

Pantheon Report

Generated at 2018-11-30 09:19:45 (UTC).

Data path: AWS California 2 on **ens5** (*local*) → Mexico on **em1** (*remote*).

Repeated the test of 19 congestion control schemes 5 times.

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

NTP offsets were measured against **time.stanford.edu** and have been applied to correct the timestamps in logs.

System info:

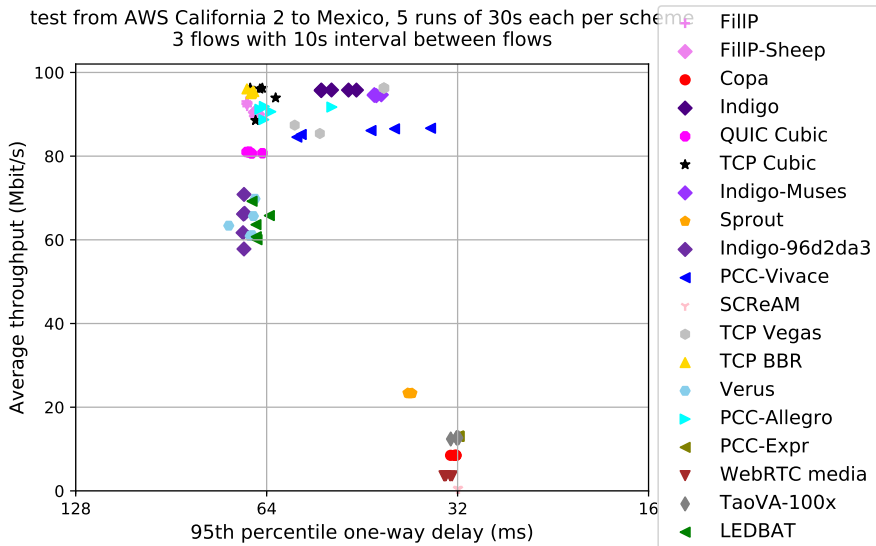
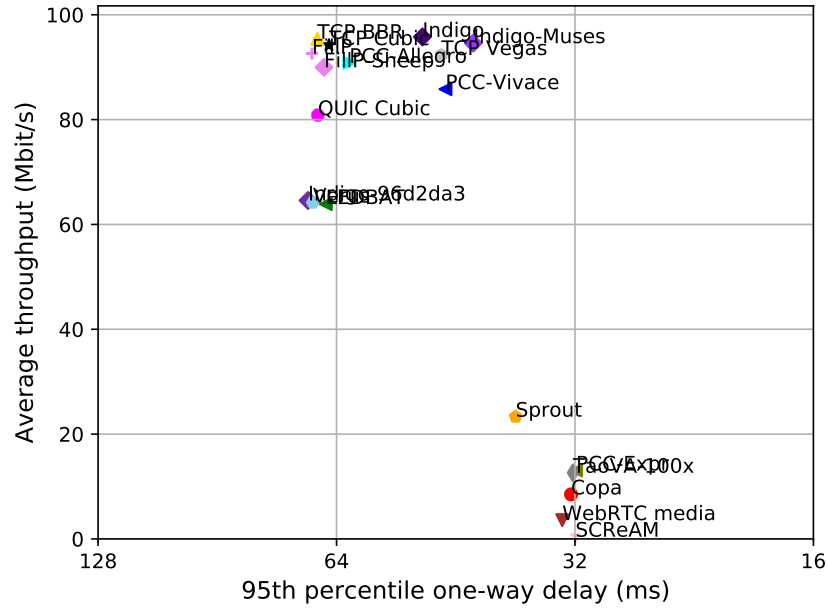
```
Linux 4.15.0-1027-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7b6dad87cde3ab65f7c4052140eb54098aa58e9d
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-96d2da3 @ 8413272d46f8aa0bcb967ed7048b6a8f994abb95
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
```

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

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



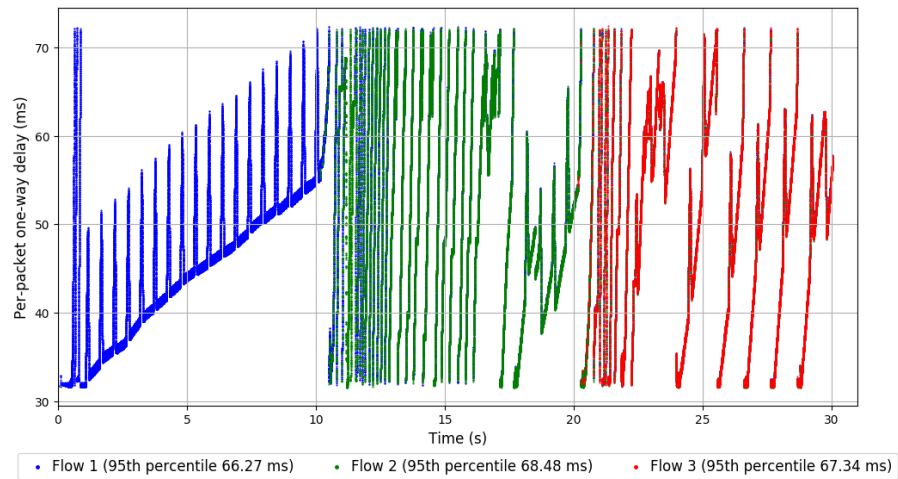
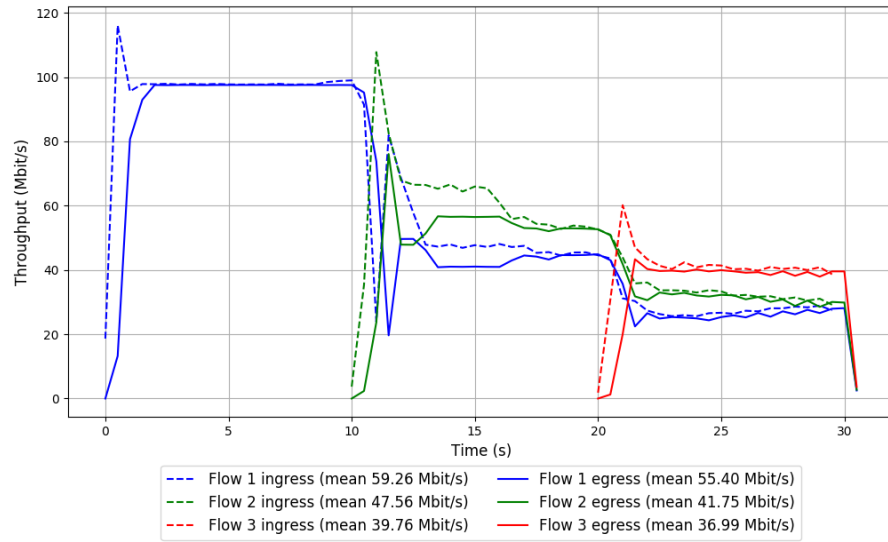
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	60.13	35.27	35.50	66.41	68.84	69.27	6.35	10.79	12.10
Copa	5	0.00	9.72	6.10	31.92	32.94	32.05	98.49	71.44	76.22
TCP Cubic	5	61.67	33.57	30.59	64.58	66.57	66.25	1.02	0.53	0.35
FillP	5	58.09	41.22	21.44	67.33	70.02	69.16	29.49	46.48	51.95
FillP-Sheep	5	56.96	38.51	22.34	64.99	67.80	67.09	9.41	17.94	16.98
Indigo	5	65.10	30.64	31.68	46.68	52.36	53.66	0.08	0.27	0.63
Indigo-96d2da3	5	44.11	23.25	19.78	69.56	69.06	61.16	58.56	60.61	60.06
LEDBAT	5	40.91	24.82	19.53	64.33	67.31	60.03	0.13	0.33	0.01
Indigo-Muses	5	56.57	34.48	45.82	43.43	43.79	40.03	0.30	0.01	0.04
PCC-Allegro	5	80.55	11.00	9.00	61.38	63.26	58.36	2.41	2.74	3.32
PCC-Expr	5	8.70	4.42	4.29	31.88	31.92	31.94	42.01	26.75	22.60
QUIC Cubic	5	61.97	21.92	13.22	67.42	67.84	68.03	2.77	0.94	1.07
SCReAM	5	0.21	0.21	0.22	31.93	31.95	31.96	0.00	0.00	0.00
Sprout	5	11.75	11.68	11.50	37.77	38.16	38.29	0.02	0.02	0.00
TaoVA-100x	5	7.31	6.81	2.32	32.71	32.00	31.93	84.11	53.98	63.76
TCP Vegas	5	62.19	34.98	20.52	46.48	46.80	43.61	0.91	0.20	0.01
Verus	5	38.47	28.20	22.81	67.08	68.24	72.89	26.44	38.67	42.44
PCC-Vivace	5	64.59	26.00	11.90	43.87	51.60	53.08	0.04	0.10	0.18
WebRTC media	5	1.93	1.24	0.42	32.86	33.26	34.19	0.02	0.06	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-11-30 07:34:31
End at: 2018-11-30 07:35:01
Local clock offset: 0.297 ms
Remote clock offset: -3.494 ms

Below is generated by plot.py at 2018-11-30 09:10:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 67.274 ms
Loss rate: 8.27%
-- Flow 1:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 66.267 ms
Loss rate: 6.44%
-- Flow 2:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 68.478 ms
Loss rate: 12.25%
-- Flow 3:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 67.336 ms
Loss rate: 6.93%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-11-30 07:57:19

End at: 2018-11-30 07:57:49

Local clock offset: 0.381 ms

Remote clock offset: -2.92 ms

Below is generated by plot.py at 2018-11-30 09:10:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 67.750 ms

Loss rate: 8.06%

-- Flow 1:

Average throughput: 55.66 Mbit/s

95th percentile per-packet one-way delay: 66.178 ms

Loss rate: 5.79%

-- Flow 2:

Average throughput: 48.71 Mbit/s

95th percentile per-packet one-way delay: 69.207 ms

Loss rate: 10.96%

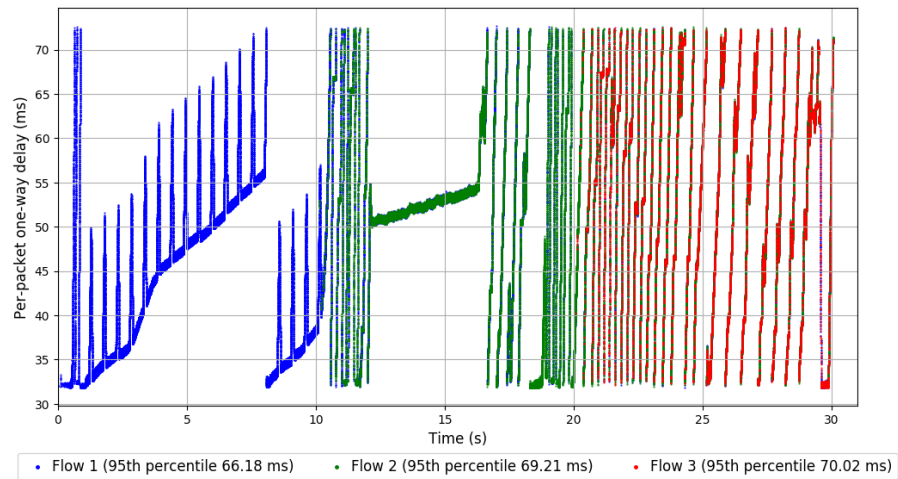
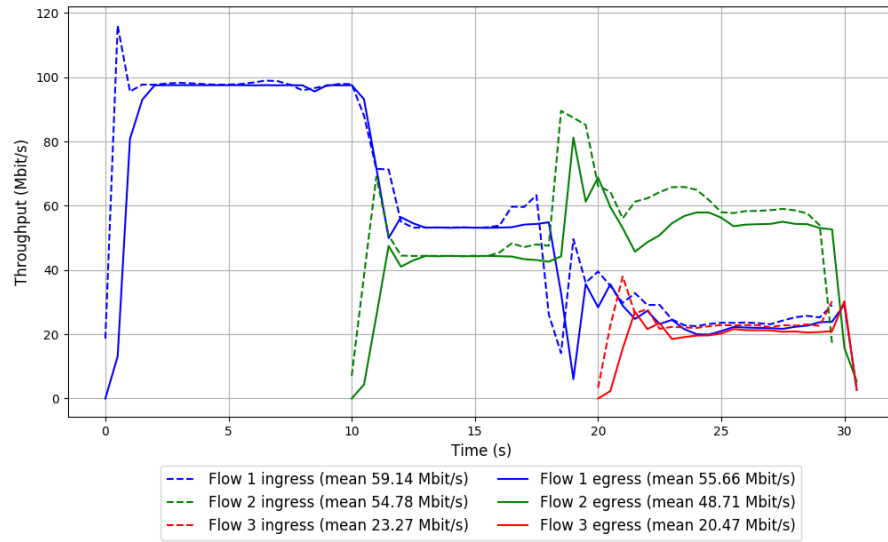
-- Flow 3:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 70.021 ms

Loss rate: 11.80%

Run 2: Report of TCP BBR — Data Link

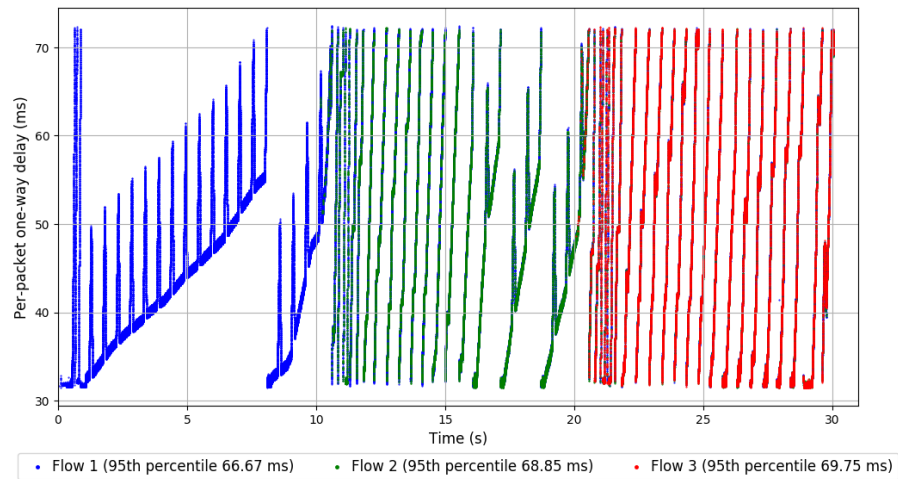
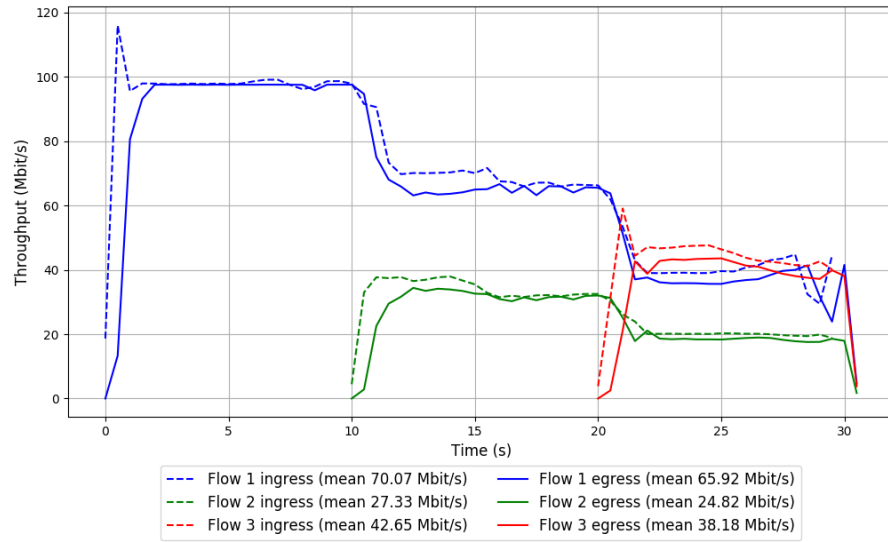


Run 3: Statistics of TCP BBR

Start at: 2018-11-30 08:20:11
End at: 2018-11-30 08:20:41
Local clock offset: 0.326 ms
Remote clock offset: -2.432 ms

Below is generated by plot.py at 2018-11-30 09:10:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 67.627 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 65.92 Mbit/s
95th percentile per-packet one-way delay: 66.666 ms
Loss rate: 5.81%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 68.853 ms
Loss rate: 9.07%
-- Flow 3:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 69.749 ms
Loss rate: 10.29%

Run 3: Report of TCP BBR — Data Link

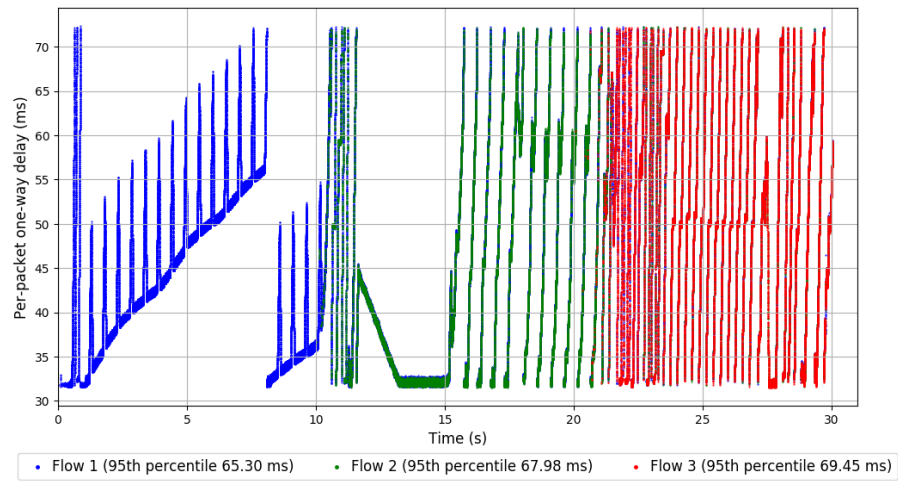
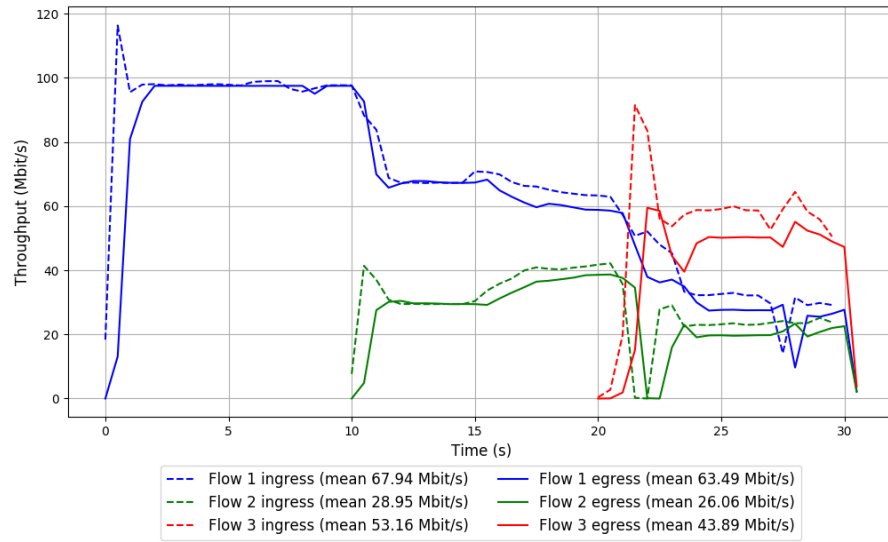


Run 4: Statistics of TCP BBR

Start at: 2018-11-30 08:42:57
End at: 2018-11-30 08:43:27
Local clock offset: 0.191 ms
Remote clock offset: -2.219 ms

Below is generated by plot.py at 2018-11-30 09:10:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 67.057 ms
Loss rate: 8.94%
-- Flow 1:
Average throughput: 63.49 Mbit/s
95th percentile per-packet one-way delay: 65.302 ms
Loss rate: 6.46%
-- Flow 2:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 67.978 ms
Loss rate: 9.88%
-- Flow 3:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 69.446 ms
Loss rate: 17.44%

Run 4: Report of TCP BBR — Data Link

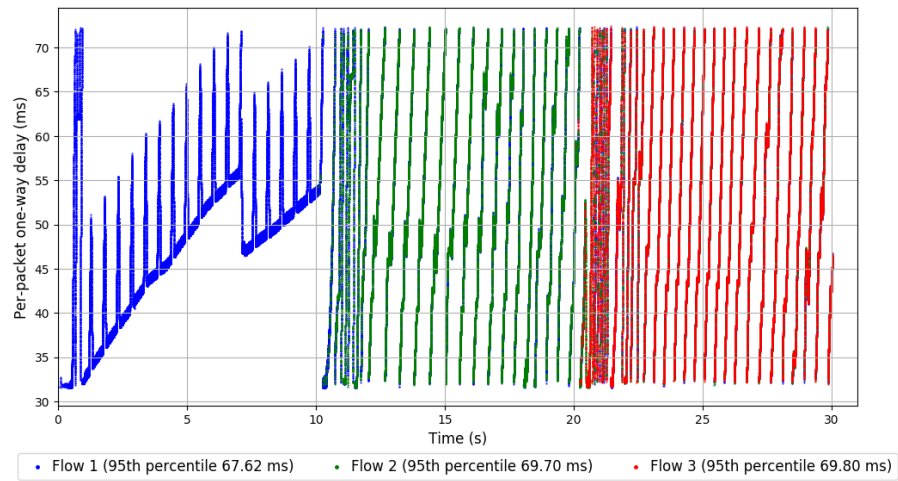
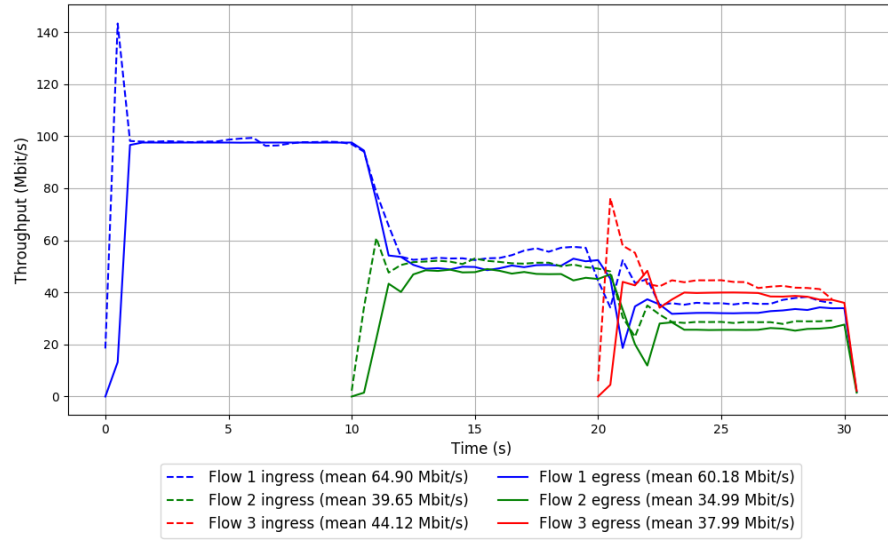


Run 5: Statistics of TCP BBR

Start at: 2018-11-30 09:05:55
End at: 2018-11-30 09:06:25
Local clock offset: 1.601 ms
Remote clock offset: -2.649 ms

Below is generated by plot.py at 2018-11-30 09:10:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 68.744 ms
Loss rate: 9.30%
-- Flow 1:
Average throughput: 60.18 Mbit/s
95th percentile per-packet one-way delay: 67.623 ms
Loss rate: 7.23%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 69.702 ms
Loss rate: 11.78%
-- Flow 3:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 69.796 ms
Loss rate: 14.02%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-11-30 07:16:40

End at: 2018-11-30 07:17:10

Local clock offset: 0.307 ms

Remote clock offset: -3.1 ms

Below is generated by plot.py at 2018-11-30 09:10:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 32.829 ms

Loss rate: 76.47%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 31.904 ms

Loss rate: 98.33%

-- Flow 2:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 33.132 ms

Loss rate: 73.44%

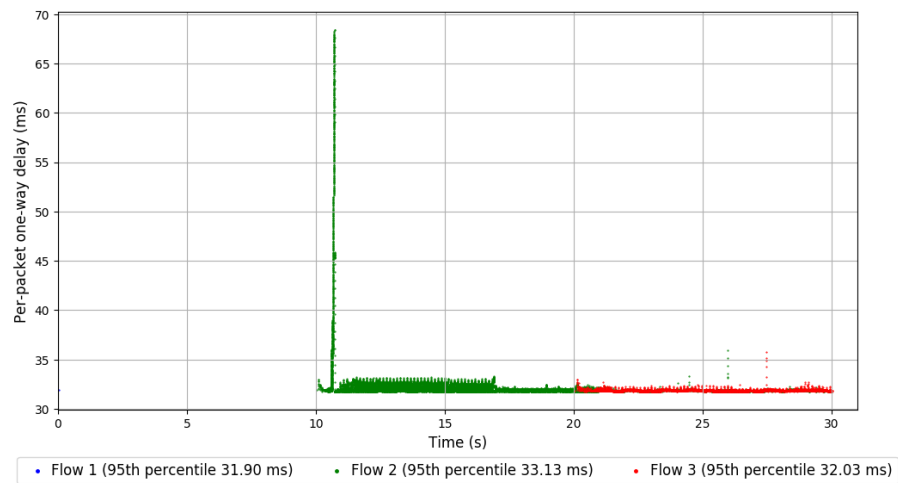
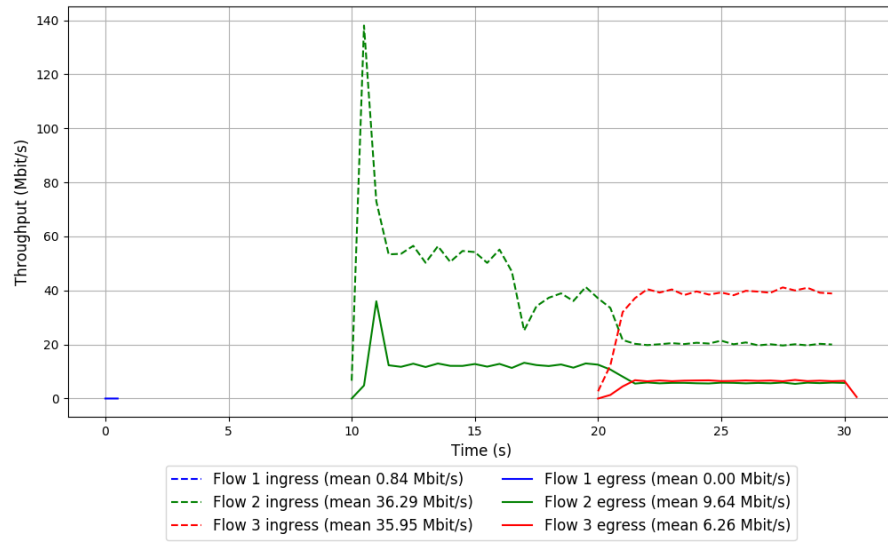
-- Flow 3:

Average throughput: 6.26 Mbit/s

95th percentile per-packet one-way delay: 32.028 ms

Loss rate: 82.58%

Run 1: Report of Copa — Data Link

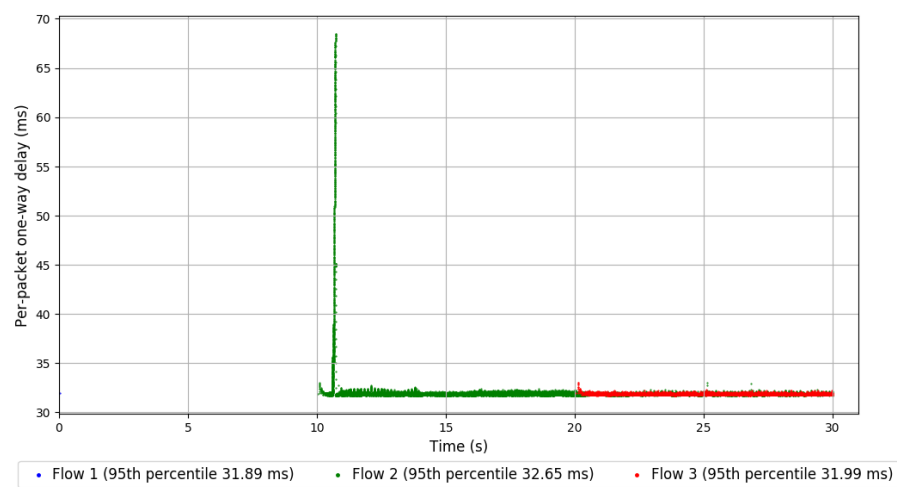
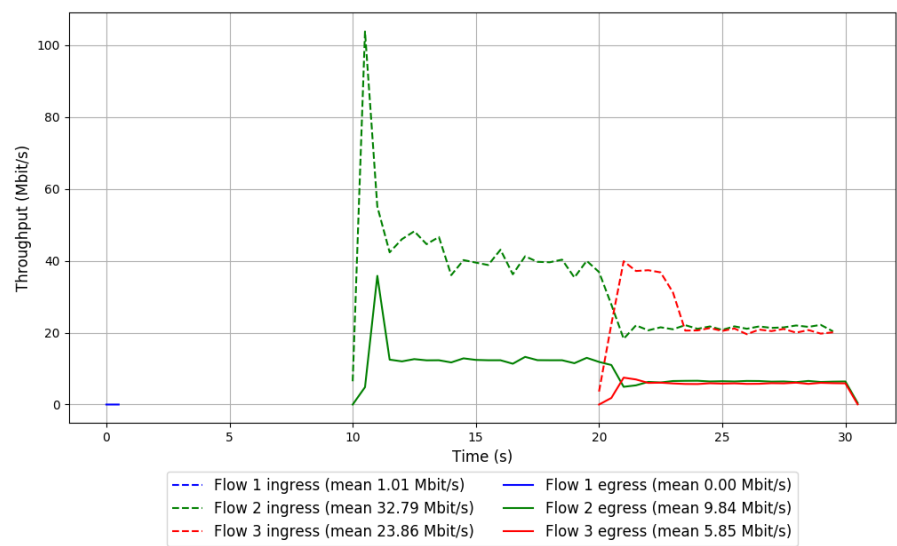


Run 2: Statistics of Copa

Start at: 2018-11-30 07:39:24
End at: 2018-11-30 07:39:54
Local clock offset: 0.307 ms
Remote clock offset: -3.353 ms

Below is generated by plot.py at 2018-11-30 09:10:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 32.222 ms
Loss rate: 71.46%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.894 ms
Loss rate: 98.60%
-- Flow 2:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 32.653 ms
Loss rate: 70.00%
-- Flow 3:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 31.992 ms
Loss rate: 75.47%

Run 2: Report of Copa — Data Link

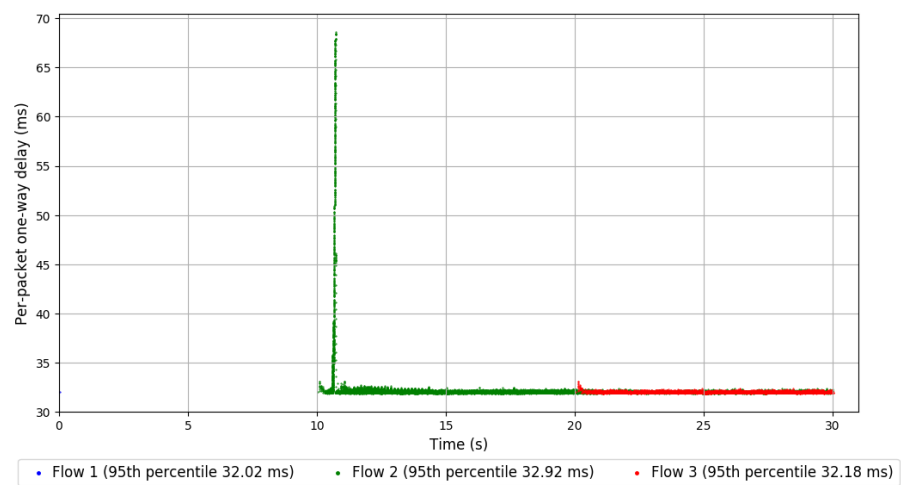
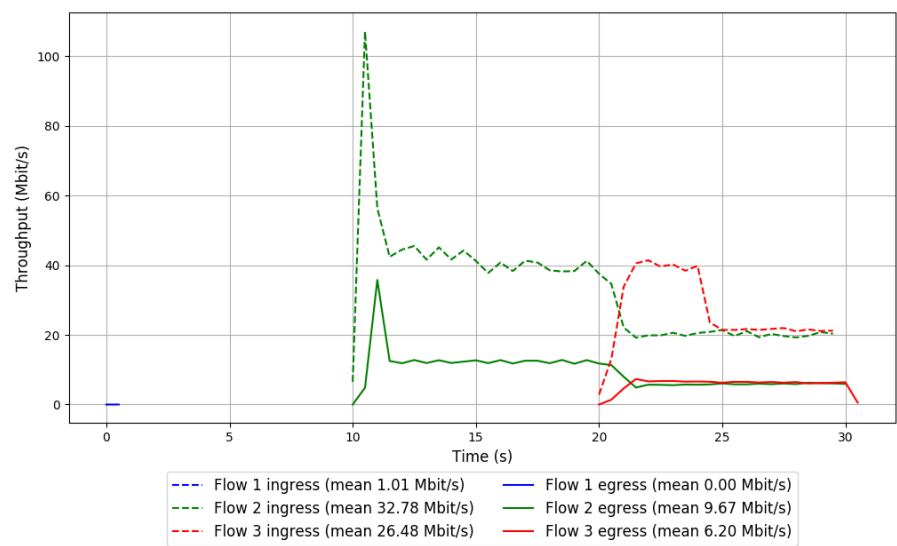


Run 3: Statistics of Copa

Start at: 2018-11-30 08:02:11
End at: 2018-11-30 08:02:41
Local clock offset: 0.378 ms
Remote clock offset: -2.733 ms

Below is generated by plot.py at 2018-11-30 09:10:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 32.390 ms
Loss rate: 72.25%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.025 ms
Loss rate: 98.60%
-- Flow 2:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 32.919 ms
Loss rate: 70.49%
-- Flow 3:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 32.178 ms
Loss rate: 76.61%

Run 3: Report of Copa — Data Link

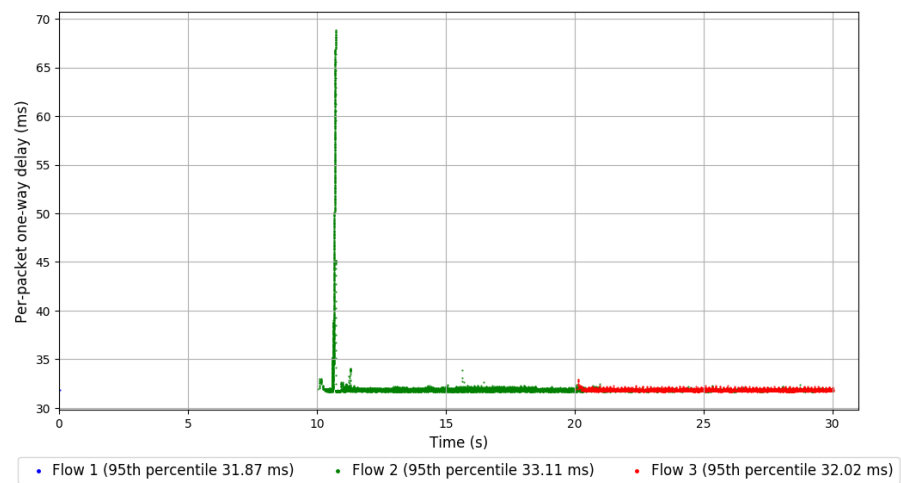
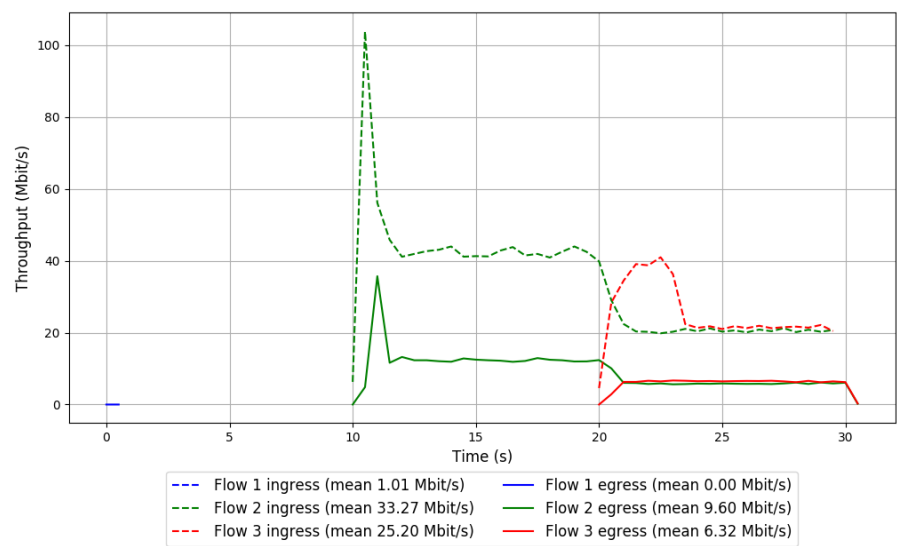


Run 4: Statistics of Copa

Start at: 2018-11-30 08:25:03
End at: 2018-11-30 08:25:33
Local clock offset: 0.27 ms
Remote clock offset: -2.122 ms

Below is generated by plot.py at 2018-11-30 09:10:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 32.170 ms
Loss rate: 72.18%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.870 ms
Loss rate: 98.60%
-- Flow 2:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 33.111 ms
Loss rate: 71.13%
-- Flow 3:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 32.019 ms
Loss rate: 74.92%

Run 4: Report of Copa — Data Link

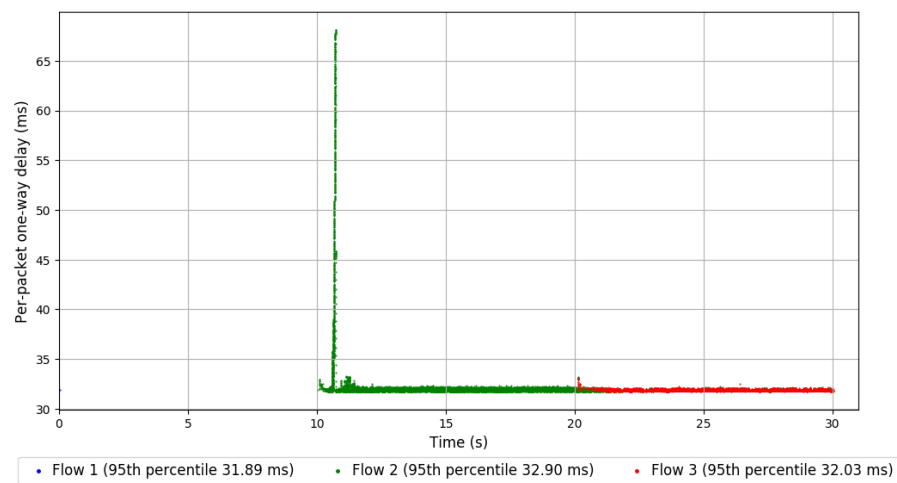
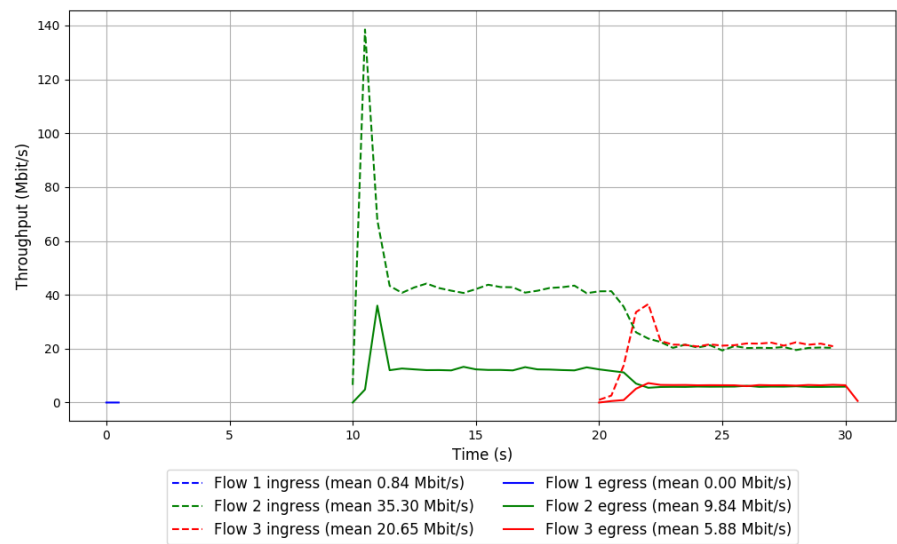


Run 5: Statistics of Copa

Start at: 2018-11-30 08:47:55
End at: 2018-11-30 08:48:25
Local clock offset: 0.627 ms
Remote clock offset: -2.106 ms

Below is generated by plot.py at 2018-11-30 09:10:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 32.235 ms
Loss rate: 72.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.893 ms
Loss rate: 98.33%
-- Flow 2:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 32.902 ms
Loss rate: 72.14%
-- Flow 3:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 32.029 ms
Loss rate: 71.53%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-11-30 07:14:15

End at: 2018-11-30 07:14:45

Local clock offset: 0.306 ms

Remote clock offset: -3.23 ms

Below is generated by plot.py at 2018-11-30 09:10:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.54 Mbit/s

95th percentile per-packet one-way delay: 66.634 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 43.43 Mbit/s

95th percentile per-packet one-way delay: 63.932 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 53.81 Mbit/s

95th percentile per-packet one-way delay: 67.259 ms

Loss rate: 0.43%

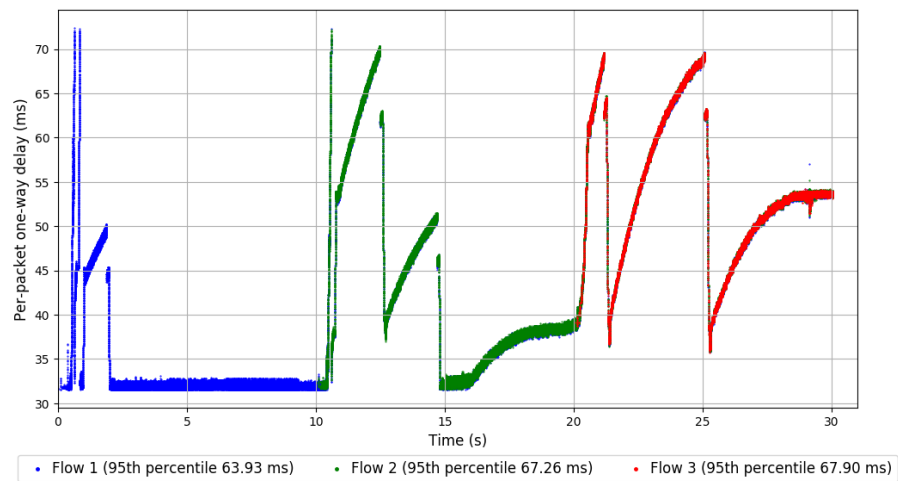
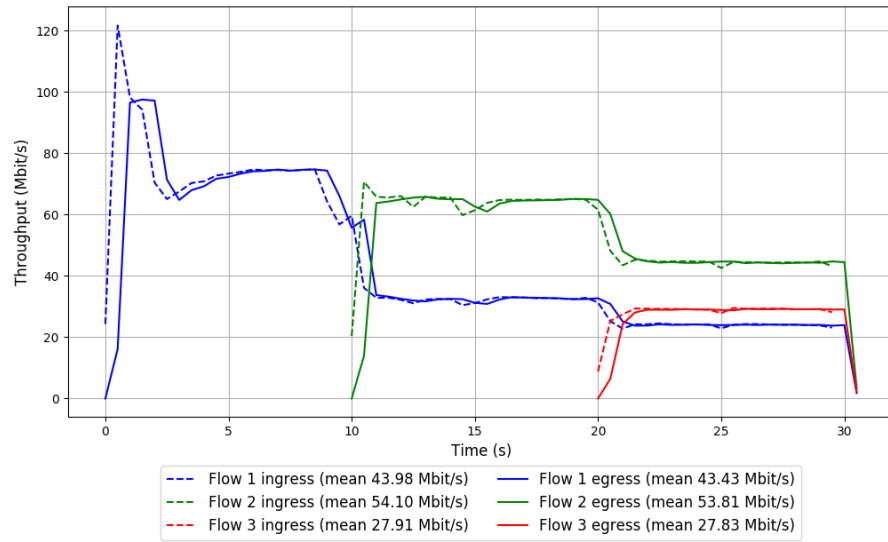
-- Flow 3:

Average throughput: 27.83 Mbit/s

95th percentile per-packet one-way delay: 67.902 ms

Loss rate: 0.16%

Run 1: Report of TCP Cubic — Data Link

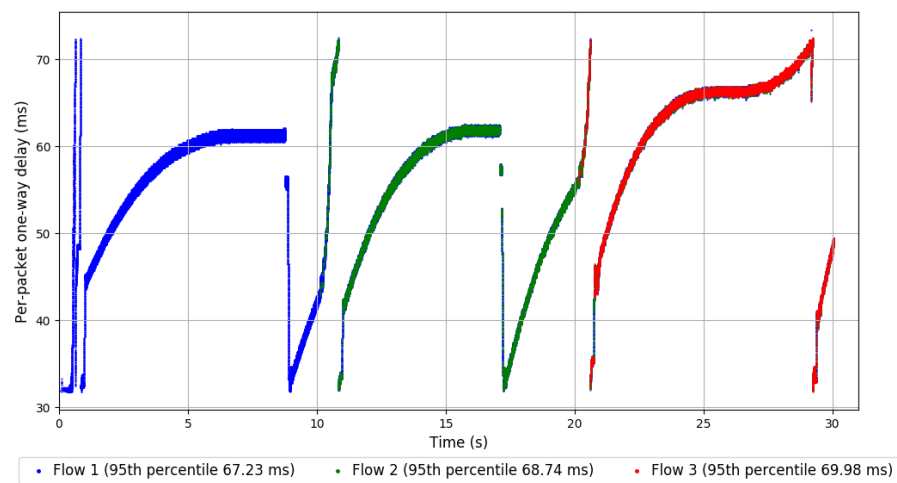
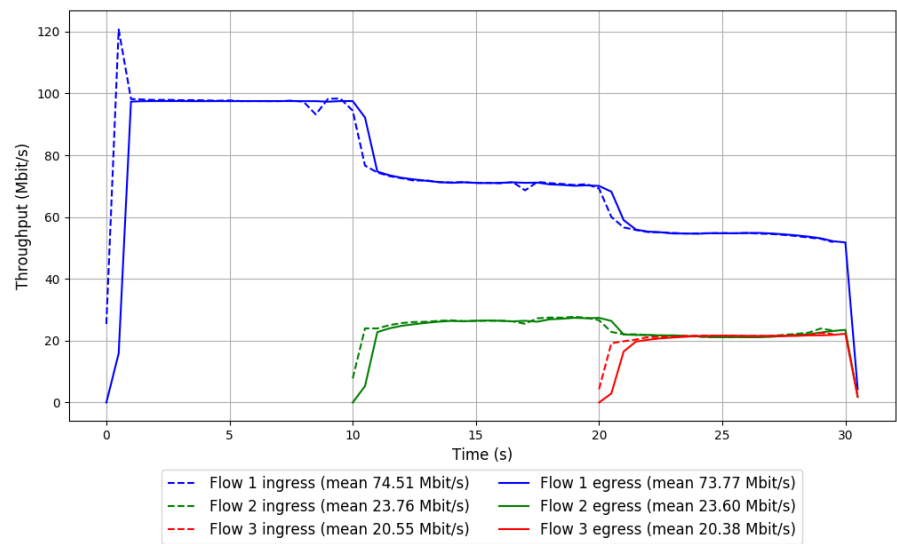


Run 2: Statistics of TCP Cubic

Start at: 2018-11-30 07:36:58
End at: 2018-11-30 07:37:28
Local clock offset: 0.299 ms
Remote clock offset: -3.314 ms

Below is generated by plot.py at 2018-11-30 09:10:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 67.923 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 73.77 Mbit/s
95th percentile per-packet one-way delay: 67.230 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 23.60 Mbit/s
95th percentile per-packet one-way delay: 68.740 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 69.983 ms
Loss rate: 0.90%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-11-30 07:59:45

End at: 2018-11-30 08:00:15

Local clock offset: 0.379 ms

Remote clock offset: -2.86 ms

Below is generated by plot.py at 2018-11-30 09:10:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.93 Mbit/s

95th percentile per-packet one-way delay: 61.954 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 41.74 Mbit/s

95th percentile per-packet one-way delay: 61.447 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 65.628 ms

Loss rate: 0.88%

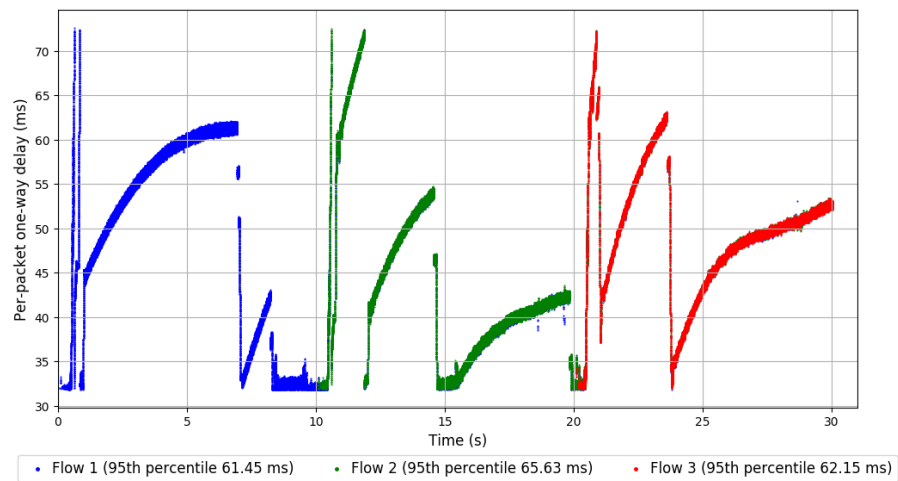
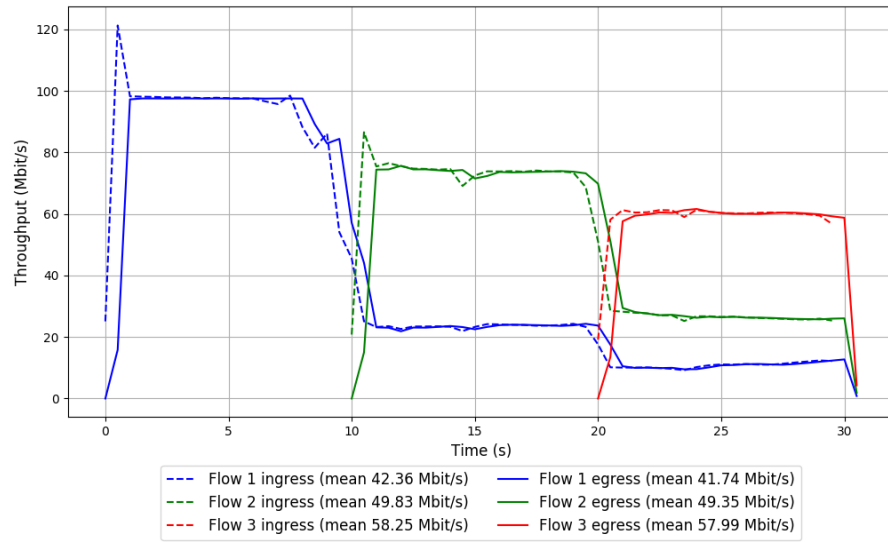
-- Flow 3:

Average throughput: 57.99 Mbit/s

95th percentile per-packet one-way delay: 62.152 ms

Loss rate: 0.23%

Run 3: Report of TCP Cubic — Data Link

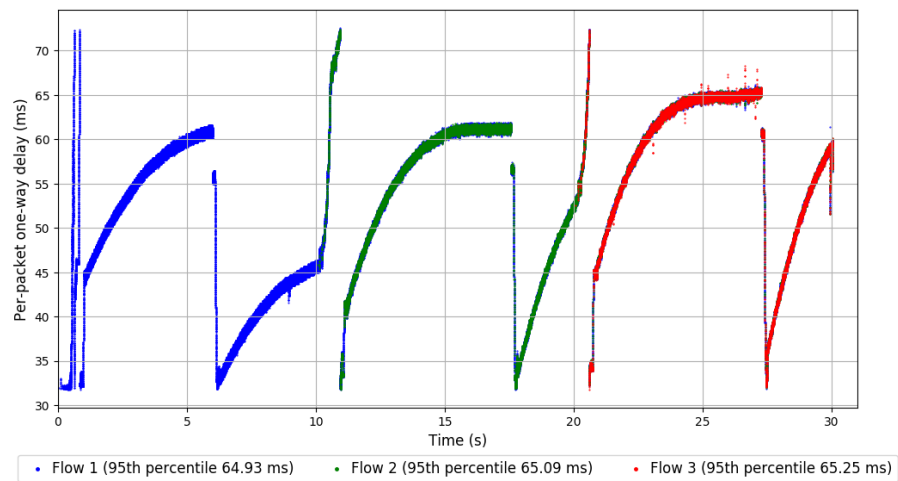
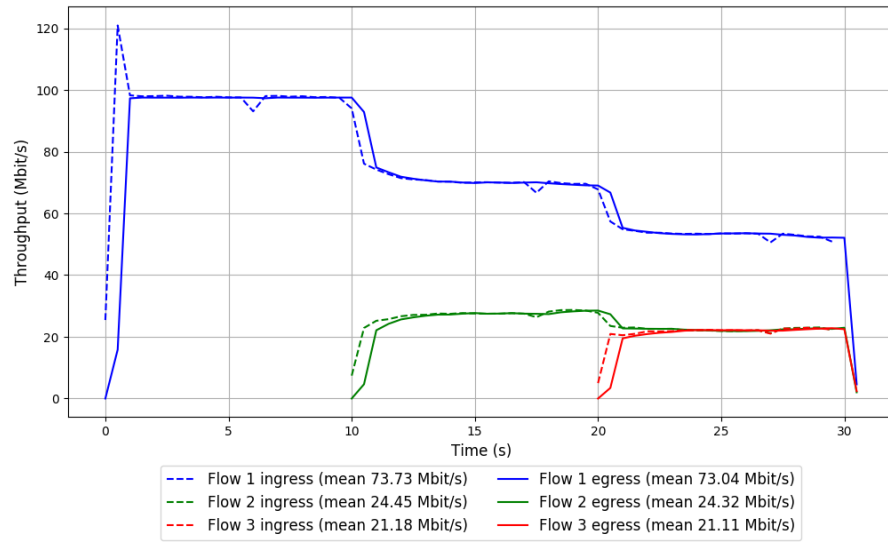


Run 4: Statistics of TCP Cubic

Start at: 2018-11-30 08:22:37
End at: 2018-11-30 08:23:07
Local clock offset: 0.304 ms
Remote clock offset: -2.148 ms

Below is generated by plot.py at 2018-11-30 09:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 65.008 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 73.04 Mbit/s
95th percentile per-packet one-way delay: 64.932 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 65.089 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 65.248 ms
Loss rate: 0.31%

Run 4: Report of TCP Cubic — Data Link

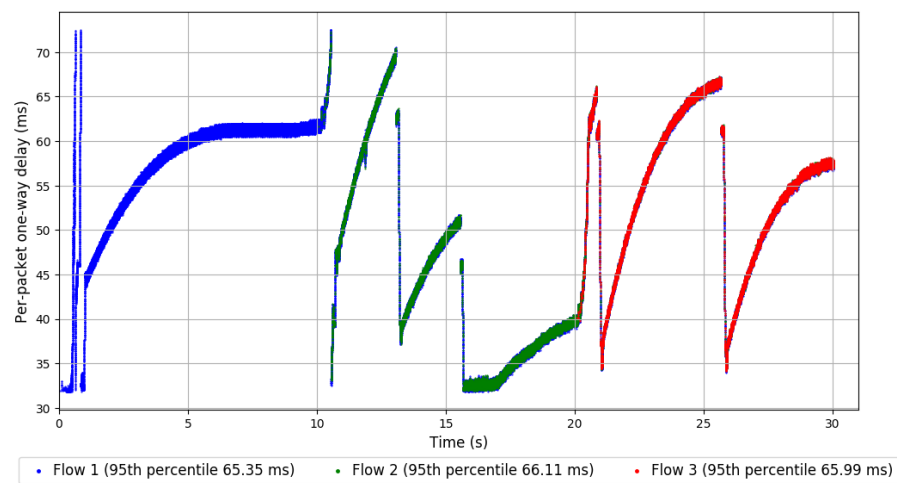
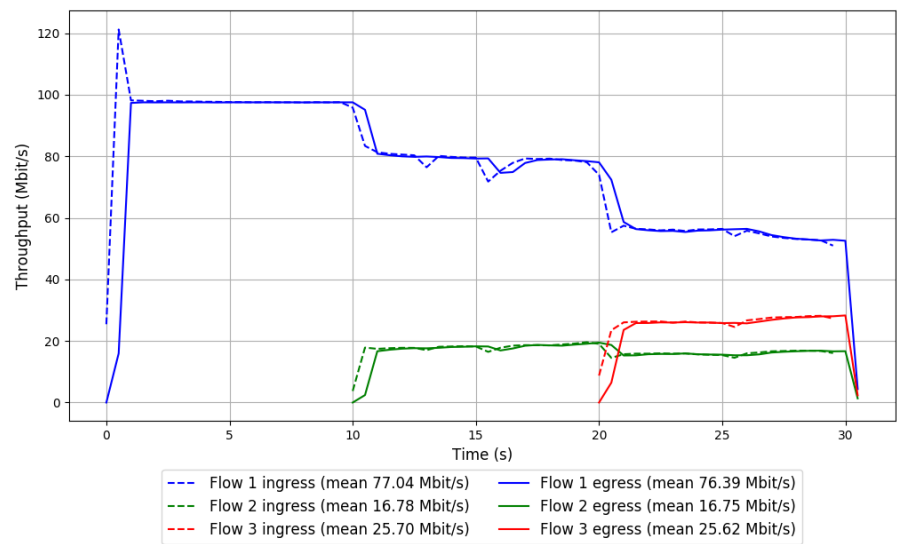


Run 5: Statistics of TCP Cubic

Start at: 2018-11-30 08:45:29
End at: 2018-11-30 08:45:59
Local clock offset: 0.266 ms
Remote clock offset: -2.023 ms

Below is generated by plot.py at 2018-11-30 09:11:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 65.607 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 76.39 Mbit/s
95th percentile per-packet one-way delay: 65.353 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 16.75 Mbit/s
95th percentile per-packet one-way delay: 66.112 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 65.987 ms
Loss rate: 0.13%

Run 5: Report of TCP Cubic — Data Link

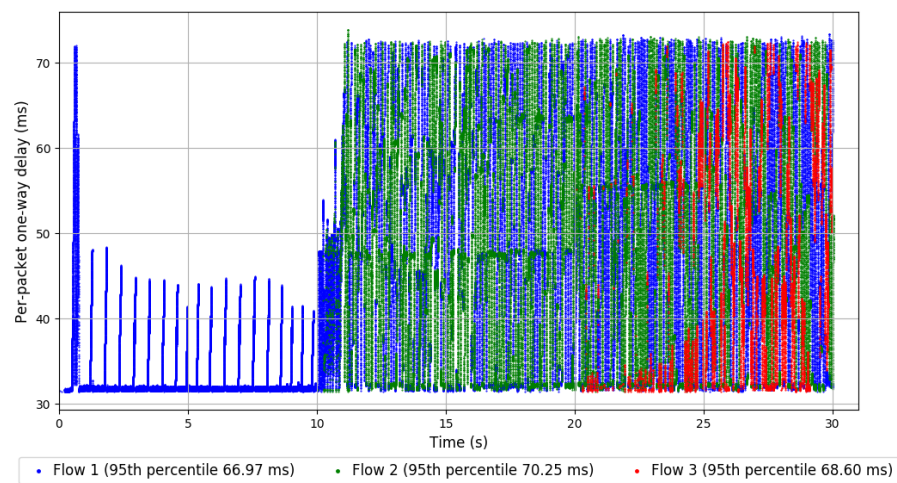
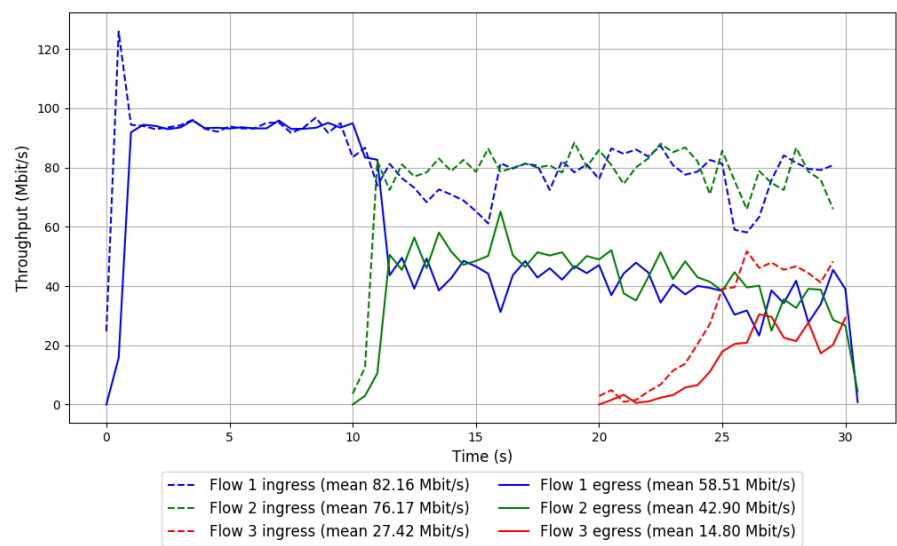


Run 1: Statistics of FillP

Start at: 2018-11-30 07:28:33
End at: 2018-11-30 07:29:03
Local clock offset: 0.3 ms
Remote clock offset: -3.498 ms

Below is generated by plot.py at 2018-11-30 09:11:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 68.694 ms
Loss rate: 35.20%
-- Flow 1:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 66.973 ms
Loss rate: 28.78%
-- Flow 2:
Average throughput: 42.90 Mbit/s
95th percentile per-packet one-way delay: 70.248 ms
Loss rate: 43.62%
-- Flow 3:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 68.601 ms
Loss rate: 46.23%

Run 1: Report of FillP — Data Link

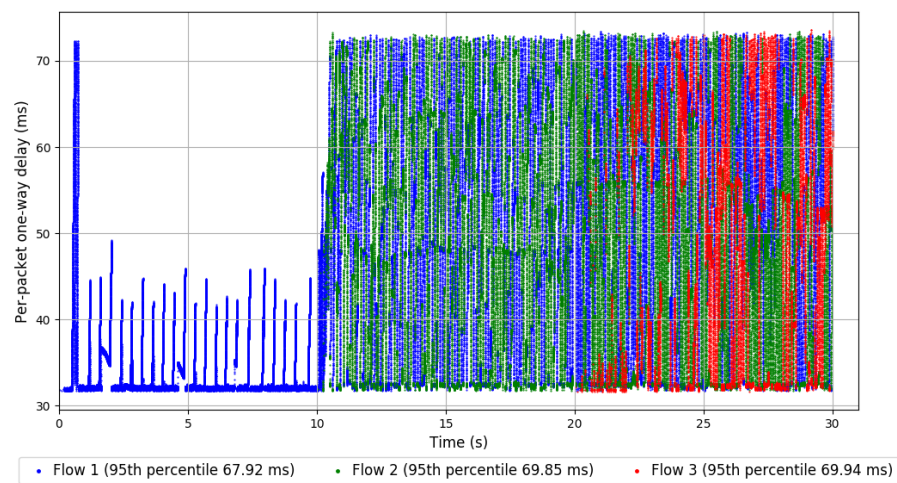
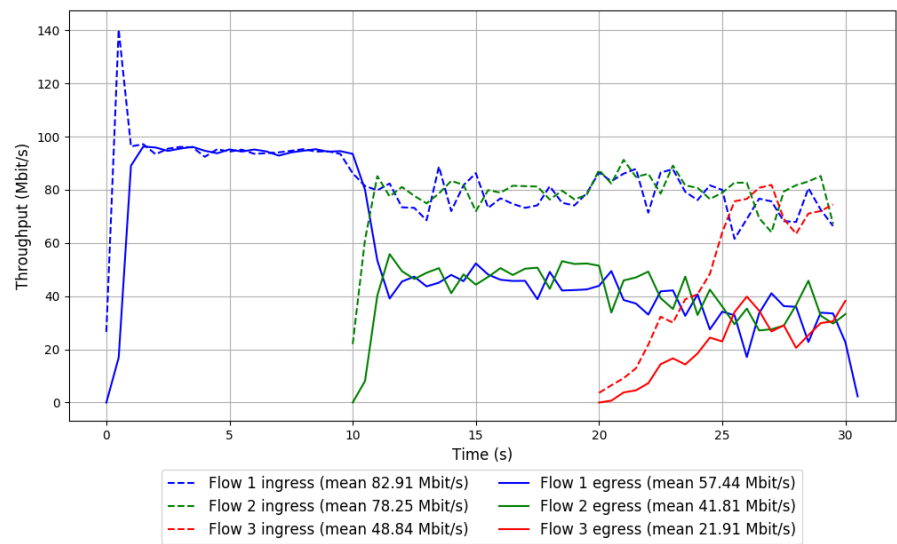


Run 2: Statistics of FillP

Start at: 2018-11-30 07:51:21
End at: 2018-11-30 07:51:51
Local clock offset: 0.345 ms
Remote clock offset: -3.083 ms

Below is generated by plot.py at 2018-11-30 09:12:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 68.928 ms
Loss rate: 38.80%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 67.924 ms
Loss rate: 30.71%
-- Flow 2:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 69.851 ms
Loss rate: 46.58%
-- Flow 3:
Average throughput: 21.91 Mbit/s
95th percentile per-packet one-way delay: 69.936 ms
Loss rate: 55.16%

Run 2: Report of FillP — Data Link

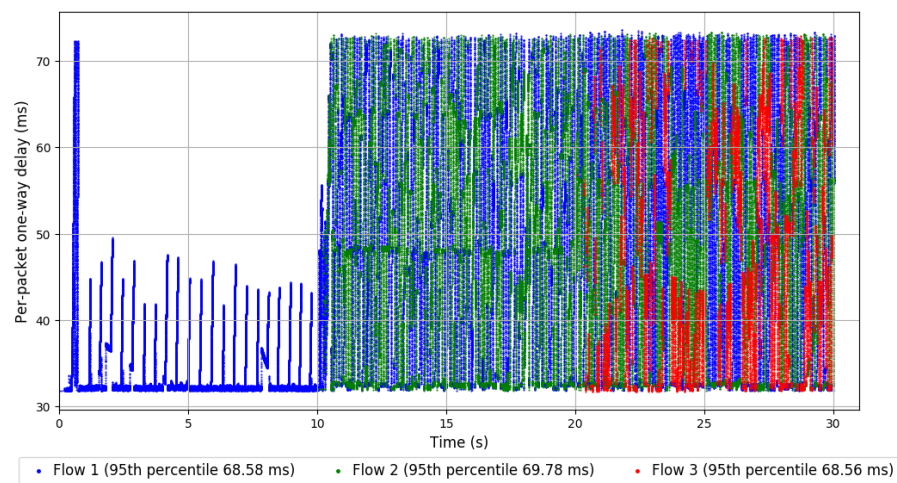
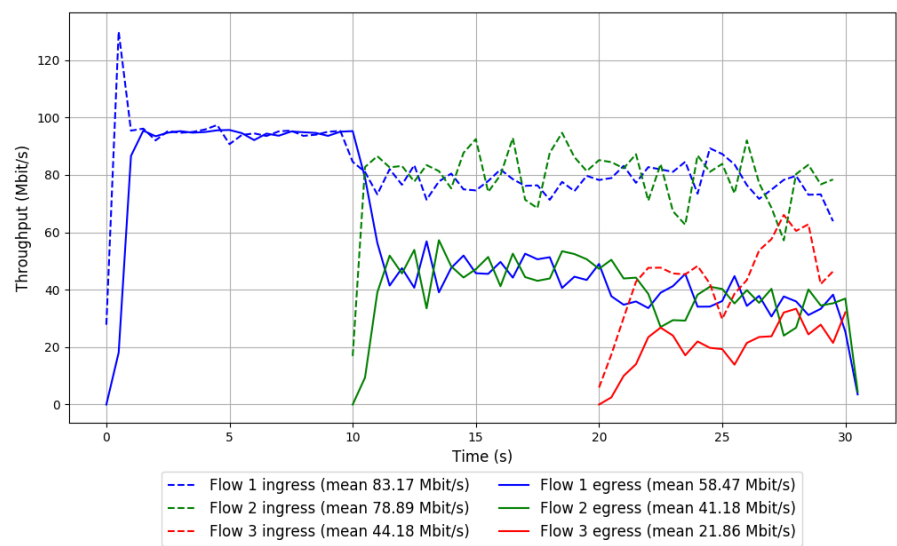


Run 3: Statistics of FillP

Start at: 2018-11-30 08:14:11
End at: 2018-11-30 08:14:41
Local clock offset: 0.405 ms
Remote clock offset: -2.233 ms

Below is generated by plot.py at 2018-11-30 09:12:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 68.913 ms
Loss rate: 37.97%
-- Flow 1:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: 68.580 ms
Loss rate: 29.61%
-- Flow 2:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 69.778 ms
Loss rate: 47.74%
-- Flow 3:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 68.565 ms
Loss rate: 50.45%

Run 3: Report of FillP — Data Link

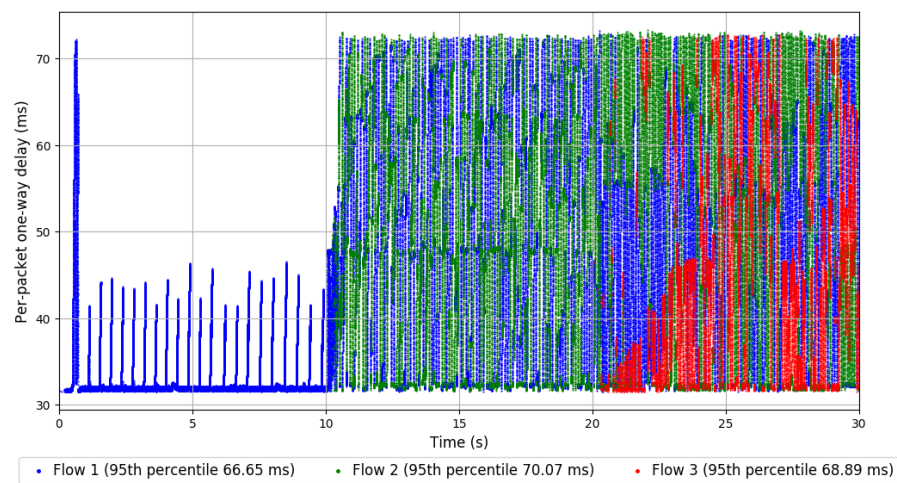
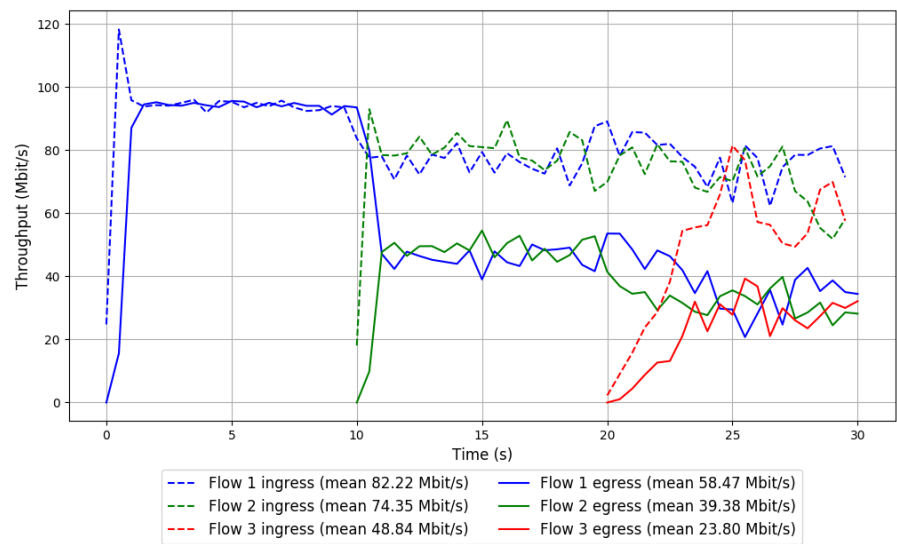


Run 4: Statistics of FillP

Start at: 2018-11-30 08:36:58
End at: 2018-11-30 08:37:28
Local clock offset: 0.22 ms
Remote clock offset: -1.988 ms

Below is generated by plot.py at 2018-11-30 09:12:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 68.550 ms
Loss rate: 37.41%
-- Flow 1:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: 66.646 ms
Loss rate: 28.88%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 70.067 ms
Loss rate: 47.04%
-- Flow 3:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 68.893 ms
Loss rate: 51.30%

Run 4: Report of FillP — Data Link

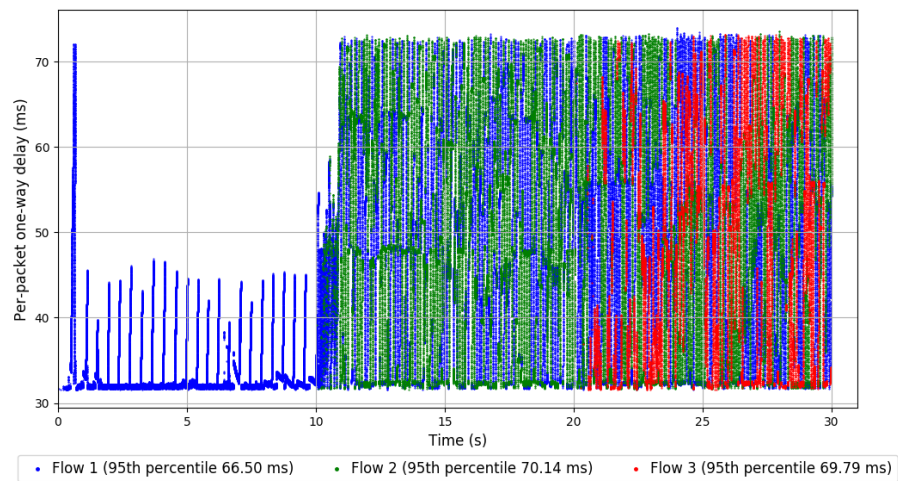
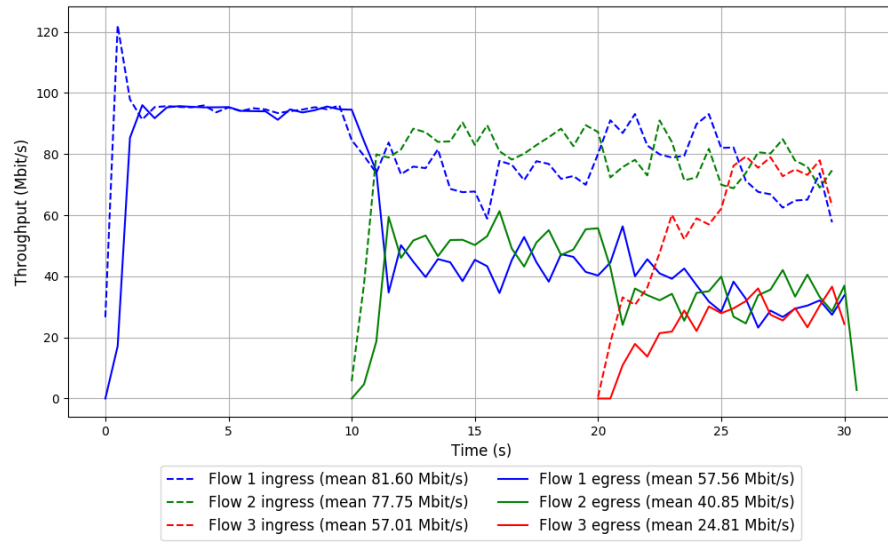


Run 5: Statistics of FillP

Start at: 2018-11-30 08:59:56
End at: 2018-11-30 09:00:26
Local clock offset: 1.434 ms
Remote clock offset: -2.286 ms

Below is generated by plot.py at 2018-11-30 09:12:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 68.607 ms
Loss rate: 38.93%
-- Flow 1:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 66.503 ms
Loss rate: 29.47%
-- Flow 2:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 70.135 ms
Loss rate: 47.40%
-- Flow 3:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 69.788 ms
Loss rate: 56.63%

Run 5: Report of FillP — Data Link

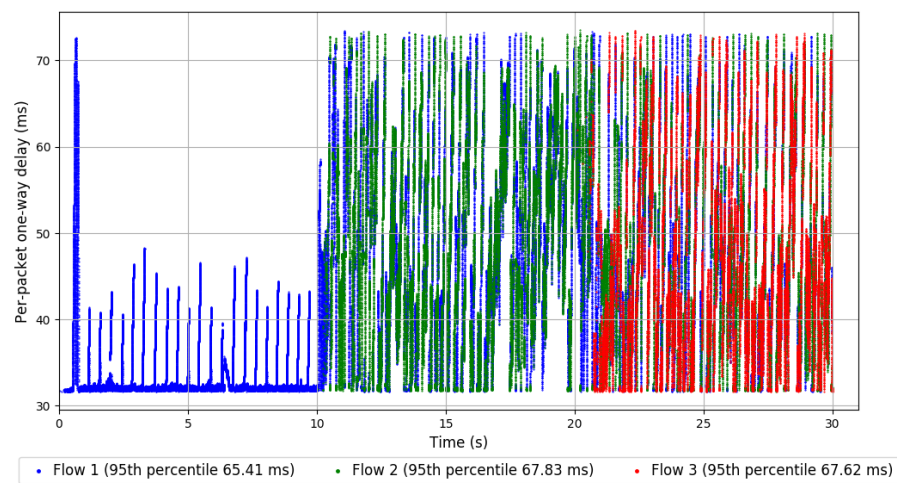
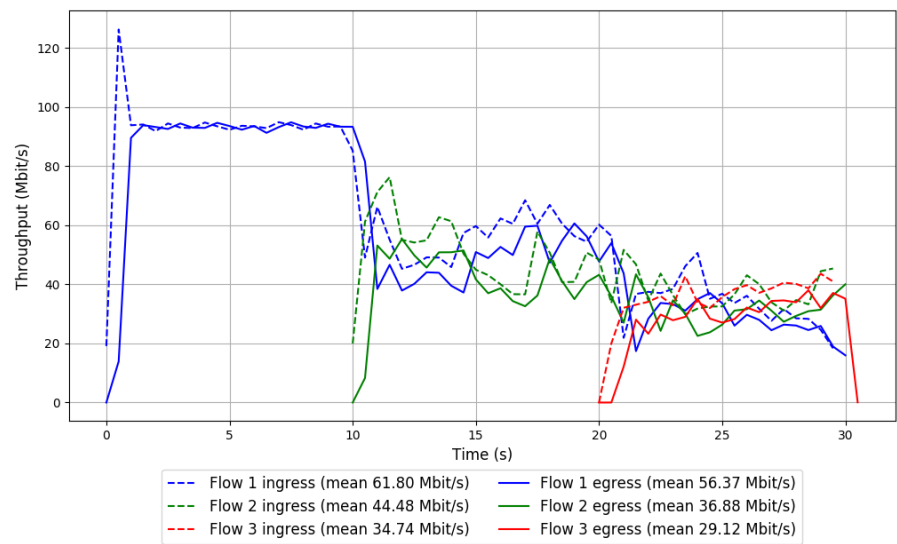


Run 1: Statistics of FillP-Sheep

Start at: 2018-11-30 07:15:28
End at: 2018-11-30 07:15:58
Local clock offset: 0.294 ms
Remote clock offset: -3.085 ms

Below is generated by plot.py at 2018-11-30 09:12:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 66.582 ms
Loss rate: 12.02%
-- Flow 1:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 65.405 ms
Loss rate: 8.77%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 67.832 ms
Loss rate: 17.09%
-- Flow 3:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 67.616 ms
Loss rate: 16.44%

Run 1: Report of FillP-Sheep — Data Link

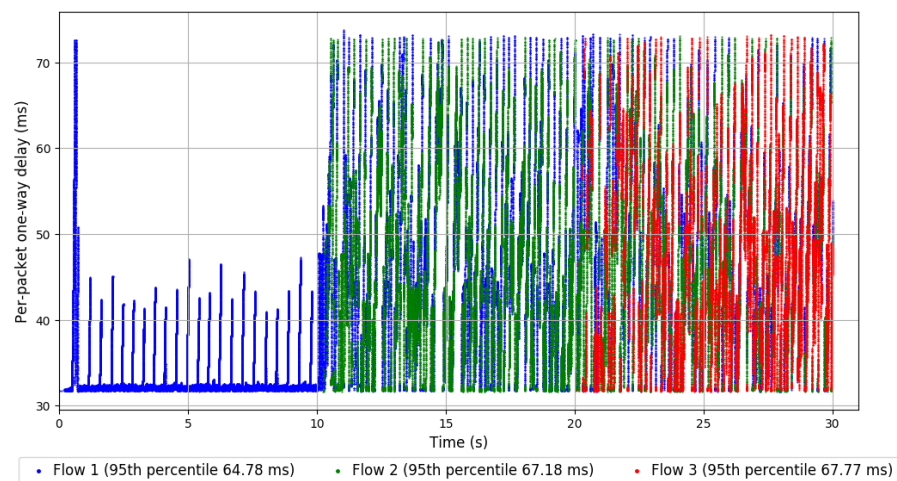
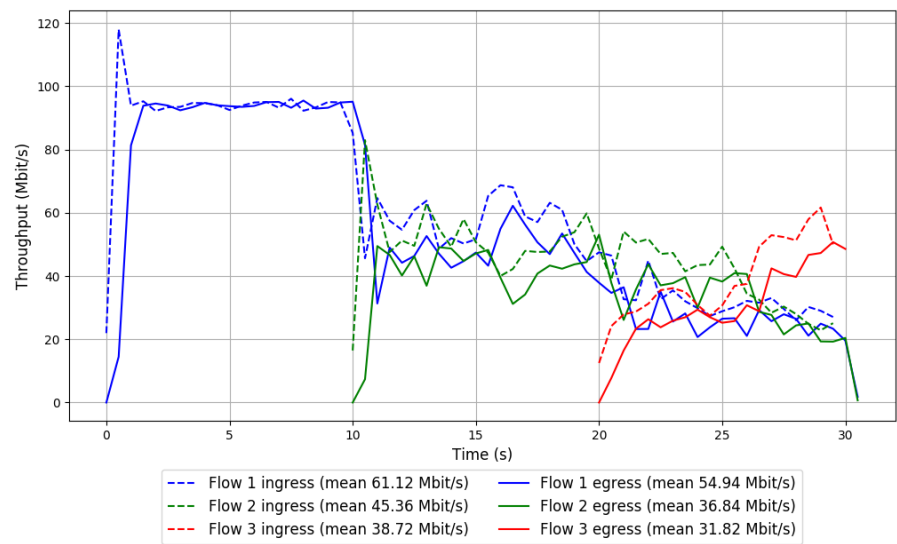


Run 2: Statistics of FillP-Sheep

Start at: 2018-11-30 07:38:11
End at: 2018-11-30 07:38:41
Local clock offset: 0.29 ms
Remote clock offset: -3.305 ms

Below is generated by plot.py at 2018-11-30 09:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.04 Mbit/s
95th percentile per-packet one-way delay: 66.166 ms
Loss rate: 13.51%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 64.781 ms
Loss rate: 10.06%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 67.180 ms
Loss rate: 18.72%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 67.769 ms
Loss rate: 17.73%

Run 2: Report of FillP-Sheep — Data Link

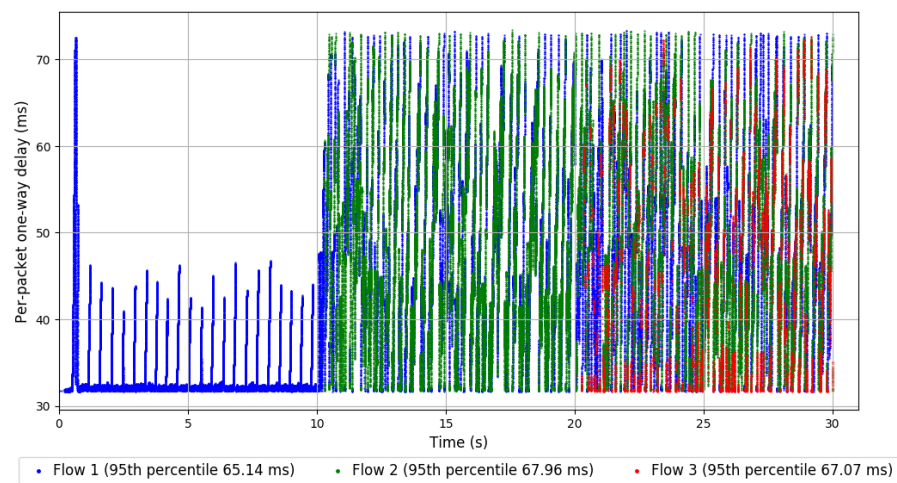
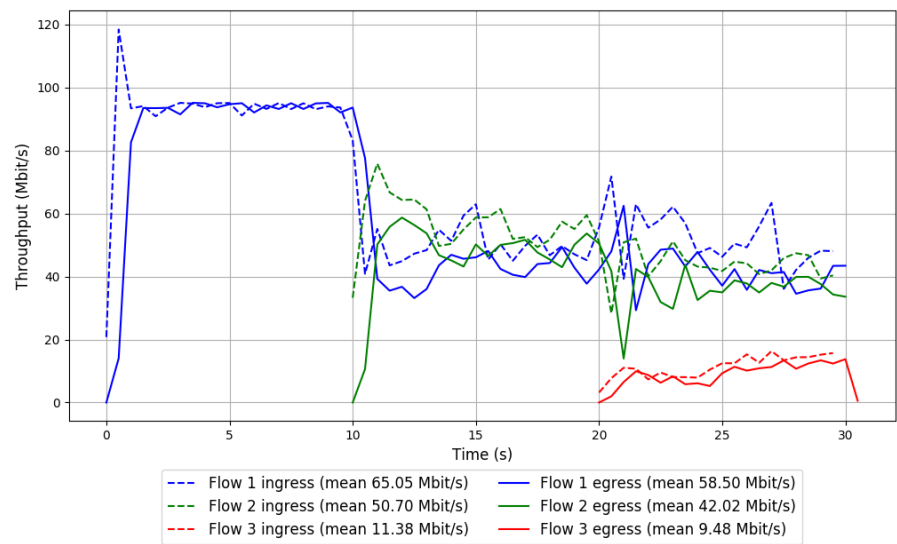


Run 3: Statistics of FillP-Sheep

Start at: 2018-11-30 08:00:58
End at: 2018-11-30 08:01:28
Local clock offset: 0.393 ms
Remote clock offset: -2.889 ms

Below is generated by plot.py at 2018-11-30 09:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 66.467 ms
Loss rate: 12.63%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 65.138 ms
Loss rate: 10.06%
-- Flow 2:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 67.956 ms
Loss rate: 17.13%
-- Flow 3:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 67.067 ms
Loss rate: 16.69%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-11-30 08:23:50

End at: 2018-11-30 08:24:21

Local clock offset: 0.279 ms

Remote clock offset: -2.37 ms

Below is generated by plot.py at 2018-11-30 09:13:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 66.681 ms

Loss rate: 12.66%

-- Flow 1:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 65.032 ms

Loss rate: 9.46%

-- Flow 2:

Average throughput: 39.00 Mbit/s

95th percentile per-packet one-way delay: 68.353 ms

Loss rate: 17.56%

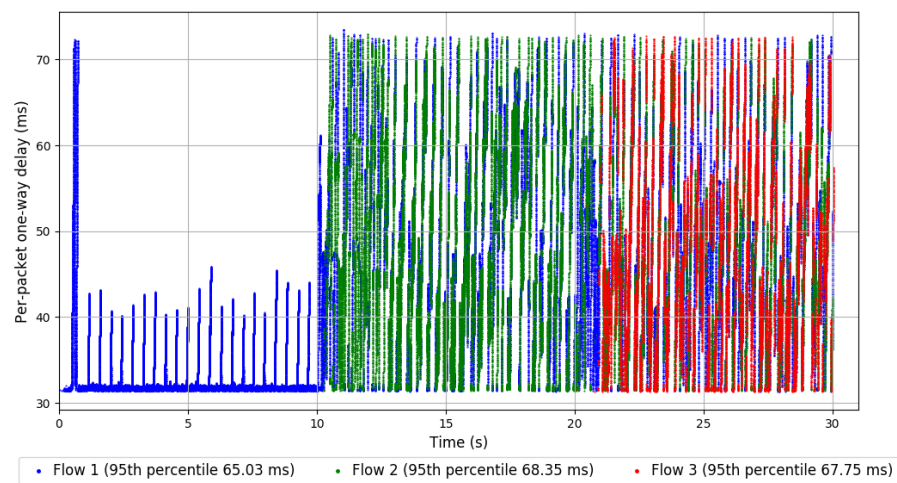
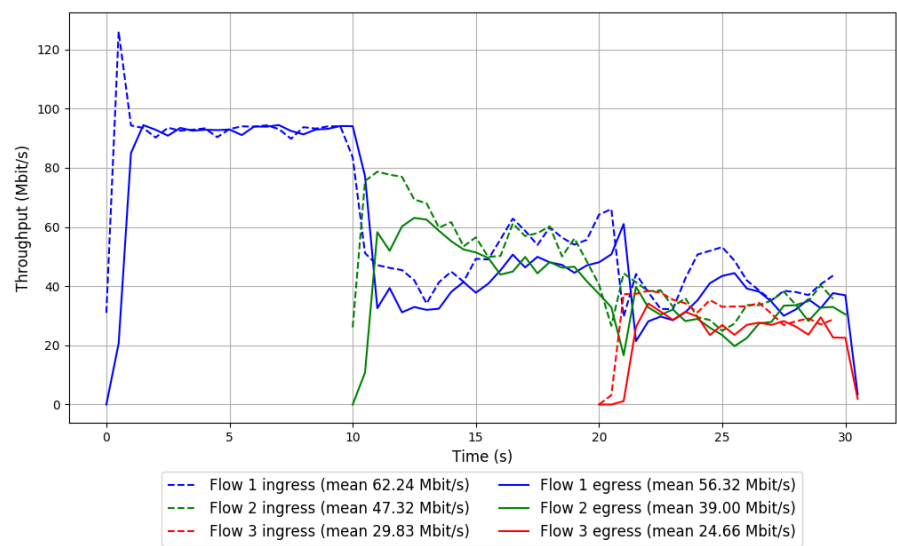
-- Flow 3:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 67.752 ms

Loss rate: 17.14%

Run 4: Report of FillP-Sheep — Data Link

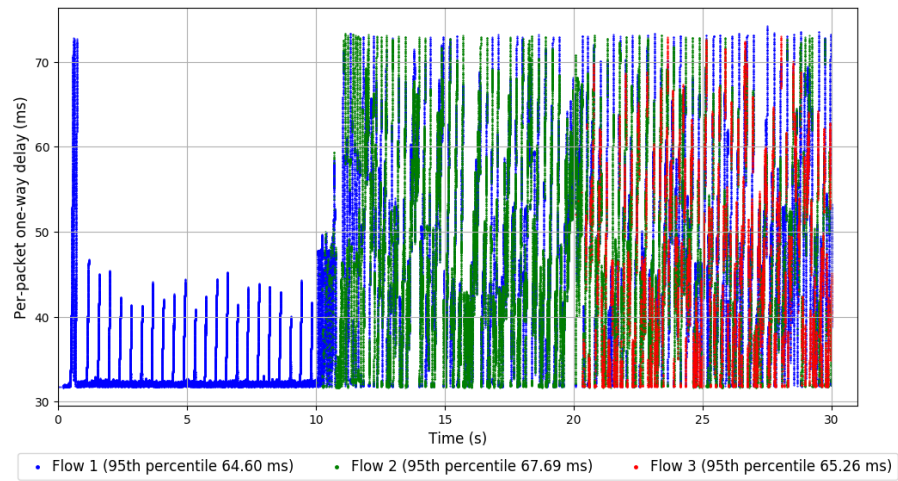
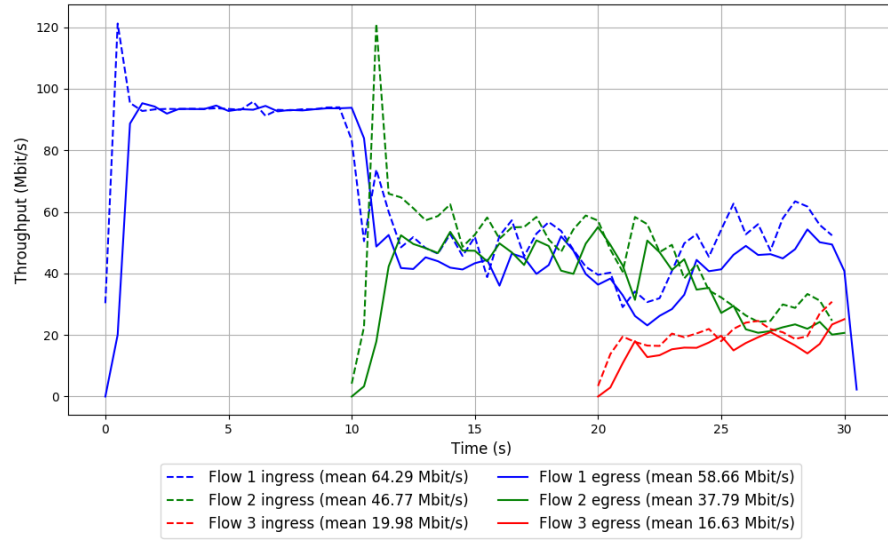


Run 5: Statistics of FillP-Sheep

Start at: 2018-11-30 08:46:43
End at: 2018-11-30 08:47:13
Local clock offset: 0.433 ms
Remote clock offset: -2.045 ms

Below is generated by plot.py at 2018-11-30 09:13:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 65.982 ms
Loss rate: 12.43%
-- Flow 1:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 64.596 ms
Loss rate: 8.71%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 67.689 ms
Loss rate: 19.18%
-- Flow 3:
Average throughput: 16.63 Mbit/s
95th percentile per-packet one-way delay: 65.257 ms
Loss rate: 16.90%

Run 5: Report of FillP-Sheep — Data Link

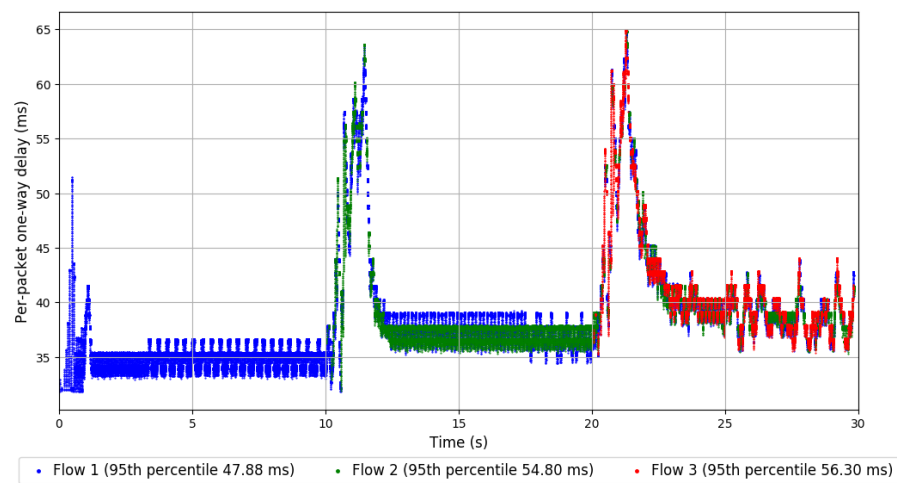
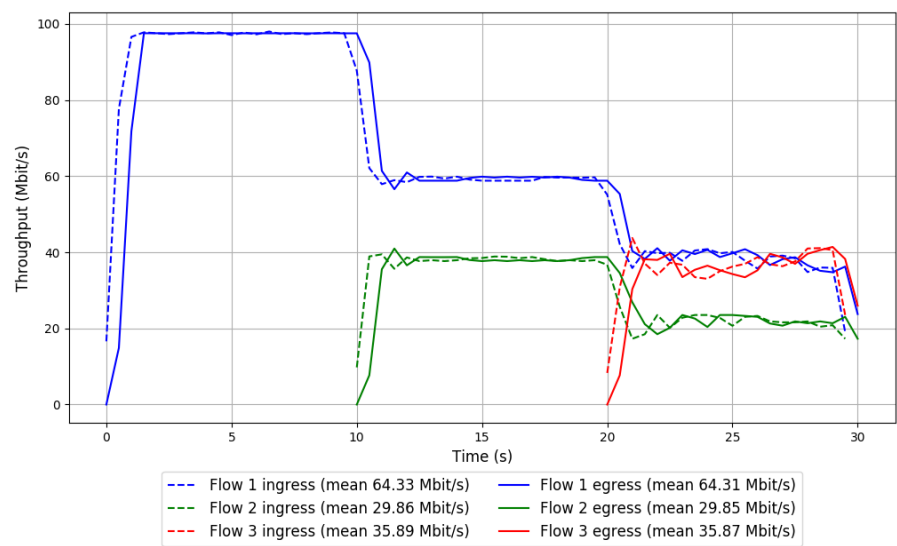


Run 1: Statistics of Indigo

Start at: 2018-11-30 07:26:06
End at: 2018-11-30 07:26:36
Local clock offset: 0.311 ms
Remote clock offset: -3.199 ms

Below is generated by plot.py at 2018-11-30 09:13:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 52.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.31 Mbit/s
95th percentile per-packet one-way delay: 47.880 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 54.795 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 56.299 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

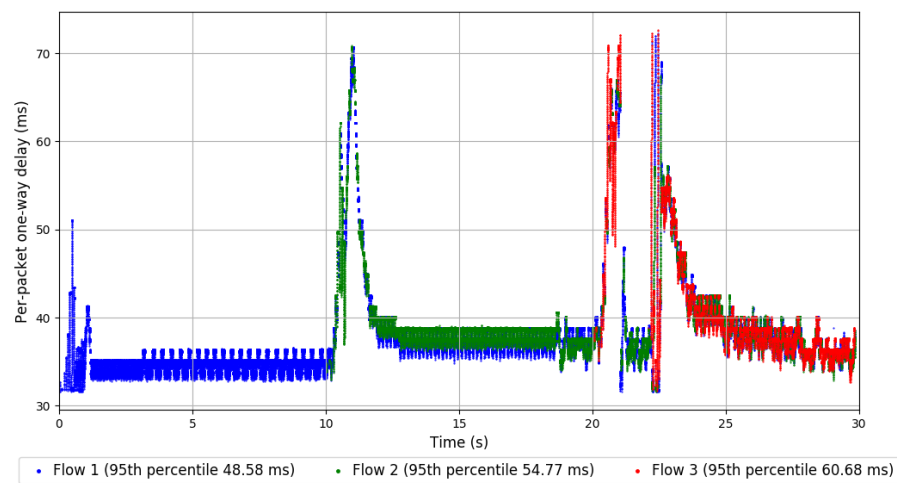
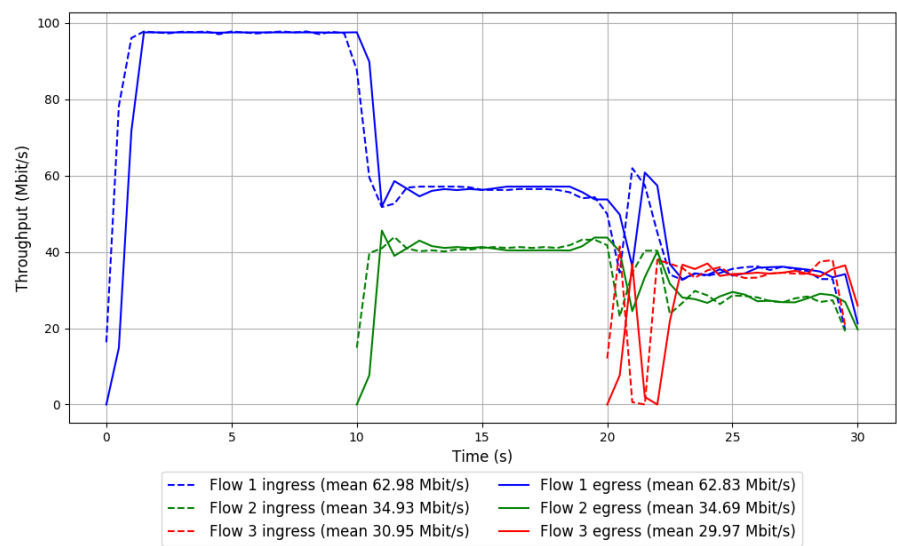


Run 2: Statistics of Indigo

Start at: 2018-11-30 07:48:54
End at: 2018-11-30 07:49:24
Local clock offset: 0.327 ms
Remote clock offset: -3.387 ms

Below is generated by plot.py at 2018-11-30 09:13:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 52.494 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 62.83 Mbit/s
95th percentile per-packet one-way delay: 48.581 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 54.775 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 60.676 ms
Loss rate: 3.15%

Run 2: Report of Indigo — Data Link

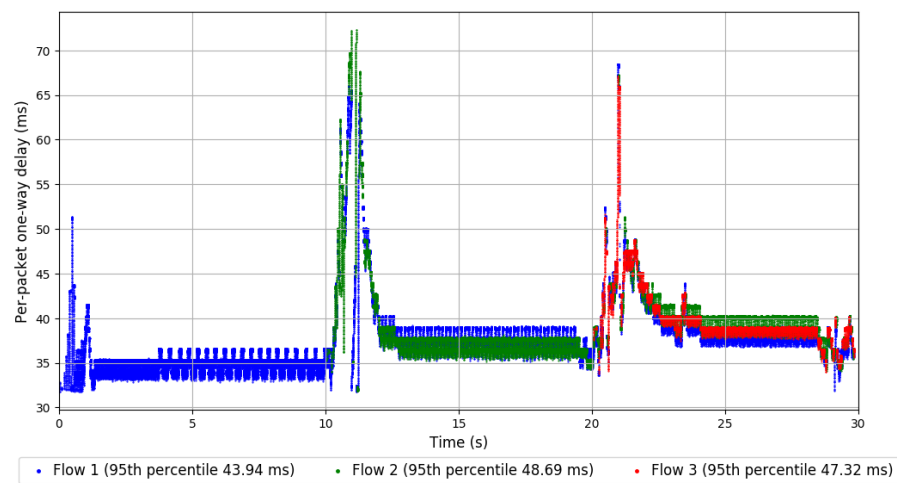
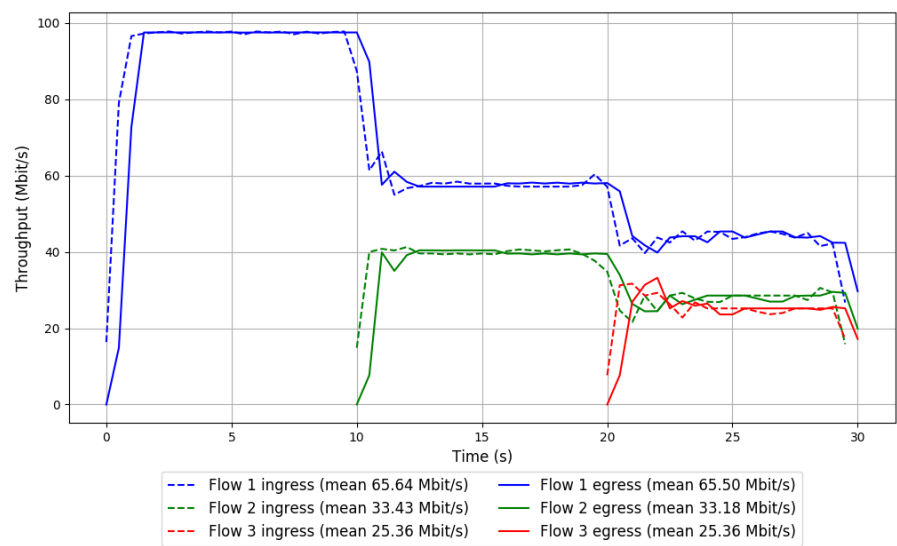


Run 3: Statistics of Indigo

Start at: 2018-11-30 08:11:42
End at: 2018-11-30 08:12:12
Local clock offset: 0.408 ms
Remote clock offset: -2.504 ms

Below is generated by plot.py at 2018-11-30 09:13:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 46.199 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 65.50 Mbit/s
95th percentile per-packet one-way delay: 43.943 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 48.691 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 47.318 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

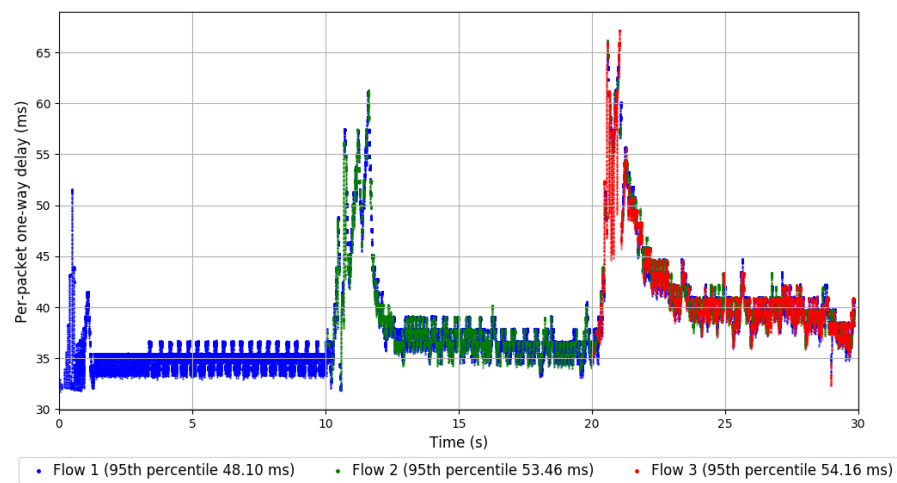
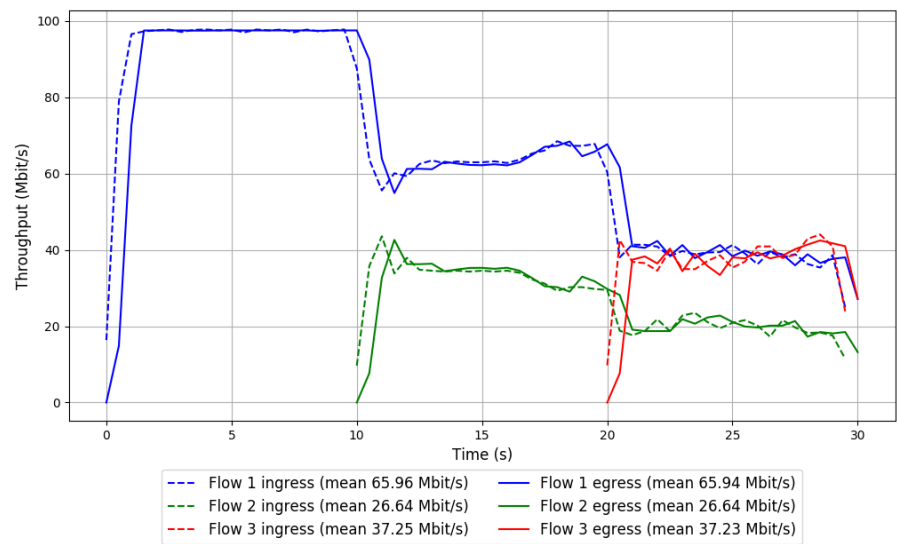


Run 4: Statistics of Indigo

Start at: 2018-11-30 08:34:31
End at: 2018-11-30 08:35:01
Local clock offset: 0.212 ms
Remote clock offset: -1.986 ms

Below is generated by plot.py at 2018-11-30 09:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 50.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 48.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 53.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 54.156 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

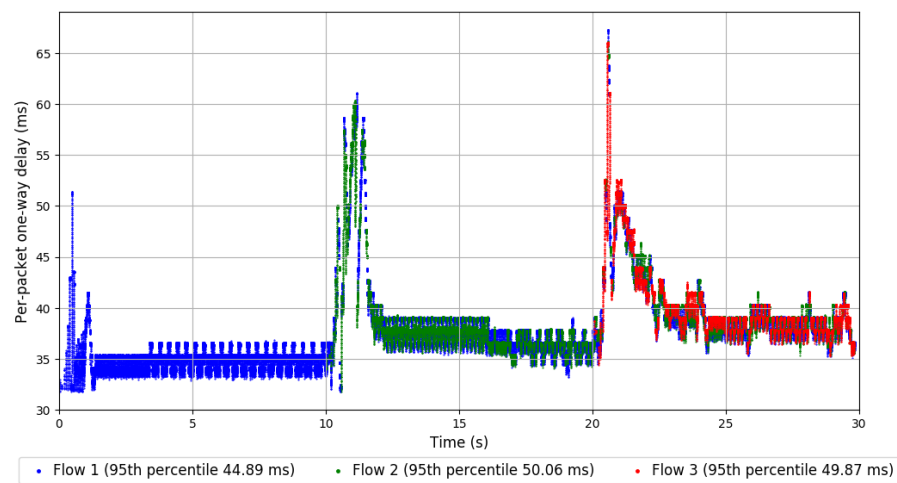
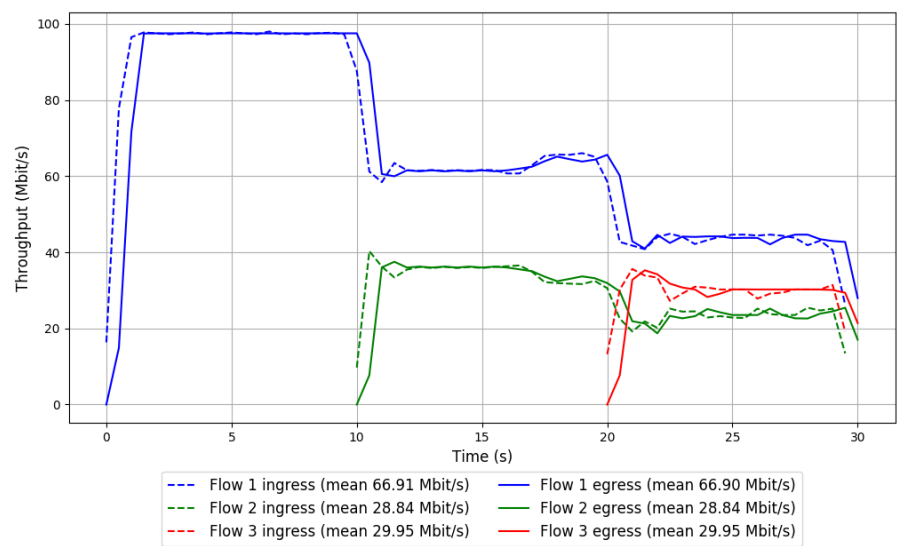


Run 5: Statistics of Indigo

Start at: 2018-11-30 08:57:29
End at: 2018-11-30 08:57:59
Local clock offset: 1.32 ms
Remote clock offset: -2.233 ms

Below is generated by plot.py at 2018-11-30 09:14:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 47.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 44.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.84 Mbit/s
95th percentile per-packet one-way delay: 50.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 49.871 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

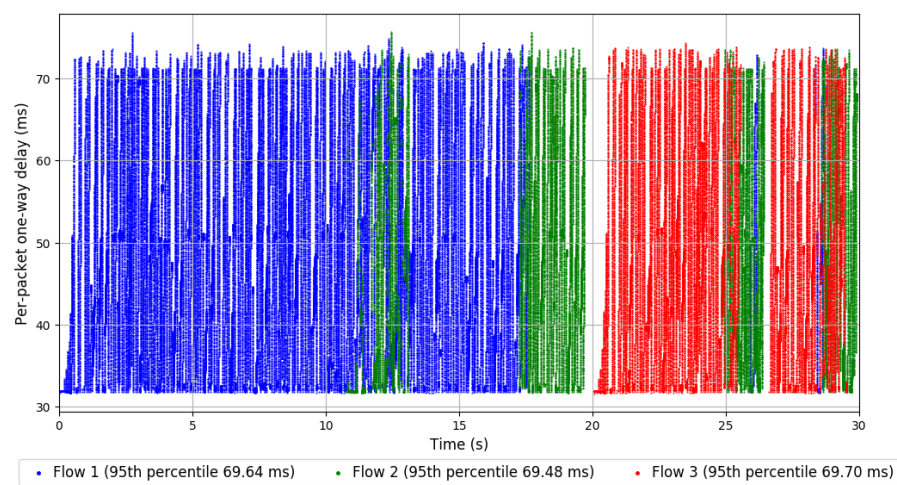
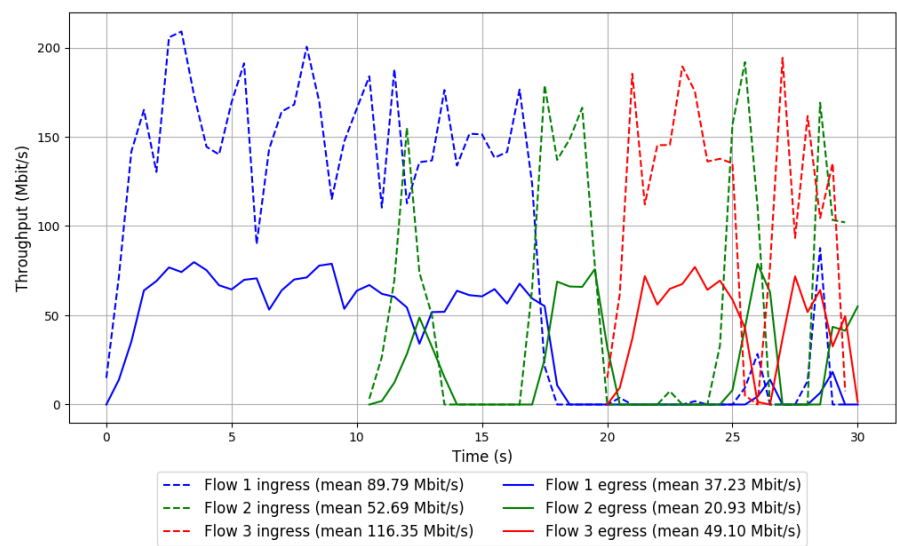


Run 1: Statistics of Indigo-96d2da3

Start at: 2018-11-30 07:27:20
End at: 2018-11-30 07:27:50
Local clock offset: 0.301 ms
Remote clock offset: -3.324 ms

Below is generated by plot.py at 2018-11-30 09:14:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.15 Mbit/s
95th percentile per-packet one-way delay: 69.606 ms
Loss rate: 58.80%
-- Flow 1:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 69.635 ms
Loss rate: 58.53%
-- Flow 2:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 69.477 ms
Loss rate: 60.25%
-- Flow 3:
Average throughput: 49.10 Mbit/s
95th percentile per-packet one-way delay: 69.697 ms
Loss rate: 58.11%

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

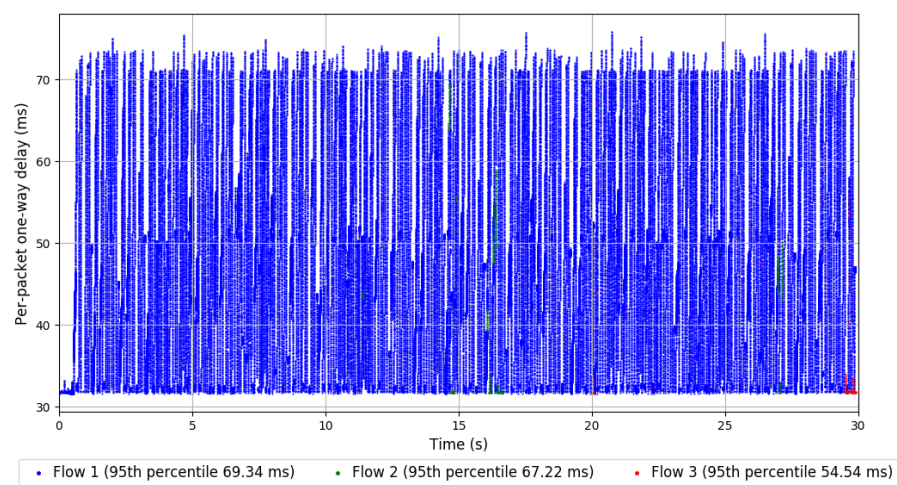
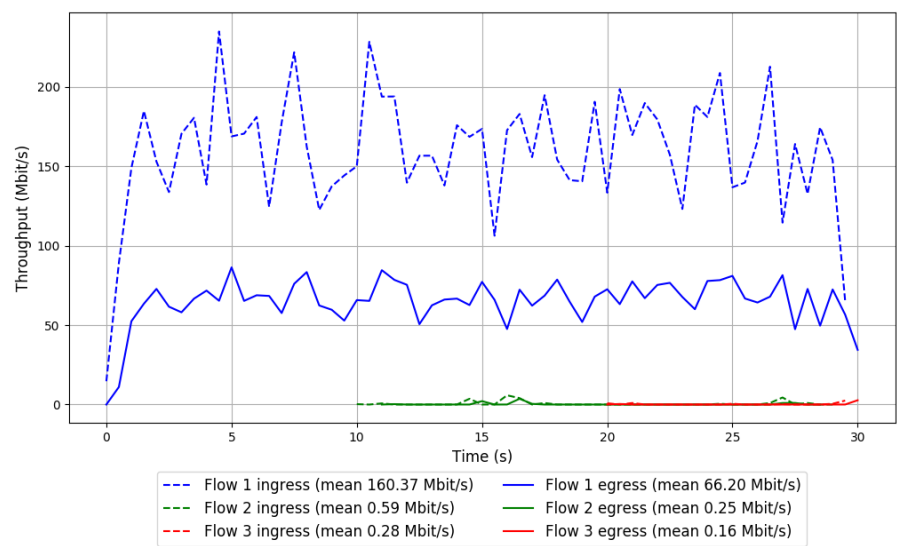


Run 2: Statistics of Indigo-96d2da3

Start at: 2018-11-30 07:50:09
End at: 2018-11-30 07:50:39
Local clock offset: 0.334 ms
Remote clock offset: -3.326 ms

Below is generated by plot.py at 2018-11-30 09:14:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.33 Mbit/s
95th percentile per-packet one-way delay: 69.335 ms
Loss rate: 58.70%
-- Flow 1:
Average throughput: 66.20 Mbit/s
95th percentile per-packet one-way delay: 69.338 ms
Loss rate: 58.70%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 67.220 ms
Loss rate: 61.84%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 54.537 ms
Loss rate: 42.49%

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

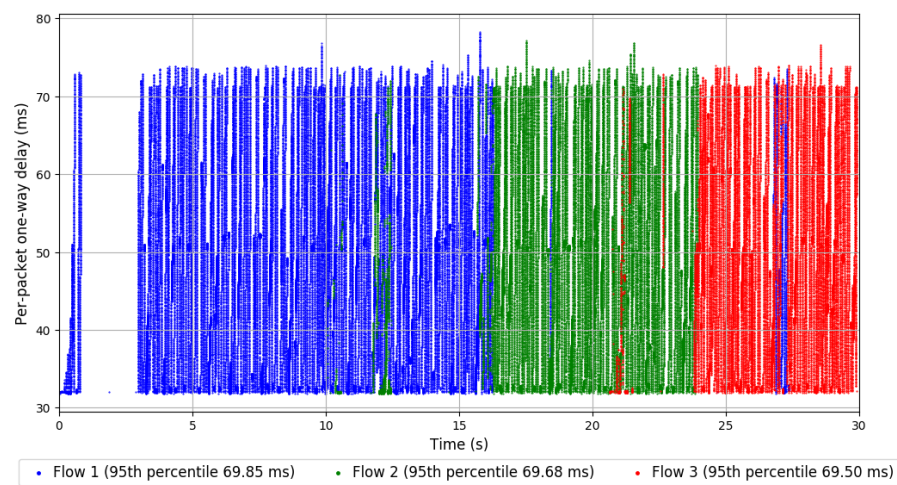
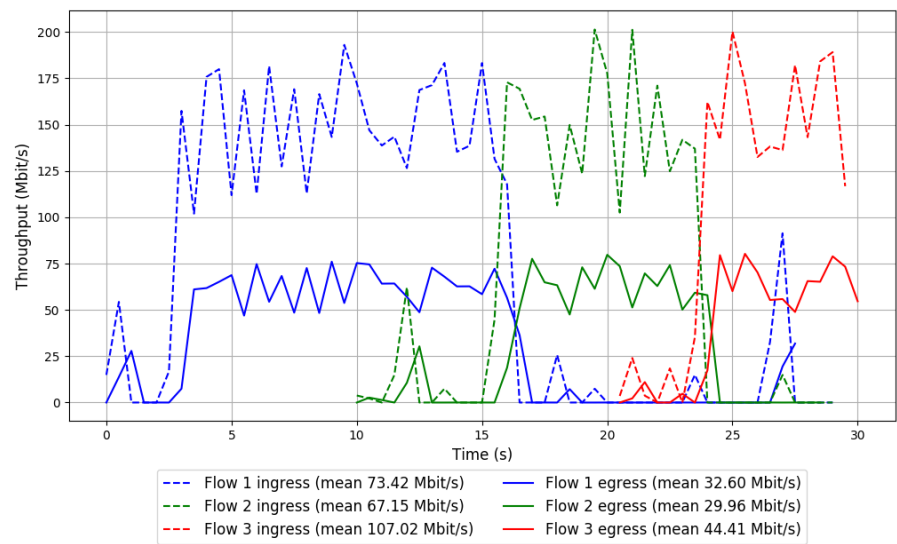


Run 3: Statistics of Indigo-96d2da3

Start at: 2018-11-30 08:12:58
End at: 2018-11-30 08:13:28
Local clock offset: 0.401 ms
Remote clock offset: -2.362 ms

Below is generated by plot.py at 2018-11-30 09:14:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 69.721 ms
Loss rate: 58.40%
-- Flow 1:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 69.852 ms
Loss rate: 58.73%
-- Flow 2:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 69.684 ms
Loss rate: 57.75%
-- Flow 3:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 69.504 ms
Loss rate: 58.50%

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

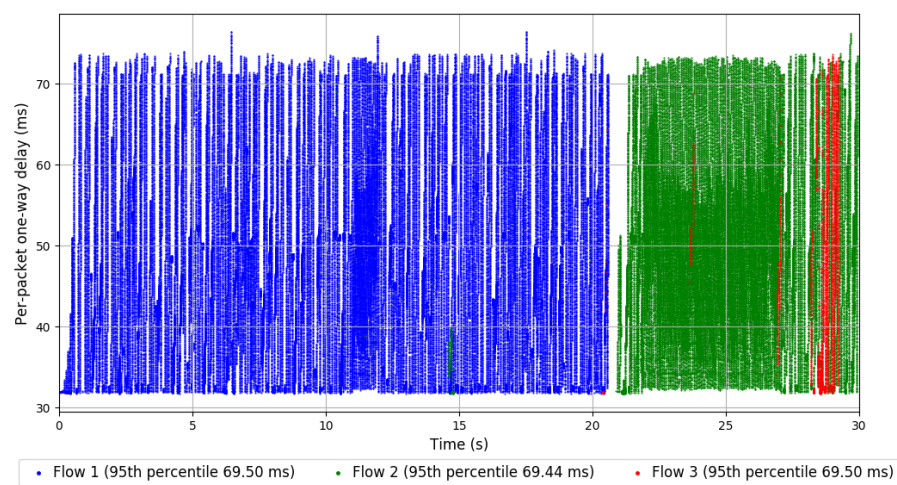
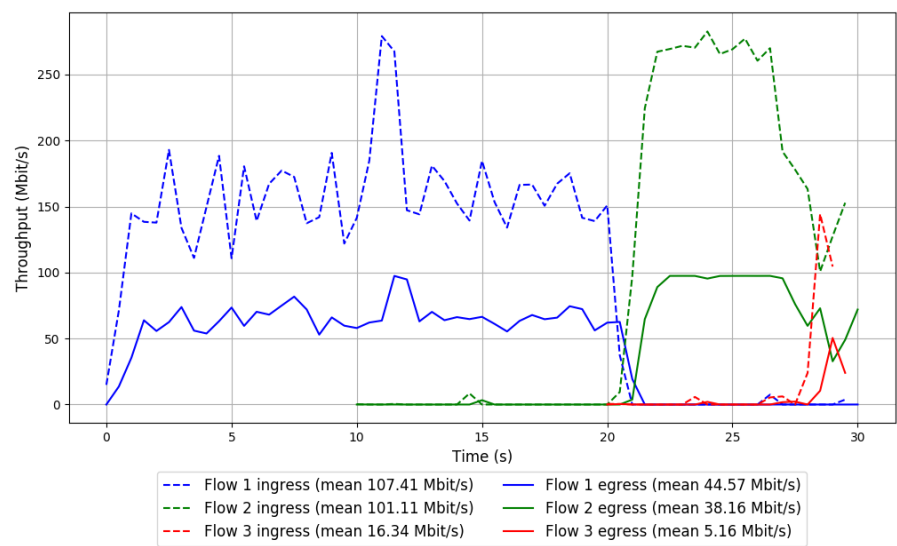


Run 4: Statistics of Indigo-96d2da3

Start at: 2018-11-30 08:35:45
End at: 2018-11-30 08:36:15
Local clock offset: 0.211 ms
Remote clock offset: -2.023 ms

Below is generated by plot.py at 2018-11-30 09:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.85 Mbit/s
95th percentile per-packet one-way delay: 69.482 ms
Loss rate: 60.23%
-- Flow 1:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 69.496 ms
Loss rate: 58.60%
-- Flow 2:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 69.437 ms
Loss rate: 62.26%
-- Flow 3:
Average throughput: 5.16 Mbit/s
95th percentile per-packet one-way delay: 69.503 ms
Loss rate: 68.61%

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

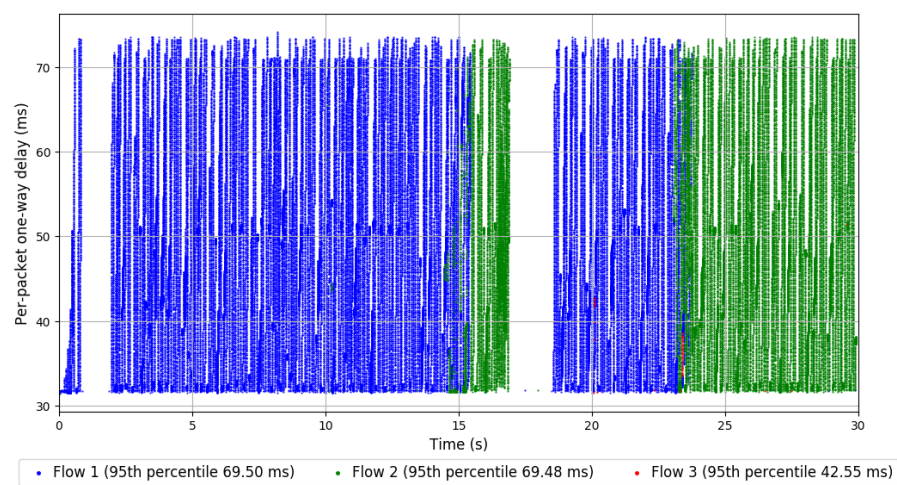
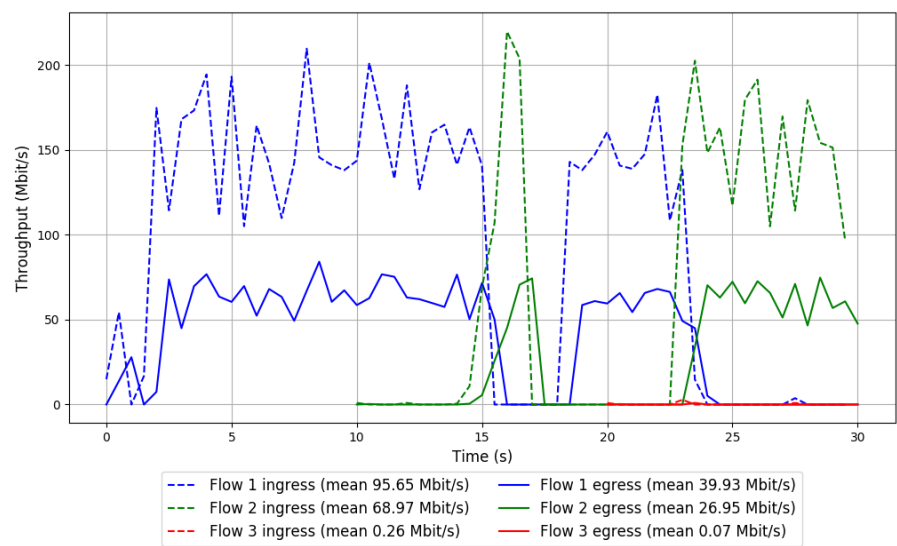


Run 5: Statistics of Indigo-96d2da3

Start at: 2018-11-30 08:58:43
End at: 2018-11-30 08:59:13
Local clock offset: 1.372 ms
Remote clock offset: -2.492 ms

Below is generated by plot.py at 2018-11-30 09:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 69.493 ms
Loss rate: 59.14%
-- Flow 1:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 69.499 ms
Loss rate: 58.25%
-- Flow 2:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 69.482 ms
Loss rate: 60.97%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 42.553 ms
Loss rate: 72.58%

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

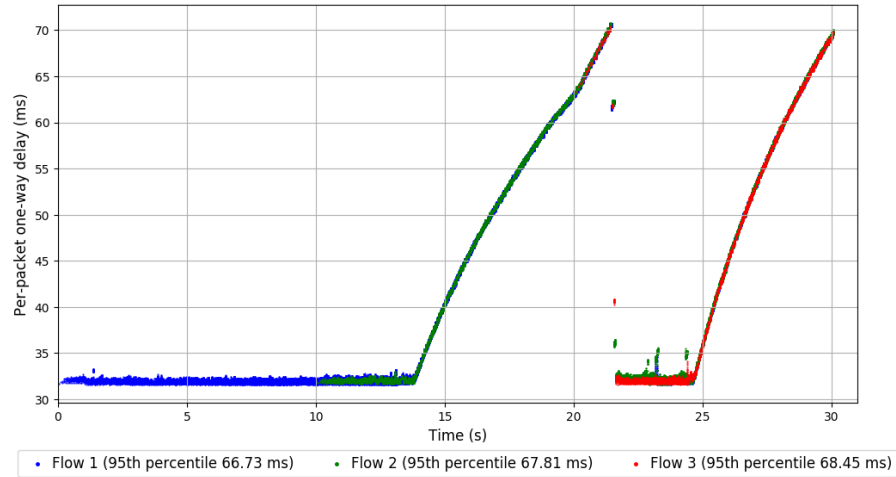
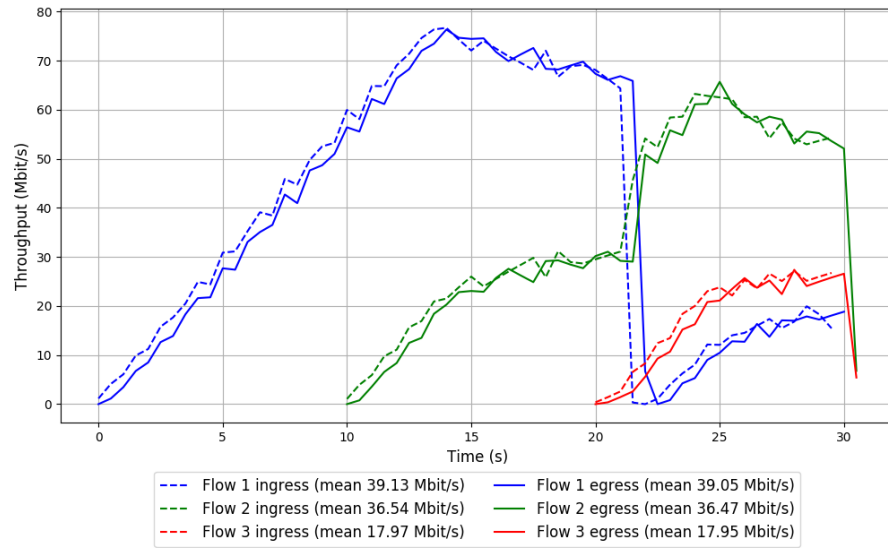


```
Run 1: Statistics of LEDBAT

Start at: 2018-11-30 07:30:54
End at: 2018-11-30 07:31:24
Local clock offset: 0.314 ms
Remote clock offset: -3.53 ms

# Below is generated by plot.py at 2018-11-30 09:14:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.22 Mbit/s
95th percentile per-packet one-way delay: 67.486 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 66.732 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 67.805 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 68.450 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

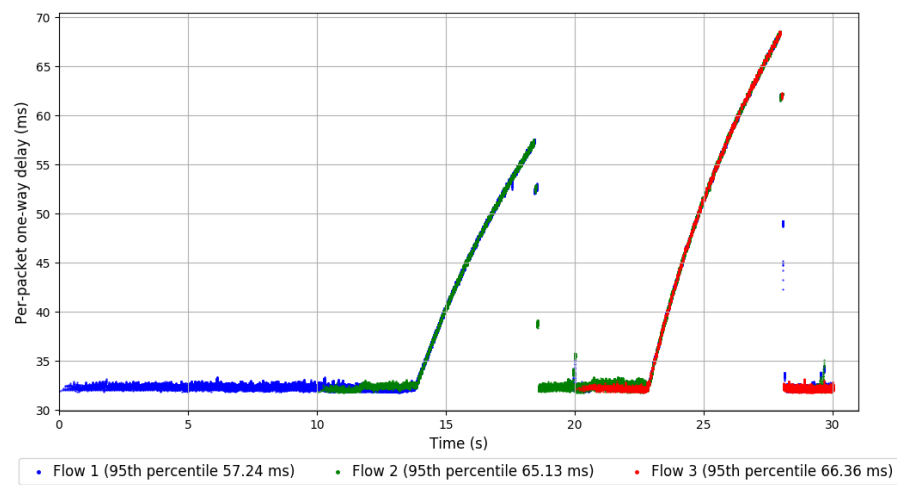
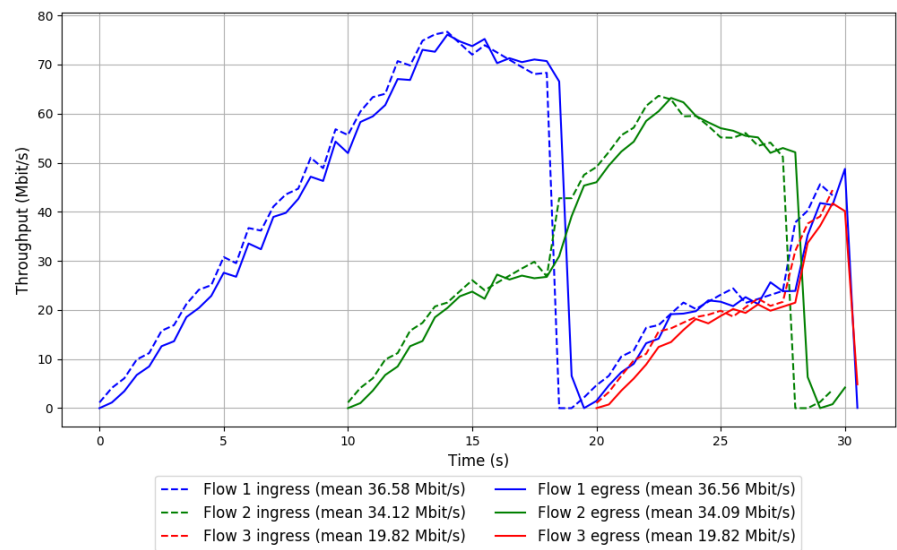


Run 2: Statistics of LEDBAT

Start at: 2018-11-30 07:53:43
End at: 2018-11-30 07:54:13
Local clock offset: 0.374 ms
Remote clock offset: -3.026 ms

Below is generated by plot.py at 2018-11-30 09:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.79 Mbit/s
95th percentile per-packet one-way delay: 63.388 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 57.240 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 65.129 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 66.360 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

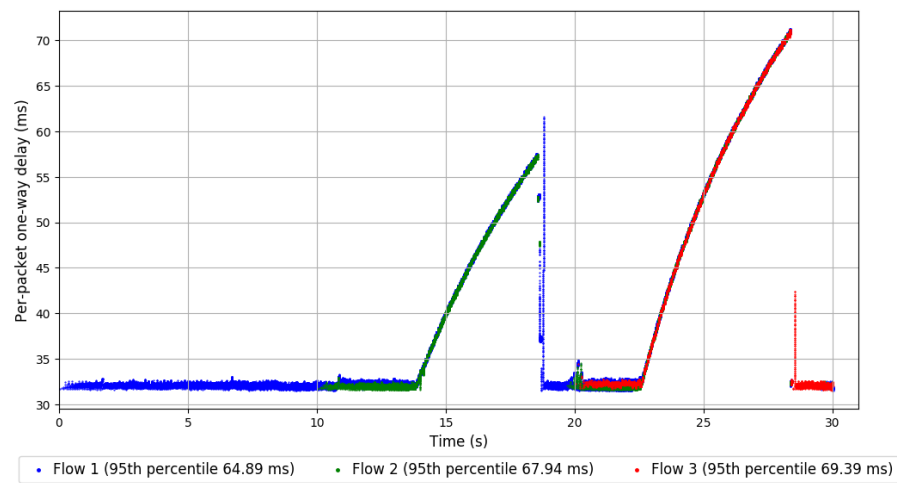
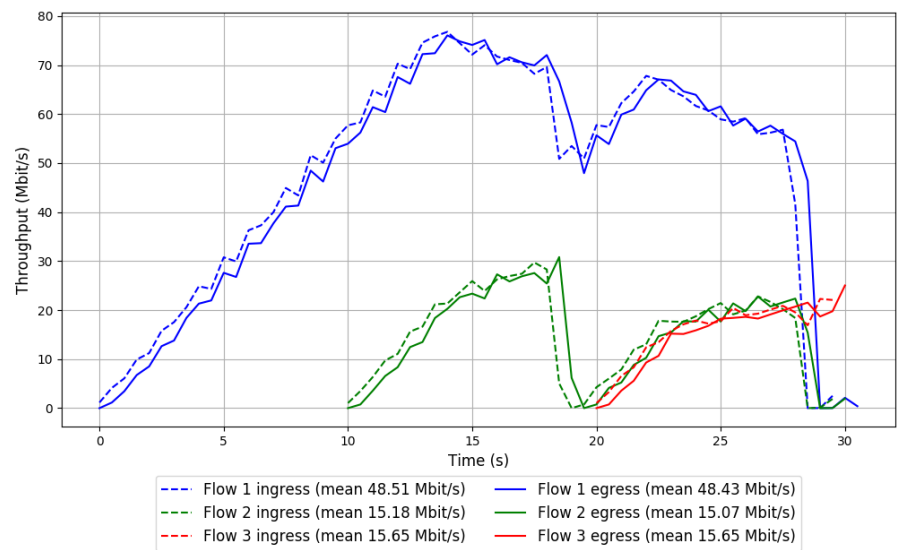


Run 3: Statistics of LEDBAT

Start at: 2018-11-30 08:16:33
End at: 2018-11-30 08:17:03
Local clock offset: 0.386 ms
Remote clock offset: -2.521 ms

Below is generated by plot.py at 2018-11-30 09:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.63 Mbit/s
95th percentile per-packet one-way delay: 66.537 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 64.886 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 67.936 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 69.395 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

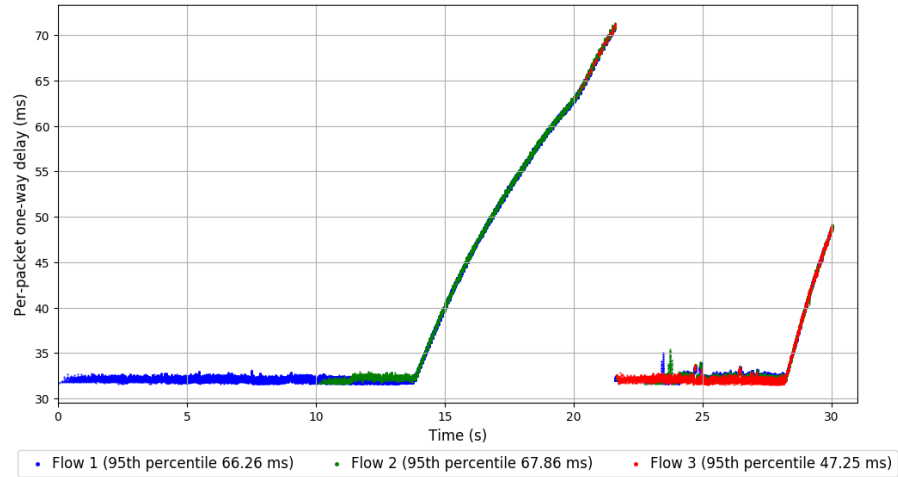
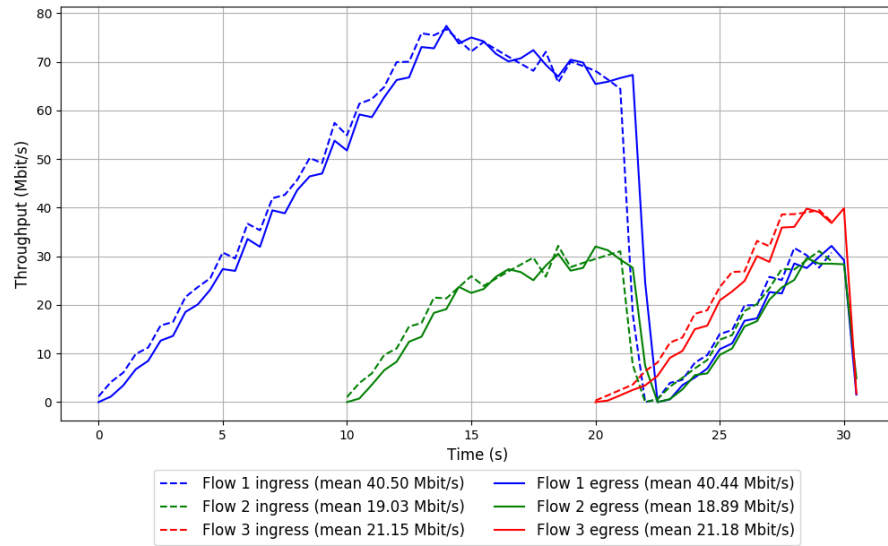


Run 4: Statistics of LEDBAT

Start at: 2018-11-30 08:39:19
End at: 2018-11-30 08:39:49
Local clock offset: 0.194 ms
Remote clock offset: -2.116 ms

Below is generated by plot.py at 2018-11-30 09:14:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.03 Mbit/s
95th percentile per-packet one-way delay: 66.285 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 66.257 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 67.862 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 47.250 ms
Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link

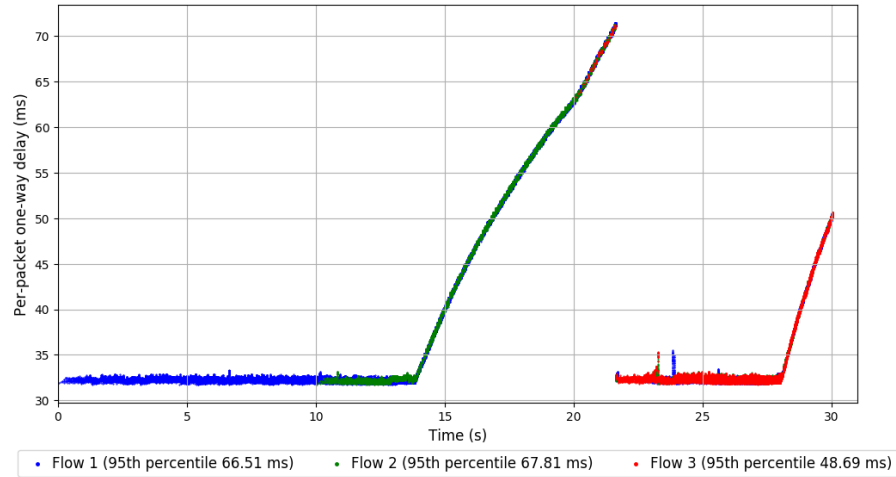
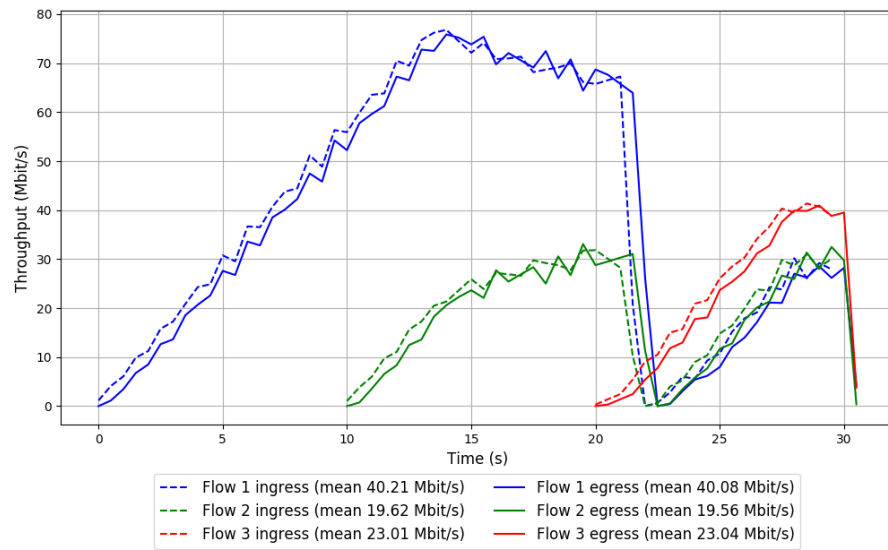


Run 5: Statistics of LEDBAT

Start at: 2018-11-30 09:02:17
End at: 2018-11-30 09:02:47
Local clock offset: 1.498 ms
Remote clock offset: -2.354 ms

Below is generated by plot.py at 2018-11-30 09:15:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.74 Mbit/s
95th percentile per-packet one-way delay: 66.469 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 66.513 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 67.809 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 48.689 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

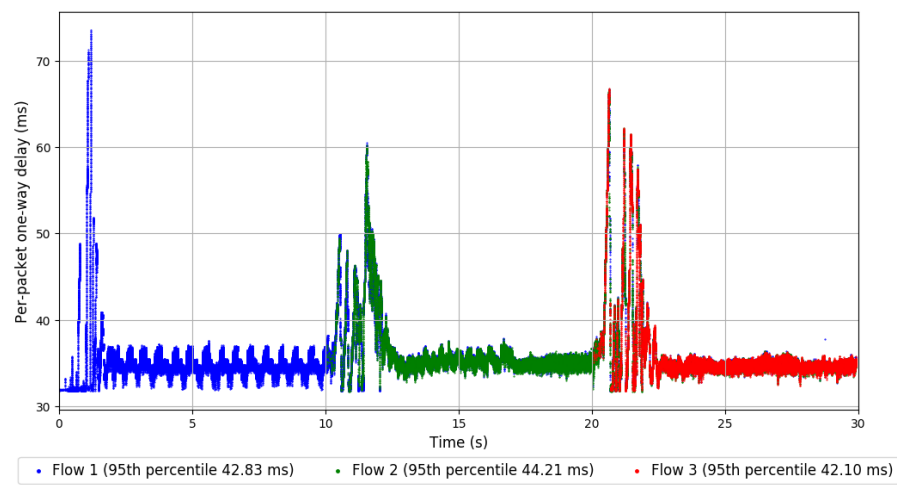
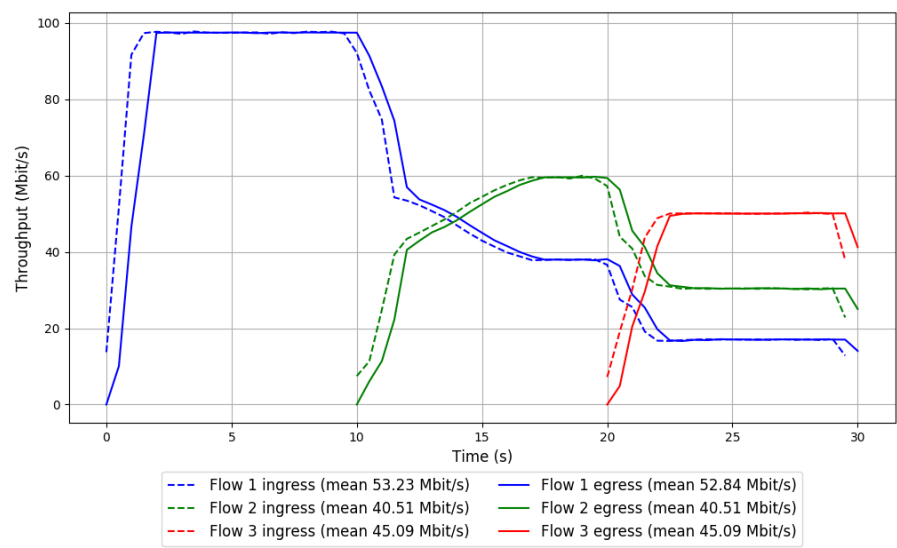


Run 1: Statistics of Indigo-Muses

Start at: 2018-11-30 07:20:09
End at: 2018-11-30 07:20:39
Local clock offset: 0.314 ms
Remote clock offset: -3.218 ms

Below is generated by plot.py at 2018-11-30 09:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 43.276 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 42.830 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 44.210 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.09 Mbit/s
95th percentile per-packet one-way delay: 42.098 ms
Loss rate: 0.00%

Run 1: Report of Indigo-Muses — Data Link

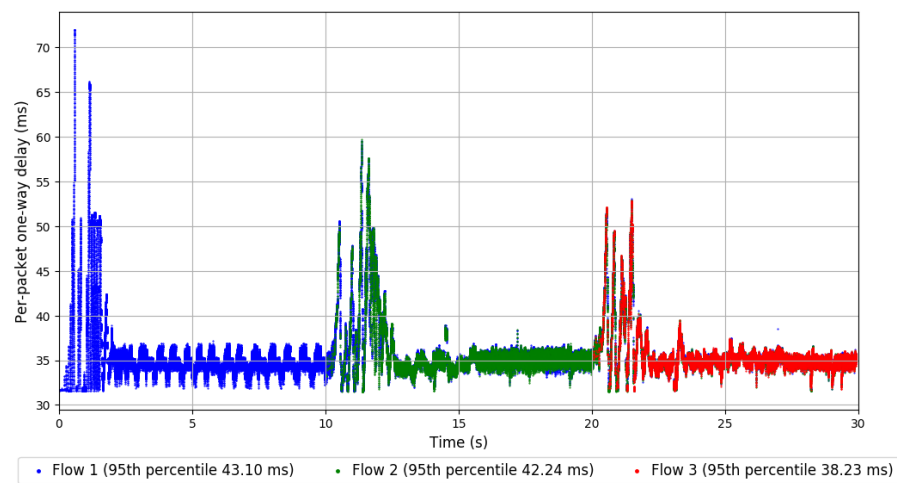
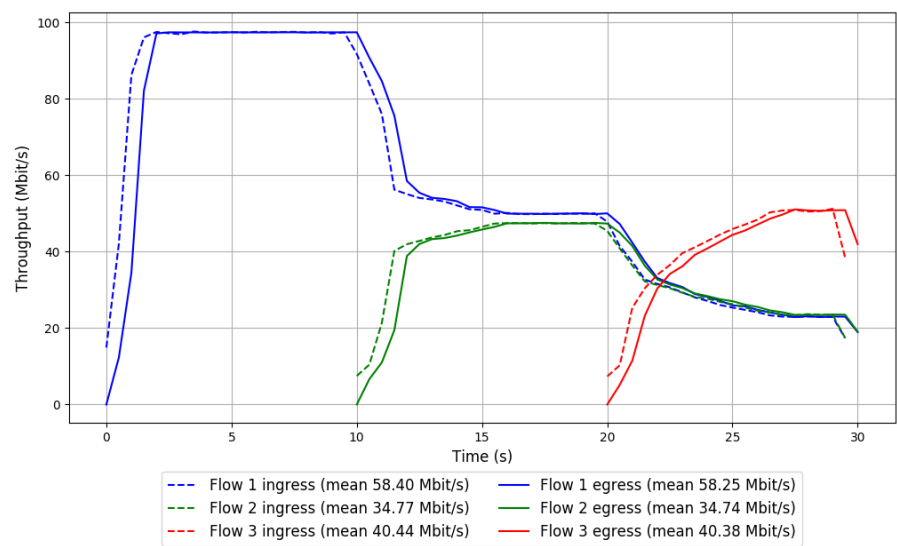


Run 2: Statistics of Indigo-Muses

Start at: 2018-11-30 07:42:53
End at: 2018-11-30 07:43:23
Local clock offset: 0.291 ms
Remote clock offset: -3.499 ms

Below is generated by plot.py at 2018-11-30 09:15:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 42.210 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 43.103 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 42.245 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 38.230 ms
Loss rate: 0.14%

Run 2: Report of Indigo-Muses — Data Link

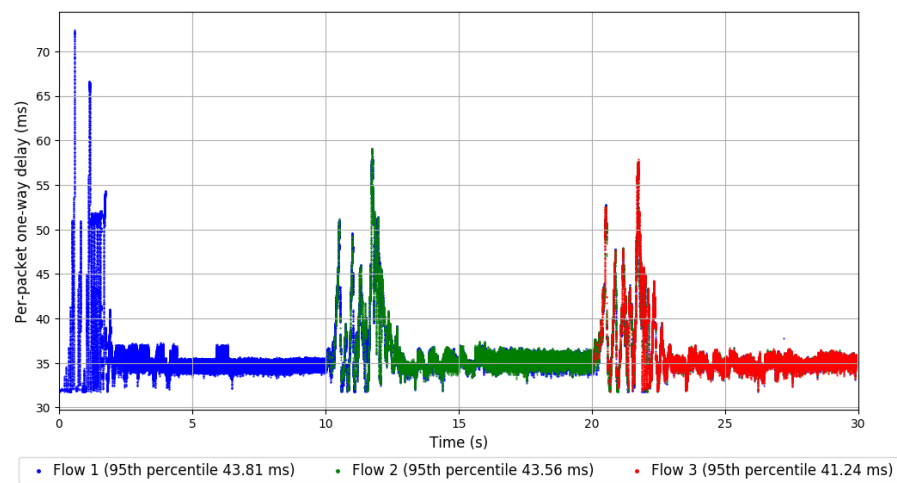
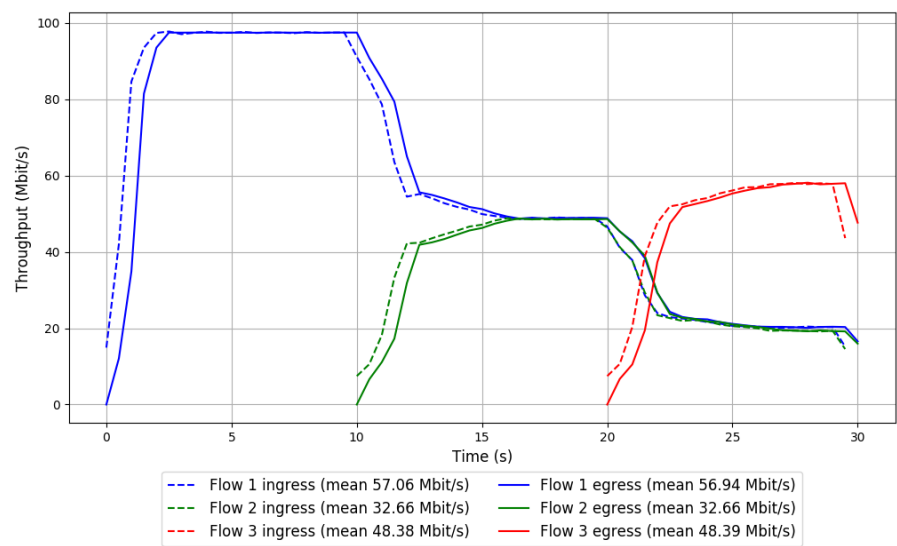


Run 3: Statistics of Indigo-Muses

Start at: 2018-11-30 08:05:40
End at: 2018-11-30 08:06:10
Local clock offset: 0.399 ms
Remote clock offset: -2.667 ms

```
# Below is generated by plot.py at 2018-11-30 09:15:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 43.272 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 43.811 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 43.556 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 41.244 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-Muses — Data Link

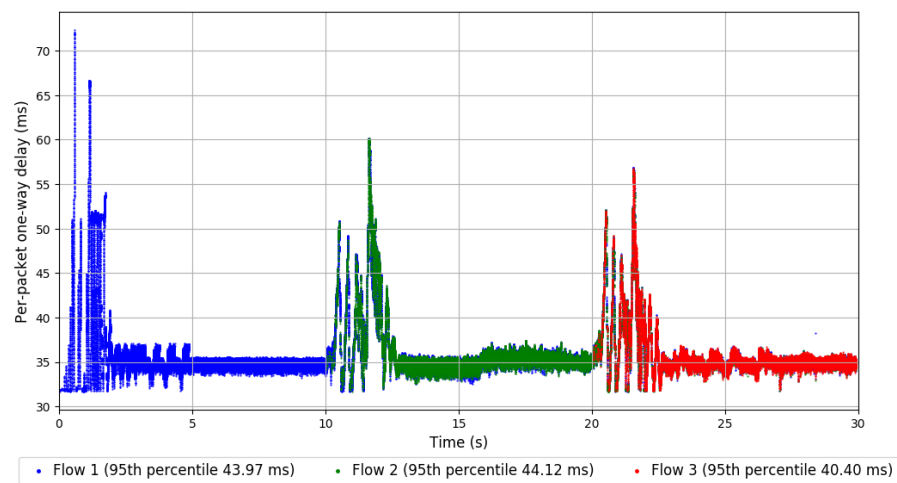
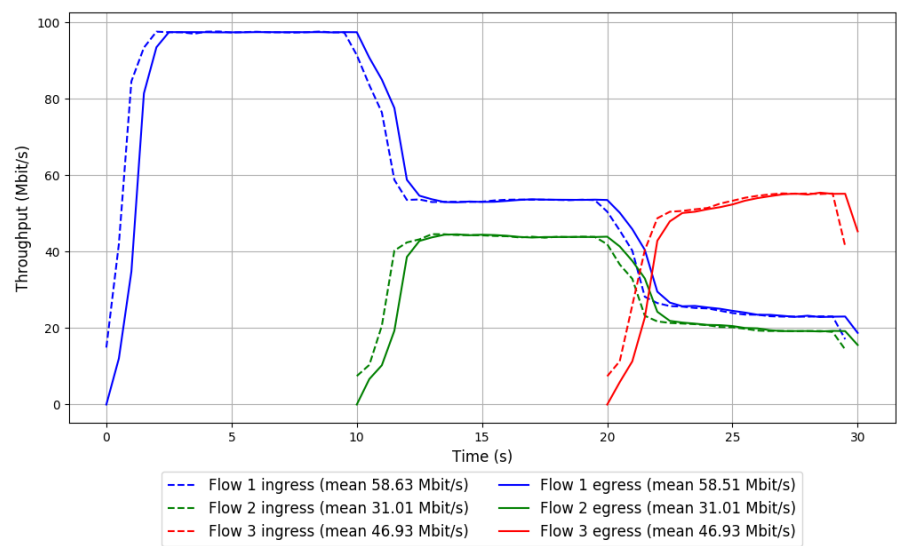


Run 4: Statistics of Indigo-Muses

Start at: 2018-11-30 08:28:33
End at: 2018-11-30 08:29:03
Local clock offset: 0.254 ms
Remote clock offset: -2.069 ms

```
# Below is generated by plot.py at 2018-11-30 09:15:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 43.327 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 43.971 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 44.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 40.401 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-Muses — Data Link

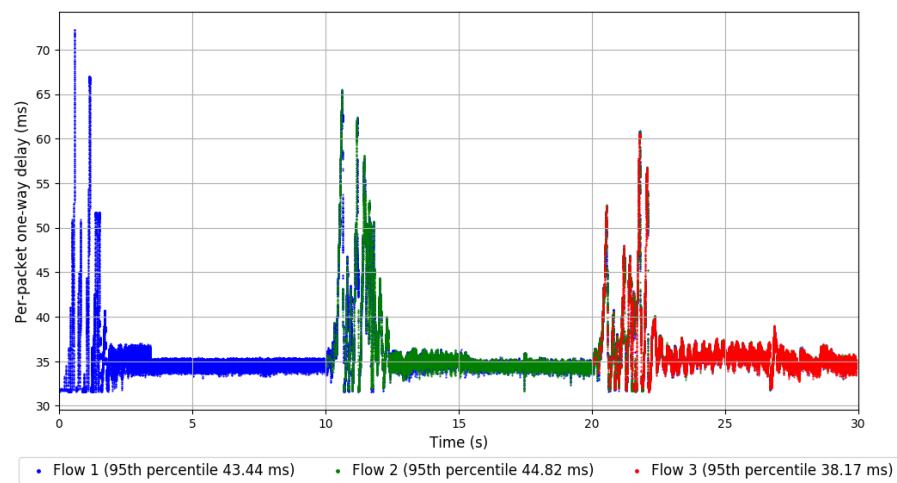
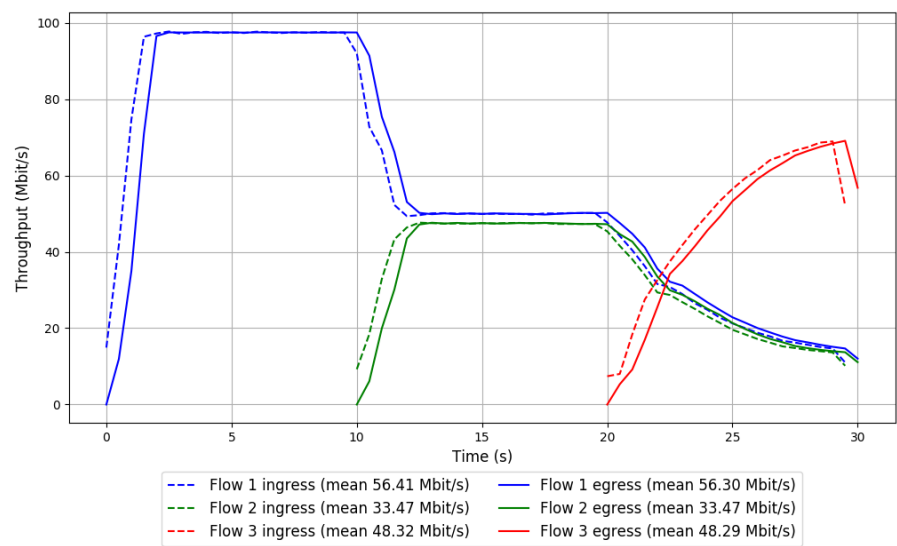


Run 5: Statistics of Indigo-Muses

Start at: 2018-11-30 08:51:23
End at: 2018-11-30 08:51:53
Local clock offset: 0.926 ms
Remote clock offset: -2.364 ms

Below is generated by plot.py at 2018-11-30 09:15:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 42.976 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 43.438 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 44.824 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 48.29 Mbit/s
95th percentile per-packet one-way delay: 38.167 ms
Loss rate: 0.05%

Run 5: Report of Indigo-Muses — Data Link

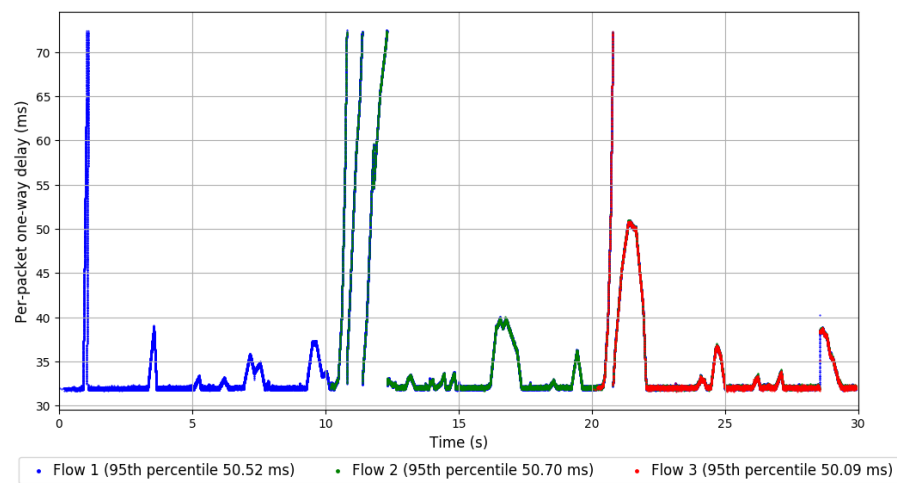
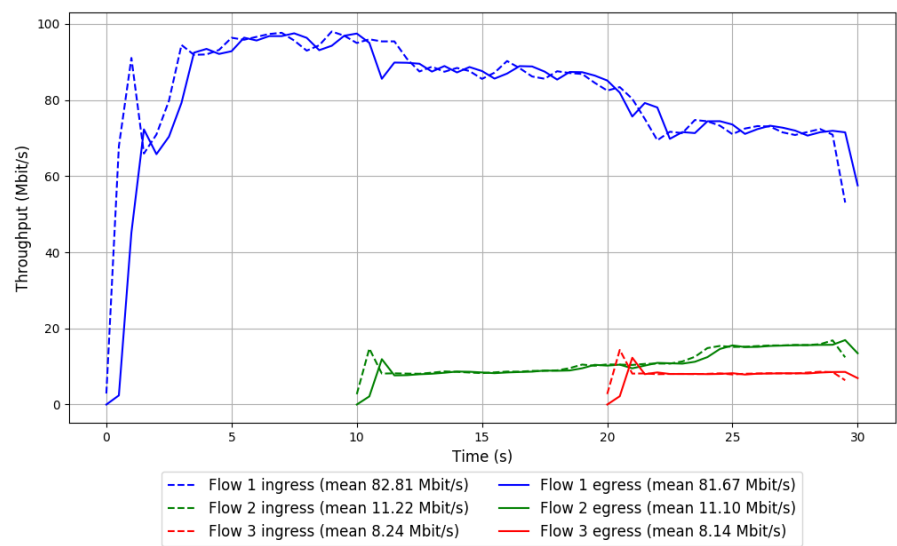


Run 1: Statistics of PCC-Allegro

Start at: 2018-11-30 07:32:06
End at: 2018-11-30 07:32:36
Local clock offset: 0.303 ms
Remote clock offset: -3.302 ms

Below is generated by plot.py at 2018-11-30 09:16:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 50.508 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 81.67 Mbit/s
95th percentile per-packet one-way delay: 50.515 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 50.094 ms
Loss rate: 1.21%

Run 1: Report of PCC-Allegro — Data Link

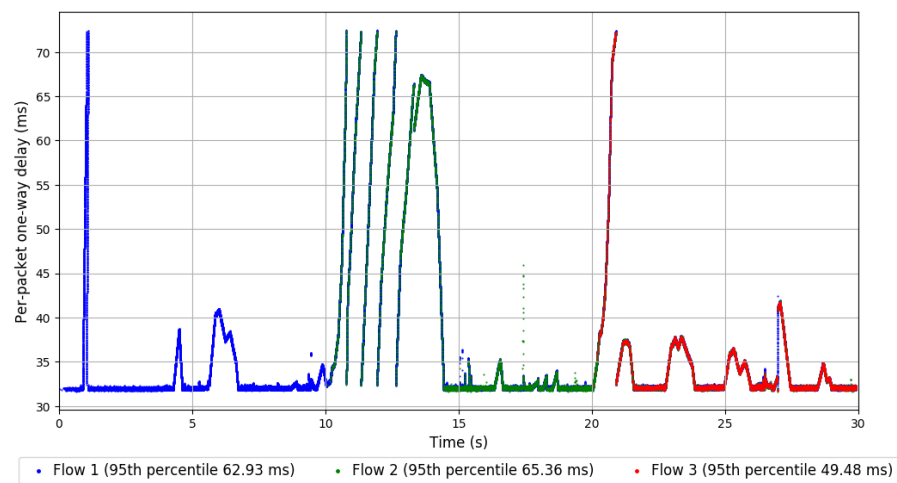
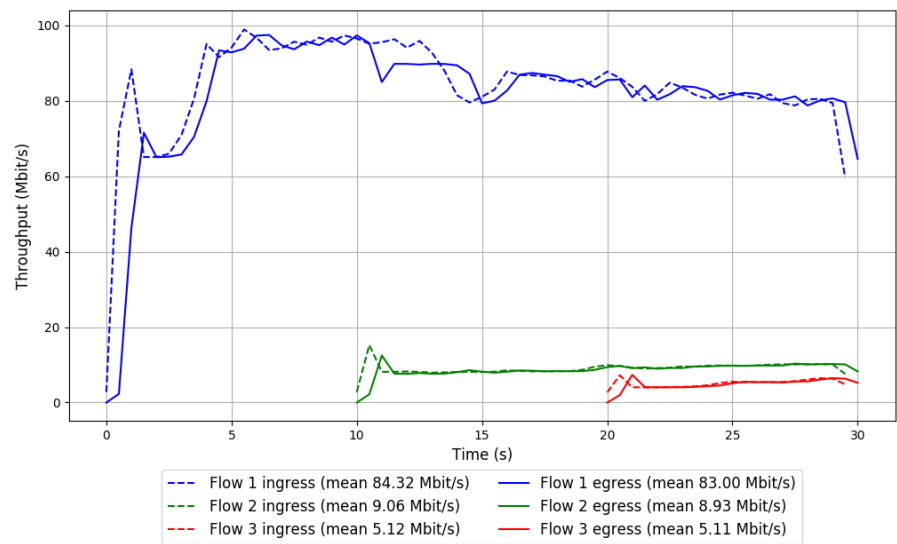


Run 2: Statistics of PCC-Allegro

Start at: 2018-11-30 07:54:55
End at: 2018-11-30 07:55:25
Local clock offset: 0.39 ms
Remote clock offset: -3.043 ms

Below is generated by plot.py at 2018-11-30 09:16:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.62 Mbit/s
95th percentile per-packet one-way delay: 63.043 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 62.931 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 65.356 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 5.11 Mbit/s
95th percentile per-packet one-way delay: 49.485 ms
Loss rate: 0.30%

Run 2: Report of PCC-Allegro — Data Link

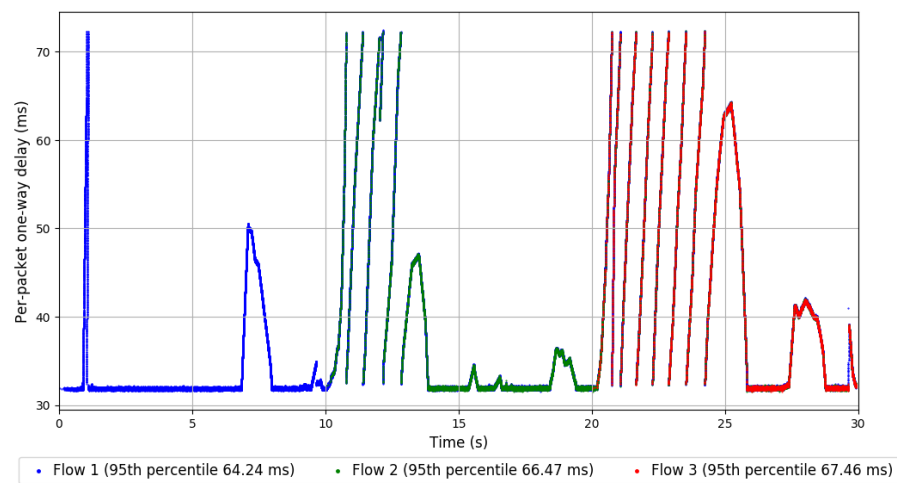
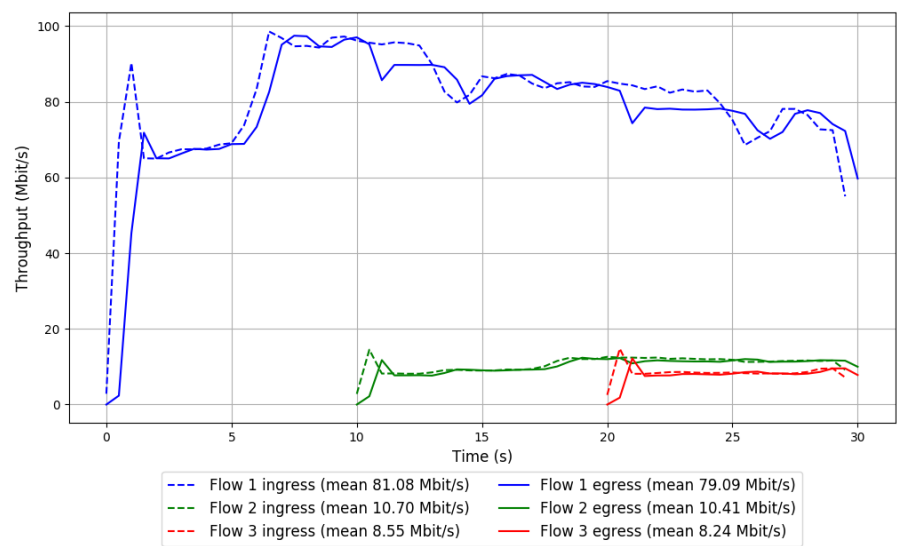


Run 3: Statistics of PCC-Allegro

Start at: 2018-11-30 08:17:45
End at: 2018-11-30 08:18:15
Local clock offset: 0.352 ms
Remote clock offset: -2.327 ms

Below is generated by plot.py at 2018-11-30 09:16:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 64.646 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 64.238 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 66.475 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 67.457 ms
Loss rate: 3.64%

Run 3: Report of PCC-Allegro — Data Link

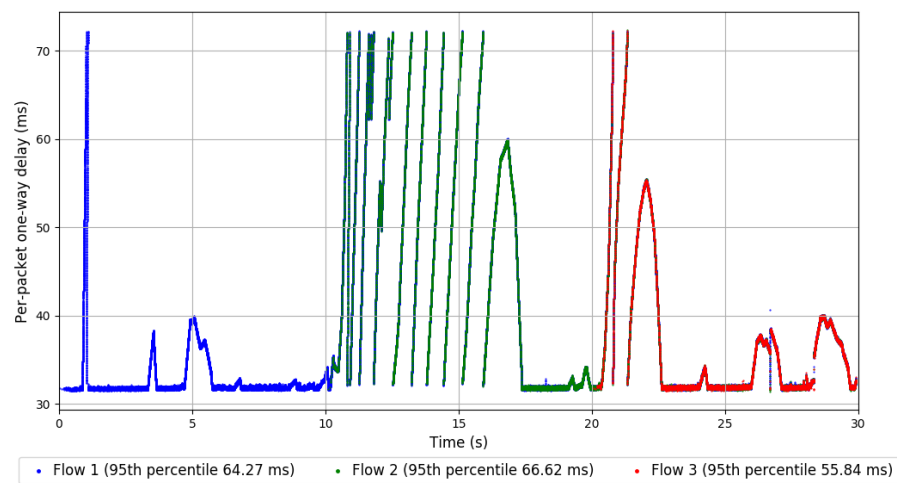
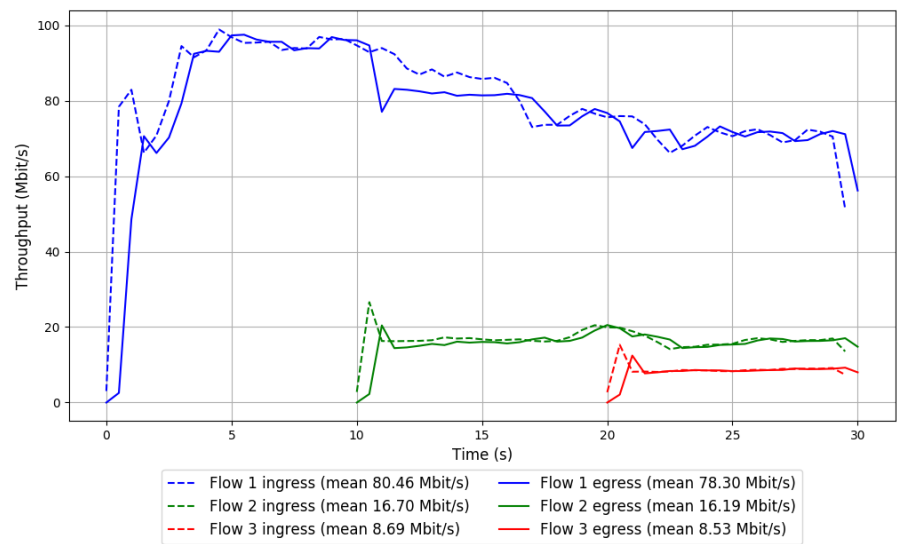


Run 4: Statistics of PCC-Allegro

Start at: 2018-11-30 08:40:31
End at: 2018-11-30 08:41:01
Local clock offset: 0.189 ms
Remote clock offset: -2.158 ms

Below is generated by plot.py at 2018-11-30 09:16:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 64.541 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 78.30 Mbit/s
95th percentile per-packet one-way delay: 64.271 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 16.19 Mbit/s
95th percentile per-packet one-way delay: 66.620 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 55.835 ms
Loss rate: 1.90%

Run 4: Report of PCC-Allegro — Data Link

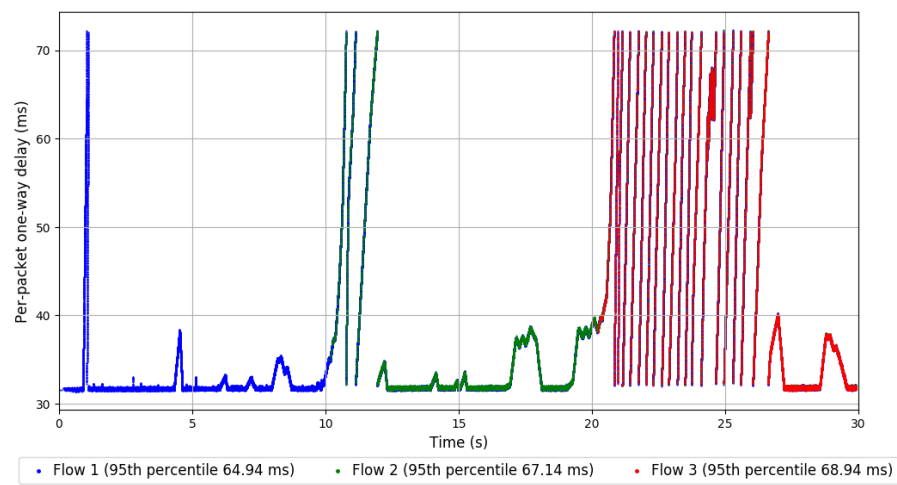
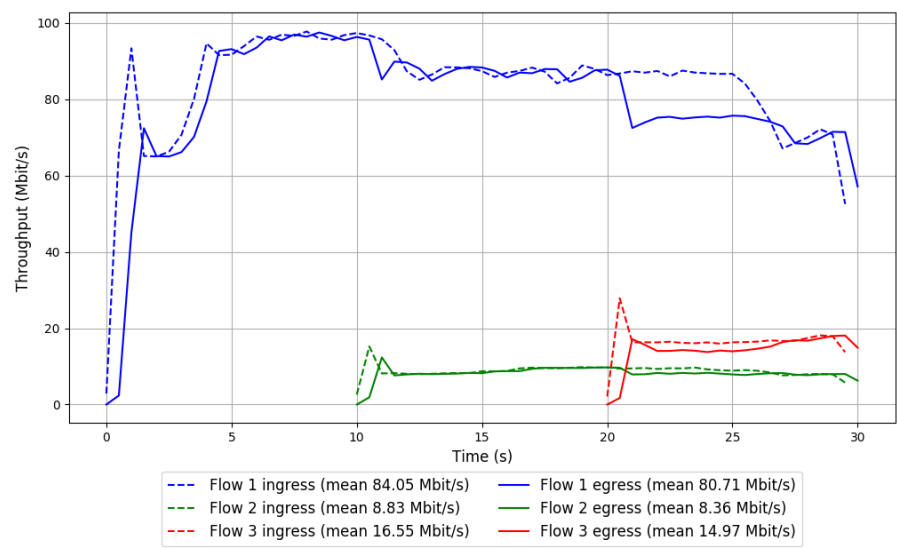


Run 5: Statistics of PCC-Allegro

Start at: 2018-11-30 09:03:29
End at: 2018-11-30 09:03:59
Local clock offset: 1.556 ms
Remote clock offset: -2.623 ms

Below is generated by plot.py at 2018-11-30 09:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 65.577 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 64.937 ms
Loss rate: 3.98%
-- Flow 2:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 67.136 ms
Loss rate: 5.36%
-- Flow 3:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 68.941 ms
Loss rate: 9.57%

Run 5: Report of PCC-Allegro — Data Link

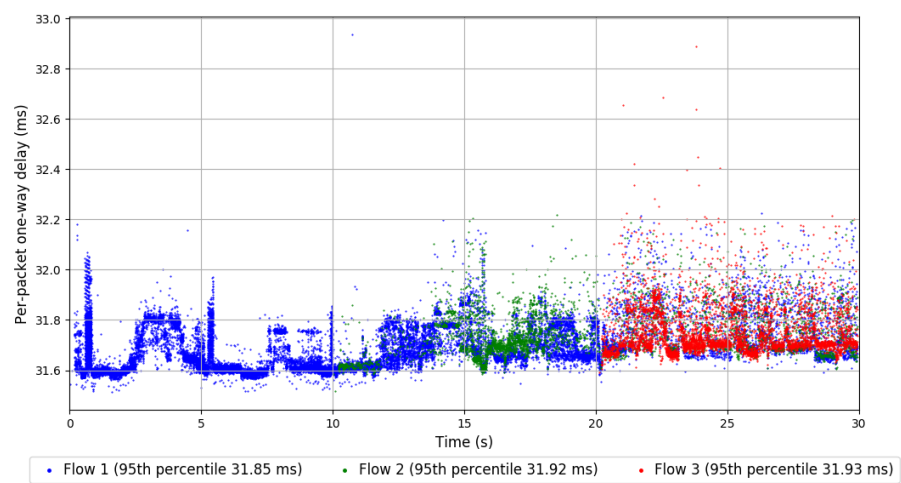
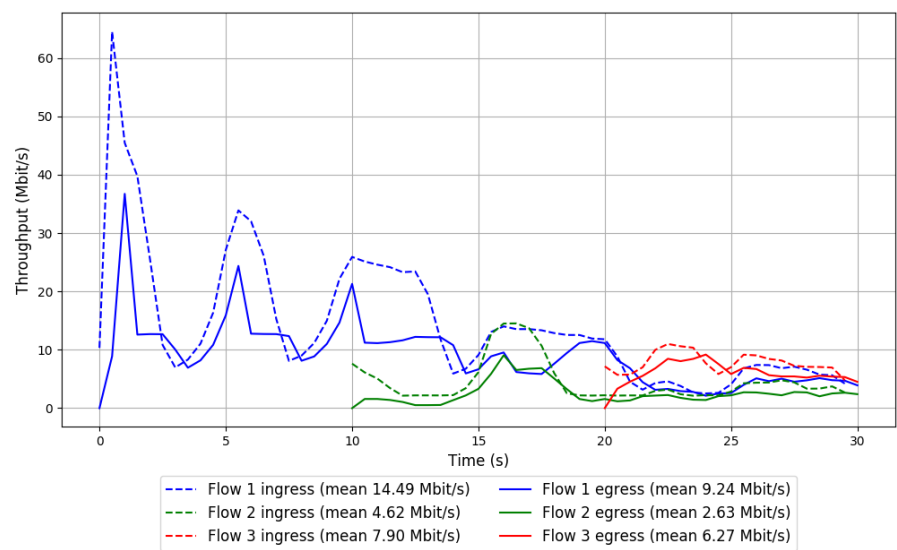


```
Run 1: Statistics of PCC-Expr

Start at: 2018-11-30 07:19:00
End at: 2018-11-30 07:19:30
Local clock offset: 0.312 ms
Remote clock offset: -3.32 ms

# Below is generated by plot.py at 2018-11-30 09:16:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 31.882 ms
Loss rate: 35.26%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 31.848 ms
Loss rate: 36.26%
-- Flow 2:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 31.924 ms
Loss rate: 43.00%
-- Flow 3:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 31.926 ms
Loss rate: 20.60%
```

Run 1: Report of PCC-Expr — Data Link

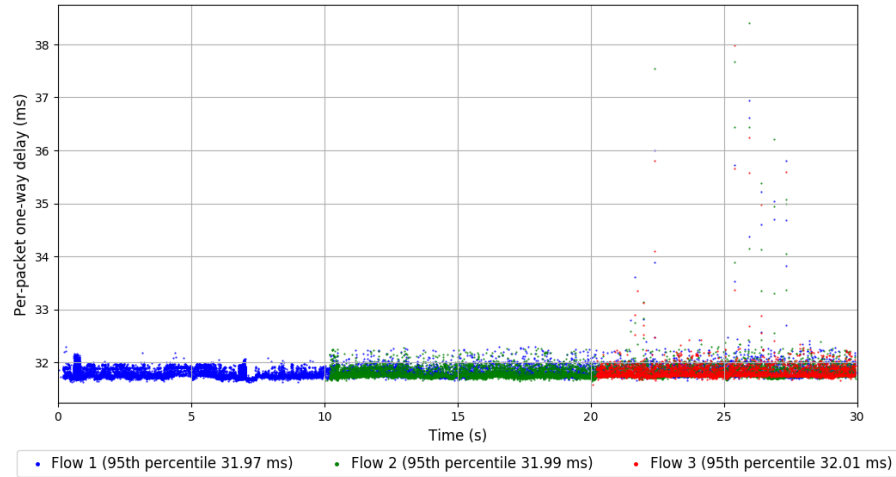
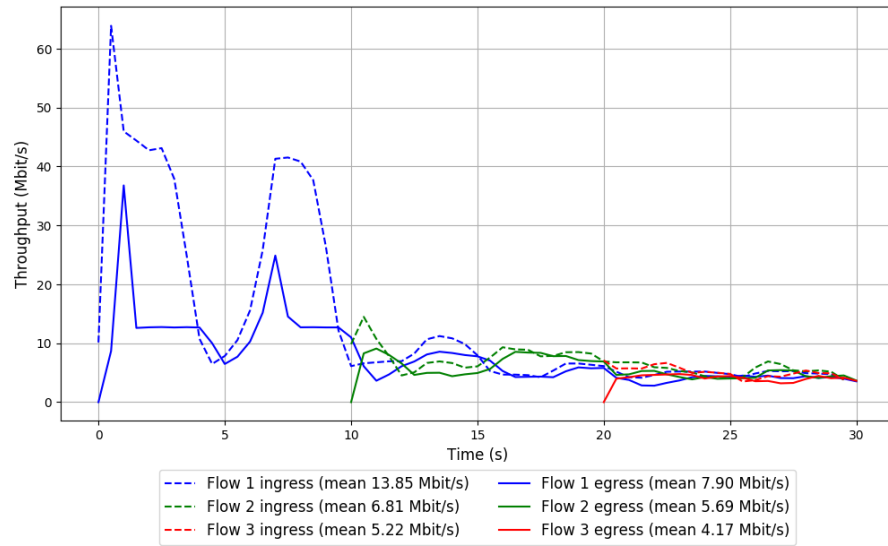


Run 2: Statistics of PCC-Expr

Start at: 2018-11-30 07:41:43
End at: 2018-11-30 07:42:13
Local clock offset: 0.298 ms
Remote clock offset: -3.355 ms

Below is generated by plot.py at 2018-11-30 09:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 31.980 ms
Loss rate: 35.04%
-- Flow 1:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 31.967 ms
Loss rate: 42.97%
-- Flow 2:
Average throughput: 5.69 Mbit/s
95th percentile per-packet one-way delay: 31.991 ms
Loss rate: 16.46%
-- Flow 3:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 32.010 ms
Loss rate: 20.12%

Run 2: Report of PCC-Expr — Data Link

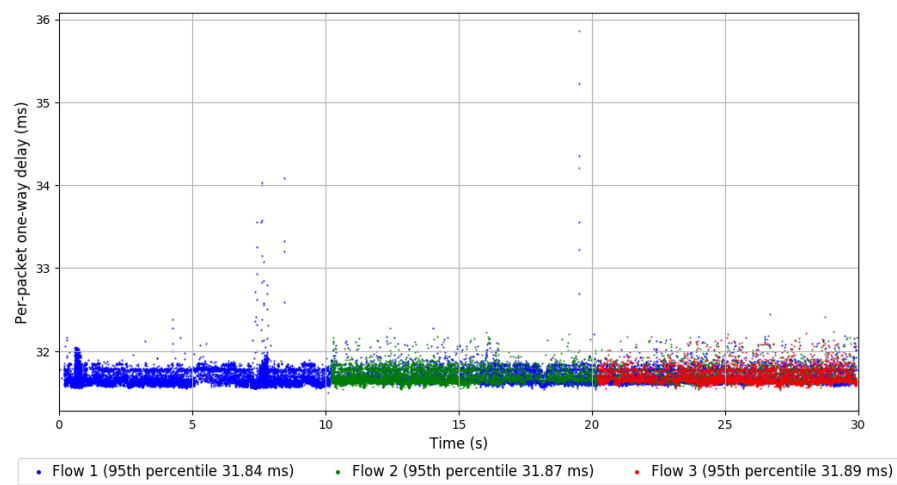
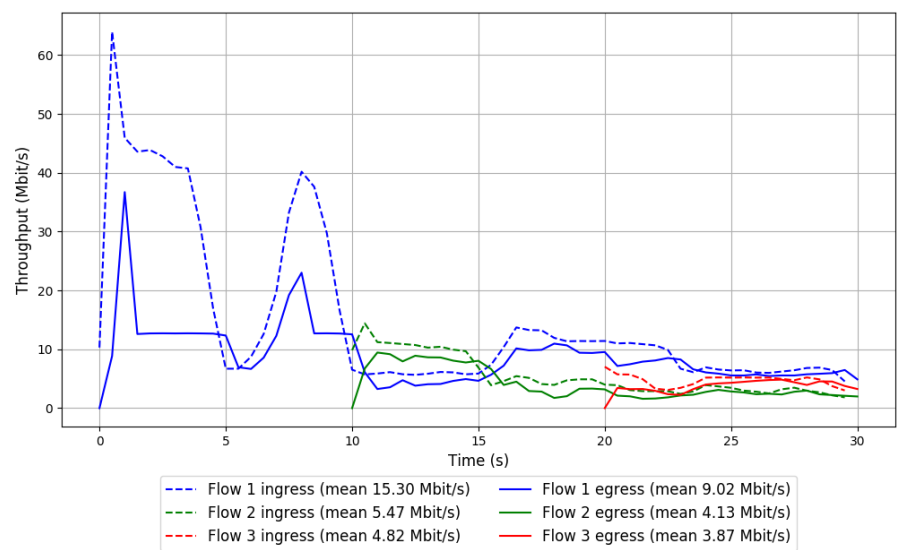


Run 3: Statistics of PCC-Expr

Start at: 2018-11-30 08:04:30
End at: 2018-11-30 08:05:00
Local clock offset: 0.398 ms
Remote clock offset: -2.962 ms

Below is generated by plot.py at 2018-11-30 09:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 31.848 ms
Loss rate: 36.49%
-- Flow 1:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 31.841 ms
Loss rate: 41.09%
-- Flow 2:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 31.874 ms
Loss rate: 24.49%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 31.886 ms
Loss rate: 19.66%

Run 3: Report of PCC-Expr — Data Link

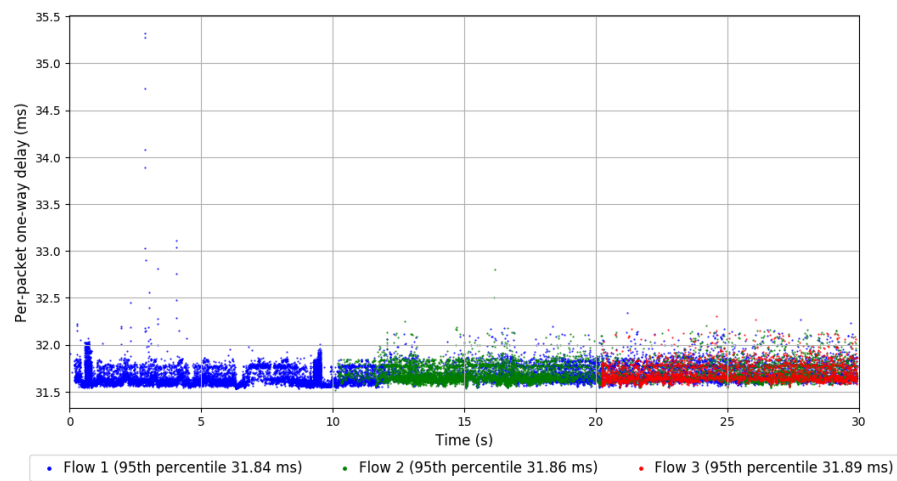
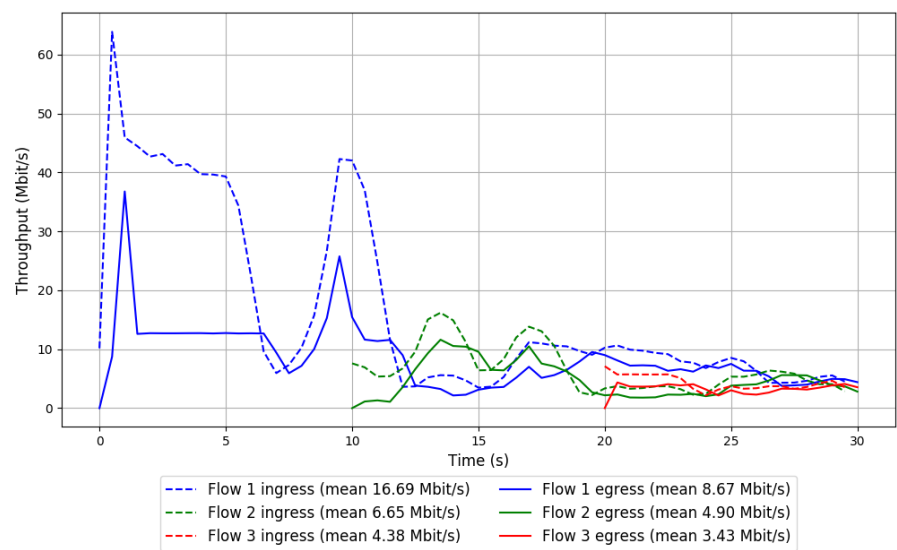


Run 4: Statistics of PCC-Expr

Start at: 2018-11-30 08:27:23
End at: 2018-11-30 08:27:53
Local clock offset: 0.26 ms
Remote clock offset: -2.231 ms

Below is generated by plot.py at 2018-11-30 09:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 31.847 ms
Loss rate: 42.12%
-- Flow 1:
Average throughput: 8.67 Mbit/s
95th percentile per-packet one-way delay: 31.836 ms
Loss rate: 48.08%
-- Flow 2:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 31.862 ms
Loss rate: 26.36%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 31.894 ms
Loss rate: 21.63%

Run 4: Report of PCC-Expr — Data Link

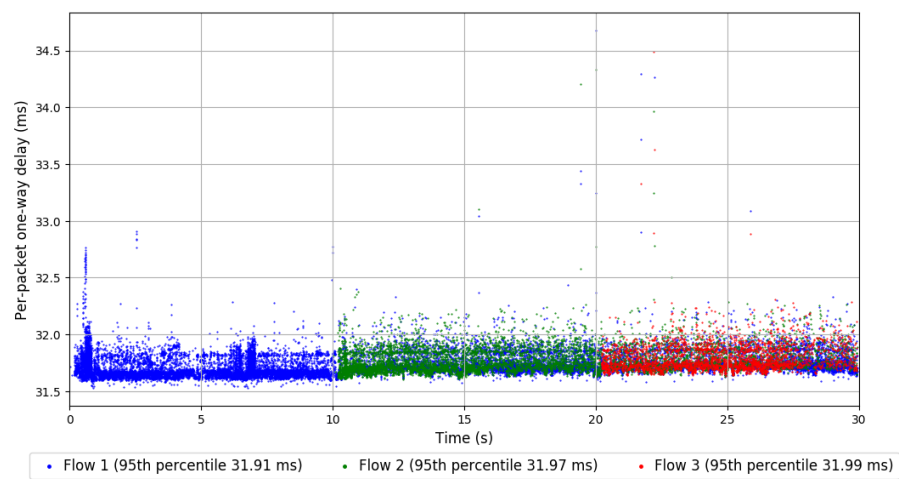
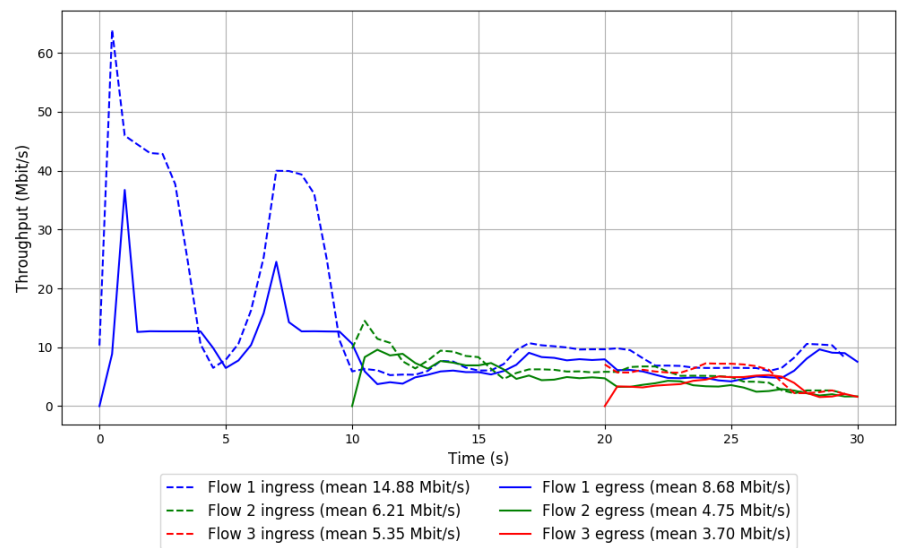


Run 5: Statistics of PCC-Expr

Start at: 2018-11-30 08:50:14
End at: 2018-11-30 08:50:44
Local clock offset: 0.819 ms
Remote clock offset: -2.292 ms

Below is generated by plot.py at 2018-11-30 09:16:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 31.935 ms
Loss rate: 37.13%
-- Flow 1:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 31.907 ms
Loss rate: 41.66%
-- Flow 2:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 31.969 ms
Loss rate: 23.46%
-- Flow 3:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 31.990 ms
Loss rate: 30.98%

Run 5: Report of PCC-Expr — Data Link

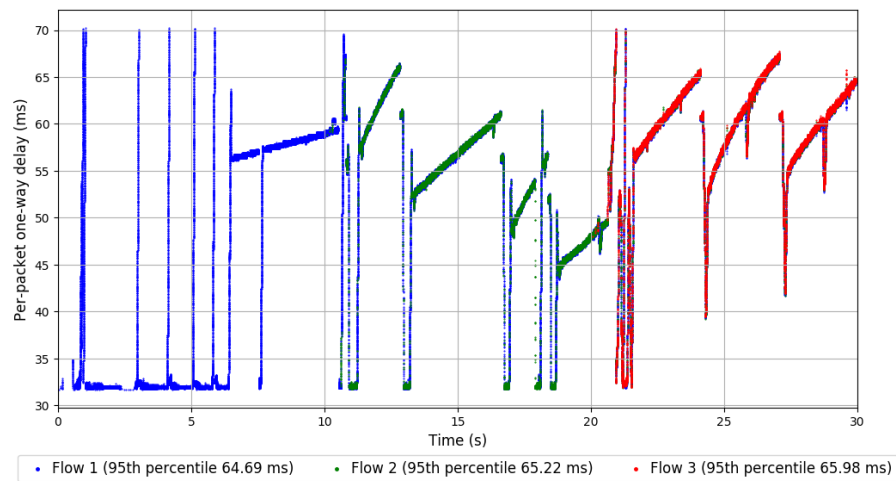
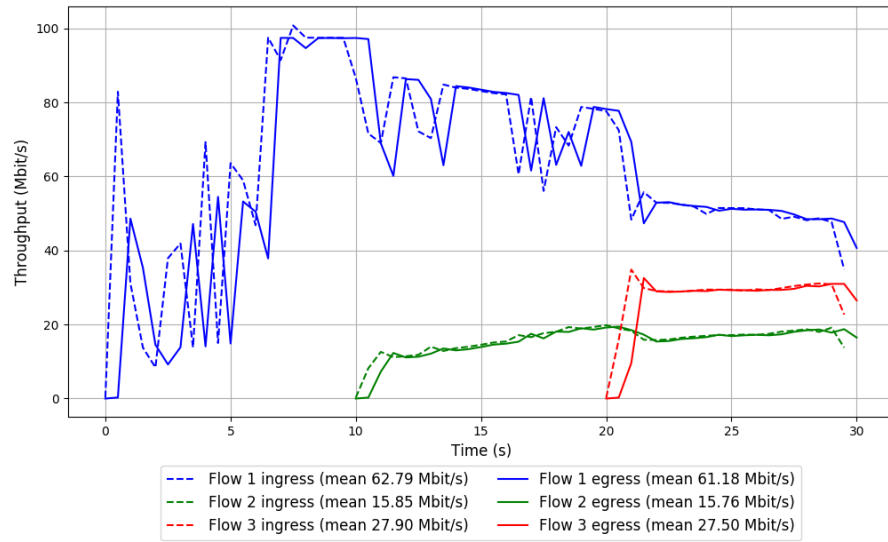


Run 1: Statistics of QUIC Cubic

Start at: 2018-11-30 07:35:45
End at: 2018-11-30 07:36:15
Local clock offset: 0.288 ms
Remote clock offset: -3.202 ms

Below is generated by plot.py at 2018-11-30 09:17:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.70 Mbit/s
95th percentile per-packet one-way delay: 64.992 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 64.693 ms
Loss rate: 2.47%
-- Flow 2:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 65.221 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 65.978 ms
Loss rate: 1.27%

Run 1: Report of QUIC Cubic — Data Link

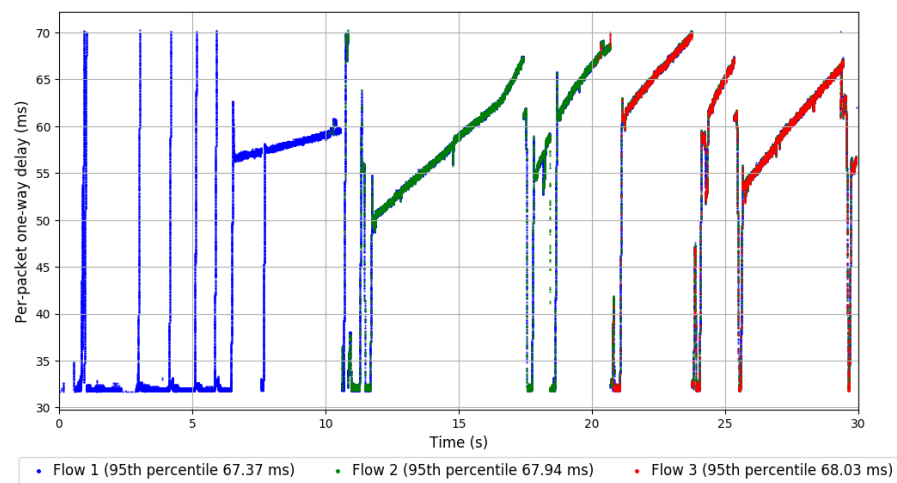
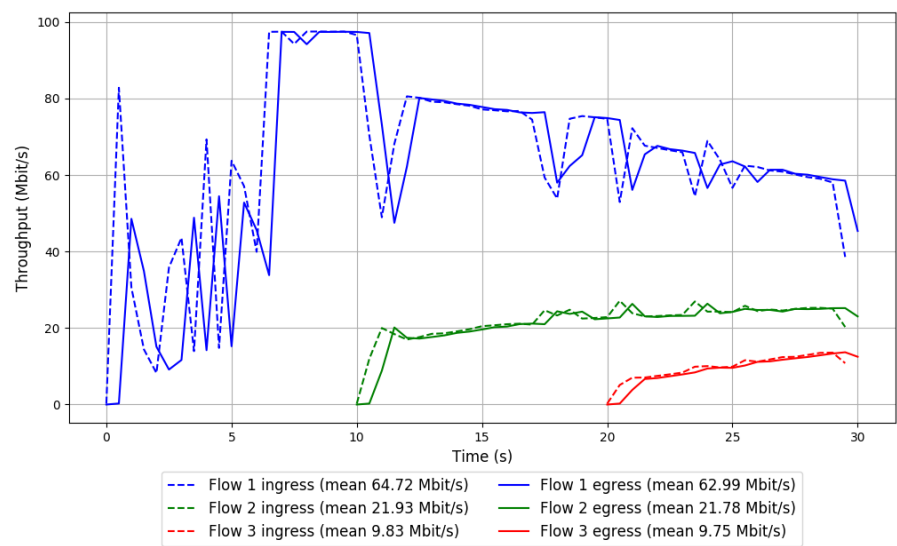


Run 2: Statistics of QUIC Cubic

Start at: 2018-11-30 07:58:33
End at: 2018-11-30 07:59:03
Local clock offset: 0.37 ms
Remote clock offset: -2.972 ms

Below is generated by plot.py at 2018-11-30 09:17:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 67.569 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 67.372 ms
Loss rate: 2.57%
-- Flow 2:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 67.943 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 68.028 ms
Loss rate: 0.93%

Run 2: Report of QUIC Cubic — Data Link

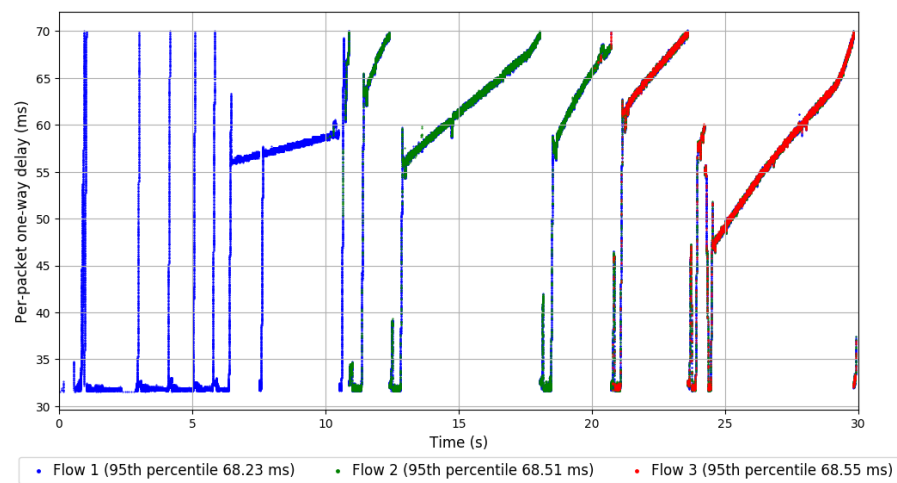
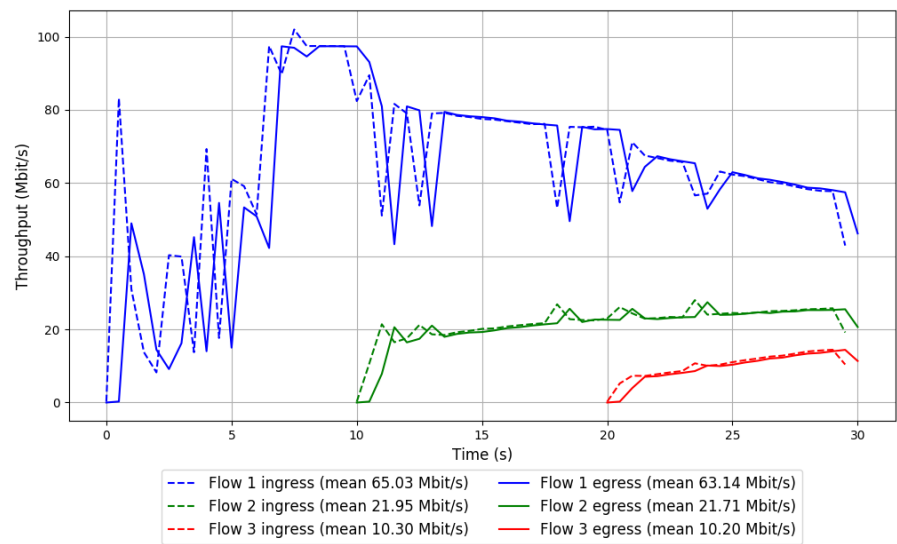


Run 3: Statistics of QUIC Cubic

Start at: 2018-11-30 08:21:24
End at: 2018-11-30 08:21:54
Local clock offset: 0.315 ms
Remote clock offset: -2.212 ms

Below is generated by plot.py at 2018-11-30 09:17:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 68.268 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 63.14 Mbit/s
95th percentile per-packet one-way delay: 68.227 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: 68.510 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 68.552 ms
Loss rate: 1.31%

Run 3: Report of QUIC Cubic — Data Link

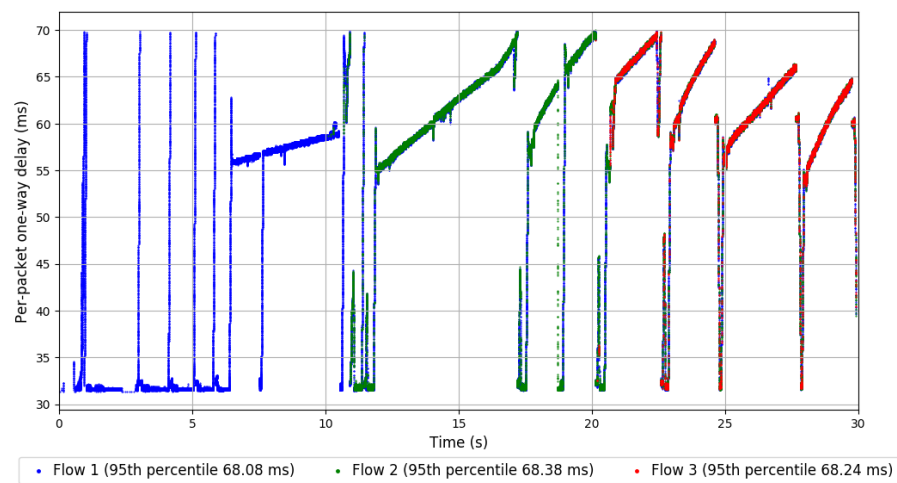
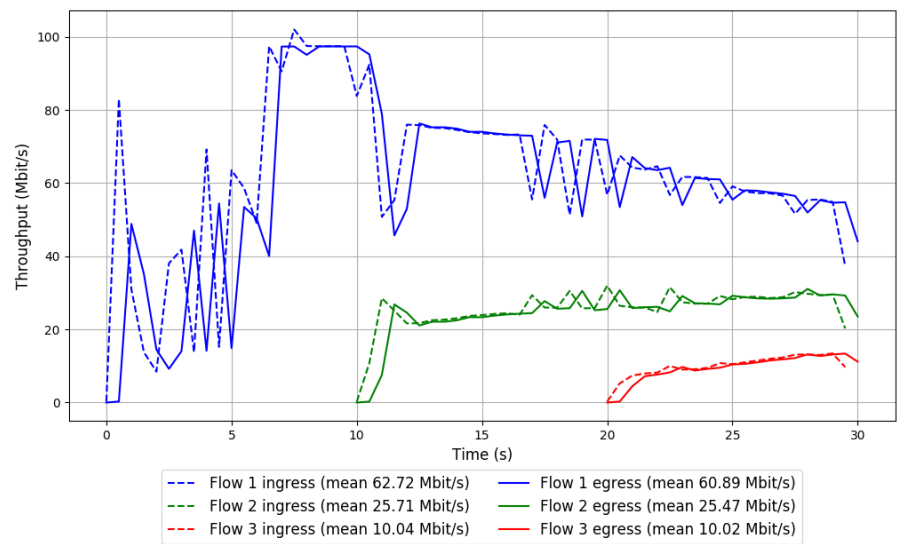


Run 4: Statistics of QUIC Cubic

Start at: 2018-11-30 08:44:15
End at: 2018-11-30 08:44:45
Local clock offset: 0.198 ms
Remote clock offset: -2.242 ms

Below is generated by plot.py at 2018-11-30 09:17:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 68.179 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 68.077 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 68.380 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 68.243 ms
Loss rate: 0.51%

Run 4: Report of QUIC Cubic — Data Link

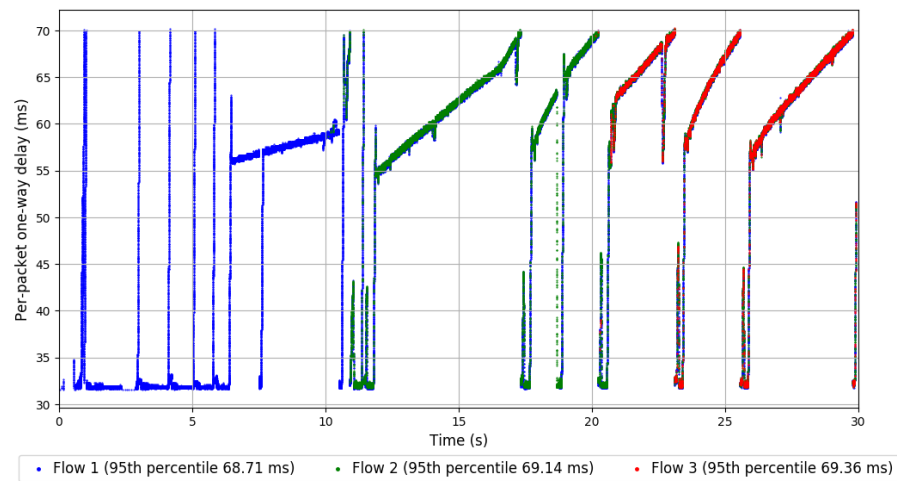
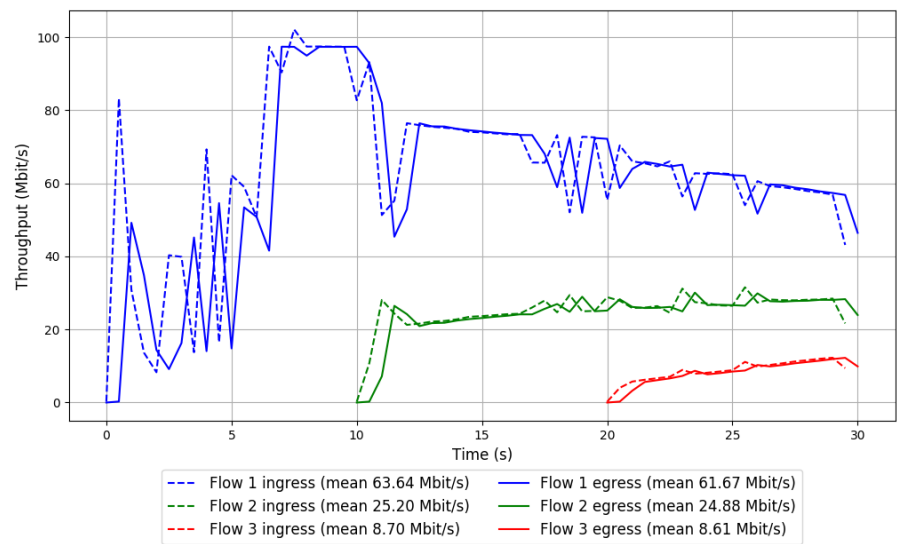


Run 5: Statistics of QUIC Cubic

Start at: 2018-11-30 09:07:09
End at: 2018-11-30 09:07:39
Local clock offset: 1.656 ms
Remote clock offset: -2.497 ms

Below is generated by plot.py at 2018-11-30 09:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 68.840 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 61.67 Mbit/s
95th percentile per-packet one-way delay: 68.711 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 69.141 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 69.356 ms
Loss rate: 1.31%

Run 5: Report of QUIC Cubic — Data Link

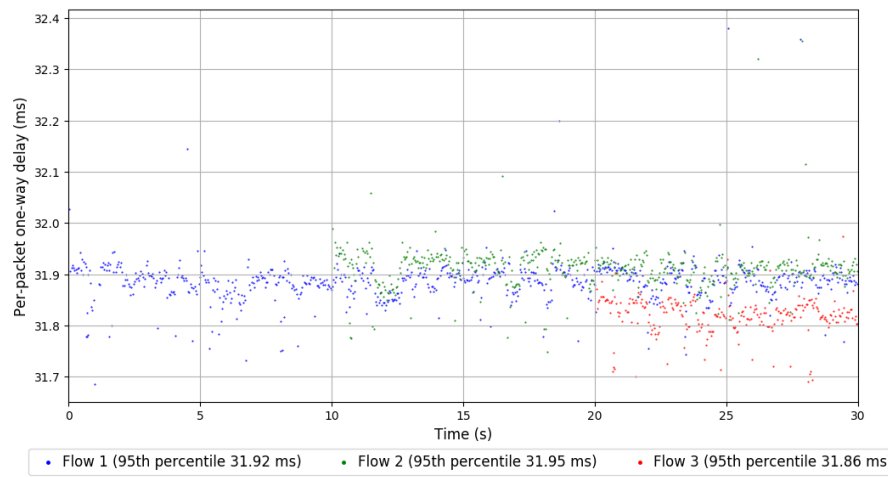
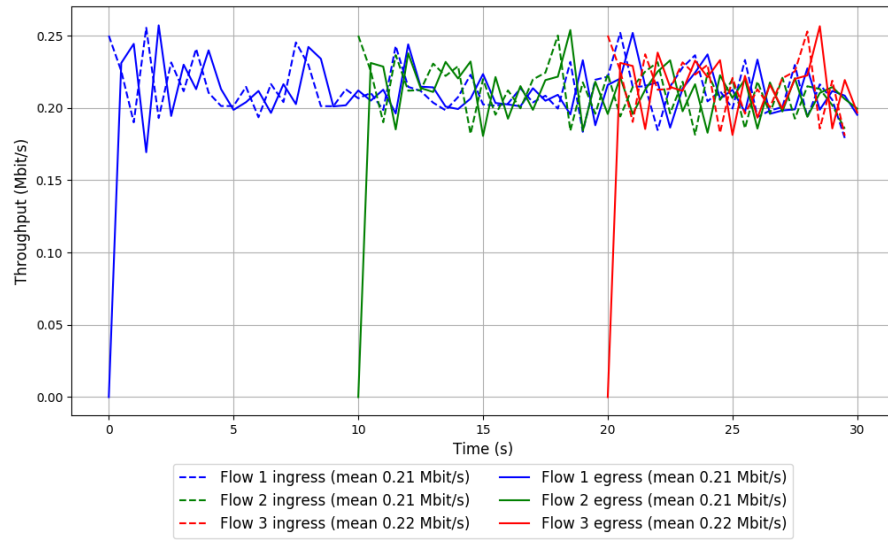


Run 1: Statistics of SReAM

Start at: 2018-11-30 07:29:46
End at: 2018-11-30 07:30:16
Local clock offset: 0.312 ms
Remote clock offset: -3.371 ms

Below is generated by plot.py at 2018-11-30 09:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.857 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

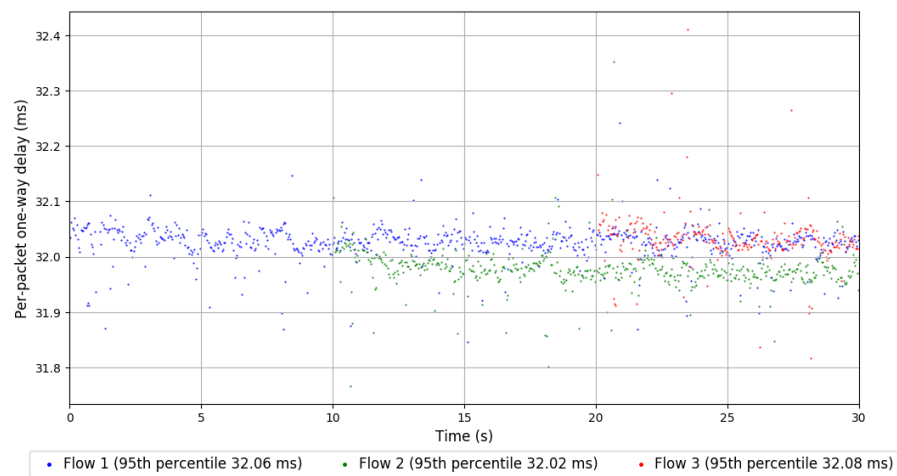
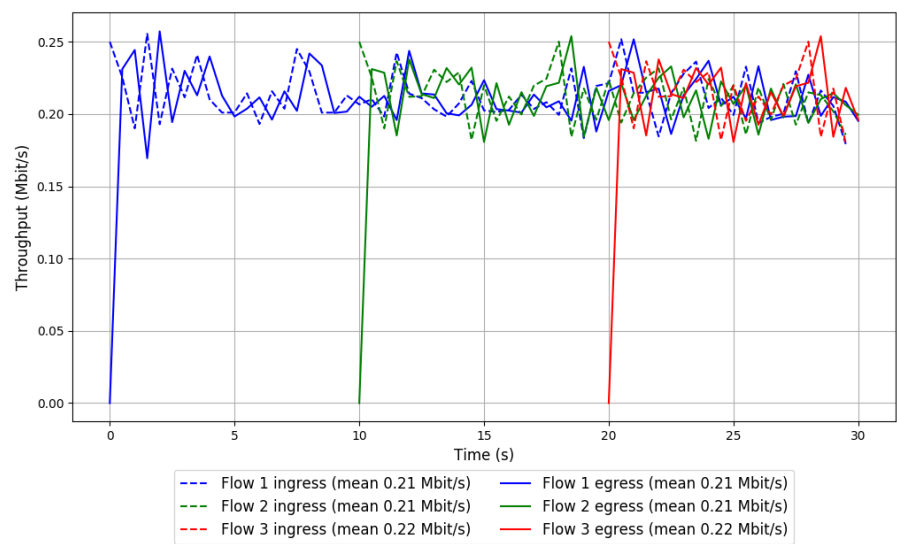


Run 2: Statistics of SReAM

Start at: 2018-11-30 07:52:35
End at: 2018-11-30 07:53:05
Local clock offset: 0.358 ms
Remote clock offset: -3.034 ms

Below is generated by plot.py at 2018-11-30 09:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.075 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

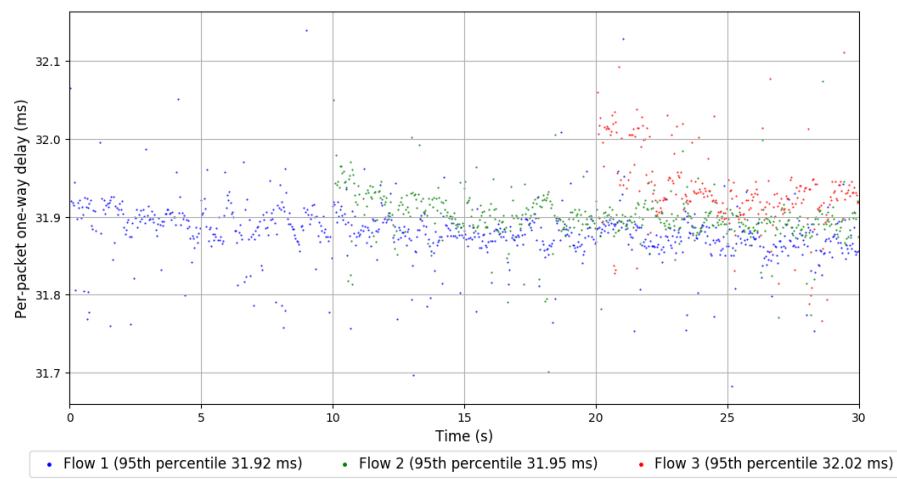
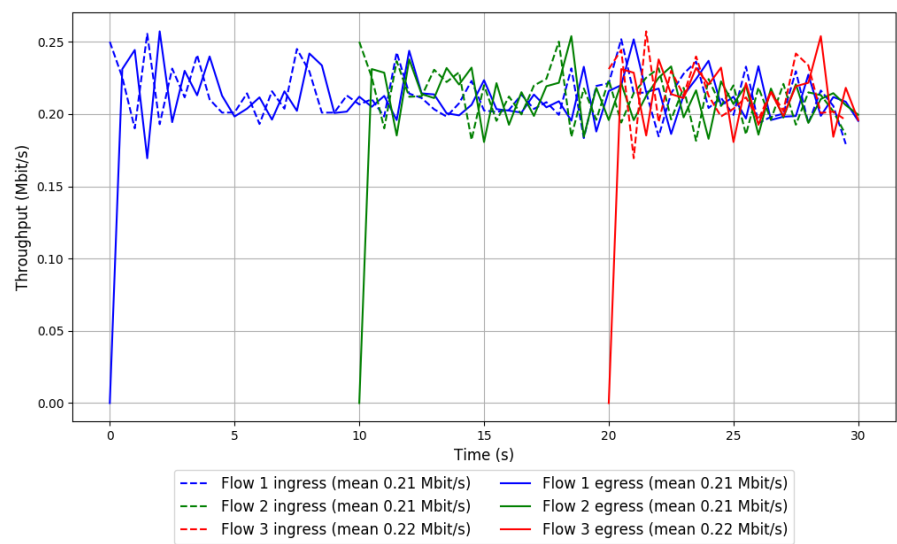


Run 3: Statistics of SReAM

Start at: 2018-11-30 08:15:25
End at: 2018-11-30 08:15:55
Local clock offset: 0.396 ms
Remote clock offset: -2.383 ms

Below is generated by plot.py at 2018-11-30 09:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.924 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.020 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link

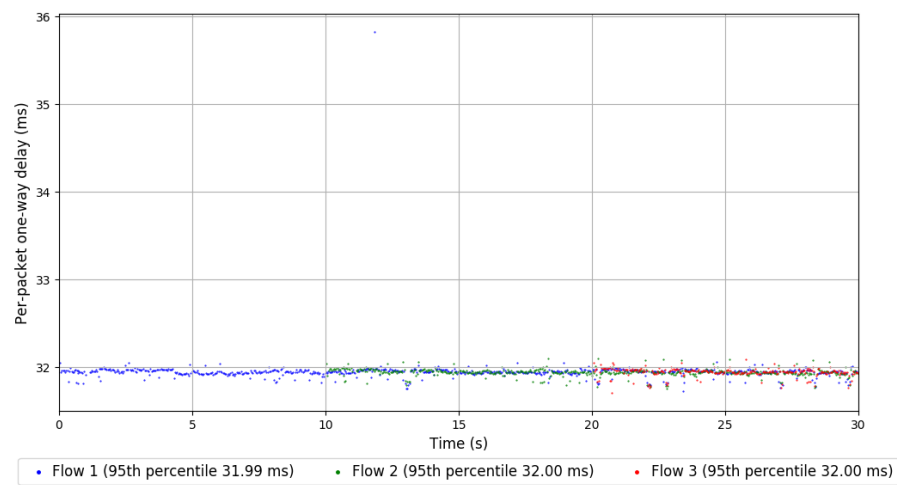
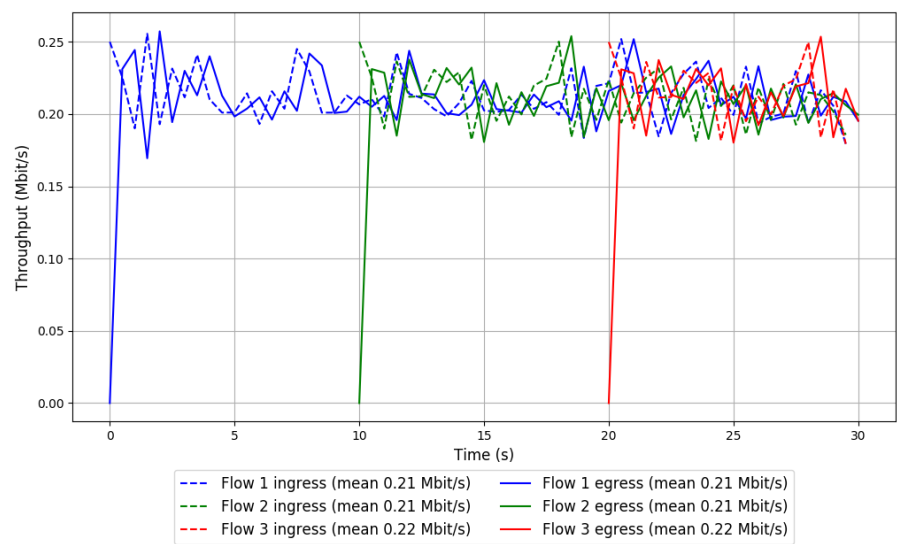


Run 4: Statistics of SCReAM

Start at: 2018-11-30 08:38:11
End at: 2018-11-30 08:38:41
Local clock offset: 0.206 ms
Remote clock offset: -1.966 ms

Below is generated by plot.py at 2018-11-30 09:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.998 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.002 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

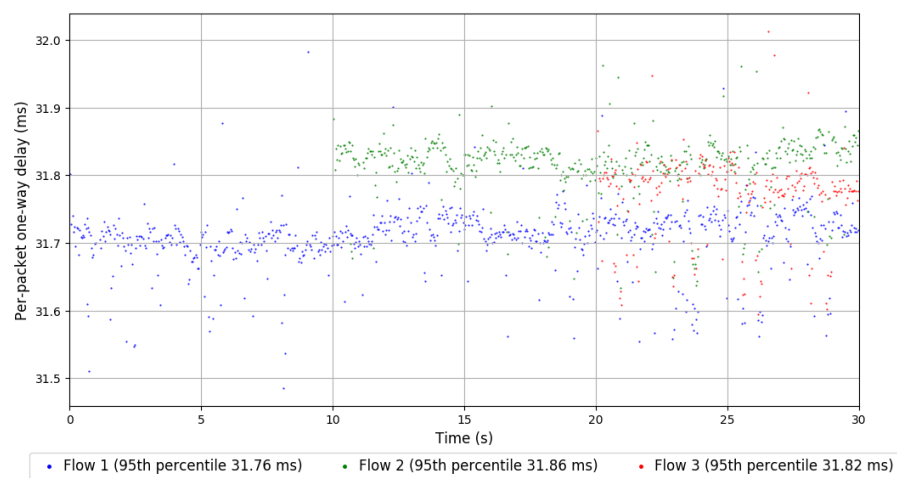
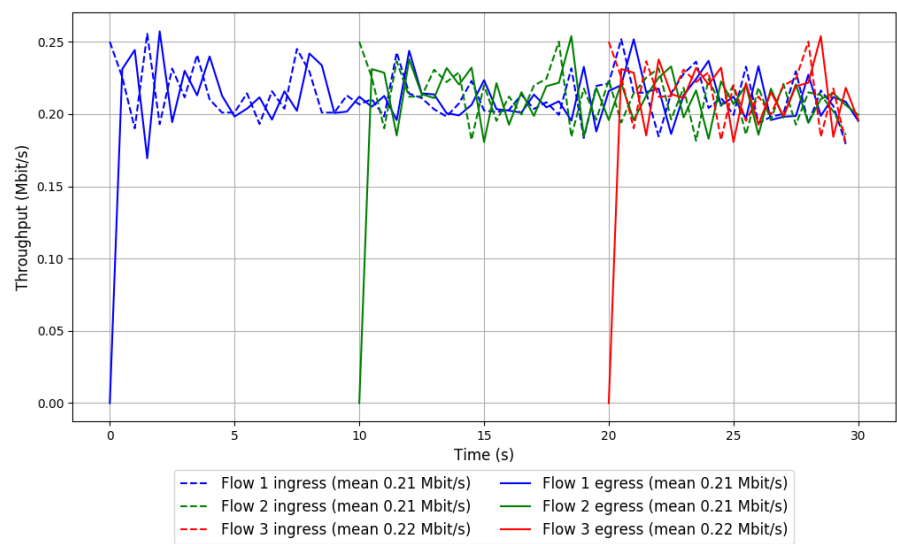


Run 5: Statistics of SReAM

Start at: 2018-11-30 09:01:09
End at: 2018-11-30 09:01:39
Local clock offset: 1.464 ms
Remote clock offset: -2.536 ms

Below is generated by plot.py at 2018-11-30 09:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.759 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.825 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

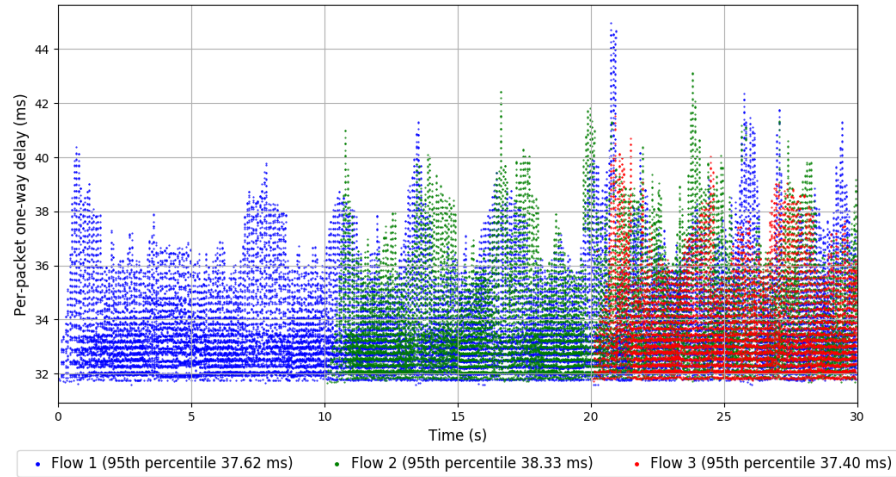
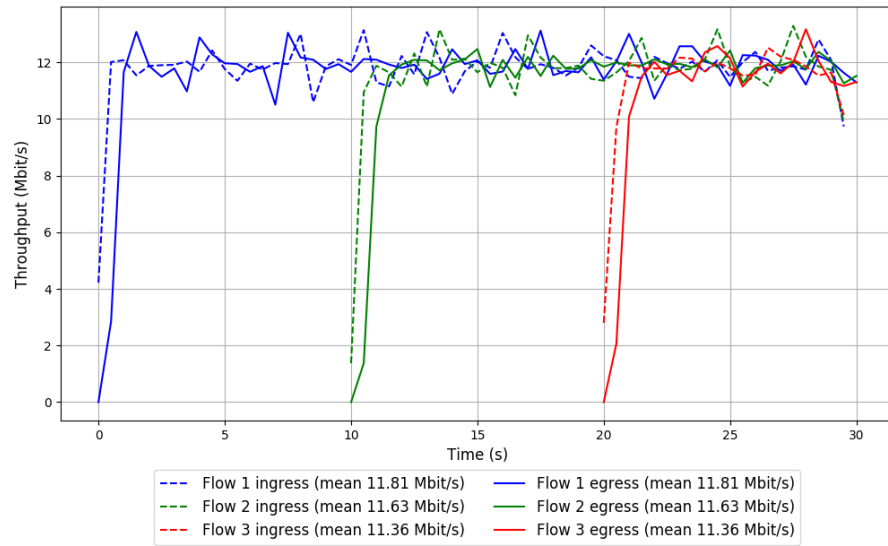


Run 1: Statistics of Sprout

Start at: 2018-11-30 07:21:22
End at: 2018-11-30 07:21:52
Local clock offset: 0.313 ms
Remote clock offset: -3.228 ms

Below is generated by plot.py at 2018-11-30 09:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 37.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 37.622 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 38.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 37.402 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

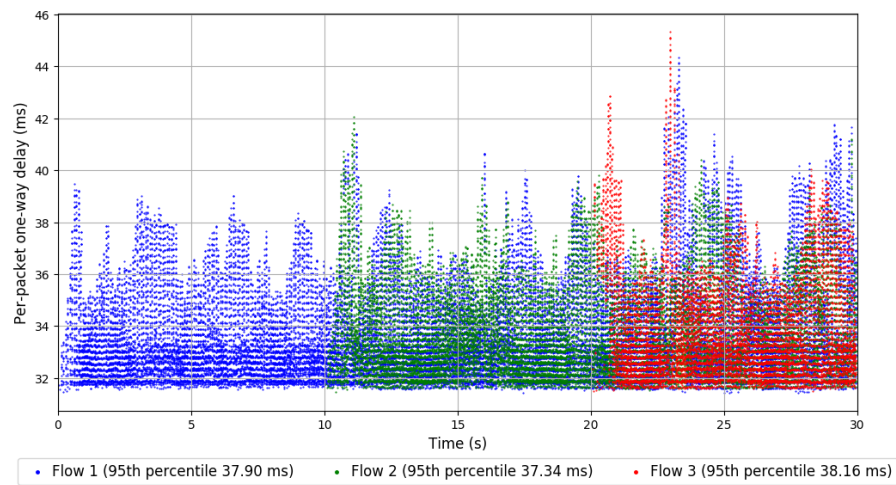
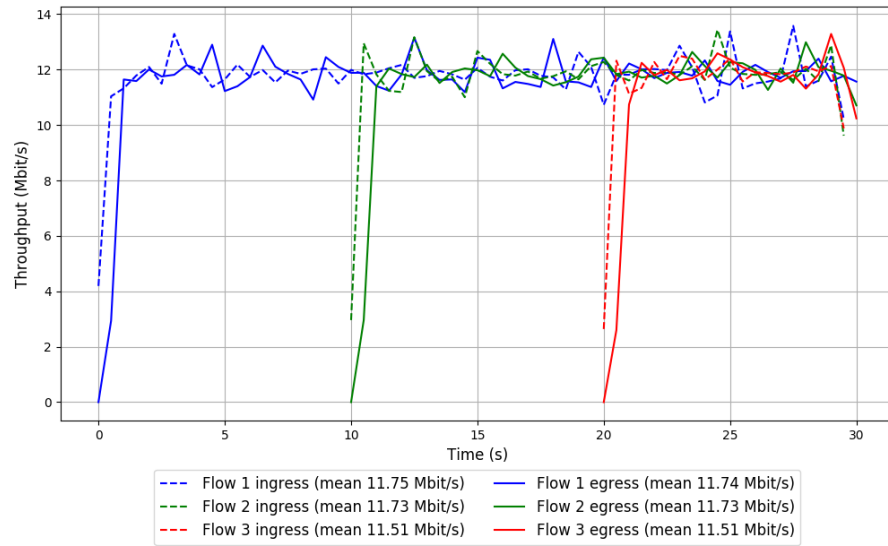


Run 2: Statistics of Sprout

Start at: 2018-11-30 07:44:07
End at: 2018-11-30 07:44:37
Local clock offset: 0.305 ms
Remote clock offset: -3.429 ms

Below is generated by plot.py at 2018-11-30 09:17:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 37.745 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 37.900 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 37.343 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 38.158 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

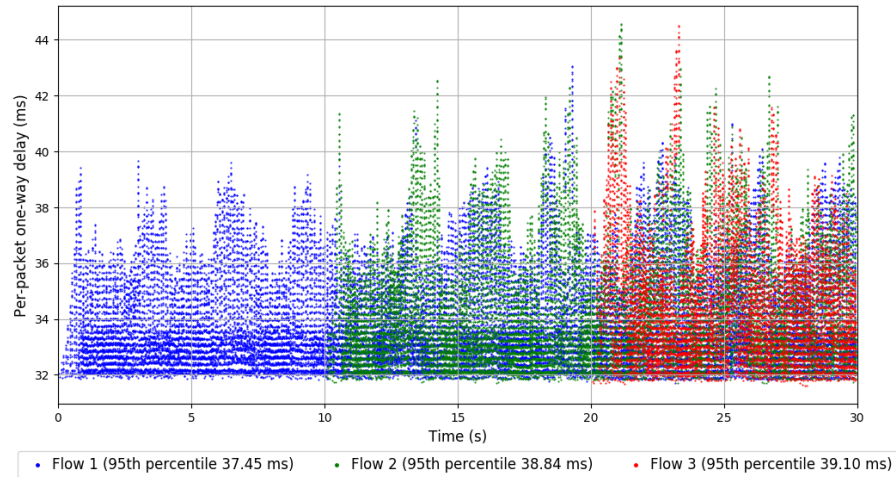
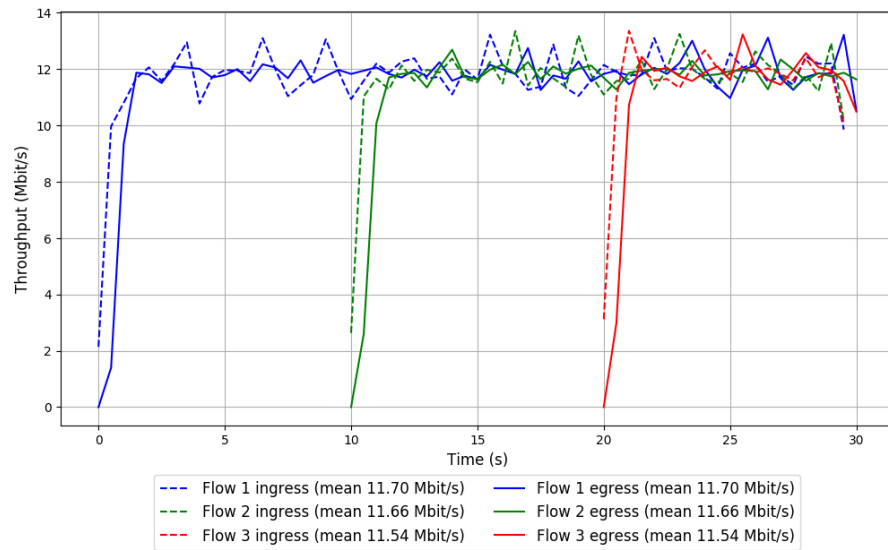


Run 3: Statistics of Sprout

Start at: 2018-11-30 08:06:55
End at: 2018-11-30 08:07:25
Local clock offset: 0.398 ms
Remote clock offset: -2.665 ms

```
# Below is generated by plot.py at 2018-11-30 09:17:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 38.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 37.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 38.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 39.100 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-11-30 08:29:46

End at: 2018-11-30 08:30:16

Local clock offset: 0.245 ms

Remote clock offset: -2.01 ms

Below is generated by plot.py at 2018-11-30 09:17:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.29 Mbit/s

95th percentile per-packet one-way delay: 37.990 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 37.380 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 11.67 Mbit/s

95th percentile per-packet one-way delay: 38.462 ms

Loss rate: 0.11%

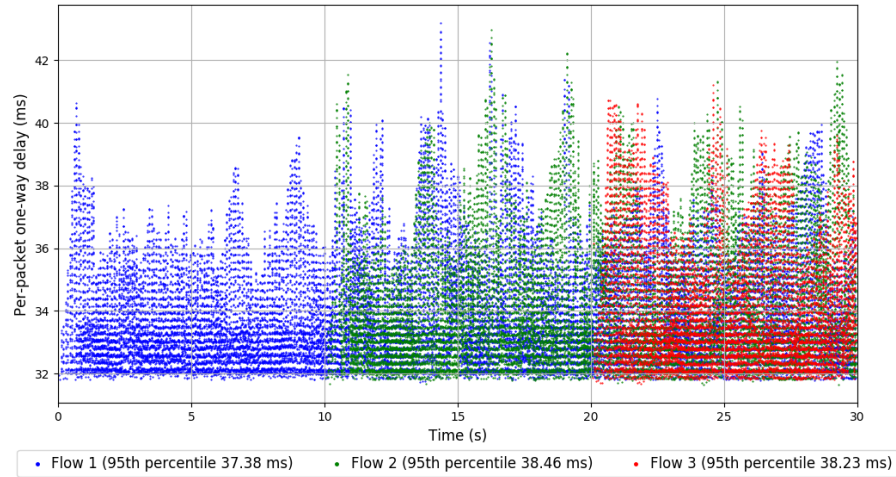
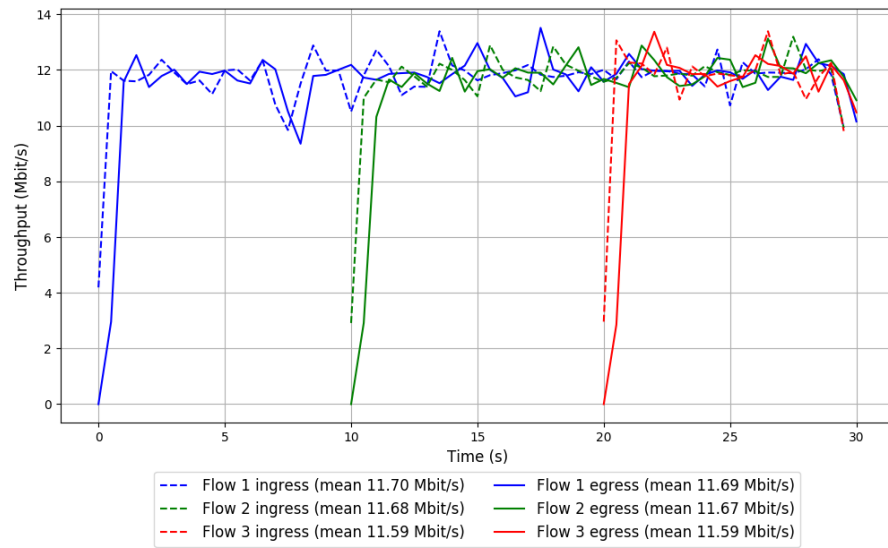
-- Flow 3:

Average throughput: 11.59 Mbit/s

95th percentile per-packet one-way delay: 38.228 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

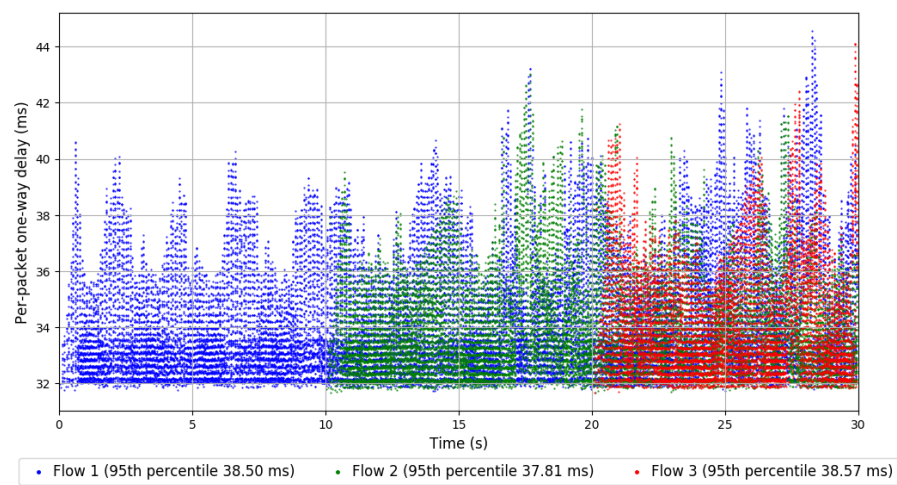
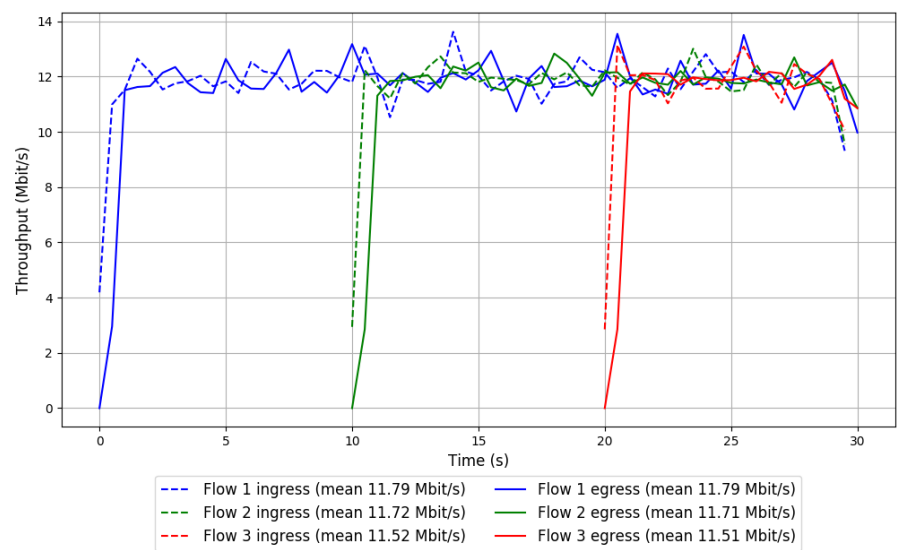


Run 5: Statistics of Sprout

Start at: 2018-11-30 08:52:44
End at: 2018-11-30 08:53:14
Local clock offset: 1.032 ms
Remote clock offset: -2.145 ms

```
# Below is generated by plot.py at 2018-11-30 09:17:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 38.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 38.502 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 37.807 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 38.572 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

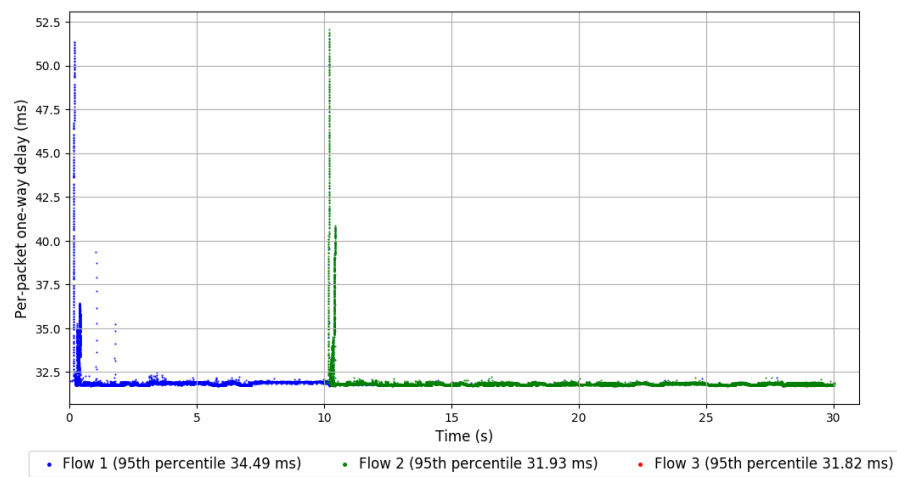
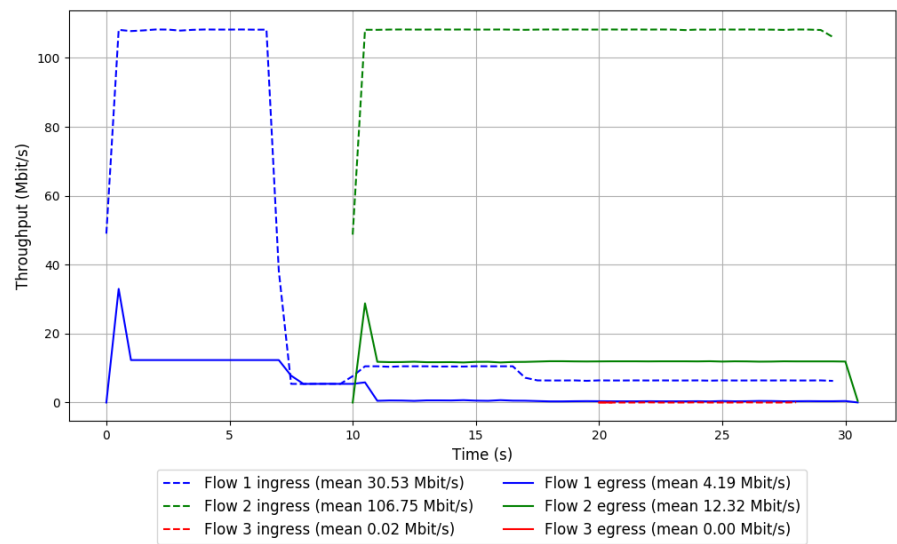


Run 1: Statistics of TaoVA-100x

Start at: 2018-11-30 07:17:49
End at: 2018-11-30 07:18:19
Local clock offset: 0.308 ms
Remote clock offset: -3.171 ms

Below is generated by plot.py at 2018-11-30 09:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 32.810 ms
Loss rate: 87.80%
-- Flow 1:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 34.489 ms
Loss rate: 86.27%
-- Flow 2:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 31.932 ms
Loss rate: 88.46%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.824 ms
Loss rate: 99.16%

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

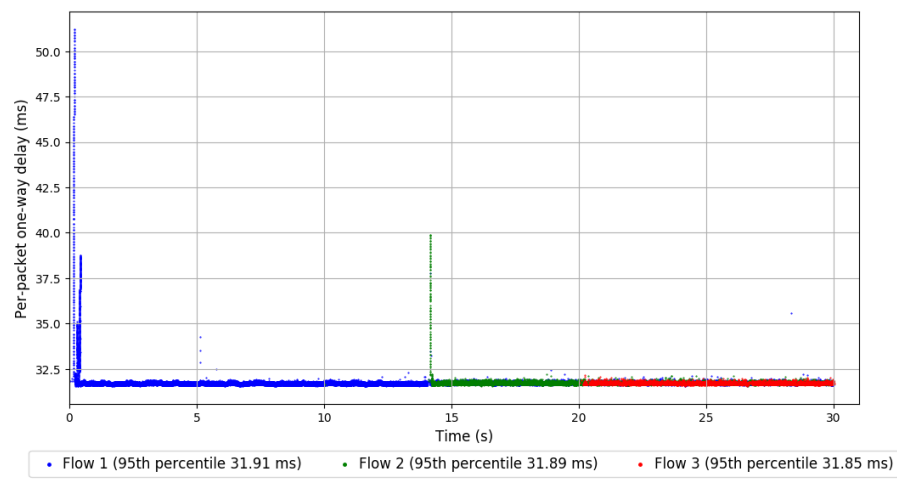
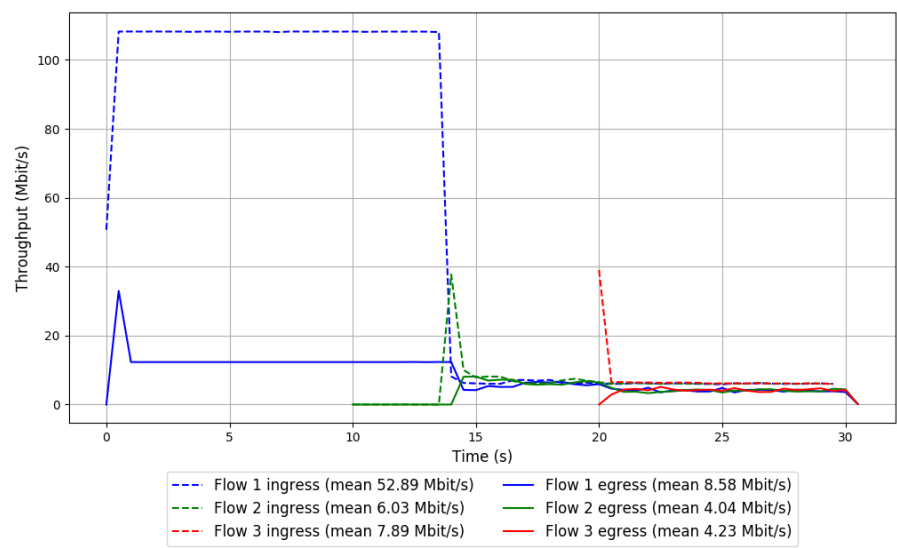


Run 2: Statistics of TaoVA-100x

Start at: 2018-11-30 07:40:33
End at: 2018-11-30 07:41:03
Local clock offset: 0.292 ms
Remote clock offset: -3.464 ms

Below is generated by plot.py at 2018-11-30 09:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 31.887 ms
Loss rate: 78.70%
-- Flow 1:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 31.906 ms
Loss rate: 83.77%
-- Flow 2:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 31.886 ms
Loss rate: 33.00%
-- Flow 3:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 31.853 ms
Loss rate: 46.37%

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

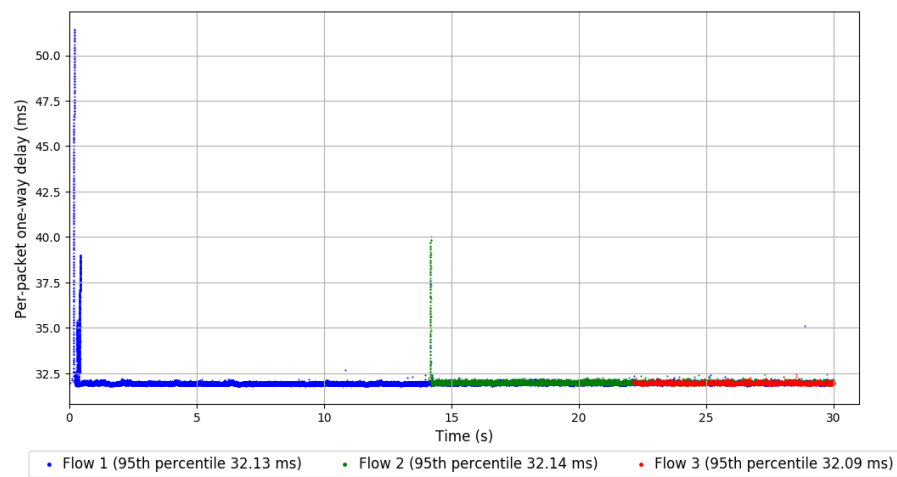
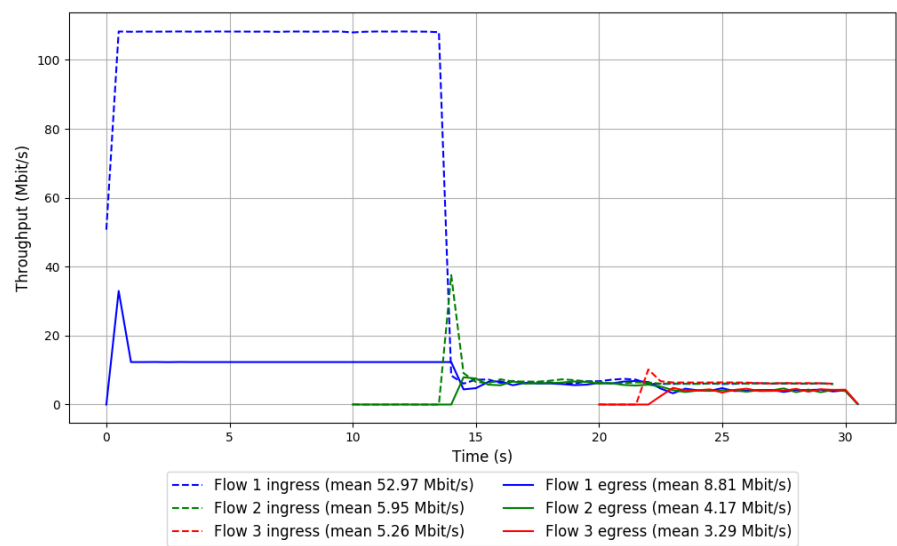


Run 3: Statistics of TaoVA-100x

Start at: 2018-11-30 08:03:20
End at: 2018-11-30 08:03:50
Local clock offset: 0.41 ms
Remote clock offset: -2.737 ms

Below is generated by plot.py at 2018-11-30 09:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 32.125 ms
Loss rate: 78.39%
-- Flow 1:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 32.130 ms
Loss rate: 83.37%
-- Flow 2:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 29.94%
-- Flow 3:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 32.093 ms
Loss rate: 37.47%

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

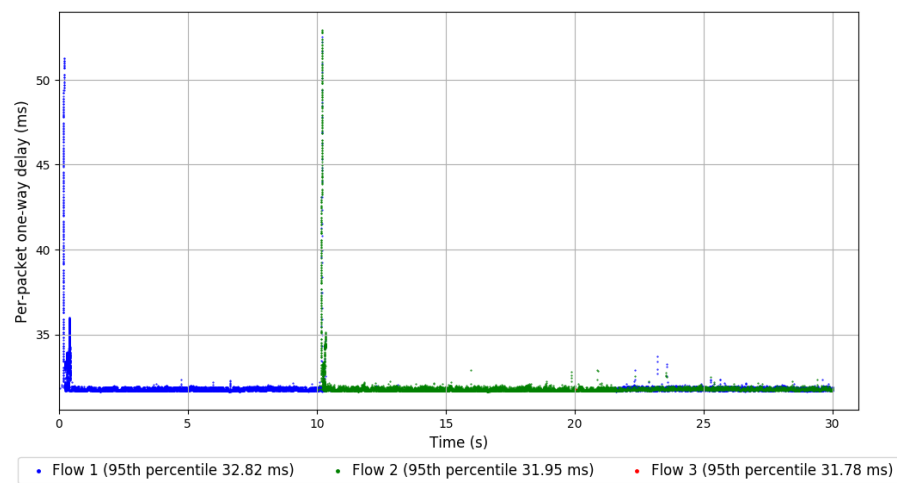
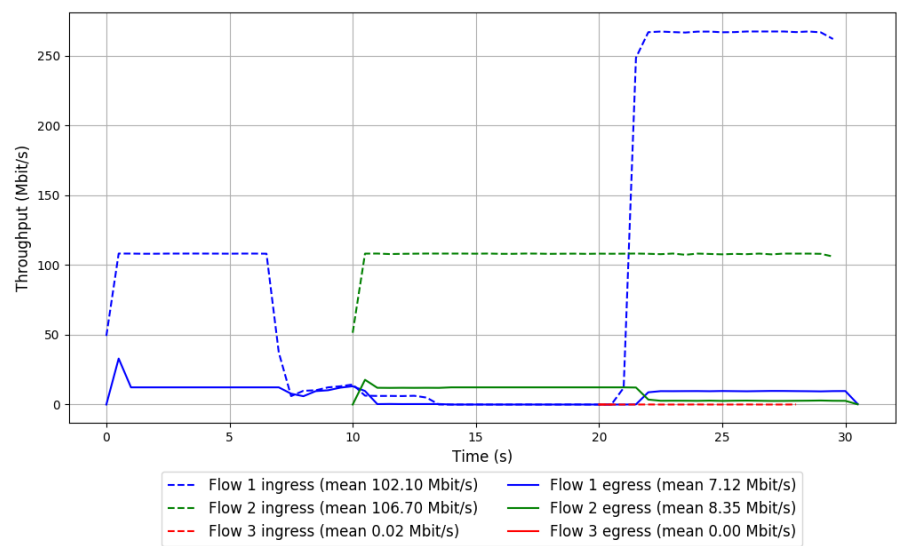


Run 4: Statistics of TaoVA-100x

Start at: 2018-11-30 08:26:12
End at: 2018-11-30 08:26:42
Local clock offset: 0.267 ms
Remote clock offset: -2.139 ms

Below is generated by plot.py at 2018-11-30 09:17:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 32.055 ms
Loss rate: 92.68%
-- Flow 1:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 32.820 ms
Loss rate: 93.03%
-- Flow 2:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 31.950 ms
Loss rate: 92.17%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.782 ms
Loss rate: 99.16%

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

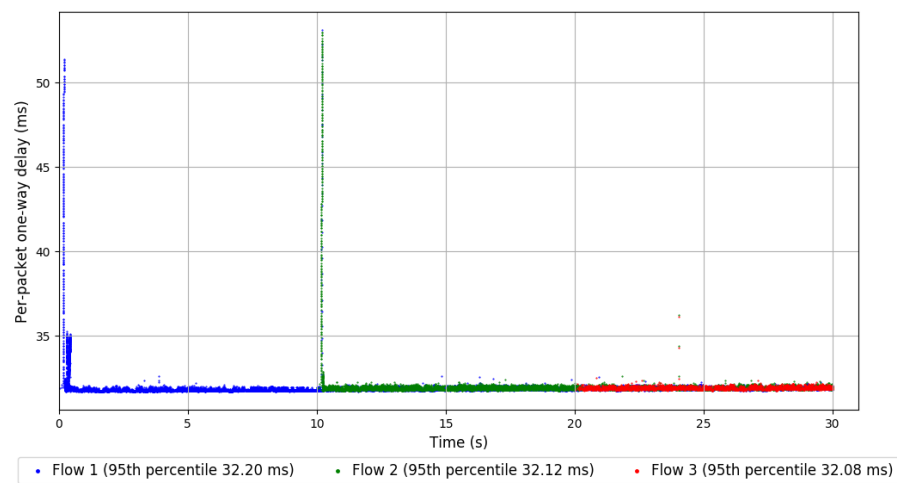
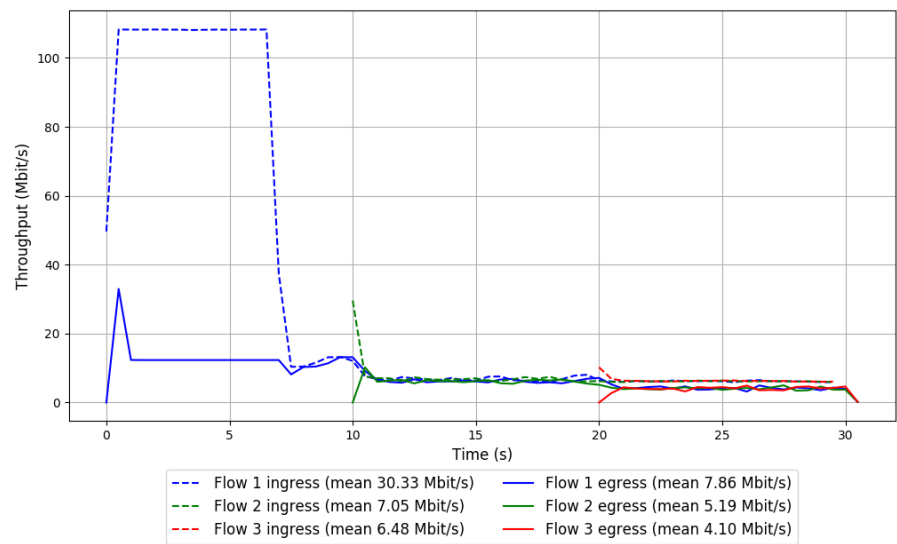


Run 5: Statistics of TaoVA-100x

Start at: 2018-11-30 08:49:04
End at: 2018-11-30 08:49:34
Local clock offset: 0.723 ms
Remote clock offset: -2.129 ms

Below is generated by plot.py at 2018-11-30 09:17:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 32.119 ms
Loss rate: 65.89%
-- Flow 1:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 32.198 ms
Loss rate: 74.09%
-- Flow 2:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 32.119 ms
Loss rate: 26.32%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 32.082 ms
Loss rate: 36.66%

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

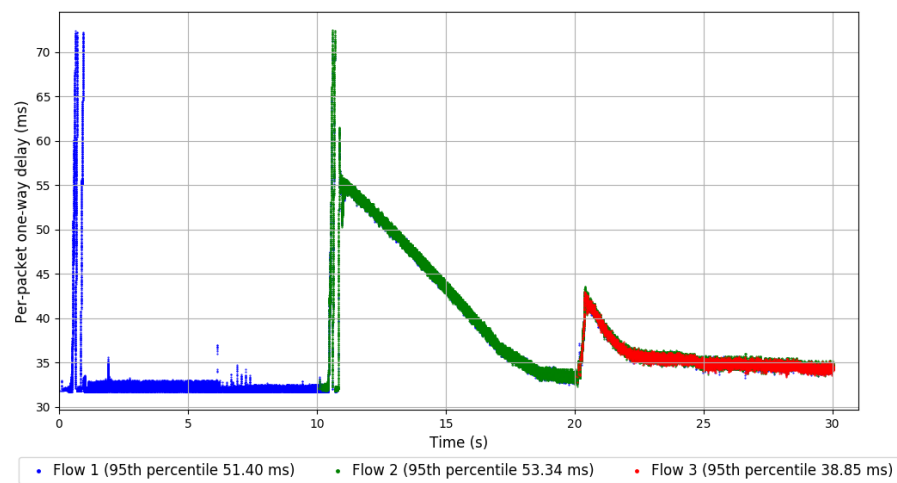
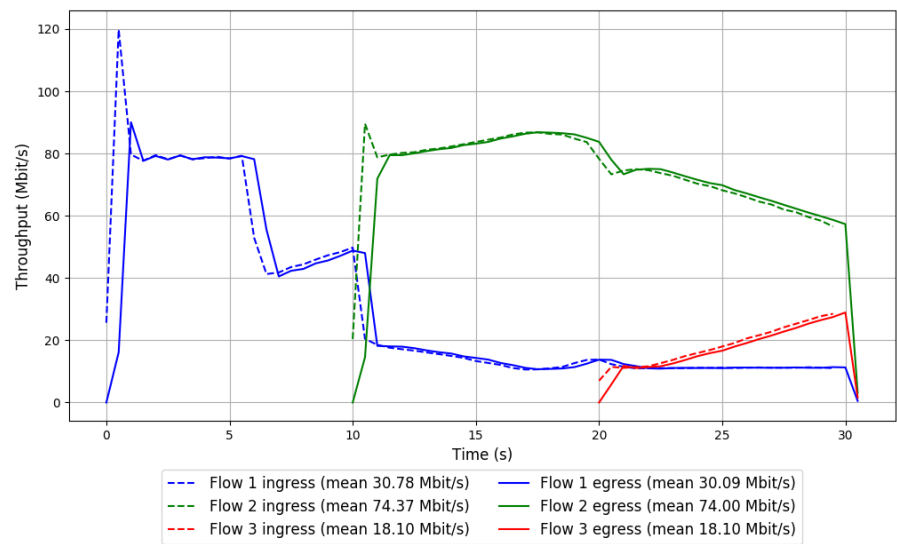


Run 1: Statistics of TCP Vegas

Start at: 2018-11-30 07:24:54
End at: 2018-11-30 07:25:24
Local clock offset: 0.3 ms
Remote clock offset: -3.287 ms

Below is generated by plot.py at 2018-11-30 09:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 52.764 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 51.398 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 74.00 Mbit/s
95th percentile per-packet one-way delay: 53.340 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 38.852 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

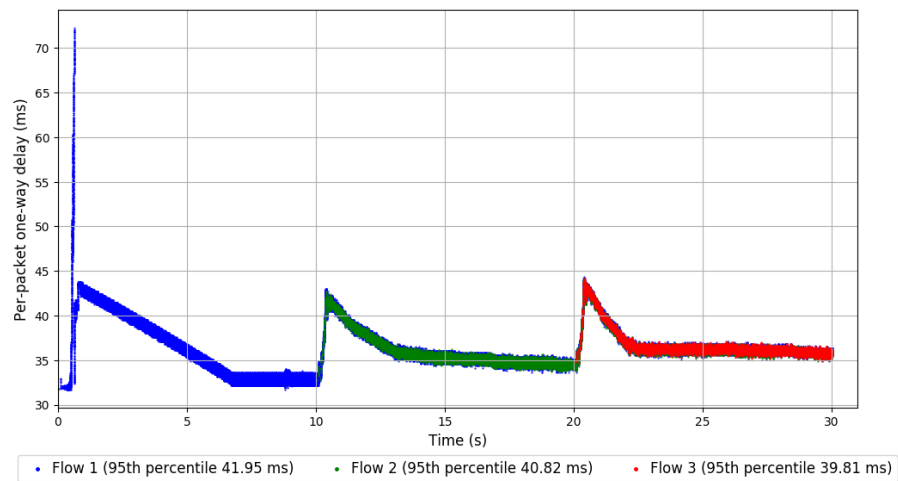
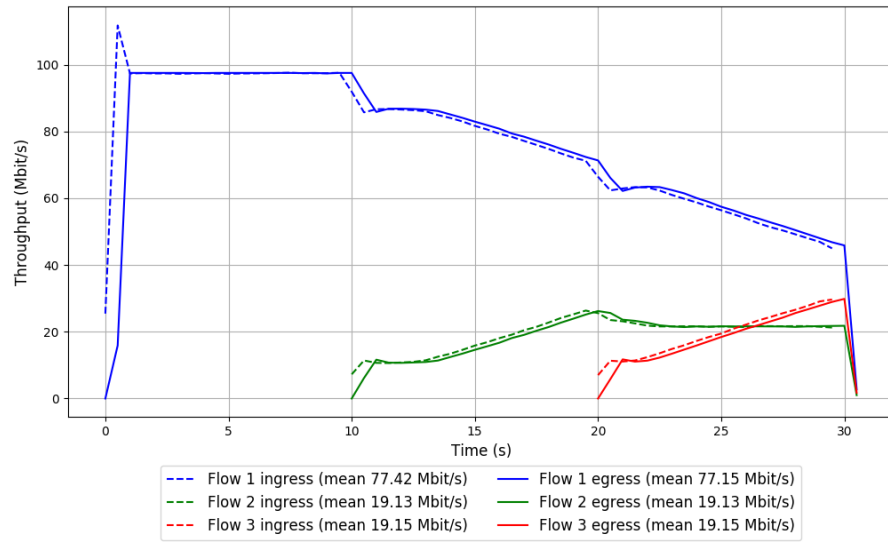


Run 2: Statistics of TCP Vegas

Start at: 2018-11-30 07:47:41
End at: 2018-11-30 07:48:11
Local clock offset: 0.325 ms
Remote clock offset: -3.273 ms

Below is generated by plot.py at 2018-11-30 09:18:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 41.751 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 41.949 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 19.13 Mbit/s
95th percentile per-packet one-way delay: 40.820 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 39.815 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

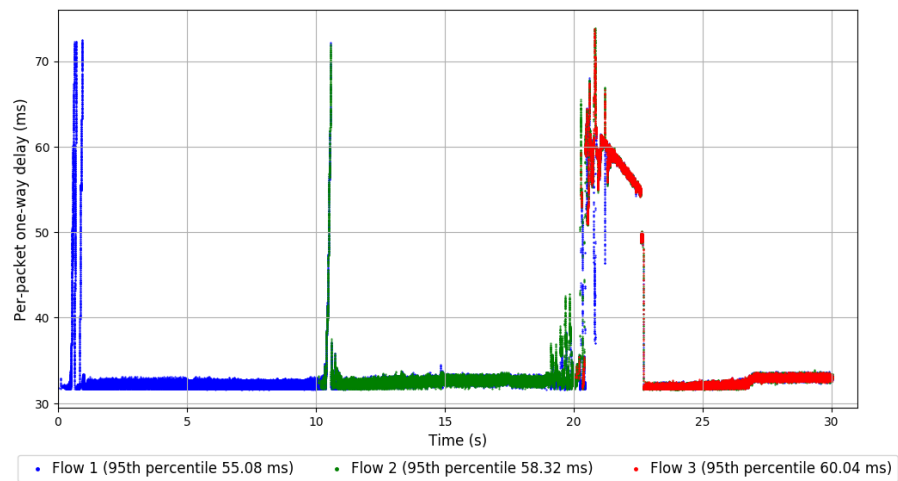
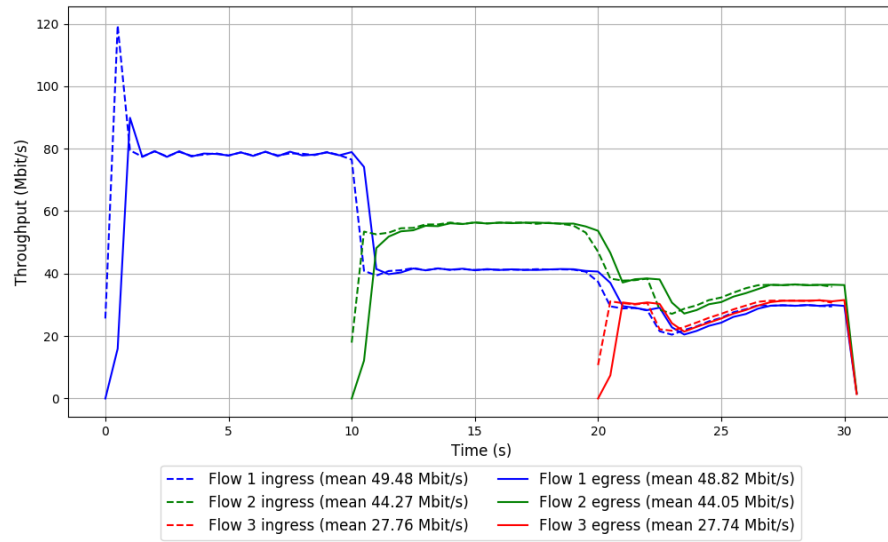


Run 3: Statistics of TCP Vegas

Start at: 2018-11-30 08:10:29
End at: 2018-11-30 08:10:59
Local clock offset: 0.419 ms
Remote clock offset: -2.651 ms

Below is generated by plot.py at 2018-11-30 09:18:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 57.804 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 55.079 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 58.322 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 60.038 ms
Loss rate: 0.06%

Run 3: Report of TCP Vegas — Data Link

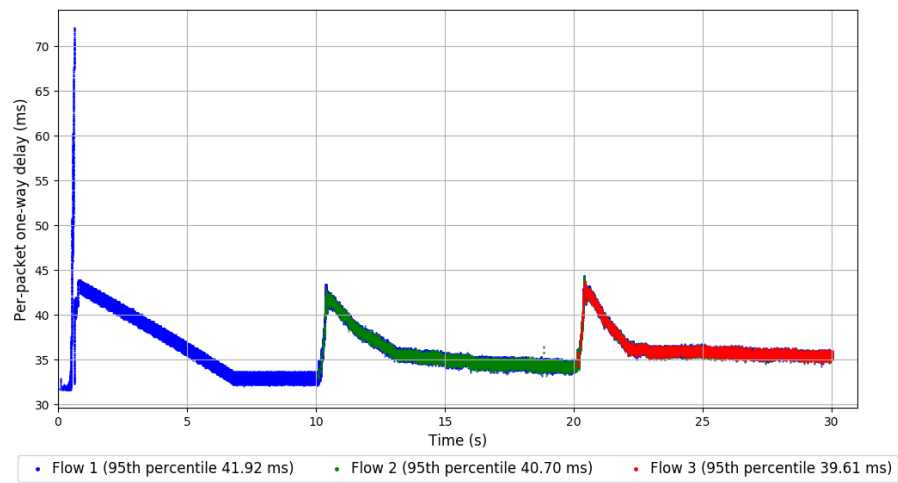
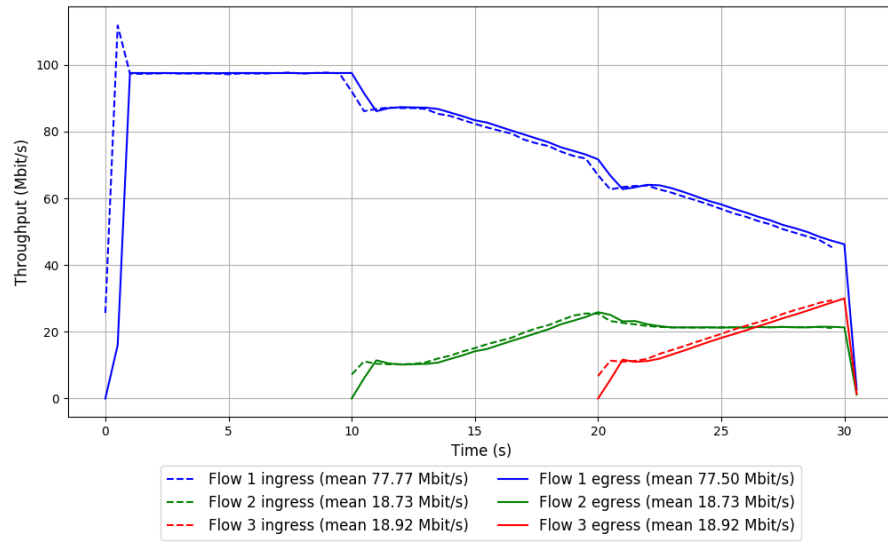


Run 4: Statistics of TCP Vegas

Start at: 2018-11-30 08:33:18
End at: 2018-11-30 08:33:48
Local clock offset: 0.224 ms
Remote clock offset: -2.172 ms

Below is generated by plot.py at 2018-11-30 09:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 41.830 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 41.919 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 40.698 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.92 Mbit/s
95th percentile per-packet one-way delay: 39.612 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

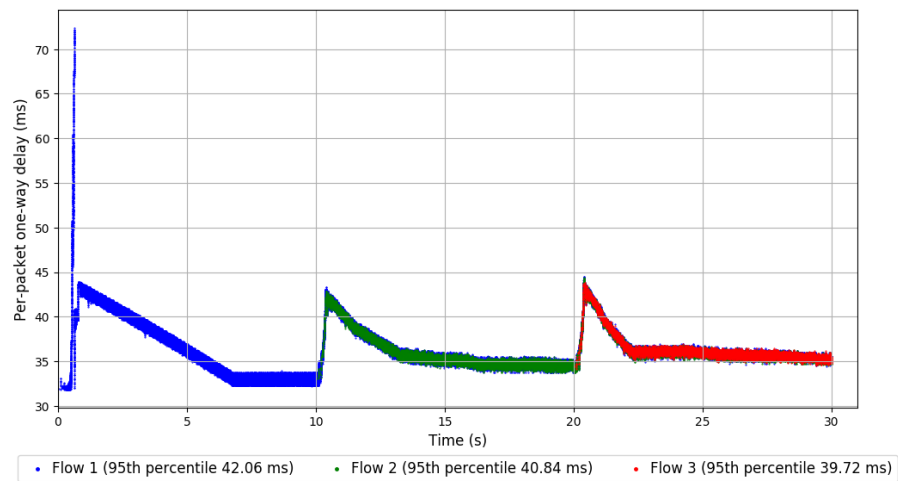
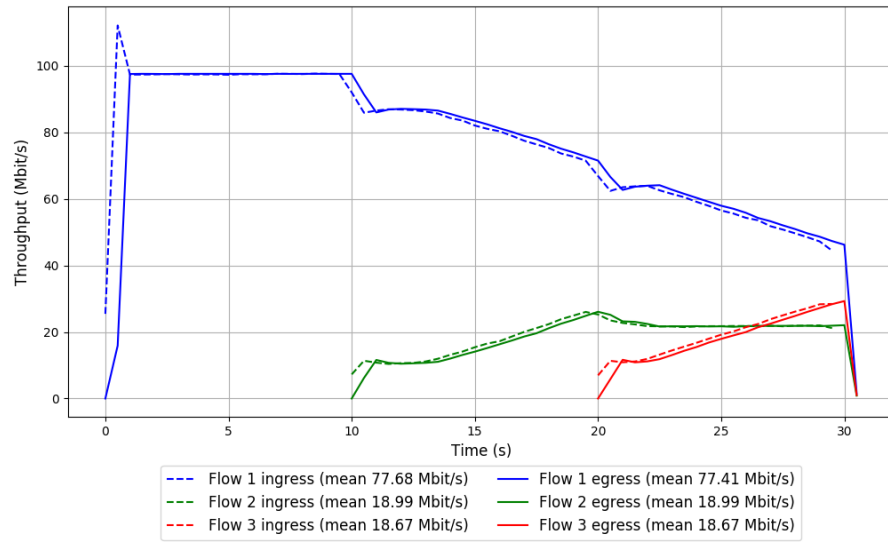


Run 5: Statistics of TCP Vegas

Start at: 2018-11-30 08:56:16
End at: 2018-11-30 08:56:46
Local clock offset: 1.248 ms
Remote clock offset: -2.238 ms

Below is generated by plot.py at 2018-11-30 09:18:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 41.856 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 77.41 Mbit/s
95th percentile per-packet one-way delay: 42.062 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 18.99 Mbit/s
95th percentile per-packet one-way delay: 40.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 39.719 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

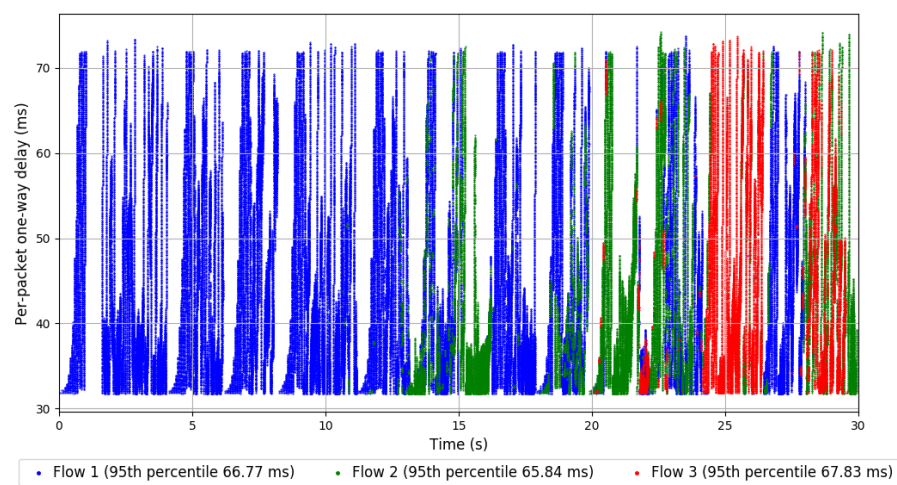
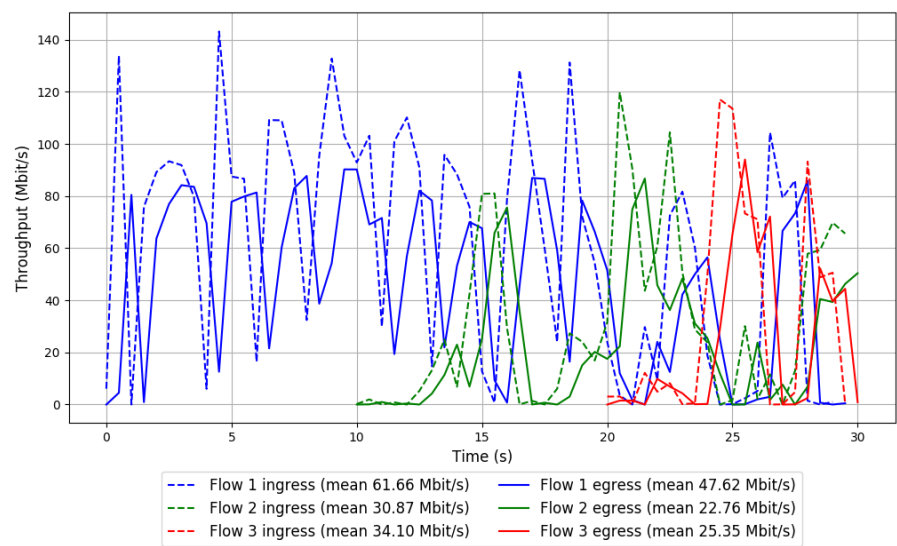


Run 1: Statistics of Verus

Start at: 2018-11-30 07:33:18
End at: 2018-11-30 07:33:48
Local clock offset: 0.278 ms
Remote clock offset: -3.322 ms

Below is generated by plot.py at 2018-11-30 09:18:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 66.763 ms
Loss rate: 24.07%
-- Flow 1:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 22.94%
-- Flow 2:
Average throughput: 22.76 Mbit/s
95th percentile per-packet one-way delay: 65.844 ms
Loss rate: 26.26%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 67.826 ms
Loss rate: 26.17%

Run 1: Report of Verus — Data Link

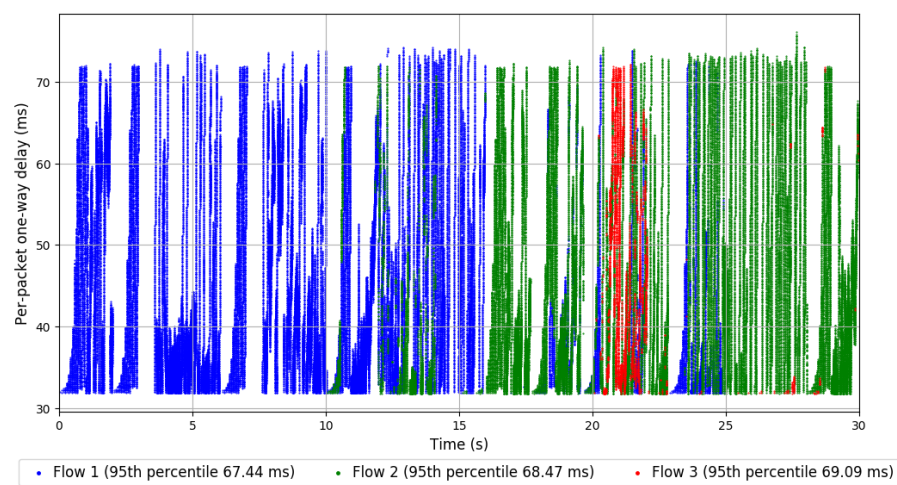
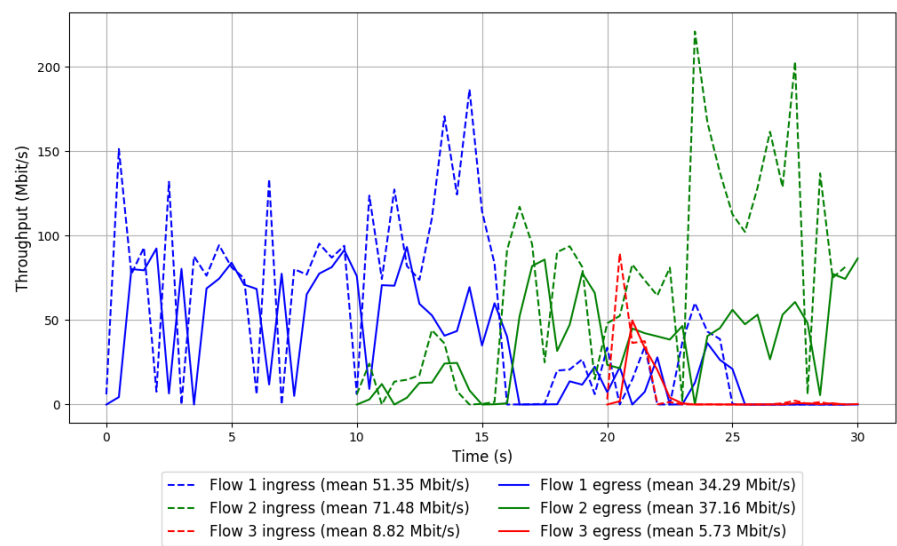


Run 2: Statistics of Verus

Start at: 2018-11-30 07:56:07
End at: 2018-11-30 07:56:37
Local clock offset: 0.377 ms
Remote clock offset: -2.997 ms

Below is generated by plot.py at 2018-11-30 09:18:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.91 Mbit/s
95th percentile per-packet one-way delay: 67.944 ms
Loss rate: 40.10%
-- Flow 1:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 67.435 ms
Loss rate: 33.15%
-- Flow 2:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 68.466 ms
Loss rate: 47.92%
-- Flow 3:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 69.089 ms
Loss rate: 34.80%

Run 2: Report of Verus — Data Link

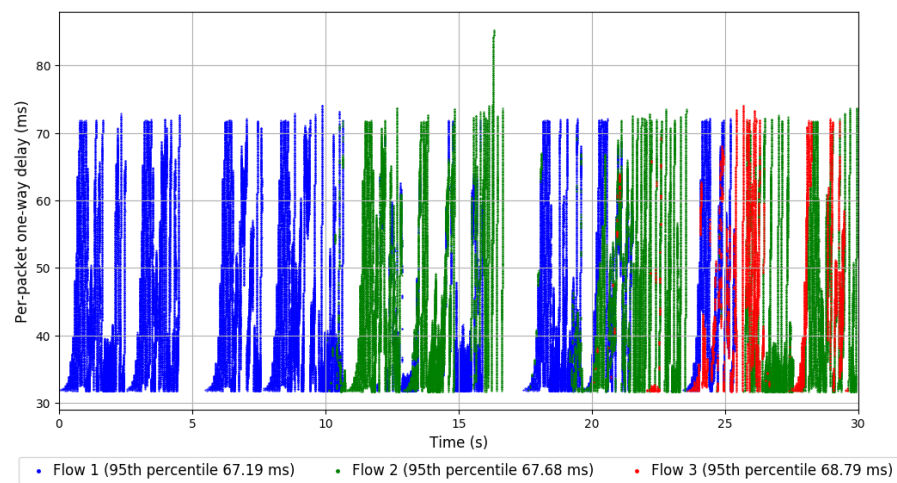
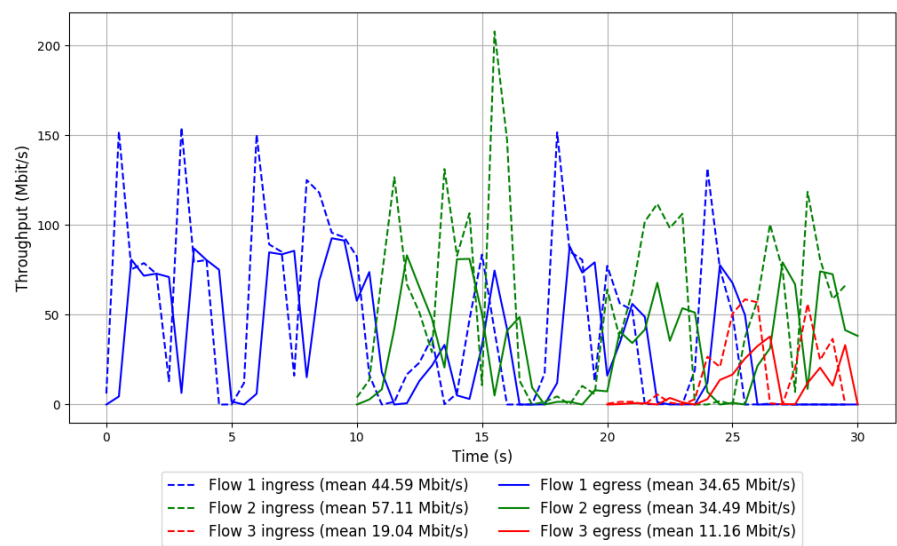


Run 3: Statistics of Verus

Start at: 2018-11-30 08:18:57
End at: 2018-11-30 08:19:27
Local clock offset: 0.335 ms
Remote clock offset: -2.242 ms

Below is generated by plot.py at 2018-11-30 09:18:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 67.471 ms
Loss rate: 31.01%
-- Flow 1:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 67.188 ms
Loss rate: 22.23%
-- Flow 2:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 67.679 ms
Loss rate: 39.58%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 68.790 ms
Loss rate: 41.77%

Run 3: Report of Verus — Data Link

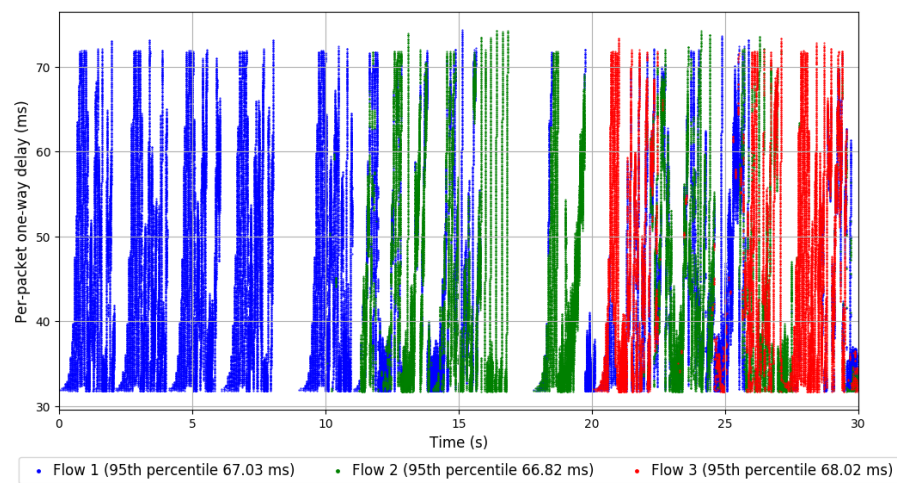
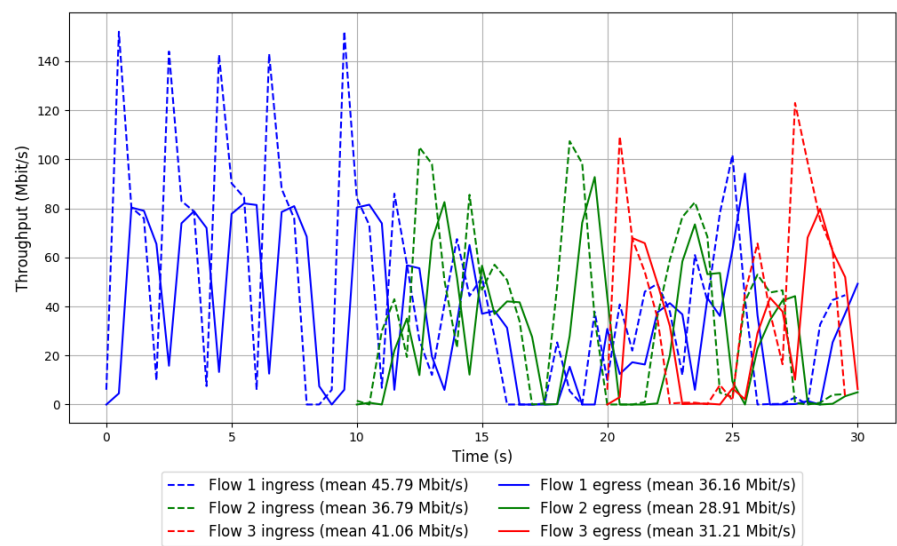


Run 4: Statistics of Verus

Start at: 2018-11-30 08:41:43
End at: 2018-11-30 08:42:13
Local clock offset: 0.196 ms
Remote clock offset: -1.949 ms

Below is generated by plot.py at 2018-11-30 09:19:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 67.152 ms
Loss rate: 21.62%
-- Flow 1:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 21.02%
-- Flow 2:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 66.821 ms
Loss rate: 21.42%
-- Flow 3:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 68.023 ms
Loss rate: 23.98%

Run 4: Report of Verus — Data Link

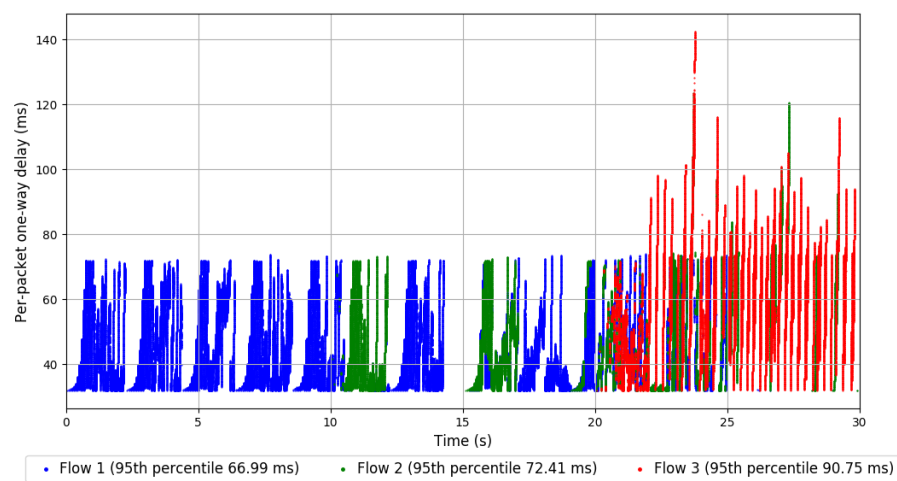
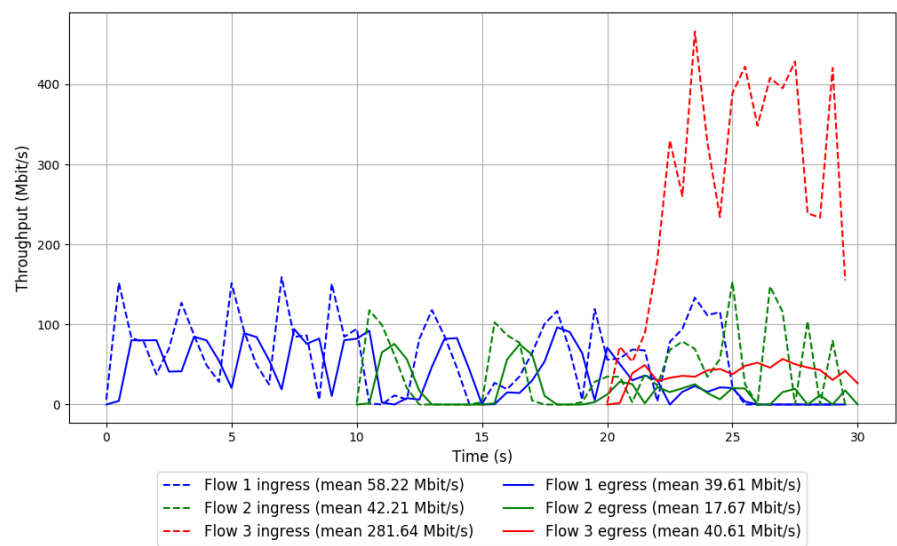


Run 5: Statistics of Verus

Start at: 2018-11-30 09:04:41
End at: 2018-11-30 09:05:11
Local clock offset: 1.576 ms
Remote clock offset: -2.415 ms

Below is generated by plot.py at 2018-11-30 09:19:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.39 Mbit/s
95th percentile per-packet one-way delay: 73.439 ms
Loss rate: 64.09%
-- Flow 1:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 66.993 ms
Loss rate: 32.87%
-- Flow 2:
Average throughput: 17.67 Mbit/s
95th percentile per-packet one-way delay: 72.405 ms
Loss rate: 58.15%
-- Flow 3:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 90.745 ms
Loss rate: 85.49%

Run 5: Report of Verus — Data Link

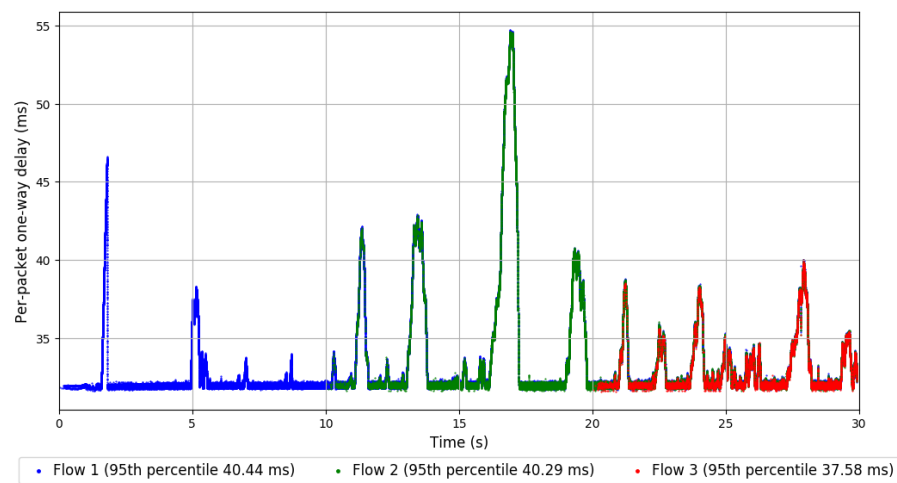
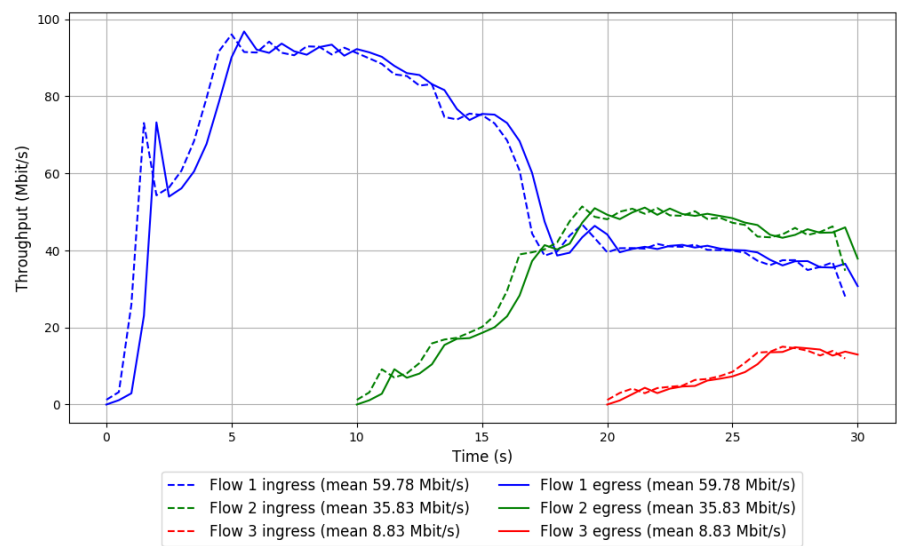


Run 1: Statistics of PCC-Vivace

Start at: 2018-11-30 07:23:40
End at: 2018-11-30 07:24:10
Local clock offset: 0.317 ms
Remote clock offset: -3.303 ms

Below is generated by plot.py at 2018-11-30 09:19:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 40.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 40.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 40.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 37.583 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

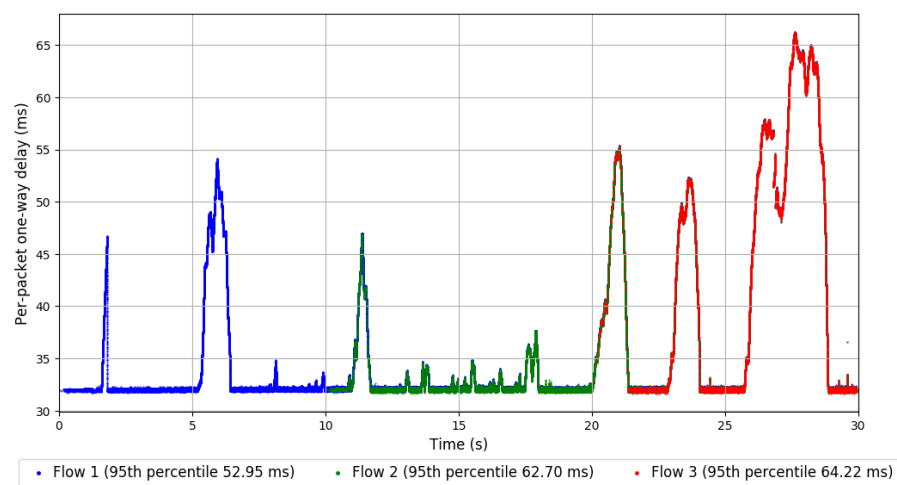
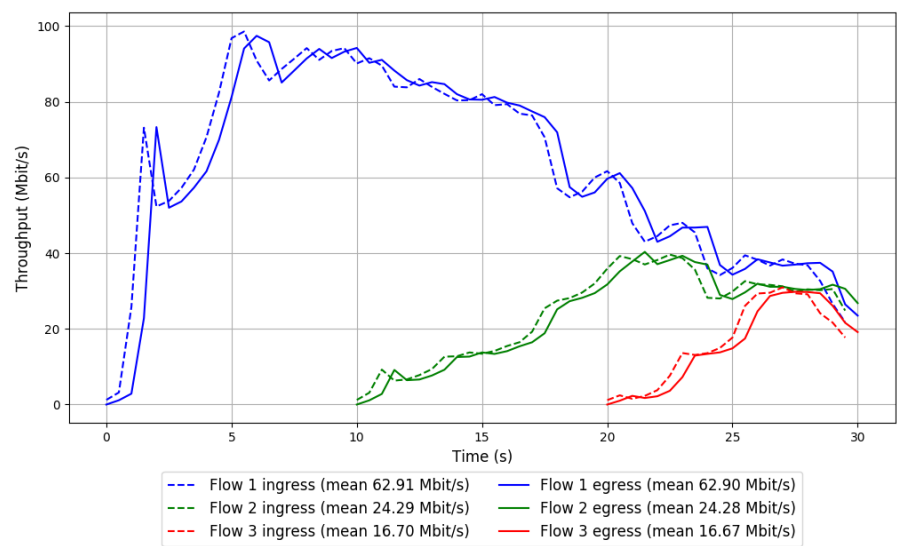


Run 2: Statistics of PCC-Vivace

Start at: 2018-11-30 07:46:25
End at: 2018-11-30 07:46:55
Local clock offset: 0.321 ms
Remote clock offset: -3.229 ms

Below is generated by plot.py at 2018-11-30 09:19:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.55 Mbit/s
95th percentile per-packet one-way delay: 57.360 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 52.949 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 62.705 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 16.67 Mbit/s
95th percentile per-packet one-way delay: 64.217 ms
Loss rate: 0.17%

Run 2: Report of PCC-Vivace — Data Link

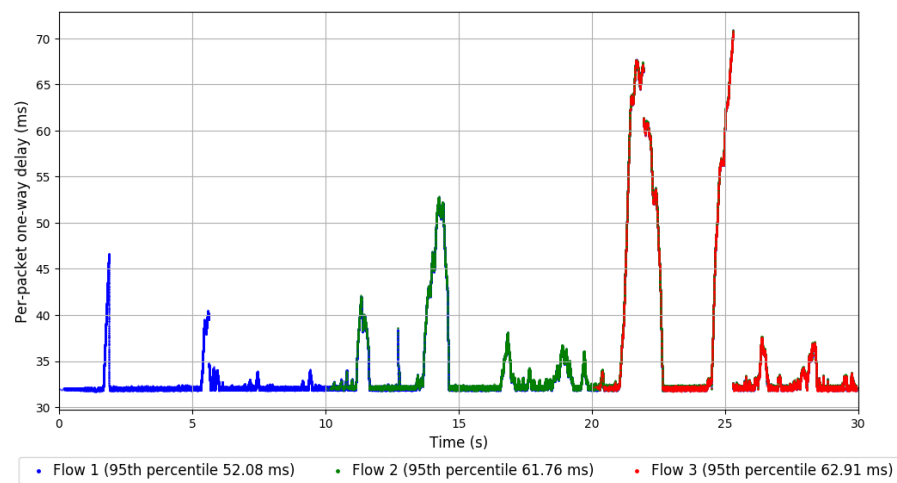
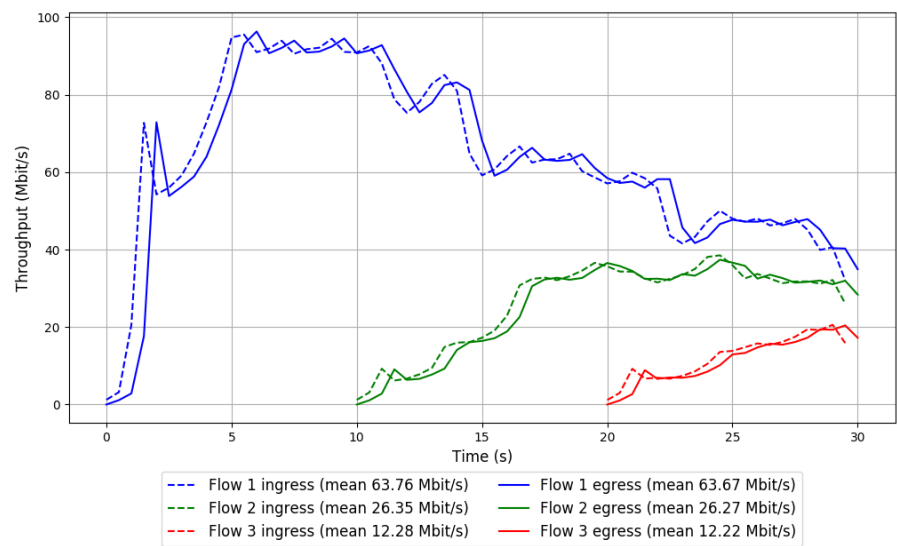


Run 3: Statistics of PCC-Vivace

Start at: 2018-11-30 08:09:13
End at: 2018-11-30 08:09:43
Local clock offset: 0.392 ms
Remote clock offset: -2.543 ms

Below is generated by plot.py at 2018-11-30 09:19:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.18 Mbit/s
95th percentile per-packet one-way delay: 56.459 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 63.67 Mbit/s
95th percentile per-packet one-way delay: 52.082 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 26.27 Mbit/s
95th percentile per-packet one-way delay: 61.756 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 62.913 ms
Loss rate: 0.49%

Run 3: Report of PCC-Vivace — Data Link

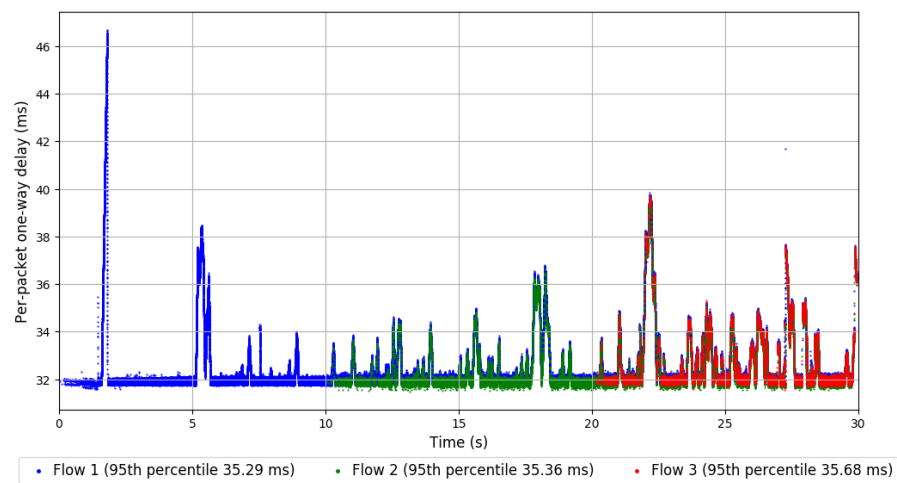
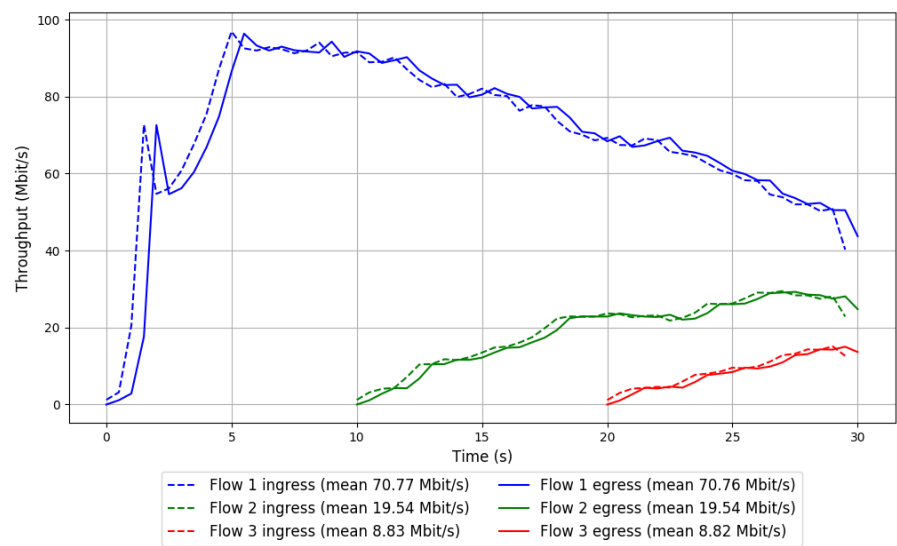


Run 4: Statistics of PCC-Vivace

Start at: 2018-11-30 08:32:04
End at: 2018-11-30 08:32:34
Local clock offset: 0.286 ms
Remote clock offset: -2.026 ms

Below is generated by plot.py at 2018-11-30 09:19:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 35.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.76 Mbit/s
95th percentile per-packet one-way delay: 35.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.54 Mbit/s
95th percentile per-packet one-way delay: 35.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 35.677 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

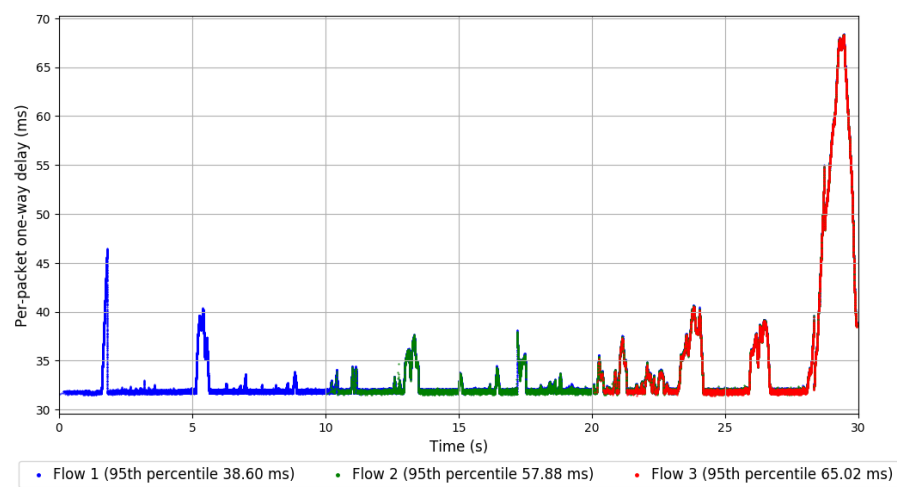
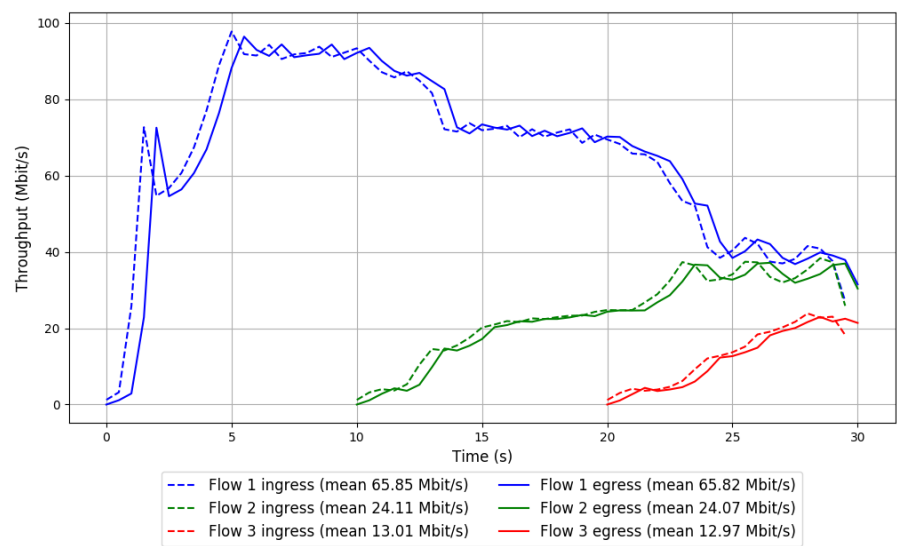


Run 5: Statistics of PCC-Vivace

Start at: 2018-11-30 08:55:02
End at: 2018-11-30 08:55:32
Local clock offset: 1.173 ms
Remote clock offset: -2.419 ms

Below is generated by plot.py at 2018-11-30 09:19:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 43.824 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 65.82 Mbit/s
95th percentile per-packet one-way delay: 38.602 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 57.885 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 65.017 ms
Loss rate: 0.26%

Run 5: Report of PCC-Vivace — Data Link

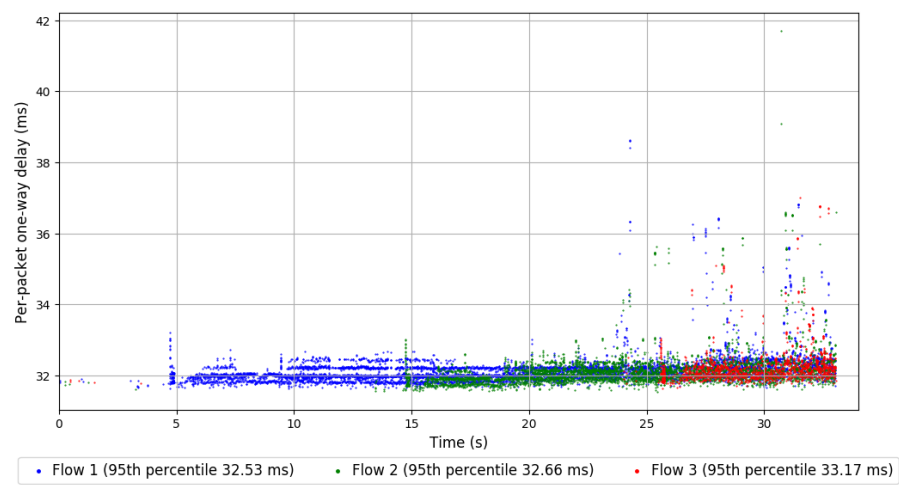
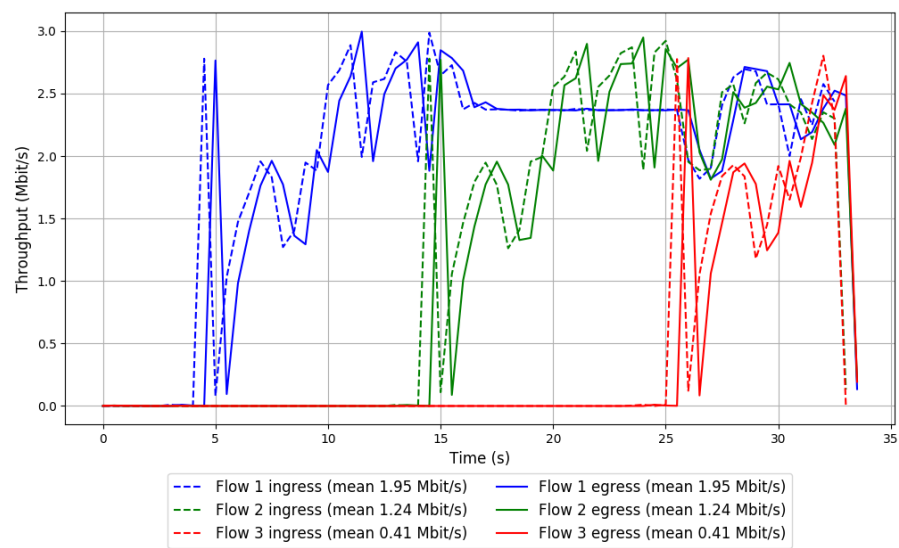


Run 1: Statistics of WebRTC media

Start at: 2018-11-30 07:22:31
End at: 2018-11-30 07:23:01
Local clock offset: 0.308 ms
Remote clock offset: -3.279 ms

Below is generated by plot.py at 2018-11-30 09:19:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 32.643 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 32.531 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 32.663 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 33.167 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

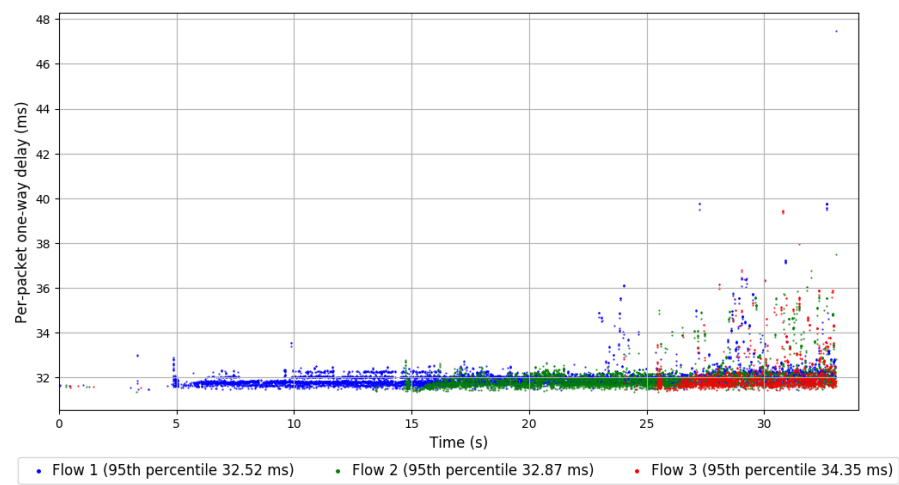
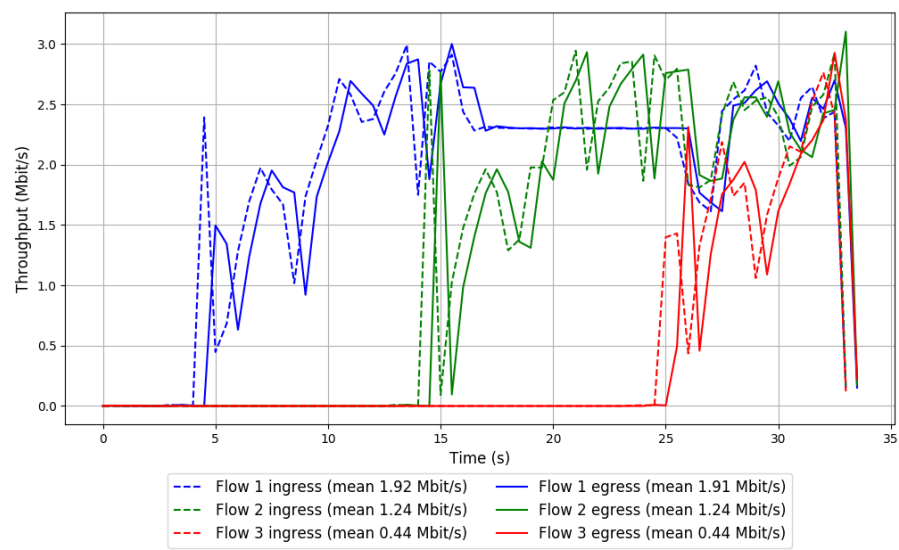


Run 2: Statistics of WebRTC media

Start at: 2018-11-30 07:45:17
End at: 2018-11-30 07:45:47
Local clock offset: 0.3 ms
Remote clock offset: -3.493 ms

Below is generated by plot.py at 2018-11-30 09:19:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 32.880 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 32.522 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 32.867 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 34.352 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

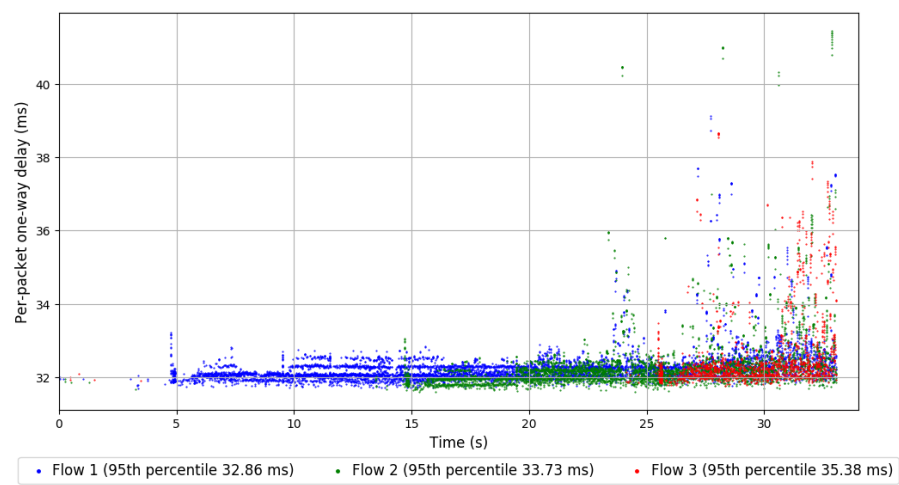
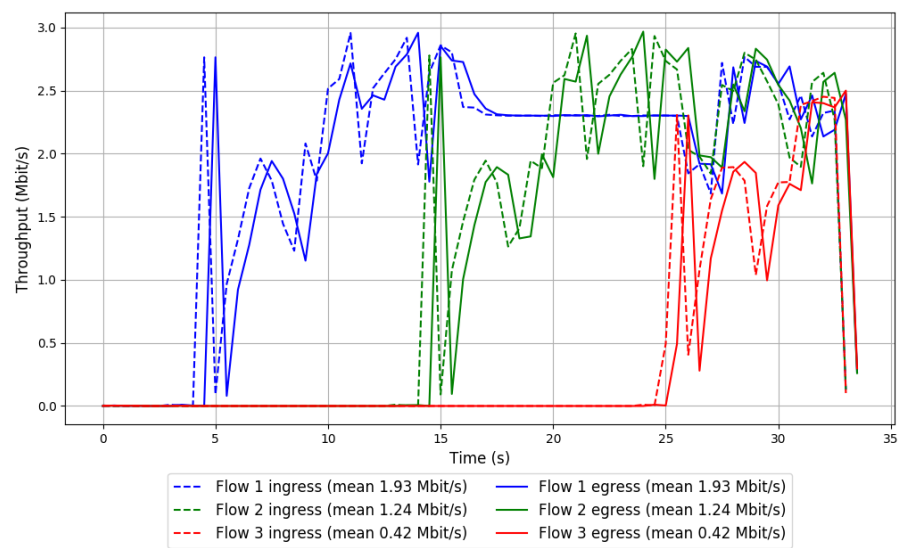


Run 3: Statistics of WebRTC media

Start at: 2018-11-30 08:08:04
End at: 2018-11-30 08:08:34
Local clock offset: 0.409 ms
Remote clock offset: -2.599 ms

Below is generated by plot.py at 2018-11-30 09:19:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 33.515 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 32.863 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 33.731 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 35.381 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

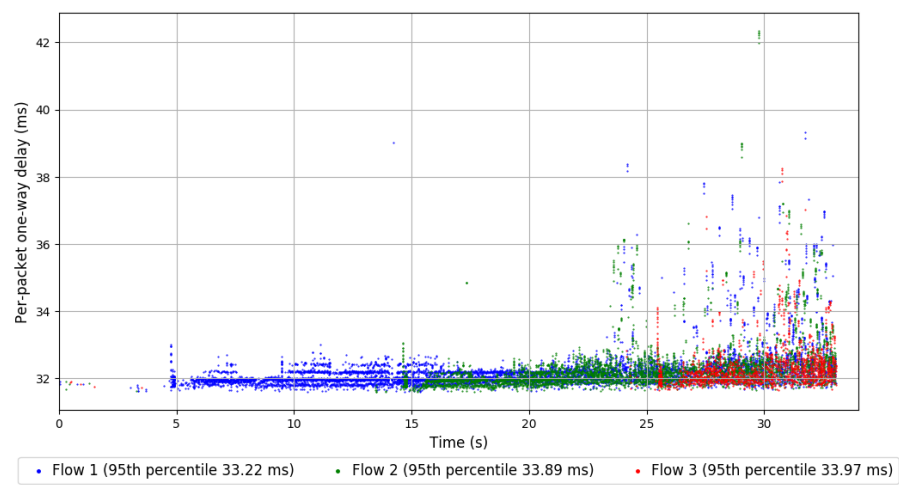
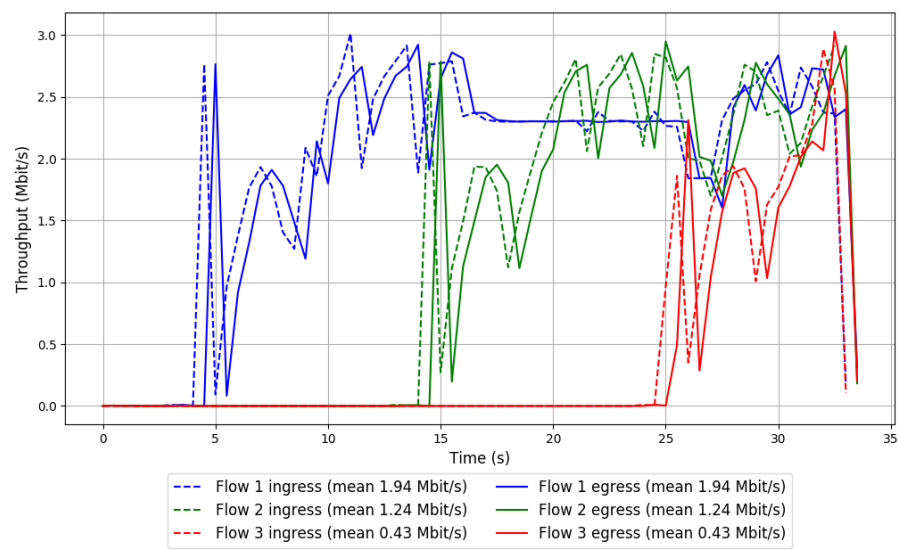


Run 4: Statistics of WebRTC media

Start at: 2018-11-30 08:30:55
End at: 2018-11-30 08:31:25
Local clock offset: 0.251 ms
Remote clock offset: -2.046 ms

Below is generated by plot.py at 2018-11-30 09:19:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 33.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 33.220 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 33.891 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.967 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-11-30 08:53:54
End at: 2018-11-30 08:54:24
Local clock offset: 1.104 ms
Remote clock offset: -2.147 ms

Below is generated by plot.py at 2018-11-30 09:19:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 33.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 33.172 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 33.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 34.077 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

