

Pantheon Report

Generated at 2018-06-30 01:39:15 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

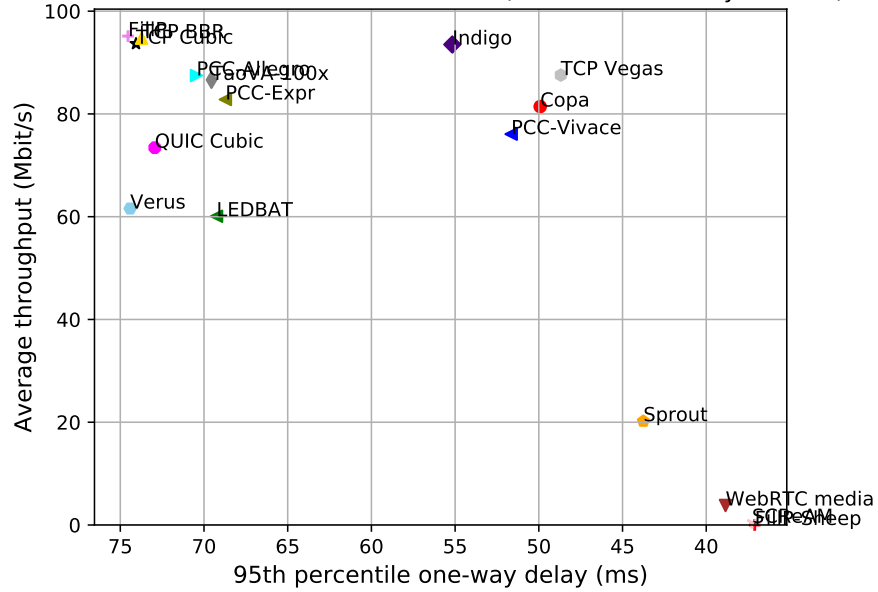
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

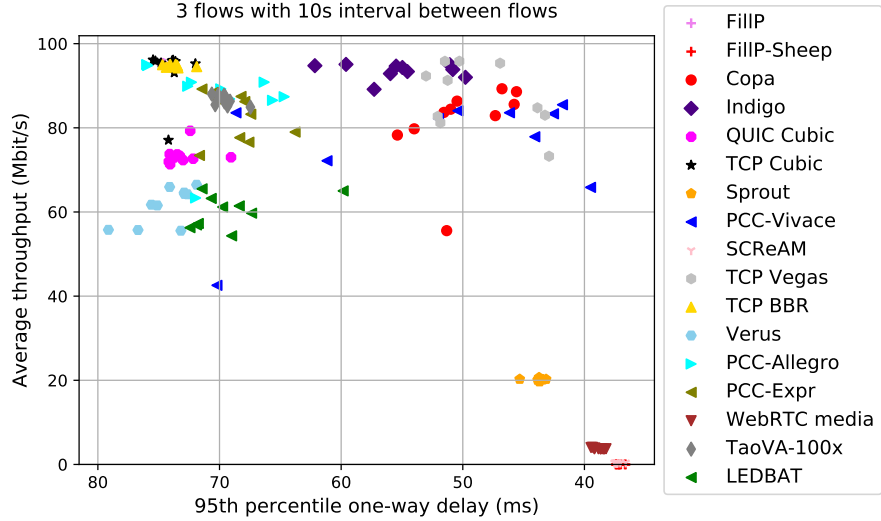
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from AWS California 2 to Mexico, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	64.42	29.38	32.71	73.42	74.26	73.93	9.10	11.52	12.24
Copa	10	57.51	25.14	21.66	52.63	46.72	47.40	0.55	0.17	0.12
TCP Cubic	10	61.65	35.21	25.79	74.46	72.98	69.13	0.73	0.78	0.65
FillP	10	61.51	35.94	29.55	74.16	75.00	75.01	21.51	31.15	35.29
FillP-Sheep	10	0.00	0.00	0.00	36.78	36.86	36.98	0.00	0.00	0.20
Indigo	10	64.33	30.26	27.89	52.30	57.76	60.50	0.09	0.11	0.37
LEDBAT	10	38.84	24.10	15.69	68.56	70.32	54.23	0.11	0.21	0.13
PCC-Allegro	10	77.97	10.82	7.00	70.14	71.49	70.67	5.73	5.25	5.97
PCC-Expr	10	64.77	20.32	13.70	67.69	70.04	69.94	1.82	1.62	1.89
QUIC Cubic	10	54.45	20.53	16.24	72.75	73.16	73.56	4.27	1.14	1.52
SCReAM	10	0.22	0.22	0.21	36.96	36.88	37.16	0.00	0.02	0.09
Sprout	10	10.29	10.14	9.60	43.45	43.98	44.29	0.03	0.03	0.06
TaoVA-100x	10	51.98	39.66	24.82	67.15	70.74	72.25	12.42	21.90	19.51
TCP Vegas	10	60.98	29.68	20.44	47.98	48.40	47.47	0.55	0.10	0.10
Verus	10	39.57	24.18	19.05	73.89	74.48	73.50	38.18	45.37	39.84
PCC-Vivace	10	59.31	19.44	11.60	50.95	51.83	53.49	0.25	0.28	0.35
WebRTC media	10	2.05	1.30	0.46	38.36	38.83	39.90	0.03	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-29 21:01:12

End at: 2018-06-29 21:01:42

Local clock offset: 0.7 ms

Remote clock offset: 7.16 ms

Below is generated by plot.py at 2018-06-30 01:17:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 73.453 ms

Loss rate: 10.64%

-- Flow 1:

Average throughput: 65.34 Mbit/s

95th percentile per-packet one-way delay: 72.842 ms

Loss rate: 10.01%

-- Flow 2:

Average throughput: 29.85 Mbit/s

95th percentile per-packet one-way delay: 74.651 ms

Loss rate: 12.07%

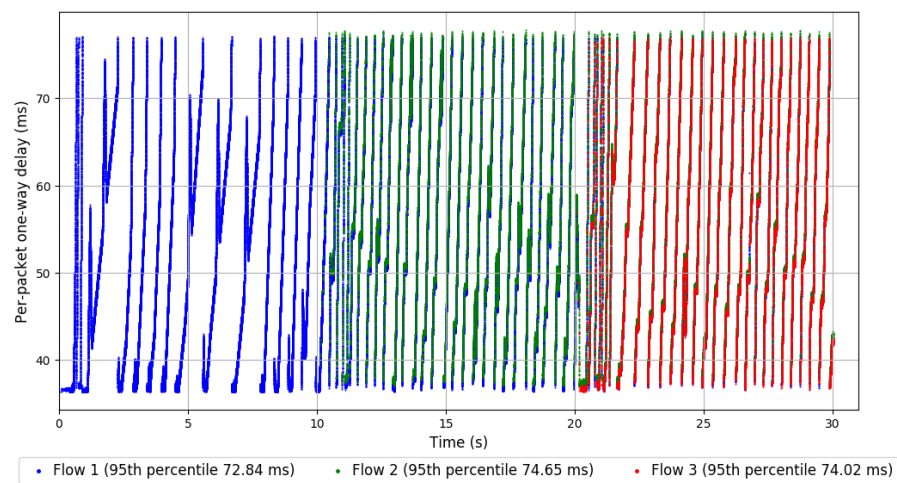
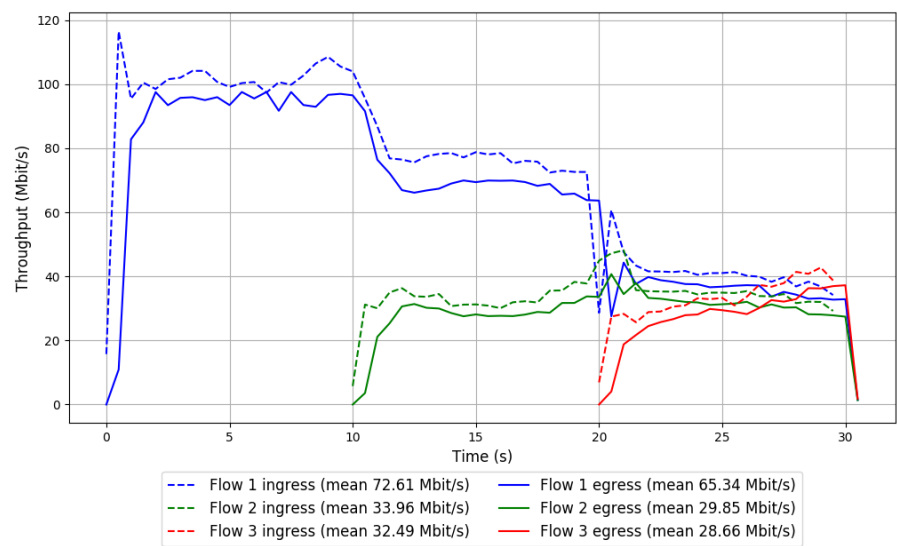
-- Flow 3:

Average throughput: 28.66 Mbit/s

95th percentile per-packet one-way delay: 74.021 ms

Loss rate: 11.92%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-29 21:27:06

End at: 2018-06-29 21:27:36

Local clock offset: -0.715 ms

Remote clock offset: 7.678 ms

Below is generated by plot.py at 2018-06-30 01:17:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 74.184 ms

Loss rate: 12.06%

-- Flow 1:

Average throughput: 59.44 Mbit/s

95th percentile per-packet one-way delay: 74.055 ms

Loss rate: 10.27%

-- Flow 2:

Average throughput: 33.90 Mbit/s

95th percentile per-packet one-way delay: 74.338 ms

Loss rate: 13.95%

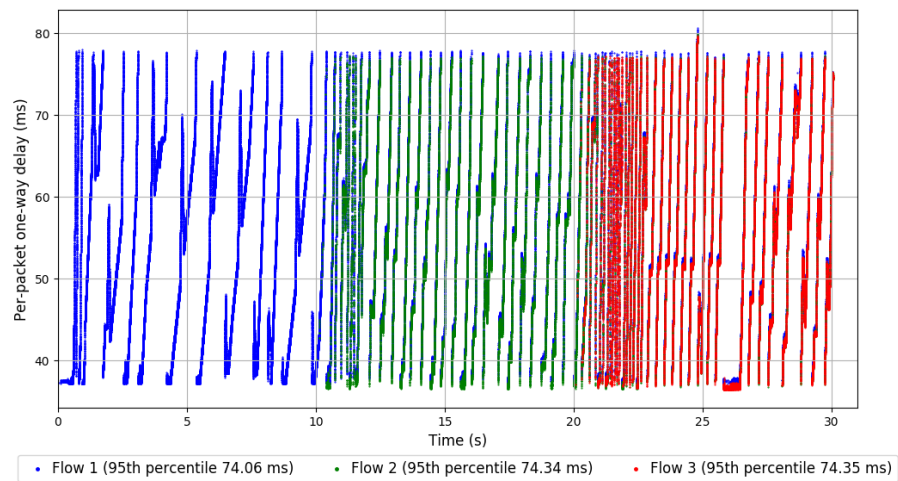
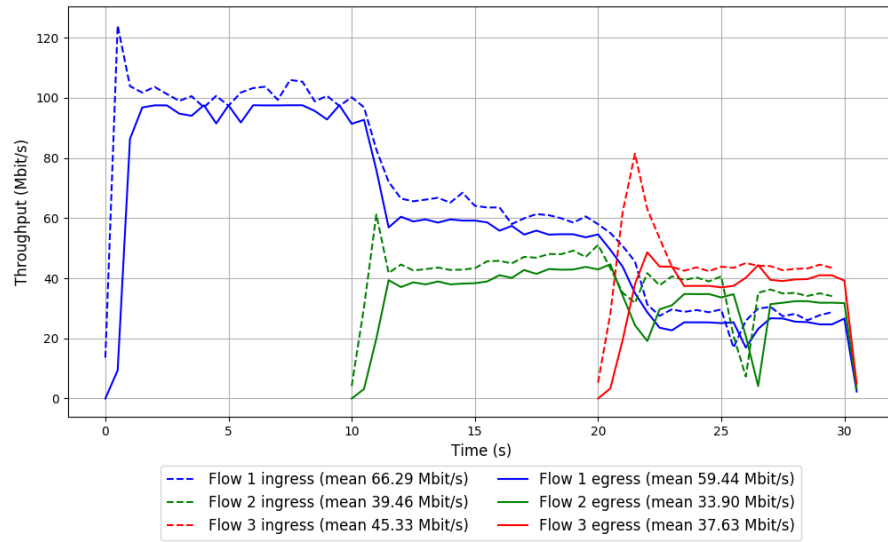
-- Flow 3:

Average throughput: 37.63 Mbit/s

95th percentile per-packet one-way delay: 74.351 ms

Loss rate: 16.66%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-29 21:53:05

End at: 2018-06-29 21:53:35

Local clock offset: 1.867 ms

Remote clock offset: 8.972 ms

Below is generated by plot.py at 2018-06-30 01:17:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.39 Mbit/s

95th percentile per-packet one-way delay: 74.376 ms

Loss rate: 10.53%

-- Flow 1:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 74.166 ms

Loss rate: 9.50%

-- Flow 2:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 74.321 ms

Loss rate: 12.48%

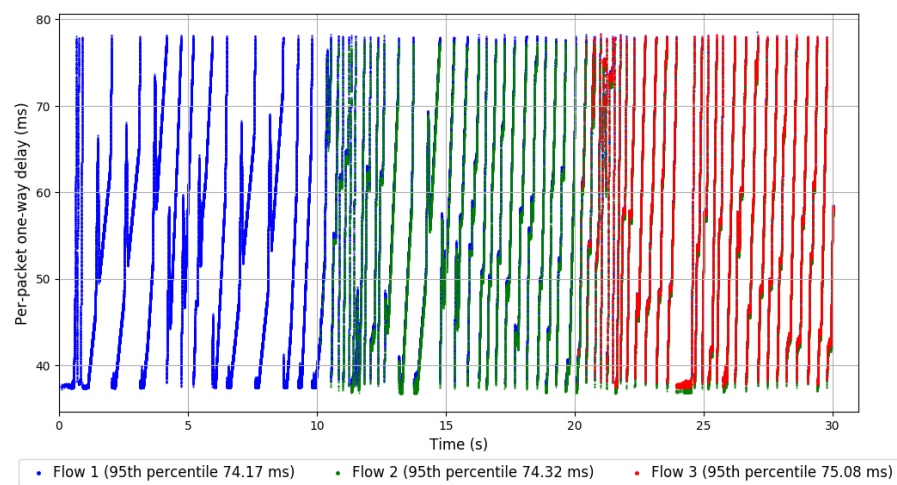
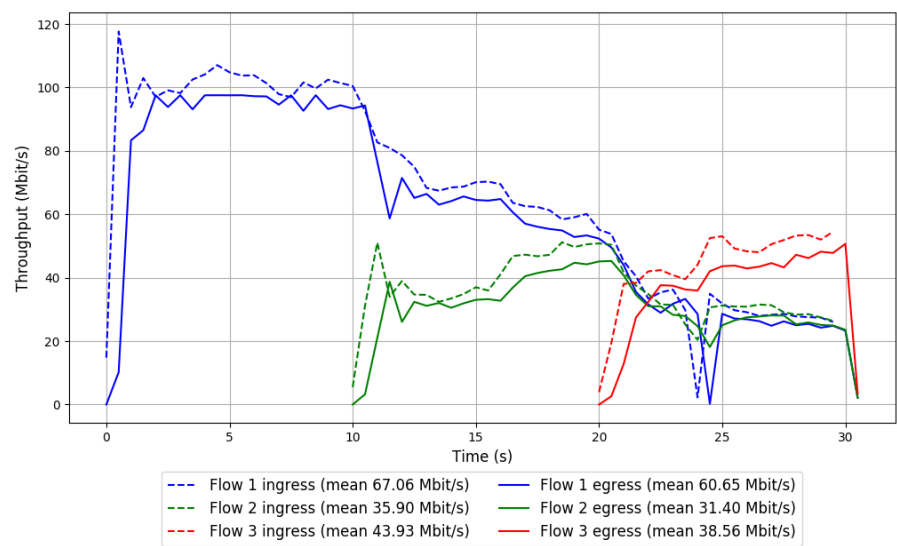
-- Flow 3:

Average throughput: 38.56 Mbit/s

95th percentile per-packet one-way delay: 75.076 ms

Loss rate: 12.04%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-29 22:18:30

End at: 2018-06-29 22:19:00

Local clock offset: 5.434 ms

Remote clock offset: 8.727 ms

Below is generated by plot.py at 2018-06-30 01:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 74.685 ms

Loss rate: 11.20%

-- Flow 1:

Average throughput: 61.87 Mbit/s

95th percentile per-packet one-way delay: 74.060 ms

Loss rate: 10.11%

-- Flow 2:

Average throughput: 41.18 Mbit/s

95th percentile per-packet one-way delay: 75.701 ms

Loss rate: 12.95%

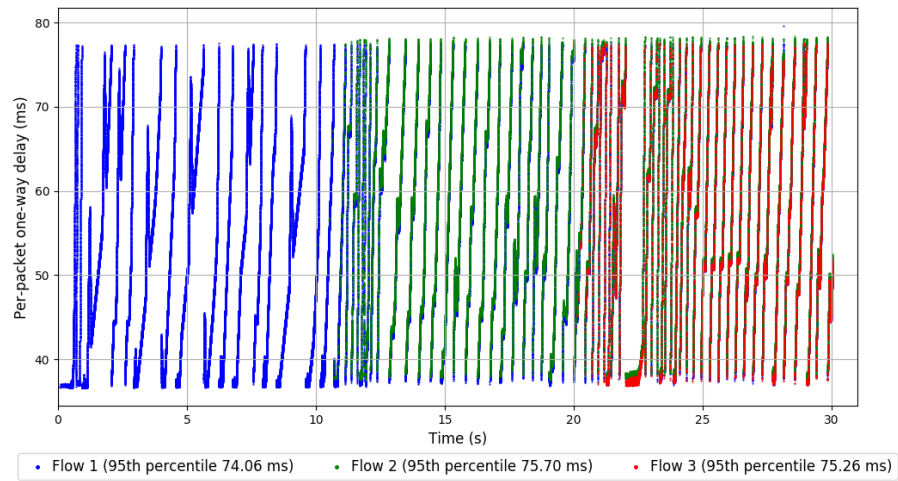
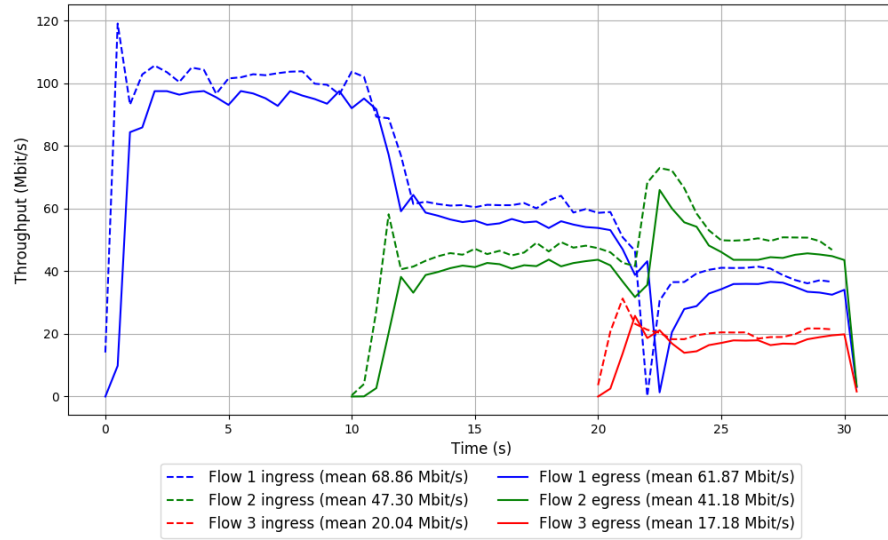
-- Flow 3:

Average throughput: 17.18 Mbit/s

95th percentile per-packet one-way delay: 75.262 ms

Loss rate: 14.21%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-29 22:45:03

End at: 2018-06-29 22:45:33

Local clock offset: 7.269 ms

Remote clock offset: 3.525 ms

Below is generated by plot.py at 2018-06-30 01:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.10 Mbit/s

95th percentile per-packet one-way delay: 74.051 ms

Loss rate: 10.21%

-- Flow 1:

Average throughput: 68.93 Mbit/s

95th percentile per-packet one-way delay: 74.435 ms

Loss rate: 9.94%

-- Flow 2:

Average throughput: 20.57 Mbit/s

95th percentile per-packet one-way delay: 73.370 ms

Loss rate: 11.33%

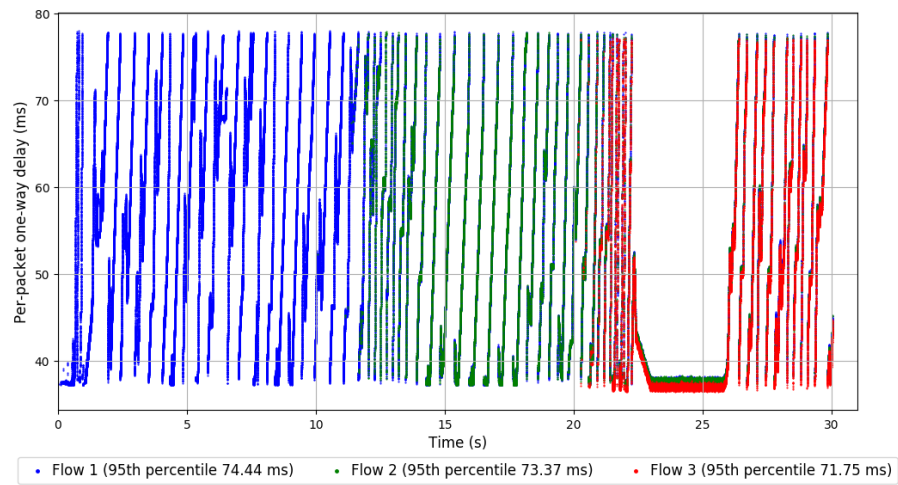
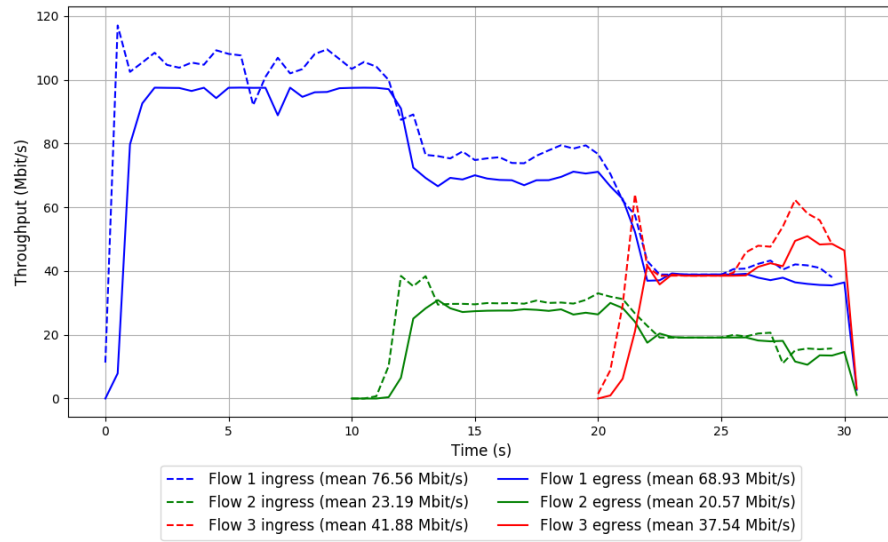
-- Flow 3:

Average throughput: 37.54 Mbit/s

95th percentile per-packet one-way delay: 71.753 ms

Loss rate: 10.46%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-29 23:12:33

End at: 2018-06-29 23:13:03

Local clock offset: 3.728 ms

Remote clock offset: 3.359 ms

Below is generated by plot.py at 2018-06-30 01:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 74.095 ms

Loss rate: 8.73%

-- Flow 1:

Average throughput: 65.74 Mbit/s

95th percentile per-packet one-way delay: 73.883 ms

Loss rate: 7.70%

-- Flow 2:

Average throughput: 30.21 Mbit/s

95th percentile per-packet one-way delay: 74.693 ms

Loss rate: 10.04%

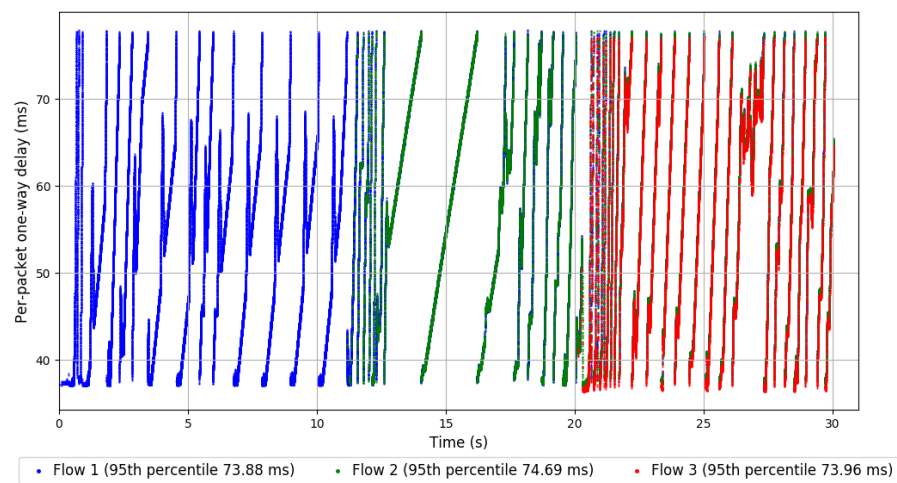
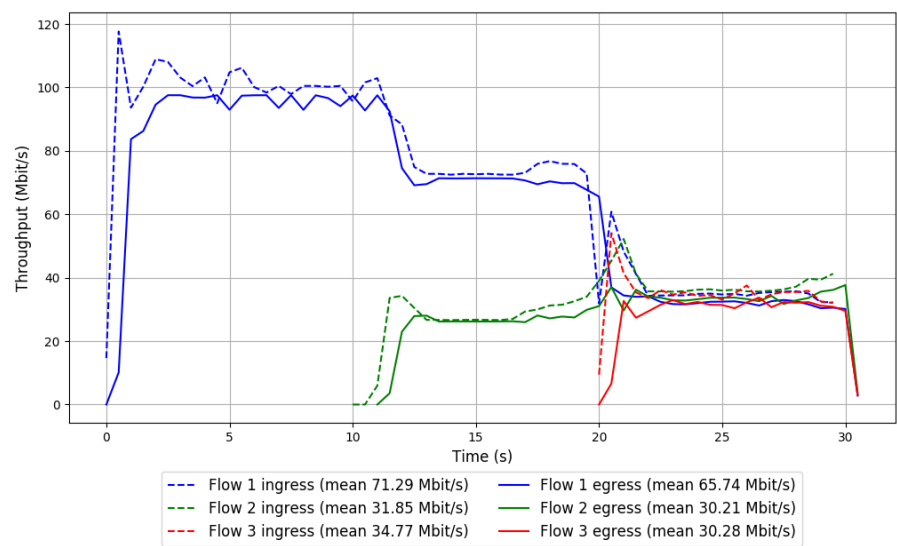
-- Flow 3:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 73.963 ms

Loss rate: 12.70%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-29 23:37:40

End at: 2018-06-29 23:38:10

Local clock offset: 0.13 ms

Remote clock offset: 3.877 ms

Below is generated by plot.py at 2018-06-30 01:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 71.876 ms

Loss rate: 8.18%

-- Flow 1:

Average throughput: 63.32 Mbit/s

95th percentile per-packet one-way delay: 71.745 ms

Loss rate: 7.67%

-- Flow 2:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 72.344 ms

Loss rate: 9.02%

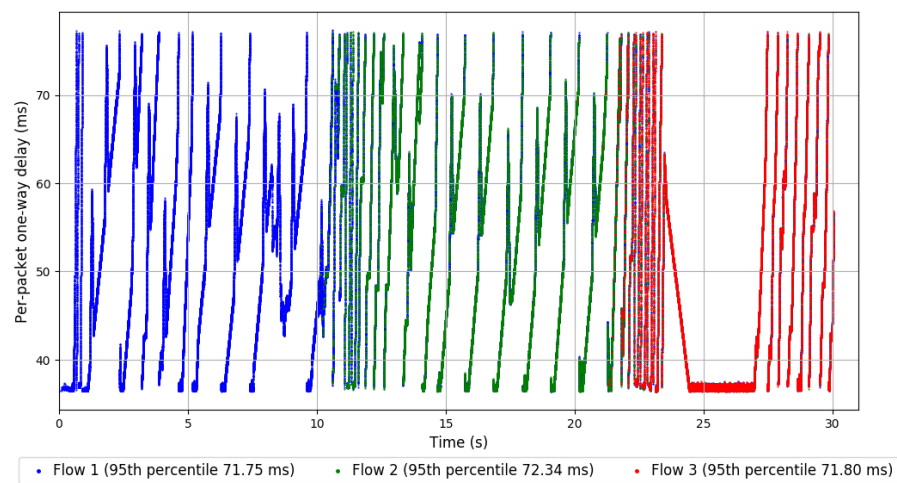
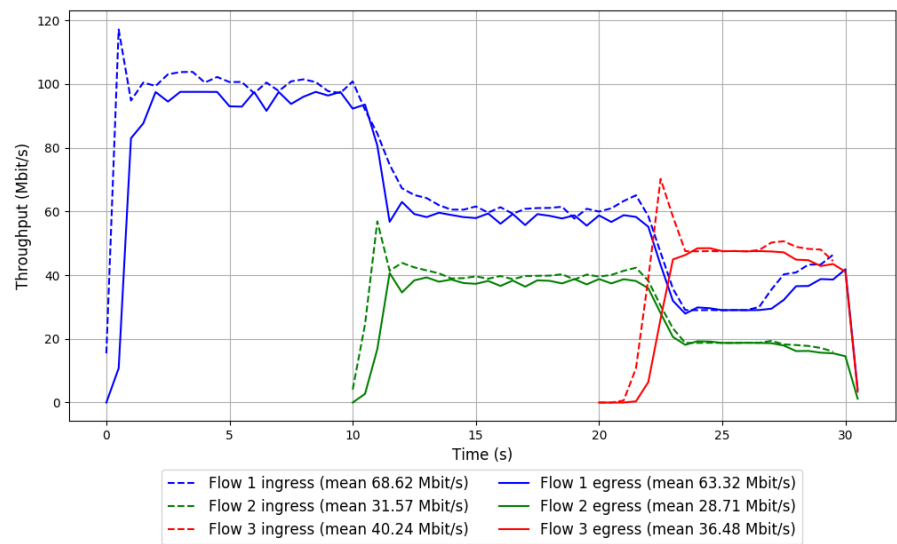
-- Flow 3:

Average throughput: 36.48 Mbit/s

95th percentile per-packet one-way delay: 71.795 ms

Loss rate: 9.48%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-30 00:02:25

End at: 2018-06-30 00:02:55

Local clock offset: 0.033 ms

Remote clock offset: 4.039 ms

Below is generated by plot.py at 2018-06-30 01:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 73.414 ms

Loss rate: 9.47%

-- Flow 1:

Average throughput: 71.36 Mbit/s

95th percentile per-packet one-way delay: 73.032 ms

Loss rate: 8.69%

-- Flow 2:

Average throughput: 19.24 Mbit/s

95th percentile per-packet one-way delay: 74.193 ms

Loss rate: 12.35%

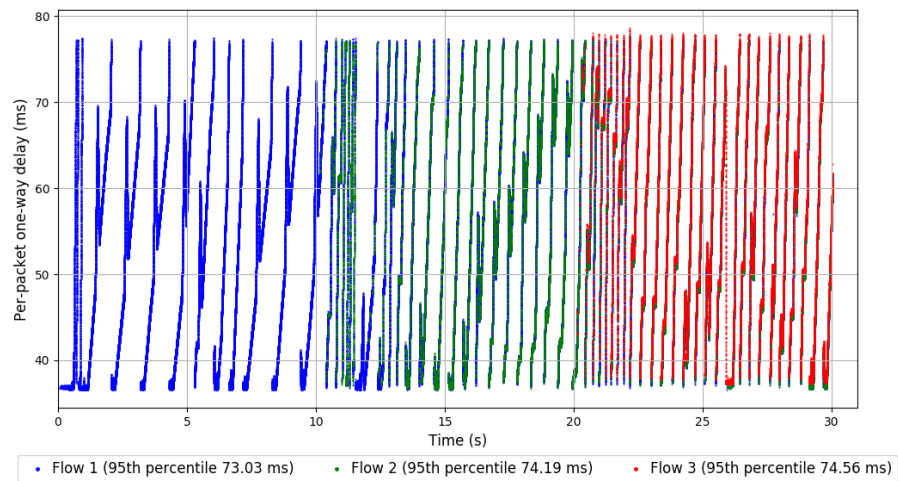
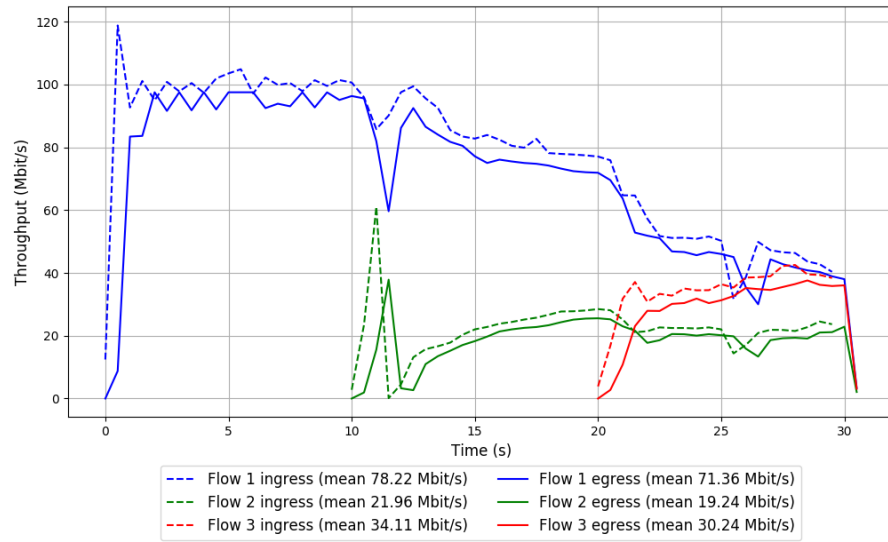
-- Flow 3:

Average throughput: 30.24 Mbit/s

95th percentile per-packet one-way delay: 74.563 ms

Loss rate: 11.15%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-30 00:27:36

End at: 2018-06-30 00:28:06

Local clock offset: 0.261 ms

Remote clock offset: 3.632 ms

Below is generated by plot.py at 2018-06-30 01:18:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.92 Mbit/s

95th percentile per-packet one-way delay: 73.514 ms

Loss rate: 9.30%

-- Flow 1:

Average throughput: 59.27 Mbit/s

95th percentile per-packet one-way delay: 72.839 ms

Loss rate: 8.55%

-- Flow 2:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 74.609 ms

Loss rate: 9.70%

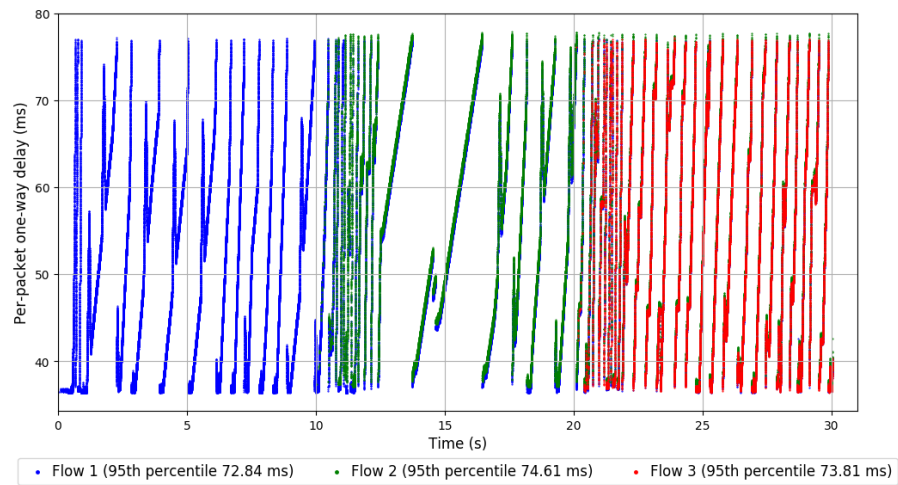
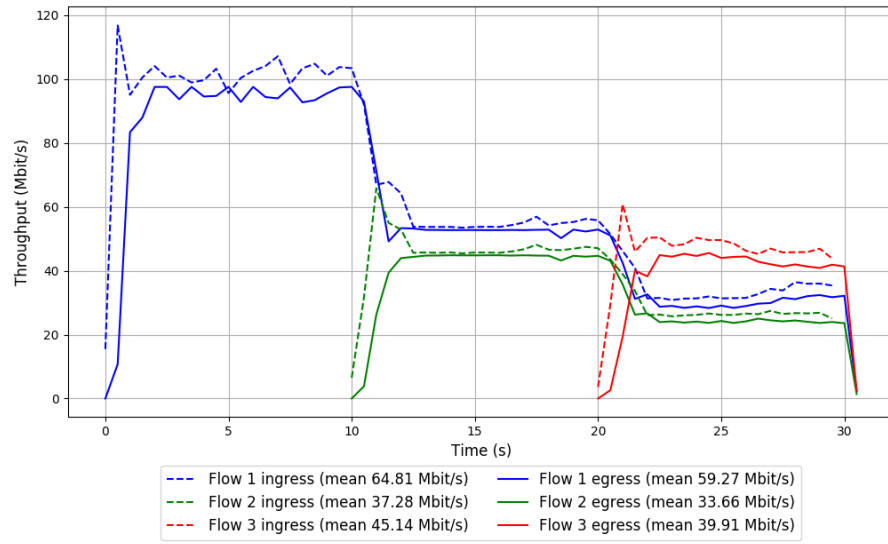
-- Flow 3:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 73.810 ms

Loss rate: 11.91%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-30 00:53:19

End at: 2018-06-30 00:53:49

Local clock offset: 0.329 ms

Remote clock offset: 4.491 ms

Below is generated by plot.py at 2018-06-30 01:18:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 73.615 ms

Loss rate: 9.41%

-- Flow 1:

Average throughput: 68.23 Mbit/s

95th percentile per-packet one-way delay: 73.146 ms

Loss rate: 8.57%

-- Flow 2:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 74.339 ms

Loss rate: 11.29%

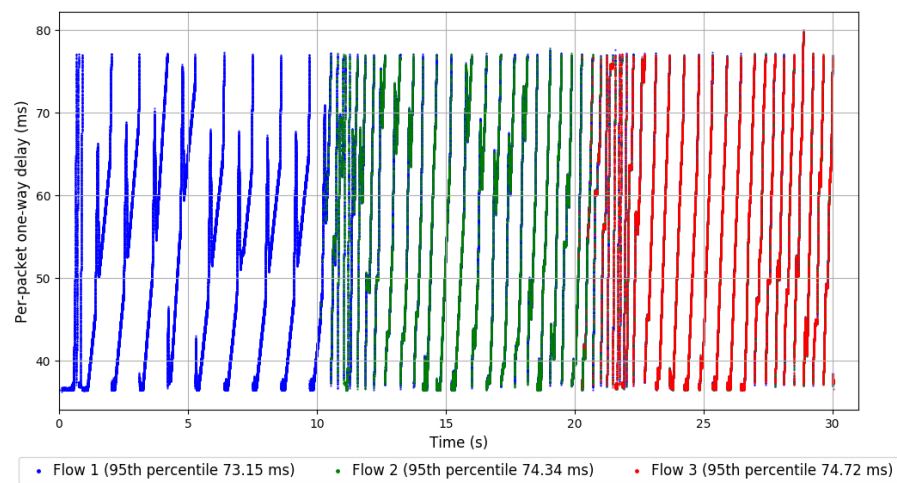
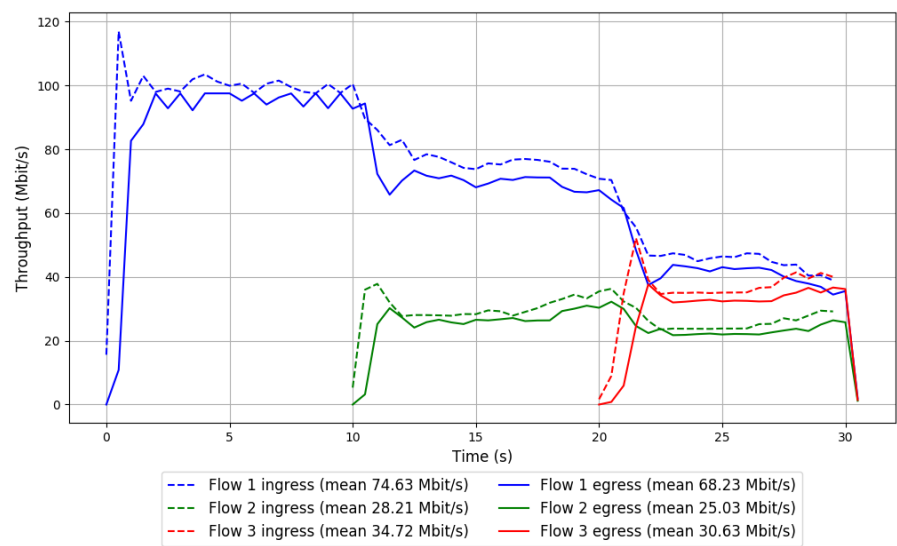
-- Flow 3:

Average throughput: 30.63 Mbit/s

95th percentile per-packet one-way delay: 74.716 ms

Loss rate: 11.84%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-29 21:02:49

End at: 2018-06-29 21:03:19

Local clock offset: 0.552 ms

Remote clock offset: 7.147 ms

Below is generated by plot.py at 2018-06-30 01:19:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.57 Mbit/s

95th percentile per-packet one-way delay: 45.777 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 71.53 Mbit/s

95th percentile per-packet one-way delay: 45.361 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 16.01 Mbit/s

95th percentile per-packet one-way delay: 50.202 ms

Loss rate: 0.47%

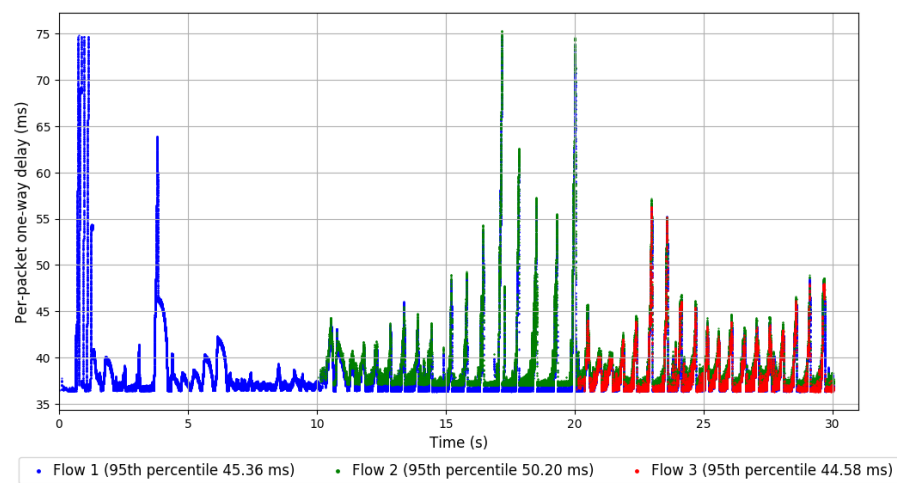
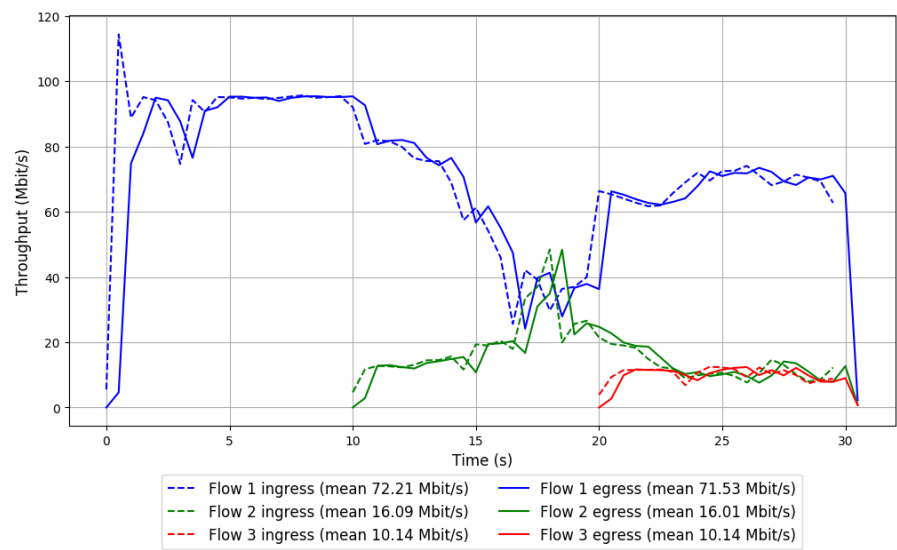
-- Flow 3:

Average throughput: 10.14 Mbit/s

95th percentile per-packet one-way delay: 44.581 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-29 21:28:40

End at: 2018-06-29 21:29:10

Local clock offset: -0.677 ms

Remote clock offset: 7.661 ms

Below is generated by plot.py at 2018-06-30 01:19:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 46.778 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 75.34 Mbit/s

95th percentile per-packet one-way delay: 47.319 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 14.66 Mbit/s

95th percentile per-packet one-way delay: 43.412 ms

Loss rate: 0.00%

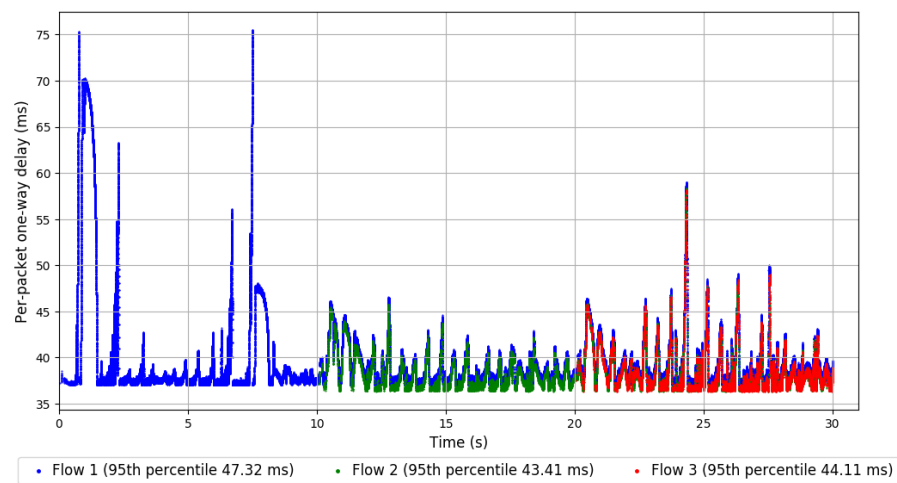
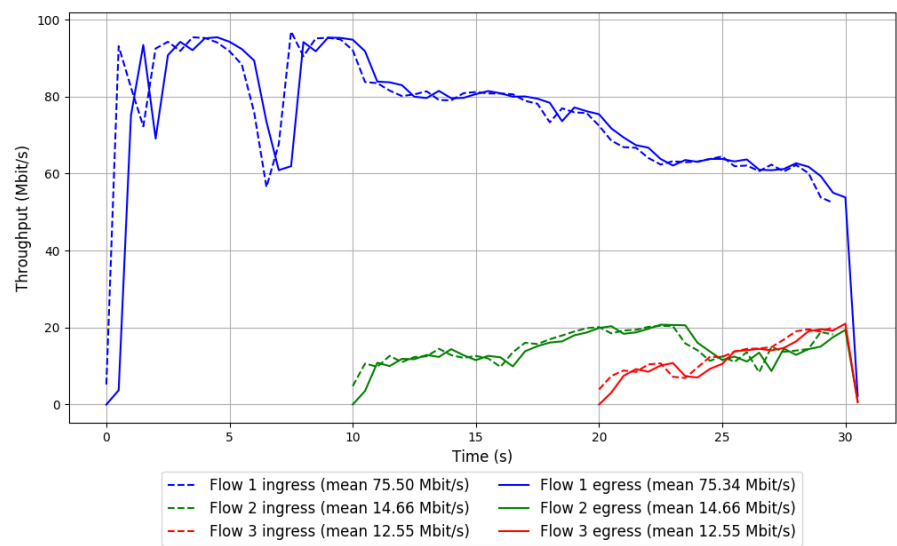
-- Flow 3:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 44.107 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-29 21:54:43

End at: 2018-06-29 21:55:13

Local clock offset: 2.325 ms

Remote clock offset: 9.067 ms

Below is generated by plot.py at 2018-06-30 01:19:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.76 Mbit/s

95th percentile per-packet one-way delay: 53.994 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.82 Mbit/s

95th percentile per-packet one-way delay: 54.735 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 47.032 ms

Loss rate: 0.14%

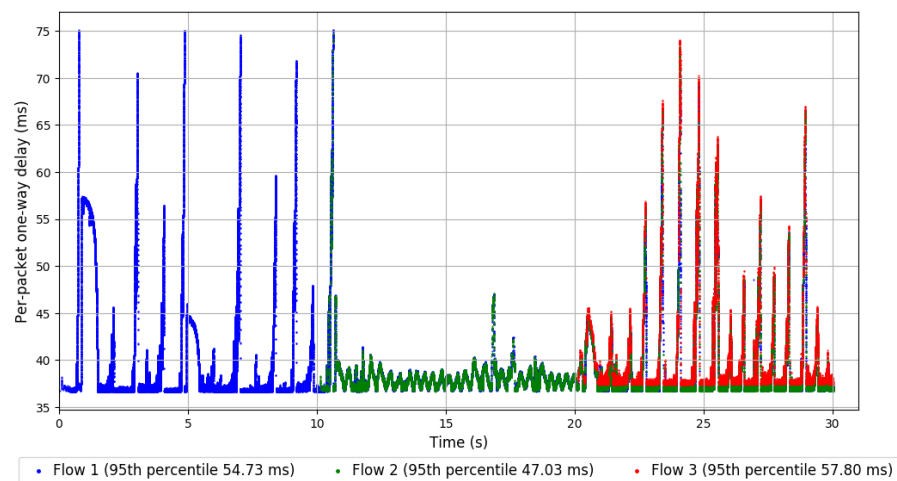
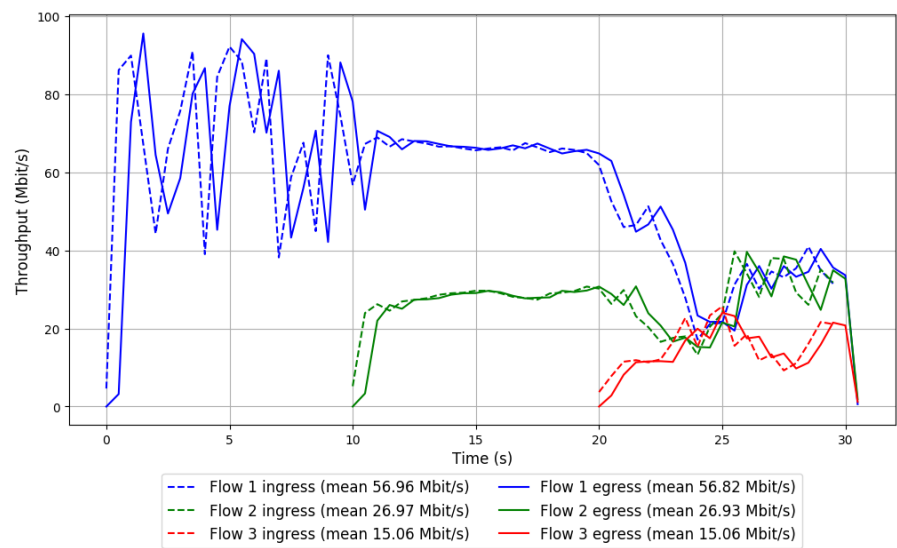
-- Flow 3:

Average throughput: 15.06 Mbit/s

95th percentile per-packet one-way delay: 57.804 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-29 22:20:06

End at: 2018-06-29 22:20:36

Local clock offset: 5.553 ms

Remote clock offset: 7.794 ms

Below is generated by plot.py at 2018-06-30 01:19:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.89 Mbit/s

95th percentile per-packet one-way delay: 47.327 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 45.514 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 19.56 Mbit/s

95th percentile per-packet one-way delay: 50.984 ms

Loss rate: 0.61%

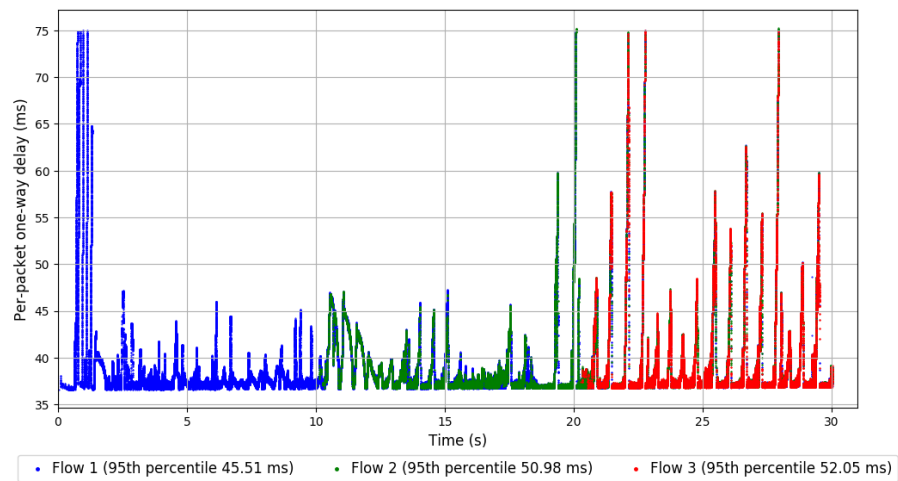
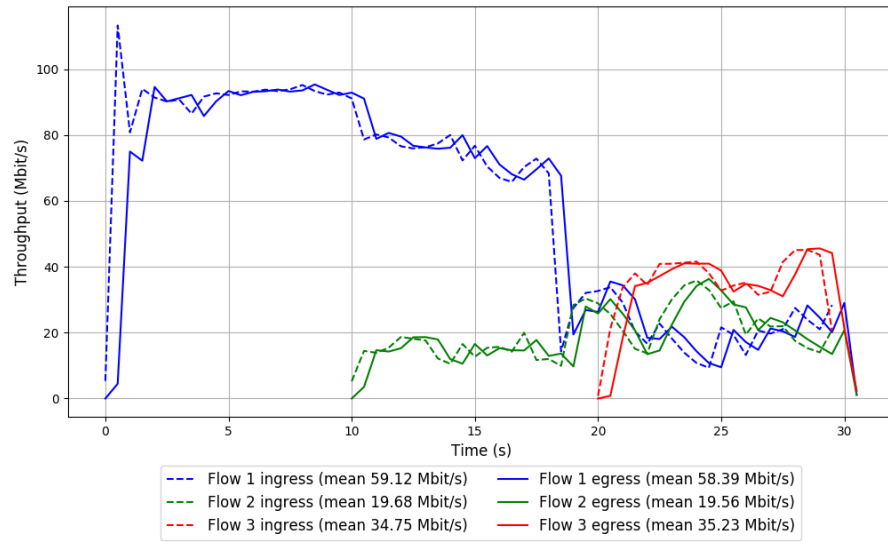
-- Flow 3:

Average throughput: 35.23 Mbit/s

95th percentile per-packet one-way delay: 52.053 ms

Loss rate: 0.64%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-29 22:47:02

End at: 2018-06-29 22:47:32

Local clock offset: 6.774 ms

Remote clock offset: 3.421 ms

Below is generated by plot.py at 2018-06-30 01:19:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 51.325 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 30.06 Mbit/s

95th percentile per-packet one-way delay: 59.209 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 25.28 Mbit/s

95th percentile per-packet one-way delay: 41.838 ms

Loss rate: 0.24%

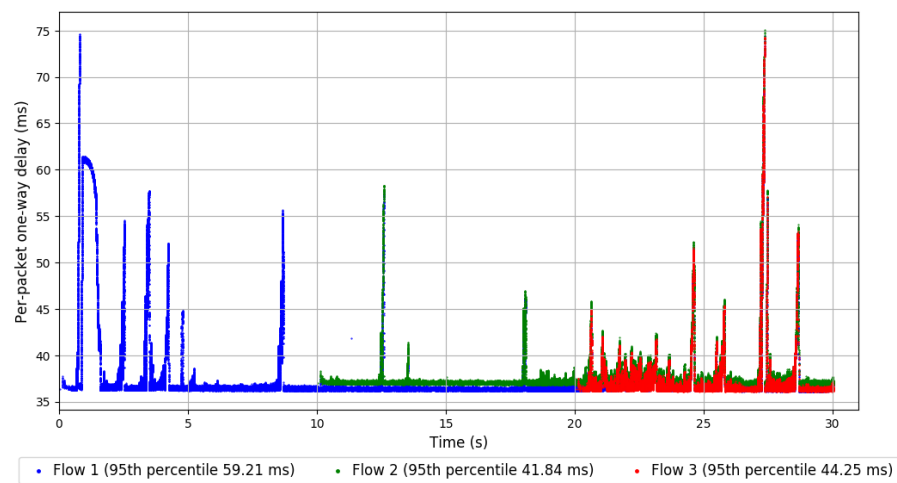
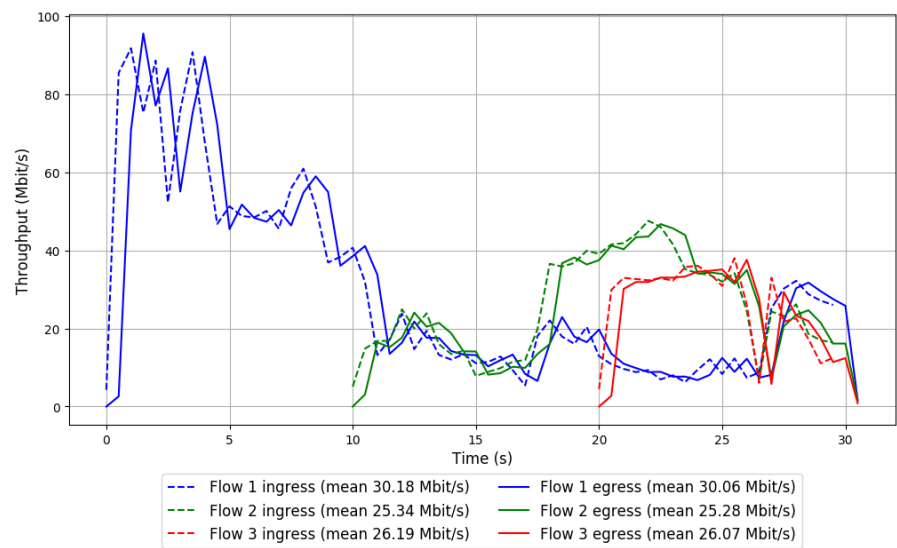
-- Flow 3:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 44.251 ms

Loss rate: 0.49%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-29 23:14:02

End at: 2018-06-29 23:14:32

Local clock offset: 3.72 ms

Remote clock offset: 3.381 ms

Below is generated by plot.py at 2018-06-30 01:19:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.28 Mbit/s

95th percentile per-packet one-way delay: 55.377 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 47.67 Mbit/s

95th percentile per-packet one-way delay: 59.242 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 22.91 Mbit/s

95th percentile per-packet one-way delay: 53.239 ms

Loss rate: 0.00%

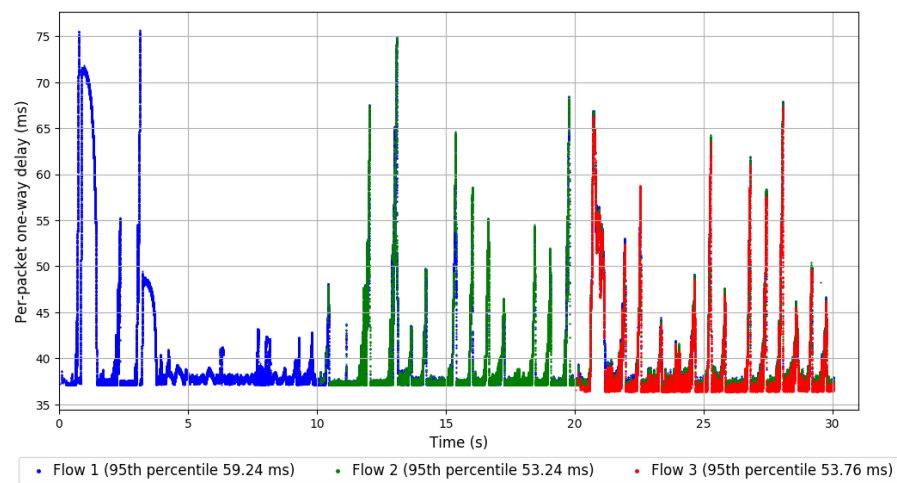
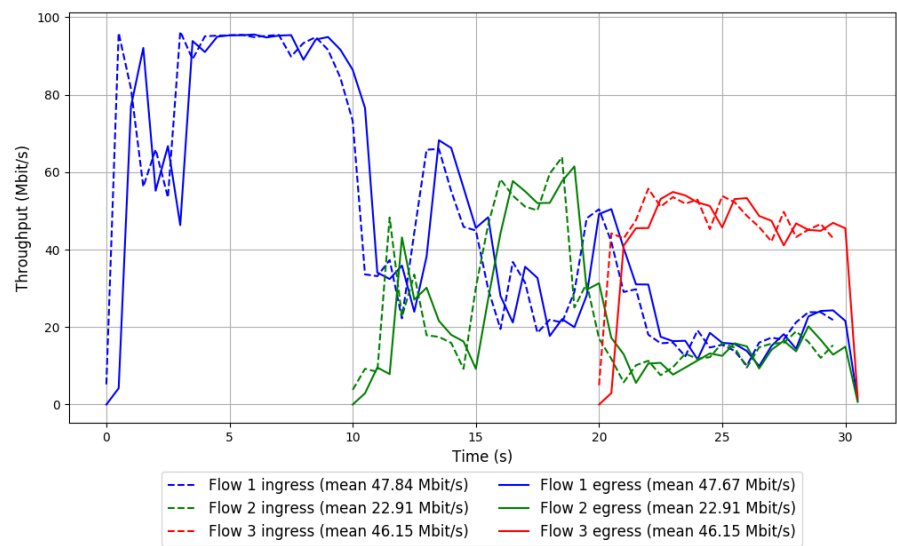
-- Flow 3:

Average throughput: 46.15 Mbit/s

95th percentile per-packet one-way delay: 53.759 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-29 23:39:16

End at: 2018-06-29 23:39:46

Local clock offset: 0.036 ms

Remote clock offset: 3.951 ms

Below is generated by plot.py at 2018-06-30 01:20:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.42 Mbit/s

95th percentile per-packet one-way delay: 50.997 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 36.29 Mbit/s

95th percentile per-packet one-way delay: 64.121 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 67.89 Mbit/s

95th percentile per-packet one-way delay: 45.379 ms

Loss rate: 0.04%

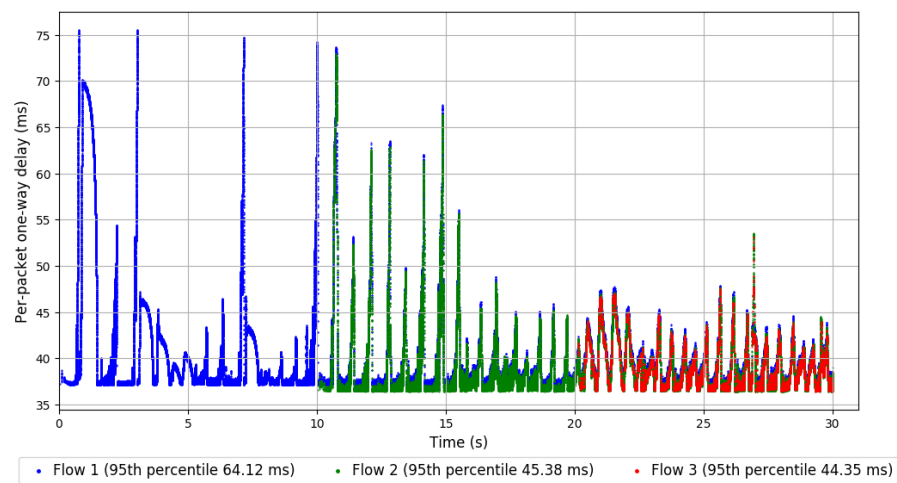
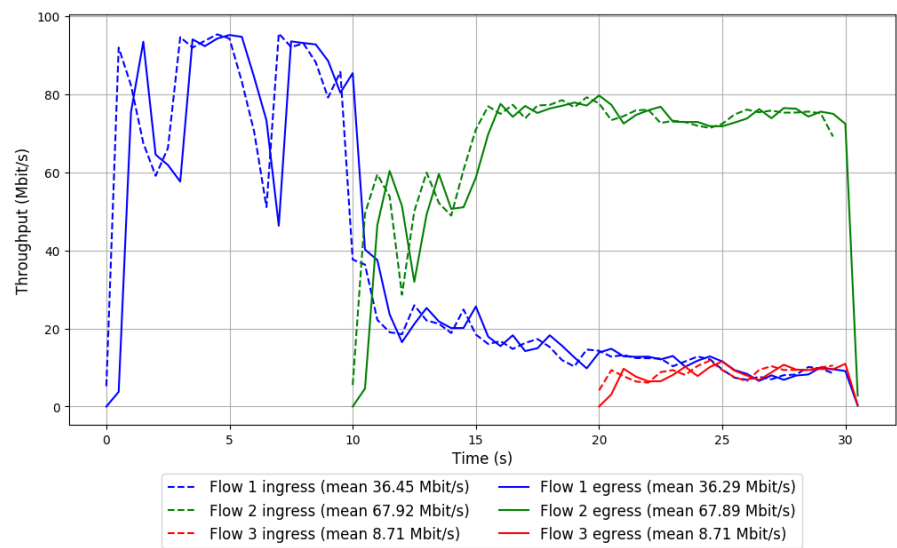
-- Flow 3:

Average throughput: 8.71 Mbit/s

95th percentile per-packet one-way delay: 44.350 ms

Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-30 00:03:55

End at: 2018-06-30 00:04:25

Local clock offset: 0.09 ms

Remote clock offset: 3.983 ms

Below is generated by plot.py at 2018-06-30 01:20:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.34 Mbit/s

95th percentile per-packet one-way delay: 50.471 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 71.26 Mbit/s

95th percentile per-packet one-way delay: 51.956 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 16.59 Mbit/s

95th percentile per-packet one-way delay: 42.656 ms

Loss rate: 0.02%

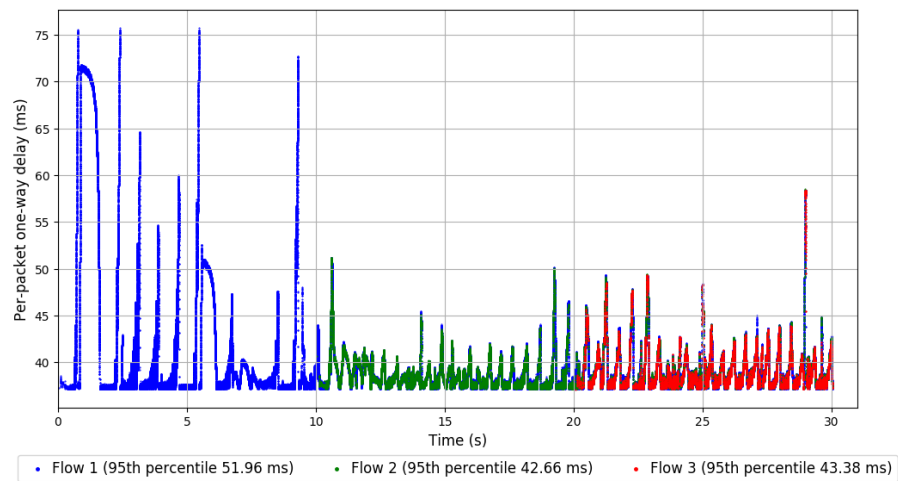
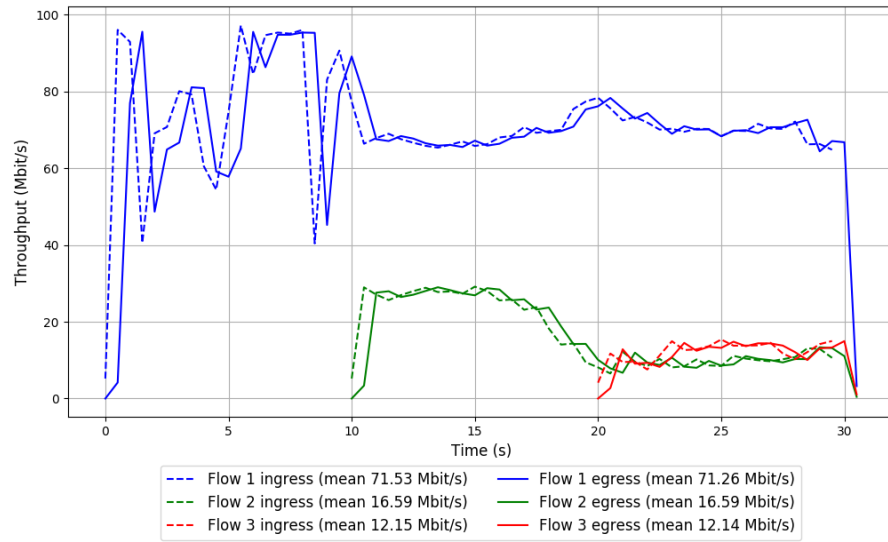
-- Flow 3:

Average throughput: 12.14 Mbit/s

95th percentile per-packet one-way delay: 43.376 ms

Loss rate: 0.08%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-30 00:29:20

End at: 2018-06-30 00:29:50

Local clock offset: 0.167 ms

Remote clock offset: 3.781 ms

Below is generated by plot.py at 2018-06-30 01:20:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.66 Mbit/s

95th percentile per-packet one-way delay: 51.553 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 52.620 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 25.55 Mbit/s

95th percentile per-packet one-way delay: 49.614 ms

Loss rate: 0.19%

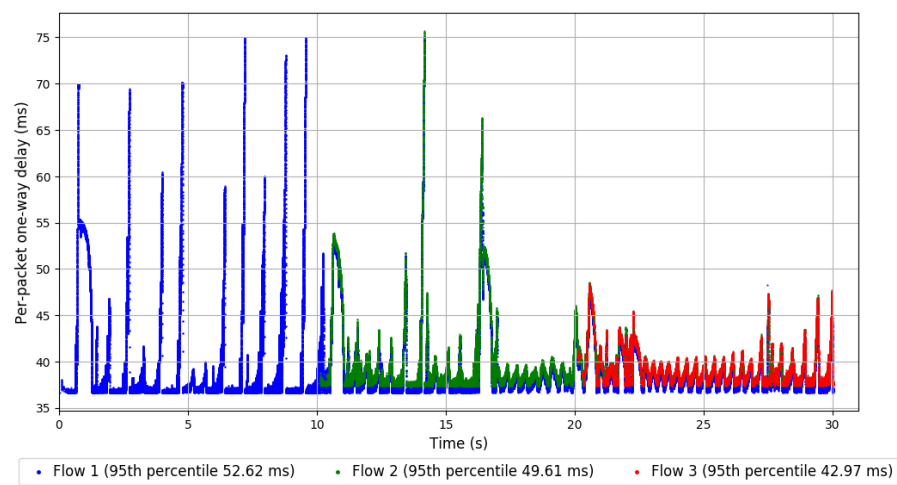
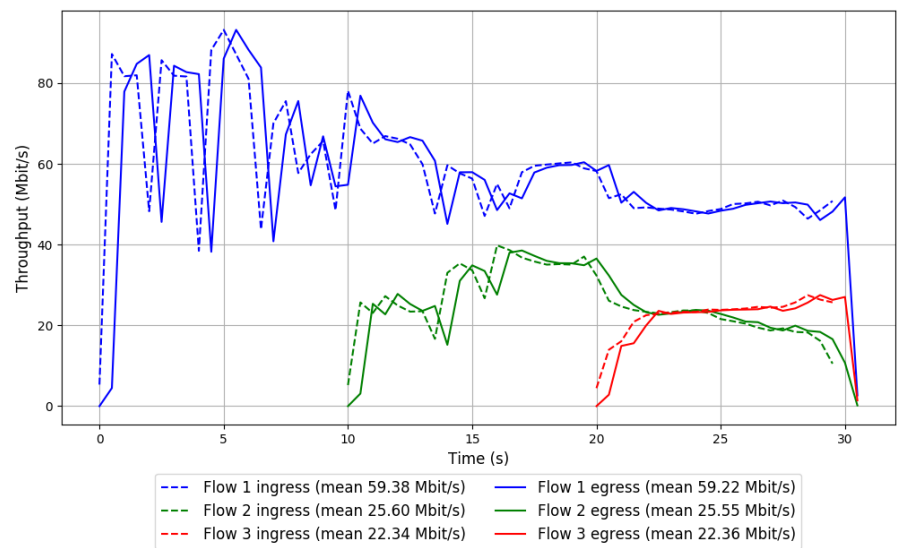
-- Flow 3:

Average throughput: 22.36 Mbit/s

95th percentile per-packet one-way delay: 42.971 ms

Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-30 00:54:47

End at: 2018-06-30 00:55:17

Local clock offset: 0.351 ms

Remote clock offset: 4.437 ms

Below is generated by plot.py at 2018-06-30 01:21:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.58 Mbit/s

95th percentile per-packet one-way delay: 45.587 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 46.226 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 16.02 Mbit/s

95th percentile per-packet one-way delay: 42.805 ms

Loss rate: 0.00%

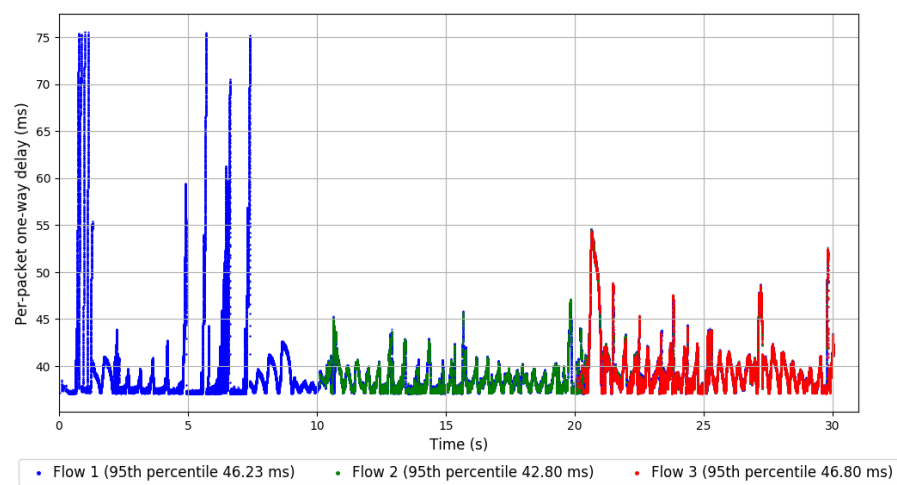
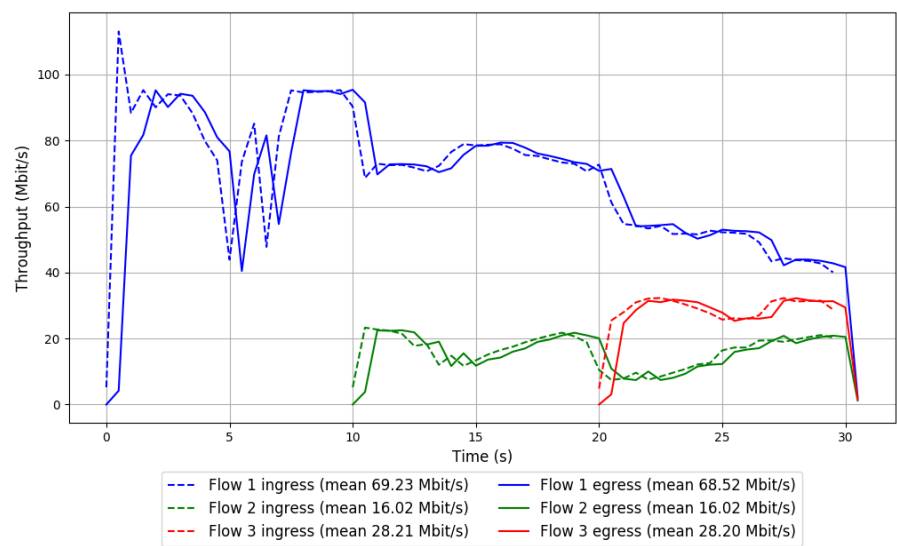
-- Flow 3:

Average throughput: 28.20 Mbit/s

95th percentile per-packet one-way delay: 46.796 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-29 21:07:38

End at: 2018-06-29 21:08:08

Local clock offset: 0.122 ms

Remote clock offset: 7.257 ms

Below is generated by plot.py at 2018-06-30 01:21:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 71.981 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 64.43 Mbit/s

95th percentile per-packet one-way delay: 73.269 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 30.38 Mbit/s

95th percentile per-packet one-way delay: 68.245 ms

Loss rate: 0.63%

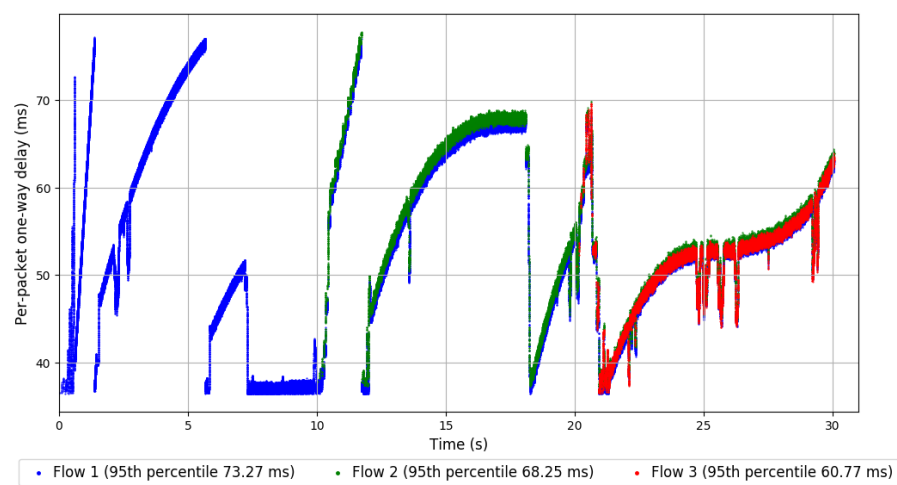
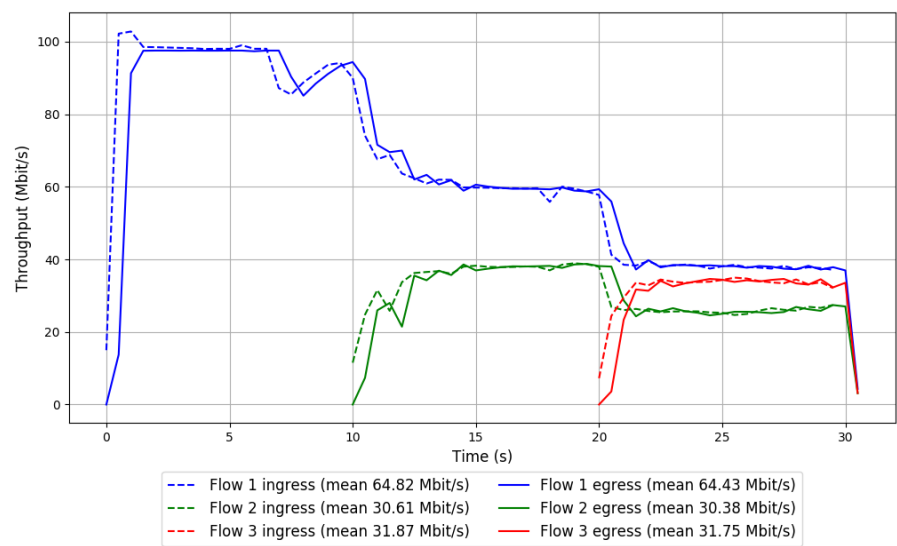
-- Flow 3:

Average throughput: 31.75 Mbit/s

95th percentile per-packet one-way delay: 60.765 ms

Loss rate: 0.25%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-29 21:33:39

End at: 2018-06-29 21:34:09

Local clock offset: -0.834 ms

Remote clock offset: 7.972 ms

Below is generated by plot.py at 2018-06-30 01:21:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 75.462 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 75.319 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 20.25 Mbit/s

95th percentile per-packet one-way delay: 75.474 ms

Loss rate: 0.49%

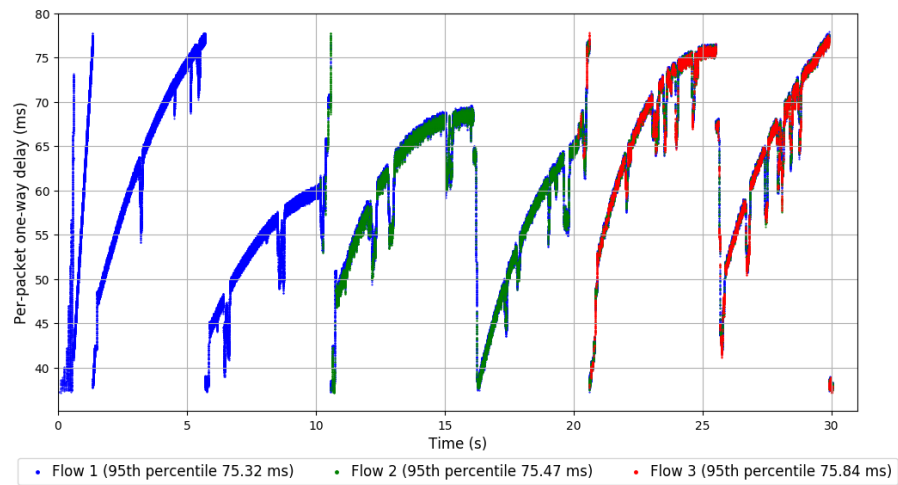
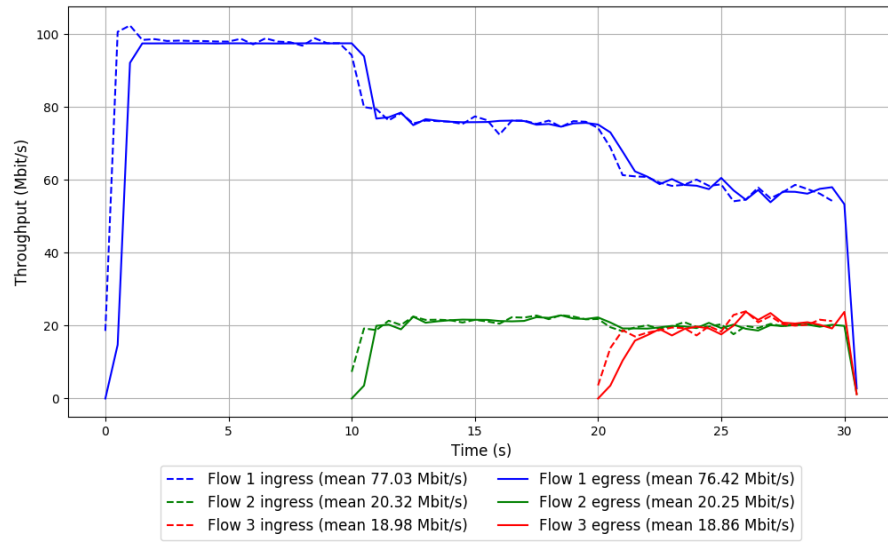
-- Flow 3:

Average throughput: 18.86 Mbit/s

95th percentile per-packet one-way delay: 75.839 ms

Loss rate: 0.91%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-29 21:59:37

End at: 2018-06-29 22:00:07

Local clock offset: 3.482 ms

Remote clock offset: 9.327 ms

Below is generated by plot.py at 2018-06-30 01:21:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.09 Mbit/s

95th percentile per-packet one-way delay: 74.196 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 23.58 Mbit/s

95th percentile per-packet one-way delay: 74.989 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 65.45 Mbit/s

95th percentile per-packet one-way delay: 73.764 ms

Loss rate: 0.85%

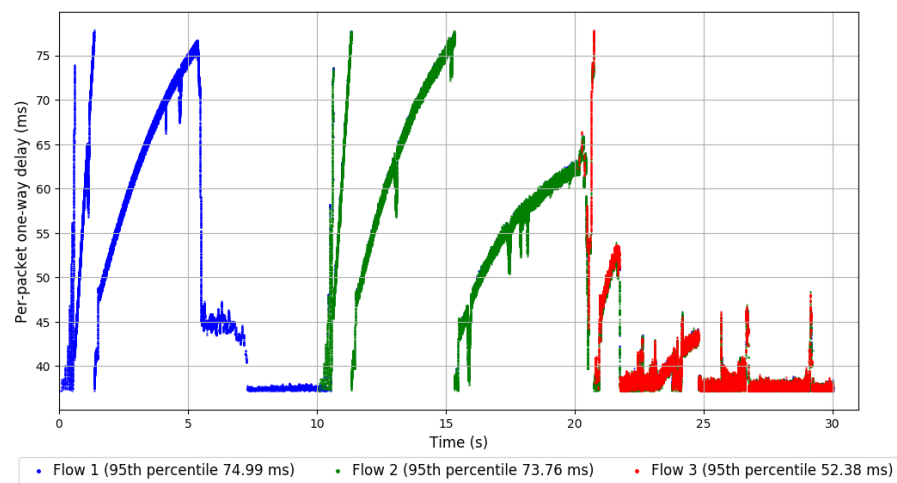
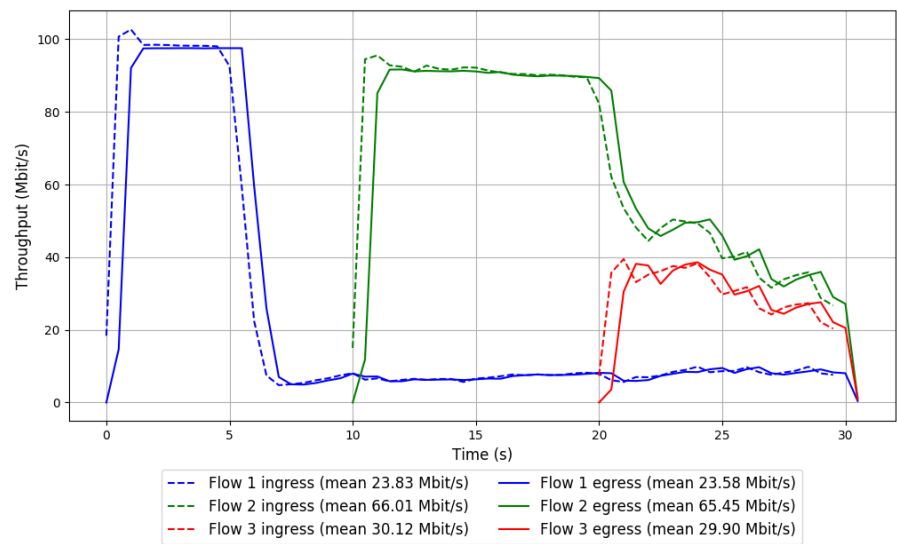
-- Flow 3:

Average throughput: 29.90 Mbit/s

95th percentile per-packet one-way delay: 52.379 ms

Loss rate: 0.96%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-29 22:25:16

End at: 2018-06-29 22:25:46

Local clock offset: 5.919 ms

Remote clock offset: 5.854 ms

Below is generated by plot.py at 2018-06-30 01:21:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 73.906 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 71.71 Mbit/s

95th percentile per-packet one-way delay: 74.115 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 23.73 Mbit/s

95th percentile per-packet one-way delay: 74.826 ms

Loss rate: 0.86%

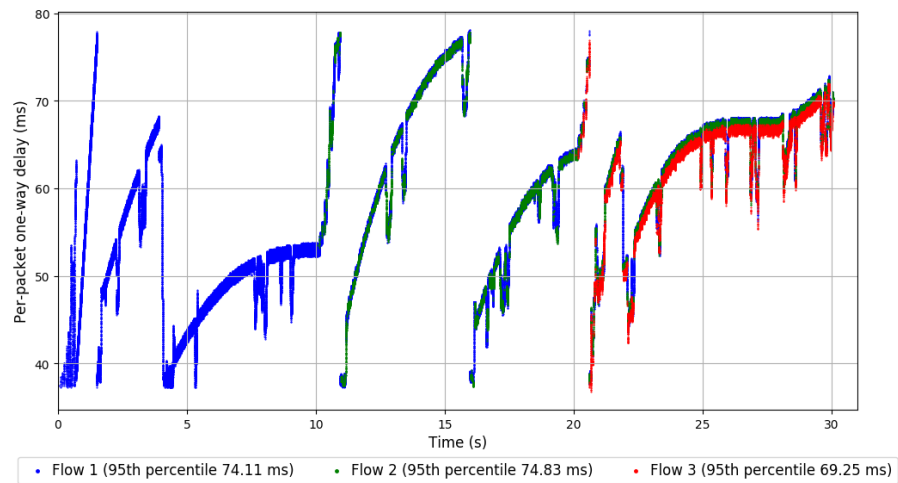
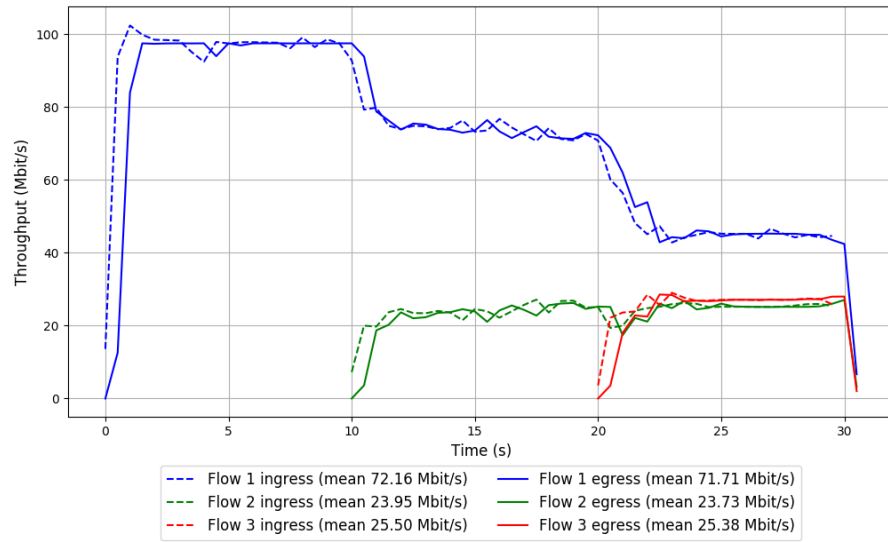
-- Flow 3:

Average throughput: 25.38 Mbit/s

95th percentile per-packet one-way delay: 69.253 ms

Loss rate: 0.42%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-29 22:52:36

End at: 2018-06-29 22:53:06

Local clock offset: 5.264 ms

Remote clock offset: 3.351 ms

Below is generated by plot.py at 2018-06-30 01:21:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 73.847 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 72.76 Mbit/s

95th percentile per-packet one-way delay: 74.016 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 26.55 Mbit/s

95th percentile per-packet one-way delay: 73.082 ms

Loss rate: 1.22%

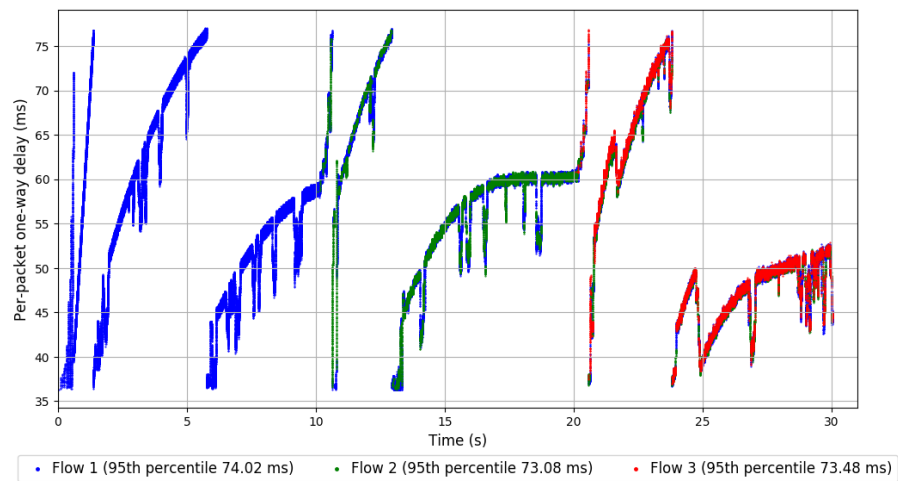
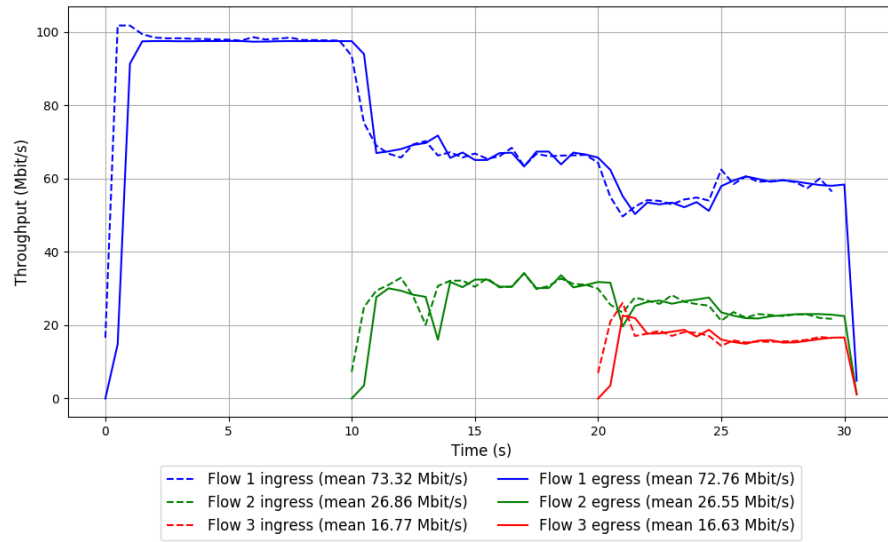
-- Flow 3:

Average throughput: 16.63 Mbit/s

95th percentile per-packet one-way delay: 73.483 ms

Loss rate: 1.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-29 23:19:04

End at: 2018-06-29 23:19:34

Local clock offset: 2.661 ms

Remote clock offset: 3.385 ms

Below is generated by plot.py at 2018-06-30 01:21:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 75.270 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 73.90 Mbit/s

95th percentile per-packet one-way delay: 75.448 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 19.59 Mbit/s

95th percentile per-packet one-way delay: 71.213 ms

Loss rate: 0.41%

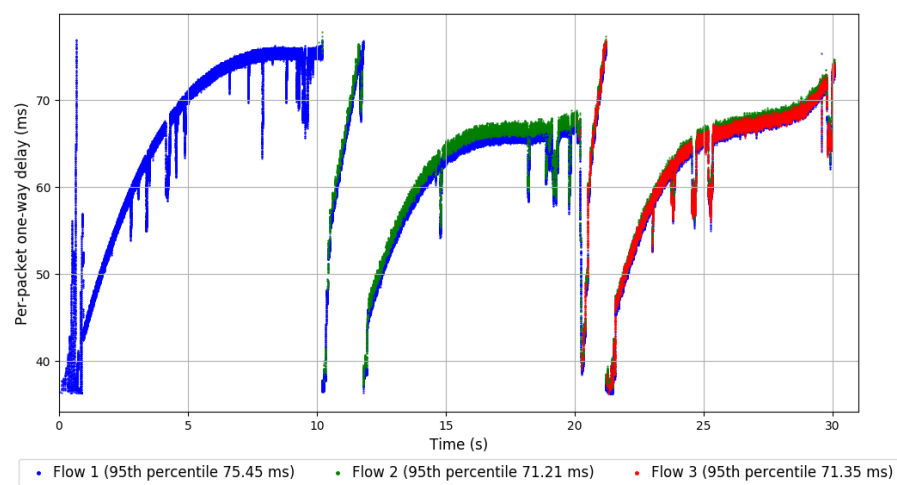
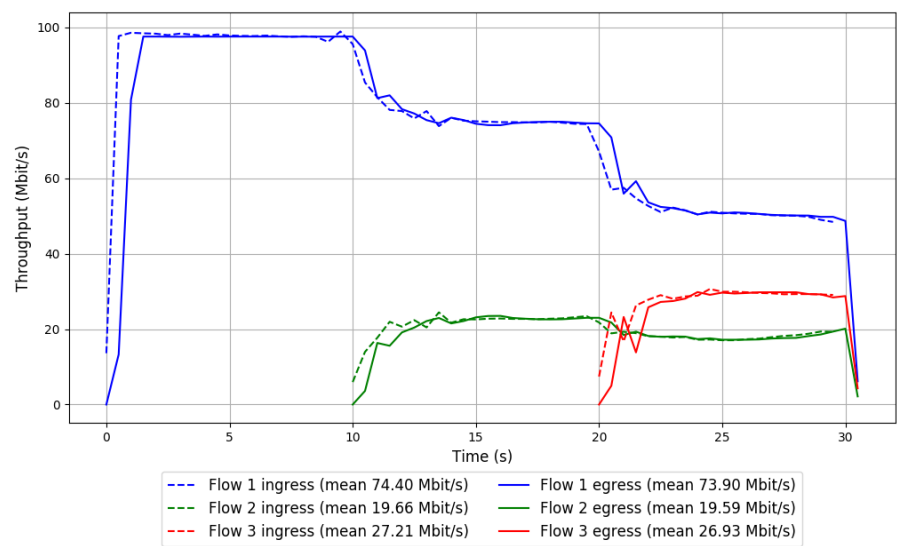
-- Flow 3:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 71.346 ms

Loss rate: 1.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-29 23:43:52

End at: 2018-06-29 23:44:22

Local clock offset: -0.231 ms

Remote clock offset: 3.92 ms

Below is generated by plot.py at 2018-06-30 01:21:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 73.623 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 56.65 Mbit/s

95th percentile per-packet one-way delay: 73.316 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 56.08 Mbit/s

95th percentile per-packet one-way delay: 74.042 ms

Loss rate: 0.42%

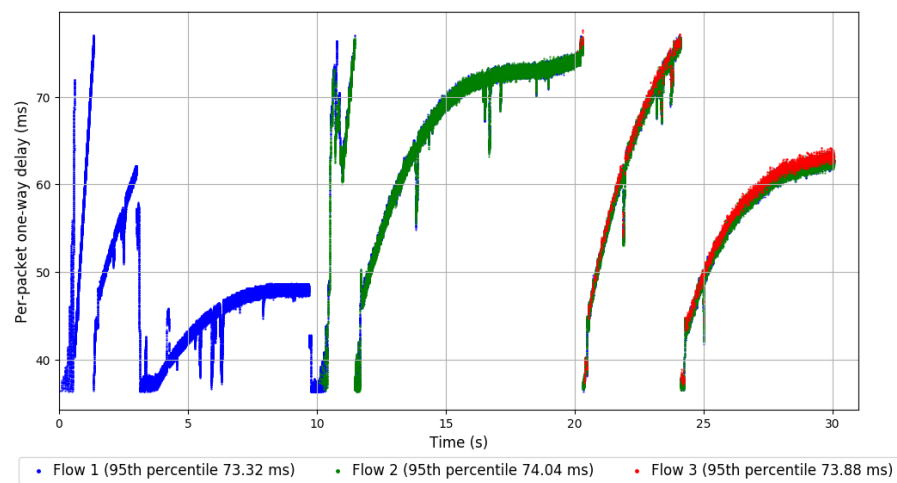
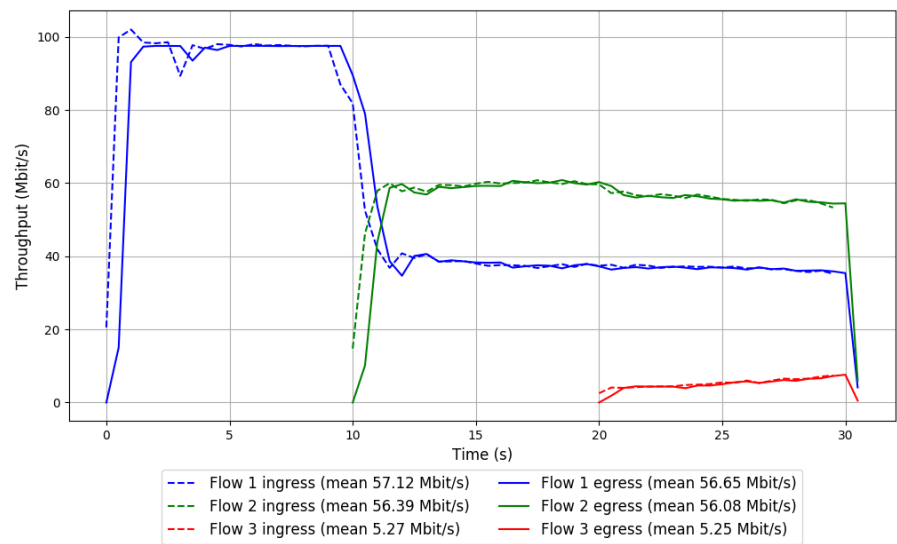
-- Flow 3:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 73.884 ms

Loss rate: 0.34%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 00:08:41

End at: 2018-06-30 00:09:11

Local clock offset: -0.089 ms

Remote clock offset: 3.815 ms

Below is generated by plot.py at 2018-06-30 01:21:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 74.803 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 55.87 Mbit/s

95th percentile per-packet one-way delay: 75.120 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 73.976 ms

Loss rate: 1.38%

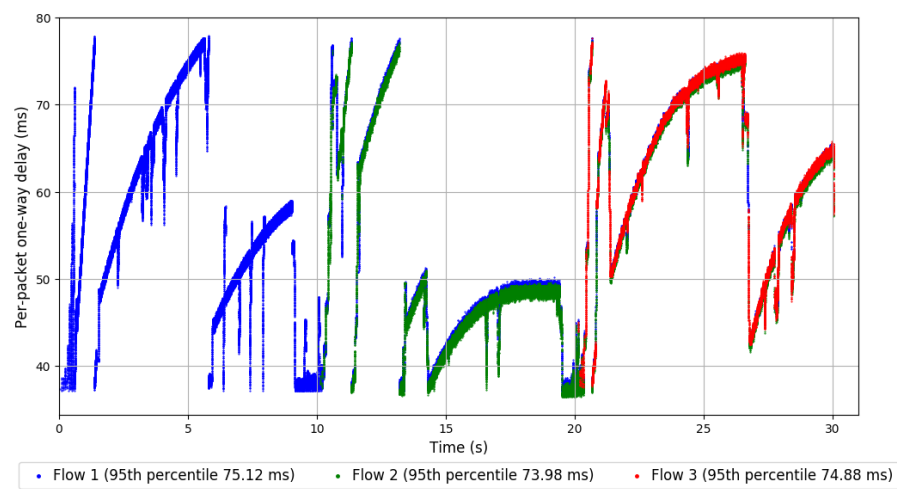
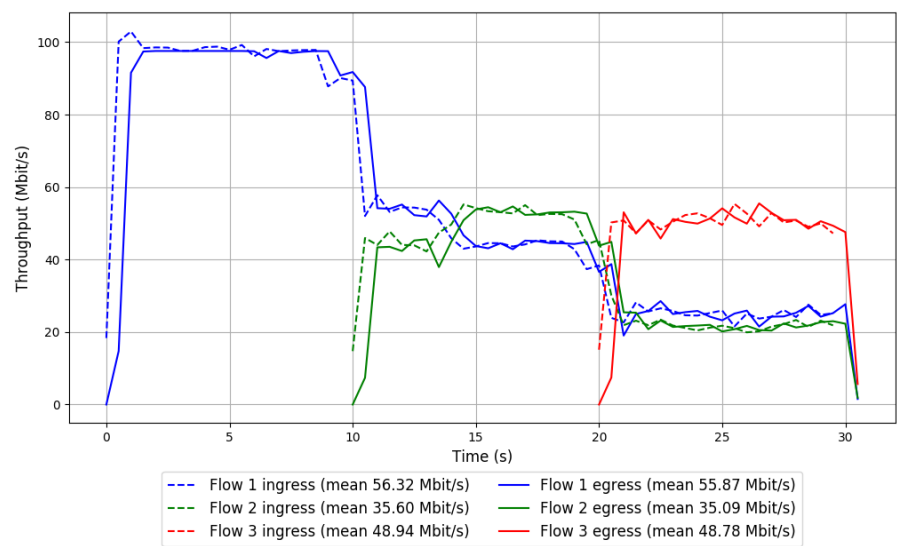
-- Flow 3:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 74.879 ms

Loss rate: 0.15%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 00:34:27

End at: 2018-06-30 00:34:57

Local clock offset: 0.141 ms

Remote clock offset: 3.715 ms

Below is generated by plot.py at 2018-06-30 01:21:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 73.812 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 70.99 Mbit/s

95th percentile per-packet one-way delay: 74.072 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 25.85 Mbit/s

95th percentile per-packet one-way delay: 73.009 ms

Loss rate: 0.60%

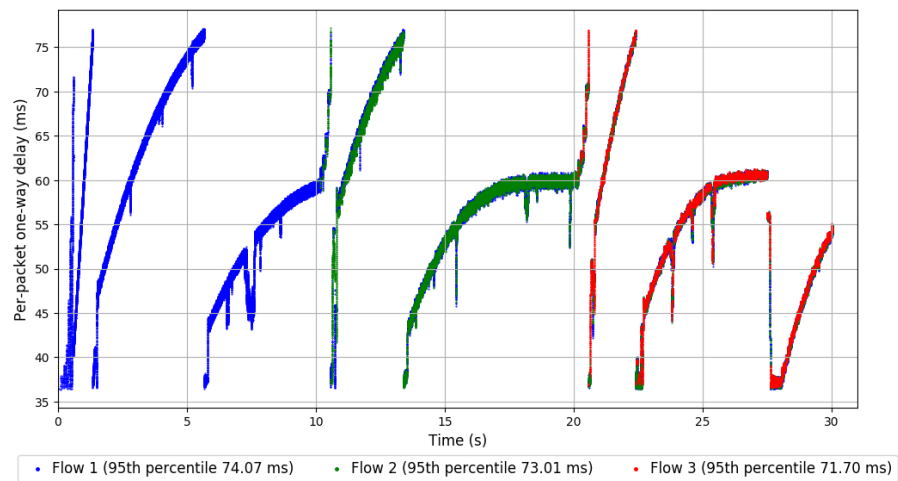
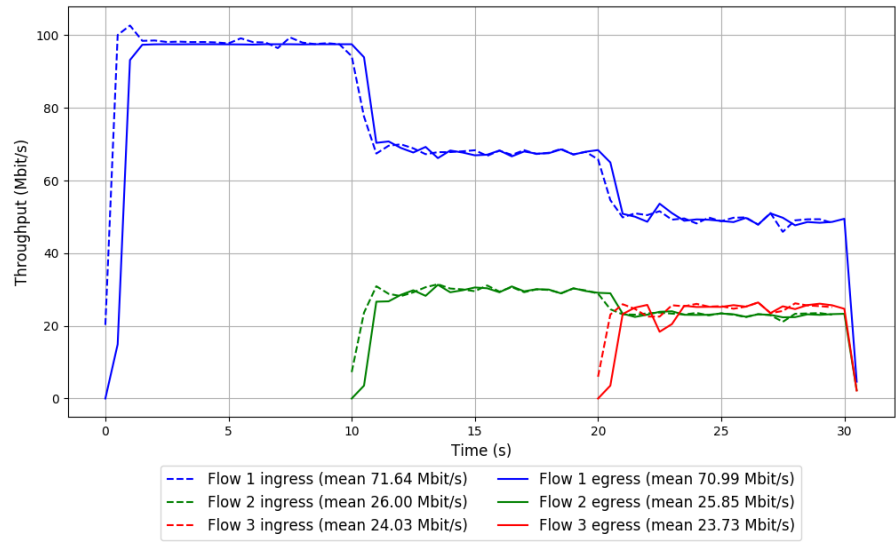
-- Flow 3:

Average throughput: 23.73 Mbit/s

95th percentile per-packet one-way delay: 71.704 ms

Loss rate: 1.29%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 00:59:35

End at: 2018-06-30 01:00:05

Local clock offset: 0.373 ms

Remote clock offset: 4.581 ms

Below is generated by plot.py at 2018-06-30 01:22:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 73.722 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 50.19 Mbit/s

95th percentile per-packet one-way delay: 74.900 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 49.15 Mbit/s

95th percentile per-packet one-way delay: 72.203 ms

Loss rate: 0.91%

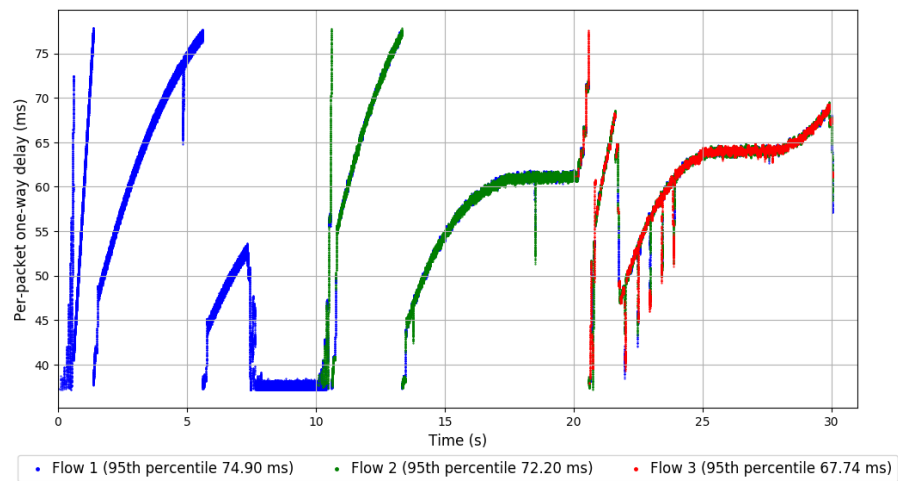
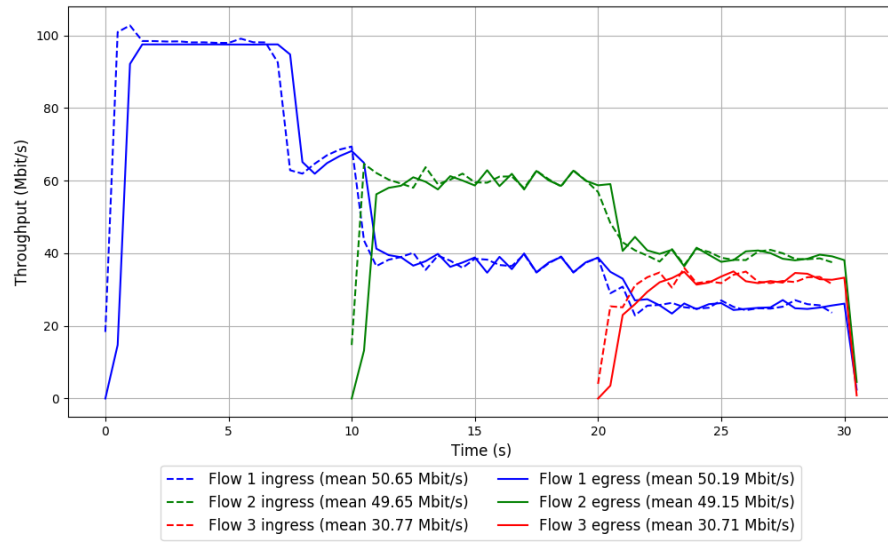
-- Flow 3:

Average throughput: 30.71 Mbit/s

95th percentile per-packet one-way delay: 67.740 ms

Loss rate: 0.19%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-29 21:16:11

End at: 2018-06-29 21:16:41

Local clock offset: -0.285 ms

Remote clock offset: 7.341 ms

Below is generated by plot.py at 2018-06-30 01:22:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.10 Mbit/s

95th percentile per-packet one-way delay: 74.782 ms

Loss rate: 25.63%

-- Flow 1:

Average throughput: 59.48 Mbit/s

95th percentile per-packet one-way delay: 74.238 ms

Loss rate: 21.52%

-- Flow 2:

Average throughput: 39.75 Mbit/s

95th percentile per-packet one-way delay: 75.322 ms

Loss rate: 26.45%

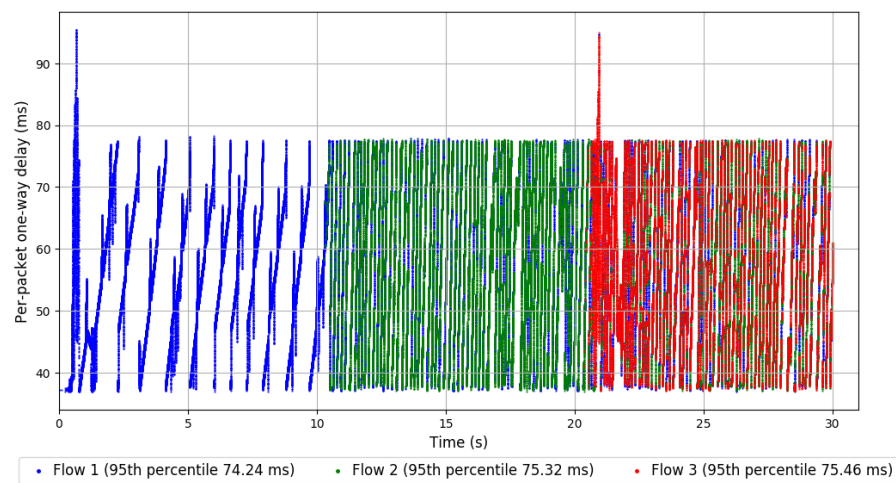
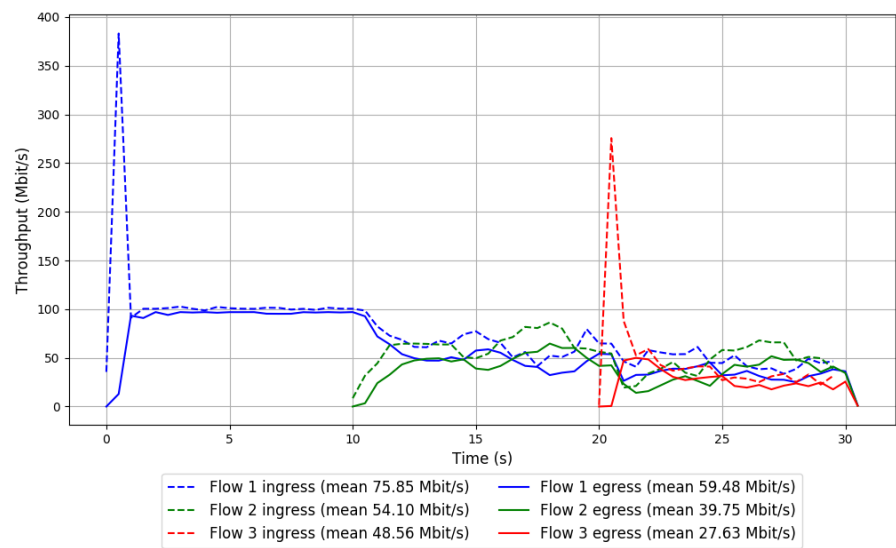
-- Flow 3:

Average throughput: 27.63 Mbit/s

95th percentile per-packet one-way delay: 75.458 ms

Loss rate: 43.16%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-29 21:42:16

End at: 2018-06-29 21:42:46

Local clock offset: -1.301 ms

Remote clock offset: 8.274 ms

Below is generated by plot.py at 2018-06-30 01:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 74.505 ms

Loss rate: 27.86%

-- Flow 1:

Average throughput: 65.07 Mbit/s

95th percentile per-packet one-way delay: 74.095 ms

Loss rate: 21.43%

-- Flow 2:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 74.789 ms

Loss rate: 38.03%

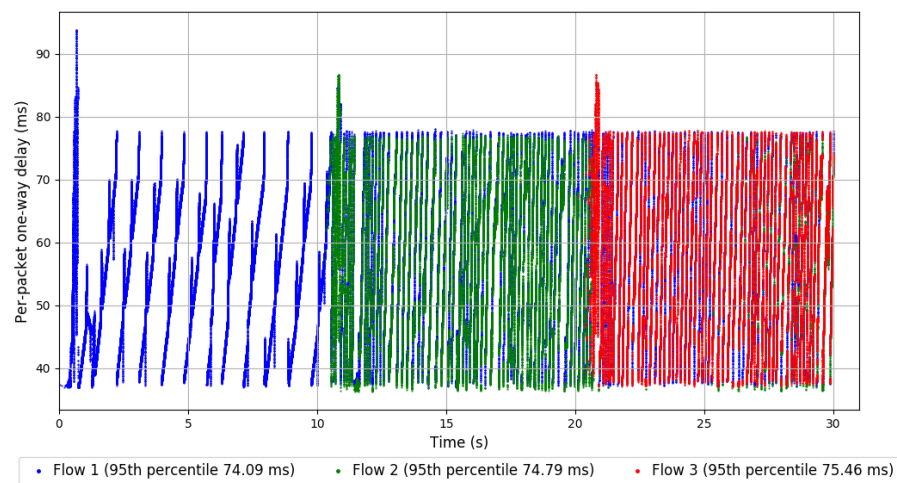
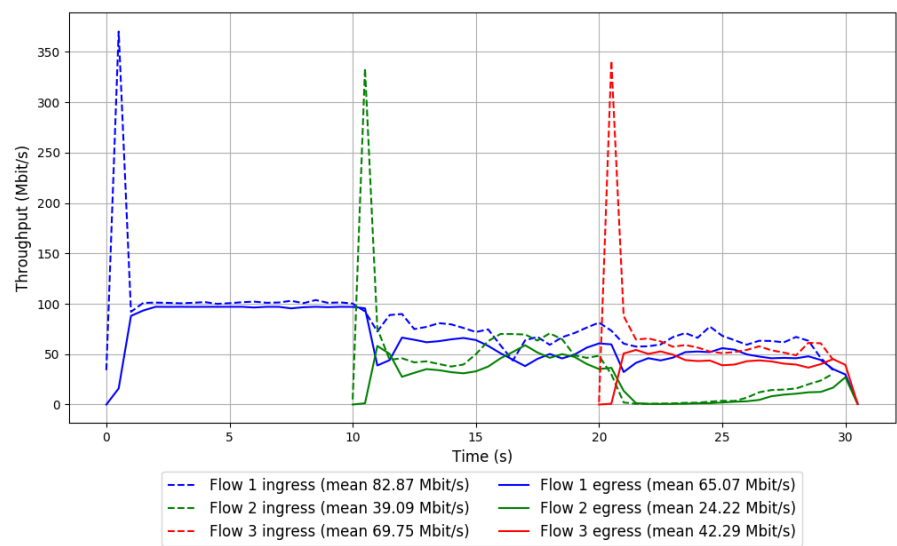
-- Flow 3:

Average throughput: 42.29 Mbit/s

95th percentile per-packet one-way delay: 75.457 ms

Loss rate: 39.43%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-29 22:08:07

End at: 2018-06-29 22:08:37

Local clock offset: 4.598 ms

Remote clock offset: 9.7 ms

Below is generated by plot.py at 2018-06-30 01:23:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 73.859 ms

Loss rate: 24.13%

-- Flow 1:

Average throughput: 62.38 Mbit/s

95th percentile per-packet one-way delay: 73.350 ms

Loss rate: 21.96%

-- Flow 2:

Average throughput: 35.98 Mbit/s

95th percentile per-packet one-way delay: 74.581 ms

Loss rate: 27.60%

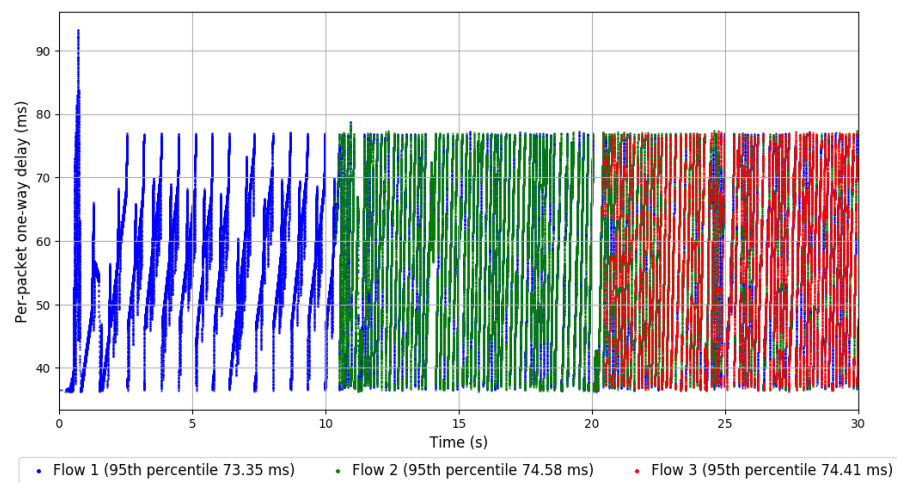
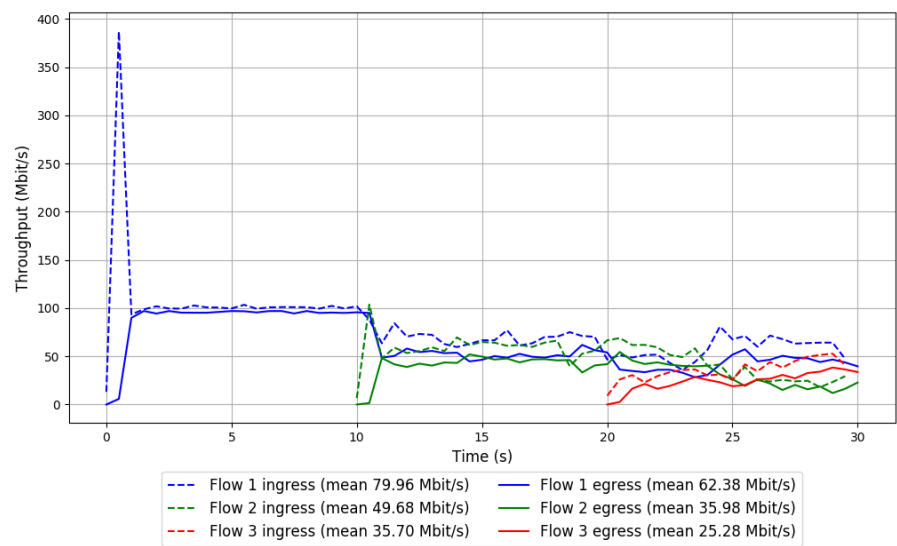
-- Flow 3:

Average throughput: 25.28 Mbit/s

95th percentile per-packet one-way delay: 74.410 ms

Loss rate: 29.12%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-29 22:34:19

End at: 2018-06-29 22:34:49

Local clock offset: 6.52 ms

Remote clock offset: 4.196 ms

Below is generated by plot.py at 2018-06-30 01:23:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 74.513 ms

Loss rate: 25.76%

-- Flow 1:

Average throughput: 62.68 Mbit/s

95th percentile per-packet one-way delay: 73.826 ms

Loss rate: 21.26%

-- Flow 2:

Average throughput: 38.85 Mbit/s

95th percentile per-packet one-way delay: 75.520 ms

Loss rate: 34.30%

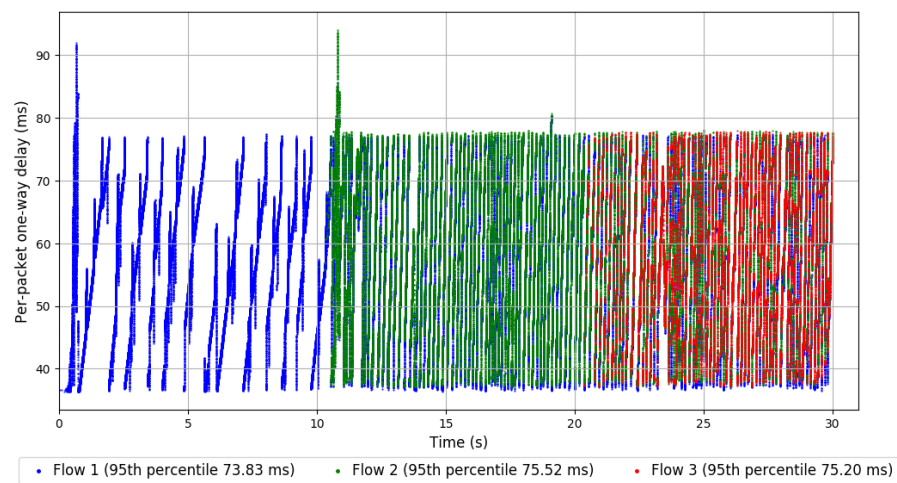
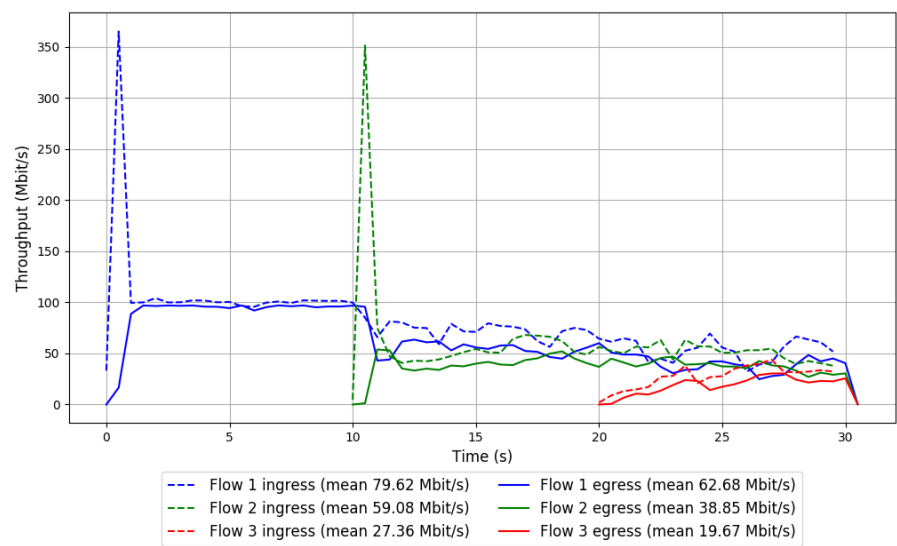
-- Flow 3:

Average throughput: 19.67 Mbit/s

95th percentile per-packet one-way delay: 75.204 ms

Loss rate: 28.24%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-29 23:01:21

End at: 2018-06-29 23:01:51

Local clock offset: 4.189 ms

Remote clock offset: 3.471 ms

Below is generated by plot.py at 2018-06-30 01:23:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.19 Mbit/s

95th percentile per-packet one-way delay: 74.774 ms

Loss rate: 27.40%

-- Flow 1:

Average throughput: 62.97 Mbit/s

95th percentile per-packet one-way delay: 74.627 ms

Loss rate: 21.50%

-- Flow 2:

Average throughput: 34.73 Mbit/s

95th percentile per-packet one-way delay: 74.619 ms

Loss rate: 33.20%

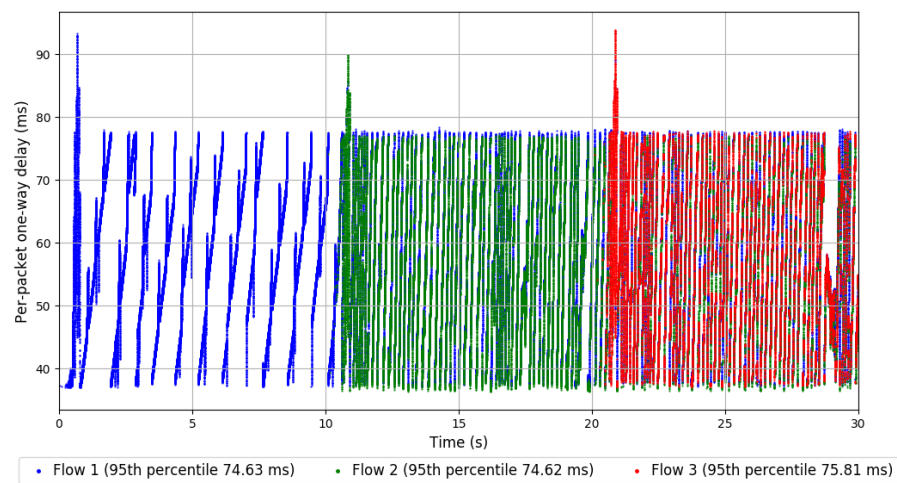
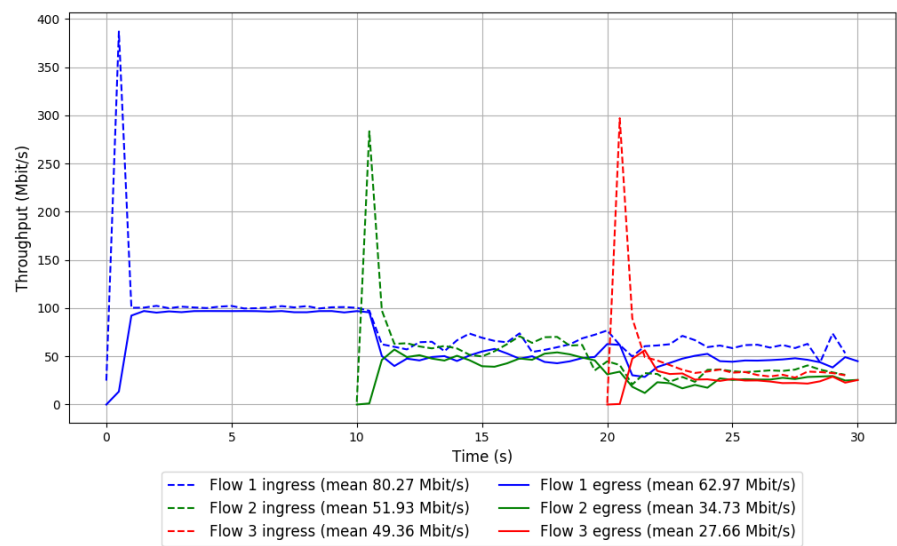
-- Flow 3:

Average throughput: 27.66 Mbit/s

95th percentile per-packet one-way delay: 75.814 ms

Loss rate: 44.09%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-29 23:27:25

End at: 2018-06-29 23:27:55

Local clock offset: 1.078 ms

Remote clock offset: 3.515 ms

Below is generated by plot.py at 2018-06-30 01:23:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 74.486 ms

Loss rate: 25.51%

-- Flow 1:

Average throughput: 60.08 Mbit/s

95th percentile per-packet one-way delay: 74.327 ms

Loss rate: 21.40%

-- Flow 2:

Average throughput: 38.62 Mbit/s

95th percentile per-packet one-way delay: 74.511 ms

Loss rate: 32.67%

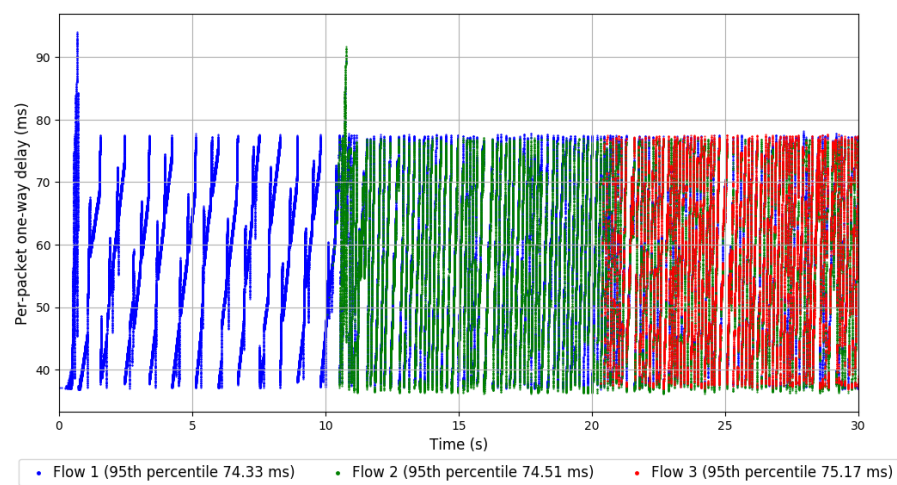
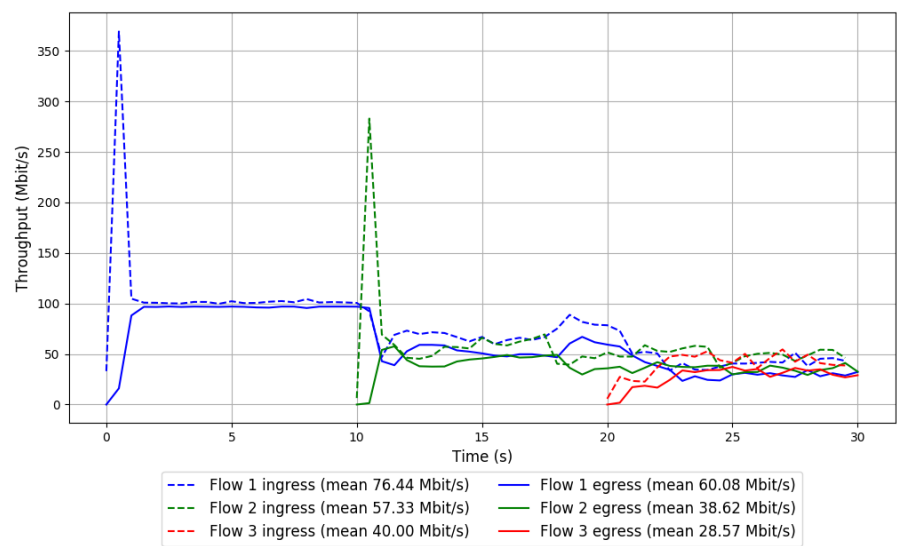
-- Flow 3:

Average throughput: 28.57 Mbit/s

95th percentile per-packet one-way delay: 75.165 ms

Loss rate: 28.61%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-29 23:52:18

End at: 2018-06-29 23:52:48

Local clock offset: 0.043 ms

Remote clock offset: 4.052 ms

Below is generated by plot.py at 2018-06-30 01:23:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 74.584 ms

Loss rate: 23.75%

-- Flow 1:

Average throughput: 62.41 Mbit/s

95th percentile per-packet one-way delay: 74.277 ms

Loss rate: 21.44%

-- Flow 2:

Average throughput: 38.24 Mbit/s

95th percentile per-packet one-way delay: 75.255 ms

Loss rate: 27.42%

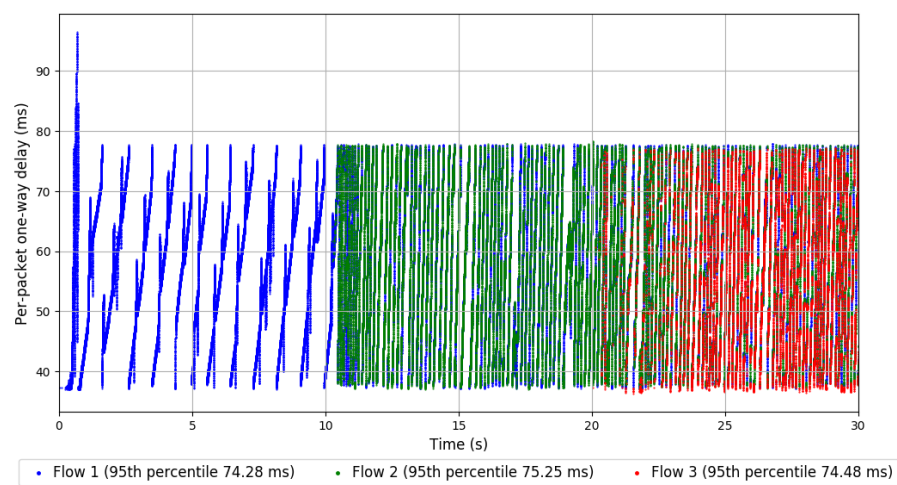
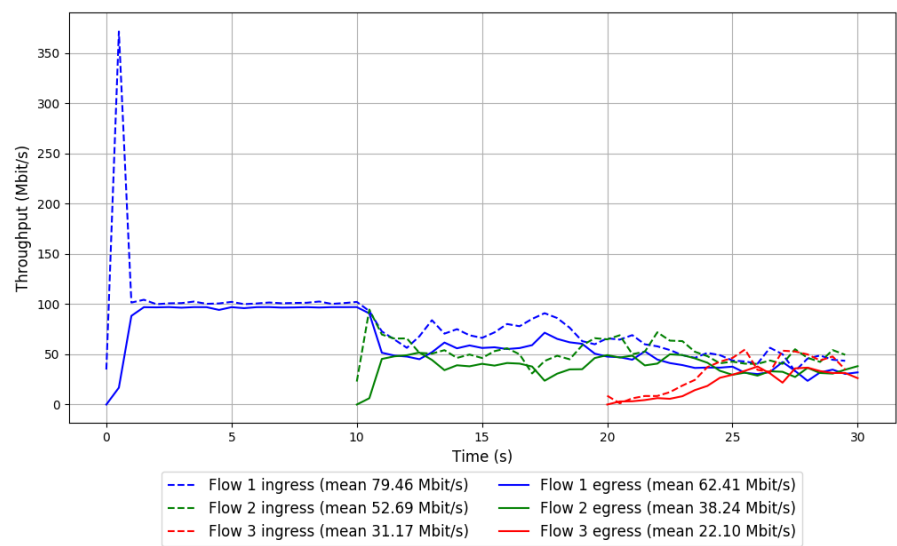
-- Flow 3:

Average throughput: 22.10 Mbit/s

95th percentile per-packet one-way delay: 74.477 ms

Loss rate: 29.07%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-30 00:17:16

End at: 2018-06-30 00:17:46

Local clock offset: -0.058 ms

Remote clock offset: 3.692 ms

Below is generated by plot.py at 2018-06-30 01:23:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 74.553 ms

Loss rate: 29.86%

-- Flow 1:

Average throughput: 62.62 Mbit/s

95th percentile per-packet one-way delay: 74.325 ms

Loss rate: 22.85%

-- Flow 2:

Average throughput: 32.09 Mbit/s

95th percentile per-packet one-way delay: 74.806 ms

Loss rate: 38.57%

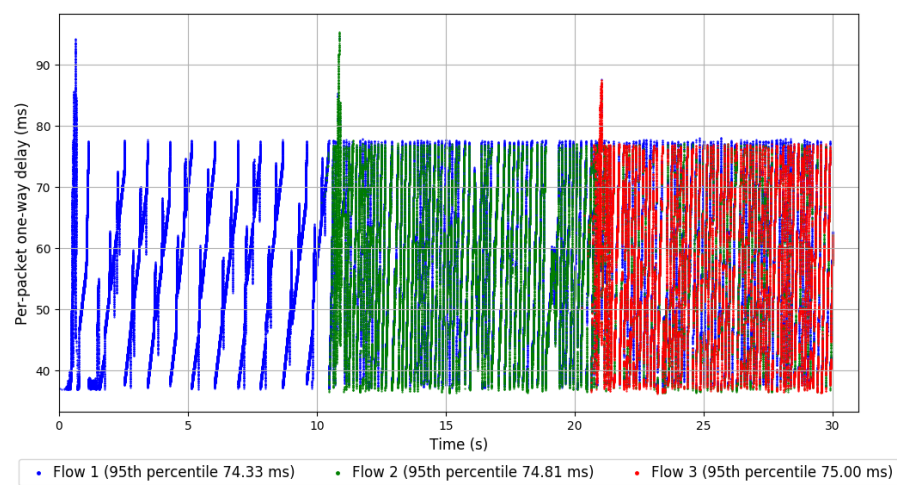
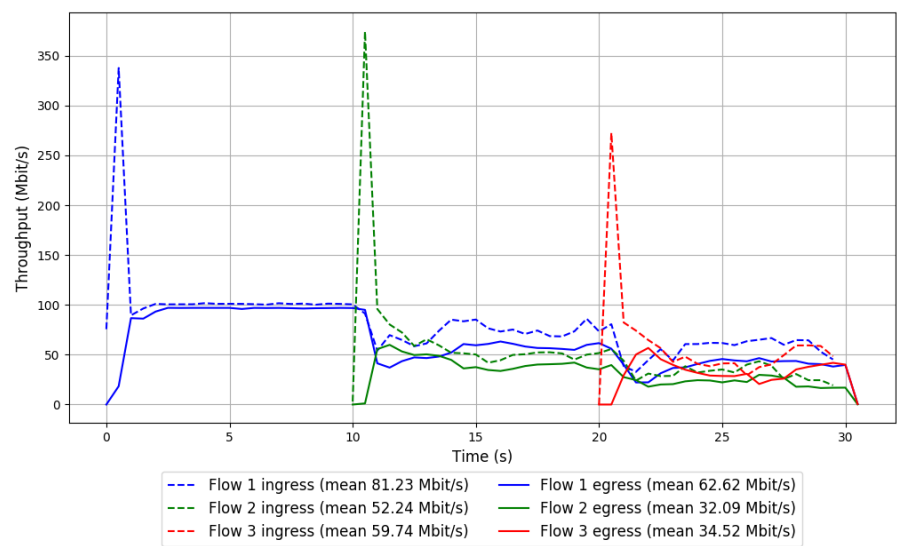
-- Flow 3:

Average throughput: 34.52 Mbit/s

95th percentile per-packet one-way delay: 75.002 ms

Loss rate: 43.31%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-30 00:43:04

End at: 2018-06-30 00:43:34

Local clock offset: 0.091 ms

Remote clock offset: 4.316 ms

Below is generated by plot.py at 2018-06-30 01:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 74.634 ms

Loss rate: 23.32%

-- Flow 1:

Average throughput: 60.81 Mbit/s

95th percentile per-packet one-way delay: 74.207 ms

Loss rate: 20.27%

-- Flow 2:

Average throughput: 34.62 Mbit/s

95th percentile per-packet one-way delay: 75.353 ms

Loss rate: 26.22%

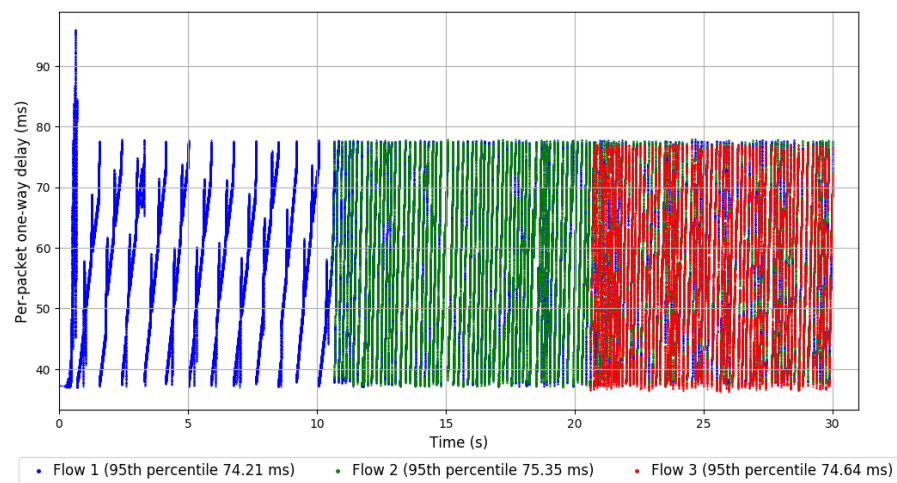
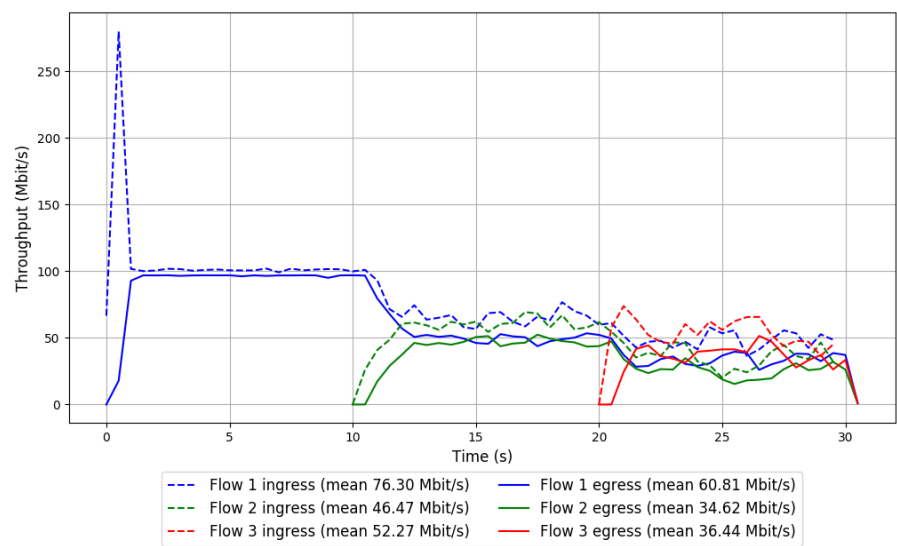
-- Flow 3:

Average throughput: 36.44 Mbit/s

95th percentile per-packet one-way delay: 74.640 ms

Loss rate: 31.60%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-30 01:08:03

End at: 2018-06-30 01:08:33

Local clock offset: 0.334 ms

Remote clock offset: 4.616 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.17 Mbit/s

95th percentile per-packet one-way delay: 74.676 ms

Loss rate: 25.06%

-- Flow 1:

Average throughput: 56.61 Mbit/s

95th percentile per-packet one-way delay: 74.303 ms

Loss rate: 21.45%

-- Flow 2:

Average throughput: 42.26 Mbit/s

95th percentile per-packet one-way delay: 75.238 ms

Loss rate: 27.06%

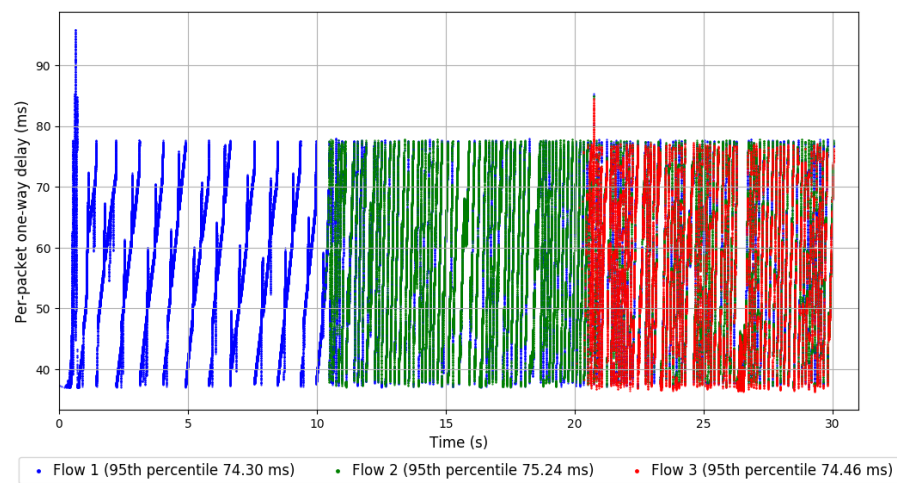
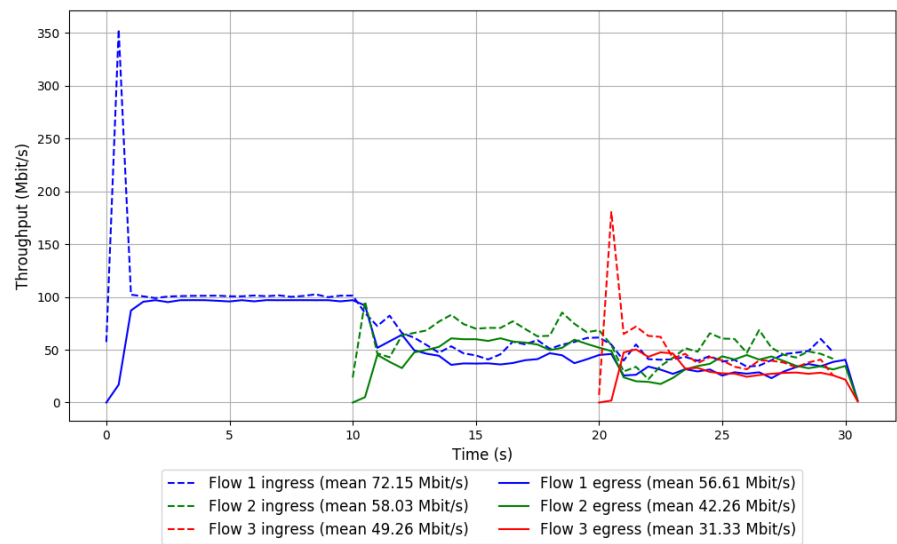
-- Flow 3:

Average throughput: 31.33 Mbit/s

95th percentile per-packet one-way delay: 74.458 ms

Loss rate: 36.22%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-06-29 21:09:05

End at: 2018-06-29 21:09:35

Local clock offset: 0.15 ms

Remote clock offset: 7.318 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.159 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.189 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.504 ms

Loss rate: 0.00%

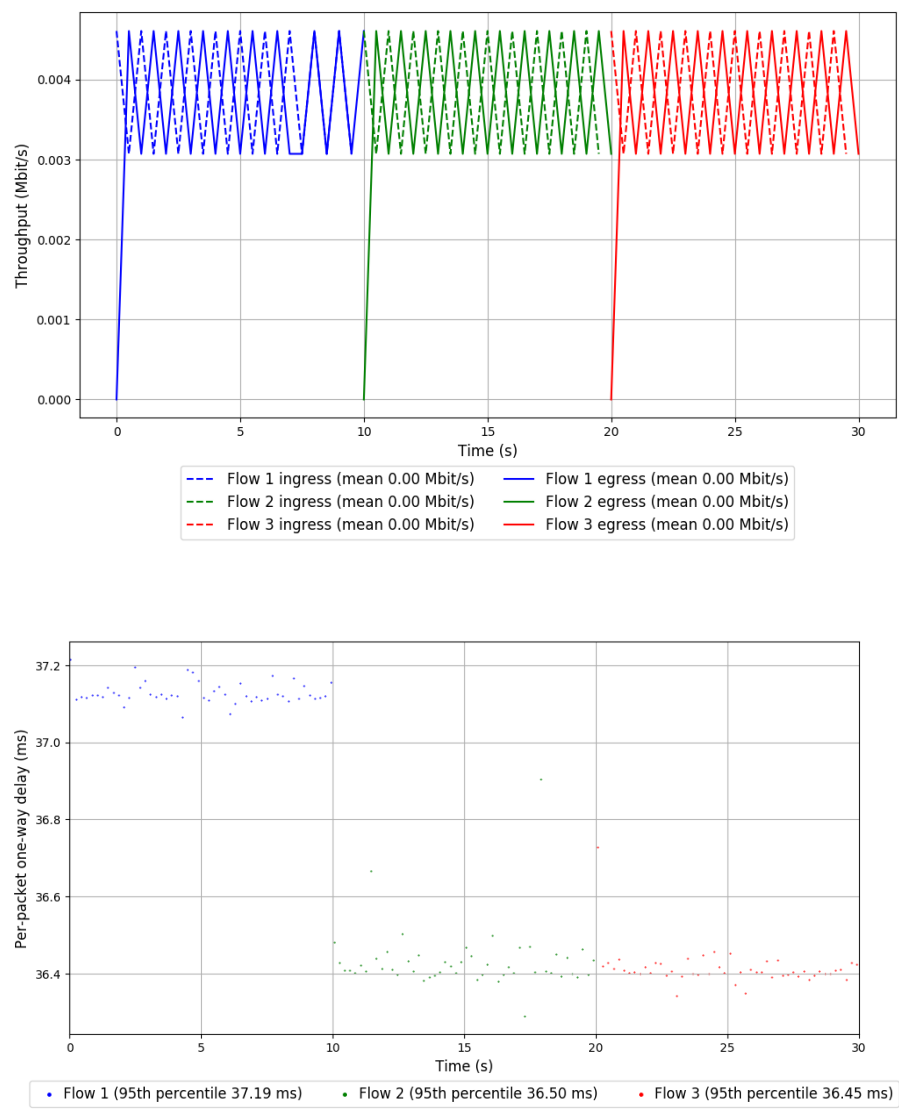
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.452 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-06-29 21:35:13

End at: 2018-06-29 21:35:43

Local clock offset: -0.997 ms

Remote clock offset: 7.911 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.212 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.230 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.533 ms

Loss rate: 0.00%

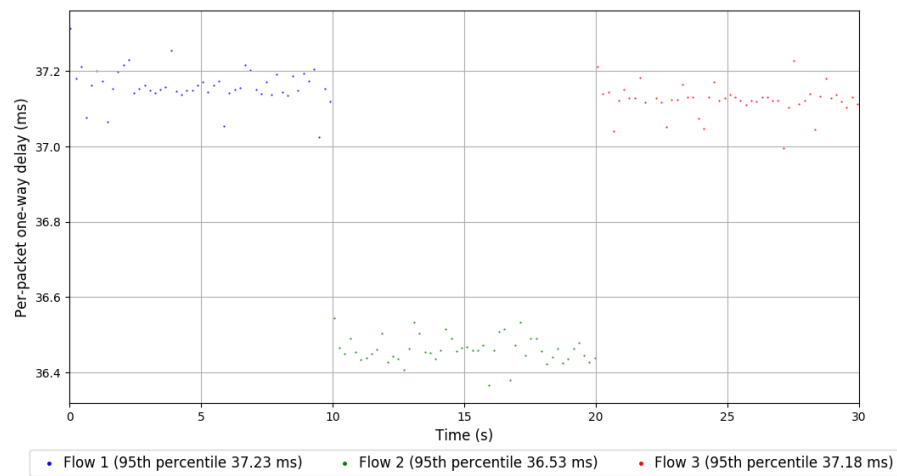
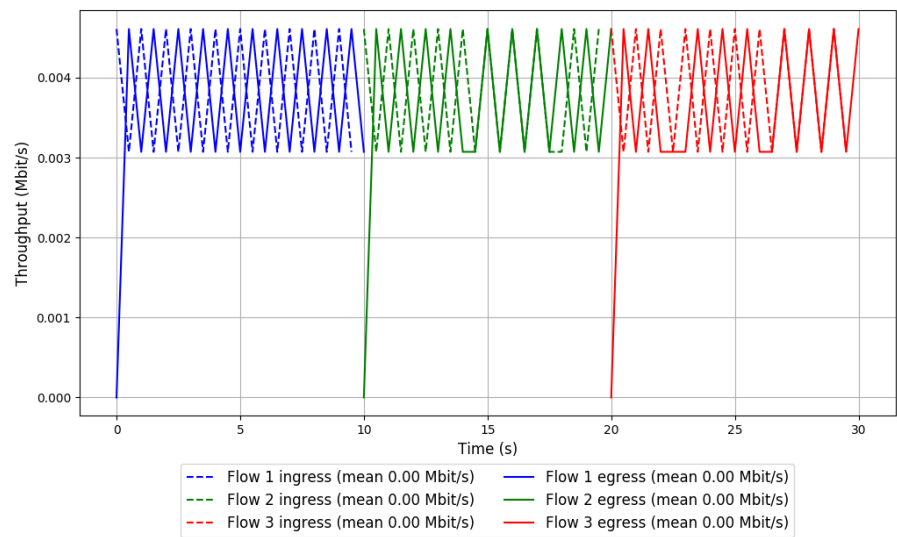
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.183 ms

Loss rate: 2.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-06-29 22:01:08

End at: 2018-06-29 22:01:38

Local clock offset: 3.619 ms

Remote clock offset: 9.406 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.393 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.784 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.381 ms

Loss rate: 0.00%

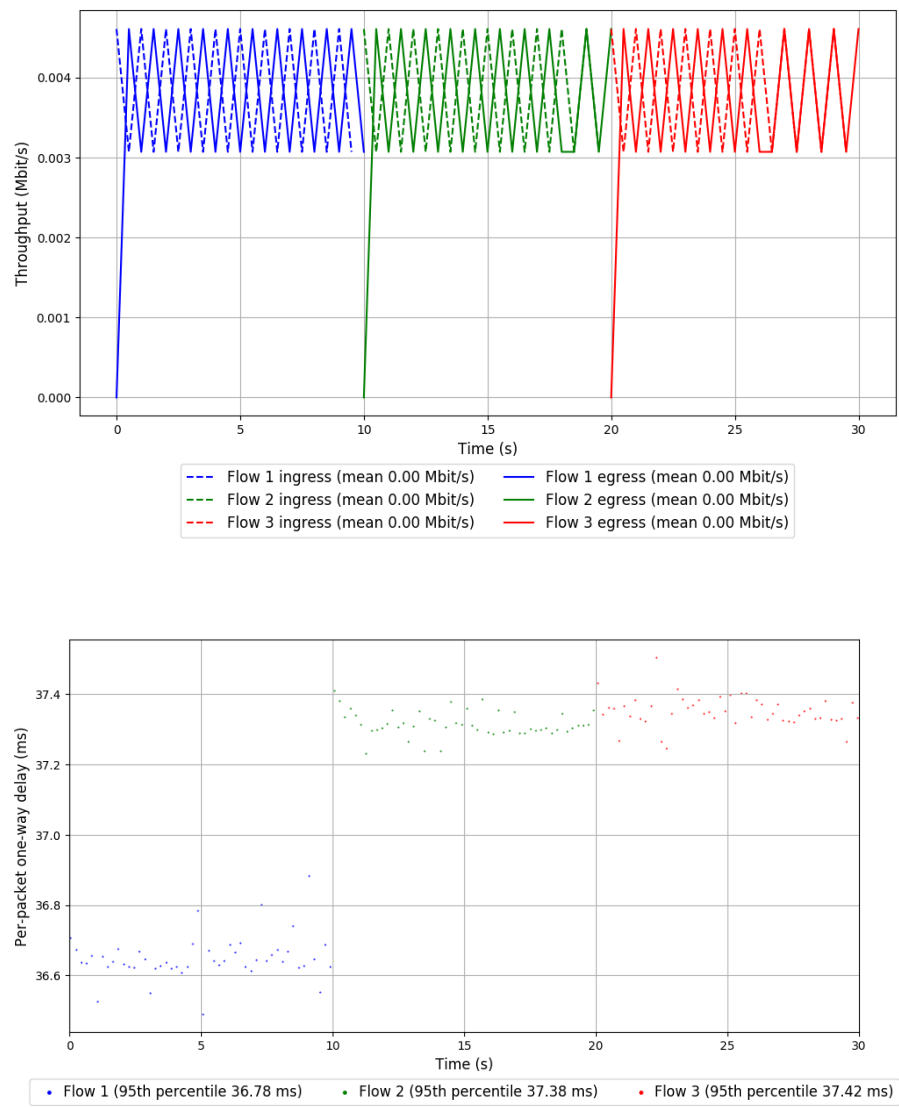
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.416 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-06-29 22:26:55

End at: 2018-06-29 22:27:25

Local clock offset: 6.015 ms

Remote clock offset: 5.387 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.420 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.638 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.711 ms

Loss rate: 0.00%

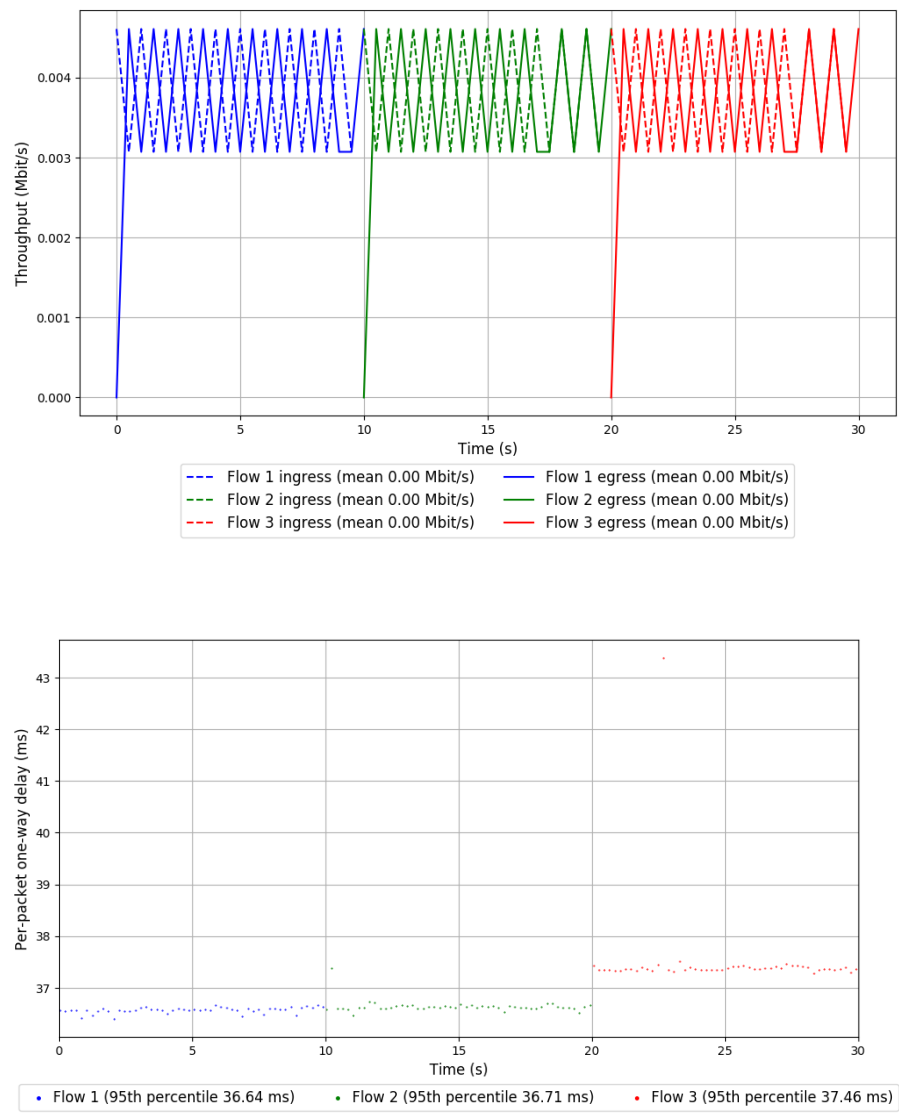
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.459 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-06-29 22:54:07

End at: 2018-06-29 22:54:37

Local clock offset: 5.004 ms

Remote clock offset: 3.39 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.121 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.146 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.149 ms

Loss rate: 0.00%

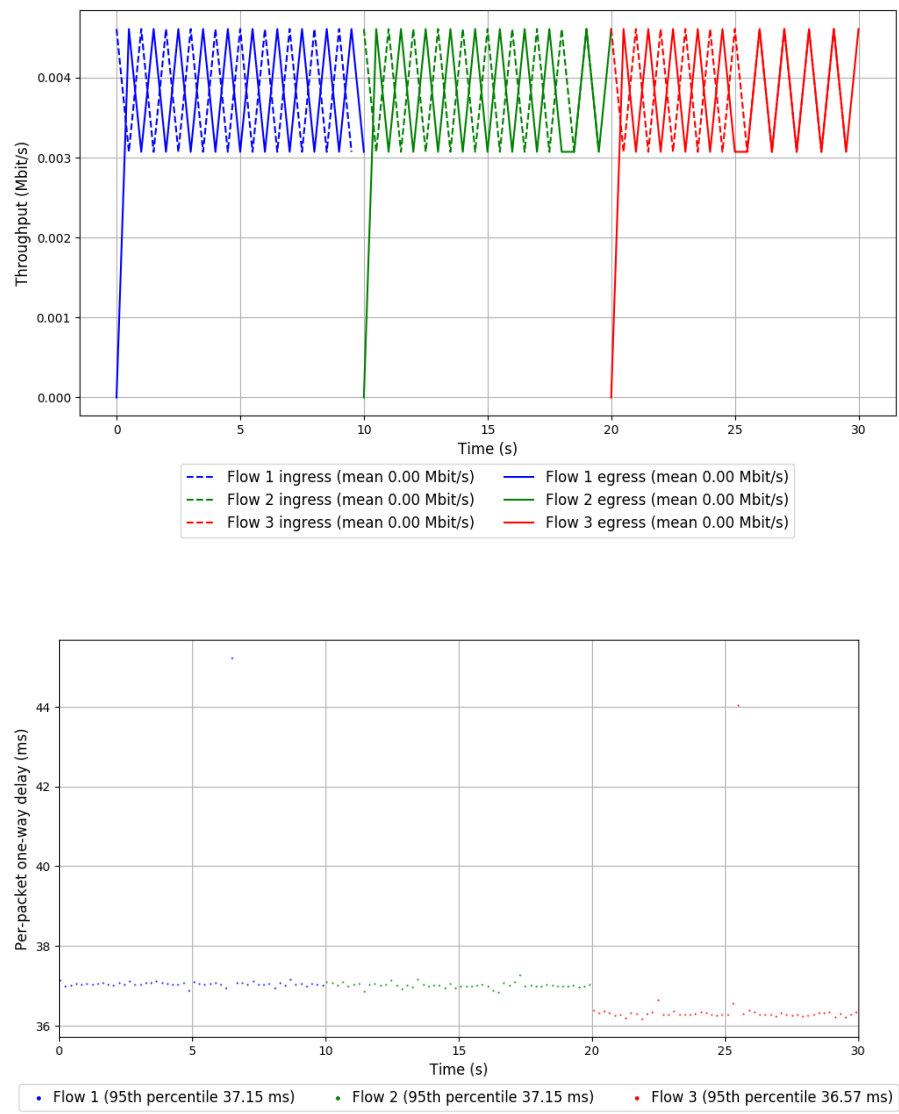
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.569 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-06-29 23:20:35

End at: 2018-06-29 23:21:05

Local clock offset: 2.275 ms

Remote clock offset: 3.328 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.003 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.340 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.008 ms

Loss rate: 0.00%

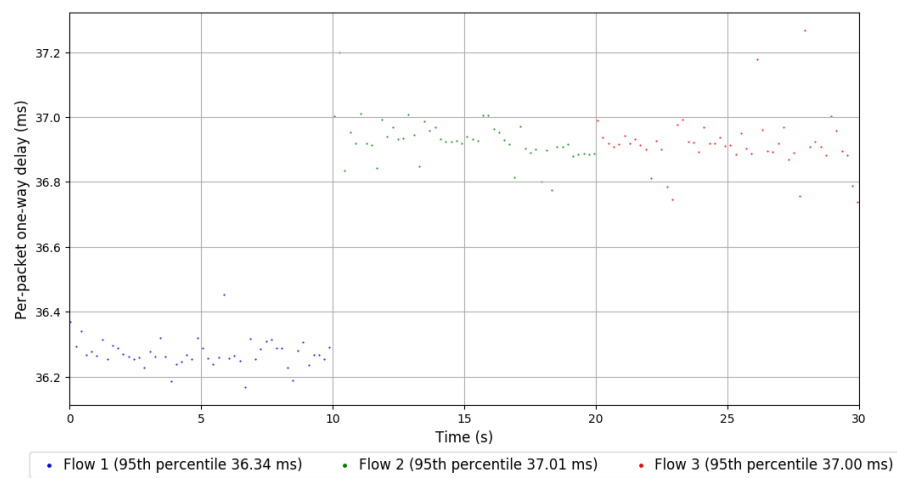
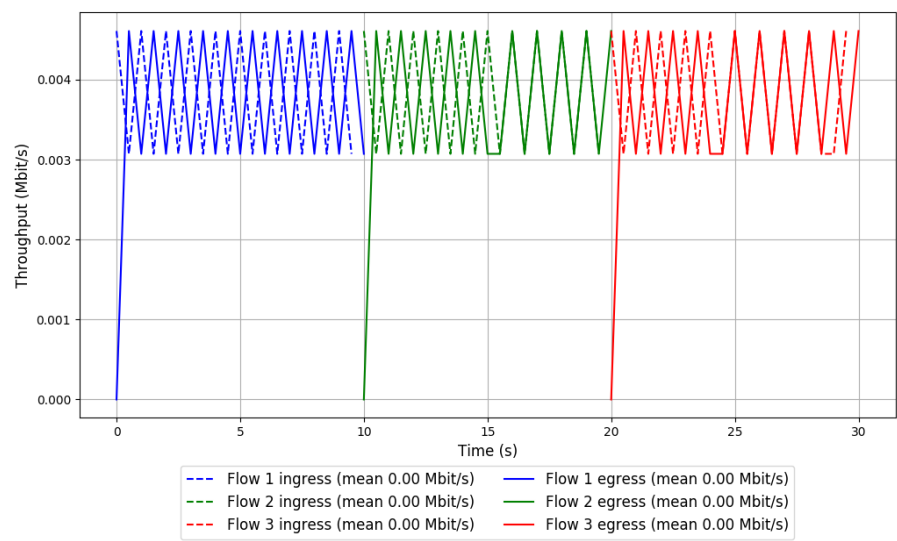
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.003 ms

Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-06-29 23:45:18

End at: 2018-06-29 23:45:48

Local clock offset: -0.418 ms

Remote clock offset: 3.961 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.322 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.652 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.330 ms

Loss rate: 0.00%

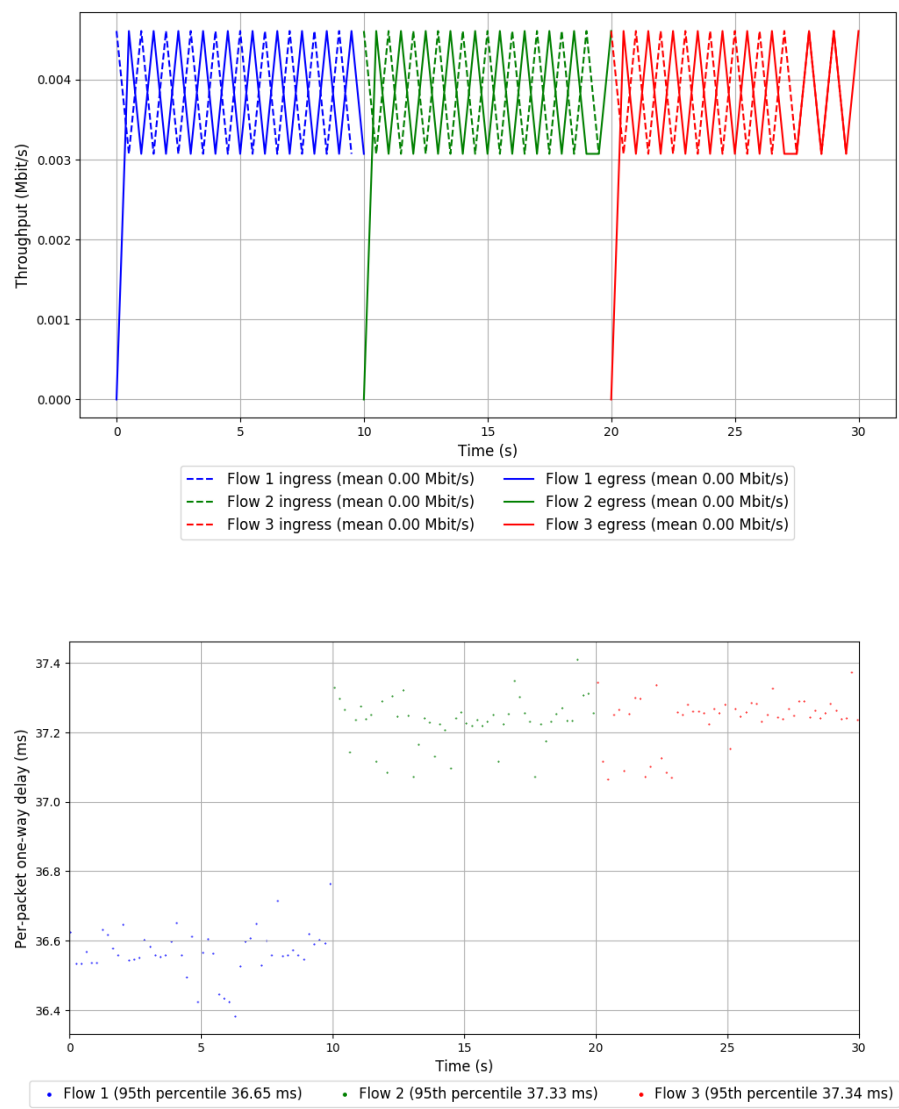
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.336 ms

Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link

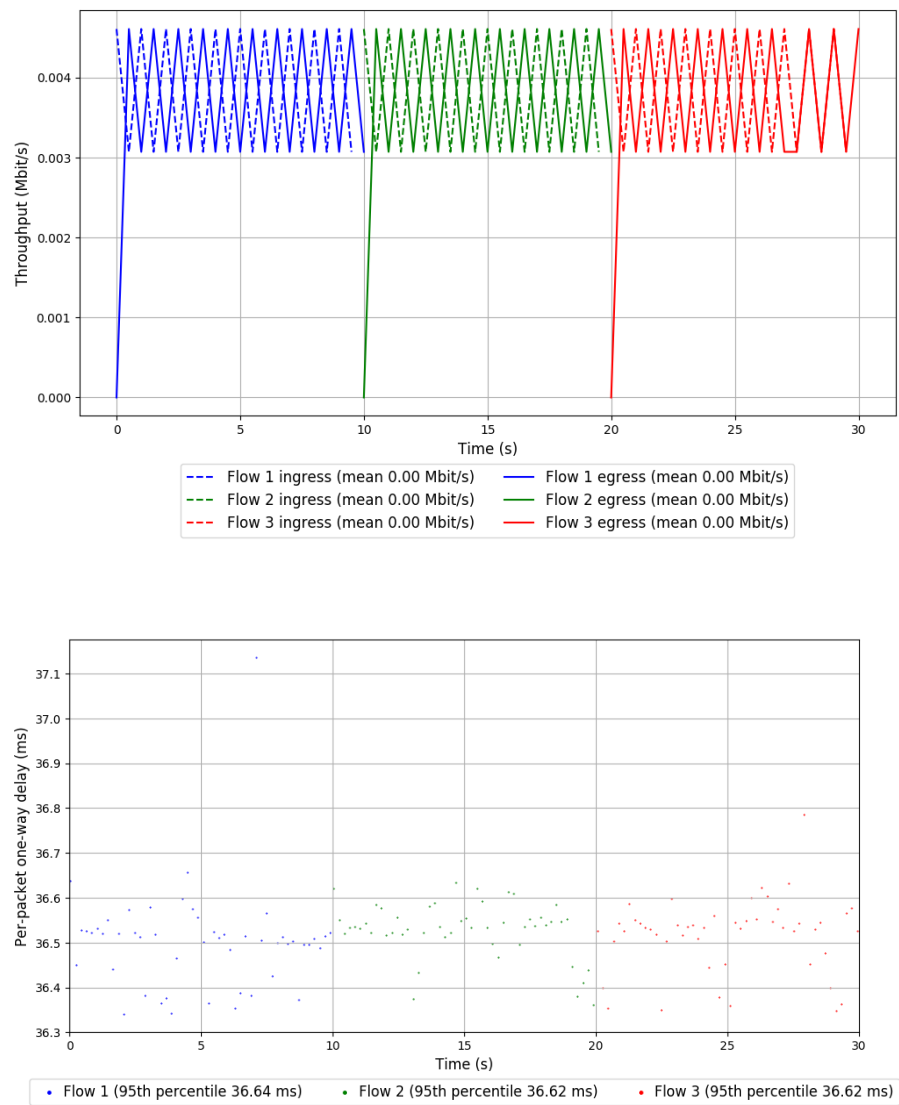


Run 8: Statistics of FillP-Sheep

Start at: 2018-06-30 00:10:10
End at: 2018-06-30 00:10:40
Local clock offset: -0.038 ms
Remote clock offset: 3.932 ms

Below is generated by plot.py at 2018-06-30 01:24:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 36.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 36.637 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 36.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 36.623 ms
Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link

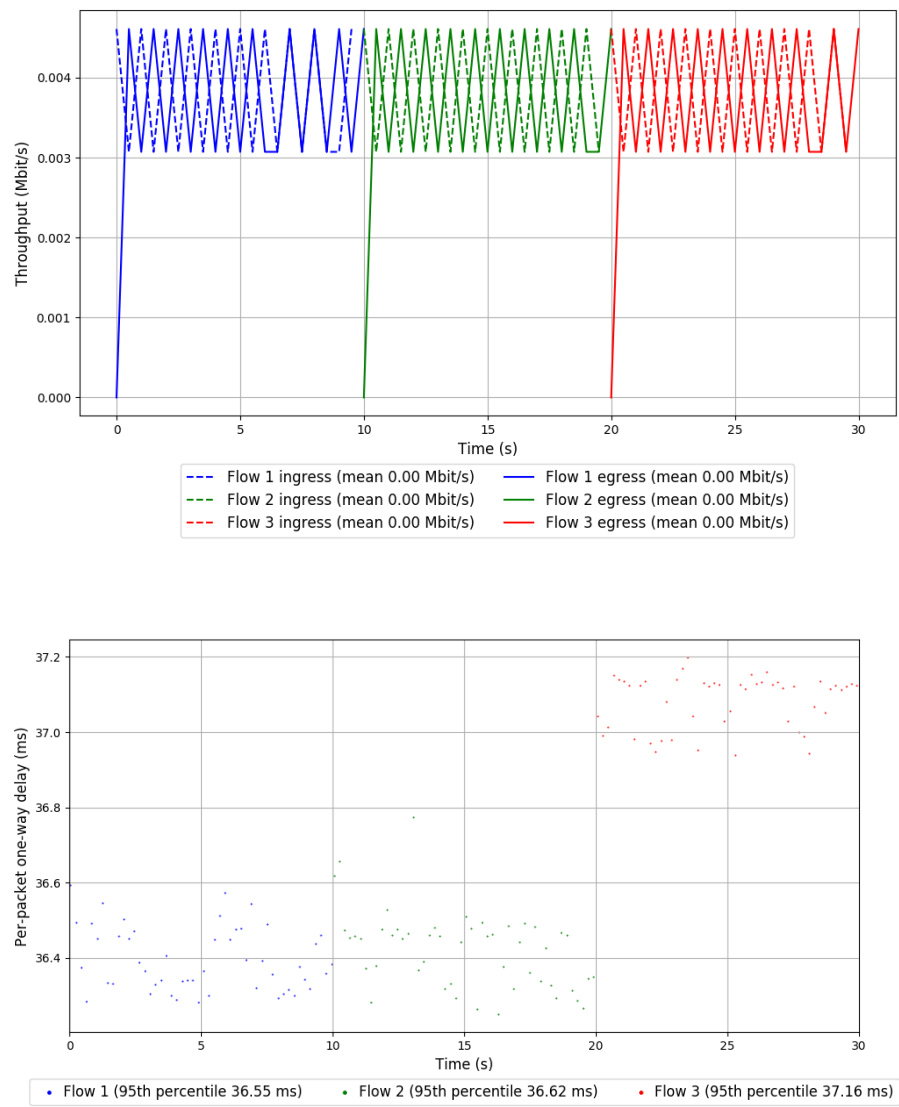


Run 9: Statistics of FillP-Sheep

Start at: 2018-06-30 00:36:01
End at: 2018-06-30 00:36:31
Local clock offset: 0.224 ms
Remote clock offset: 3.948 ms

Below is generated by plot.py at 2018-06-30 01:24:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 37.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 36.546 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 36.619 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 37.160 ms
Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 01:01:10

End at: 2018-06-30 01:01:40

Local clock offset: 0.381 ms

Remote clock offset: 4.709 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.668 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.630 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.701 ms

Loss rate: 0.00%

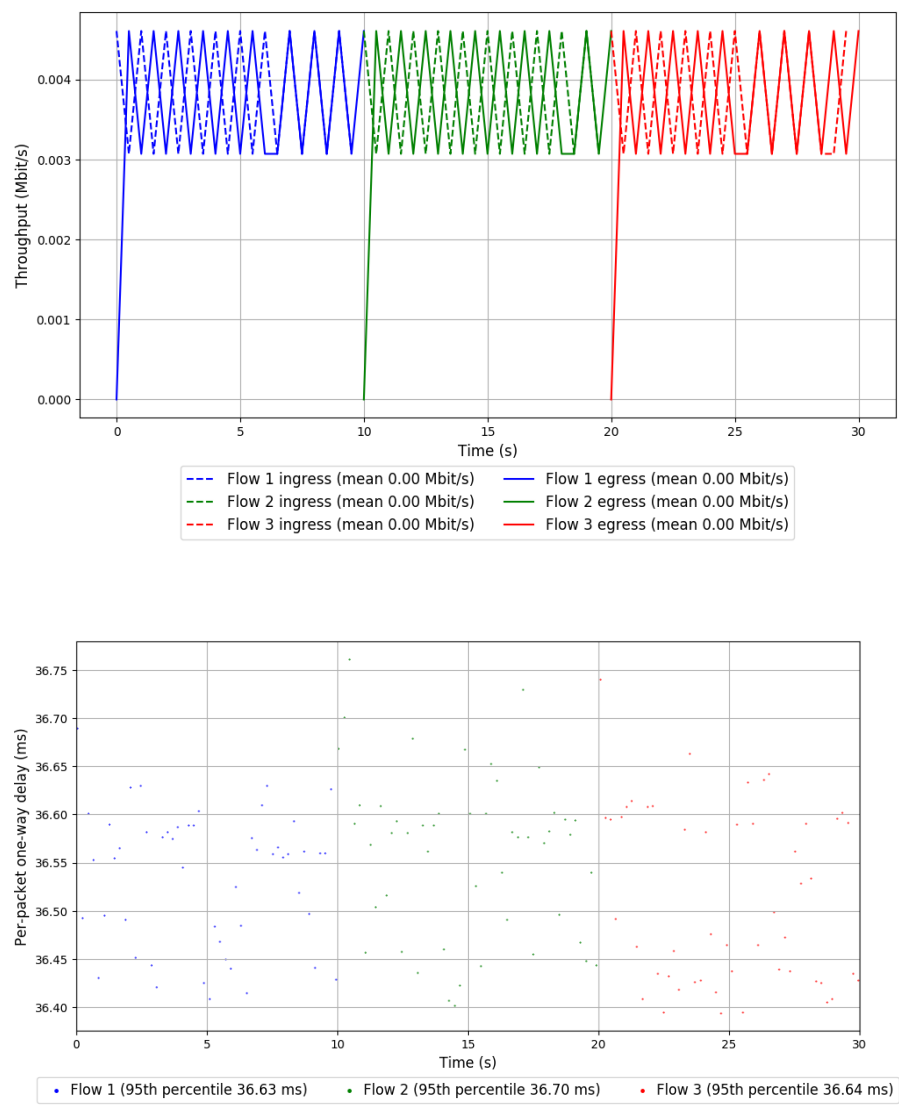
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.642 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

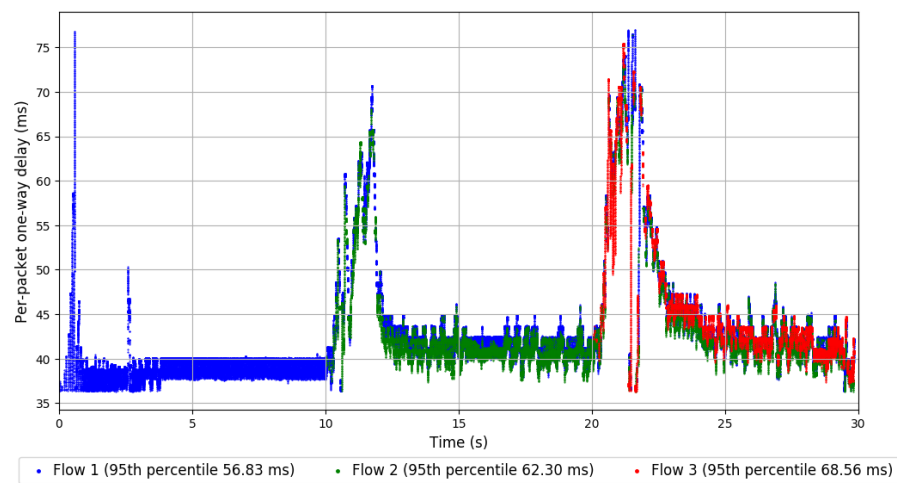
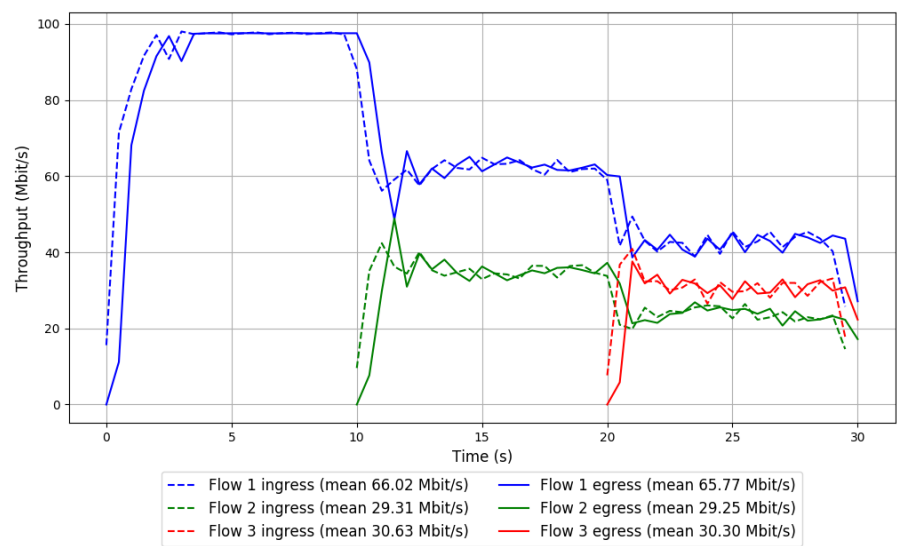


```
Run 1: Statistics of Indigo

Start at: 2018-06-29 20:59:36
End at: 2018-06-29 21:00:06
Local clock offset: 0.874 ms
Remote clock offset: 7.119 ms

# Below is generated by plot.py at 2018-06-30 01:24:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 59.601 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 65.77 Mbit/s
95th percentile per-packet one-way delay: 56.834 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 62.298 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 30.30 Mbit/s
95th percentile per-packet one-way delay: 68.562 ms
Loss rate: 1.10%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-29 21:25:25

End at: 2018-06-29 21:25:55

Local clock offset: -0.643 ms

Remote clock offset: 7.671 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.85 Mbit/s

95th percentile per-packet one-way delay: 50.822 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 67.45 Mbit/s

95th percentile per-packet one-way delay: 49.078 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.13 Mbit/s

95th percentile per-packet one-way delay: 53.315 ms

Loss rate: 0.00%

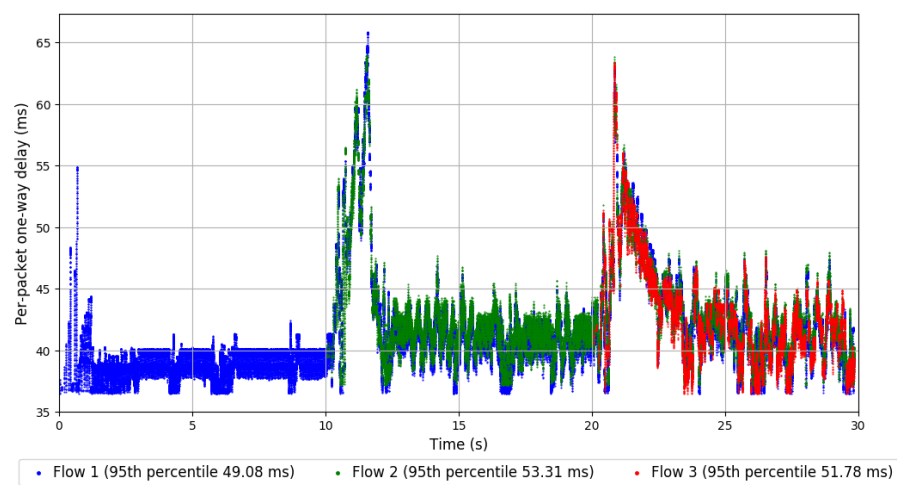
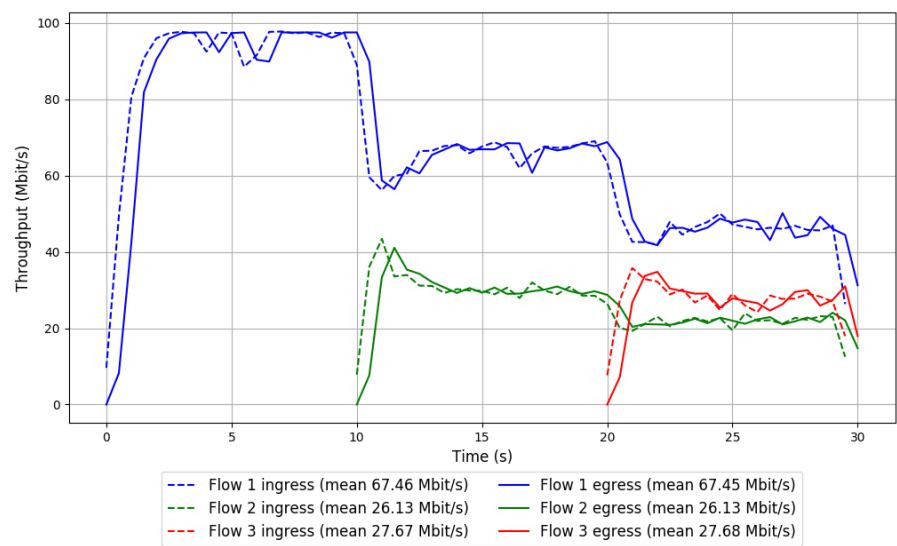
-- Flow 3:

Average throughput: 27.68 Mbit/s

95th percentile per-packet one-way delay: 51.785 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-29 21:51:30

End at: 2018-06-29 21:52:00

Local clock offset: 1.331 ms

Remote clock offset: 8.874 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 49.783 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 59.40 Mbit/s

95th percentile per-packet one-way delay: 48.734 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.28 Mbit/s

95th percentile per-packet one-way delay: 49.828 ms

Loss rate: 0.03%

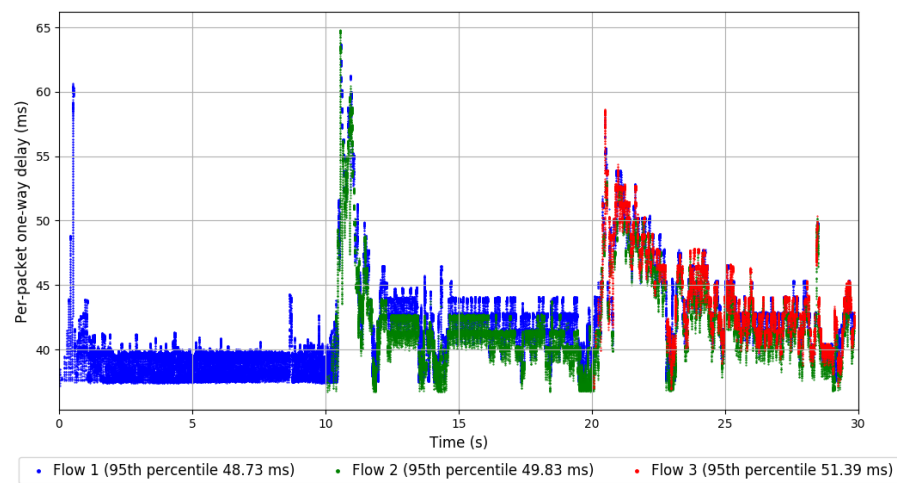
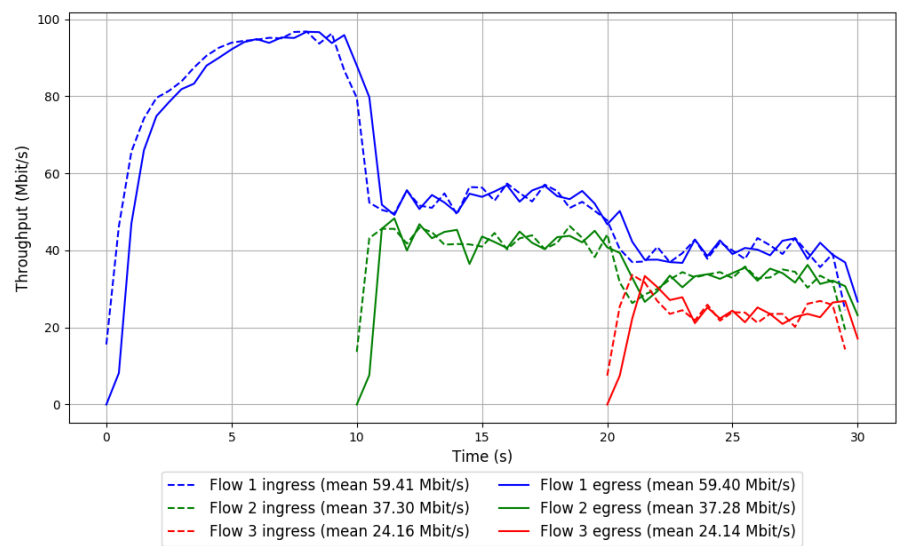
-- Flow 3:

Average throughput: 24.14 Mbit/s

95th percentile per-packet one-way delay: 51.392 ms

Loss rate: 0.02%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-29 22:16:50

End at: 2018-06-29 22:17:20

Local clock offset: 5.322 ms

Remote clock offset: 9.924 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 55.954 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 66.07 Mbit/s

95th percentile per-packet one-way delay: 52.377 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 23.71 Mbit/s

95th percentile per-packet one-way delay: 58.704 ms

Loss rate: 0.00%

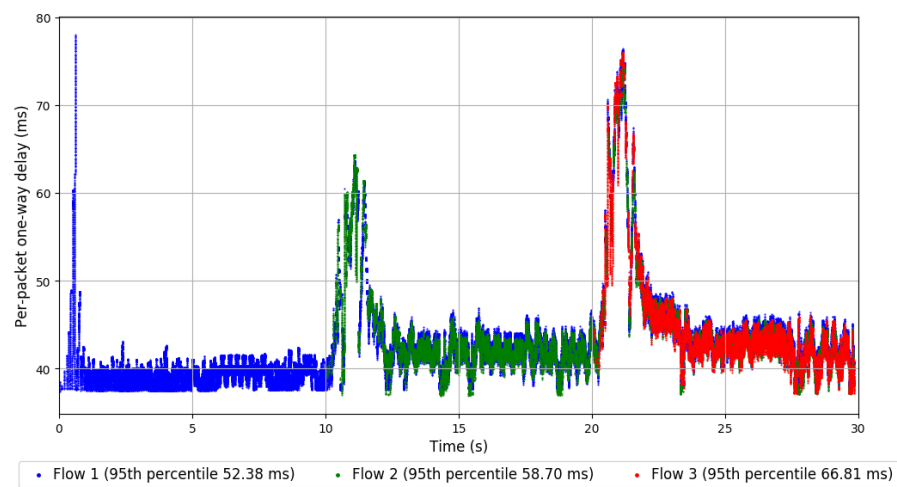
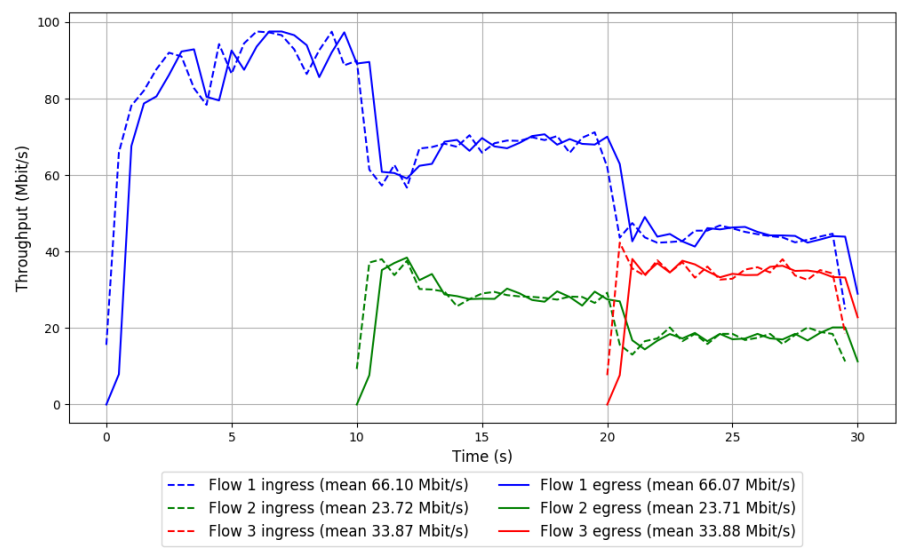
-- Flow 3:

Average throughput: 33.88 Mbit/s

95th percentile per-packet one-way delay: 66.806 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-29 22:43:15

End at: 2018-06-29 22:43:45

Local clock offset: 7.143 ms

Remote clock offset: 3.591 ms

Below is generated by plot.py at 2018-06-30 01:24:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 57.289 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 59.25 Mbit/s

95th percentile per-packet one-way delay: 53.353 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 31.57 Mbit/s

95th percentile per-packet one-way delay: 58.383 ms

Loss rate: 0.18%

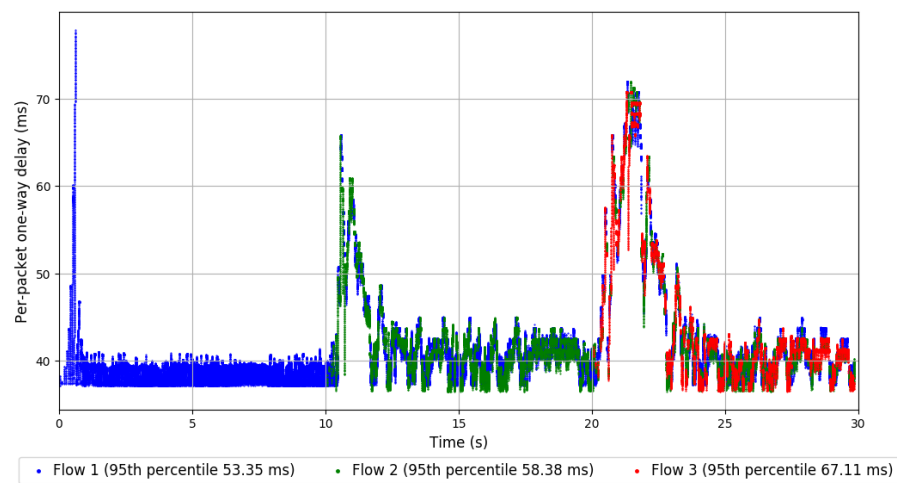
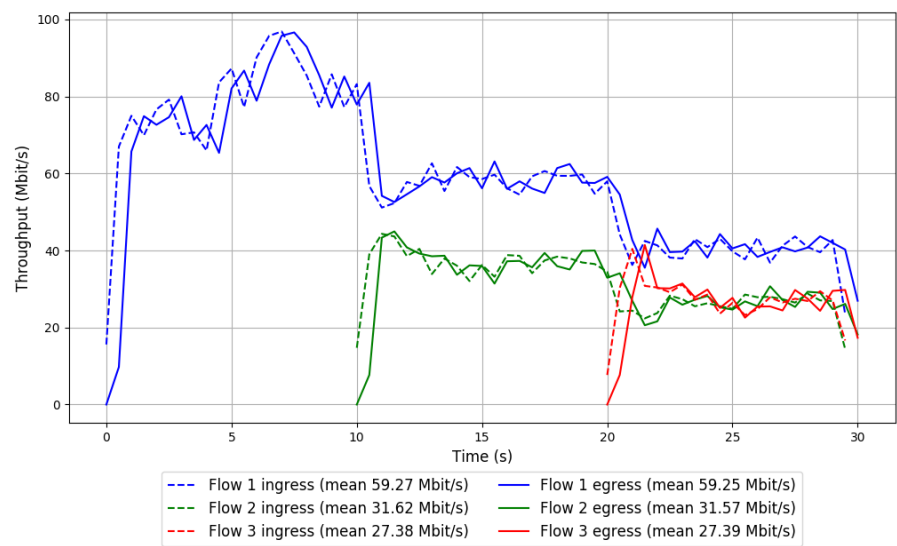
-- Flow 3:

Average throughput: 27.39 Mbit/s

95th percentile per-packet one-way delay: 67.114 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-29 23:10:51

End at: 2018-06-29 23:11:21

Local clock offset: 3.795 ms

Remote clock offset: 3.449 ms

Below is generated by plot.py at 2018-06-30 01:25:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 54.553 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 62.99 Mbit/s

95th percentile per-packet one-way delay: 53.119 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 35.63 Mbit/s

95th percentile per-packet one-way delay: 60.637 ms

Loss rate: 0.06%

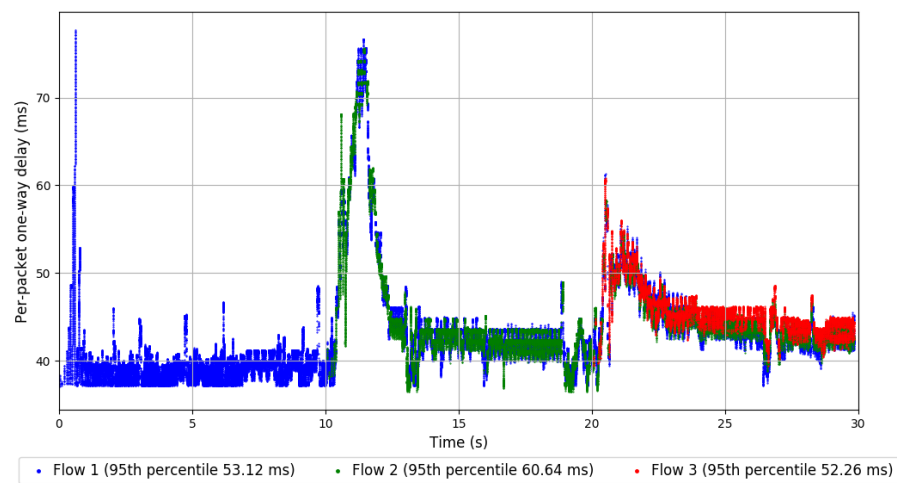
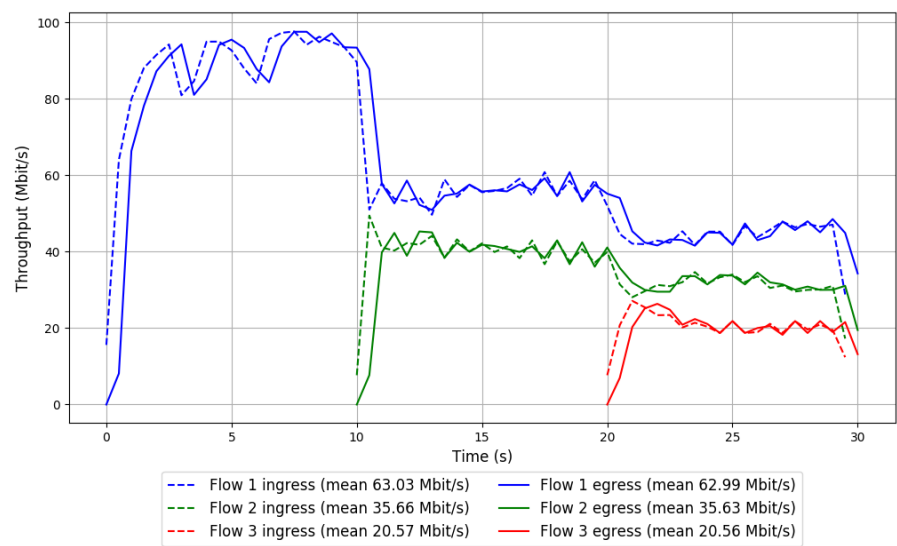
-- Flow 3:

Average throughput: 20.56 Mbit/s

95th percentile per-packet one-way delay: 52.264 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

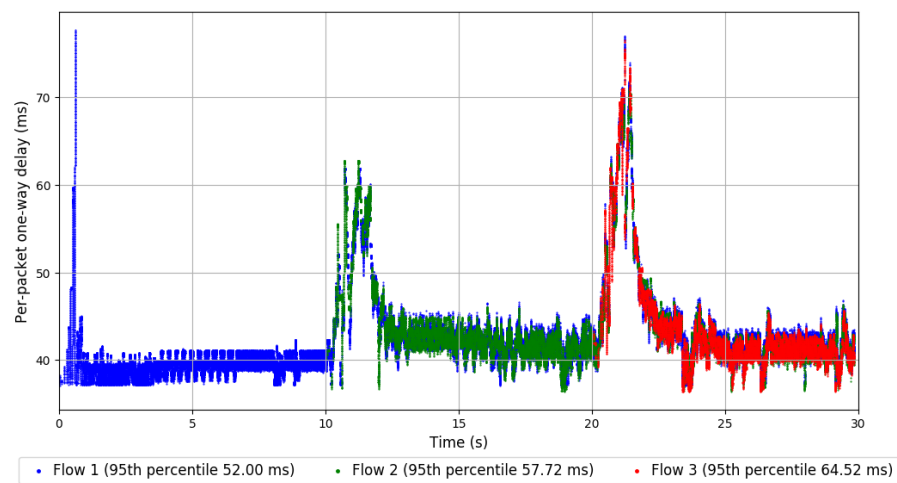
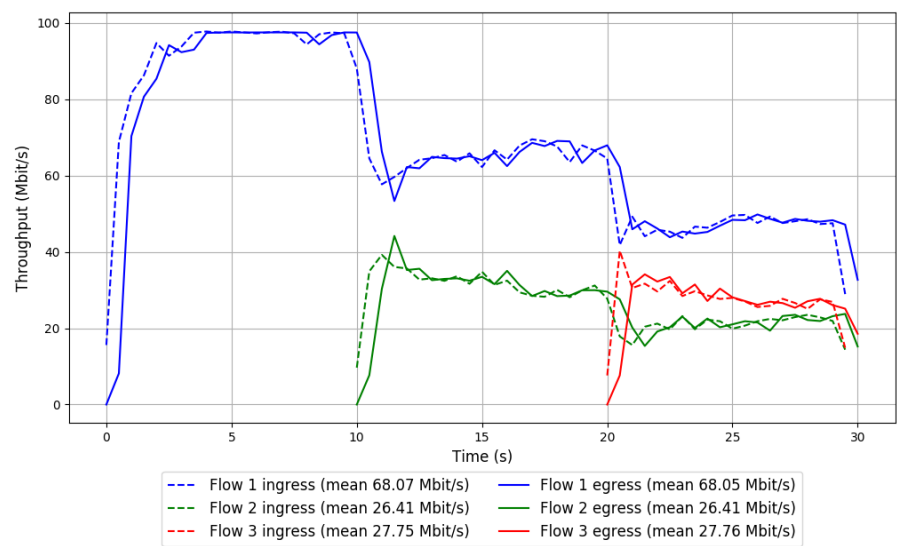


Run 7: Statistics of Indigo

Start at: 2018-06-29 23:36:10
End at: 2018-06-29 23:36:40
Local clock offset: 0.237 ms
Remote clock offset: 3.872 ms

Below is generated by plot.py at 2018-06-30 01:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 55.479 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 52.000 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 57.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 64.522 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-30 00:00:48

End at: 2018-06-30 00:01:18

Local clock offset: 0.136 ms

Remote clock offset: 3.985 ms

Below is generated by plot.py at 2018-06-30 01:25:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 51.065 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.10 Mbit/s

95th percentile per-packet one-way delay: 49.626 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.96 Mbit/s

95th percentile per-packet one-way delay: 56.067 ms

Loss rate: 0.00%

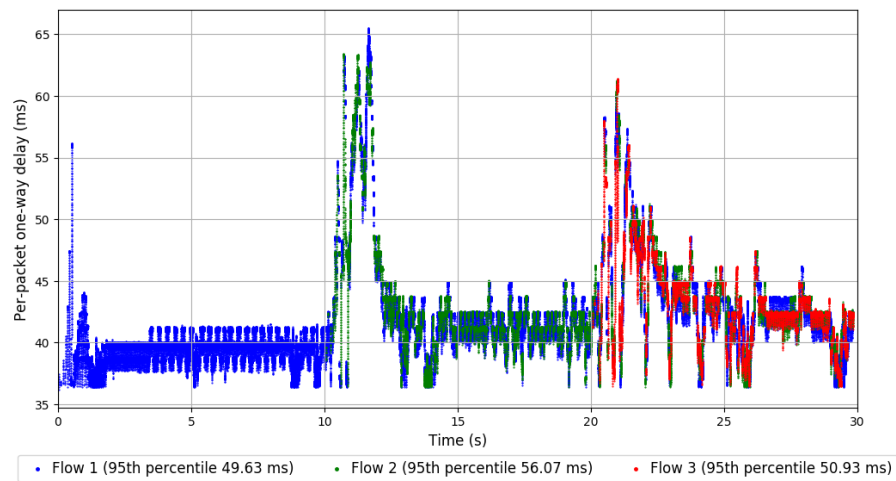
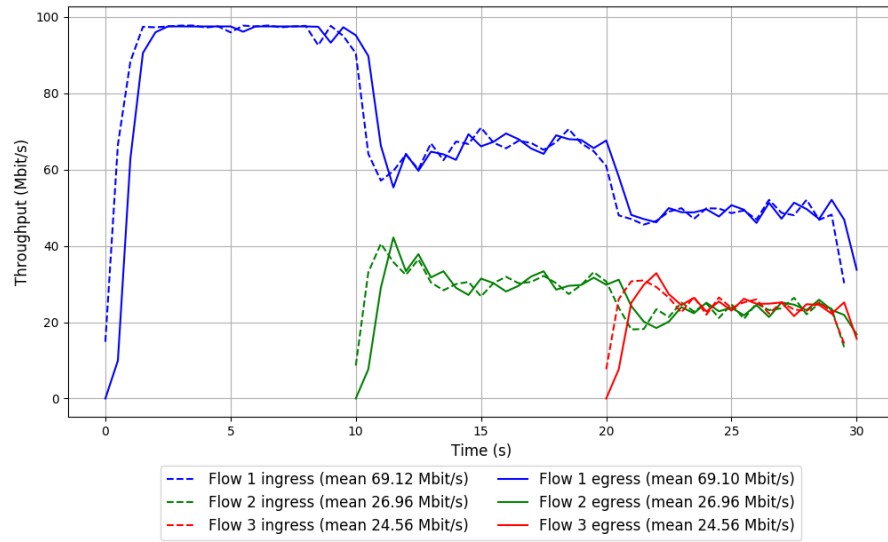
-- Flow 3:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 50.926 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-30 00:26:01

End at: 2018-06-30 00:26:31

Local clock offset: 0.262 ms

Remote clock offset: 3.829 ms

Below is generated by plot.py at 2018-06-30 01:25:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 62.161 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 62.08 Mbit/s

95th percentile per-packet one-way delay: 57.239 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 33.48 Mbit/s

95th percentile per-packet one-way delay: 64.933 ms

Loss rate: 0.22%

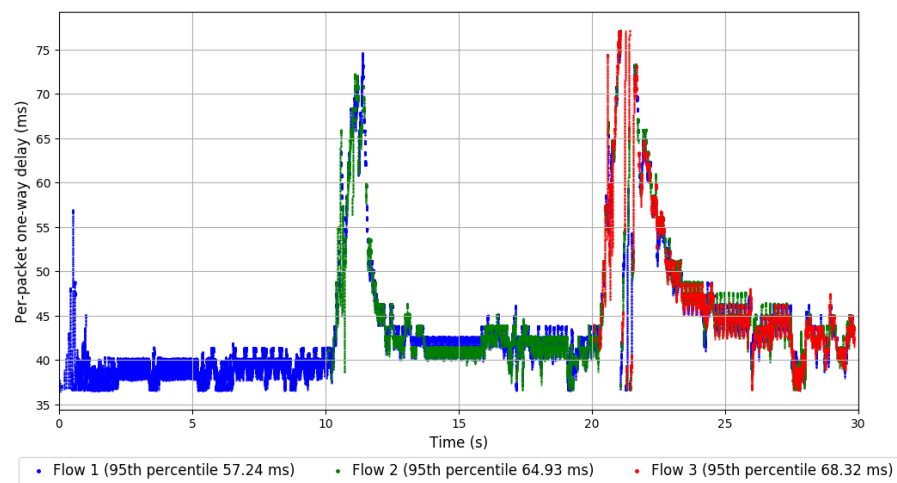
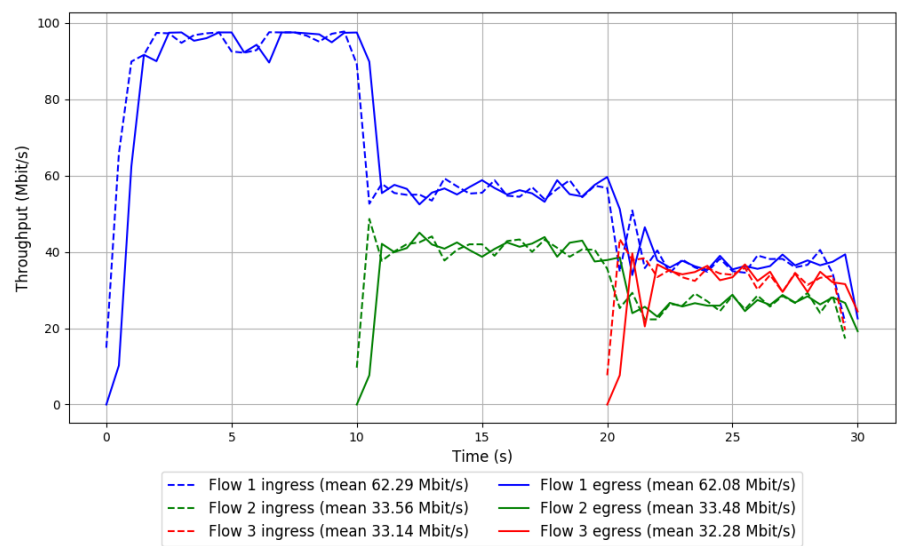
-- Flow 3:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 68.323 ms

Loss rate: 2.60%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-30 00:51:43

End at: 2018-06-30 00:52:13

Local clock offset: 0.268 ms

Remote clock offset: 4.559 ms

Below is generated by plot.py at 2018-06-30 01:26:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 54.966 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 63.13 Mbit/s

95th percentile per-packet one-way delay: 50.672 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 55.722 ms

Loss rate: 0.48%

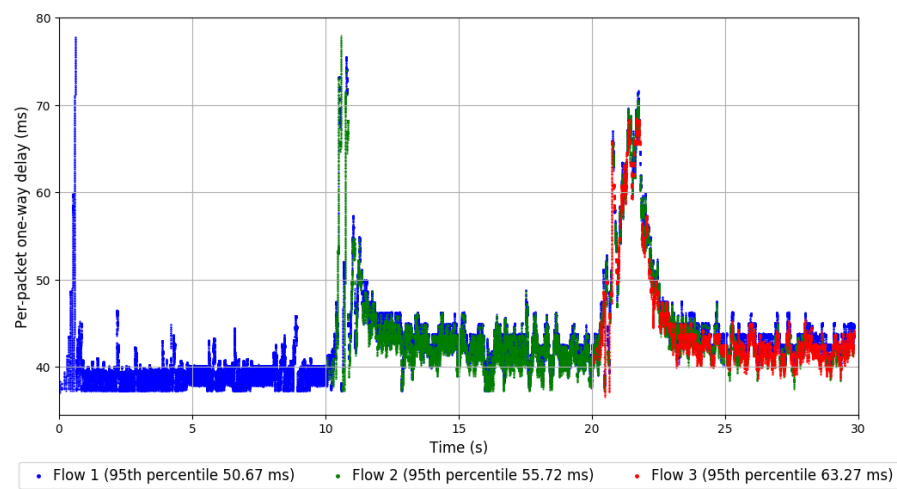
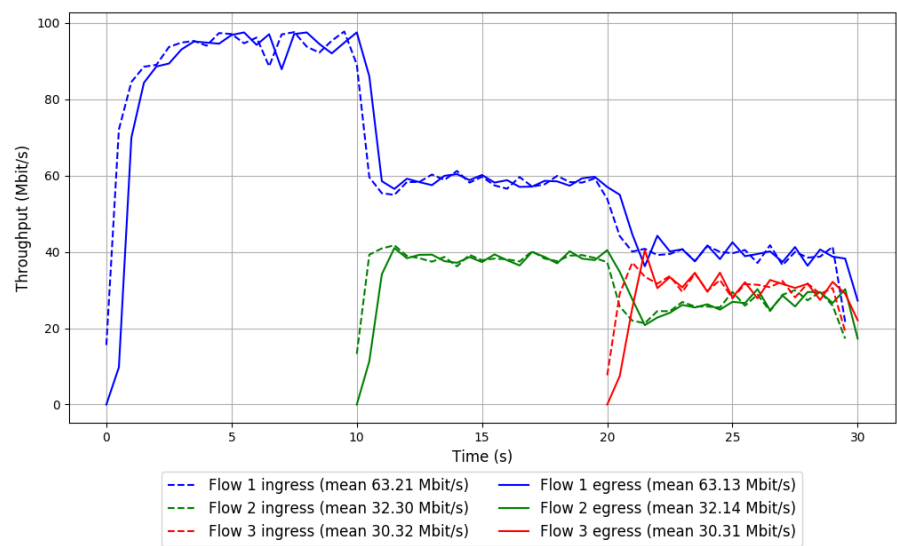
-- Flow 3:

Average throughput: 30.31 Mbit/s

95th percentile per-packet one-way delay: 63.270 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

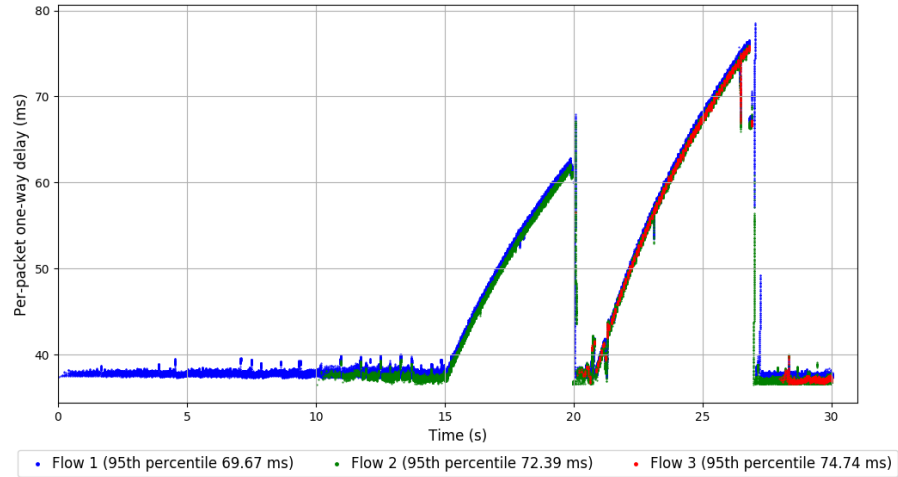
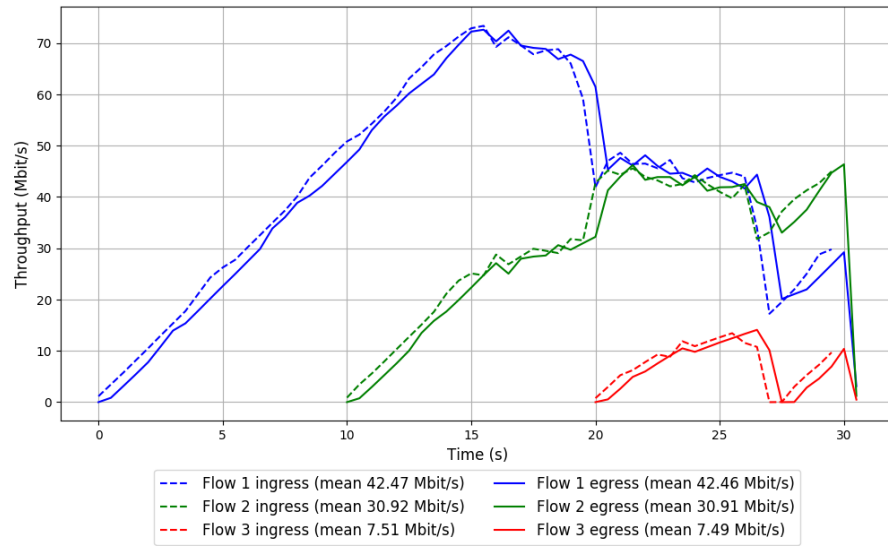


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-29 21:17:47
End at: 2018-06-29 21:18:17
Local clock offset: -0.363 ms
Remote clock offset: 7.512 ms

# Below is generated by plot.py at 2018-06-30 01:26:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.50 Mbit/s
95th percentile per-packet one-way delay: 71.436 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 69.670 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 72.395 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 74.744 ms
Loss rate: 0.57%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-29 21:43:49

End at: 2018-06-29 21:44:19

Local clock offset: -1.345 ms

Remote clock offset: 8.384 ms

Below is generated by plot.py at 2018-06-30 01:26:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.01 Mbit/s

95th percentile per-packet one-way delay: 59.838 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 60.123 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 34.53 Mbit/s

95th percentile per-packet one-way delay: 59.758 ms

Loss rate: 0.03%

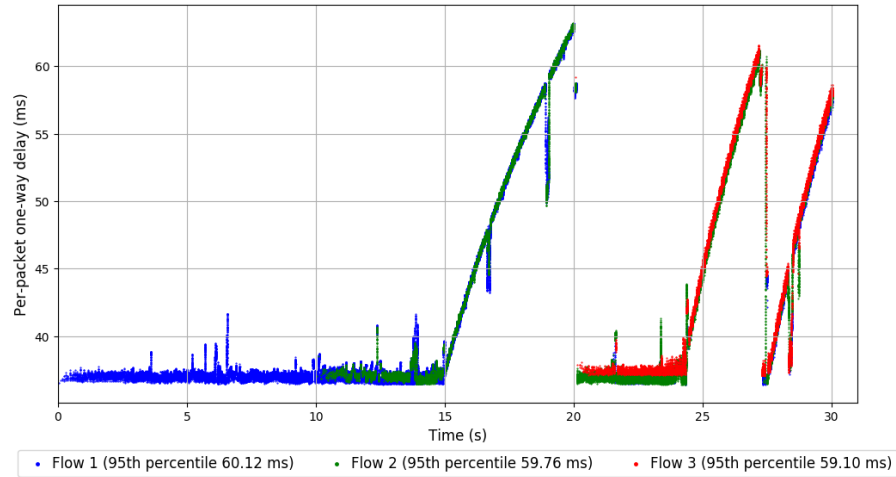
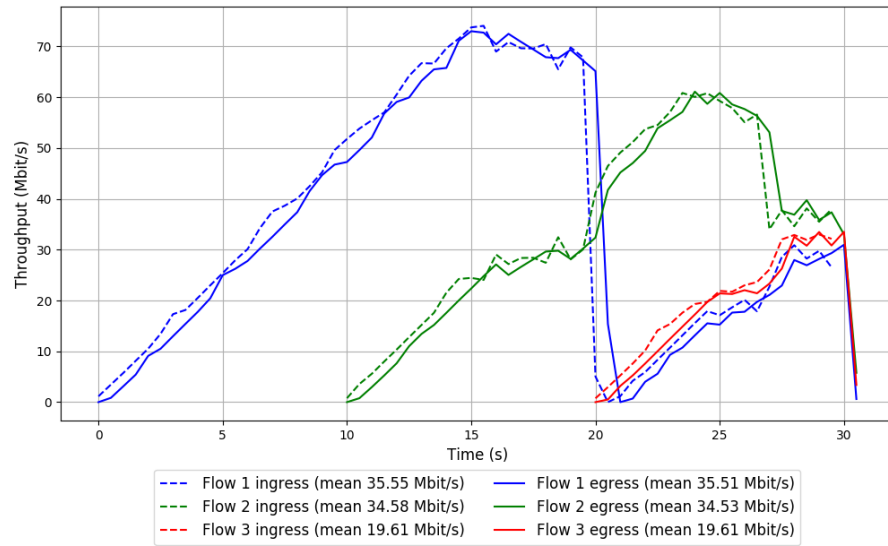
-- Flow 3:

Average throughput: 19.61 Mbit/s

95th percentile per-packet one-way delay: 59.097 ms

Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-29 22:09:37

End at: 2018-06-29 22:10:07

Local clock offset: 4.745 ms

Remote clock offset: 9.782 ms

Below is generated by plot.py at 2018-06-30 01:26:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.71 Mbit/s

95th percentile per-packet one-way delay: 67.366 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 63.547 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 30.33 Mbit/s

95th percentile per-packet one-way delay: 67.996 ms

Loss rate: 0.02%

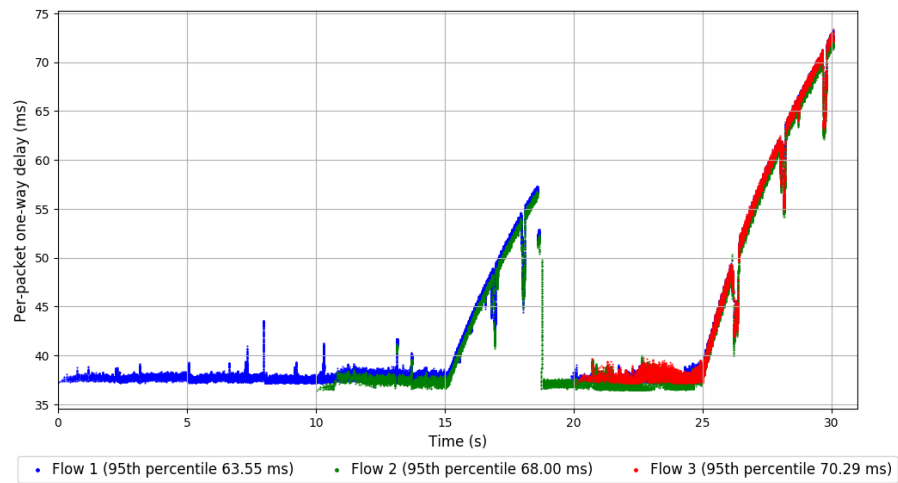
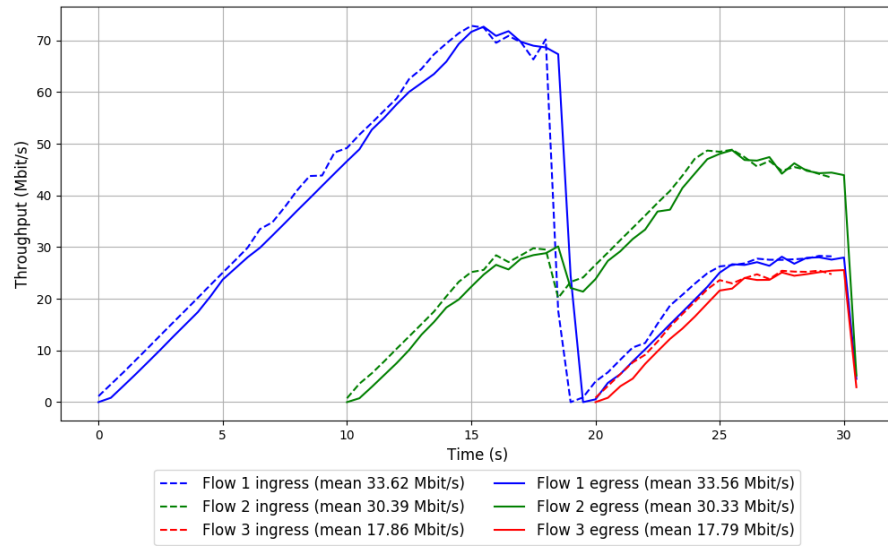
-- Flow 3:

Average throughput: 17.79 Mbit/s

95th percentile per-packet one-way delay: 70.293 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-29 22:35:48

End at: 2018-06-29 22:36:18

Local clock offset: 6.659 ms

Remote clock offset: 4.037 ms

Below is generated by plot.py at 2018-06-30 01:26:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.44 Mbit/s

95th percentile per-packet one-way delay: 68.380 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 36.72 Mbit/s

95th percentile per-packet one-way delay: 68.679 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 29.21 Mbit/s

95th percentile per-packet one-way delay: 68.437 ms

Loss rate: 0.01%

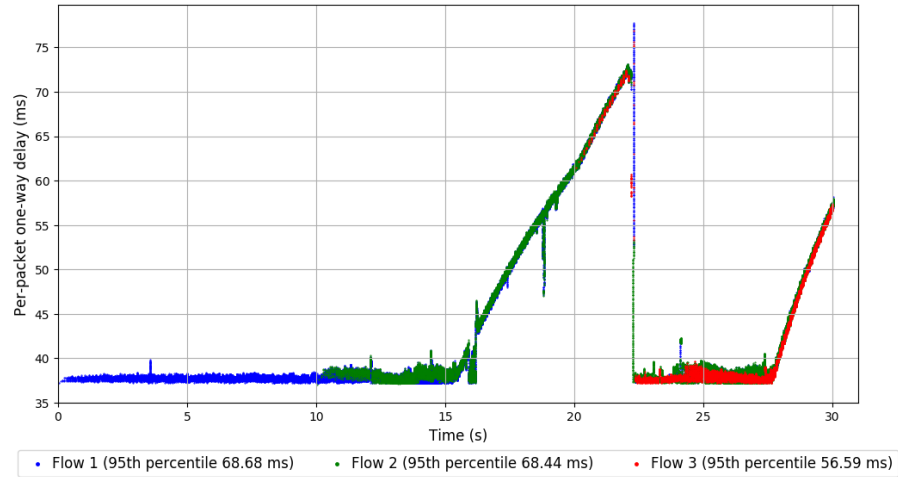
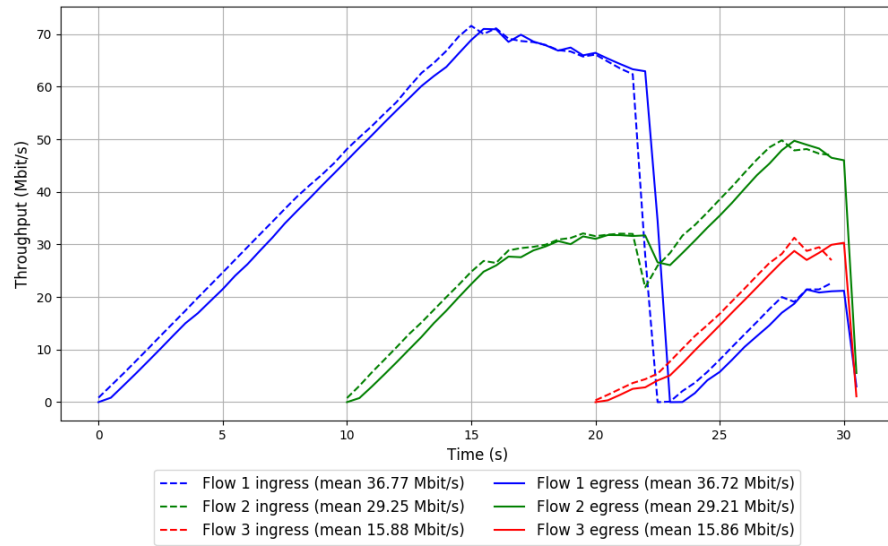
-- Flow 3:

Average throughput: 15.86 Mbit/s

95th percentile per-packet one-way delay: 56.594 ms

Loss rate: 0.15%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-29 23:03:07

End at: 2018-06-29 23:03:37

Local clock offset: 4.086 ms

Remote clock offset: 2.711 ms

Below is generated by plot.py at 2018-06-30 01:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.33 Mbit/s

95th percentile per-packet one-way delay: 69.007 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 36.80 Mbit/s

95th percentile per-packet one-way delay: 68.449 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 70.478 ms

Loss rate: 0.41%

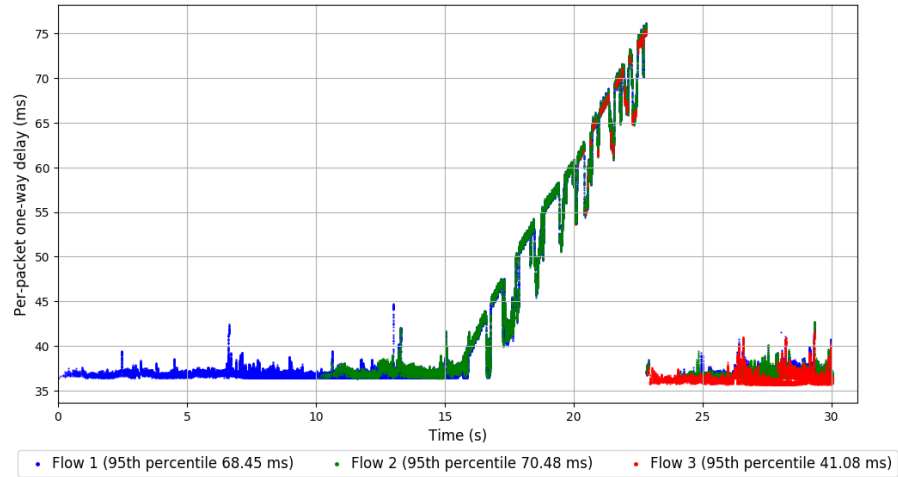
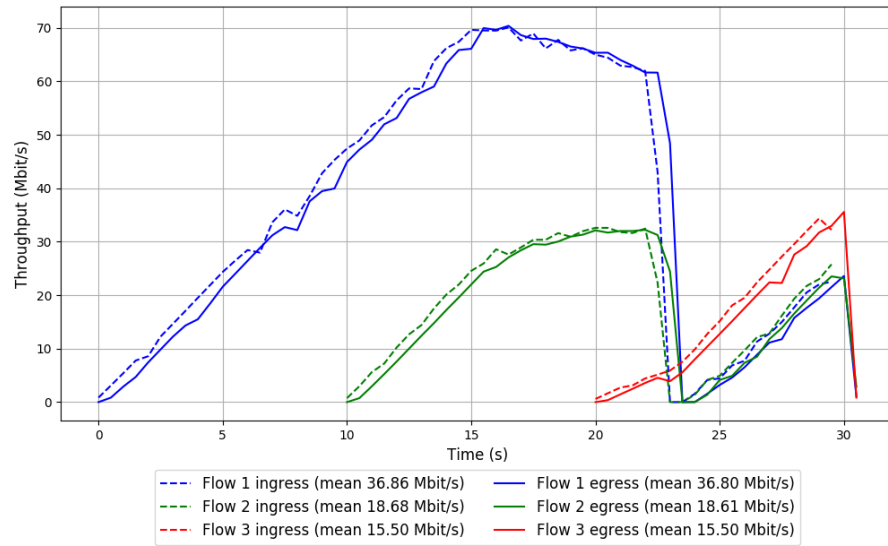
-- Flow 3:

Average throughput: 15.50 Mbit/s

95th percentile per-packet one-way delay: 41.083 ms

Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-29 23:28:51

End at: 2018-06-29 23:29:21

Local clock offset: 0.832 ms

Remote clock offset: 3.003 ms

Below is generated by plot.py at 2018-06-30 01:26:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.22 Mbit/s

95th percentile per-packet one-way delay: 70.684 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 49.72 Mbit/s

95th percentile per-packet one-way delay: 70.372 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 14.88 Mbit/s

95th percentile per-packet one-way delay: 72.417 ms

Loss rate: 0.35%

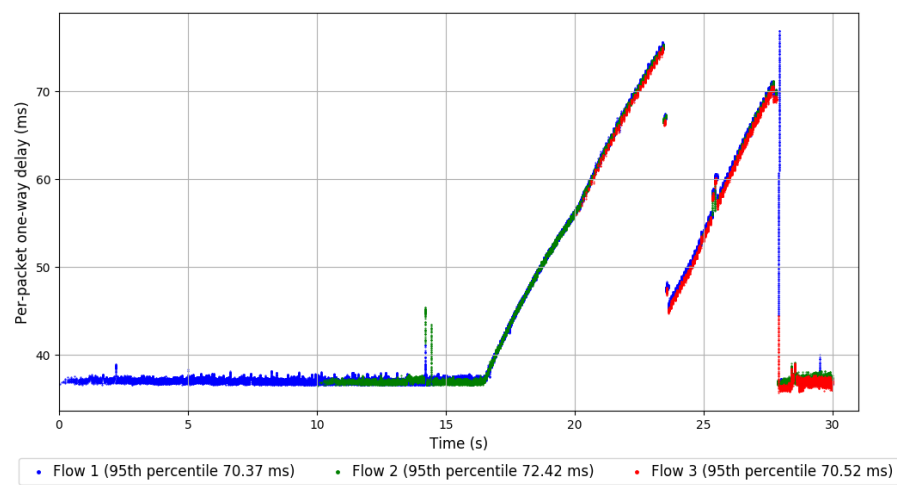
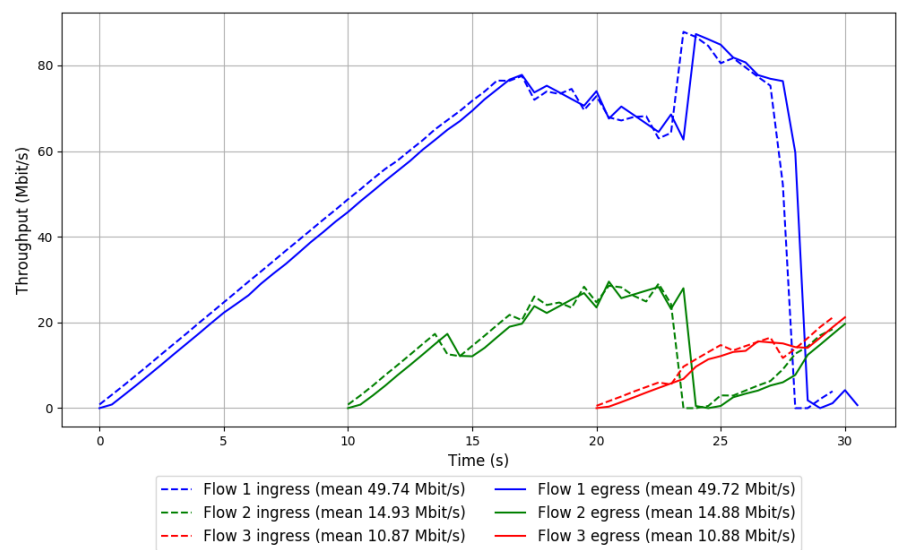
-- Flow 3:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 70.521 ms

Loss rate: 0.10%

Run 6: Report of LEDBAT — Data Link

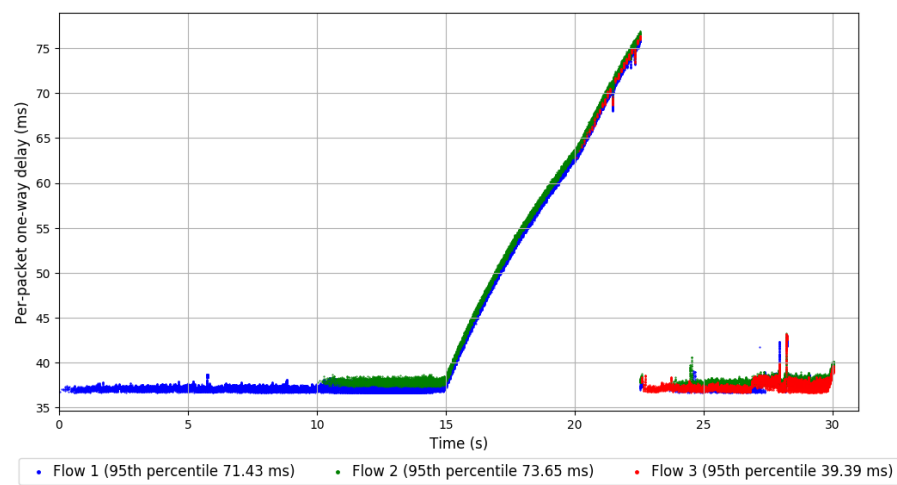
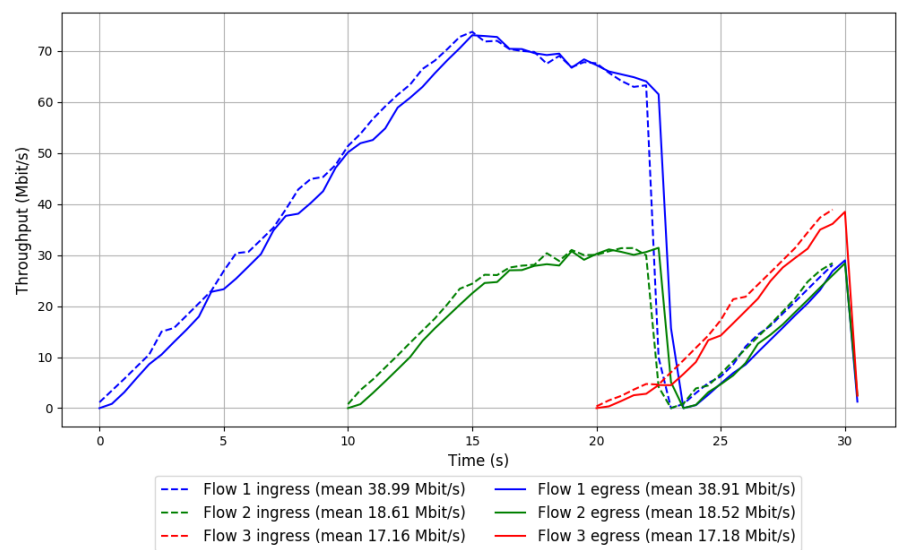


Run 7: Statistics of LEDBAT

Start at: 2018-06-29 23:53:43
End at: 2018-06-29 23:54:13
Local clock offset: -0.002 ms
Remote clock offset: 4.14 ms

Below is generated by plot.py at 2018-06-30 01:26:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 71.892 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 71.428 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 73.648 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 39.389 ms
Loss rate: 0.10%

Run 7: Report of LEDBAT — Data Link

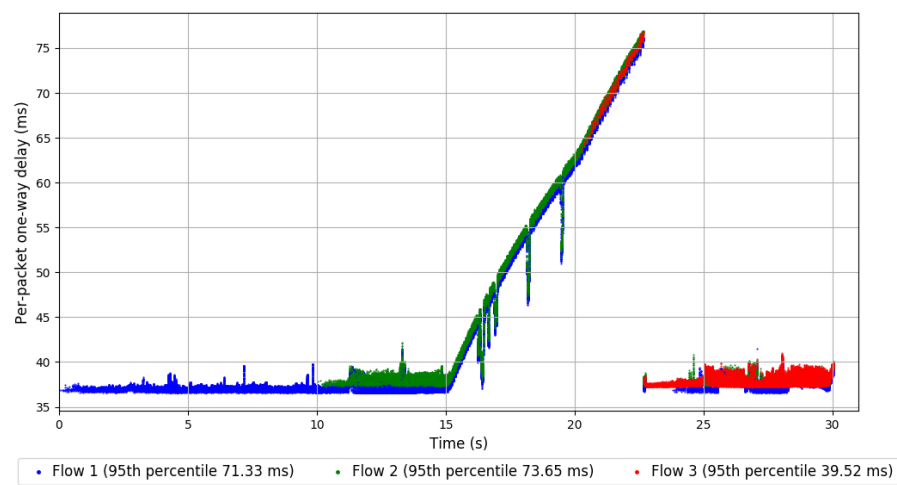
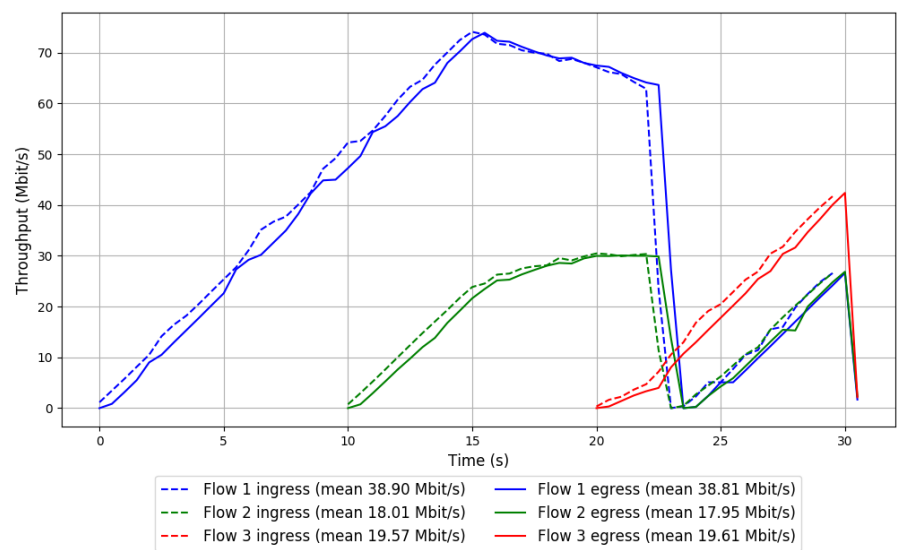


Run 8: Statistics of LEDBAT

Start at: 2018-06-30 00:18:46
End at: 2018-06-30 00:19:16
Local clock offset: -0.042 ms
Remote clock offset: 3.759 ms

```
# Below is generated by plot.py at 2018-06-30 01:26:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.27 Mbit/s
95th percentile per-packet one-way delay: 71.748 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 71.325 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 73.653 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 39.523 ms
Loss rate: 0.01%
```


Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-30 00:44:31

End at: 2018-06-30 00:45:01

Local clock offset: 0.044 ms

Remote clock offset: 4.269 ms

Below is generated by plot.py at 2018-06-30 01:26:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.18 Mbit/s

95th percentile per-packet one-way delay: 69.749 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 37.48 Mbit/s

95th percentile per-packet one-way delay: 69.735 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 27.46 Mbit/s

95th percentile per-packet one-way delay: 70.678 ms

Loss rate: 0.07%

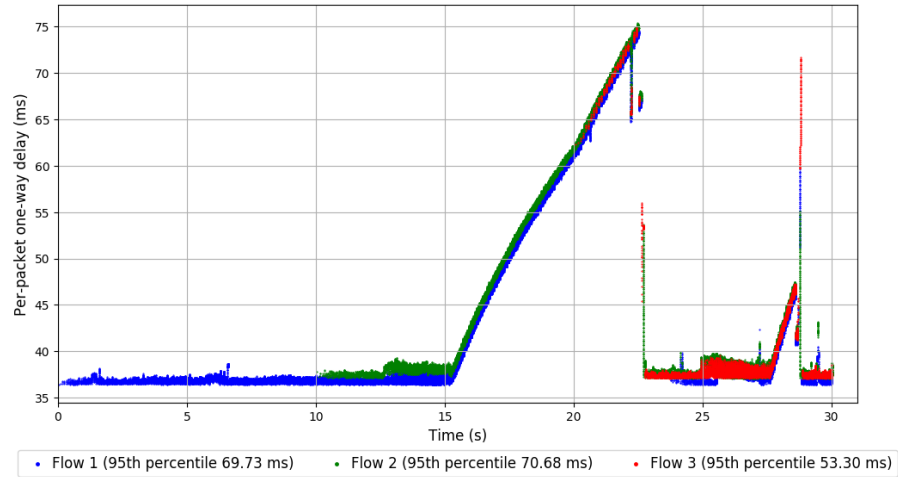
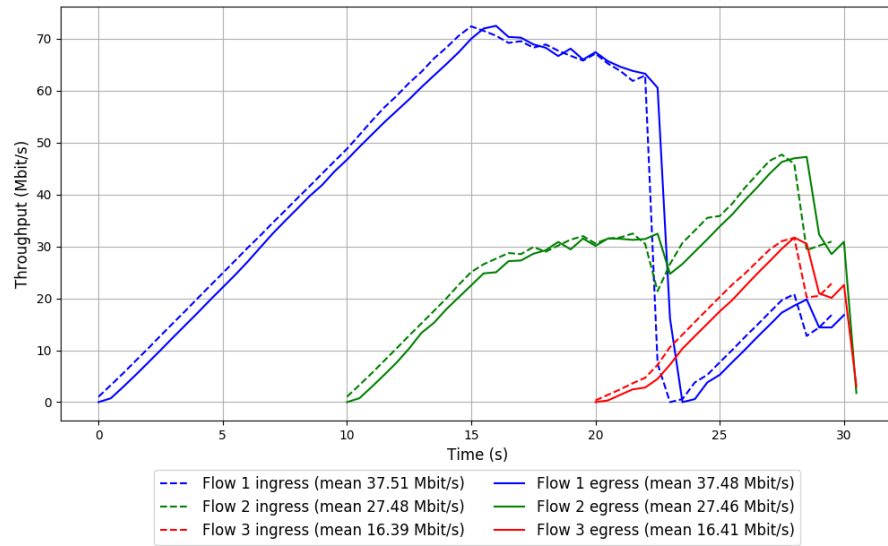
-- Flow 3:

Average throughput: 16.41 Mbit/s

95th percentile per-packet one-way delay: 53.300 ms

Loss rate: 0.11%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-30 01:09:29

End at: 2018-06-30 01:09:59

Local clock offset: 0.328 ms

Remote clock offset: 4.579 ms

Below is generated by plot.py at 2018-06-30 01:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.27 Mbit/s

95th percentile per-packet one-way delay: 72.431 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 38.41 Mbit/s

95th percentile per-packet one-way delay: 72.235 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 18.63 Mbit/s

95th percentile per-packet one-way delay: 73.727 ms

Loss rate: 0.39%

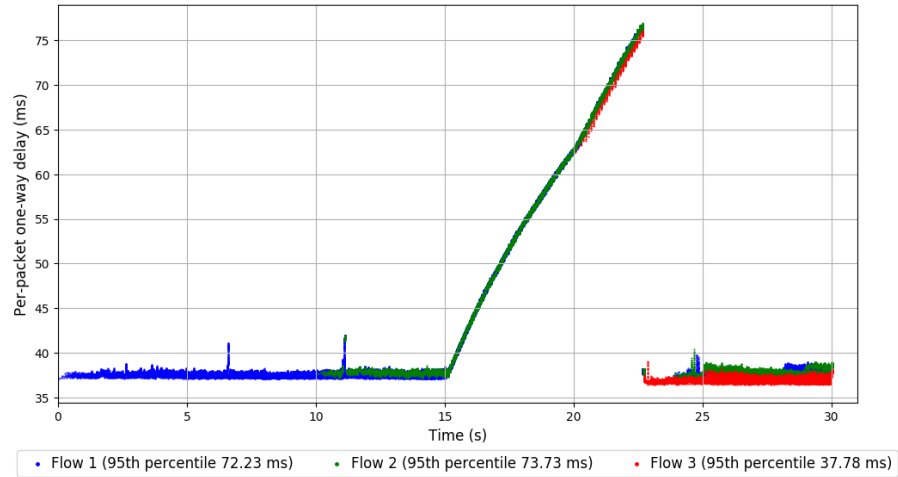
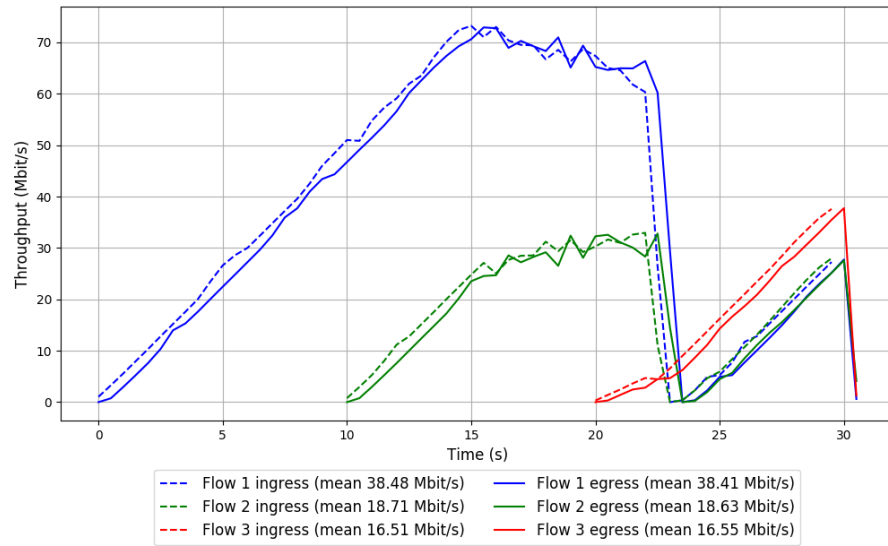
-- Flow 3:

Average throughput: 16.55 Mbit/s

95th percentile per-packet one-way delay: 37.783 ms

Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link

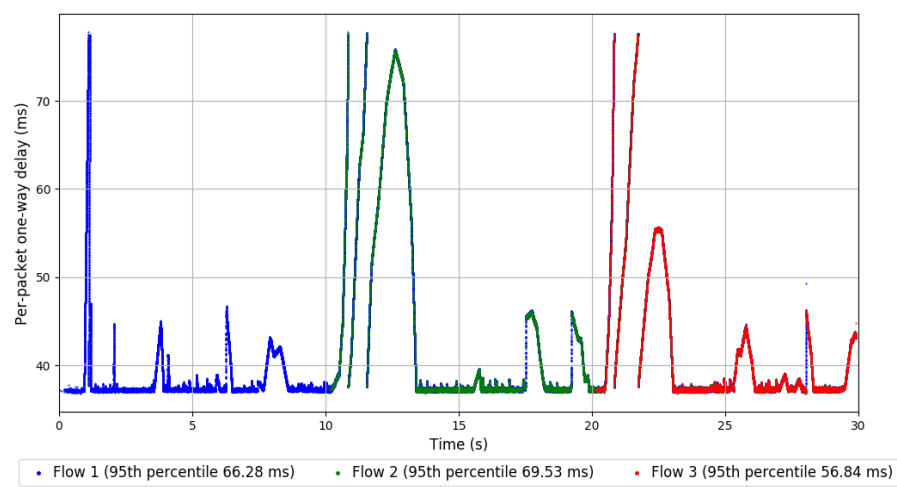
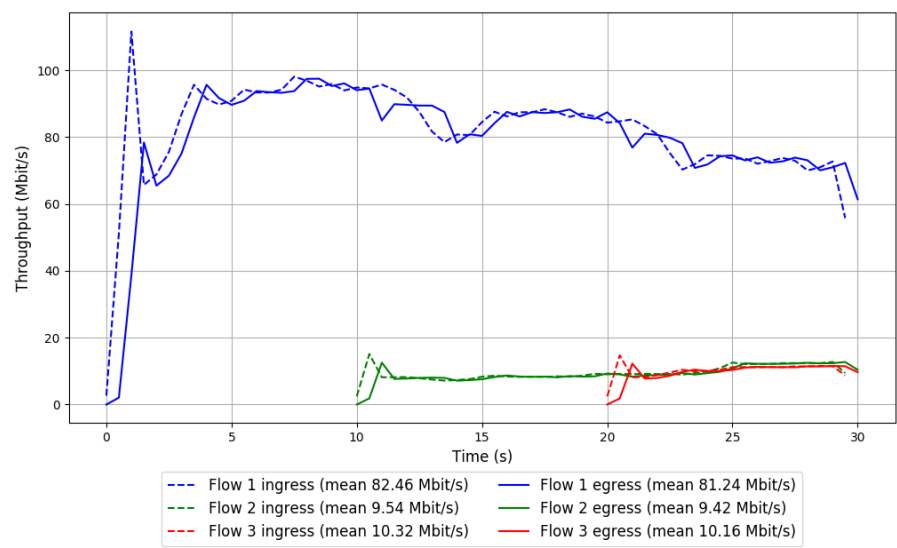


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-29 20:58:11
End at: 2018-06-29 20:58:41
Local clock offset: 1.05 ms
Remote clock offset: 7.121 ms

# Below is generated by plot.py at 2018-06-30 01:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 66.329 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 66.278 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 69.527 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 56.842 ms
Loss rate: 1.49%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-29 21:23:52

End at: 2018-06-29 21:24:22

Local clock offset: -0.496 ms

Remote clock offset: 7.564 ms

Below is generated by plot.py at 2018-06-30 01:27:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.84 Mbit/s

95th percentile per-packet one-way delay: 72.308 ms

Loss rate: 4.18%

-- Flow 1:

Average throughput: 80.76 Mbit/s

95th percentile per-packet one-way delay: 71.803 ms

Loss rate: 3.93%

-- Flow 2:

Average throughput: 11.52 Mbit/s

95th percentile per-packet one-way delay: 73.793 ms

Loss rate: 5.08%

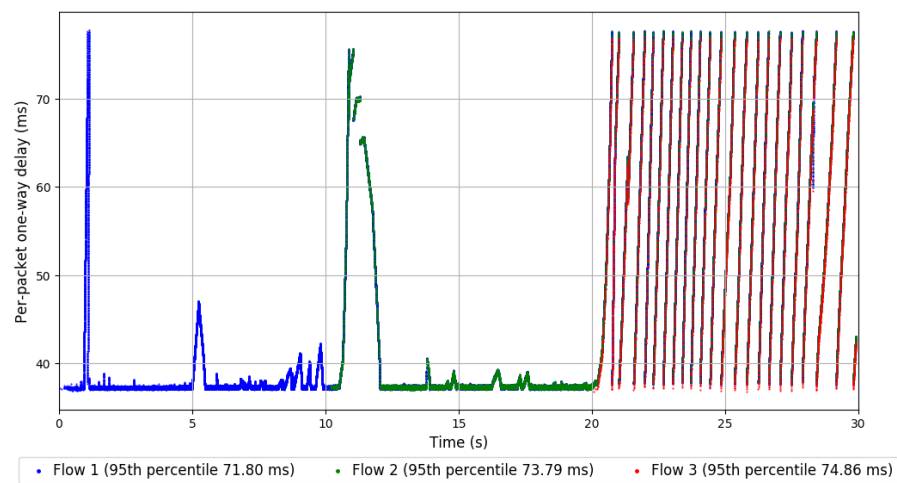
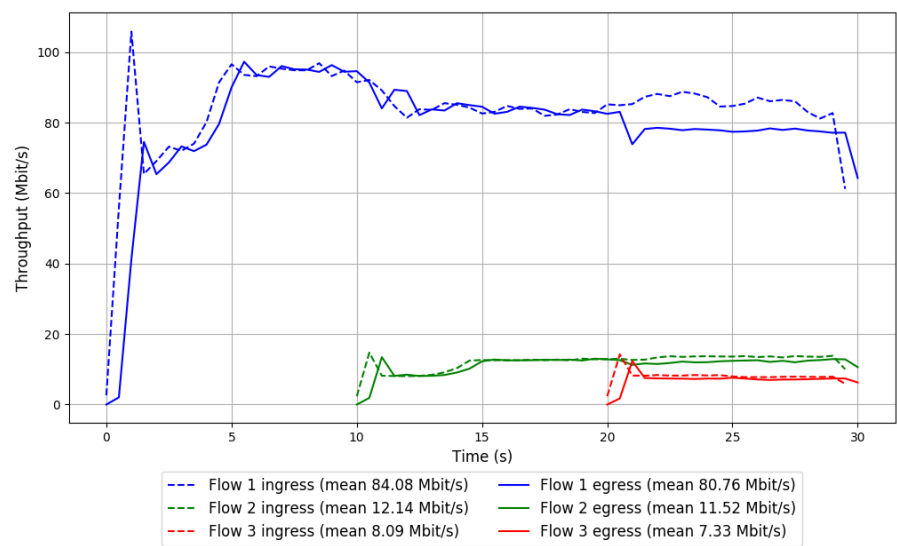
-- Flow 3:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 74.862 ms

Loss rate: 9.30%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-29 21:49:55

End at: 2018-06-29 21:50:25

Local clock offset: 0.734 ms

Remote clock offset: 8.826 ms

Below is generated by plot.py at 2018-06-30 01:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 65.641 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 72.75 Mbit/s

95th percentile per-packet one-way delay: 65.603 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 18.76 Mbit/s

95th percentile per-packet one-way delay: 66.019 ms

Loss rate: 0.74%

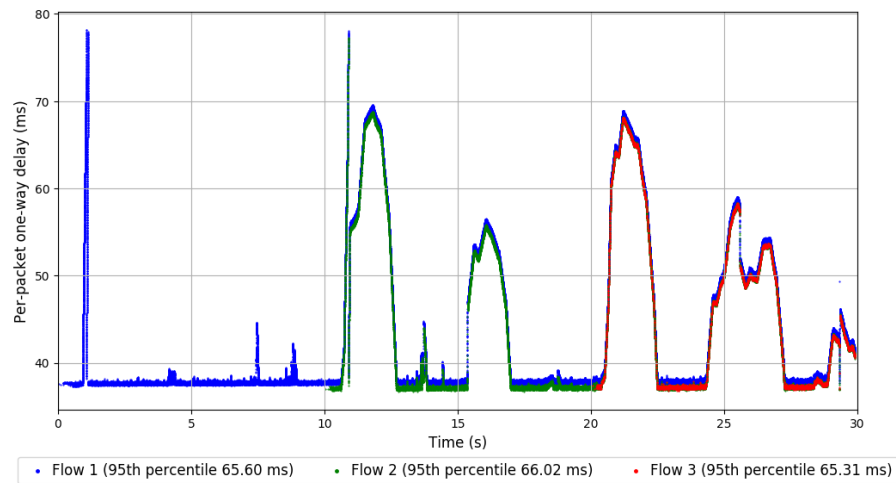
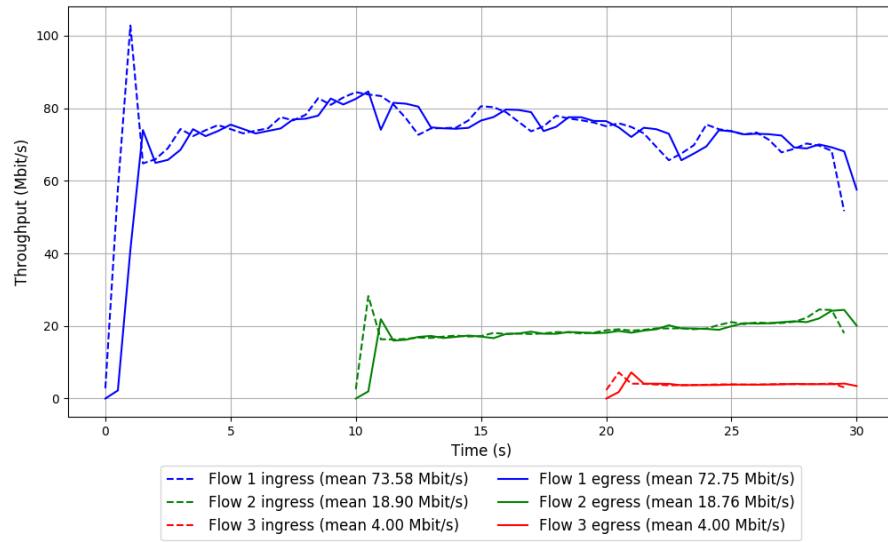
-- Flow 3:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 65.306 ms

Loss rate: 0.09%

Run 3: Report of PCC-Allegro — Data Link

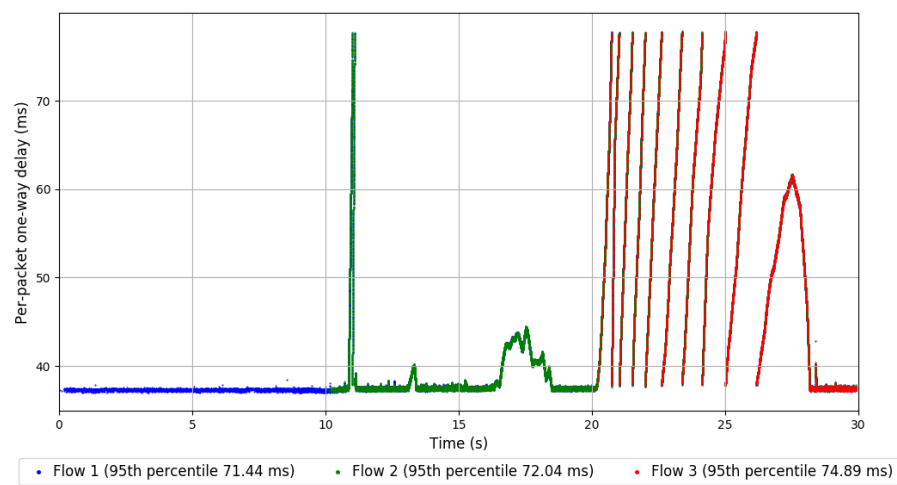
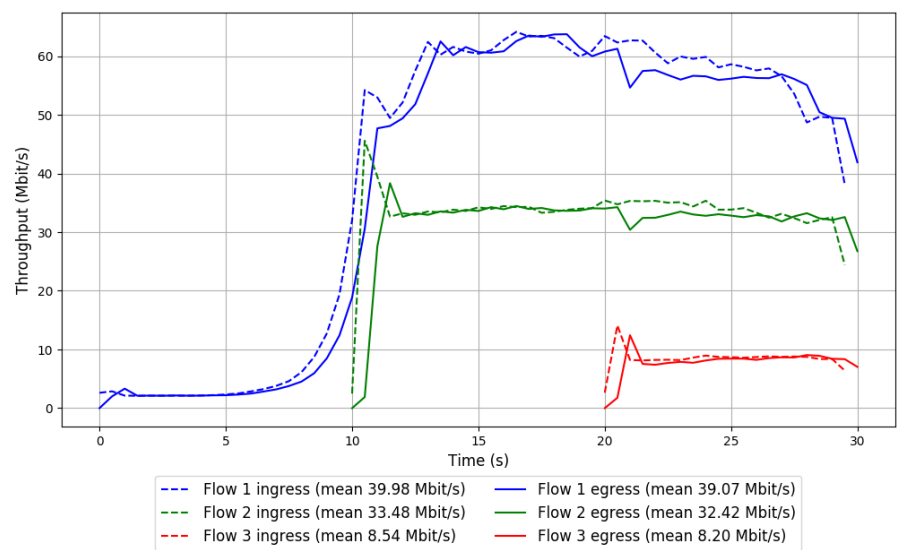


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-29 22:15:25
End at: 2018-06-29 22:15:55
Local clock offset: 5.207 ms
Remote clock offset: 10.045 ms

Below is generated by plot.py at 2018-06-30 01:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.33 Mbit/s
95th percentile per-packet one-way delay: 71.966 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 71.443 ms
Loss rate: 2.28%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 72.036 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 74.890 ms
Loss rate: 3.92%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-29 22:41:43

End at: 2018-06-29 22:42:13

Local clock offset: 7.024 ms

Remote clock offset: 3.809 ms

Below is generated by plot.py at 2018-06-30 01:27:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 64.684 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 79.68 Mbit/s

95th percentile per-packet one-way delay: 63.936 ms

Loss rate: 1.65%

-- Flow 2:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 66.745 ms

Loss rate: 1.11%

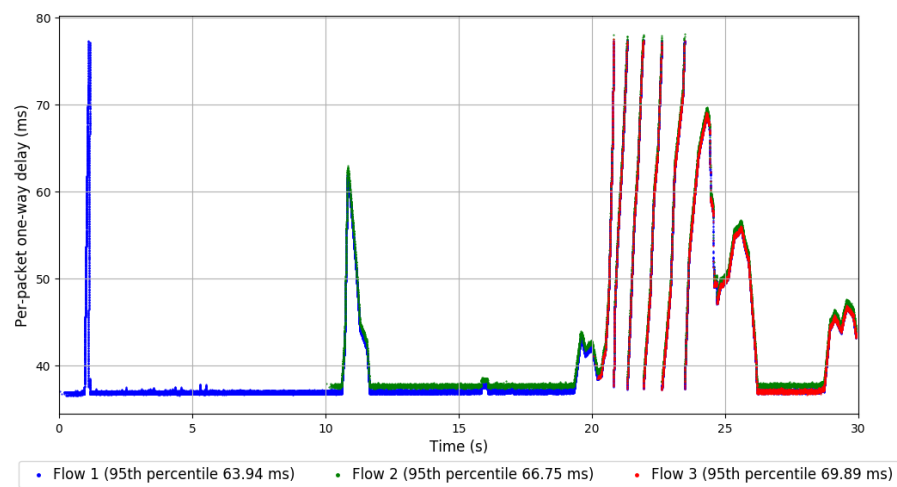
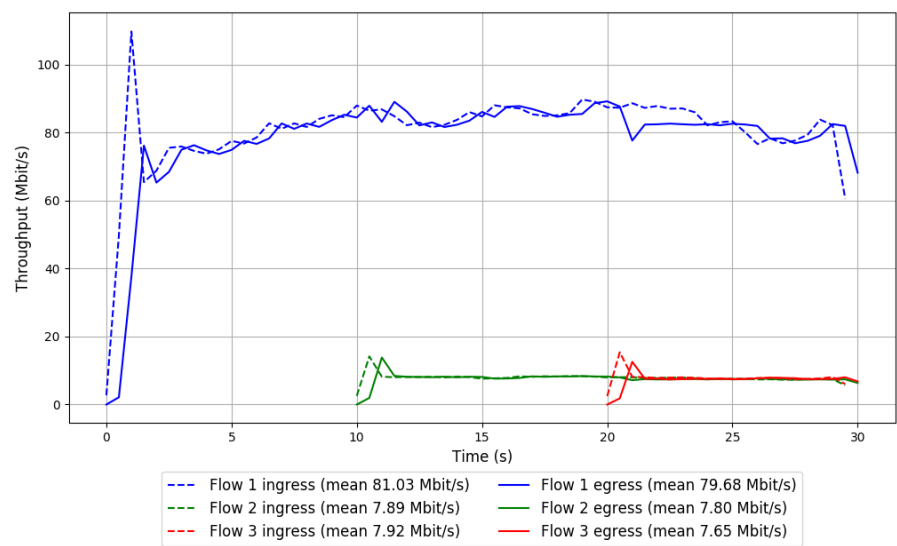
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 69.892 ms

Loss rate: 3.43%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-29 23:09:20

End at: 2018-06-29 23:09:50

Local clock offset: 3.833 ms

Remote clock offset: 3.438 ms

Below is generated by plot.py at 2018-06-30 01:27:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 72.611 ms

Loss rate: 2.29%

-- Flow 1:

Average throughput: 82.95 Mbit/s

95th percentile per-packet one-way delay: 72.542 ms

Loss rate: 2.34%

-- Flow 2:

Average throughput: 8.17 Mbit/s

95th percentile per-packet one-way delay: 73.181 ms

Loss rate: 2.14%

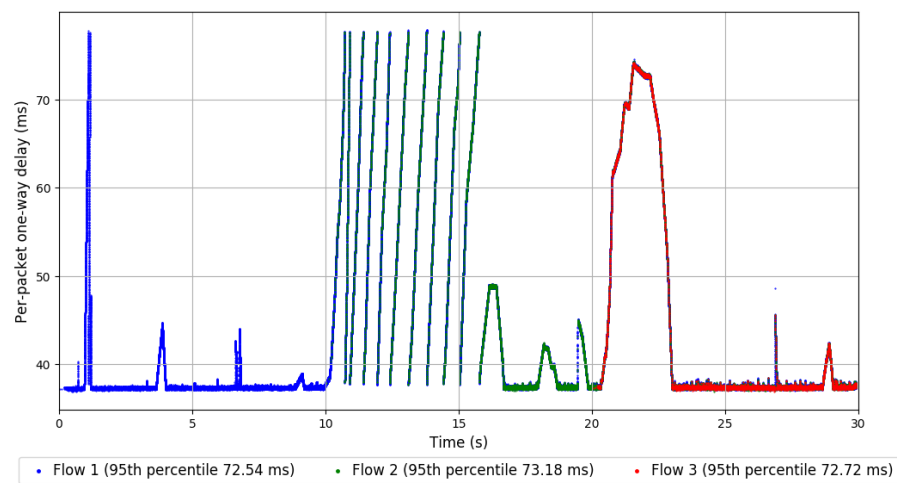
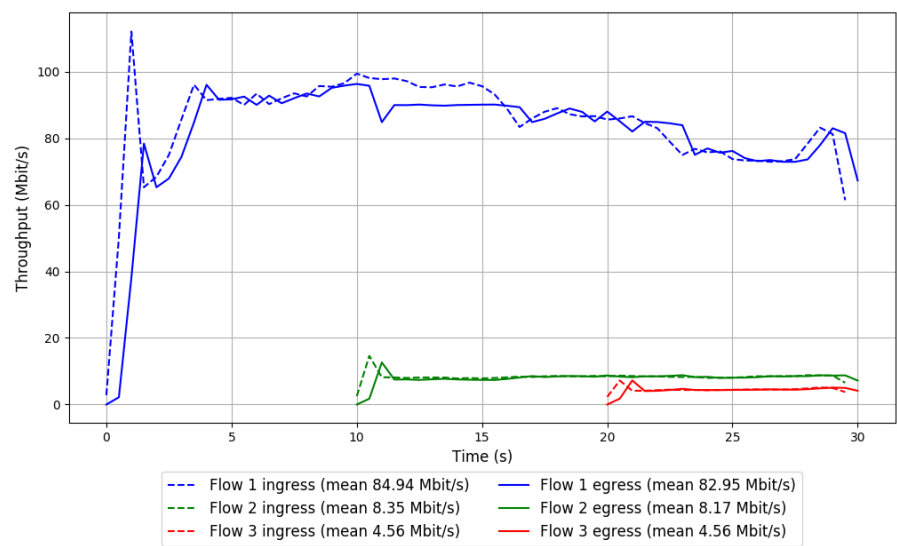
-- Flow 3:

Average throughput: 4.56 Mbit/s

95th percentile per-packet one-way delay: 72.719 ms

Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-29 23:34:45

End at: 2018-06-29 23:35:15

Local clock offset: 0.268 ms

Remote clock offset: 3.731 ms

Below is generated by plot.py at 2018-06-30 01:27:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 75.909 ms

Loss rate: 14.39%

-- Flow 1:

Average throughput: 92.82 Mbit/s

95th percentile per-packet one-way delay: 75.908 ms

Loss rate: 14.51%

-- Flow 2:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 76.004 ms

Loss rate: 9.65%

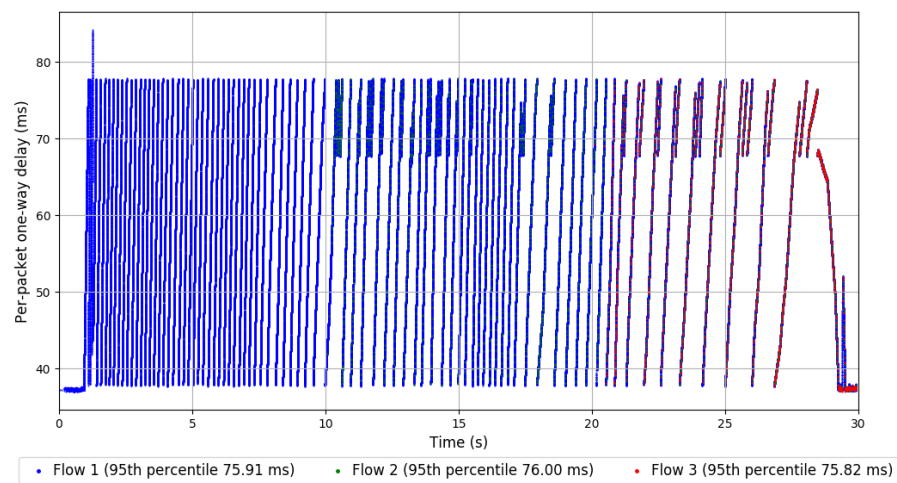
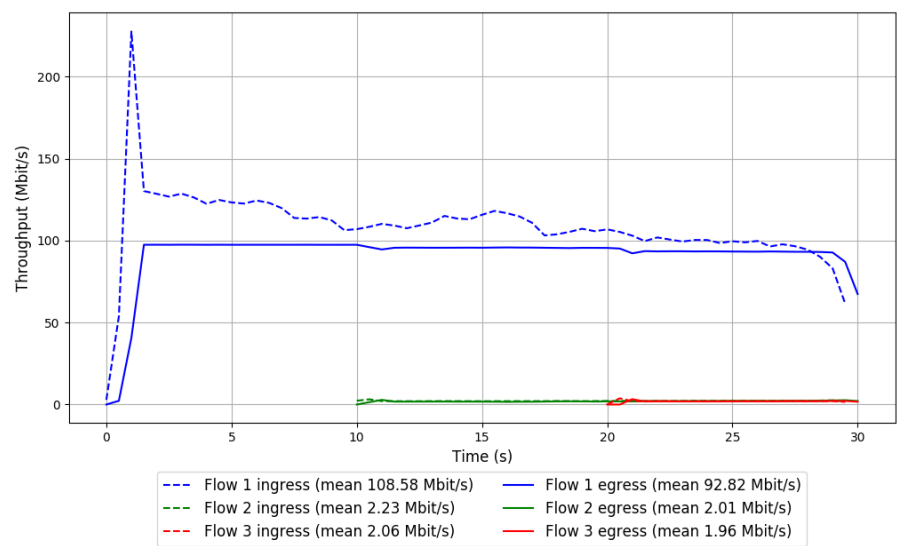
-- Flow 3:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 75.819 ms

Loss rate: 5.08%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-29 23:59:20

End at: 2018-06-29 23:59:50

Local clock offset: 0.152 ms

Remote clock offset: 4.136 ms

Below is generated by plot.py at 2018-06-30 01:27:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 69.166 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 69.204 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 69.818 ms

Loss rate: 0.80%

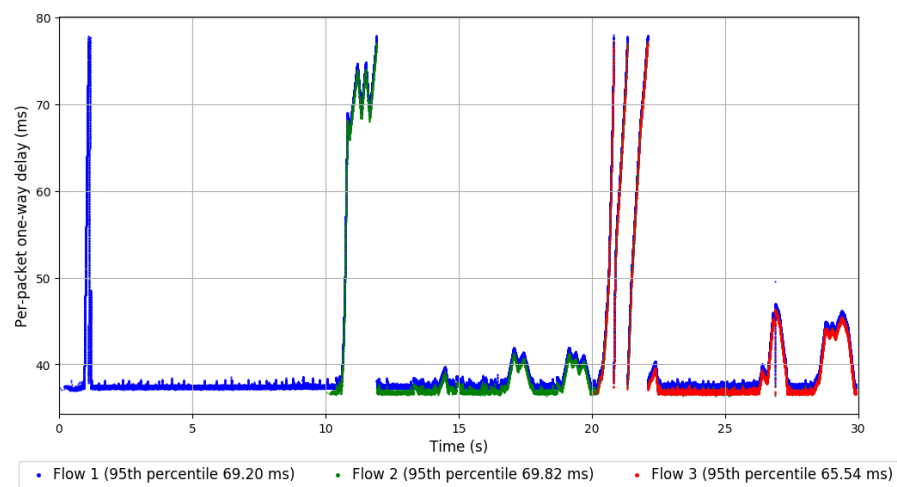
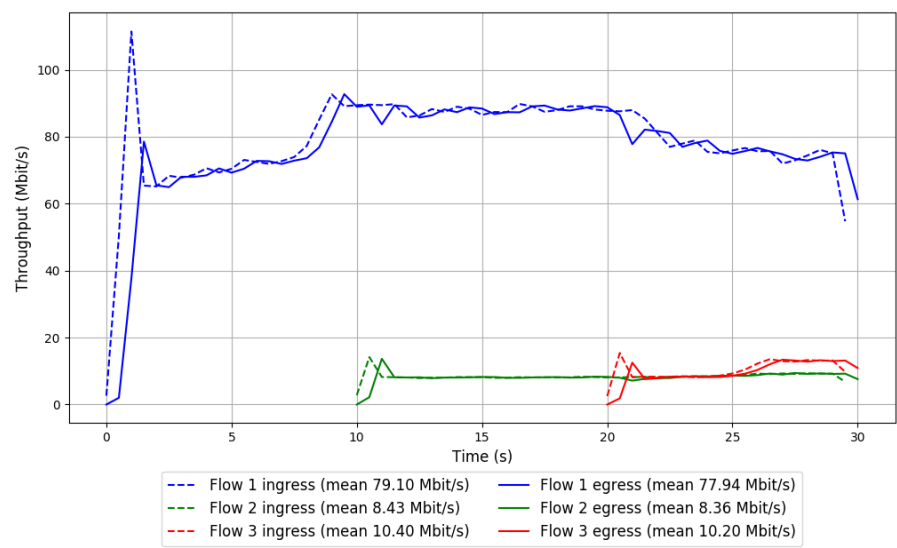
-- Flow 3:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 65.544 ms

Loss rate: 1.92%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 00:24:33

End at: 2018-06-30 00:25:03

Local clock offset: 0.232 ms

Remote clock offset: 3.702 ms

Below is generated by plot.py at 2018-06-30 01:28:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.26 Mbit/s

95th percentile per-packet one-way delay: 69.895 ms

Loss rate: 4.03%

-- Flow 1:

Average throughput: 78.94 Mbit/s

95th percentile per-packet one-way delay: 68.693 ms

Loss rate: 3.65%

-- Flow 2:

Average throughput: 8.37 Mbit/s

95th percentile per-packet one-way delay: 71.986 ms

Loss rate: 4.64%

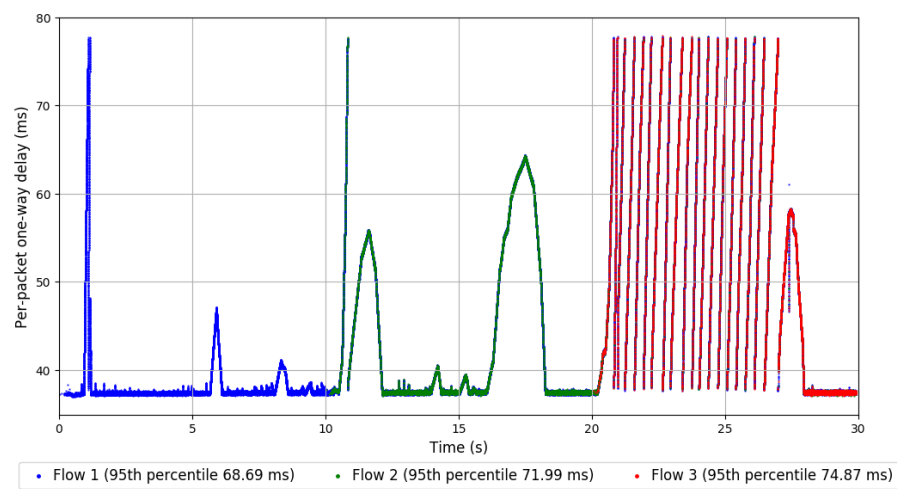
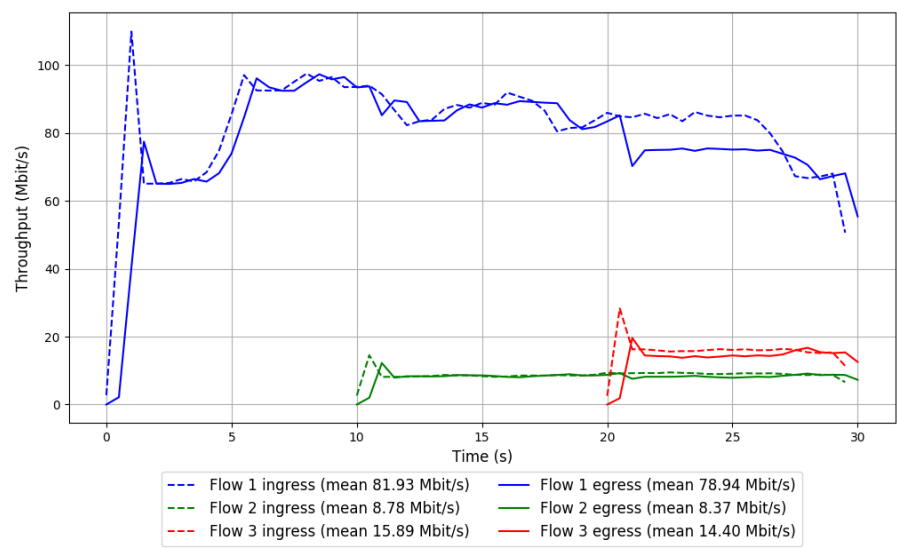
-- Flow 3:

Average throughput: 14.40 Mbit/s

95th percentile per-packet one-way delay: 74.872 ms

Loss rate: 9.36%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 00:50:16

End at: 2018-06-30 00:50:46

Local clock offset: 0.16 ms

Remote clock offset: 4.532 ms

Below is generated by plot.py at 2018-06-30 01:28:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 75.982 ms

Loss rate: 24.89%

-- Flow 1:

Average throughput: 93.59 Mbit/s

95th percentile per-packet one-way delay: 75.983 ms

Loss rate: 24.90%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 75.814 ms

Loss rate: 23.97%

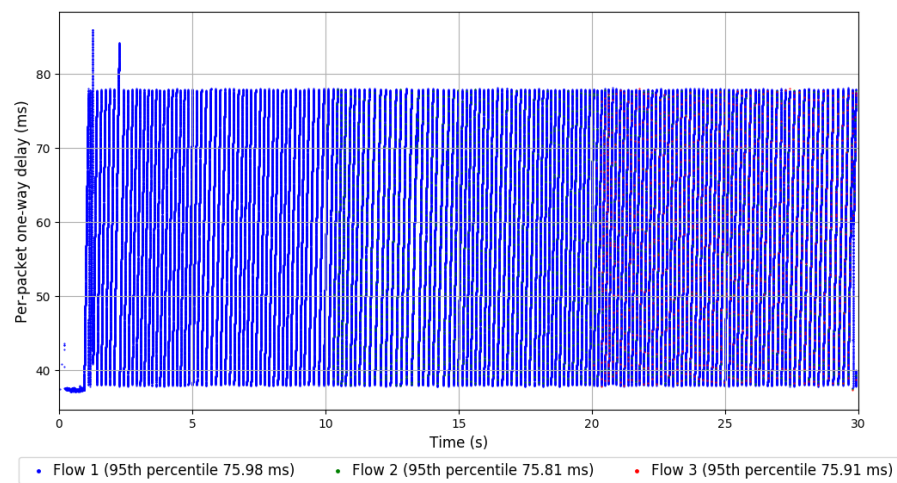
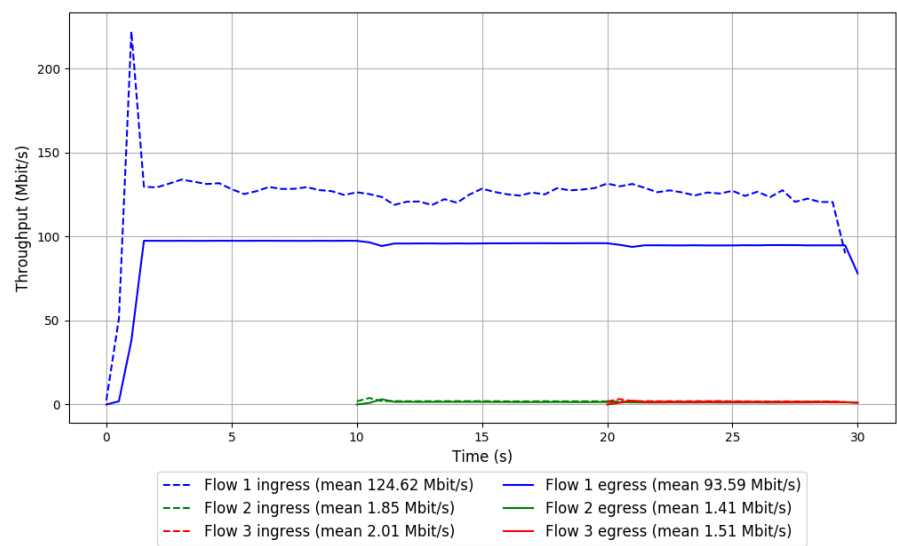
-- Flow 3:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 75.911 ms

Loss rate: 25.10%

Run 10: Report of PCC-Allegro — Data Link

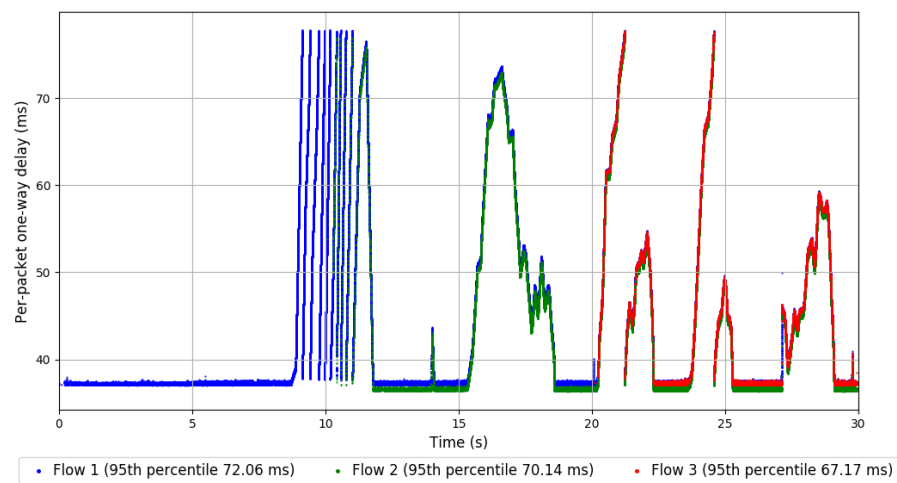
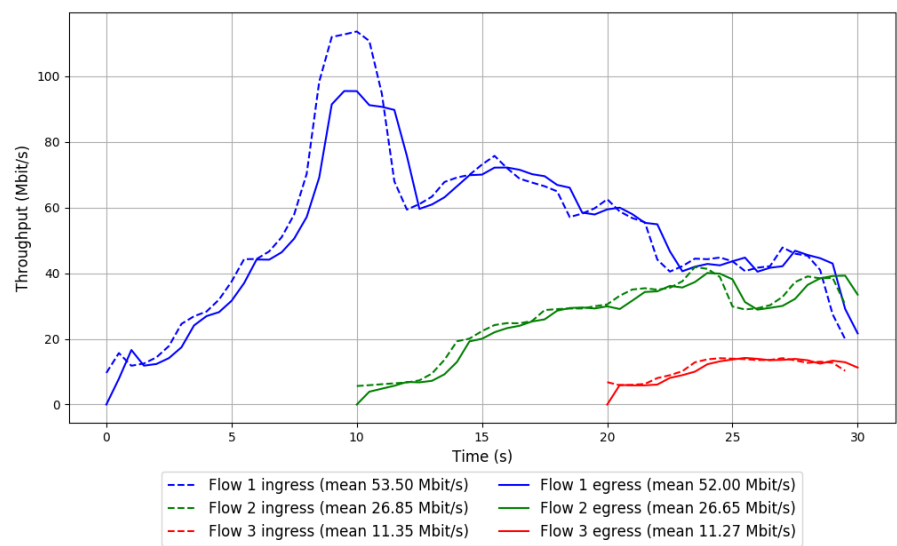


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-29 21:10:22
End at: 2018-06-29 21:10:52
Local clock offset: 0.065 ms
Remote clock offset: 7.266 ms

# Below is generated by plot.py at 2018-06-30 01:29:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 71.651 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 52.00 Mbit/s
95th percentile per-packet one-way delay: 72.055 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 70.145 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 67.169 ms
Loss rate: 0.70%
```

Run 1: Report of PCC-Expr — Data Link

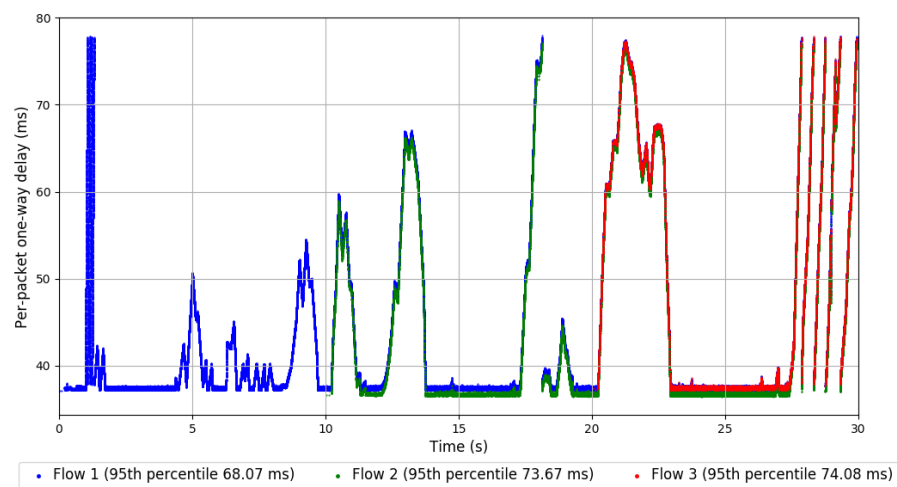
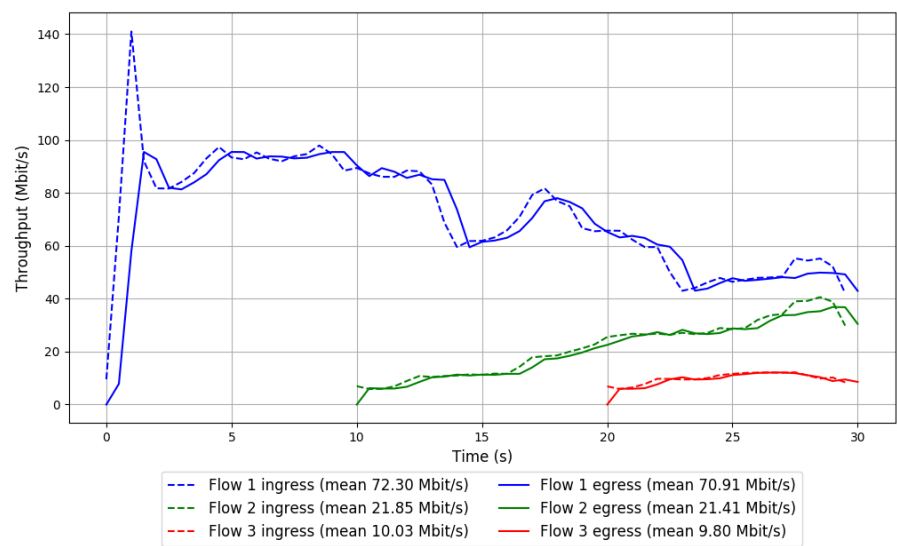


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-29 21:36:29
End at: 2018-06-29 21:36:59
Local clock offset: -1.047 ms
Remote clock offset: 7.993 ms

# Below is generated by plot.py at 2018-06-30 01:29:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 70.522 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 70.91 Mbit/s
95th percentile per-packet one-way delay: 68.068 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 73.675 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 74.081 ms
Loss rate: 2.19%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-29 22:02:24

End at: 2018-06-29 22:02:54

Local clock offset: 3.9 ms

Remote clock offset: 9.435 ms

Below is generated by plot.py at 2018-06-30 01:29:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 68.234 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 65.73 Mbit/s

95th percentile per-packet one-way delay: 67.873 ms

Loss rate: 2.31%

-- Flow 2:

Average throughput: 26.19 Mbit/s

95th percentile per-packet one-way delay: 69.902 ms

Loss rate: 1.33%

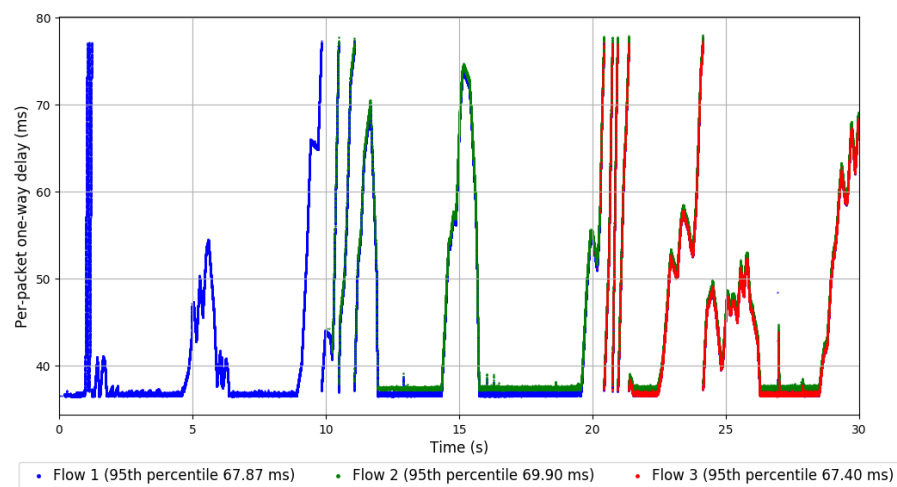
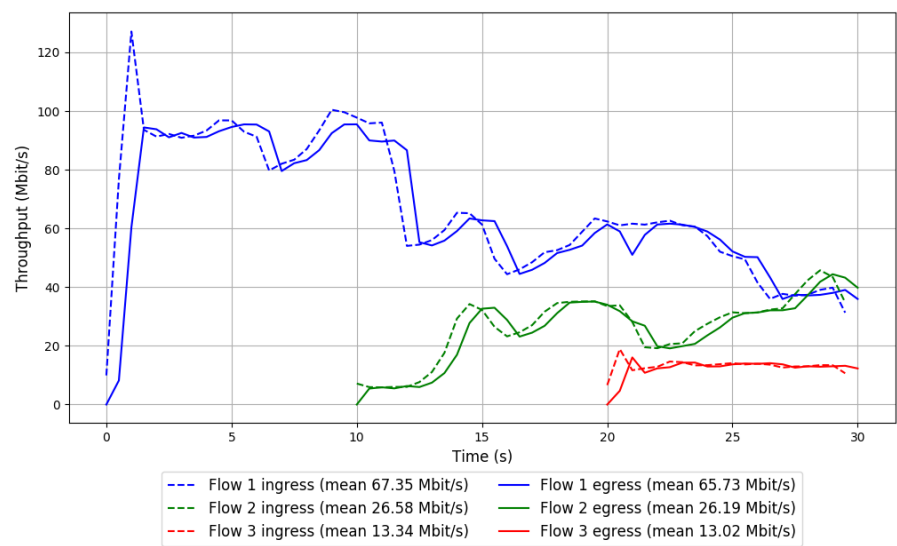
-- Flow 3:

Average throughput: 13.02 Mbit/s

95th percentile per-packet one-way delay: 67.396 ms

Loss rate: 2.24%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-29 22:28:12

End at: 2018-06-29 22:28:42

Local clock offset: 6.03 ms

Remote clock offset: 5.142 ms

Below is generated by plot.py at 2018-06-30 01:29:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.59 Mbit/s

95th percentile per-packet one-way delay: 67.586 ms

Loss rate: 1.88%

-- Flow 1:

Average throughput: 68.66 Mbit/s

95th percentile per-packet one-way delay: 67.289 ms

Loss rate: 1.87%

-- Flow 2:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 69.757 ms

Loss rate: 2.04%

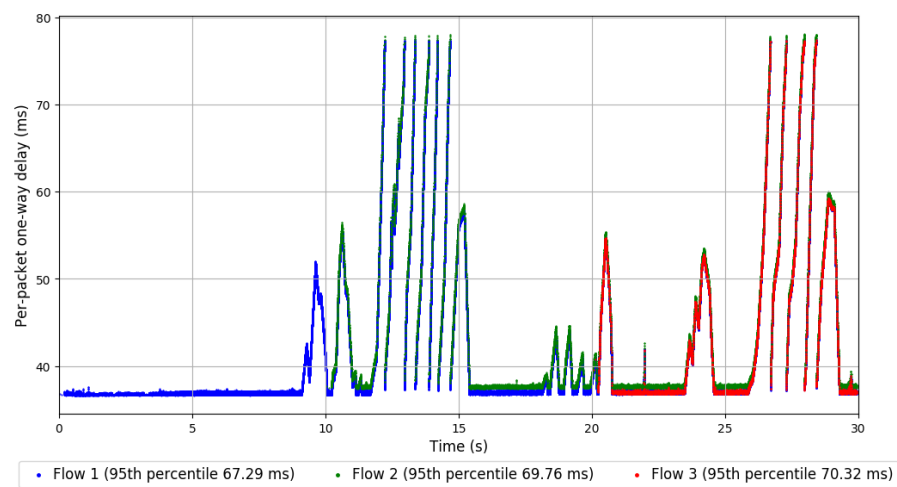
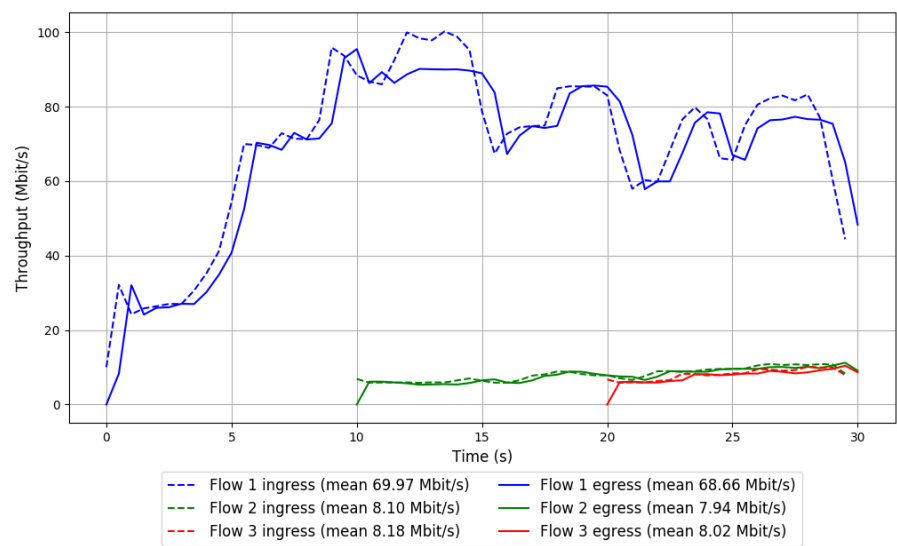
-- Flow 3:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 70.319 ms

Loss rate: 1.95%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-29 22:55:24

End at: 2018-06-29 22:55:54

Local clock offset: 4.817 ms

Remote clock offset: 3.382 ms

Below is generated by plot.py at 2018-06-30 01:29:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.99 Mbit/s

95th percentile per-packet one-way delay: 63.790 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 62.24 Mbit/s

95th percentile per-packet one-way delay: 59.021 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 64.344 ms

Loss rate: 0.27%

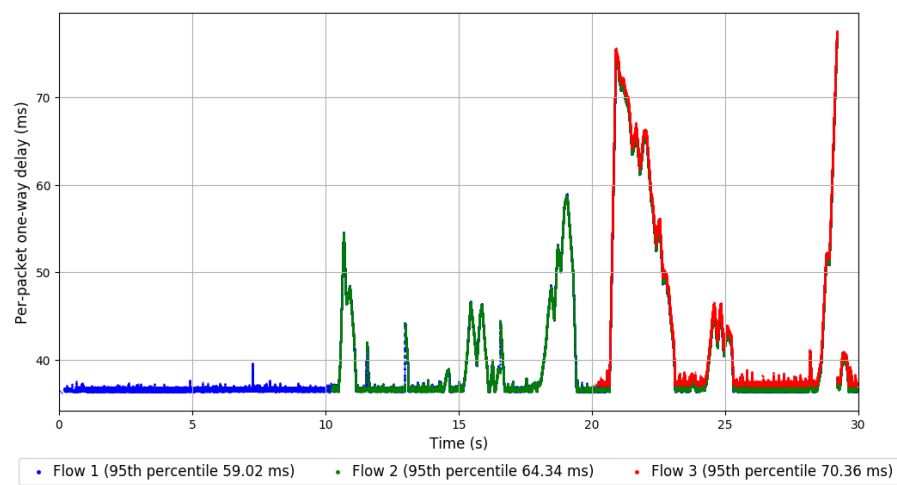
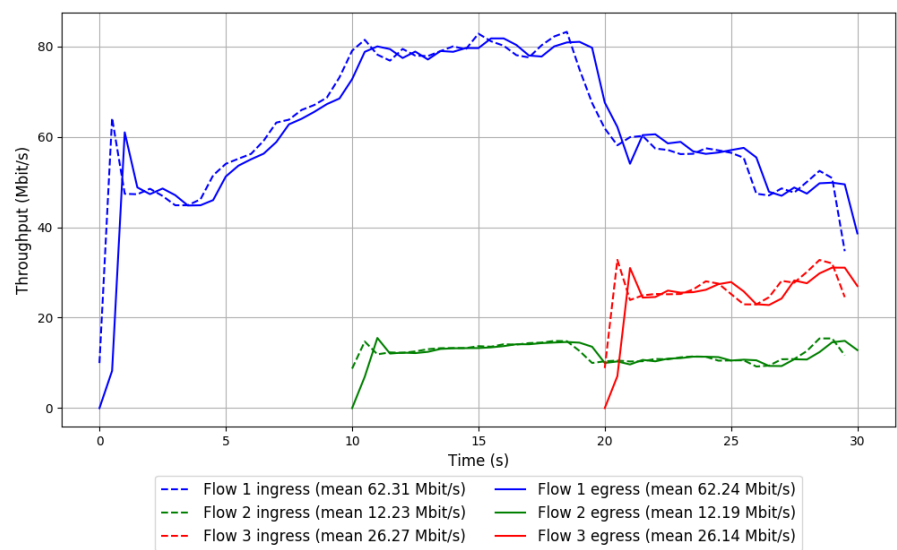
-- Flow 3:

Average throughput: 26.14 Mbit/s

95th percentile per-packet one-way delay: 70.362 ms

Loss rate: 0.50%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-29 23:21:53

End at: 2018-06-29 23:22:23

Local clock offset: 1.909 ms

Remote clock offset: 3.421 ms

Below is generated by plot.py at 2018-06-30 01:30:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.24 Mbit/s

95th percentile per-packet one-way delay: 67.924 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 70.57 Mbit/s

95th percentile per-packet one-way delay: 66.249 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 14.77 Mbit/s

95th percentile per-packet one-way delay: 71.231 ms

Loss rate: 1.54%

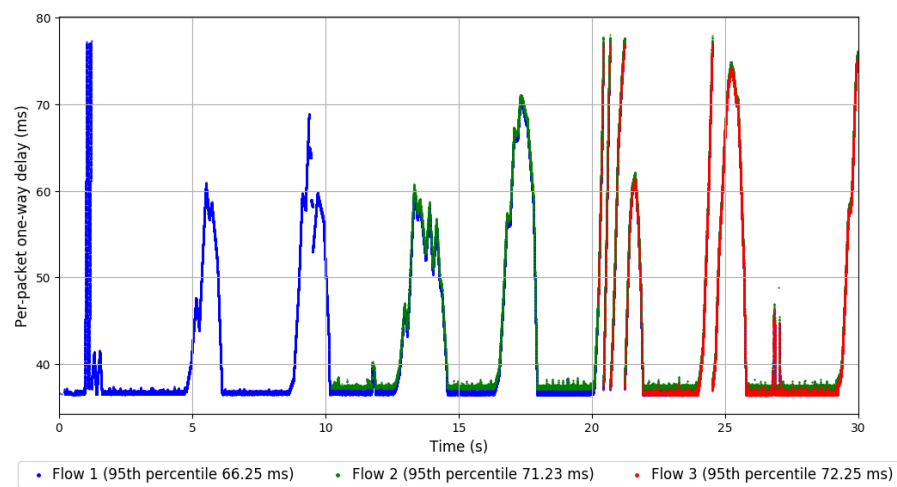
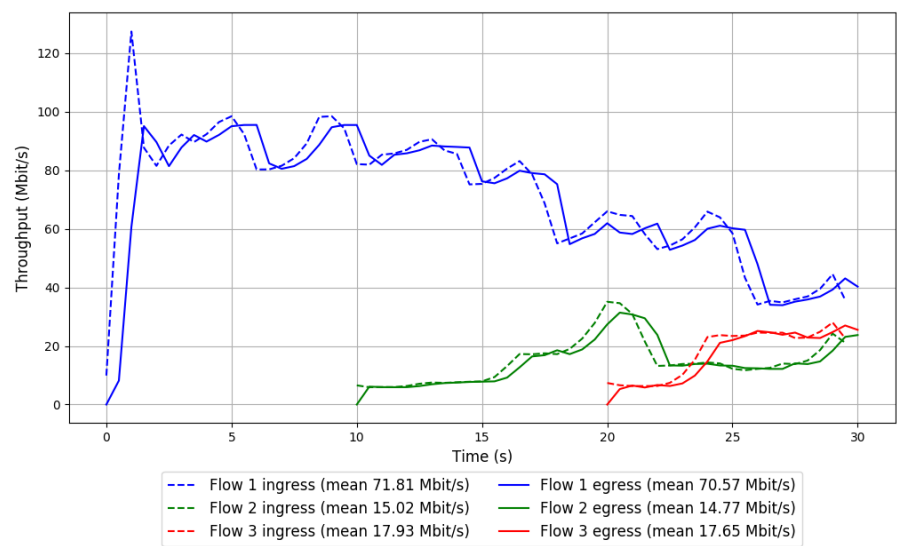
-- Flow 3:

Average throughput: 17.65 Mbit/s

95th percentile per-packet one-way delay: 72.254 ms

Loss rate: 1.22%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-29 23:46:35

End at: 2018-06-29 23:47:05

Local clock offset: -0.274 ms

Remote clock offset: 4.012 ms

Below is generated by plot.py at 2018-06-30 01:30:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.23 Mbit/s

95th percentile per-packet one-way delay: 67.432 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 62.32 Mbit/s

95th percentile per-packet one-way delay: 66.907 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 68.903 ms

Loss rate: 1.50%

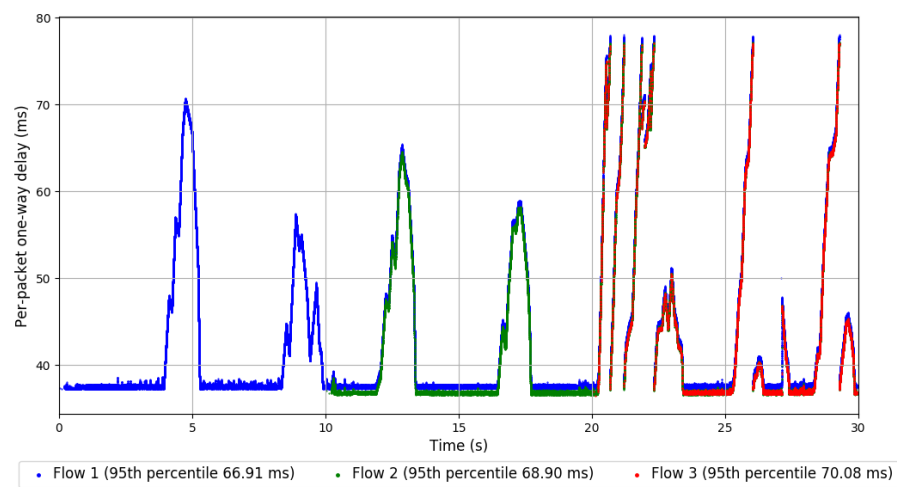
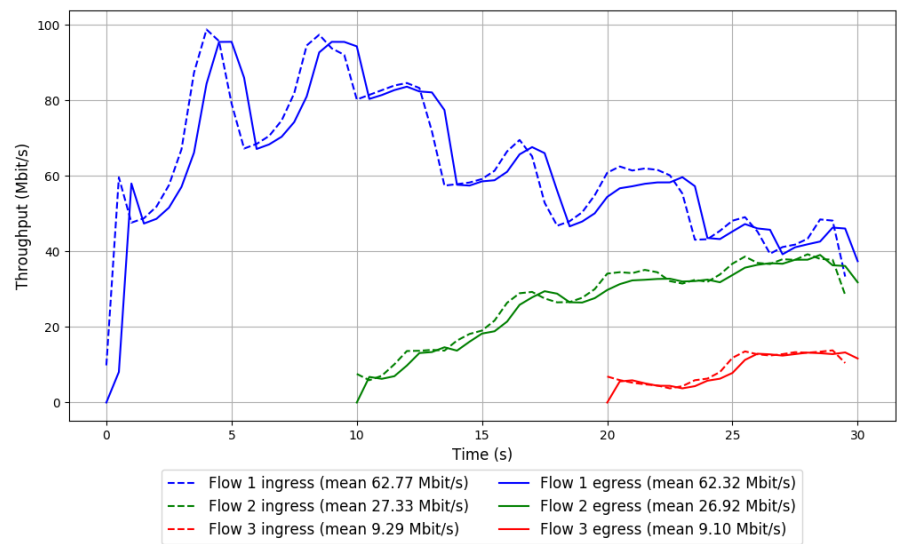
-- Flow 3:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 70.075 ms

Loss rate: 2.07%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 00:11:27

End at: 2018-06-30 00:11:57

Local clock offset: -0.068 ms

Remote clock offset: 3.792 ms

Below is generated by plot.py at 2018-06-30 01:30:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.21 Mbit/s

95th percentile per-packet one-way delay: 71.446 ms

Loss rate: 3.62%

-- Flow 1:

Average throughput: 75.53 Mbit/s

95th percentile per-packet one-way delay: 70.725 ms

Loss rate: 3.33%

-- Flow 2:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 72.998 ms

Loss rate: 3.97%

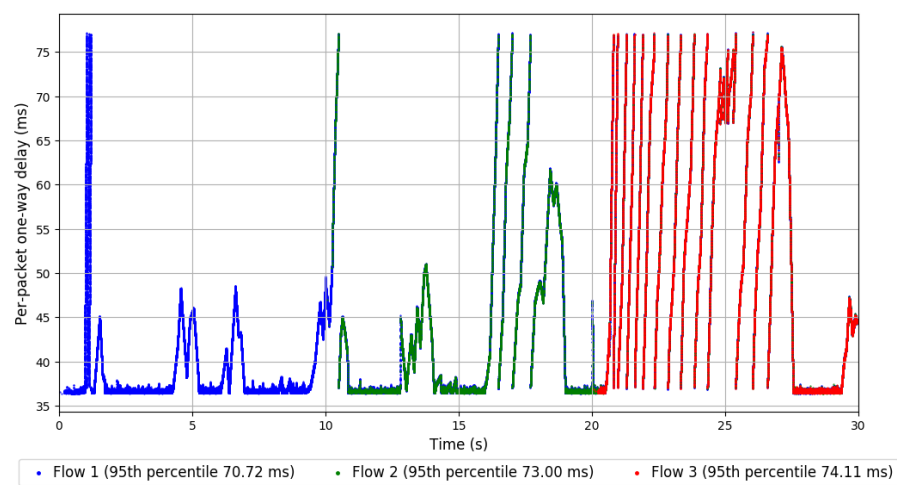
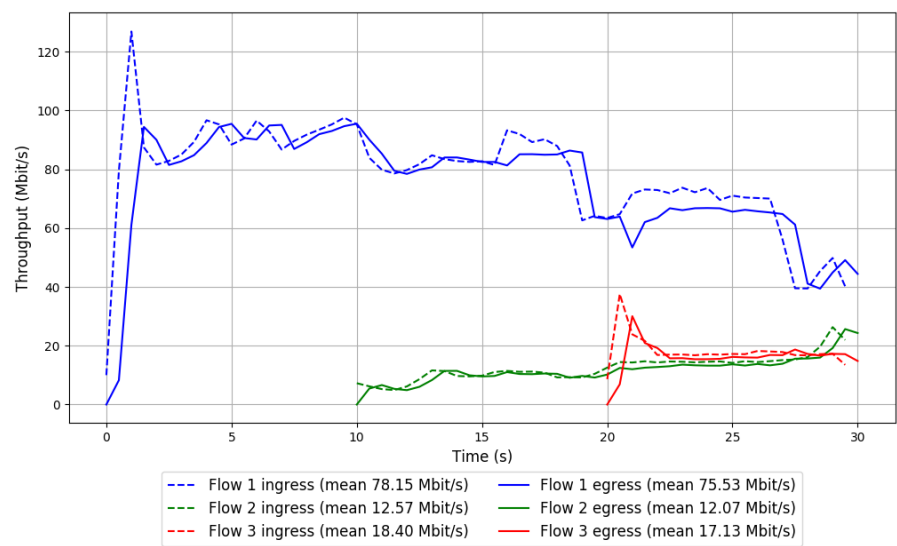
-- Flow 3:

Average throughput: 17.13 Mbit/s

95th percentile per-packet one-way delay: 74.110 ms

Loss rate: 6.82%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 00:37:18

End at: 2018-06-30 00:37:48

Local clock offset: 0.115 ms

Remote clock offset: 4.015 ms

Below is generated by plot.py at 2018-06-30 01:31:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.67 Mbit/s

95th percentile per-packet one-way delay: 68.341 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 57.97 Mbit/s

95th percentile per-packet one-way delay: 68.340 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 68.716 ms

Loss rate: 0.79%

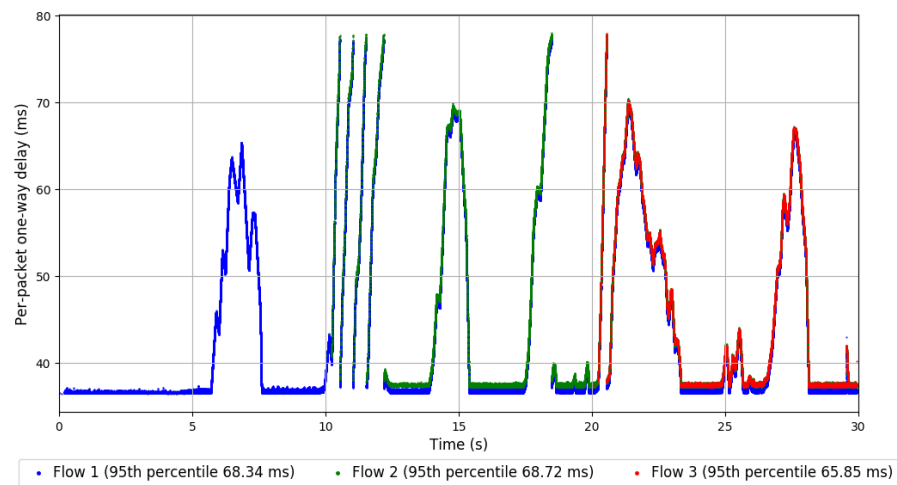
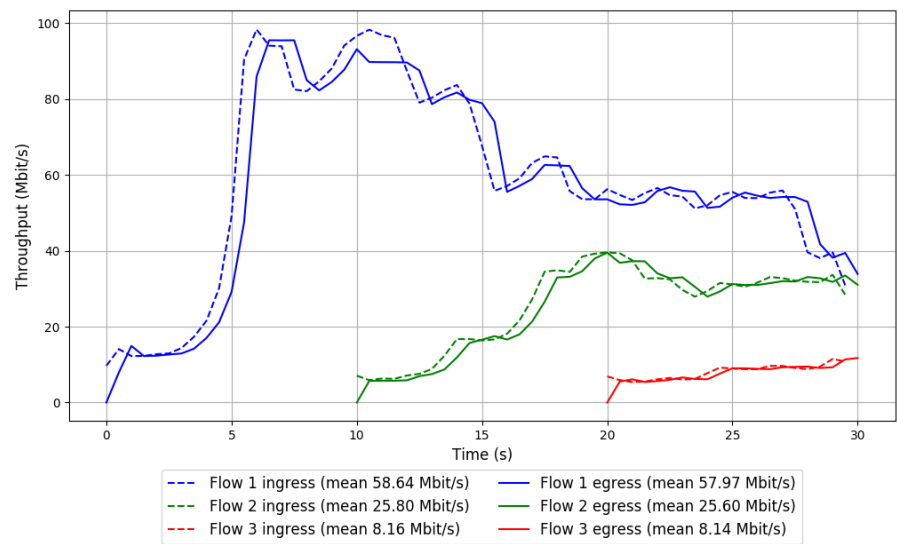
-- Flow 3:

Average throughput: 8.14 Mbit/s

95th percentile per-packet one-way delay: 65.851 ms

Loss rate: 0.26%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 01:02:26

End at: 2018-06-30 01:02:56

Local clock offset: 0.387 ms

Remote clock offset: 4.556 ms

Below is generated by plot.py at 2018-06-30 01:31:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.87 Mbit/s

95th percentile per-packet one-way delay: 70.311 ms

Loss rate: 2.25%

-- Flow 1:

Average throughput: 61.76 Mbit/s

95th percentile per-packet one-way delay: 70.325 ms

Loss rate: 2.46%

-- Flow 2:

Average throughput: 29.51 Mbit/s

95th percentile per-packet one-way delay: 70.758 ms

Loss rate: 1.93%

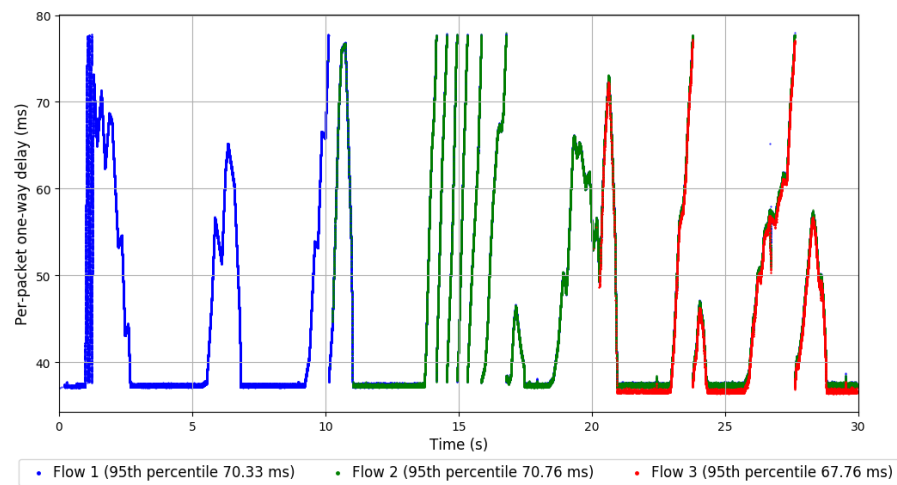
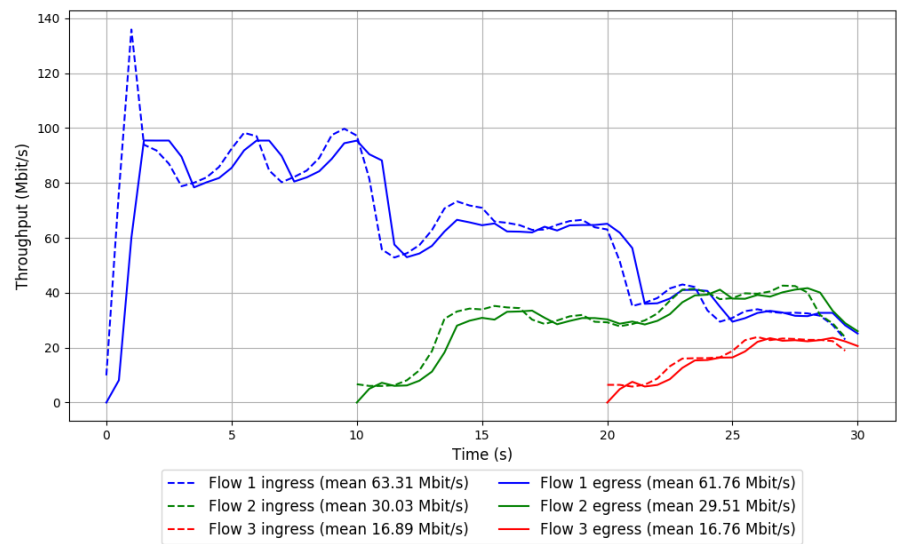
-- Flow 3:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: 67.764 ms

Loss rate: 0.94%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-29 21:12:02

End at: 2018-06-29 21:12:32

Local clock offset: -0.114 ms

Remote clock offset: 7.29 ms

Below is generated by plot.py at 2018-06-30 01:31:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.33 Mbit/s

95th percentile per-packet one-way delay: 72.997 ms

Loss rate: 3.56%

-- Flow 1:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 72.797 ms

Loss rate: 4.09%

-- Flow 2:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 73.792 ms

Loss rate: 1.05%

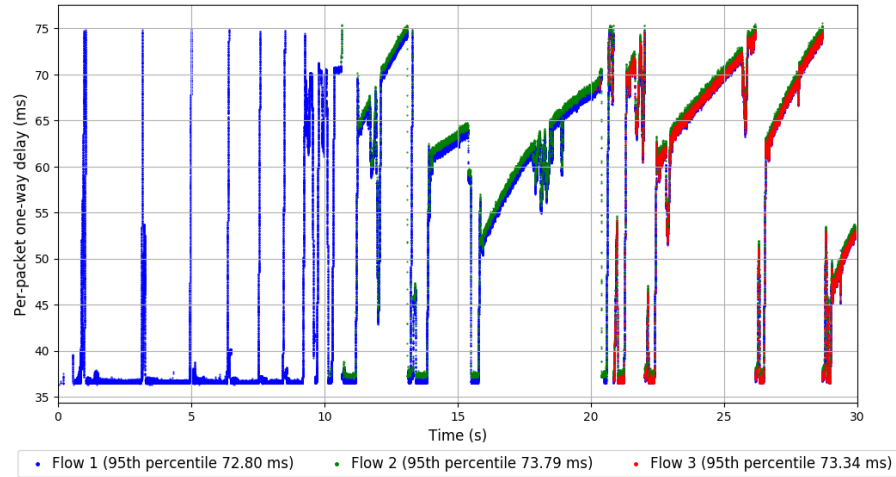
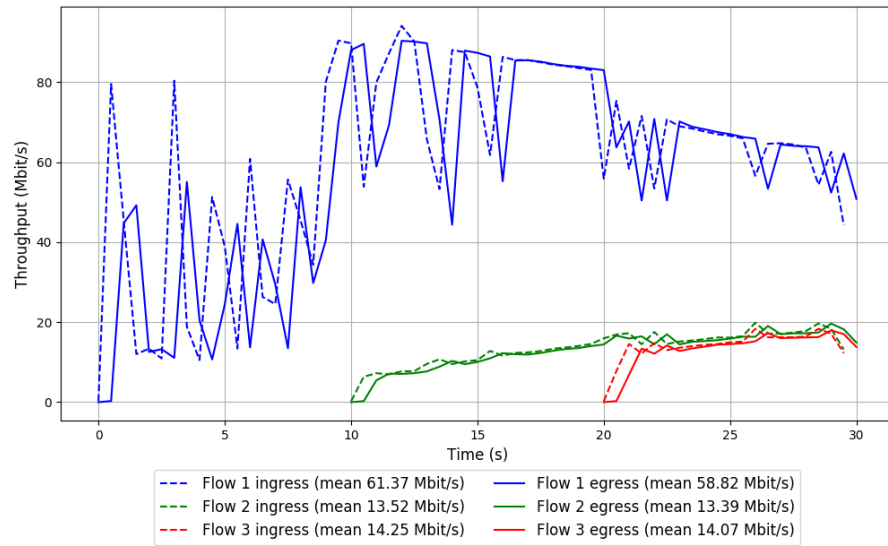
-- Flow 3:

Average throughput: 14.07 Mbit/s

95th percentile per-packet one-way delay: 73.339 ms

Loss rate: 1.41%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-29 21:38:12

End at: 2018-06-29 21:38:42

Local clock offset: -1.031 ms

Remote clock offset: 8.059 ms

Below is generated by plot.py at 2018-06-30 01:31:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.32 Mbit/s

95th percentile per-packet one-way delay: 73.267 ms

Loss rate: 3.66%

-- Flow 1:

Average throughput: 52.15 Mbit/s

95th percentile per-packet one-way delay: 73.201 ms

Loss rate: 4.65%

-- Flow 2:

Average throughput: 27.11 Mbit/s

95th percentile per-packet one-way delay: 72.930 ms

Loss rate: 1.09%

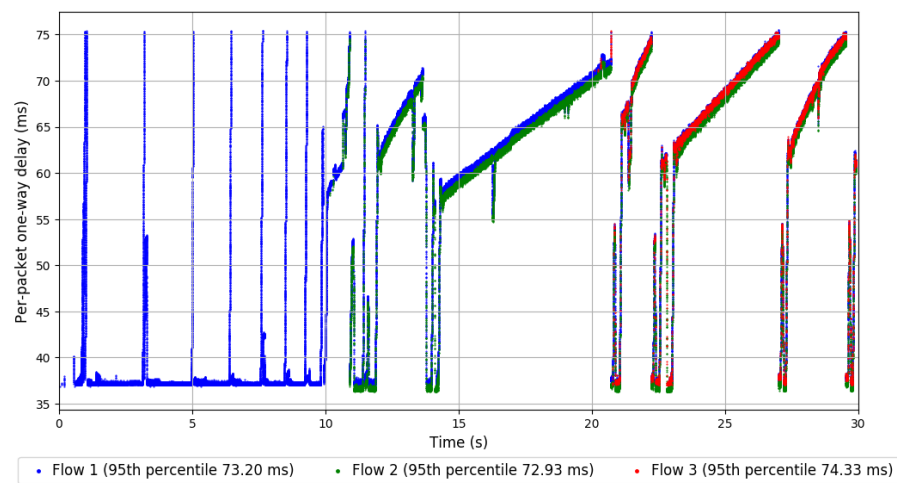
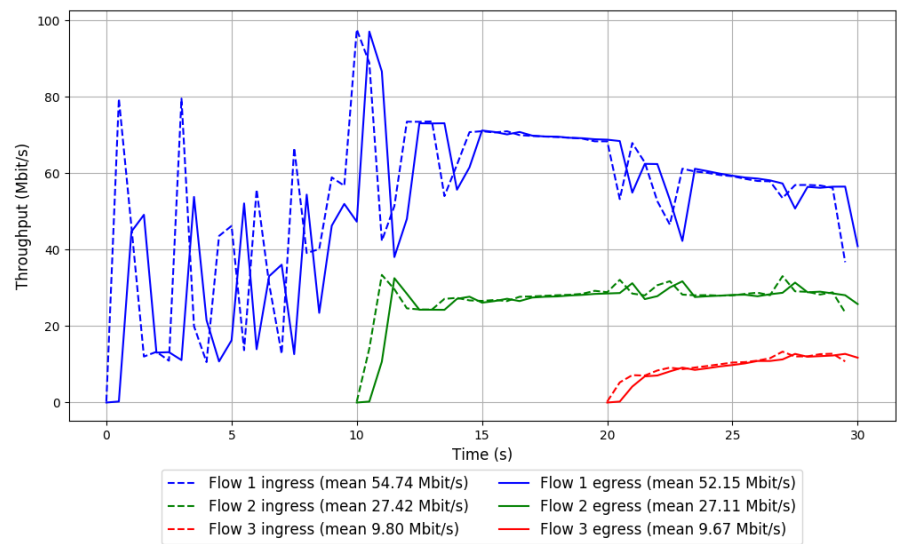
-- Flow 3:

Average throughput: 9.67 Mbit/s

95th percentile per-packet one-way delay: 74.334 ms

Loss rate: 1.40%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-29 22:04:05

End at: 2018-06-29 22:04:35

Local clock offset: 4.153 ms

Remote clock offset: 9.509 ms

Below is generated by plot.py at 2018-06-30 01:31:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 74.093 ms

Loss rate: 3.70%

-- Flow 1:

Average throughput: 52.23 Mbit/s

95th percentile per-packet one-way delay: 74.073 ms

Loss rate: 4.68%

-- Flow 2:

Average throughput: 27.76 Mbit/s

95th percentile per-packet one-way delay: 74.193 ms

Loss rate: 1.25%

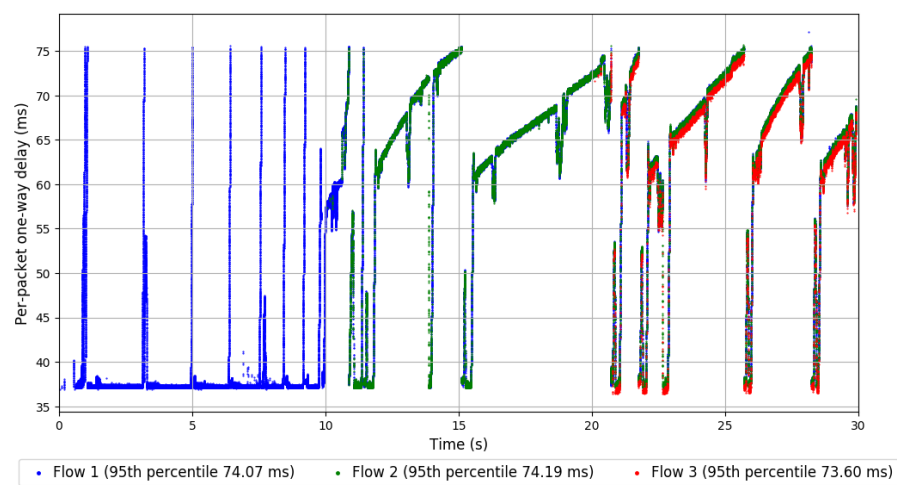
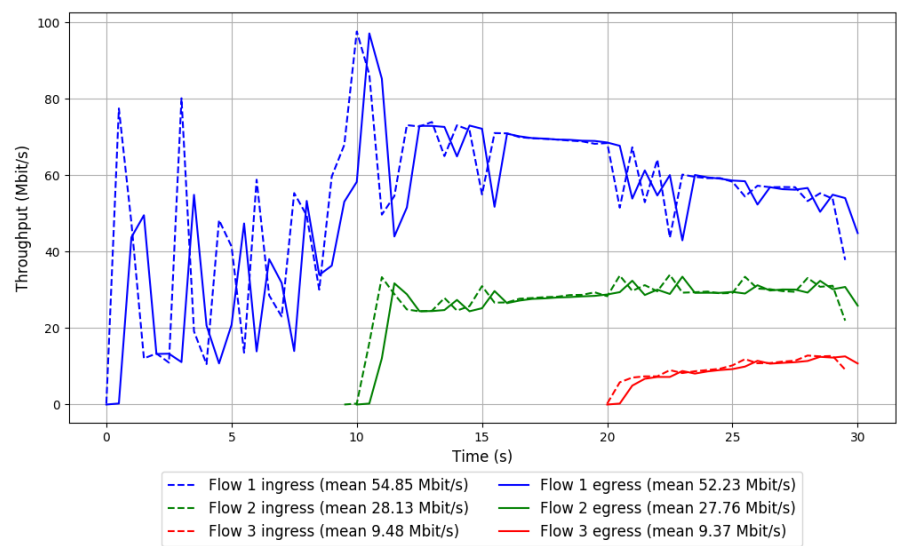
-- Flow 3:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 73.604 ms

Loss rate: 1.18%

Run 3: Report of QUIC Cubic — Data Link

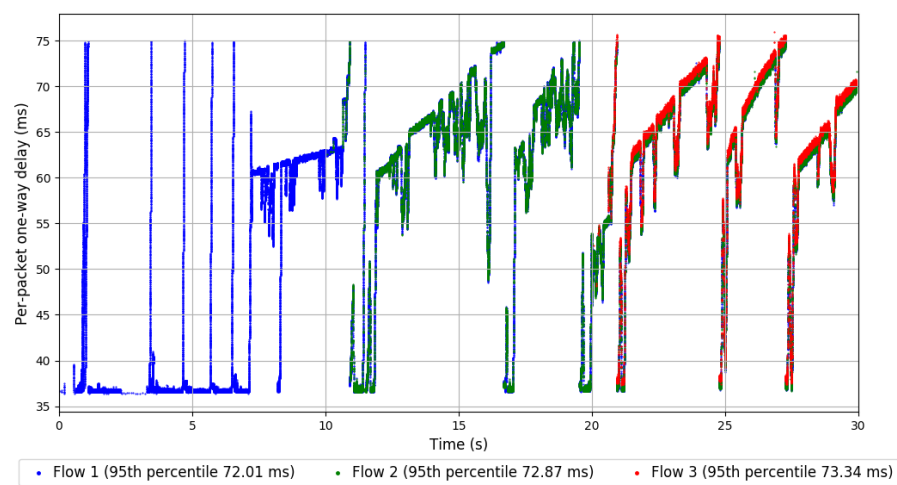
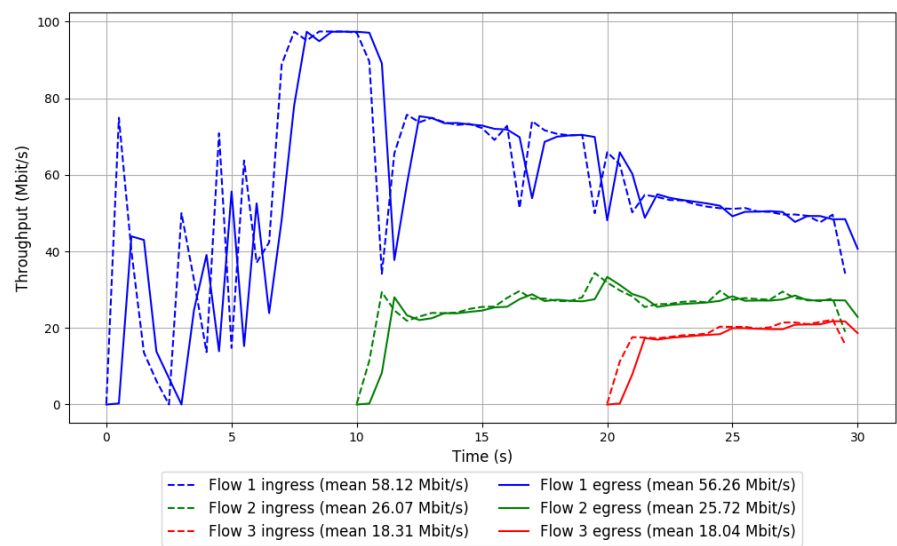


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-29 22:30:10
End at: 2018-06-29 22:30:40
Local clock offset: 6.268 ms
Remote clock offset: 4.795 ms

Below is generated by plot.py at 2018-06-30 01:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.29 Mbit/s
95th percentile per-packet one-way delay: 72.409 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 56.26 Mbit/s
95th percentile per-packet one-way delay: 72.008 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 72.868 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 18.04 Mbit/s
95th percentile per-packet one-way delay: 73.339 ms
Loss rate: 1.30%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-29 22:57:00

End at: 2018-06-29 22:57:30

Local clock offset: 4.598 ms

Remote clock offset: 3.399 ms

Below is generated by plot.py at 2018-06-30 01:31:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.00 Mbit/s

95th percentile per-packet one-way delay: 69.054 ms

Loss rate: 3.31%

-- Flow 1:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 68.658 ms

Loss rate: 4.55%

-- Flow 2:

Average throughput: 29.43 Mbit/s

95th percentile per-packet one-way delay: 68.876 ms

Loss rate: 1.17%

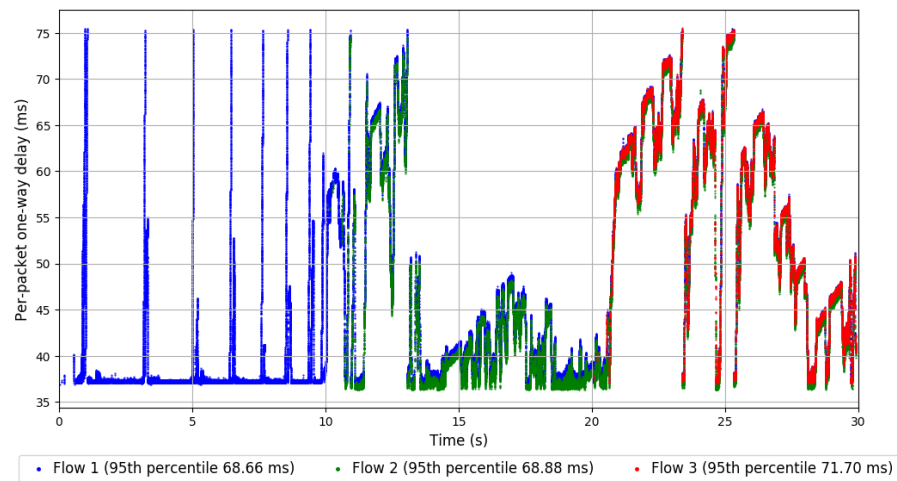
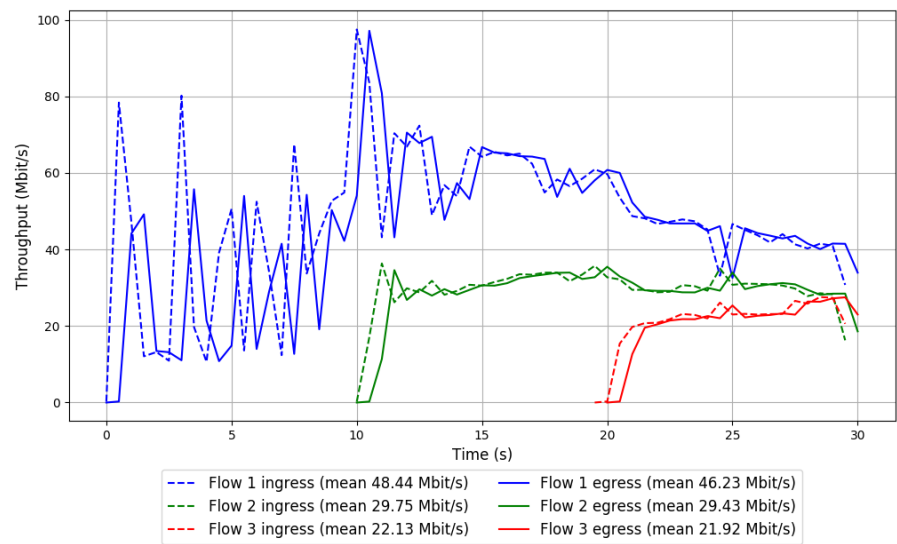
-- Flow 3:

Average throughput: 21.92 Mbit/s

95th percentile per-packet one-way delay: 71.705 ms

Loss rate: 0.90%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-29 23:23:28

End at: 2018-06-29 23:23:58

Local clock offset: 1.692 ms

Remote clock offset: 3.427 ms

Below is generated by plot.py at 2018-06-30 01:31:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.68 Mbit/s

95th percentile per-packet one-way delay: 73.475 ms

Loss rate: 3.77%

-- Flow 1:

Average throughput: 52.77 Mbit/s

95th percentile per-packet one-way delay: 73.156 ms

Loss rate: 4.74%

-- Flow 2:

Average throughput: 26.99 Mbit/s

95th percentile per-packet one-way delay: 74.019 ms

Loss rate: 1.19%

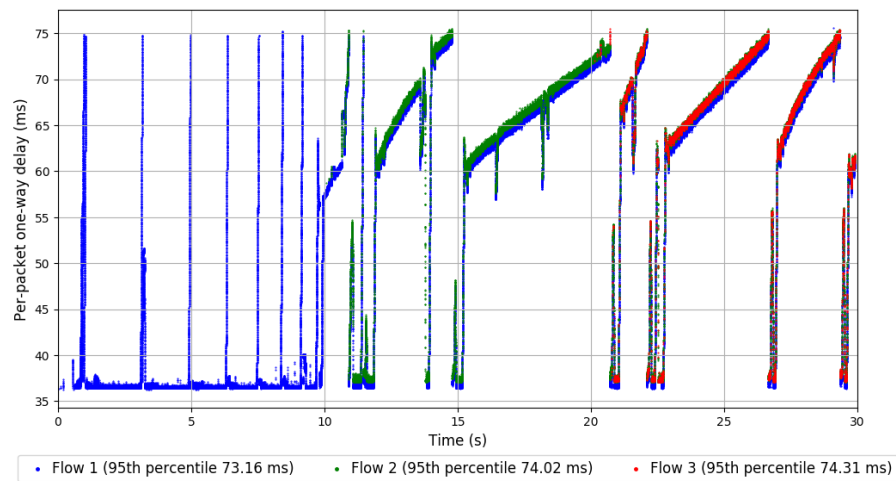
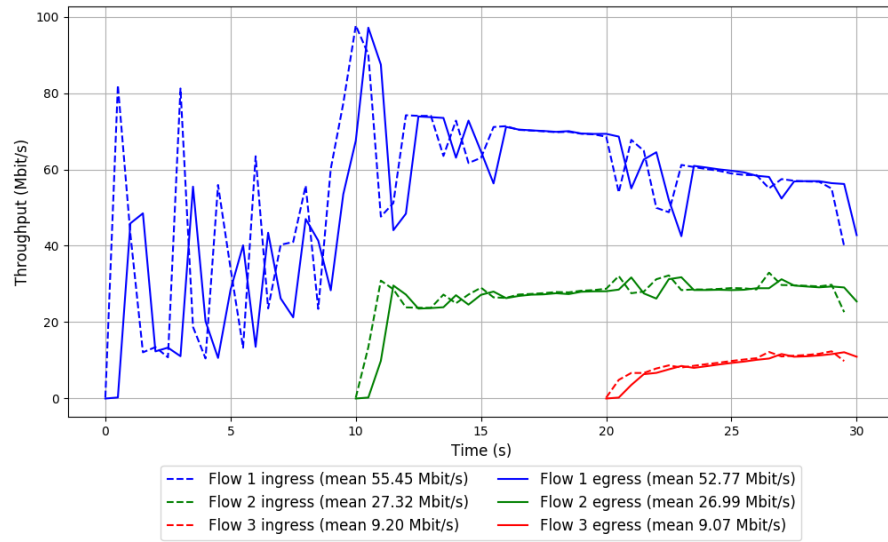
-- Flow 3:

Average throughput: 9.07 Mbit/s

95th percentile per-packet one-way delay: 74.313 ms

Loss rate: 1.55%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-29 23:48:13

End at: 2018-06-29 23:48:43

Local clock offset: -0.168 ms

Remote clock offset: 4.076 ms

Below is generated by plot.py at 2018-06-30 01:31:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.95 Mbit/s

95th percentile per-packet one-way delay: 73.715 ms

Loss rate: 3.34%

-- Flow 1:

Average throughput: 58.76 Mbit/s

95th percentile per-packet one-way delay: 73.450 ms

Loss rate: 3.86%

-- Flow 2:

Average throughput: 13.53 Mbit/s

95th percentile per-packet one-way delay: 74.453 ms

Loss rate: 1.08%

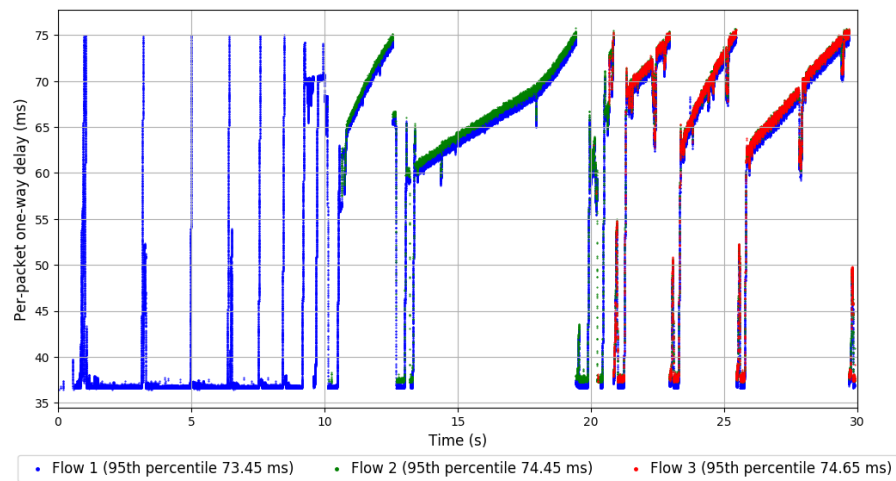
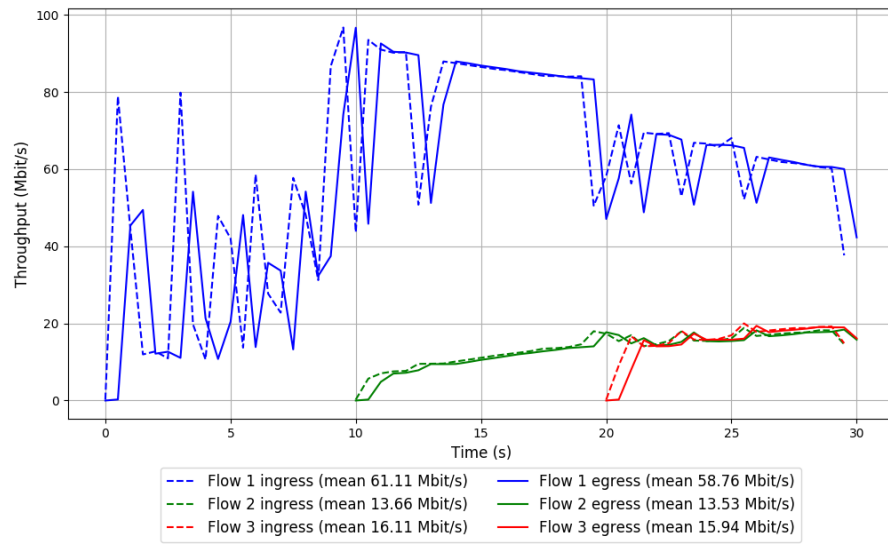
-- Flow 3:

Average throughput: 15.94 Mbit/s

95th percentile per-packet one-way delay: 74.651 ms

Loss rate: 1.29%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 00:13:11

End at: 2018-06-30 00:13:41

Local clock offset: -0.1 ms

Remote clock offset: 3.767 ms

Below is generated by plot.py at 2018-06-30 01:32:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 72.167 ms

Loss rate: 4.31%

-- Flow 1:

Average throughput: 49.61 Mbit/s

95th percentile per-packet one-way delay: 71.978 ms

Loss rate: 4.84%

-- Flow 2:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 72.062 ms

Loss rate: 1.42%

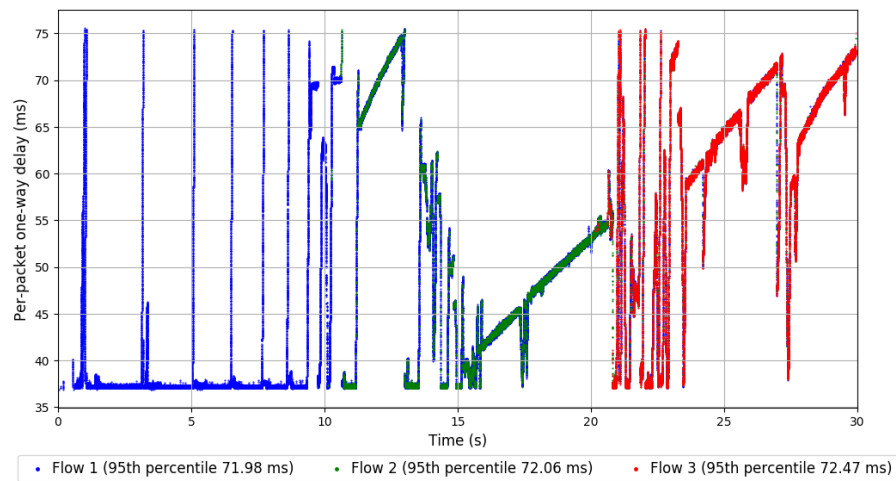
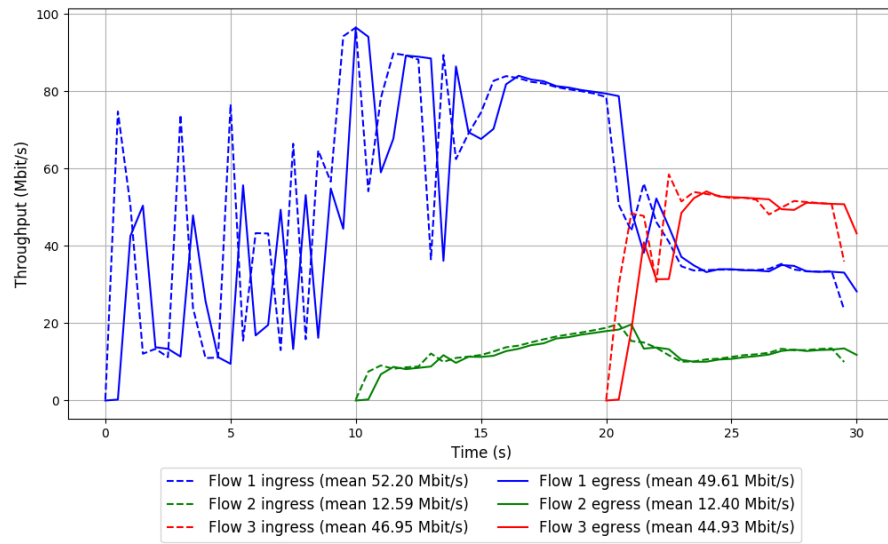
-- Flow 3:

Average throughput: 44.93 Mbit/s

95th percentile per-packet one-way delay: 72.466 ms

Loss rate: 4.10%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 00:38:58

End at: 2018-06-30 00:39:28

Local clock offset: 0.081 ms

Remote clock offset: 4.096 ms

Below is generated by plot.py at 2018-06-30 01:32:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.34 Mbit/s

95th percentile per-packet one-way delay: 74.060 ms

Loss rate: 3.57%

-- Flow 1:

Average throughput: 58.45 Mbit/s

95th percentile per-packet one-way delay: 74.045 ms

Loss rate: 4.13%

-- Flow 2:

Average throughput: 14.54 Mbit/s

95th percentile per-packet one-way delay: 74.132 ms

Loss rate: 0.88%

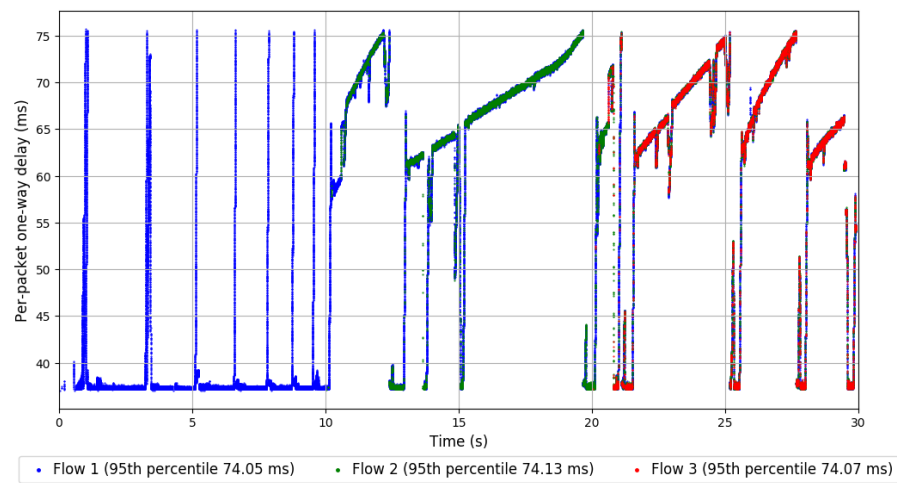
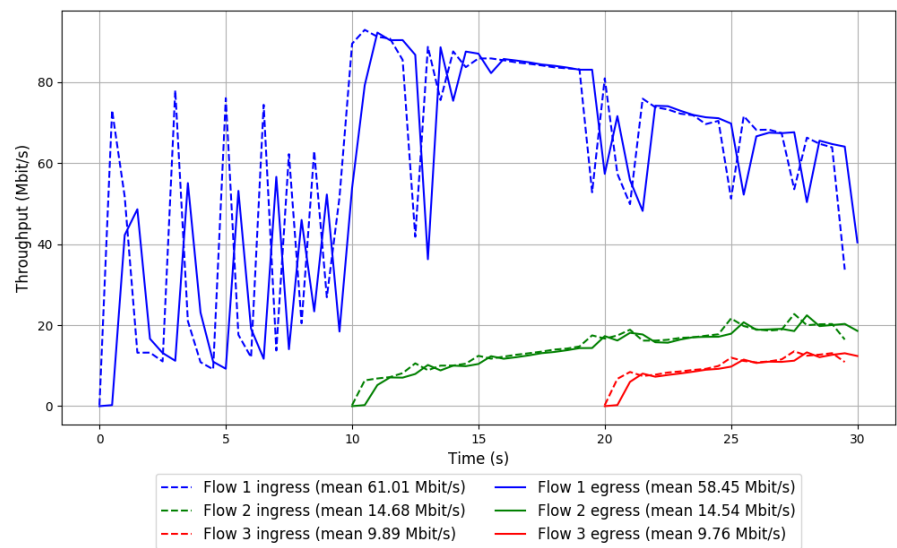
-- Flow 3:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 74.073 ms

Loss rate: 1.16%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 01:04:05

End at: 2018-06-30 01:04:35

Local clock offset: 0.276 ms

Remote clock offset: 4.702 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 74.168 ms

Loss rate: 3.50%

-- Flow 1:

Average throughput: 59.23 Mbit/s

95th percentile per-packet one-way delay: 74.175 ms

Loss rate: 4.03%

-- Flow 2:

Average throughput: 14.40 Mbit/s

95th percentile per-packet one-way delay: 74.316 ms

Loss rate: 0.95%

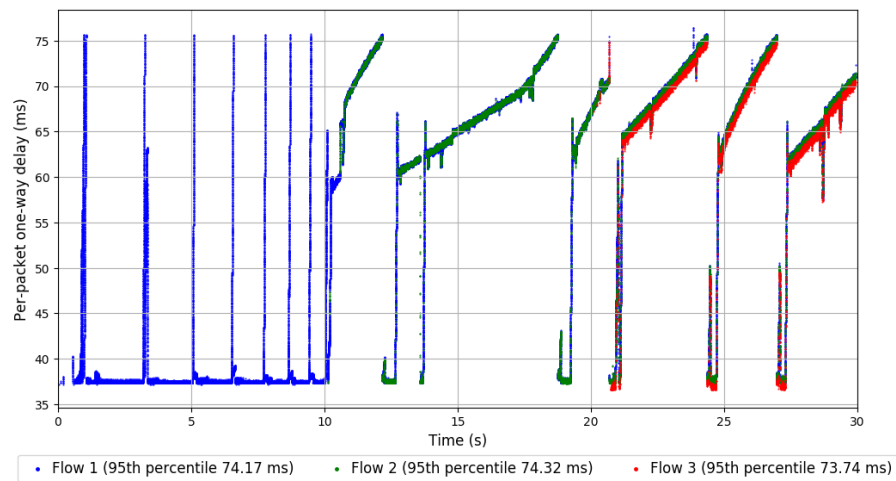
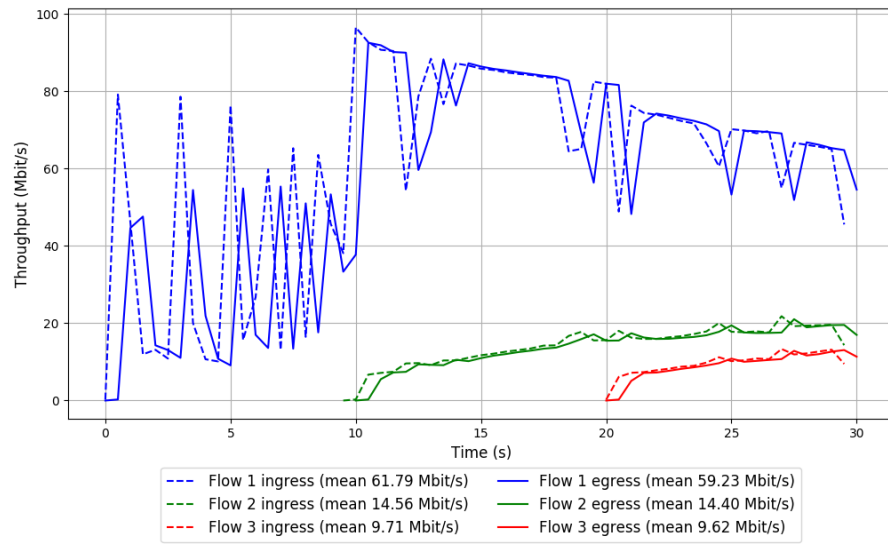
-- Flow 3:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 73.742 ms

Loss rate: 0.95%

Run 10: Report of QUIC Cubic — Data Link

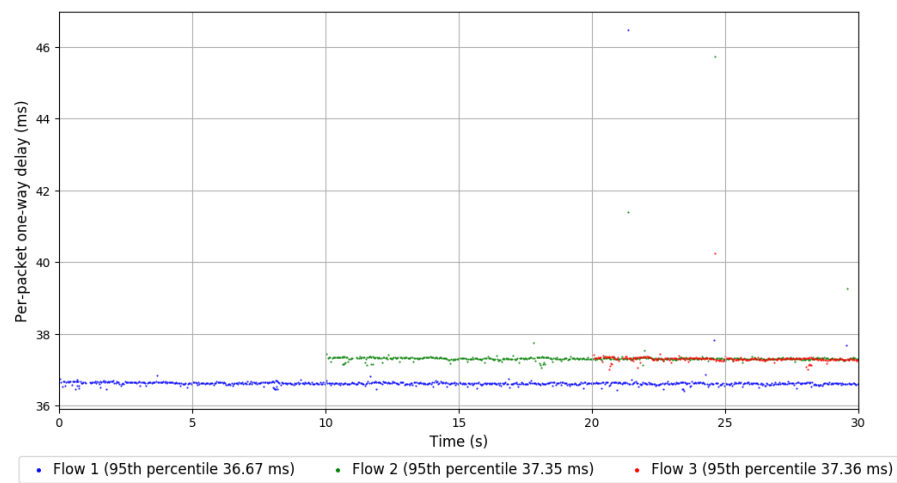
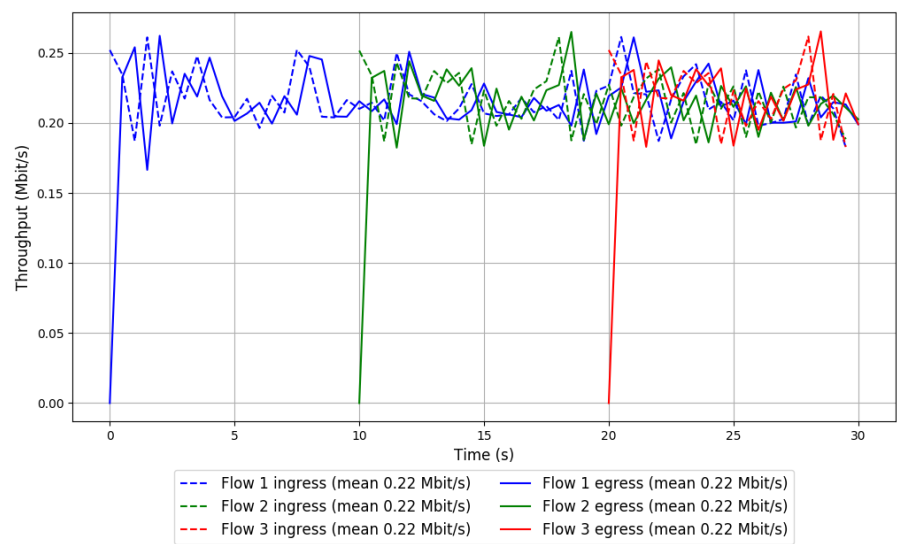


```
Run 1: Statistics of SReAM

Start at: 2018-06-29 21:13:35
End at: 2018-06-29 21:14:05
Local clock offset: -0.195 ms
Remote clock offset: 7.288 ms

# Below is generated by plot.py at 2018-06-30 01:32:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 37.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.671 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.355 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.356 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

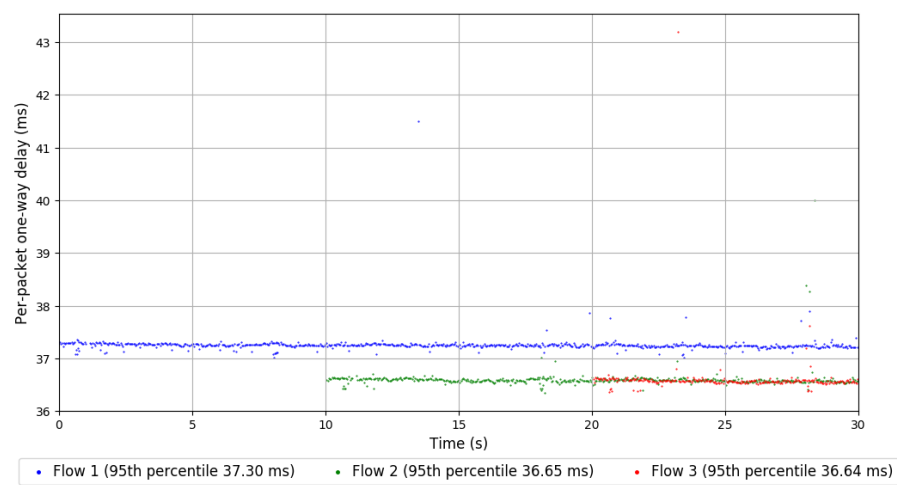
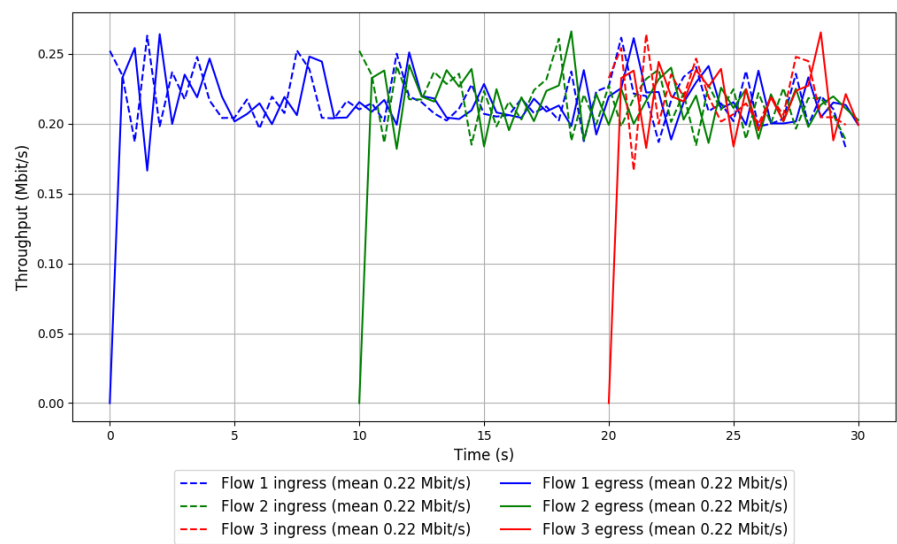


```
Run 2: Statistics of SReAM

Start at: 2018-06-29 21:39:40
End at: 2018-06-29 21:40:10
Local clock offset: -1.196 ms
Remote clock offset: 8.089 ms

# Below is generated by plot.py at 2018-06-30 01:32:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 37.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.305 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.646 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.641 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-06-29 22:05:33

End at: 2018-06-29 22:06:03

Local clock offset: 4.303 ms

Remote clock offset: 9.609 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 37.421 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.431 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.745 ms

Loss rate: 0.00%

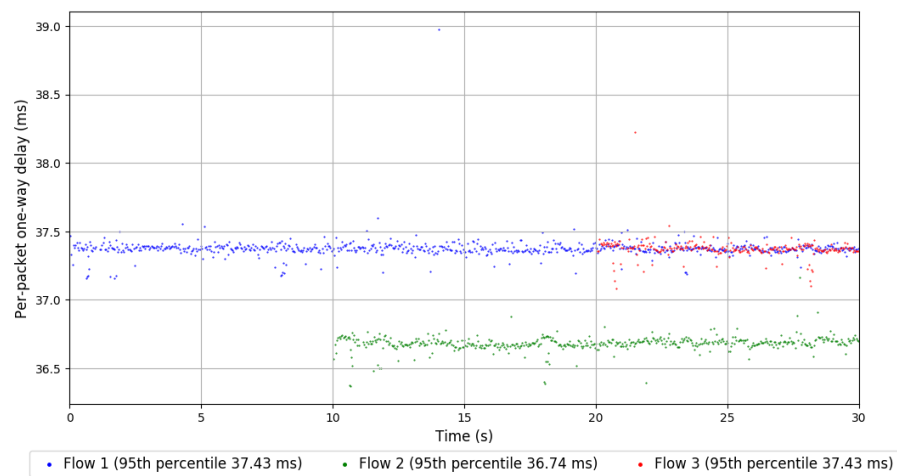
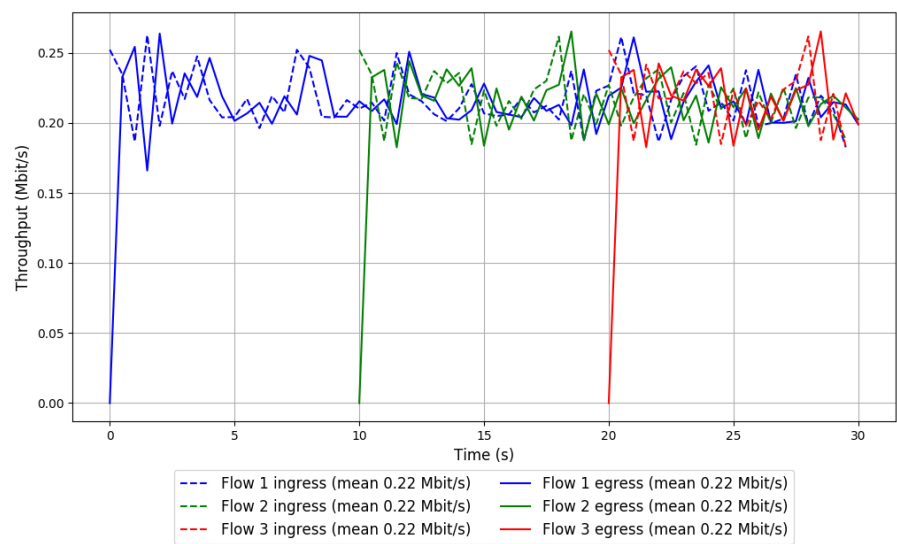
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.433 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-06-29 22:31:44

End at: 2018-06-29 22:32:14

Local clock offset: 6.374 ms

Remote clock offset: 4.5 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 37.441 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.756 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 36.764 ms

Loss rate: 0.00%

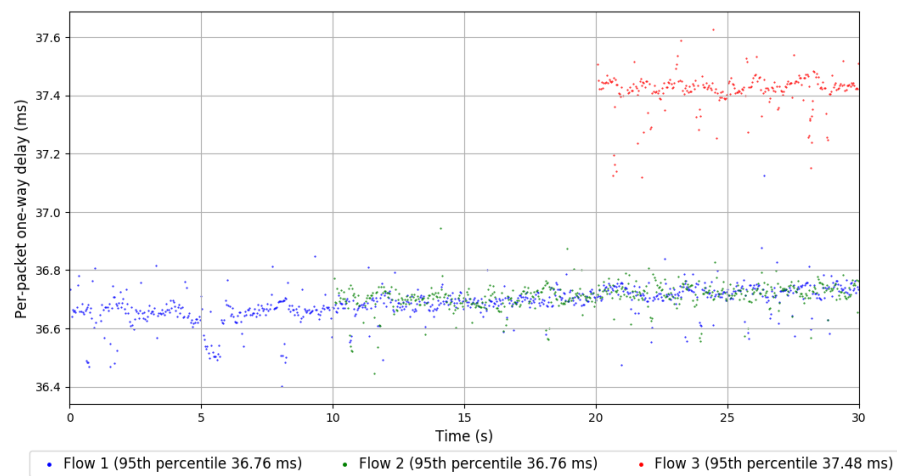
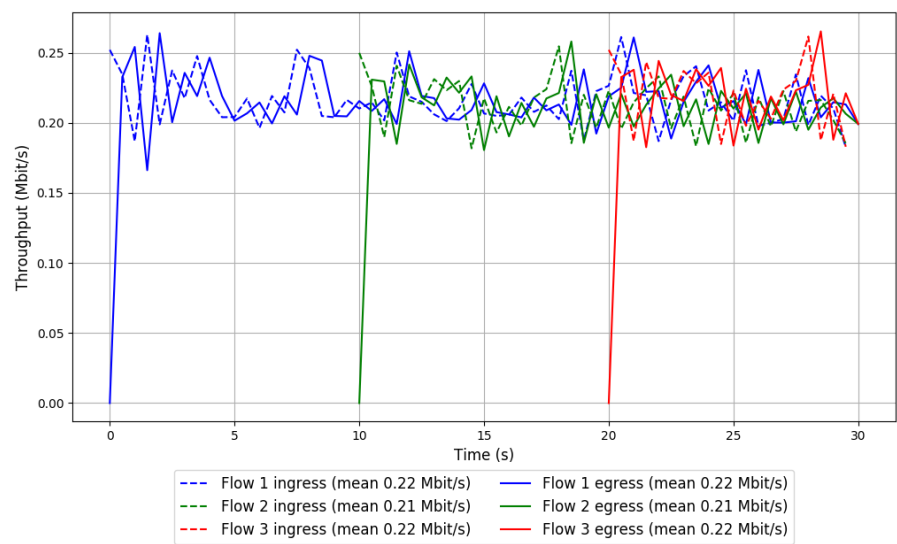
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.483 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-29 22:58:46

End at: 2018-06-29 22:59:16

Local clock offset: 4.392 ms

Remote clock offset: 3.357 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 36.605 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.604 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 36.618 ms

Loss rate: 0.00%

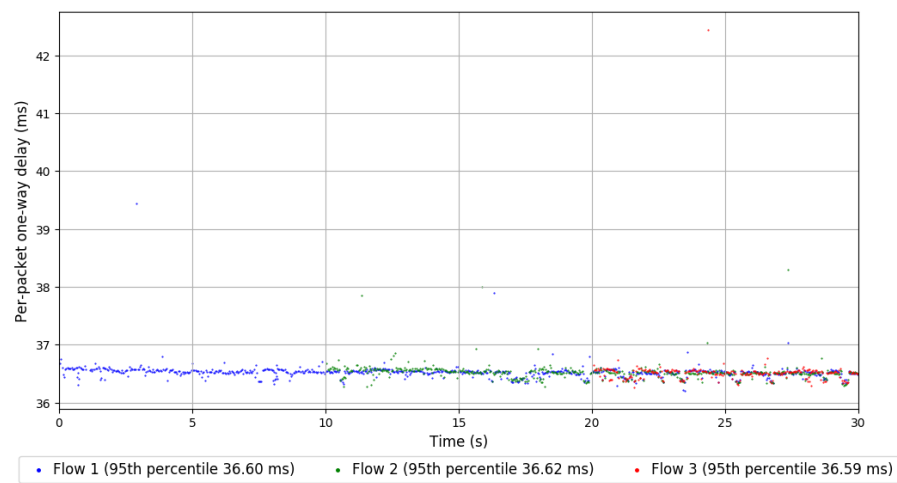
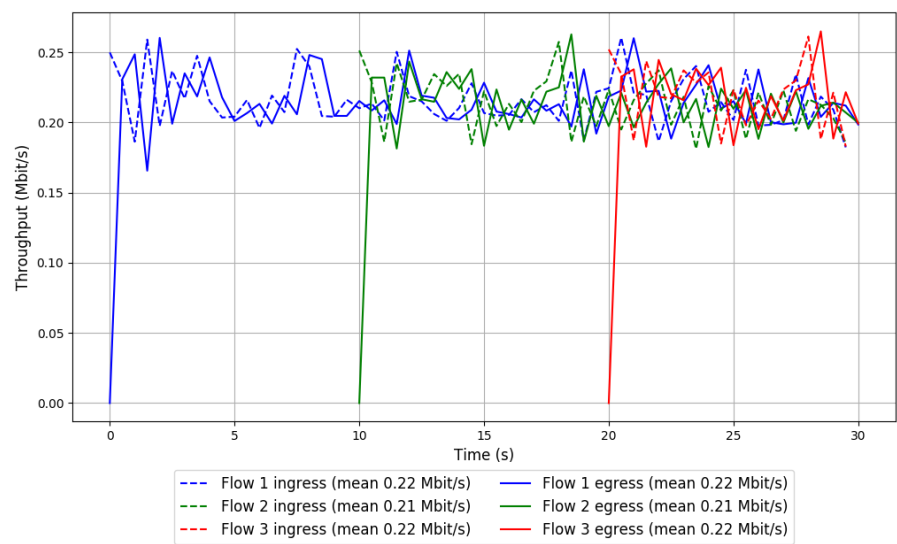
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.589 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-06-29 23:24:51

End at: 2018-06-29 23:25:21

Local clock offset: 1.461 ms

Remote clock offset: 3.259 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 37.045 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.523 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 36.449 ms

Loss rate: 0.00%

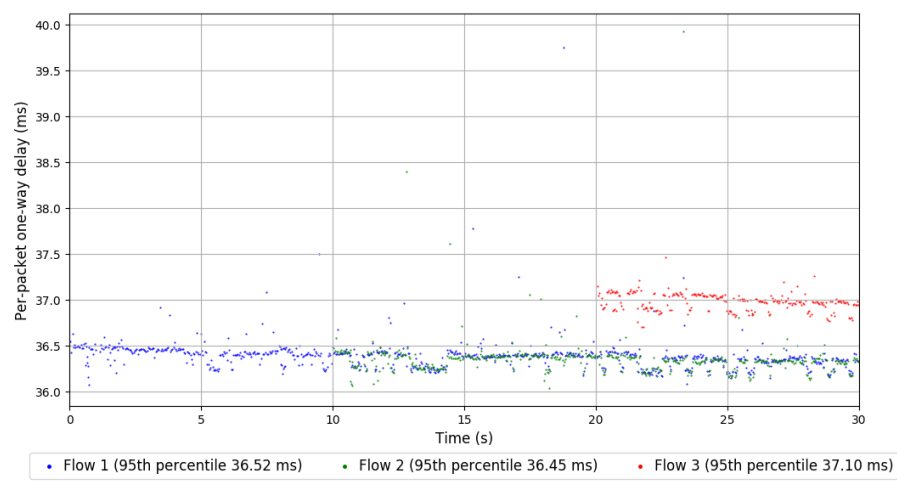
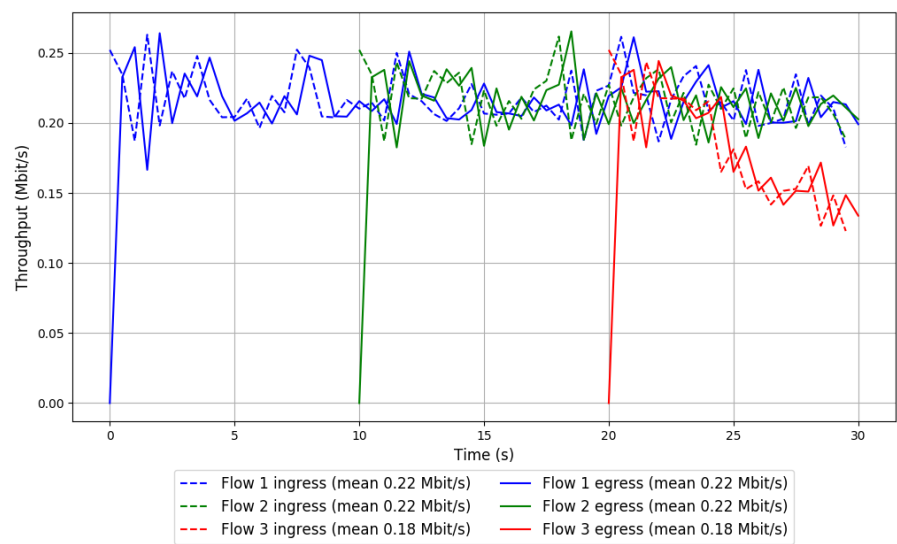
-- Flow 3:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 37.097 ms

Loss rate: 0.46%

Run 6: Report of SReAM — Data Link

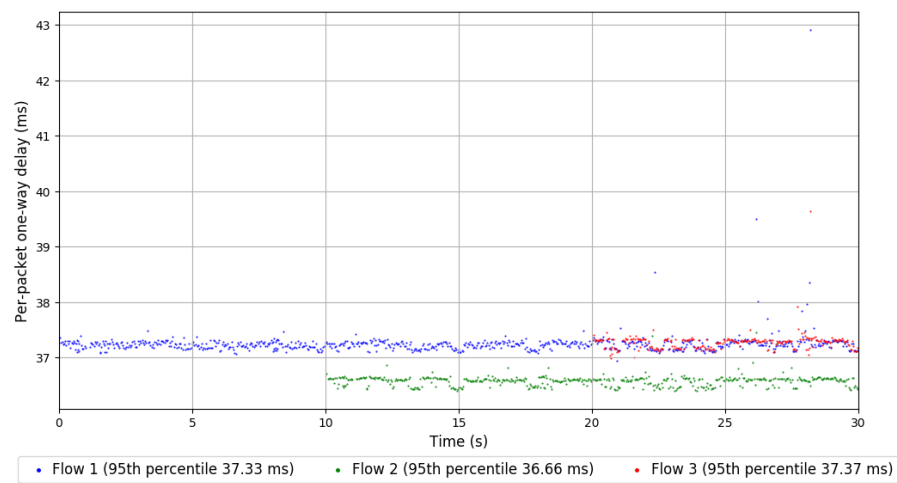
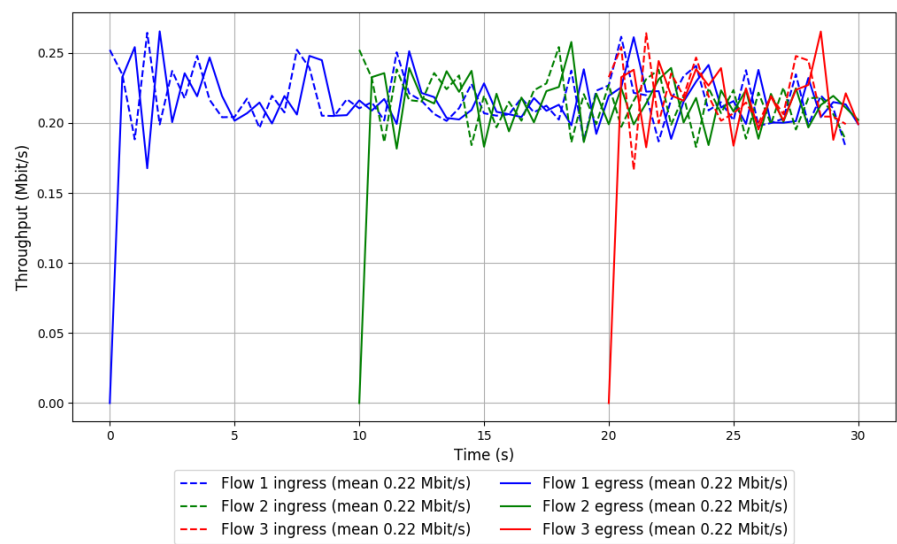


Run 7: Statistics of SReAM

Start at: 2018-06-29 23:49:42
End at: 2018-06-29 23:50:12
Local clock offset: -0.037 ms
Remote clock offset: 3.965 ms

Below is generated by plot.py at 2018-06-30 01:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 37.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.661 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.369 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

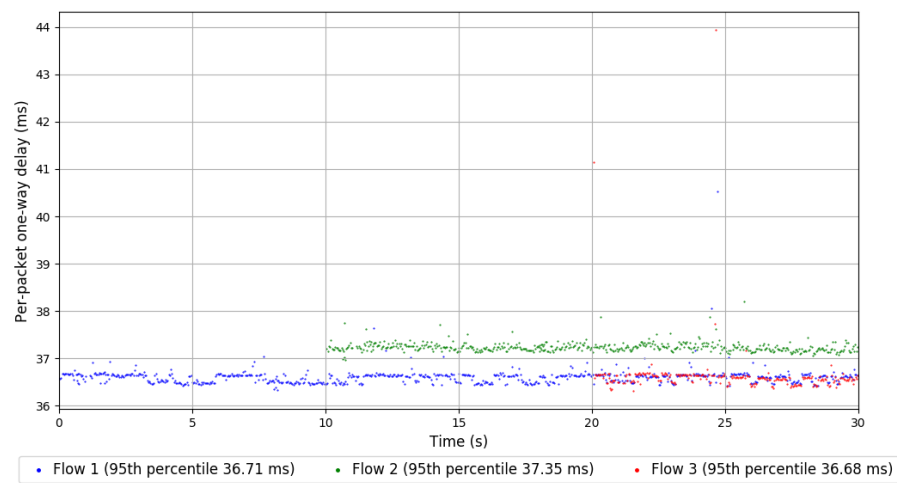
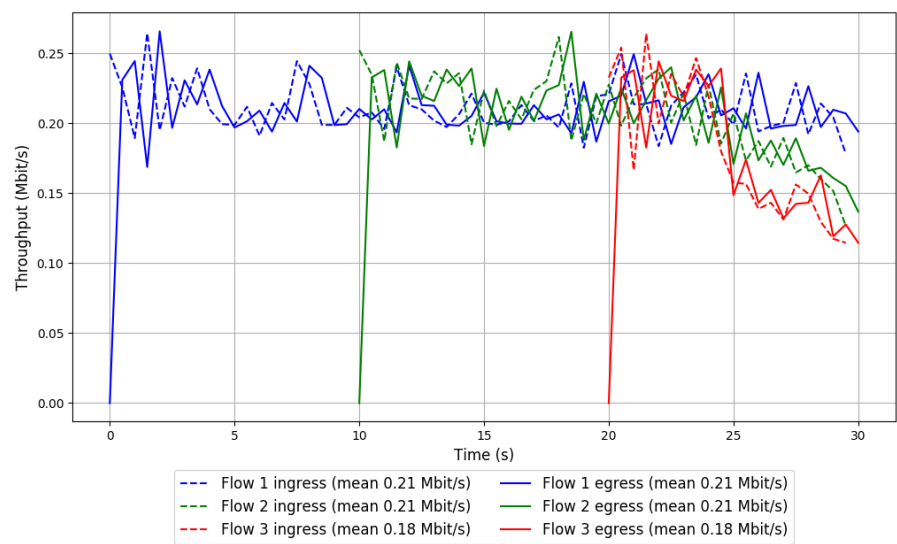


Run 8: Statistics of SReAM

Start at: 2018-06-30 00:14:40
End at: 2018-06-30 00:15:10
Local clock offset: -0.156 ms
Remote clock offset: 3.8 ms

Below is generated by plot.py at 2018-06-30 01:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 37.310 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.708 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 37.351 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 36.678 ms
Loss rate: 0.42%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-06-30 00:40:30

End at: 2018-06-30 00:41:00

Local clock offset: 0.055 ms

Remote clock offset: 4.269 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 37.534 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.537 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.525 ms

Loss rate: 0.00%

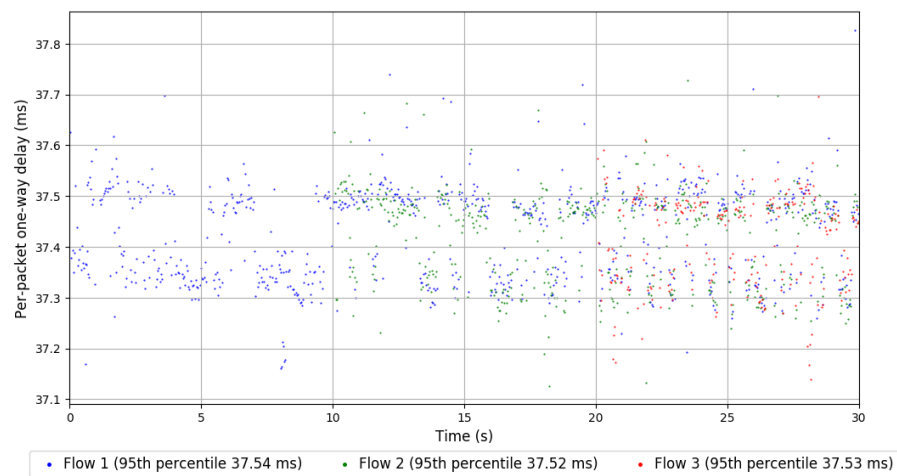
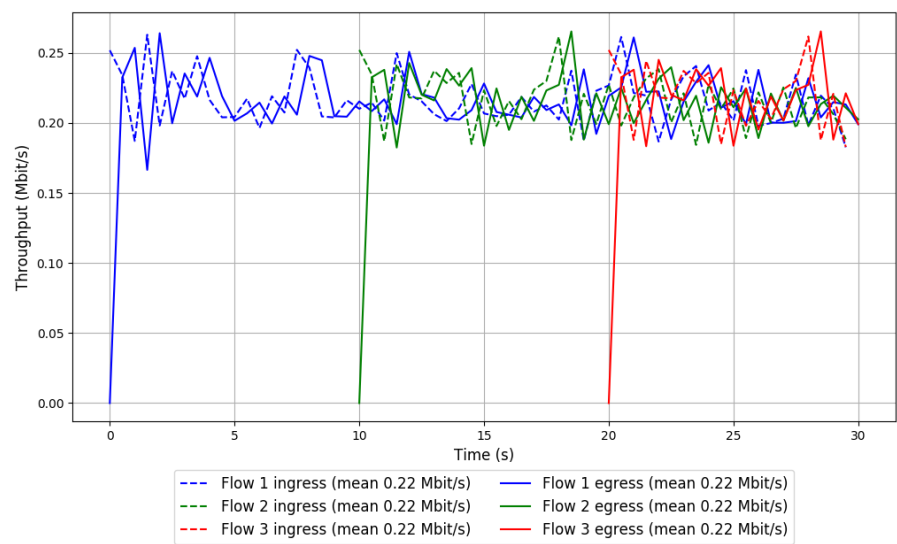
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.531 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-30 01:05:29

End at: 2018-06-30 01:05:59

Local clock offset: 0.365 ms

Remote clock offset: 4.653 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 37.352 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 36.693 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 36.689 ms

Loss rate: 0.00%

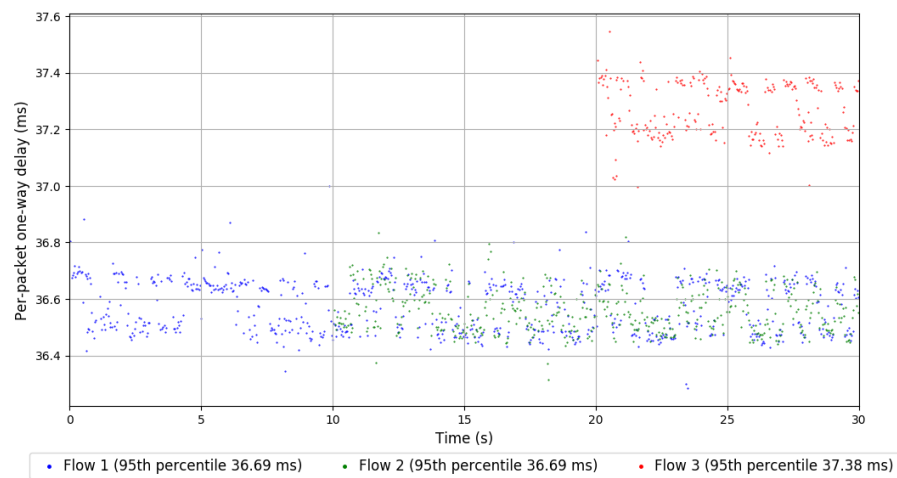
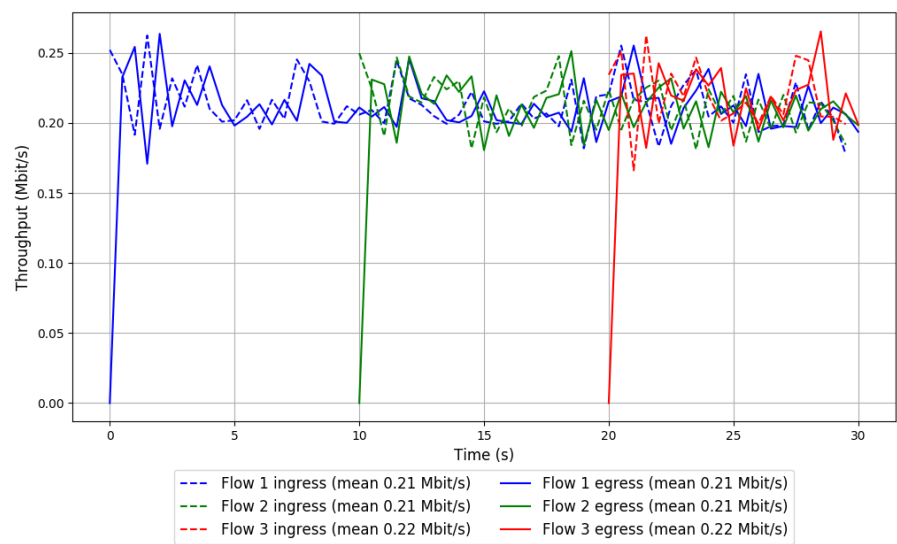
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 37.385 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-29 21:19:22

End at: 2018-06-29 21:19:52

Local clock offset: -0.337 ms

Remote clock offset: 7.375 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 43.404 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.30 Mbit/s

95th percentile per-packet one-way delay: 42.836 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 44.263 ms

Loss rate: 0.00%

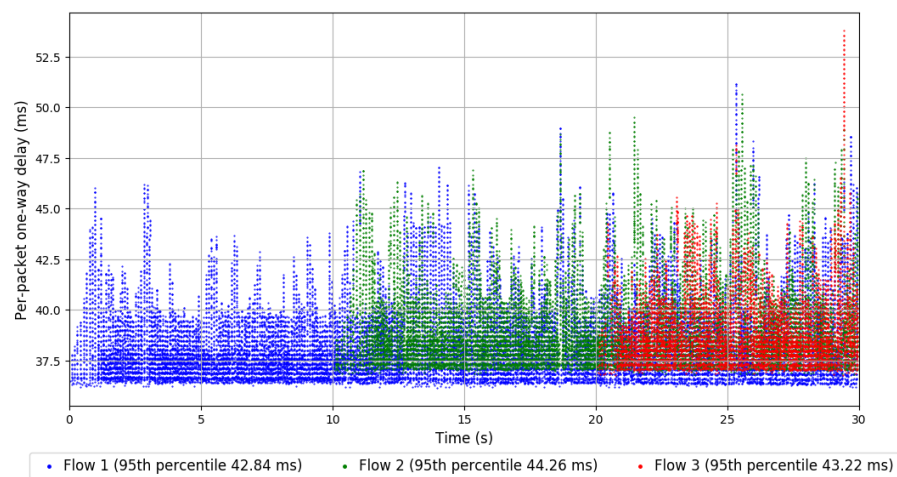
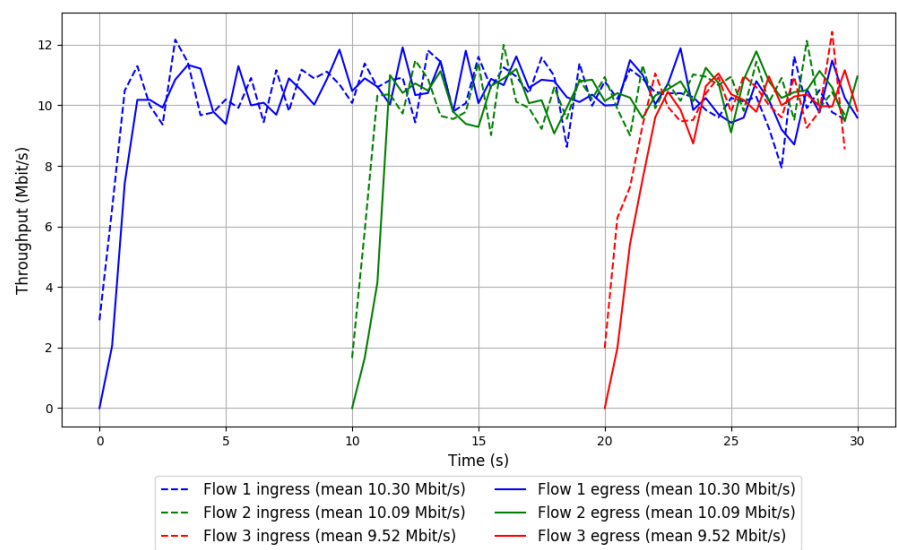
-- Flow 3:

Average throughput: 9.52 Mbit/s

95th percentile per-packet one-way delay: 43.220 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

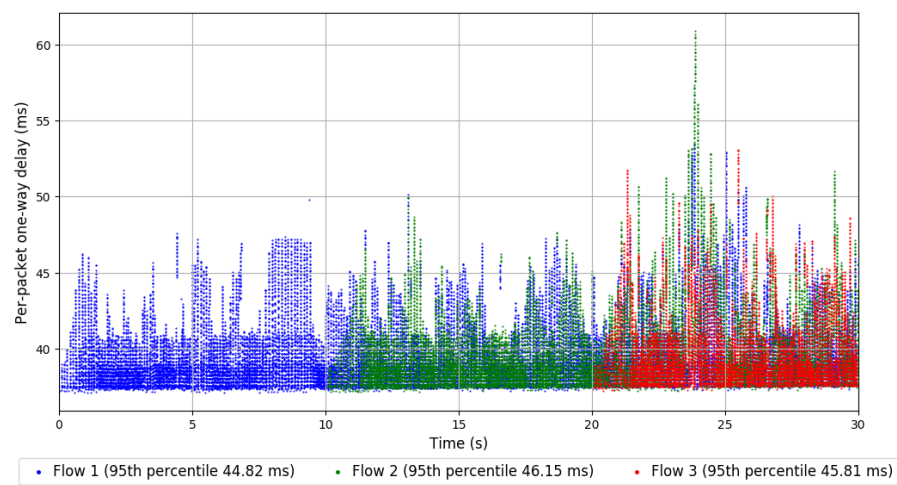
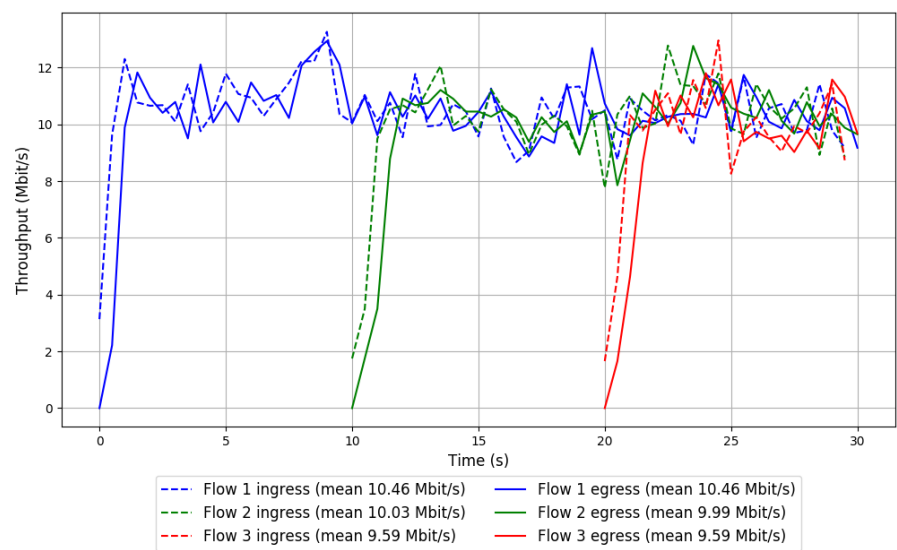


Run 2: Statistics of Sprout

Start at: 2018-06-29 21:45:20
End at: 2018-06-29 21:45:50
Local clock offset: -1.332 ms
Remote clock offset: 8.518 ms

Below is generated by plot.py at 2018-06-30 01:32:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 45.322 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 44.820 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 9.99 Mbit/s
95th percentile per-packet one-way delay: 46.154 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 45.806 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

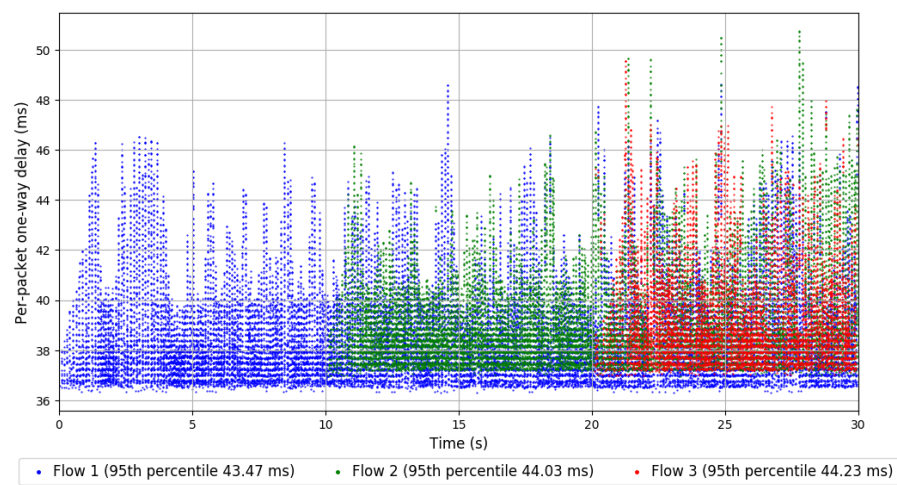
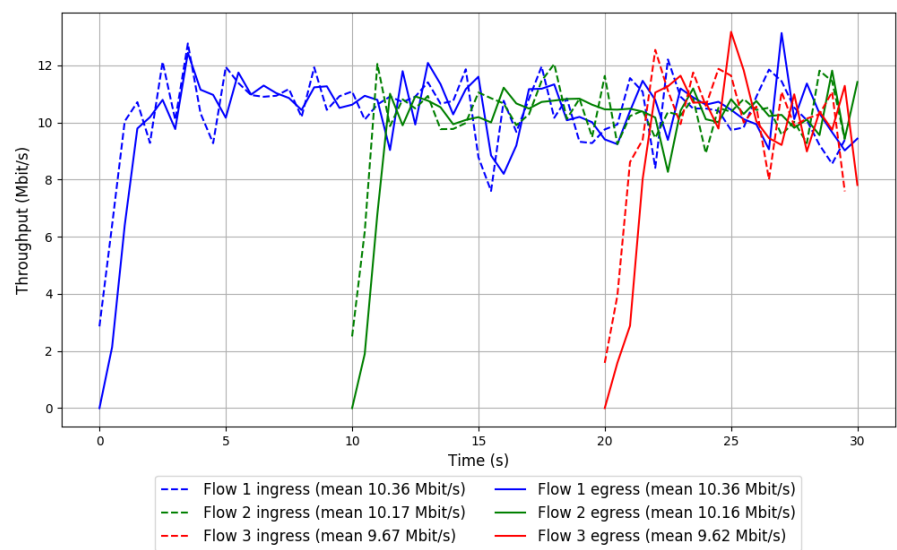


Run 3: Statistics of Sprout

Start at: 2018-06-29 22:11:05
End at: 2018-06-29 22:11:35
Local clock offset: 4.882 ms
Remote clock offset: 9.828 ms

```
# Below is generated by plot.py at 2018-06-30 01:32:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 43.778 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 43.465 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 44.034 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 44.226 ms
Loss rate: 0.55%
```

Run 3: Report of Sprout — Data Link

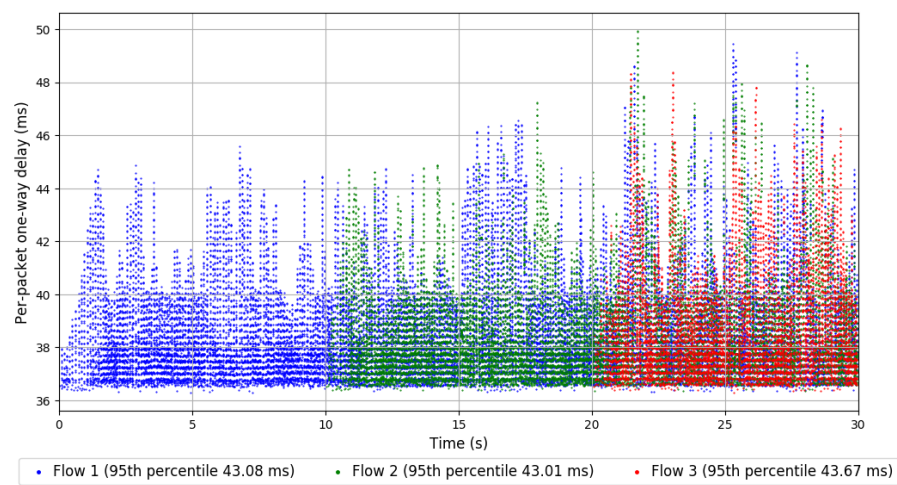
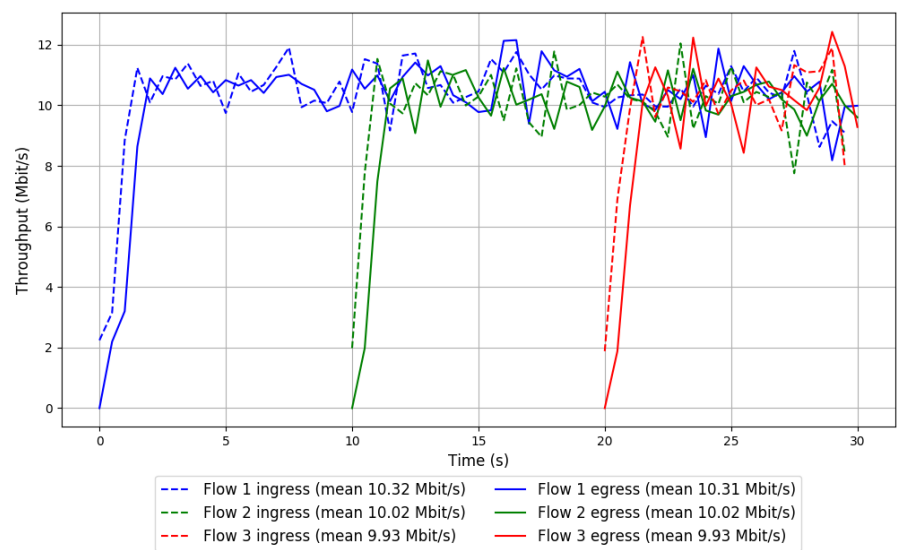


Run 4: Statistics of Sprout

Start at: 2018-06-29 22:37:14
End at: 2018-06-29 22:37:44
Local clock offset: 6.741 ms
Remote clock offset: 3.916 ms

```
# Below is generated by plot.py at 2018-06-30 01:32:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 43.153 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 43.081 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 43.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 43.669 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-29 23:04:43

End at: 2018-06-29 23:05:13

Local clock offset: 3.911 ms

Remote clock offset: 3.404 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.67 Mbit/s

95th percentile per-packet one-way delay: 43.694 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.94 Mbit/s

95th percentile per-packet one-way delay: 43.433 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 43.916 ms

Loss rate: 0.00%

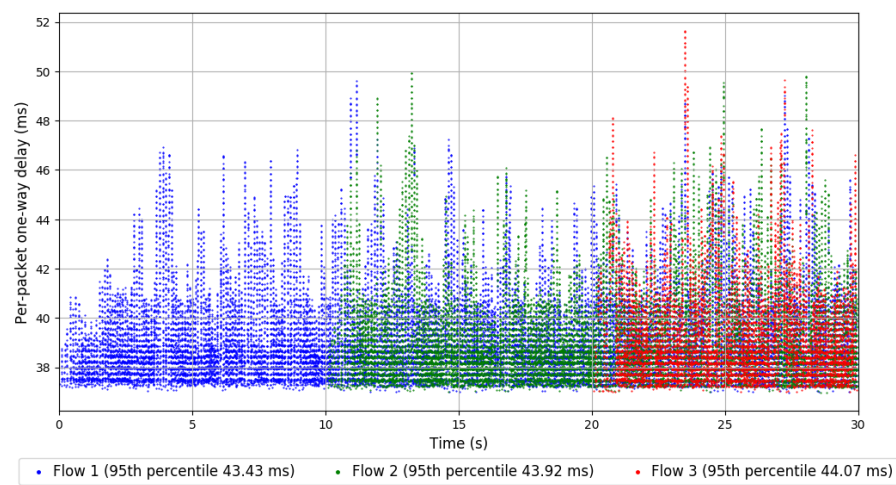
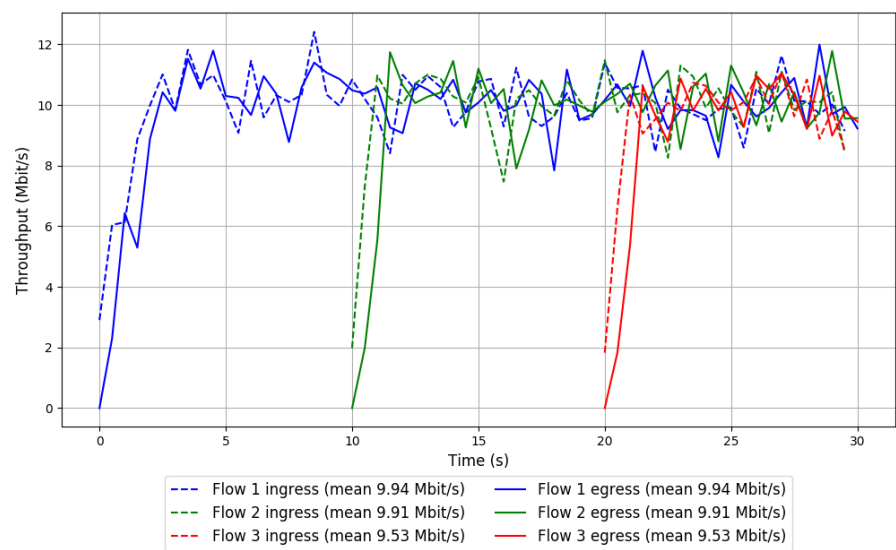
-- Flow 3:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 44.067 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-29 23:30:18

End at: 2018-06-29 23:30:48

Local clock offset: 0.668 ms

Remote clock offset: 3.606 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.68 Mbit/s

95th percentile per-packet one-way delay: 43.729 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.50 Mbit/s

95th percentile per-packet one-way delay: 43.916 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.43 Mbit/s

95th percentile per-packet one-way delay: 43.208 ms

Loss rate: 0.00%

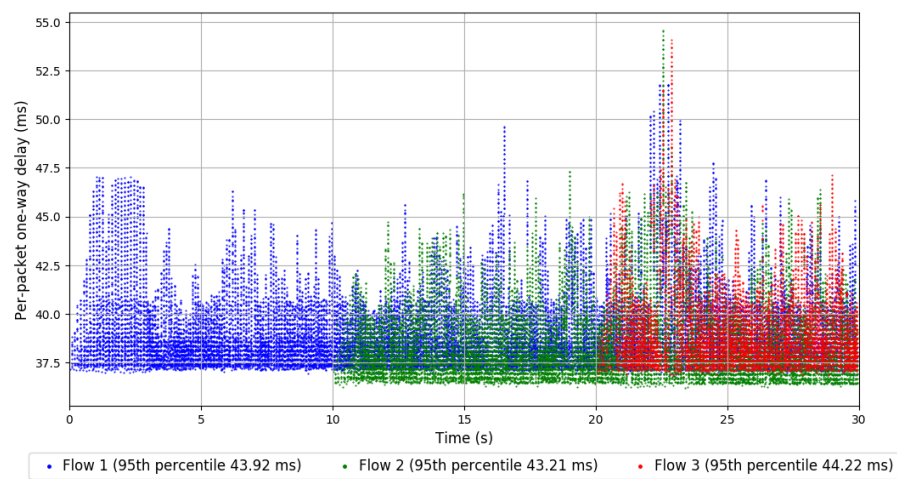
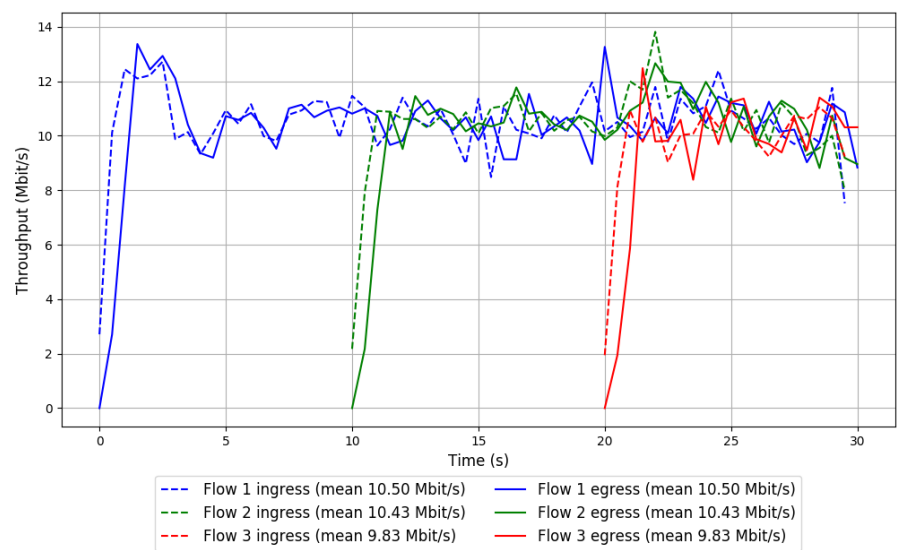
-- Flow 3:

Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: 44.224 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

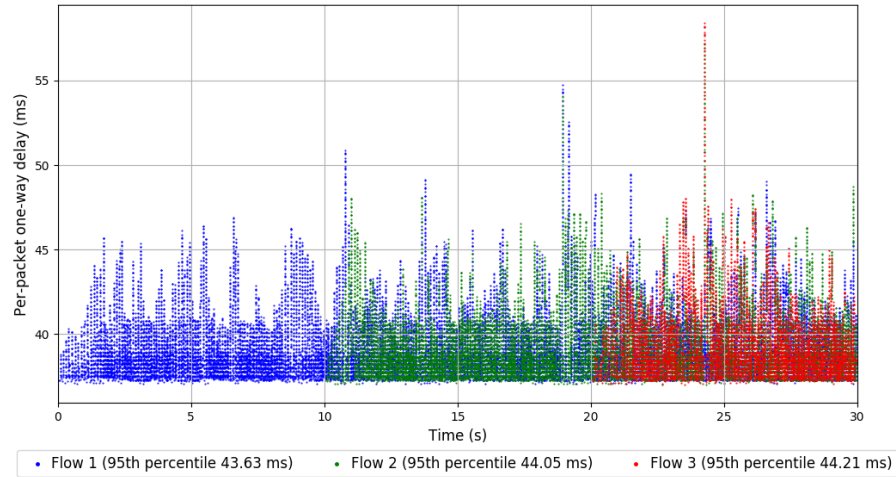
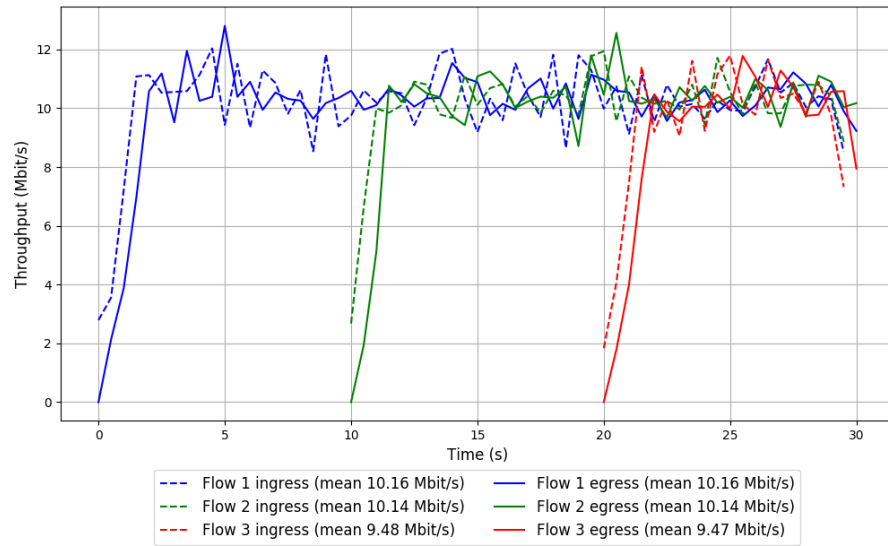


Run 7: Statistics of Sprout

Start at: 2018-06-29 23:55:06
End at: 2018-06-29 23:55:36
Local clock offset: 0.135 ms
Remote clock offset: 4.12 ms

```
# Below is generated by plot.py at 2018-06-30 01:32:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 43.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 43.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 44.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 44.213 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-30 00:20:14

End at: 2018-06-30 00:20:44

Local clock offset: 0.113 ms

Remote clock offset: 3.766 ms

Below is generated by plot.py at 2018-06-30 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.19 Mbit/s

95th percentile per-packet one-way delay: 43.472 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.34 Mbit/s

95th percentile per-packet one-way delay: 43.156 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.92 Mbit/s

95th percentile per-packet one-way delay: 43.567 ms

Loss rate: 0.00%

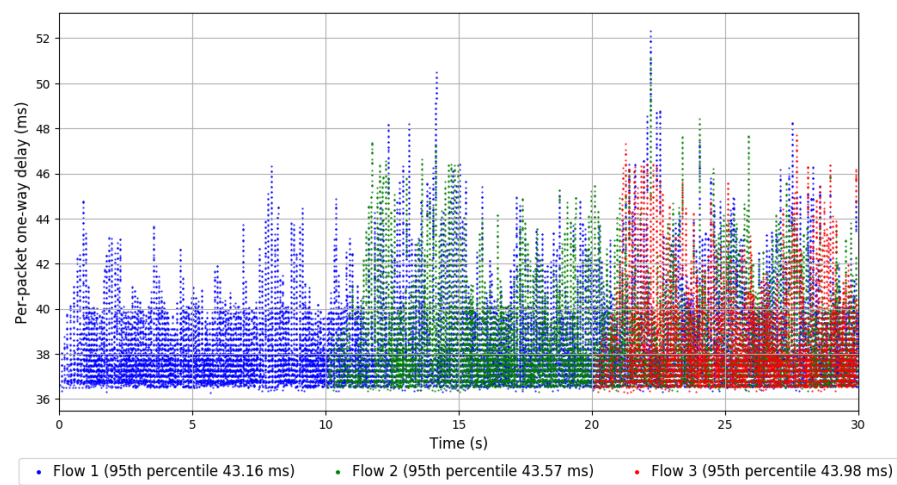
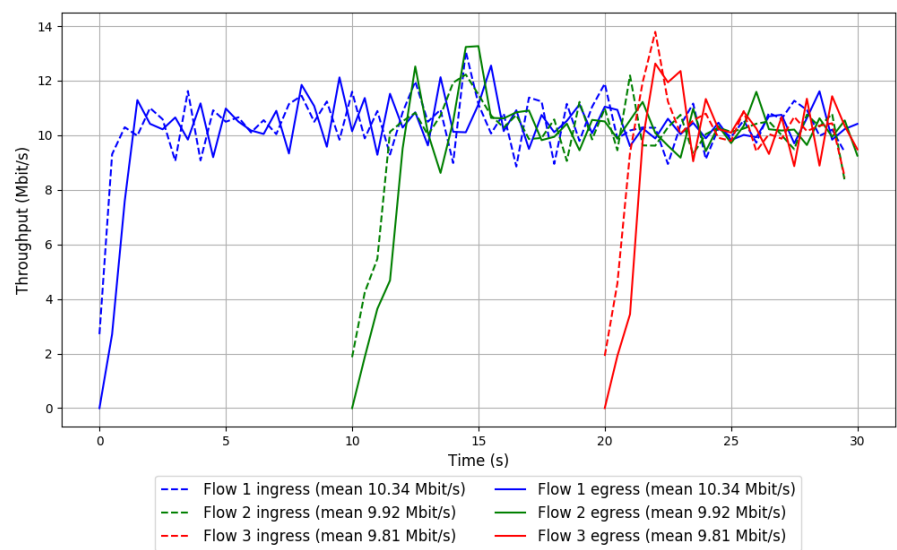
-- Flow 3:

Average throughput: 9.81 Mbit/s

95th percentile per-packet one-way delay: 43.976 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

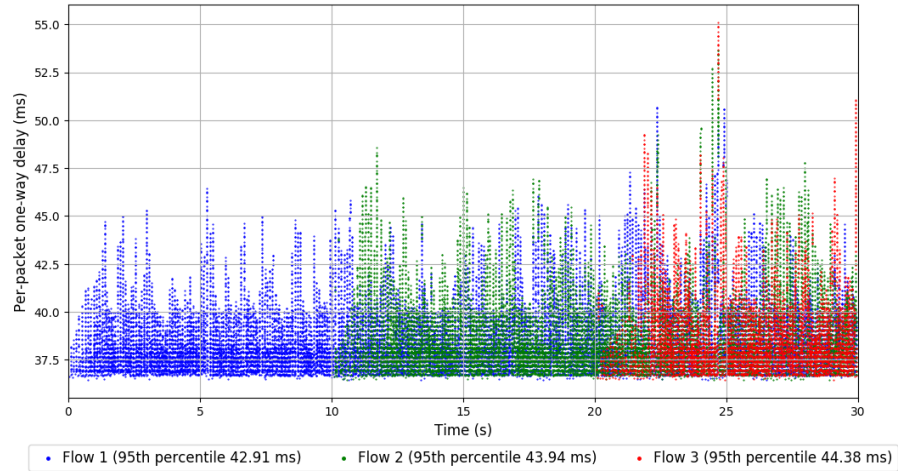
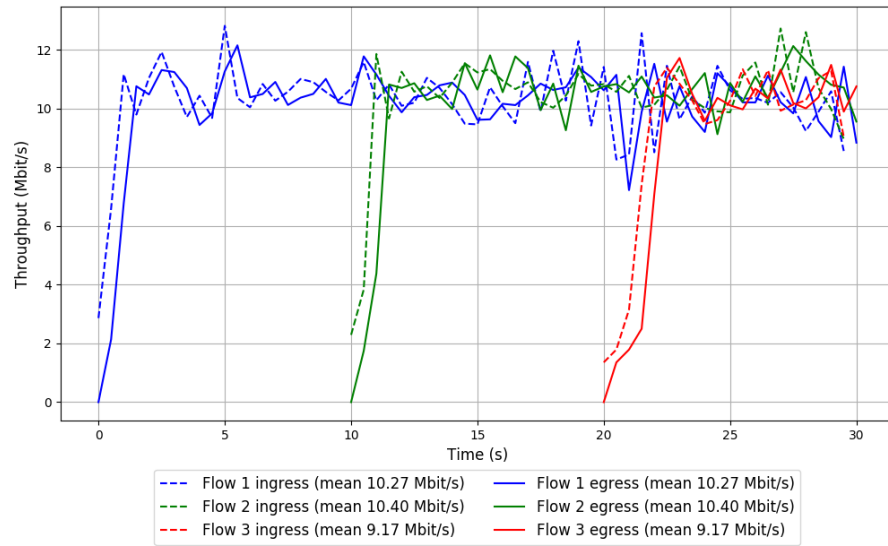


Run 9: Statistics of Sprout

Start at: 2018-06-30 00:45:56
End at: 2018-06-30 00:46:26
Local clock offset: -0.045 ms
Remote clock offset: 4.404 ms

```
# Below is generated by plot.py at 2018-06-30 01:32:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 43.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 42.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 43.937 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 44.378 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-30 01:10:54

End at: 2018-06-30 01:11:24

Local clock offset: 0.332 ms

Remote clock offset: 4.601 ms

Below is generated by plot.py at 2018-06-30 01:32:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.31 Mbit/s

95th percentile per-packet one-way delay: 43.724 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 43.232 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 10.30 Mbit/s

95th percentile per-packet one-way delay: 43.705 ms

Loss rate: 0.00%

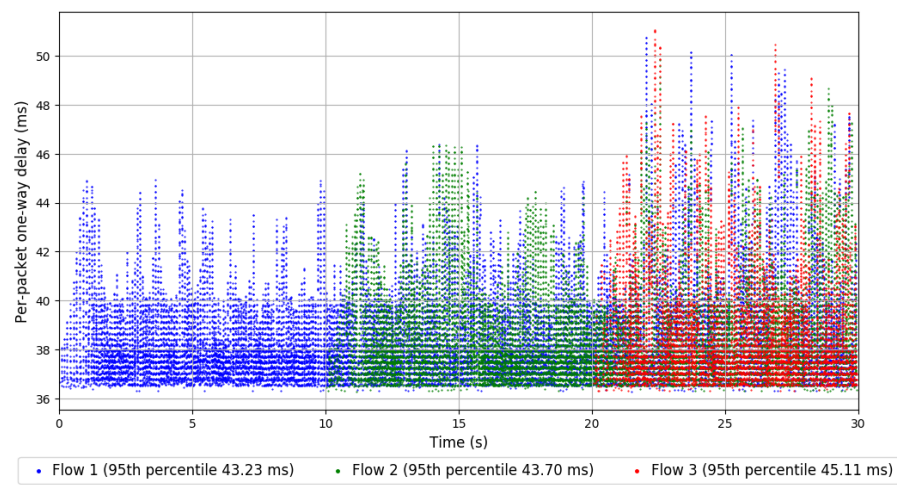
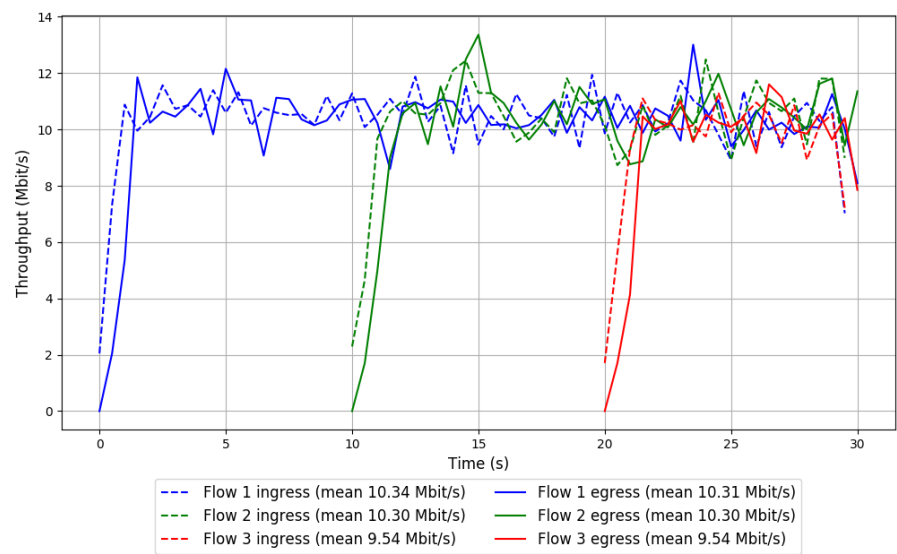
-- Flow 3:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: 45.114 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

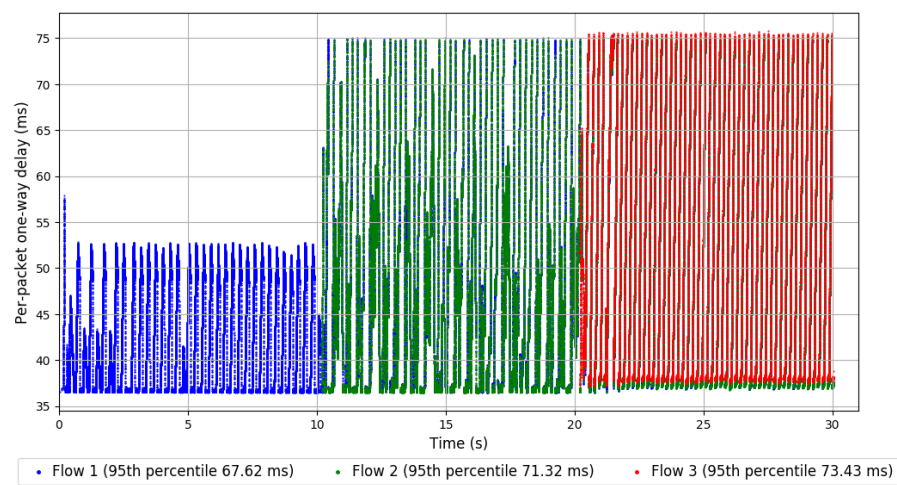
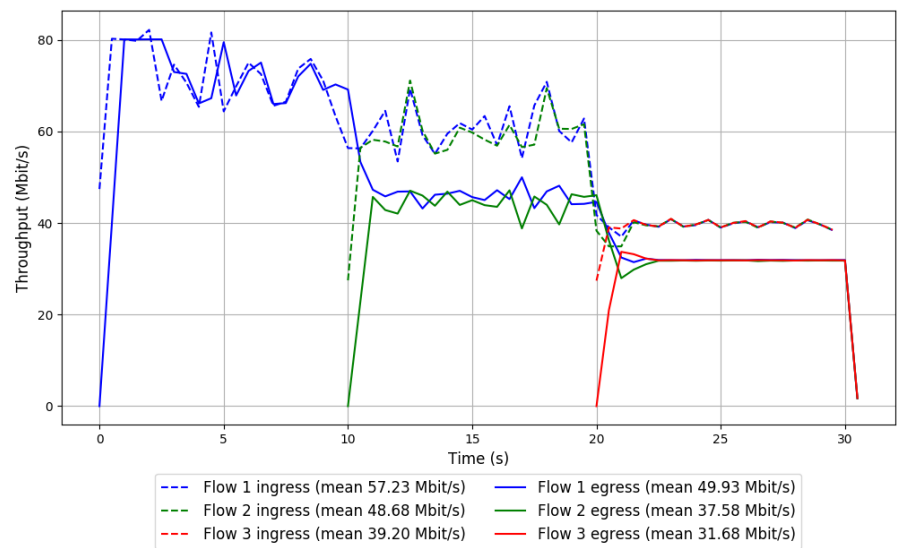


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-29 21:06:00
End at: 2018-06-29 21:06:30
Local clock offset: 0.236 ms
Remote clock offset: 7.239 ms

# Below is generated by plot.py at 2018-06-30 01:34:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 70.351 ms
Loss rate: 16.75%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 67.622 ms
Loss rate: 12.75%
-- Flow 2:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 71.321 ms
Loss rate: 22.81%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 73.431 ms
Loss rate: 19.23%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-29 21:31:49

End at: 2018-06-29 21:32:19

Local clock offset: -0.774 ms

Remote clock offset: 7.841 ms

Below is generated by plot.py at 2018-06-30 01:34:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 69.587 ms

Loss rate: 16.04%

-- Flow 1:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 67.447 ms

Loss rate: 12.29%

-- Flow 2:

Average throughput: 39.94 Mbit/s

95th percentile per-packet one-way delay: 70.974 ms

Loss rate: 21.73%

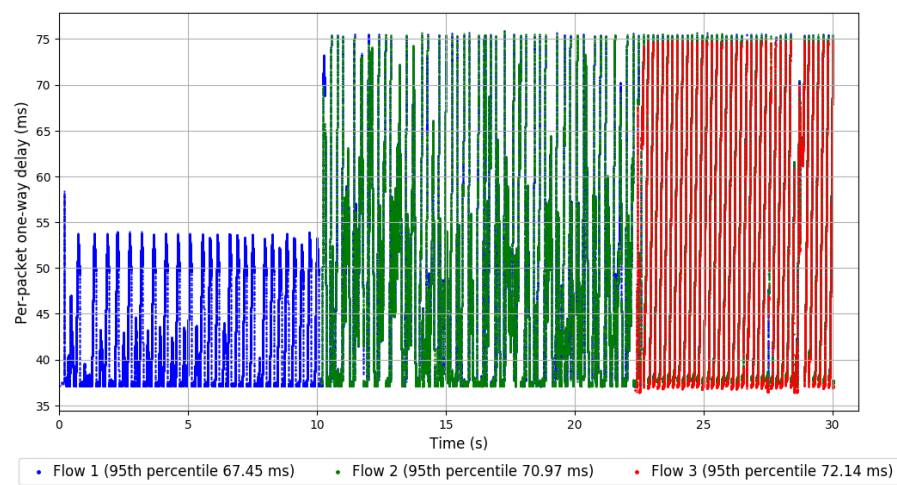
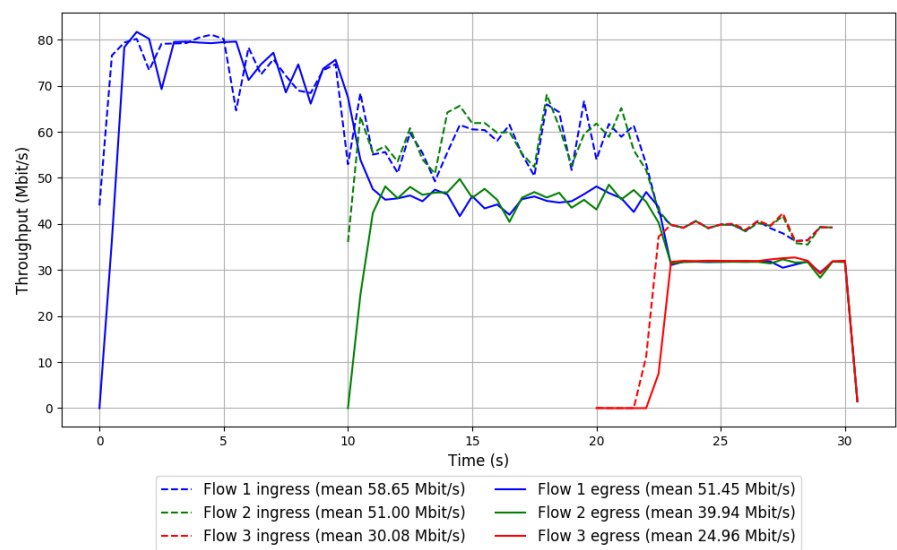
-- Flow 3:

Average throughput: 24.96 Mbit/s

95th percentile per-packet one-way delay: 72.135 ms

Loss rate: 18.73%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-29 21:57:52

End at: 2018-06-29 21:58:22

Local clock offset: 3.08 ms

Remote clock offset: 9.288 ms

Below is generated by plot.py at 2018-06-30 01:34:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 69.744 ms

Loss rate: 16.13%

-- Flow 1:

Average throughput: 51.18 Mbit/s

95th percentile per-packet one-way delay: 67.021 ms

Loss rate: 11.87%

-- Flow 2:

Average throughput: 38.19 Mbit/s

95th percentile per-packet one-way delay: 70.940 ms

Loss rate: 21.80%

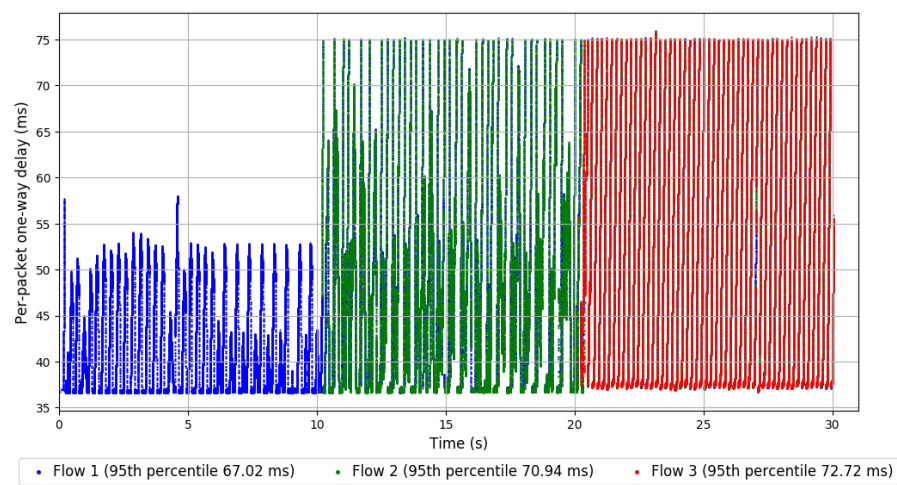
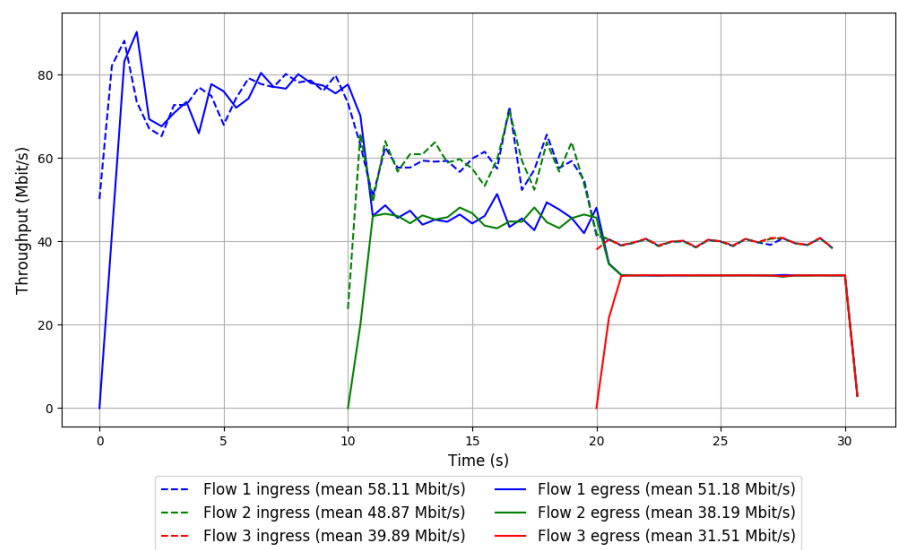
-- Flow 3:

Average throughput: 31.51 Mbit/s

95th percentile per-packet one-way delay: 72.716 ms

Loss rate: 20.87%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-29 22:23:21

End at: 2018-06-29 22:23:51

Local clock offset: 5.709 ms

Remote clock offset: 6.506 ms

Below is generated by plot.py at 2018-06-30 01:34:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.01 Mbit/s

95th percentile per-packet one-way delay: 70.634 ms

Loss rate: 15.59%

-- Flow 1:

Average throughput: 51.96 Mbit/s

95th percentile per-packet one-way delay: 67.917 ms

Loss rate: 11.66%

-- Flow 2:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 71.891 ms

Loss rate: 21.58%

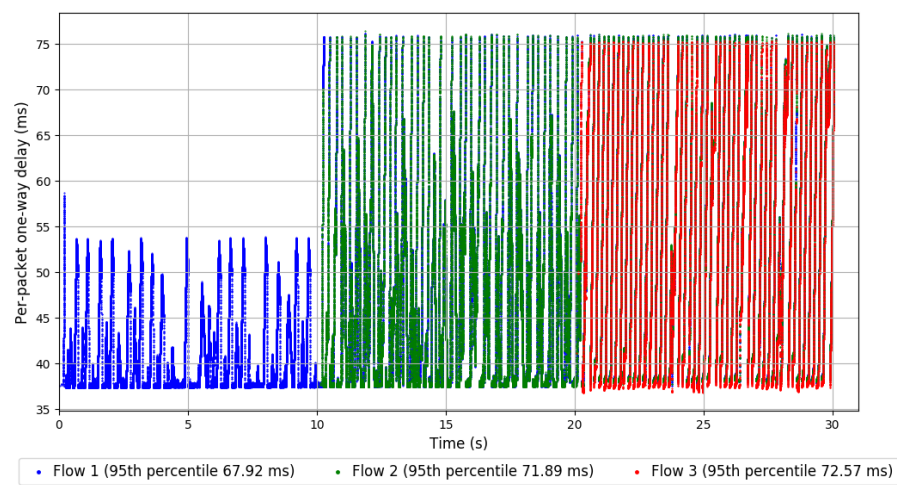
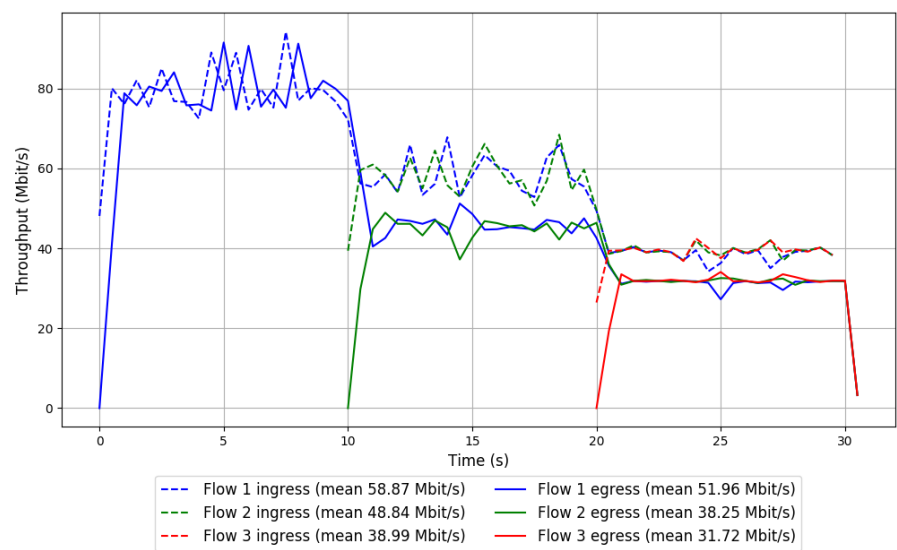
-- Flow 3:

Average throughput: 31.72 Mbit/s

95th percentile per-packet one-way delay: 72.574 ms

Loss rate: 18.44%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-29 22:50:40

End at: 2018-06-29 22:51:10

Local clock offset: 5.72 ms

Remote clock offset: 3.284 ms

Below is generated by plot.py at 2018-06-30 01:34:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 69.131 ms

Loss rate: 15.90%

-- Flow 1:

Average throughput: 53.06 Mbit/s

95th percentile per-packet one-way delay: 66.983 ms

Loss rate: 12.51%

-- Flow 2:

Average throughput: 40.80 Mbit/s

95th percentile per-packet one-way delay: 70.601 ms

Loss rate: 21.05%

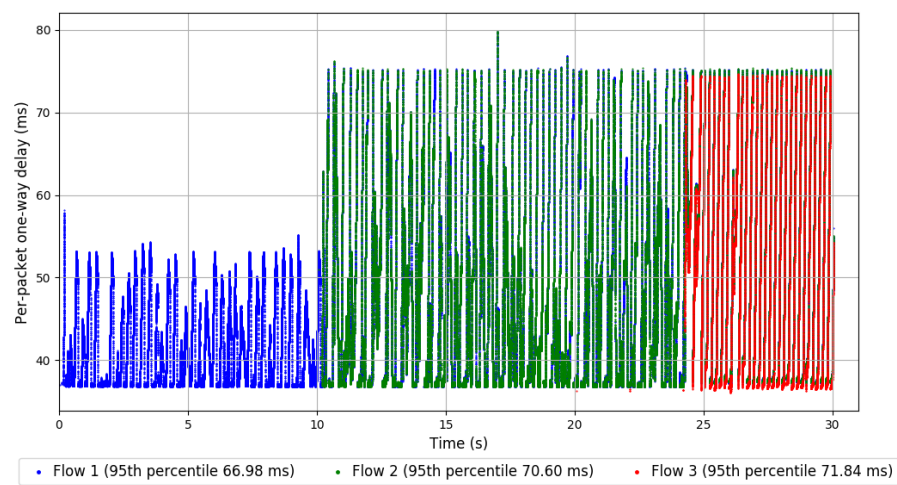
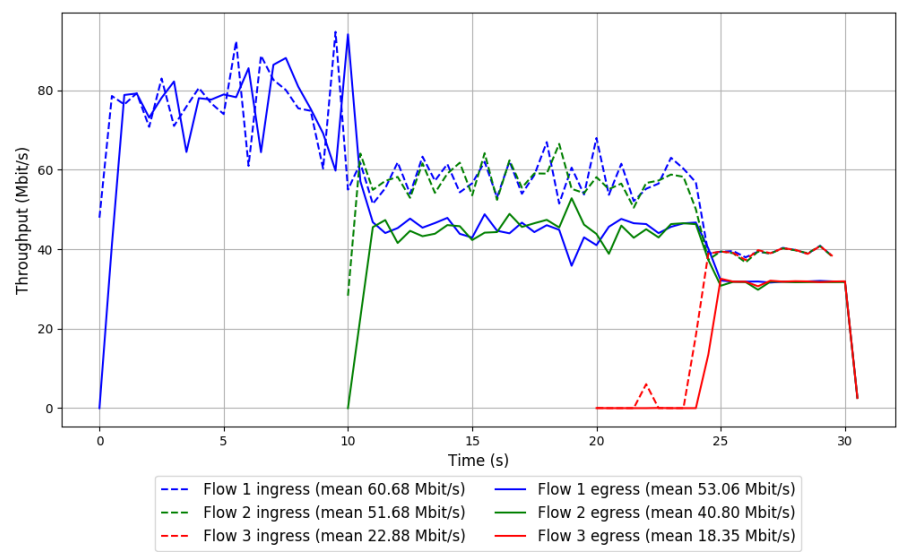
-- Flow 3:

Average throughput: 18.35 Mbit/s

95th percentile per-packet one-way delay: 71.837 ms

Loss rate: 19.65%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-29 23:17:19

End at: 2018-06-29 23:17:49

Local clock offset: 3.12 ms

Remote clock offset: 3.381 ms

Below is generated by plot.py at 2018-06-30 01:34:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 69.623 ms

Loss rate: 16.28%

-- Flow 1:

Average throughput: 51.91 Mbit/s

95th percentile per-packet one-way delay: 66.967 ms

Loss rate: 12.32%

-- Flow 2:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 70.472 ms

Loss rate: 21.84%

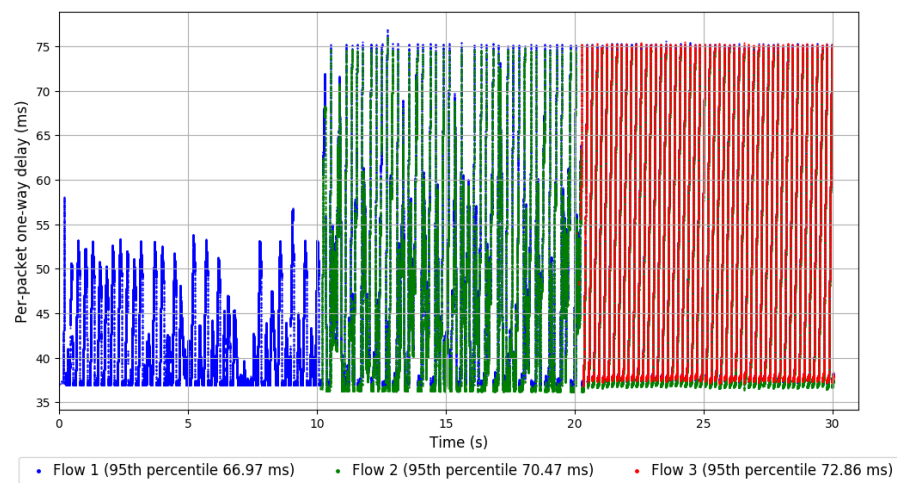
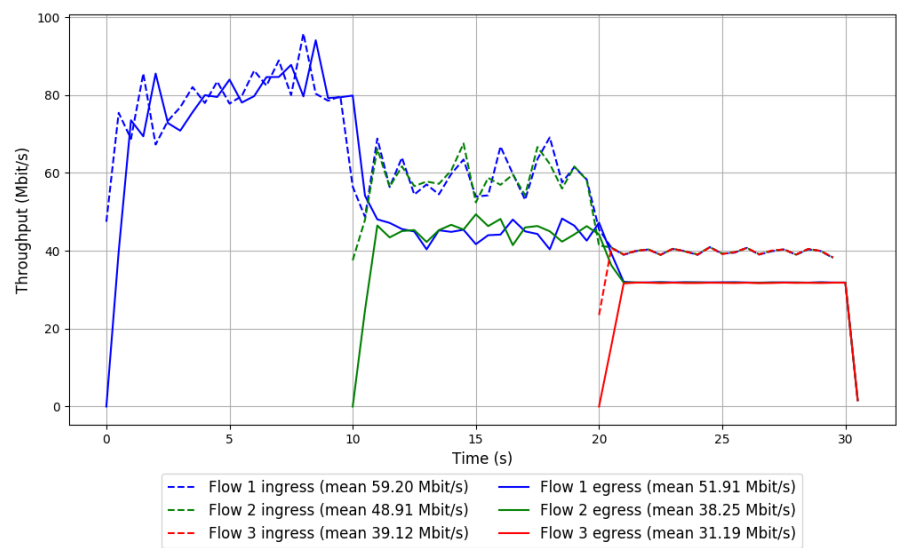
-- Flow 3:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 72.865 ms

Loss rate: 20.39%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-29 23:42:20

End at: 2018-06-29 23:42:50

Local clock offset: -0.165 ms

Remote clock offset: 3.901 ms

Below is generated by plot.py at 2018-06-30 01:34:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.47 Mbit/s

95th percentile per-packet one-way delay: 69.550 ms

Loss rate: 16.28%

-- Flow 1:

Average throughput: 52.58 Mbit/s

95th percentile per-packet one-way delay: 67.565 ms

Loss rate: 12.16%

-- Flow 2:

Average throughput: 40.09 Mbit/s

95th percentile per-packet one-way delay: 70.502 ms

Loss rate: 22.06%

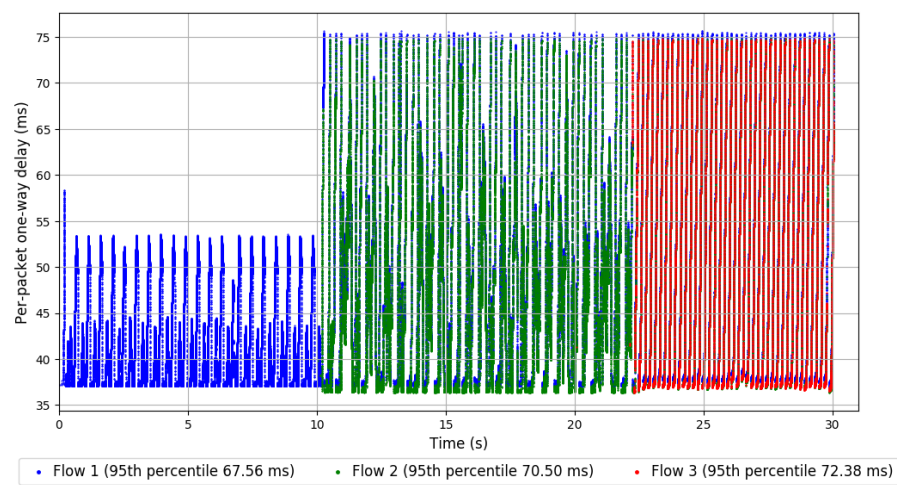
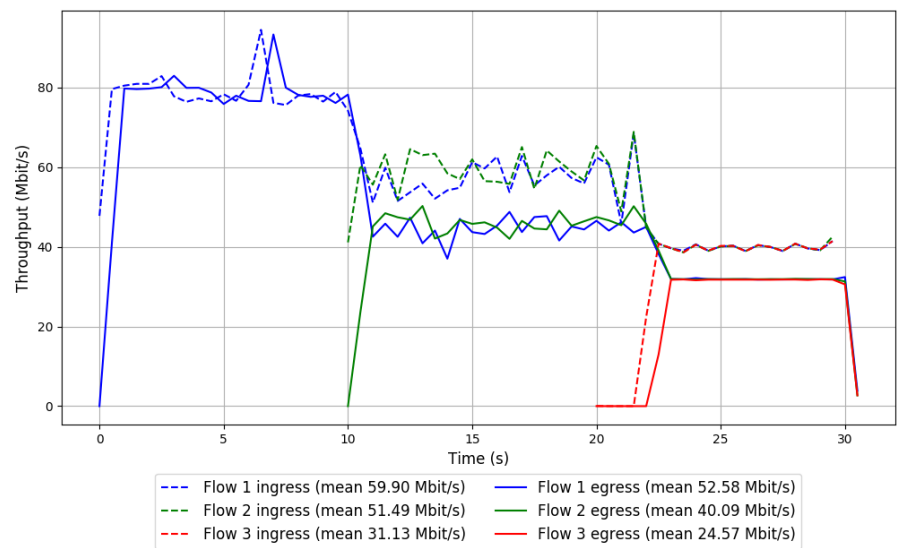
-- Flow 3:

Average throughput: 24.57 Mbit/s

95th percentile per-packet one-way delay: 72.379 ms

Loss rate: 20.95%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 00:07:08

End at: 2018-06-30 00:07:38

Local clock offset: -0.053 ms

Remote clock offset: 3.903 ms

Below is generated by plot.py at 2018-06-30 01:34:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 69.339 ms

Loss rate: 17.34%

-- Flow 1:

Average throughput: 51.59 Mbit/s

95th percentile per-packet one-way delay: 66.768 ms

Loss rate: 13.86%

-- Flow 2:

Average throughput: 41.29 Mbit/s

95th percentile per-packet one-way delay: 70.150 ms

Loss rate: 22.44%

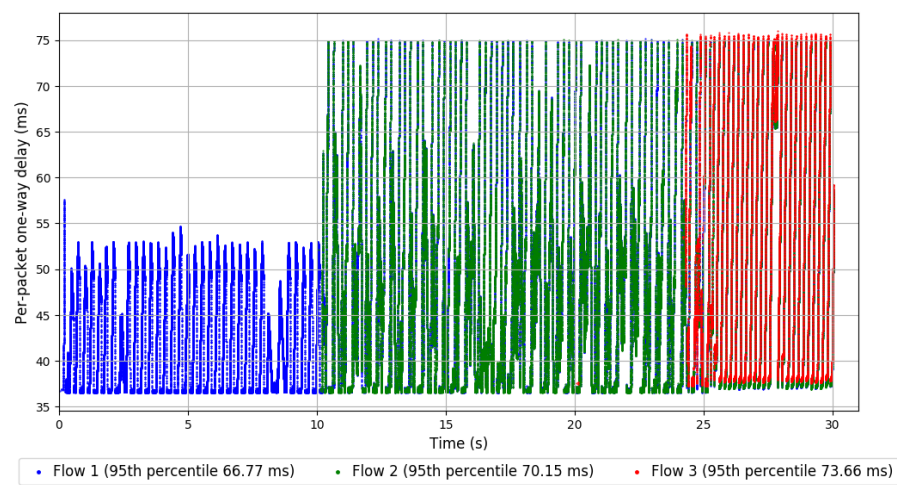
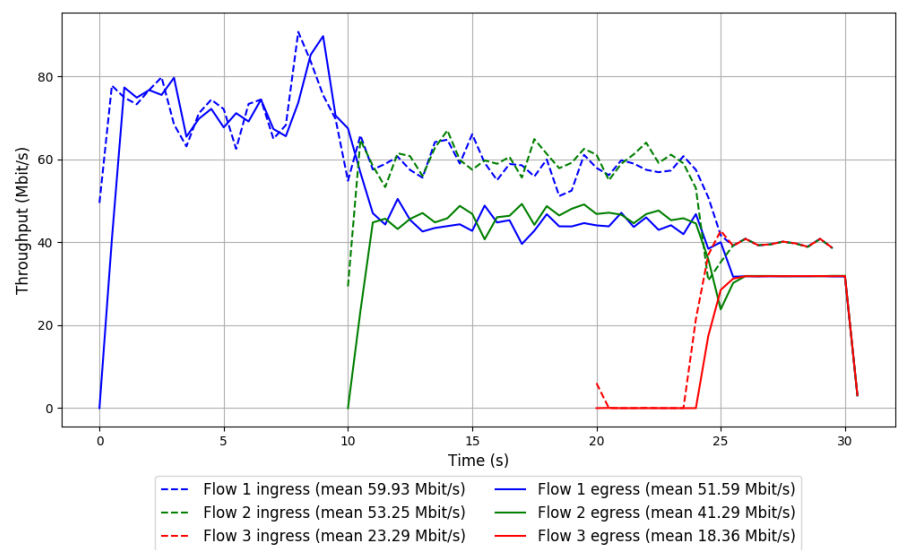
-- Flow 3:

Average throughput: 18.36 Mbit/s

95th percentile per-packet one-way delay: 73.664 ms

Loss rate: 20.99%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 00:32:46

End at: 2018-06-30 00:33:16

Local clock offset: 0.268 ms

Remote clock offset: 3.755 ms

Below is generated by plot.py at 2018-06-30 01:36:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 70.110 ms

Loss rate: 16.65%

-- Flow 1:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 67.250 ms

Loss rate: 12.46%

-- Flow 2:

Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 71.405 ms

Loss rate: 22.86%

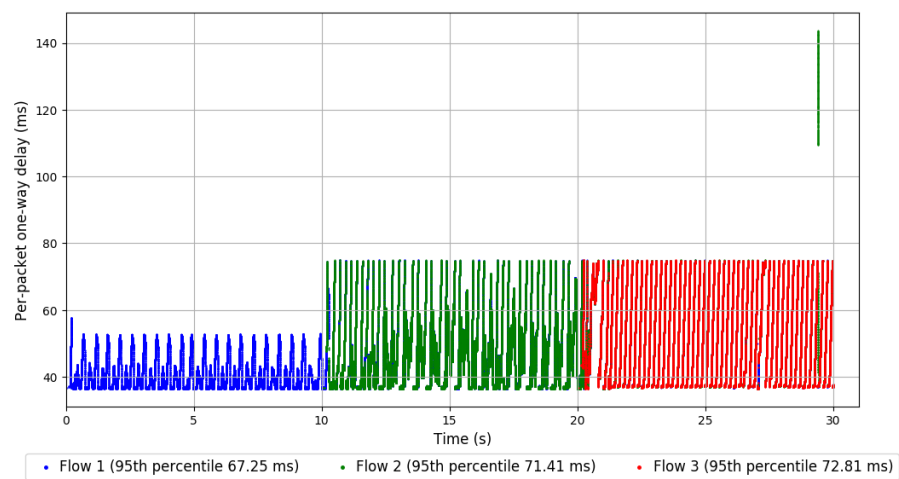
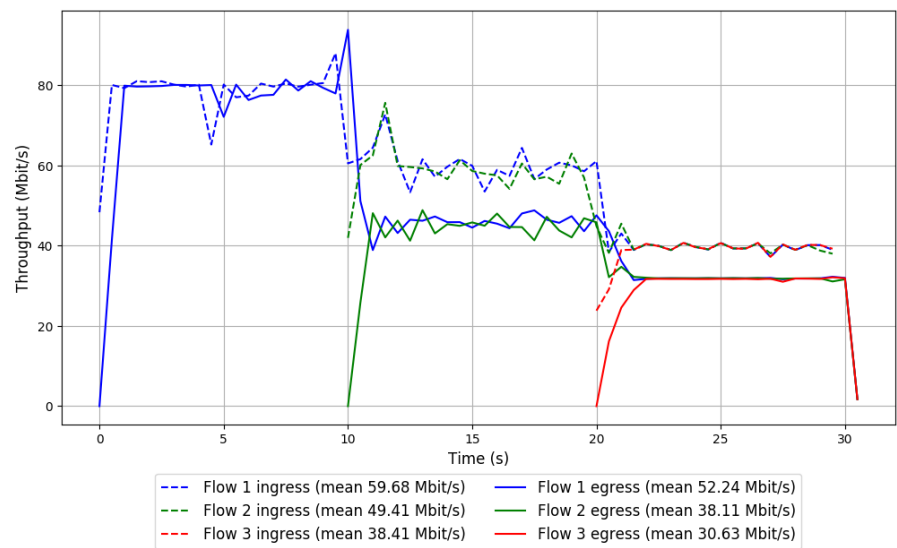
-- Flow 3:

Average throughput: 30.63 Mbit/s

95th percentile per-packet one-way delay: 72.807 ms

Loss rate: 20.26%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 00:57:57

End at: 2018-06-30 00:58:27

Local clock offset: 0.377 ms

Remote clock offset: 4.628 ms

Below is generated by plot.py at 2018-06-30 01:36:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.91 Mbit/s

95th percentile per-packet one-way delay: 67.460 ms

Loss rate: 15.56%

-- Flow 1:

Average throughput: 53.85 Mbit/s

95th percentile per-packet one-way delay: 65.927 ms

Loss rate: 12.36%

-- Flow 2:

Average throughput: 44.05 Mbit/s

95th percentile per-packet one-way delay: 69.123 ms

Loss rate: 20.86%

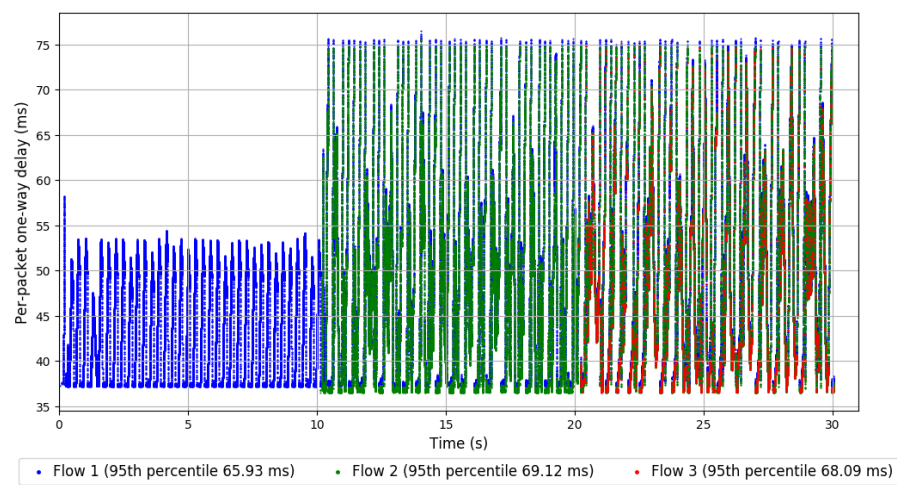
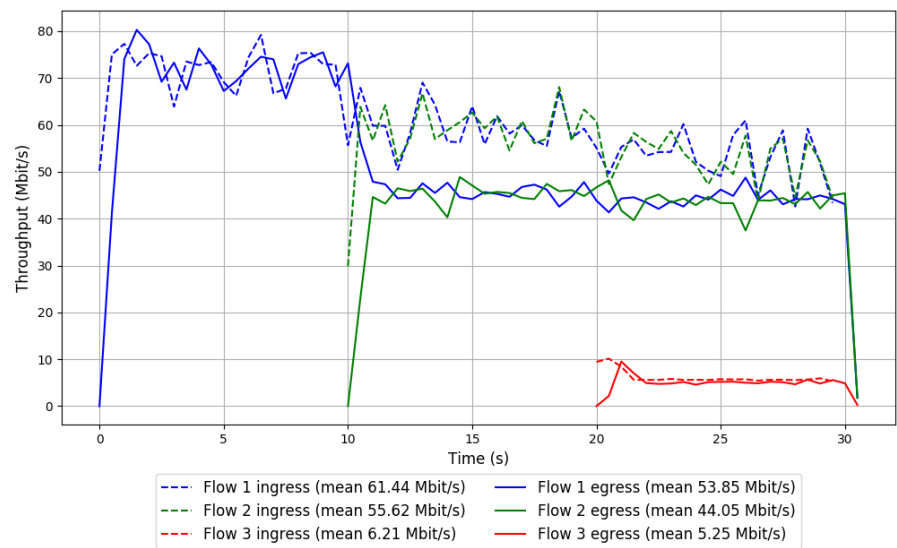
-- Flow 3:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 68.094 ms

Loss rate: 15.58%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-29 20:56:38

End at: 2018-06-29 20:57:08

Local clock offset: 1.25 ms

Remote clock offset: 7.127 ms

Below is generated by plot.py at 2018-06-30 01:36:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.75 Mbit/s

95th percentile per-packet one-way delay: 43.863 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 49.63 Mbit/s

95th percentile per-packet one-way delay: 43.904 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 43.15 Mbit/s

95th percentile per-packet one-way delay: 43.535 ms

Loss rate: 0.19%

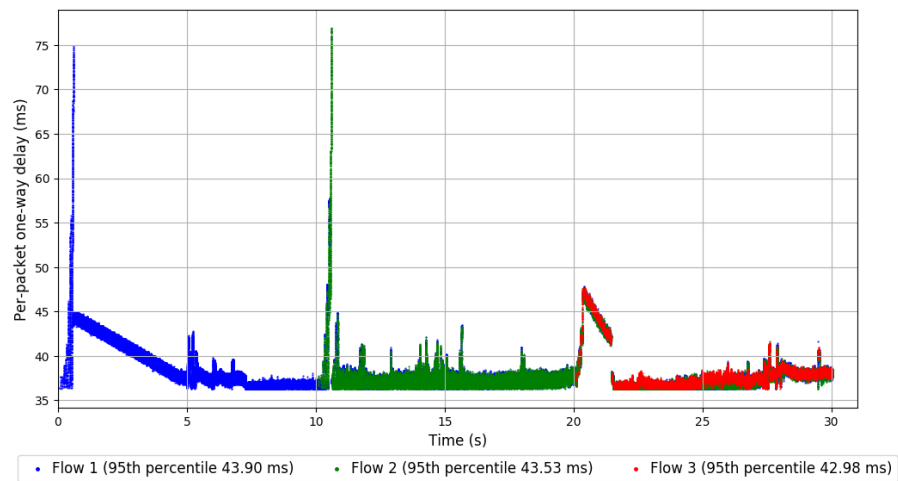
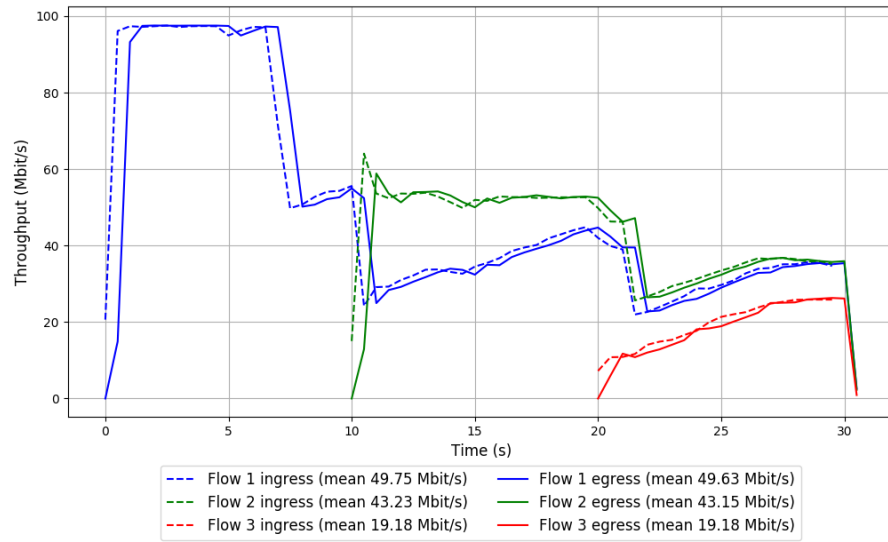
-- Flow 3:

Average throughput: 19.18 Mbit/s

95th percentile per-packet one-way delay: 42.984 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-29 21:22:16

End at: 2018-06-29 21:22:46

Local clock offset: -0.449 ms

Remote clock offset: 7.564 ms

Below is generated by plot.py at 2018-06-30 01:36:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.29 Mbit/s

95th percentile per-packet one-way delay: 51.245 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 54.58 Mbit/s

95th percentile per-packet one-way delay: 47.620 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 46.15 Mbit/s

95th percentile per-packet one-way delay: 51.848 ms

Loss rate: 0.10%

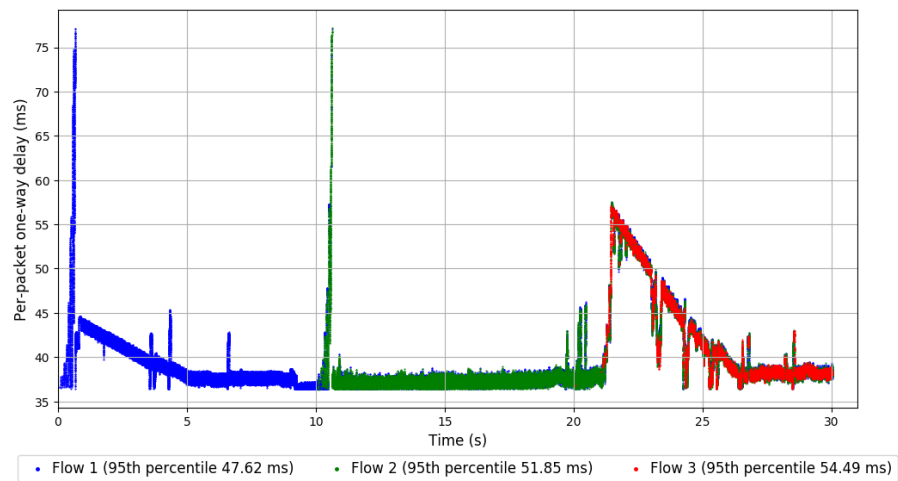
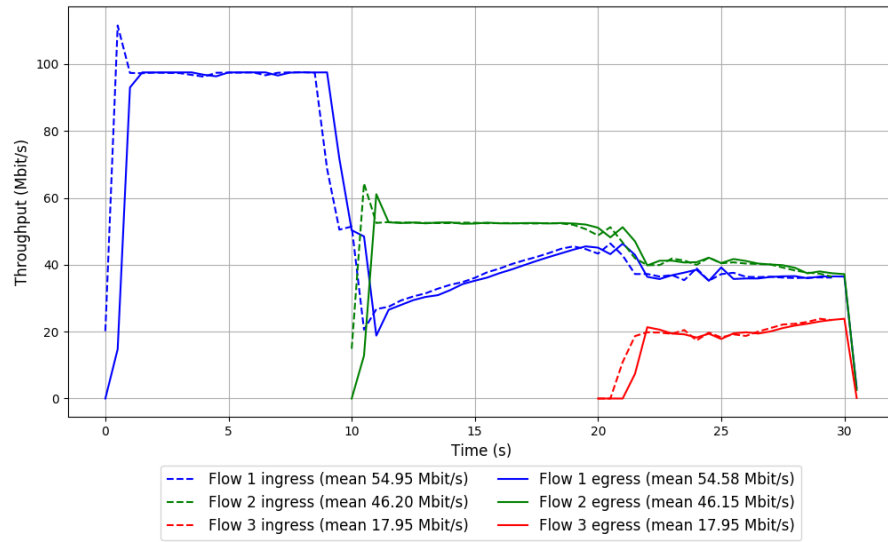
-- Flow 3:

Average throughput: 17.95 Mbit/s

95th percentile per-packet one-way delay: 54.486 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-29 21:48:24

End at: 2018-06-29 21:48:54

Local clock offset: 0.016 ms

Remote clock offset: 8.642 ms

Below is generated by plot.py at 2018-06-30 01:36:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.25 Mbit/s

95th percentile per-packet one-way delay: 42.909 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 43.47 Mbit/s

95th percentile per-packet one-way delay: 43.405 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 35.93 Mbit/s

95th percentile per-packet one-way delay: 39.394 ms

Loss rate: 0.45%

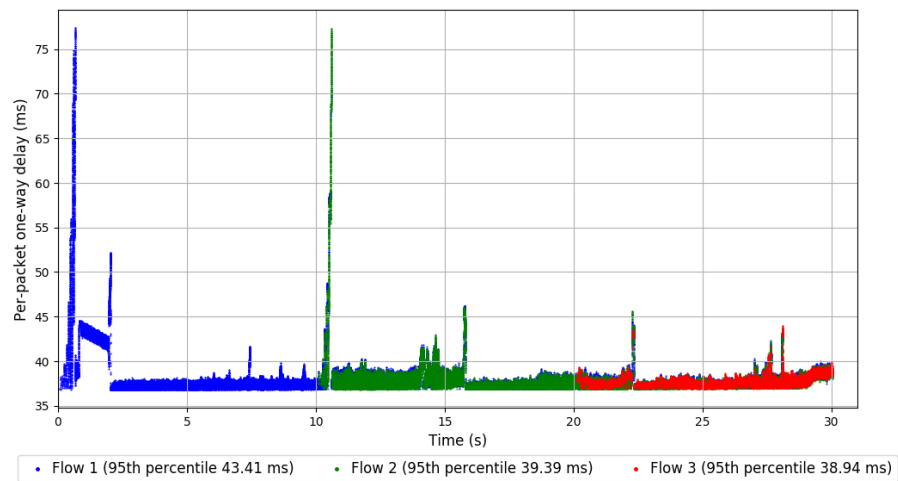
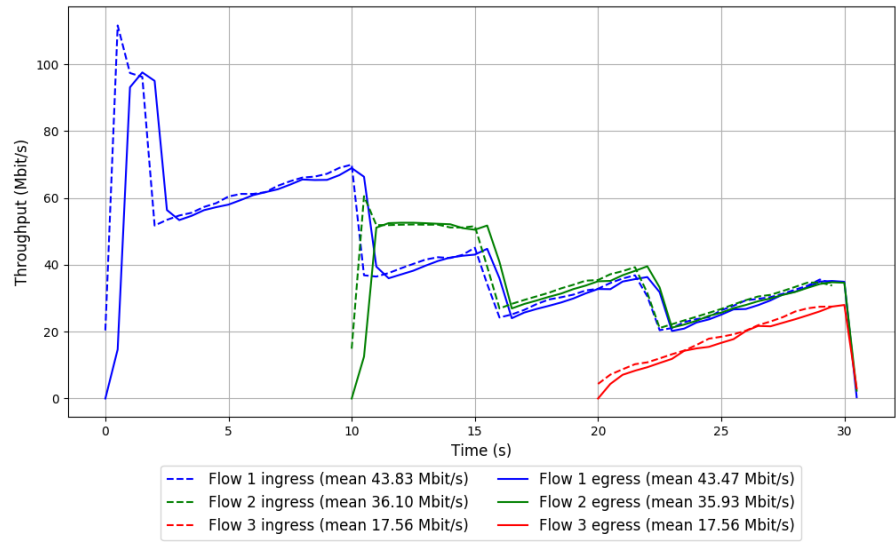
-- Flow 3:

Average throughput: 17.56 Mbit/s

95th percentile per-packet one-way delay: 38.936 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-29 22:13:54

End at: 2018-06-29 22:14:24

Local clock offset: 5.116 ms

Remote clock offset: 9.978 ms

Below is generated by plot.py at 2018-06-30 01:36:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 43.244 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 40.10 Mbit/s

95th percentile per-packet one-way delay: 43.820 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 38.599 ms

Loss rate: 0.25%

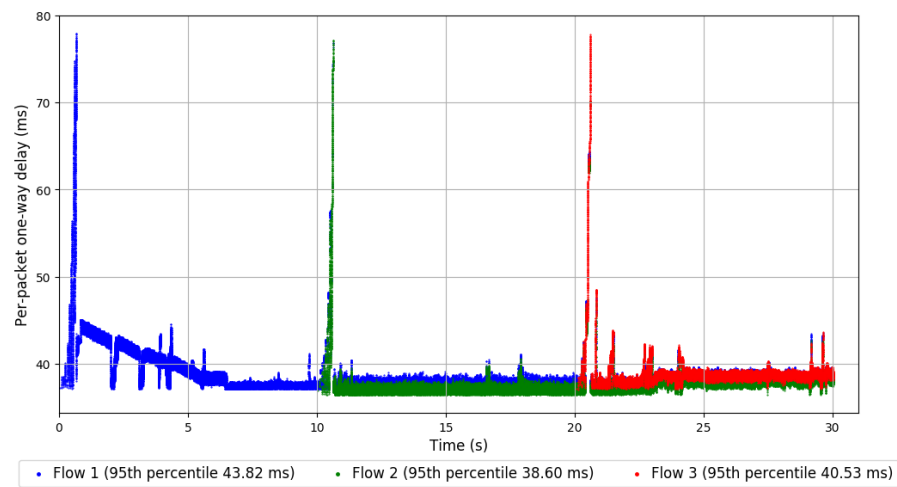
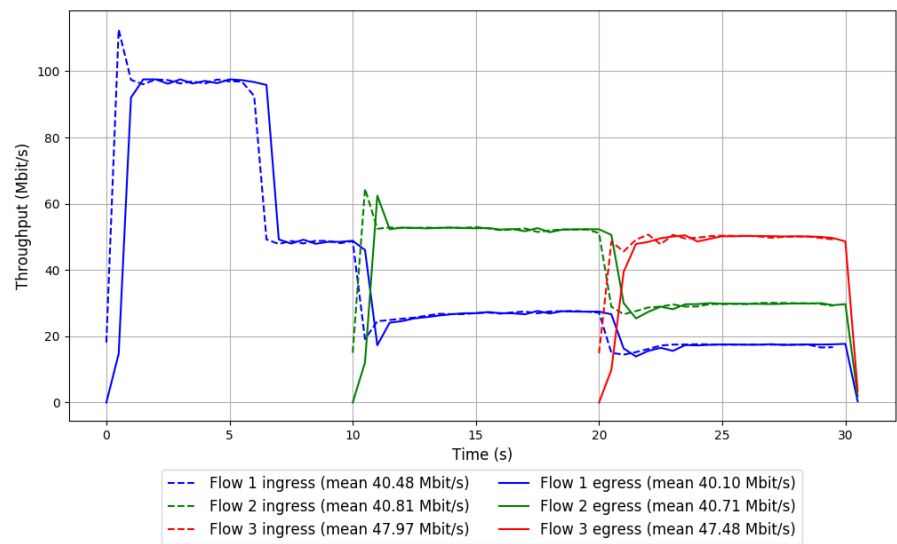
-- Flow 3:

Average throughput: 47.48 Mbit/s

95th percentile per-packet one-way delay: 40.532 ms

Loss rate: 0.99%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-29 22:40:04

End at: 2018-06-29 22:40:34

Local clock offset: 6.84 ms

Remote clock offset: 3.717 ms

Below is generated by plot.py at 2018-06-30 01:36:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.20 Mbit/s

95th percentile per-packet one-way delay: 51.844 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 57.09 Mbit/s

95th percentile per-packet one-way delay: 50.642 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 29.85 Mbit/s

95th percentile per-packet one-way delay: 52.754 ms

Loss rate: 0.01%

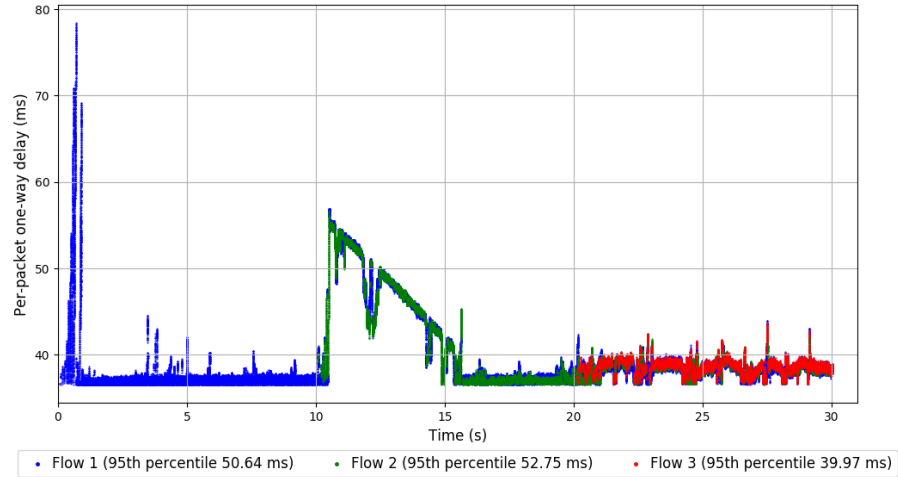
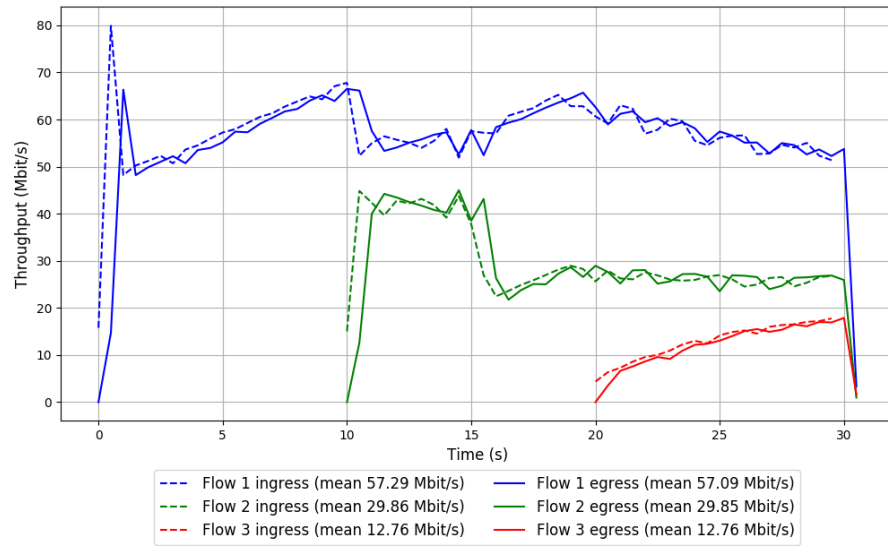
-- Flow 3:

Average throughput: 12.76 Mbit/s

95th percentile per-packet one-way delay: 39.973 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-29 23:07:46

End at: 2018-06-29 23:08:16

Local clock offset: 3.881 ms

Remote clock offset: 3.39 ms

Below is generated by plot.py at 2018-06-30 01:36:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.36 Mbit/s

95th percentile per-packet one-way delay: 46.933 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 81.60 Mbit/s

95th percentile per-packet one-way delay: 46.095 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 10.89 Mbit/s

95th percentile per-packet one-way delay: 46.928 ms

Loss rate: 0.01%

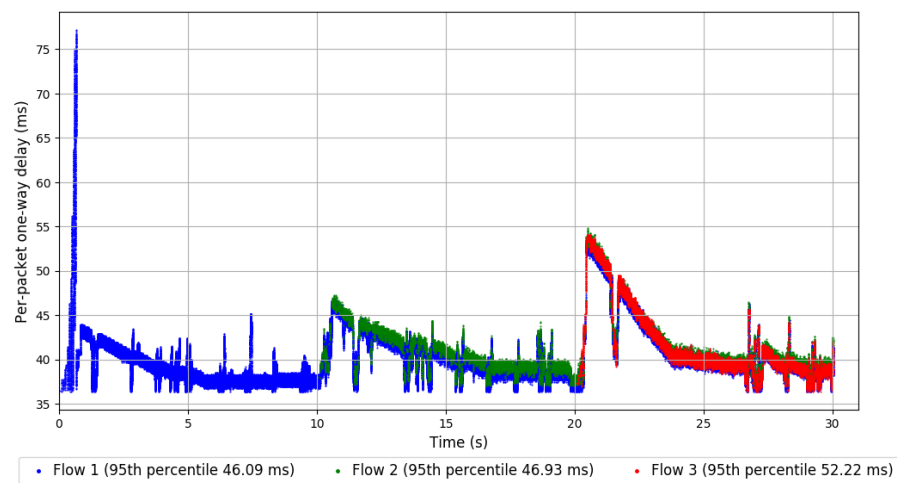
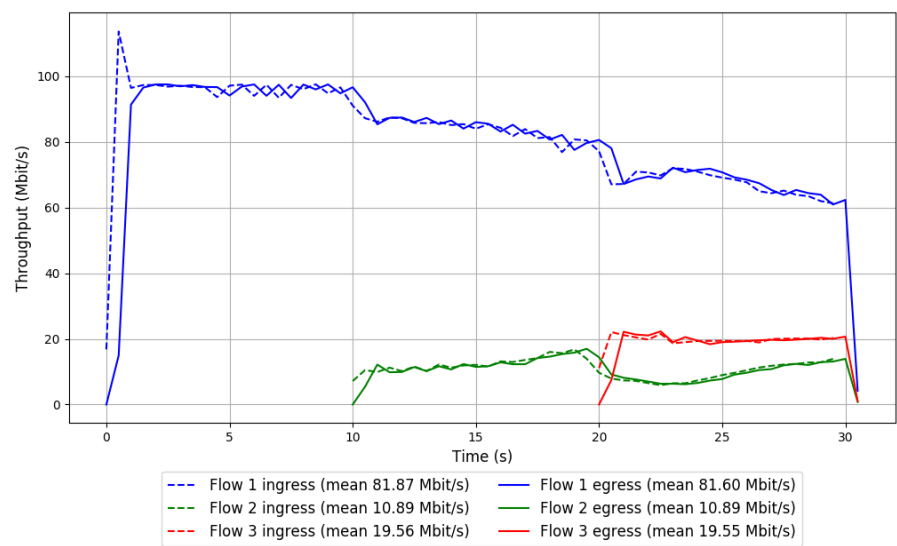
-- Flow 3:

Average throughput: 19.55 Mbit/s

95th percentile per-packet one-way delay: 52.220 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-29 23:33:15

End at: 2018-06-29 23:33:45

Local clock offset: 0.488 ms

Remote clock offset: 3.712 ms

Below is generated by plot.py at 2018-06-30 01:36:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 50.283 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 80.57 Mbit/s

95th percentile per-packet one-way delay: 49.012 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 13.90 Mbit/s

95th percentile per-packet one-way delay: 51.976 ms

Loss rate: 0.00%

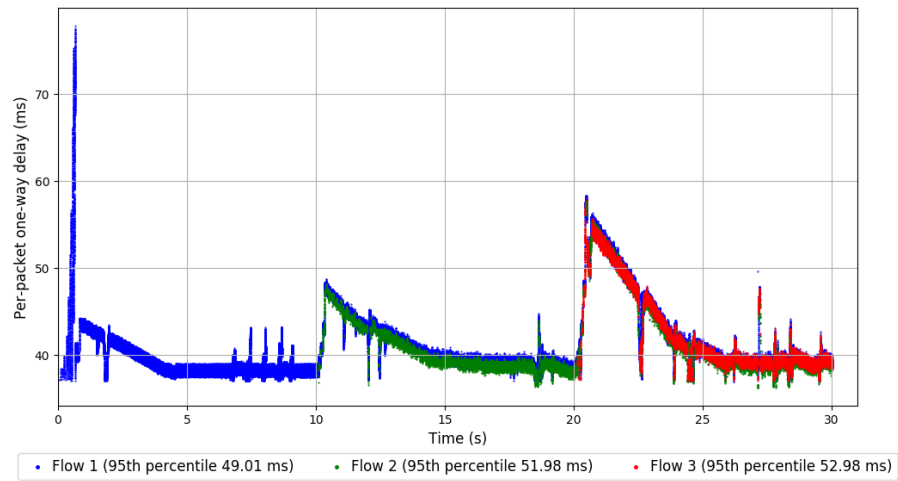
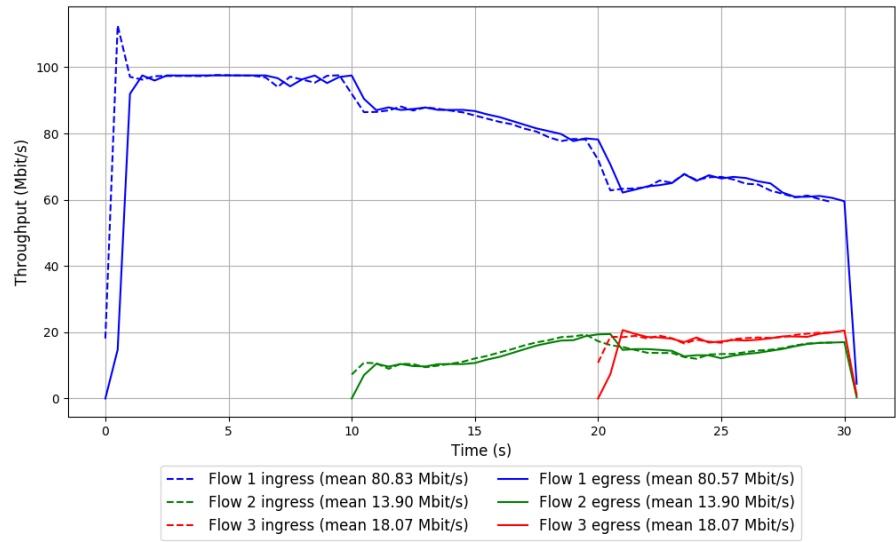
-- Flow 3:

Average throughput: 18.07 Mbit/s

95th percentile per-packet one-way delay: 52.980 ms

Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-29 23:57:54

End at: 2018-06-29 23:58:24

Local clock offset: 0.053 ms

Remote clock offset: 4.175 ms

Below is generated by plot.py at 2018-06-30 01:36:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.71 Mbit/s

95th percentile per-packet one-way delay: 52.062 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 53.47 Mbit/s

95th percentile per-packet one-way delay: 52.818 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 37.31 Mbit/s

95th percentile per-packet one-way delay: 51.606 ms

Loss rate: 0.02%

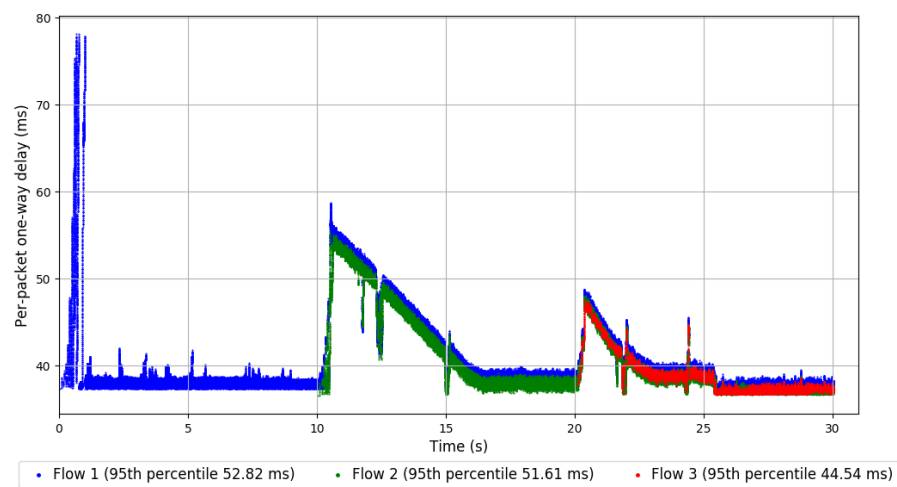
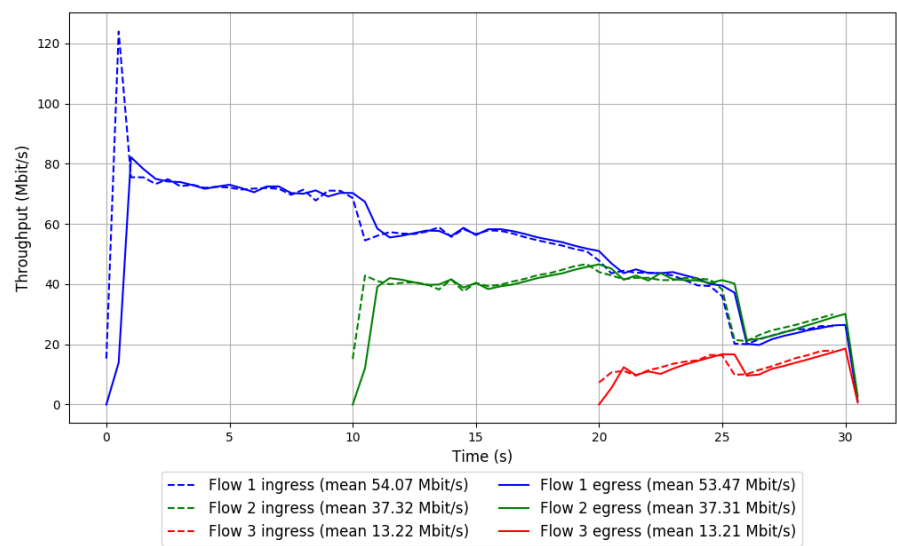
-- Flow 3:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 44.538 ms

Loss rate: 0.03%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 00:23:06

End at: 2018-06-30 00:23:36

Local clock offset: 0.11 ms

Remote clock offset: 3.818 ms

Below is generated by plot.py at 2018-06-30 01:36:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 51.469 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 80.37 Mbit/s

95th percentile per-packet one-way delay: 49.503 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 14.02 Mbit/s

95th percentile per-packet one-way delay: 53.760 ms

Loss rate: 0.00%

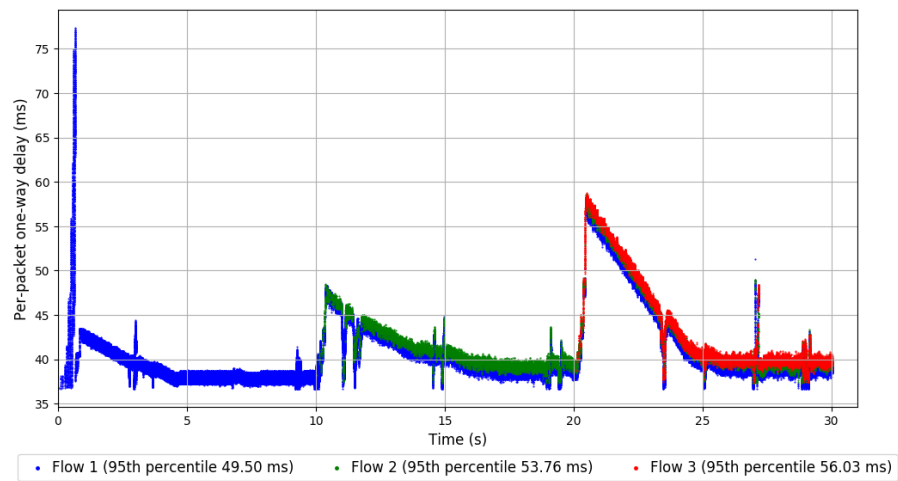
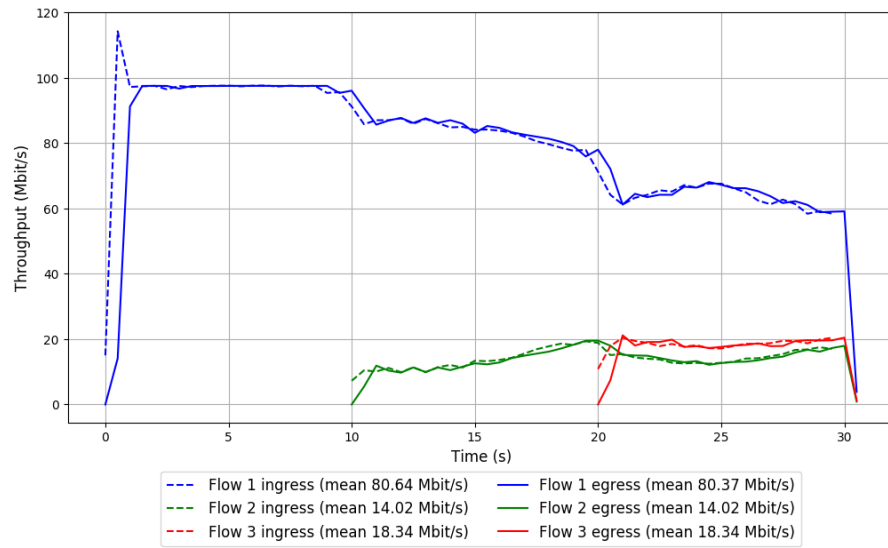
-- Flow 3:

Average throughput: 18.34 Mbit/s

95th percentile per-packet one-way delay: 56.030 ms

Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 00:48:45

End at: 2018-06-30 00:49:15

Local clock offset: 0.098 ms

Remote clock offset: 4.459 ms

Below is generated by plot.py at 2018-06-30 01:36:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 53.023 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 52.994 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 24.93 Mbit/s

95th percentile per-packet one-way delay: 53.576 ms

Loss rate: 0.00%

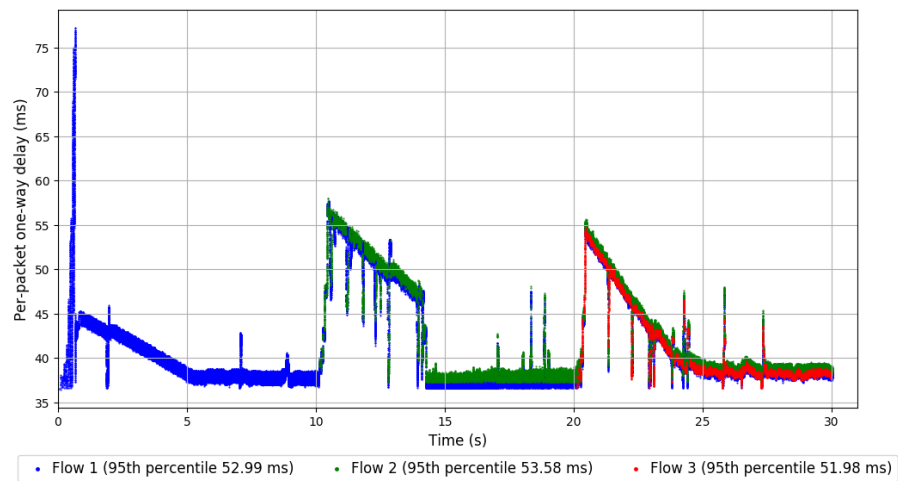
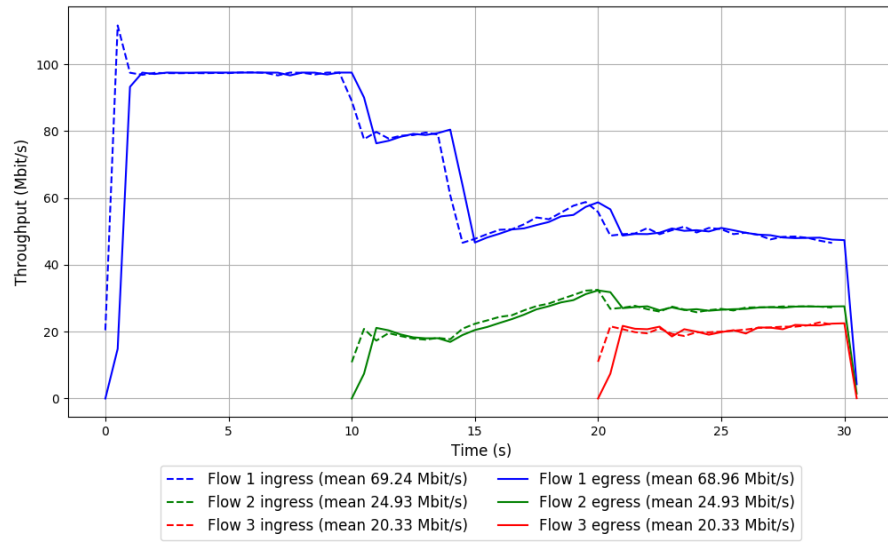
-- Flow 3:

Average throughput: 20.33 Mbit/s

95th percentile per-packet one-way delay: 51.976 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-29 21:04:30

End at: 2018-06-29 21:05:00

Local clock offset: 0.341 ms

Remote clock offset: 7.197 ms

Below is generated by plot.py at 2018-06-30 01:36:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.60 Mbit/s

95th percentile per-packet one-way delay: 72.904 ms

Loss rate: 33.04%

-- Flow 1:

Average throughput: 47.19 Mbit/s

95th percentile per-packet one-way delay: 73.256 ms

Loss rate: 33.17%

-- Flow 2:

Average throughput: 25.08 Mbit/s

95th percentile per-packet one-way delay: 71.810 ms

Loss rate: 32.91%

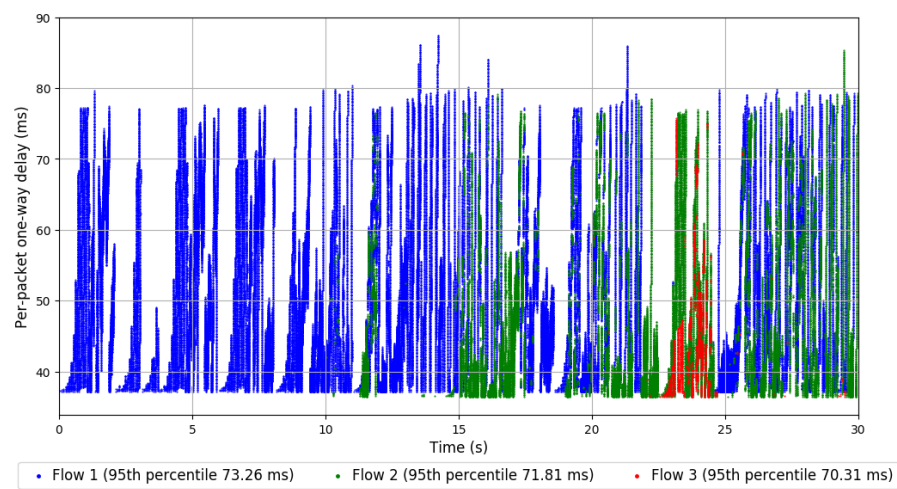
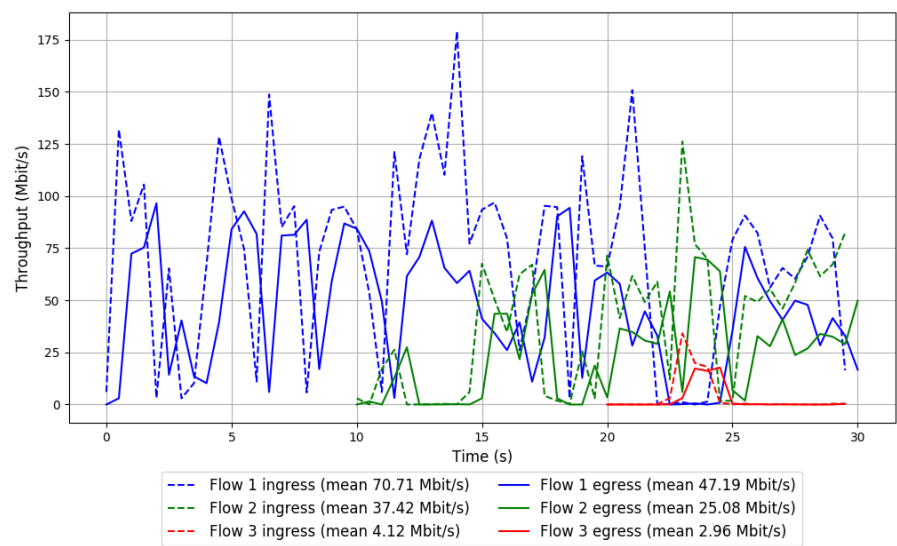
-- Flow 3:

Average throughput: 2.96 Mbit/s

95th percentile per-packet one-way delay: 70.311 ms

Loss rate: 28.98%

Run 1: Report of Verus — Data Link

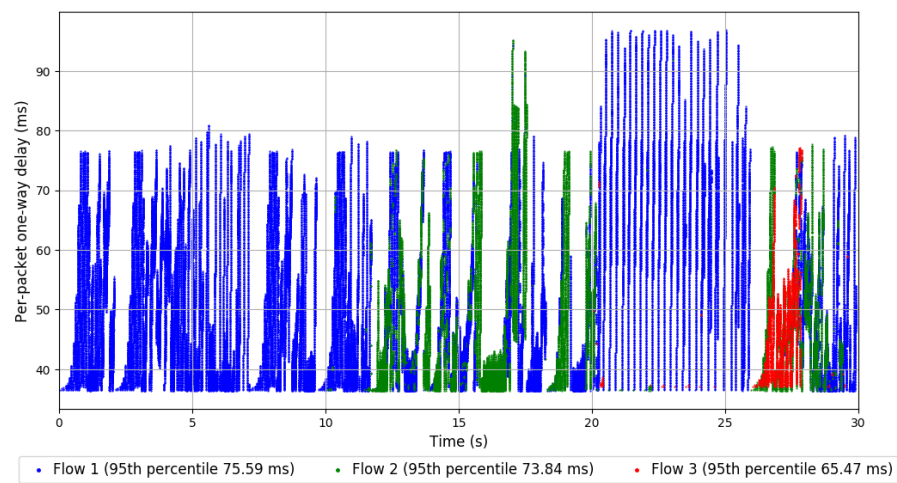
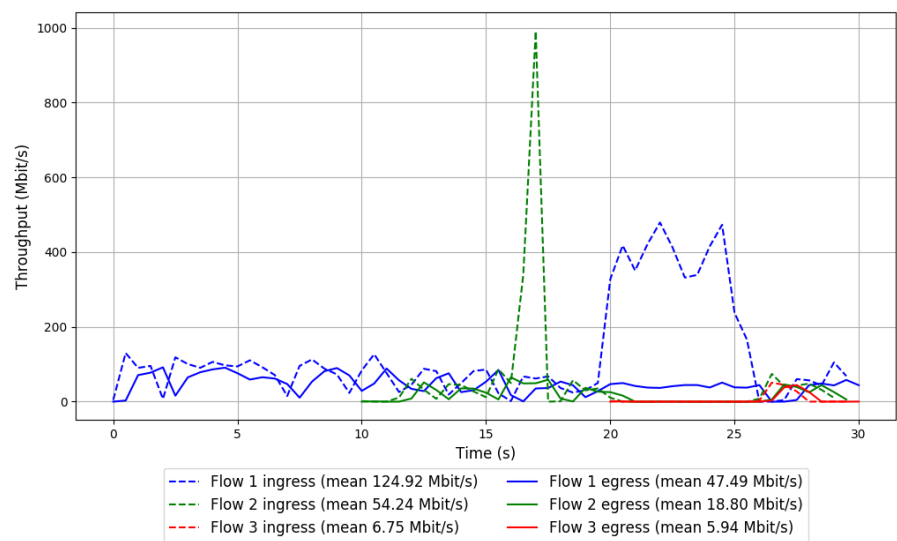


Run 2: Statistics of Verus

Start at: 2018-06-29 21:30:20
End at: 2018-06-29 21:30:50
Local clock offset: -0.719 ms
Remote clock offset: 7.775 ms

Below is generated by plot.py at 2018-06-30 01:37:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.56 Mbit/s
95th percentile per-packet one-way delay: 75.112 ms
Loss rate: 62.06%
-- Flow 1:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 75.593 ms
Loss rate: 61.96%
-- Flow 2:
Average throughput: 18.80 Mbit/s
95th percentile per-packet one-way delay: 73.843 ms
Loss rate: 65.45%
-- Flow 3:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 65.467 ms
Loss rate: 12.73%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-29 21:56:18

End at: 2018-06-29 21:56:48

Local clock offset: 2.704 ms

Remote clock offset: 9.217 ms

Below is generated by plot.py at 2018-06-30 01:37:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.95 Mbit/s

95th percentile per-packet one-way delay: 74.100 ms

Loss rate: 36.39%

-- Flow 1:

Average throughput: 41.76 Mbit/s

95th percentile per-packet one-way delay: 74.644 ms

Loss rate: 40.98%

-- Flow 2:

Average throughput: 30.13 Mbit/s

95th percentile per-packet one-way delay: 72.704 ms

Loss rate: 24.66%

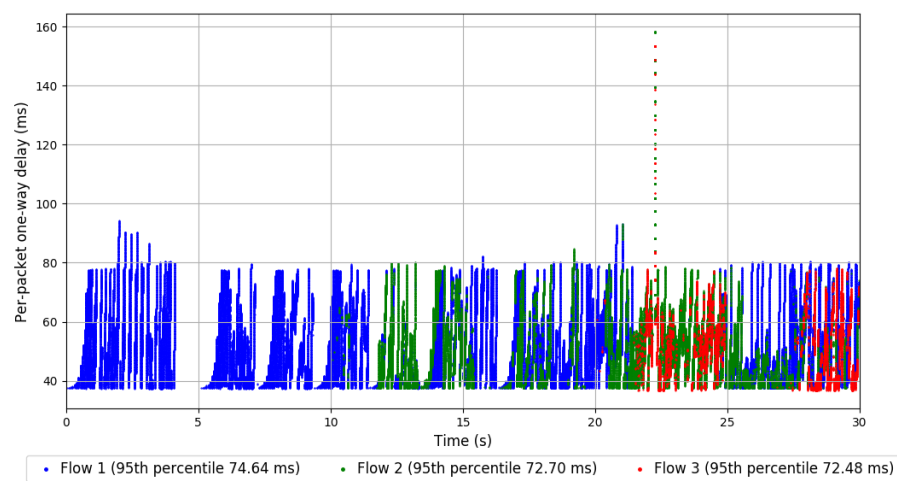
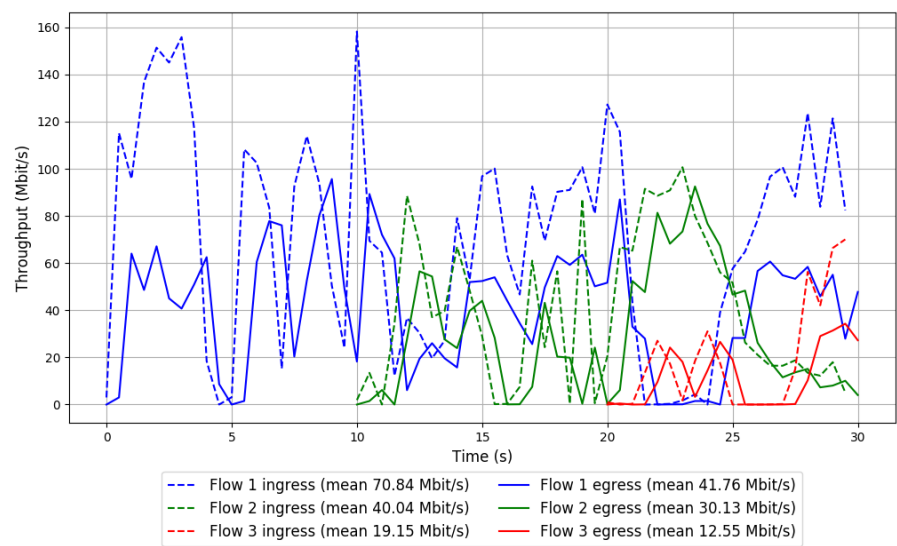
-- Flow 3:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 72.478 ms

Loss rate: 34.40%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-29 22:21:45

End at: 2018-06-29 22:22:15

Local clock offset: 5.678 ms

Remote clock offset: 7.116 ms

Below is generated by plot.py at 2018-06-30 01:37:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.73 Mbit/s

95th percentile per-packet one-way delay: 75.601 ms

Loss rate: 54.97%

-- Flow 1:

Average throughput: 35.08 Mbit/s

95th percentile per-packet one-way delay: 72.308 ms

Loss rate: 21.67%

-- Flow 2:

Average throughput: 28.75 Mbit/s

95th percentile per-packet one-way delay: 80.356 ms

Loss rate: 72.06%

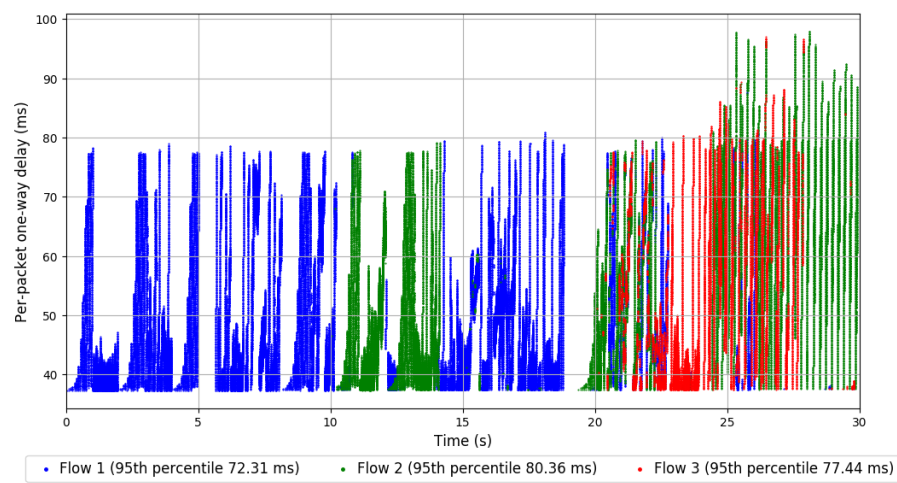
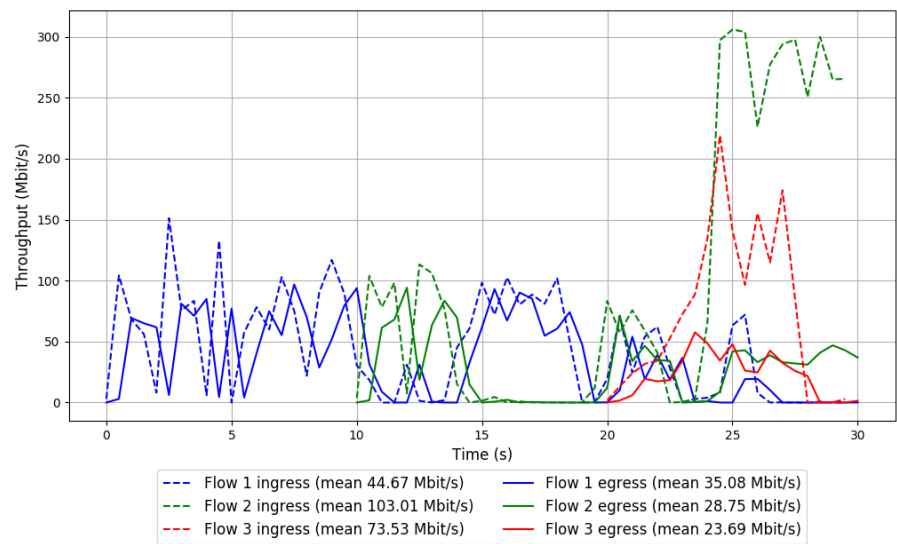
-- Flow 3:

Average throughput: 23.69 Mbit/s

95th percentile per-packet one-way delay: 77.438 ms

Loss rate: 68.06%

Run 4: Report of Verus — Data Link

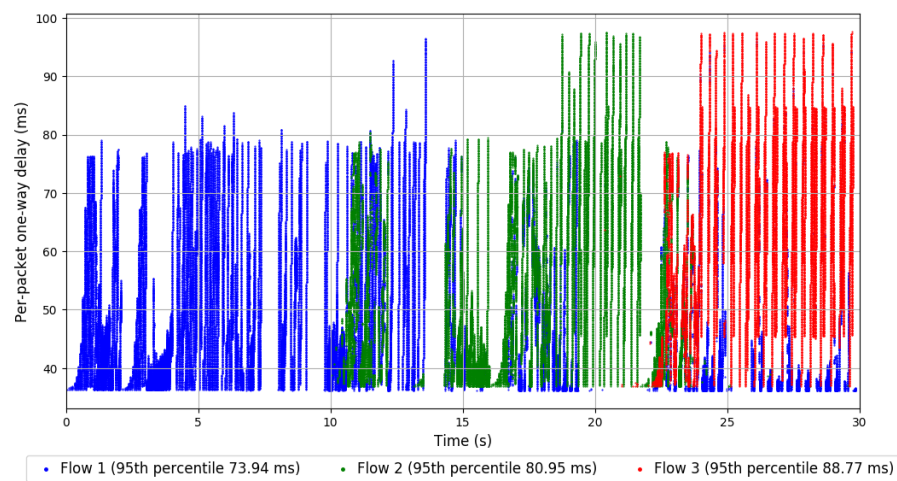
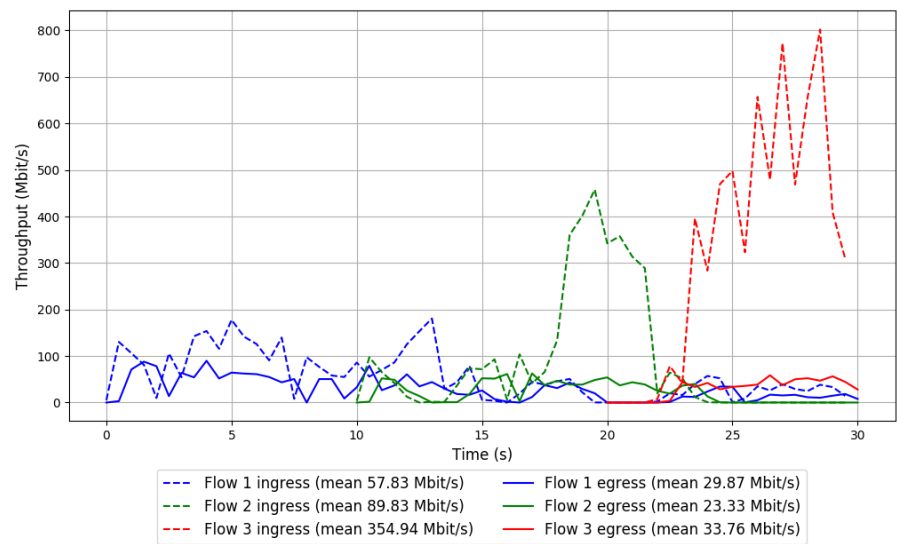


Run 5: Statistics of Verus

Start at: 2018-06-29 22:49:02
End at: 2018-06-29 22:49:32
Local clock offset: 6.172 ms
Remote clock offset: 3.422 ms

```
# Below is generated by plot.py at 2018-06-30 01:37:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.76 Mbit/s
95th percentile per-packet one-way delay: 79.132 ms
Loss rate: 75.58%
-- Flow 1:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 73.942 ms
Loss rate: 48.35%
-- Flow 2:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 80.950 ms
Loss rate: 74.12%
-- Flow 3:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 88.772 ms
Loss rate: 90.47%
```

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-29 23:15:41

End at: 2018-06-29 23:16:11

Local clock offset: 3.596 ms

Remote clock offset: 3.413 ms

Below is generated by plot.py at 2018-06-30 01:37:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.21 Mbit/s

95th percentile per-packet one-way delay: 72.633 ms

Loss rate: 36.13%

-- Flow 1:

Average throughput: 42.13 Mbit/s

95th percentile per-packet one-way delay: 72.242 ms

Loss rate: 31.46%

-- Flow 2:

Average throughput: 26.14 Mbit/s

95th percentile per-packet one-way delay: 73.381 ms

Loss rate: 44.12%

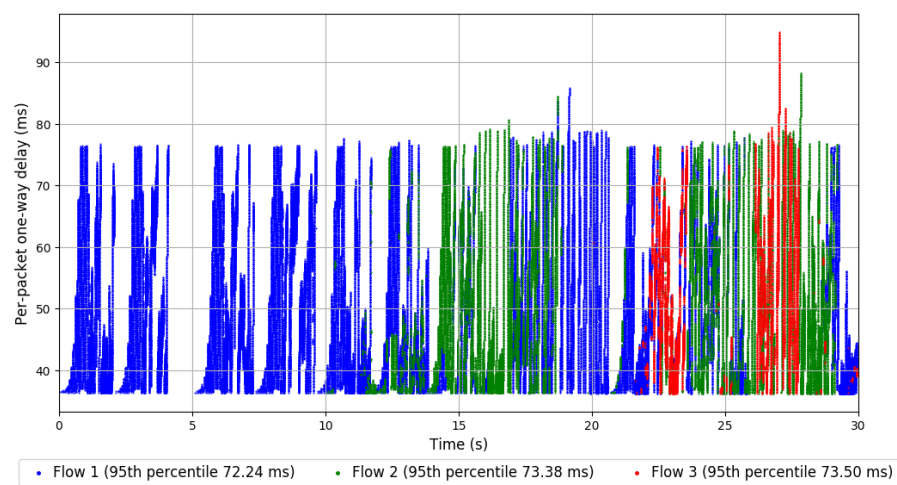
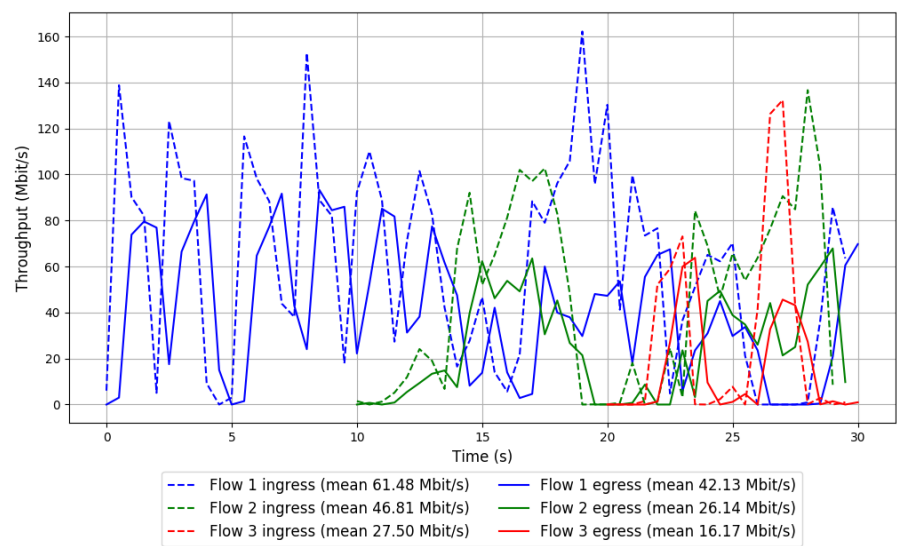
-- Flow 3:

Average throughput: 16.17 Mbit/s

95th percentile per-packet one-way delay: 73.500 ms

Loss rate: 41.31%

Run 6: Report of Verus — Data Link

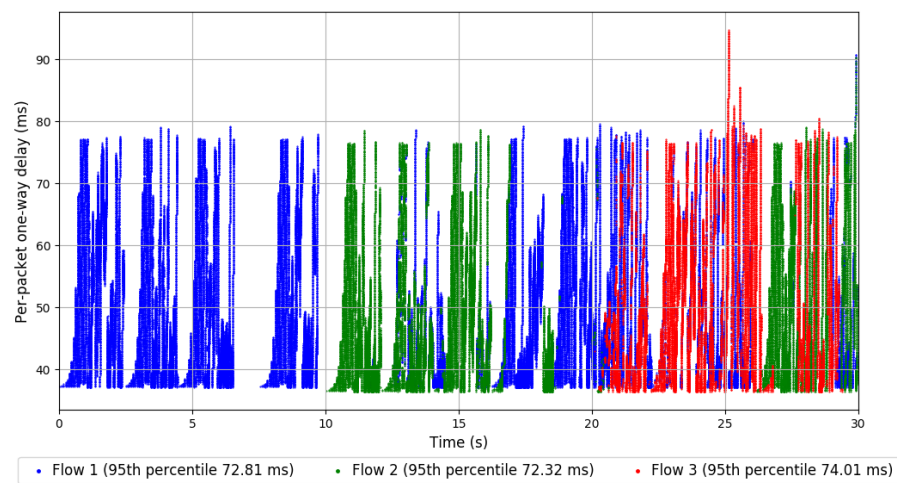
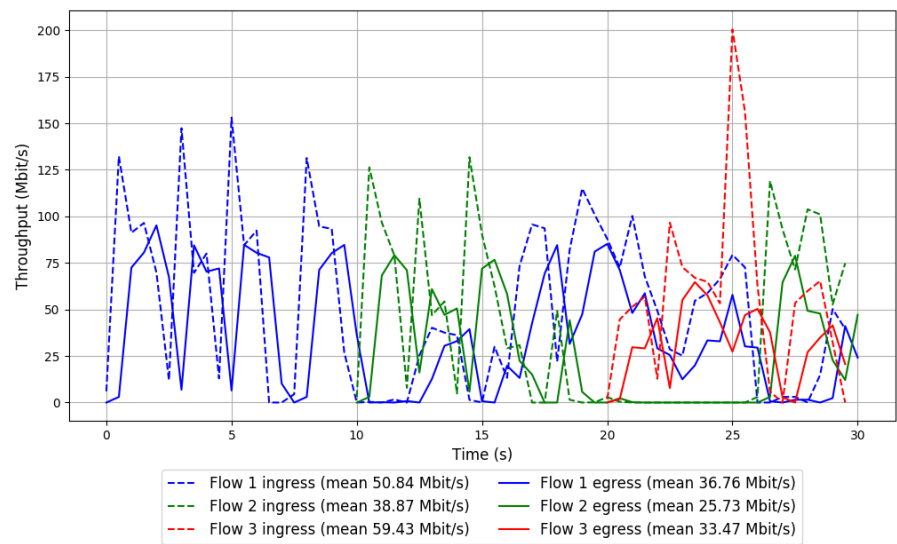


Run 7: Statistics of Verus

Start at: 2018-06-29 23:40:52
End at: 2018-06-29 23:41:22
Local clock offset: -0.055 ms
Remote clock offset: 3.935 ms

Below is generated by plot.py at 2018-06-30 01:37:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 72.886 ms
Loss rate: 33.04%
-- Flow 1:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 72.814 ms
Loss rate: 27.67%
-- Flow 2:
Average throughput: 25.73 Mbit/s
95th percentile per-packet one-way delay: 72.321 ms
Loss rate: 33.75%
-- Flow 3:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 74.009 ms
Loss rate: 46.17%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-30 00:05:36

End at: 2018-06-30 00:06:06

Local clock offset: 0.067 ms

Remote clock offset: 3.867 ms

Below is generated by plot.py at 2018-06-30 01:37:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.47 Mbit/s

95th percentile per-packet one-way delay: 71.883 ms

Loss rate: 22.45%

-- Flow 1:

Average throughput: 48.35 Mbit/s

95th percentile per-packet one-way delay: 72.129 ms

Loss rate: 22.38%

-- Flow 2:

Average throughput: 17.27 Mbit/s

95th percentile per-packet one-way delay: 71.297 ms

Loss rate: 19.96%

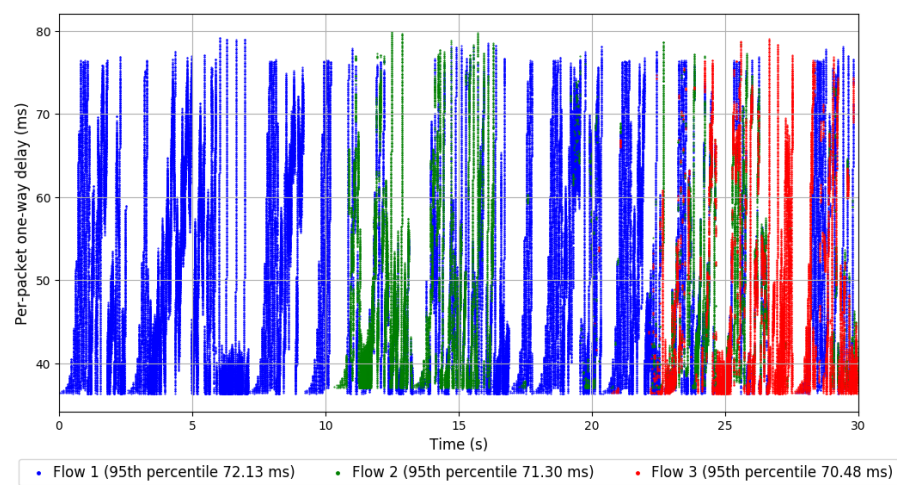
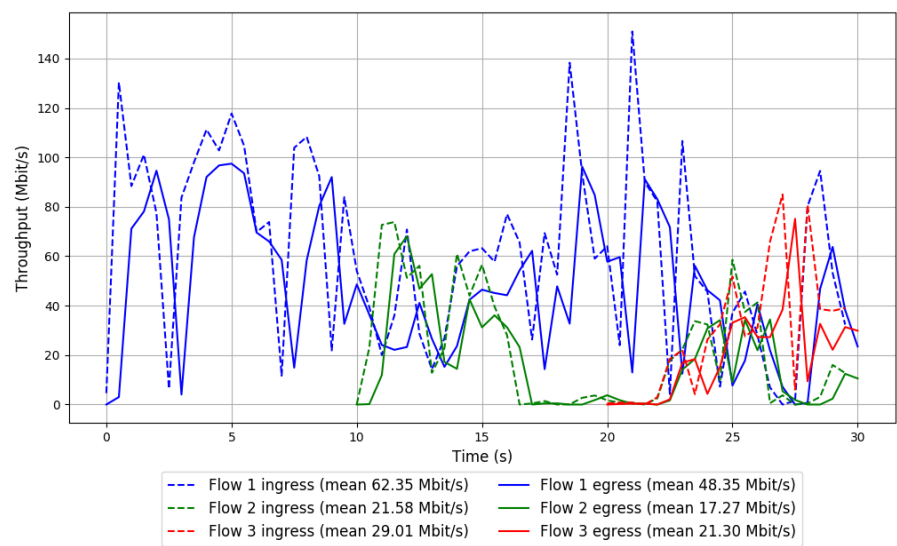
-- Flow 3:

Average throughput: 21.30 Mbit/s

95th percentile per-packet one-way delay: 70.483 ms

Loss rate: 26.62%

Run 8: Report of Verus — Data Link

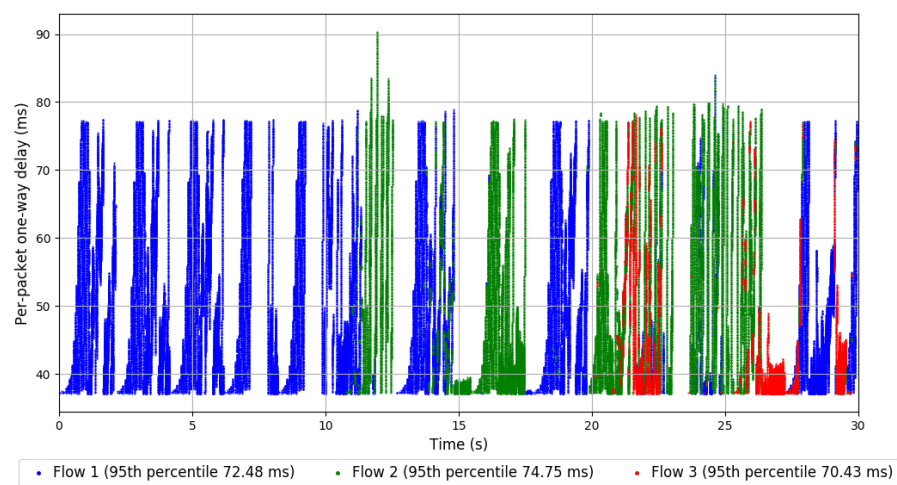
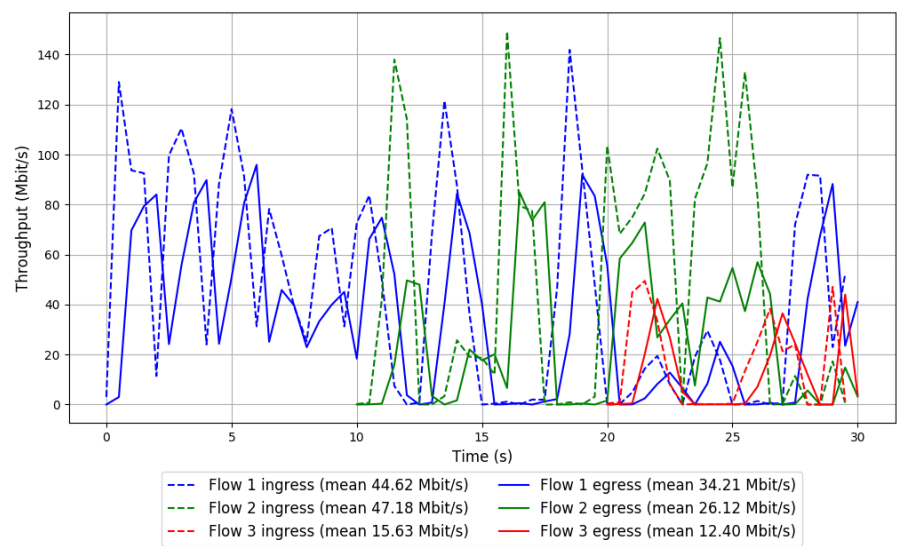


Run 9: Statistics of Verus

Start at: 2018-06-30 00:31:16
End at: 2018-06-30 00:31:46
Local clock offset: 0.256 ms
Remote clock offset: 3.645 ms

Below is generated by plot.py at 2018-06-30 01:37:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 73.176 ms
Loss rate: 31.39%
-- Flow 1:
Average throughput: 34.21 Mbit/s
95th percentile per-packet one-way delay: 72.477 ms
Loss rate: 23.30%
-- Flow 2:
Average throughput: 26.12 Mbit/s
95th percentile per-packet one-way delay: 74.754 ms
Loss rate: 44.63%
-- Flow 3:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 70.431 ms
Loss rate: 21.26%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-30 00:56:29

End at: 2018-06-30 00:56:59

Local clock offset: 0.375 ms

Remote clock offset: 4.596 ms

Below is generated by plot.py at 2018-06-30 01:38:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.71 Mbit/s

95th percentile per-packet one-way delay: 76.701 ms

Loss rate: 62.65%

-- Flow 1:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 79.513 ms

Loss rate: 70.89%

-- Flow 2:

Average throughput: 20.43 Mbit/s

95th percentile per-packet one-way delay: 73.412 ms

Loss rate: 42.07%

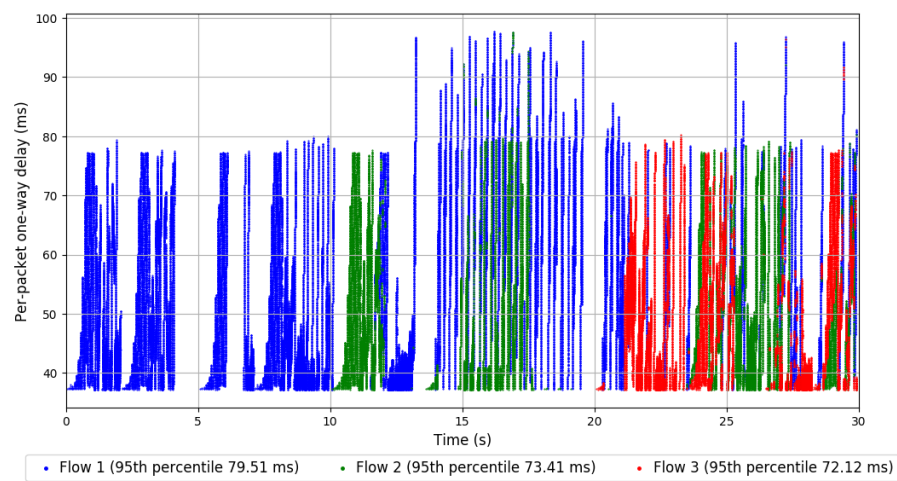
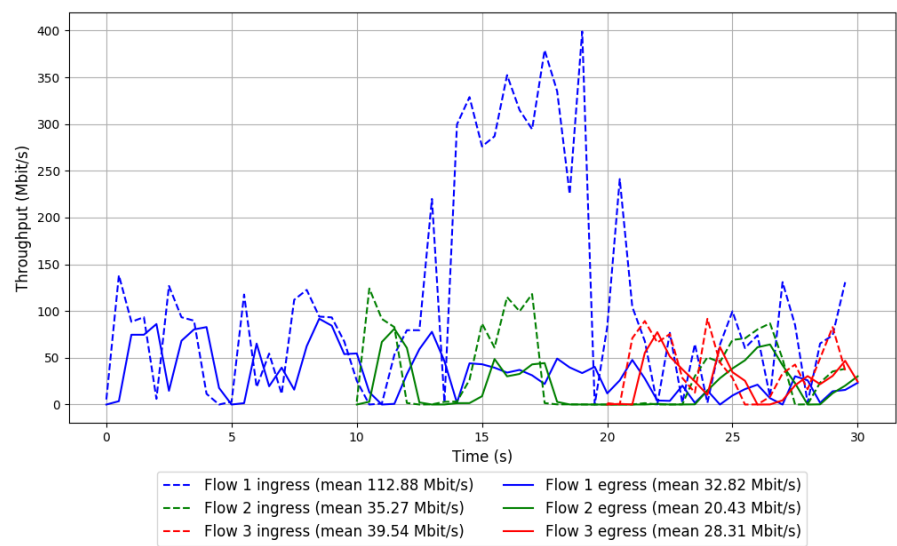
-- Flow 3:

Average throughput: 28.31 Mbit/s

95th percentile per-packet one-way delay: 72.123 ms

Loss rate: 28.38%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-29 21:20:44

End at: 2018-06-29 21:21:14

Local clock offset: -0.482 ms

Remote clock offset: 7.49 ms

Below is generated by plot.py at 2018-06-30 01:38:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 44.083 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 43.942 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 19.83 Mbit/s

95th percentile per-packet one-way delay: 44.703 ms

Loss rate: 0.35%

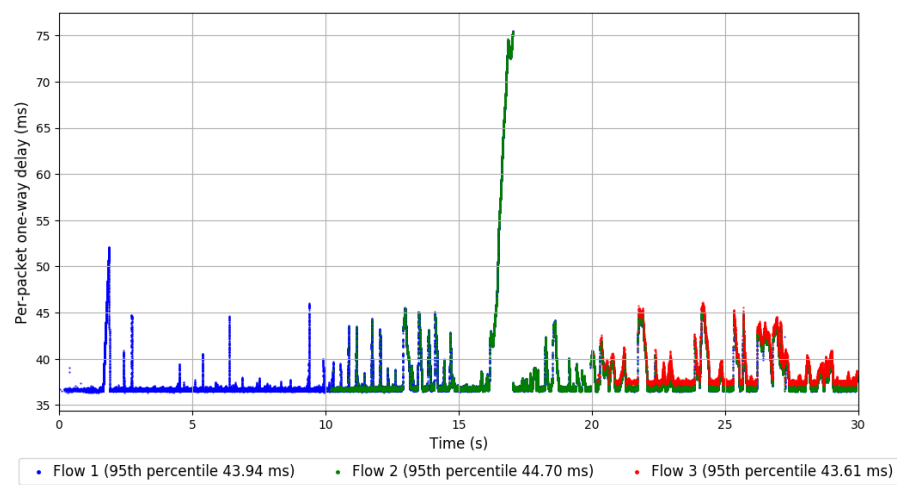
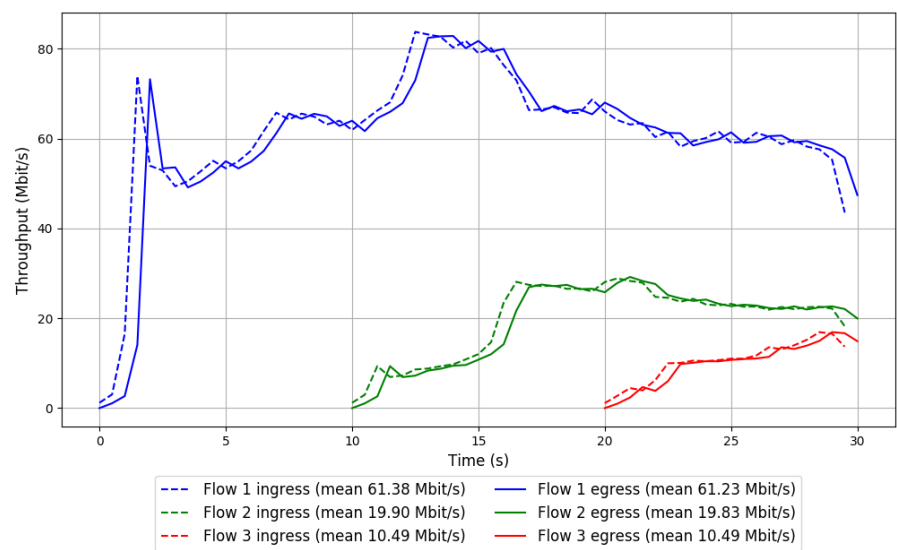
-- Flow 3:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 43.609 ms

Loss rate: 0.05%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-29 21:46:45

End at: 2018-06-29 21:47:15

Local clock offset: -0.799 ms

Remote clock offset: 8.597 ms

Below is generated by plot.py at 2018-06-30 01:38:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 68.649 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 68.37 Mbit/s

95th percentile per-packet one-way delay: 65.362 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 15.04 Mbit/s

95th percentile per-packet one-way delay: 69.515 ms

Loss rate: 0.56%

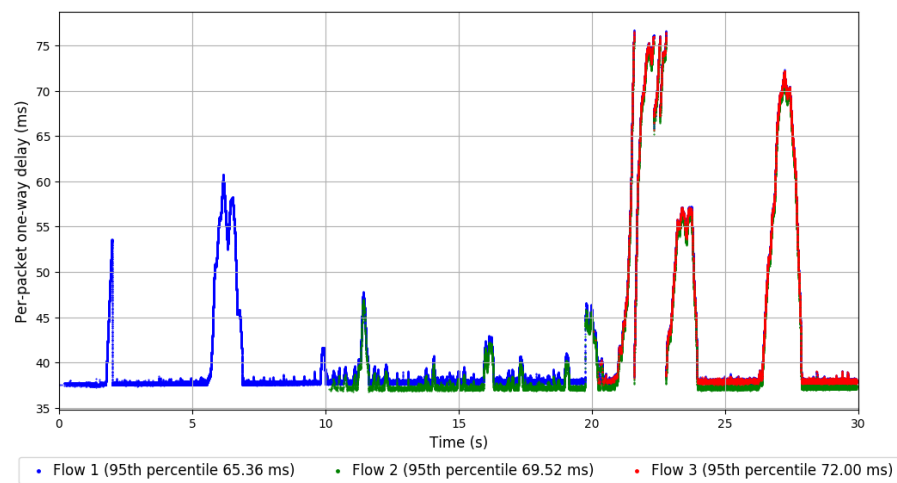
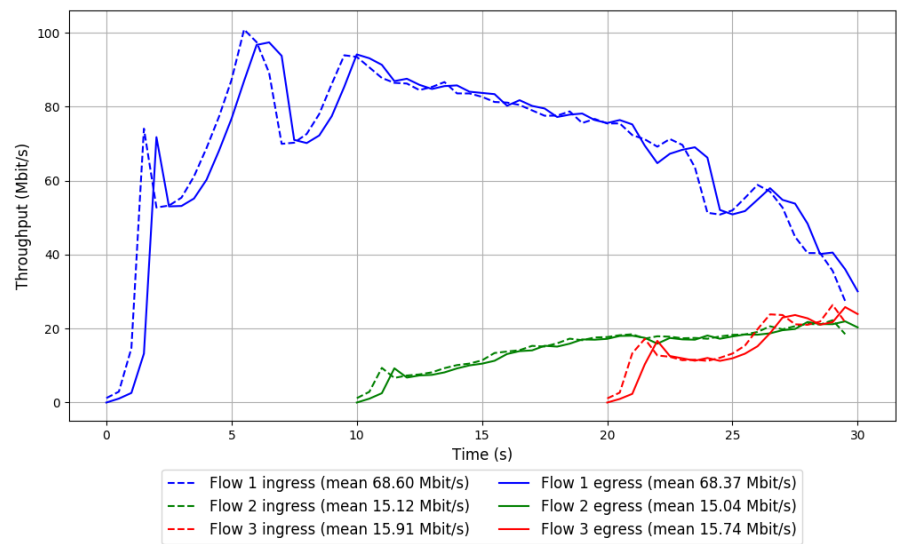
-- Flow 3:

Average throughput: 15.74 Mbit/s

95th percentile per-packet one-way delay: 72.003 ms

Loss rate: 1.10%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-29 22:12:24

End at: 2018-06-29 22:12:54

Local clock offset: 4.988 ms

Remote clock offset: 9.845 ms

Below is generated by plot.py at 2018-06-30 01:38:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.58 Mbit/s

95th percentile per-packet one-way delay: 46.164 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 70.42 Mbit/s

95th percentile per-packet one-way delay: 43.937 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 15.06 Mbit/s

95th percentile per-packet one-way delay: 49.048 ms

Loss rate: 0.01%

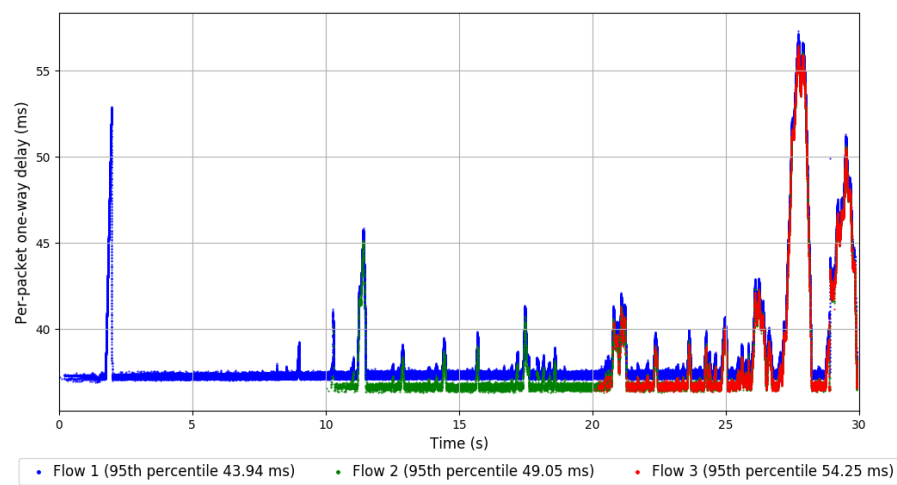
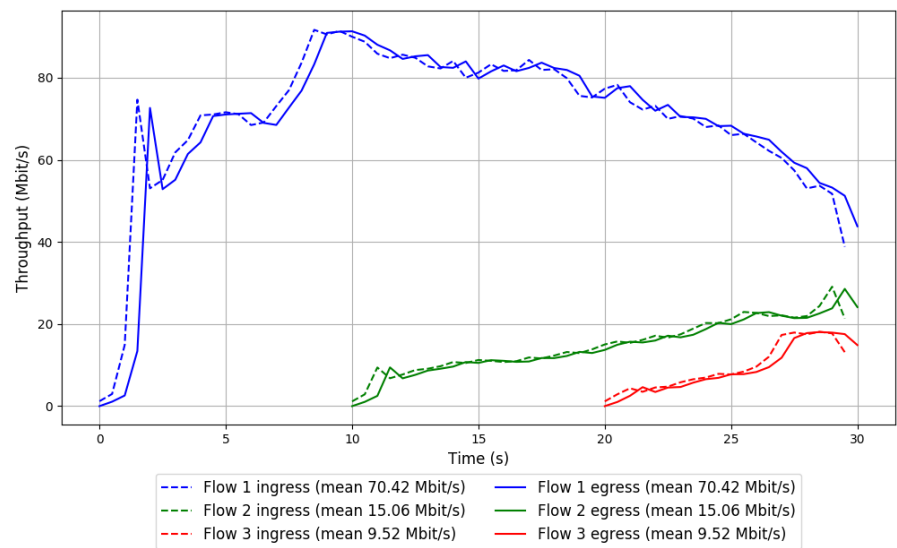
-- Flow 3:

Average throughput: 9.52 Mbit/s

95th percentile per-packet one-way delay: 54.254 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-29 22:38:34

End at: 2018-06-29 22:39:04

Local clock offset: 6.738 ms

Remote clock offset: 3.831 ms

Below is generated by plot.py at 2018-06-30 01:38:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.57 Mbit/s

95th percentile per-packet one-way delay: 70.214 ms

Loss rate: 1.44%

-- Flow 1:

Average throughput: 21.96 Mbit/s

95th percentile per-packet one-way delay: 69.056 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 70.808 ms

Loss rate: 1.55%

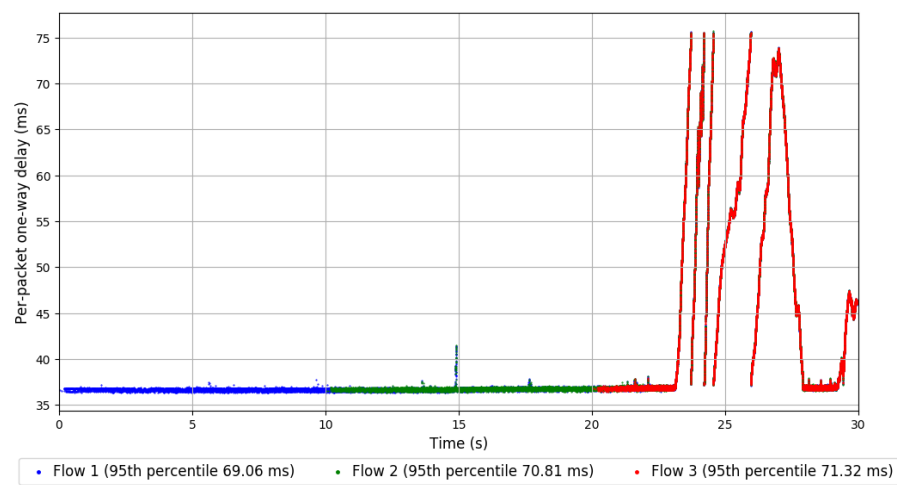
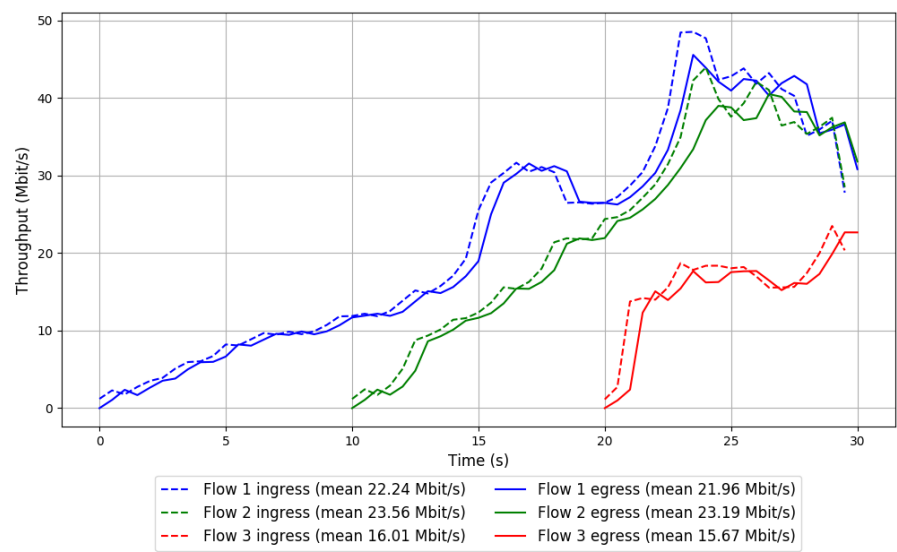
-- Flow 3:

Average throughput: 15.67 Mbit/s

95th percentile per-packet one-way delay: 71.317 ms

Loss rate: 2.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-29 23:06:10

End at: 2018-06-29 23:06:40

Local clock offset: 3.923 ms

Remote clock offset: 3.341 ms

Below is generated by plot.py at 2018-06-30 01:38:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 39.500 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 58.77 Mbit/s

95th percentile per-packet one-way delay: 39.522 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 39.091 ms

Loss rate: 0.01%

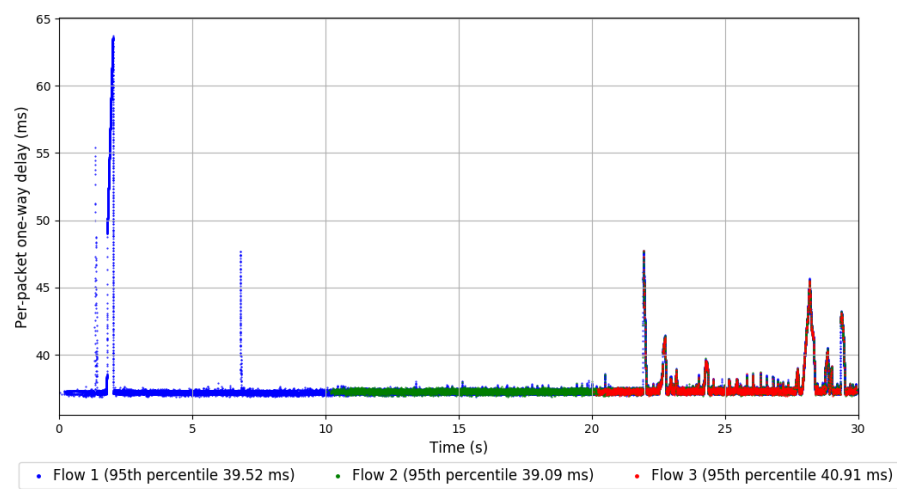
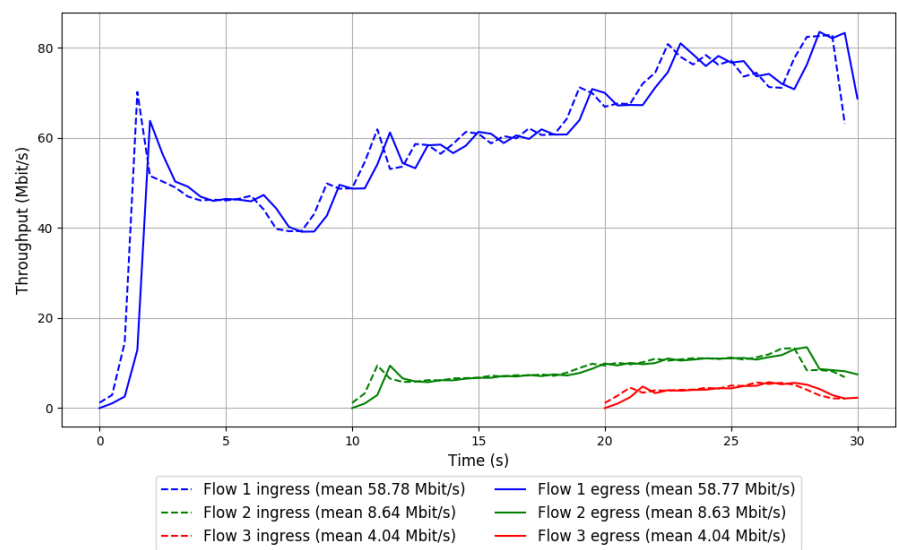
-- Flow 3:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 40.908 ms

Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-29 23:31:38

End at: 2018-06-29 23:32:08

Local clock offset: 0.617 ms

Remote clock offset: 3.675 ms

Below is generated by plot.py at 2018-06-30 01:38:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.17 Mbit/s

95th percentile per-packet one-way delay: 61.165 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 47.75 Mbit/s

95th percentile per-packet one-way delay: 61.257 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 26.29 Mbit/s

95th percentile per-packet one-way delay: 58.302 ms

Loss rate: 0.00%

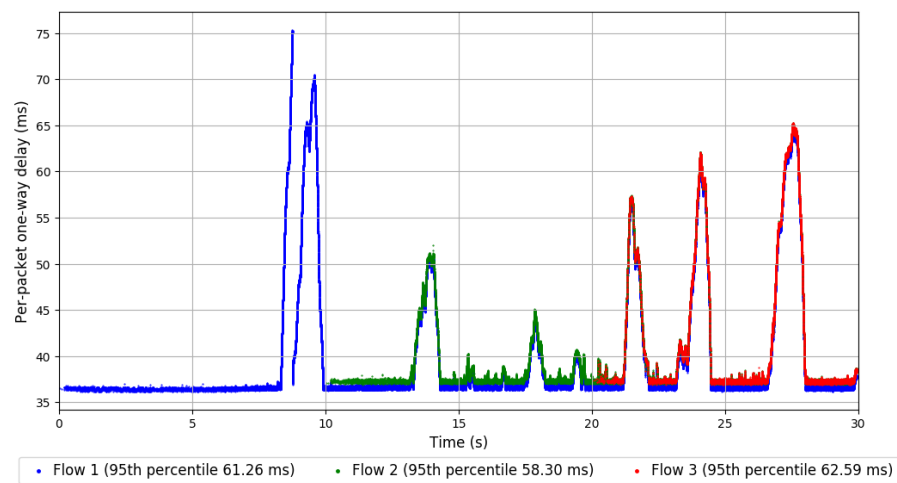
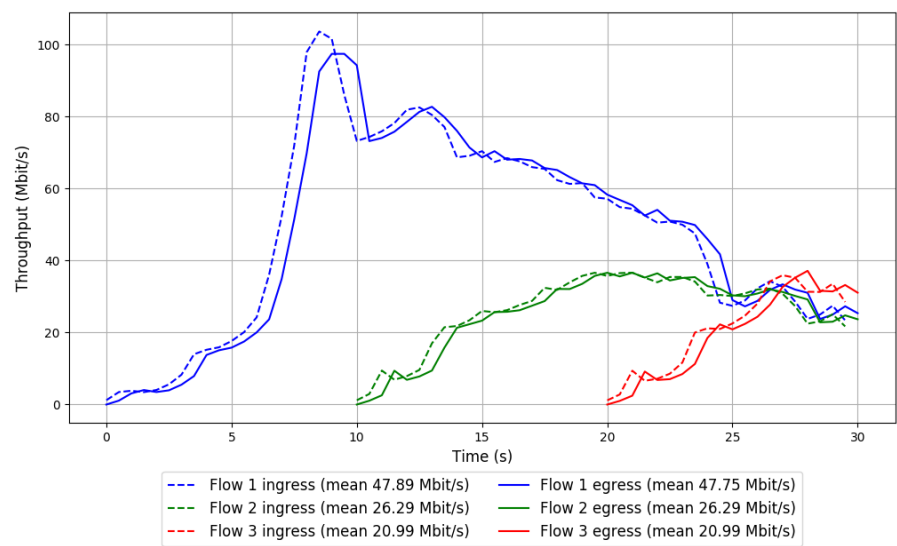
-- Flow 3:

Average throughput: 20.99 Mbit/s

95th percentile per-packet one-way delay: 62.593 ms

Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-29 23:56:25

End at: 2018-06-29 23:56:55

Local clock offset: 0.132 ms

Remote clock offset: 4.094 ms

Below is generated by plot.py at 2018-06-30 01:39:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.20 Mbit/s

95th percentile per-packet one-way delay: 52.001 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 60.68 Mbit/s

95th percentile per-packet one-way delay: 53.116 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 28.09 Mbit/s

95th percentile per-packet one-way delay: 47.255 ms

Loss rate: 0.00%

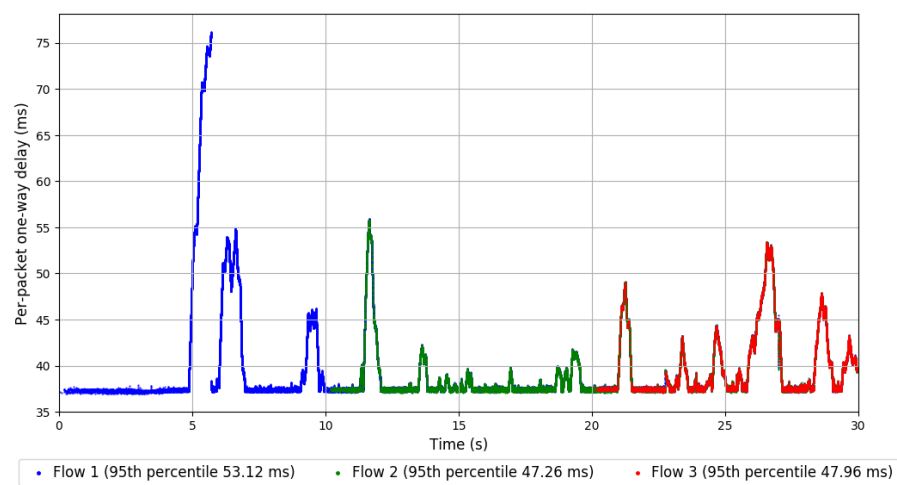
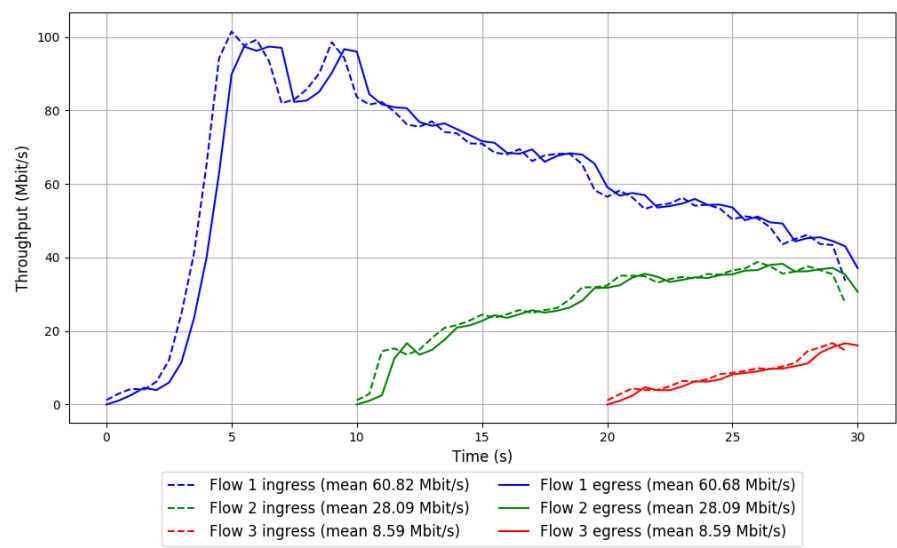
-- Flow 3:

Average throughput: 8.59 Mbit/s

95th percentile per-packet one-way delay: 47.957 ms

Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 00:21:35

End at: 2018-06-30 00:22:05

Local clock offset: 0.183 ms

Remote clock offset: 3.842 ms

Below is generated by plot.py at 2018-06-30 01:39:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 41.808 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 68.25 Mbit/s

95th percentile per-packet one-way delay: 41.768 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 21.60 Mbit/s

95th percentile per-packet one-way delay: 41.492 ms

Loss rate: 0.02%

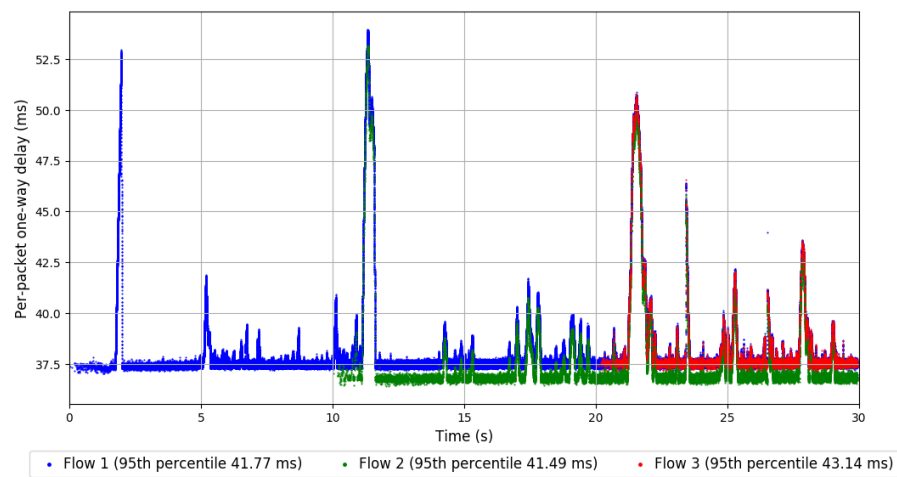
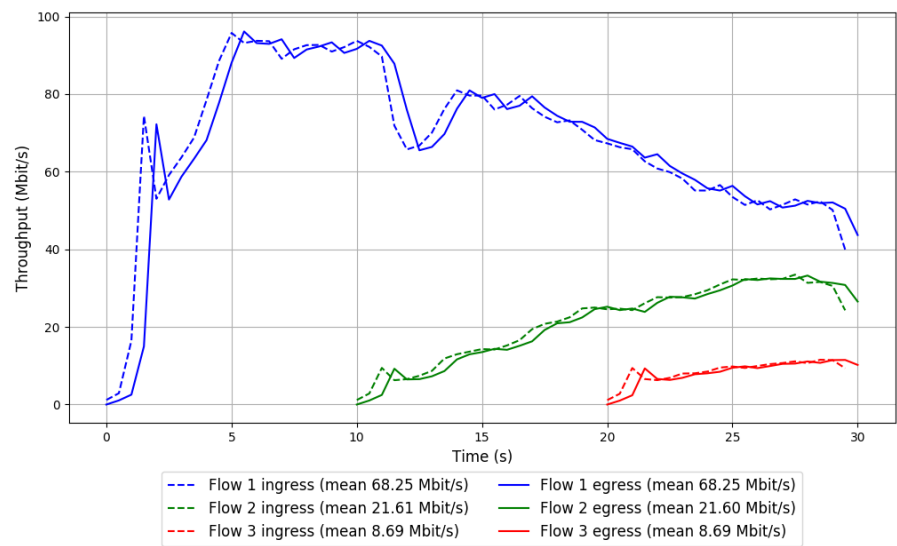
-- Flow 3:

Average throughput: 8.69 Mbit/s

95th percentile per-packet one-way delay: 43.138 ms

Loss rate: 0.03%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 00:47:16

End at: 2018-06-30 00:47:46

Local clock offset: 0.122 ms

Remote clock offset: 4.309 ms

Below is generated by plot.py at 2018-06-30 01:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.05 Mbit/s

95th percentile per-packet one-way delay: 50.403 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 49.156 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.08 Mbit/s

95th percentile per-packet one-way delay: 55.451 ms

Loss rate: 0.00%

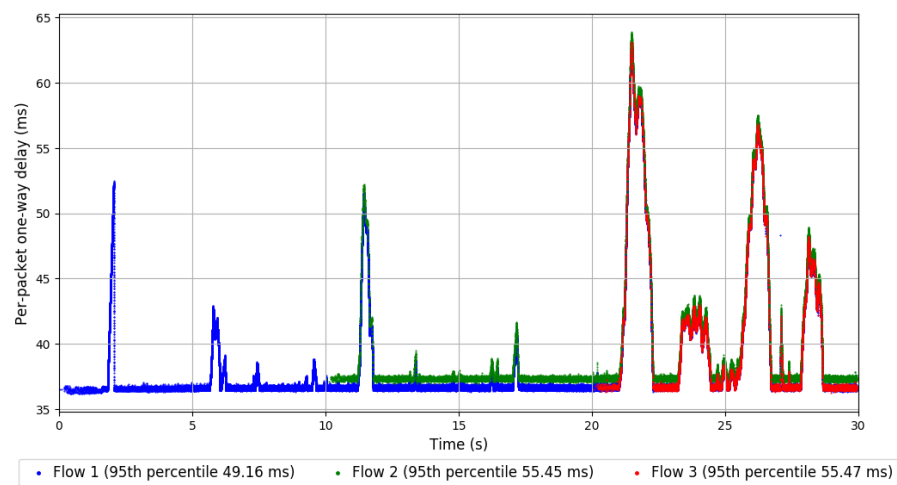
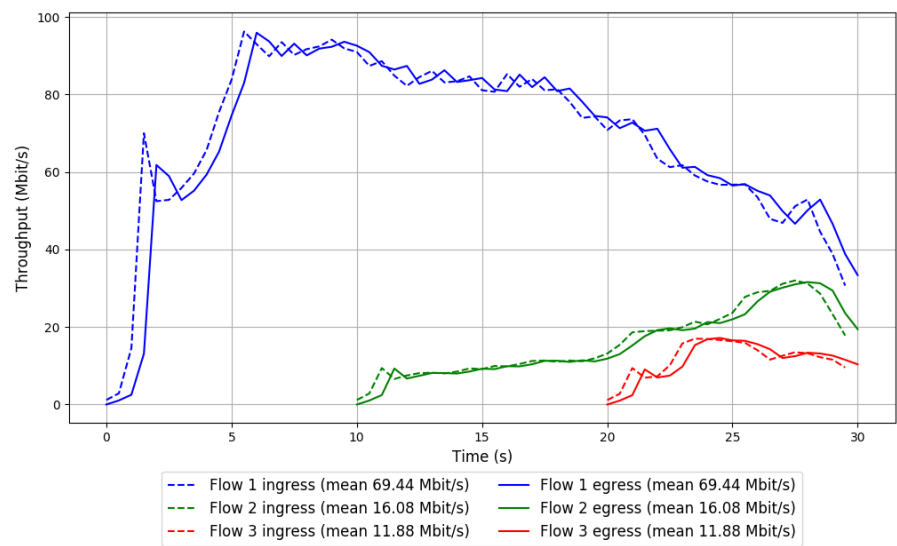
-- Flow 3:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 55.474 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 01:12:14

End at: 2018-06-30 01:12:44

Local clock offset: 0.321 ms

Remote clock offset: 4.563 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.33 Mbit/s

95th percentile per-packet one-way delay: 42.547 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 66.19 Mbit/s

95th percentile per-packet one-way delay: 42.368 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 20.61 Mbit/s

95th percentile per-packet one-way delay: 42.667 ms

Loss rate: 0.27%

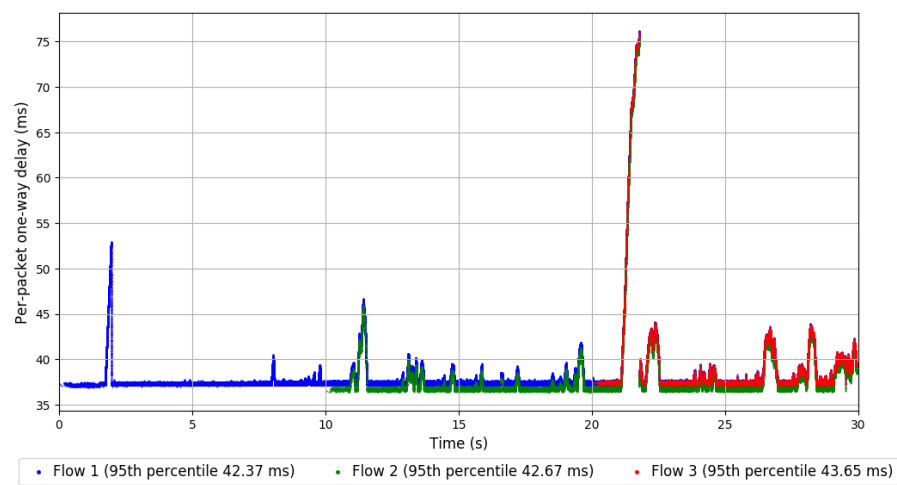
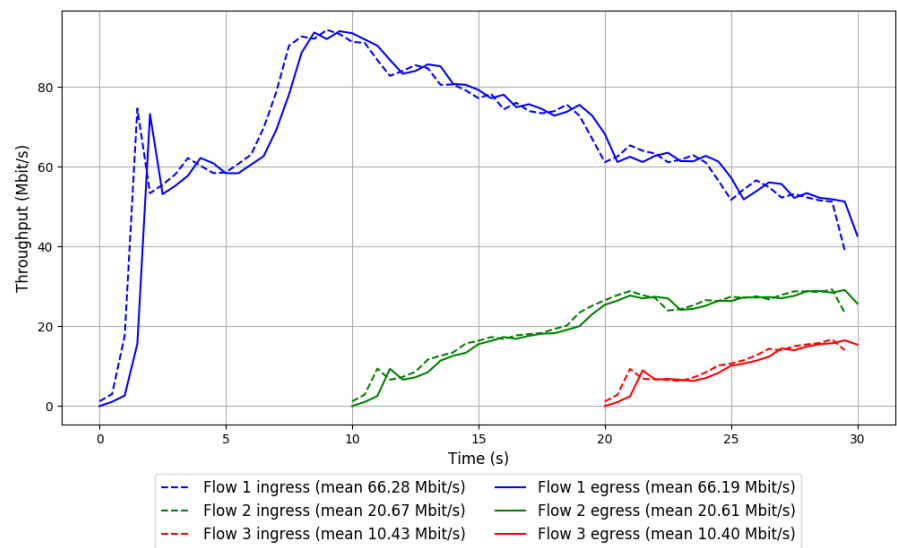
-- Flow 3:

Average throughput: 10.40 Mbit/s

95th percentile per-packet one-way delay: 43.645 ms

Loss rate: 0.24%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-29 21:14:53

End at: 2018-06-29 21:15:23

Local clock offset: -0.154 ms

Remote clock offset: 7.307 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 39.344 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 38.646 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 39.843 ms

Loss rate: 0.06%

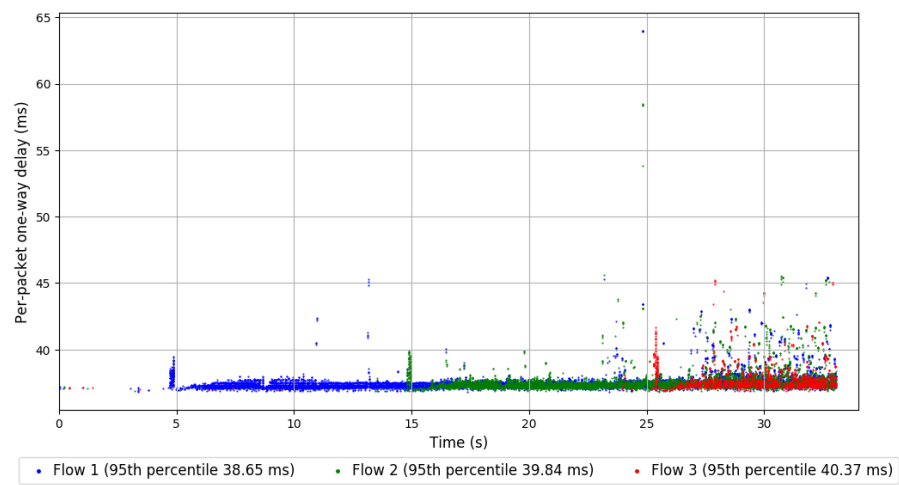
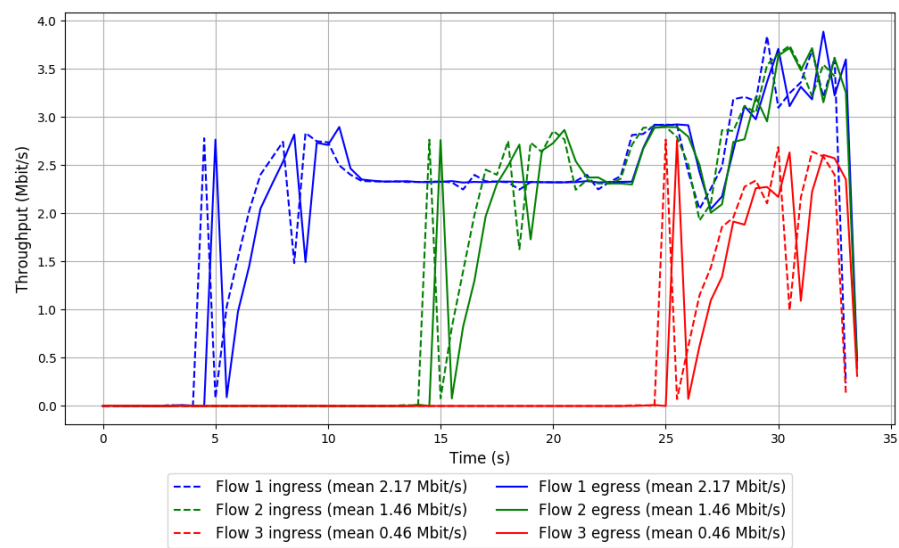
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 40.366 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-29 21:40:58

End at: 2018-06-29 21:41:28

Local clock offset: -1.228 ms

Remote clock offset: 8.237 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 38.392 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 37.924 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 38.378 ms

Loss rate: 0.00%

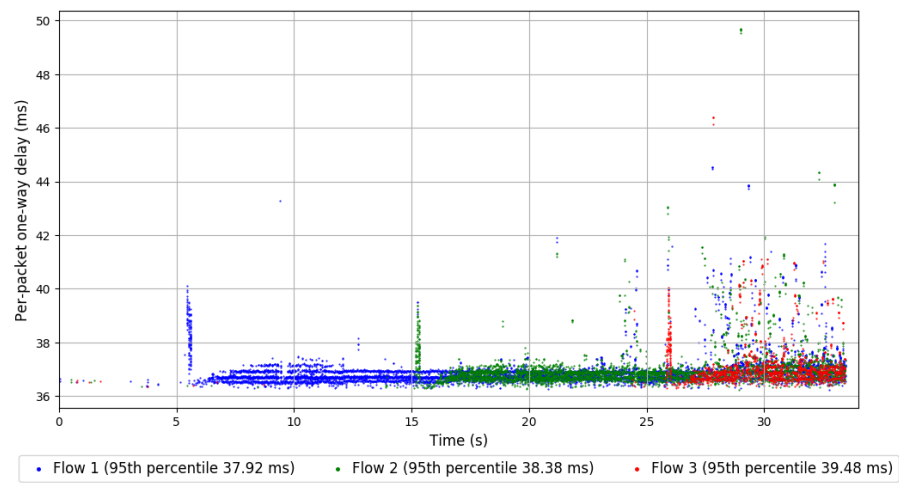
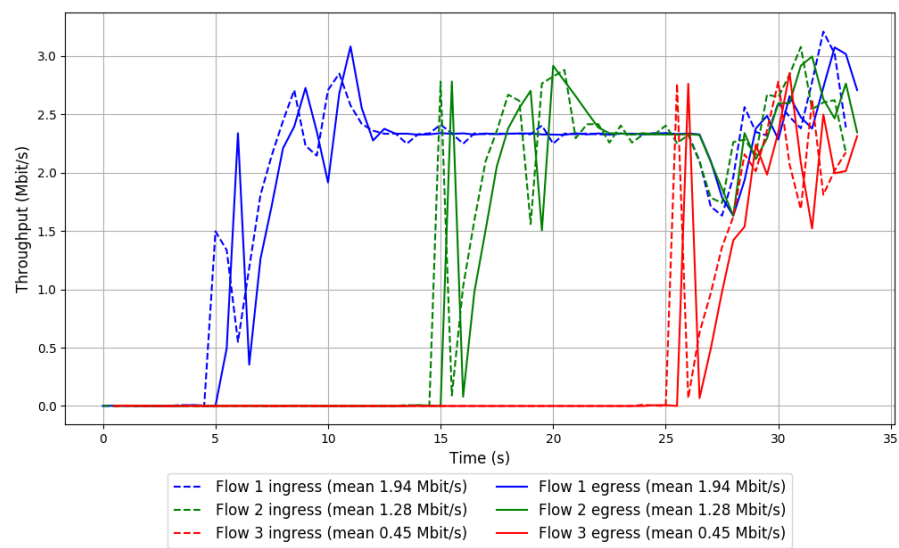
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 39.480 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-29 22:06:50

End at: 2018-06-29 22:07:20

Local clock offset: 4.457 ms

Remote clock offset: 9.648 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 38.653 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 38.192 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 38.368 ms

Loss rate: 0.03%

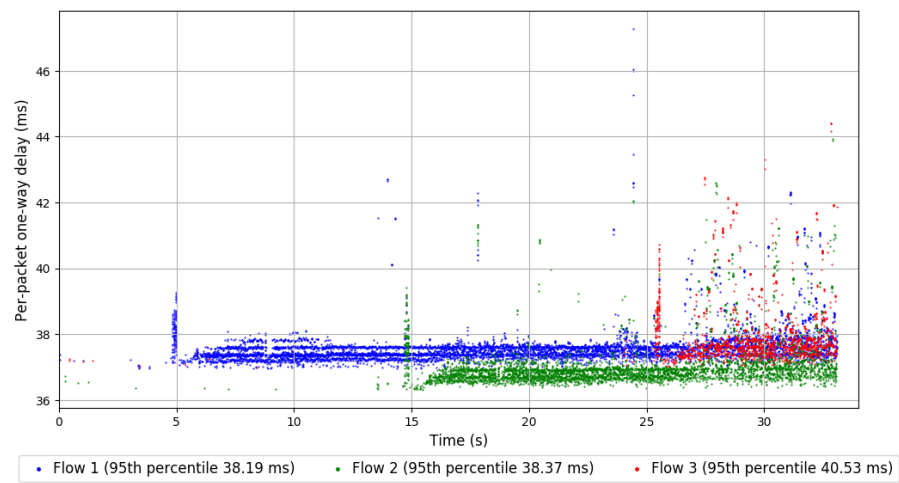
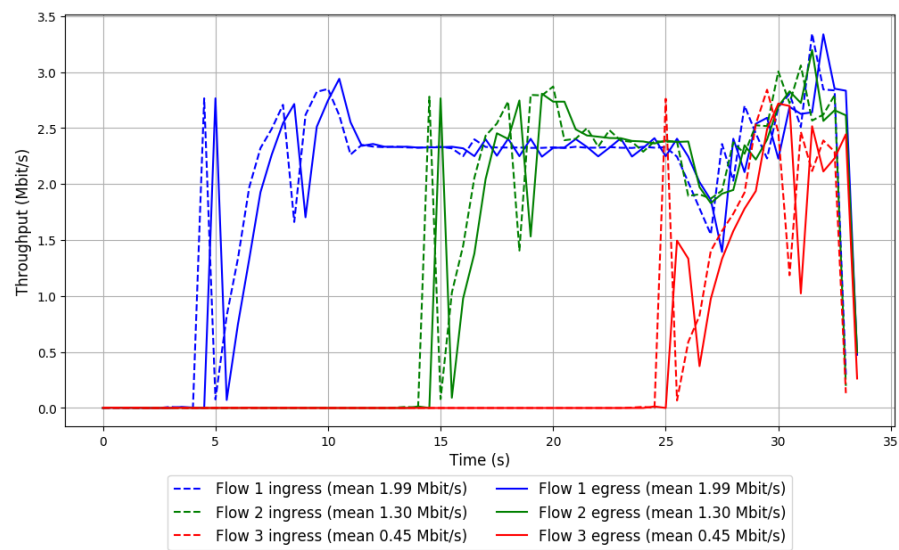
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 40.528 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-29 22:33:01

End at: 2018-06-29 22:33:31

Local clock offset: 6.376 ms

Remote clock offset: 4.337 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 39.457 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 38.991 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 38.911 ms

Loss rate: 0.00%

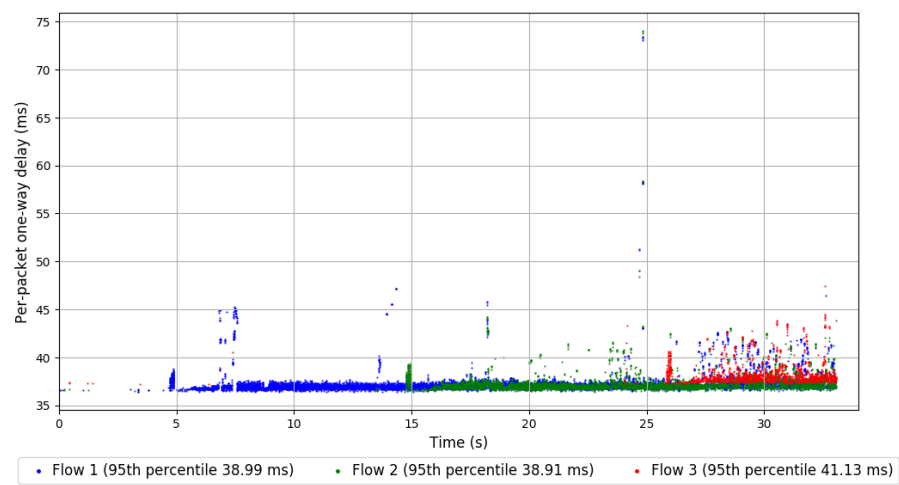
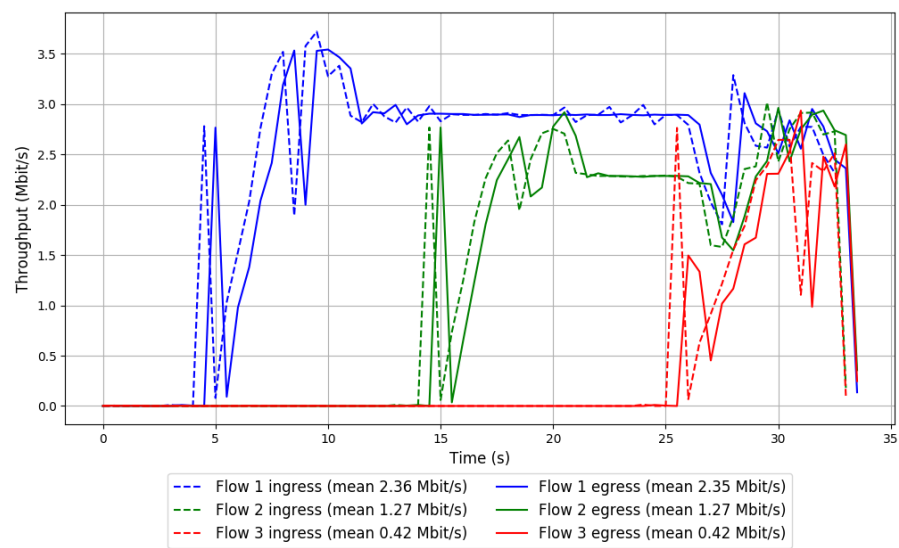
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 41.127 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-29 23:00:03

End at: 2018-06-29 23:00:33

Local clock offset: 4.299 ms

Remote clock offset: 3.424 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 39.145 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 38.021 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 39.546 ms

Loss rate: 0.00%

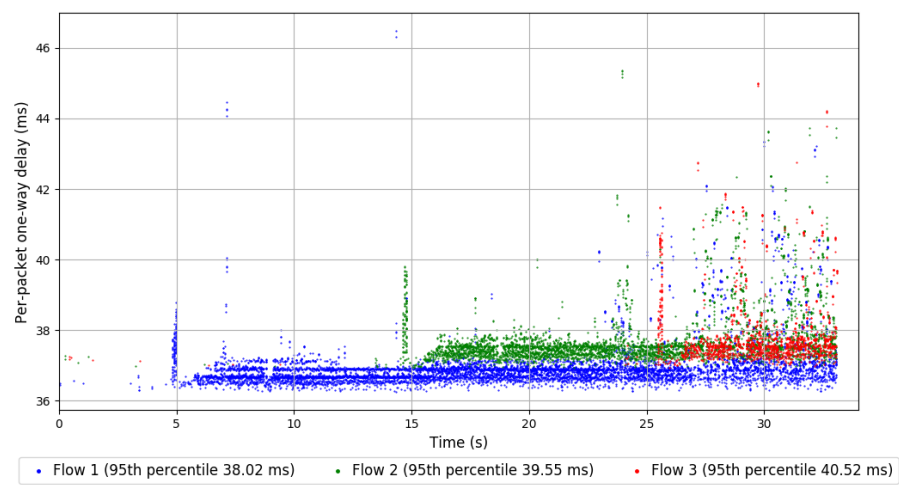
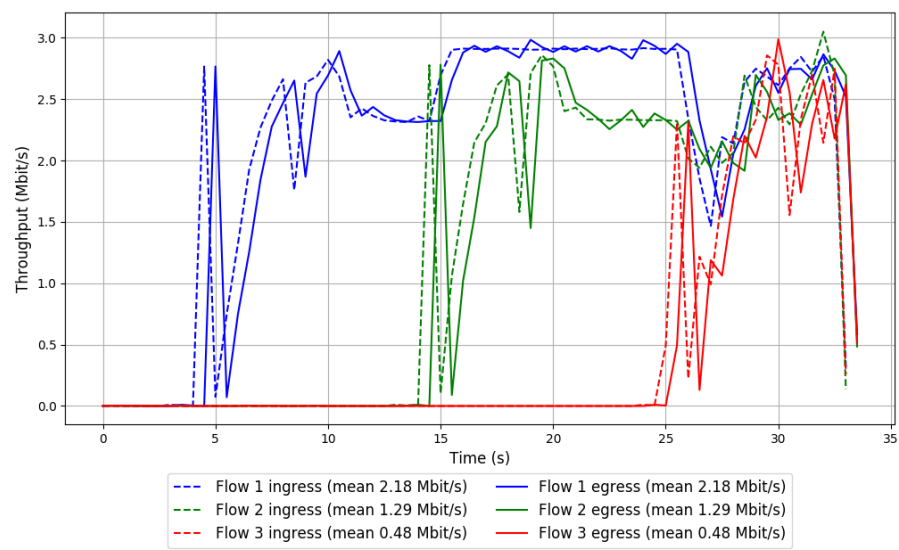
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 40.518 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-29 23:26:08

End at: 2018-06-29 23:26:38

Local clock offset: 1.248 ms

Remote clock offset: 3.305 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 38.227 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 37.366 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 38.215 ms

Loss rate: 0.00%

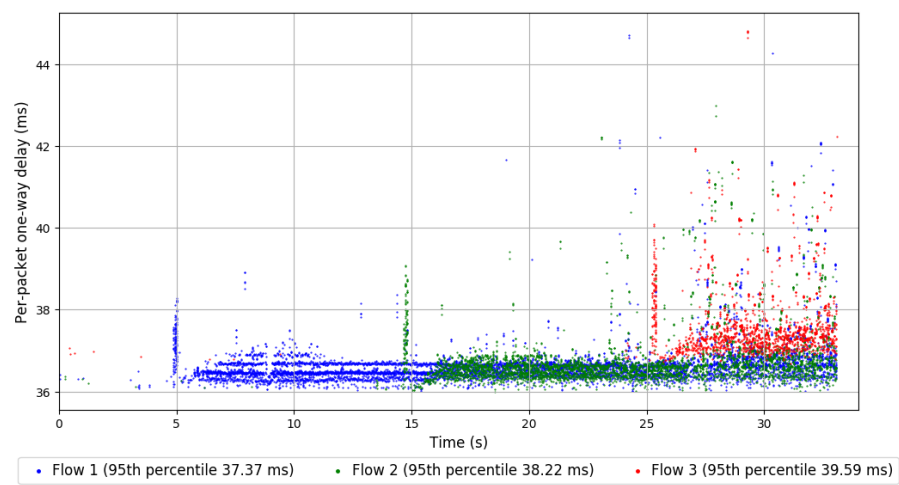
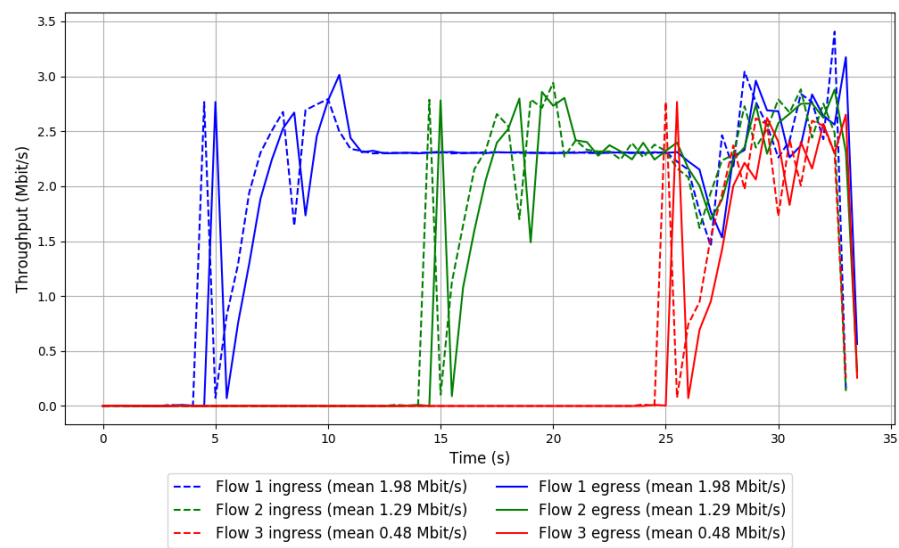
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 39.594 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-29 23:50:59

End at: 2018-06-29 23:51:29

Local clock offset: 0.018 ms

Remote clock offset: 4.082 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 39.182 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 39.347 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 39.189 ms

Loss rate: 0.00%

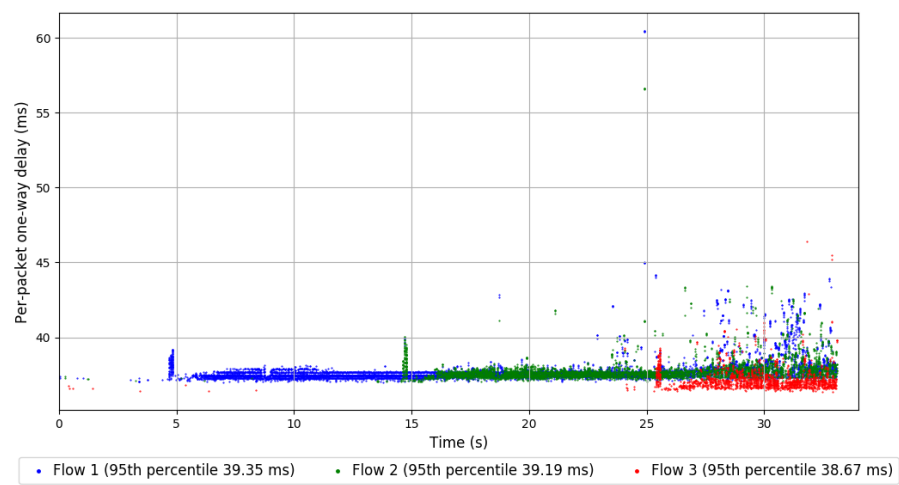
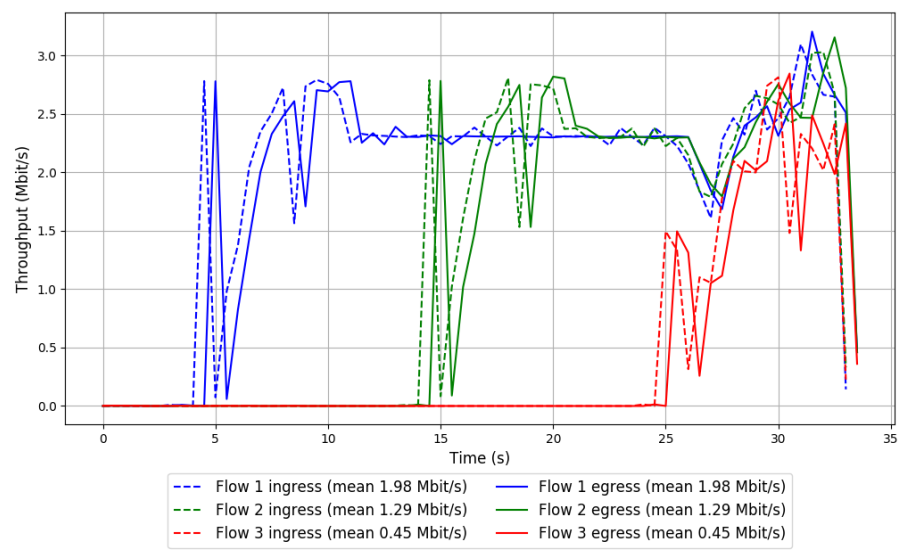
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 38.668 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-30 00:15:57

End at: 2018-06-30 00:16:27

Local clock offset: -0.266 ms

Remote clock offset: 3.839 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 38.546 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 37.832 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 38.824 ms

Loss rate: 0.00%

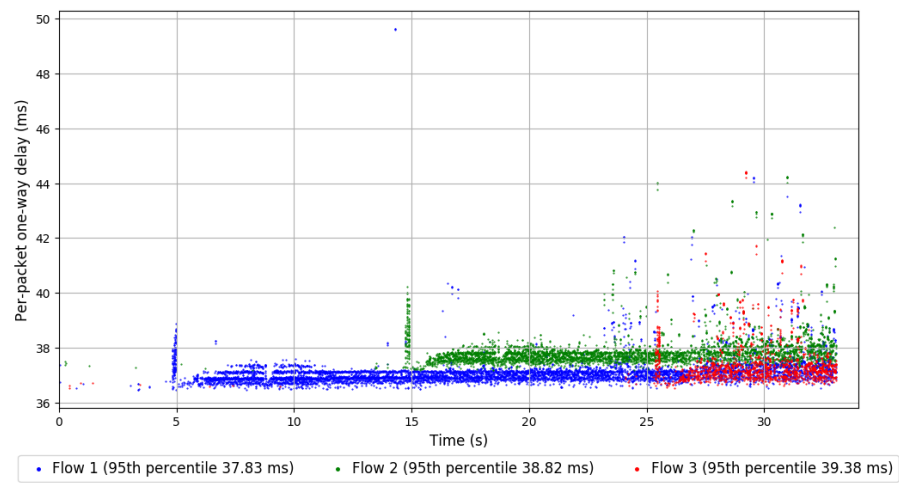
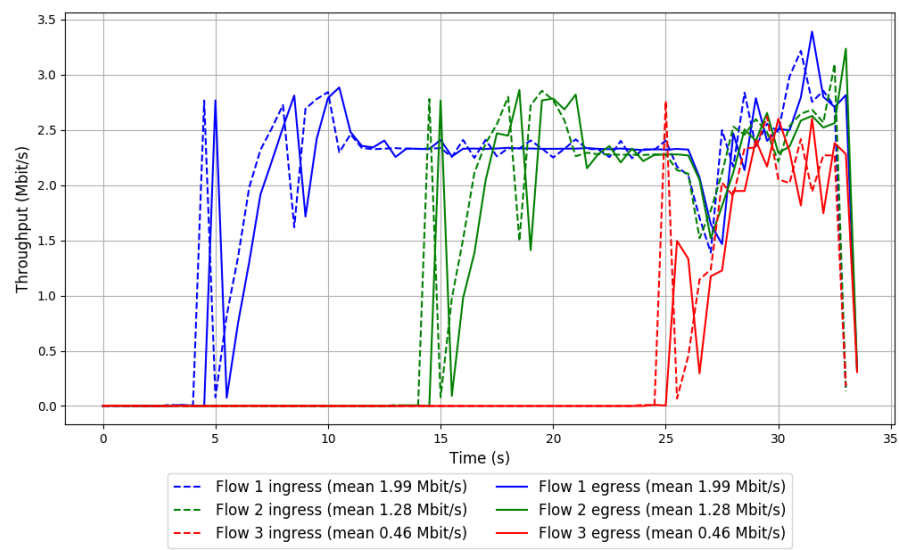
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 39.375 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-30 00:41:47

End at: 2018-06-30 00:42:17

Local clock offset: 0.119 ms

Remote clock offset: 4.205 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 38.688 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 38.574 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 38.136 ms

Loss rate: 0.00%

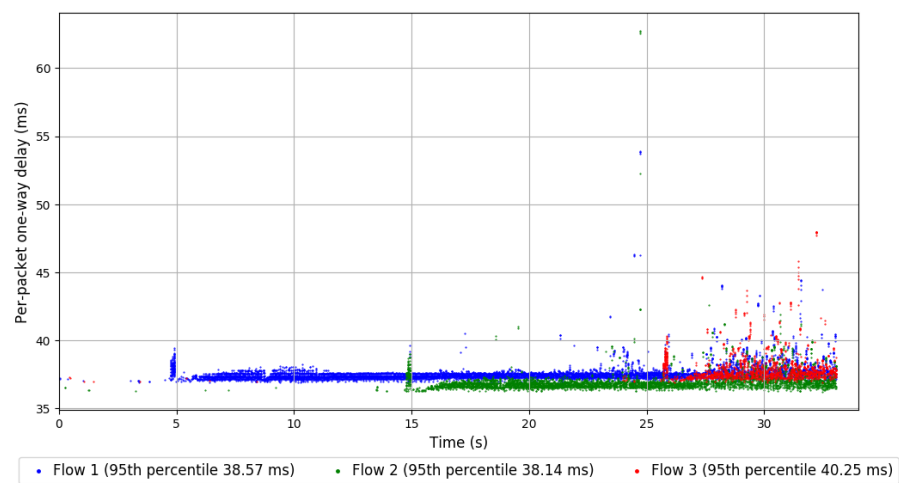
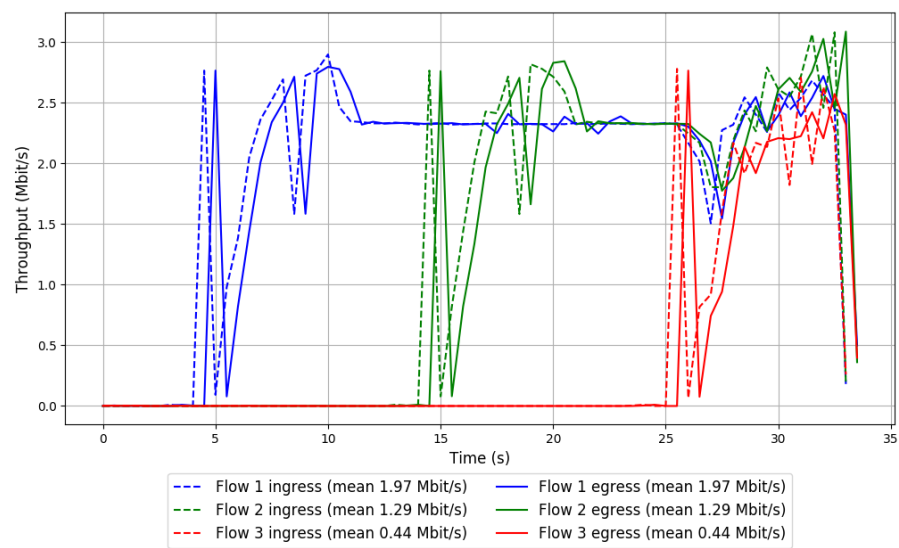
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 40.254 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 01:06:46

End at: 2018-06-30 01:07:16

Local clock offset: 0.277 ms

Remote clock offset: 4.745 ms

Below is generated by plot.py at 2018-06-30 01:39:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 38.852 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 38.725 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 38.878 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 39.132 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

