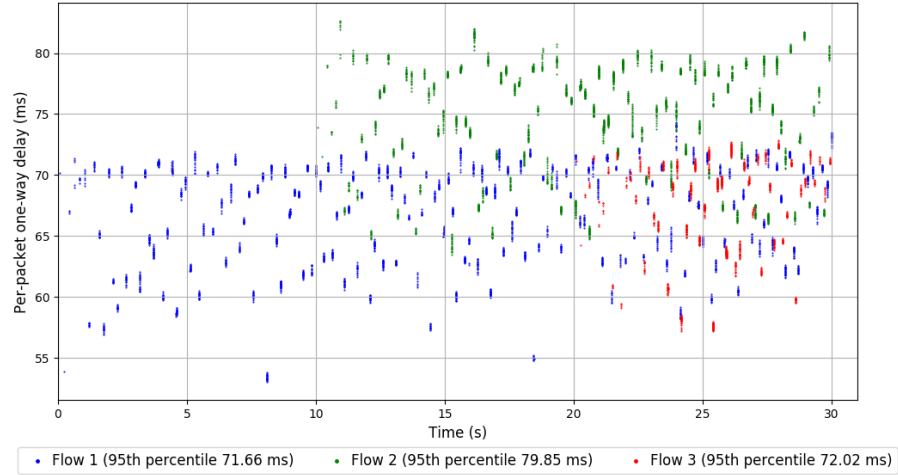
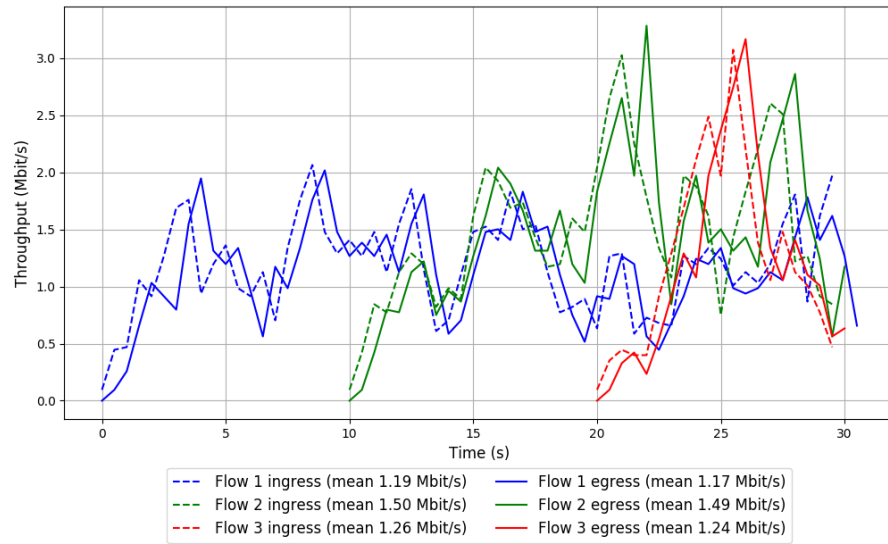


```
Run 1: Statistics of LEDBAT

Start at: 2018-11-30 07:22:17
End at: 2018-11-30 07:22:47
Local clock offset: 0.908 ms
Remote clock offset: 34.9 ms

# Below is generated by plot.py at 2018-11-30 09:26:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 79.155 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 71.661 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 79.849 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 72.019 ms
Loss rate: 1.23%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-11-30 07:50:42

End at: 2018-11-30 07:51:12

Local clock offset: 1.178 ms

Remote clock offset: 14.43 ms

Below is generated by plot.py at 2018-11-30 09:26:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.25 Mbit/s

95th percentile per-packet one-way delay: 79.446 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 71.244 ms

Loss rate: 1.81%

-- Flow 2:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 79.837 ms

Loss rate: 0.82%

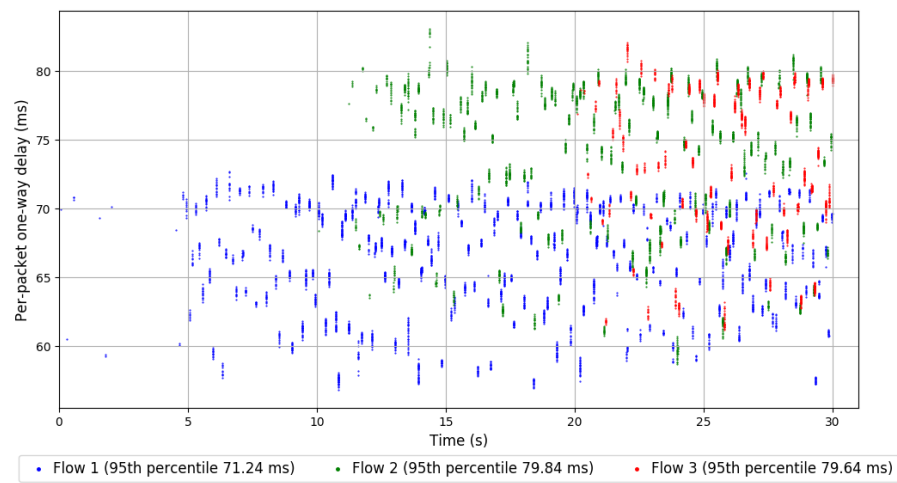
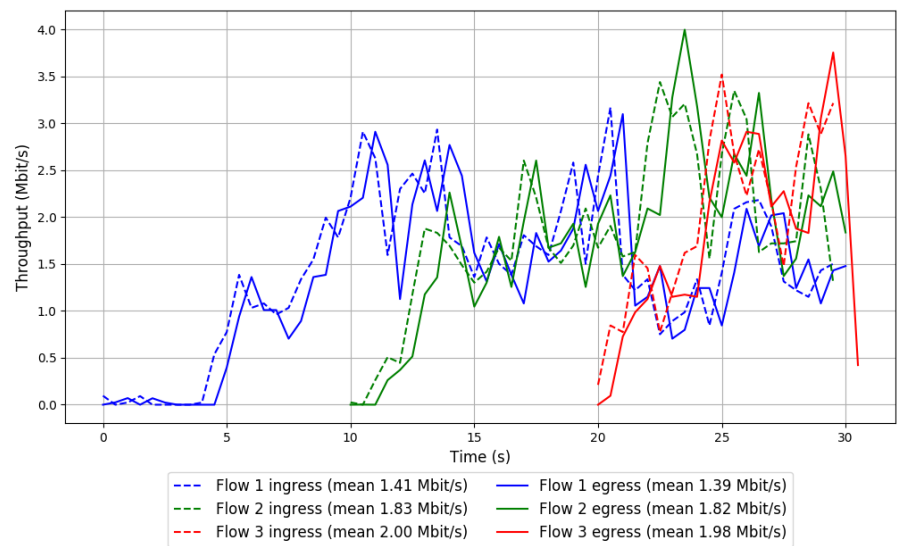
-- Flow 3:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 79.644 ms

Loss rate: 1.01%

Run 2: Report of LEDBAT — Data Link

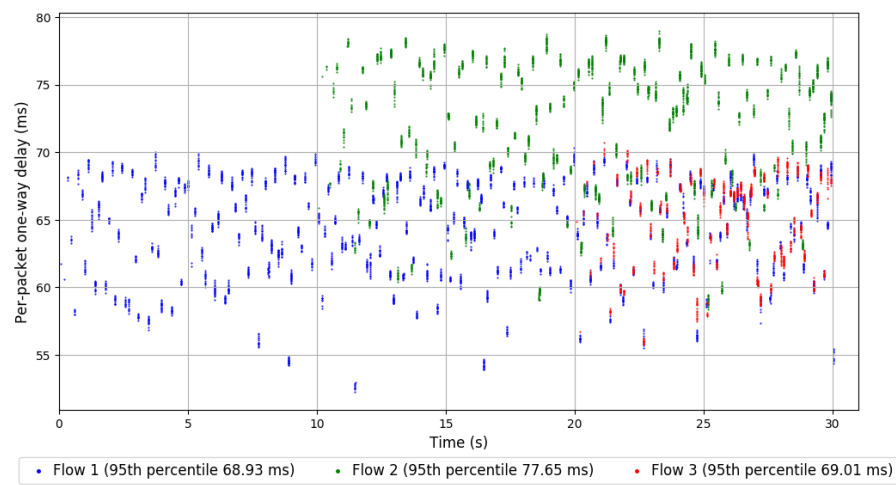
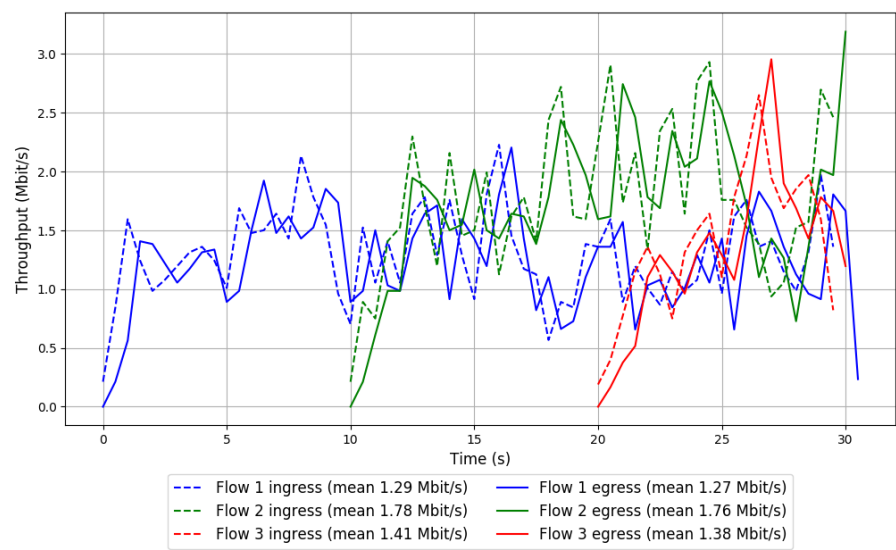


Run 3: Statistics of LEDBAT

Start at: 2018-11-30 08:15:21
End at: 2018-11-30 08:15:51
Local clock offset: 0.667 ms
Remote clock offset: 42.926 ms

Below is generated by plot.py at 2018-11-30 09:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 76.936 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 68.932 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 77.653 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 69.008 ms
Loss rate: 1.86%

Run 3: Report of LEDBAT — Data Link

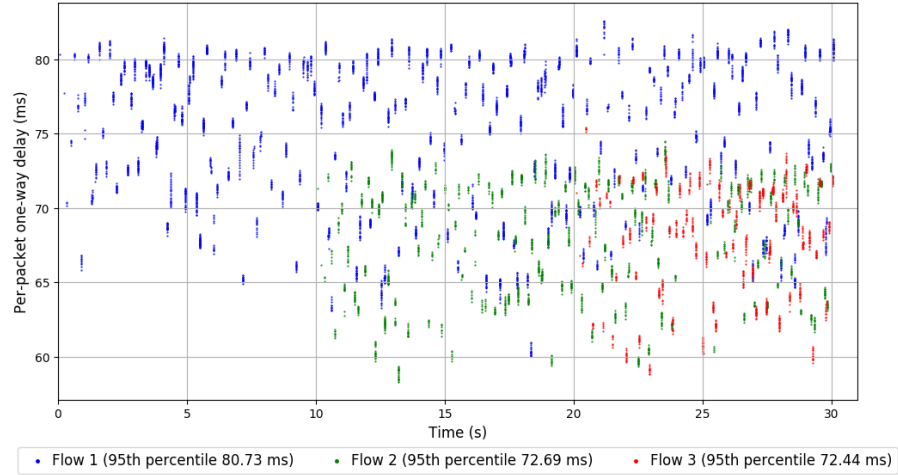
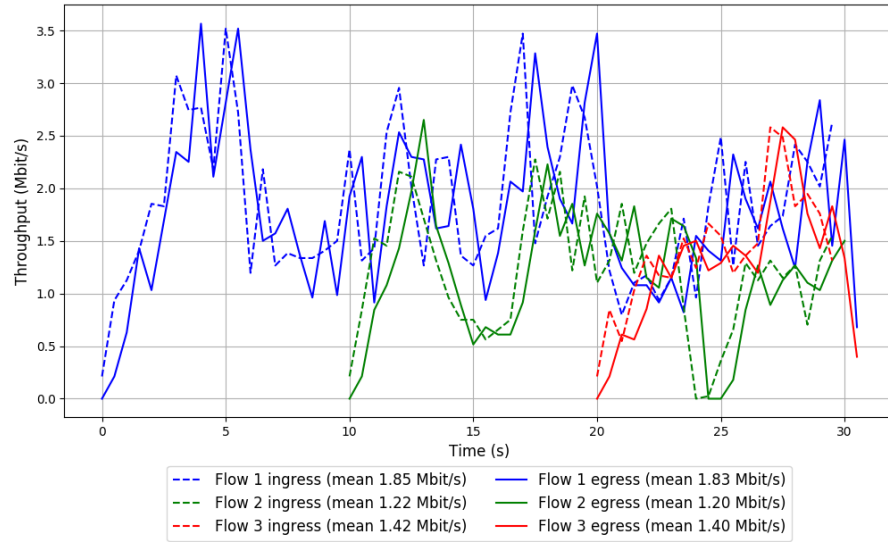


Run 4: Statistics of LEDBAT

Start at: 2018-11-30 08:40:39
End at: 2018-11-30 08:41:09
Local clock offset: 0.874 ms
Remote clock offset: 28.952 ms

Below is generated by plot.py at 2018-11-30 09:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 80.516 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 80.732 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 72.688 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 72.438 ms
Loss rate: 1.25%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-11-30 09:05:20

End at: 2018-11-30 09:05:50

Local clock offset: 0.816 ms

Remote clock offset: 25.44 ms

Below is generated by plot.py at 2018-11-30 09:26:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 69.424 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 69.655 ms

Loss rate: 1.60%

-- Flow 2:

Average throughput: 0.83 Mbit/s

95th percentile per-packet one-way delay: 68.957 ms

Loss rate: 2.02%

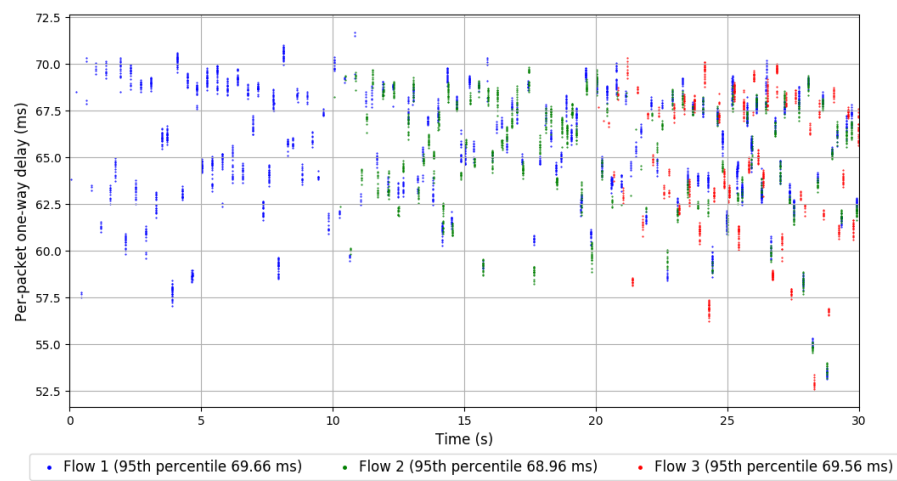
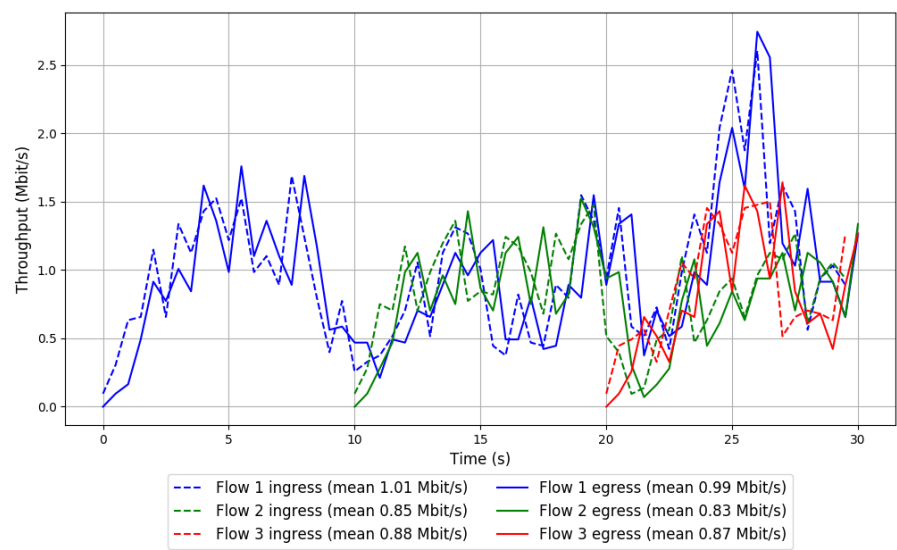
-- Flow 3:

Average throughput: 0.87 Mbit/s

95th percentile per-packet one-way delay: 69.557 ms

Loss rate: 1.48%

Run 5: Report of LEDBAT — Data Link

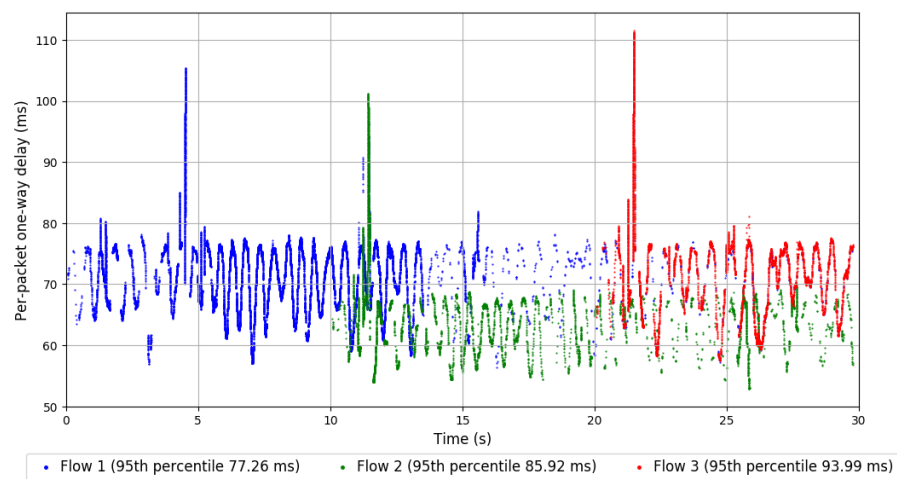
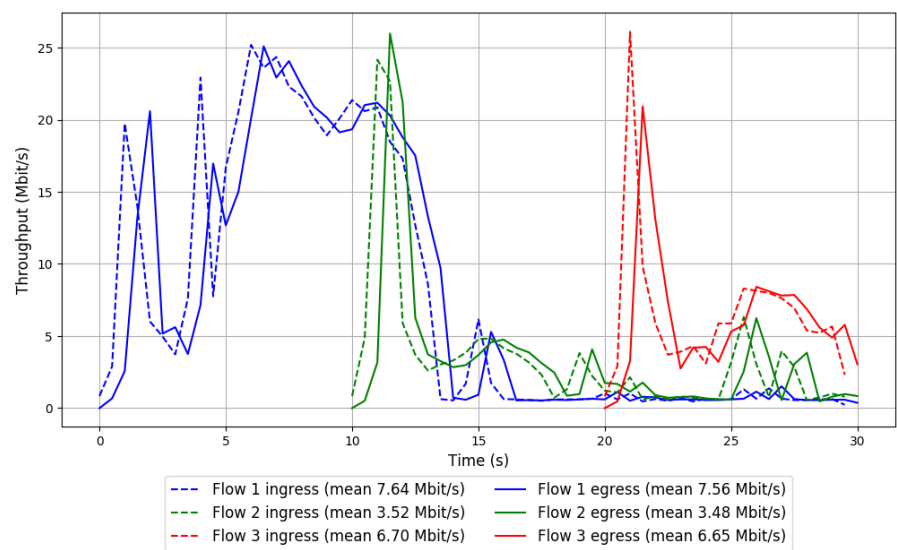


Run 1: Statistics of Indigo-Muses

Start at: 2018-11-30 07:15:40
End at: 2018-11-30 07:16:10
Local clock offset: 0.009 ms
Remote clock offset: 40.004 ms

Below is generated by plot.py at 2018-11-30 09:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 79.942 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 77.257 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 85.915 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 93.993 ms
Loss rate: 0.70%

Run 1: Report of Indigo-Muses — Data Link

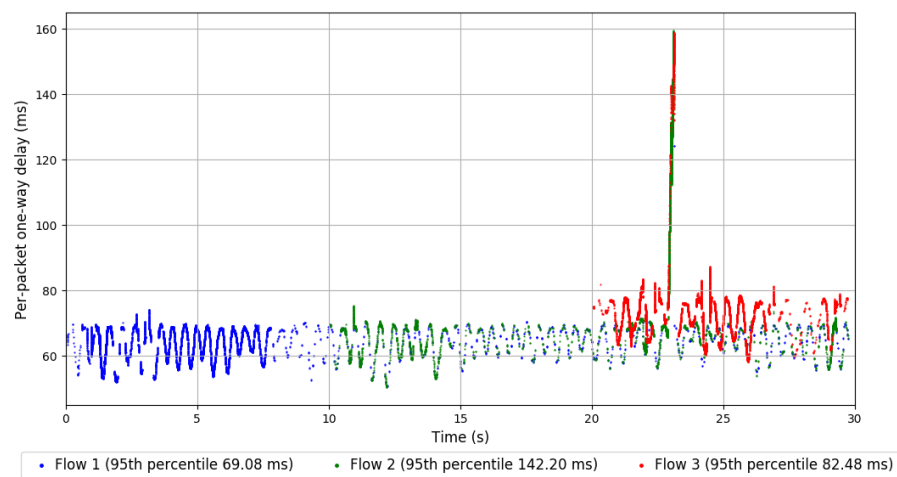
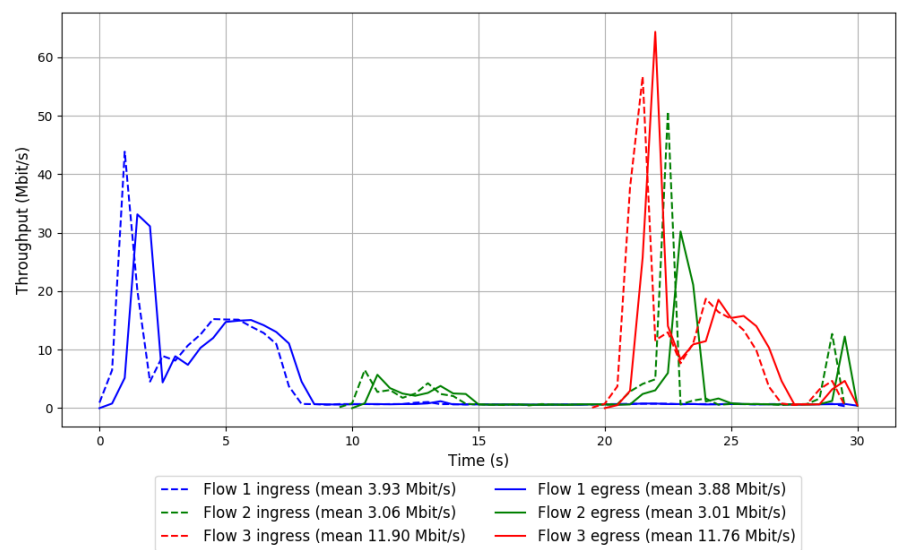


Run 2: Statistics of Indigo-Muses

Start at: 2018-11-30 07:44:13
End at: 2018-11-30 07:44:43
Local clock offset: 2.087 ms
Remote clock offset: 15.225 ms

Below is generated by plot.py at 2018-11-30 09:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 114.836 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 69.078 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 142.196 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 82.476 ms
Loss rate: 1.15%

Run 2: Report of Indigo-Muses — Data Link

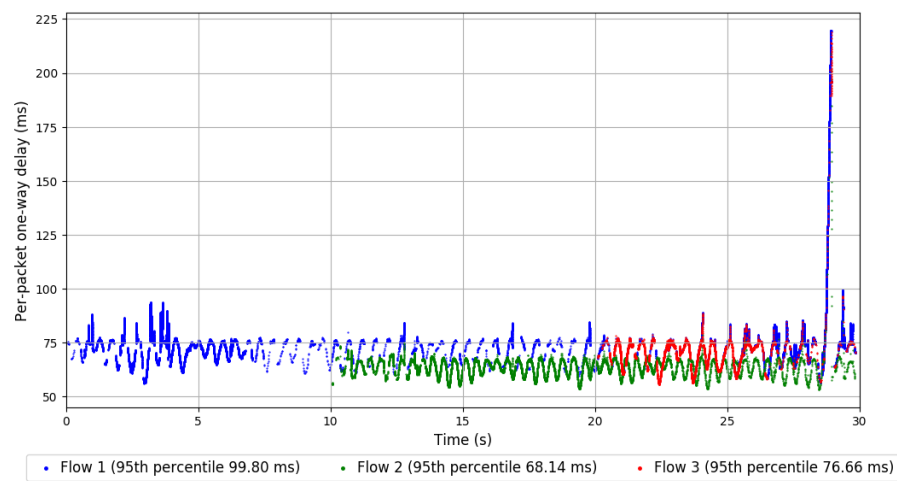
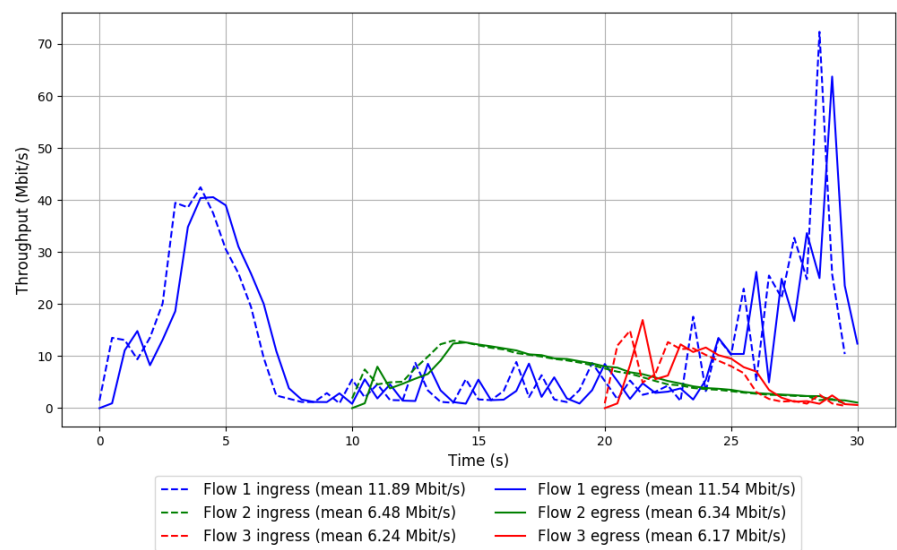


Run 3: Statistics of Indigo-Muses

Start at: 2018-11-30 08:08:55
End at: 2018-11-30 08:09:25
Local clock offset: 0.531 ms
Remote clock offset: 38.829 ms

Below is generated by plot.py at 2018-11-30 09:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 88.336 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 99.797 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 68.136 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 76.659 ms
Loss rate: 1.02%

Run 3: Report of Indigo-Muses — Data Link

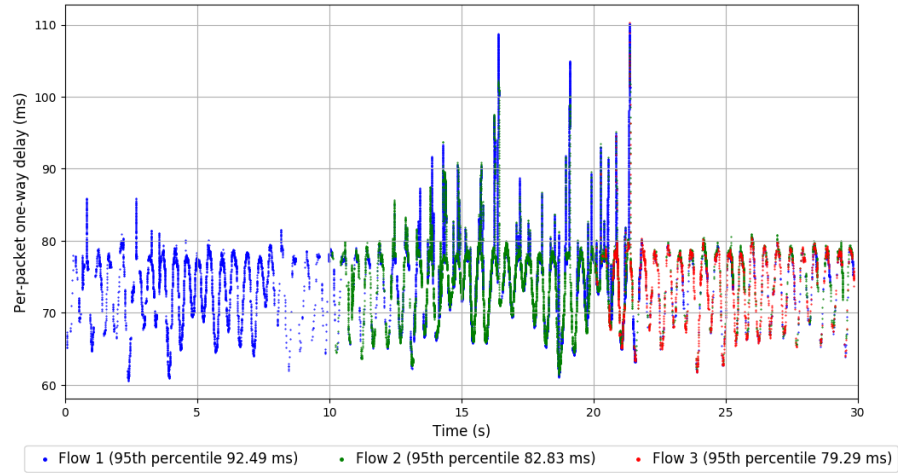
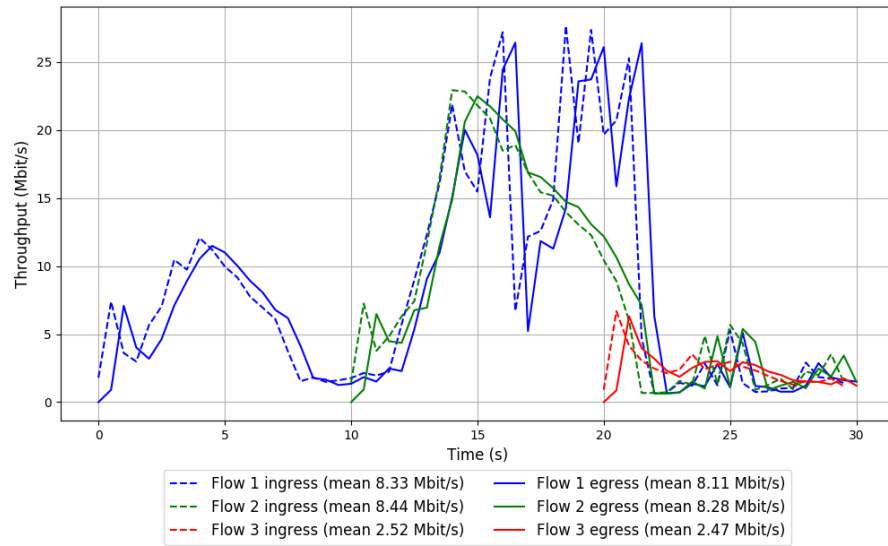


Run 4: Statistics of Indigo-Muses

Start at: 2018-11-30 08:34:13
End at: 2018-11-30 08:34:43
Local clock offset: 0.935 ms
Remote clock offset: 33.087 ms

Below is generated by plot.py at 2018-11-30 09:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.39 Mbit/s
95th percentile per-packet one-way delay: 88.859 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 92.492 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 82.828 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 79.293 ms
Loss rate: 2.00%

Run 4: Report of Indigo-Muses — Data Link

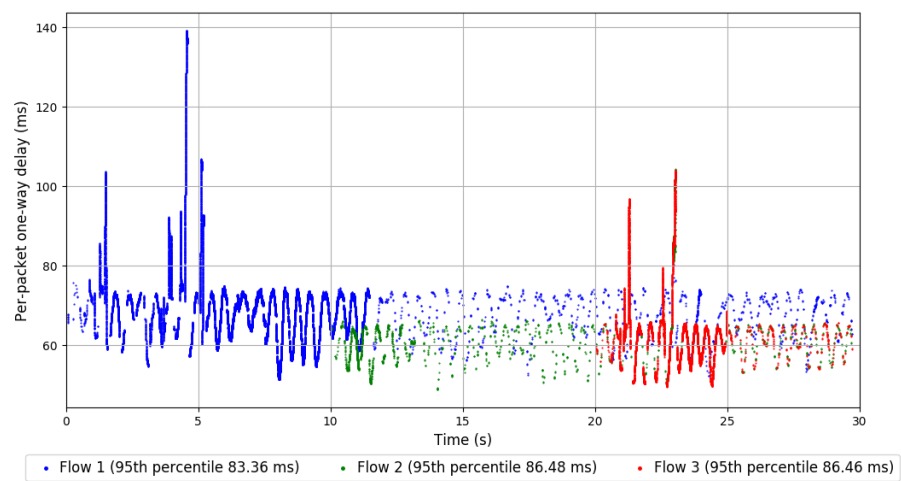
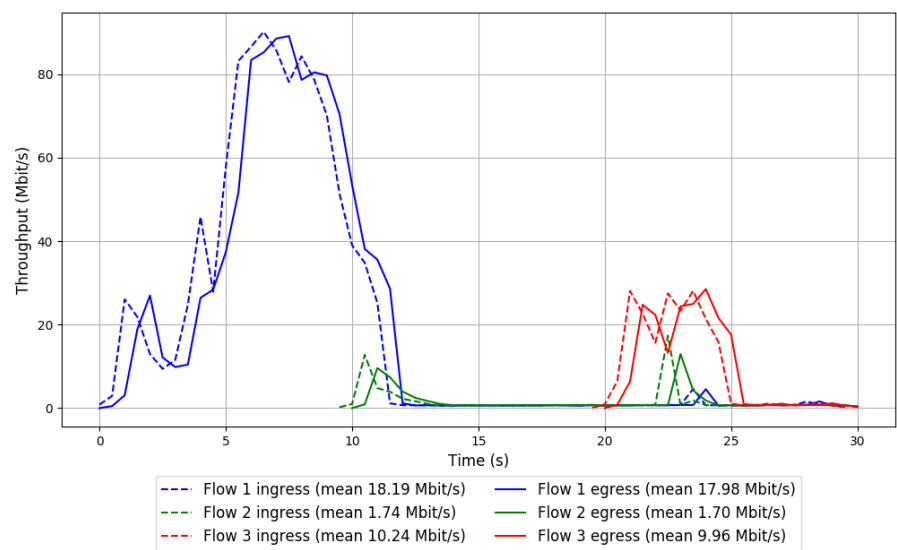


Run 5: Statistics of Indigo-Muses

Start at: 2018-11-30 08:58:47
End at: 2018-11-30 08:59:17
Local clock offset: 0.953 ms
Remote clock offset: 13.306 ms

Below is generated by plot.py at 2018-11-30 09:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 84.930 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 17.98 Mbit/s
95th percentile per-packet one-way delay: 83.355 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 86.480 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 86.458 ms
Loss rate: 2.73%

Run 5: Report of Indigo-Muses — Data Link

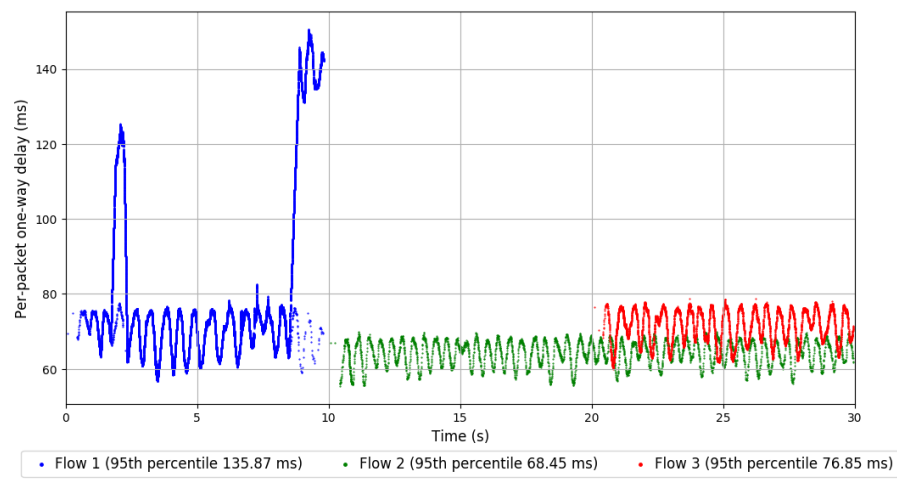
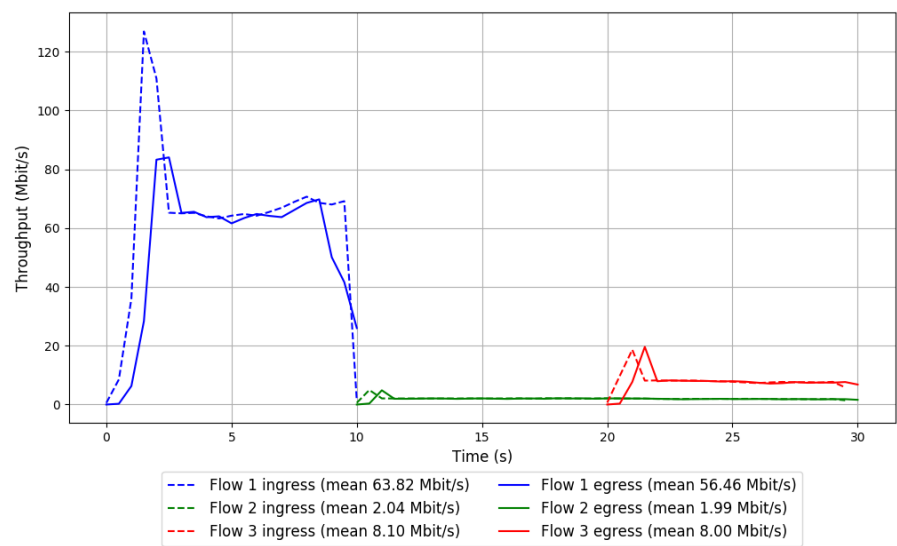


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-11-30 07:30:18
End at: 2018-11-30 07:30:48
Local clock offset: 1.751 ms
Remote clock offset: 21.794 ms

# Below is generated by plot.py at 2018-11-30 09:26:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 134.913 ms
Loss rate: 11.93%
-- Flow 1:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 135.866 ms
Loss rate: 13.87%
-- Flow 2:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 68.455 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 76.853 ms
Loss rate: 1.29%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-11-30 07:58:28

End at: 2018-11-30 07:58:58

Local clock offset: 0.809 ms

Remote clock offset: 25.95 ms

Below is generated by plot.py at 2018-11-30 09:26:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.99 Mbit/s

95th percentile per-packet one-way delay: 122.934 ms

Loss rate: 15.01%

-- Flow 1:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 76.889 ms

Loss rate: 7.27%

-- Flow 2:

Average throughput: 49.52 Mbit/s

95th percentile per-packet one-way delay: 146.222 ms

Loss rate: 23.35%

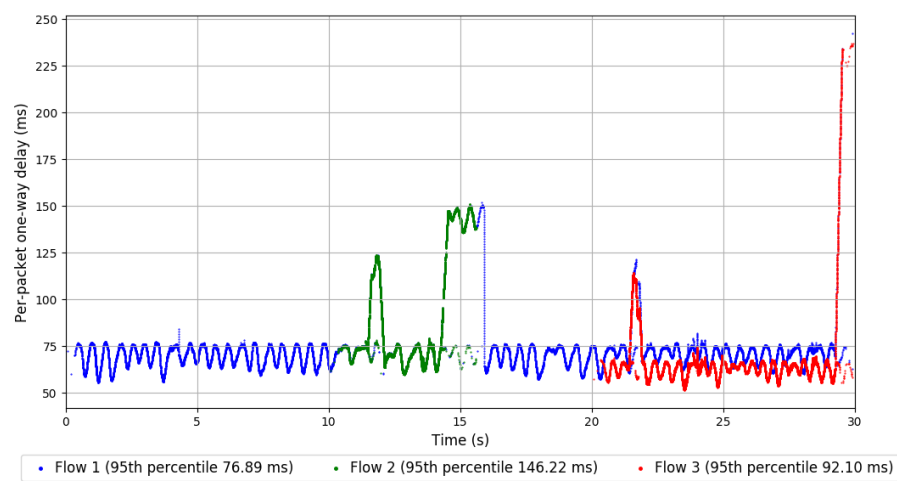
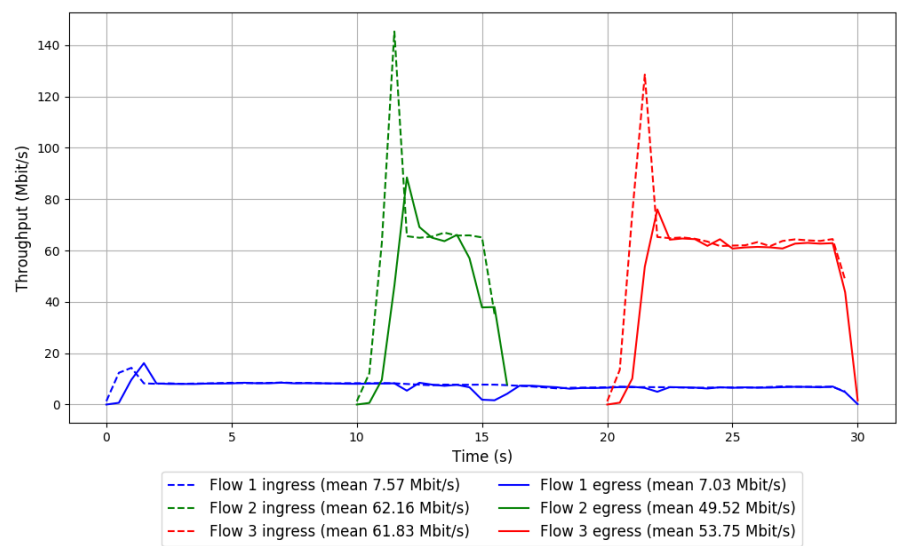
-- Flow 3:

Average throughput: 53.75 Mbit/s

95th percentile per-packet one-way delay: 92.100 ms

Loss rate: 12.98%

Run 2: Report of PCC-Allegro — Data Link

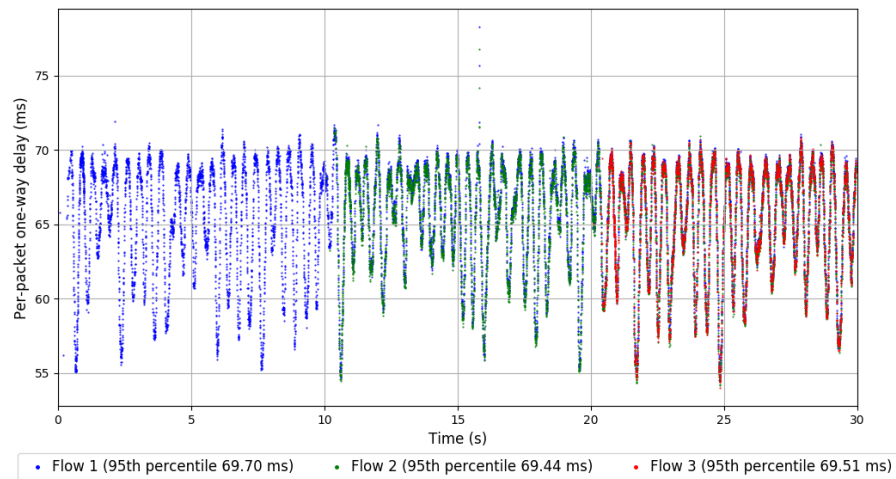
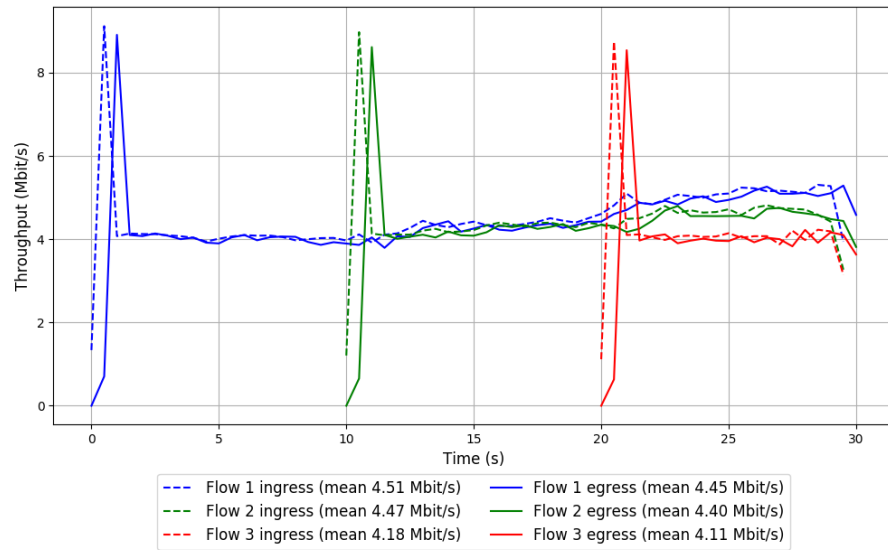


Run 3: Statistics of PCC-Allegro

Start at: 2018-11-30 08:23:09
End at: 2018-11-30 08:23:39
Local clock offset: 0.79 ms
Remote clock offset: 46.429 ms

Below is generated by plot.py at 2018-11-30 09:26:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.73 Mbit/s
95th percentile per-packet one-way delay: 69.604 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 69.705 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 69.440 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 69.510 ms
Loss rate: 1.59%

Run 3: Report of PCC-Allegro — Data Link

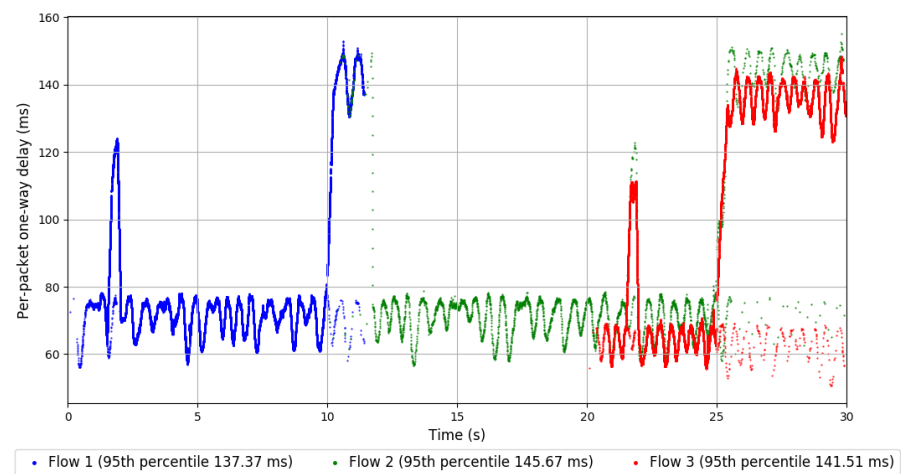
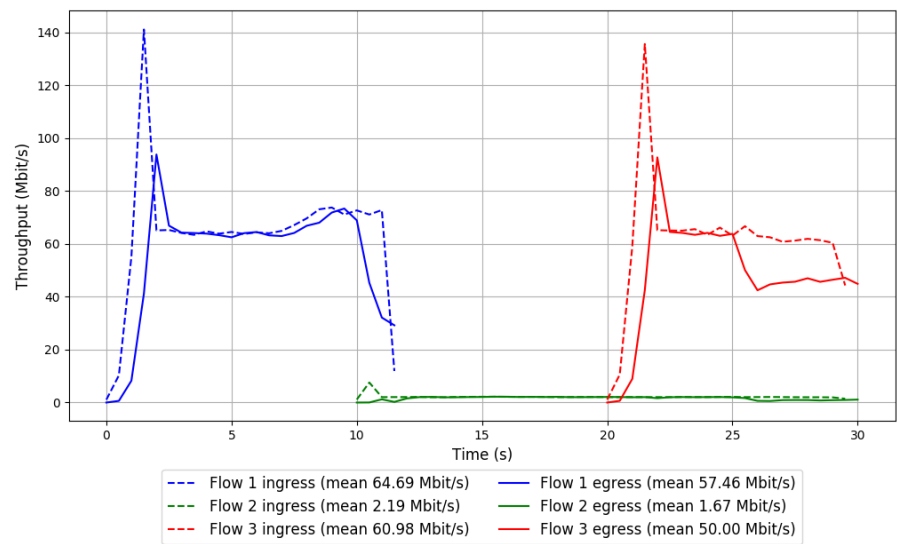


Run 4: Statistics of PCC-Allegro

Start at: 2018-11-30 08:48:26
End at: 2018-11-30 08:48:56
Local clock offset: 0.719 ms
Remote clock offset: 20.476 ms

```
# Below is generated by plot.py at 2018-11-30 09:26:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 141.232 ms
Loss rate: 15.47%
-- Flow 1:
Average throughput: 57.46 Mbit/s
95th percentile per-packet one-way delay: 137.366 ms
Loss rate: 13.04%
-- Flow 2:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 145.668 ms
Loss rate: 24.25%
-- Flow 3:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 141.514 ms
Loss rate: 17.86%
```

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-11-30 09:13:16

End at: 2018-11-30 09:13:46

Local clock offset: 0.978 ms

Remote clock offset: 33.53 ms

Below is generated by plot.py at 2018-11-30 09:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.76 Mbit/s

95th percentile per-packet one-way delay: 140.421 ms

Loss rate: 13.27%

-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 78.357 ms

Loss rate: 7.61%

-- Flow 2:

Average throughput: 54.62 Mbit/s

95th percentile per-packet one-way delay: 140.511 ms

Loss rate: 13.28%

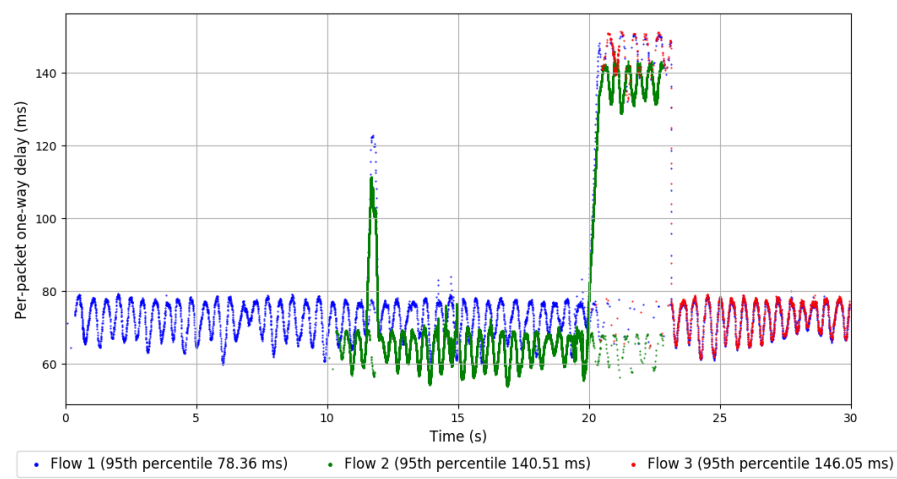
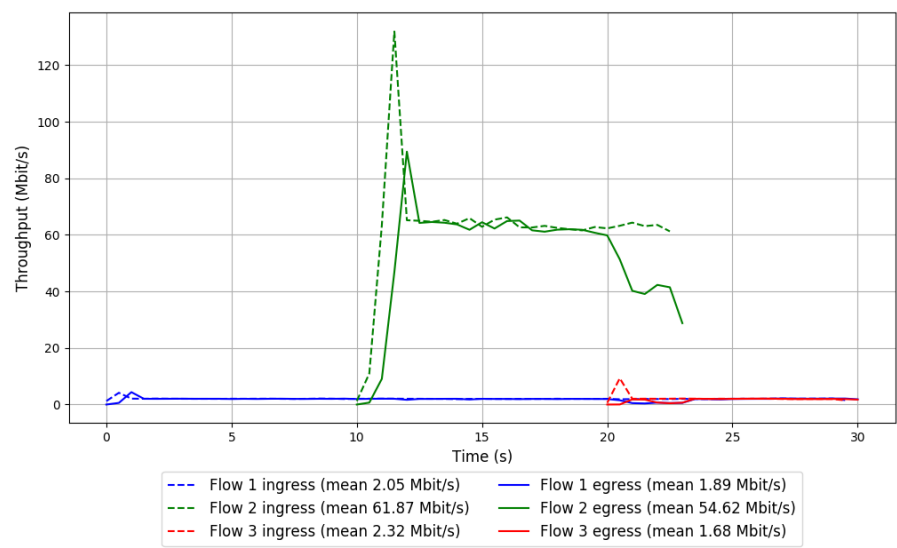
-- Flow 3:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 146.047 ms

Loss rate: 27.82%

Run 5: Report of PCC-Allegro — Data Link

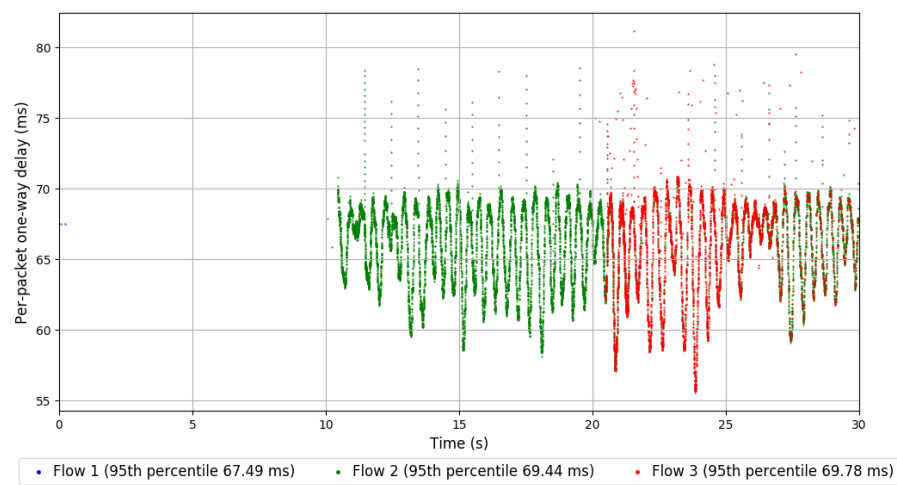
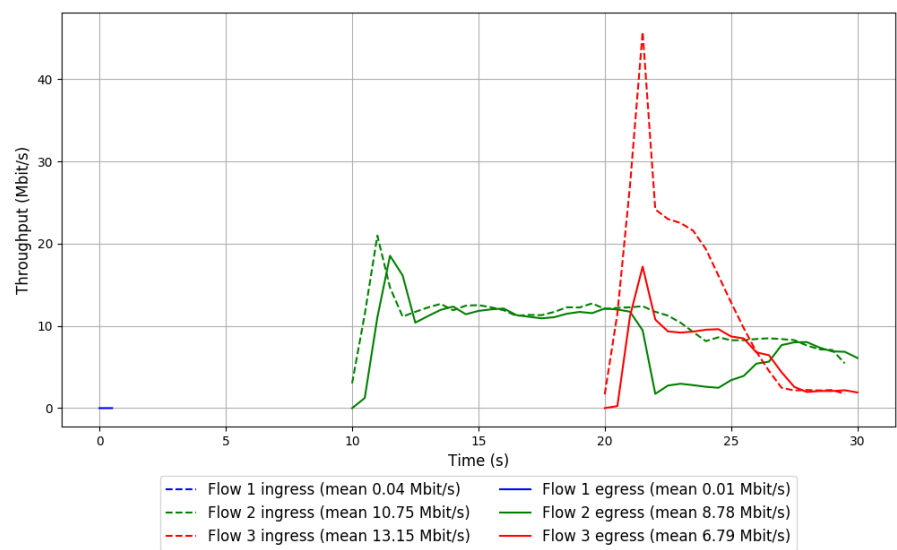


```
Run 1: Statistics of PCC-Expr

Start at: 2018-11-30 07:35:49
End at: 2018-11-30 07:36:19
Local clock offset: 1.686 ms
Remote clock offset: 18.808 ms

# Below is generated by plot.py at 2018-11-30 09:26:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 69.534 ms
Loss rate: 29.67%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 67.487 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 8.78 Mbit/s
95th percentile per-packet one-way delay: 69.443 ms
Loss rate: 18.28%
-- Flow 3:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 69.777 ms
Loss rate: 48.40%
```

Run 1: Report of PCC-Expr — Data Link

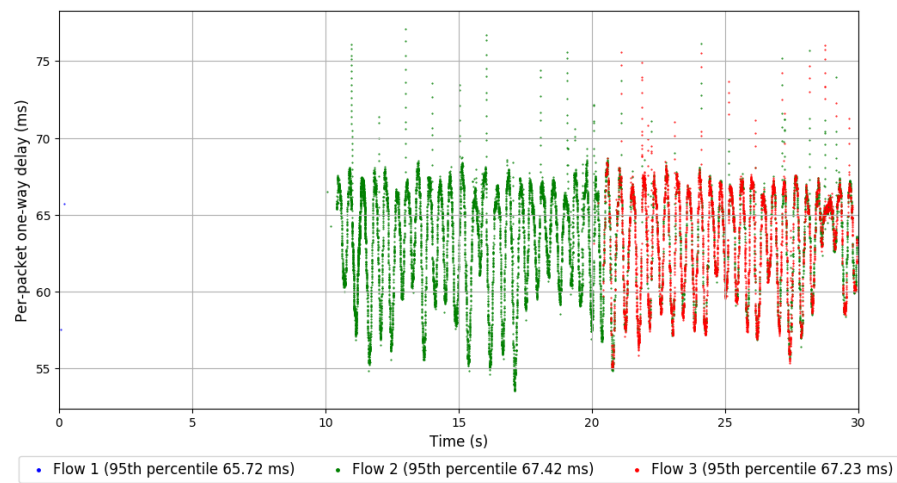
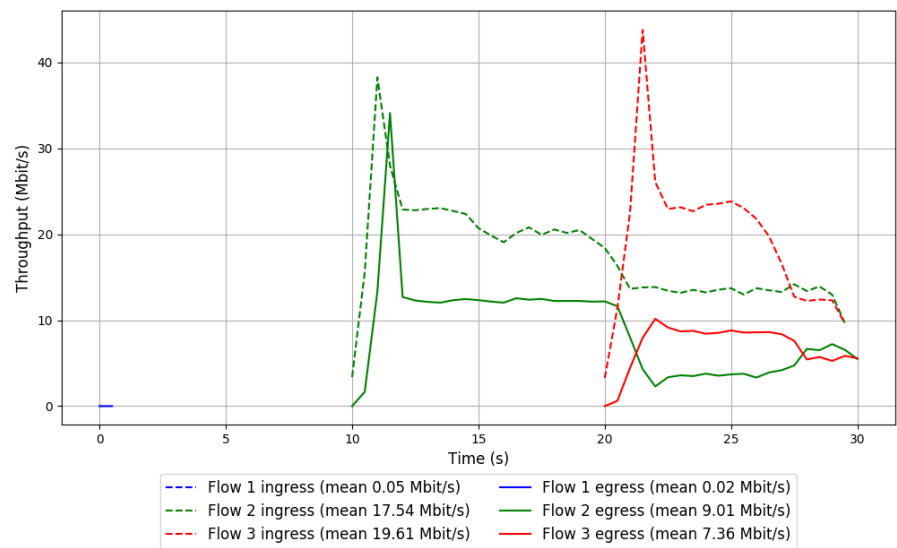


Run 2: Statistics of PCC-Expr

Start at: 2018-11-30 08:03:53
End at: 2018-11-30 08:04:23
Local clock offset: 0.613 ms
Remote clock offset: 33.311 ms

Below is generated by plot.py at 2018-11-30 09:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 67.373 ms
Loss rate: 53.60%
-- Flow 1:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 65.724 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 67.423 ms
Loss rate: 48.65%
-- Flow 3:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 67.227 ms
Loss rate: 62.52%

Run 2: Report of PCC-Expr — Data Link

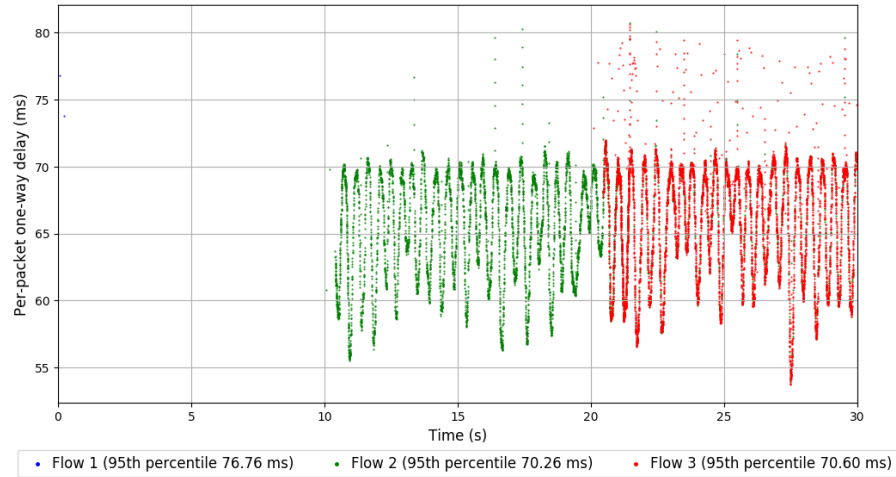
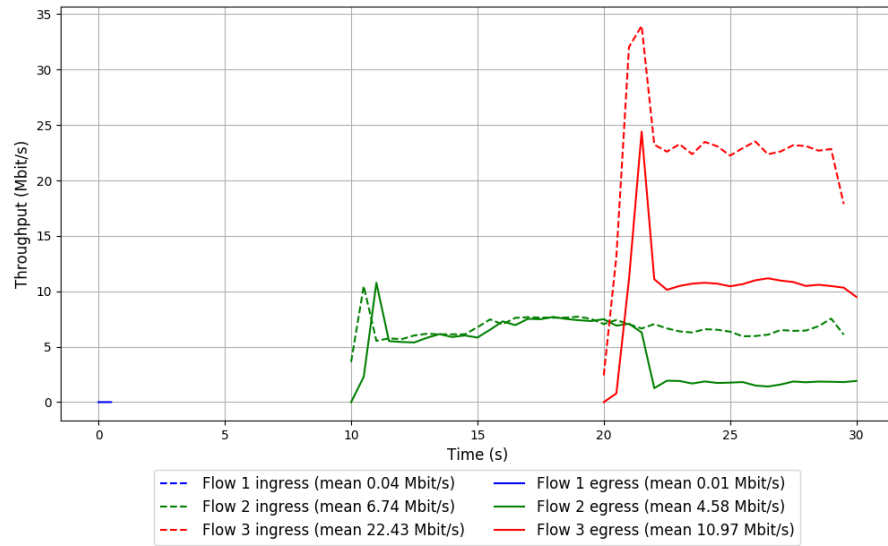


Run 3: Statistics of PCC-Expr

Start at: 2018-11-30 08:29:11
End at: 2018-11-30 08:29:41
Local clock offset: 0.771 ms
Remote clock offset: 41.193 ms

Below is generated by plot.py at 2018-11-30 09:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 70.469 ms
Loss rate: 43.94%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 76.764 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 70.264 ms
Loss rate: 32.11%
-- Flow 3:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 70.597 ms
Loss rate: 51.10%

Run 3: Report of PCC-Expr — Data Link

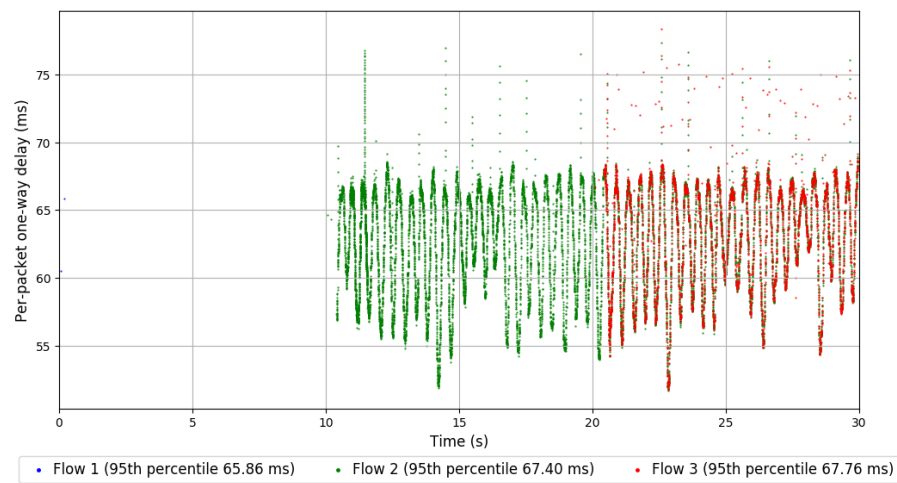
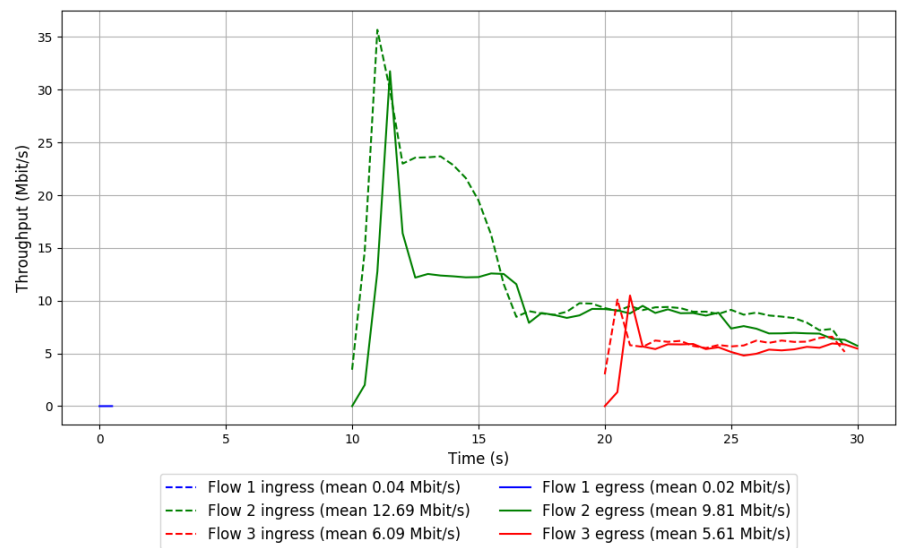


Run 4: Statistics of PCC-Expr

Start at: 2018-11-30 08:53:42
End at: 2018-11-30 08:54:12
Local clock offset: 0.708 ms
Remote clock offset: 16.618 ms

Below is generated by plot.py at 2018-11-30 09:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 67.471 ms
Loss rate: 19.87%
-- Flow 1:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 65.864 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 67.396 ms
Loss rate: 22.73%
-- Flow 3:
Average throughput: 5.61 Mbit/s
95th percentile per-packet one-way delay: 67.762 ms
Loss rate: 7.86%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-11-30 09:18:47

End at: 2018-11-30 09:19:17

Local clock offset: 1.531 ms

Remote clock offset: 34.38 ms

Below is generated by plot.py at 2018-11-30 09:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 68.103 ms

Loss rate: 59.17%

-- Flow 1:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 67.607 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 2.99 Mbit/s

95th percentile per-packet one-way delay: 68.410 ms

Loss rate: 24.93%

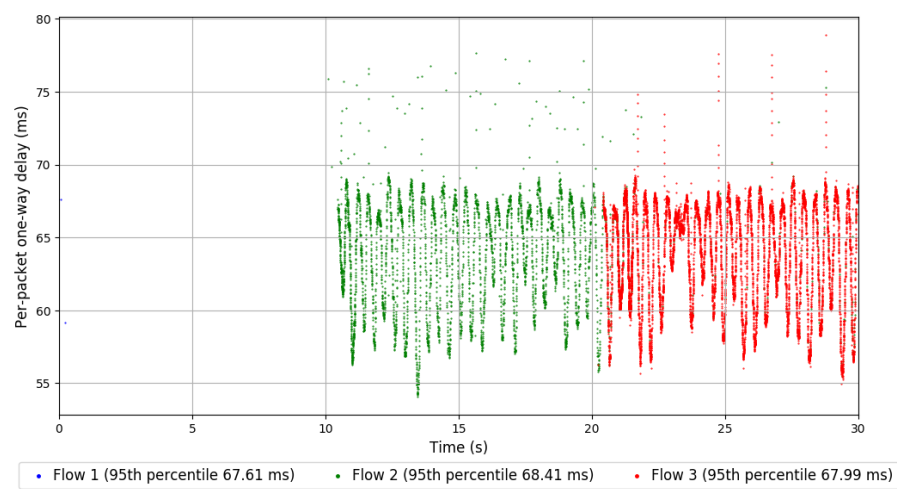
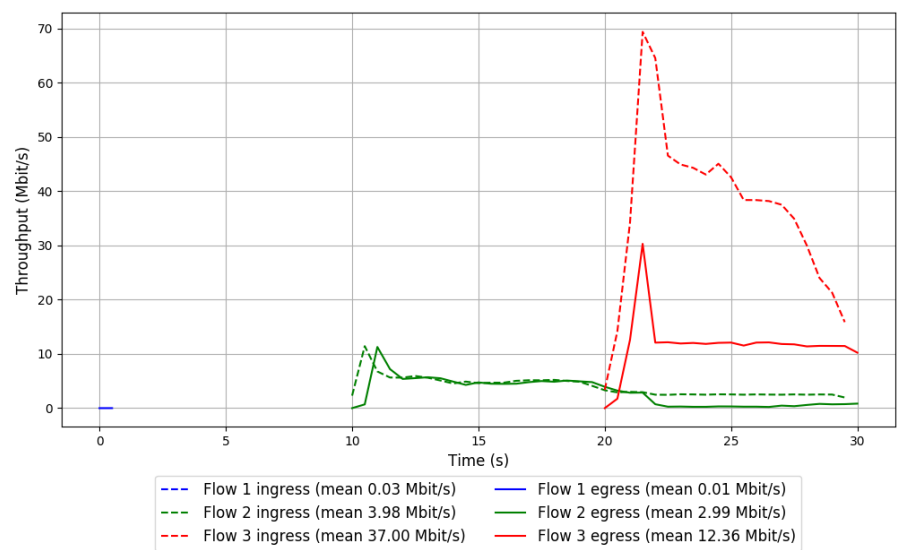
-- Flow 3:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 67.991 ms

Loss rate: 66.58%

Run 5: Report of PCC-Expr — Data Link

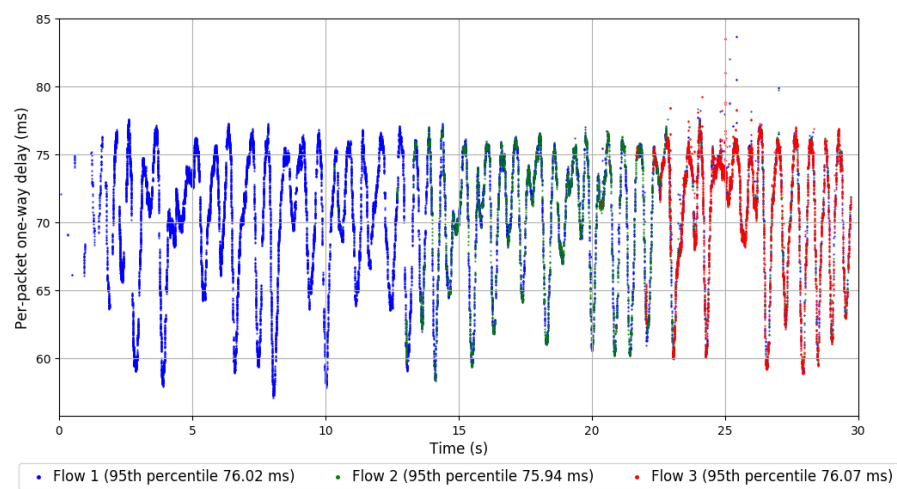
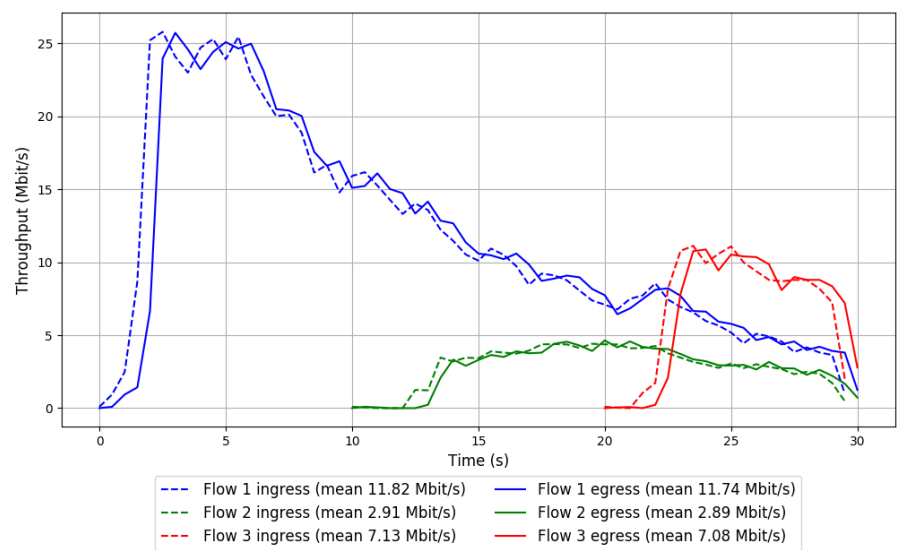


Run 1: Statistics of QUIC Cubic

Start at: 2018-11-30 07:39:00
End at: 2018-11-30 07:39:30
Local clock offset: 1.995 ms
Remote clock offset: 16.414 ms

Below is generated by plot.py at 2018-11-30 09:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 76.021 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 76.020 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 75.943 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 76.071 ms
Loss rate: 0.70%

Run 1: Report of QUIC Cubic — Data Link

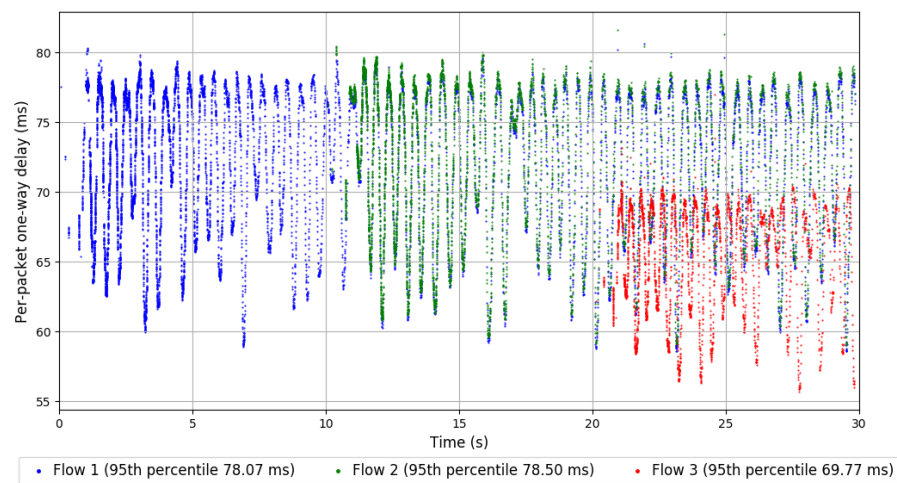
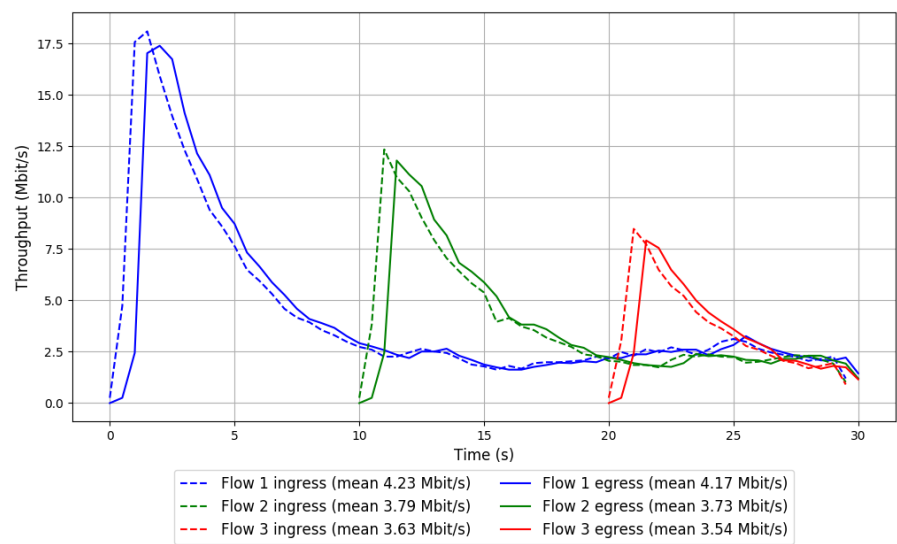


Run 2: Statistics of QUIC Cubic

Start at: 2018-11-30 08:06:24
End at: 2018-11-30 08:06:54
Local clock offset: 0.58 ms
Remote clock offset: 38.829 ms

Below is generated by plot.py at 2018-11-30 09:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 78.155 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 78.067 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 78.502 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 69.771 ms
Loss rate: 2.45%

Run 2: Report of QUIC Cubic — Data Link

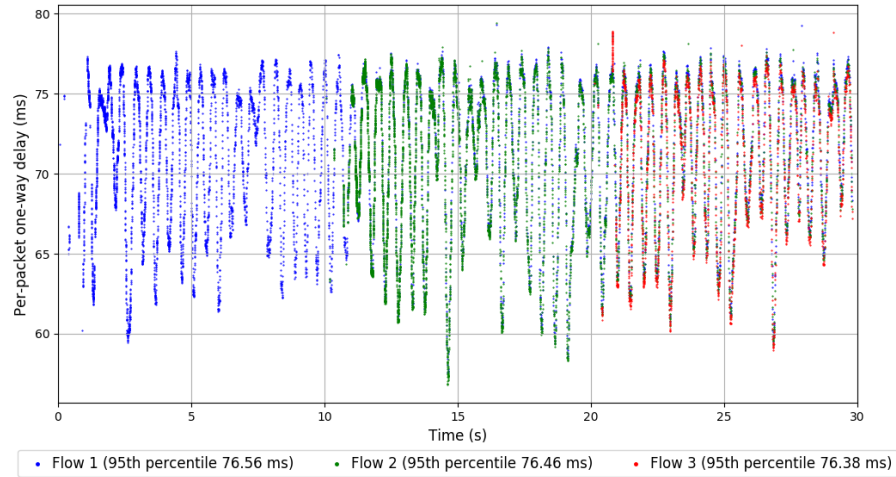
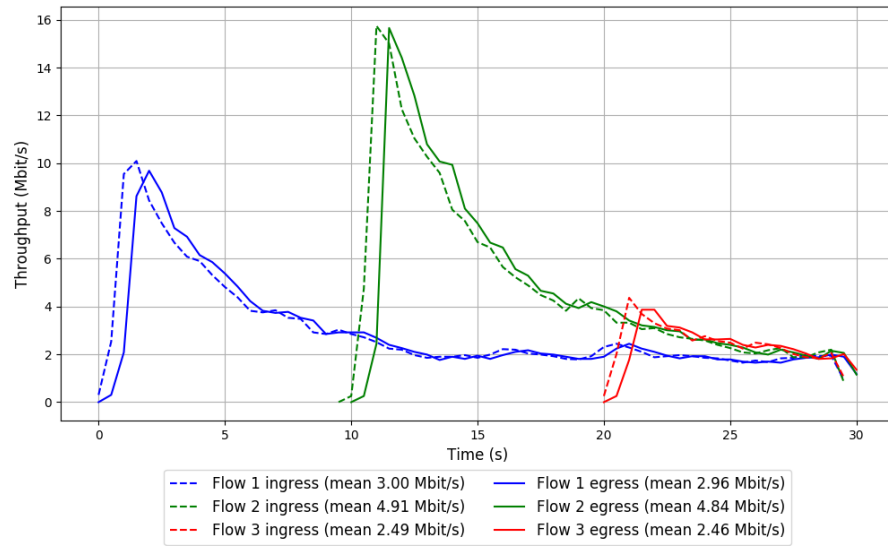


Run 3: Statistics of QUIC Cubic

Start at: 2018-11-30 08:31:41
End at: 2018-11-30 08:32:11
Local clock offset: 0.755 ms
Remote clock offset: 34.381 ms

Below is generated by plot.py at 2018-11-30 09:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 76.504 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 76.560 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 76.458 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 76.380 ms
Loss rate: 1.54%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-11-30 08:56:13

End at: 2018-11-30 08:56:43

Local clock offset: 0.942 ms

Remote clock offset: 19.15 ms

Below is generated by plot.py at 2018-11-30 09:26:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 78.268 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 78.064 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 69.905 ms

Loss rate: 2.00%

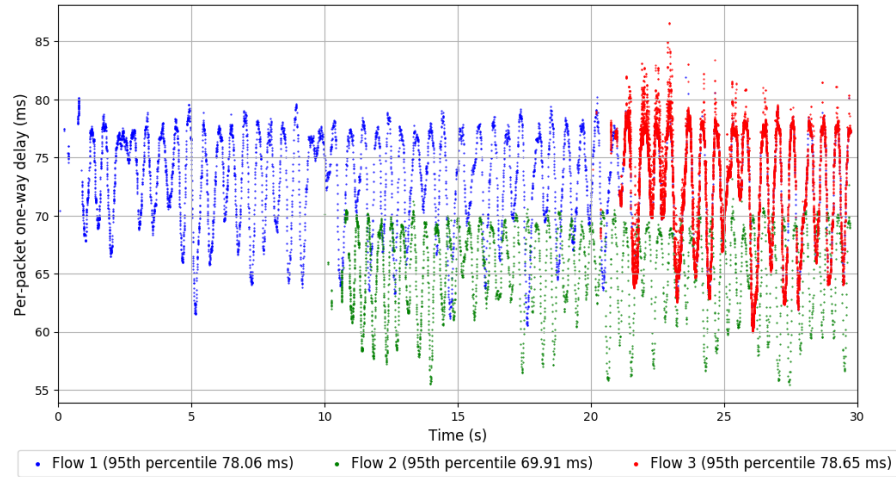
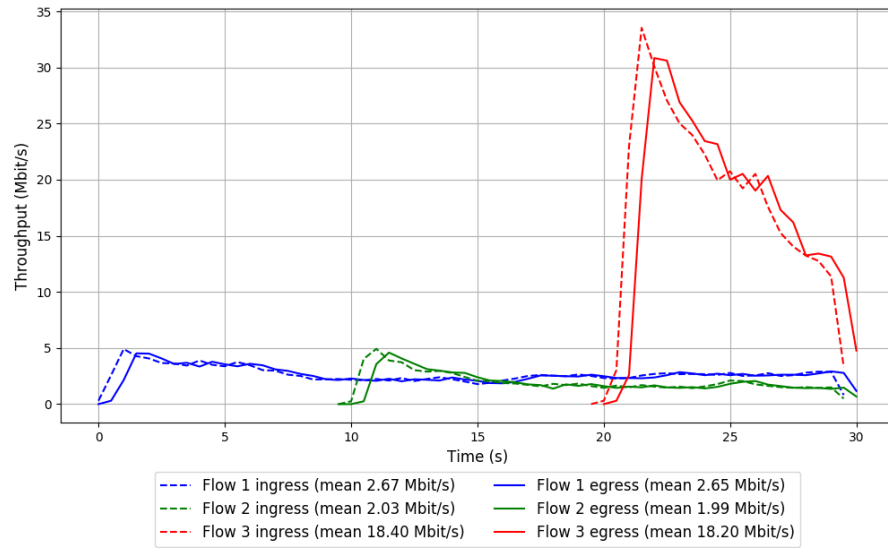
-- Flow 3:

Average throughput: 18.20 Mbit/s

95th percentile per-packet one-way delay: 78.650 ms

Loss rate: 1.07%

Run 4: Report of QUIC Cubic — Data Link

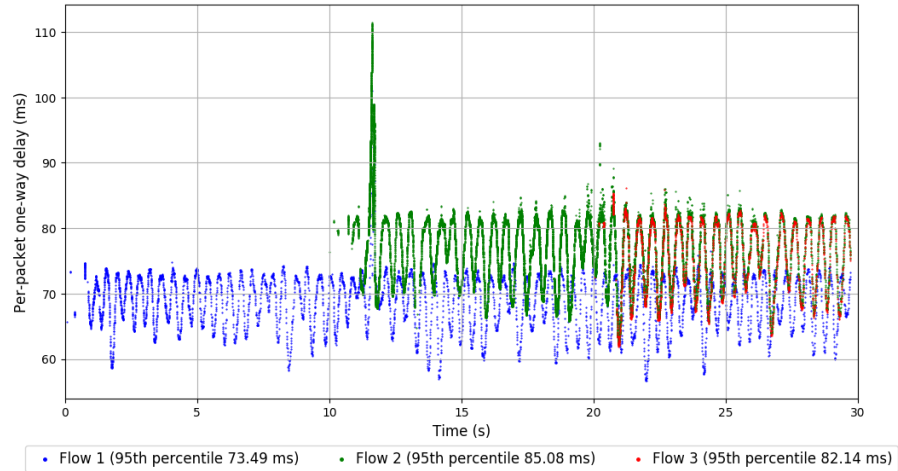
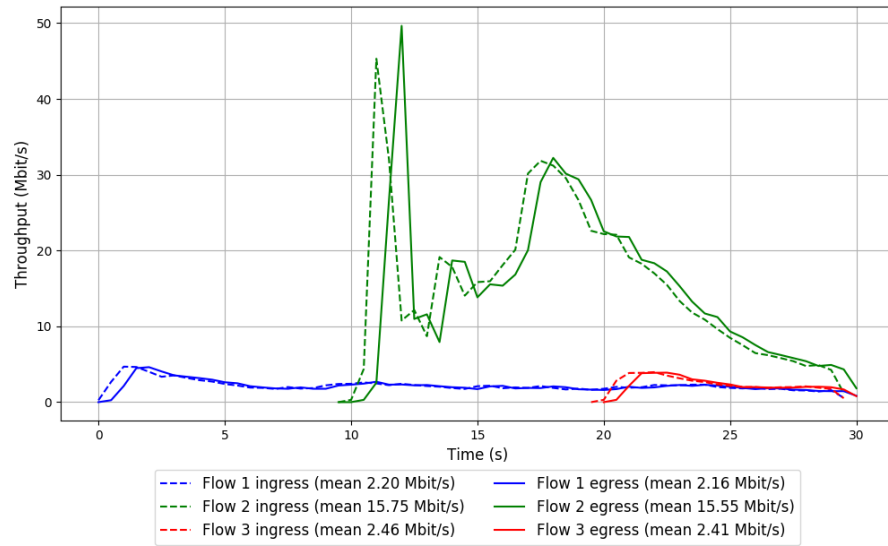


Run 5: Statistics of QUIC Cubic

Start at: 2018-11-30 09:21:18
End at: 2018-11-30 09:21:48
Local clock offset: 1.523 ms
Remote clock offset: 41.067 ms

Below is generated by plot.py at 2018-11-30 09:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 83.312 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 73.491 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 85.075 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 82.139 ms
Loss rate: 1.86%

Run 5: Report of QUIC Cubic — Data Link

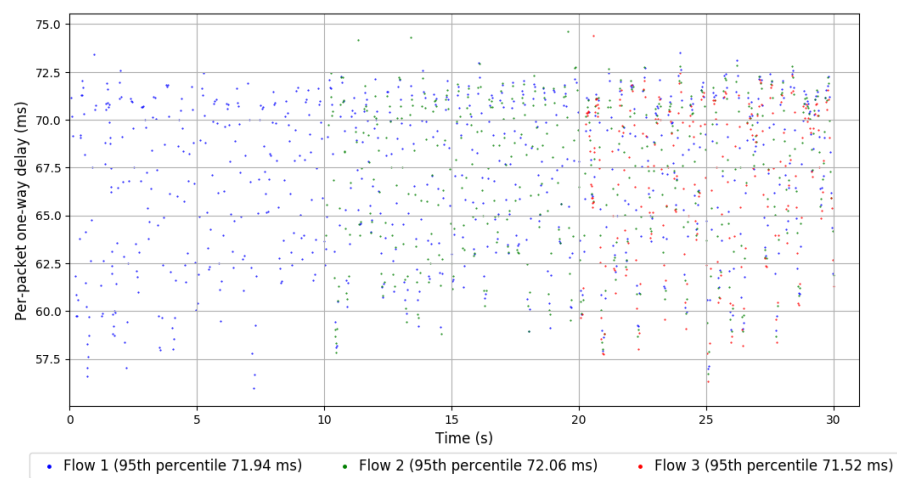
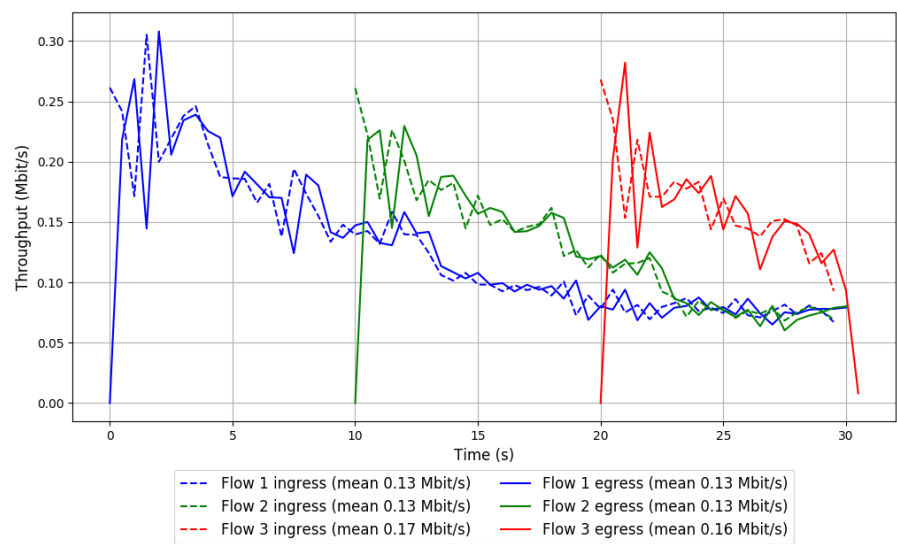


Run 1: Statistics of SCReAM

Start at: 2018-11-30 07:21:01
End at: 2018-11-30 07:21:31
Local clock offset: 0.973 ms
Remote clock offset: 38.108 ms

Below is generated by plot.py at 2018-11-30 09:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 71.935 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 71.937 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 72.055 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 71.524 ms
Loss rate: 2.04%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-11-30 07:49:28

End at: 2018-11-30 07:49:58

Local clock offset: 1.465 ms

Remote clock offset: 11.82 ms

Below is generated by plot.py at 2018-11-30 09:26:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 75.369 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 67.860 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 75.724 ms

Loss rate: 1.65%

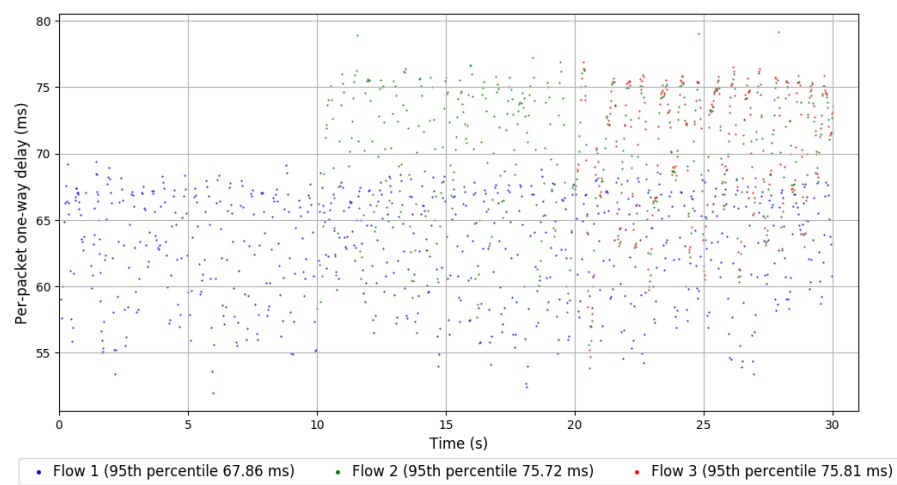
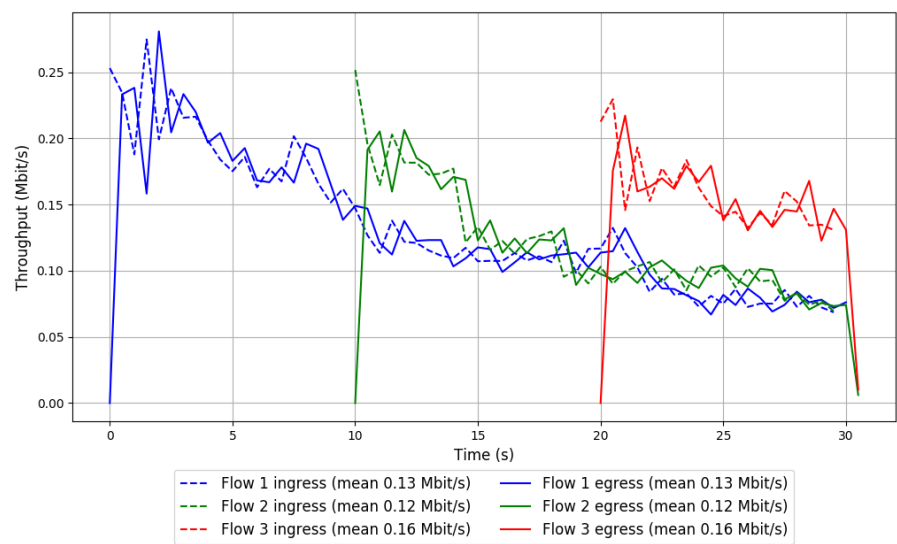
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 75.812 ms

Loss rate: 1.11%

Run 2: Report of SReAM — Data Link

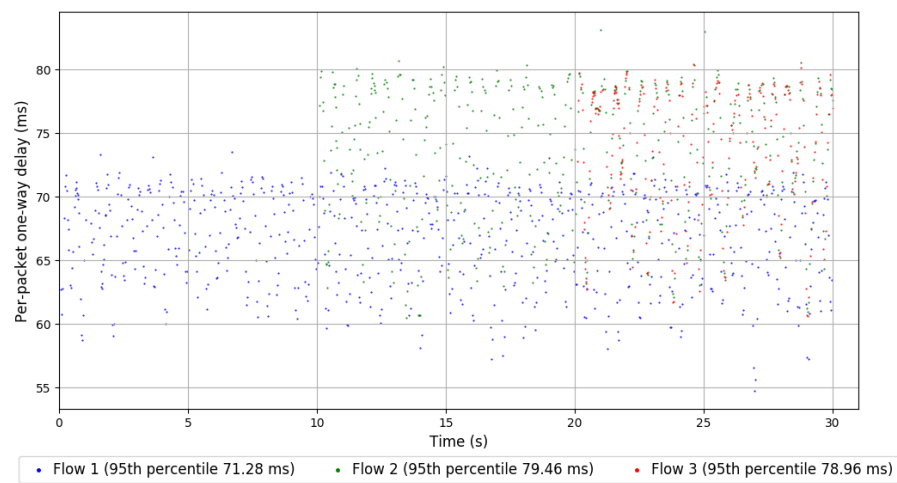
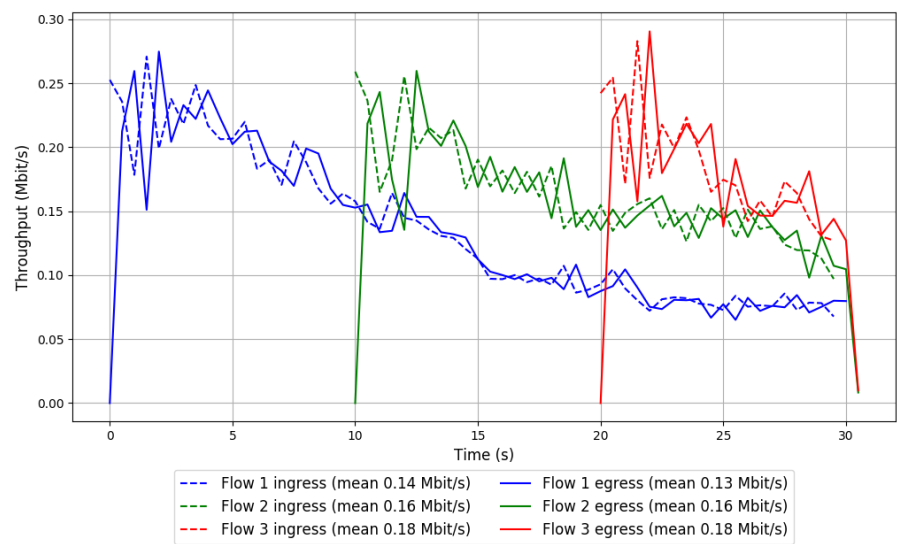


Run 3: Statistics of SCReAM

Start at: 2018-11-30 08:14:06
End at: 2018-11-30 08:14:36
Local clock offset: 0.308 ms
Remote clock offset: 44.565 ms

Below is generated by plot.py at 2018-11-30 09:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 78.954 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 71.283 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 79.459 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 78.957 ms
Loss rate: 1.26%

Run 3: Report of SReAM — Data Link

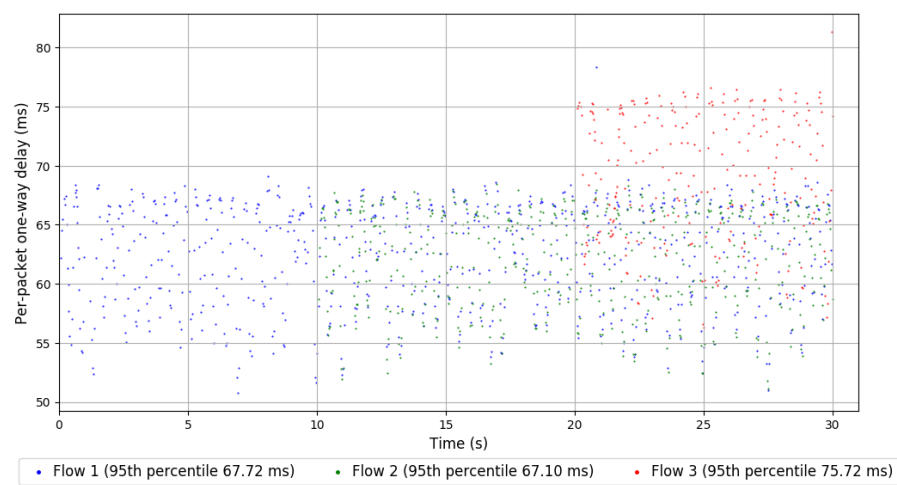
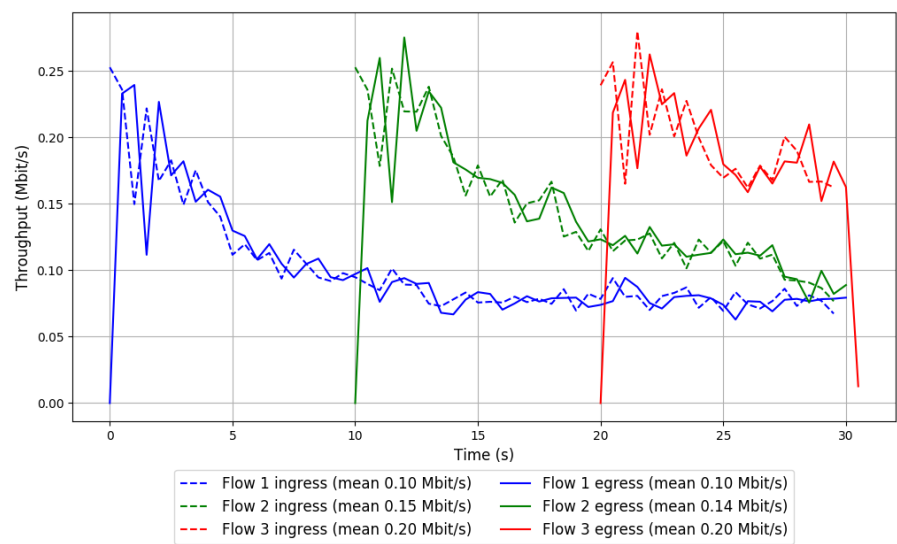


Run 4: Statistics of SCReAM

Start at: 2018-11-30 08:39:25
End at: 2018-11-30 08:39:55
Local clock offset: 0.804 ms
Remote clock offset: 25.153 ms

Below is generated by plot.py at 2018-11-30 09:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 73.889 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 67.717 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 67.104 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 75.723 ms
Loss rate: 0.47%

Run 4: Report of SReAM — Data Link

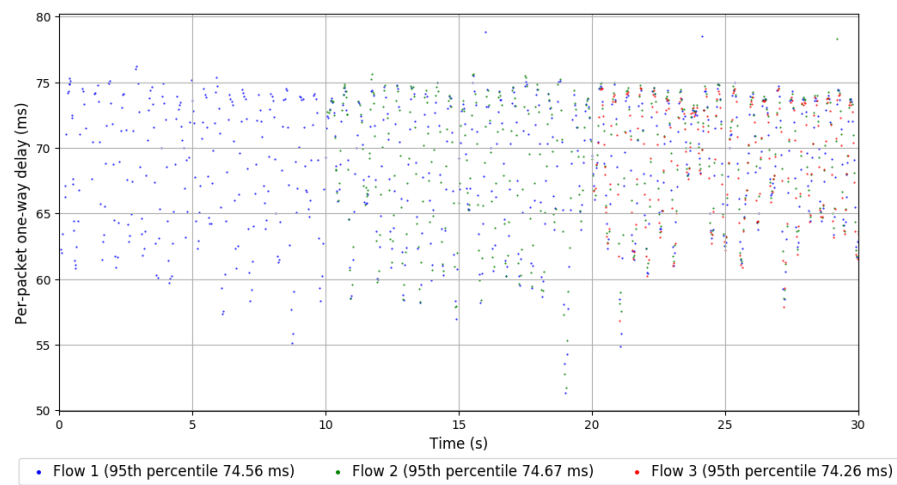
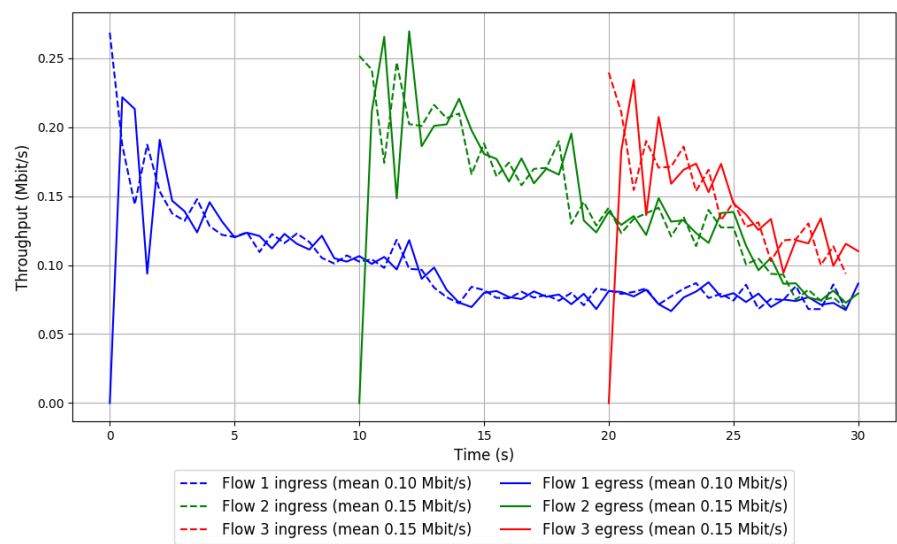


Run 5: Statistics of SCReAM

Start at: 2018-11-30 09:04:04
End at: 2018-11-30 09:04:34
Local clock offset: 0.947 ms
Remote clock offset: 20.339 ms

Below is generated by plot.py at 2018-11-30 09:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 74.537 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 74.555 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 74.674 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 74.256 ms
Loss rate: 1.46%

Run 5: Report of SReAM — Data Link

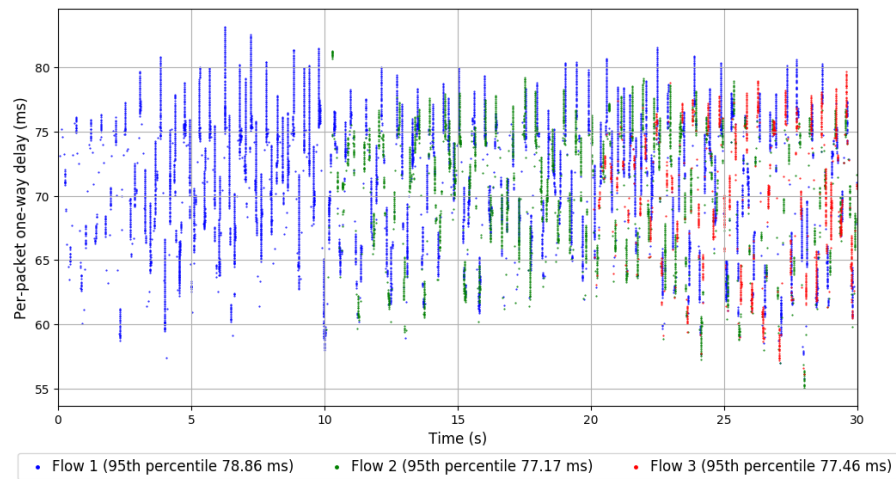
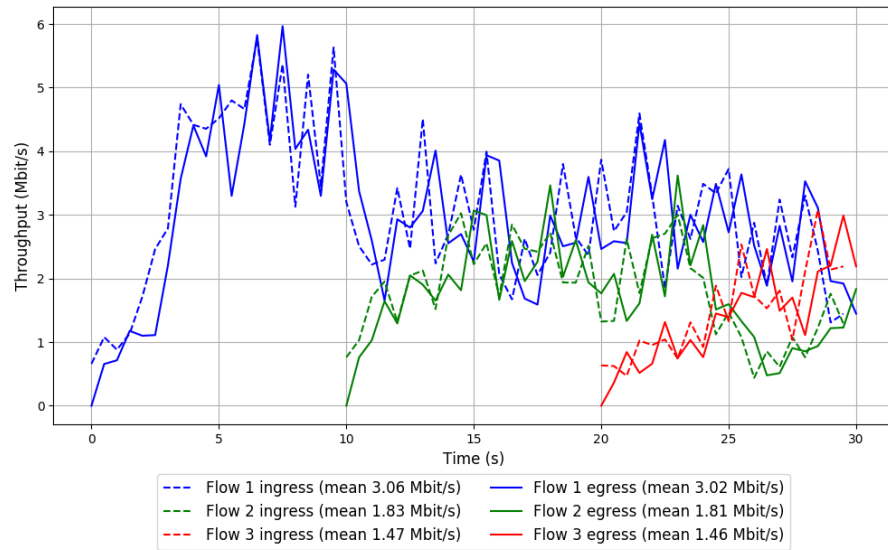


Run 1: Statistics of Sprout

Start at: 2018-11-30 07:29:00
End at: 2018-11-30 07:29:30
Local clock offset: 1.427 ms
Remote clock offset: 21.983 ms

Below is generated by plot.py at 2018-11-30 09:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 78.277 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 78.865 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 77.171 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 77.461 ms
Loss rate: 0.91%

Run 1: Report of Sprout — Data Link

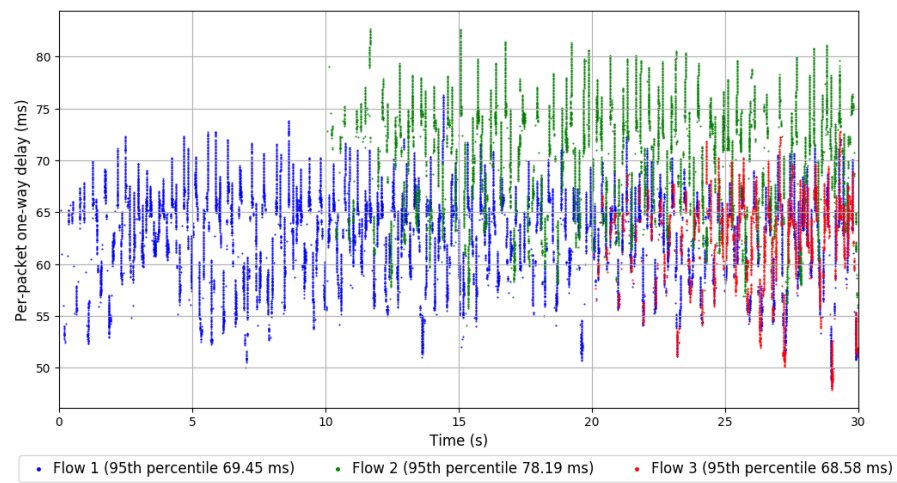
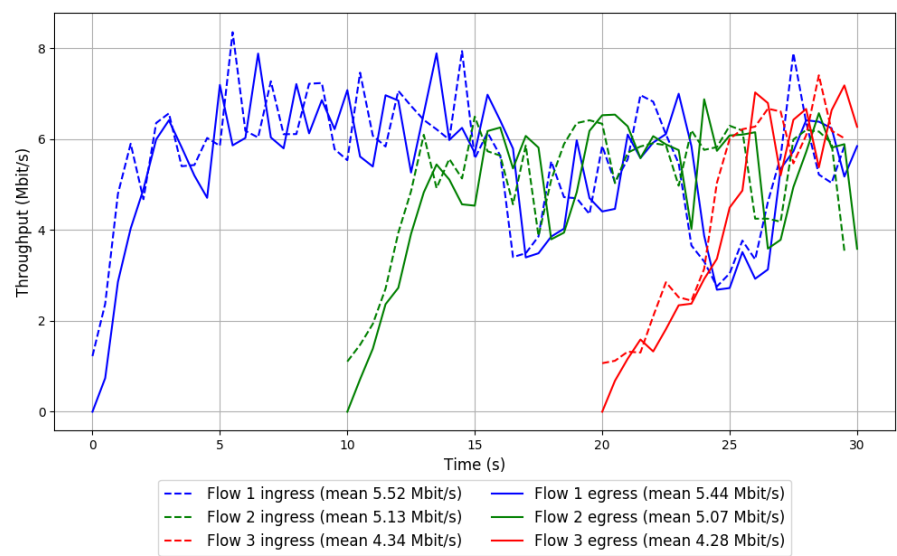


Run 2: Statistics of Sprout

Start at: 2018-11-30 07:57:13
End at: 2018-11-30 07:57:43
Local clock offset: 0.974 ms
Remote clock offset: 22.41 ms

Below is generated by plot.py at 2018-11-30 09:26:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 75.772 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 69.451 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 78.188 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 68.580 ms
Loss rate: 1.53%

Run 2: Report of Sprout — Data Link

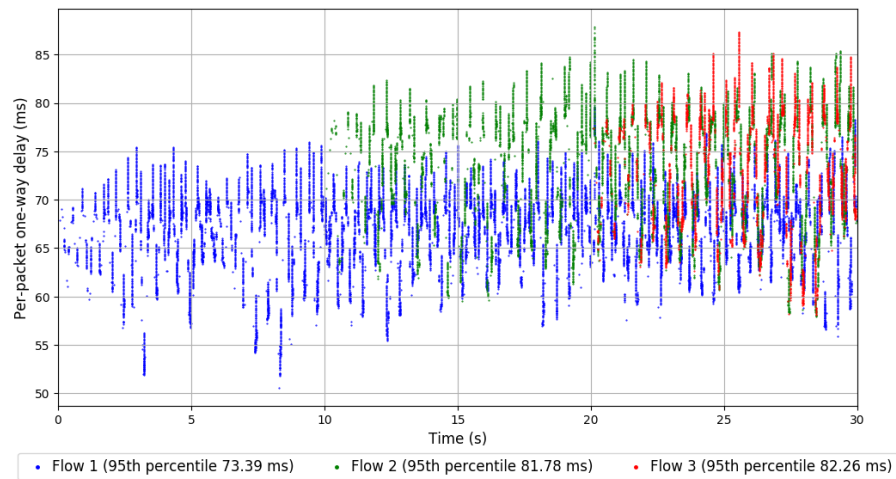
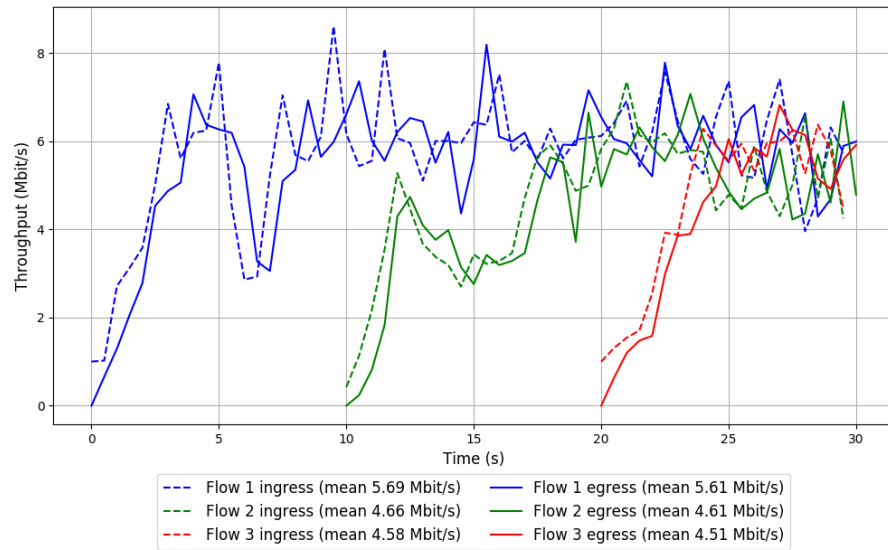


Run 3: Statistics of Sprout

Start at: 2018-11-30 08:21:53
End at: 2018-11-30 08:22:23
Local clock offset: 0.56 ms
Remote clock offset: 45.682 ms

```
# Below is generated by plot.py at 2018-11-30 09:26:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 80.281 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 5.61 Mbit/s
95th percentile per-packet one-way delay: 73.394 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 81.778 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 82.264 ms
Loss rate: 1.62%
```

Run 3: Report of Sprout — Data Link

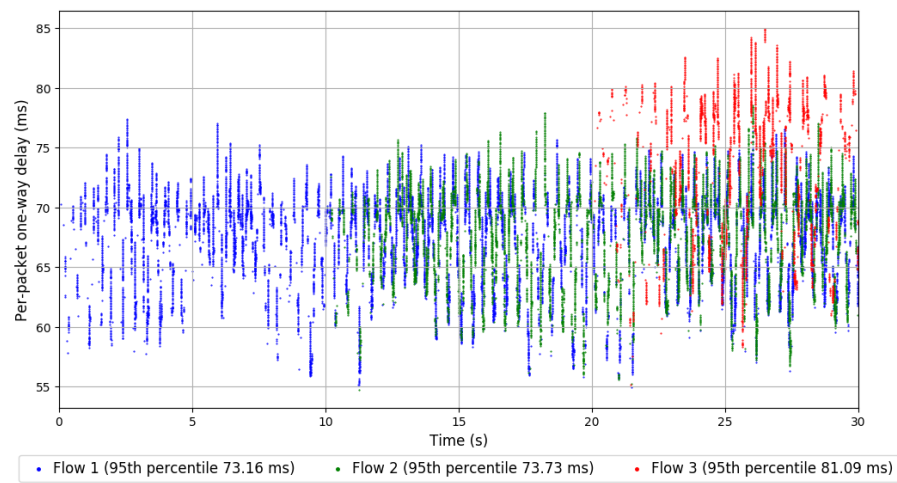
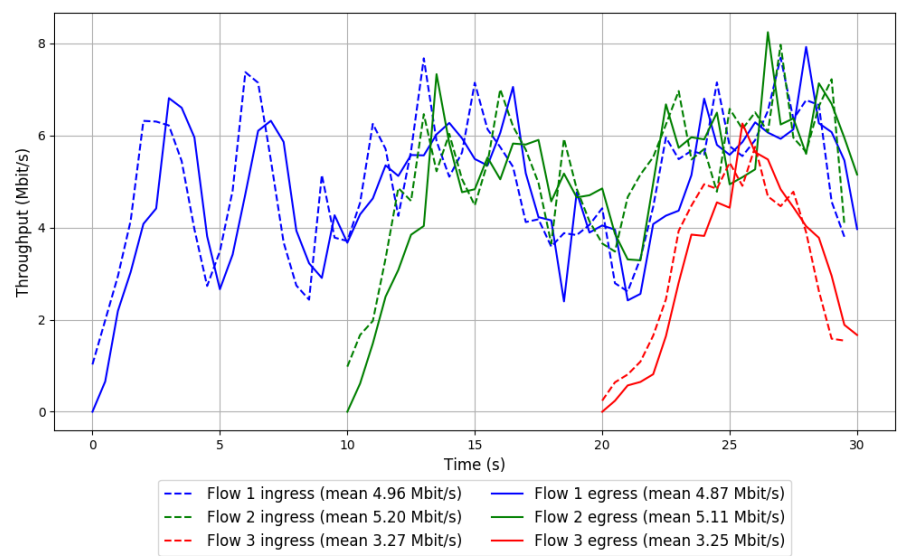


Run 4: Statistics of Sprout

Start at: 2018-11-30 08:47:11
End at: 2018-11-30 08:47:41
Local clock offset: 0.894 ms
Remote clock offset: 23.414 ms

```
# Below is generated by plot.py at 2018-11-30 09:26:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 76.307 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 73.156 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 5.11 Mbit/s
95th percentile per-packet one-way delay: 73.726 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 81.089 ms
Loss rate: 0.59%
```

Run 4: Report of Sprout — Data Link

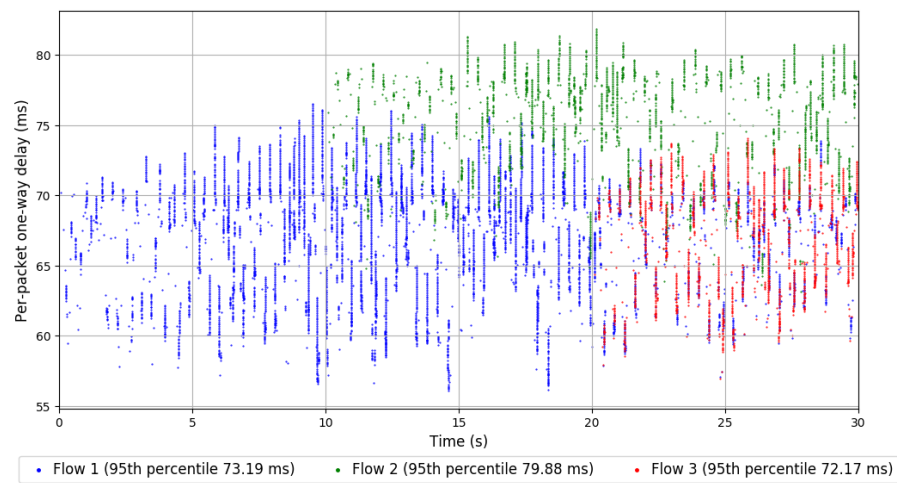
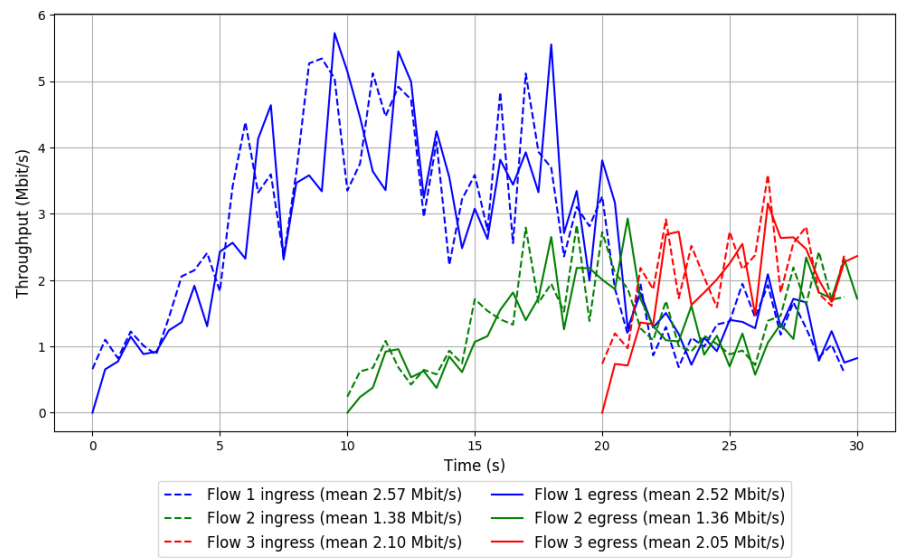


Run 5: Statistics of Sprout

Start at: 2018-11-30 09:11:59
End at: 2018-11-30 09:12:29
Local clock offset: 0.95 ms
Remote clock offset: 33.414 ms

Below is generated by plot.py at 2018-11-30 09:26:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 78.329 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 73.187 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 79.883 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 72.165 ms
Loss rate: 2.56%

Run 5: Report of Sprout — Data Link

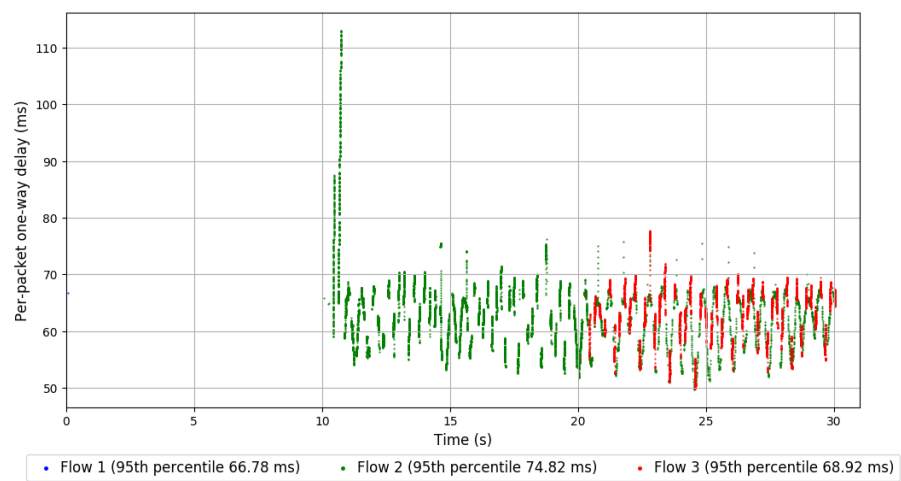
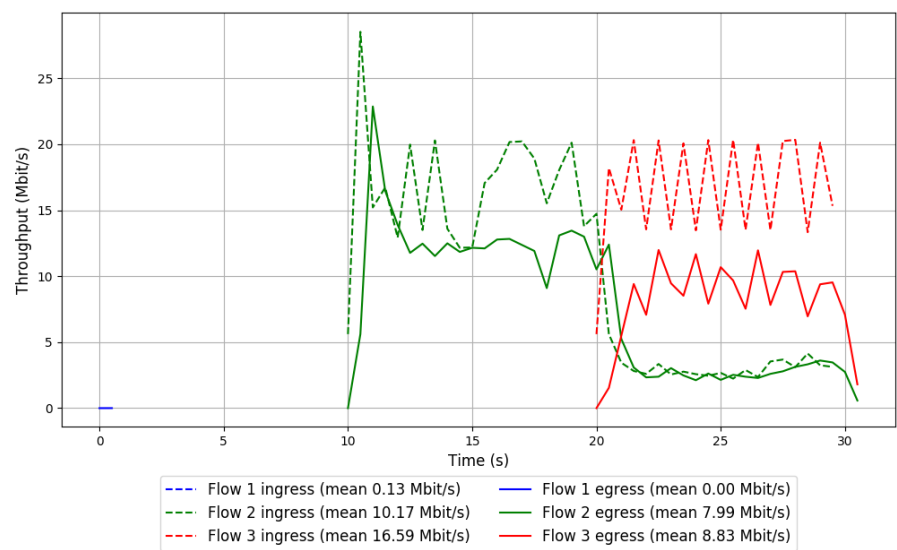


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-11-30 07:18:16
End at: 2018-11-30 07:18:46
Local clock offset: 0.617 ms
Remote clock offset: 38.637 ms

# Below is generated by plot.py at 2018-11-30 09:26:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 71.313 ms
Loss rate: 32.77%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 66.784 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 74.819 ms
Loss rate: 21.40%
-- Flow 3:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 68.916 ms
Loss rate: 46.73%
```

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

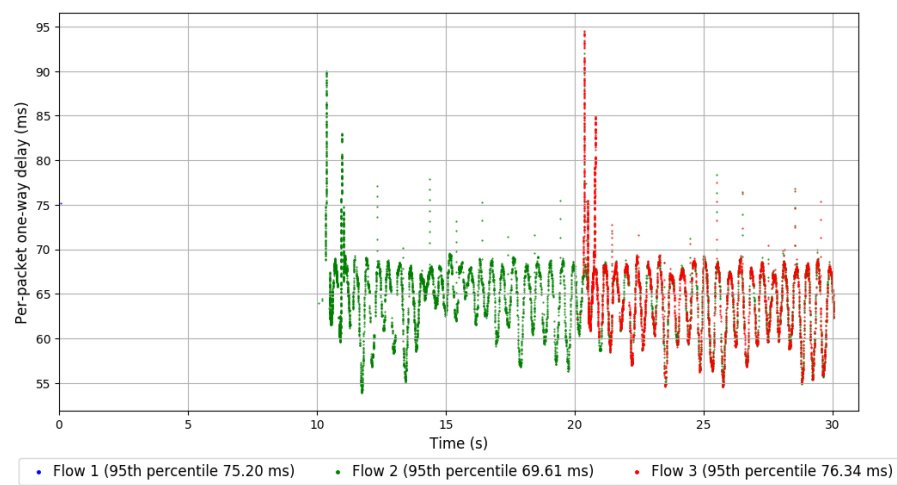
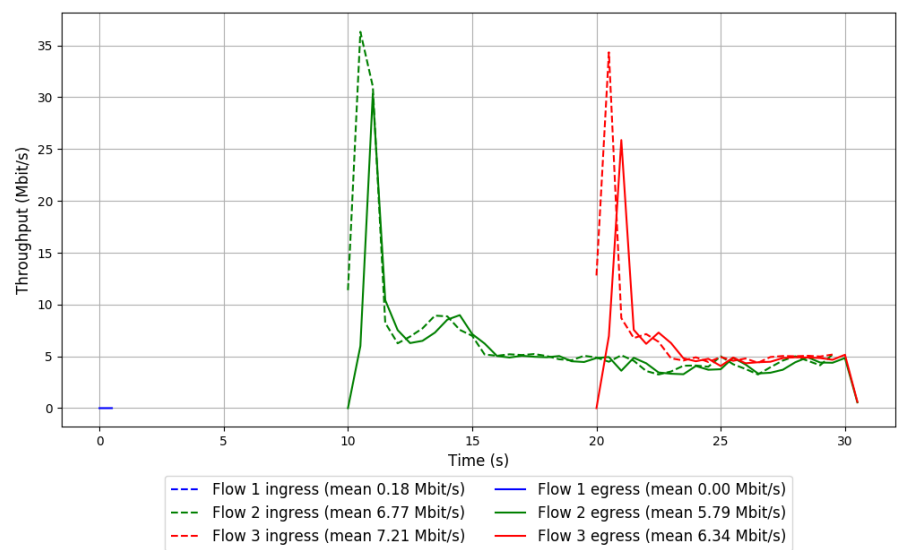


Run 2: Statistics of TaoVA-100x

Start at: 2018-11-30 07:46:44
End at: 2018-11-30 07:47:14
Local clock offset: 1.711 ms
Remote clock offset: 12.717 ms

Below is generated by plot.py at 2018-11-30 09:26:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 72.631 ms
Loss rate: 13.71%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 75.203 ms
Loss rate: 95.92%
-- Flow 2:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 69.607 ms
Loss rate: 14.55%
-- Flow 3:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 76.338 ms
Loss rate: 12.12%

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

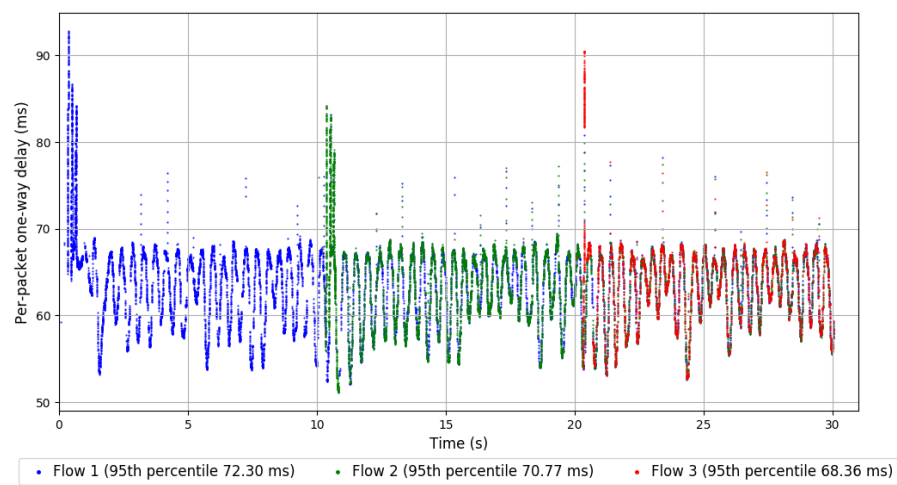
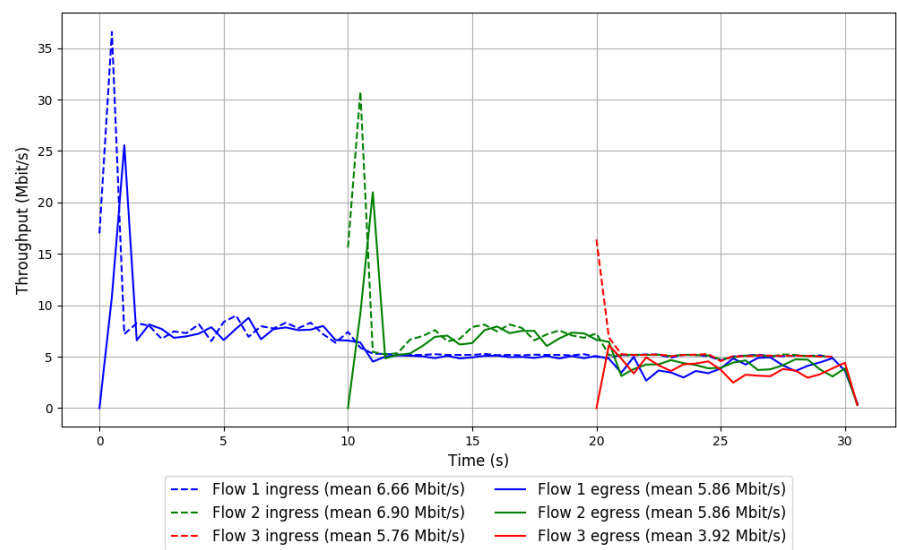


Run 3: Statistics of TaoVA-100x

Start at: 2018-11-30 08:11:25
End at: 2018-11-30 08:11:55
Local clock offset: 0.597 ms
Remote clock offset: 39.236 ms

Below is generated by plot.py at 2018-11-30 09:26:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 71.118 ms
Loss rate: 15.98%
-- Flow 1:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 72.301 ms
Loss rate: 12.01%
-- Flow 2:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 70.769 ms
Loss rate: 15.06%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 68.359 ms
Loss rate: 31.96%

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

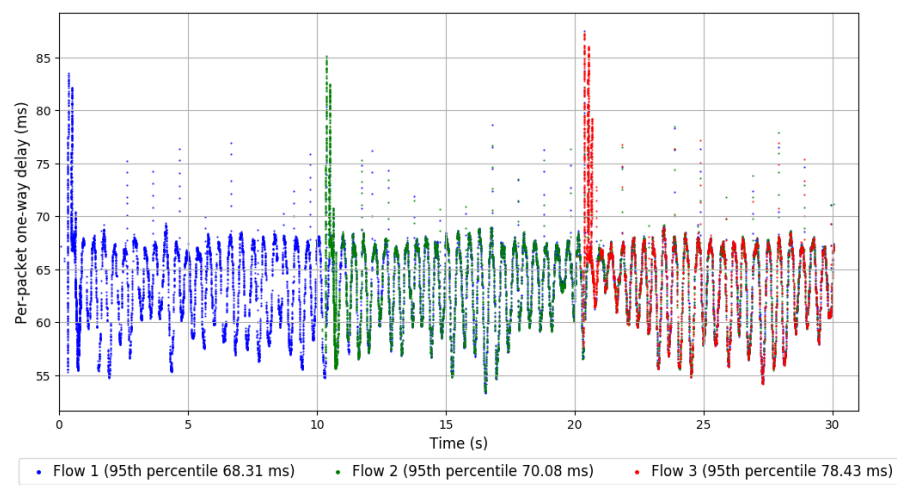
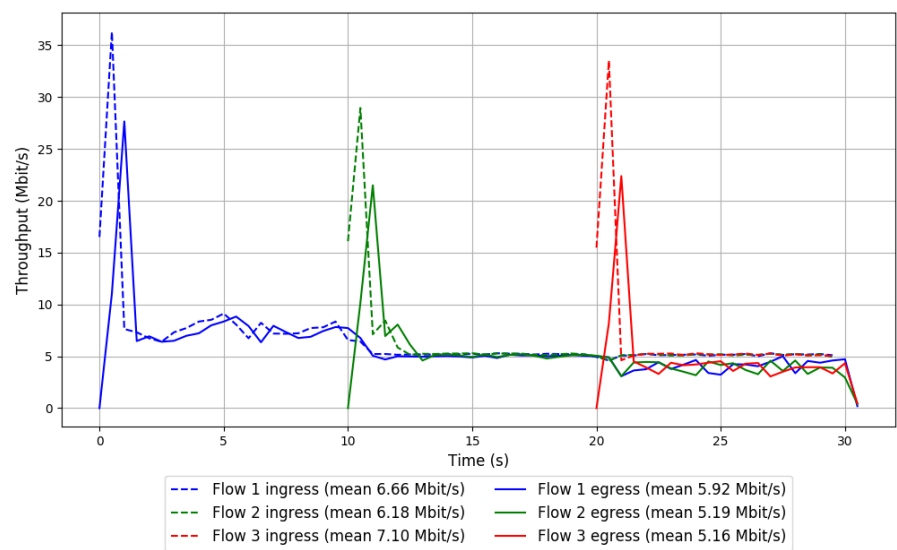


Run 4: Statistics of TaoVA-100x

Start at: 2018-11-30 08:36:44
End at: 2018-11-30 08:37:14
Local clock offset: 0.874 ms
Remote clock offset: 27.715 ms

Below is generated by plot.py at 2018-11-30 09:26:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 70.582 ms
Loss rate: 15.58%
-- Flow 1:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 68.305 ms
Loss rate: 11.05%
-- Flow 2:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 70.078 ms
Loss rate: 16.11%
-- Flow 3:
Average throughput: 5.16 Mbit/s
95th percentile per-packet one-way delay: 78.433 ms
Loss rate: 27.43%

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

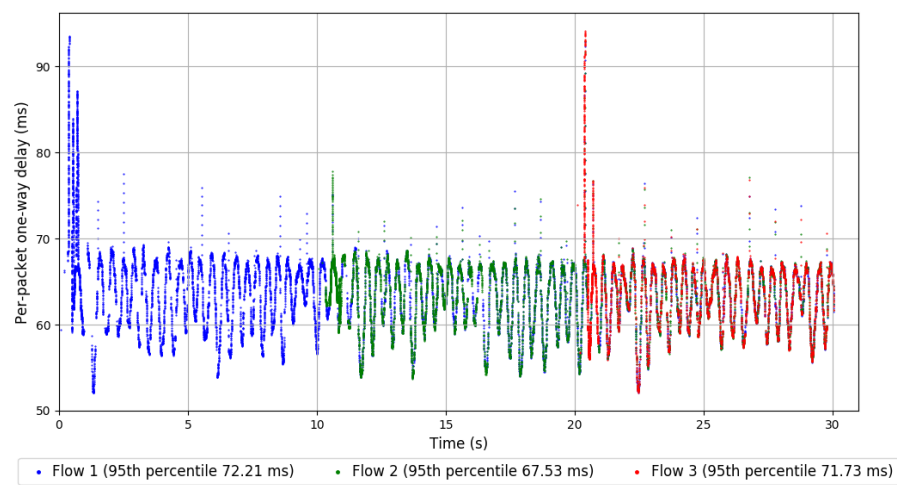
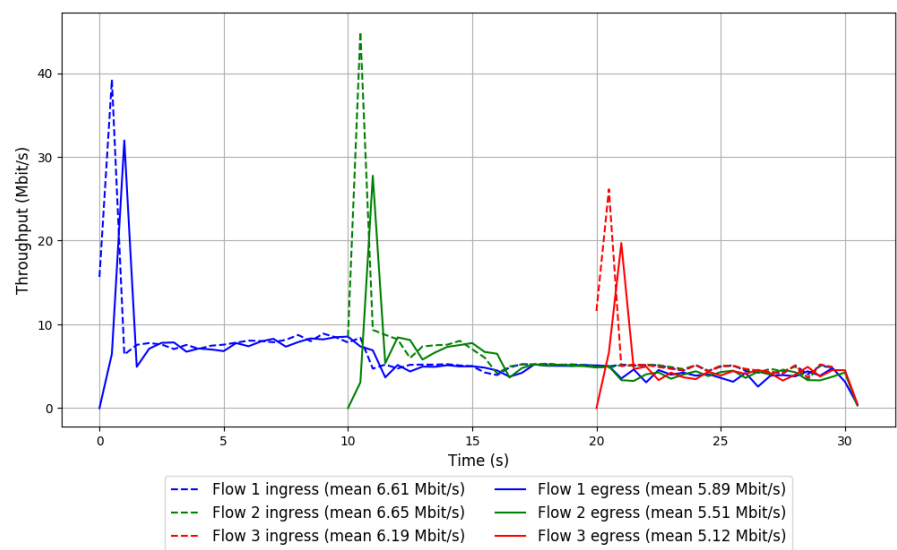


Run 5: Statistics of TaoVA-100x

Start at: 2018-11-30 09:01:20
End at: 2018-11-30 09:01:50
Local clock offset: 0.76 ms
Remote clock offset: 15.922 ms

Below is generated by plot.py at 2018-11-30 09:26:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 68.685 ms
Loss rate: 14.05%
-- Flow 1:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 72.212 ms
Loss rate: 10.94%
-- Flow 2:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 67.531 ms
Loss rate: 17.11%
-- Flow 3:
Average throughput: 5.12 Mbit/s
95th percentile per-packet one-way delay: 71.731 ms
Loss rate: 17.46%

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

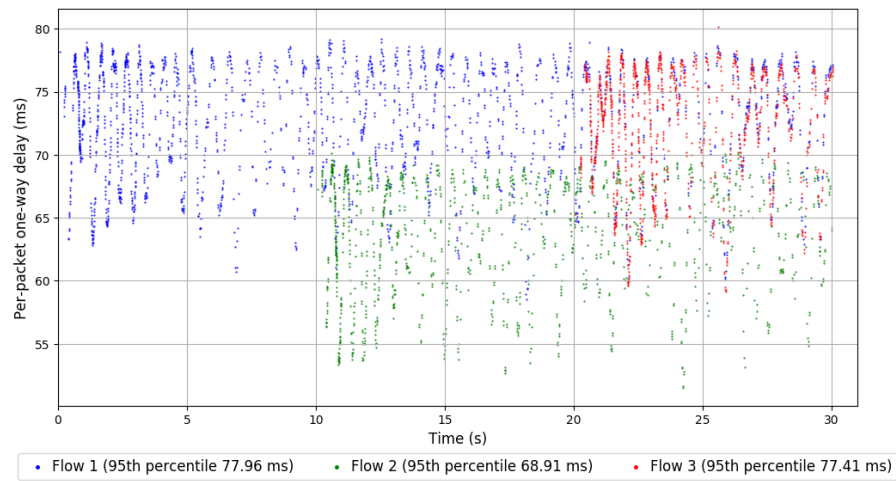
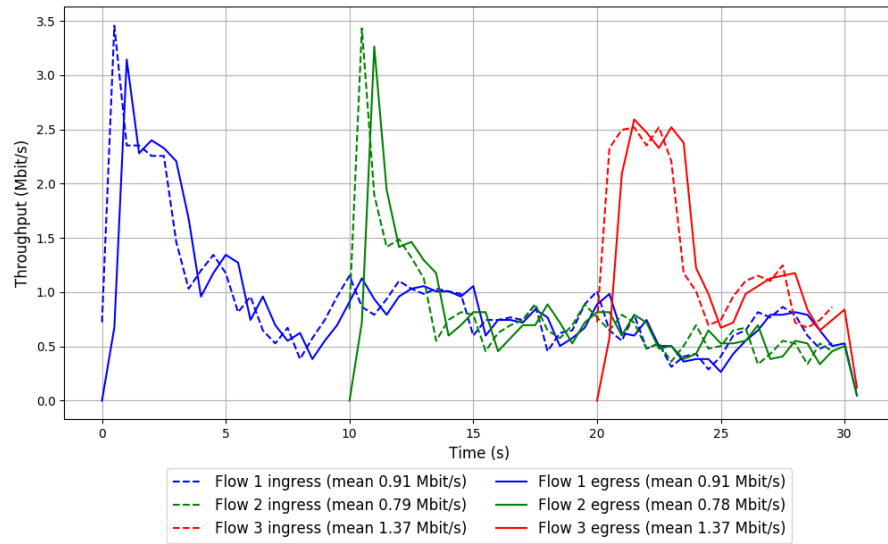


Run 1: Statistics of TCP Vegas

Start at: 2018-11-30 07:16:59
End at: 2018-11-30 07:17:29
Local clock offset: 0.404 ms
Remote clock offset: 41.026 ms

Below is generated by plot.py at 2018-11-30 09:26:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 77.631 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 77.961 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 68.907 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 77.414 ms
Loss rate: 0.35%

Run 1: Report of TCP Vegas — Data Link

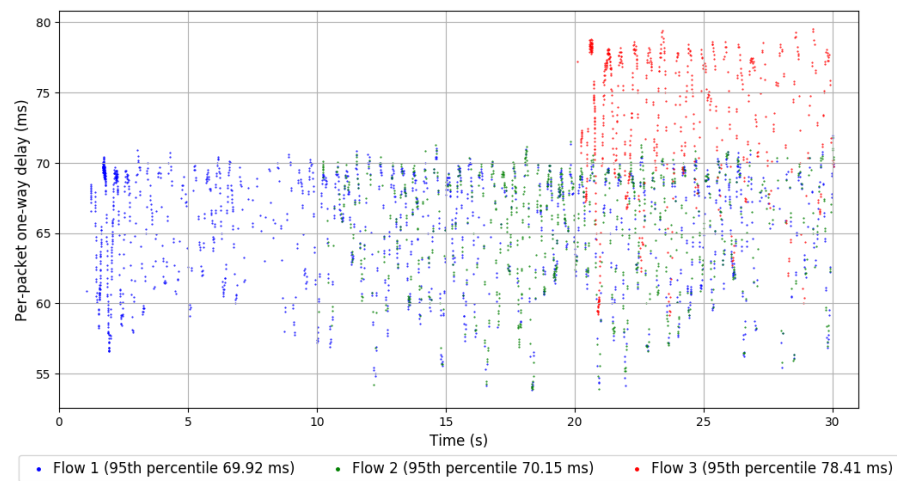
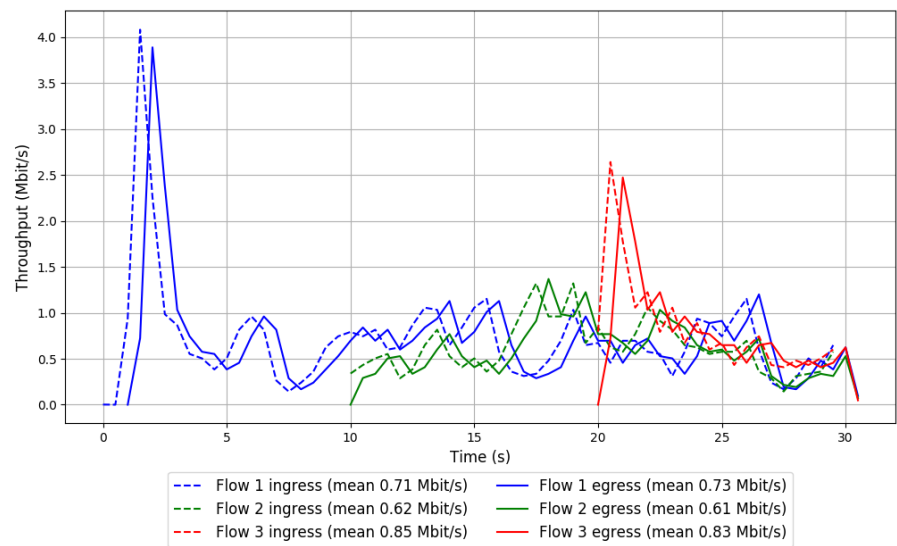


Run 2: Statistics of TCP Vegas

Start at: 2018-11-30 07:45:29
End at: 2018-11-30 07:45:59
Local clock offset: 2.029 ms
Remote clock offset: 15.267 ms

Below is generated by plot.py at 2018-11-30 09:26:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 77.250 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 69.916 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 70.150 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 78.414 ms
Loss rate: 1.85%

Run 2: Report of TCP Vegas — Data Link

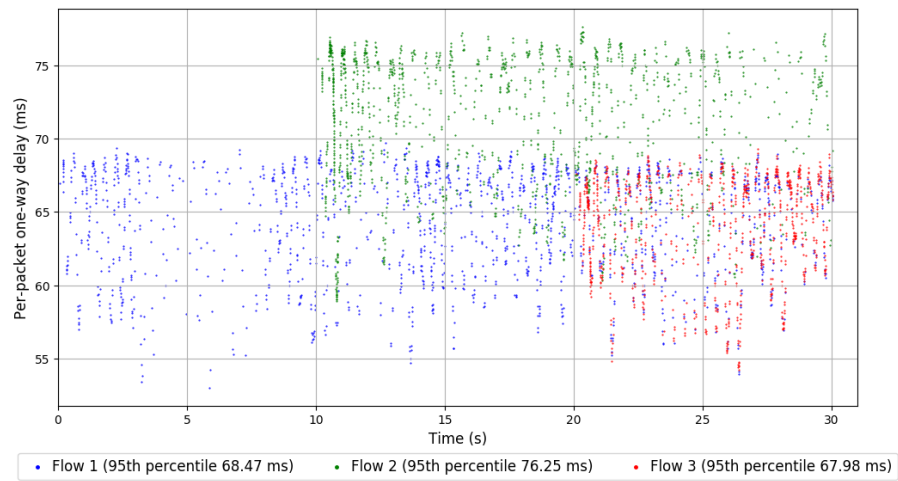
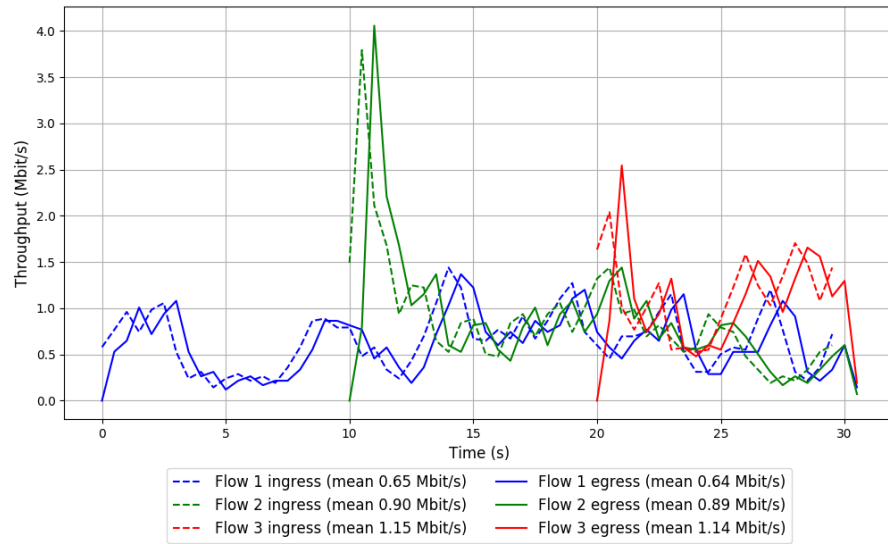


Run 3: Statistics of TCP Vegas

Start at: 2018-11-30 08:10:11
End at: 2018-11-30 08:10:41
Local clock offset: 0.622 ms
Remote clock offset: 39.35 ms

Below is generated by plot.py at 2018-11-30 09:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 75.720 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 68.469 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 76.251 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 67.978 ms
Loss rate: 1.25%

Run 3: Report of TCP Vegas — Data Link

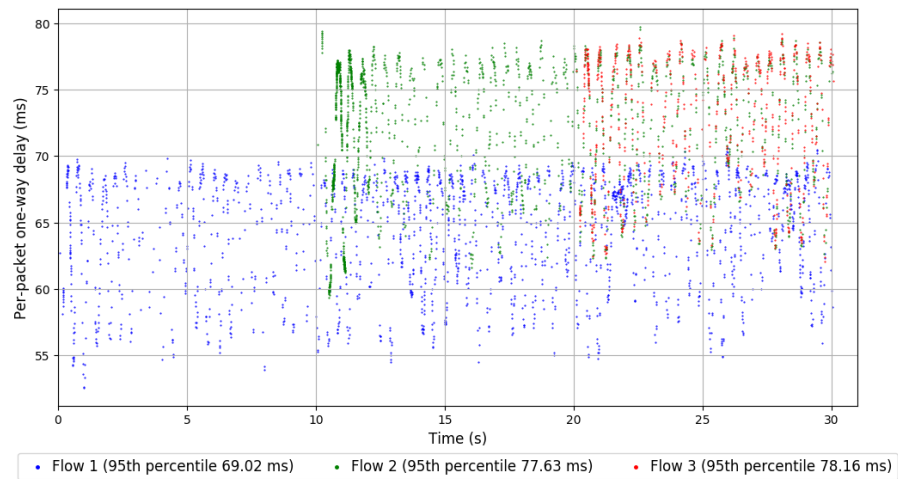
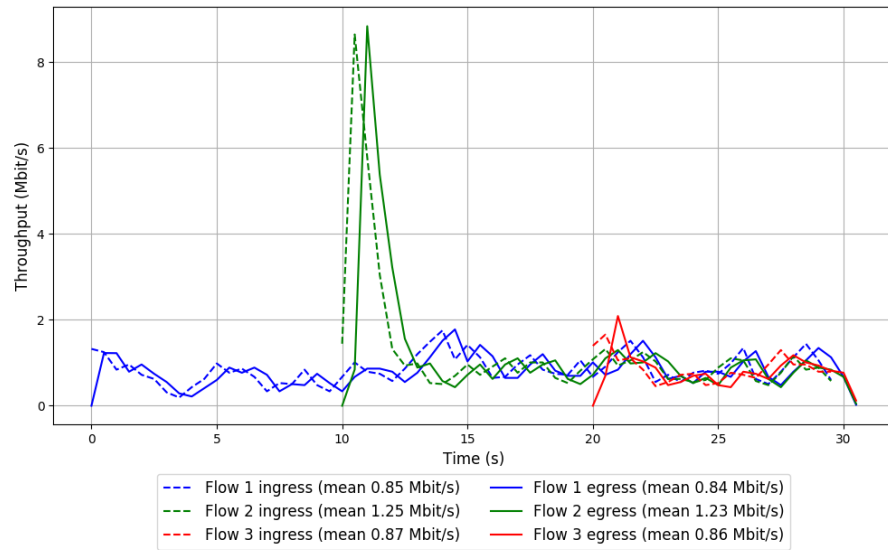


Run 4: Statistics of TCP Vegas

Start at: 2018-11-30 08:35:30
End at: 2018-11-30 08:36:00
Local clock offset: 0.74 ms
Remote clock offset: 30.294 ms

Below is generated by plot.py at 2018-11-30 09:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 77.489 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 69.020 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 77.629 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 78.162 ms
Loss rate: 1.65%

Run 4: Report of TCP Vegas — Data Link

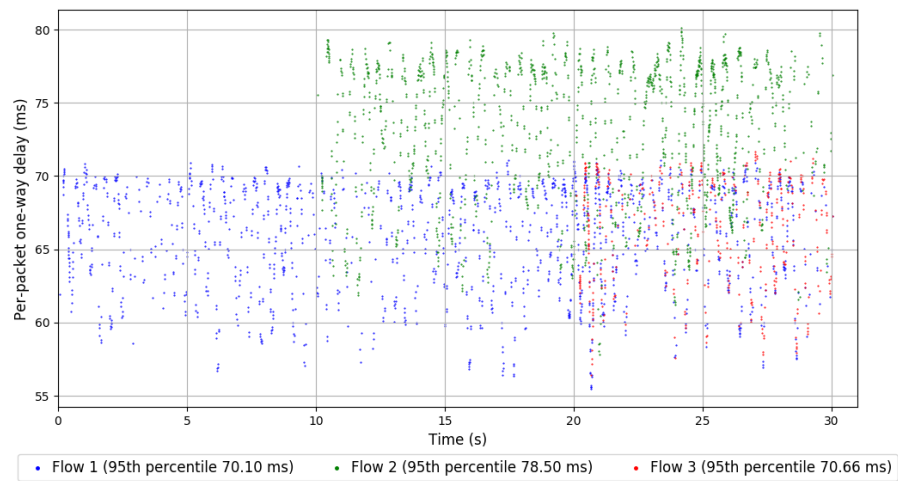
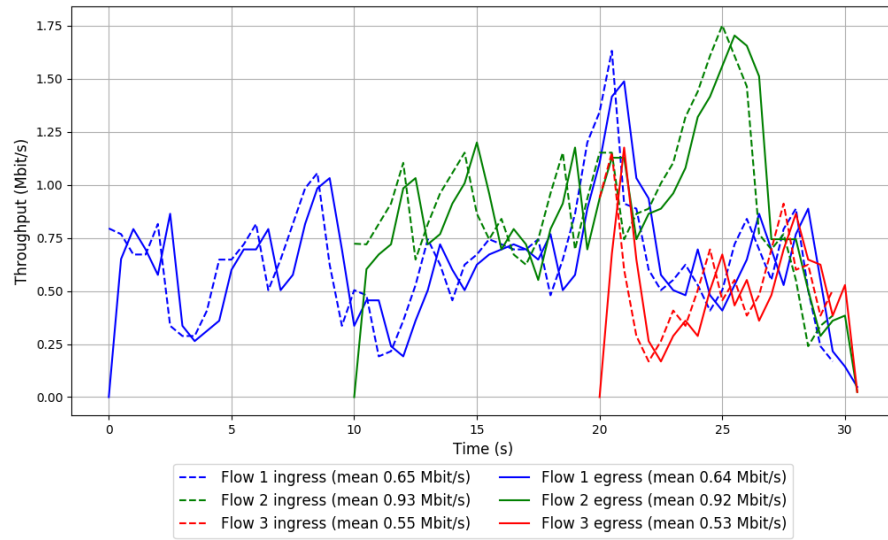


Run 5: Statistics of TCP Vegas

Start at: 2018-11-30 09:00:04
End at: 2018-11-30 09:00:34
Local clock offset: 0.94 ms
Remote clock offset: 17.477 ms

Below is generated by plot.py at 2018-11-30 09:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 77.928 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 70.096 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 78.496 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 70.655 ms
Loss rate: 2.85%

Run 5: Report of TCP Vegas — Data Link

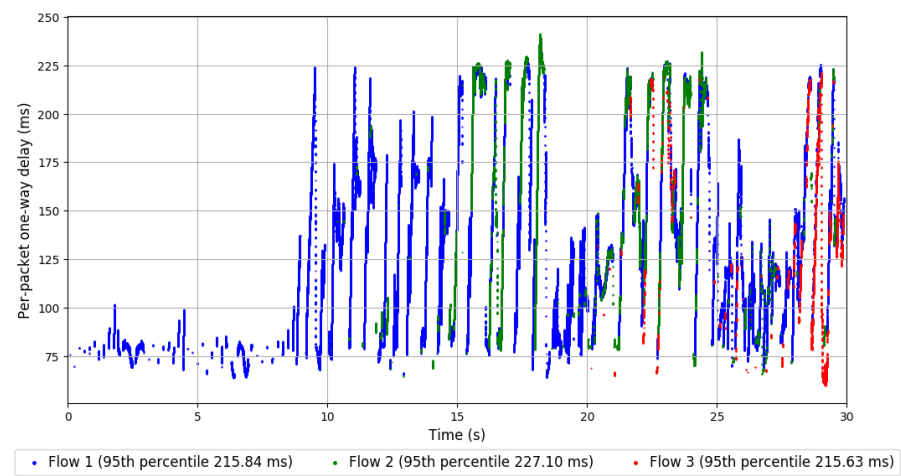
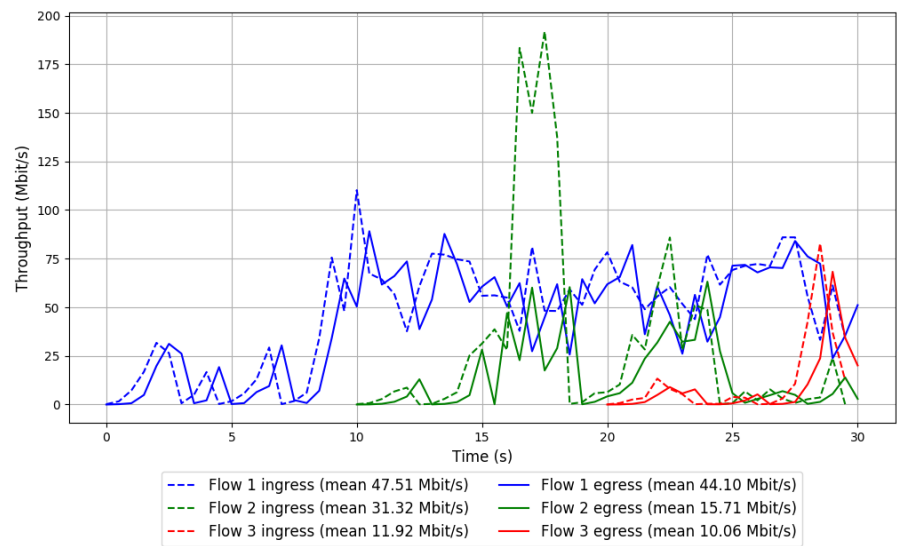


Run 1: Statistics of Verus

Start at: 2018-11-30 07:24:52
End at: 2018-11-30 07:25:22
Local clock offset: 1.119 ms
Remote clock offset: 31.891 ms

Below is generated by plot.py at 2018-11-30 09:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 220.877 ms
Loss rate: 19.64%
-- Flow 1:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 215.843 ms
Loss rate: 6.94%
-- Flow 2:
Average throughput: 15.71 Mbit/s
95th percentile per-packet one-way delay: 227.101 ms
Loss rate: 49.69%
-- Flow 3:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 215.631 ms
Loss rate: 15.20%

Run 1: Report of Verus — Data Link

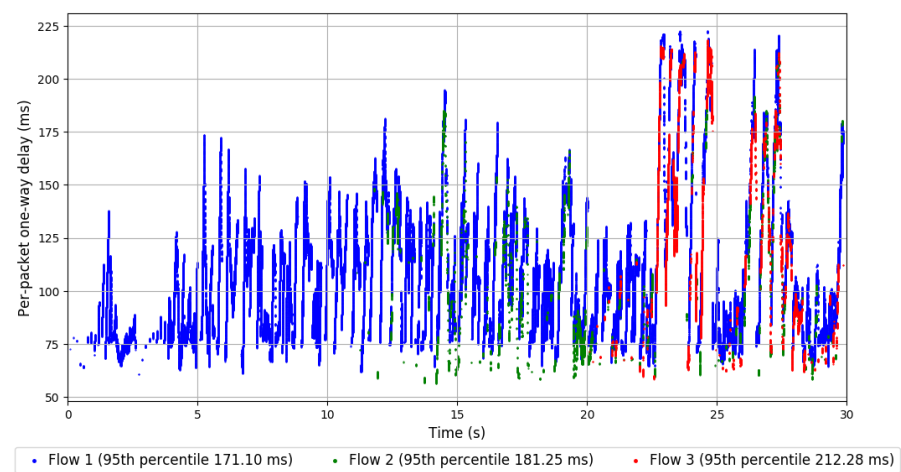
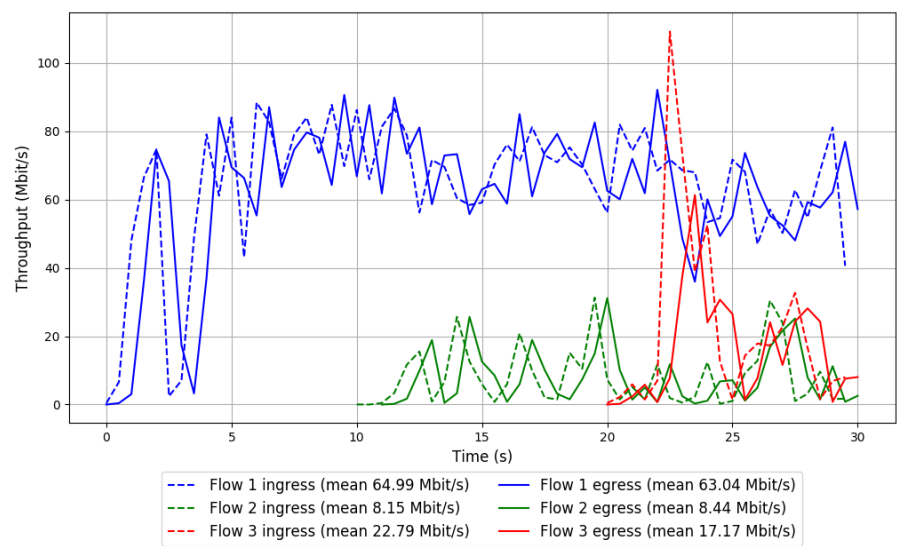


Run 2: Statistics of Verus

Start at: 2018-11-30 07:53:12
End at: 2018-11-30 07:53:42
Local clock offset: 1.154 ms
Remote clock offset: 14.346 ms

Below is generated by plot.py at 2018-11-30 09:27:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.96 Mbit/s
95th percentile per-packet one-way delay: 181.667 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 63.04 Mbit/s
95th percentile per-packet one-way delay: 171.096 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 181.252 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 212.276 ms
Loss rate: 24.37%

Run 2: Report of Verus — Data Link

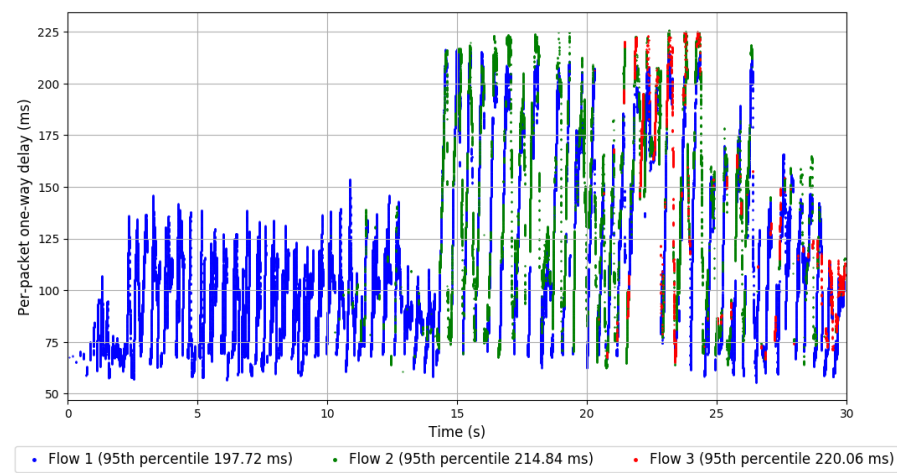
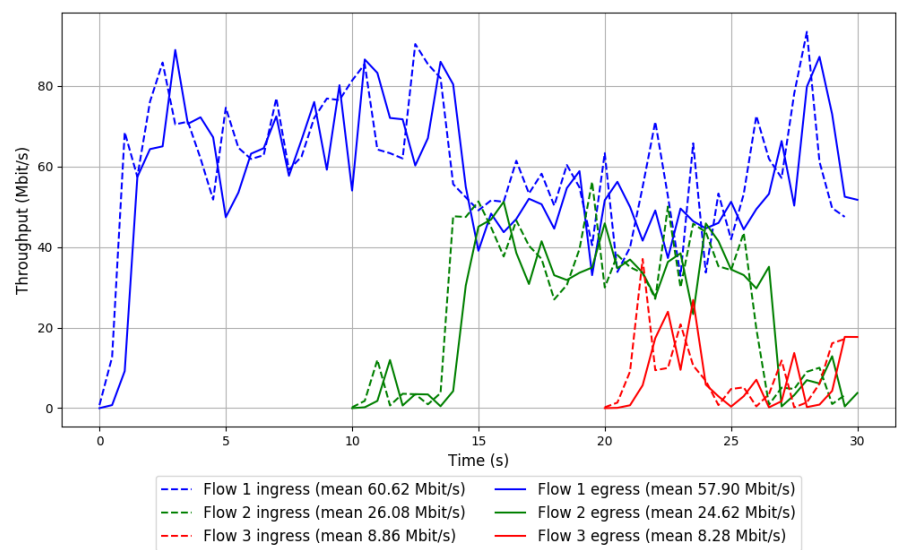


Run 3: Statistics of Verus

Start at: 2018-11-30 08:17:50
End at: 2018-11-30 08:18:20
Local clock offset: 0.769 ms
Remote clock offset: 44.286 ms

Below is generated by plot.py at 2018-11-30 09:27:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.86 Mbit/s
95th percentile per-packet one-way delay: 204.536 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 197.721 ms
Loss rate: 4.41%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 214.838 ms
Loss rate: 5.64%
-- Flow 3:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 220.059 ms
Loss rate: 7.51%

Run 3: Report of Verus — Data Link

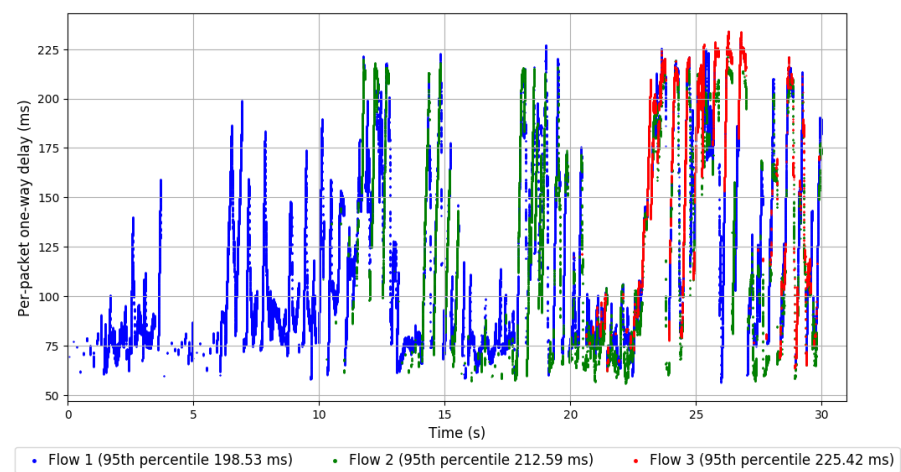
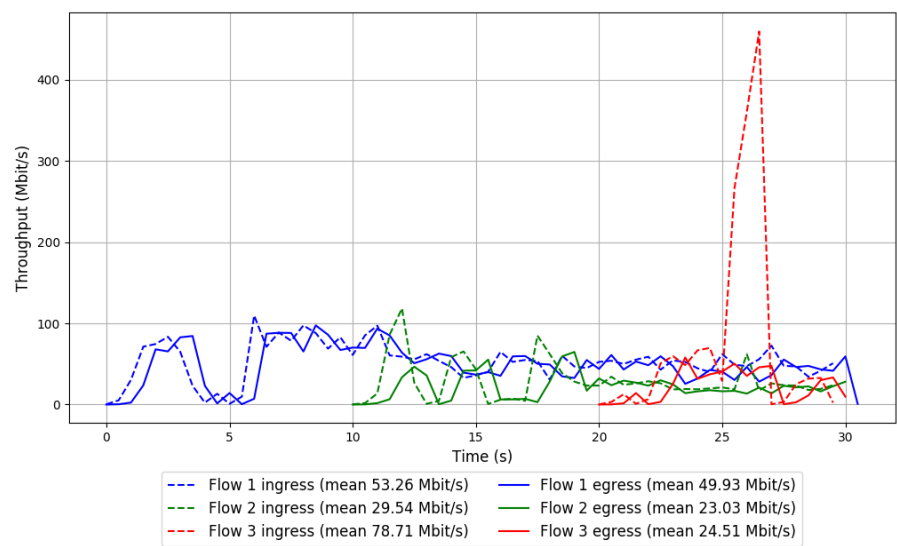


Run 4: Statistics of Verus

Start at: 2018-11-30 08:43:08
End at: 2018-11-30 08:43:38
Local clock offset: 0.879 ms
Remote clock offset: 23.916 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.19 Mbit/s
95th percentile per-packet one-way delay: 213.552 ms
Loss rate: 25.42%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 198.525 ms
Loss rate: 5.90%
-- Flow 2:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 212.587 ms
Loss rate: 21.79%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 225.423 ms
Loss rate: 68.70%

Run 4: Report of Verus — Data Link

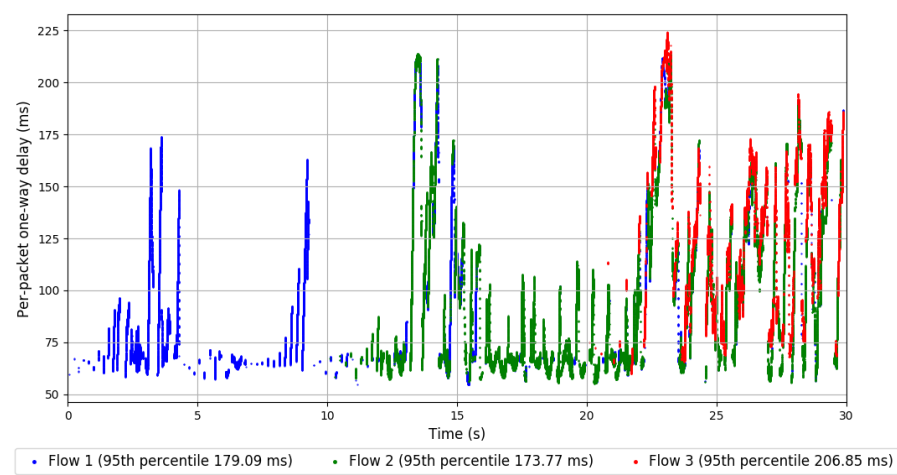
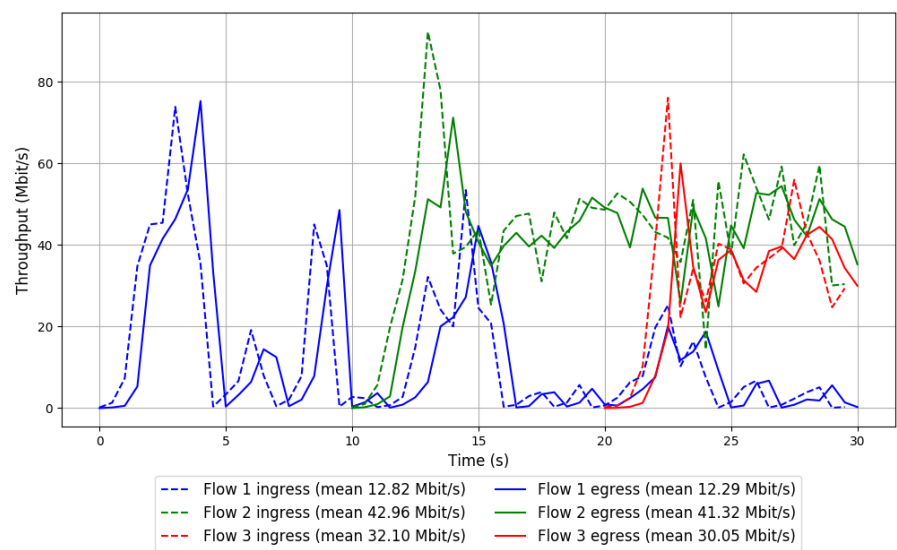


Run 5: Statistics of Verus

Start at: 2018-11-30 09:07:54
End at: 2018-11-30 09:08:24
Local clock offset: 0.871 ms
Remote clock offset: 27.367 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 185.560 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 179.095 ms
Loss rate: 3.66%
-- Flow 2:
Average throughput: 41.32 Mbit/s
95th percentile per-packet one-way delay: 173.769 ms
Loss rate: 3.57%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 206.854 ms
Loss rate: 5.34%

Run 5: Report of Verus — Data Link

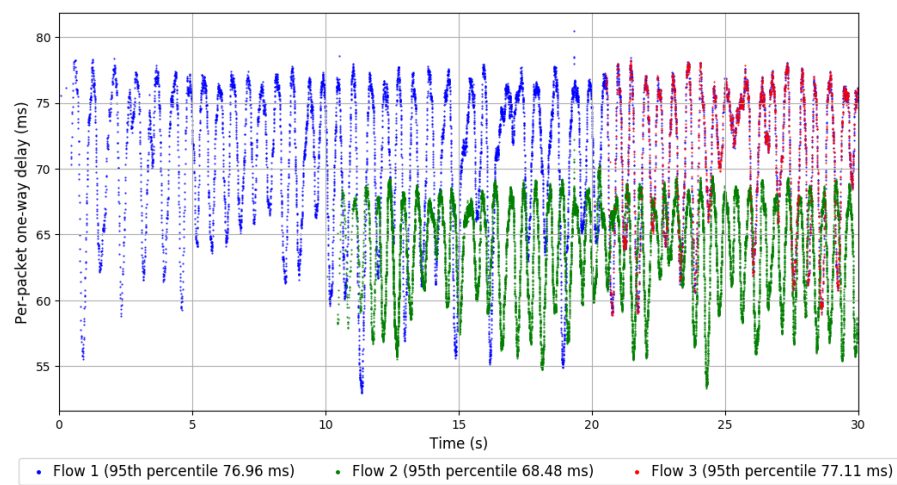
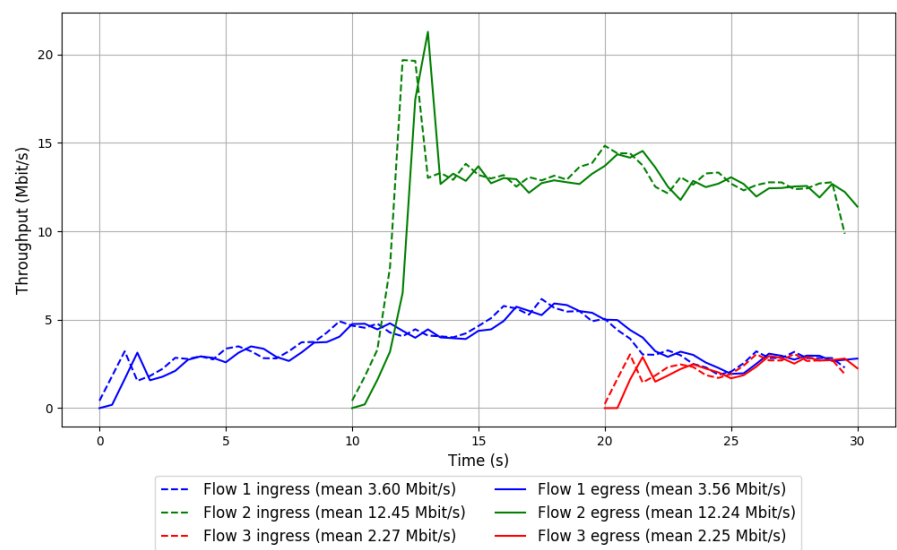


Run 1: Statistics of PCC-Vivace

Start at: 2018-11-30 07:14:21
End at: 2018-11-30 07:14:51
Local clock offset: 0.042 ms
Remote clock offset: 40.545 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 76.250 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 76.961 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 12.24 Mbit/s
95th percentile per-packet one-way delay: 68.476 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 77.105 ms
Loss rate: 0.96%

Run 1: Report of PCC-Vivace — Data Link

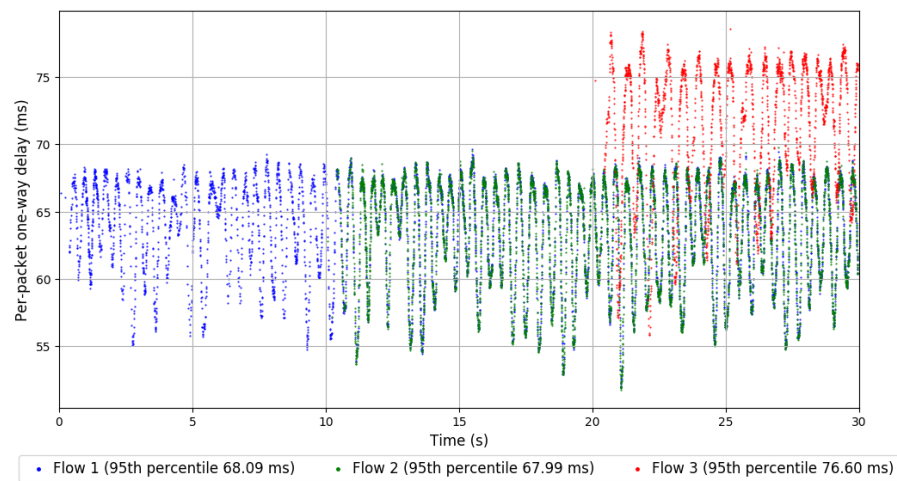
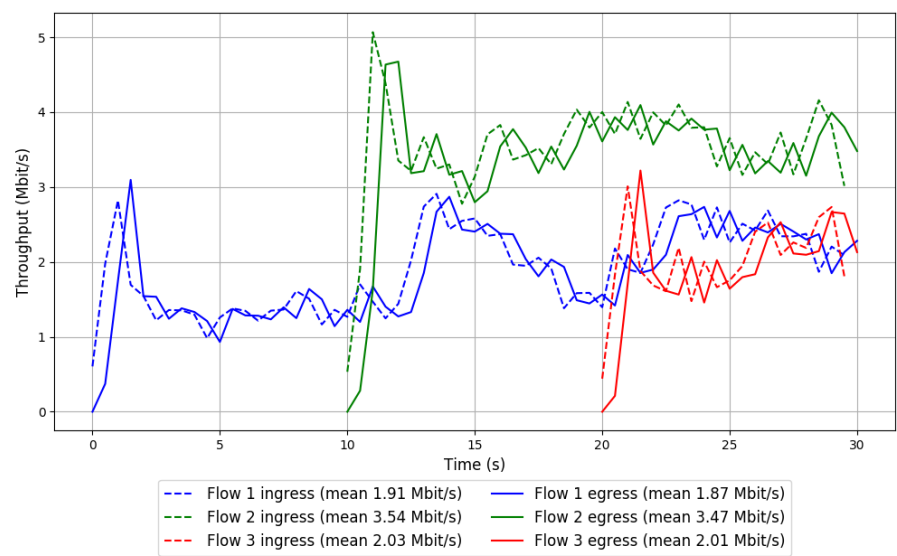


Run 2: Statistics of PCC-Vivace

Start at: 2018-11-30 07:42:55
End at: 2018-11-30 07:43:25
Local clock offset: 2.002 ms
Remote clock offset: 14.507 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 74.920 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 68.087 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 67.986 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 76.596 ms
Loss rate: 1.11%

Run 2: Report of PCC-Vivace — Data Link

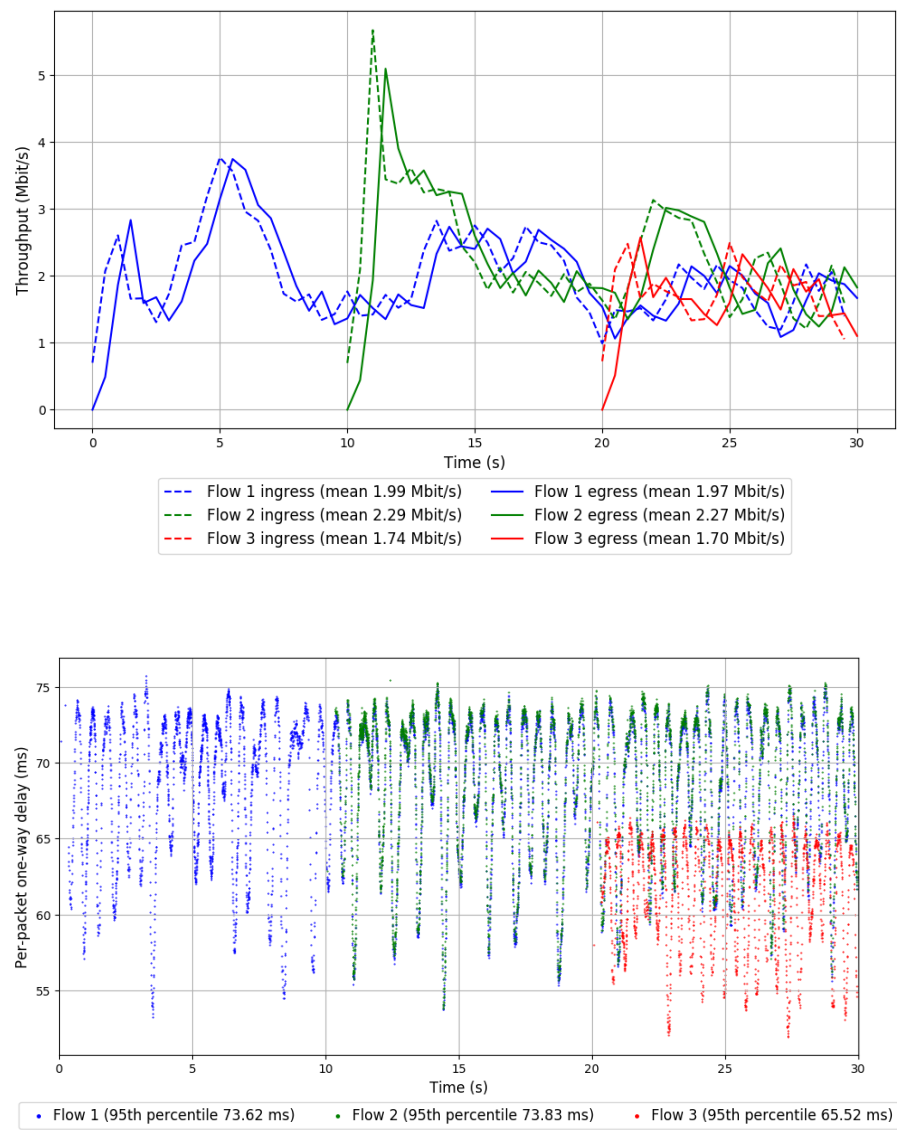


Run 3: Statistics of PCC-Vivace

Start at: 2018-11-30 08:07:40
End at: 2018-11-30 08:08:10
Local clock offset: 0.62 ms
Remote clock offset: 35.633 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 73.629 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 73.625 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 73.833 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 65.515 ms
Loss rate: 2.11%

Run 3: Report of PCC-Vivace — Data Link

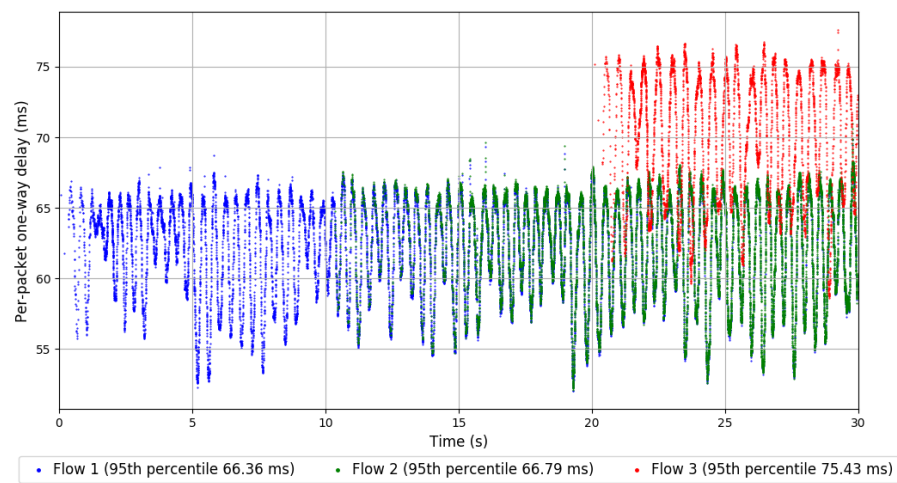
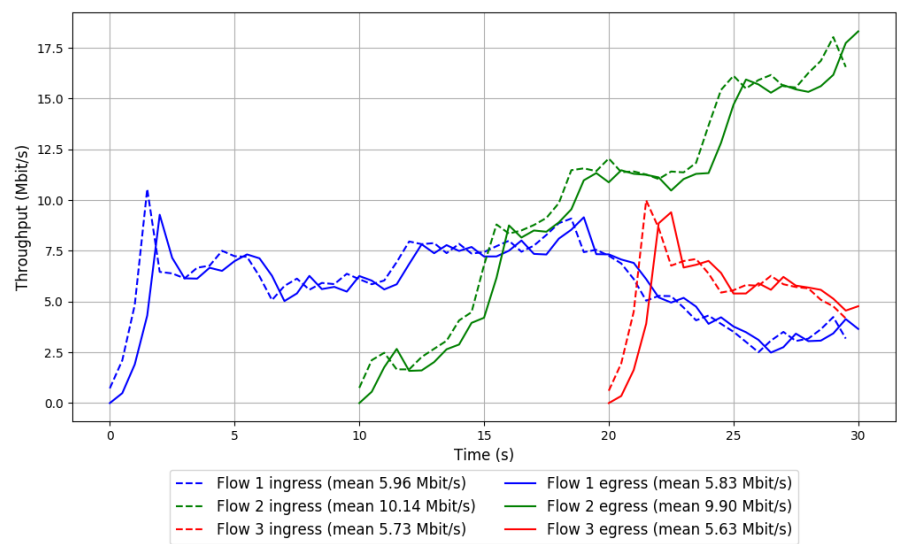


Run 4: Statistics of PCC-Vivace

Start at: 2018-11-30 08:32:57
End at: 2018-11-30 08:33:27
Local clock offset: 0.861 ms
Remote clock offset: 31.176 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 73.105 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 5.83 Mbit/s
95th percentile per-packet one-way delay: 66.362 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 9.90 Mbit/s
95th percentile per-packet one-way delay: 66.792 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 5.63 Mbit/s
95th percentile per-packet one-way delay: 75.429 ms
Loss rate: 1.74%

Run 4: Report of PCC-Vivace — Data Link

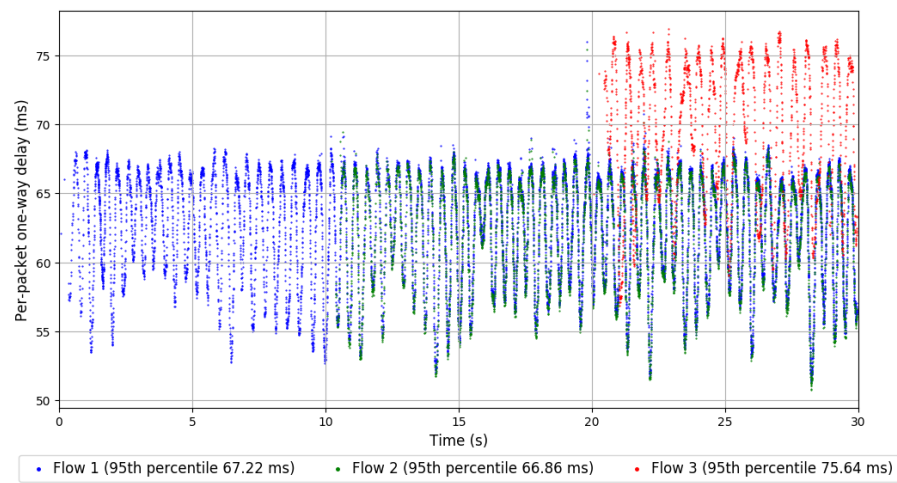
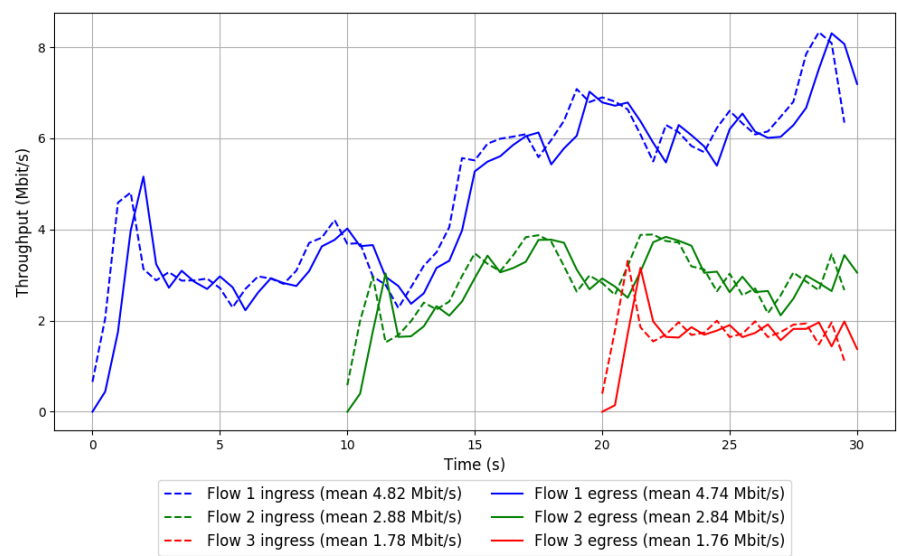


Run 5: Statistics of PCC-Vivace

Start at: 2018-11-30 08:57:29
End at: 2018-11-30 08:57:59
Local clock offset: 0.984 ms
Remote clock offset: 15.996 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 70.553 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 67.216 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 66.858 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 75.639 ms
Loss rate: 1.01%

Run 5: Report of PCC-Vivace — Data Link

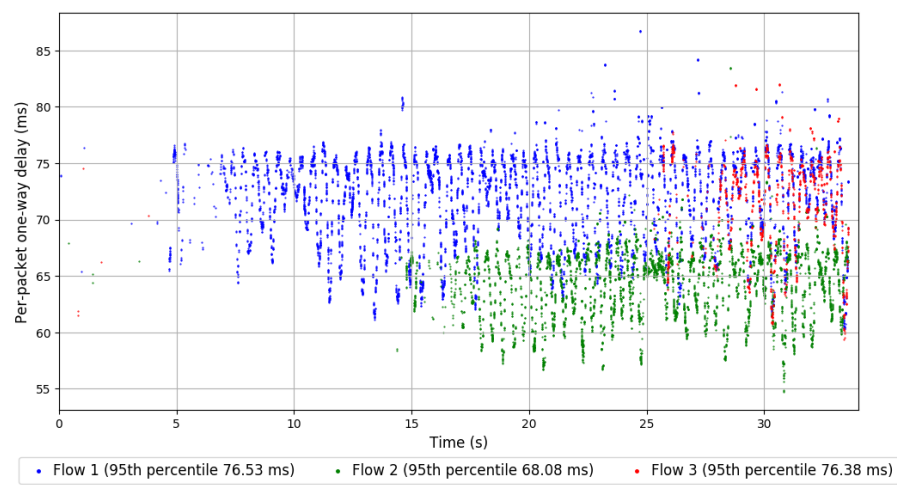
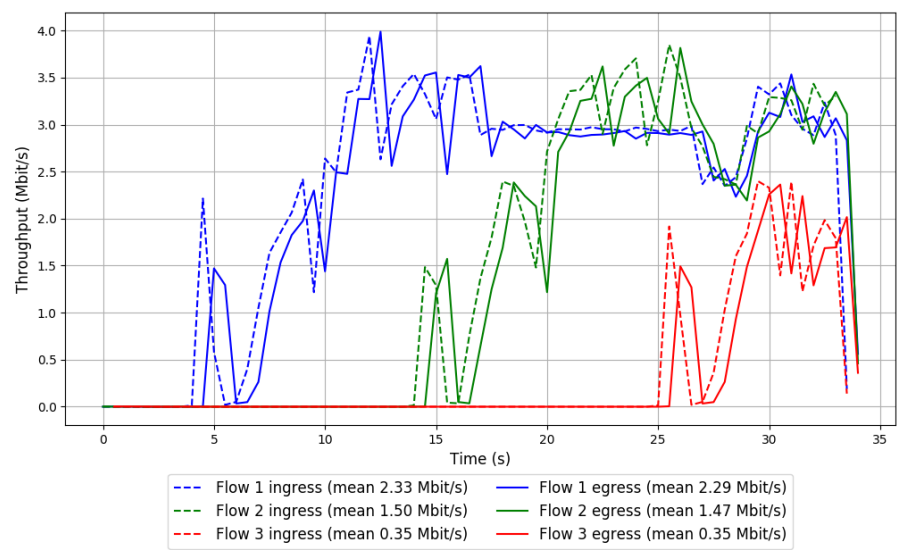


Run 1: Statistics of WebRTC media

Start at: 2018-11-30 07:37:06
End at: 2018-11-30 07:37:36
Local clock offset: 1.828 ms
Remote clock offset: 16.395 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 76.170 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 76.525 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 68.079 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 76.383 ms
Loss rate: 1.93%

Run 1: Report of WebRTC media — Data Link

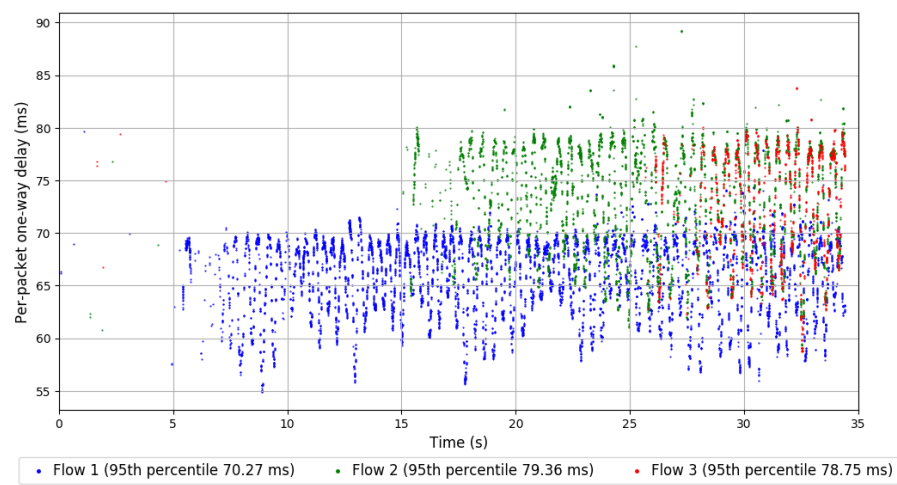
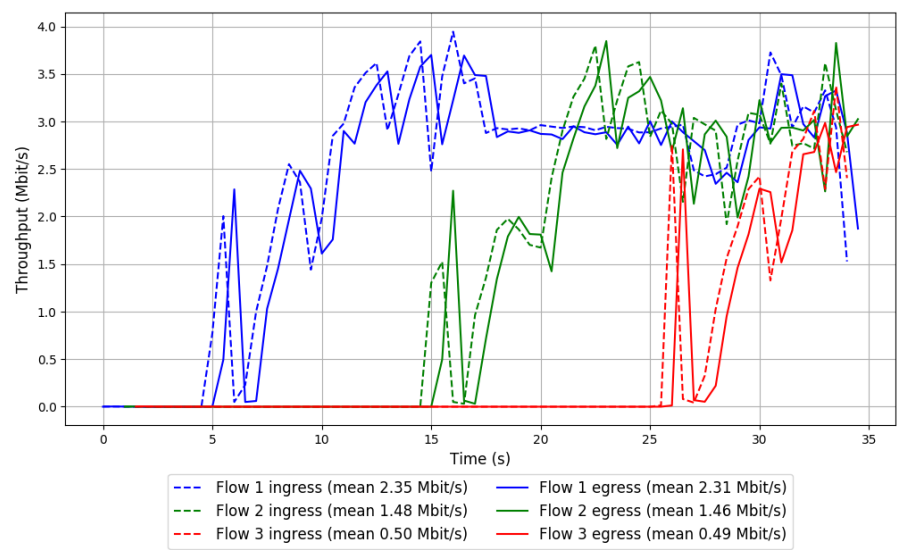


Run 2: Statistics of WebRTC media

Start at: 2018-11-30 08:05:10
End at: 2018-11-30 08:05:40
Local clock offset: 0.678 ms
Remote clock offset: 37.854 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 78.601 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 70.267 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 79.362 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 78.755 ms
Loss rate: 1.55%

Run 2: Report of WebRTC media — Data Link

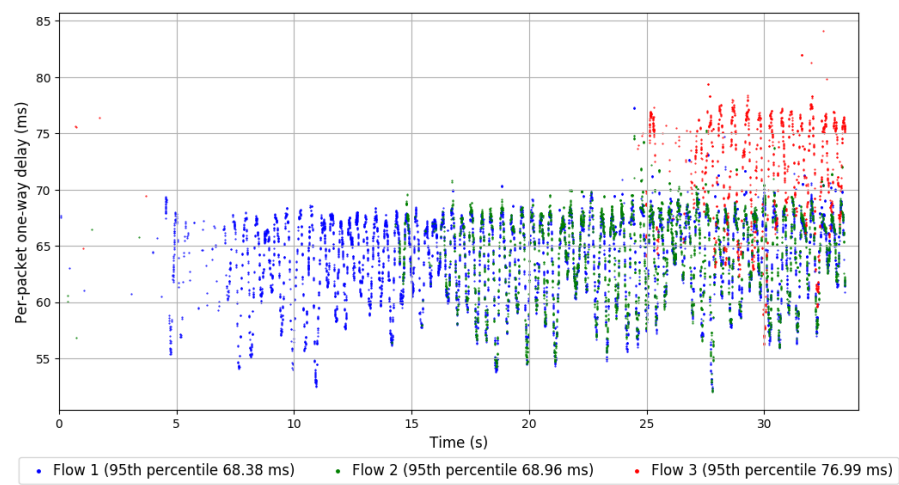
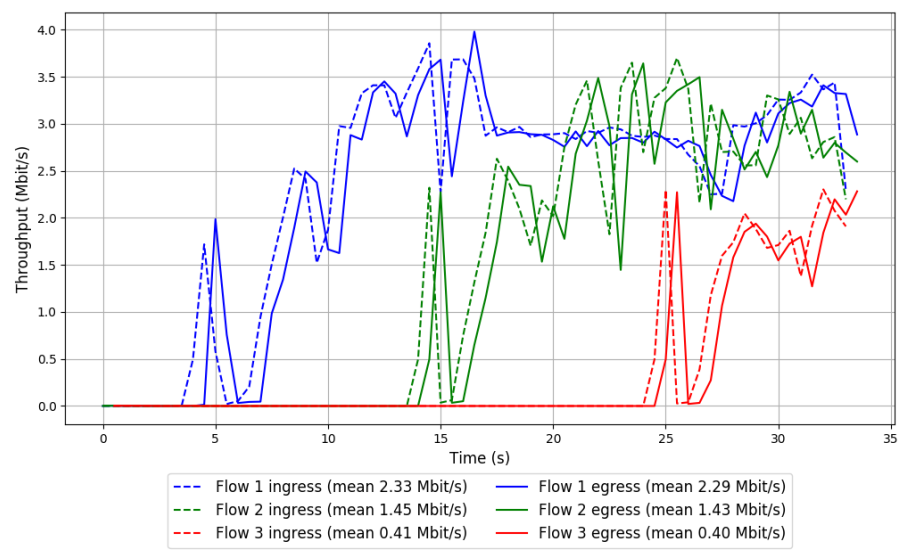


Run 3: Statistics of WebRTC media

Start at: 2018-11-30 08:30:26
End at: 2018-11-30 08:30:56
Local clock offset: 0.873 ms
Remote clock offset: 36.951 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 73.399 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 68.378 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 68.962 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 76.988 ms
Loss rate: 1.87%

Run 3: Report of WebRTC media — Data Link

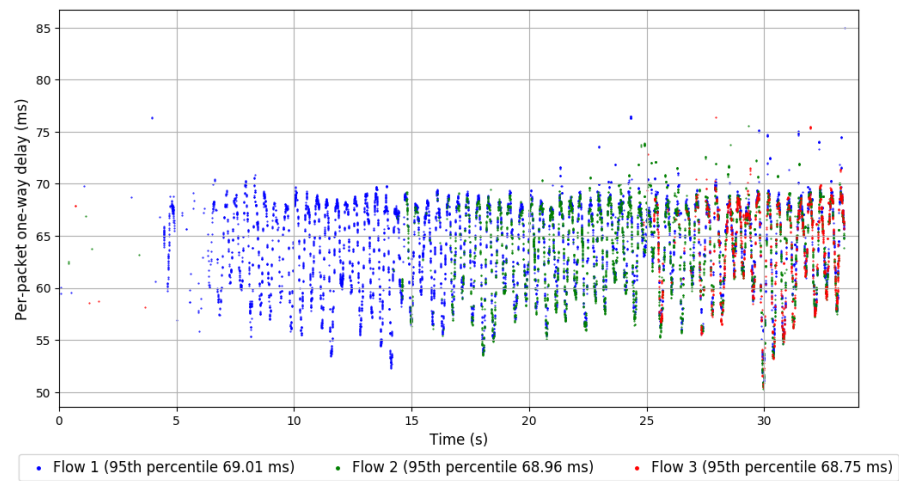
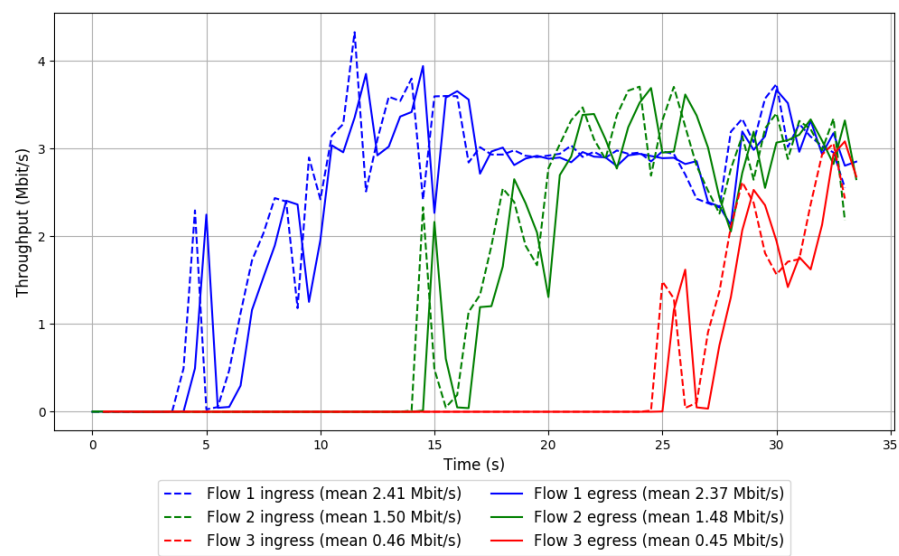


Run 4: Statistics of WebRTC media

Start at: 2018-11-30 08:54:57
End at: 2018-11-30 08:55:27
Local clock offset: 0.826 ms
Remote clock offset: 17.958 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 68.979 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 69.010 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 68.957 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 68.746 ms
Loss rate: 1.56%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-11-30 09:20:03
End at: 2018-11-30 09:20:33
Local clock offset: 1.521 ms
Remote clock offset: 35.812 ms

Below is generated by plot.py at 2018-11-30 09:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 77.027 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 77.483 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 68.976 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 68.963 ms
Loss rate: 1.86%

Run 5: Report of WebRTC media — Data Link

