

Pantheon Report

Generated at 2018-08-22 22:46:38 (UTC).

Data path: India Ethernet (*remote*) → AWS India 1 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

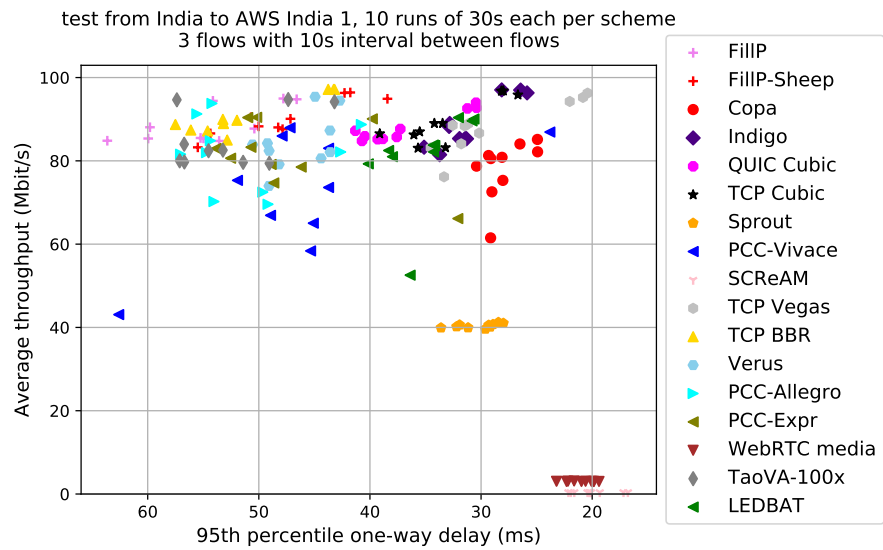
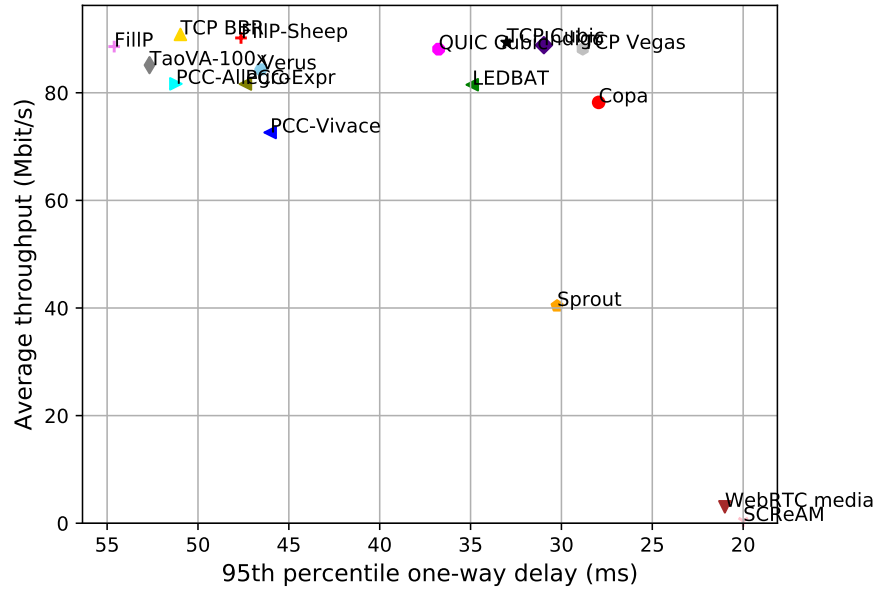
System info:

```
Linux 4.15.0-1017-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from India to AWS India 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



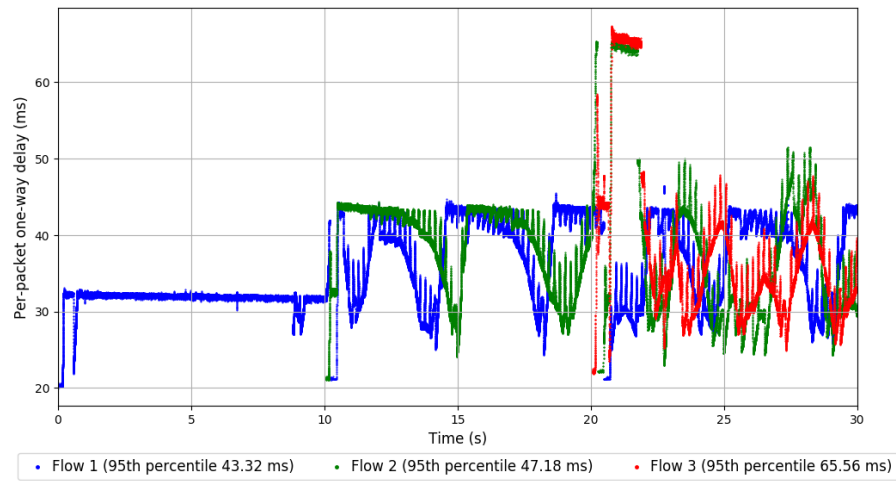
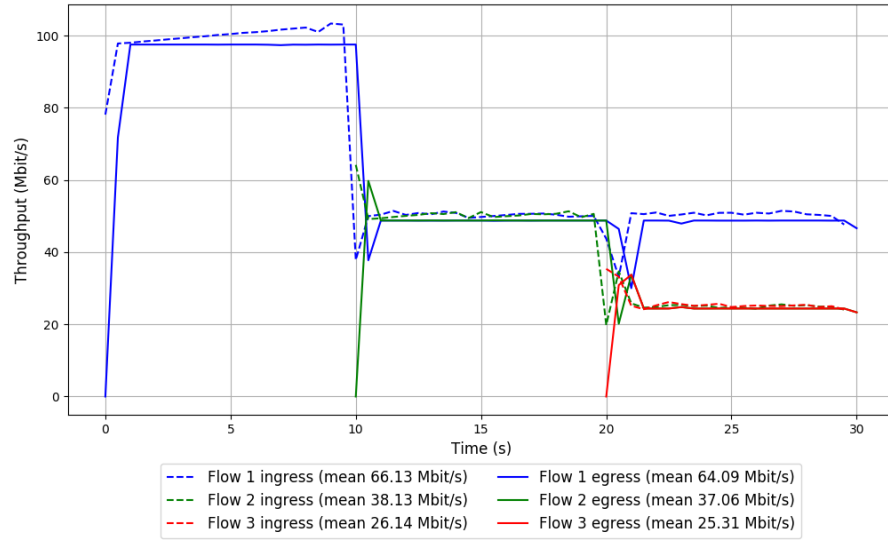
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	55.57	38.22	29.62	49.14	52.05	61.70	4.13	4.82	4.65
Copa	10	47.08	33.94	25.72	27.81	28.38	26.74	0.05	0.10	0.27
TCP Cubic	10	54.46	35.94	32.99	32.22	34.12	34.14	0.07	0.14	0.33
FillP	10	53.91	39.71	24.83	51.32	48.41	64.32	2.65	4.34	7.14
FillP-Sheep	10	55.17	37.44	30.53	44.42	52.42	52.66	1.99	2.63	1.19
Indigo	10	53.16	39.12	29.44	30.19	30.44	33.93	0.06	0.12	0.31
LEDBAT	10	45.95	37.31	32.24	31.98	36.74	40.62	0.07	0.17	0.37
PCC-Allegro	10	53.56	27.26	30.33	47.82	51.06	36.67	4.34	2.75	0.76
PCC-Expr	10	52.08	32.08	24.94	43.66	49.69	46.93	0.90	0.81	0.70
QUIC Cubic	10	53.48	36.47	31.43	36.18	37.30	39.13	0.11	0.20	0.47
SCReAM	10	0.21	0.21	0.22	20.04	20.00	20.13	0.12	0.19	0.32
Sprout	10	20.56	20.14	19.50	29.44	30.58	31.64	0.11	0.17	0.39
TaoVA-100x	10	49.13	38.53	31.25	48.80	50.99	56.49	0.35	0.72	1.79
TCP Vegas	10	53.74	35.92	31.74	27.93	29.92	30.32	0.05	0.11	0.29
Verus	10	50.55	35.93	29.80	44.76	49.47	54.25	0.15	0.22	0.56
PCC-Vivace	10	46.81	30.25	17.34	43.64	42.44	40.44	0.97	0.44	0.91
WebRTC media	10	1.61	1.00	0.44	20.96	21.02	21.23	0.03	0.15	0.16

Run 1: Statistics of TCP BBR

Start at: 2018-08-22 19:03:51
End at: 2018-08-22 19:04:21
Local clock offset: 2.519 ms
Remote clock offset: -63.943 ms

Below is generated by plot.py at 2018-08-22 22:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 43.755 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 64.09 Mbit/s
95th percentile per-packet one-way delay: 43.318 ms
Loss rate: 3.20%
-- Flow 2:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 47.177 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 25.31 Mbit/s
95th percentile per-packet one-way delay: 65.557 ms
Loss rate: 3.48%

Run 1: Report of TCP BBR — Data Link

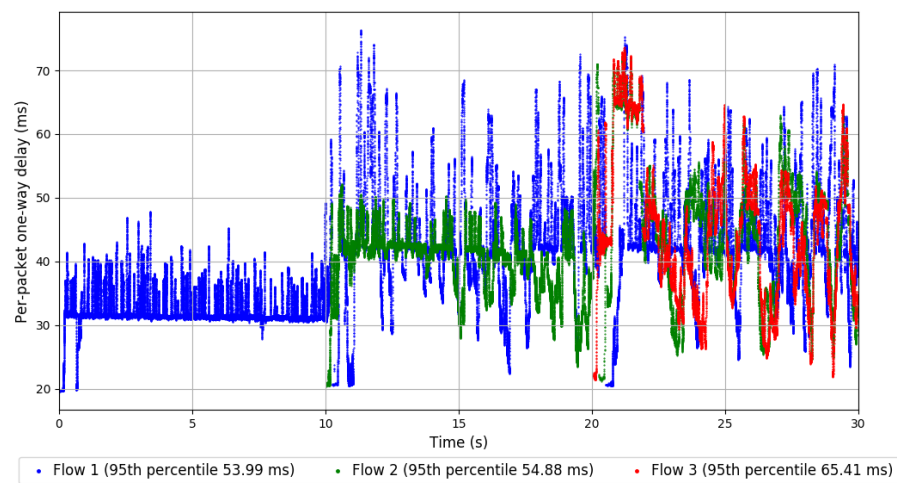
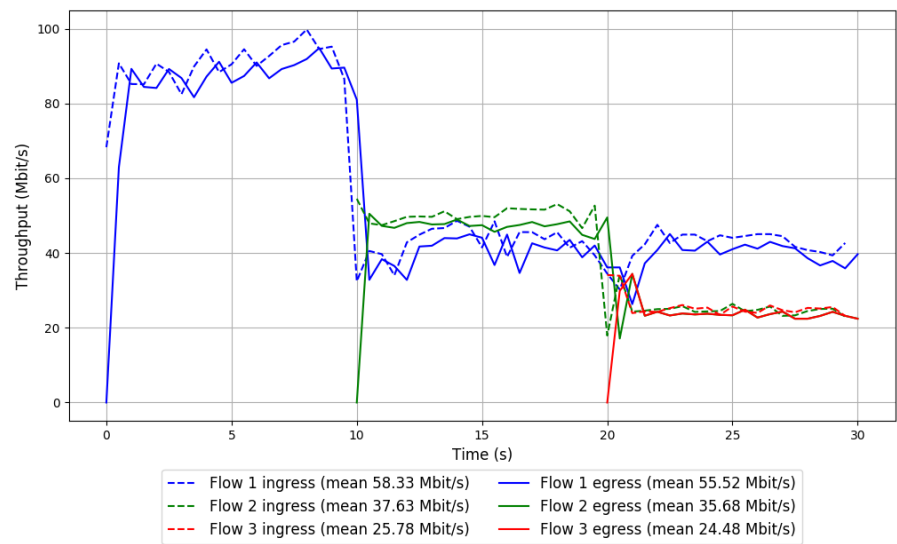


Run 2: Statistics of TCP BBR

Start at: 2018-08-22 19:24:19
End at: 2018-08-22 19:24:49
Local clock offset: 1.266 ms
Remote clock offset: -64.831 ms

Below is generated by plot.py at 2018-08-22 22:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 56.120 ms
Loss rate: 5.08%
-- Flow 1:
Average throughput: 55.52 Mbit/s
95th percentile per-packet one-way delay: 53.986 ms
Loss rate: 4.95%
-- Flow 2:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 54.882 ms
Loss rate: 5.29%
-- Flow 3:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 65.413 ms
Loss rate: 5.32%

Run 2: Report of TCP BBR — Data Link

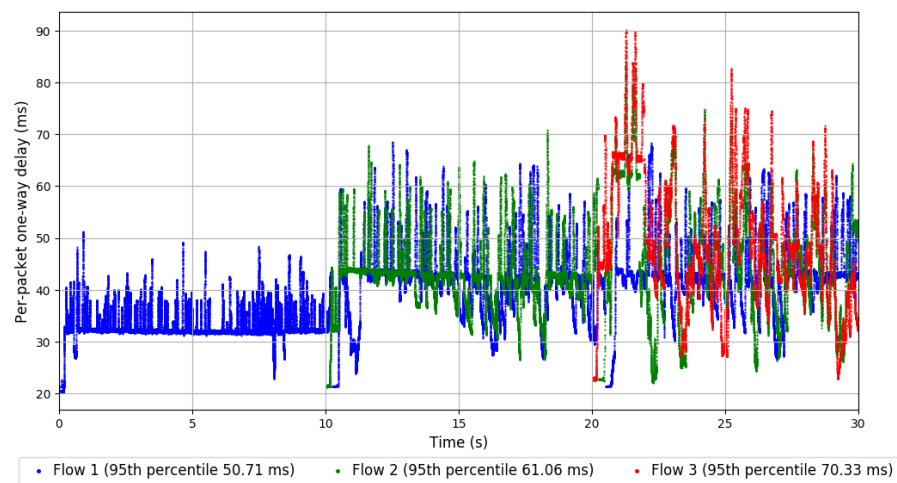
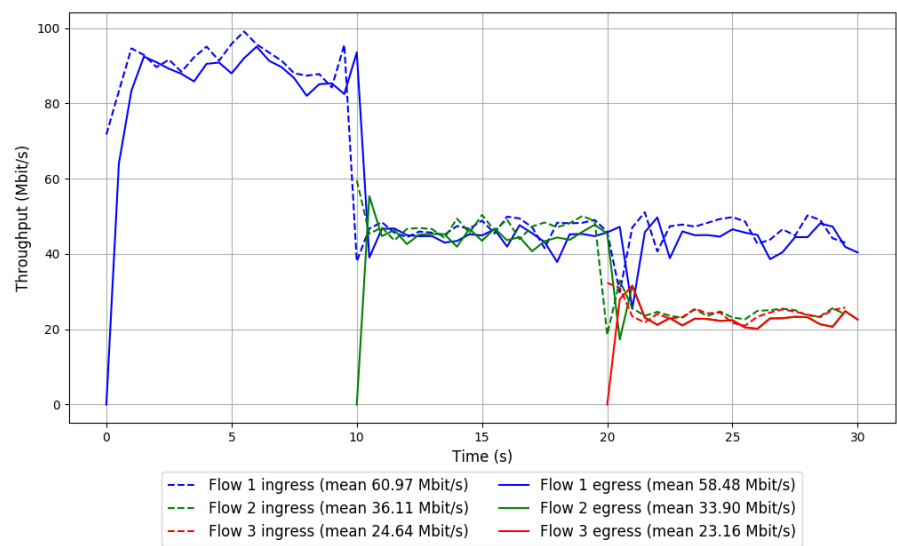


Run 3: Statistics of TCP BBR

Start at: 2018-08-22 19:44:19
End at: 2018-08-22 19:44:49
Local clock offset: 1.855 ms
Remote clock offset: -65.469 ms

Below is generated by plot.py at 2018-08-22 22:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 57.507 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 50.706 ms
Loss rate: 4.18%
-- Flow 2:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 61.061 ms
Loss rate: 6.25%
-- Flow 3:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 70.328 ms
Loss rate: 6.29%

Run 3: Report of TCP BBR — Data Link

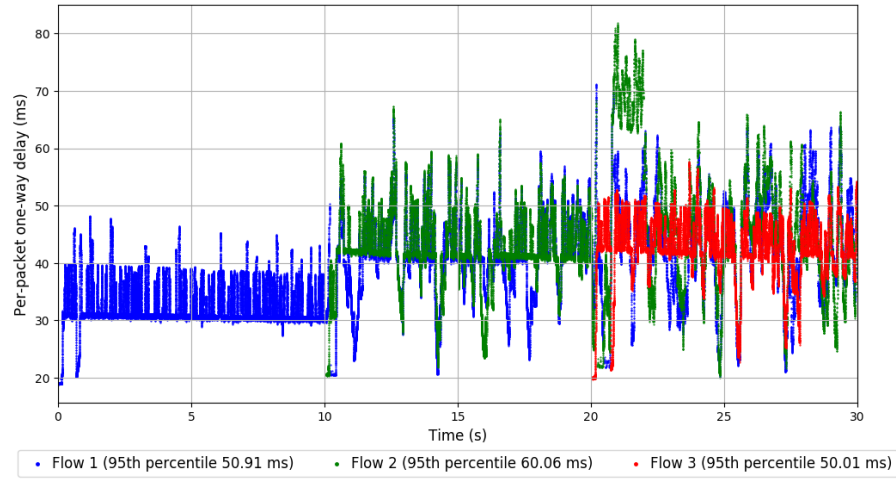
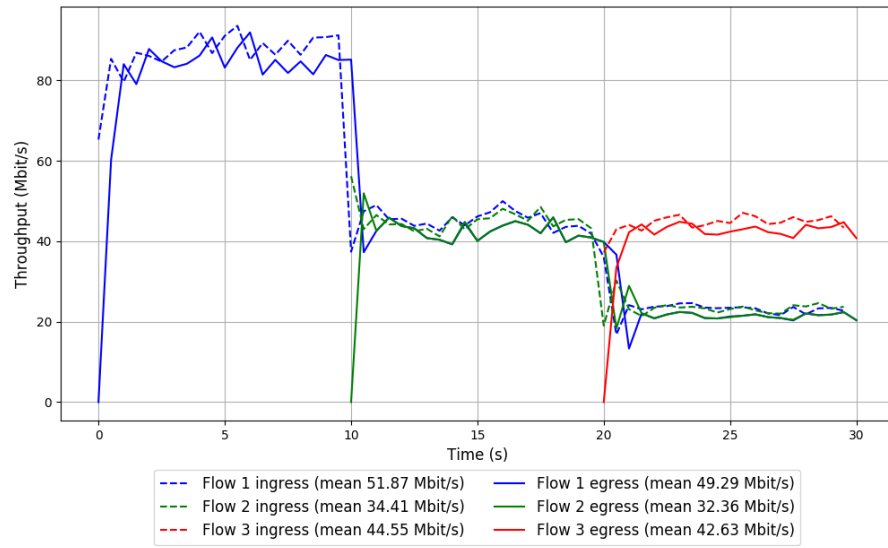


Run 4: Statistics of TCP BBR

Start at: 2018-08-22 20:04:24
End at: 2018-08-22 20:04:54
Local clock offset: 0.682 ms
Remote clock offset: -63.573 ms

Below is generated by plot.py at 2018-08-22 22:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 52.844 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 50.907 ms
Loss rate: 5.04%
-- Flow 2:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 60.063 ms
Loss rate: 6.08%
-- Flow 3:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 50.010 ms
Loss rate: 4.64%

Run 4: Report of TCP BBR — Data Link

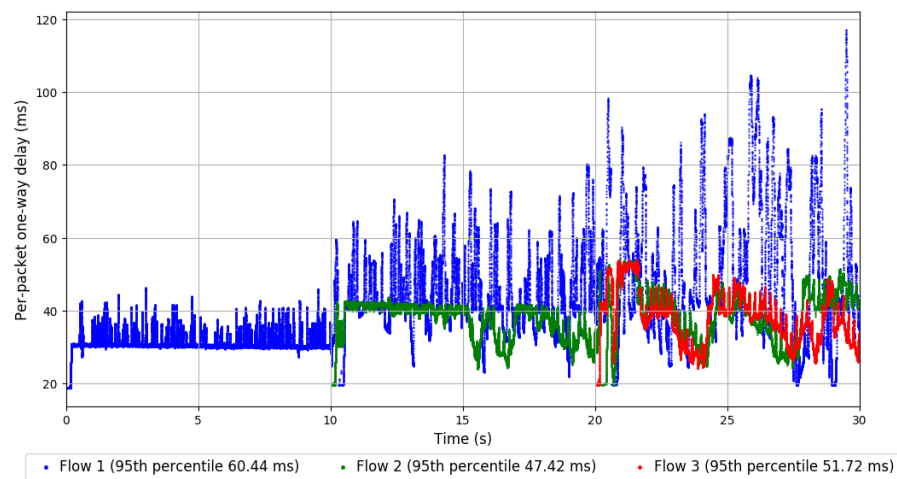
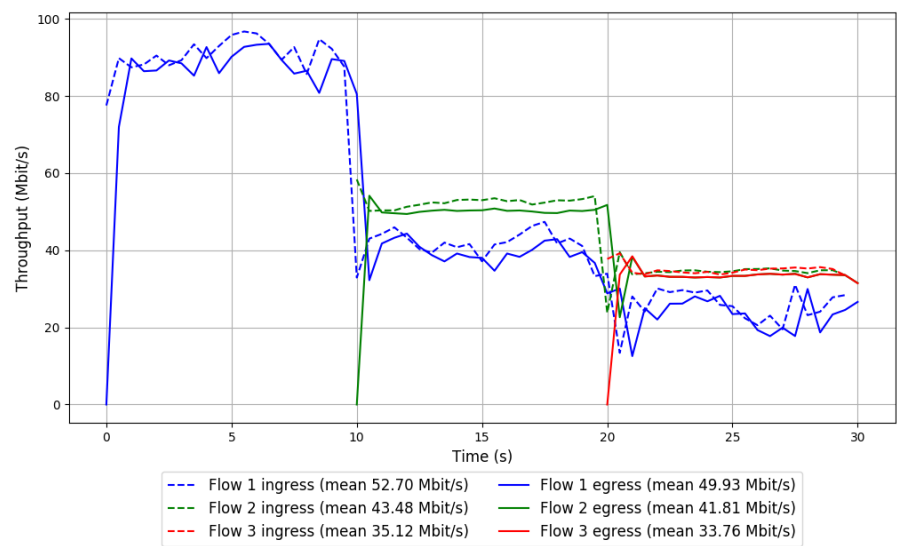


Run 5: Statistics of TCP BBR

Start at: 2018-08-22 20:24:14
End at: 2018-08-22 20:24:44
Local clock offset: 0.036 ms
Remote clock offset: -63.89 ms

Below is generated by plot.py at 2018-08-22 22:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 53.181 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 60.443 ms
Loss rate: 5.34%
-- Flow 2:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 47.423 ms
Loss rate: 3.99%
-- Flow 3:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 51.720 ms
Loss rate: 4.14%

Run 5: Report of TCP BBR — Data Link

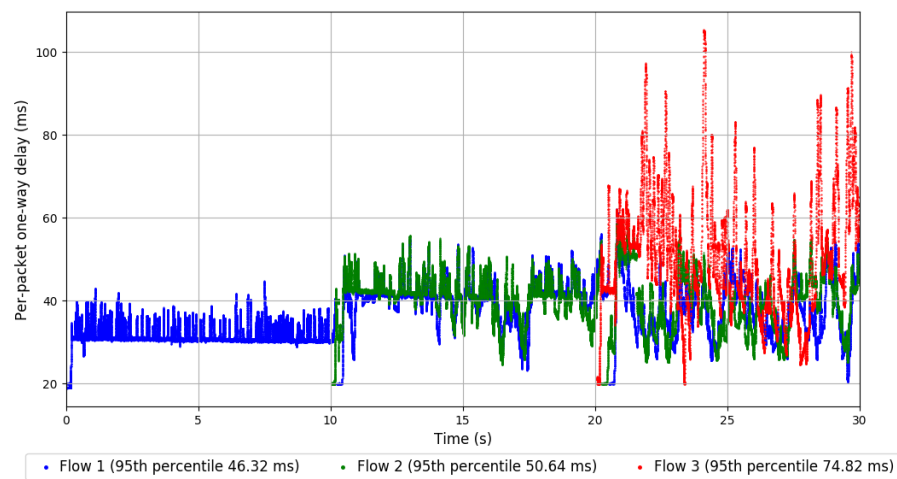
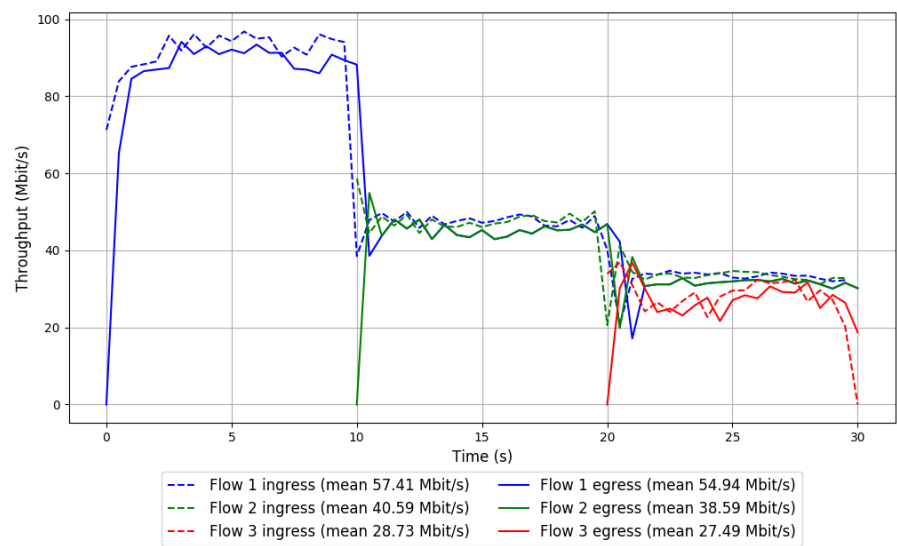


Run 6: Statistics of TCP BBR

Start at: 2018-08-22 20:44:01
End at: 2018-08-22 20:44:31
Local clock offset: 1.106 ms
Remote clock offset: -64.64 ms

Below is generated by plot.py at 2018-08-22 22:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 51.967 ms
Loss rate: 4.62%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 46.317 ms
Loss rate: 4.39%
-- Flow 2:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 50.638 ms
Loss rate: 5.06%
-- Flow 3:
Average throughput: 27.49 Mbit/s
95th percentile per-packet one-way delay: 74.820 ms
Loss rate: 4.83%

Run 6: Report of TCP BBR — Data Link

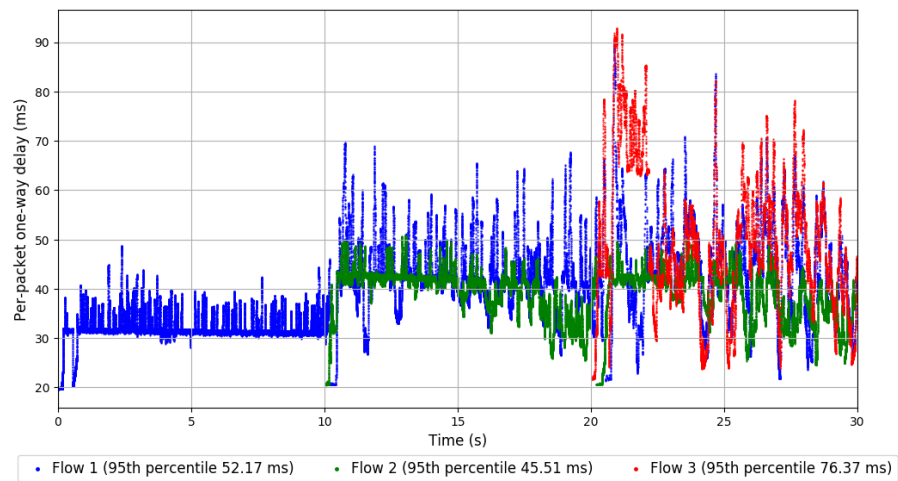
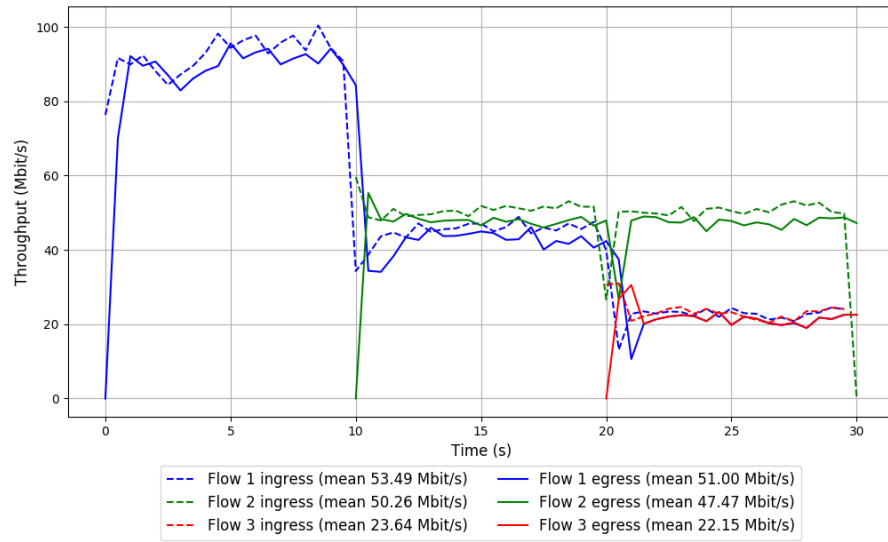


Run 7: Statistics of TCP BBR

Start at: 2018-08-22 21:04:21
End at: 2018-08-22 21:04:51
Local clock offset: 2.721 ms
Remote clock offset: -64.721 ms

Below is generated by plot.py at 2018-08-22 22:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 53.236 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 51.00 Mbit/s
95th percentile per-packet one-way delay: 52.171 ms
Loss rate: 4.72%
-- Flow 2:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 45.508 ms
Loss rate: 5.75%
-- Flow 3:
Average throughput: 22.15 Mbit/s
95th percentile per-packet one-way delay: 76.373 ms
Loss rate: 6.52%

Run 7: Report of TCP BBR — Data Link

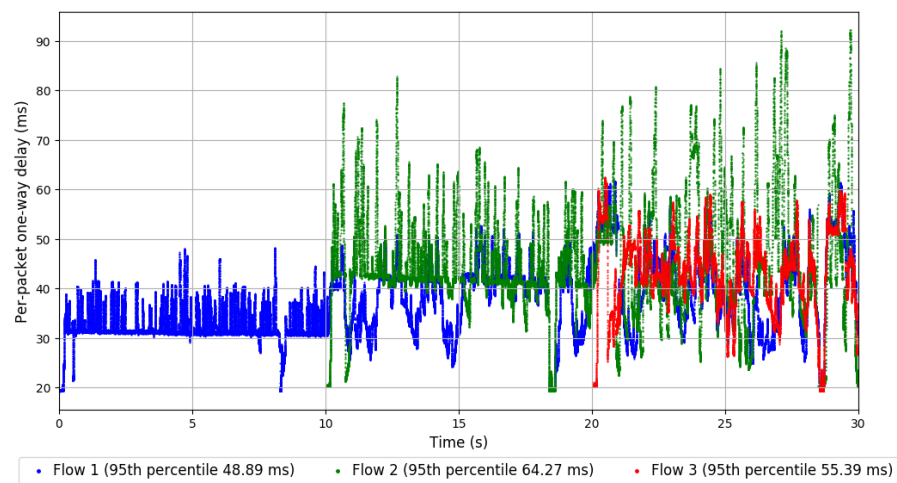
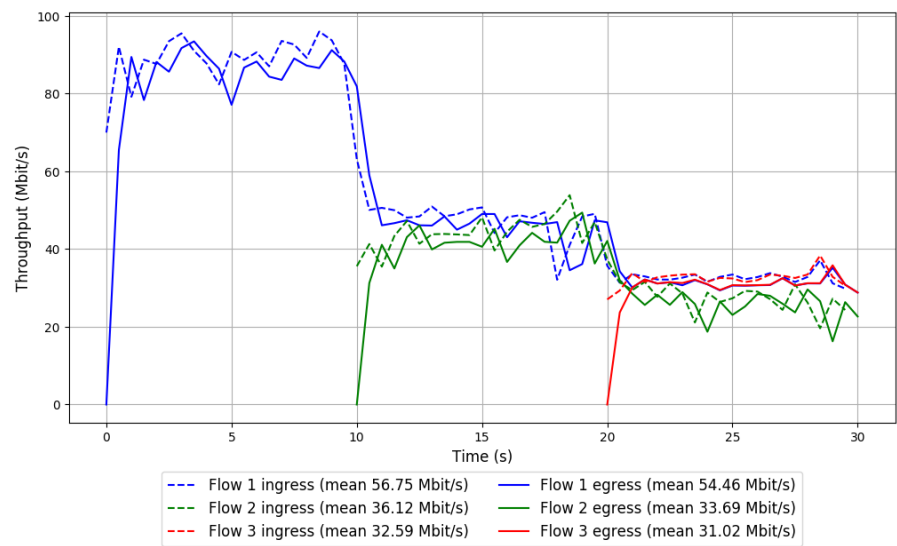


Run 8: Statistics of TCP BBR

Start at: 2018-08-22 21:24:27
End at: 2018-08-22 21:24:57
Local clock offset: 0.416 ms
Remote clock offset: -65.217 ms

Below is generated by plot.py at 2018-08-22 22:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 54.610 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 54.46 Mbit/s
95th percentile per-packet one-way delay: 48.894 ms
Loss rate: 4.12%
-- Flow 2:
Average throughput: 33.69 Mbit/s
95th percentile per-packet one-way delay: 64.274 ms
Loss rate: 6.83%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 55.389 ms
Loss rate: 5.05%

Run 8: Report of TCP BBR — Data Link

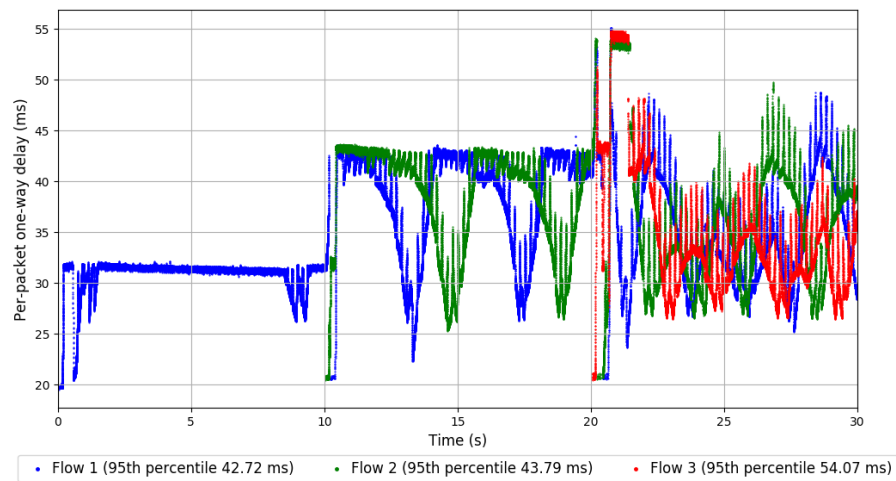
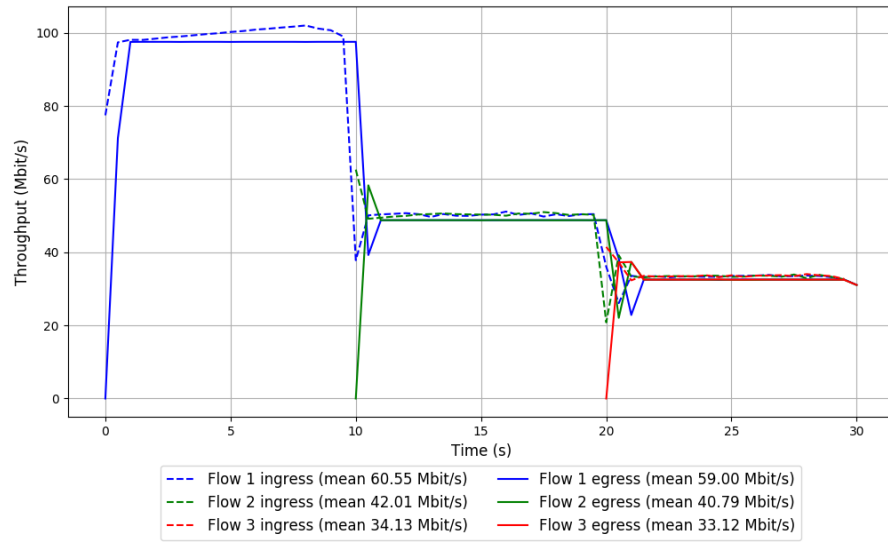


Run 9: Statistics of TCP BBR

Start at: 2018-08-22 21:44:44
End at: 2018-08-22 21:45:14
Local clock offset: 2.674 ms
Remote clock offset: -62.882 ms

Below is generated by plot.py at 2018-08-22 22:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 43.187 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 42.715 ms
Loss rate: 2.64%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 43.786 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 54.070 ms
Loss rate: 3.24%

Run 9: Report of TCP BBR — Data Link

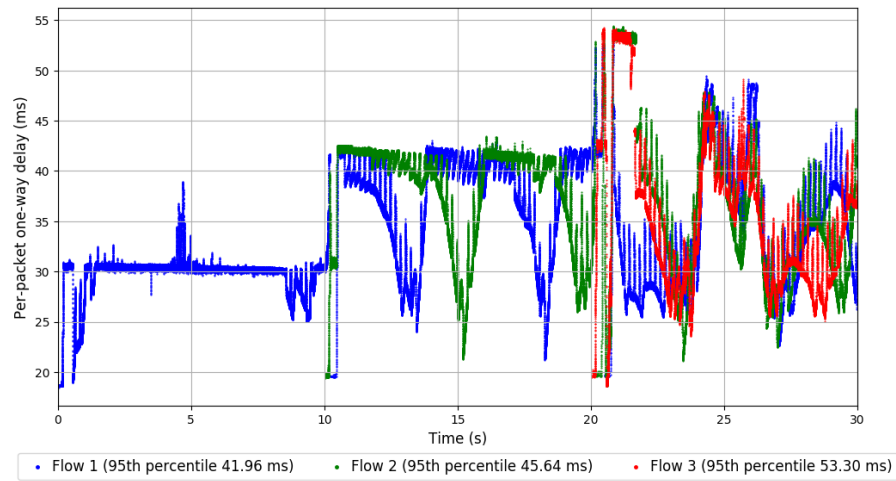
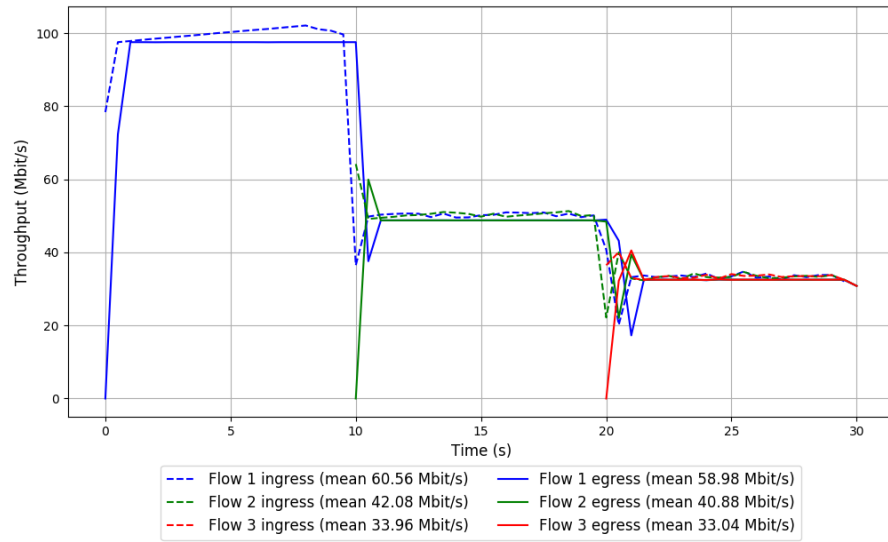


Run 10: Statistics of TCP BBR

Start at: 2018-08-22 22:04:45
End at: 2018-08-22 22:05:15
Local clock offset: 1.773 ms
Remote clock offset: -62.788 ms

Below is generated by plot.py at 2018-08-22 22:26:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 43.261 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 41.963 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 45.644 ms
Loss rate: 2.96%
-- Flow 3:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 53.305 ms
Loss rate: 2.99%

Run 10: Report of TCP BBR — Data Link

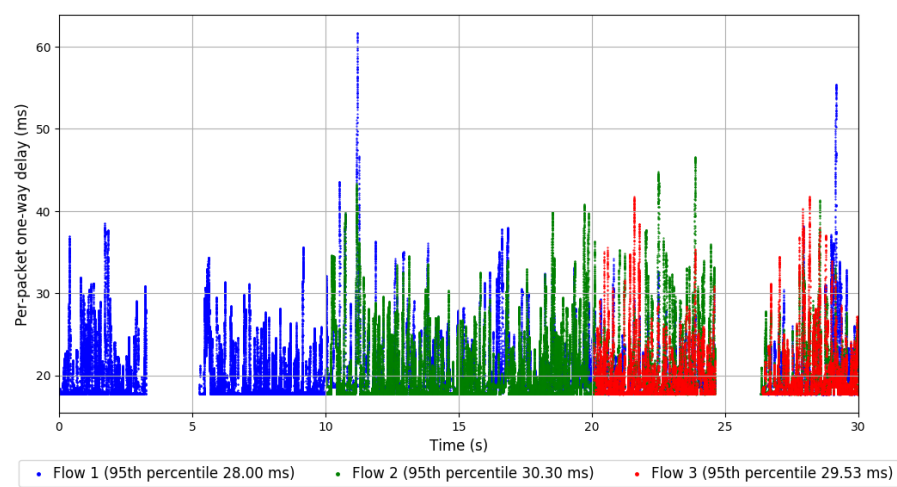
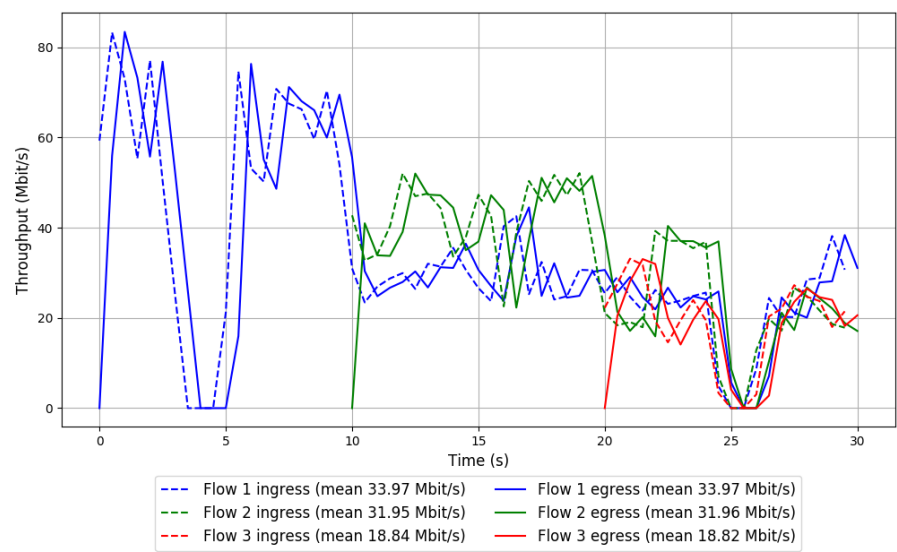


Run 1: Statistics of Copa

Start at: 2018-08-22 19:16:08
End at: 2018-08-22 19:16:38
Local clock offset: -0.195 ms
Remote clock offset: -64.023 ms

Below is generated by plot.py at 2018-08-22 22:26:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.50 Mbit/s
95th percentile per-packet one-way delay: 29.141 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 33.97 Mbit/s
95th percentile per-packet one-way delay: 28.002 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 30.303 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 18.82 Mbit/s
95th percentile per-packet one-way delay: 29.534 ms
Loss rate: 0.41%

Run 1: Report of Copa — Data Link

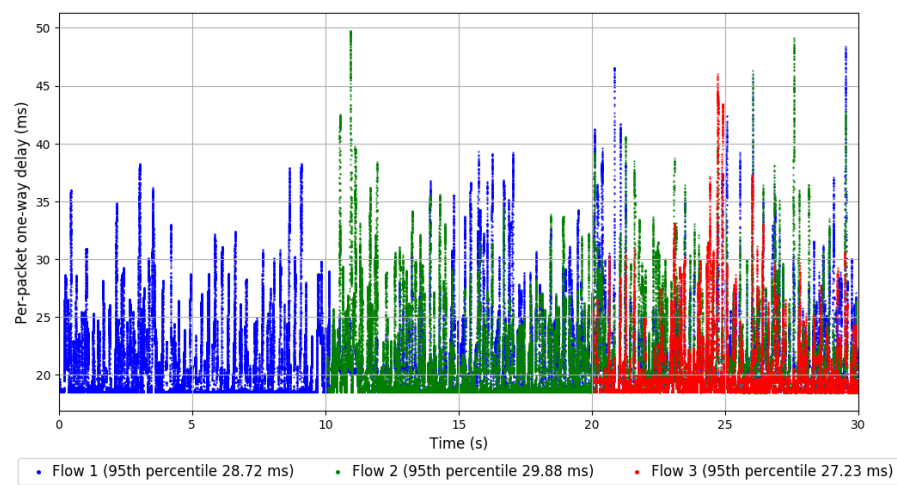
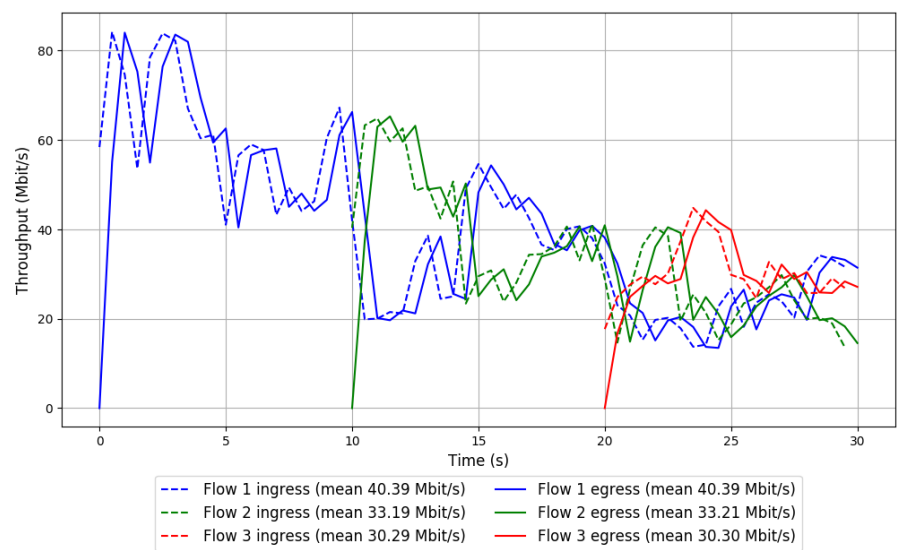


Run 2: Statistics of Copa

Start at: 2018-08-22 19:36:11
End at: 2018-08-22 19:36:41
Local clock offset: -0.051 ms
Remote clock offset: -65.116 ms

Below is generated by plot.py at 2018-08-22 22:26:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 29.024 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 28.722 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 29.882 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 30.30 Mbit/s
95th percentile per-packet one-way delay: 27.230 ms
Loss rate: 0.23%

Run 2: Report of Copa — Data Link

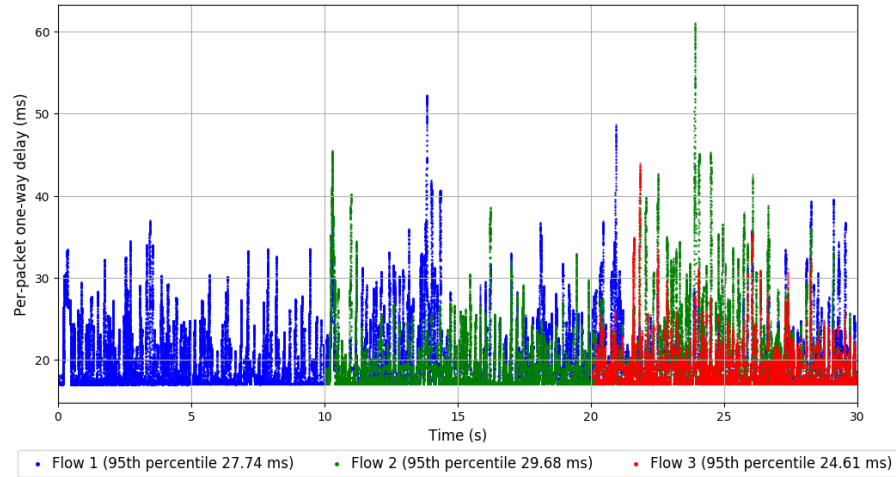
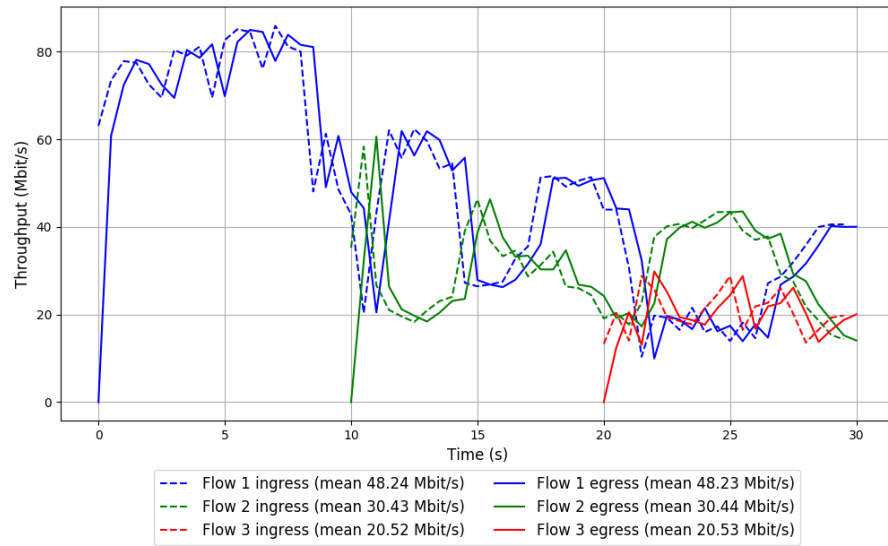


Run 3: Statistics of Copa

Start at: 2018-08-22 19:56:00
End at: 2018-08-22 19:56:30
Local clock offset: -0.431 ms
Remote clock offset: -63.287 ms

Below is generated by plot.py at 2018-08-22 22:27:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.31 Mbit/s
95th percentile per-packet one-way delay: 28.039 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 27.739 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 29.683 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 24.605 ms
Loss rate: 0.22%

Run 3: Report of Copa — Data Link

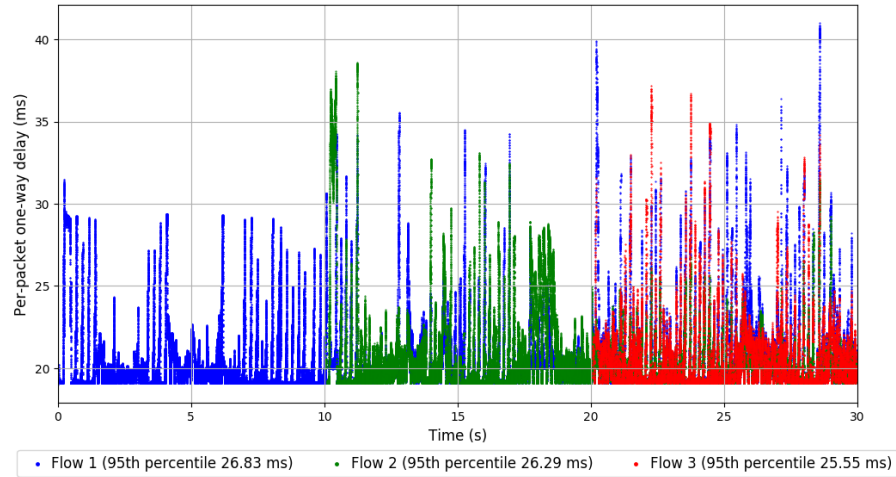
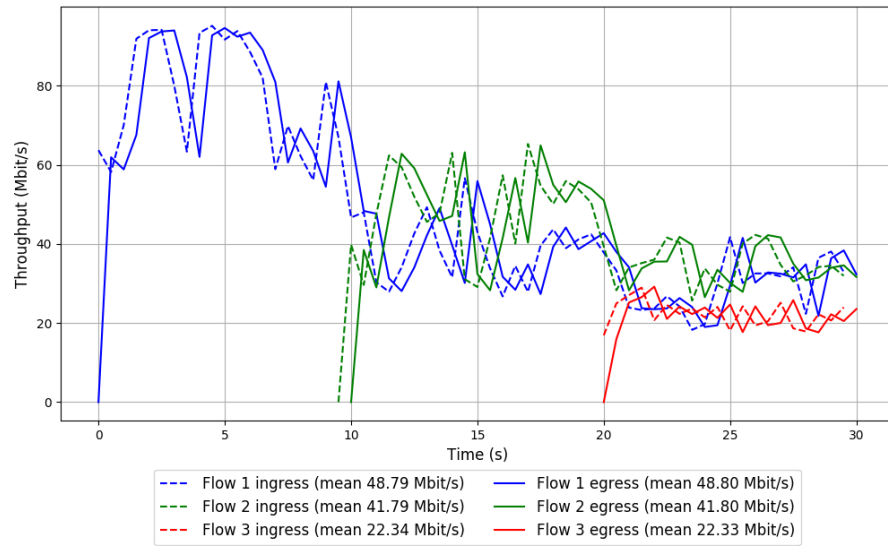


Run 4: Statistics of Copa

Start at: 2018-08-22 20:16:05
End at: 2018-08-22 20:16:35
Local clock offset: 1.277 ms
Remote clock offset: -62.616 ms

Below is generated by plot.py at 2018-08-22 22:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 26.502 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 26.833 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 26.291 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 22.33 Mbit/s
95th percentile per-packet one-way delay: 25.545 ms
Loss rate: 0.33%

Run 4: Report of Copa — Data Link

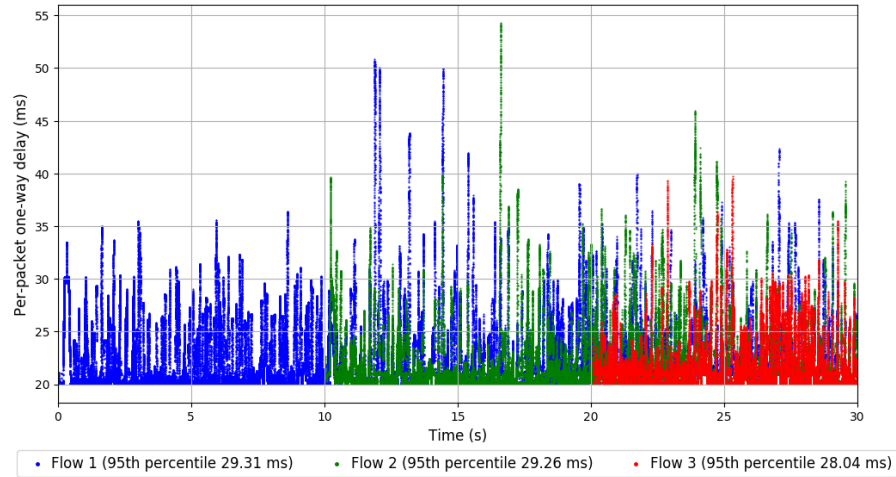
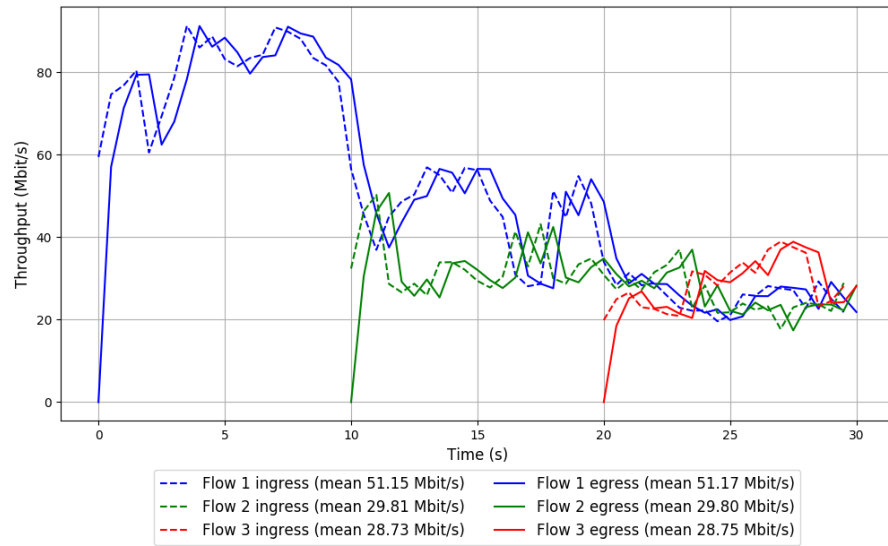


Run 5: Statistics of Copa

Start at: 2018-08-22 20:35:59
End at: 2018-08-22 20:36:29
Local clock offset: 1.354 ms
Remote clock offset: -64.58 ms

```
# Below is generated by plot.py at 2018-08-22 22:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 29.123 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 51.17 Mbit/s
95th percentile per-packet one-way delay: 29.311 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 29.264 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 28.043 ms
Loss rate: 0.20%
```

Run 5: Report of Copa — Data Link

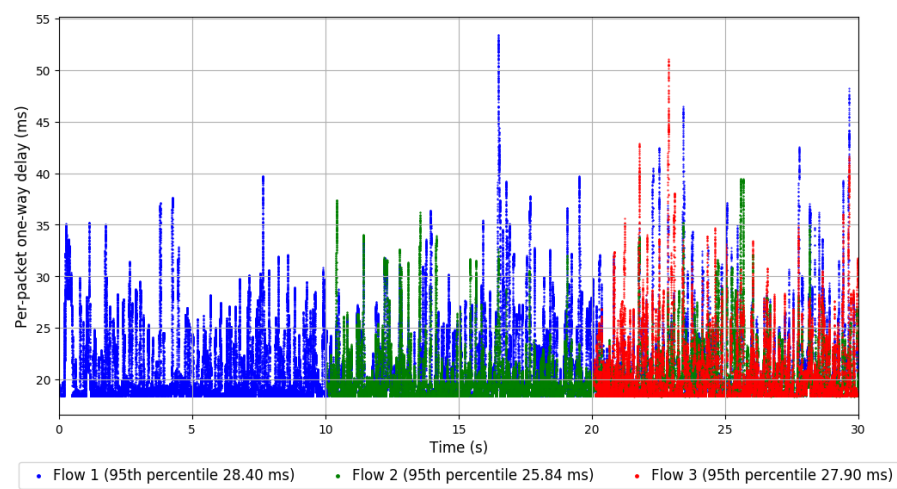
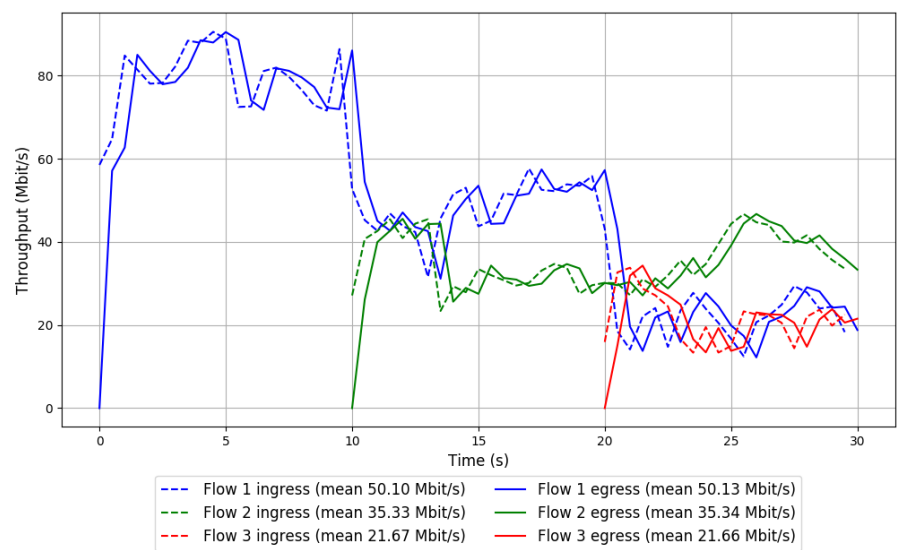


Run 6: Statistics of Copa

Start at: 2018-08-22 20:56:00
End at: 2018-08-22 20:56:30
Local clock offset: 1.57 ms
Remote clock offset: -64.238 ms

Below is generated by plot.py at 2018-08-22 22:27:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.85 Mbit/s
95th percentile per-packet one-way delay: 28.113 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 28.399 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.34 Mbit/s
95th percentile per-packet one-way delay: 25.836 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 27.901 ms
Loss rate: 0.30%

Run 6: Report of Copa — Data Link

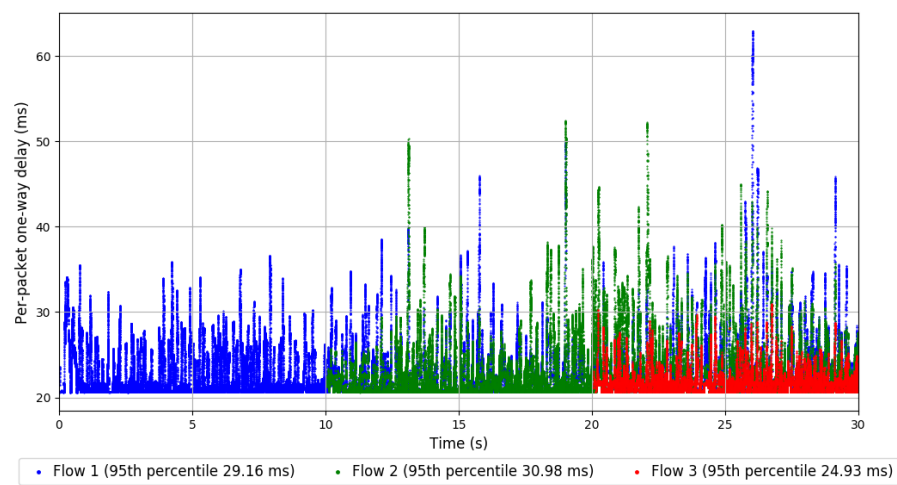
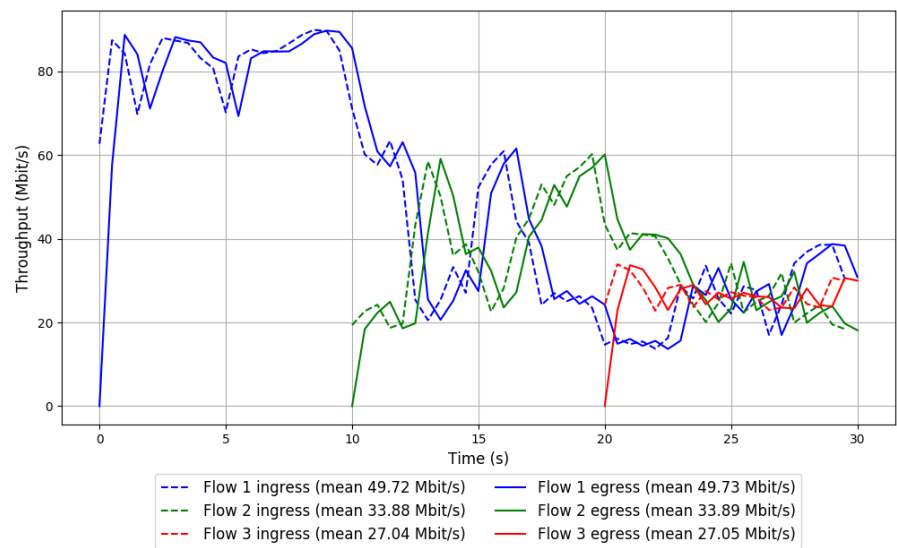


Run 7: Statistics of Copa

Start at: 2018-08-22 21:16:15
End at: 2018-08-22 21:16:45
Local clock offset: 2.527 ms
Remote clock offset: -64.724 ms

Below is generated by plot.py at 2018-08-22 22:28:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.28 Mbit/s
95th percentile per-packet one-way delay: 29.322 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 29.156 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 30.985 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 27.05 Mbit/s
95th percentile per-packet one-way delay: 24.926 ms
Loss rate: 0.22%

Run 7: Report of Copa — Data Link

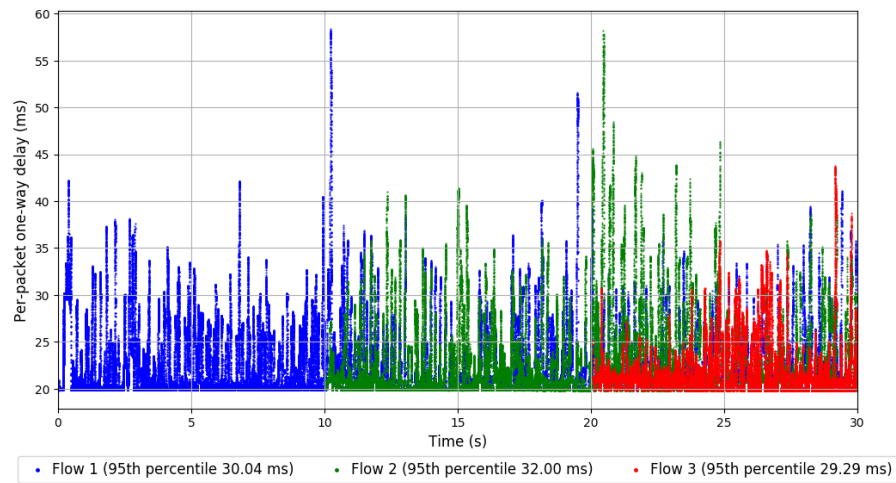
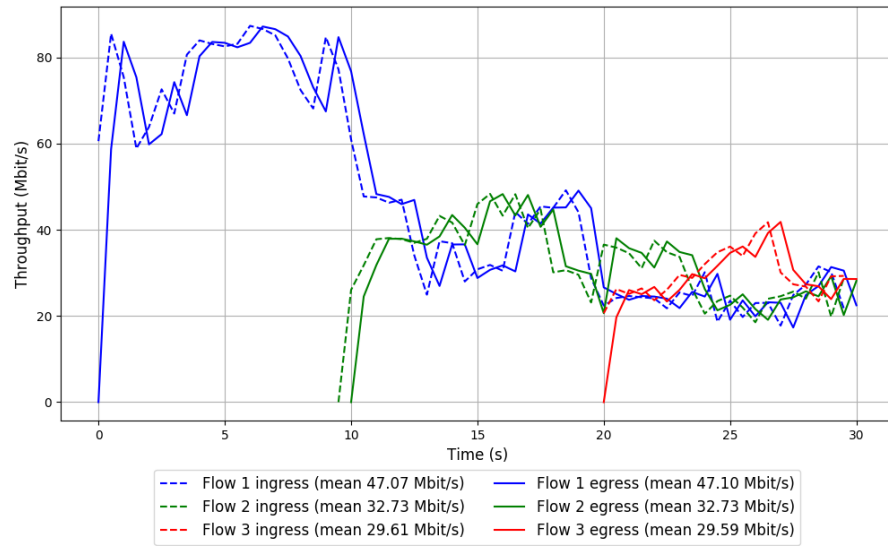


Run 8: Statistics of Copa

Start at: 2018-08-22 21:36:20
End at: 2018-08-22 21:36:50
Local clock offset: 1.367 ms
Remote clock offset: -63.664 ms

Below is generated by plot.py at 2018-08-22 22:28:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 30.408 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 30.036 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 32.003 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 29.292 ms
Loss rate: 0.31%

Run 8: Report of Copa — Data Link

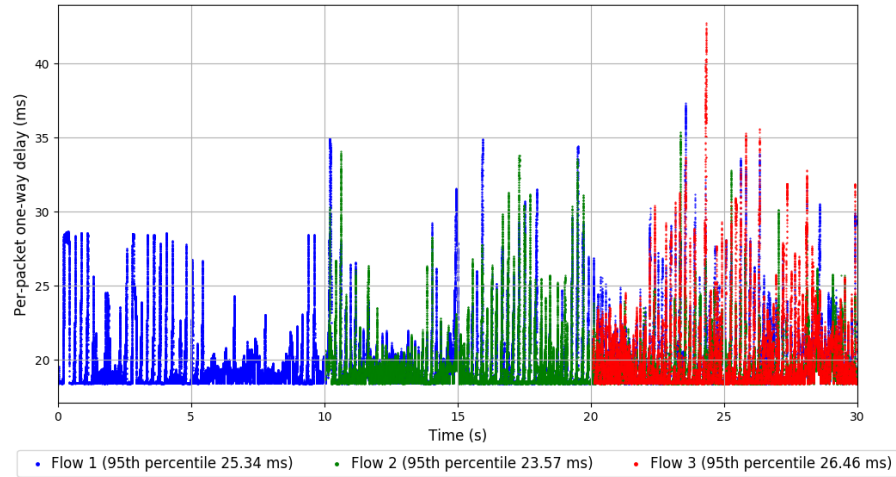
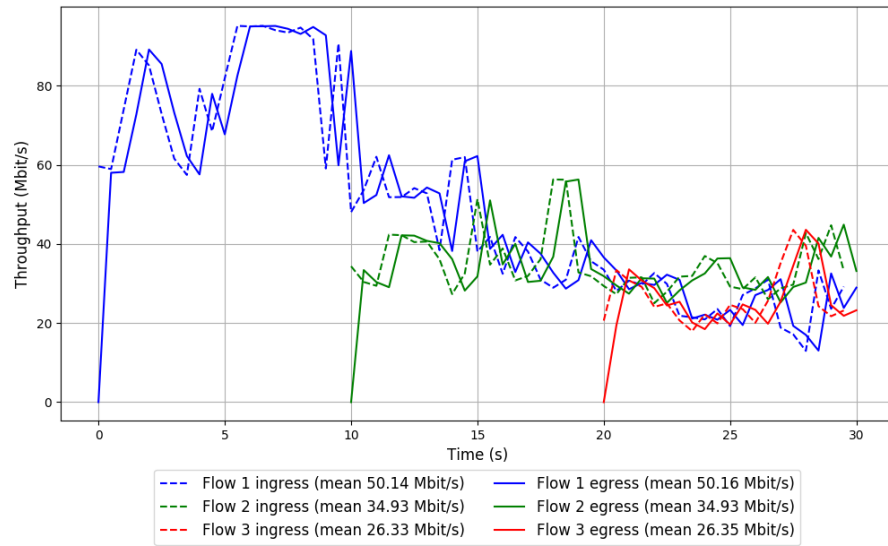


Run 9: Statistics of Copa

Start at: 2018-08-22 21:56:32
End at: 2018-08-22 21:57:02
Local clock offset: 1.212 ms
Remote clock offset: -63.344 ms

Below is generated by plot.py at 2018-08-22 22:28:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.17 Mbit/s
95th percentile per-packet one-way delay: 24.914 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 25.344 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 23.565 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 26.460 ms
Loss rate: 0.16%

Run 9: Report of Copa — Data Link

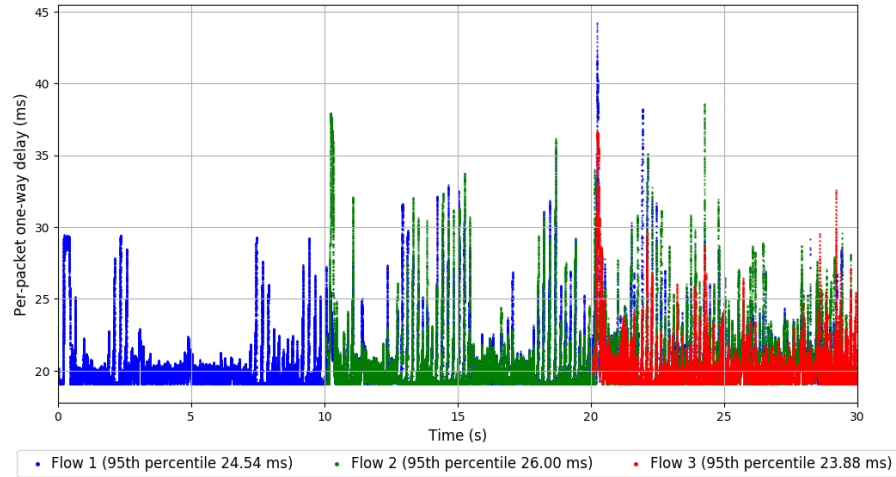
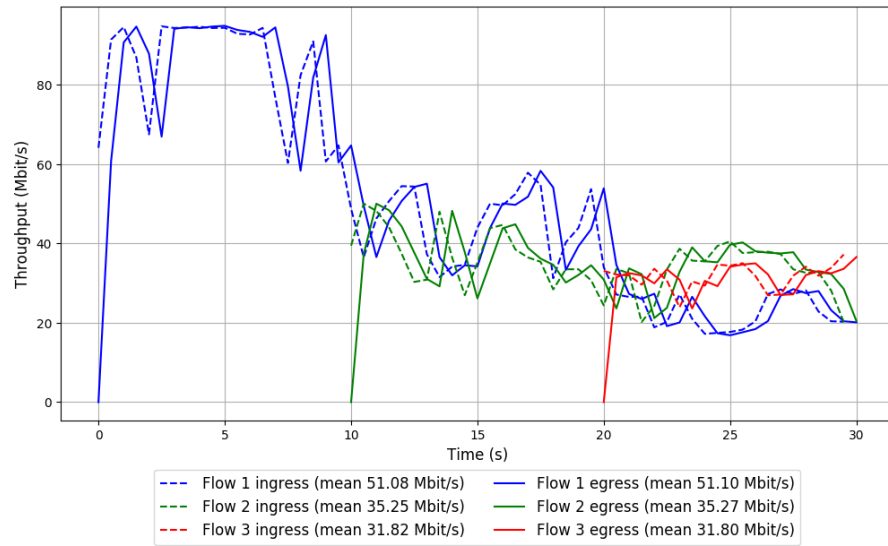


Run 10: Statistics of Copa

Start at: 2018-08-22 22:16:40
End at: 2018-08-22 22:17:10
Local clock offset: 2.572 ms
Remote clock offset: -61.52 ms

Below is generated by plot.py at 2018-08-22 22:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 24.926 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 24.542 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 25.998 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 23.880 ms
Loss rate: 0.33%

Run 10: Report of Copa — Data Link

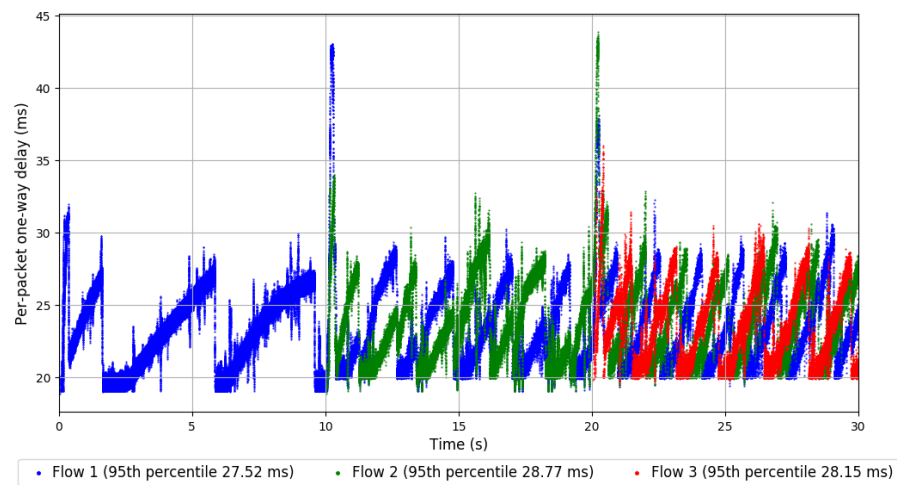
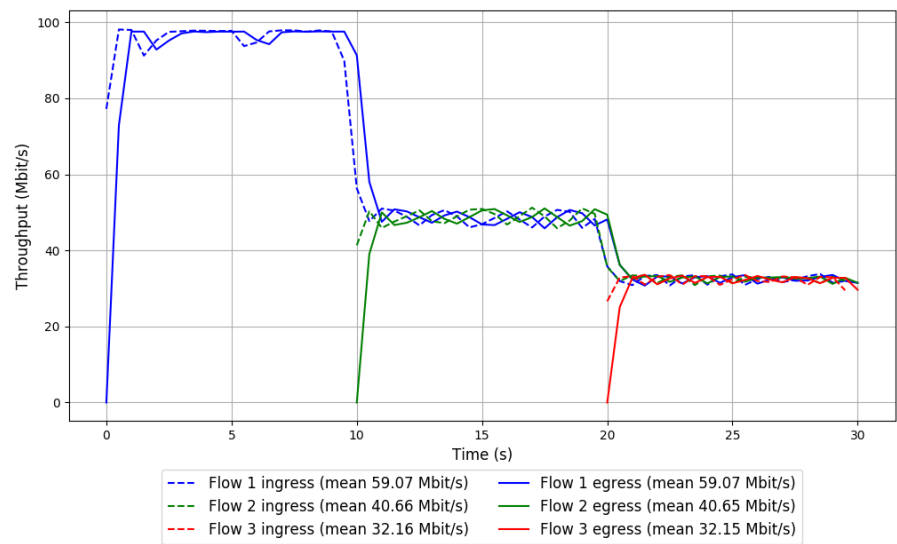


Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 19:05:02
End at: 2018-08-22 19:05:32
Local clock offset: 1.123 ms
Remote clock offset: -64.142 ms

Below is generated by plot.py at 2018-08-22 22:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 27.995 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 27.521 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 28.765 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 28.152 ms
Loss rate: 0.27%

Run 1: Report of TCP Cubic — Data Link

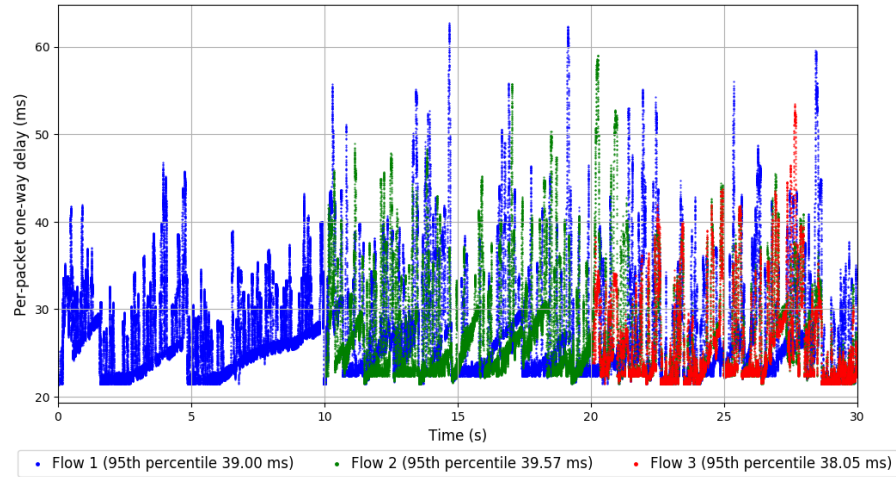
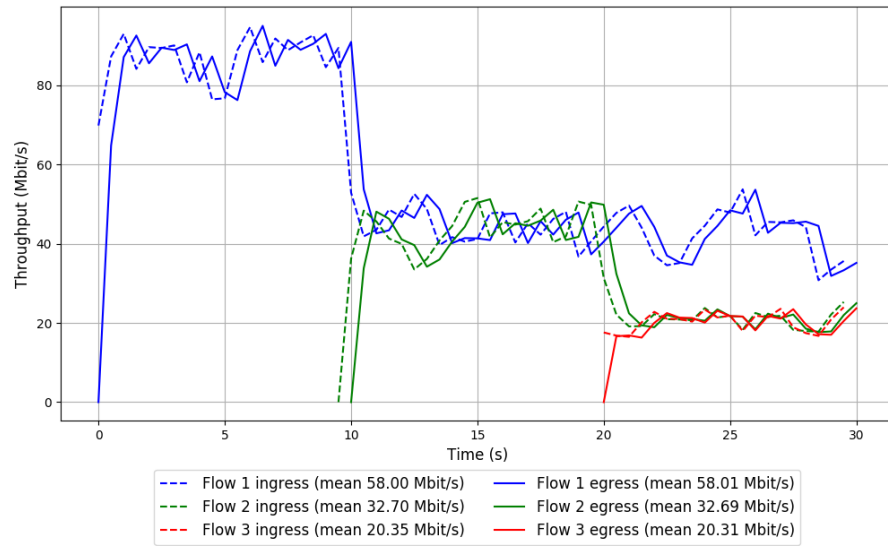


Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 19:25:35
End at: 2018-08-22 19:26:05
Local clock offset: 2.568 ms
Remote clock offset: -65.407 ms

Below is generated by plot.py at 2018-08-22 22:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 39.119 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 39.003 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 39.574 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 38.045 ms
Loss rate: 0.42%

Run 2: Report of TCP Cubic — Data Link

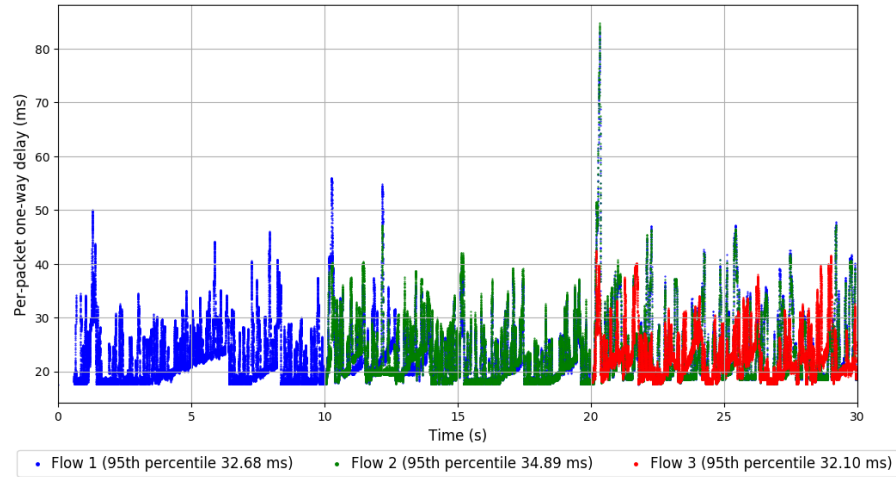
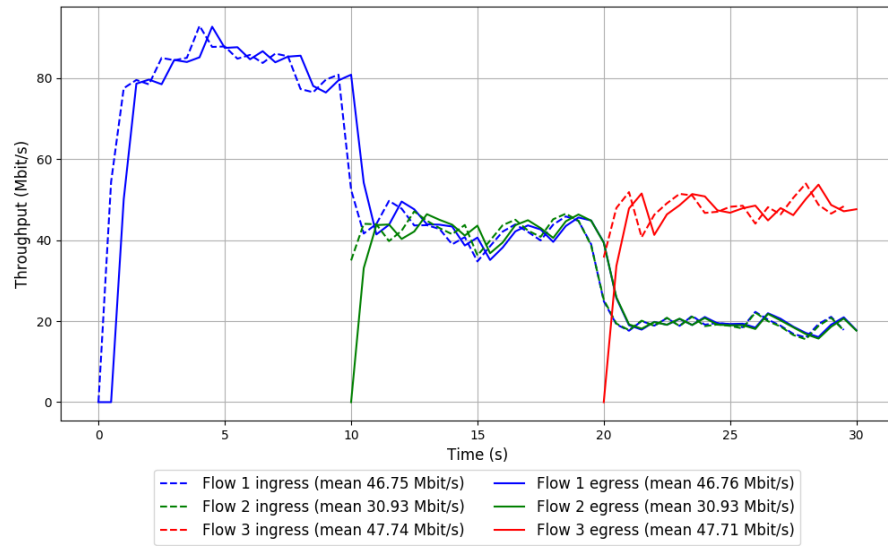


Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 19:45:31
End at: 2018-08-22 19:46:01
Local clock offset: -0.098 ms
Remote clock offset: -64.706 ms

Below is generated by plot.py at 2018-08-22 22:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 33.200 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 32.680 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 34.888 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 32.100 ms
Loss rate: 0.31%

Run 3: Report of TCP Cubic — Data Link

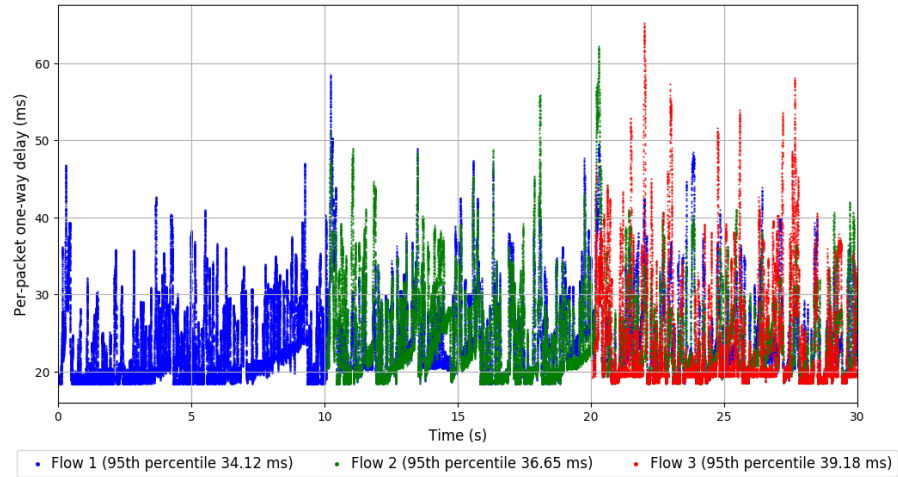
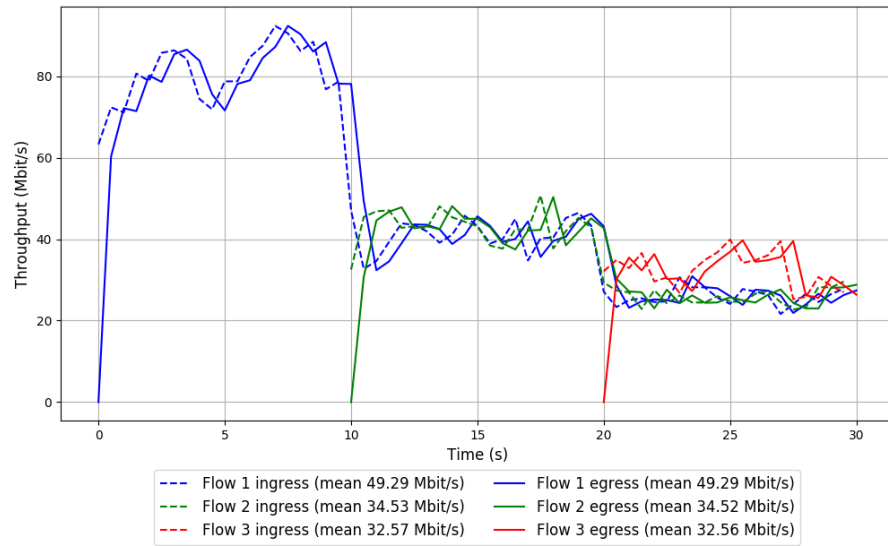


Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 20:05:35
End at: 2018-08-22 20:06:05
Local clock offset: 0.293 ms
Remote clock offset: -63.383 ms

Below is generated by plot.py at 2018-08-22 22:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 35.671 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 34.119 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 36.649 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 39.180 ms
Loss rate: 0.27%

Run 4: Report of TCP Cubic — Data Link

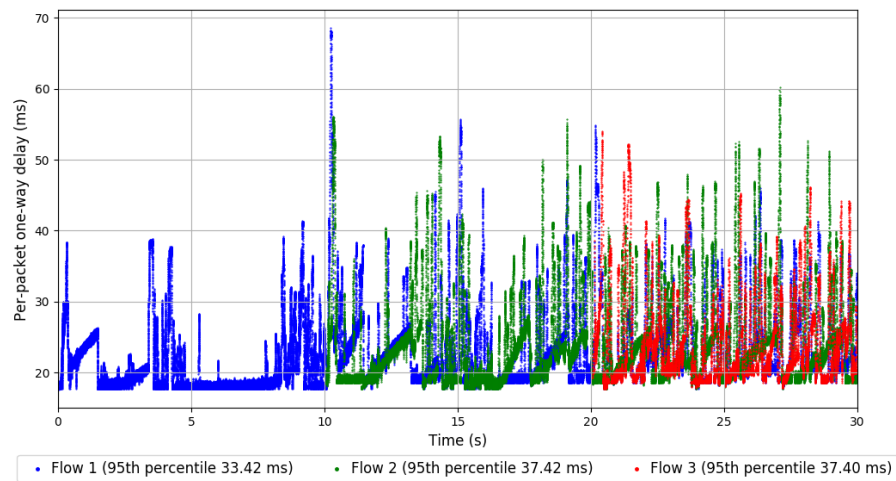
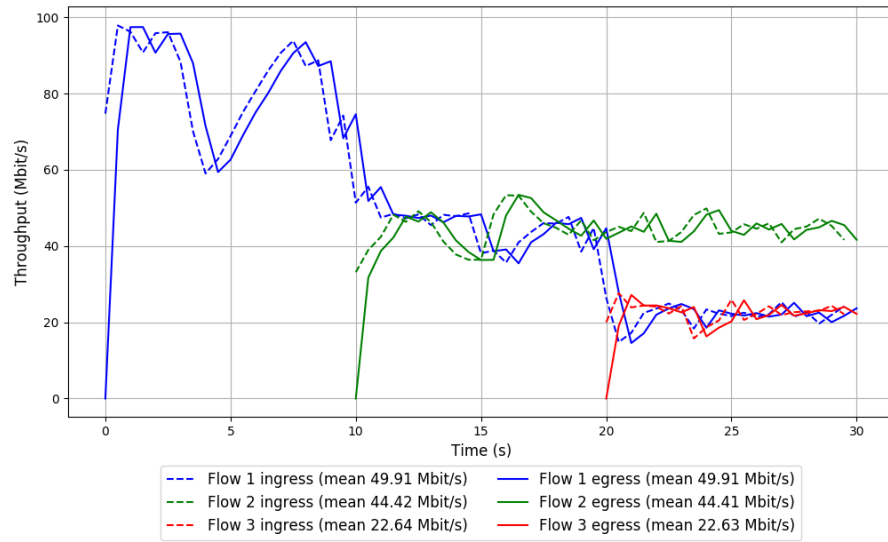


Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 20:25:26
End at: 2018-08-22 20:25:56
Local clock offset: -0.31 ms
Remote clock offset: -63.258 ms

Below is generated by plot.py at 2018-08-22 22:29:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 35.526 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 33.422 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 37.416 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 37.403 ms
Loss rate: 0.32%

Run 5: Report of TCP Cubic — Data Link

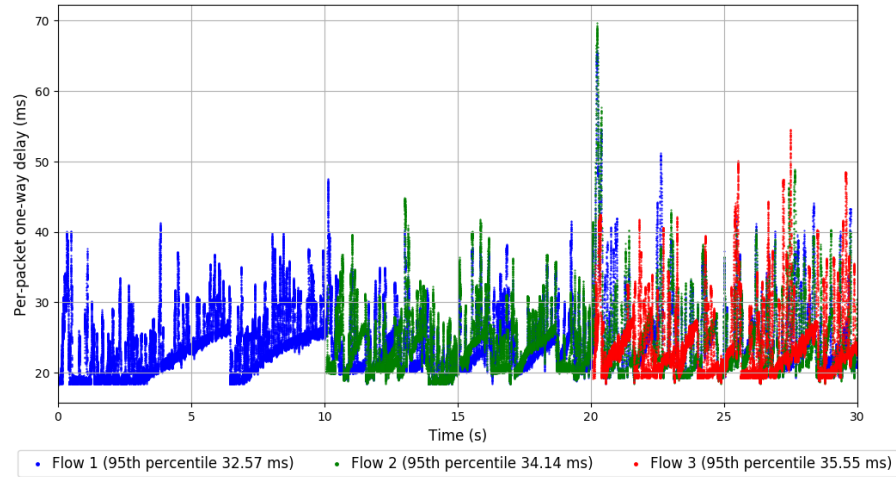
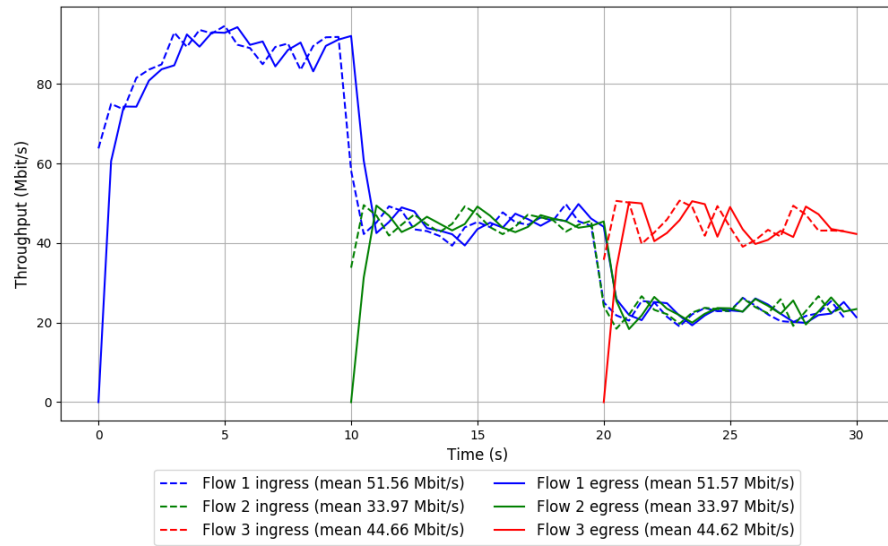


Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 20:45:12
End at: 2018-08-22 20:45:43
Local clock offset: 0.53 ms
Remote clock offset: -64.725 ms

Below is generated by plot.py at 2018-08-22 22:29:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 33.465 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.57 Mbit/s
95th percentile per-packet one-way delay: 32.571 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.97 Mbit/s
95th percentile per-packet one-way delay: 34.142 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 44.62 Mbit/s
95th percentile per-packet one-way delay: 35.554 ms
Loss rate: 0.34%

Run 6: Report of TCP Cubic — Data Link

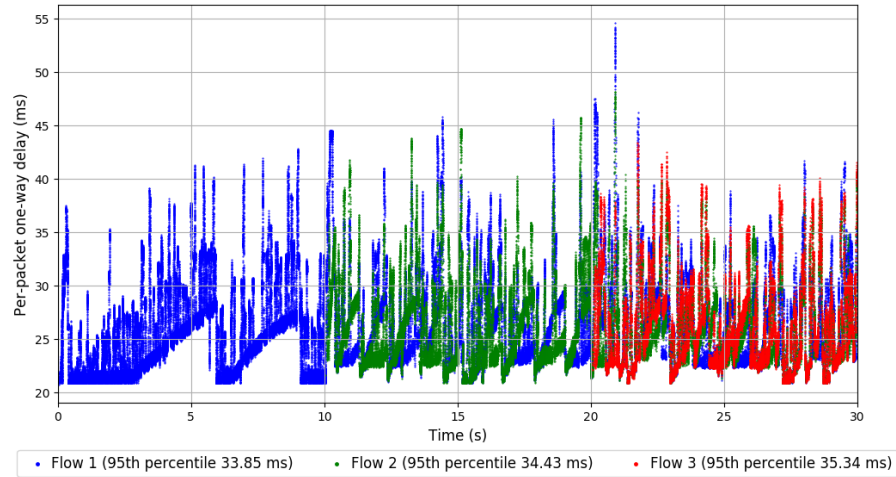
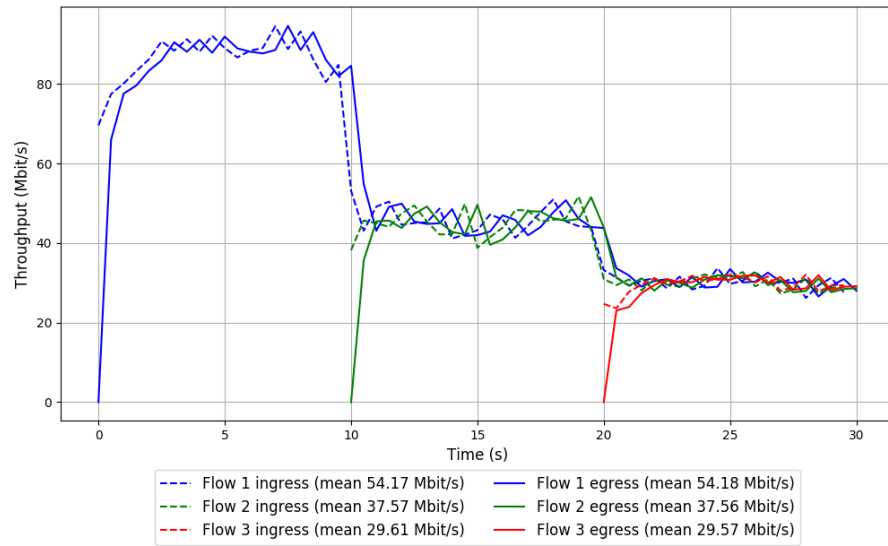


Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 21:05:32
End at: 2018-08-22 21:06:02
Local clock offset: 4.435 ms
Remote clock offset: -64.249 ms

Below is generated by plot.py at 2018-08-22 22:29:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 34.200 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.18 Mbit/s
95th percentile per-packet one-way delay: 33.848 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 34.431 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 35.338 ms
Loss rate: 0.37%

Run 7: Report of TCP Cubic — Data Link

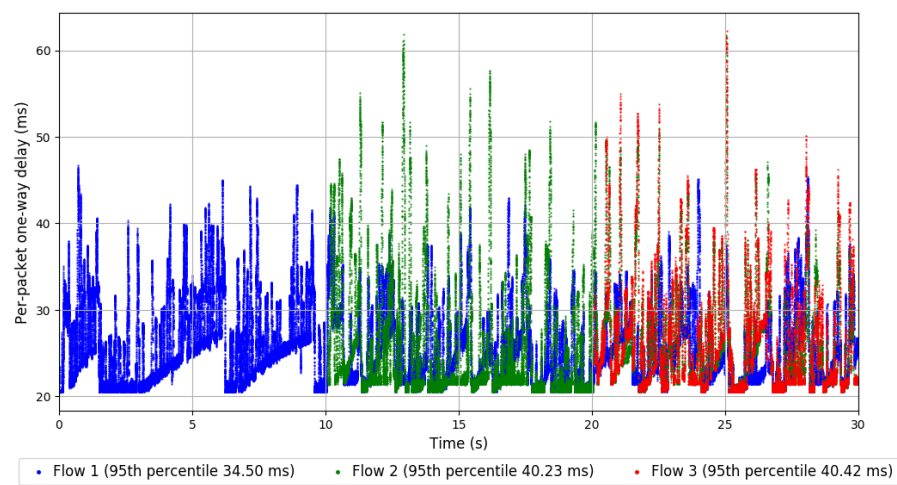
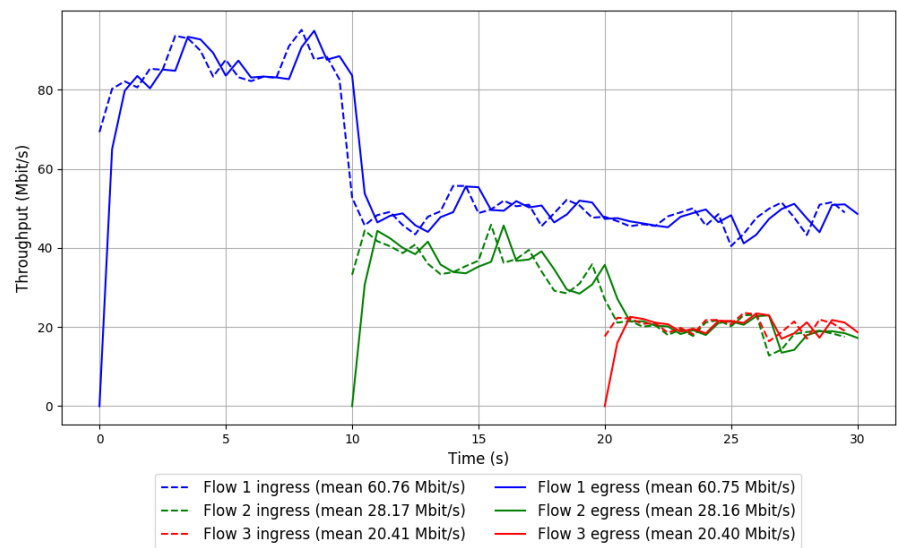


Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 21:25:40
End at: 2018-08-22 21:26:10
Local clock offset: 2.217 ms
Remote clock offset: -64.505 ms

Below is generated by plot.py at 2018-08-22 22:29:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 36.048 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 34.499 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 28.16 Mbit/s
95th percentile per-packet one-way delay: 40.226 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 40.416 ms
Loss rate: 0.36%

Run 8: Report of TCP Cubic — Data Link

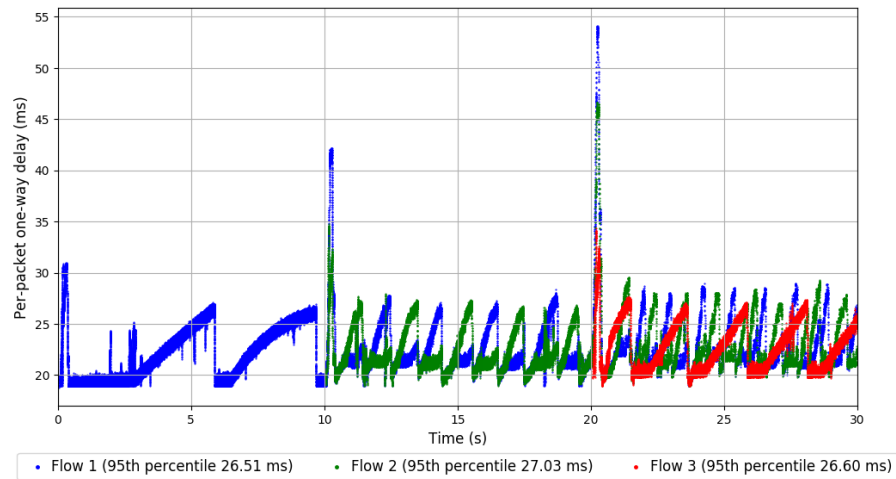
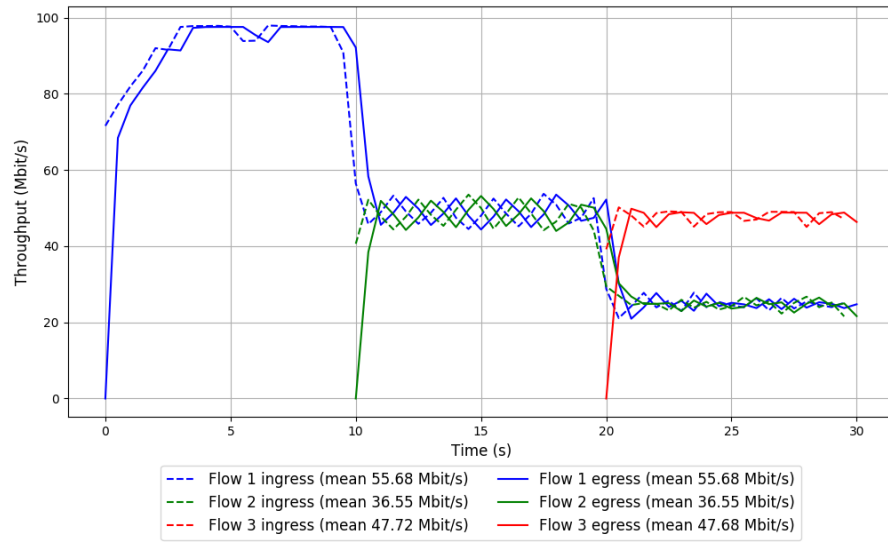


Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 21:45:56
End at: 2018-08-22 21:46:26
Local clock offset: 1.072 ms
Remote clock offset: -63.819 ms

Below is generated by plot.py at 2018-08-22 22:29:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 26.684 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.68 Mbit/s
95th percentile per-packet one-way delay: 26.512 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 27.030 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 26.602 ms
Loss rate: 0.33%

Run 9: Report of TCP Cubic — Data Link

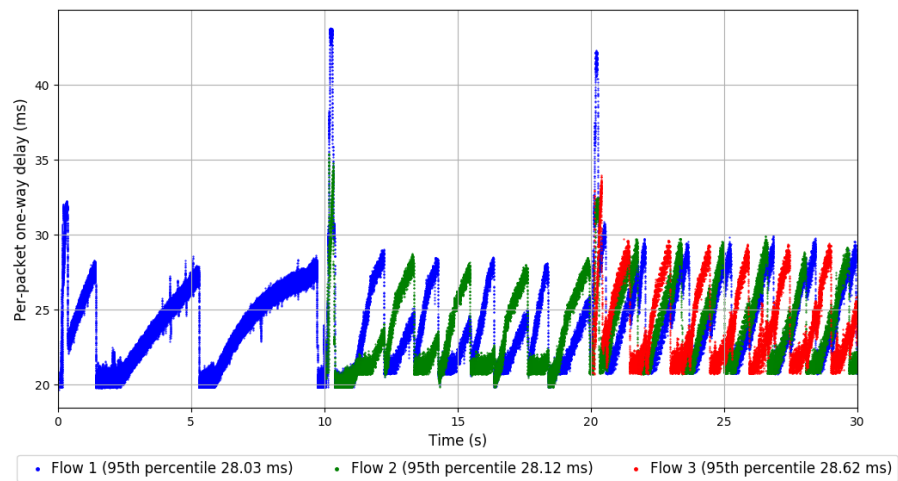
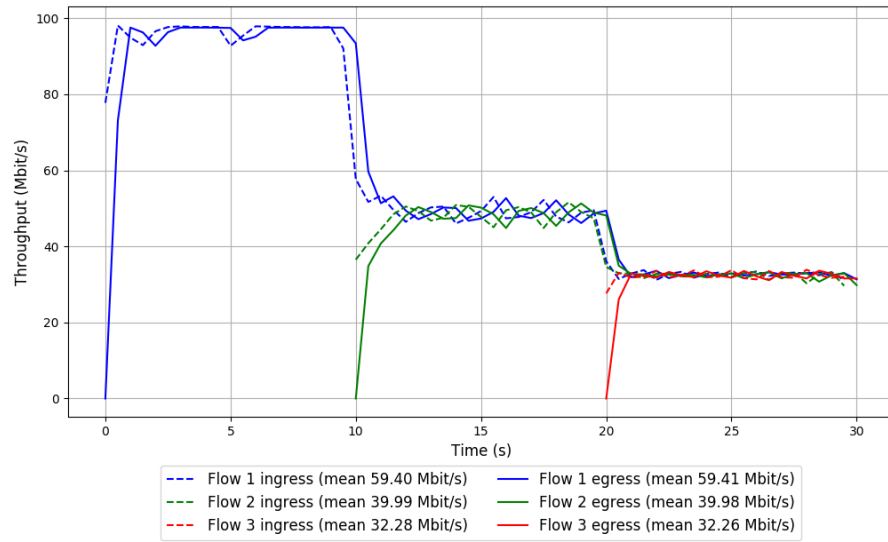


Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 22:05:58
End at: 2018-08-22 22:06:28
Local clock offset: 2.92 ms
Remote clock offset: -62.729 ms

Below is generated by plot.py at 2018-08-22 22:29:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 28.169 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 28.034 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 28.121 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 28.621 ms
Loss rate: 0.32%

Run 10: Report of TCP Cubic — Data Link

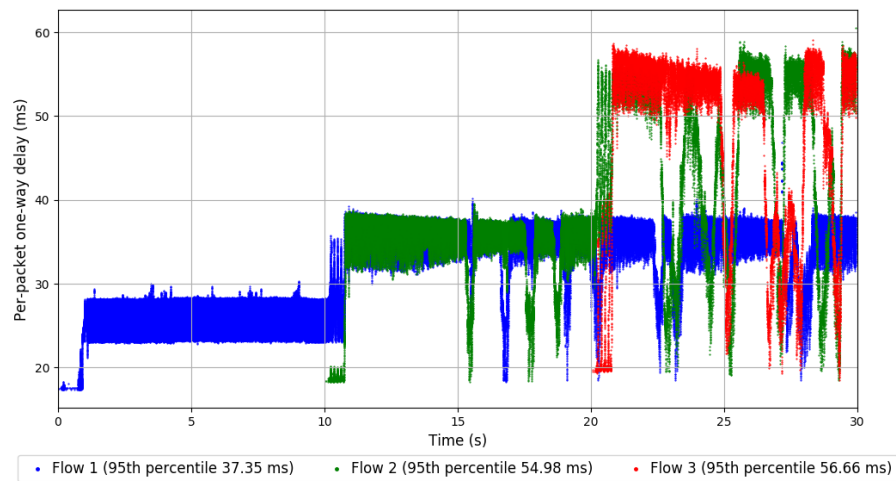
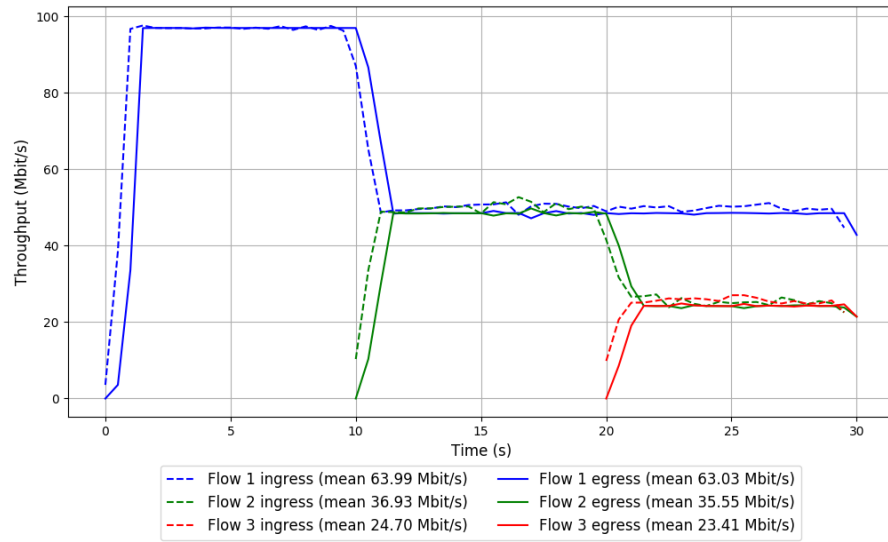


Run 1: Statistics of FillP

Start at: 2018-08-22 19:06:30
End at: 2018-08-22 19:07:00
Local clock offset: -0.166 ms
Remote clock offset: -63.926 ms

Below is generated by plot.py at 2018-08-22 22:29:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 54.132 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 37.348 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 54.981 ms
Loss rate: 3.92%
-- Flow 3:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 56.658 ms
Loss rate: 5.64%

Run 1: Report of FillP — Data Link

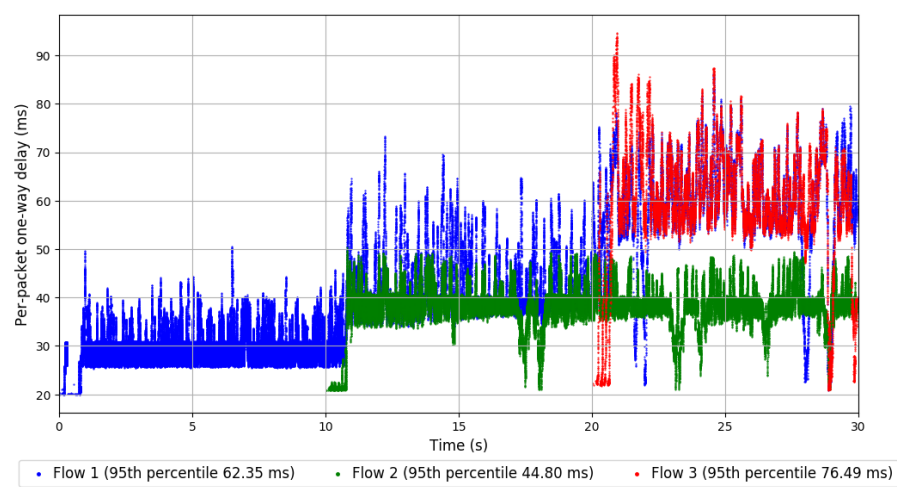
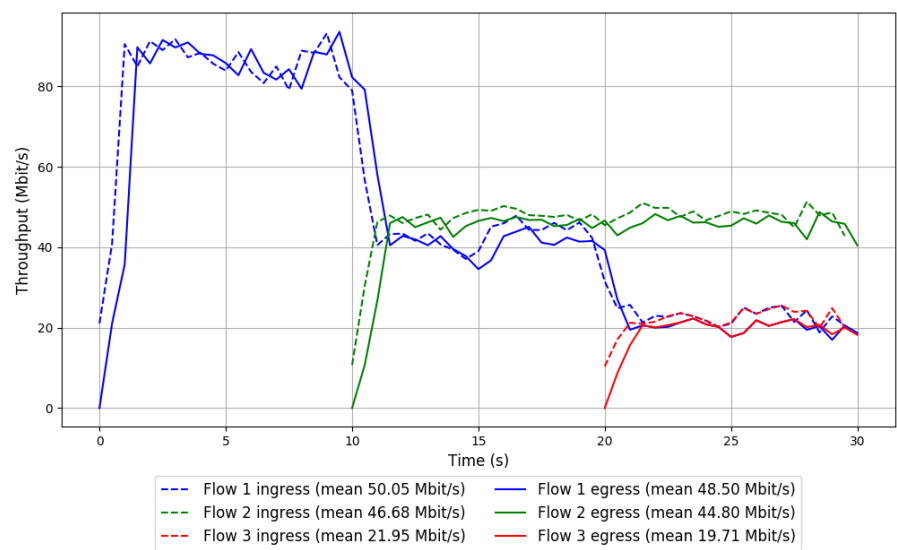


Run 2: Statistics of FillP

Start at: 2018-08-22 19:26:45
End at: 2018-08-22 19:27:15
Local clock offset: 2.756 ms
Remote clock offset: -63.832 ms

Below is generated by plot.py at 2018-08-22 22:30:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 63.635 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 62.347 ms
Loss rate: 3.27%
-- Flow 2:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 44.799 ms
Loss rate: 4.22%
-- Flow 3:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 76.490 ms
Loss rate: 10.42%

Run 2: Report of FillP — Data Link

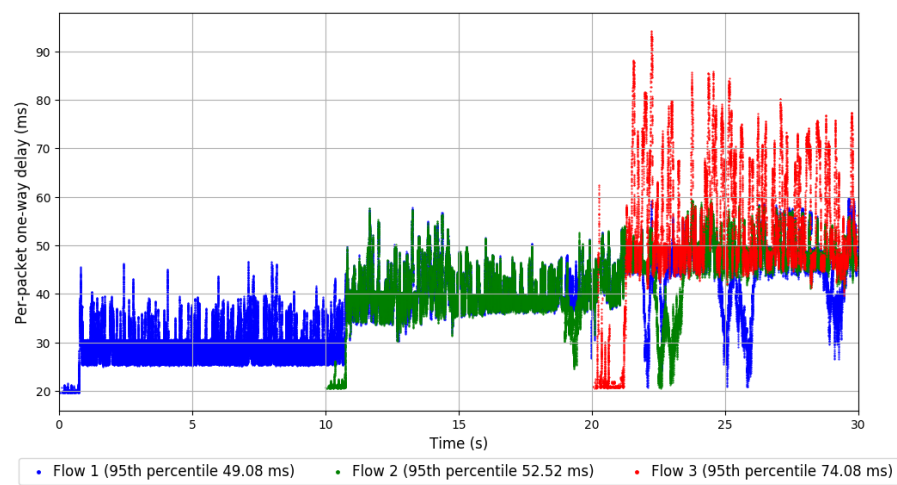
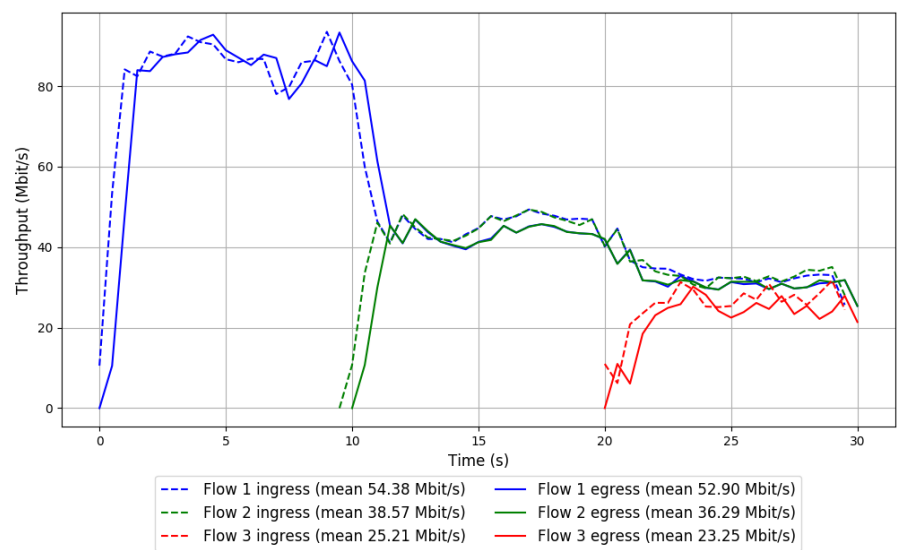


Run 3: Statistics of FillP

Start at: 2018-08-22 19:46:40
End at: 2018-08-22 19:47:10
Local clock offset: 0.894 ms
Remote clock offset: -65.818 ms

Below is generated by plot.py at 2018-08-22 22:30:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 53.571 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 49.081 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 52.521 ms
Loss rate: 6.08%
-- Flow 3:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 74.075 ms
Loss rate: 8.10%

Run 3: Report of FillP — Data Link

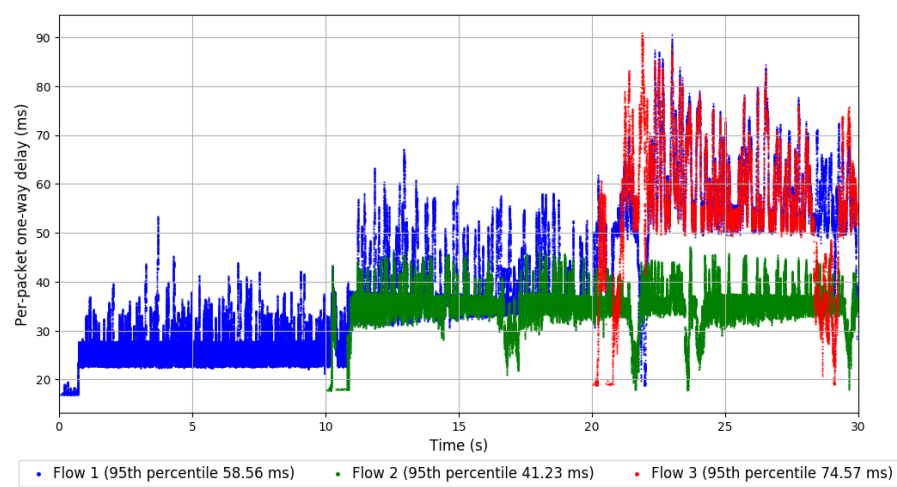
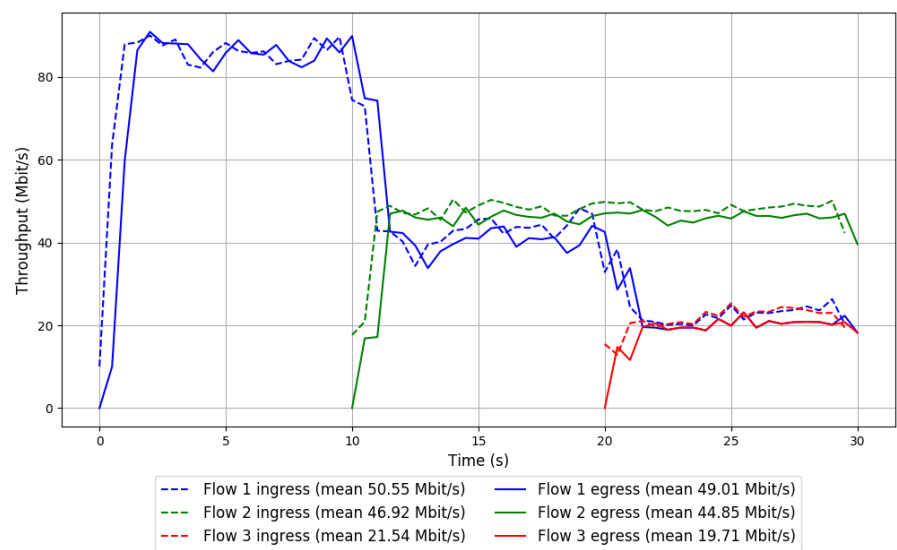


Run 4: Statistics of FillP

Start at: 2018-08-22 20:06:43
End at: 2018-08-22 20:07:13
Local clock offset: -0.812 ms
Remote clock offset: -63.03 ms

Below is generated by plot.py at 2018-08-22 22:30:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 59.955 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 58.561 ms
Loss rate: 3.12%
-- Flow 2:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 41.235 ms
Loss rate: 4.53%
-- Flow 3:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 74.567 ms
Loss rate: 8.91%

Run 4: Report of FillP — Data Link

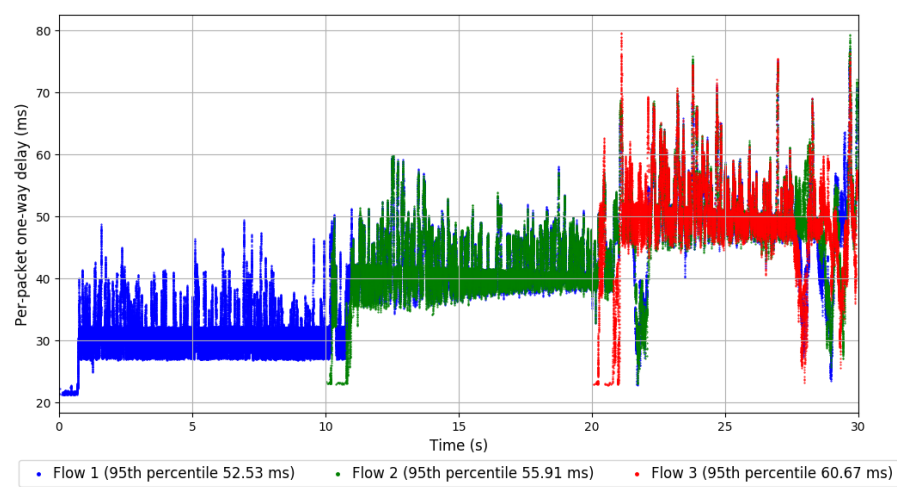
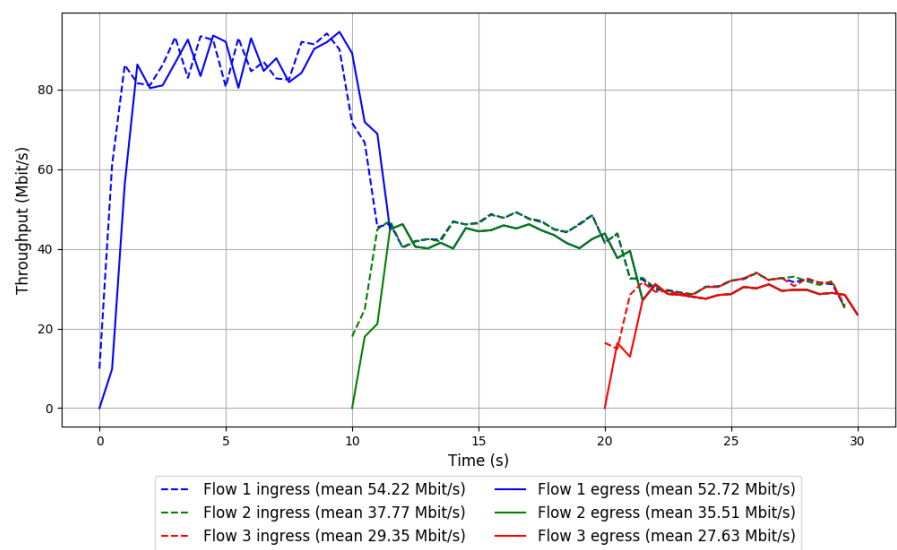


Run 5: Statistics of FillP

Start at: 2018-08-22 20:26:36
End at: 2018-08-22 20:27:06
Local clock offset: 2.826 ms
Remote clock offset: -64.043 ms

Below is generated by plot.py at 2018-08-22 22:30:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 55.244 ms
Loss rate: 4.19%
-- Flow 1:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 52.532 ms
Loss rate: 2.90%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 55.910 ms
Loss rate: 6.19%
-- Flow 3:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 60.669 ms
Loss rate: 6.25%

Run 5: Report of FillP — Data Link

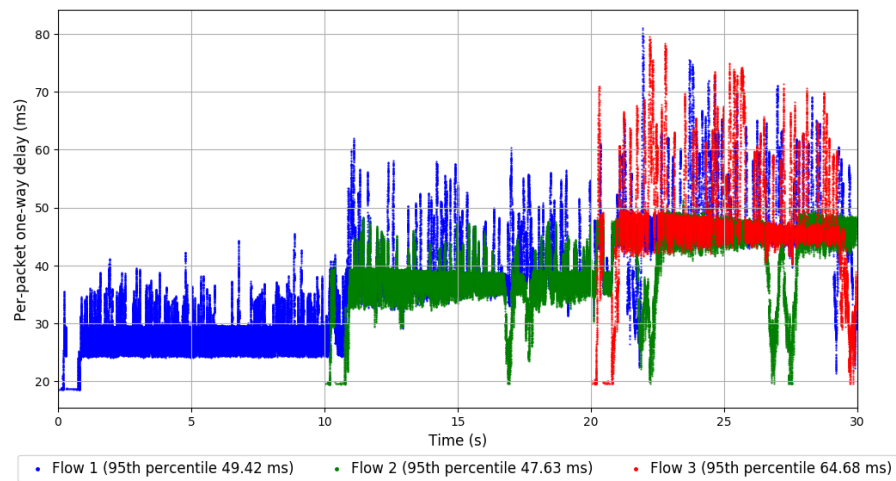
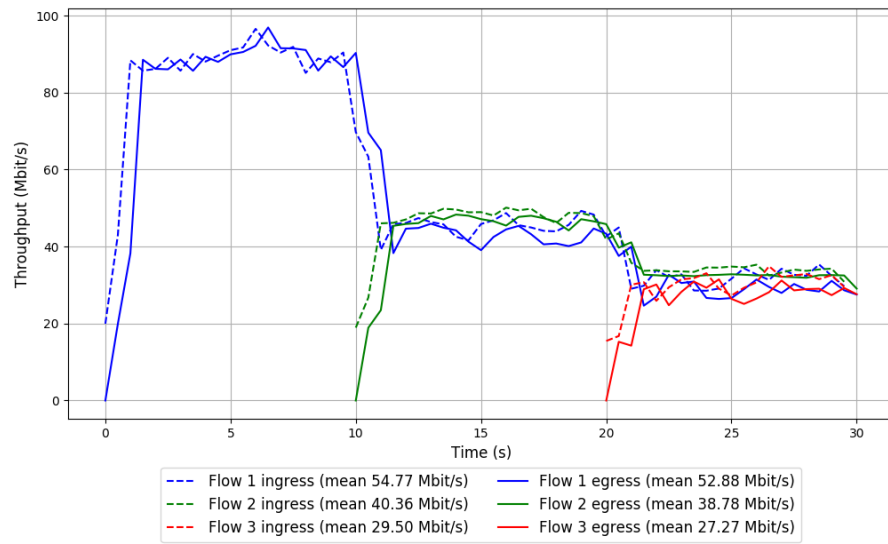


Run 6: Statistics of FillP

Start at: 2018-08-22 20:46:24
End at: 2018-08-22 20:46:54
Local clock offset: 1.637 ms
Remote clock offset: -64.033 ms

Below is generated by plot.py at 2018-08-22 22:30:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 50.403 ms
Loss rate: 4.15%
-- Flow 1:
Average throughput: 52.88 Mbit/s
95th percentile per-packet one-way delay: 49.421 ms
Loss rate: 3.52%
-- Flow 2:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 47.630 ms
Loss rate: 4.11%
-- Flow 3:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 64.682 ms
Loss rate: 7.77%

Run 6: Report of FillP — Data Link

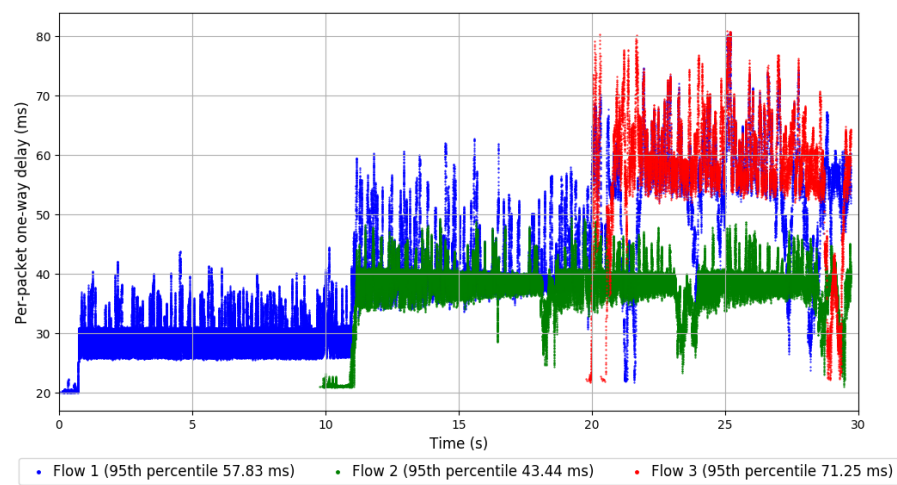
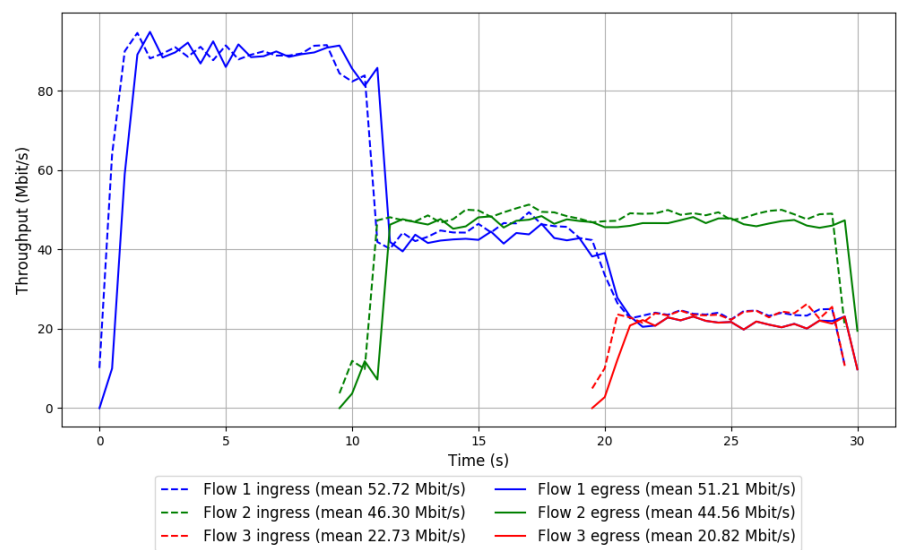


Run 7: Statistics of FillP

Start at: 2018-08-22 21:06:43
End at: 2018-08-22 21:07:13
Local clock offset: 3.171 ms
Remote clock offset: -64.789 ms

Below is generated by plot.py at 2018-08-22 22:30:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 59.797 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 51.21 Mbit/s
95th percentile per-packet one-way delay: 57.831 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 43.442 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 71.250 ms
Loss rate: 8.81%

Run 7: Report of FillP — Data Link

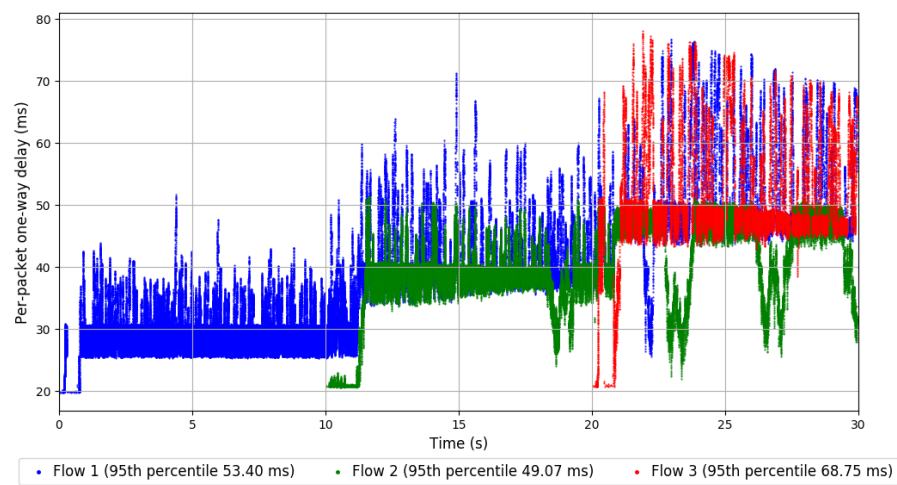
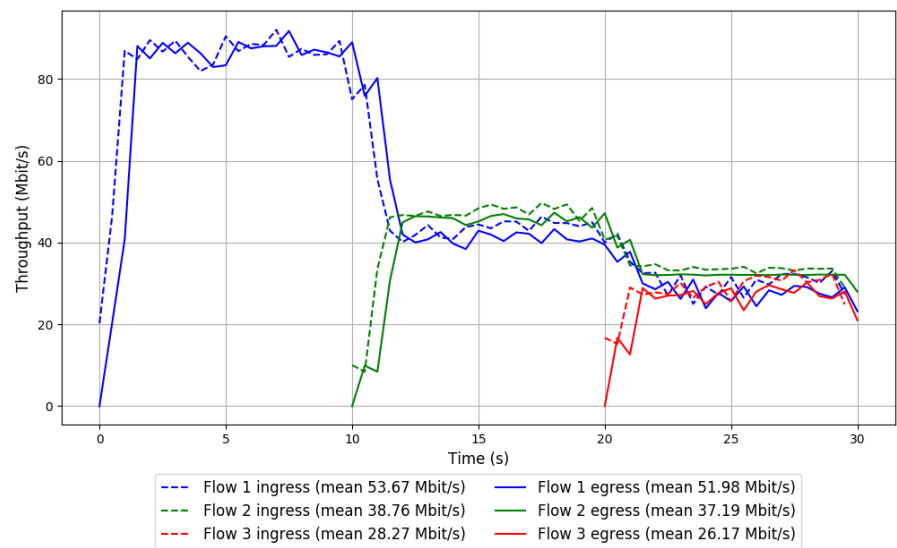


Run 8: Statistics of FillP

Start at: 2018-08-22 21:26:50
End at: 2018-08-22 21:27:20
Local clock offset: 1.723 ms
Remote clock offset: -64.397 ms

Below is generated by plot.py at 2018-08-22 22:30:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 54.983 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 51.98 Mbit/s
95th percentile per-packet one-way delay: 53.403 ms
Loss rate: 3.25%
-- Flow 2:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 49.073 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 68.749 ms
Loss rate: 7.75%

Run 8: Report of FillP — Data Link

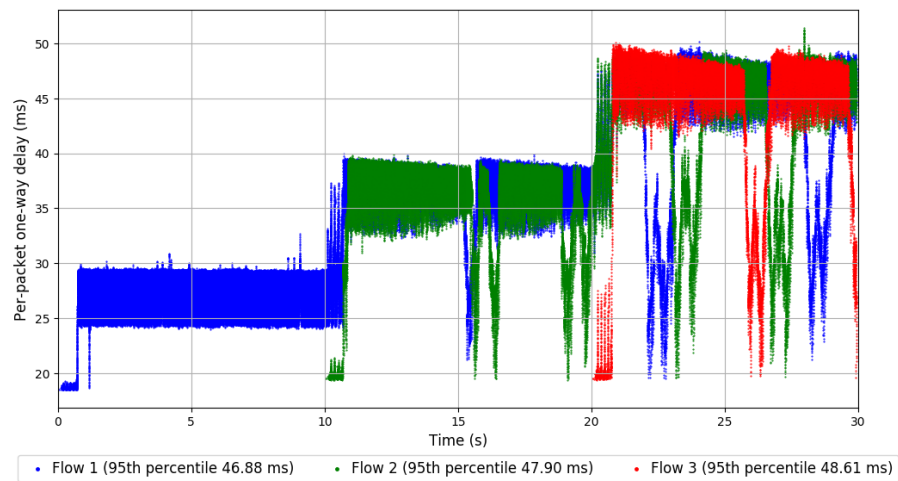
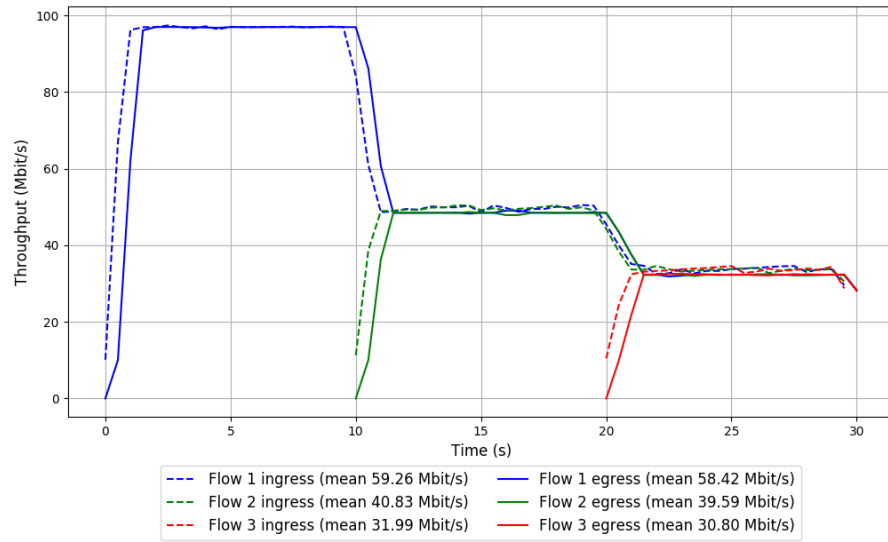


Run 9: Statistics of FillP

Start at: 2018-08-22 21:47:05
End at: 2018-08-22 21:47:35
Local clock offset: 0.692 ms
Remote clock offset: -63.989 ms

Below is generated by plot.py at 2018-08-22 22:31:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 47.791 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 58.42 Mbit/s
95th percentile per-packet one-way delay: 46.878 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 39.59 Mbit/s
95th percentile per-packet one-way delay: 47.901 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 48.607 ms
Loss rate: 3.98%

Run 9: Report of FillP — Data Link

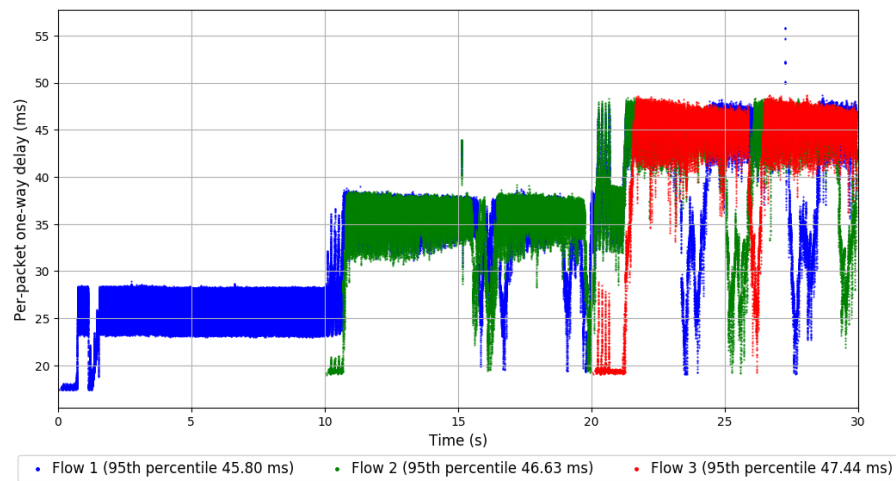
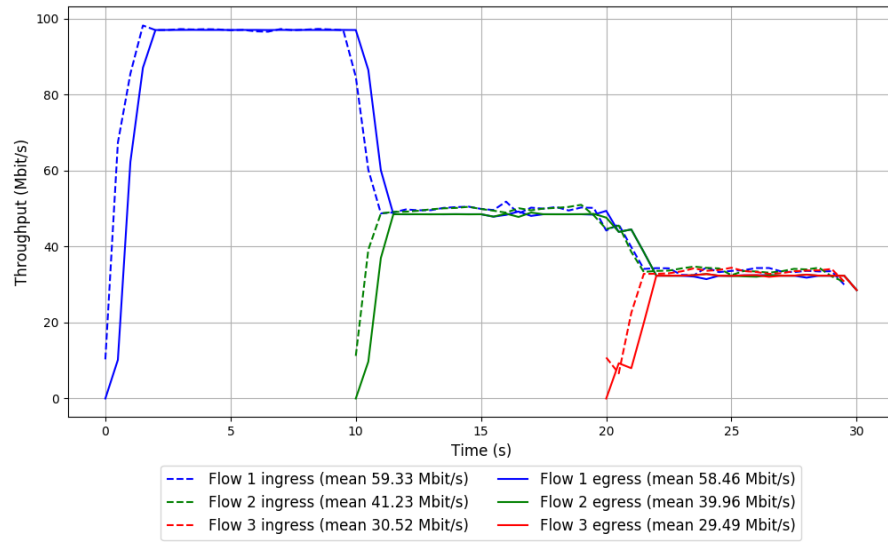


Run 10: Statistics of FillP

Start at: 2018-08-22 22:07:08
End at: 2018-08-22 22:07:38
Local clock offset: 1.043 ms
Remote clock offset: -62.278 ms

Below is generated by plot.py at 2018-08-22 22:31:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 46.594 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 45.801 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 46.634 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 47.443 ms
Loss rate: 3.76%

Run 10: Report of FillP — Data Link

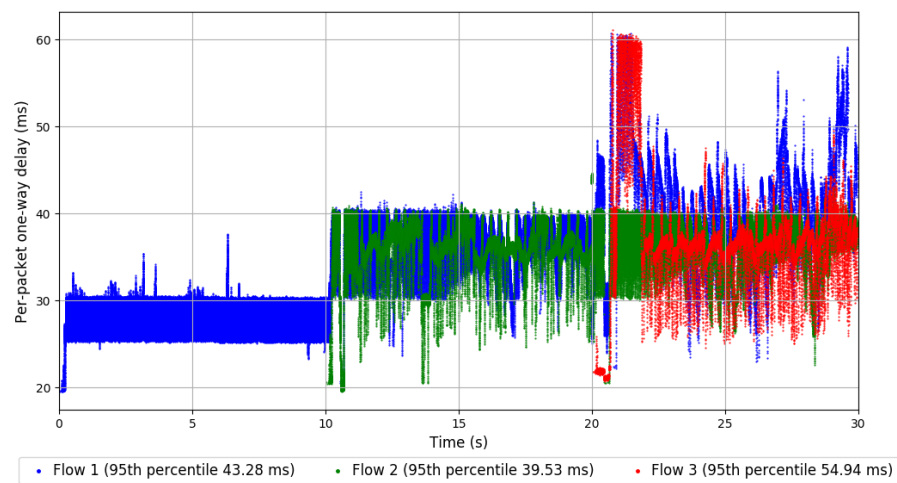
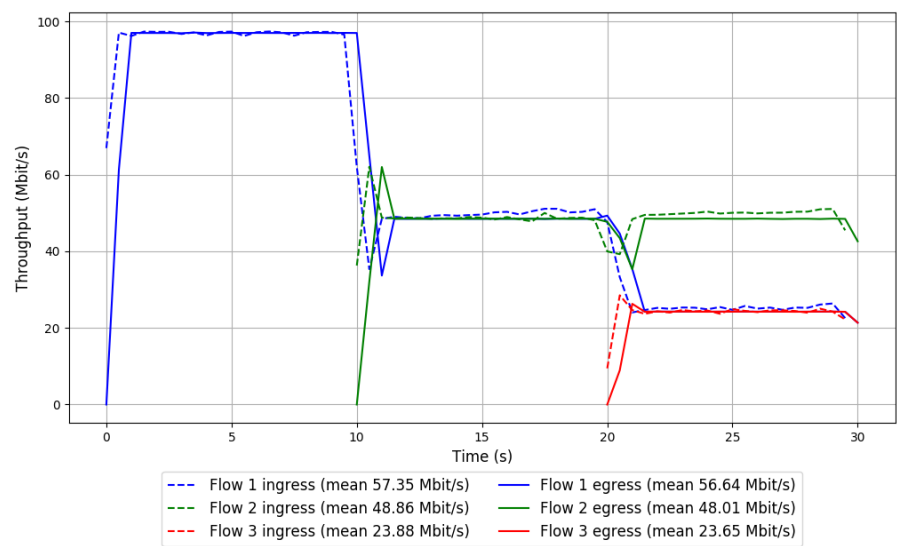


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 19:01:07
End at: 2018-08-22 19:01:37
Local clock offset: 2.122 ms
Remote clock offset: -63.813 ms

Below is generated by plot.py at 2018-08-22 22:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 41.769 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 43.277 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 39.528 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 54.942 ms
Loss rate: 1.21%

Run 1: Report of FillP-Sheep — Data Link

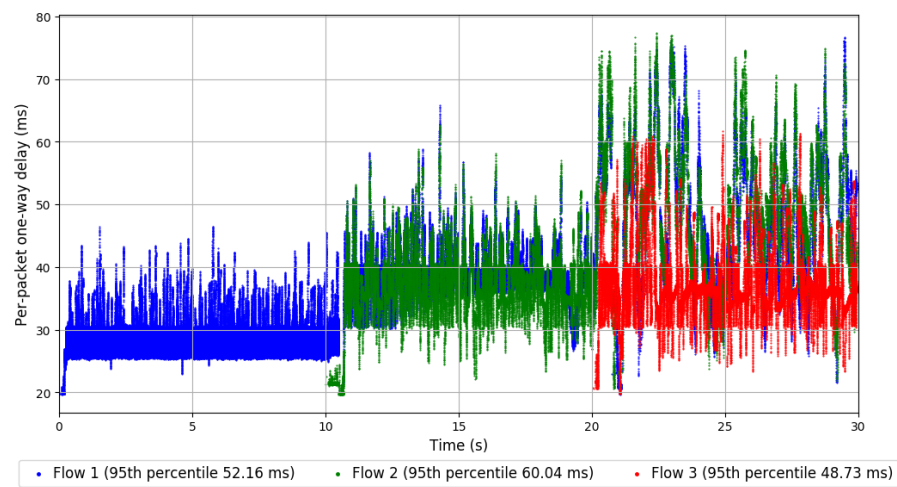
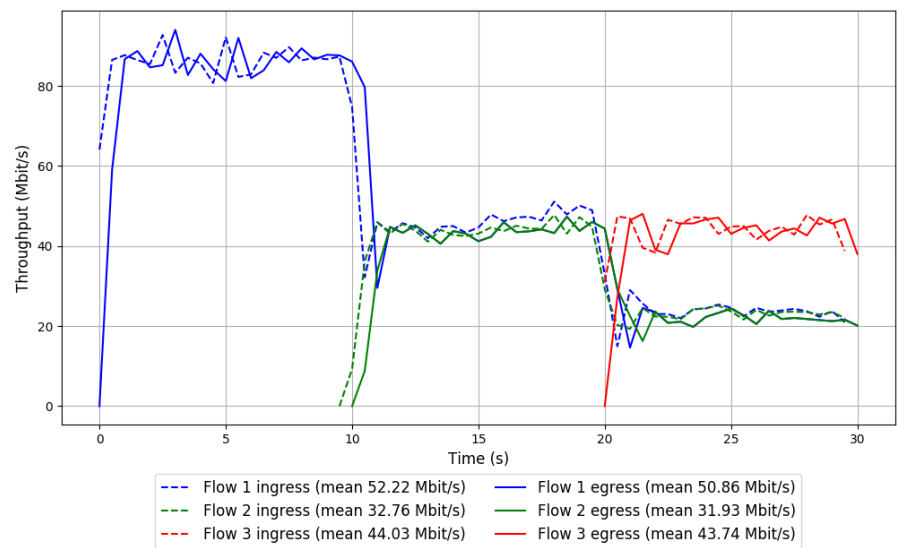


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 19:21:58
End at: 2018-08-22 19:22:28
Local clock offset: 1.255 ms
Remote clock offset: -64.974 ms

Below is generated by plot.py at 2018-08-22 22:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 54.357 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 50.86 Mbit/s
95th percentile per-packet one-way delay: 52.162 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 60.036 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 48.730 ms
Loss rate: 0.91%

Run 2: Report of FillP-Sheep — Data Link

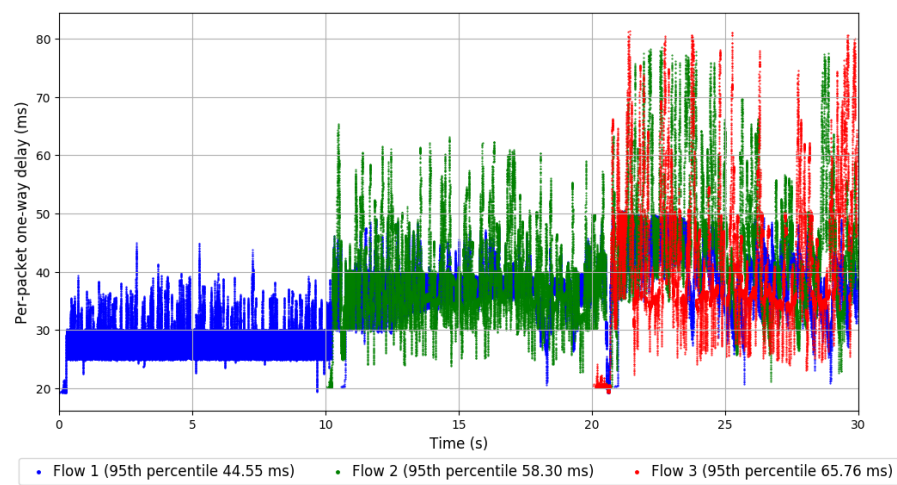
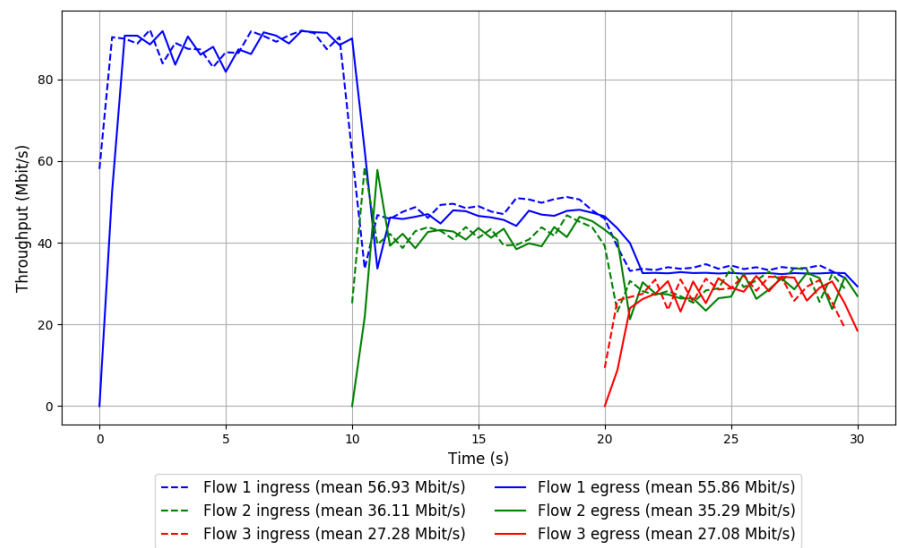


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 19:41:56
End at: 2018-08-22 19:42:26
Local clock offset: 0.434 ms
Remote clock offset: -65.854 ms

Below is generated by plot.py at 2018-08-22 22:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 50.015 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 44.553 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 58.298 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 65.762 ms
Loss rate: 1.22%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 20:02:01

End at: 2018-08-22 20:02:31

Local clock offset: 0.851 ms

Remote clock offset: -63.552 ms

Below is generated by plot.py at 2018-08-22 22:31:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.24 Mbit/s

95th percentile per-packet one-way delay: 55.492 ms

Loss rate: 2.52%

-- Flow 1:

Average throughput: 52.39 Mbit/s

95th percentile per-packet one-way delay: 43.575 ms

Loss rate: 2.09%

-- Flow 2:

Average throughput: 33.39 Mbit/s

95th percentile per-packet one-way delay: 64.261 ms

Loss rate: 3.93%

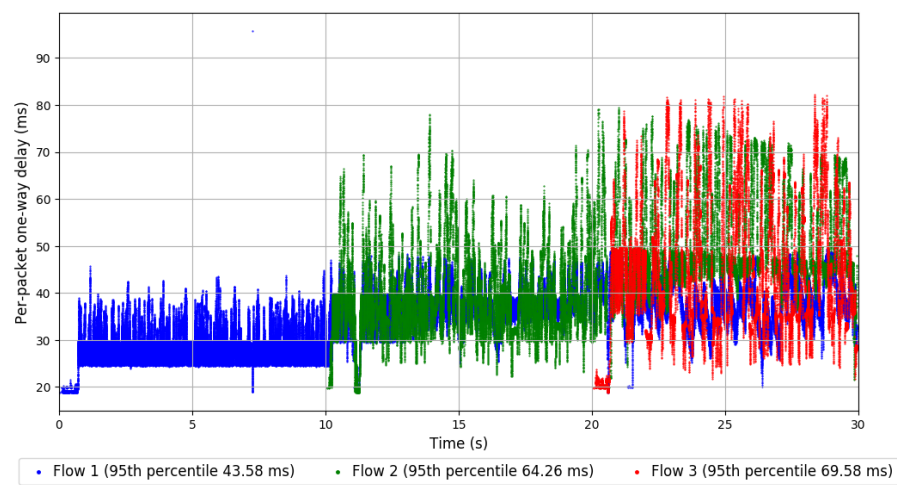
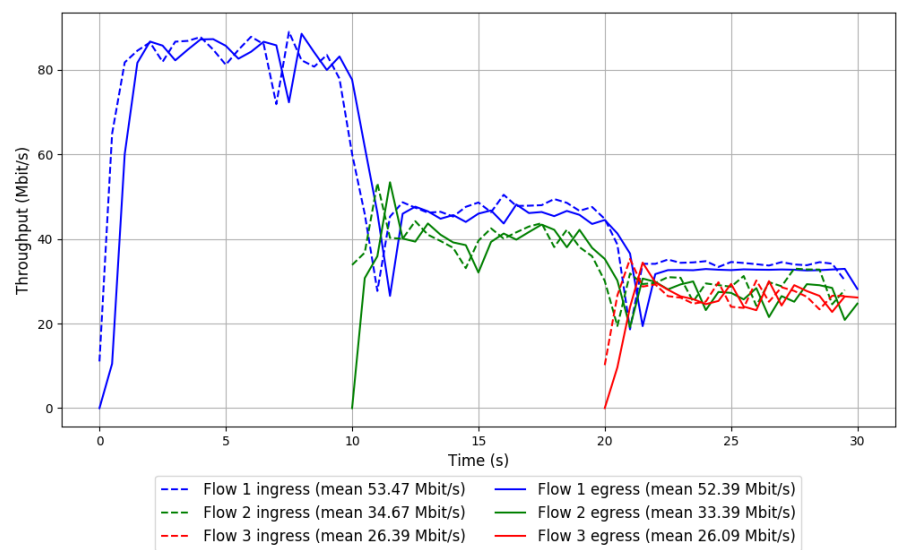
-- Flow 3:

Average throughput: 26.09 Mbit/s

95th percentile per-packet one-way delay: 69.583 ms

Loss rate: 1.36%

Run 4: Report of FillP-Sheep — Data Link

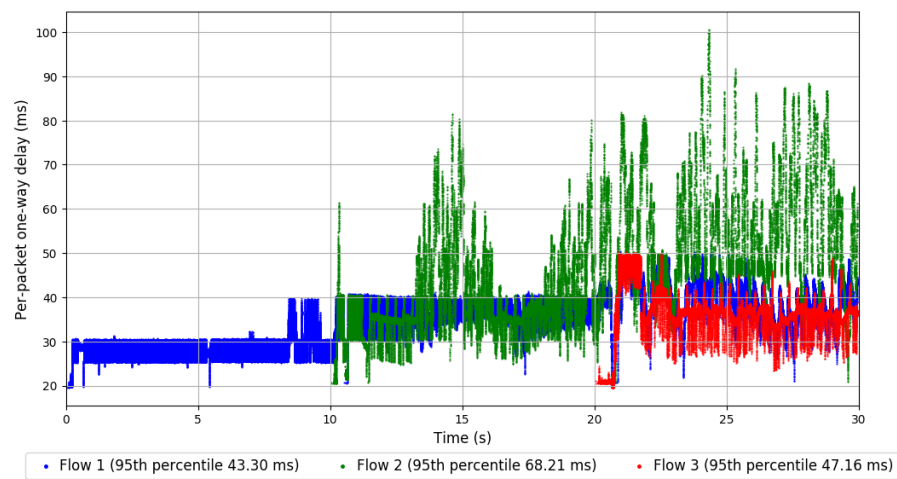
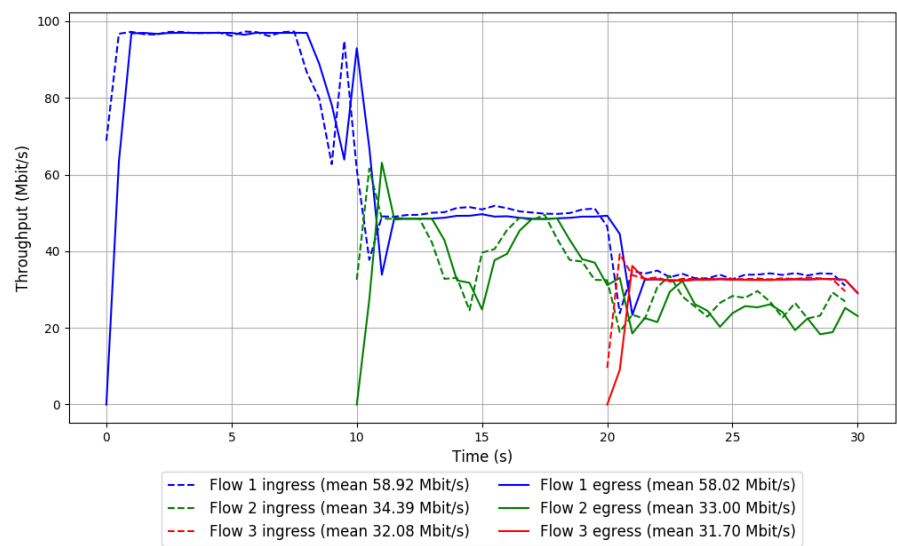


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 20:21:54
End at: 2018-08-22 20:22:24
Local clock offset: 1.603 ms
Remote clock offset: -63.032 ms

Below is generated by plot.py at 2018-08-22 22:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 50.703 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 58.02 Mbit/s
95th percentile per-packet one-way delay: 43.305 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 68.209 ms
Loss rate: 4.24%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 47.161 ms
Loss rate: 1.33%

Run 5: Report of FillP-Sheep — Data Link

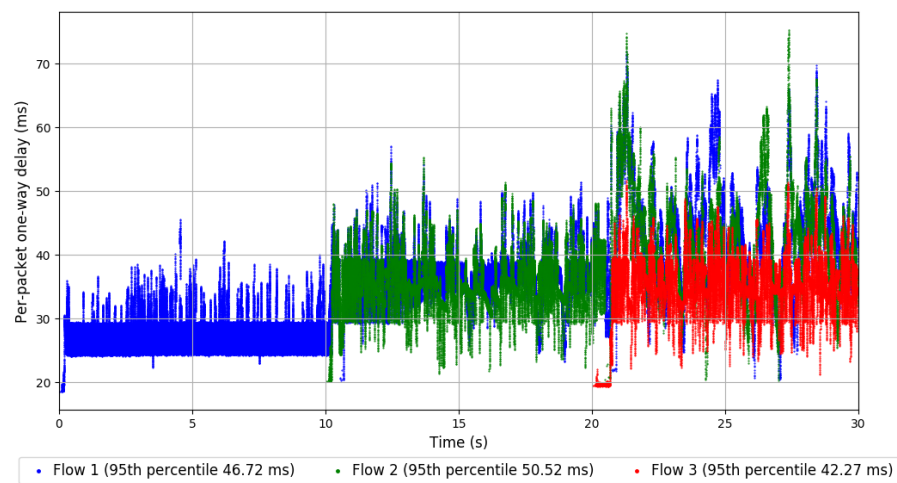
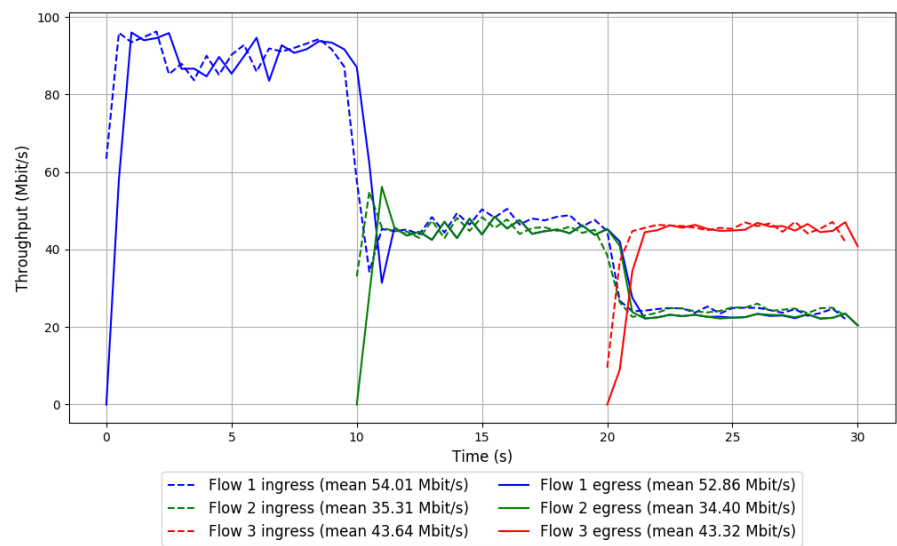


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 20:41:41
End at: 2018-08-22 20:42:11
Local clock offset: 0.763 ms
Remote clock offset: -64.432 ms

Below is generated by plot.py at 2018-08-22 22:31:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.09 Mbit/s
95th percentile per-packet one-way delay: 47.153 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 46.715 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 34.40 Mbit/s
95th percentile per-packet one-way delay: 50.525 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 43.32 Mbit/s
95th percentile per-packet one-way delay: 42.273 ms
Loss rate: 0.97%

Run 6: Report of FillP-Sheep — Data Link

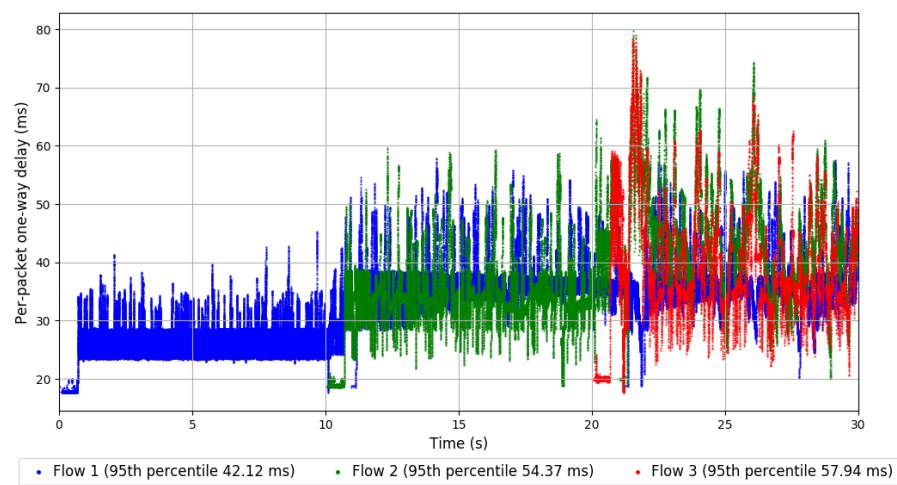
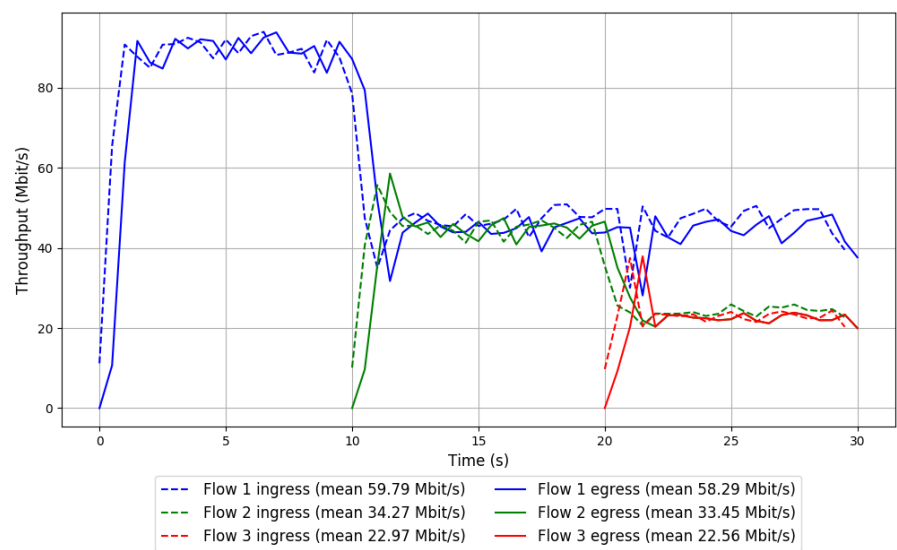


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 21:01:57
End at: 2018-08-22 21:02:27
Local clock offset: 1.041 ms
Remote clock offset: -64.438 ms

Below is generated by plot.py at 2018-08-22 22:32:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.03 Mbit/s
95th percentile per-packet one-way delay: 48.258 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 42.124 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 54.374 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 57.941 ms
Loss rate: 2.02%

Run 7: Report of FillP-Sheep — Data Link

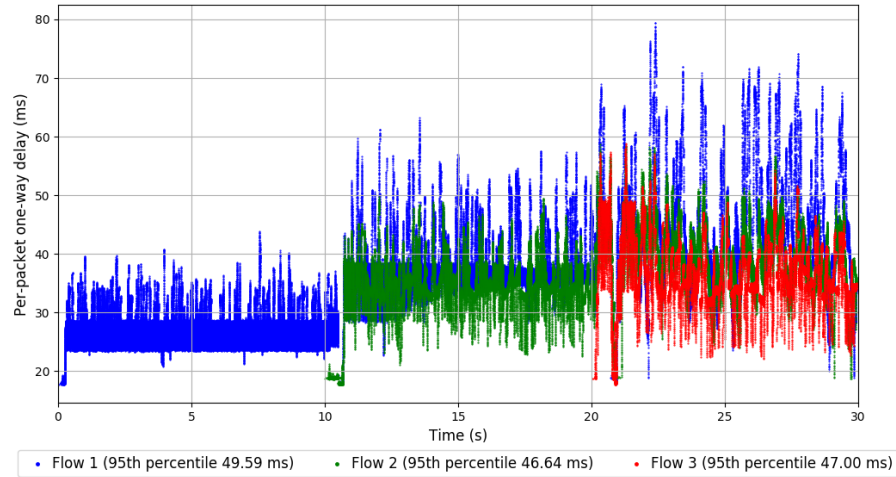
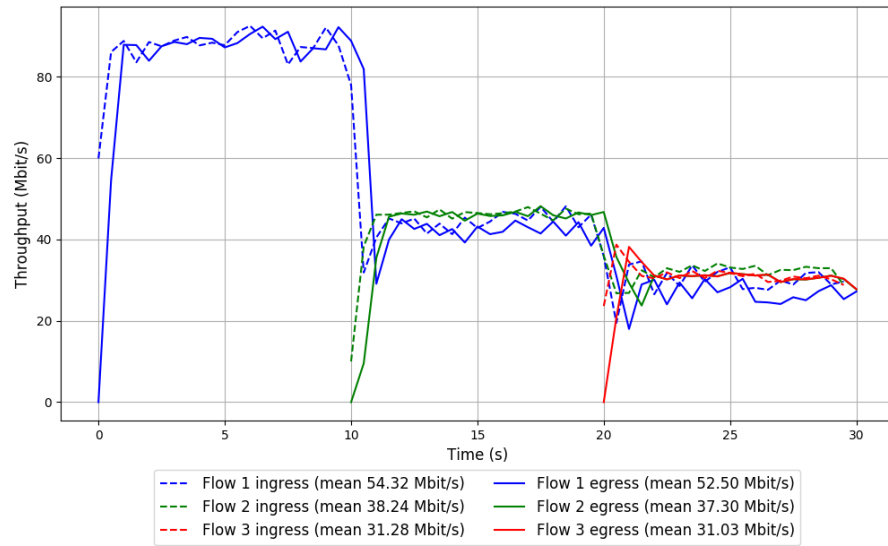


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 21:22:04
End at: 2018-08-22 21:22:34
Local clock offset: -1.055 ms
Remote clock offset: -65.285 ms

Below is generated by plot.py at 2018-08-22 22:32:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 47.863 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 49.591 ms
Loss rate: 3.44%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 46.643 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 47.002 ms
Loss rate: 1.03%

Run 8: Report of FillP-Sheep — Data Link

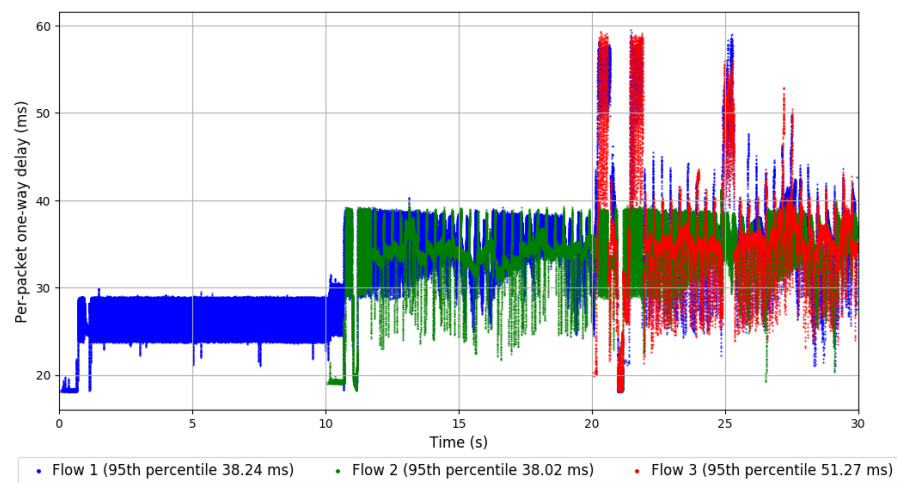
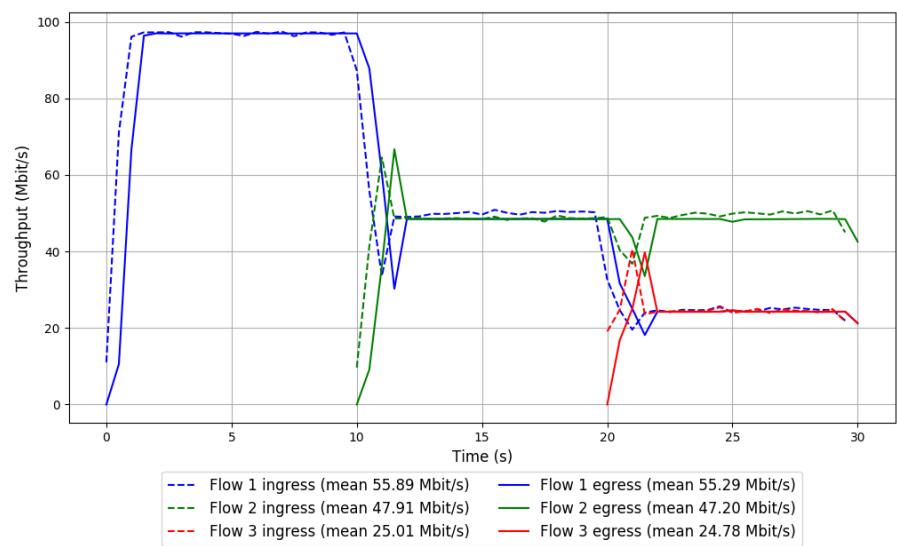


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 21:42:19
End at: 2018-08-22 21:42:49
Local clock offset: 0.291 ms
Remote clock offset: -63.723 ms

Below is generated by plot.py at 2018-08-22 22:32:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 38.427 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 38.244 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 38.017 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 51.275 ms
Loss rate: 1.17%

Run 9: Report of FillP-Sheep — Data Link

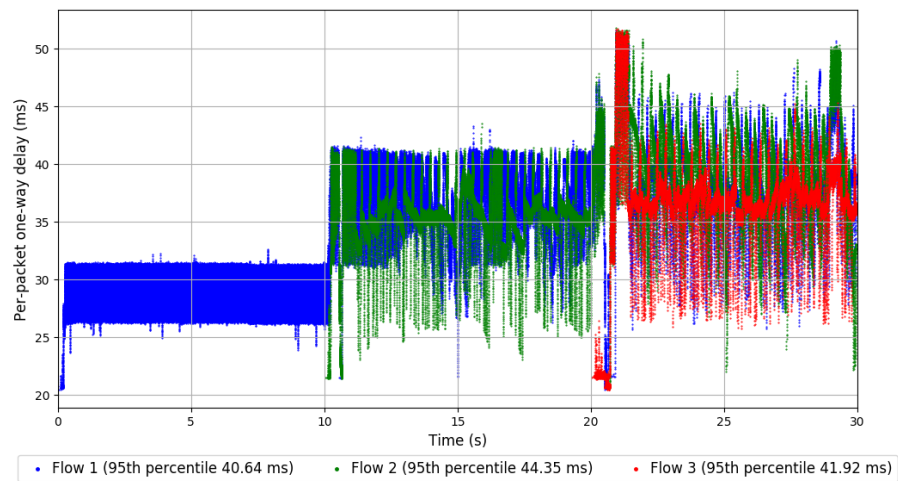
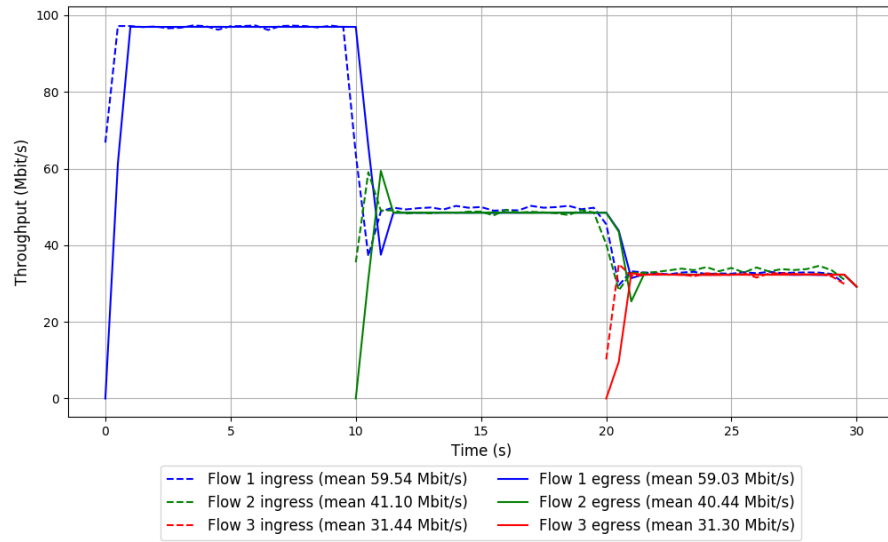


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 22:02:19
End at: 2018-08-22 22:02:49
Local clock offset: 3.902 ms
Remote clock offset: -62.948 ms

Below is generated by plot.py at 2018-08-22 22:33:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 42.287 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 59.03 Mbit/s
95th percentile per-packet one-way delay: 40.640 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 44.348 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 41.916 ms
Loss rate: 0.67%

Run 10: Report of FillP-Sheep — Data Link

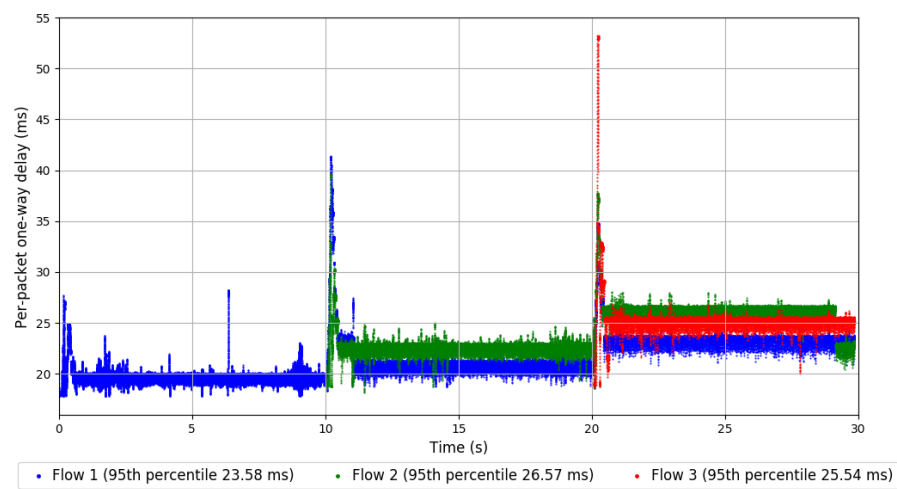
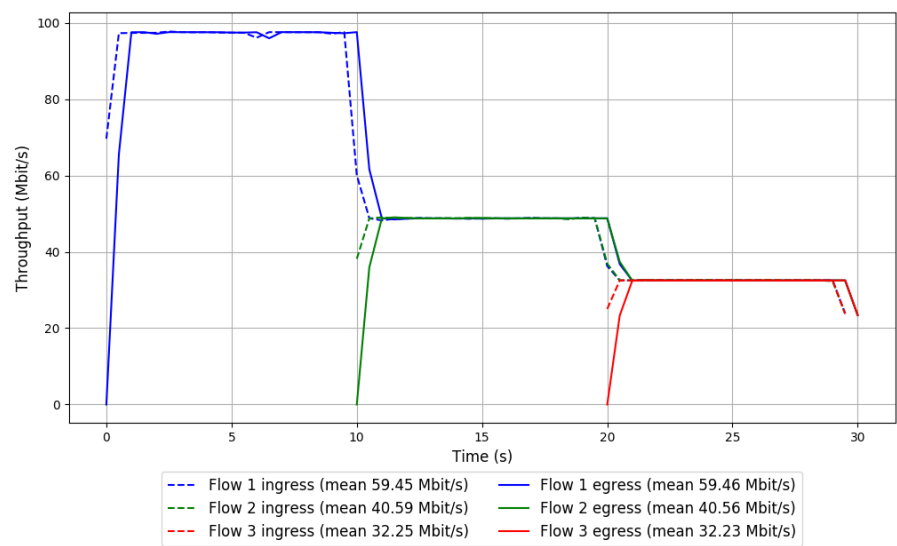


```
Run 1: Statistics of Indigo

Start at: 2018-08-22 19:07:44
End at: 2018-08-22 19:08:14
Local clock offset: 0.165 ms
Remote clock offset: -63.727 ms

# Below is generated by plot.py at 2018-08-22 22:33:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 26.440 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 23.580 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 26.565 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 25.538 ms
Loss rate: 0.33%
```

Run 1: Report of Indigo — Data Link

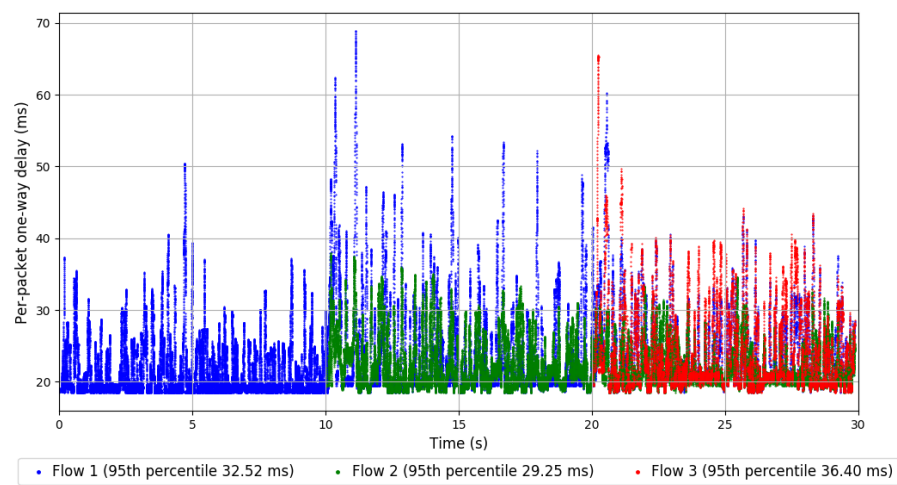
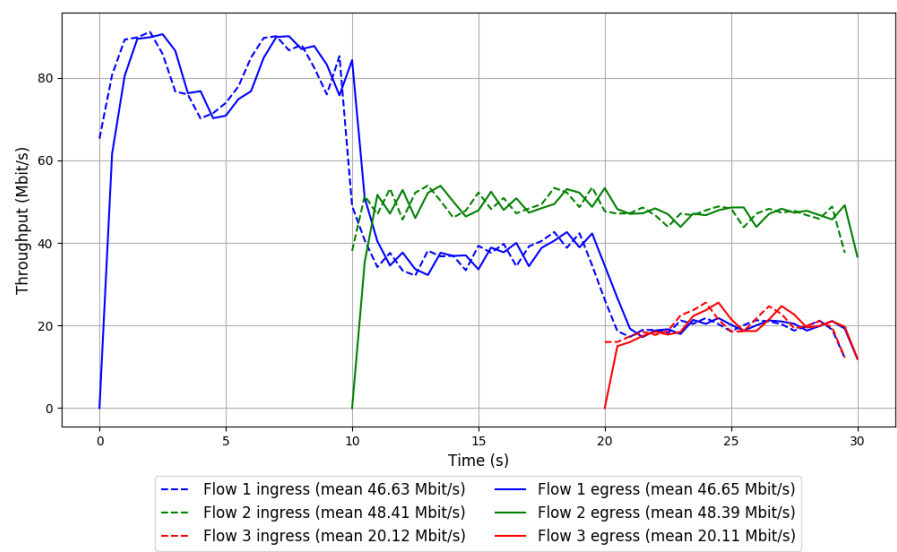


Run 2: Statistics of Indigo

Start at: 2018-08-22 19:27:58
End at: 2018-08-22 19:28:28
Local clock offset: -0.119 ms
Remote clock offset: -65.125 ms

Below is generated by plot.py at 2018-08-22 22:33:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 31.411 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 32.517 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 29.252 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 20.11 Mbit/s
95th percentile per-packet one-way delay: 36.398 ms
Loss rate: 0.27%

Run 2: Report of Indigo — Data Link

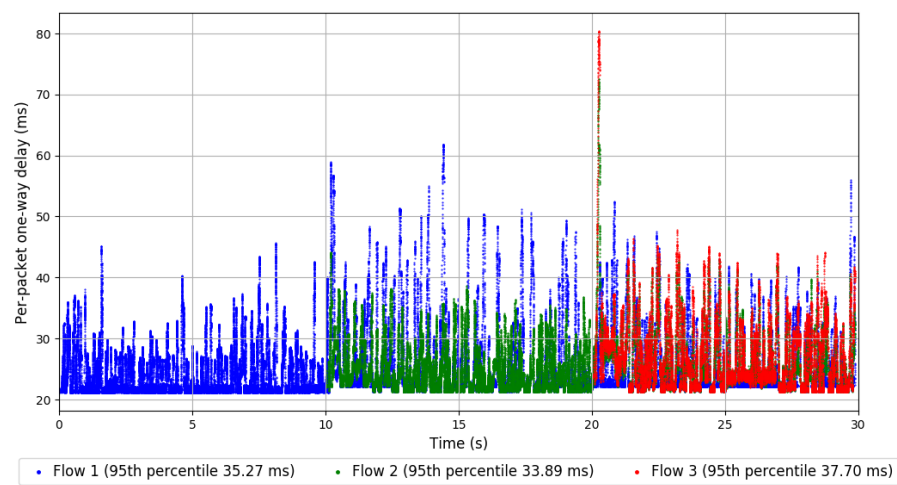
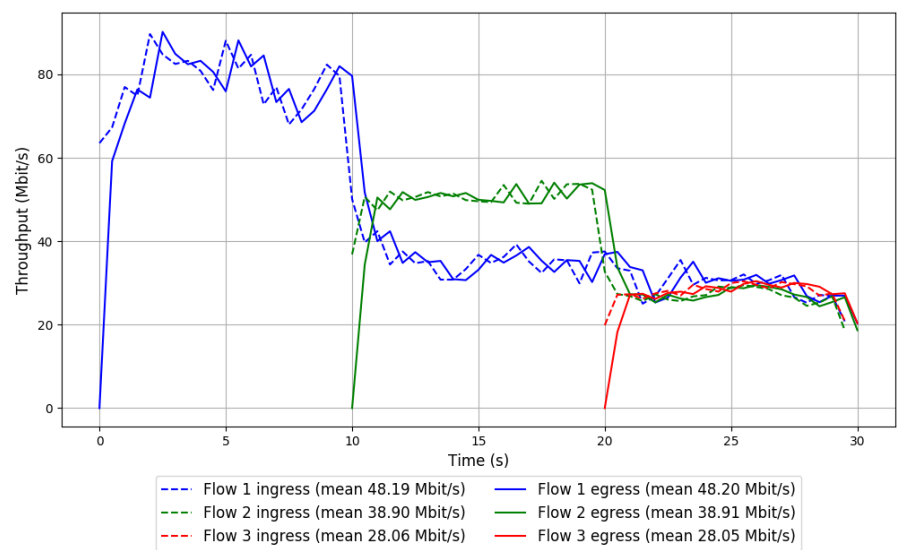


Run 3: Statistics of Indigo

Start at: 2018-08-22 19:47:49
End at: 2018-08-22 19:48:19
Local clock offset: 3.069 ms
Remote clock offset: -64.837 ms

Below is generated by plot.py at 2018-08-22 22:33:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.28 Mbit/s
95th percentile per-packet one-way delay: 35.129 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 35.275 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 33.889 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 37.697 ms
Loss rate: 0.33%

Run 3: Report of Indigo — Data Link

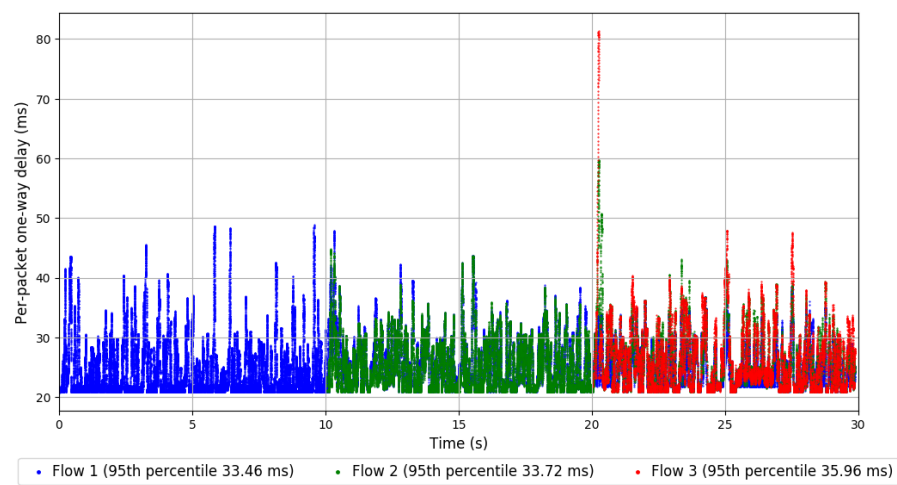
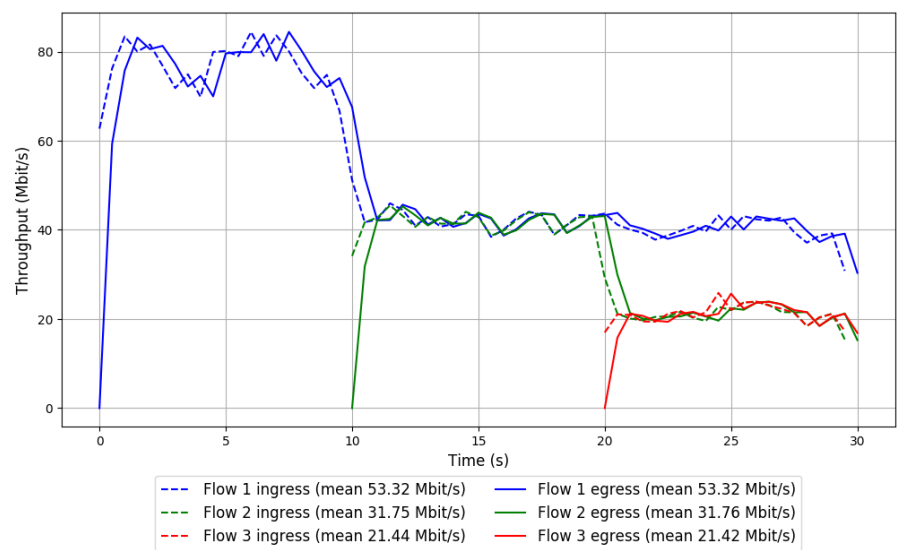


Run 4: Statistics of Indigo

Start at: 2018-08-22 20:07:52
End at: 2018-08-22 20:08:22
Local clock offset: 2.137 ms
Remote clock offset: -63.838 ms

Below is generated by plot.py at 2018-08-22 22:33:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 33.728 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 33.457 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 33.716 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 35.957 ms
Loss rate: 0.35%

Run 4: Report of Indigo — Data Link

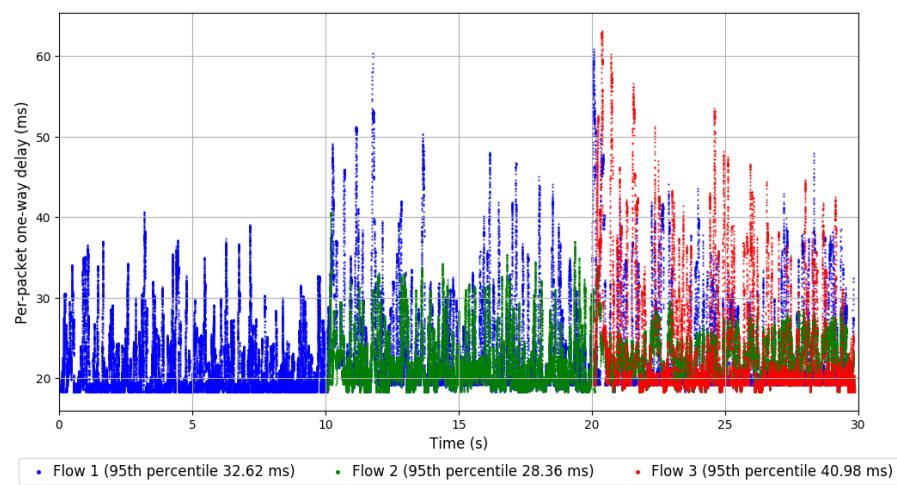
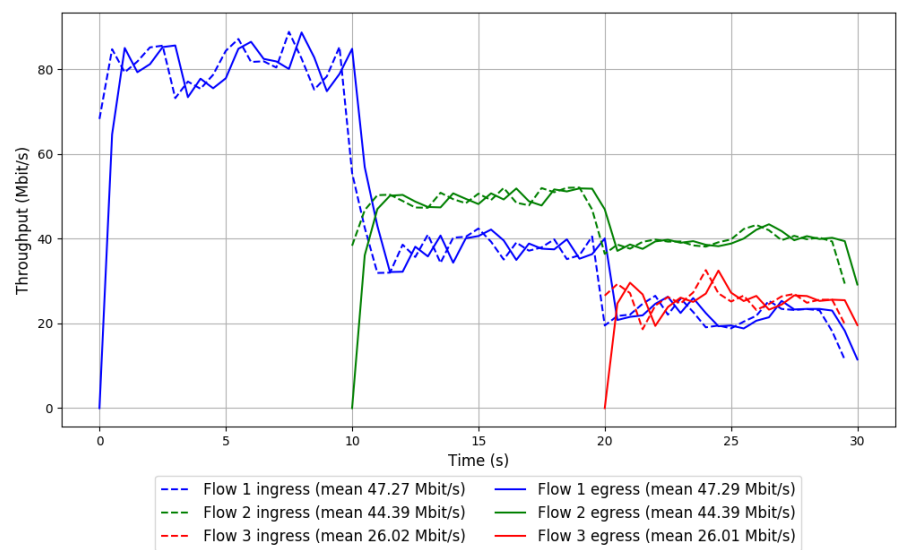


Run 5: Statistics of Indigo

Start at: 2018-08-22 20:27:45
End at: 2018-08-22 20:28:15
Local clock offset: 0.484 ms
Remote clock offset: -63.316 ms

```
# Below is generated by plot.py at 2018-08-22 22:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 31.941 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 32.622 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 28.359 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 40.983 ms
Loss rate: 0.31%
```

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-22 20:47:36

End at: 2018-08-22 20:48:06

Local clock offset: 3.032 ms

Remote clock offset: -63.3 ms

Below is generated by plot.py at 2018-08-22 22:33:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.98 Mbit/s

95th percentile per-packet one-way delay: 32.823 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 51.49 Mbit/s

95th percentile per-packet one-way delay: 32.847 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 42.78 Mbit/s

95th percentile per-packet one-way delay: 30.117 ms

Loss rate: 0.13%

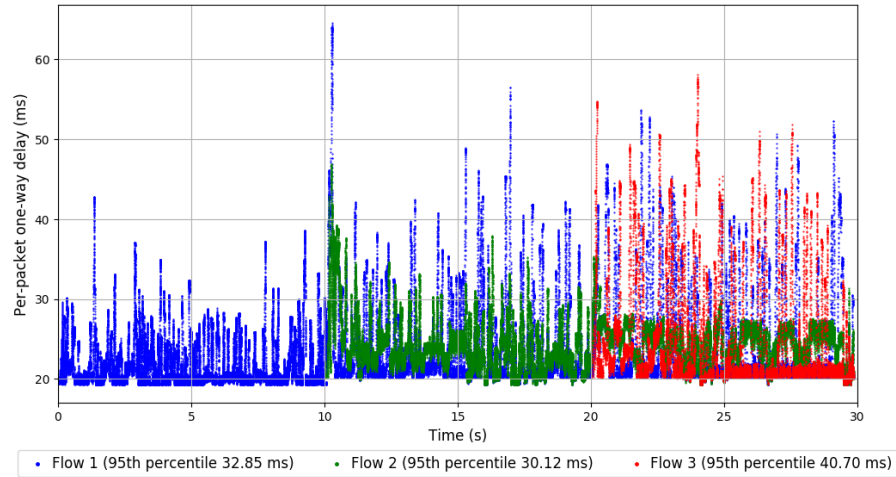
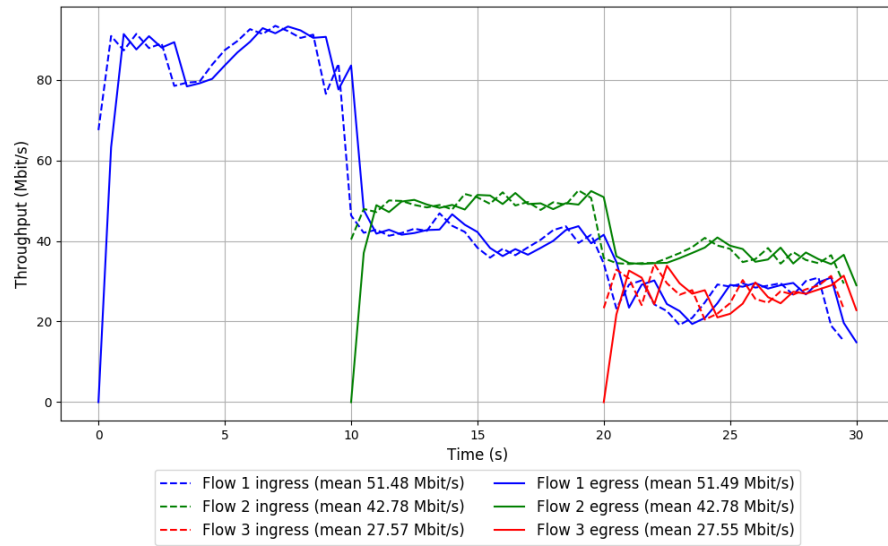
-- Flow 3:

Average throughput: 27.55 Mbit/s

95th percentile per-packet one-way delay: 40.698 ms

Loss rate: 0.31%

Run 6: Report of Indigo — Data Link

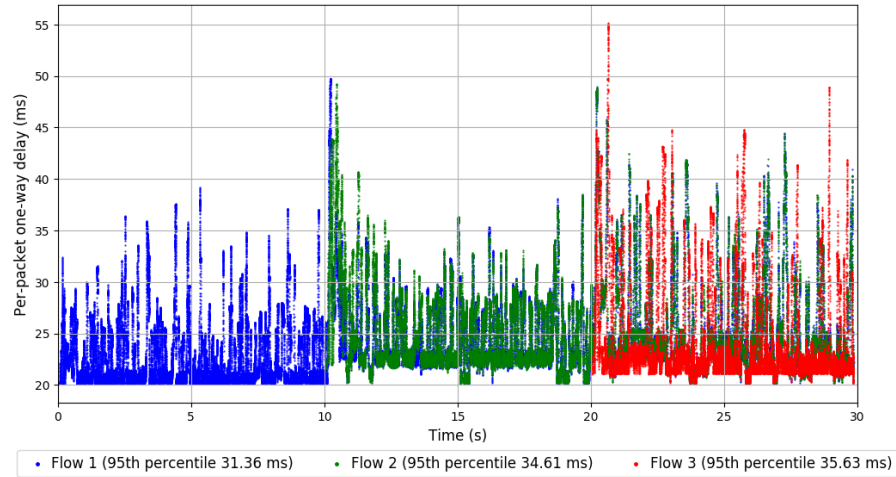
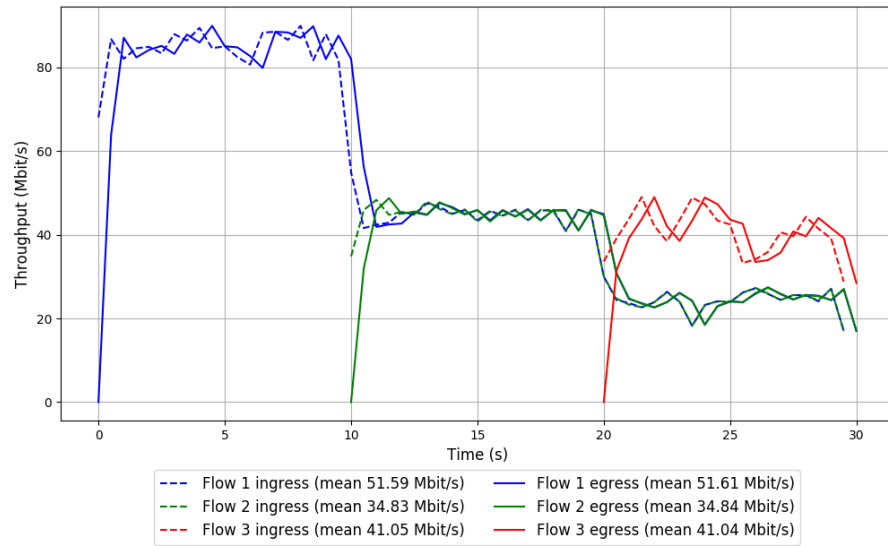


Run 7: Statistics of Indigo

Start at: 2018-08-22 21:07:55
End at: 2018-08-22 21:08:25
Local clock offset: 3.063 ms
Remote clock offset: -64.639 ms

Below is generated by plot.py at 2018-08-22 22:33:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 32.877 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 51.61 Mbit/s
95th percentile per-packet one-way delay: 31.362 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 34.614 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 35.634 ms
Loss rate: 0.26%

Run 7: Report of Indigo — Data Link

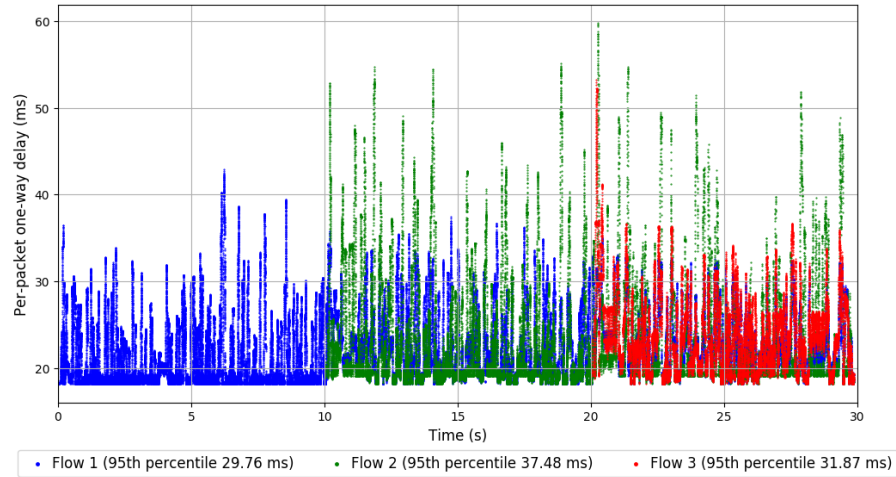
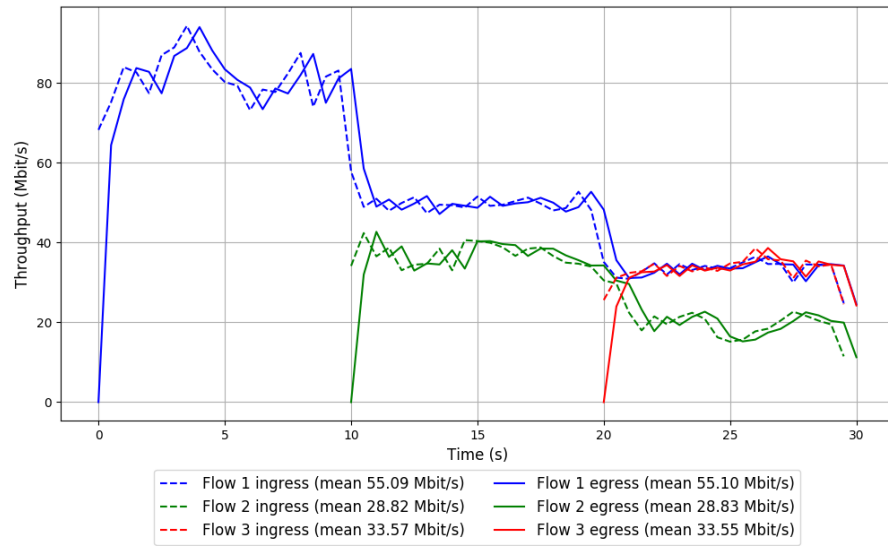


Run 8: Statistics of Indigo

Start at: 2018-08-22 21:28:02
End at: 2018-08-22 21:28:32
Local clock offset: 0.29 ms
Remote clock offset: -64.091 ms

Below is generated by plot.py at 2018-08-22 22:33:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 31.308 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.10 Mbit/s
95th percentile per-packet one-way delay: 29.763 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 28.83 Mbit/s
95th percentile per-packet one-way delay: 37.484 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 31.874 ms
Loss rate: 0.30%

Run 8: Report of Indigo — Data Link

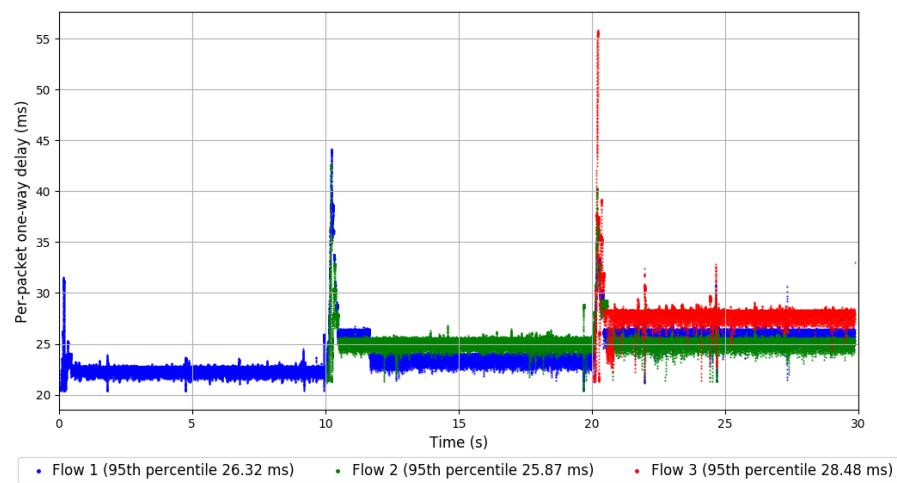
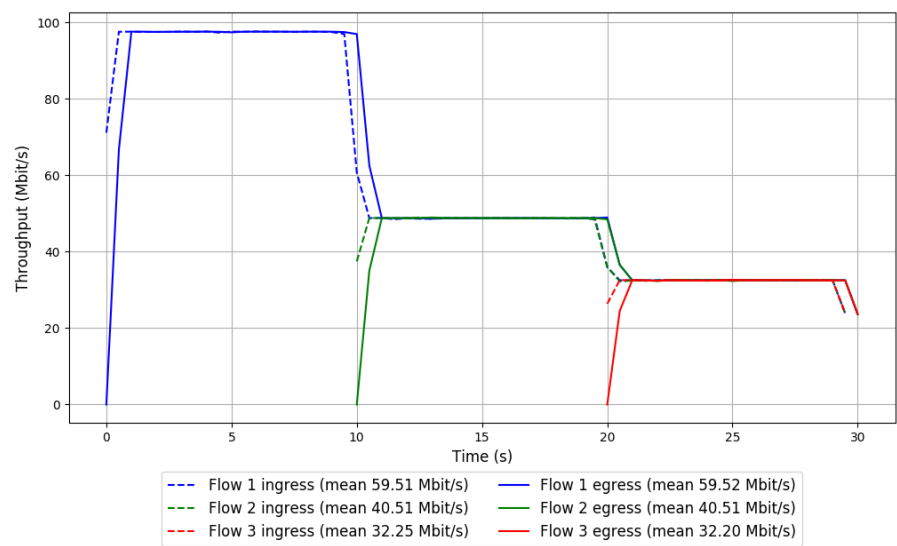


Run 9: Statistics of Indigo

Start at: 2018-08-22 21:48:16
End at: 2018-08-22 21:48:46
Local clock offset: 3.737 ms
Remote clock offset: -62.697 ms

Below is generated by plot.py at 2018-08-22 22:34:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 28.144 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 26.319 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 25.870 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 28.483 ms
Loss rate: 0.32%

Run 9: Report of Indigo — Data Link

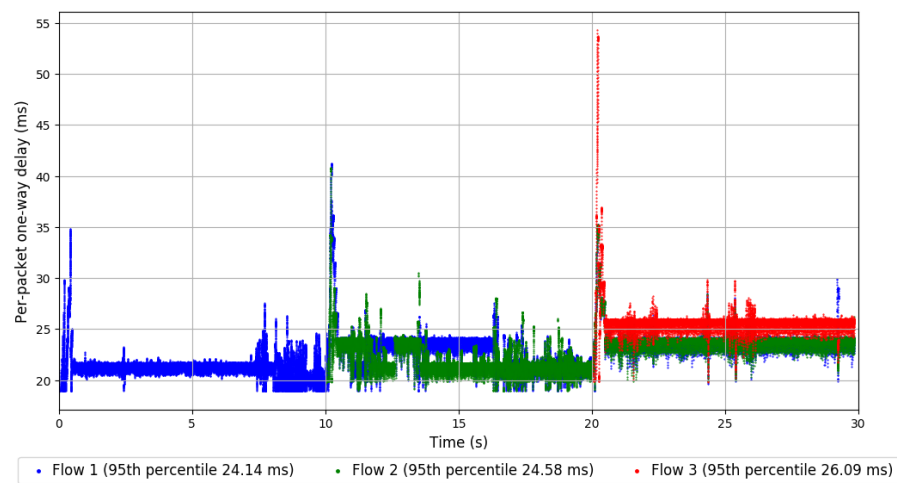
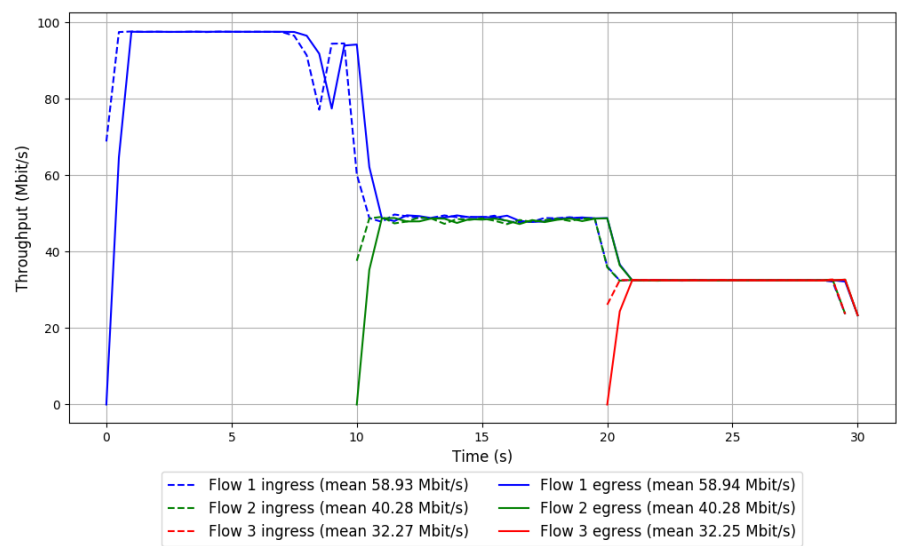


Run 10: Statistics of Indigo

Start at: 2018-08-22 22:08:17
End at: 2018-08-22 22:08:47
Local clock offset: 1.737 ms
Remote clock offset: -62.797 ms

Below is generated by plot.py at 2018-08-22 22:34:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 25.857 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 24.141 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 24.578 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 26.087 ms
Loss rate: 0.32%

Run 10: Report of Indigo — Data Link

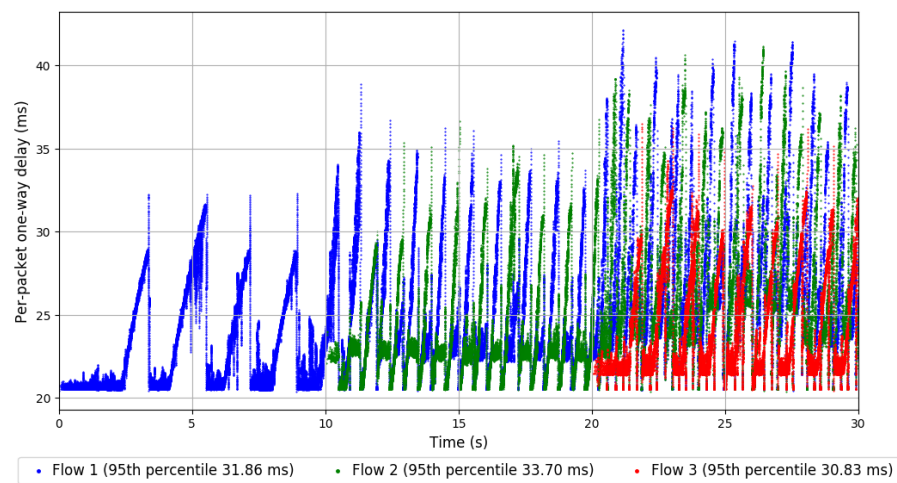
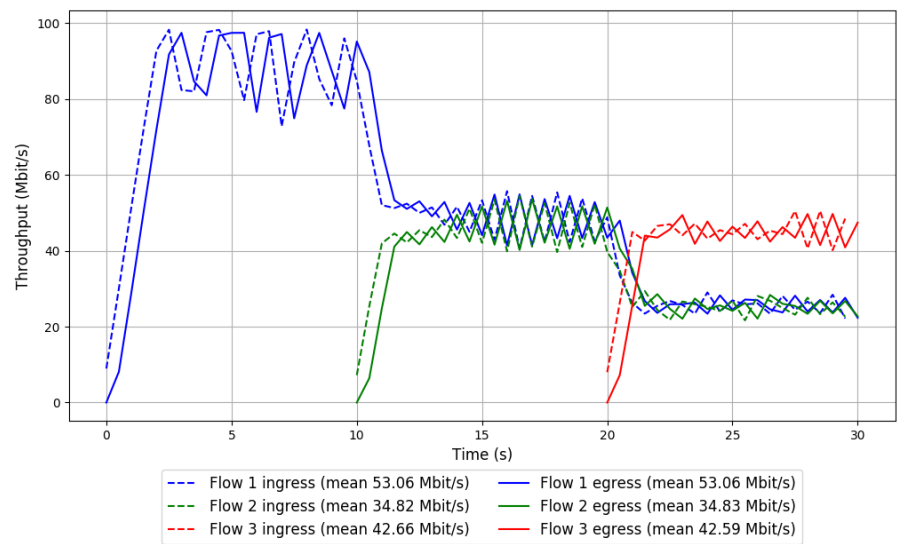


Run 1: Statistics of LEDBAT

Start at: 2018-08-22 19:02:21
End at: 2018-08-22 19:02:51
Local clock offset: 2.198 ms
Remote clock offset: -64.554 ms

Below is generated by plot.py at 2018-08-22 22:34:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 32.041 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 31.859 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 33.695 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 30.834 ms
Loss rate: 0.41%

Run 1: Report of LEDBAT — Data Link

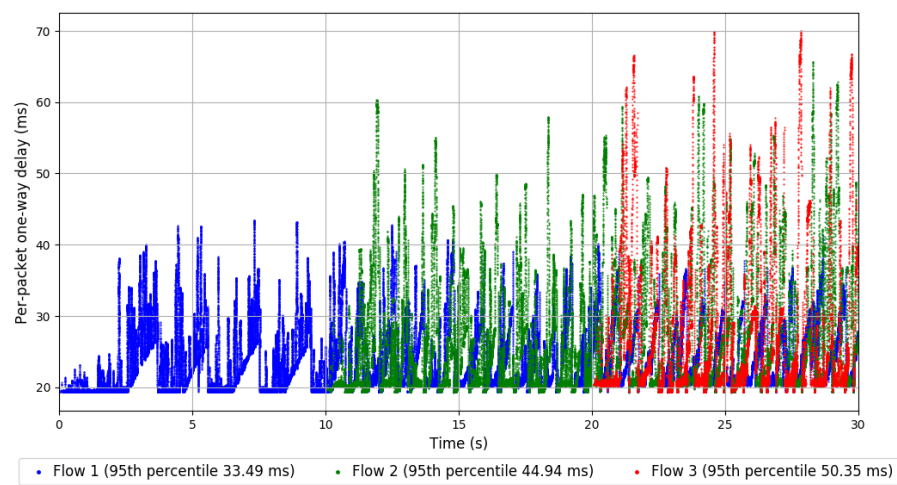
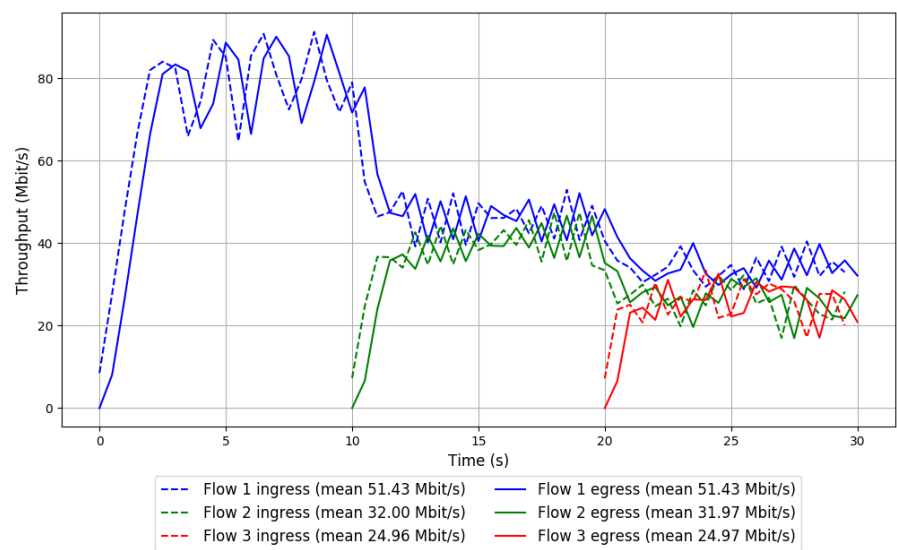


Run 2: Statistics of LEDBAT

Start at: 2018-08-22 19:23:09
End at: 2018-08-22 19:23:39
Local clock offset: 0.884 ms
Remote clock offset: -64.884 ms

Below is generated by plot.py at 2018-08-22 22:34:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 37.979 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 33.489 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 44.941 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 50.354 ms
Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link

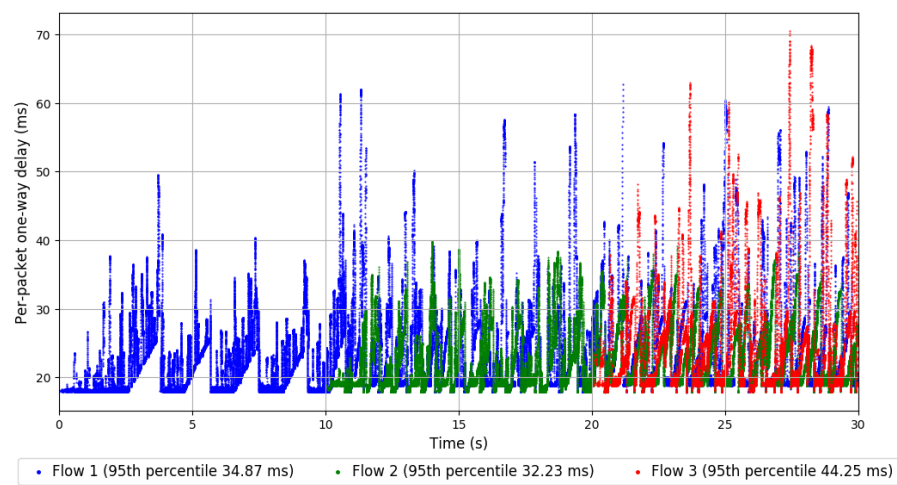
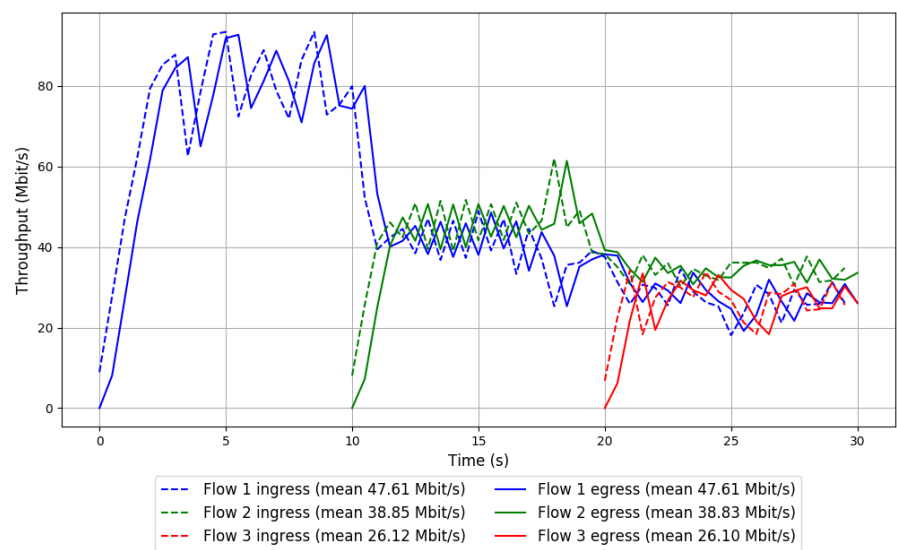


Run 3: Statistics of LEDBAT

Start at: 2018-08-22 19:43:08
End at: 2018-08-22 19:43:38
Local clock offset: -0.492 ms
Remote clock offset: -65.359 ms

Below is generated by plot.py at 2018-08-22 22:34:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.13 Mbit/s
95th percentile per-packet one-way delay: 34.279 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 34.870 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 32.228 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 44.254 ms
Loss rate: 0.32%

Run 3: Report of LEDBAT — Data Link

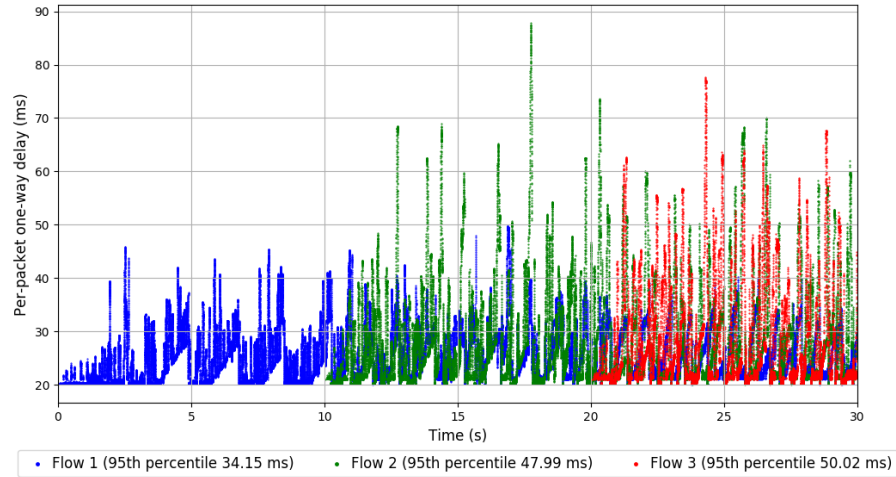
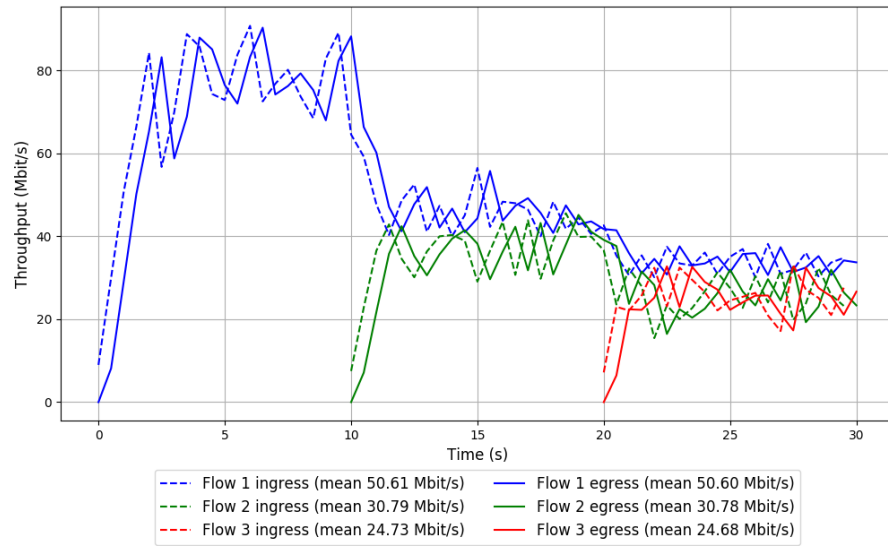


Run 4: Statistics of LEDBAT

Start at: 2018-08-22 20:03:12
End at: 2018-08-22 20:03:42
Local clock offset: 2.042 ms
Remote clock offset: -63.457 ms

Below is generated by plot.py at 2018-08-22 22:34:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 40.154 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 50.60 Mbit/s
95th percentile per-packet one-way delay: 34.147 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 47.993 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 50.017 ms
Loss rate: 0.45%

Run 4: Report of LEDBAT — Data Link

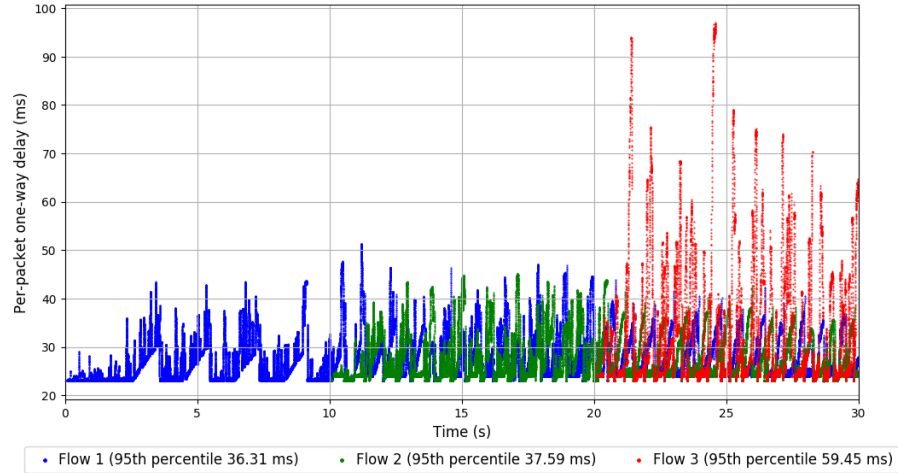
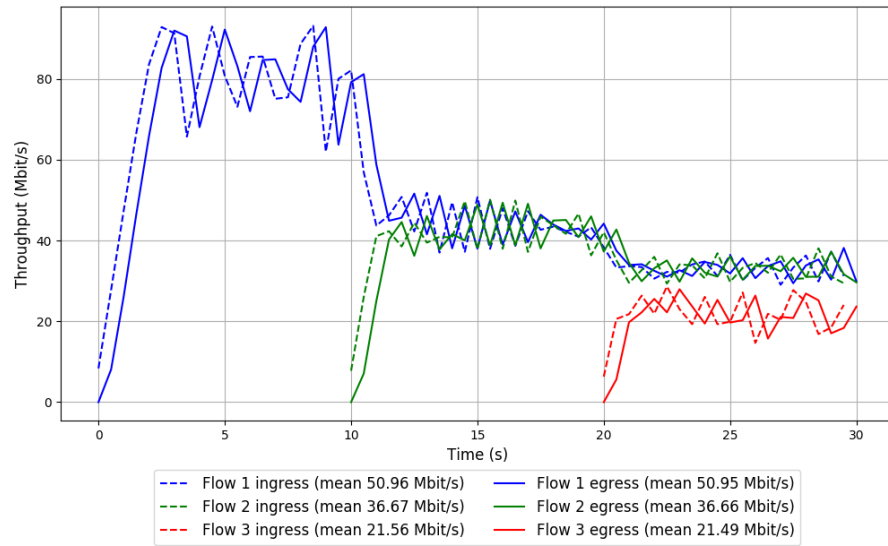


Run 5: Statistics of LEDBAT

Start at: 2018-08-22 20:23:04
End at: 2018-08-22 20:23:34
Local clock offset: -0.194 ms
Remote clock offset: -68.214 ms

Below is generated by plot.py at 2018-08-22 22:34:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 38.323 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 36.314 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 37.586 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 21.49 Mbit/s
95th percentile per-packet one-way delay: 59.447 ms
Loss rate: 0.50%

Run 5: Report of LEDBAT — Data Link

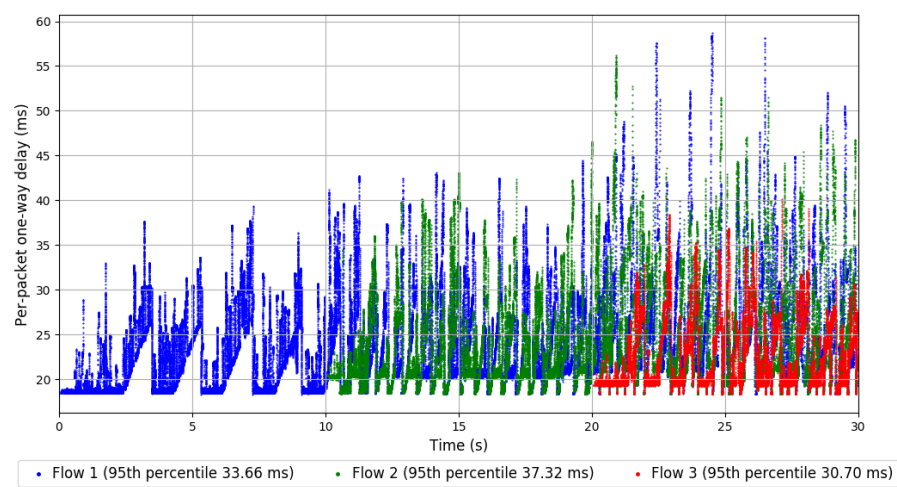
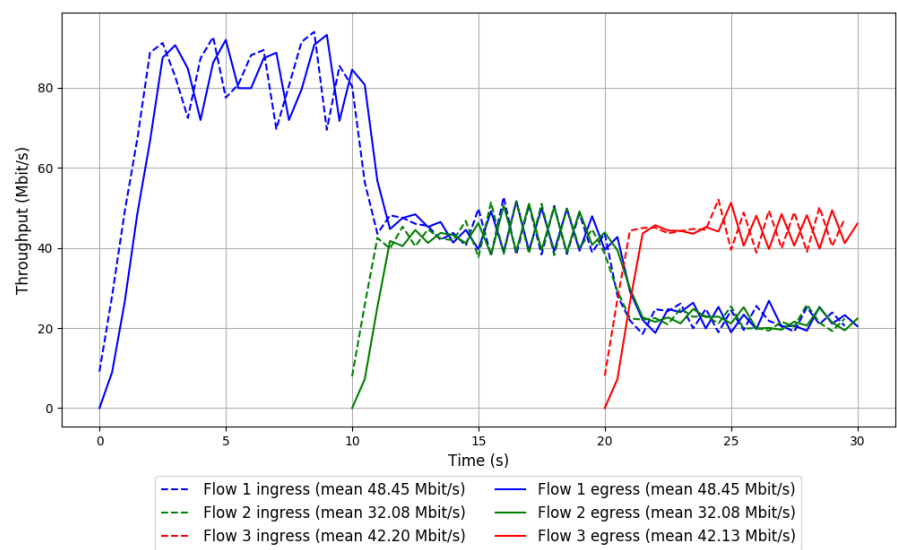


Run 6: Statistics of LEDBAT

Start at: 2018-08-22 20:42:50
End at: 2018-08-22 20:43:20
Local clock offset: 1.08 ms
Remote clock offset: -63.957 ms

Below is generated by plot.py at 2018-08-22 22:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 34.296 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 33.656 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 37.320 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 30.698 ms
Loss rate: 0.40%

Run 6: Report of LEDBAT — Data Link

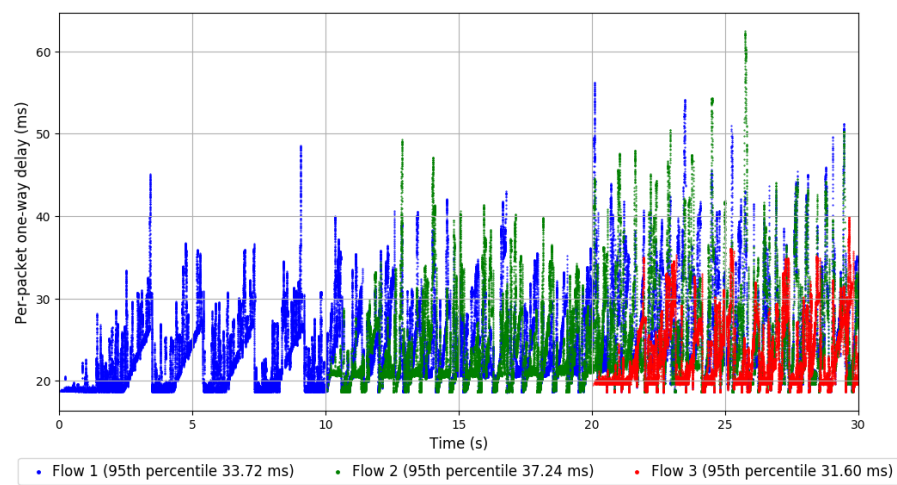
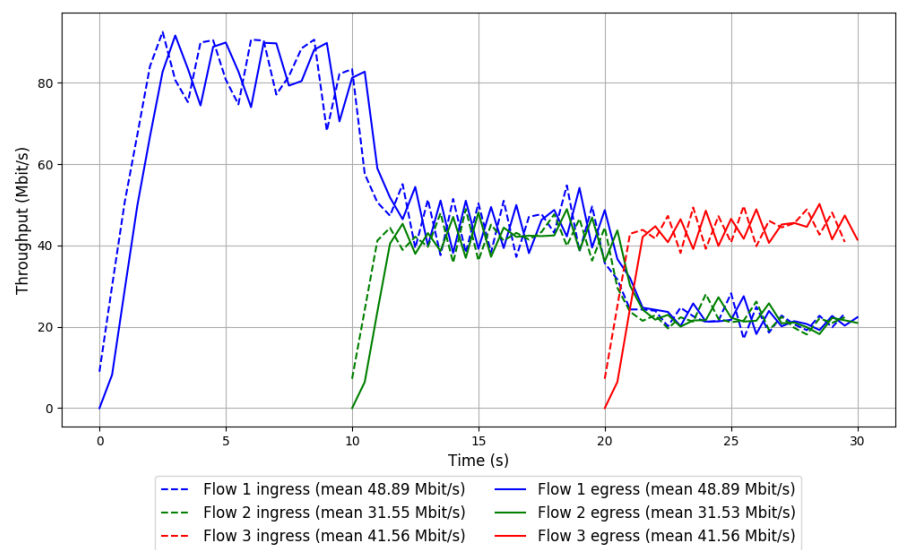


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 21:03:08
End at: 2018-08-22 21:03:38
Local clock offset: 2.292 ms
Remote clock offset: -64.123 ms

Below is generated by plot.py at 2018-08-22 22:35:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.68 Mbit/s
95th percentile per-packet one-way delay: 34.169 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 33.716 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 37.239 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 41.56 Mbit/s
95th percentile per-packet one-way delay: 31.599 ms
Loss rate: 0.29%

Run 7: Report of LEDBAT — Data Link

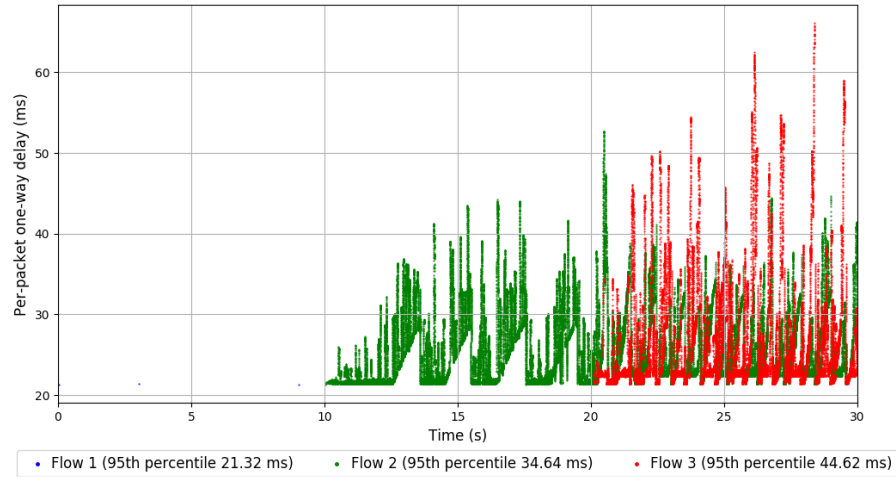
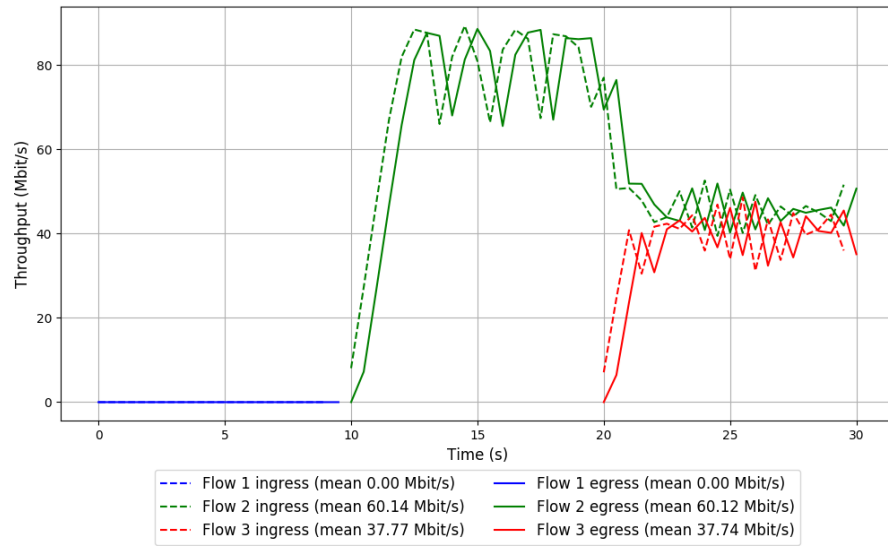


Run 8: Statistics of LEDBAT

Start at: 2018-08-22 21:23:13
End at: 2018-08-22 21:23:43
Local clock offset: 2.827 ms
Remote clock offset: -64.897 ms

Below is generated by plot.py at 2018-08-22 22:35:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 36.387 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 21.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 34.639 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 44.615 ms
Loss rate: 0.35%

Run 8: Report of LEDBAT — Data Link

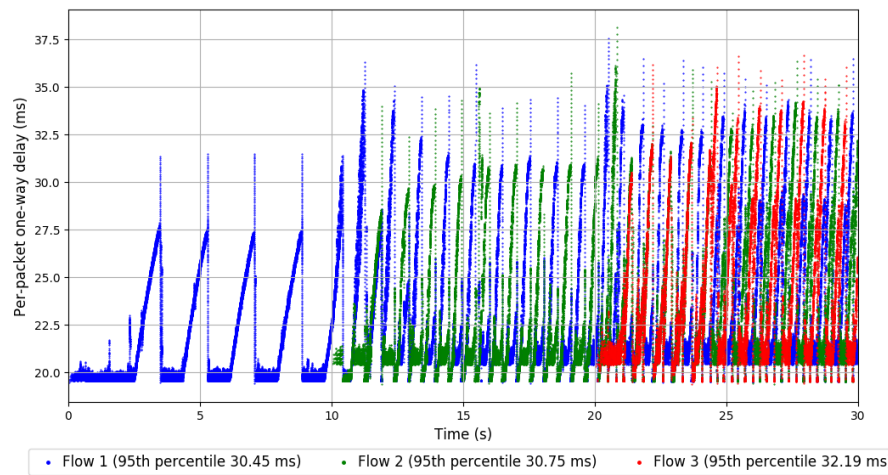
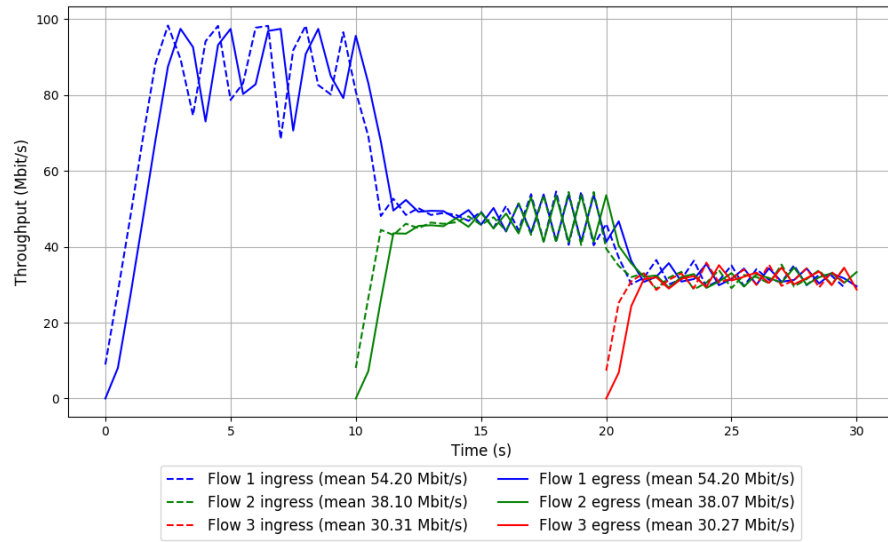


Run 9: Statistics of LEDBAT

Start at: 2018-08-22 21:43:31
End at: 2018-08-22 21:44:01
Local clock offset: 1.467 ms
Remote clock offset: -63.912 ms

Below is generated by plot.py at 2018-08-22 22:35:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 30.813 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 30.446 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 30.750 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 32.185 ms
Loss rate: 0.39%

Run 9: Report of LEDBAT — Data Link

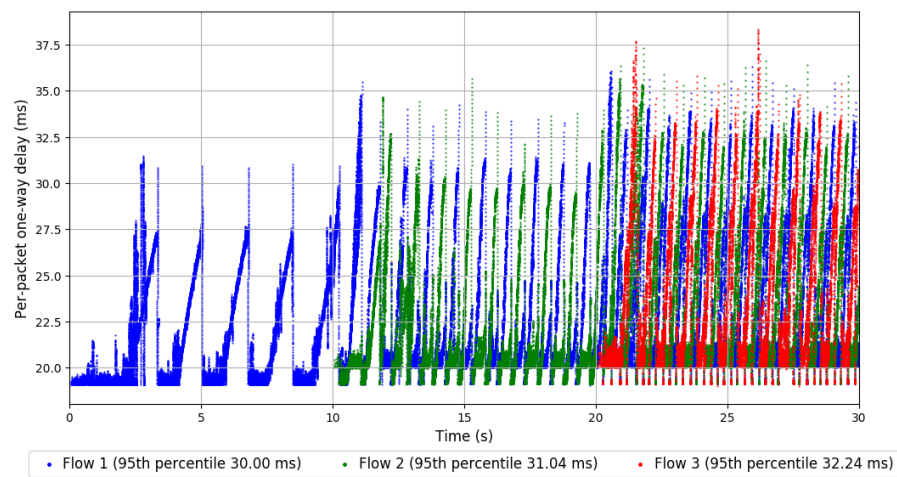
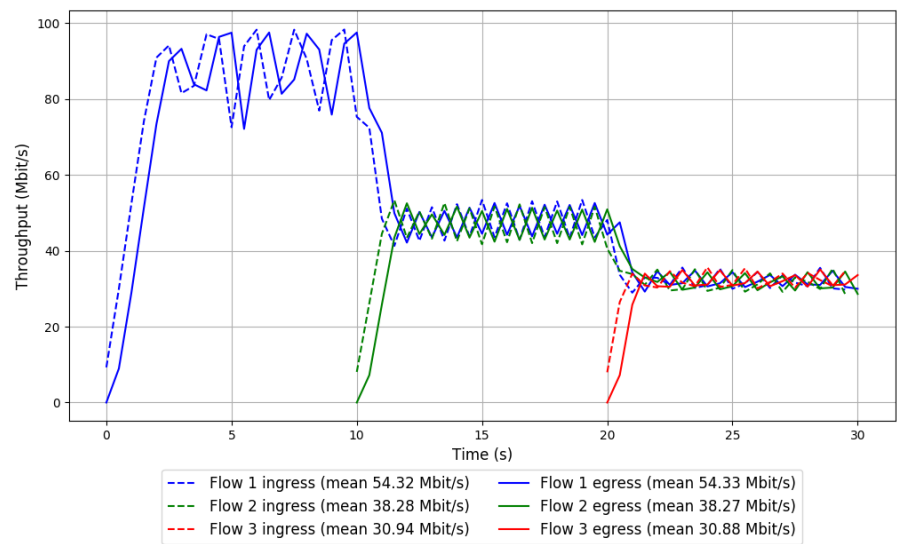


Run 10: Statistics of LEDBAT

Start at: 2018-08-22 22:03:29
End at: 2018-08-22 22:03:59
Local clock offset: 2.164 ms
Remote clock offset: -63.036 ms

Below is generated by plot.py at 2018-08-22 22:35:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.05 Mbit/s
95th percentile per-packet one-way delay: 30.638 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 29.996 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 31.035 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 32.244 ms
Loss rate: 0.43%

Run 10: Report of LEDBAT — Data Link

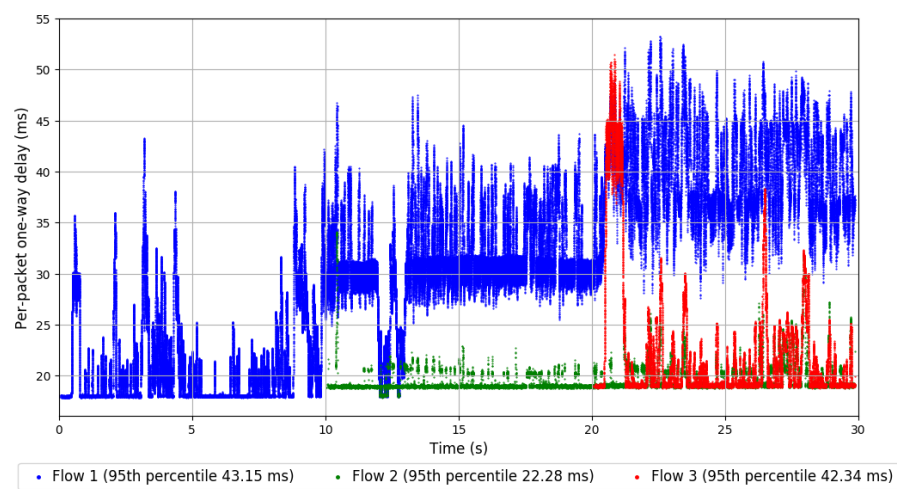
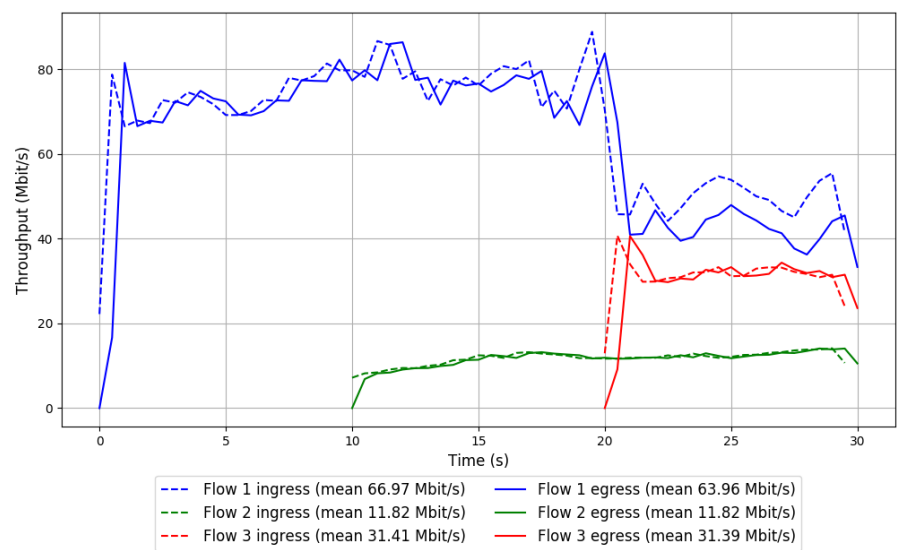


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 19:11:12
End at: 2018-08-22 19:11:42
Local clock offset: 0.899 ms
Remote clock offset: -62.924 ms

Below is generated by plot.py at 2018-08-22 22:35:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 42.629 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 43.149 ms
Loss rate: 4.58%
-- Flow 2:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 22.281 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 42.342 ms
Loss rate: 0.32%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 19:31:31

End at: 2018-08-22 19:32:01

Local clock offset: 2.057 ms

Remote clock offset: -64.657 ms

Below is generated by plot.py at 2018-08-22 22:35:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.57 Mbit/s

95th percentile per-packet one-way delay: 49.169 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 49.85 Mbit/s

95th percentile per-packet one-way delay: 52.397 ms

Loss rate: 1.91%

-- Flow 2:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: 23.362 ms

Loss rate: 0.16%

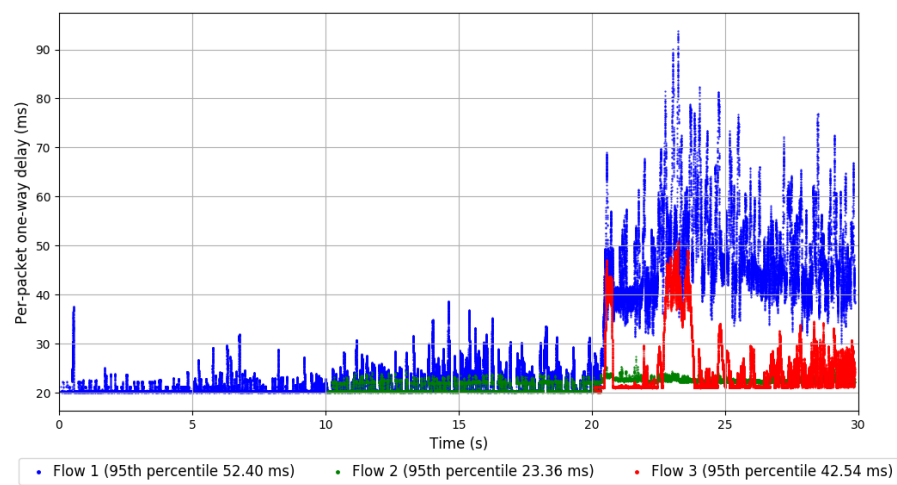
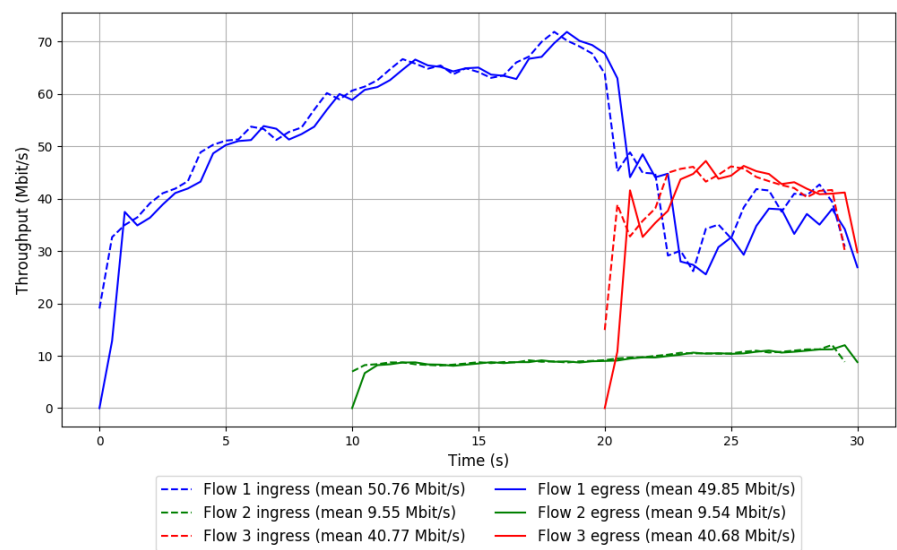
-- Flow 3:

Average throughput: 40.68 Mbit/s

95th percentile per-packet one-way delay: 42.544 ms

Loss rate: 0.46%

Run 2: Report of PCC-Allegro — Data Link

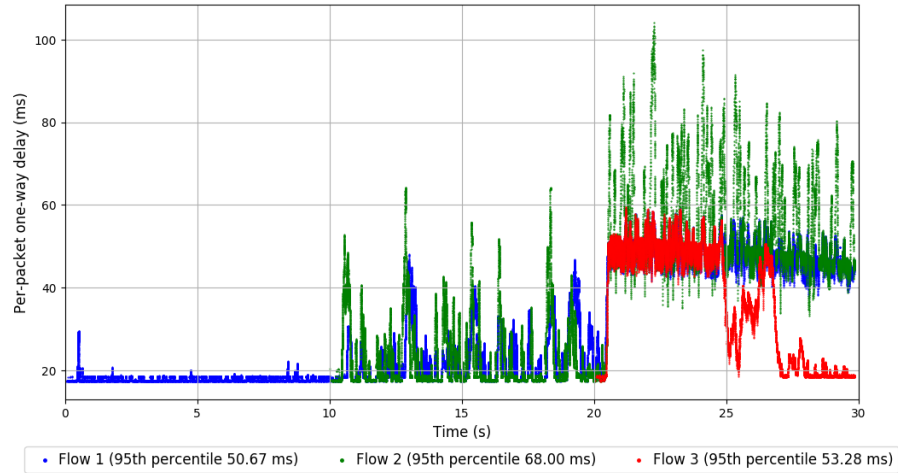
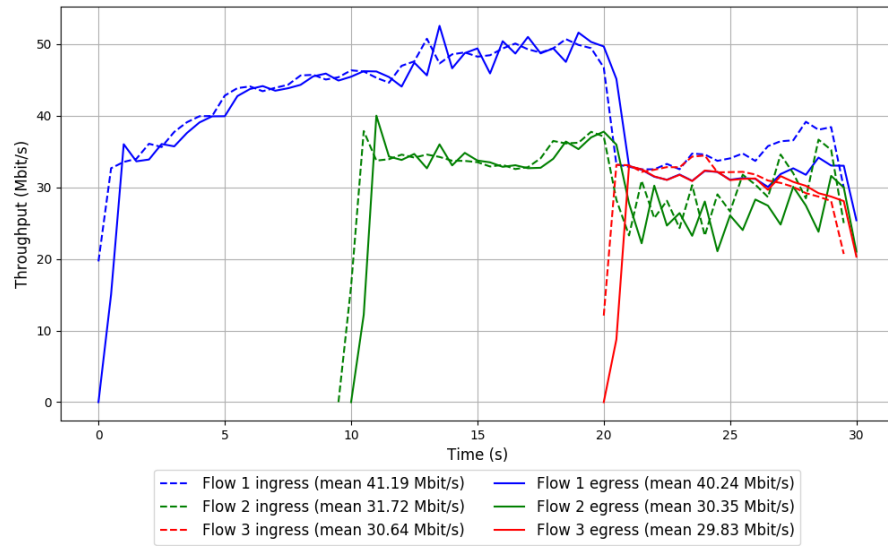


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 19:51:15
End at: 2018-08-22 19:51:45
Local clock offset: -0.316 ms
Remote clock offset: -64.088 ms

Below is generated by plot.py at 2018-08-22 22:35:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.23 Mbit/s
95th percentile per-packet one-way delay: 54.034 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: 50.675 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 67.998 ms
Loss rate: 4.53%
-- Flow 3:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 53.281 ms
Loss rate: 2.97%

Run 3: Report of PCC-Allegro — Data Link

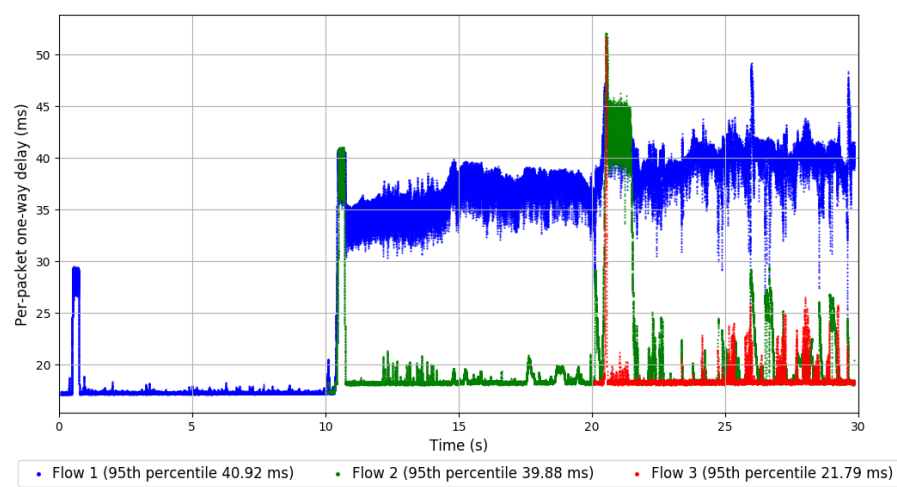
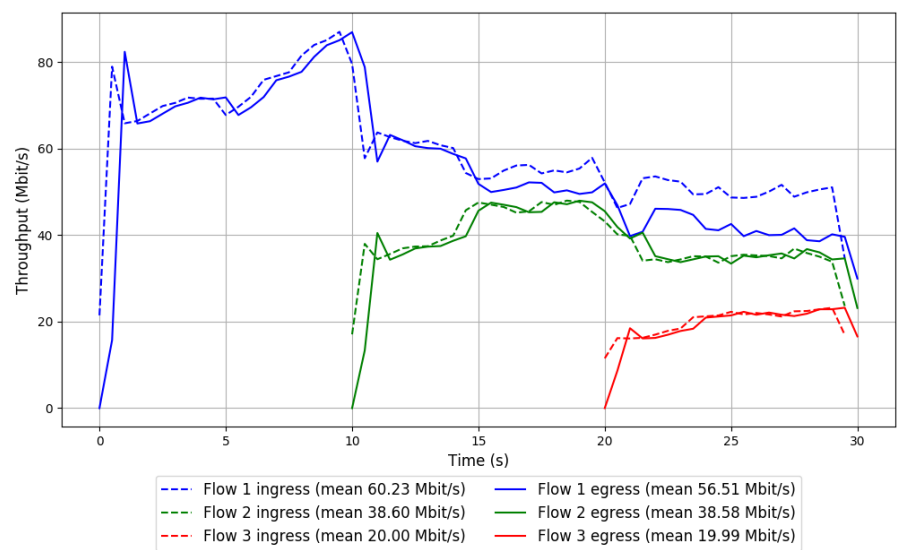


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 20:11:19
End at: 2018-08-22 20:11:49
Local clock offset: 0.078 ms
Remote clock offset: -62.202 ms

Below is generated by plot.py at 2018-08-22 22:35:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 4.15%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 40.923 ms
Loss rate: 6.27%
-- Flow 2:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 39.884 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 21.785 ms
Loss rate: 0.31%

Run 4: Report of PCC-Allegro — Data Link

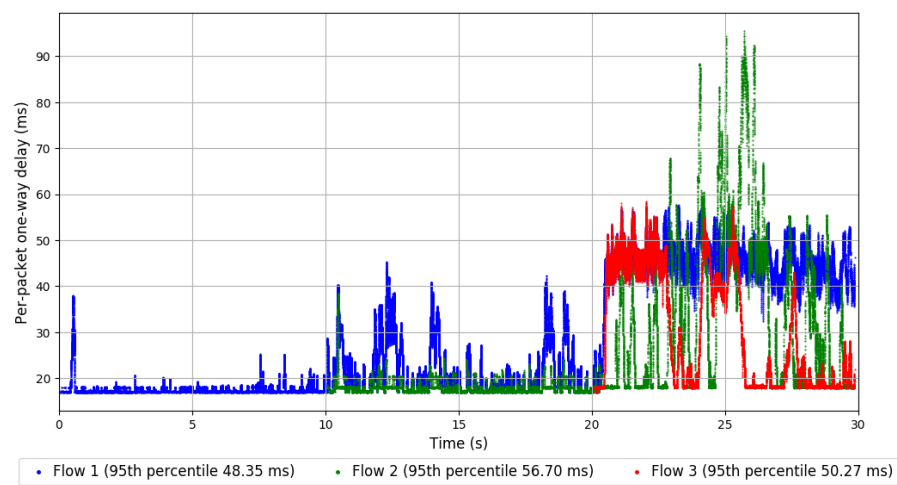
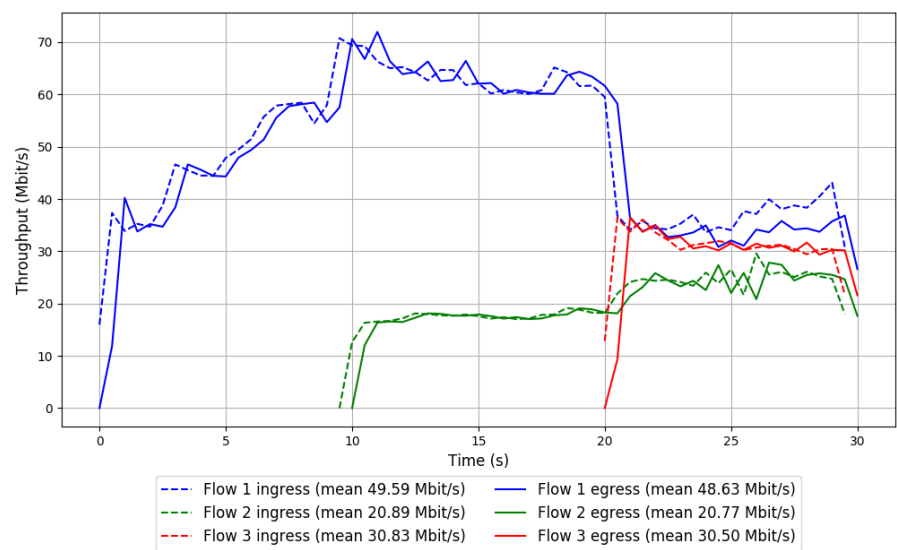


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 20:31:11
End at: 2018-08-22 20:31:41
Local clock offset: -0.155 ms
Remote clock offset: -62.917 ms

Below is generated by plot.py at 2018-08-22 22:35:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 49.640 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 48.349 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 56.702 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 50.274 ms
Loss rate: 1.31%

Run 5: Report of PCC-Allegro — Data Link

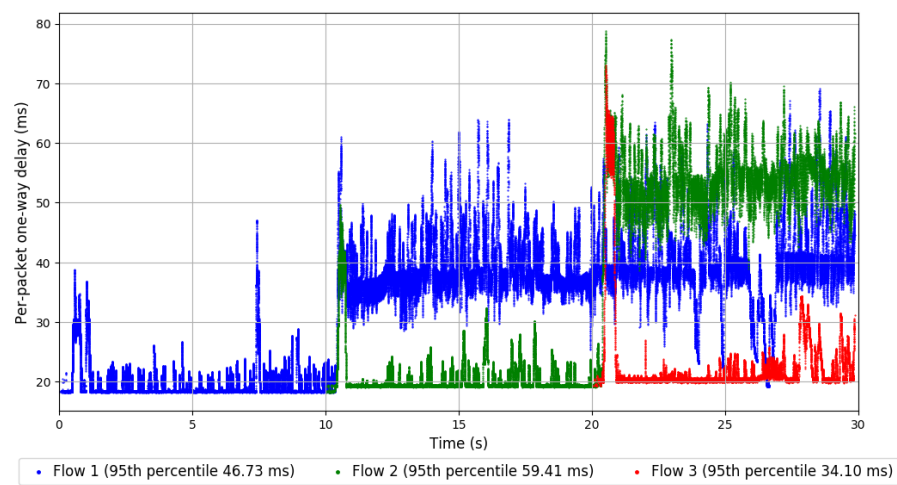
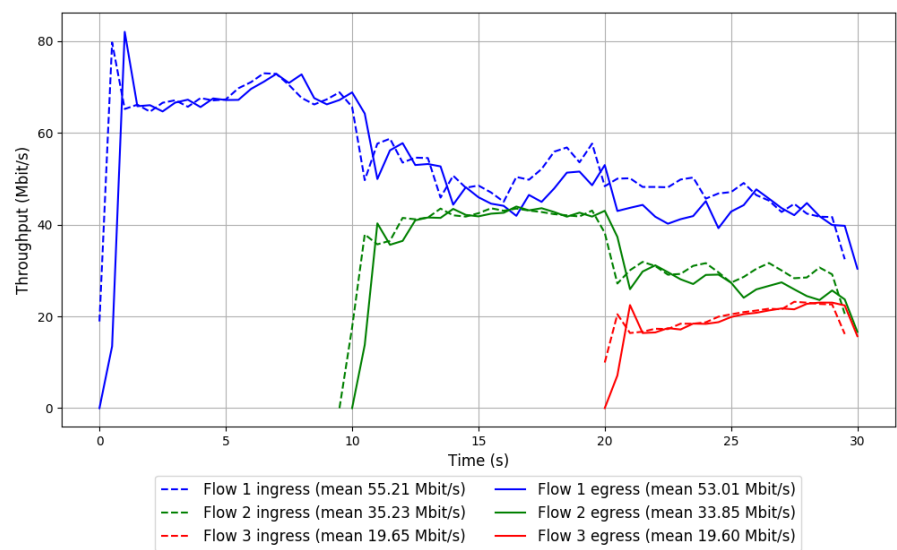


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 20:51:05
End at: 2018-08-22 20:51:35
Local clock offset: 0.703 ms
Remote clock offset: -64.861 ms

Below is generated by plot.py at 2018-08-22 22:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.97 Mbit/s
95th percentile per-packet one-way delay: 54.708 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 46.726 ms
Loss rate: 4.08%
-- Flow 2:
Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 59.410 ms
Loss rate: 4.10%
-- Flow 3:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 34.103 ms
Loss rate: 0.48%

Run 6: Report of PCC-Allegro — Data Link

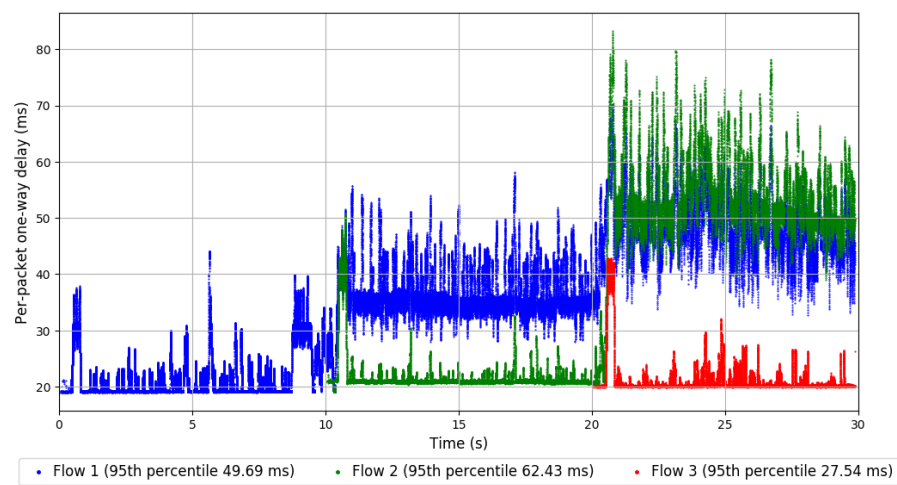
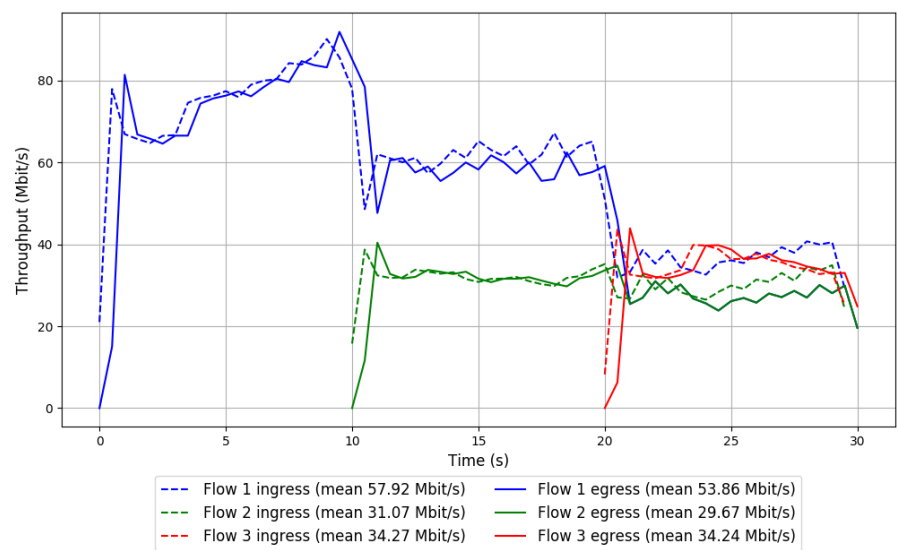


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 21:11:23
End at: 2018-08-22 21:11:53
Local clock offset: 1.609 ms
Remote clock offset: -64.584 ms

Below is generated by plot.py at 2018-08-22 22:36:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 54.362 ms
Loss rate: 5.69%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 49.691 ms
Loss rate: 7.10%
-- Flow 2:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 62.426 ms
Loss rate: 4.69%
-- Flow 3:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 27.542 ms
Loss rate: 0.27%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 21:31:30

End at: 2018-08-22 21:32:00

Local clock offset: -0.362 ms

Remote clock offset: -64.477 ms

Below is generated by plot.py at 2018-08-22 22:36:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.60 Mbit/s

95th percentile per-packet one-way delay: 57.041 ms

Loss rate: 5.80%

-- Flow 1:

Average throughput: 49.59 Mbit/s

95th percentile per-packet one-way delay: 51.698 ms

Loss rate: 7.40%

-- Flow 2:

Average throughput: 29.83 Mbit/s

95th percentile per-packet one-way delay: 64.695 ms

Loss rate: 4.57%

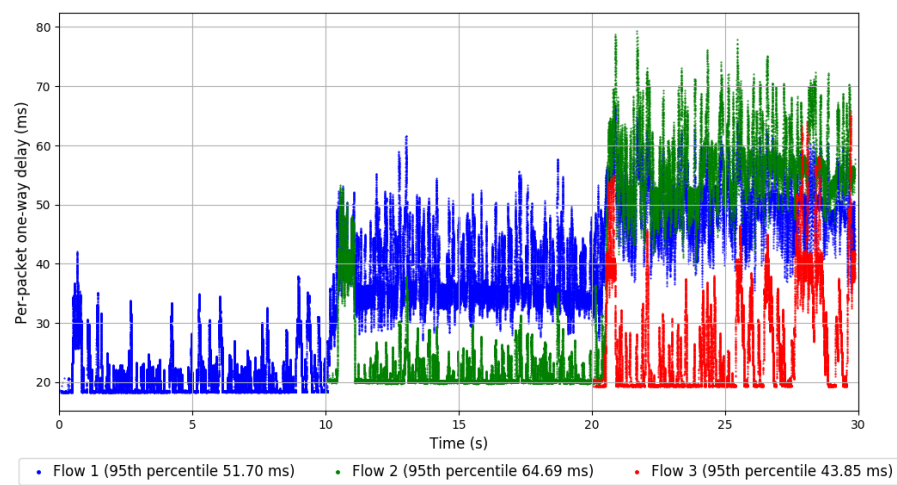
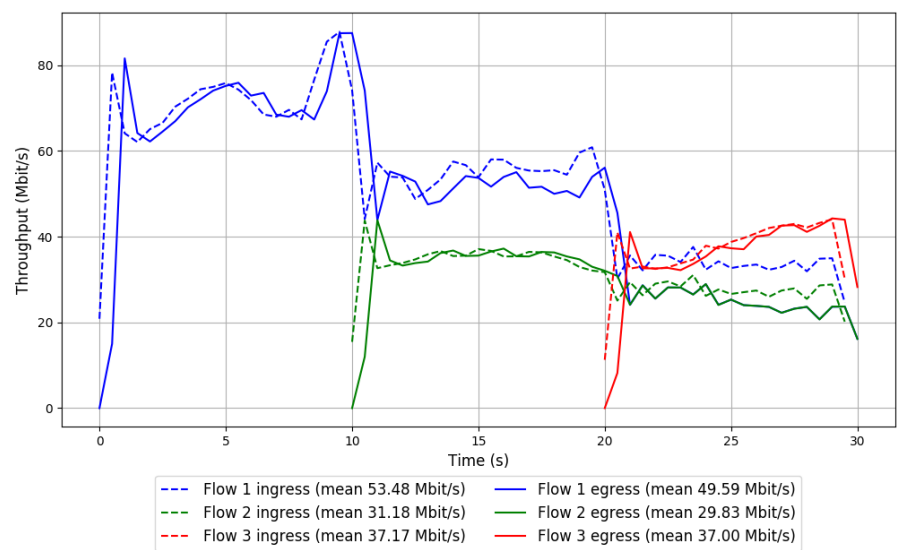
-- Flow 3:

Average throughput: 37.00 Mbit/s

95th percentile per-packet one-way delay: 43.846 ms

Loss rate: 0.91%

Run 8: Report of PCC-Allegro — Data Link

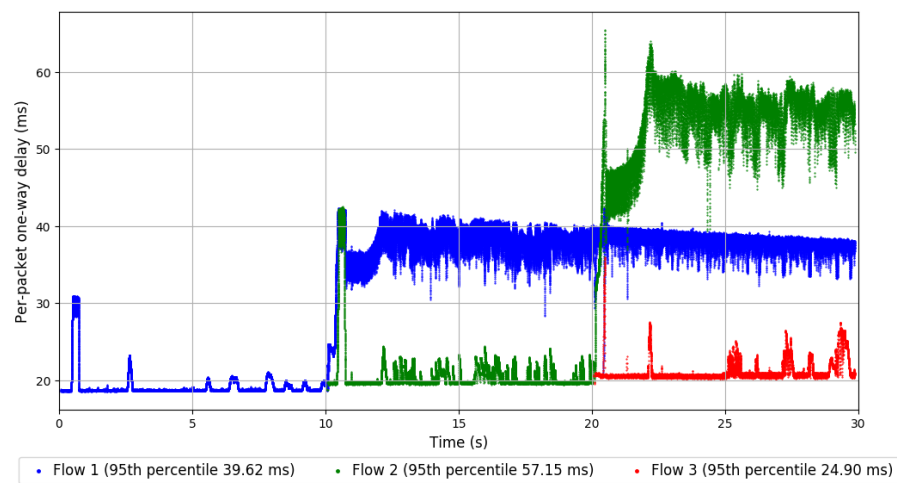
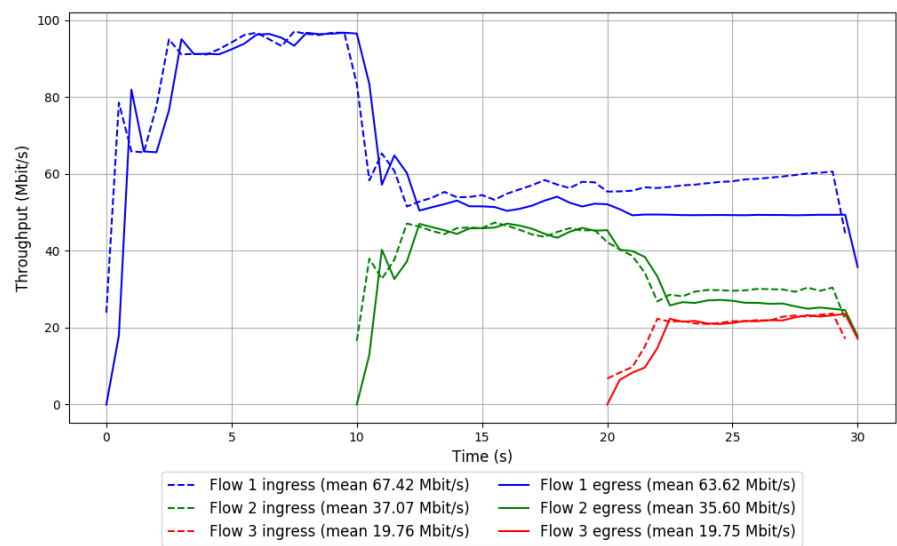


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 21:51:47
End at: 2018-08-22 21:52:17
Local clock offset: 1.243 ms
Remote clock offset: -63.608 ms

Below is generated by plot.py at 2018-08-22 22:36:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 54.214 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 63.62 Mbit/s
95th percentile per-packet one-way delay: 39.617 ms
Loss rate: 5.73%
-- Flow 2:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 57.154 ms
Loss rate: 4.13%
-- Flow 3:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: 24.898 ms
Loss rate: 0.31%

Run 9: Report of PCC-Allegro — Data Link

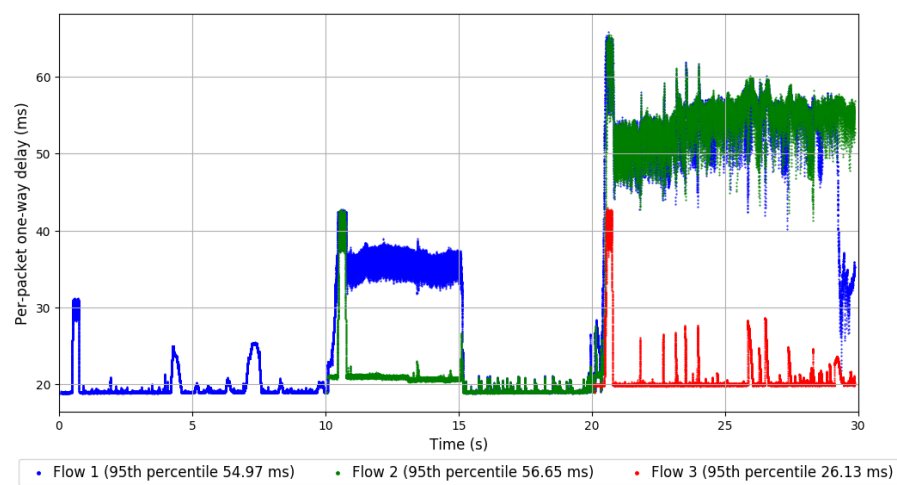
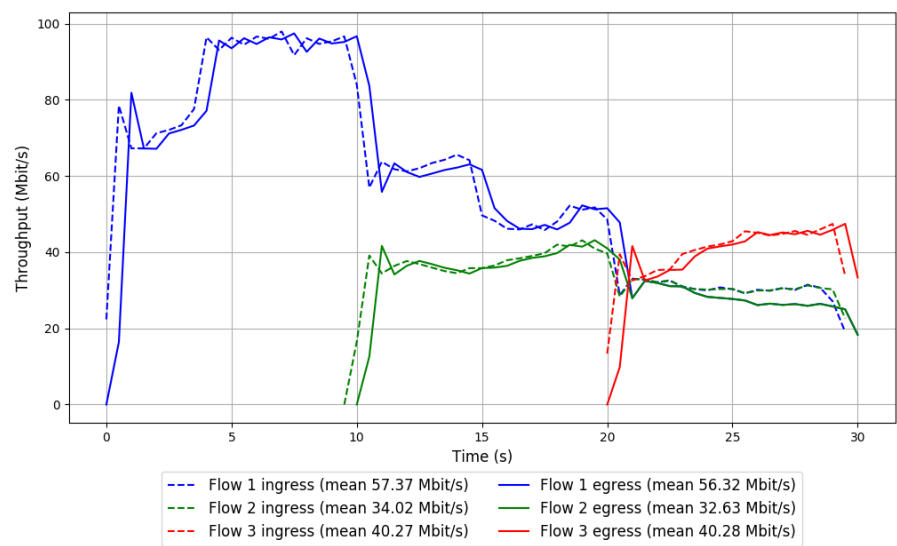


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 22:11:50
End at: 2018-08-22 22:12:20
Local clock offset: 1.682 ms
Remote clock offset: -62.617 ms

Below is generated by plot.py at 2018-08-22 22:36:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.26 Mbit/s
95th percentile per-packet one-way delay: 55.575 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 56.32 Mbit/s
95th percentile per-packet one-way delay: 54.974 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 56.646 ms
Loss rate: 4.22%
-- Flow 3:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 26.133 ms
Loss rate: 0.30%

Run 10: Report of PCC-Allegro — Data Link

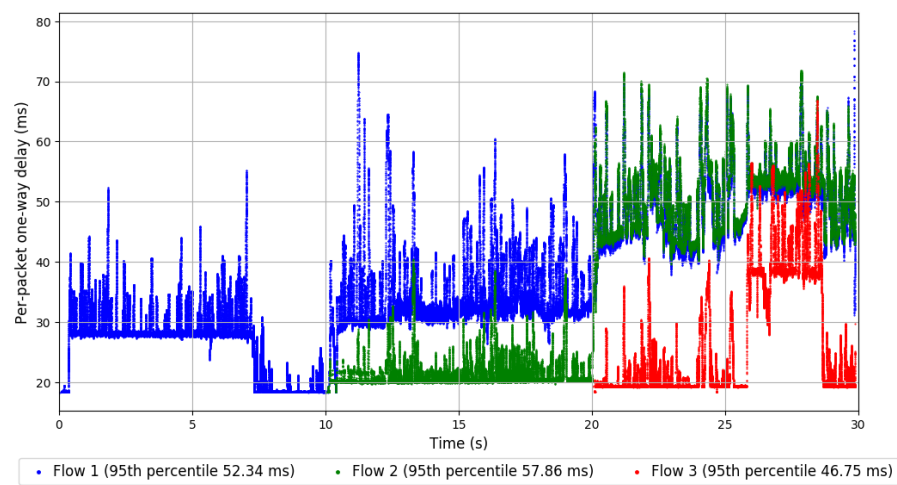
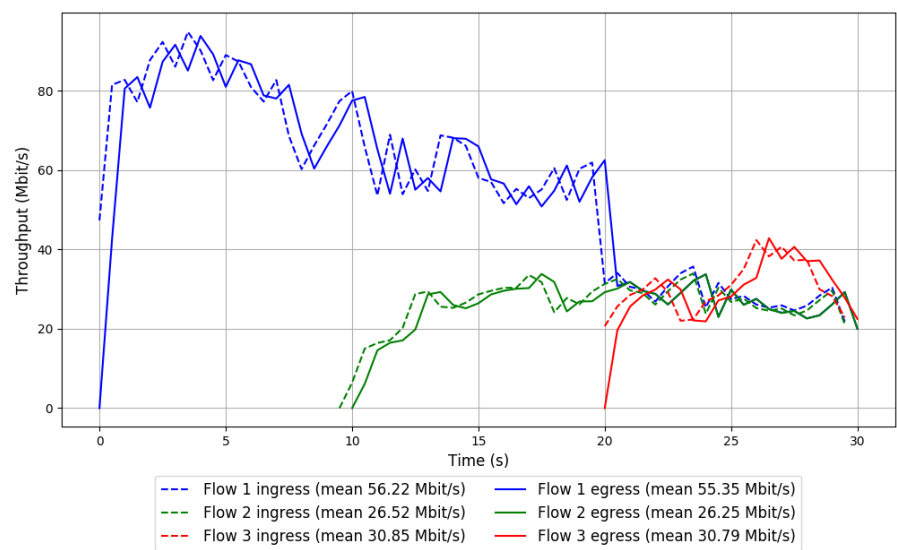


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 19:12:21
End at: 2018-08-22 19:12:51
Local clock offset: 0.68 ms
Remote clock offset: -63.472 ms

# Below is generated by plot.py at 2018-08-22 22:37:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.96 Mbit/s
95th percentile per-packet one-way delay: 53.845 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: 52.340 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 57.860 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 46.747 ms
Loss rate: 0.39%
```

Run 1: Report of PCC-Expr — Data Link

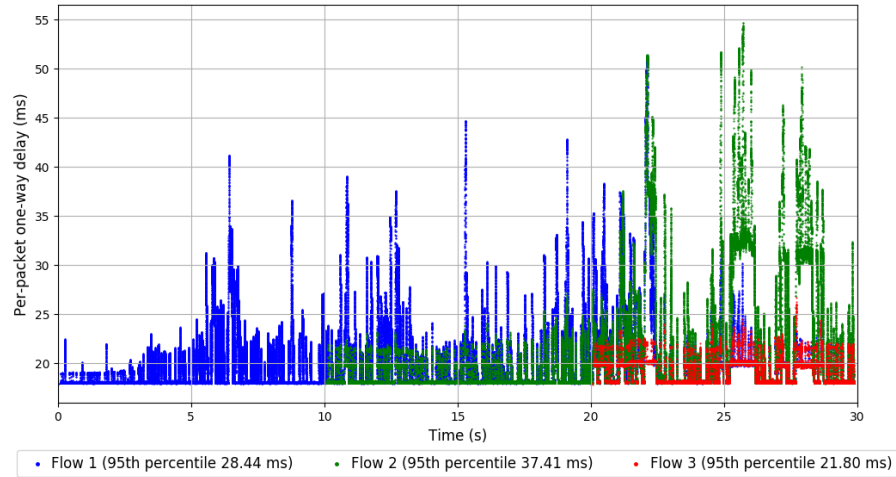
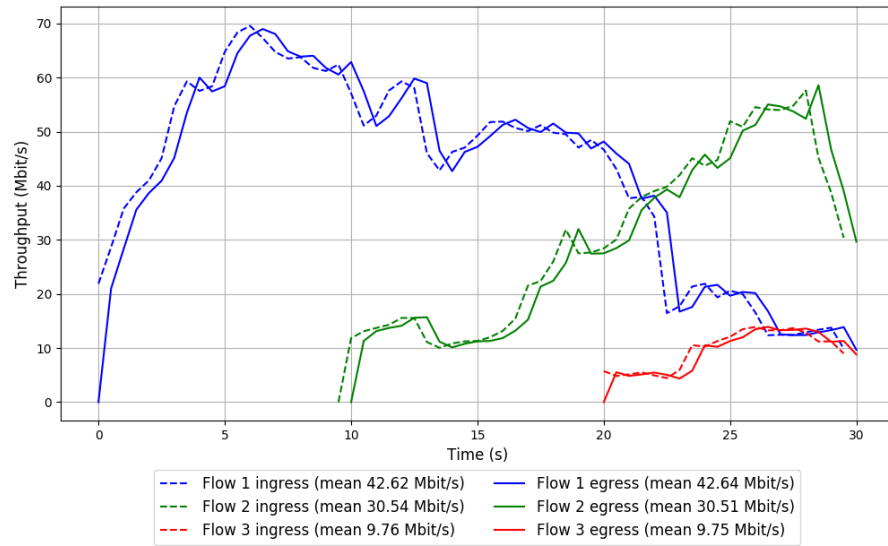


Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 19:32:39
End at: 2018-08-22 19:33:09
Local clock offset: -1.229 ms
Remote clock offset: -65.758 ms

Below is generated by plot.py at 2018-08-22 22:37:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.14 Mbit/s
95th percentile per-packet one-way delay: 32.094 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 28.442 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 37.415 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 21.801 ms
Loss rate: 0.32%

Run 2: Report of PCC-Expr — Data Link

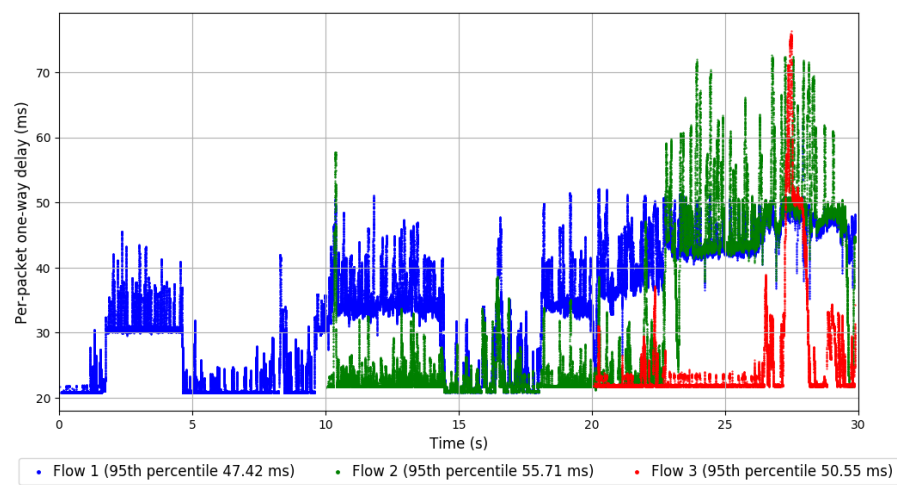
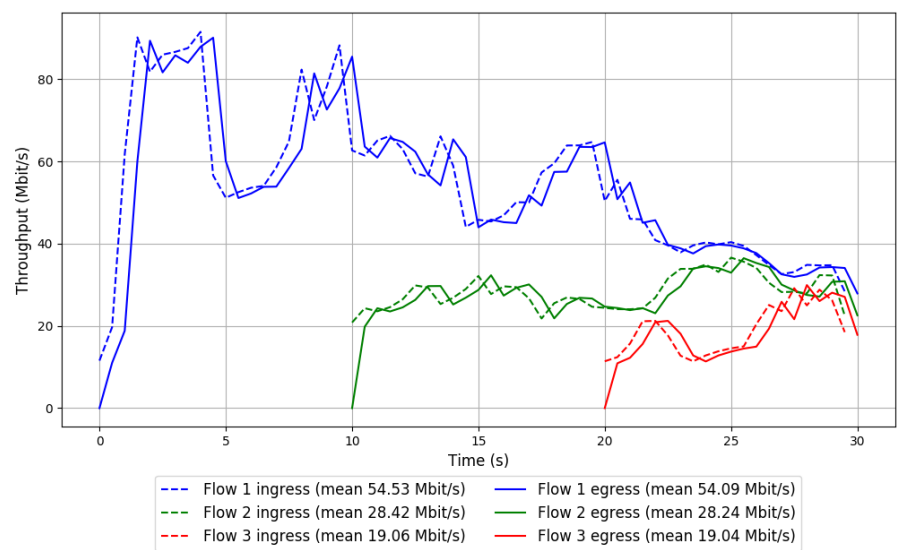


Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 19:52:23
End at: 2018-08-22 19:52:53
Local clock offset: 2.609 ms
Remote clock offset: -64.372 ms

Below is generated by plot.py at 2018-08-22 22:37:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.14 Mbit/s
95th percentile per-packet one-way delay: 48.892 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 54.09 Mbit/s
95th percentile per-packet one-way delay: 47.423 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 55.714 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 19.04 Mbit/s
95th percentile per-packet one-way delay: 50.547 ms
Loss rate: 0.47%

Run 3: Report of PCC-Expr — Data Link

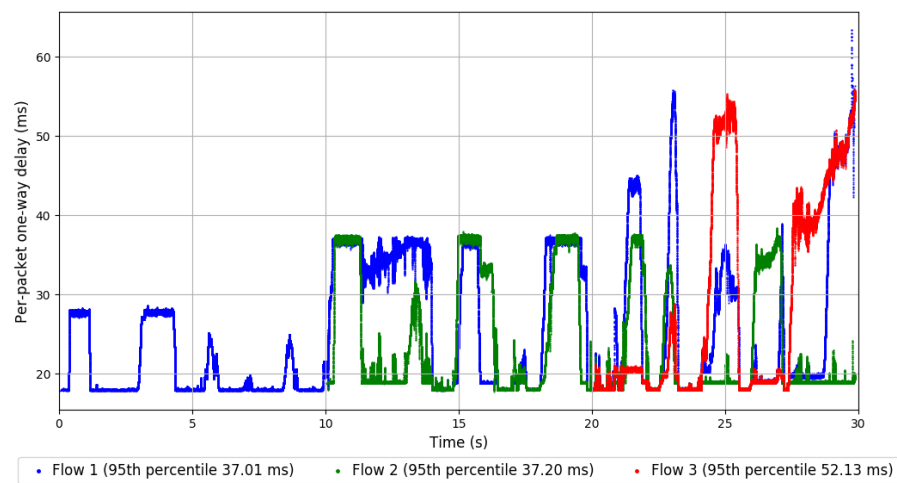
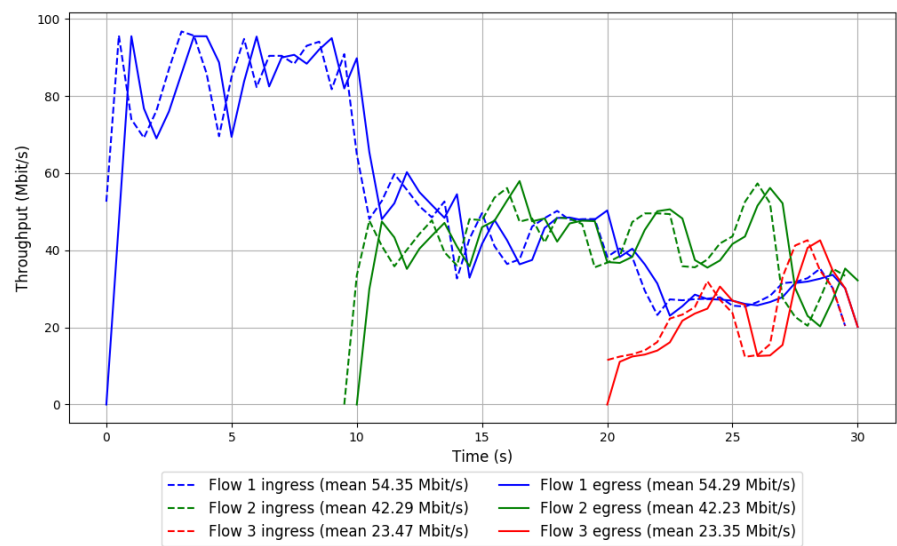


Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 20:12:27
End at: 2018-08-22 20:12:57
Local clock offset: 0.004 ms
Remote clock offset: -62.917 ms

Below is generated by plot.py at 2018-08-22 22:37:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.08 Mbit/s
95th percentile per-packet one-way delay: 39.791 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 54.29 Mbit/s
95th percentile per-packet one-way delay: 37.013 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 37.202 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 52.129 ms
Loss rate: 0.88%

Run 4: Report of PCC-Expr — Data Link

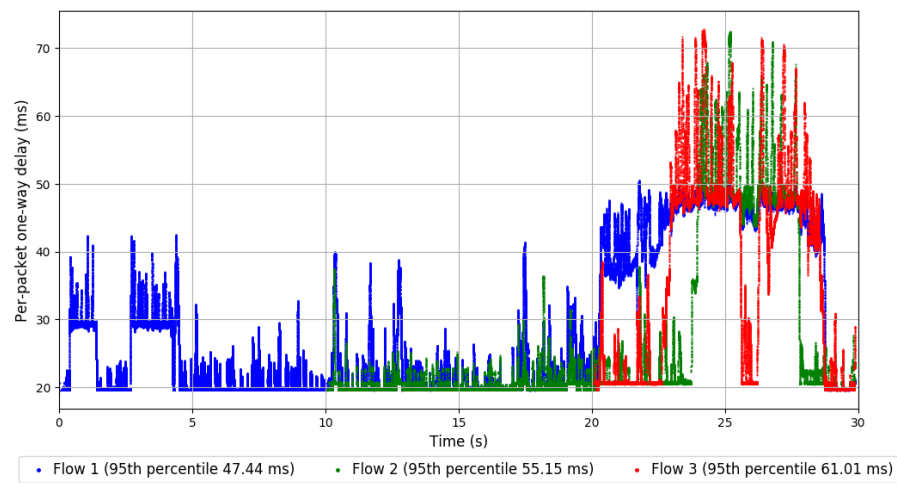
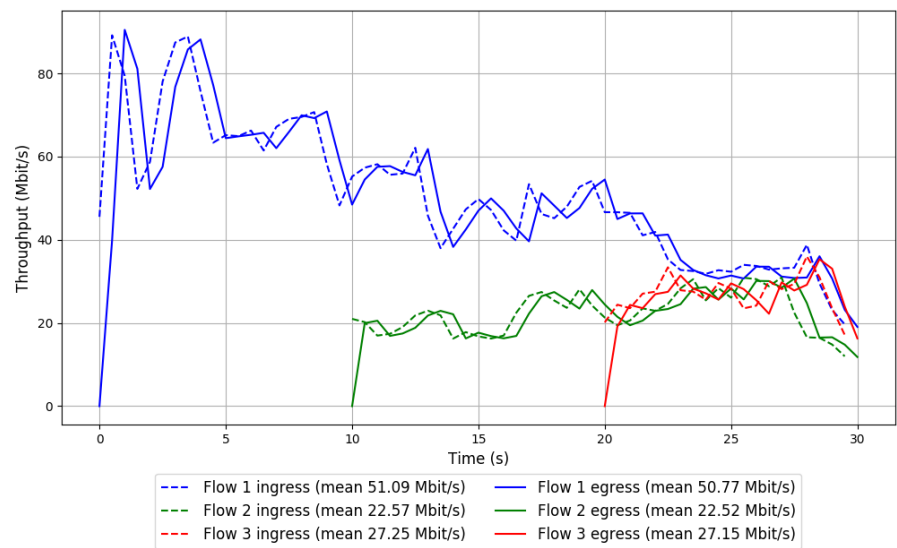


Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 20:32:19
End at: 2018-08-22 20:32:49
Local clock offset: 1.059 ms
Remote clock offset: -64.368 ms

Below is generated by plot.py at 2018-08-22 22:37:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 48.655 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 50.77 Mbit/s
95th percentile per-packet one-way delay: 47.435 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 55.150 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 61.010 ms
Loss rate: 0.61%

Run 5: Report of PCC-Expr — Data Link

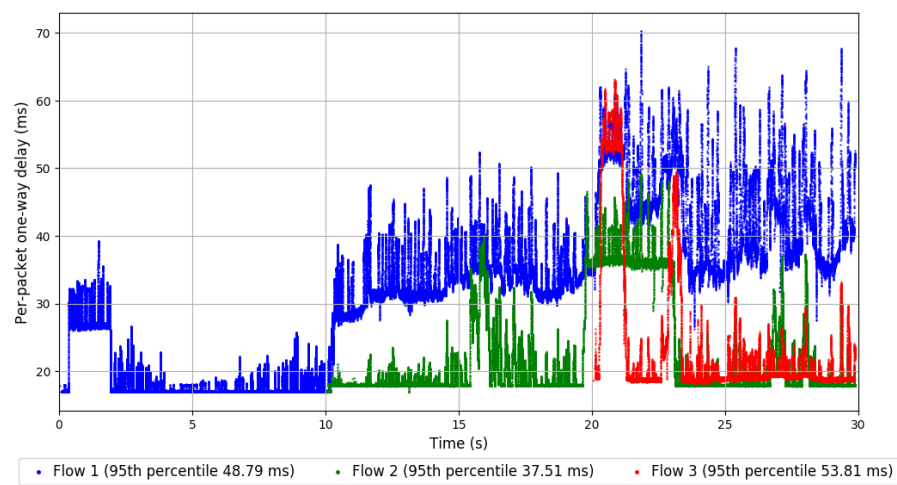
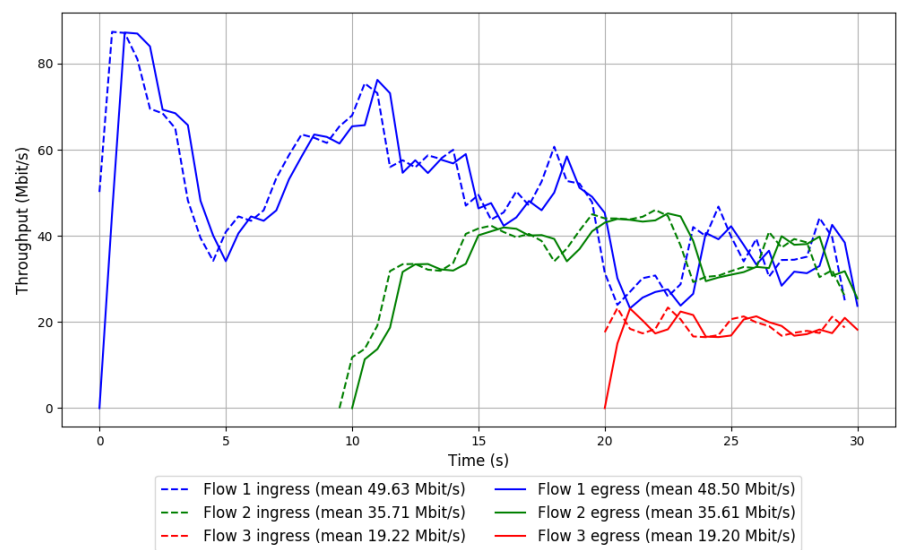


Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 20:52:13
End at: 2018-08-22 20:52:43
Local clock offset: 0.33 ms
Remote clock offset: -63.875 ms

Below is generated by plot.py at 2018-08-22 22:37:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 46.192 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 48.792 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 37.514 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 19.20 Mbit/s
95th percentile per-packet one-way delay: 53.811 ms
Loss rate: 0.43%

Run 6: Report of PCC-Expr — Data Link

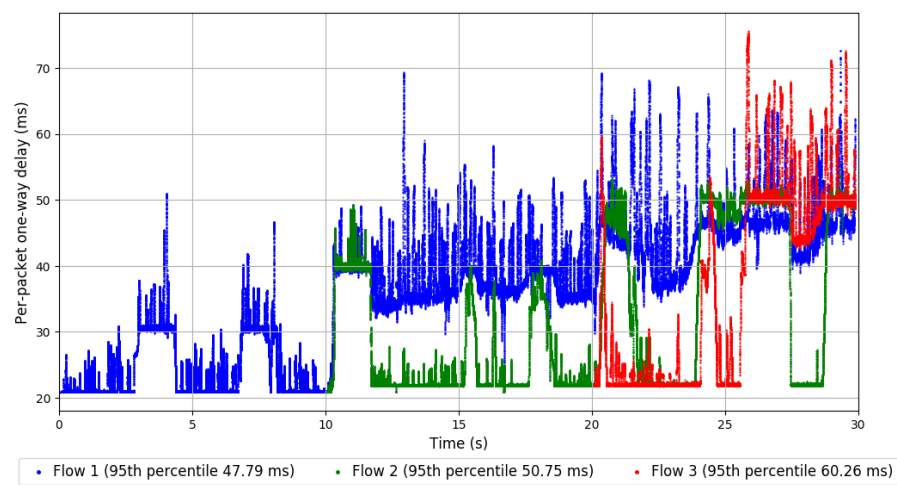
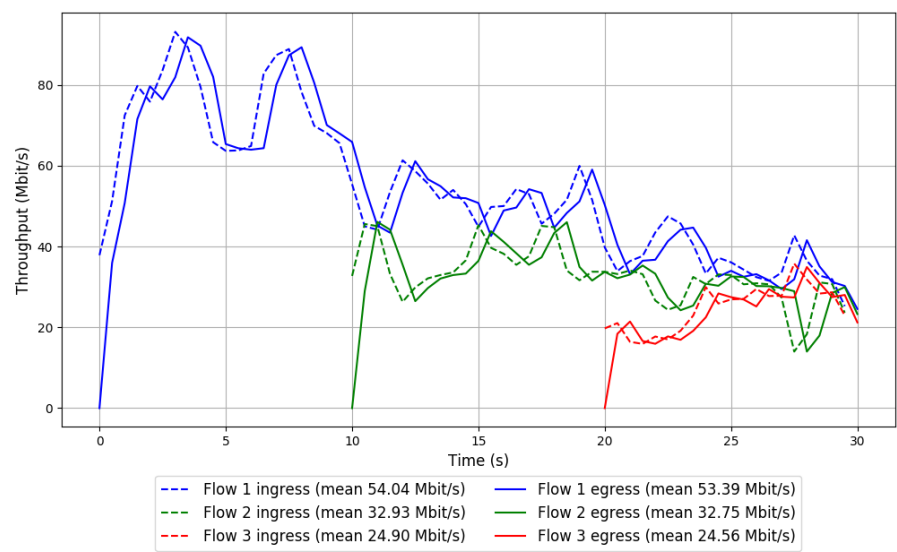


Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 21:12:34
End at: 2018-08-22 21:13:04
Local clock offset: 3.01 ms
Remote clock offset: -64.884 ms

Below is generated by plot.py at 2018-08-22 22:38:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 50.712 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 53.39 Mbit/s
95th percentile per-packet one-way delay: 47.792 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 50.747 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 60.260 ms
Loss rate: 1.77%

Run 7: Report of PCC-Expr — Data Link

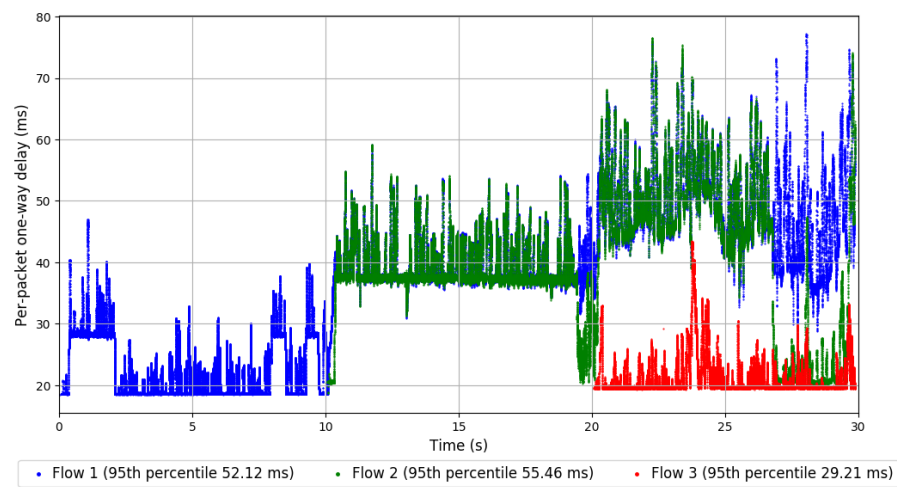
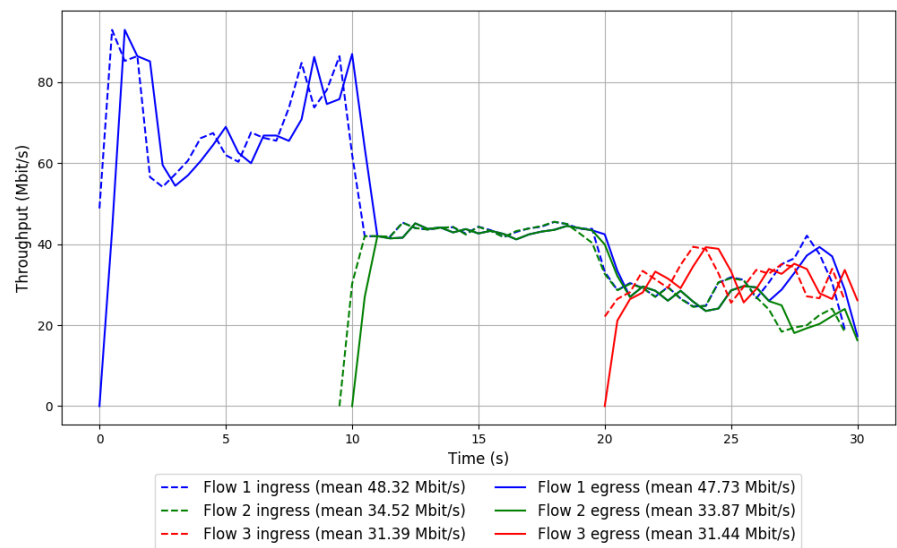


Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 21:32:39
End at: 2018-08-22 21:33:09
Local clock offset: -0.341 ms
Remote clock offset: -64.479 ms

Below is generated by plot.py at 2018-08-22 22:38:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.63 Mbit/s
95th percentile per-packet one-way delay: 52.541 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 47.73 Mbit/s
95th percentile per-packet one-way delay: 52.123 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 55.463 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 29.207 ms
Loss rate: 0.23%

Run 8: Report of PCC-Expr — Data Link

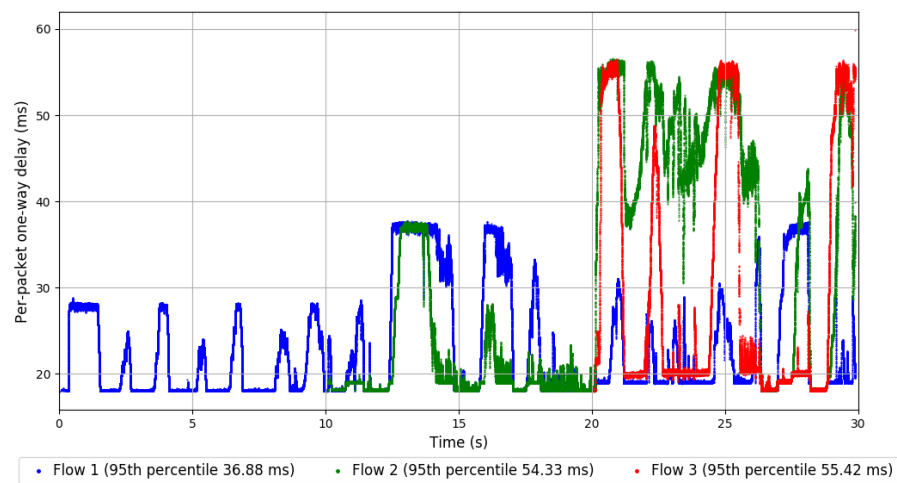
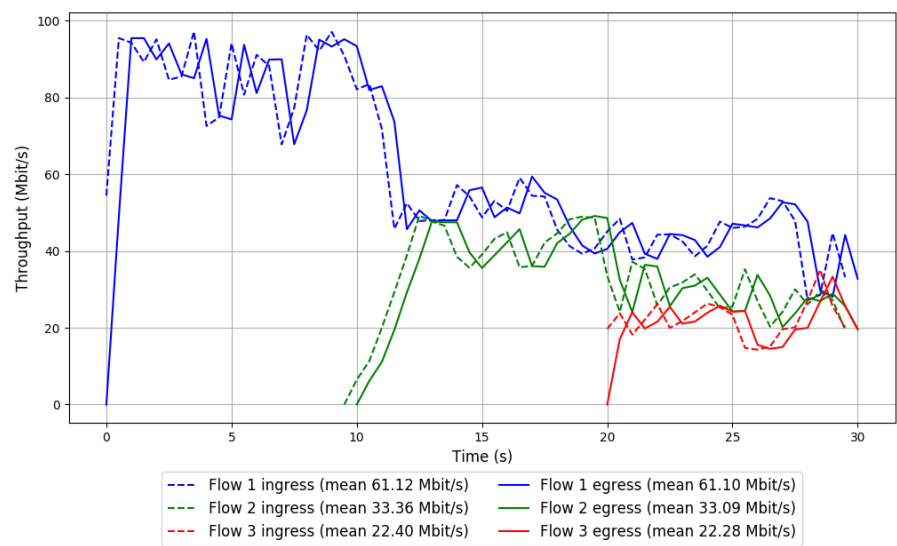


Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 21:52:56
End at: 2018-08-22 21:53:26
Local clock offset: 1.077 ms
Remote clock offset: -63.146 ms

Below is generated by plot.py at 2018-08-22 22:39:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: 50.193 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 61.10 Mbit/s
95th percentile per-packet one-way delay: 36.881 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 54.332 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 22.28 Mbit/s
95th percentile per-packet one-way delay: 55.417 ms
Loss rate: 0.83%

Run 9: Report of PCC-Expr — Data Link

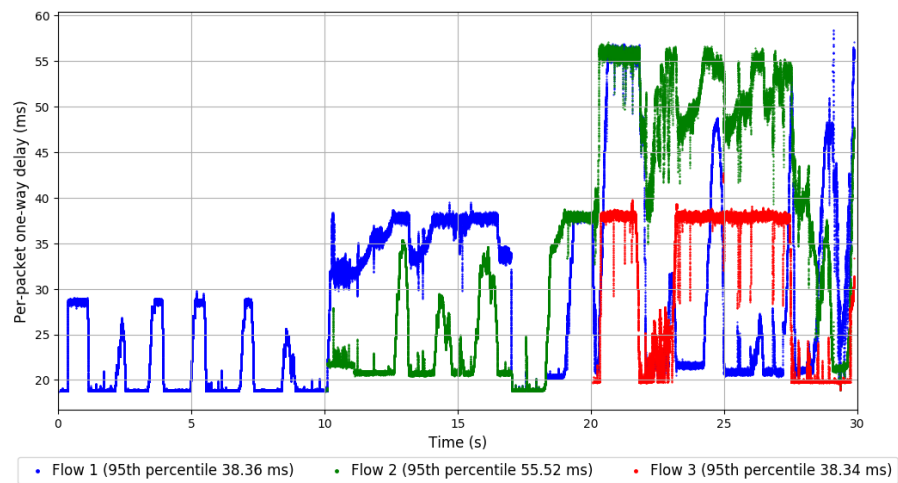
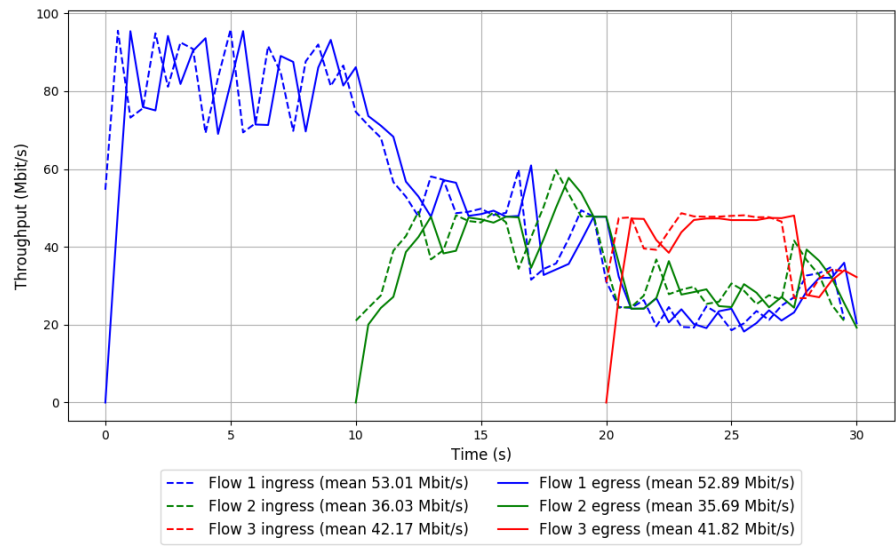


Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 22:12:59
End at: 2018-08-22 22:13:29
Local clock offset: 1.519 ms
Remote clock offset: -62.519 ms

Below is generated by plot.py at 2018-08-22 22:39:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 51.000 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 38.358 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 55.518 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 41.82 Mbit/s
95th percentile per-packet one-way delay: 38.337 ms
Loss rate: 1.08%

Run 10: Report of PCC-Expr — Data Link

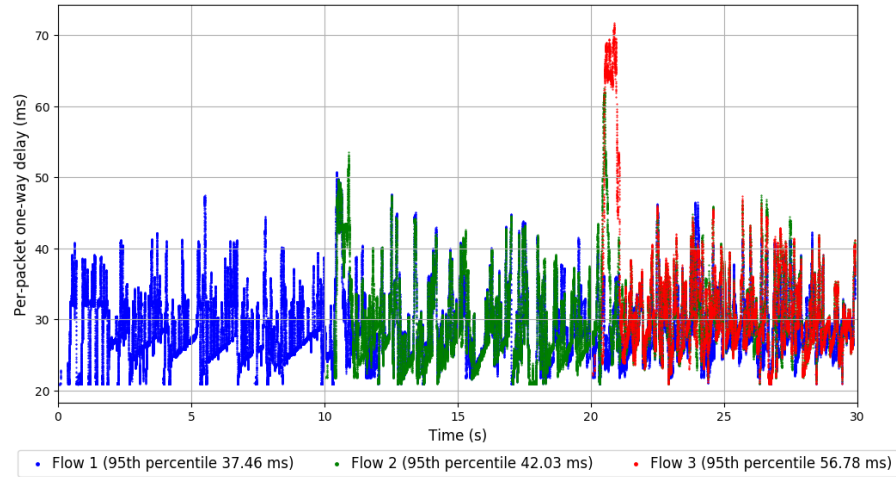
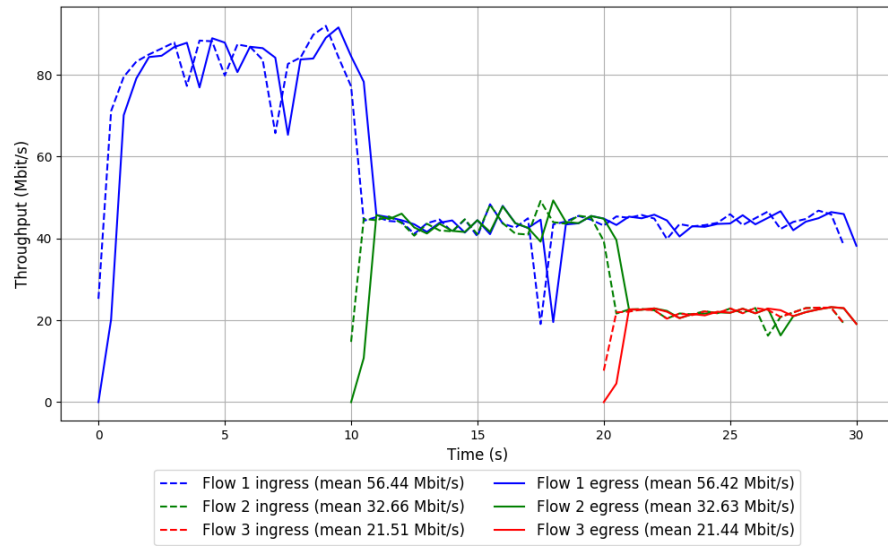


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 19:17:21
End at: 2018-08-22 19:17:51
Local clock offset: 2.133 ms
Remote clock offset: -64.997 ms

Below is generated by plot.py at 2018-08-22 22:39:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 39.304 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 37.456 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 42.027 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 56.778 ms
Loss rate: 0.58%

Run 1: Report of QUIC Cubic — Data Link

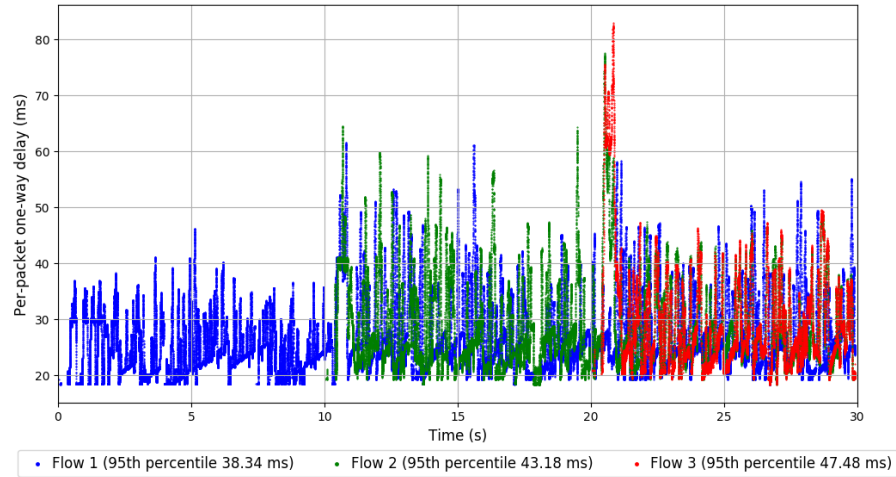
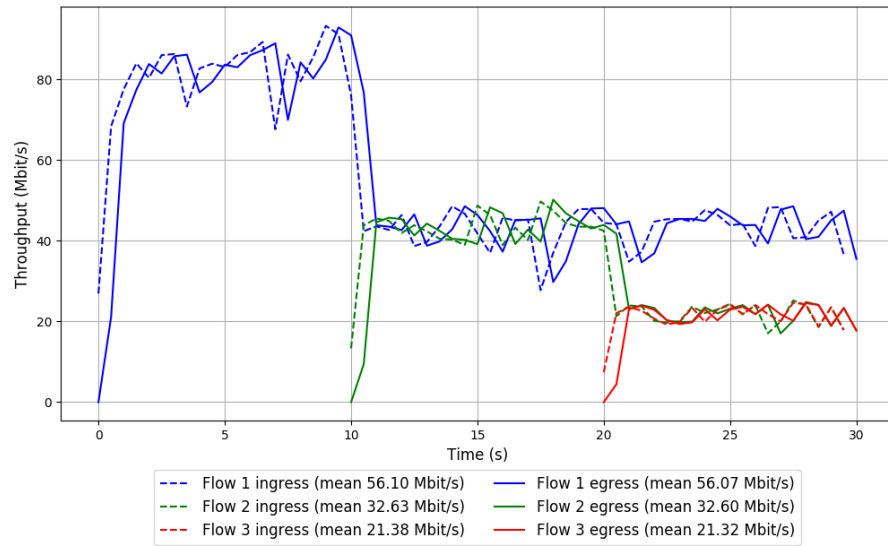


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 19:37:23
End at: 2018-08-22 19:37:53
Local clock offset: 0.184 ms
Remote clock offset: -64.867 ms

Below is generated by plot.py at 2018-08-22 22:39:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 40.716 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.07 Mbit/s
95th percentile per-packet one-way delay: 38.335 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 43.184 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 47.483 ms
Loss rate: 0.53%

Run 2: Report of QUIC Cubic — Data Link

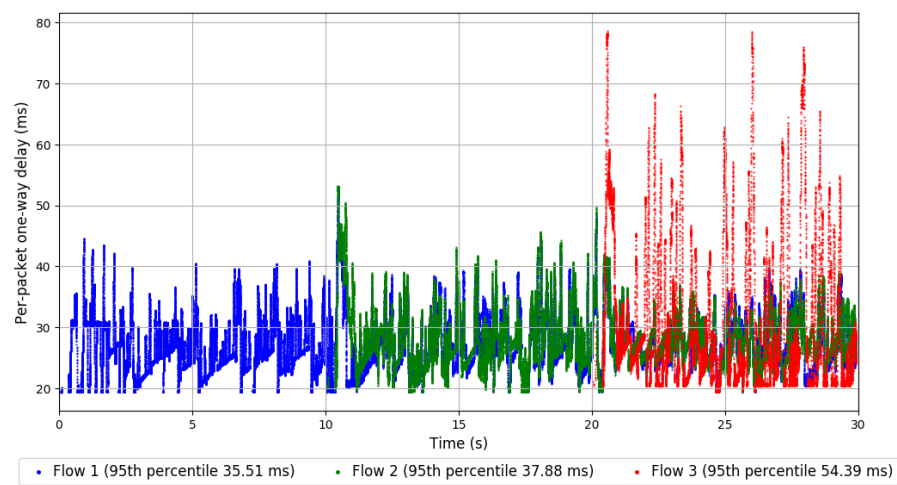
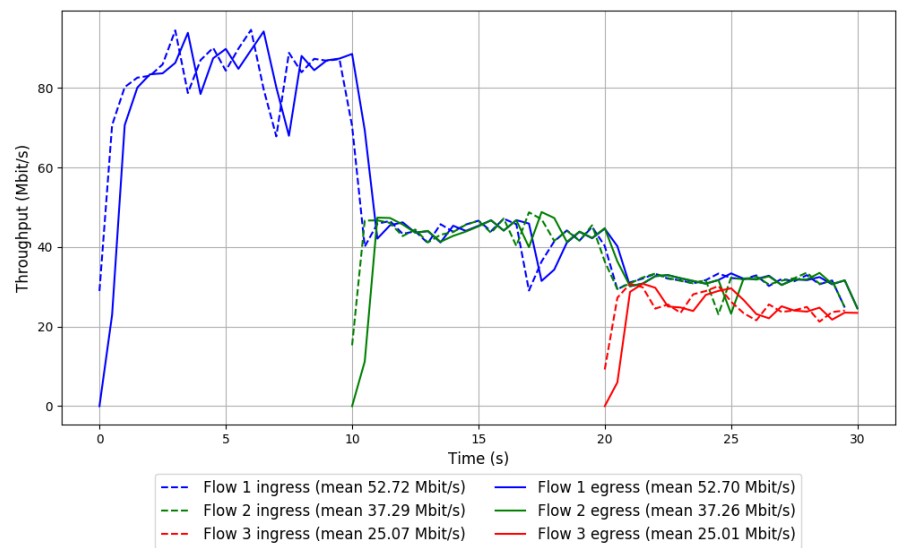


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 19:57:23
End at: 2018-08-22 19:57:53
Local clock offset: 1.641 ms
Remote clock offset: -63.539 ms

Below is generated by plot.py at 2018-08-22 22:39:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.74 Mbit/s
95th percentile per-packet one-way delay: 37.589 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 52.70 Mbit/s
95th percentile per-packet one-way delay: 35.508 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 37.876 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 54.393 ms
Loss rate: 0.48%

Run 3: Report of QUIC Cubic — Data Link

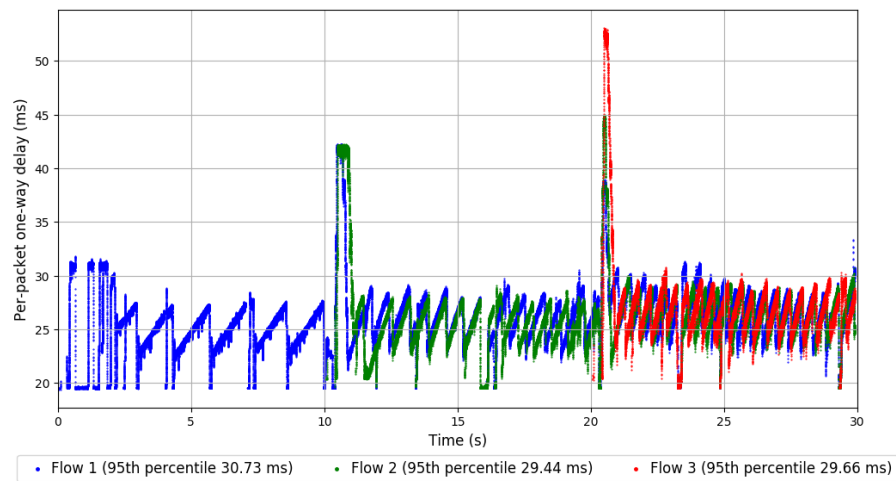
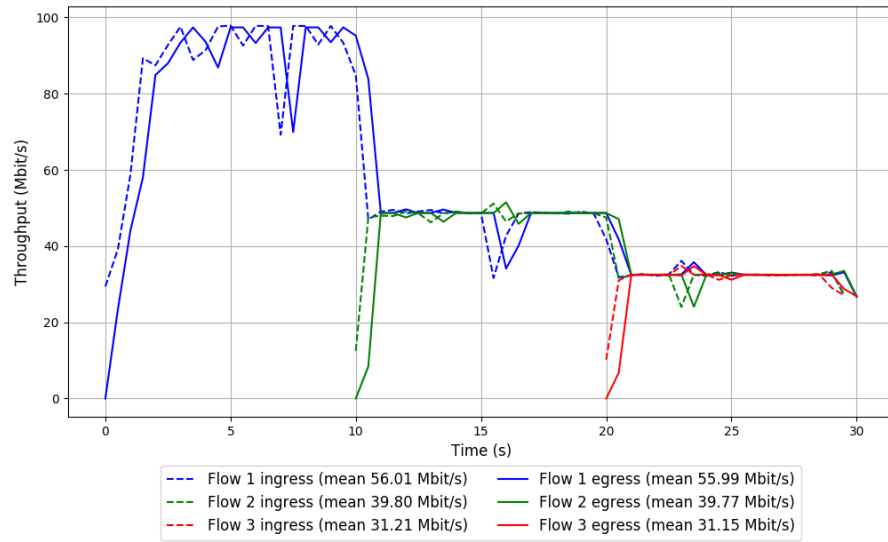


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 20:17:19
End at: 2018-08-22 20:17:49
Local clock offset: 0.709 ms
Remote clock offset: -63.577 ms

Below is generated by plot.py at 2018-08-22 22:39:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 30.404 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 30.726 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 29.441 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 29.656 ms
Loss rate: 0.45%

Run 4: Report of QUIC Cubic — Data Link

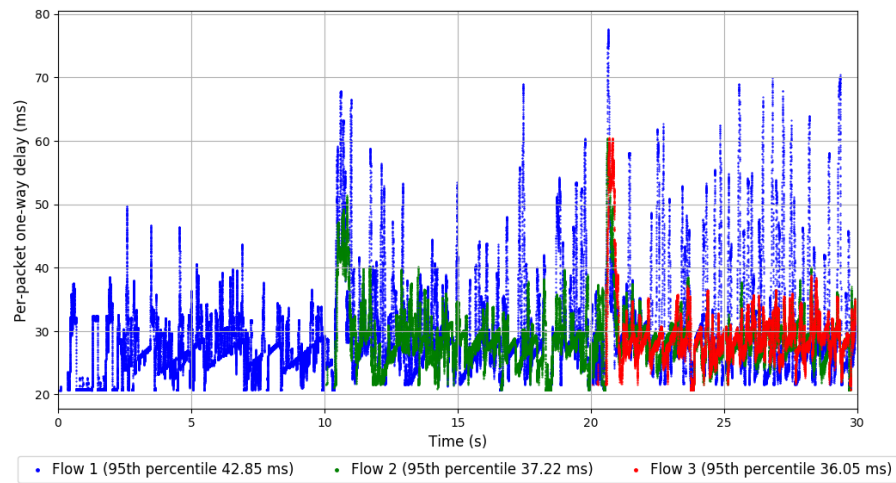
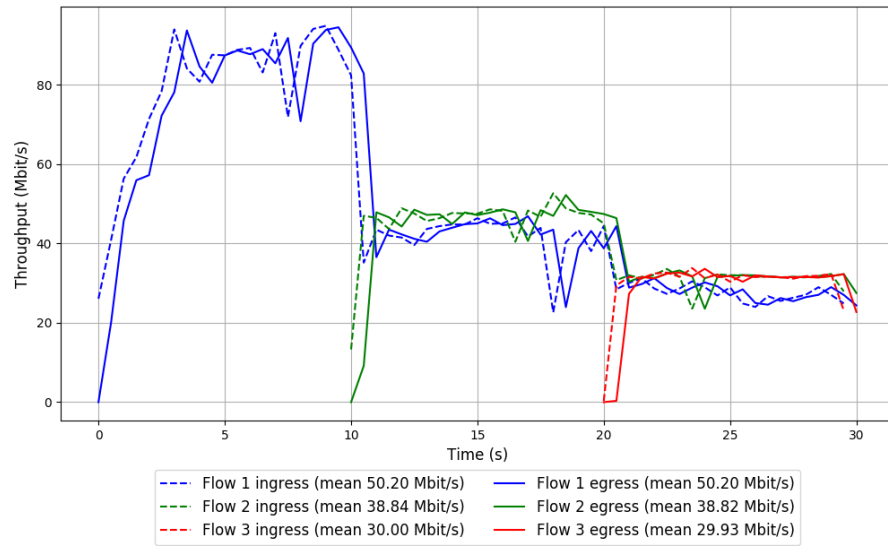


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 20:37:11
End at: 2018-08-22 20:37:41
Local clock offset: 2.476 ms
Remote clock offset: -64.266 ms

Below is generated by plot.py at 2018-08-22 22:39:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 40.459 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 42.850 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 37.217 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 36.050 ms
Loss rate: 0.48%

Run 5: Report of QUIC Cubic — Data Link

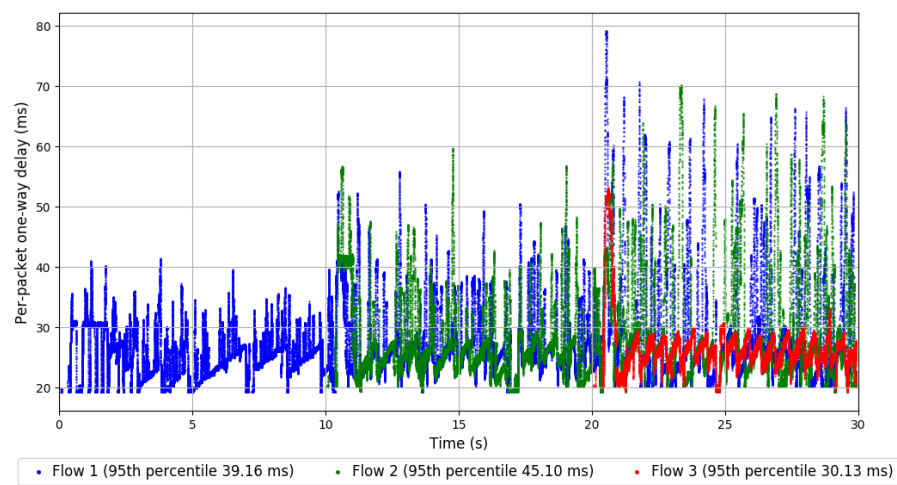
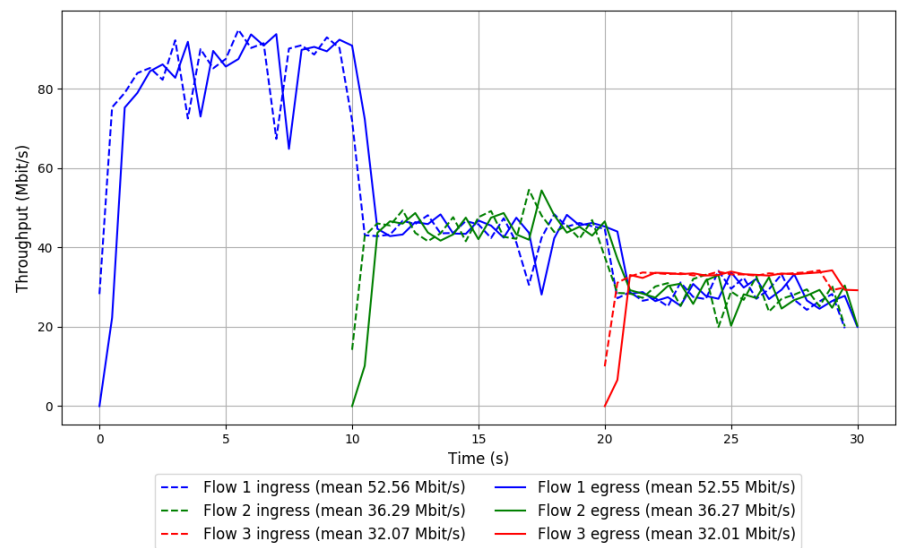


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 20:57:20
End at: 2018-08-22 20:57:50
Local clock offset: 1.716 ms
Remote clock offset: -65.068 ms

Below is generated by plot.py at 2018-08-22 22:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 41.314 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 39.160 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 45.097 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 30.128 ms
Loss rate: 0.44%

Run 6: Report of QUIC Cubic — Data Link

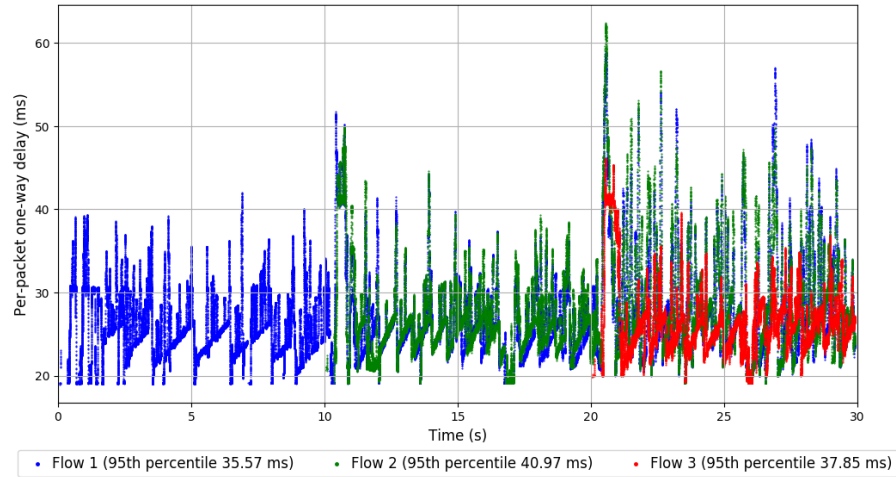
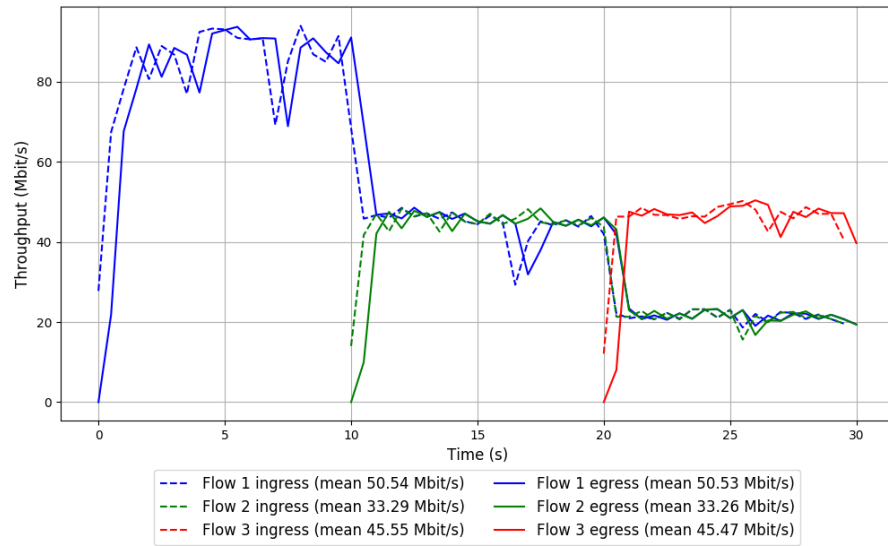


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 21:17:28
End at: 2018-08-22 21:17:58
Local clock offset: 1.241 ms
Remote clock offset: -64.417 ms

Below is generated by plot.py at 2018-08-22 22:39:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 37.268 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 50.53 Mbit/s
95th percentile per-packet one-way delay: 35.571 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 40.969 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 37.851 ms
Loss rate: 0.41%

Run 7: Report of QUIC Cubic — Data Link

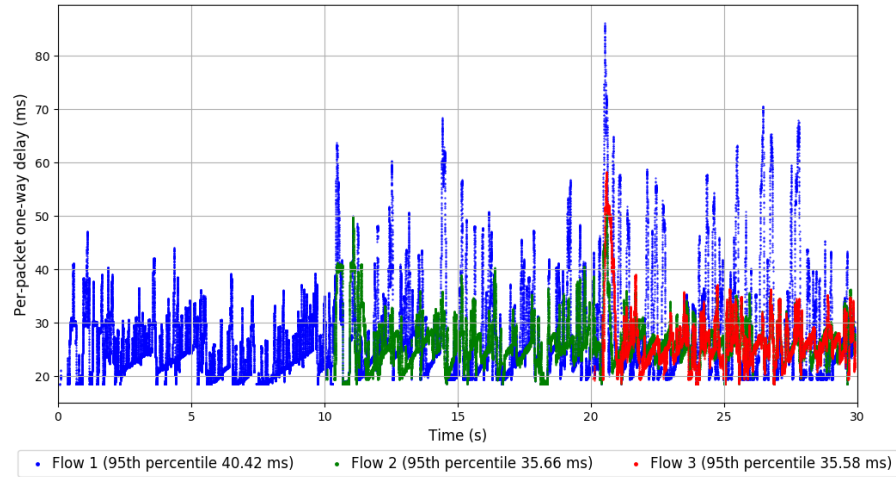
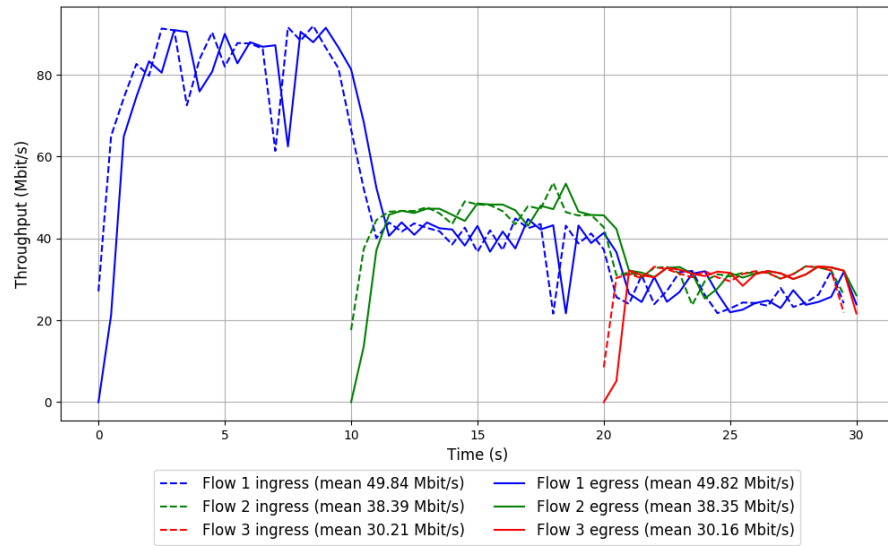


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 21:37:41
End at: 2018-08-22 21:38:11
Local clock offset: -7.093 ms
Remote clock offset: -70.961 ms

Below is generated by plot.py at 2018-08-22 22:40:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 38.843 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 40.418 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 35.657 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 35.577 ms
Loss rate: 0.41%

Run 8: Report of QUIC Cubic — Data Link

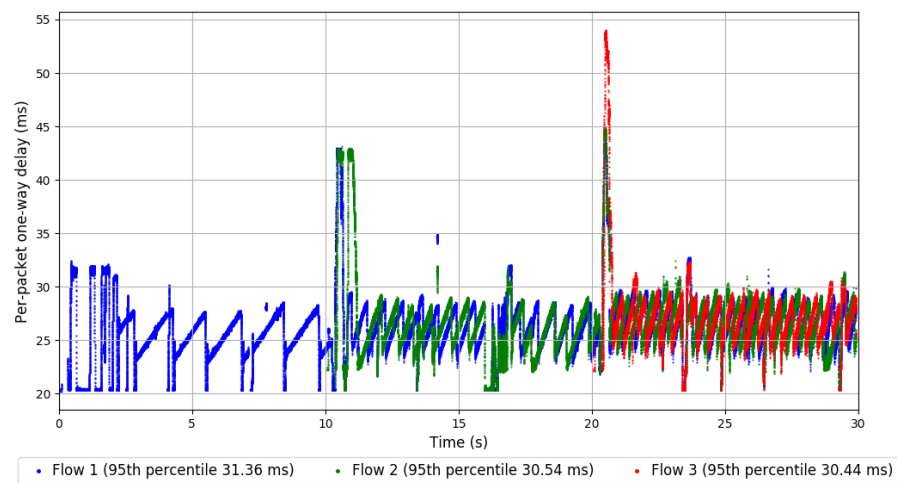
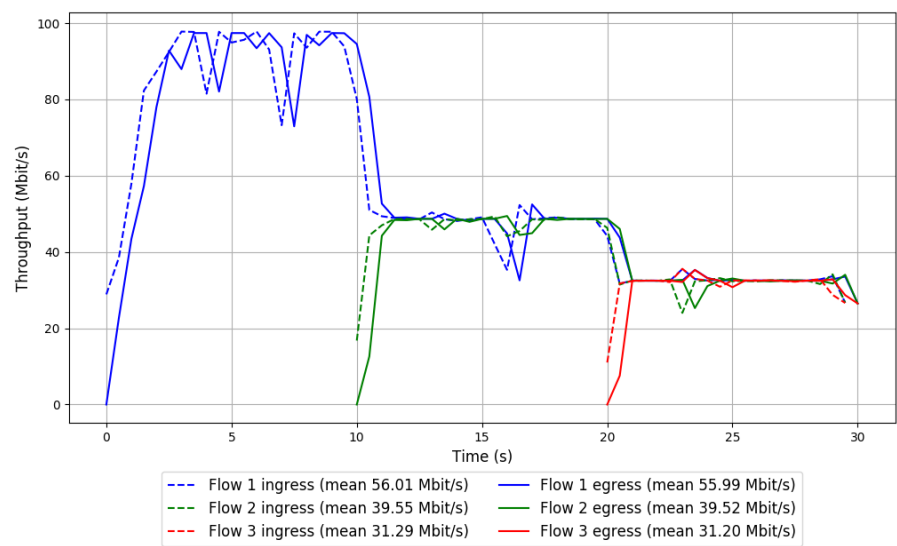


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 21:57:45
End at: 2018-08-22 21:58:15
Local clock offset: 3.087 ms
Remote clock offset: -63.426 ms

Below is generated by plot.py at 2018-08-22 22:40:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.58 Mbit/s
95th percentile per-packet one-way delay: 31.228 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 31.361 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 30.540 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 30.436 ms
Loss rate: 0.53%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 22:17:53

End at: 2018-08-22 22:18:23

Local clock offset: 1.8 ms

Remote clock offset: -62.241 ms

Below is generated by plot.py at 2018-08-22 22:40:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 30.451 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 54.51 Mbit/s

95th percentile per-packet one-way delay: 30.412 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 30.996 ms

Loss rate: 0.18%

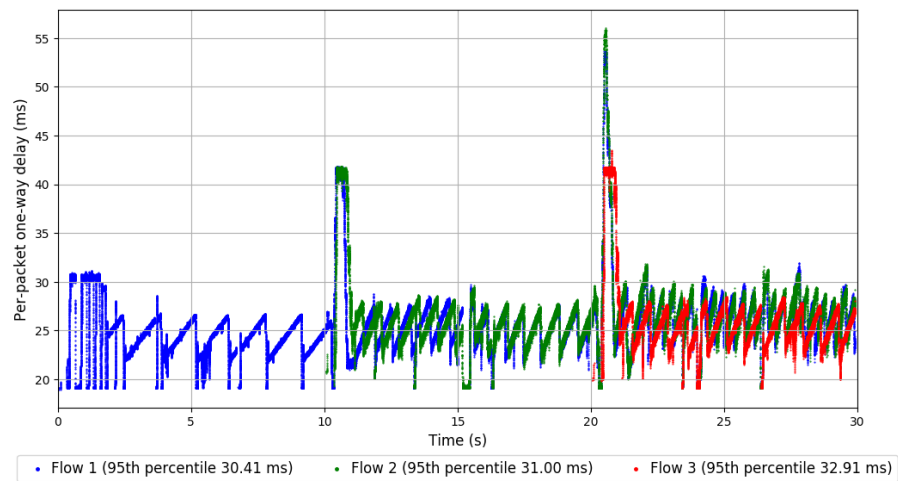
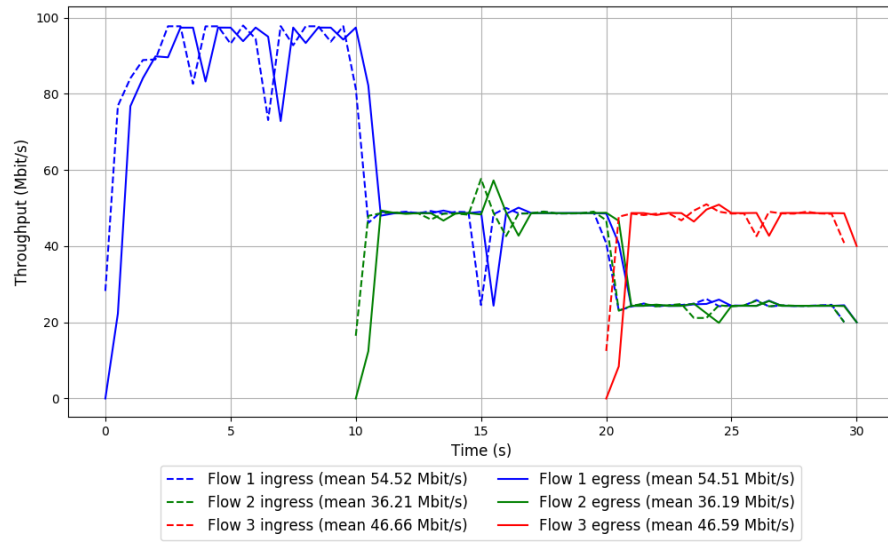
-- Flow 3:

Average throughput: 46.59 Mbit/s

95th percentile per-packet one-way delay: 32.907 ms

Loss rate: 0.40%

Run 10: Report of QUIC Cubic — Data Link

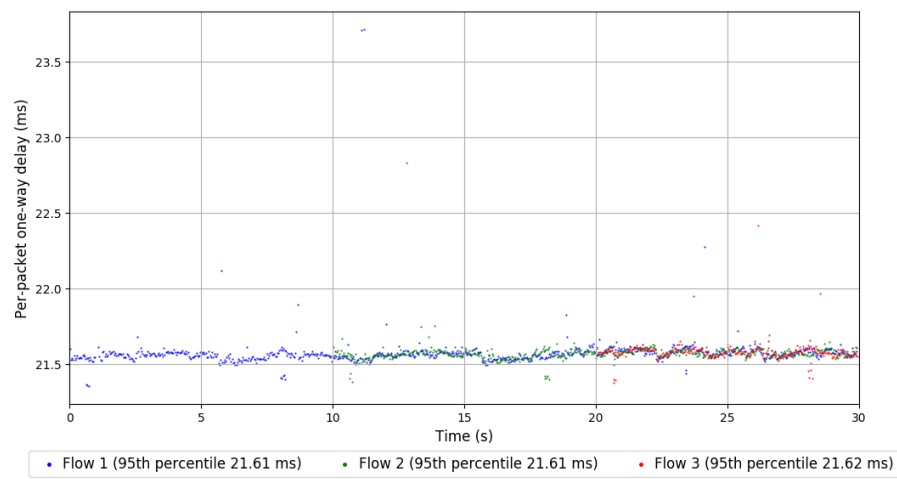
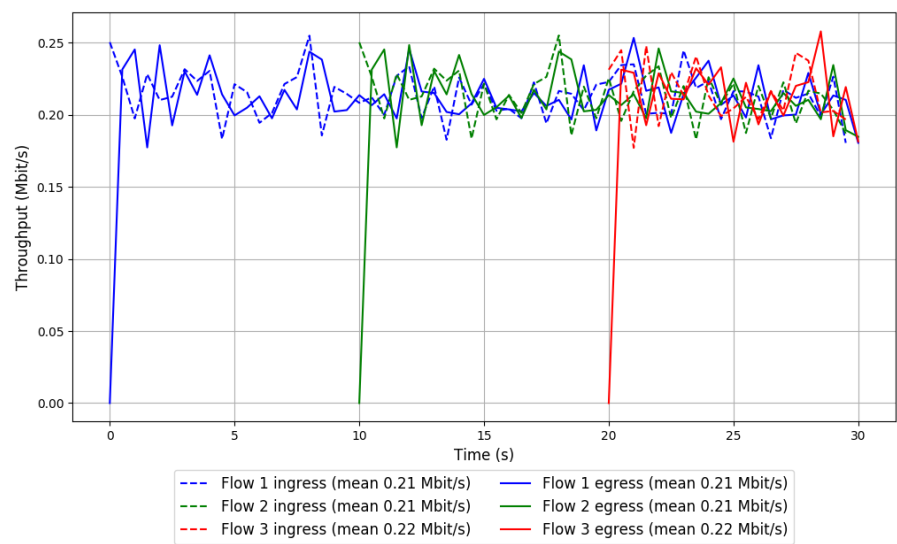


```
Run 1: Statistics of SReAM

Start at: 2018-08-22 19:08:56
End at: 2018-08-22 19:09:26
Local clock offset: -2.216 ms
Remote clock offset: -69.722 ms

# Below is generated by plot.py at 2018-08-22 22:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 21.612 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.614 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.611 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.617 ms
Loss rate: 0.36%
```

Run 1: Report of SReAM — Data Link

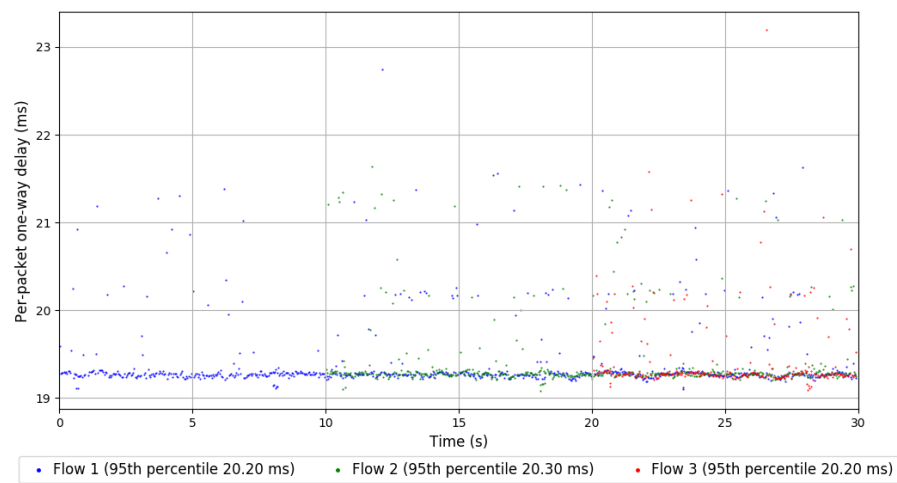
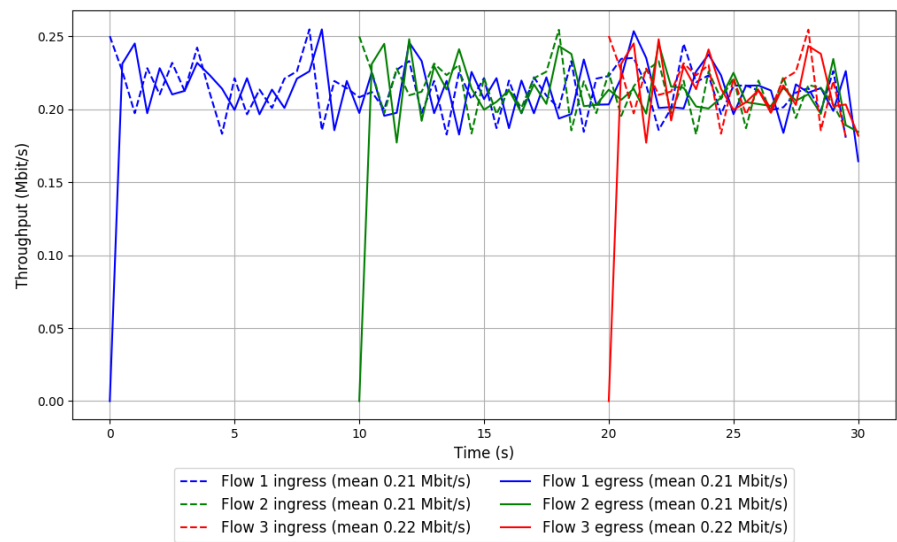


Run 2: Statistics of SReAM

Start at: 2018-08-22 19:29:15
End at: 2018-08-22 19:29:45
Local clock offset: 0.801 ms
Remote clock offset: -64.958 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.238 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.204 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.304 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.205 ms
Loss rate: 0.36%

Run 2: Report of SReAM — Data Link

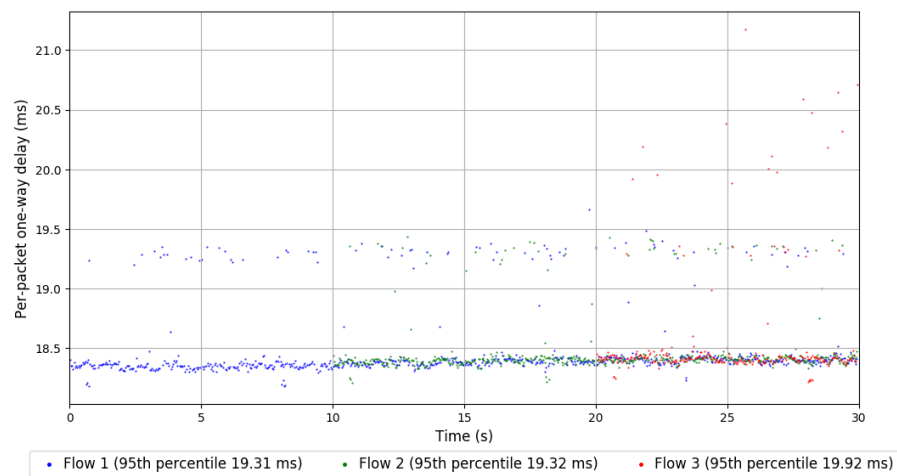
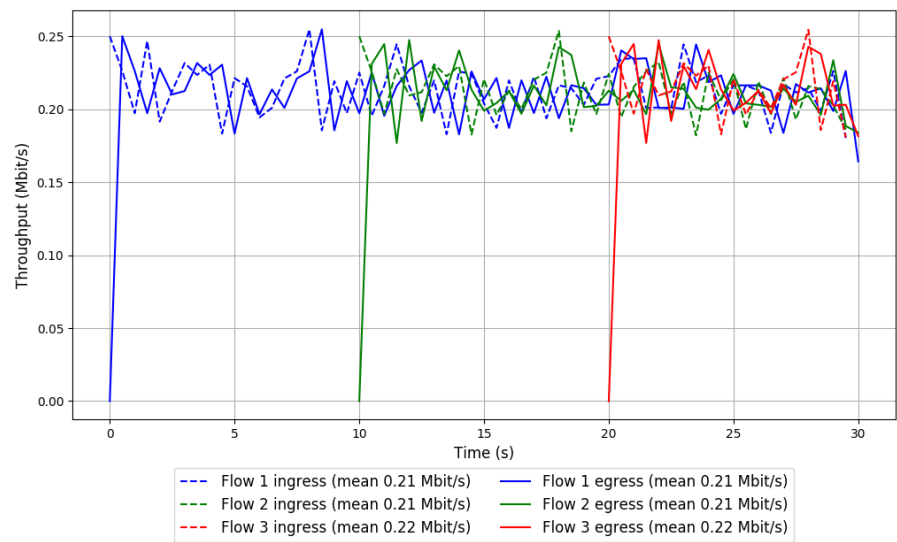


Run 3: Statistics of SCReAM

Start at: 2018-08-22 19:49:01
End at: 2018-08-22 19:49:31
Local clock offset: -0.186 ms
Remote clock offset: -65.038 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.317 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.308 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.922 ms
Loss rate: 0.36%

Run 3: Report of SReAM — Data Link

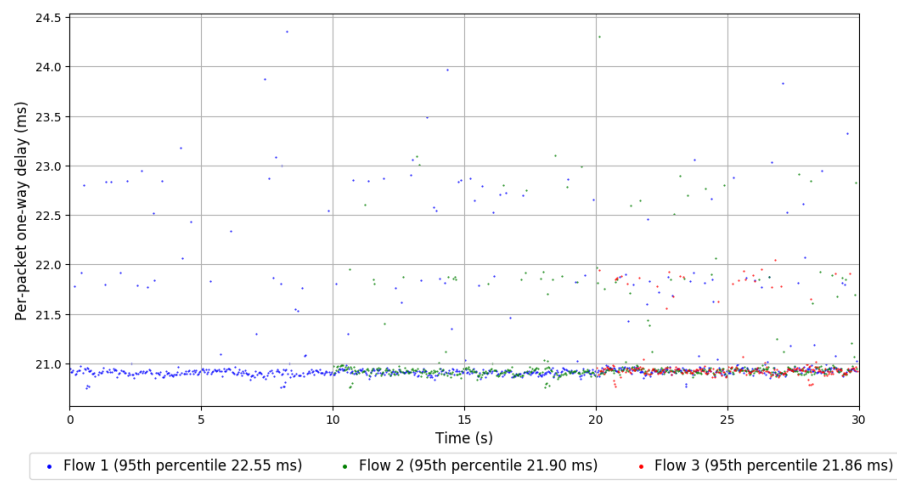
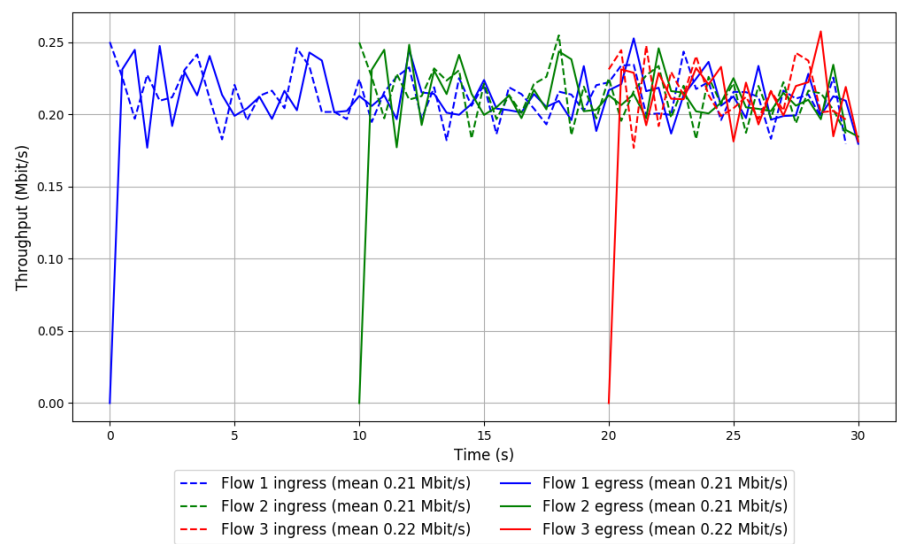


Run 4: Statistics of SReAM

Start at: 2018-08-22 20:09:05
End at: 2018-08-22 20:09:35
Local clock offset: 2.825 ms
Remote clock offset: -63.132 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 21.924 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.547 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 21.897 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.859 ms
Loss rate: 0.36%

Run 4: Report of SReAM — Data Link

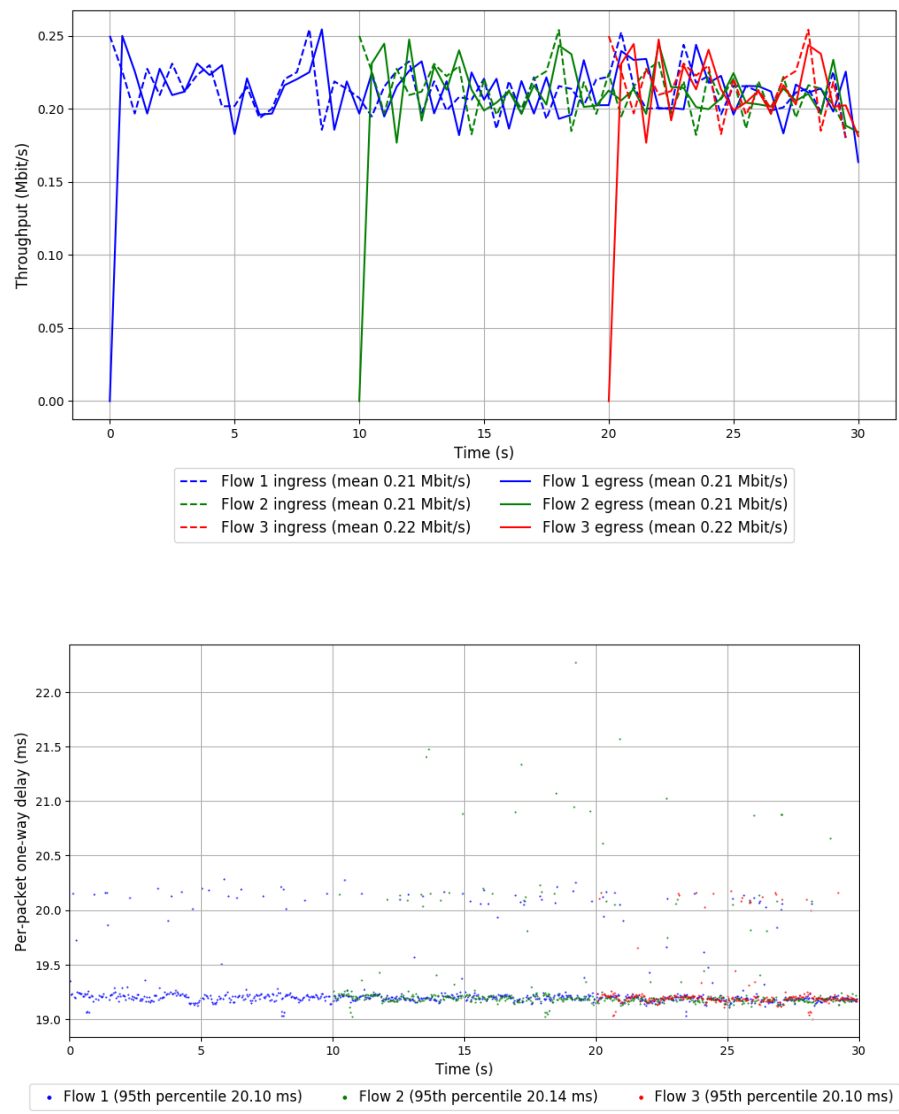


Run 5: Statistics of SReAM

Start at: 2018-08-22 20:28:57
End at: 2018-08-22 20:29:27
Local clock offset: 1.191 ms
Remote clock offset: -63.574 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.108 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.102 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.138 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.099 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

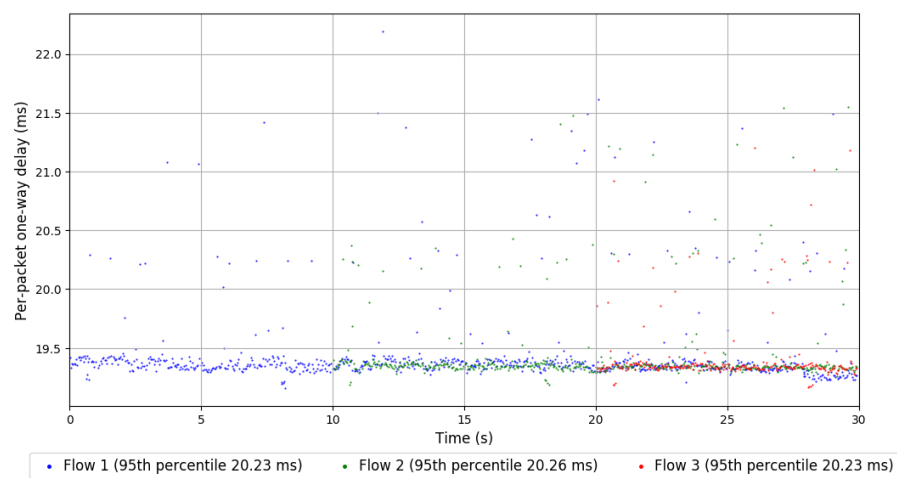
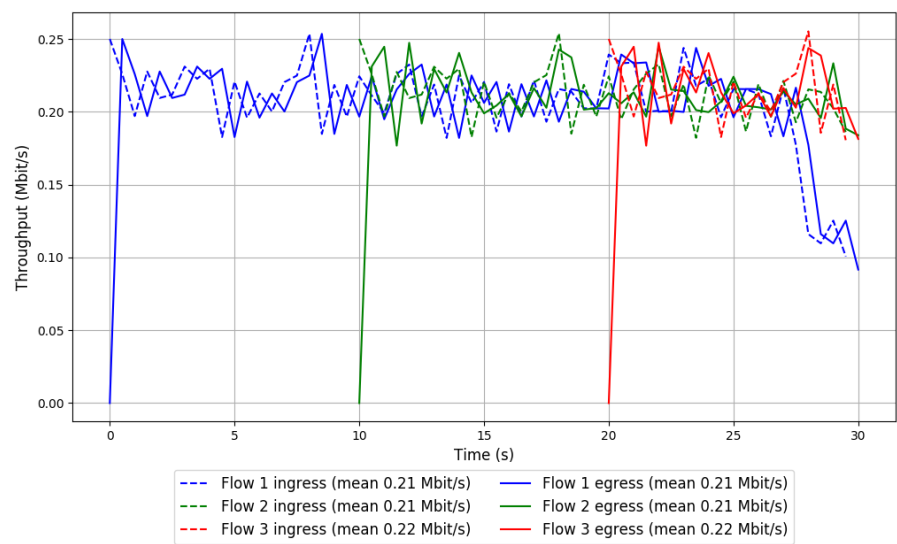


Run 6: Statistics of SReAM

Start at: 2018-08-22 20:48:50
End at: 2018-08-22 20:49:20
Local clock offset: 1.915 ms
Remote clock offset: -64.497 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 20.235 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.234 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.257 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.225 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

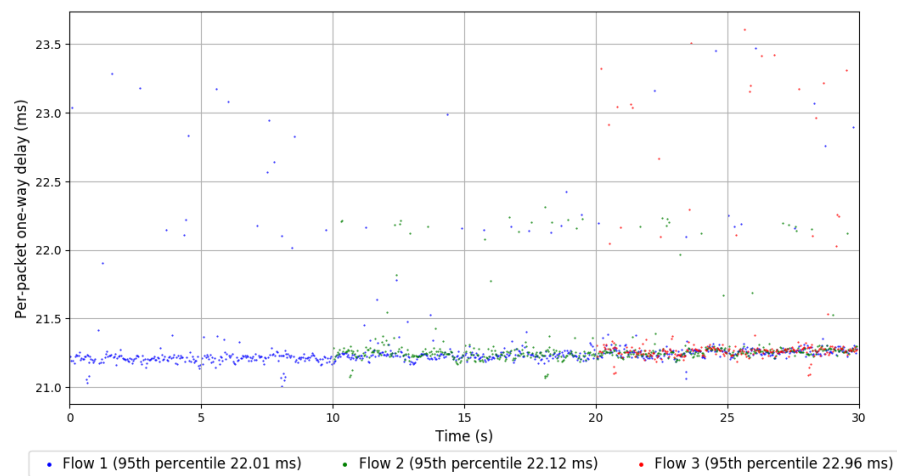
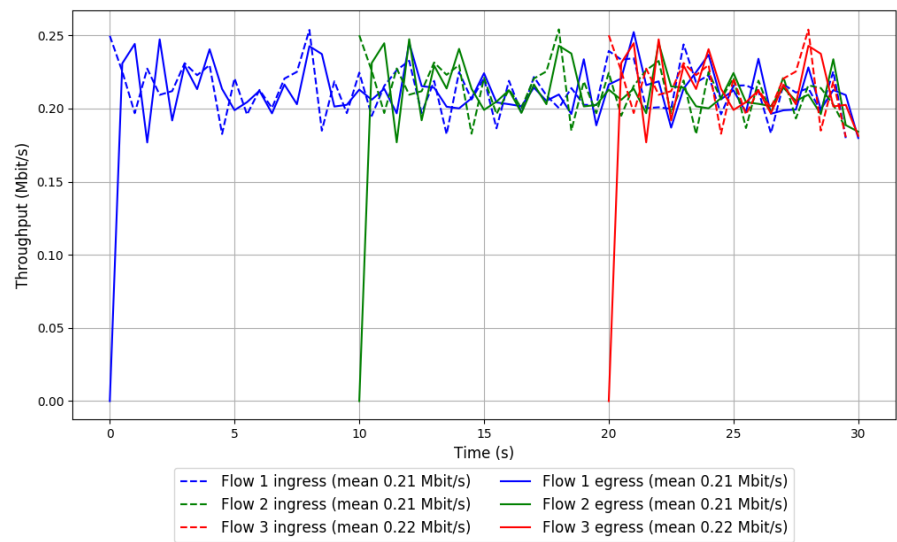


Run 7: Statistics of SReAM

Start at: 2018-08-22 21:09:06
End at: 2018-08-22 21:09:36
Local clock offset: 3.985 ms
Remote clock offset: -64.576 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.140 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.014 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 22.119 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.964 ms
Loss rate: 0.36%

Run 7: Report of SReAM — Data Link

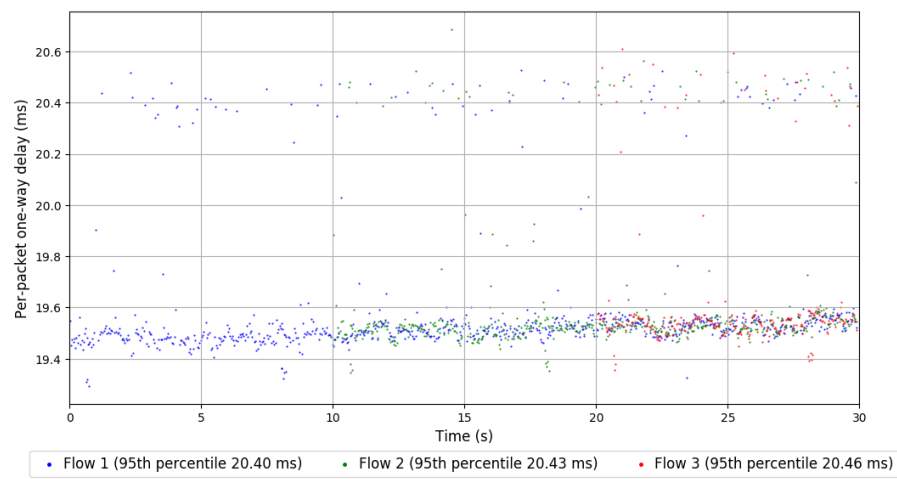
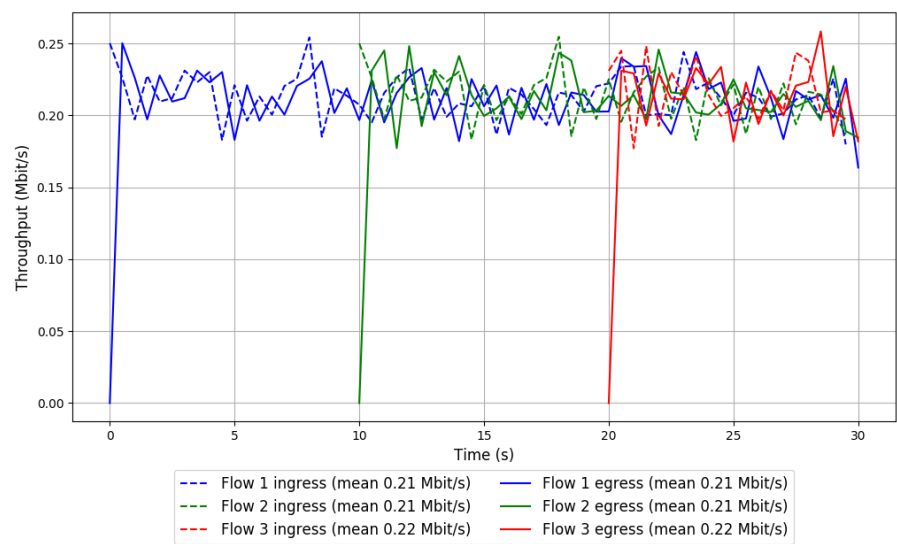


Run 8: Statistics of SReAM

Start at: 2018-08-22 21:29:16
End at: 2018-08-22 21:29:46
Local clock offset: 1.102 ms
Remote clock offset: -64.431 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.420 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.399 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 20.434 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.457 ms
Loss rate: 0.36%

Run 8: Report of SReAM — Data Link

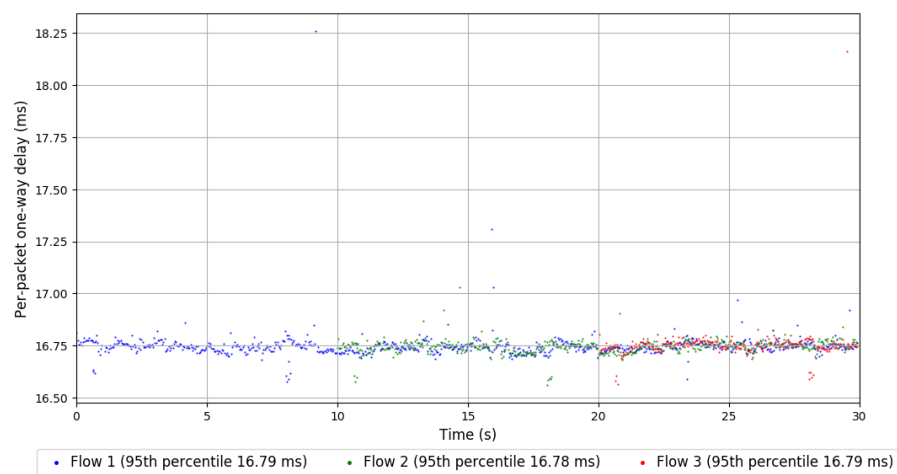
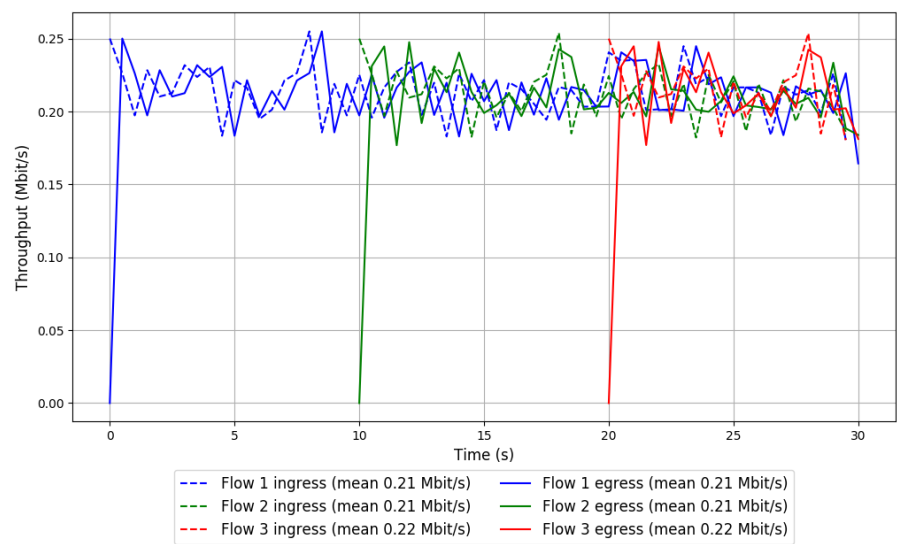


Run 9: Statistics of SReAM

Start at: 2018-08-22 21:49:30
End at: 2018-08-22 21:50:00
Local clock offset: 0.274 ms
Remote clock offset: -62.544 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.786 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.786 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.784 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.787 ms
Loss rate: 0.36%

Run 9: Report of SReAM — Data Link

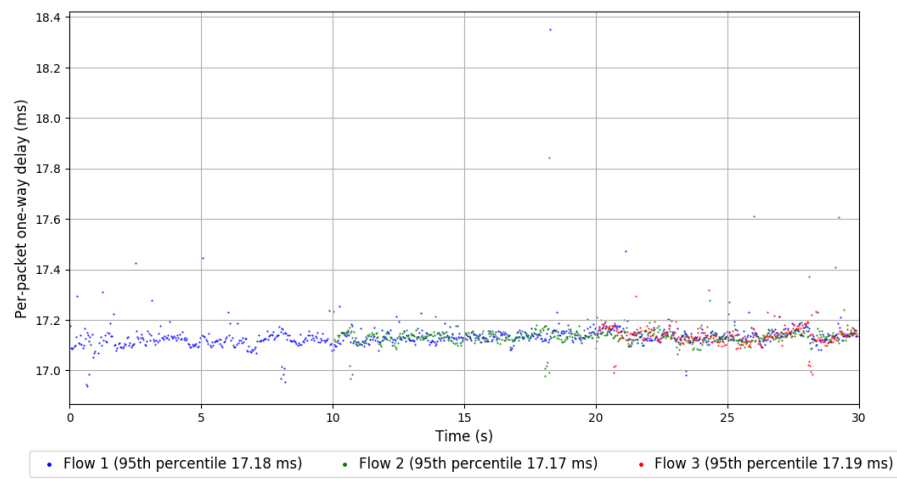
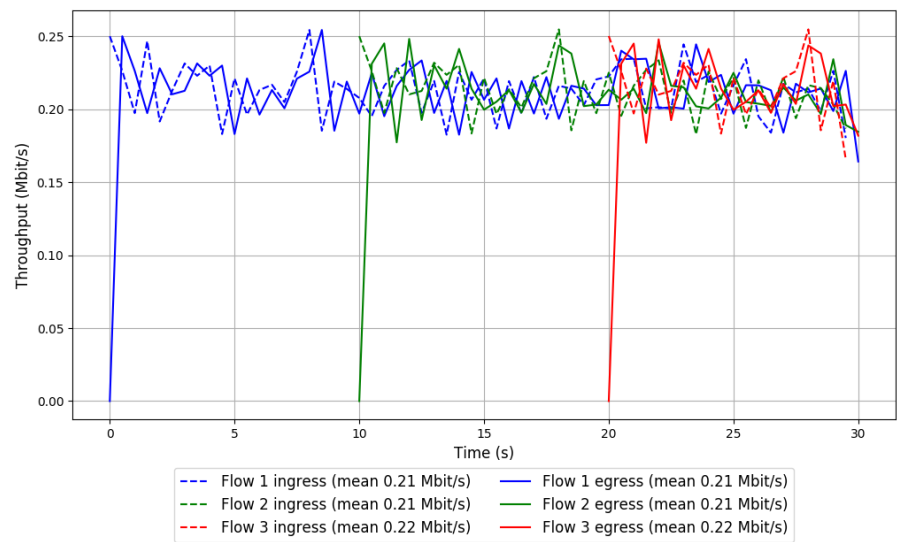


Run 10: Statistics of SReAM

Start at: 2018-08-22 22:09:35
End at: 2018-08-22 22:10:05
Local clock offset: 0.432 ms
Remote clock offset: -62.127 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 17.181 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.181 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.170 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.193 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

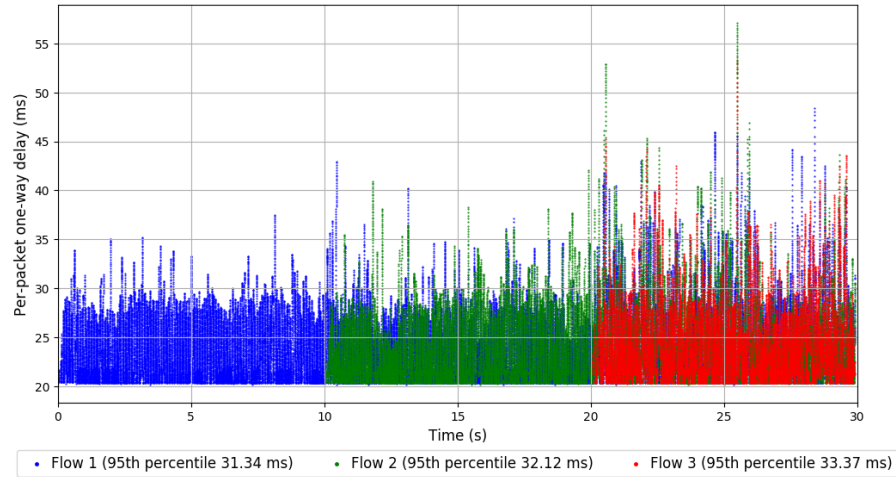
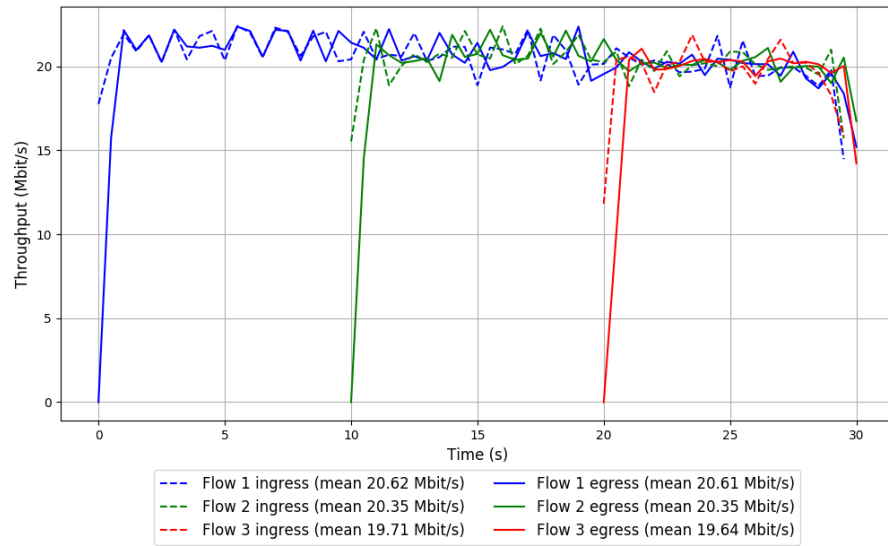


Run 1: Statistics of Sprout

Start at: 2018-08-22 19:19:43
End at: 2018-08-22 19:20:13
Local clock offset: 2.182 ms
Remote clock offset: -64.491 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 31.935 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 31.341 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 32.115 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 33.370 ms
Loss rate: 0.41%

Run 1: Report of Sprout — Data Link

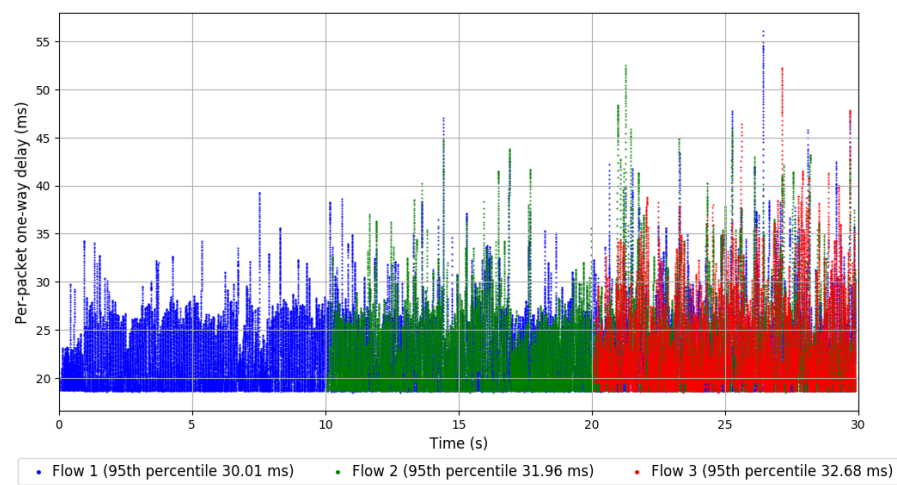
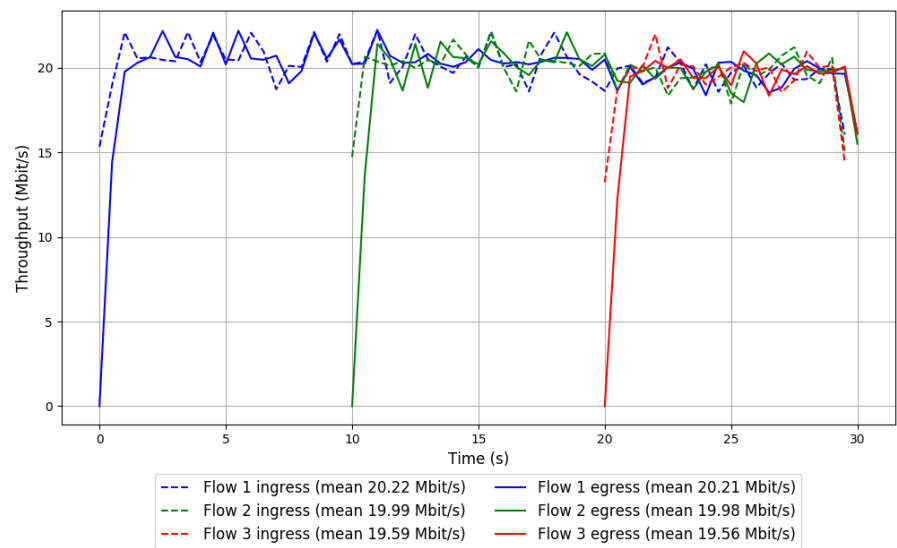


Run 2: Statistics of Sprout

Start at: 2018-08-22 19:39:44
End at: 2018-08-22 19:40:14
Local clock offset: 0.432 ms
Remote clock offset: -65.011 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 31.170 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 30.009 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 31.957 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 32.680 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

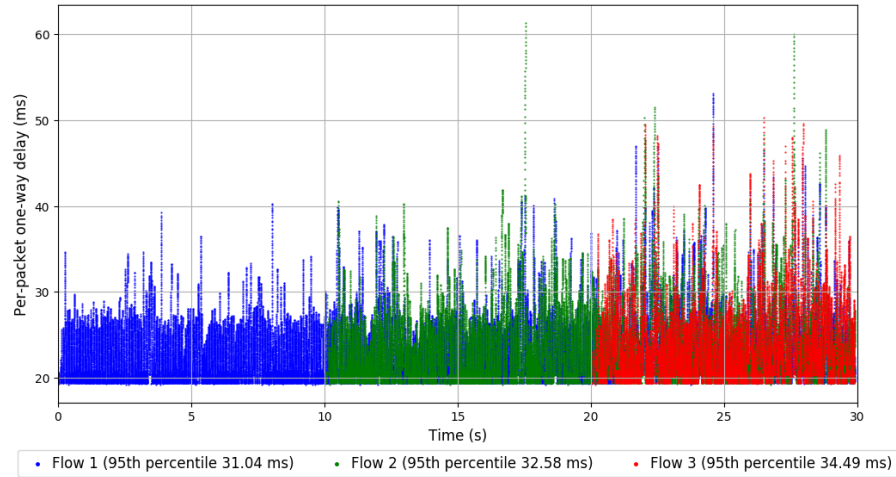
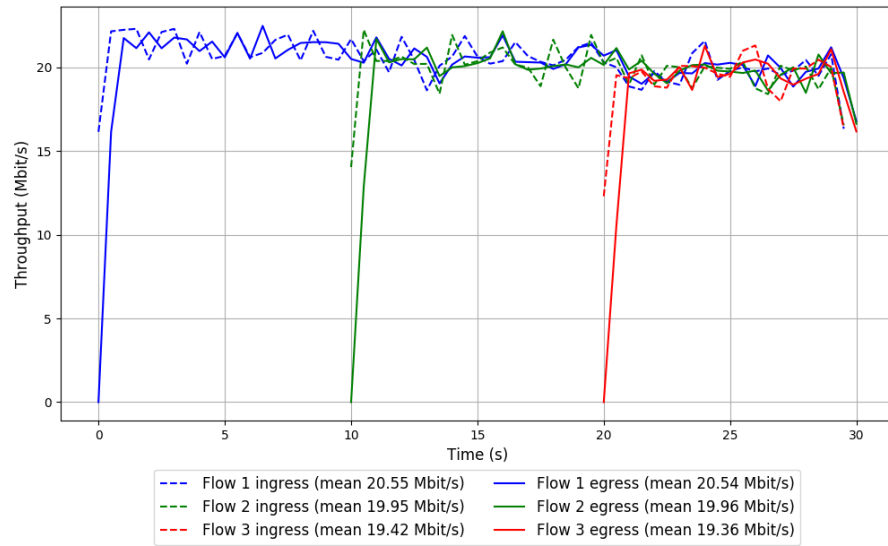


Run 3: Statistics of Sprout

Start at: 2018-08-22 19:59:48
End at: 2018-08-22 20:00:18
Local clock offset: 1.636 ms
Remote clock offset: -63.284 ms

```
# Below is generated by plot.py at 2018-08-22 22:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 32.203 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 31.039 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 19.96 Mbit/s
95th percentile per-packet one-way delay: 32.582 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.36 Mbit/s
95th percentile per-packet one-way delay: 34.495 ms
Loss rate: 0.52%
```

Run 3: Report of Sprout — Data Link

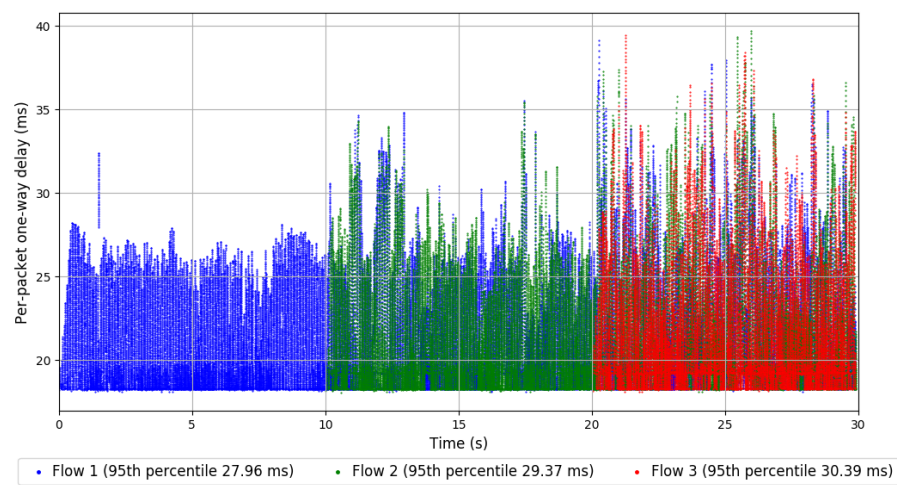
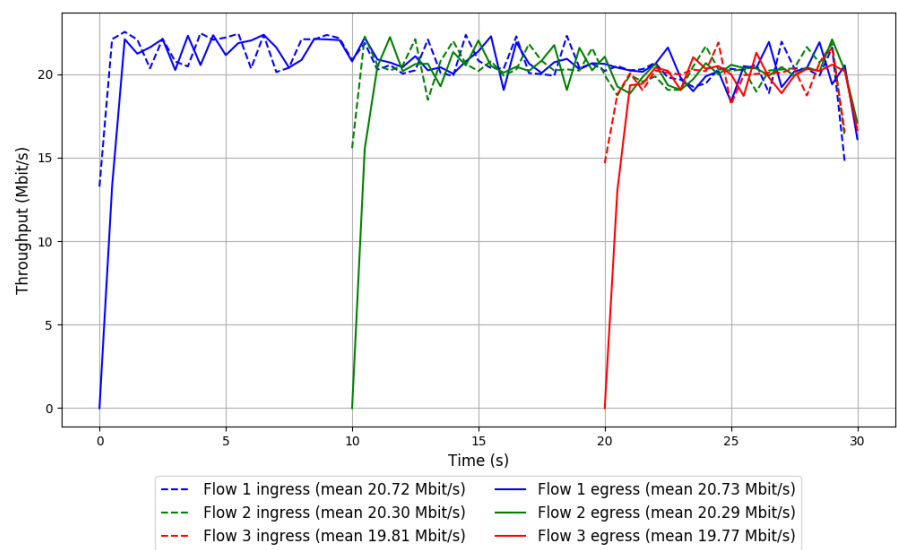


Run 4: Statistics of Sprout

Start at: 2018-08-22 20:19:41
End at: 2018-08-22 20:20:11
Local clock offset: -0.474 ms
Remote clock offset: -63.38 ms

```
# Below is generated by plot.py at 2018-08-22 22:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 28.929 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 27.961 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 29.374 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 19.77 Mbit/s
95th percentile per-packet one-way delay: 30.389 ms
Loss rate: 0.42%
```

Run 4: Report of Sprout — Data Link

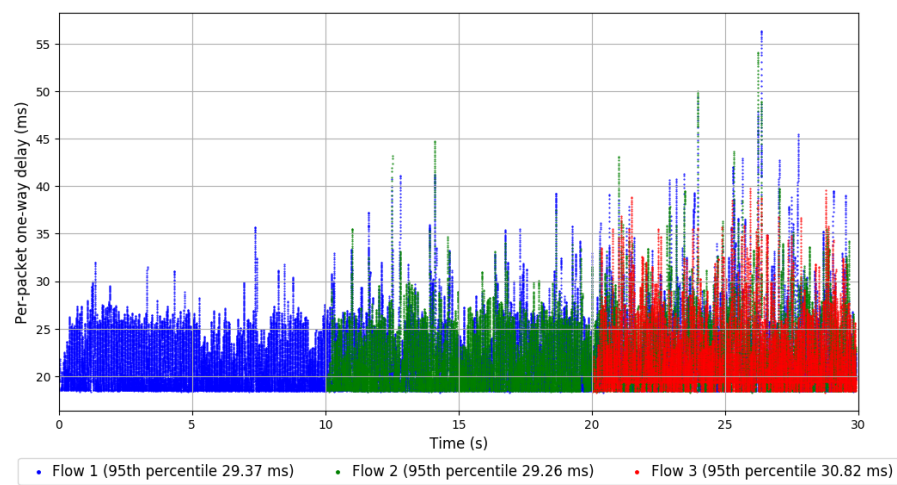
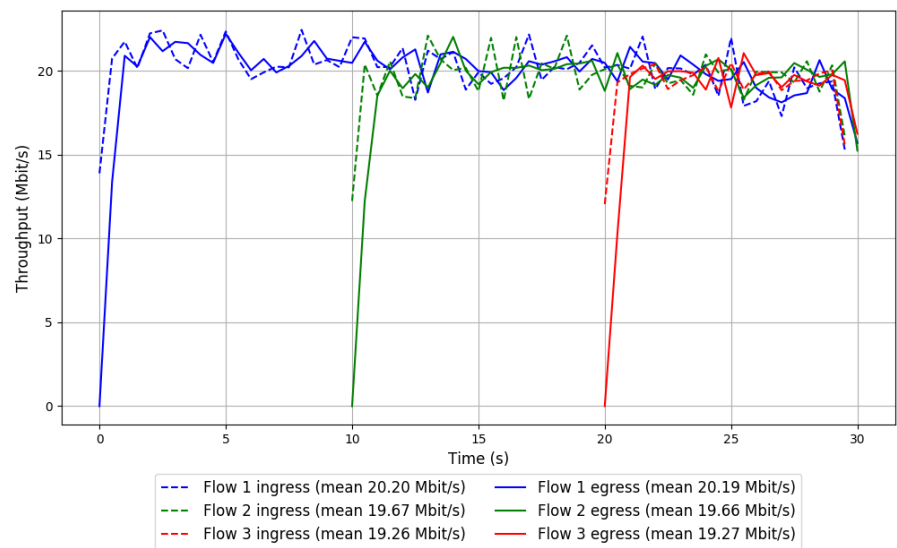


Run 5: Statistics of Sprout

Start at: 2018-08-22 20:39:29
End at: 2018-08-22 20:39:59
Local clock offset: 0.538 ms
Remote clock offset: -64.223 ms

Below is generated by plot.py at 2018-08-22 22:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 29.619 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 29.369 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 29.258 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 19.27 Mbit/s
95th percentile per-packet one-way delay: 30.822 ms
Loss rate: 0.18%

Run 5: Report of Sprout — Data Link

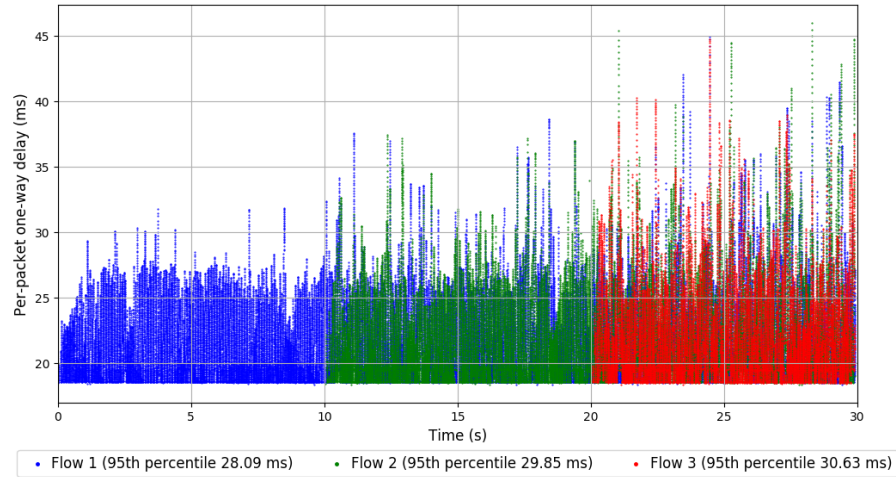
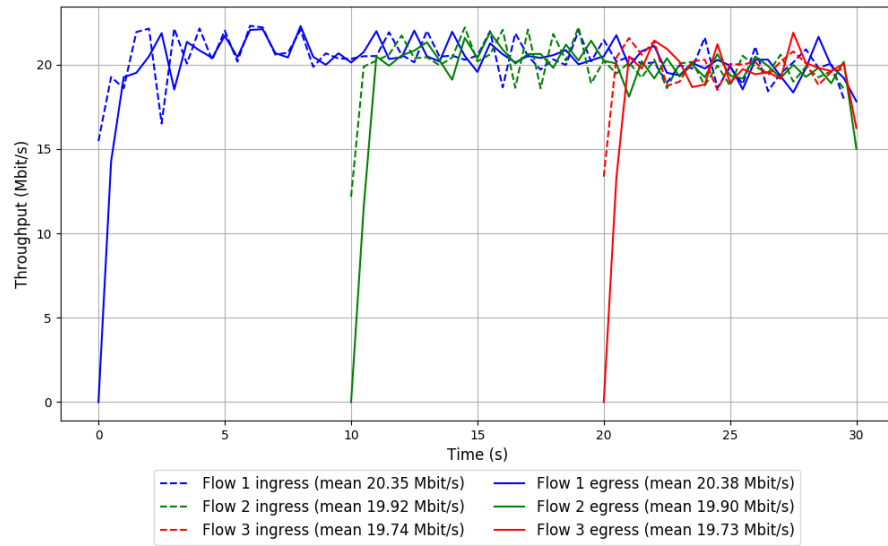


Run 6: Statistics of Sprout

Start at: 2018-08-22 20:59:43
End at: 2018-08-22 21:00:13
Local clock offset: 1.888 ms
Remote clock offset: -64.209 ms

Below is generated by plot.py at 2018-08-22 22:40:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 29.179 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 28.086 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 19.90 Mbit/s
95th percentile per-packet one-way delay: 29.849 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 19.73 Mbit/s
95th percentile per-packet one-way delay: 30.631 ms
Loss rate: 0.90%

Run 6: Report of Sprout — Data Link

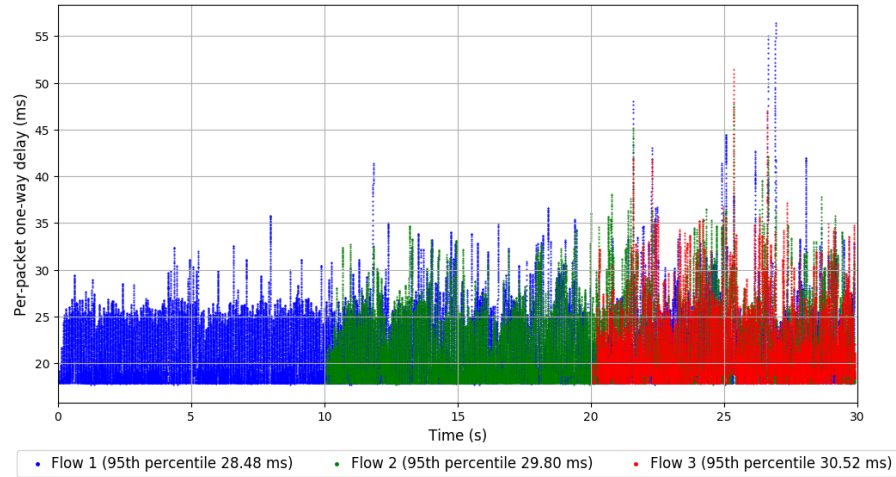
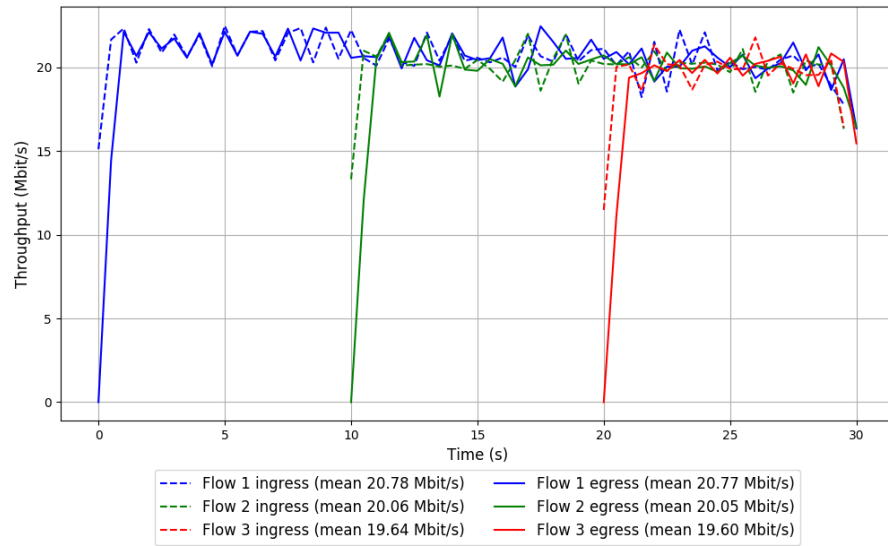


Run 7: Statistics of Sprout

Start at: 2018-08-22 21:19:51
End at: 2018-08-22 21:20:21
Local clock offset: 0.053 ms
Remote clock offset: -64.291 ms

Below is generated by plot.py at 2018-08-22 22:40:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 29.317 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 28.482 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 20.05 Mbit/s
95th percentile per-packet one-way delay: 29.798 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 30.522 ms
Loss rate: 0.36%

Run 7: Report of Sprout — Data Link

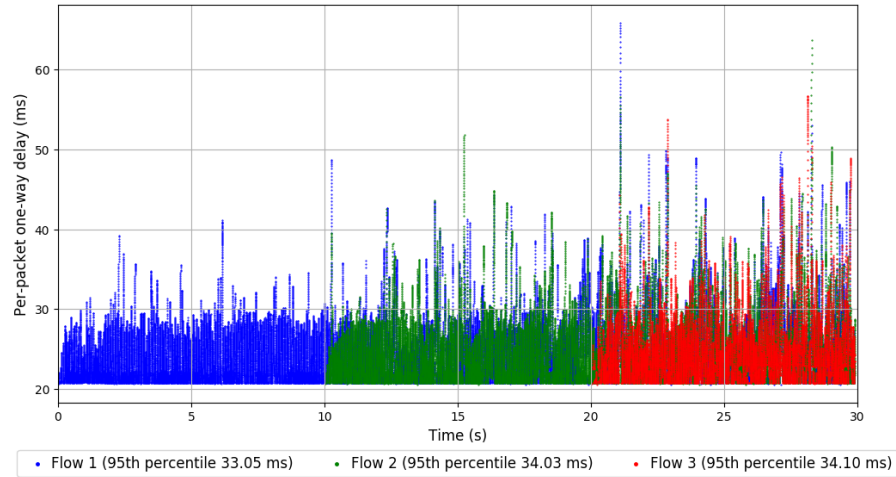
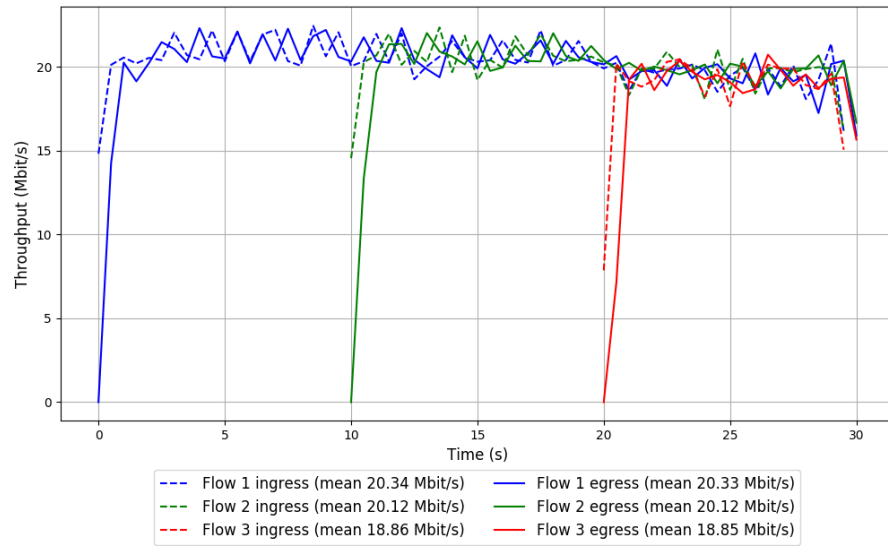


Run 8: Statistics of Sprout

Start at: 2018-08-22 21:40:05
End at: 2018-08-22 21:40:35
Local clock offset: 2.029 ms
Remote clock offset: -64.303 ms

Below is generated by plot.py at 2018-08-22 22:40:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 33.606 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 33.049 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 34.027 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 34.101 ms
Loss rate: 0.23%

Run 8: Report of Sprout — Data Link

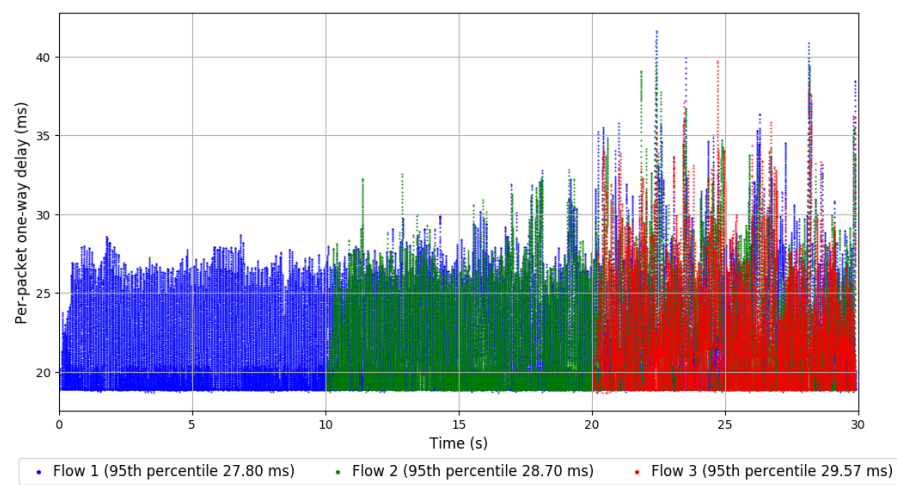
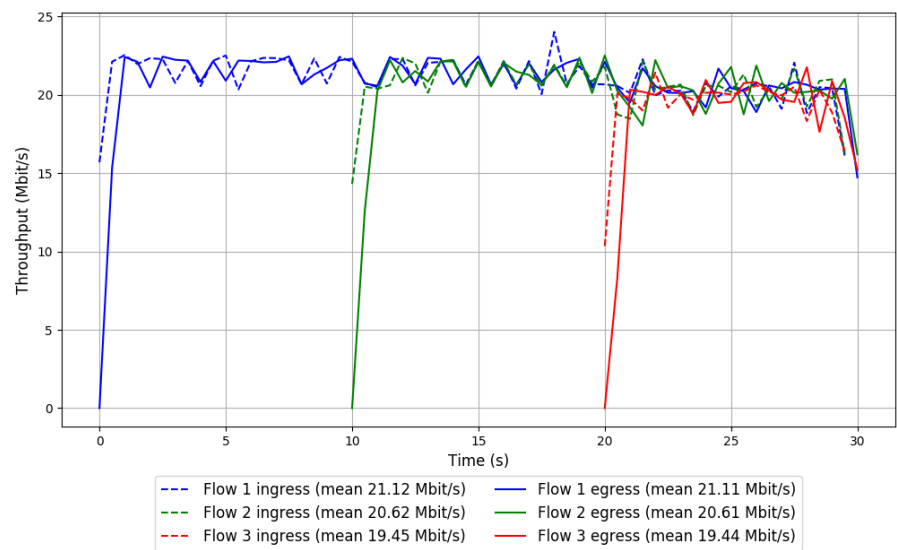


Run 9: Statistics of Sprout

Start at: 2018-08-22 22:00:06
End at: 2018-08-22 22:00:36
Local clock offset: 1.766 ms
Remote clock offset: -63.283 ms

Below is generated by plot.py at 2018-08-22 22:40:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 28.438 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 27.801 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 28.704 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 29.568 ms
Loss rate: 0.48%

Run 9: Report of Sprout — Data Link

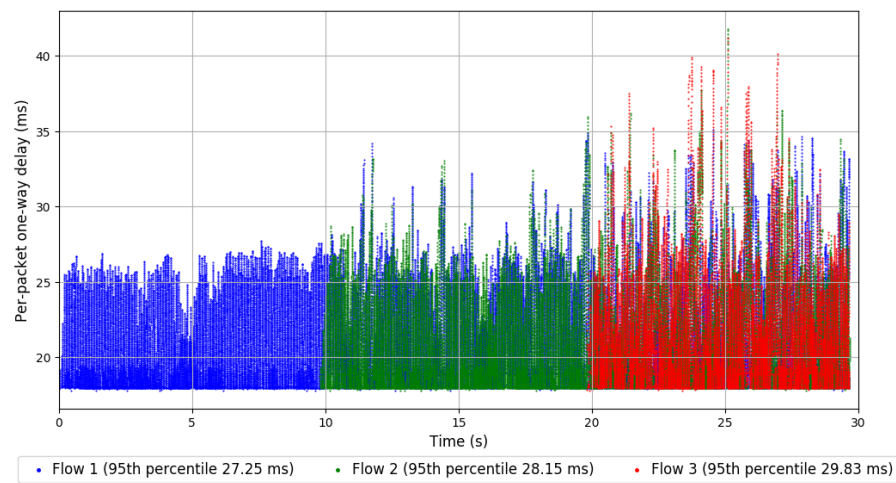
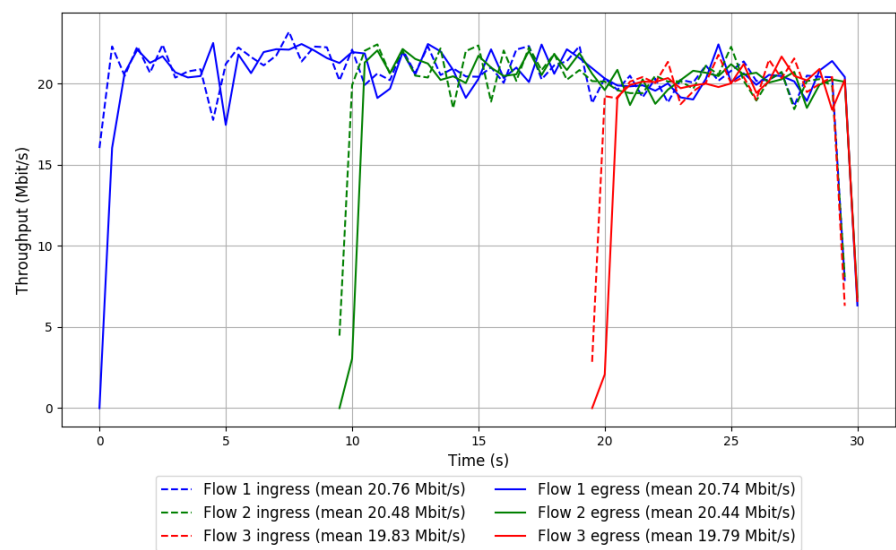


Run 10: Statistics of Sprout

Start at: 2018-08-22 22:20:13
End at: 2018-08-22 22:20:43
Local clock offset: 1.002 ms
Remote clock offset: -61.794 ms

Below is generated by plot.py at 2018-08-22 22:40:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.01 Mbit/s
95th percentile per-packet one-way delay: 27.991 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 27.248 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 28.151 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 29.828 ms
Loss rate: 0.44%

Run 10: Report of Sprout — Data Link

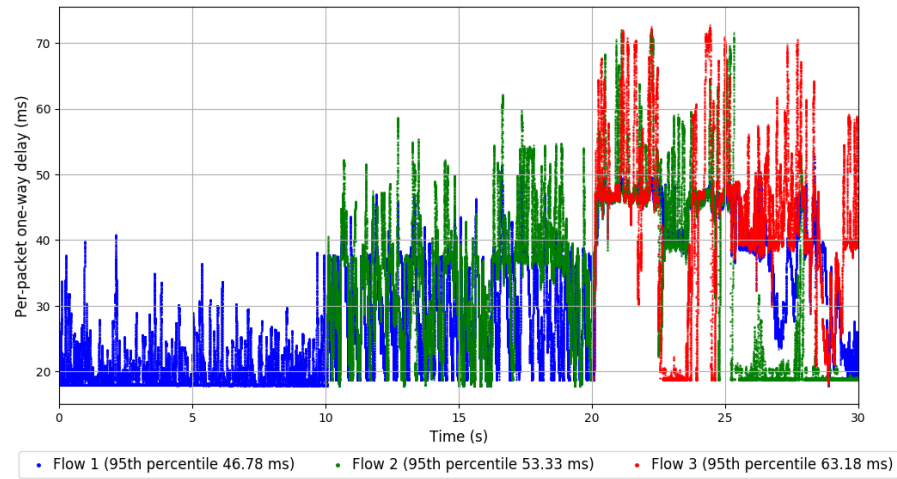
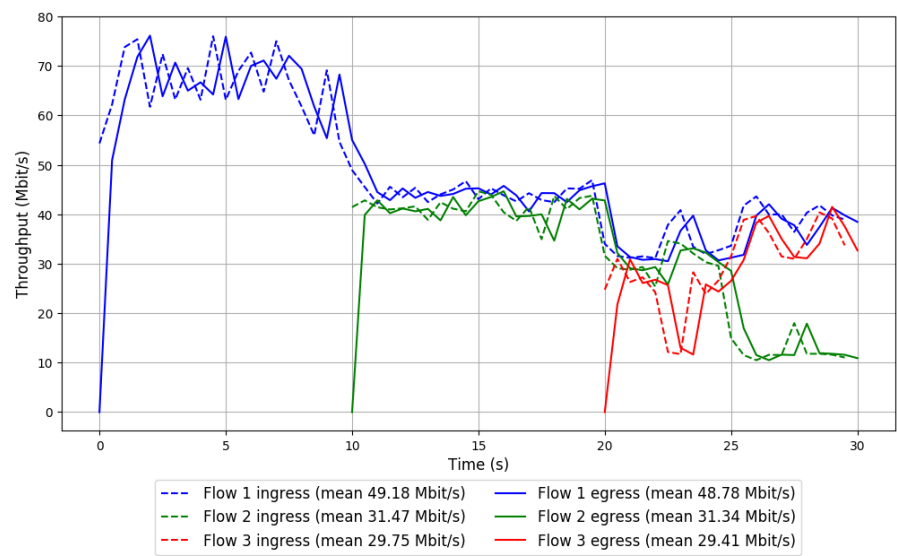


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 19:14:51
End at: 2018-08-22 19:15:21
Local clock offset: 0.19 ms
Remote clock offset: -63.668 ms

# Below is generated by plot.py at 2018-08-22 22:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 49.054 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 46.783 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 53.327 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 63.180 ms
Loss rate: 1.44%
```

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

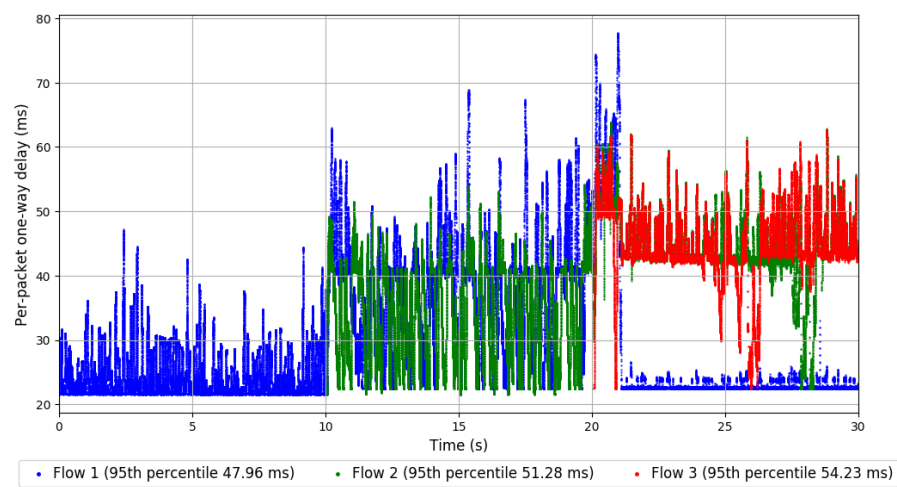
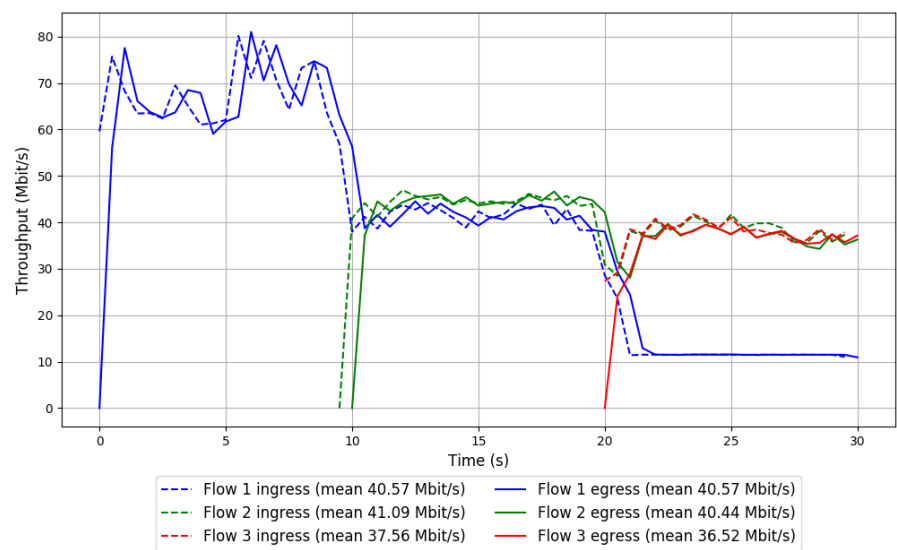


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 19:34:59
End at: 2018-08-22 19:35:29
Local clock offset: 3.155 ms
Remote clock offset: -64.977 ms

# Below is generated by plot.py at 2018-08-22 22:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.64 Mbit/s
95th percentile per-packet one-way delay: 51.411 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 47.962 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 51.285 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 54.226 ms
Loss rate: 3.11%
```

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

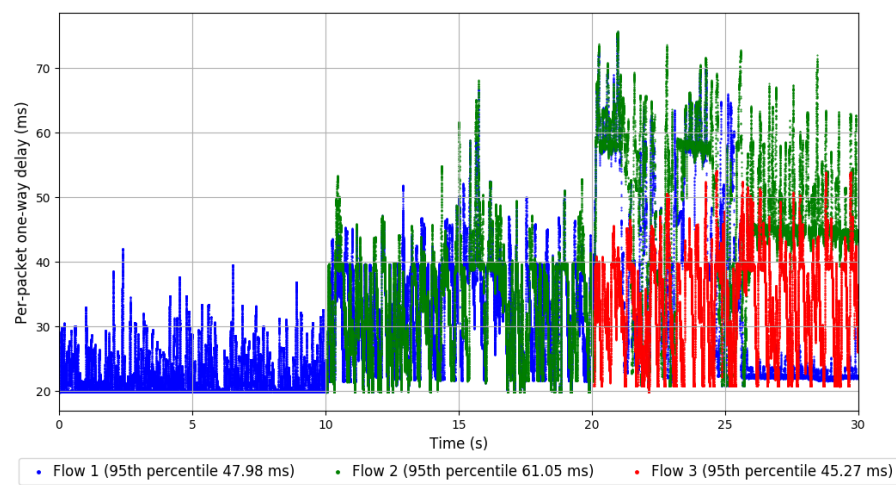
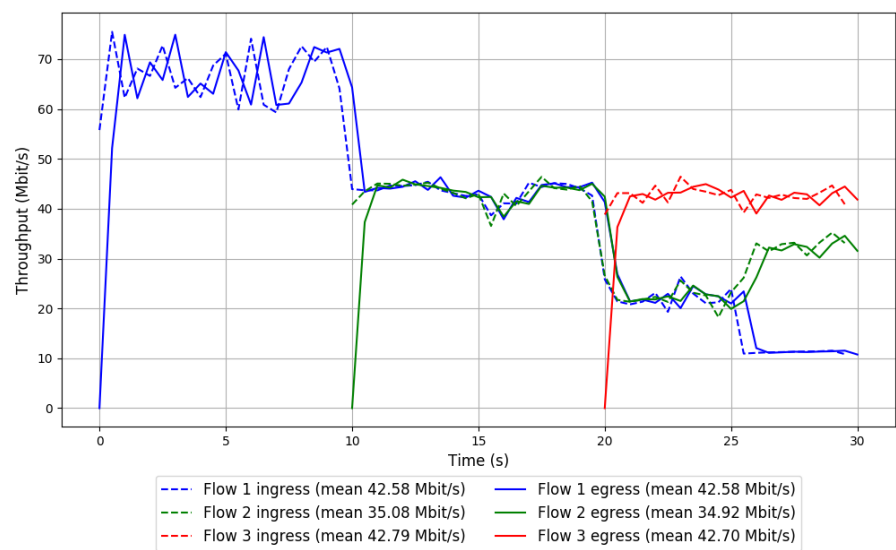


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 19:54:47
End at: 2018-08-22 19:55:17
Local clock offset: 1.583 ms
Remote clock offset: -64.173 ms

Below is generated by plot.py at 2018-08-22 22:42:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 57.125 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 47.979 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.92 Mbit/s
95th percentile per-packet one-way delay: 61.051 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 45.269 ms
Loss rate: 0.45%

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

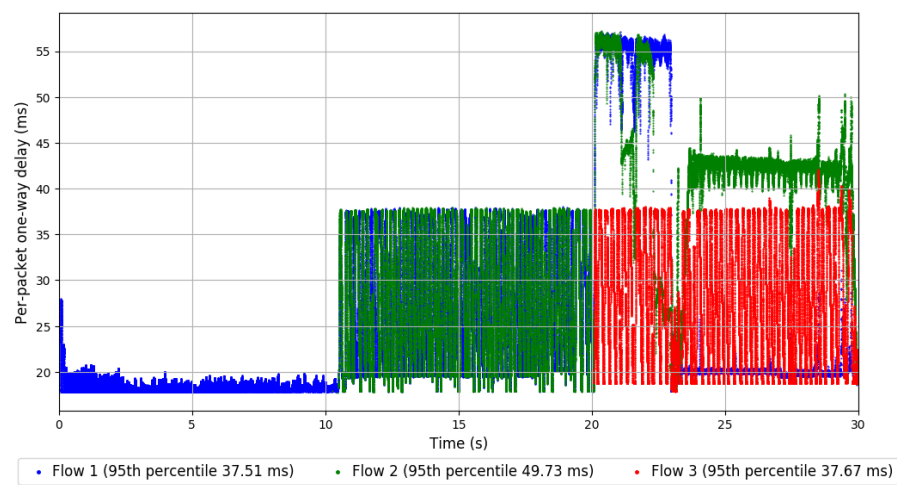
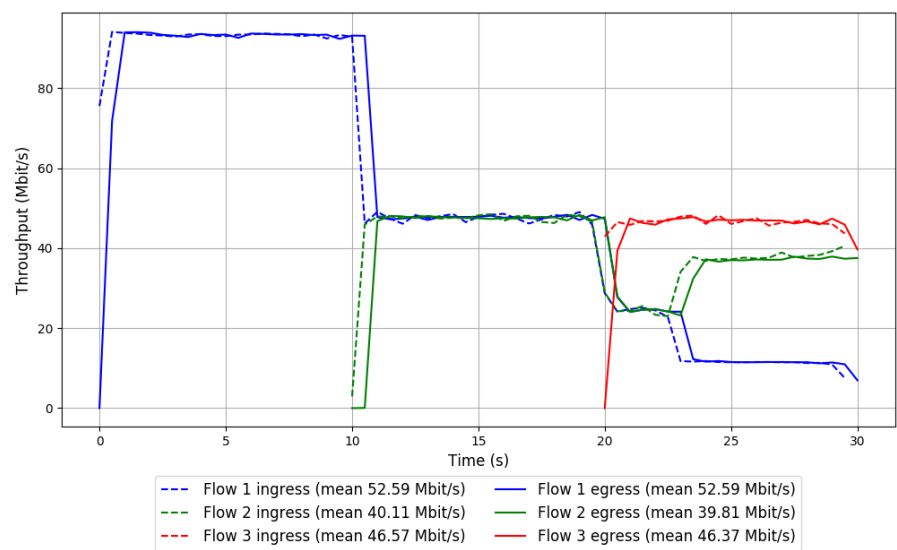


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 20:14:51
End at: 2018-08-22 20:15:21
Local clock offset: -0.223 ms
Remote clock offset: -62.937 ms

Below is generated by plot.py at 2018-08-22 22:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 43.191 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 37.510 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 49.728 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 46.37 Mbit/s
95th percentile per-packet one-way delay: 37.674 ms
Loss rate: 0.67%

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

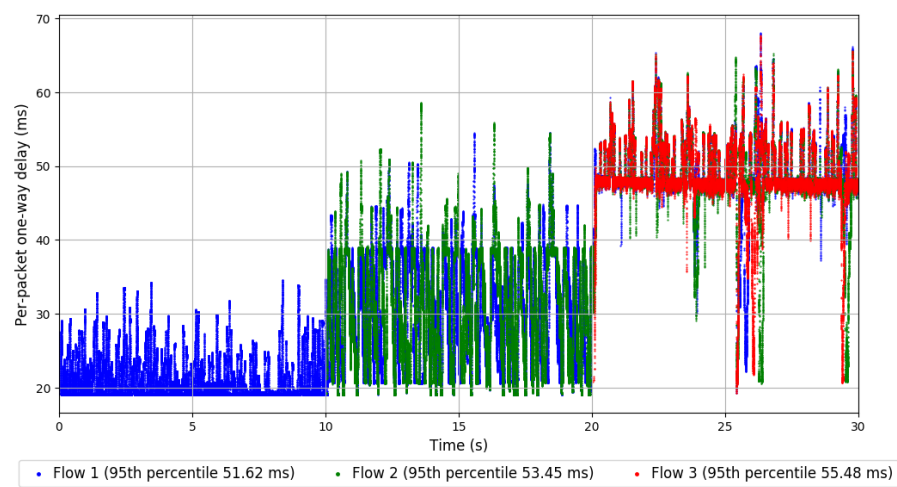
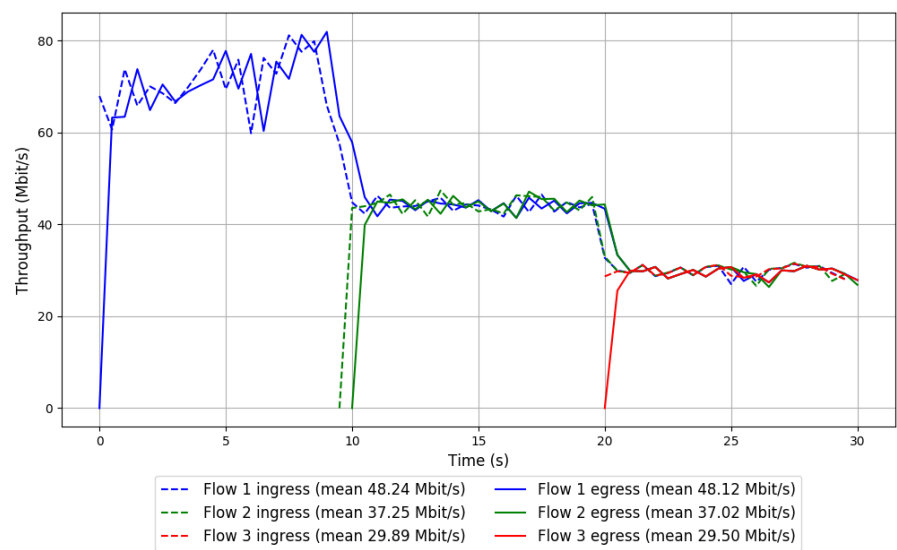


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 20:34:45
End at: 2018-08-22 20:35:15
Local clock offset: 1.201 ms
Remote clock offset: -63.735 ms

Below is generated by plot.py at 2018-08-22 22:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 53.227 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 51.615 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 53.447 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 55.483 ms
Loss rate: 1.56%

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

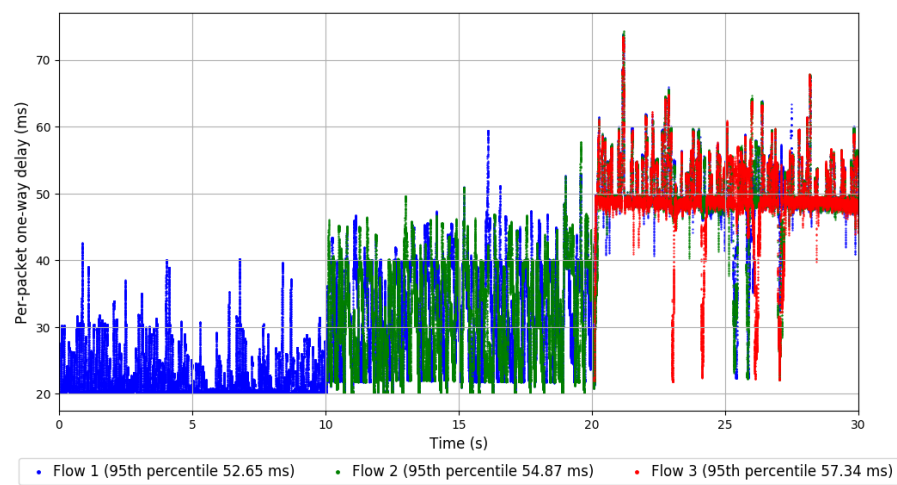
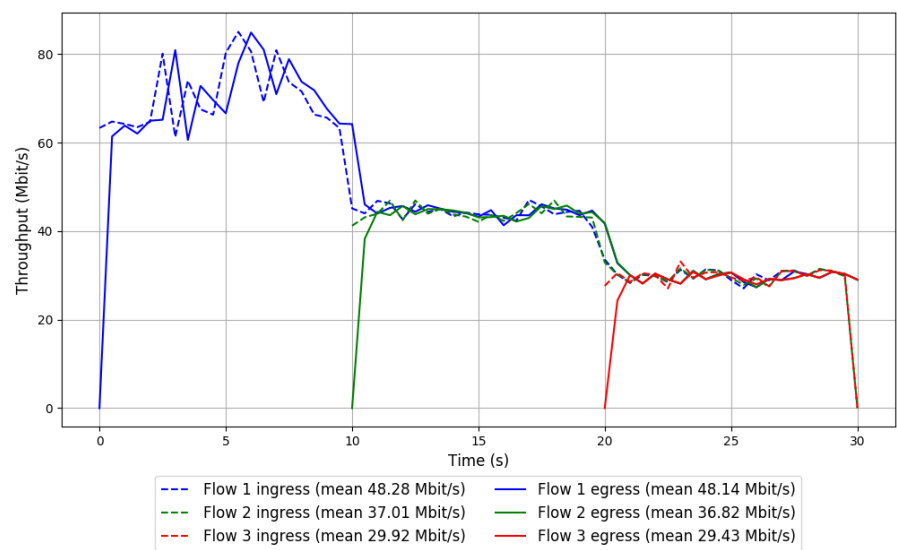


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 20:54:39
End at: 2018-08-22 20:55:09
Local clock offset: 4.045 ms
Remote clock offset: -63.498 ms

Below is generated by plot.py at 2018-08-22 22:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.43 Mbit/s
95th percentile per-packet one-way delay: 54.524 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 52.647 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 54.871 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 57.337 ms
Loss rate: 2.14%

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

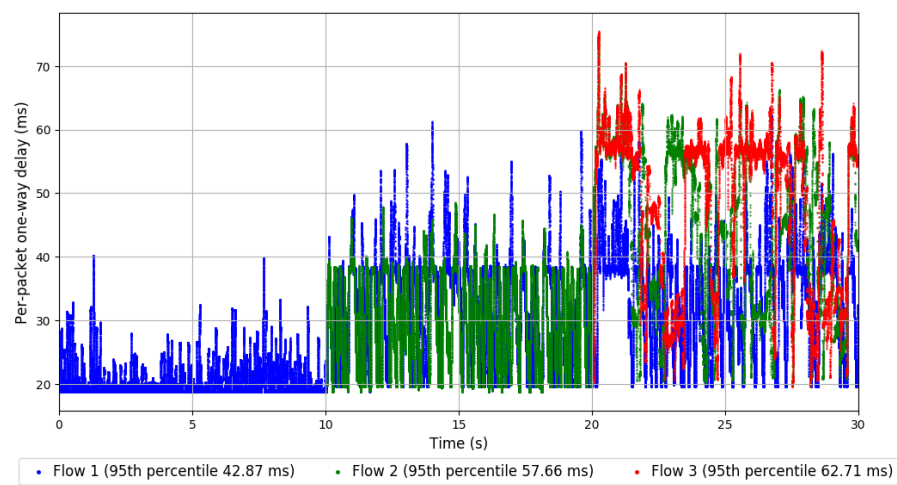
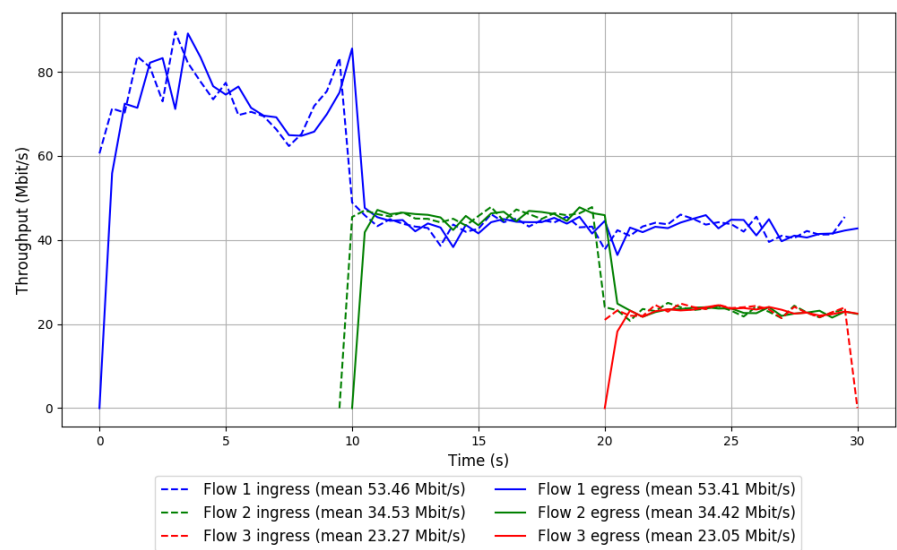


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 21:15:01
End at: 2018-08-22 21:15:31
Local clock offset: 0.759 ms
Remote clock offset: -64.669 ms

Below is generated by plot.py at 2018-08-22 22:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 56.716 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 42.873 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 57.655 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 23.05 Mbit/s
95th percentile per-packet one-way delay: 62.707 ms
Loss rate: 1.41%

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

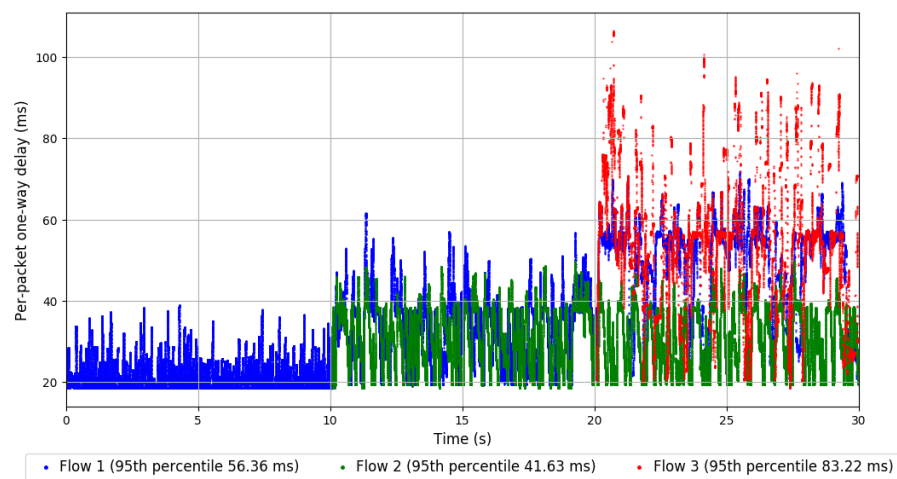
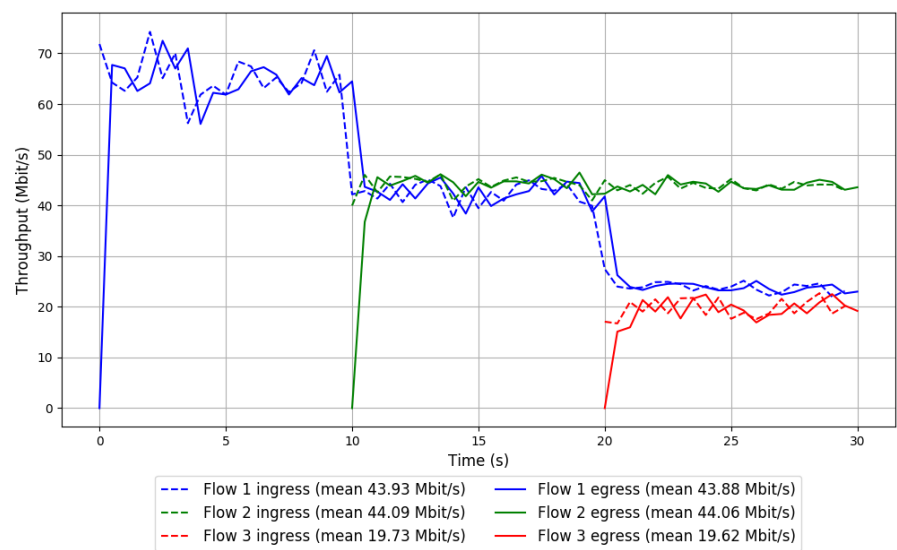


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 21:35:05
End at: 2018-08-22 21:35:35
Local clock offset: 0.014 ms
Remote clock offset: -63.766 ms

Below is generated by plot.py at 2018-08-22 22:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 56.698 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 43.88 Mbit/s
95th percentile per-packet one-way delay: 56.362 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 41.626 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 83.220 ms
Loss rate: 0.83%

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

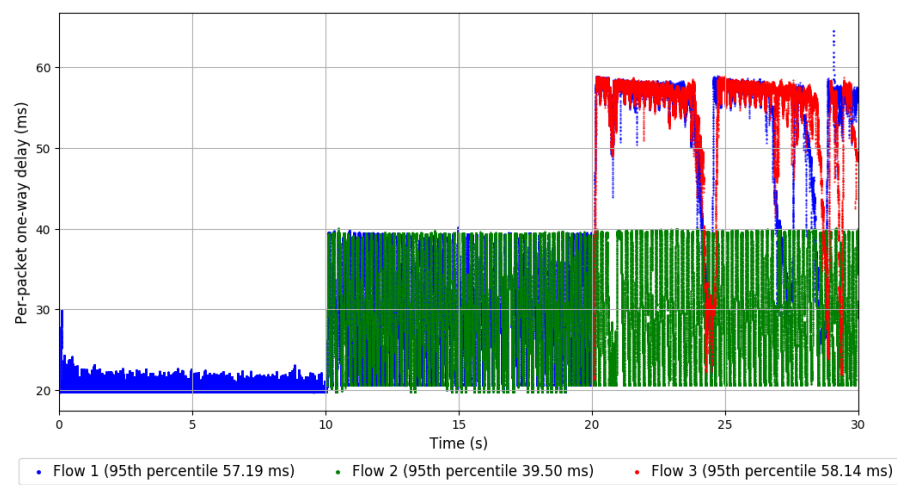
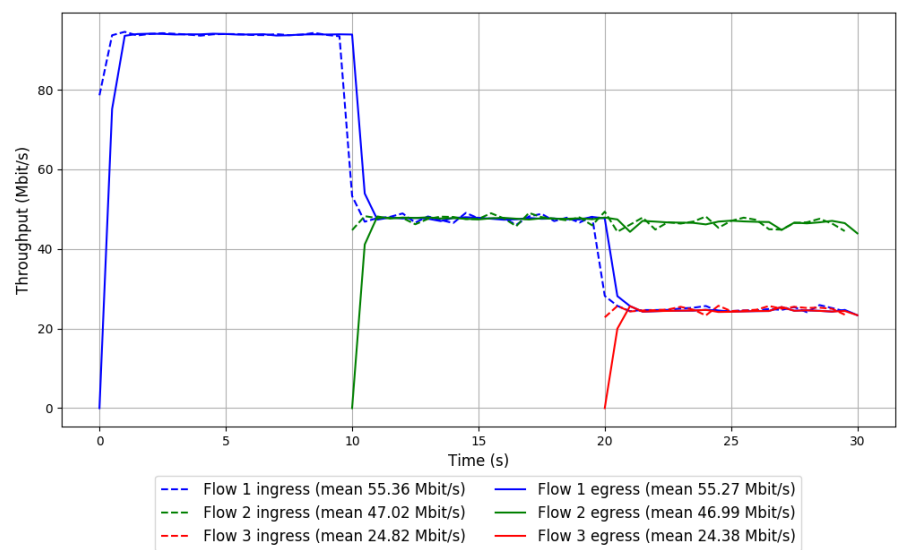


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 21:55:19
End at: 2018-08-22 21:55:49
Local clock offset: 2.058 ms
Remote clock offset: -63.848 ms

Below is generated by plot.py at 2018-08-22 22:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 57.375 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 55.27 Mbit/s
95th percentile per-packet one-way delay: 57.193 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: 39.502 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 58.136 ms
Loss rate: 1.99%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 22:15:25

End at: 2018-08-22 22:15:55

Local clock offset: 2.355 ms

Remote clock offset: -61.414 ms

Below is generated by plot.py at 2018-08-22 22:43:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 47.352 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 57.97 Mbit/s

95th percentile per-packet one-way delay: 47.047 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 39.49 Mbit/s

95th percentile per-packet one-way delay: 47.399 ms

Loss rate: 1.03%

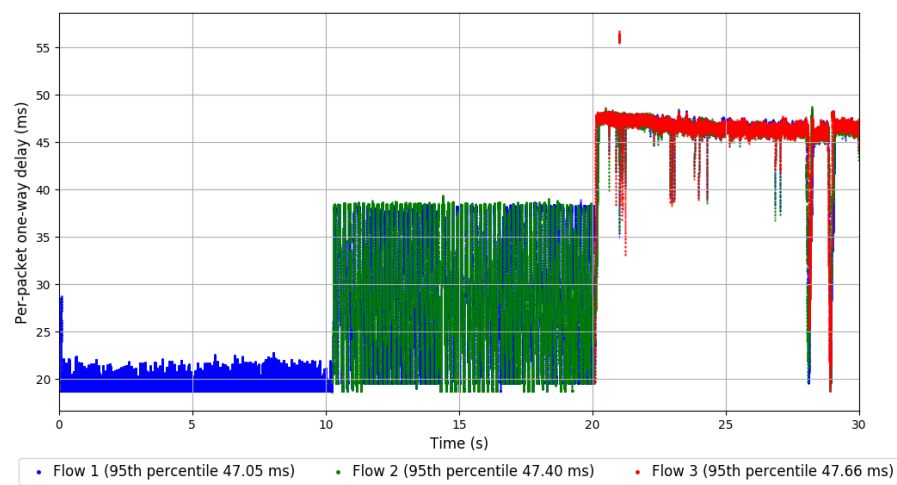
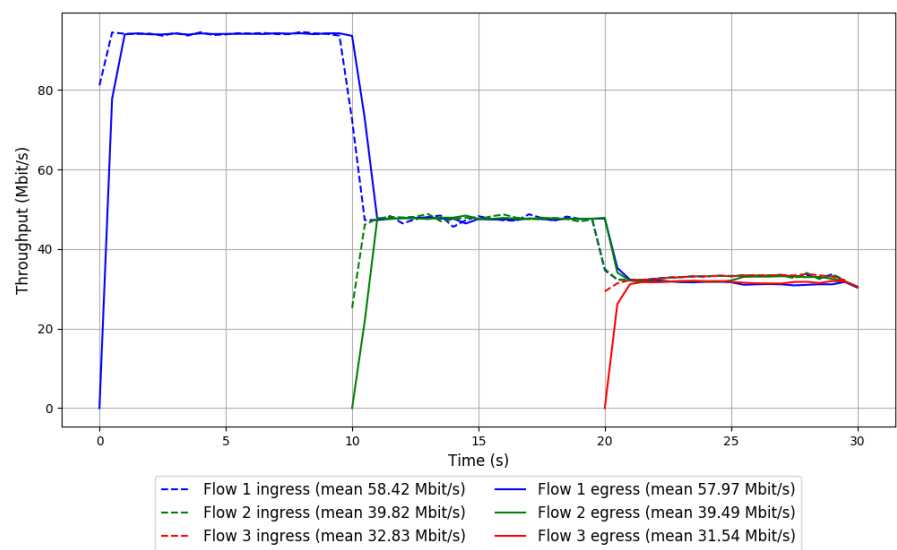
-- Flow 3:

Average throughput: 31.54 Mbit/s

95th percentile per-packet one-way delay: 47.655 ms

Loss rate: 4.31%

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

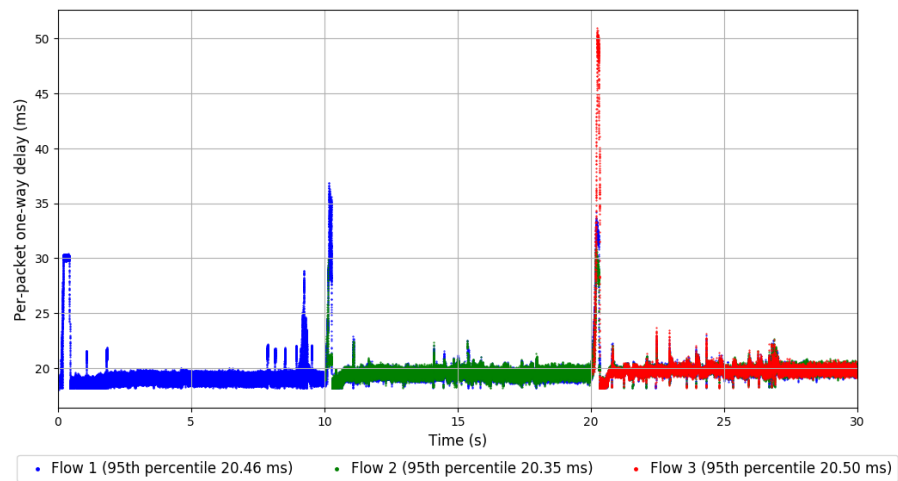
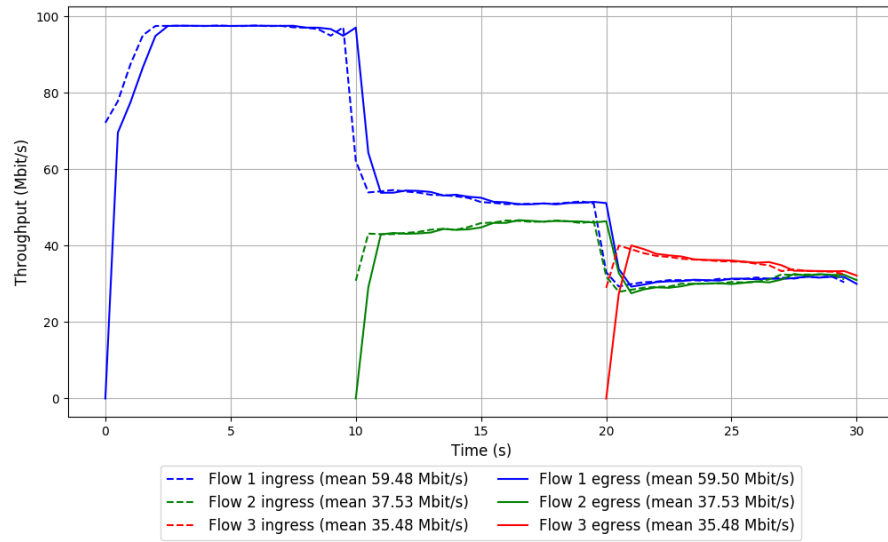


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 19:10:01
End at: 2018-08-22 19:10:31
Local clock offset: 0.895 ms
Remote clock offset: -63.169 ms

Below is generated by plot.py at 2018-08-22 22:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 20.413 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 20.465 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 20.346 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 35.48 Mbit/s
95th percentile per-packet one-way delay: 20.502 ms
Loss rate: 0.25%

Run 1: Report of TCP Vegas — Data Link

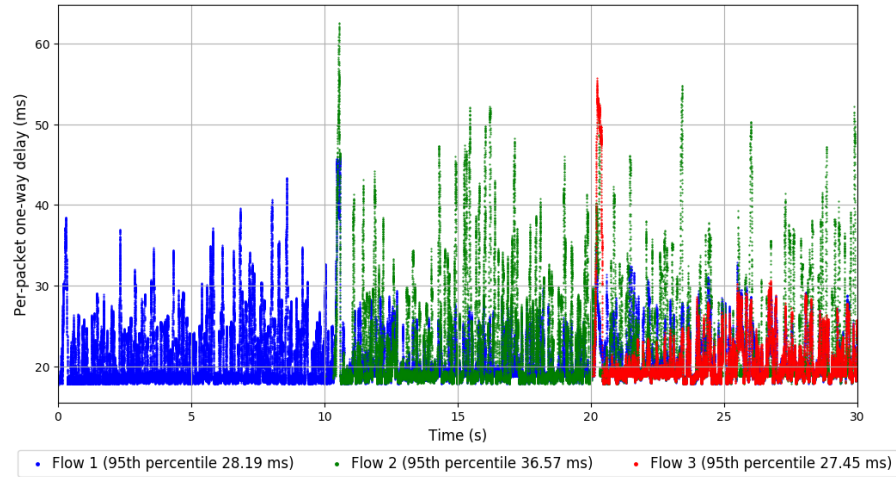
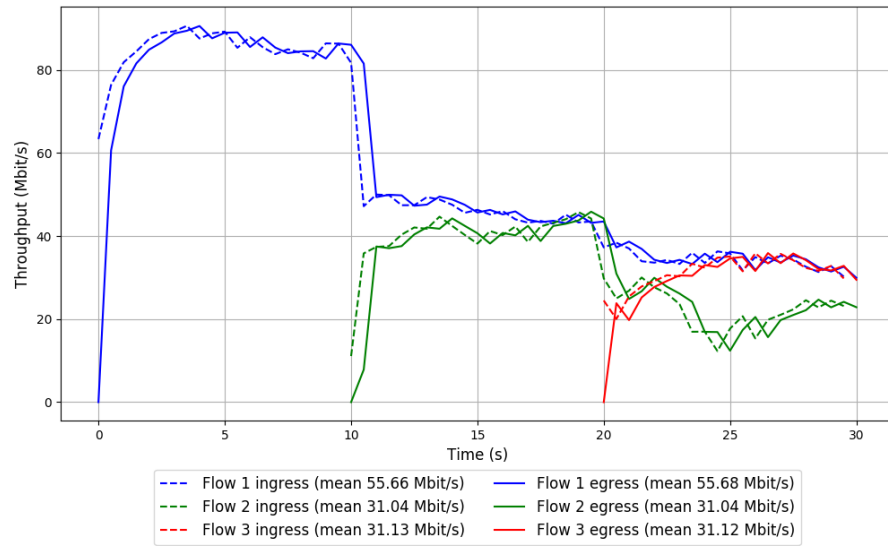


Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 19:30:21
End at: 2018-08-22 19:30:51
Local clock offset: -0.416 ms
Remote clock offset: -64.793 ms

Below is generated by plot.py at 2018-08-22 22:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 30.173 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.68 Mbit/s
95th percentile per-packet one-way delay: 28.194 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 36.572 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 27.447 ms
Loss rate: 0.28%

Run 2: Report of TCP Vegas — Data Link

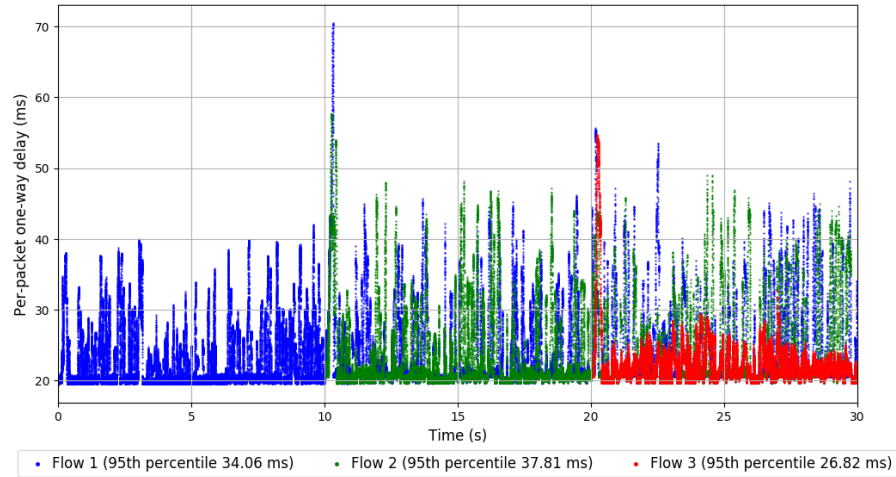
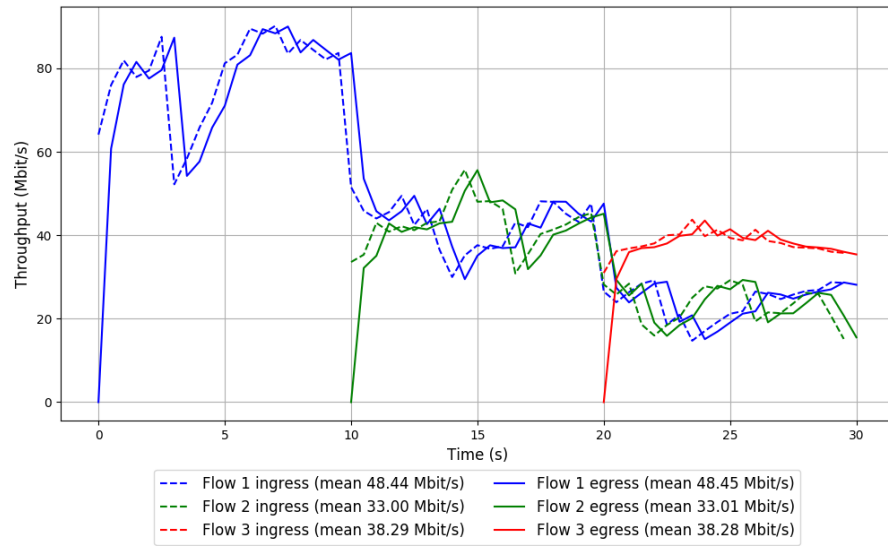


Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 19:50:05
End at: 2018-08-22 19:50:35
Local clock offset: 1.229 ms
Remote clock offset: -64.689 ms

Below is generated by plot.py at 2018-08-22 22:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 34.538 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 34.063 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 37.809 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 26.817 ms
Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link

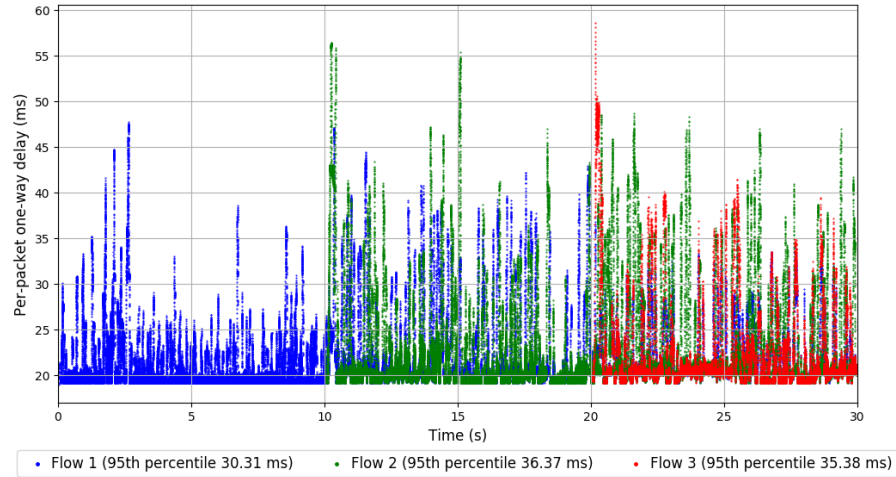
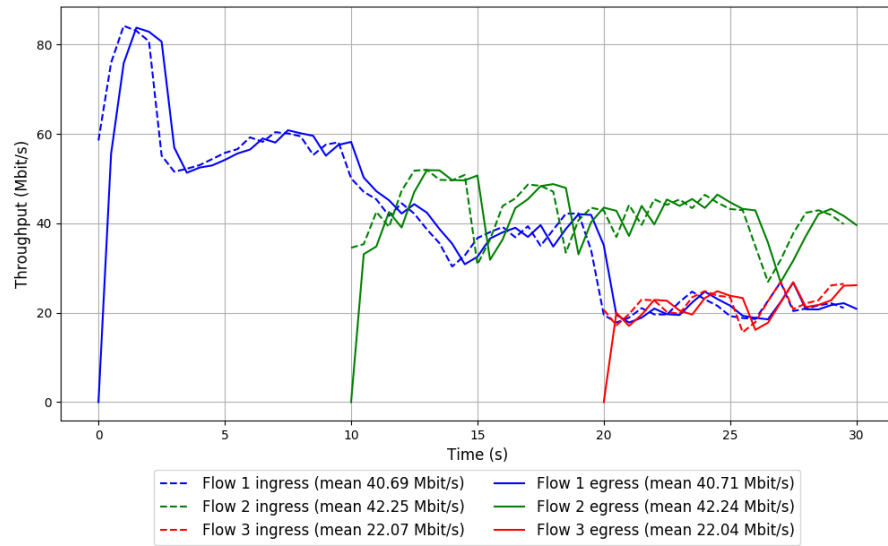


Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 20:10:10
End at: 2018-08-22 20:10:40
Local clock offset: 0.381 ms
Remote clock offset: -63.783 ms

Below is generated by plot.py at 2018-08-22 22:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.16 Mbit/s
95th percentile per-packet one-way delay: 33.333 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 30.308 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 42.24 Mbit/s
95th percentile per-packet one-way delay: 36.370 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 22.04 Mbit/s
95th percentile per-packet one-way delay: 35.385 ms
Loss rate: 0.37%

Run 4: Report of TCP Vegas — Data Link

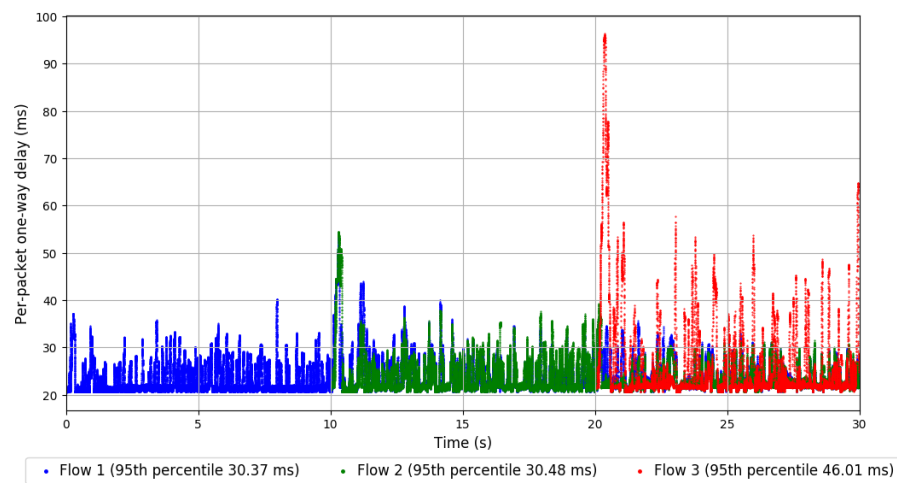
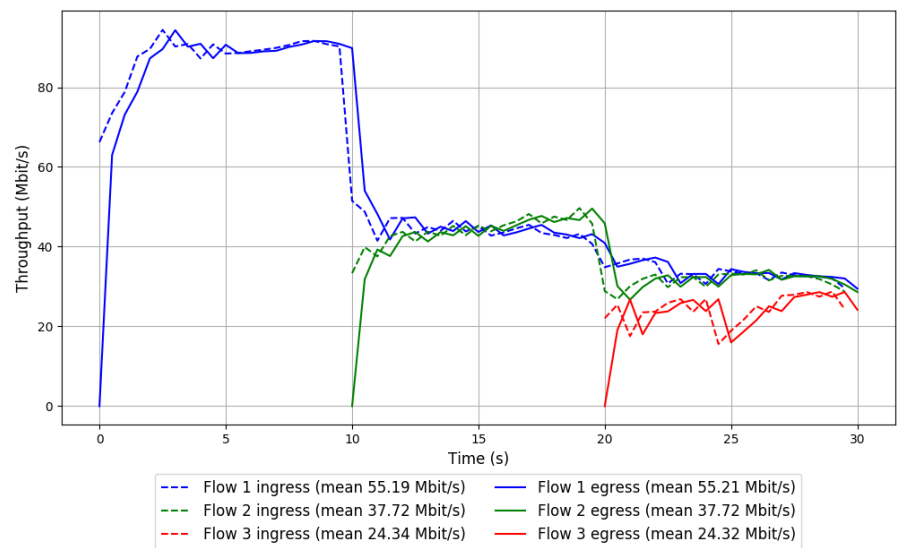


Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 20:30:02
End at: 2018-08-22 20:30:32
Local clock offset: 2.516 ms
Remote clock offset: -63.724 ms

Below is generated by plot.py at 2018-08-22 22:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 31.469 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 30.372 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 30.479 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 46.006 ms
Loss rate: 0.36%

Run 5: Report of TCP Vegas — Data Link

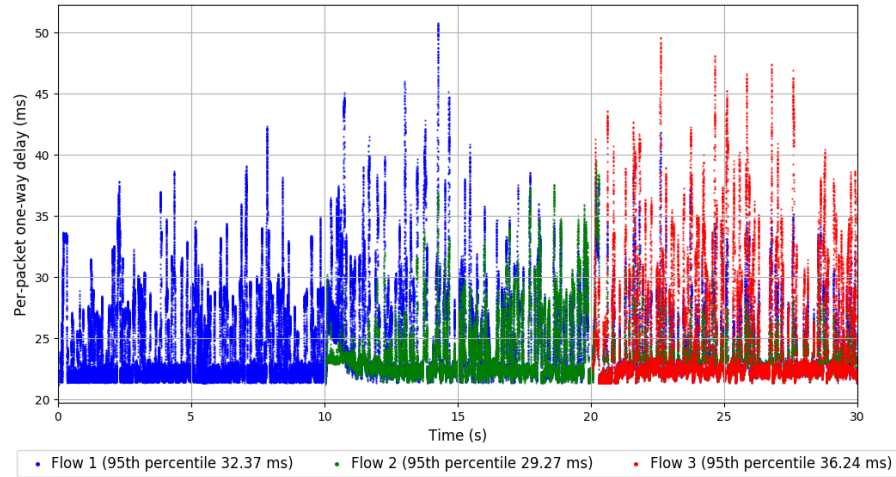
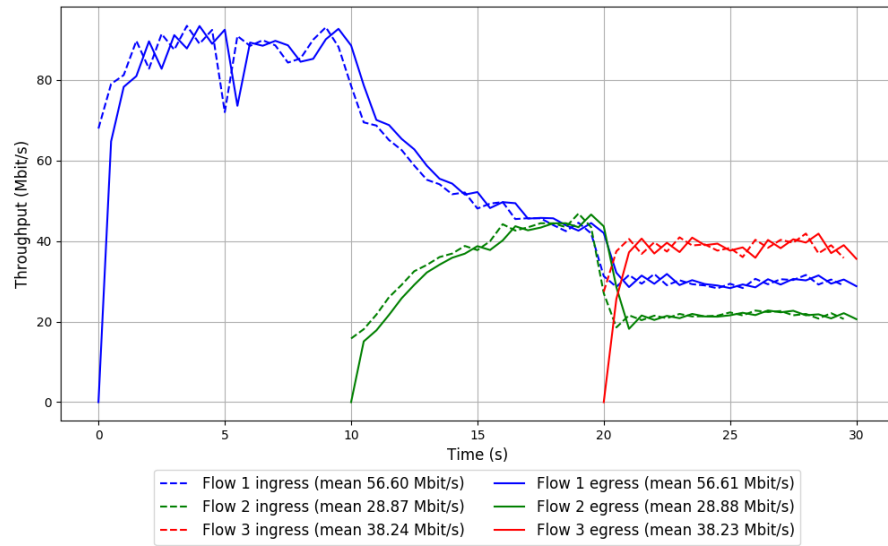


Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 20:49:55
End at: 2018-08-22 20:50:25
Local clock offset: 3.519 ms
Remote clock offset: -64.986 ms

Below is generated by plot.py at 2018-08-22 22:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: 32.559 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 32.373 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 29.265 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 36.245 ms
Loss rate: 0.27%

Run 6: Report of TCP Vegas — Data Link

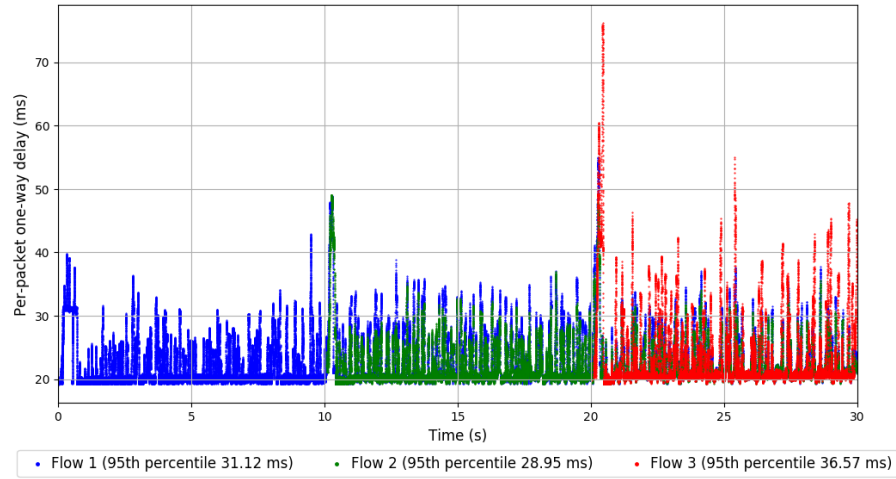
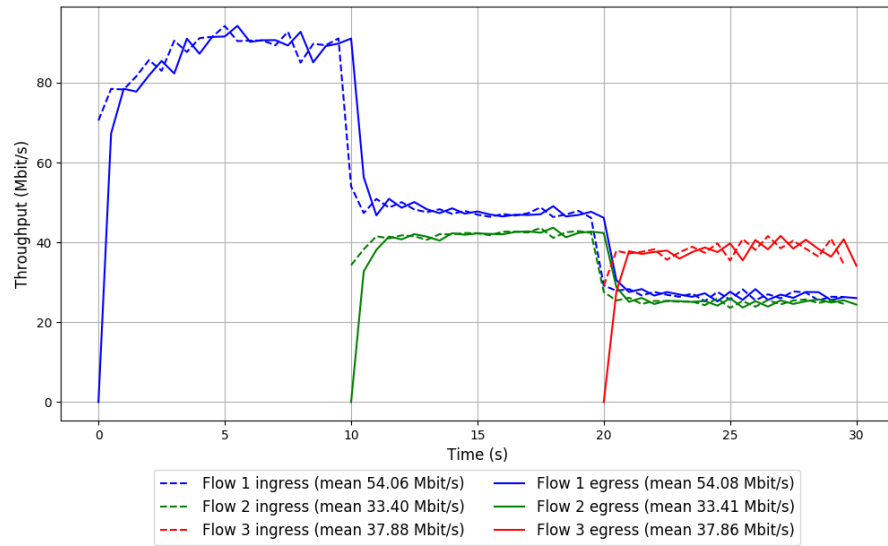


Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 21:10:11
End at: 2018-08-22 21:10:41
Local clock offset: 1.739 ms
Remote clock offset: -64.732 ms

Below is generated by plot.py at 2018-08-22 22:44:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.89 Mbit/s
95th percentile per-packet one-way delay: 31.165 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 54.08 Mbit/s
95th percentile per-packet one-way delay: 31.122 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 28.945 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 36.573 ms
Loss rate: 0.30%

Run 7: Report of TCP Vegas — Data Link

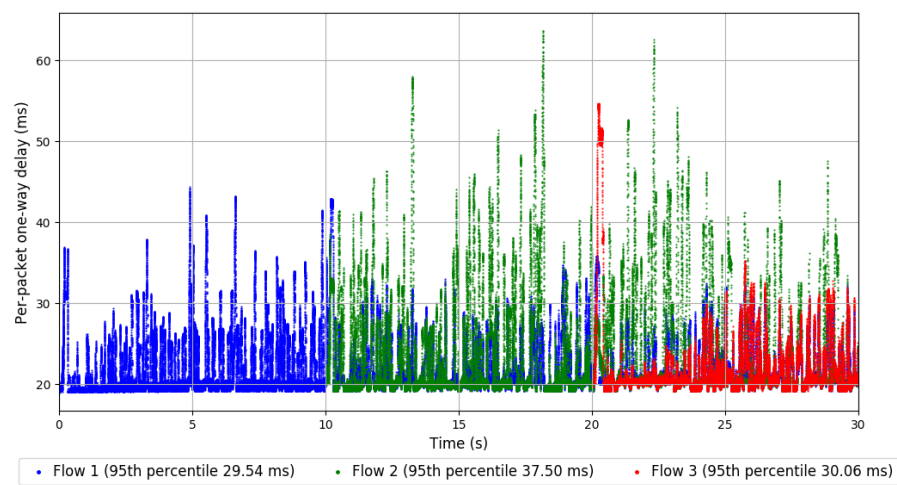
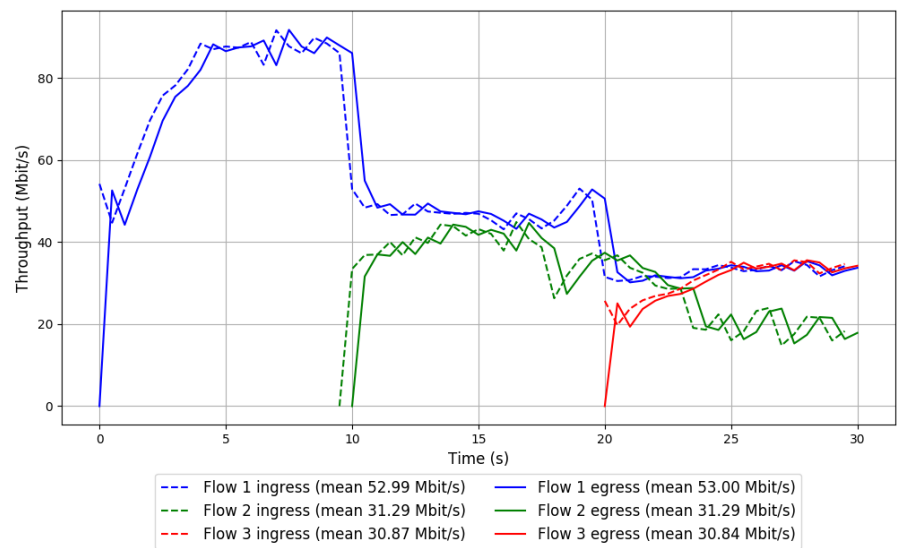


Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 21:30:21
End at: 2018-08-22 21:30:51
Local clock offset: 0.243 ms
Remote clock offset: -64.741 ms

Below is generated by plot.py at 2018-08-22 22:44:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 31.784 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 29.542 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 37.504 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 30.057 ms
Loss rate: 0.32%

Run 8: Report of TCP Vegas — Data Link

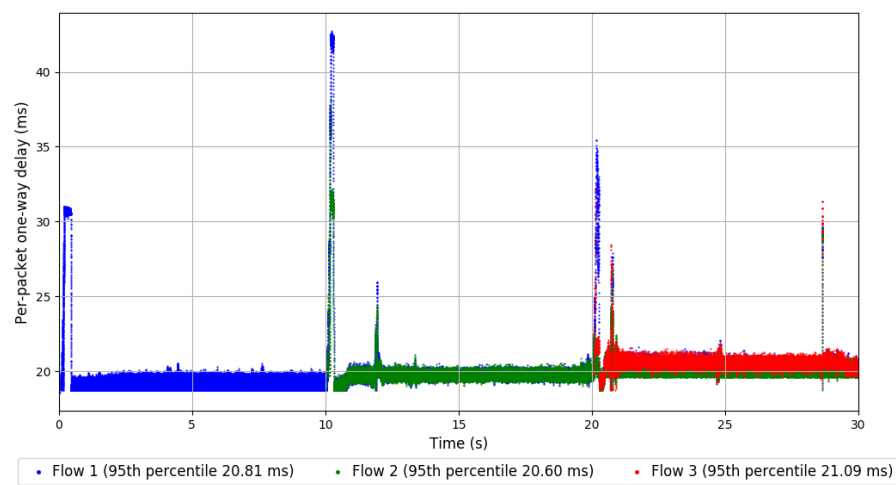
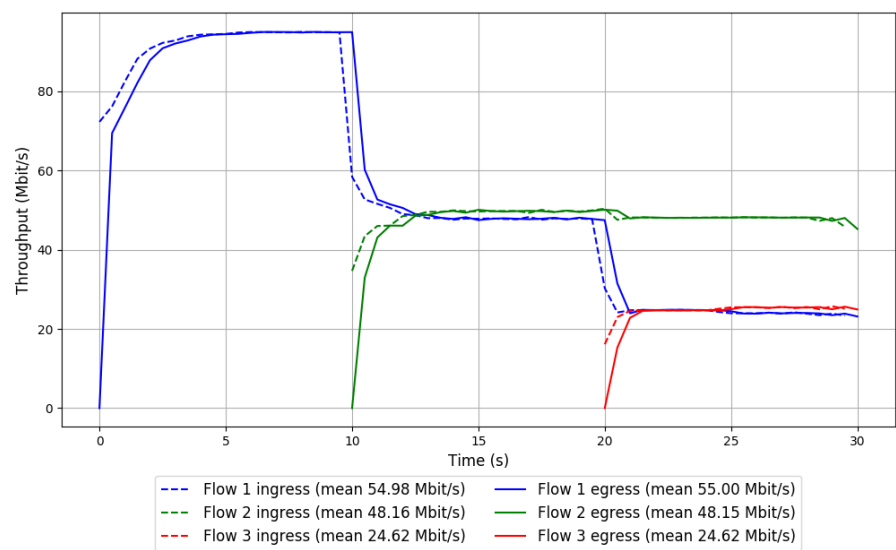


Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 21:50:35
End at: 2018-08-22 21:51:05
Local clock offset: 1.767 ms
Remote clock offset: -63.048 ms

Below is generated by plot.py at 2018-08-22 22:44:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 20.831 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 20.814 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.15 Mbit/s
95th percentile per-packet one-way delay: 20.601 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 21.092 ms
Loss rate: 0.26%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 22:10:41

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

Local clock offset: 1.596 ms

Remote clock offset: -62.6 ms

Below is generated by plot.py at 2018-08-22 22:44:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 22.021 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 22.063 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 21.279 ms

Loss rate: 0.12%

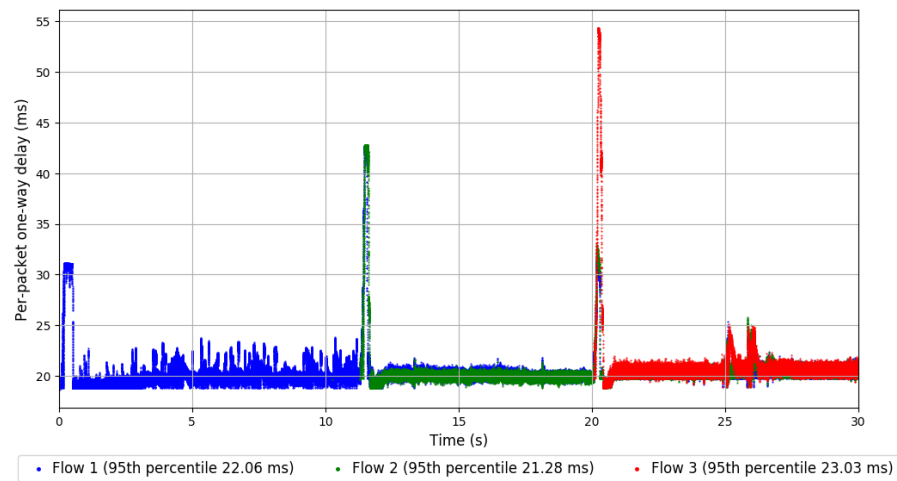
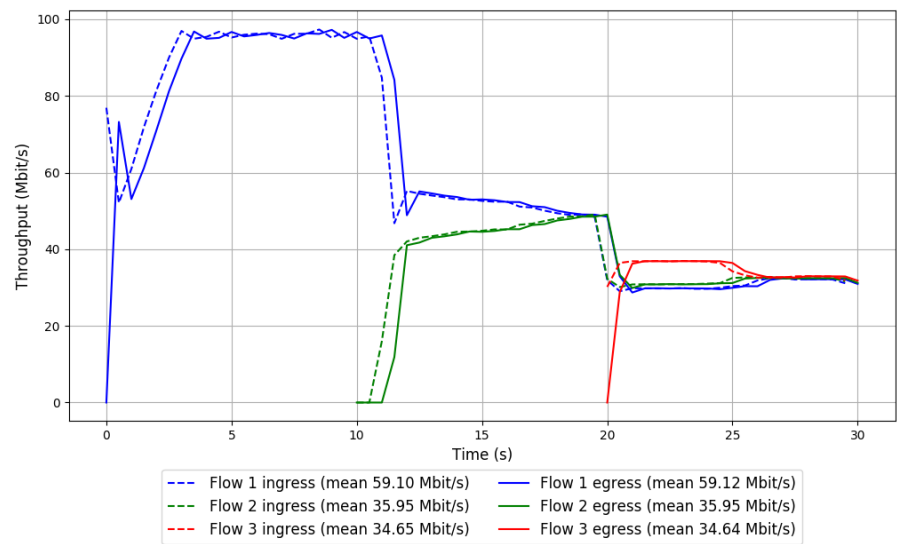
-- Flow 3:

Average throughput: 34.64 Mbit/s

95th percentile per-packet one-way delay: 23.029 ms

Loss rate: 0.22%

Run 10: Report of TCP Vegas — Data Link

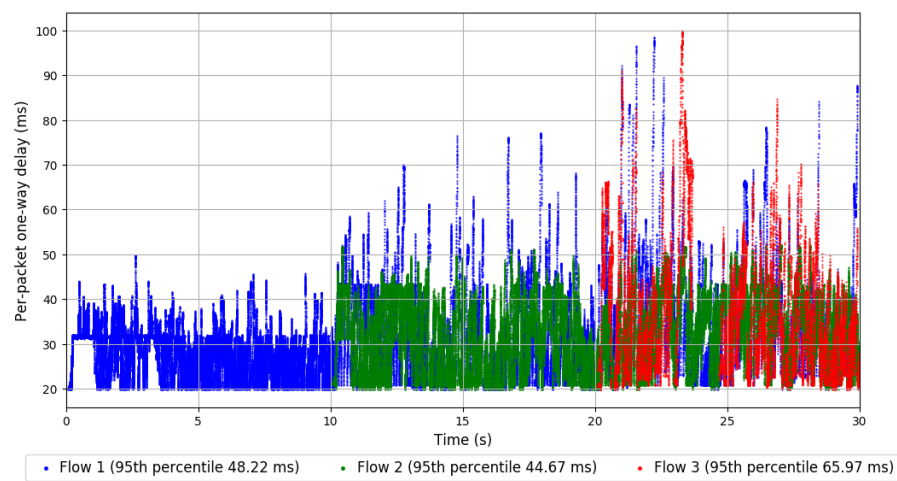
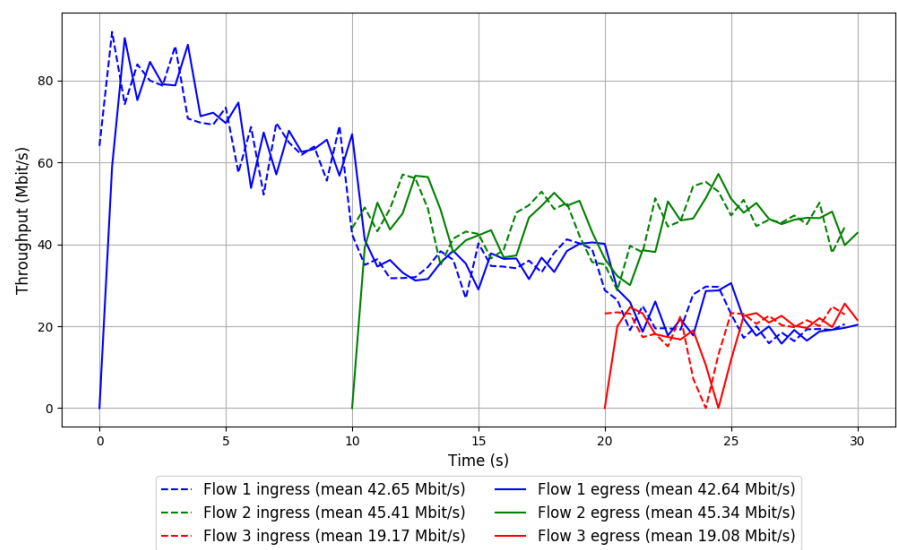


Run 1: Statistics of Verus

Start at: 2018-08-22 19:13:36
End at: 2018-08-22 19:14:06
Local clock offset: 1.613 ms
Remote clock offset: -64.169 ms

Below is generated by plot.py at 2018-08-22 22:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 48.175 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 48.221 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 44.670 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 65.968 ms
Loss rate: 0.68%

Run 1: Report of Verus — Data Link

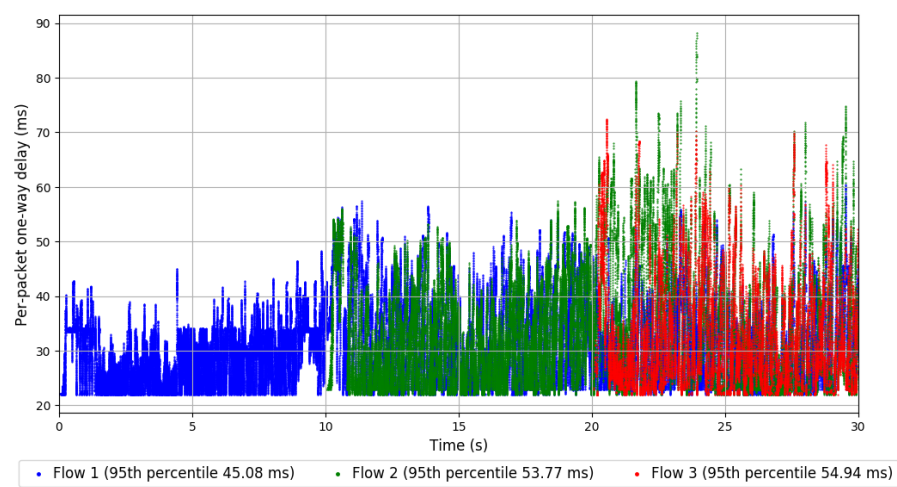
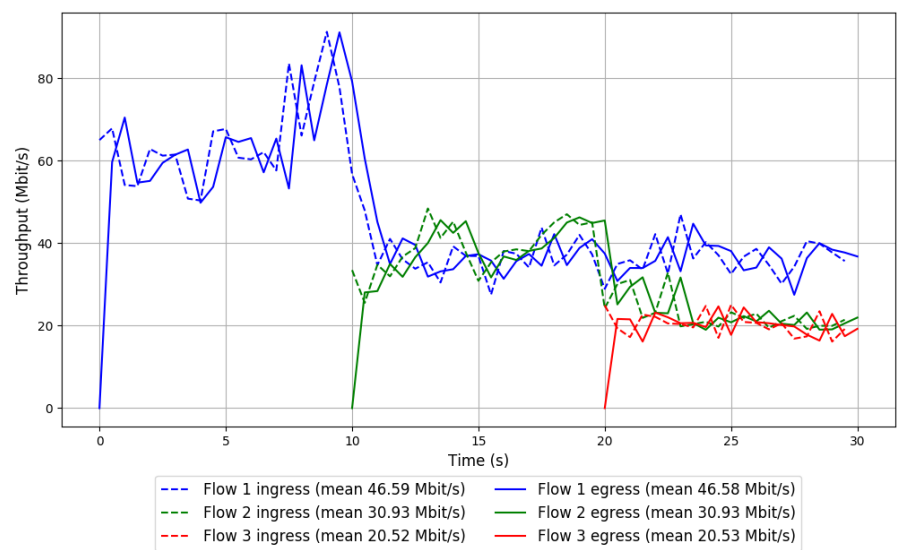


Run 2: Statistics of Verus

Start at: 2018-08-22 19:33:50
End at: 2018-08-22 19:34:20
Local clock offset: 2.758 ms
Remote clock offset: -65.751 ms

Below is generated by plot.py at 2018-08-22 22:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 49.083 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 45.081 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 53.768 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 54.943 ms
Loss rate: 0.16%

Run 2: Report of Verus — Data Link

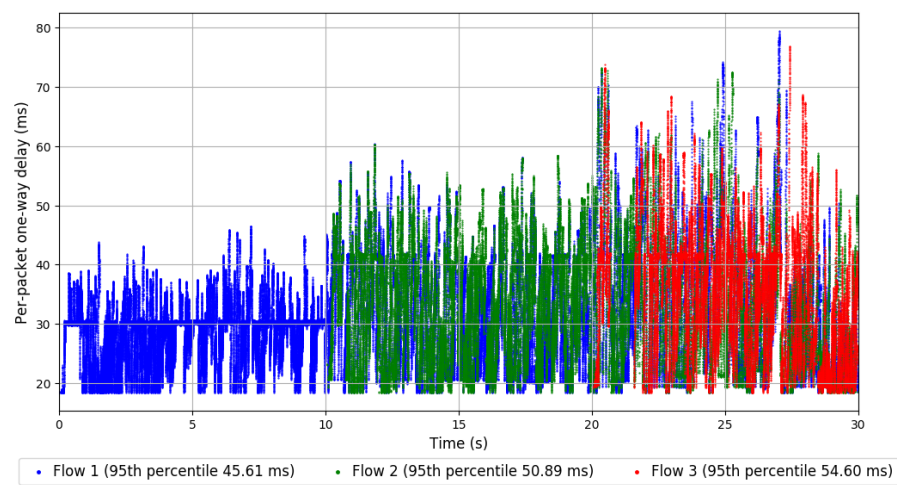
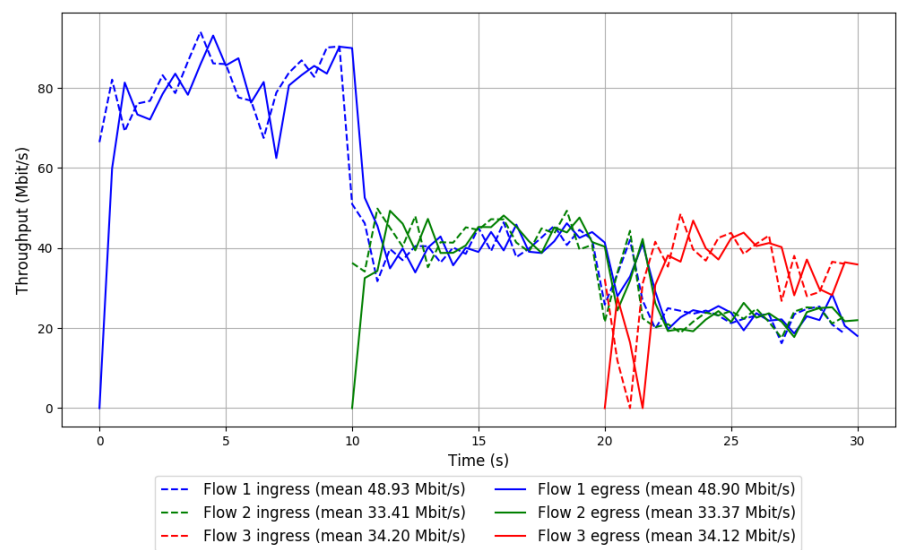


Run 3: Statistics of Verus

Start at: 2018-08-22 19:53:37
End at: 2018-08-22 19:54:07
Local clock offset: -0.2 ms
Remote clock offset: -64.616 ms

Below is generated by plot.py at 2018-08-22 22:44:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 49.075 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 45.613 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 50.893 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 54.599 ms
Loss rate: 0.49%

Run 3: Report of Verus — Data Link

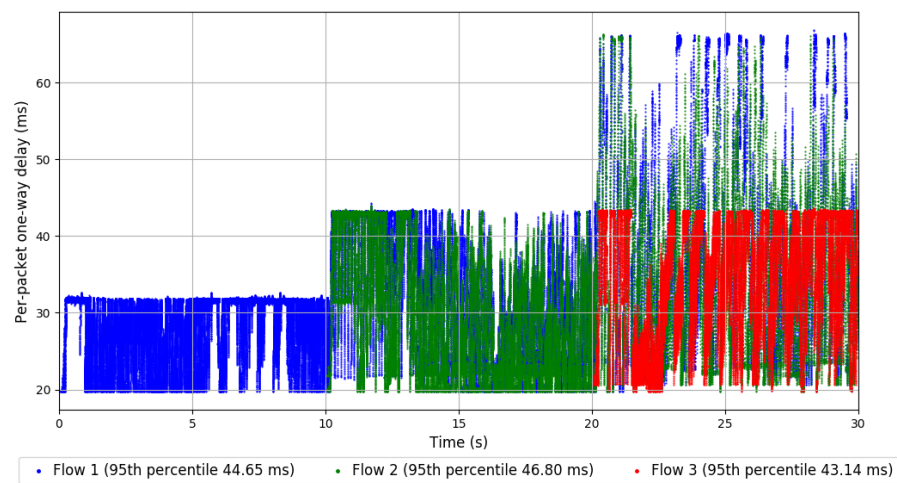
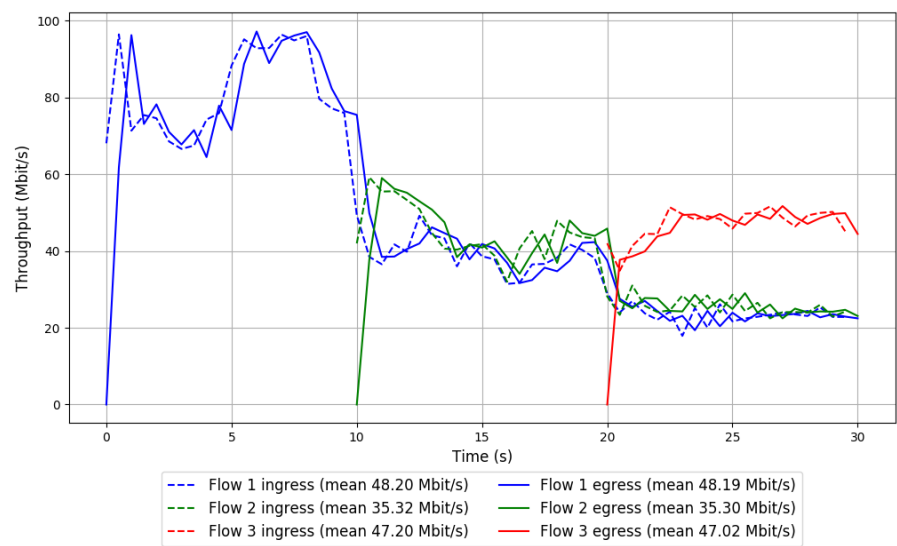


Run 4: Statistics of Verus

Start at: 2018-08-22 20:13:40
End at: 2018-08-22 20:14:10
Local clock offset: 1.756 ms
Remote clock offset: -62.884 ms

```
# Below is generated by plot.py at 2018-08-22 22:45:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 43.597 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 44.646 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 46.798 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 43.140 ms
Loss rate: 0.65%
```


Run 4: Report of Verus — Data Link

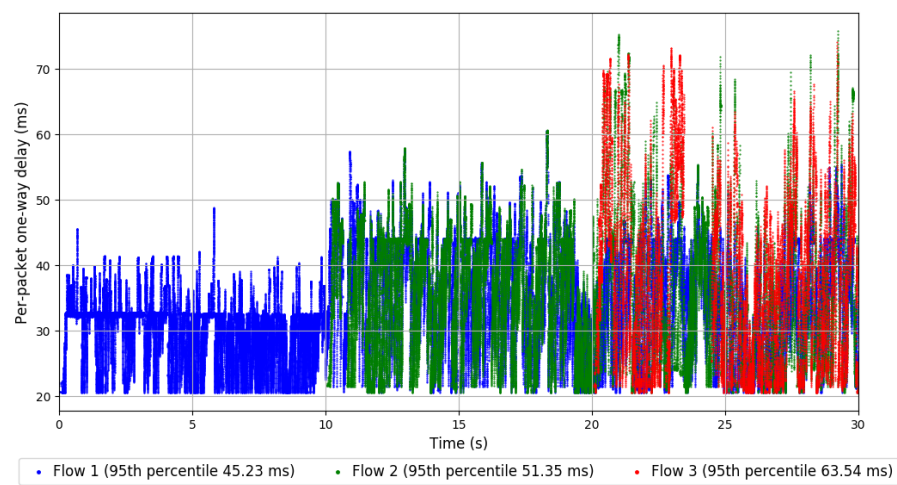
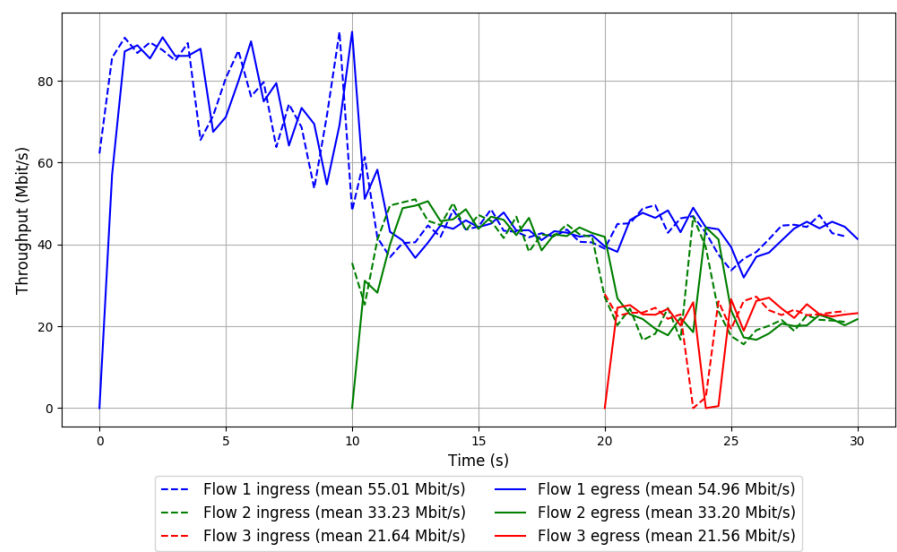


Run 5: Statistics of Verus

Start at: 2018-08-22 20:33:33
End at: 2018-08-22 20:34:03
Local clock offset: 2.19 ms
Remote clock offset: -64.187 ms

Below is generated by plot.py at 2018-08-22 22:45:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 49.224 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 45.232 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 51.352 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 21.56 Mbit/s
95th percentile per-packet one-way delay: 63.538 ms
Loss rate: 0.70%

Run 5: Report of Verus — Data Link

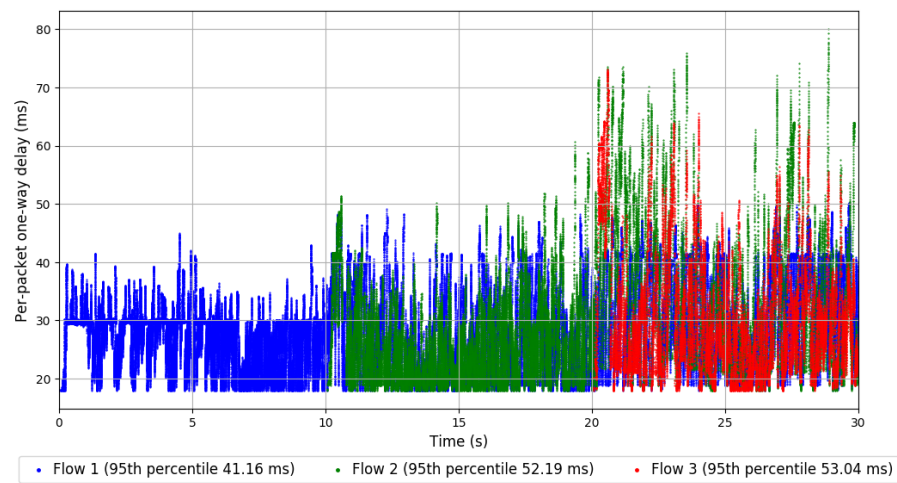
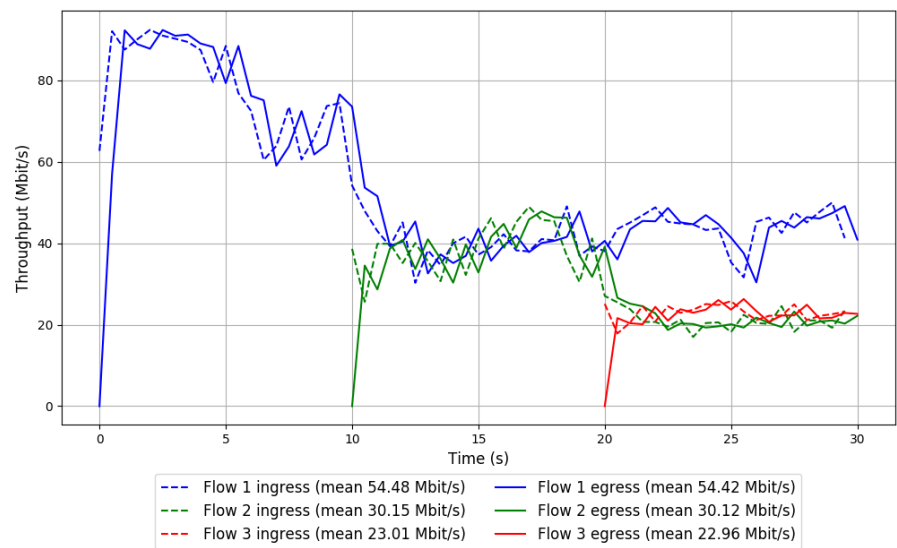


Run 6: Statistics of Verus

Start at: 2018-08-22 20:53:27
End at: 2018-08-22 20:53:57
Local clock offset: 1.139 ms
Remote clock offset: -64.11 ms

Below is generated by plot.py at 2018-08-22 22:45:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 43.581 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 41.160 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 52.188 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 53.036 ms
Loss rate: 0.48%

Run 6: Report of Verus — Data Link

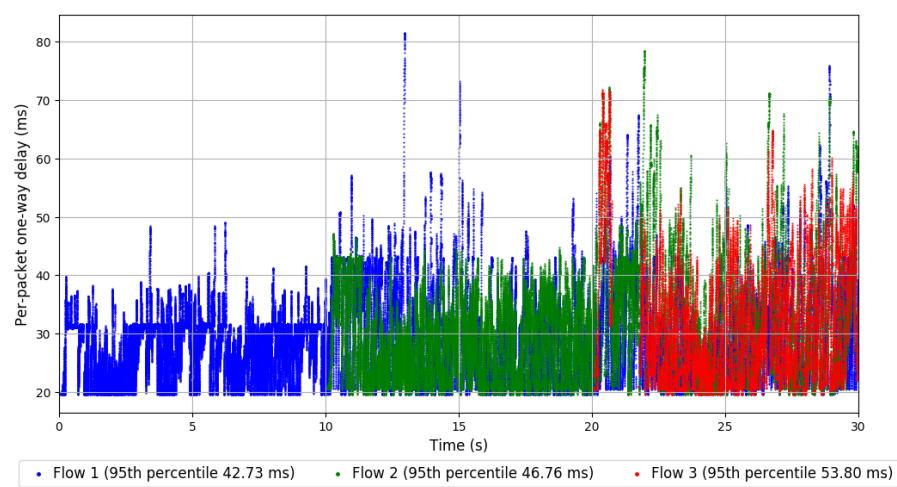
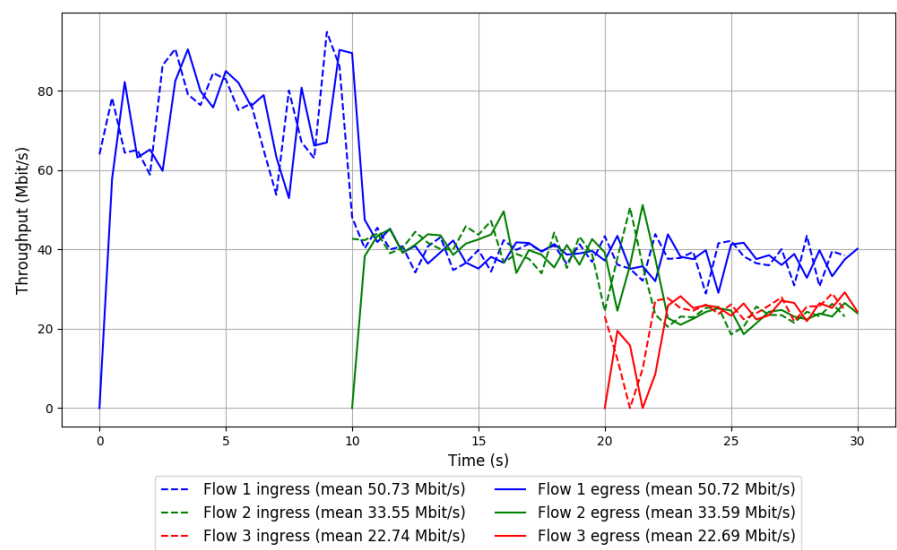


Run 7: Statistics of Verus

Start at: 2018-08-22 21:13:48
End at: 2018-08-22 21:14:18
Local clock offset: 2.03 ms
Remote clock offset: -64.397 ms

Below is generated by plot.py at 2018-08-22 22:45:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 44.397 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 42.727 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.59 Mbit/s
95th percentile per-packet one-way delay: 46.757 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 53.802 ms
Loss rate: 0.45%

Run 7: Report of Verus — Data Link

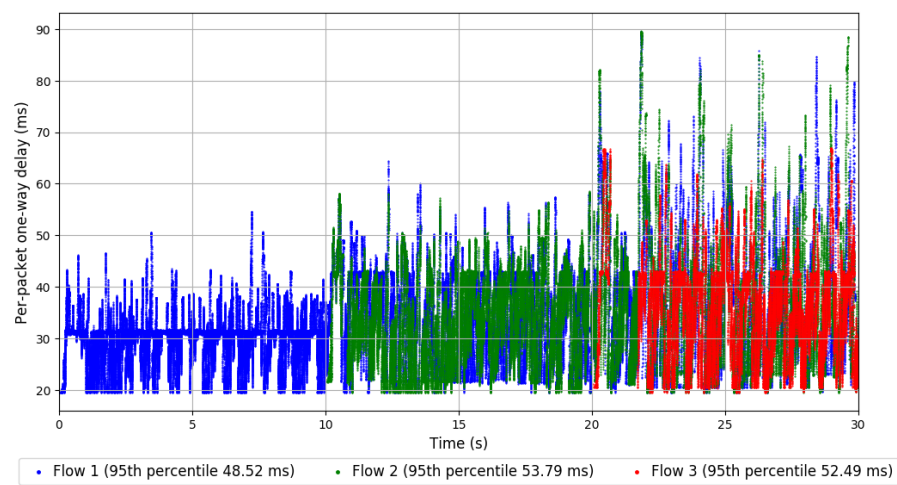
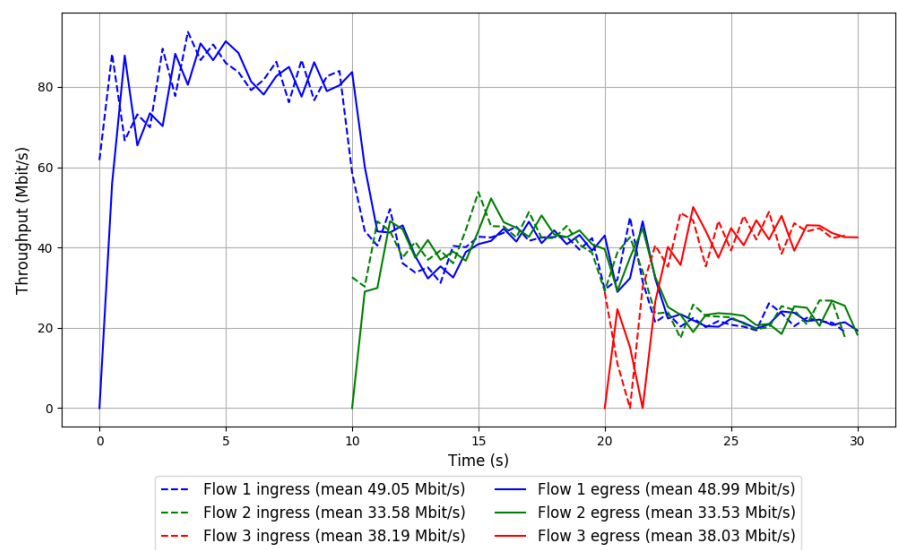


Run 8: Statistics of Verus

Start at: 2018-08-22 21:33:54
End at: 2018-08-22 21:34:24
Local clock offset: 1.01 ms
Remote clock offset: -63.89 ms

Below is generated by plot.py at 2018-08-22 22:45:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.91 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 48.517 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 53.793 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 52.487 ms
Loss rate: 0.66%

Run 8: Report of Verus — Data Link

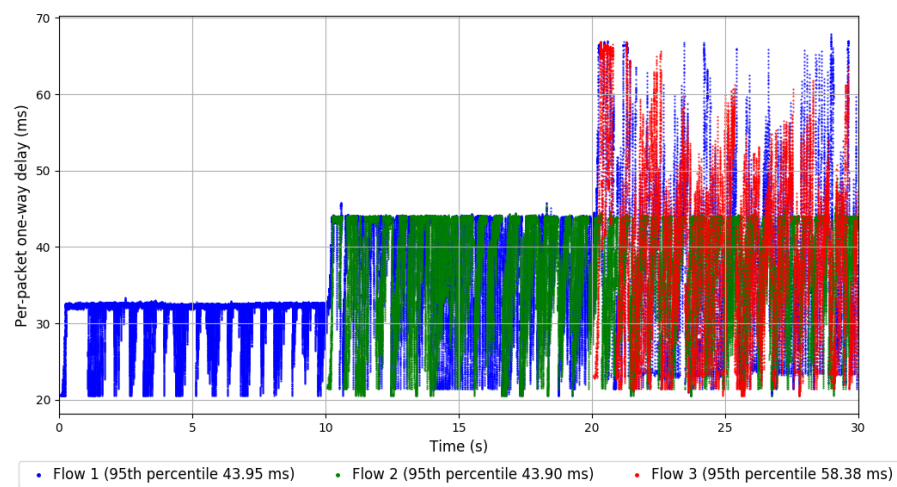
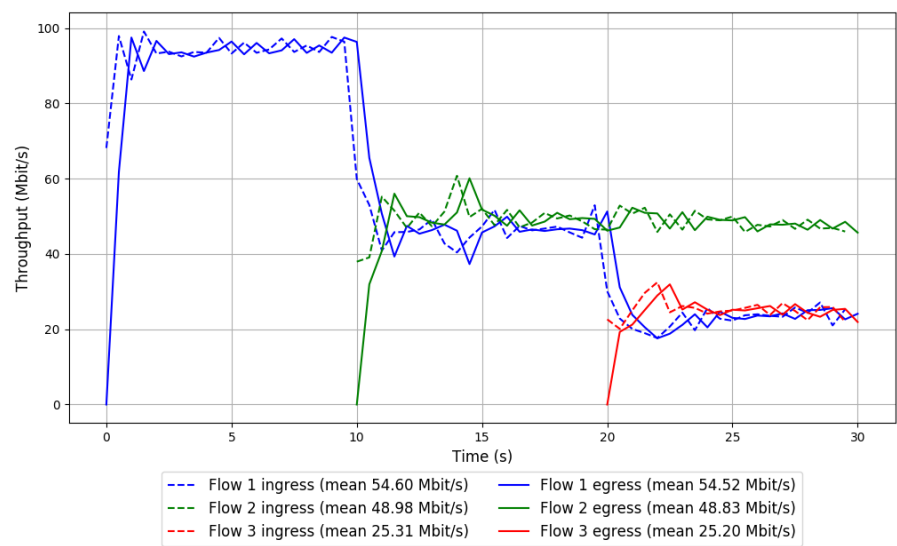


Run 9: Statistics of Verus

Start at: 2018-08-22 21:54:08
End at: 2018-08-22 21:54:38
Local clock offset: 3.499 ms
Remote clock offset: -63.184 ms

Below is generated by plot.py at 2018-08-22 22:45:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 44.937 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 43.947 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 43.900 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 58.378 ms
Loss rate: 0.67%

Run 9: Report of Verus — Data Link

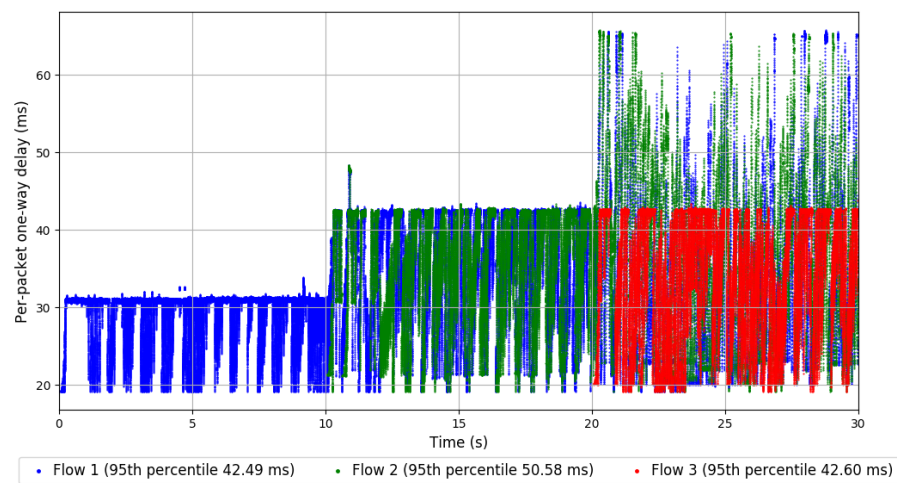
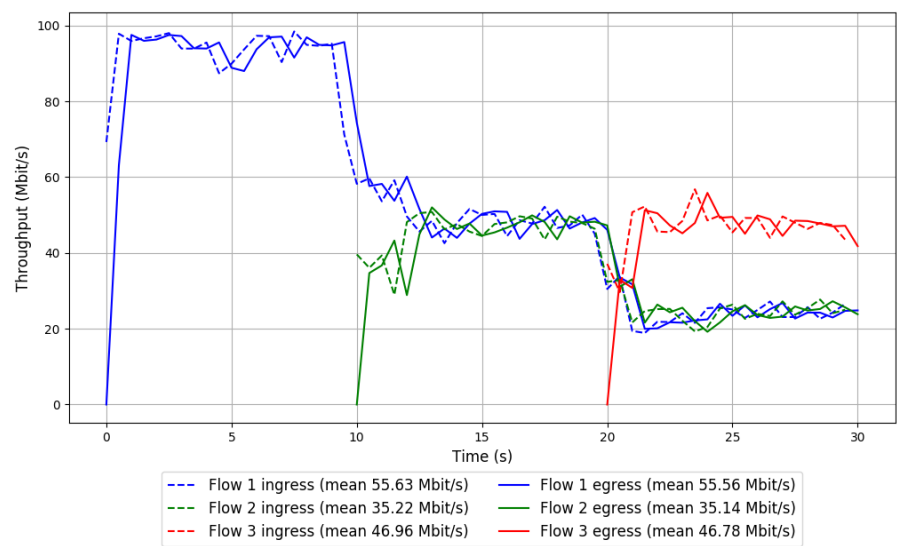


Run 10: Statistics of Verus

Start at: 2018-08-22 22:14:13
End at: 2018-08-22 22:14:43
Local clock offset: 2.171 ms
Remote clock offset: -62.071 ms

Below is generated by plot.py at 2018-08-22 22:45:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 42.717 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 42.491 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 42.601 ms
Loss rate: 0.62%

Run 10: Report of Verus — Data Link

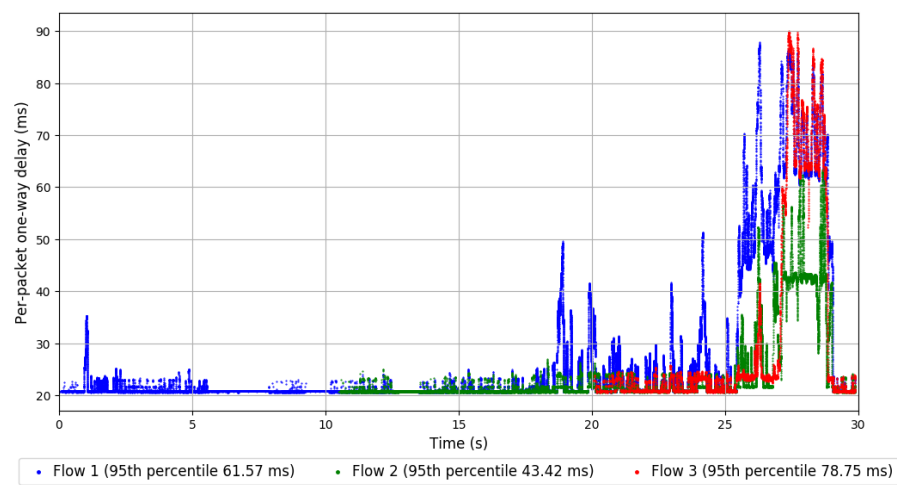
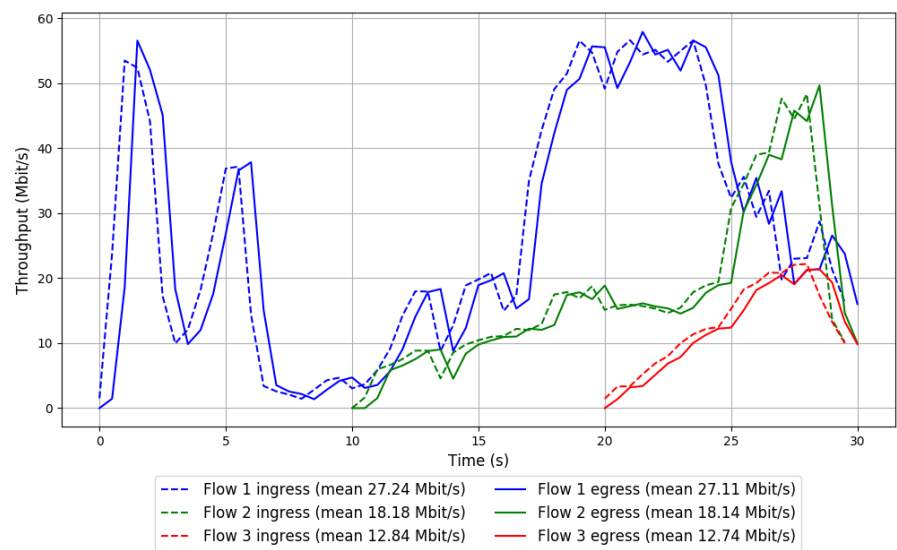


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 19:18:34
End at: 2018-08-22 19:19:04
Local clock offset: 2.781 ms
Remote clock offset: -64.246 ms

Below is generated by plot.py at 2018-08-22 22:45:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.09 Mbit/s
95th percentile per-packet one-way delay: 62.611 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 27.11 Mbit/s
95th percentile per-packet one-way delay: 61.574 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 18.14 Mbit/s
95th percentile per-packet one-way delay: 43.423 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 78.746 ms
Loss rate: 1.08%

Run 1: Report of PCC-Vivace — Data Link

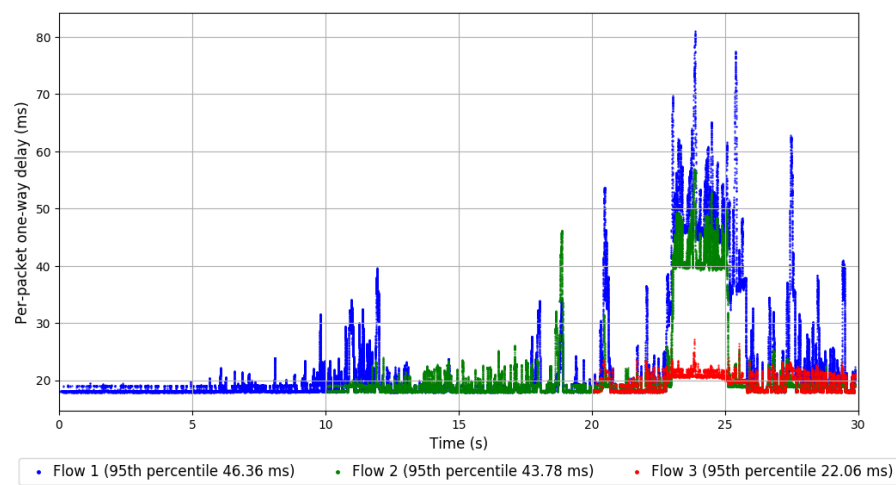
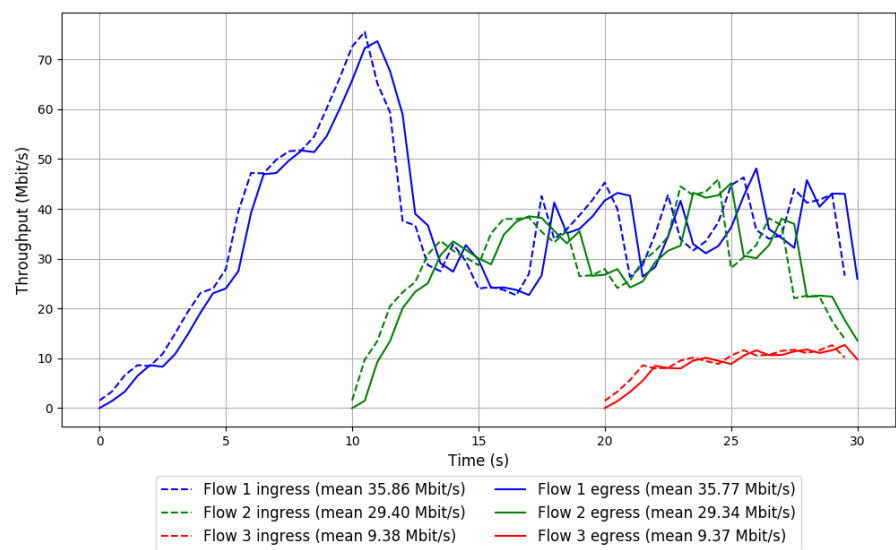


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 19:38:34
End at: 2018-08-22 19:39:04
Local clock offset: -0.44 ms
Remote clock offset: -65.245 ms

Below is generated by plot.py at 2018-08-22 22:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.37 Mbit/s
95th percentile per-packet one-way delay: 45.346 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 46.361 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 43.785 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 22.064 ms
Loss rate: 0.42%

Run 2: Report of PCC-Vivace — Data Link

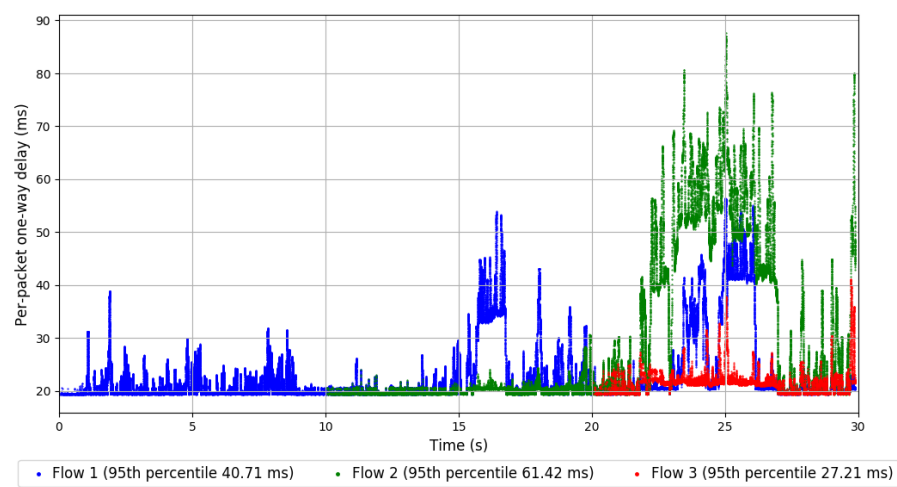
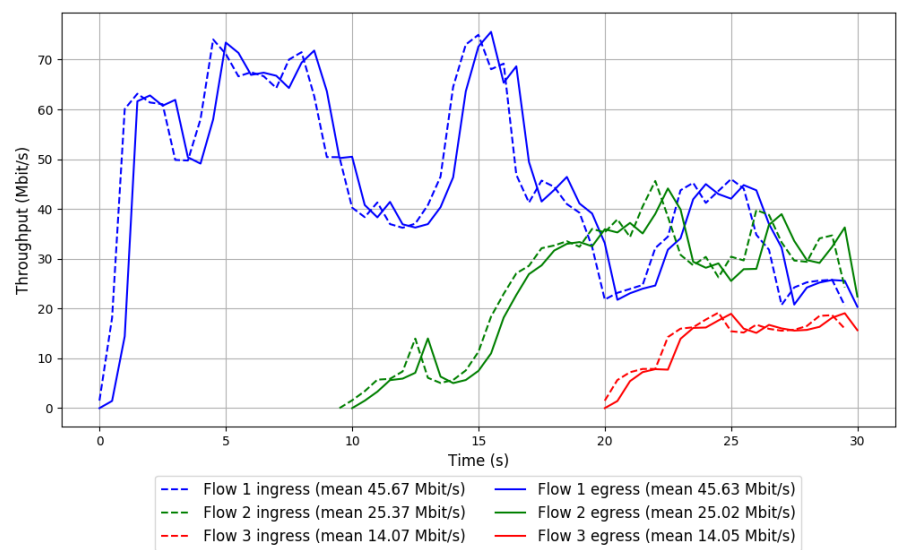


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 19:58:36
End at: 2018-08-22 19:59:06
Local clock offset: 1.581 ms
Remote clock offset: -63.527 ms

Below is generated by plot.py at 2018-08-22 22:46:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.91 Mbit/s
95th percentile per-packet one-way delay: 48.950 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 45.63 Mbit/s
95th percentile per-packet one-way delay: 40.710 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 61.418 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 14.05 Mbit/s
95th percentile per-packet one-way delay: 27.206 ms
Loss rate: 0.39%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 20:18:29

End at: 2018-08-22 20:18:59

Local clock offset: 0.188 ms

Remote clock offset: -63.4 ms

Below is generated by plot.py at 2018-08-22 22:46:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 23.813 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 54.85 Mbit/s

95th percentile per-packet one-way delay: 24.886 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.65 Mbit/s

95th percentile per-packet one-way delay: 22.479 ms

Loss rate: 0.16%

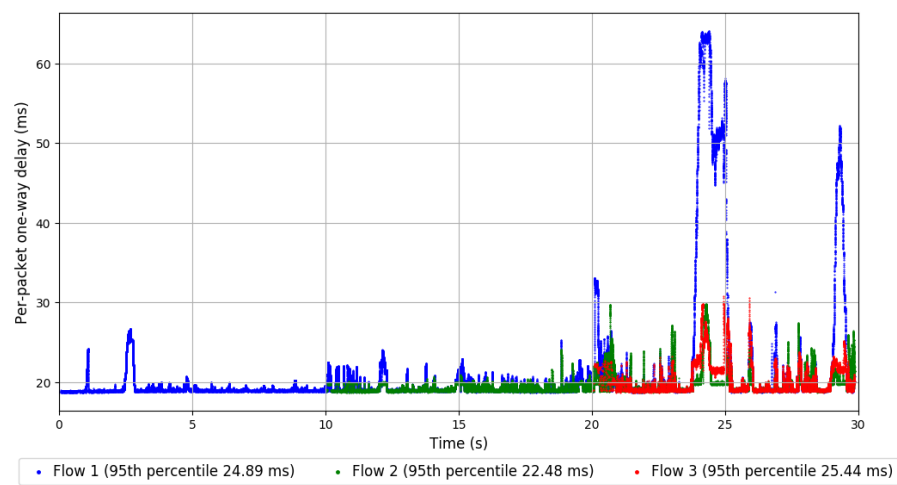
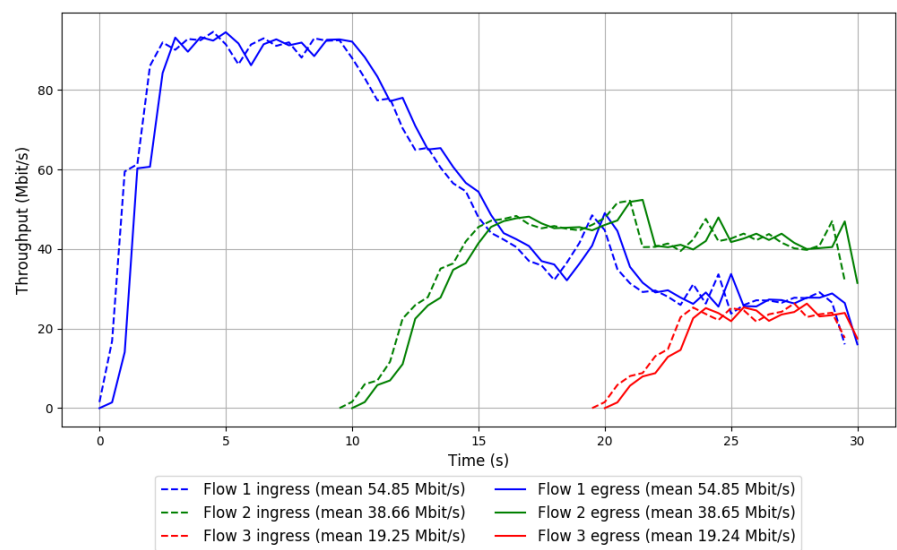
-- Flow 3:

Average throughput: 19.24 Mbit/s

95th percentile per-packet one-way delay: 25.436 ms

Loss rate: 0.33%

Run 4: Report of PCC-Vivace — Data Link

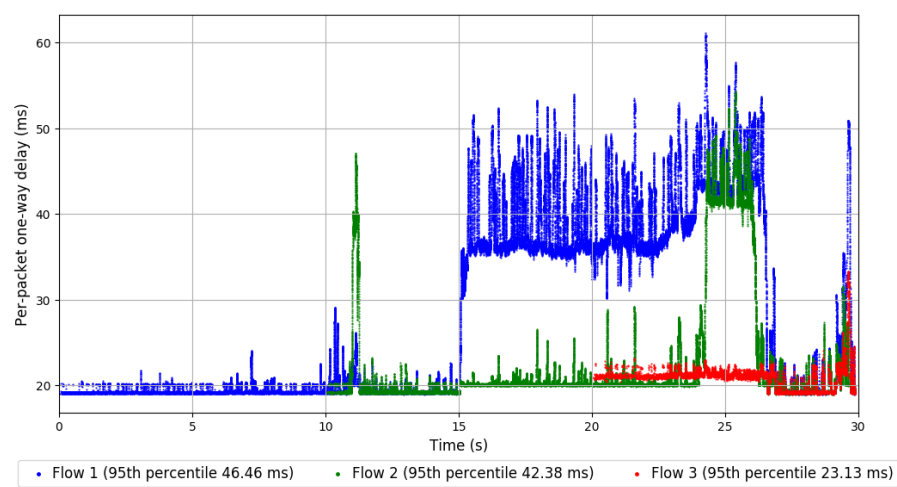
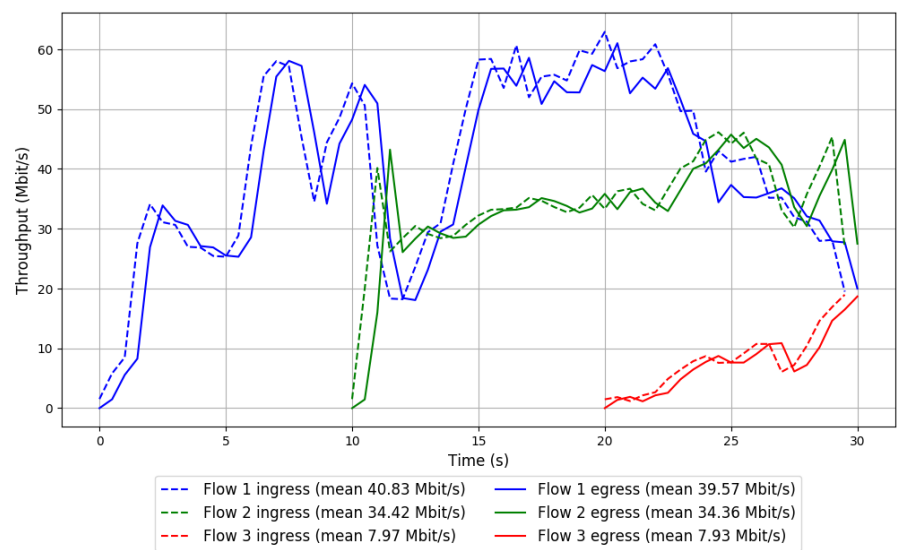


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 20:38:20
End at: 2018-08-22 20:38:50
Local clock offset: 1.464 ms
Remote clock offset: -63.884 ms

Below is generated by plot.py at 2018-08-22 22:46:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.03 Mbit/s
95th percentile per-packet one-way delay: 45.102 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 46.458 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 42.382 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 23.126 ms
Loss rate: 0.79%

Run 5: Report of PCC-Vivace — Data Link

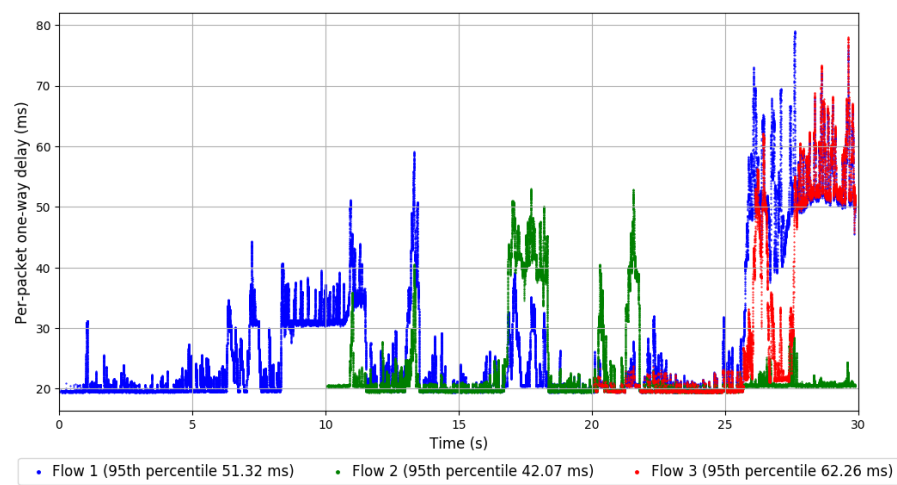
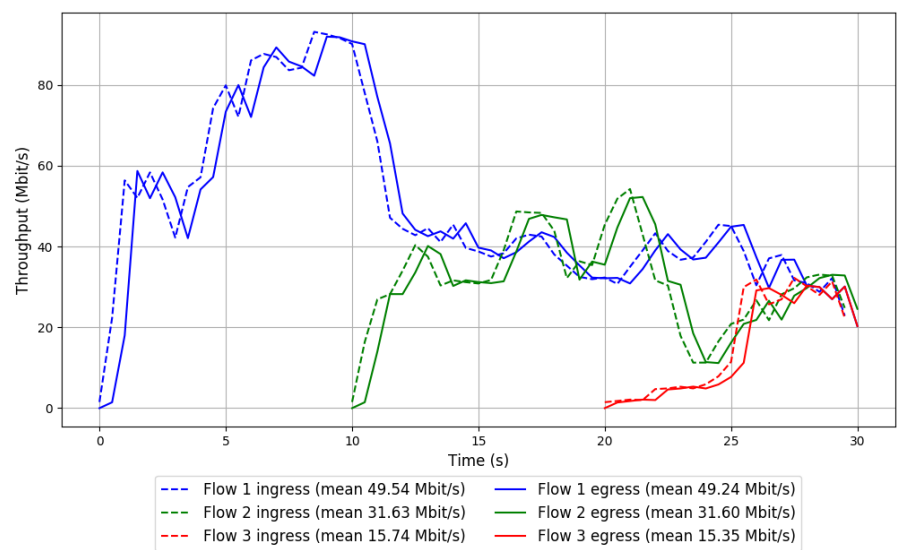


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 20:58:31
End at: 2018-08-22 20:59:01
Local clock offset: 2.76 ms
Remote clock offset: -64.33 ms

Below is generated by plot.py at 2018-08-22 22:46:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.31 Mbit/s
95th percentile per-packet one-way delay: 51.925 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 51.320 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 42.071 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 62.257 ms
Loss rate: 2.80%

Run 6: Report of PCC-Vivace — Data Link

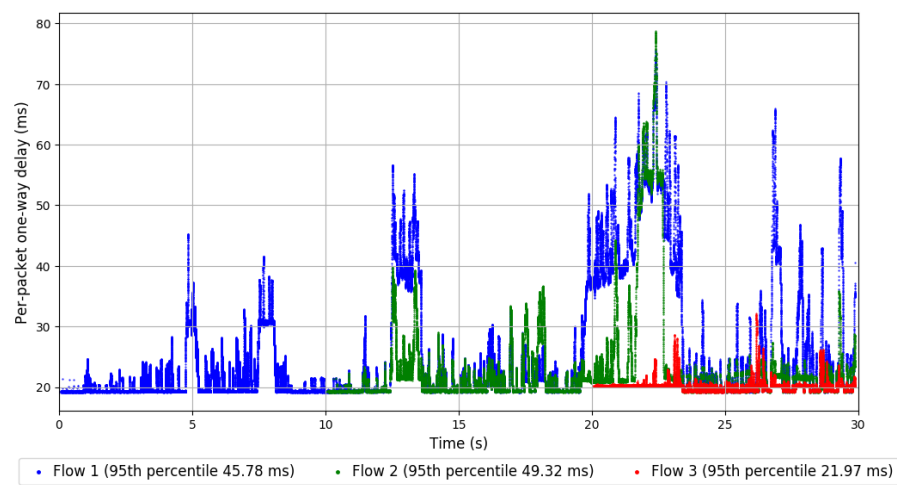
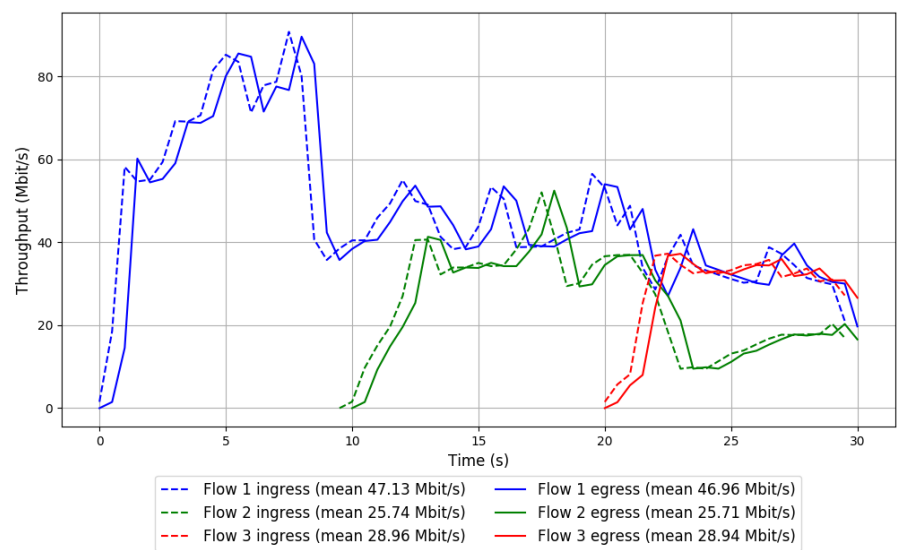


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 21:18:39
End at: 2018-08-22 21:19:09
Local clock offset: 1.163 ms
Remote clock offset: -64.65 ms

Below is generated by plot.py at 2018-08-22 22:46:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.61 Mbit/s
95th percentile per-packet one-way delay: 43.728 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 46.96 Mbit/s
95th percentile per-packet one-way delay: 45.780 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 49.322 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 21.968 ms
Loss rate: 0.33%

Run 7: Report of PCC-Vivace — Data Link

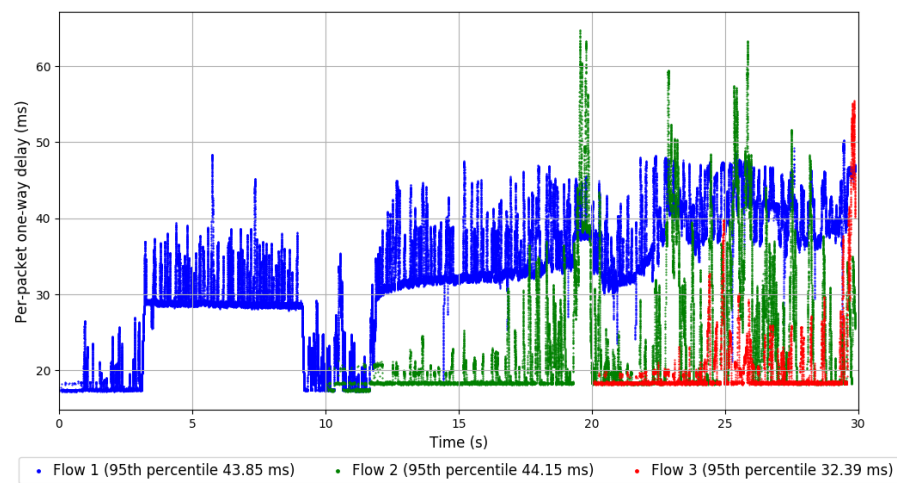
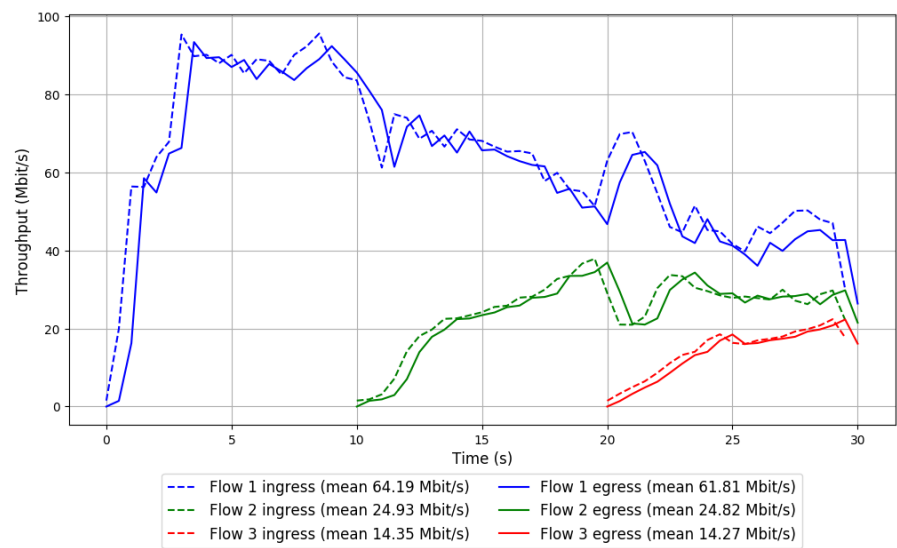


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 21:38:53
End at: 2018-08-22 21:39:23
Local clock offset: -0.702 ms
Remote clock offset: -63.512 ms

Below is generated by plot.py at 2018-08-22 22:46:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.02 Mbit/s
95th percentile per-packet one-way delay: 43.726 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 43.848 ms
Loss rate: 3.81%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 44.153 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 32.390 ms
Loss rate: 0.85%

Run 8: Report of PCC-Vivace — Data Link

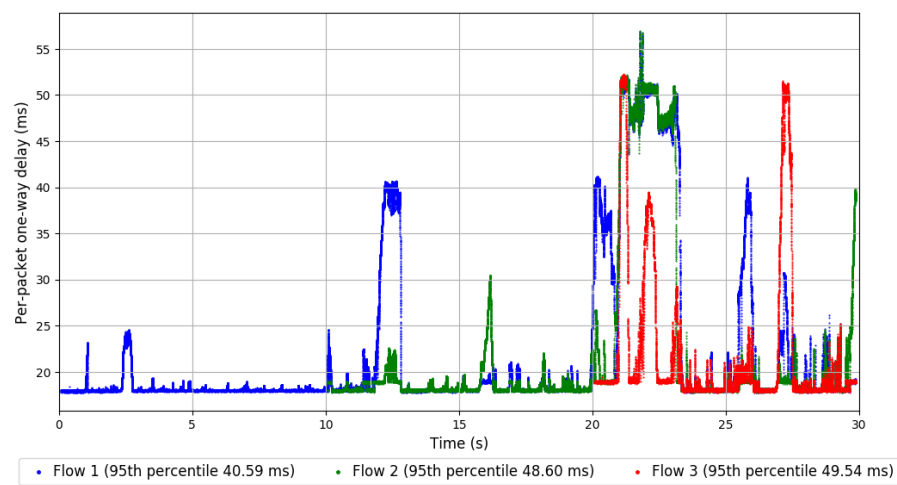
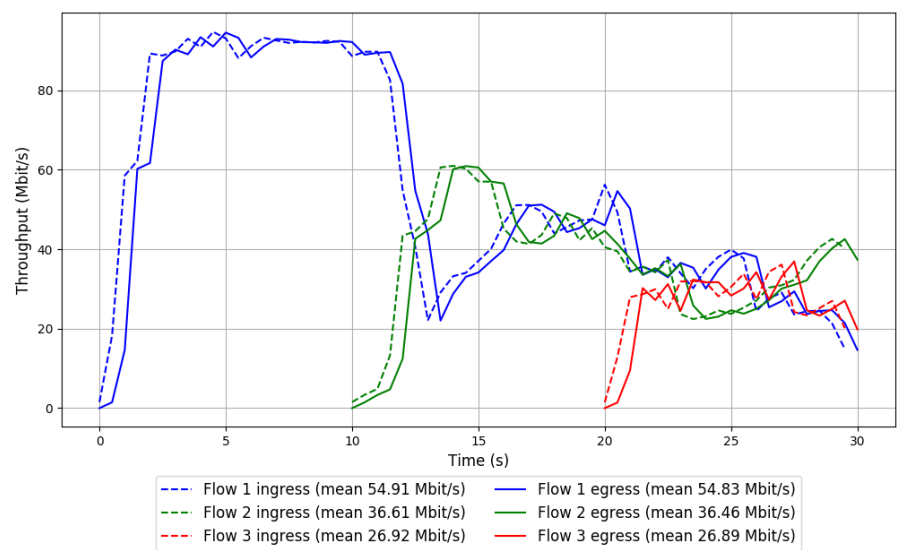


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 21:58:55
End at: 2018-08-22 21:59:25
Local clock offset: 0.974 ms
Remote clock offset: -63.167 ms

Below is generated by plot.py at 2018-08-22 22:46:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 47.192 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 40.593 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 48.599 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 49.542 ms
Loss rate: 0.35%

Run 9: Report of PCC-Vivace — Data Link

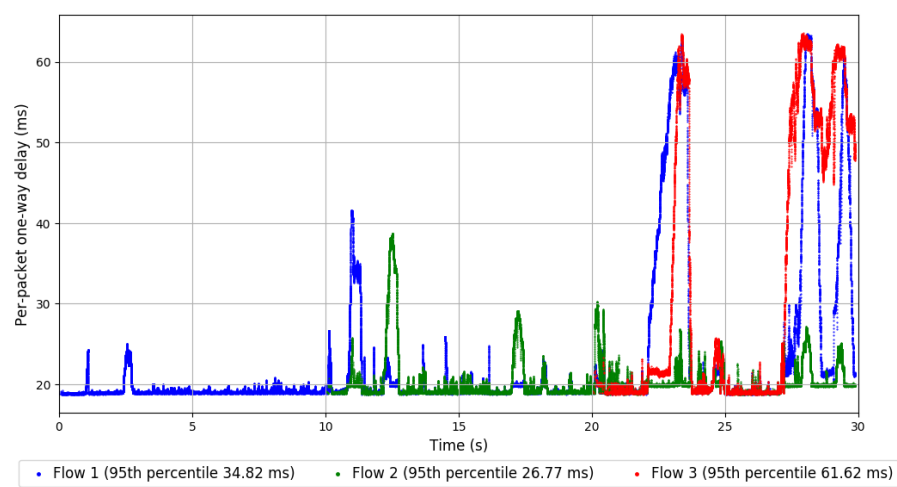
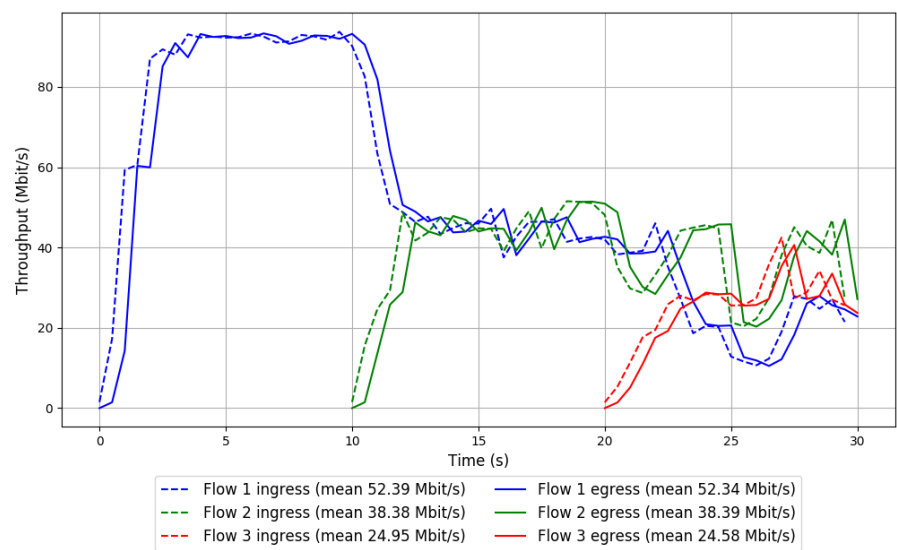


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 22:19:02
End at: 2018-08-22 22:19:32
Local clock offset: 2.648 ms
Remote clock offset: -61.188 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: 47.908 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 52.34 Mbit/s
95th percentile per-packet one-way delay: 34.822 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 26.767 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 61.625 ms
Loss rate: 1.76%

Run 10: Report of PCC-Vivace — Data Link

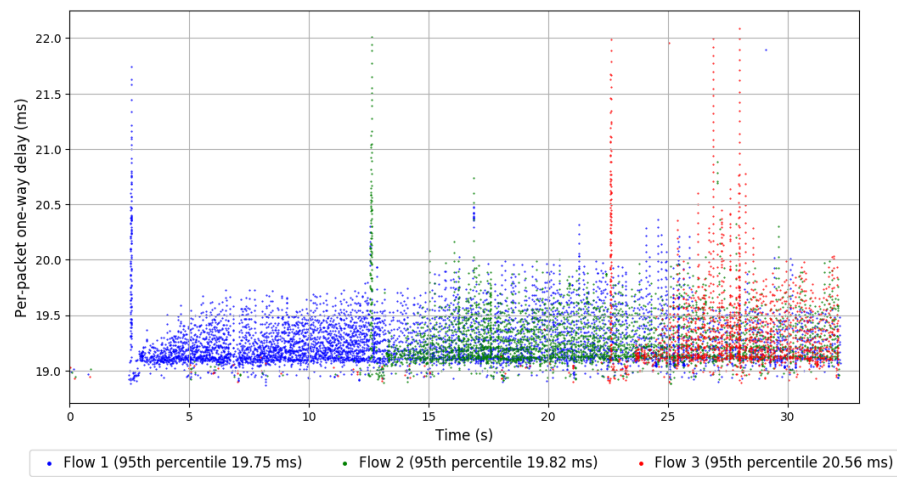
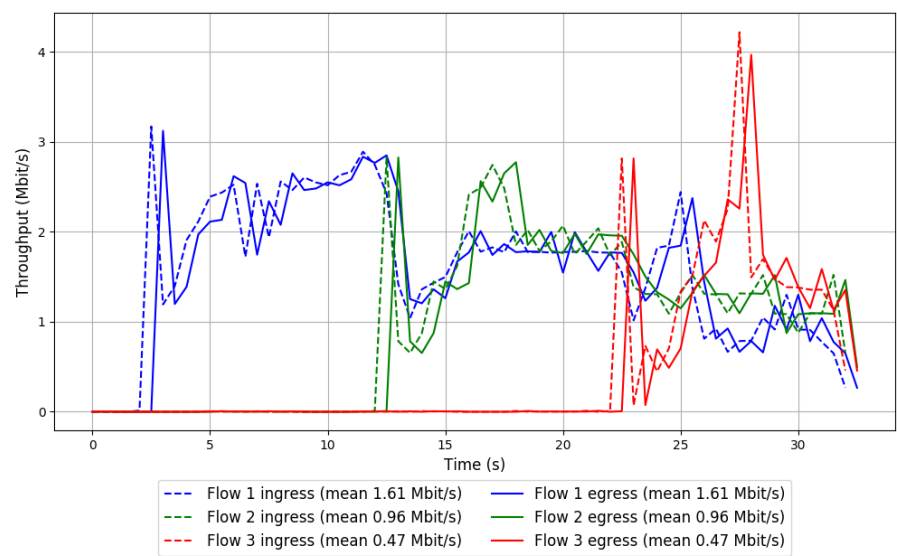


Run 1: Statistics of WebRTC media

Start at: 2018-08-22 19:00:02
End at: 2018-08-22 19:00:32
Local clock offset: 1.475 ms
Remote clock offset: -63.829 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 19.883 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 19.747 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 19.824 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 20.556 ms
Loss rate: 0.01%

Run 1: Report of WebRTC media — Data Link

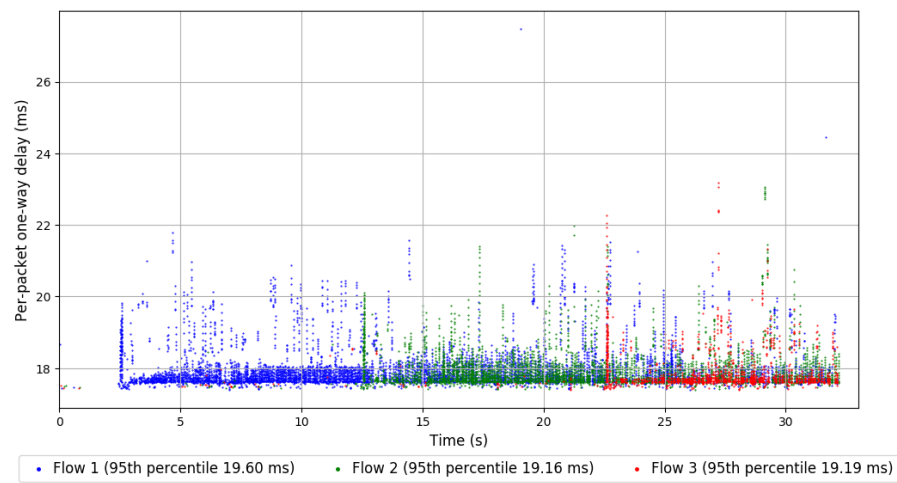
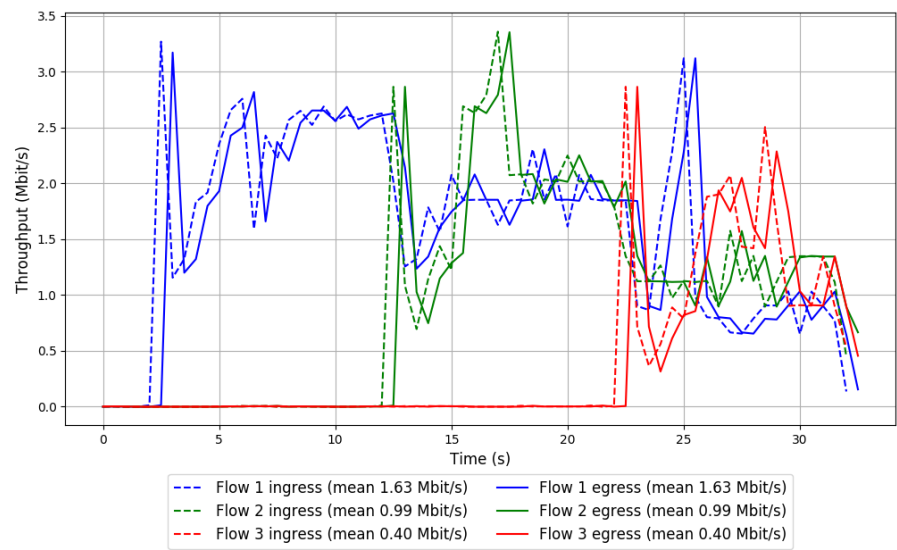


Run 2: Statistics of WebRTC media

Start at: 2018-08-22 19:20:53
End at: 2018-08-22 19:21:23
Local clock offset: -0.462 ms
Remote clock offset: -64.421 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 19.602 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.30%

Run 2: Report of WebRTC media — Data Link

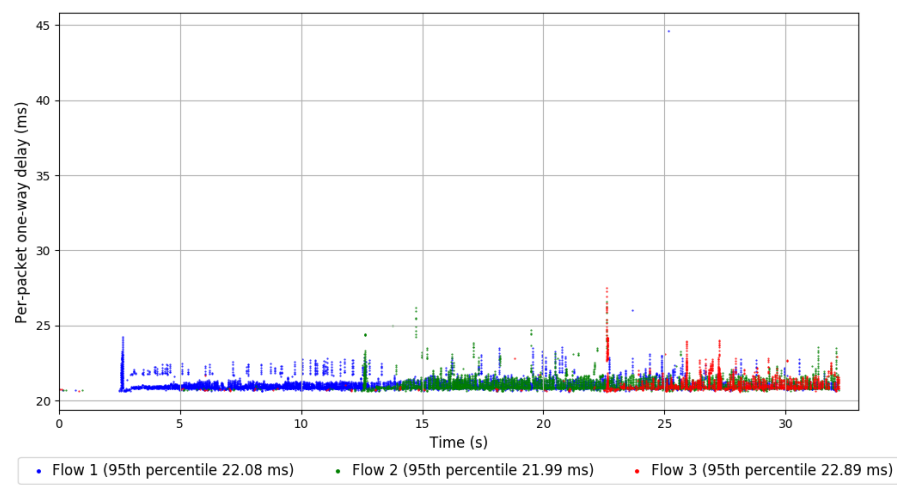
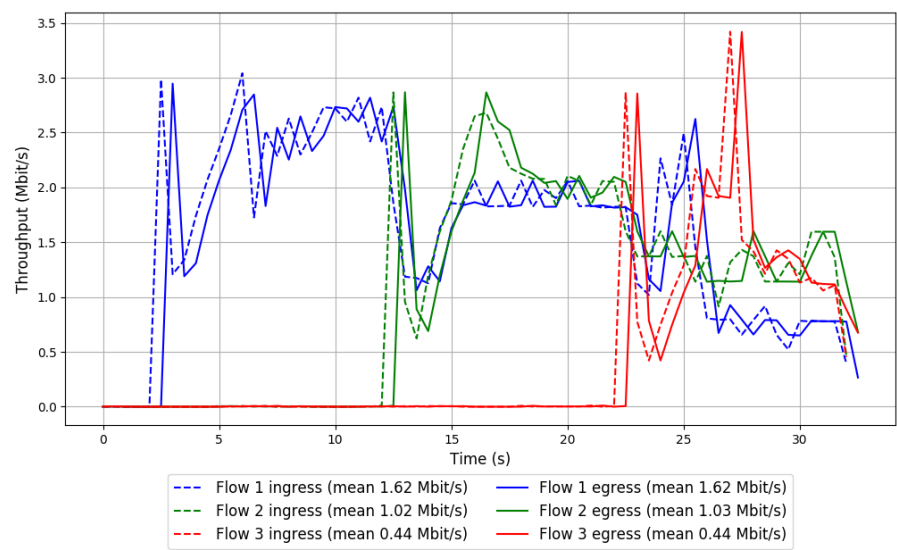


Run 3: Statistics of WebRTC media

Start at: 2018-08-22 19:40:51
End at: 2018-08-22 19:41:21
Local clock offset: 2.093 ms
Remote clock offset: -65.528 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 22.179 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 22.083 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 21.993 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 22.885 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

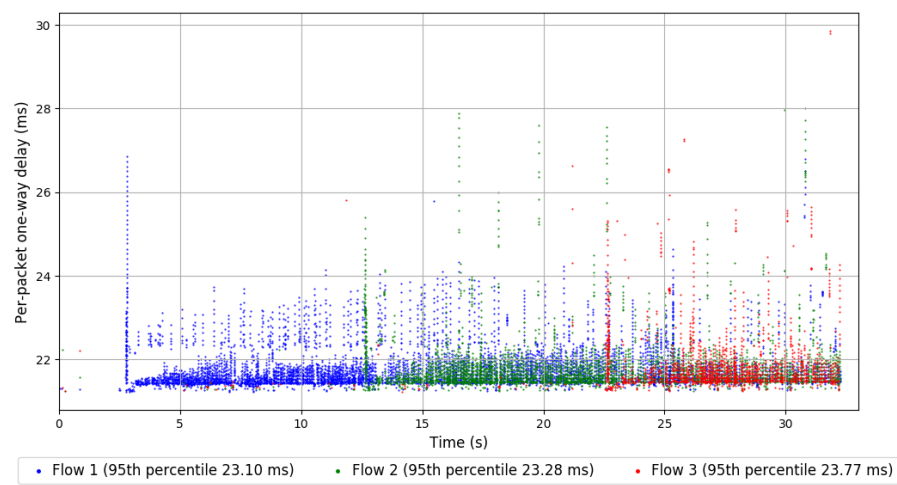
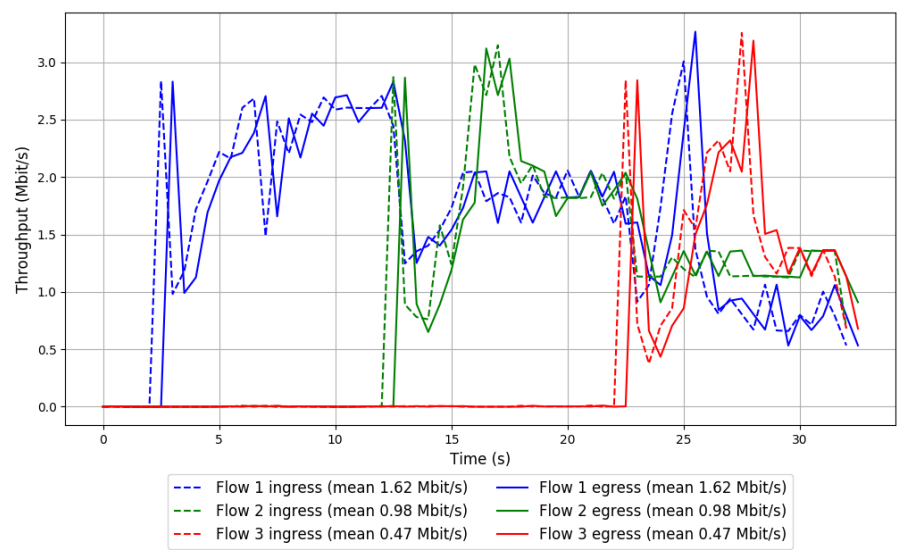


Run 4: Statistics of WebRTC media

Start at: 2018-08-22 20:00:56
End at: 2018-08-22 20:01:26
Local clock offset: 3.176 ms
Remote clock offset: -63.71 ms

```
# Below is generated by plot.py at 2018-08-22 22:46:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 23.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 23.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 23.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 23.767 ms
Loss rate: 0.01%
```


Run 4: Report of WebRTC media — Data Link

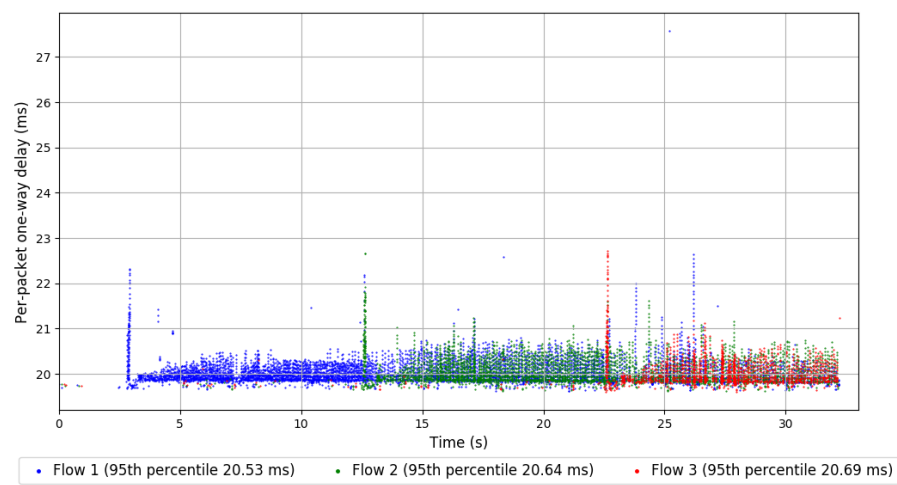
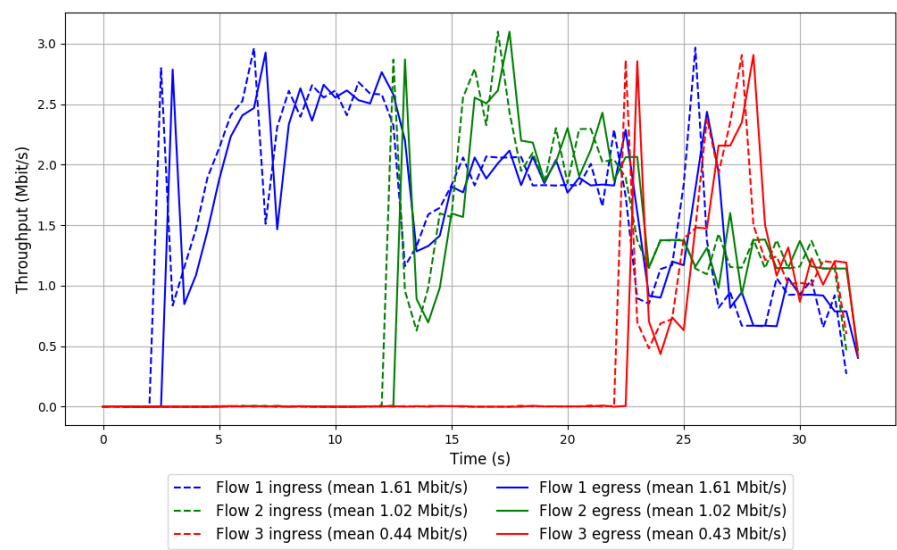


Run 5: Statistics of WebRTC media

Start at: 2018-08-22 20:20:49
End at: 2018-08-22 20:21:19
Local clock offset: 1.517 ms
Remote clock offset: -63.036 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 20.597 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 20.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 20.639 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.693 ms
Loss rate: 0.66%

Run 5: Report of WebRTC media — Data Link

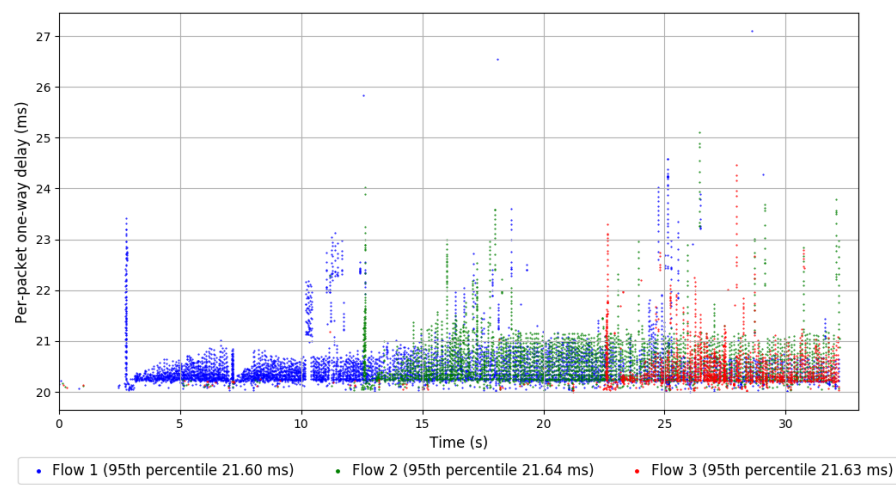
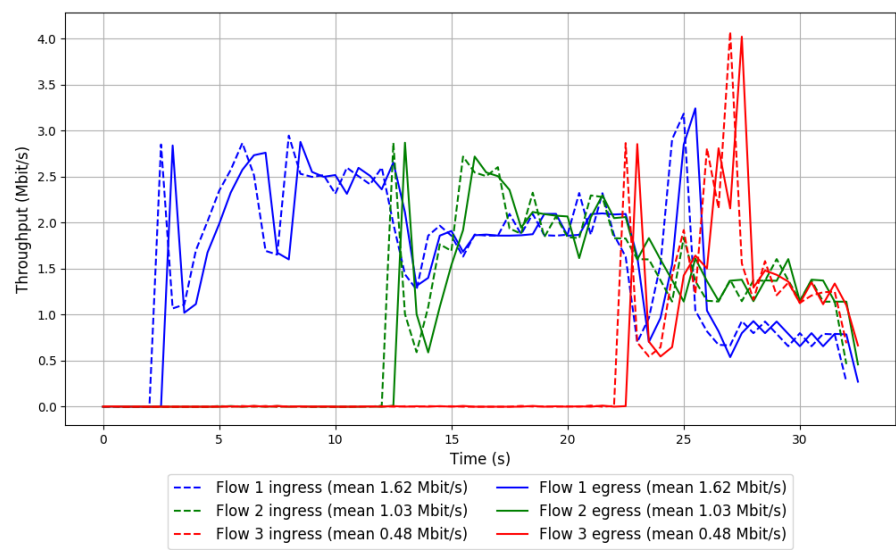


Run 6: Statistics of WebRTC media

Start at: 2018-08-22 20:40:36
End at: 2018-08-22 20:41:06
Local clock offset: 2.126 ms
Remote clock offset: -64.496 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 21.624 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 21.598 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 21.645 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 21.627 ms
Loss rate: 0.55%

Run 6: Report of WebRTC media — Data Link

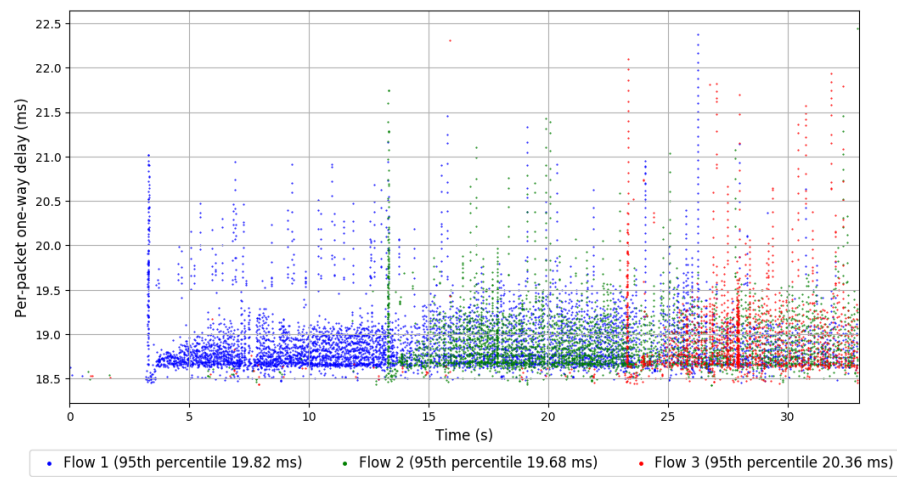
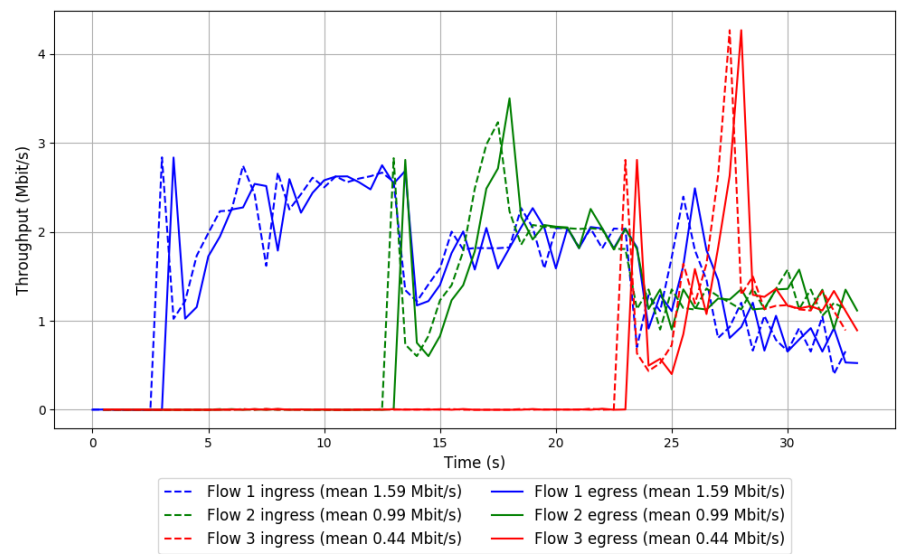


Run 7: Statistics of WebRTC media

Start at: 2018-08-22 21:00:52
End at: 2018-08-22 21:01:22
Local clock offset: 1.32 ms
Remote clock offset: -64.928 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 19.852 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 19.822 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 19.685 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 20.363 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

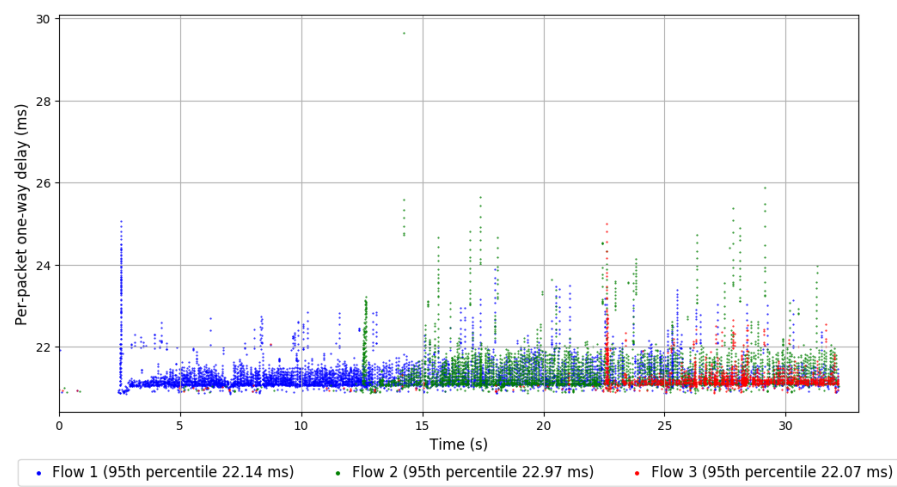
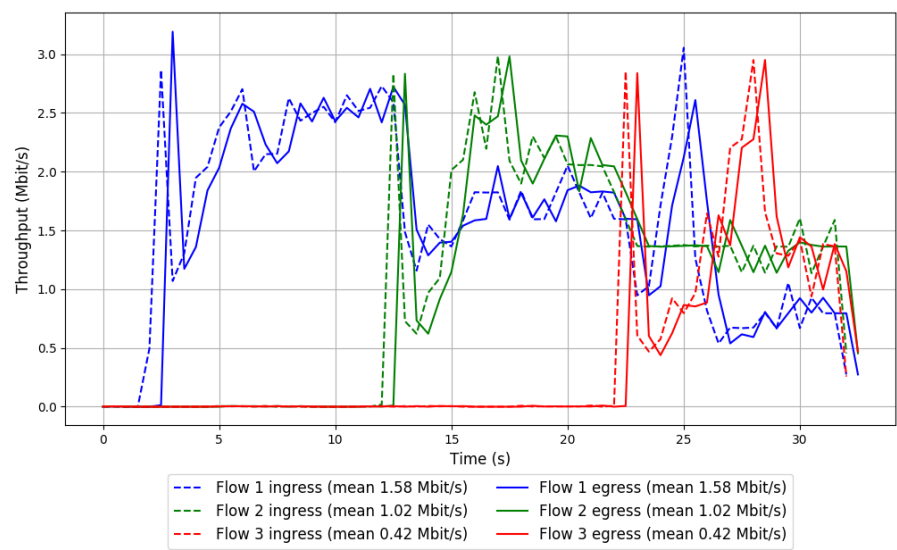


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 21:20:59
End at: 2018-08-22 21:21:29
Local clock offset: 2.705 ms
Remote clock offset: -64.769 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 22.306 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 22.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 22.969 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 22.072 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

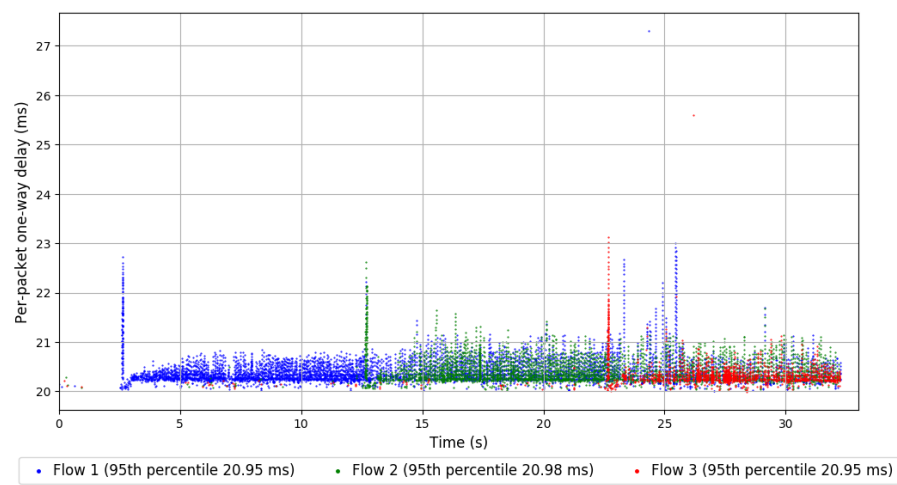
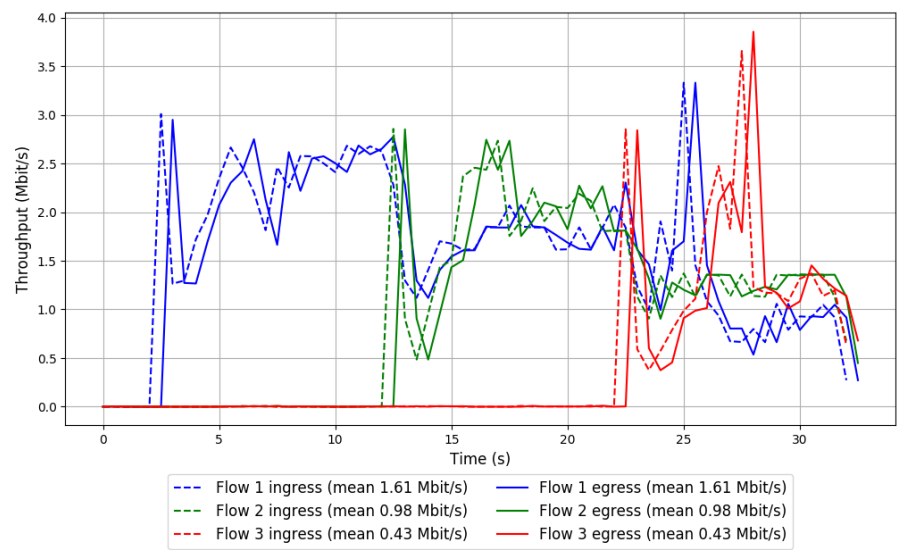


Run 9: Statistics of WebRTC media

Start at: 2018-08-22 21:41:14
End at: 2018-08-22 21:41:44
Local clock offset: 1.94 ms
Remote clock offset: -63.948 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 20.965 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 20.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 20.978 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.951 ms
Loss rate: 0.02%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 22:01:14
End at: 2018-08-22 22:01:44
Local clock offset: 2.01 ms
Remote clock offset: -63.399 ms

Below is generated by plot.py at 2018-08-22 22:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 20.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 20.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 20.226 ms
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

