

Pantheon Report

Generated at 2018-01-09 20:02:56 (UTC).

Data path: GCE London Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).

Repeated the test of 14 congestion control schemes 10 times.

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

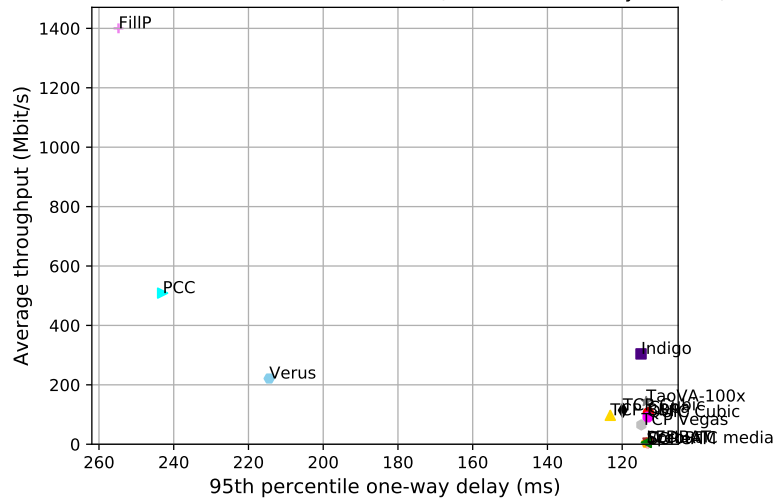
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

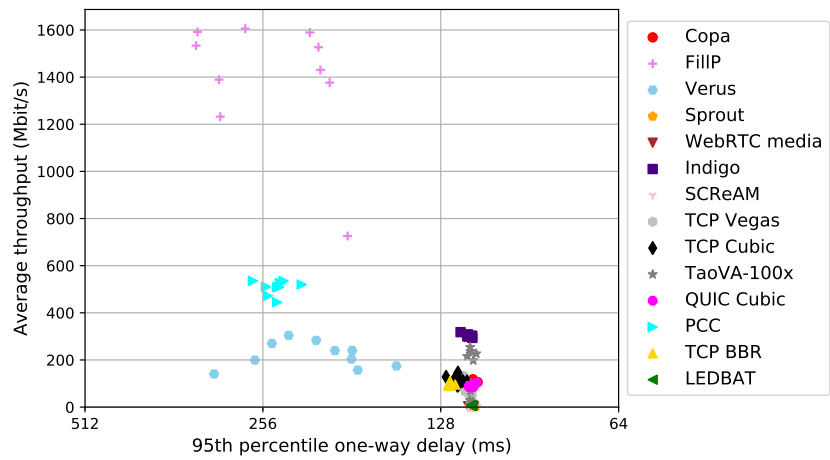
Git summary:

```
branch: master @ 56d1792c316a5efca3f2d21342905405fedffb48
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fixp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE London Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE London Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



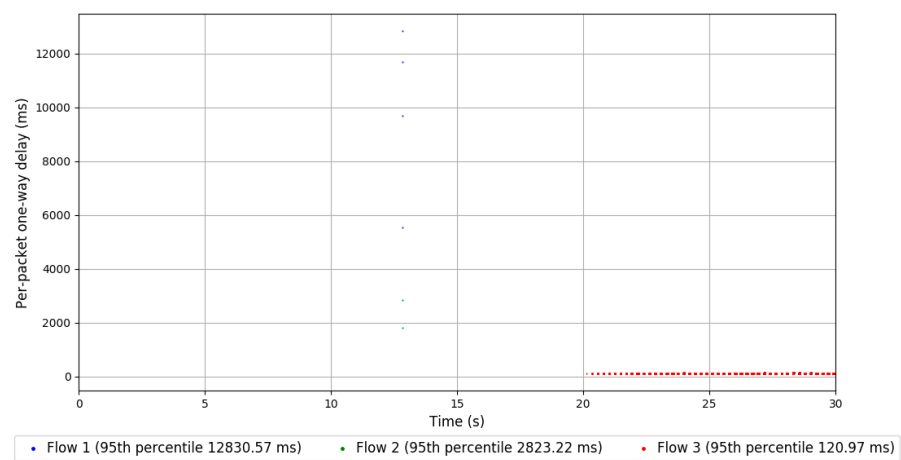
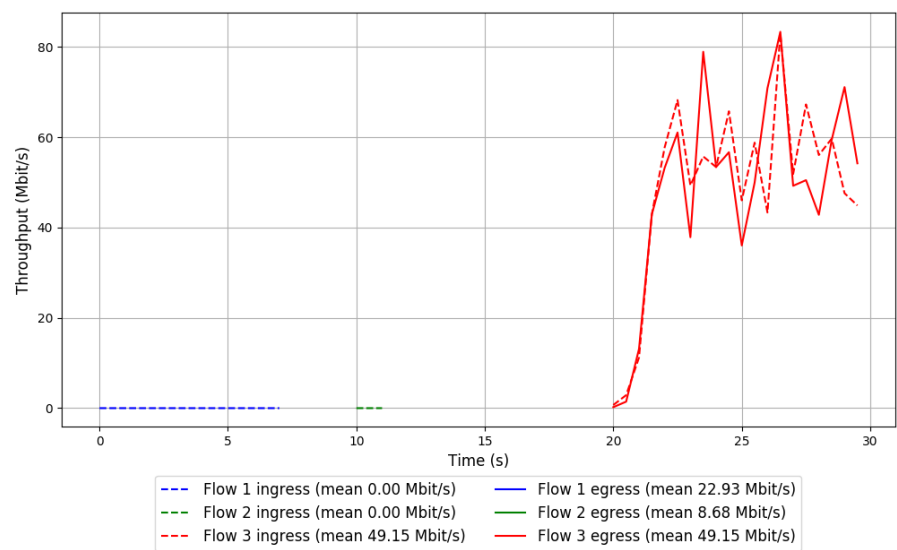
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	4	48.74	45.59	56.14	122.72	122.97	124.62	0.10	0.79	0.01
TCP Cubic	10	60.37	58.06	46.11	118.48	118.80	119.38	0.20	0.26	0.22
LEDBAT	8	3.39	2.98	1.77	113.55	113.53	113.03	0.05	0.05	0.22
PCC	10	462.98	58.01	21.92	243.99	237.81	233.09	2.43	1.13	1.07
QUIC Cubic	10	49.44	46.59	34.80	112.52	112.53	111.93	0.00	0.01	0.01
SCReAM	10	0.19	0.22	0.21	112.85	112.48	111.77	0.00	0.00	0.00
WebRTC media	10	2.05	1.25	0.43	112.94	111.60	112.21	0.00	0.00	0.01
Sprout	10	2.44	2.12	1.62	113.58	113.47	113.14	0.04	0.04	0.08
TaoVA-100x	10	54.89	91.94	106.13	113.18	113.21	113.71	0.02	0.01	0.00
TCP Vegas	10	35.12	29.18	31.98	114.37	114.94	114.14	0.01	0.01	0.00
Verus	10	139.52	92.90	65.02	208.77	179.01	208.41	1.02	0.82	2.05
Copa	10	59.41	55.61	37.93	112.62	112.80	112.99	0.00	0.01	0.01
FillP	10	741.70	625.78	731.75	228.04	252.13	249.13	5.39	6.61	10.31
Indigo	9	159.88	152.74	127.16	114.33	115.37	119.52	0.02	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-01-09 15:02:02

End at: 2018-01-09 15:02:32

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-09 15:17:17

End at: 2018-01-09 15:17:47

Below is generated by plot.py at 2018-01-09 18:53:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 111.24 Mbit/s

95th percentile per-packet one-way delay: 123.472 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 123.654 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 47.90 Mbit/s

95th percentile per-packet one-way delay: 123.469 ms

Loss rate: 0.00%

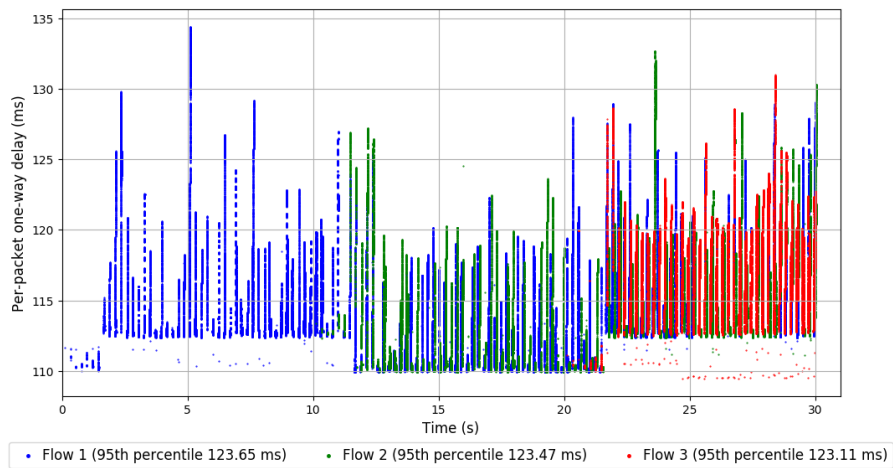
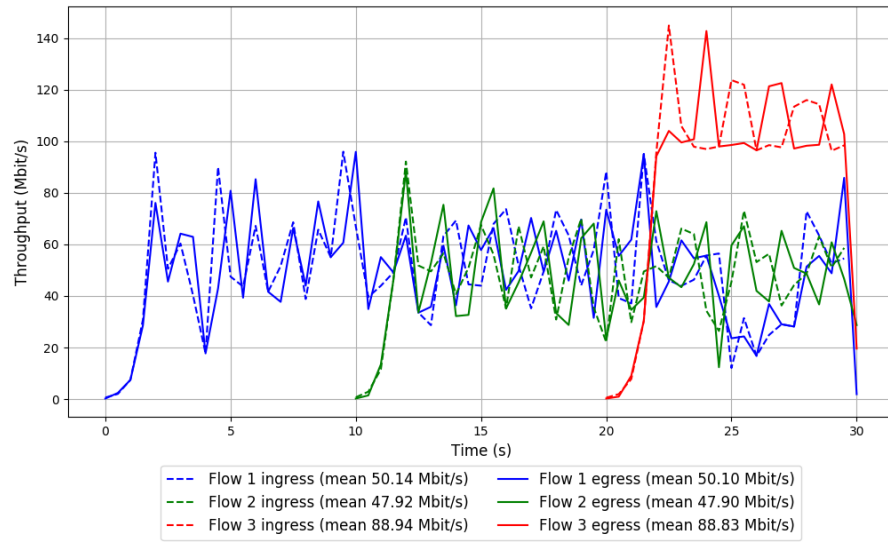
-- Flow 3:

Average throughput: 88.83 Mbit/s

95th percentile per-packet one-way delay: 123.115 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

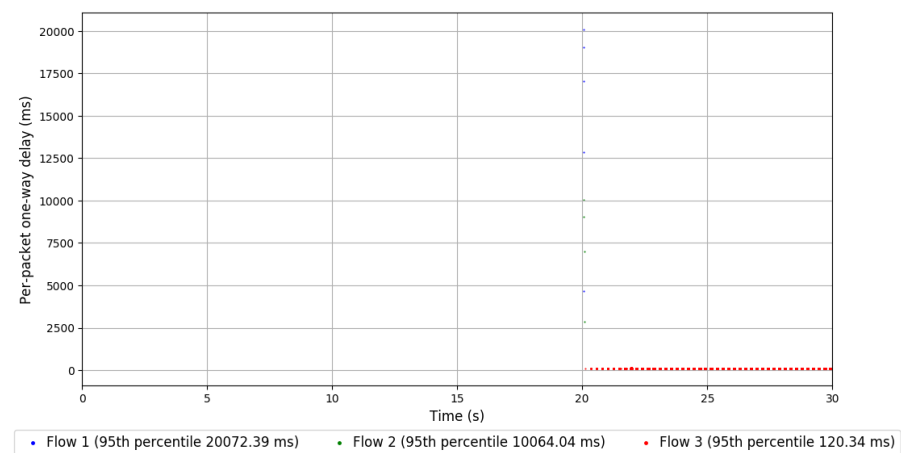
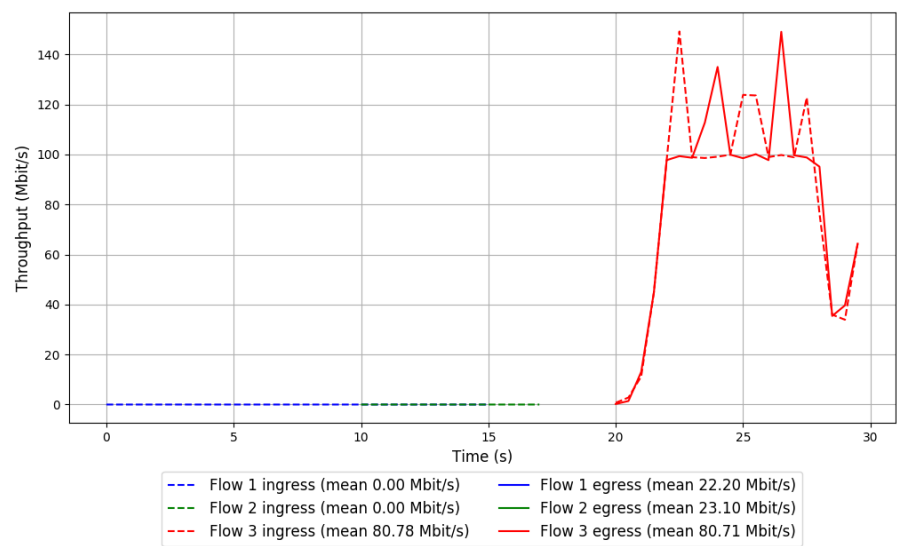


Run 3: Statistics of TCP BBR

Start at: 2018-01-09 15:32:52

End at: 2018-01-09 15:33:22

Run 3: Report of TCP BBR — Data Link

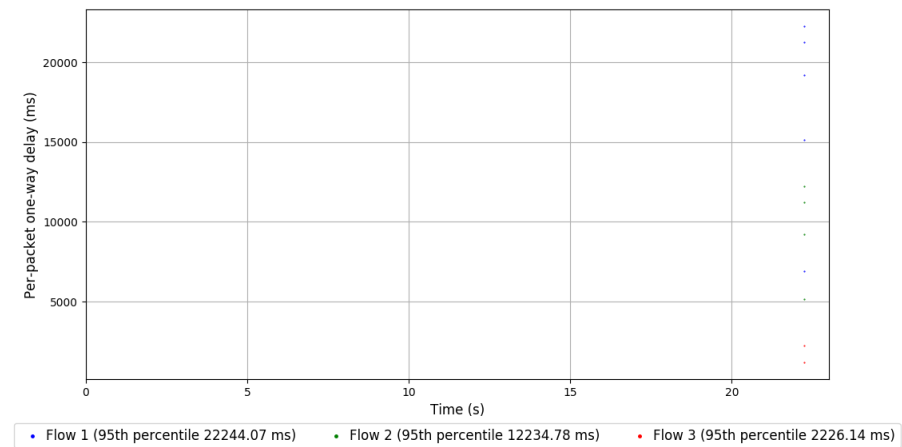
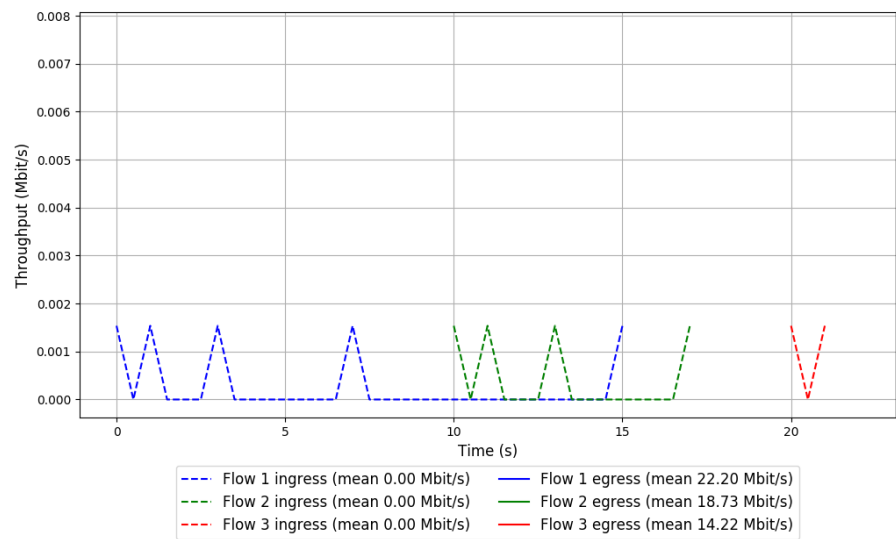


Run 4: Statistics of TCP BBR

Start at: 2018-01-09 15:48:16

End at: 2018-01-09 15:48:46

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-09 16:03:31

End at: 2018-01-09 16:04:01

Below is generated by plot.py at 2018-01-09 18:53:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 123.875 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 45.53 Mbit/s

95th percentile per-packet one-way delay: 122.767 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 41.26 Mbit/s

95th percentile per-packet one-way delay: 123.004 ms

Loss rate: 2.82%

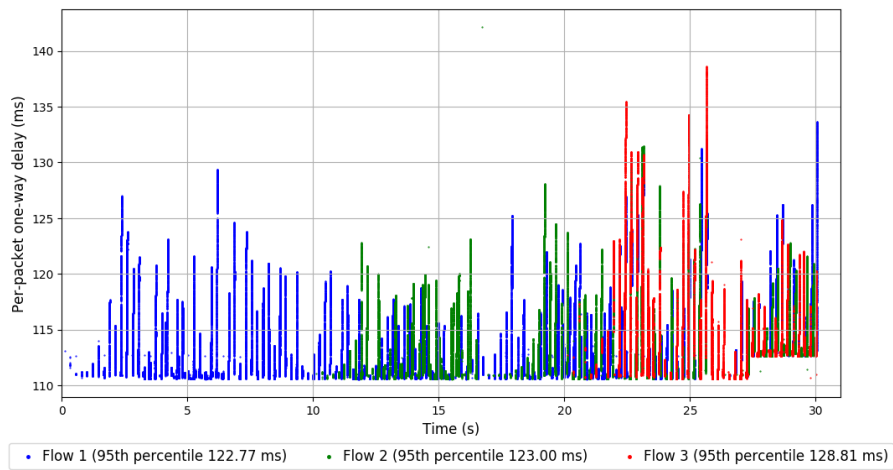
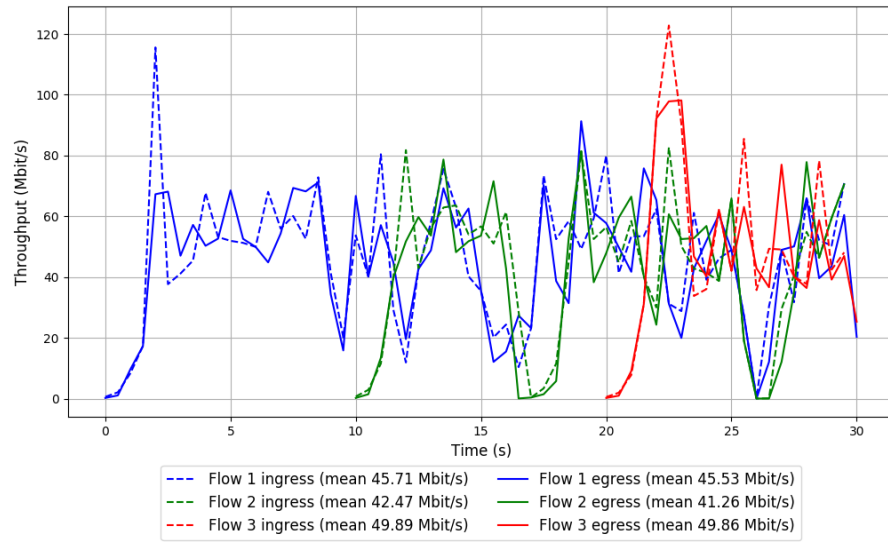
-- Flow 3:

Average throughput: 49.86 Mbit/s

95th percentile per-packet one-way delay: 128.813 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

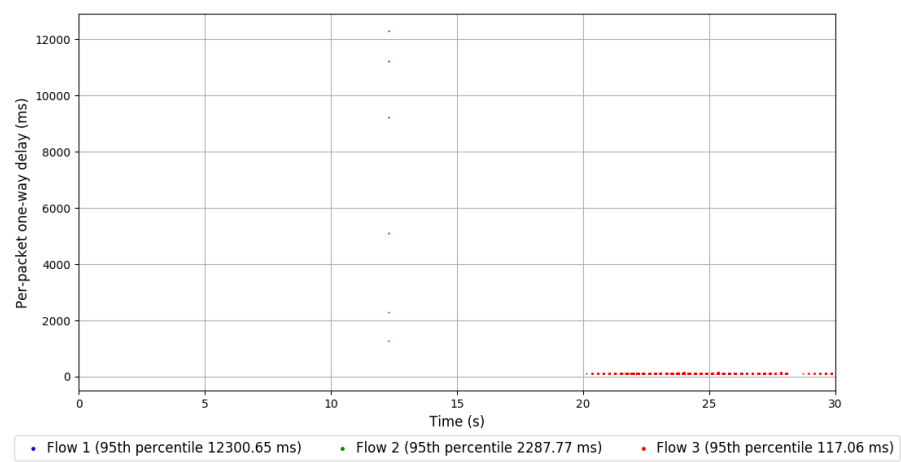
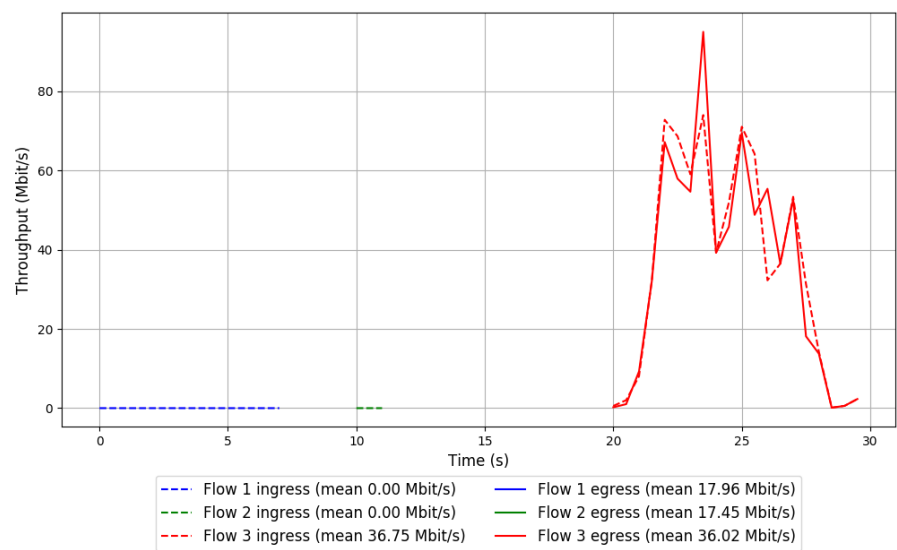


Run 6: Statistics of TCP BBR

Start at: 2018-01-09 16:18:22

End at: 2018-01-09 16:18:52

Run 6: Report of TCP BBR — Data Link

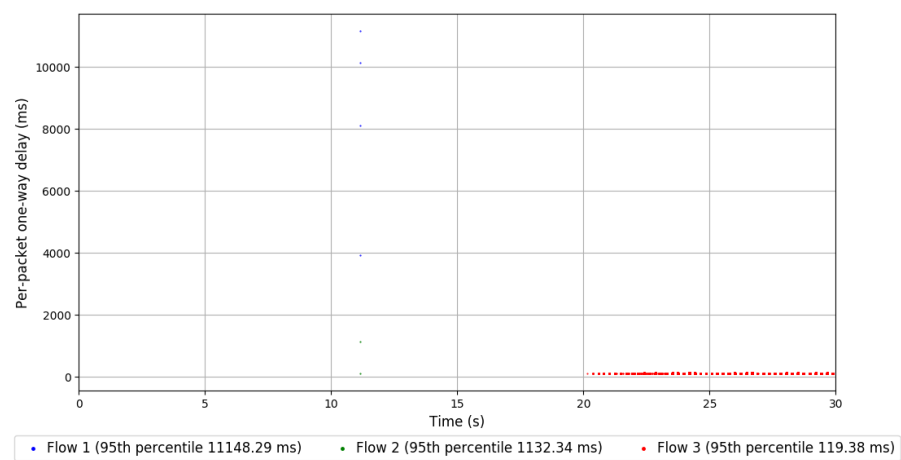
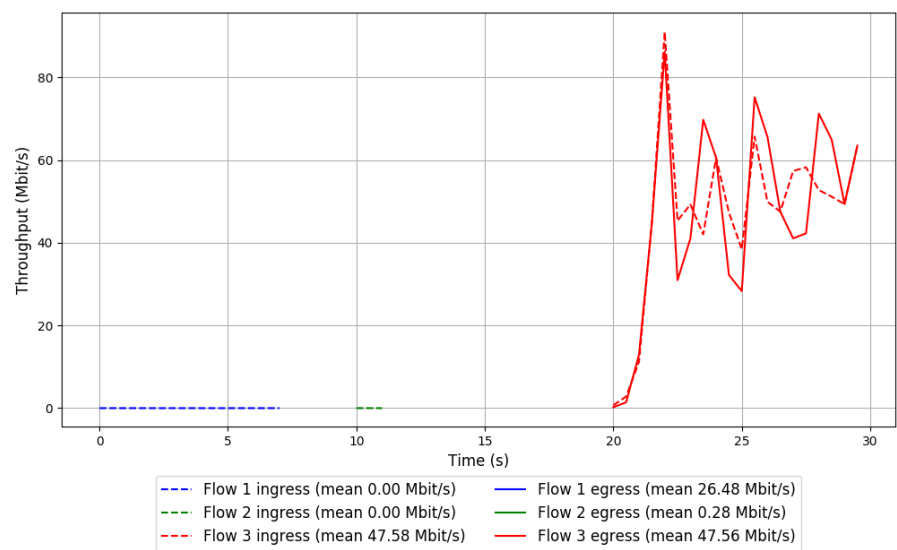


Run 7: Statistics of TCP BBR

Start at: 2018-01-09 16:33:51

End at: 2018-01-09 16:34:21

Run 7: Report of TCP BBR — Data Link

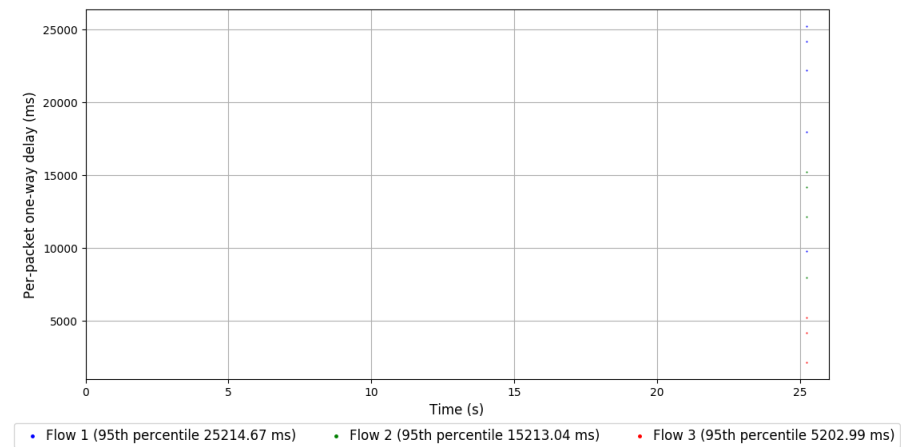
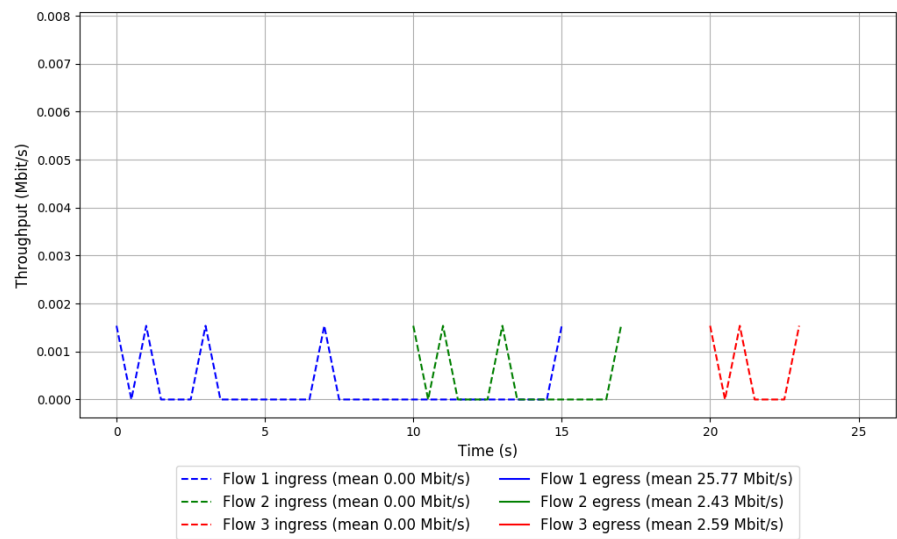


Run 8: Statistics of TCP BBR

Start at: 2018-01-09 16:48:52

End at: 2018-01-09 16:49:22

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-09 17:04:05

End at: 2018-01-09 17:04:35

Below is generated by plot.py at 2018-01-09 18:53:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 124.407 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.24 Mbit/s

95th percentile per-packet one-way delay: 123.035 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.84 Mbit/s

95th percentile per-packet one-way delay: 124.752 ms

Loss rate: 0.00%

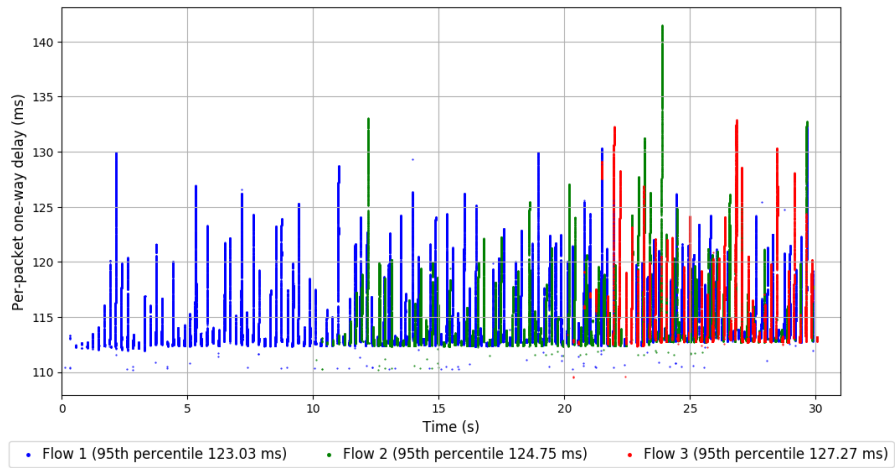
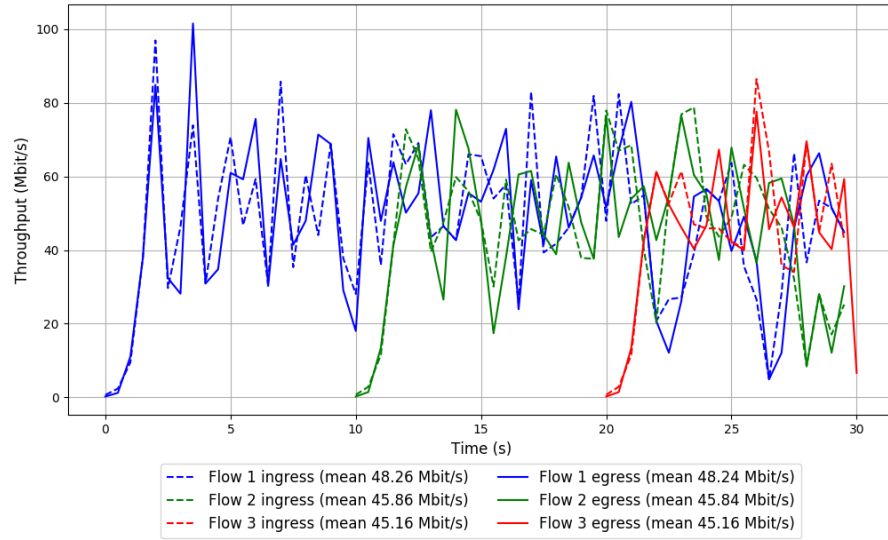
-- Flow 3:

Average throughput: 45.16 Mbit/s

95th percentile per-packet one-way delay: 127.269 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-09 17:18:24

End at: 2018-01-09 17:18:54

Below is generated by plot.py at 2018-01-09 18:53:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.78 Mbit/s

95th percentile per-packet one-way delay: 120.985 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 121.421 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 120.666 ms

Loss rate: 0.34%

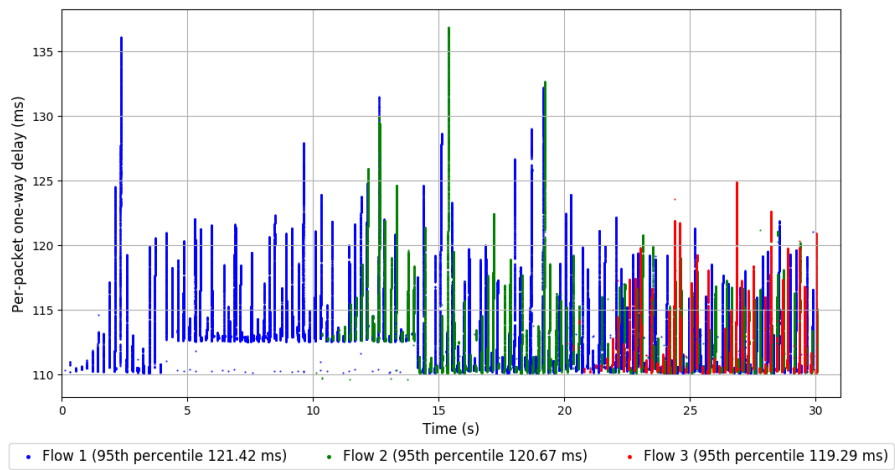
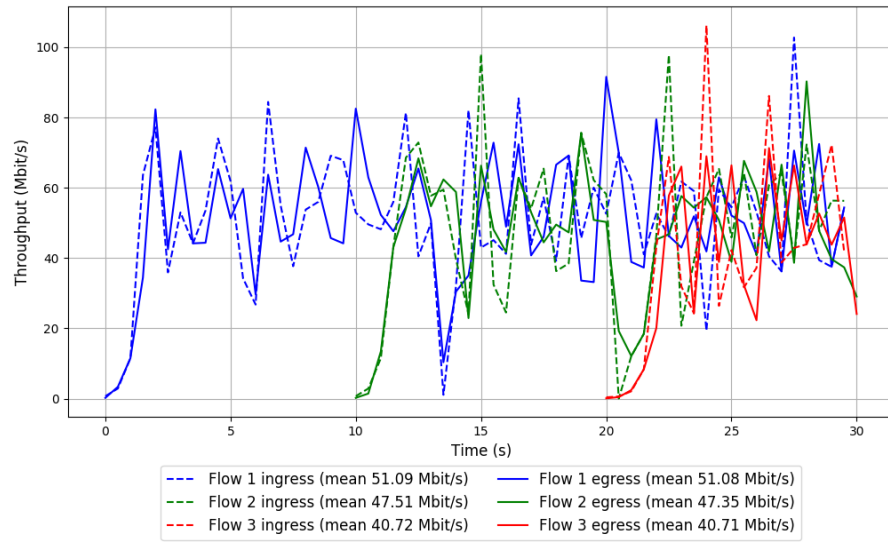
-- Flow 3:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 119.287 ms

Loss rate: 0.02%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-09 15:02:50

End at: 2018-01-09 15:03:20

Below is generated by plot.py at 2018-01-09 18:53:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.79 Mbit/s

95th percentile per-packet one-way delay: 118.435 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 66.43 Mbit/s

95th percentile per-packet one-way delay: 117.914 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.40 Mbit/s

95th percentile per-packet one-way delay: 119.237 ms

Loss rate: 0.54%

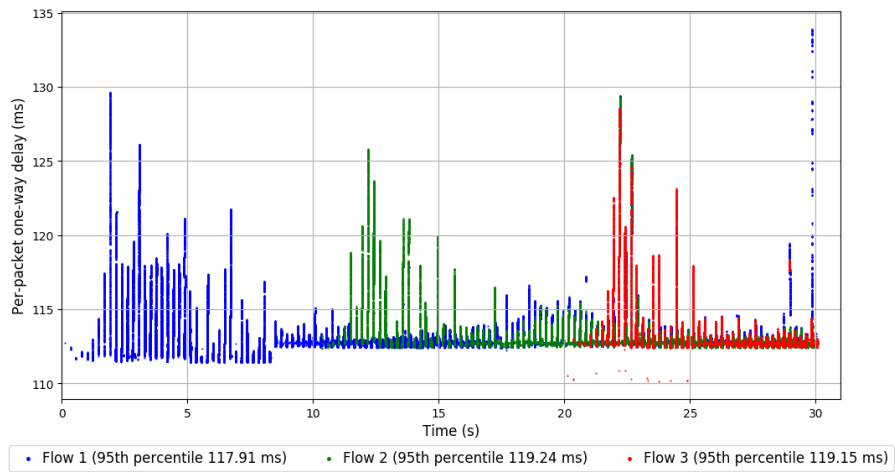
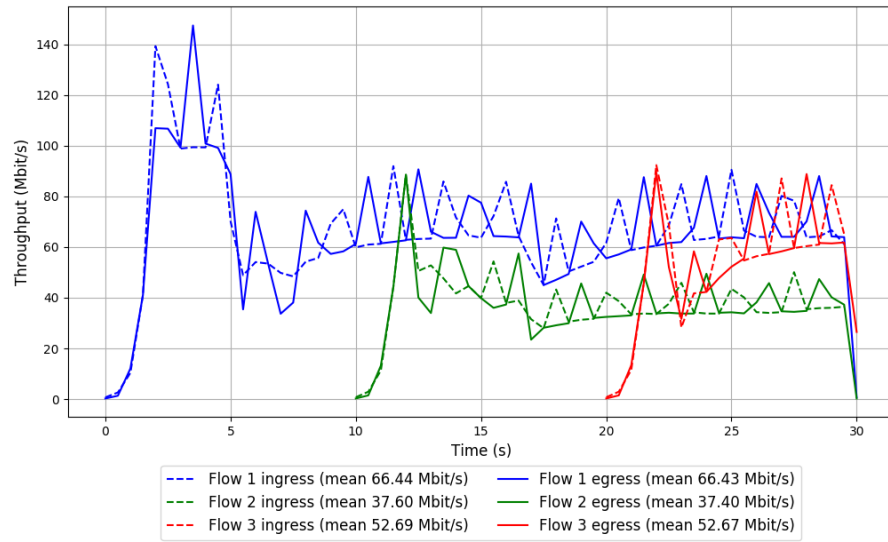
-- Flow 3:

Average throughput: 52.67 Mbit/s

95th percentile per-packet one-way delay: 119.147 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-09 15:18:12

End at: 2018-01-09 15:18:42

Below is generated by plot.py at 2018-01-09 18:53:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.34 Mbit/s

95th percentile per-packet one-way delay: 119.866 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 41.51 Mbit/s

95th percentile per-packet one-way delay: 120.194 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 59.38 Mbit/s

95th percentile per-packet one-way delay: 116.287 ms

Loss rate: 0.60%

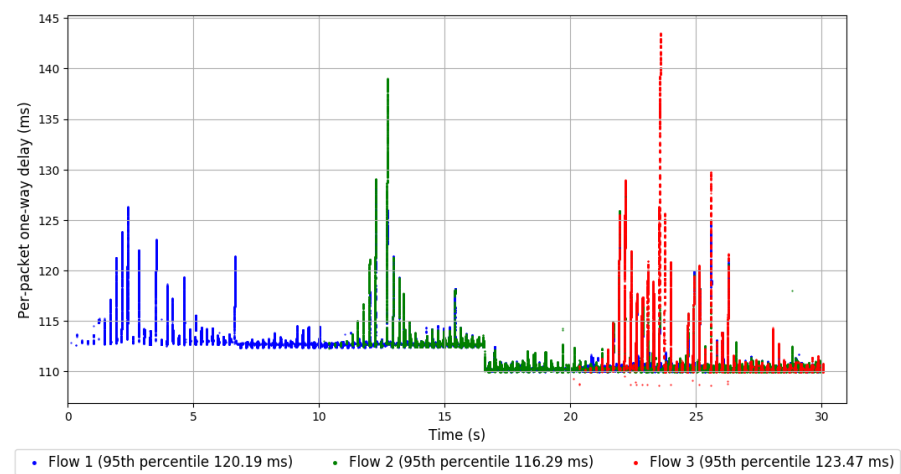
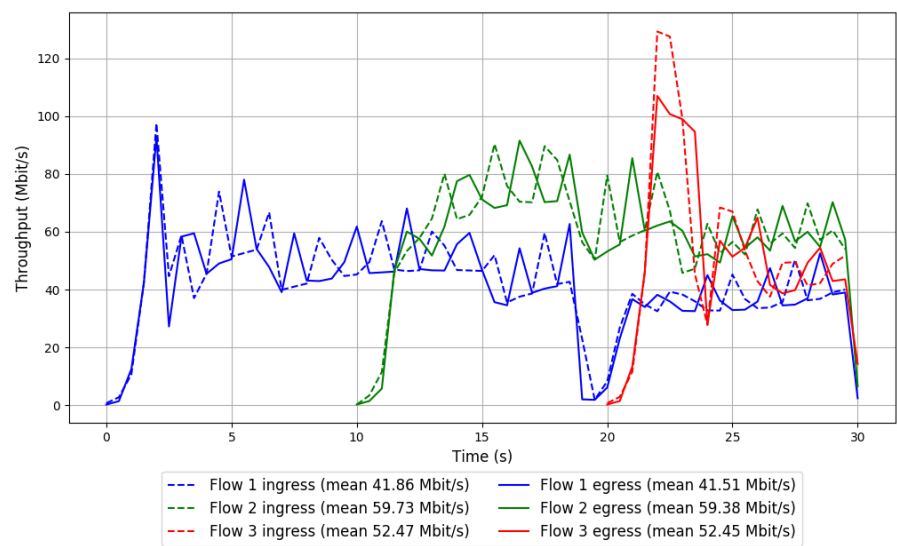
-- Flow 3:

Average throughput: 52.45 Mbit/s

95th percentile per-packet one-way delay: 123.466 ms

Loss rate: 0.02%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-09 15:33:41

End at: 2018-01-09 15:34:11

Below is generated by plot.py at 2018-01-09 18:54:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.37 Mbit/s

95th percentile per-packet one-way delay: 125.349 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 127.092 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.05 Mbit/s

95th percentile per-packet one-way delay: 121.099 ms

Loss rate: 0.01%

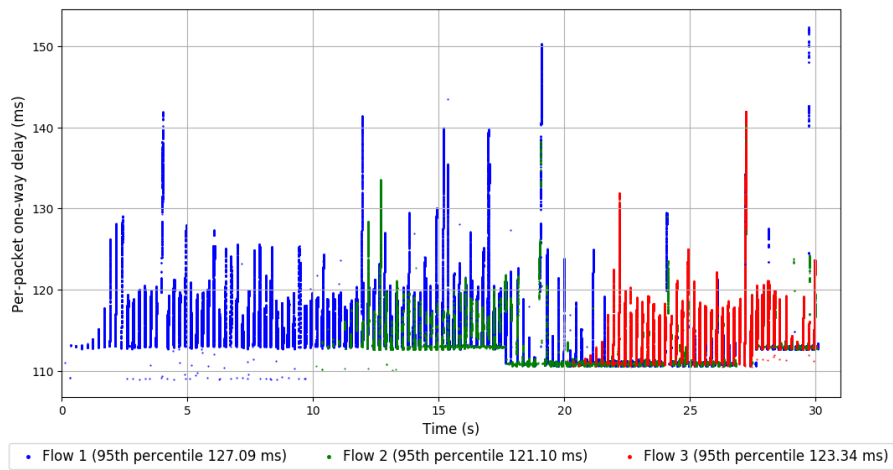
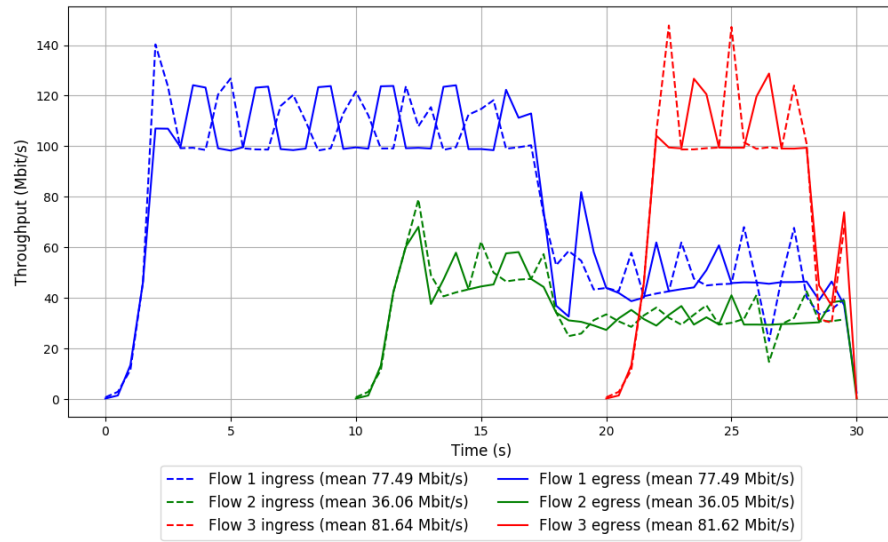
-- Flow 3:

Average throughput: 81.62 Mbit/s

95th percentile per-packet one-way delay: 123.345 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-09 15:49:02

End at: 2018-01-09 15:49:32

Below is generated by plot.py at 2018-01-09 18:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.42 Mbit/s

95th percentile per-packet one-way delay: 119.698 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 62.97 Mbit/s

95th percentile per-packet one-way delay: 115.446 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 122.192 ms

Loss rate: 0.00%

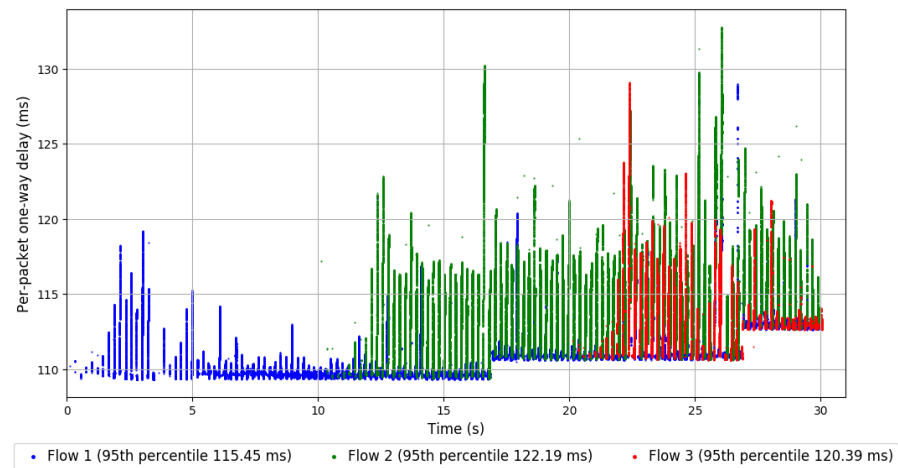
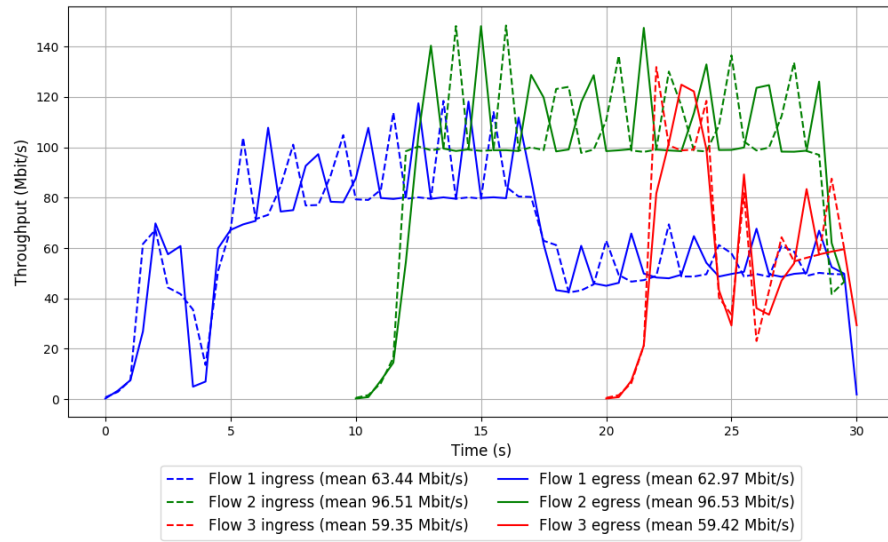
-- Flow 3:

Average throughput: 59.42 Mbit/s

95th percentile per-packet one-way delay: 120.388 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-09 16:04:25

End at: 2018-01-09 16:04:55

Below is generated by plot.py at 2018-01-09 18:55:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.01 Mbit/s

95th percentile per-packet one-way delay: 115.576 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 74.82 Mbit/s

95th percentile per-packet one-way delay: 116.286 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 50.52 Mbit/s

95th percentile per-packet one-way delay: 114.022 ms

Loss rate: 0.00%

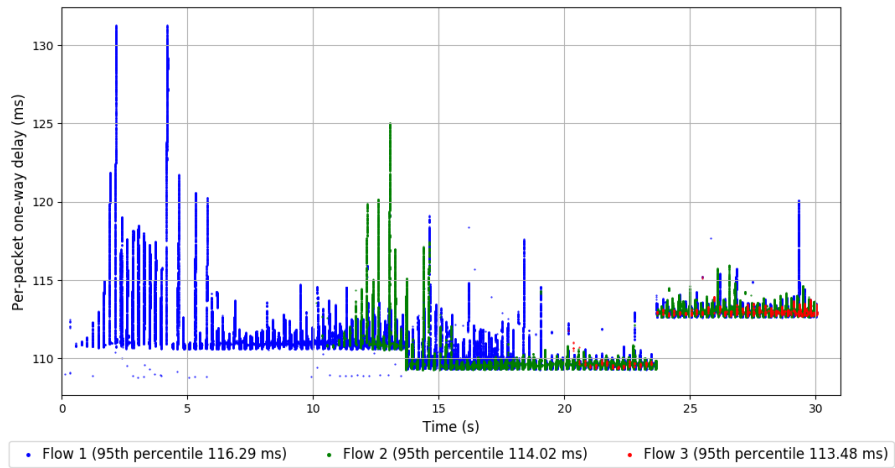
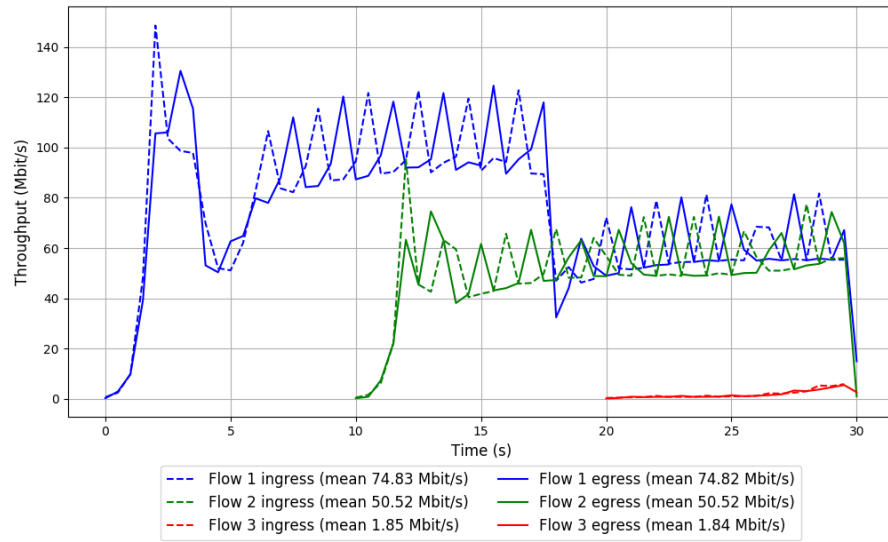
-- Flow 3:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 113.479 ms

Loss rate: 0.33%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-09 16:19:10

End at: 2018-01-09 16:19:40

Below is generated by plot.py at 2018-01-09 18:55:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.97 Mbit/s

95th percentile per-packet one-way delay: 121.797 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 74.62 Mbit/s

95th percentile per-packet one-way delay: 119.214 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 14.81 Mbit/s

95th percentile per-packet one-way delay: 114.233 ms

Loss rate: 0.85%

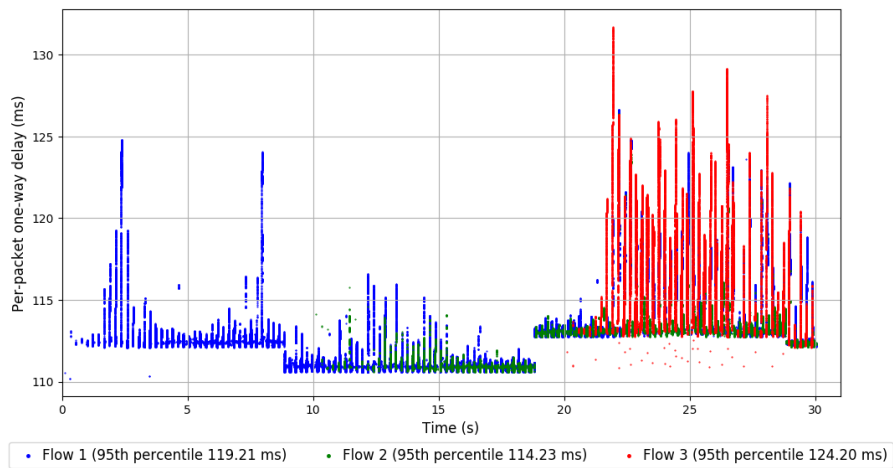
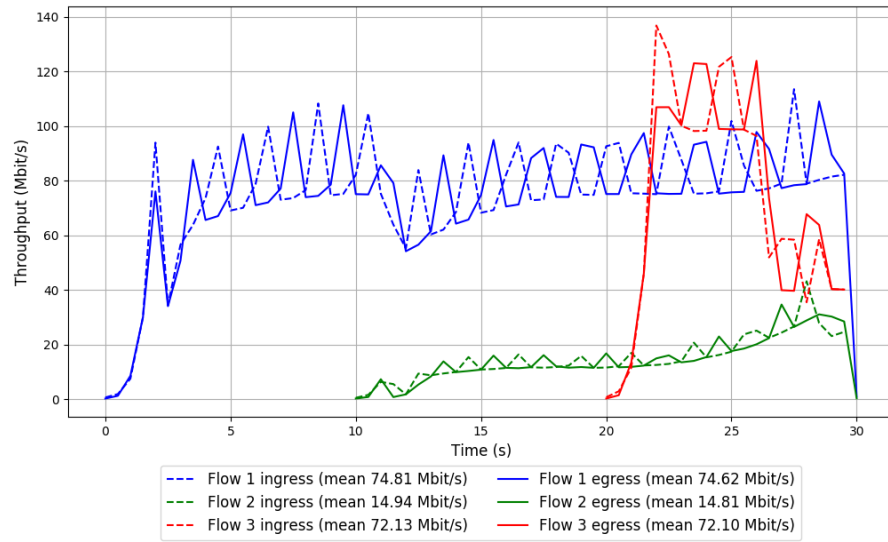
-- Flow 3:

Average throughput: 72.10 Mbit/s

95th percentile per-packet one-way delay: 124.204 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-09 16:34:39

End at: 2018-01-09 16:35:09

Below is generated by plot.py at 2018-01-09 18:55:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 113.57 Mbit/s

95th percentile per-packet one-way delay: 119.680 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.88 Mbit/s

95th percentile per-packet one-way delay: 117.910 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 80.85 Mbit/s

95th percentile per-packet one-way delay: 120.288 ms

Loss rate: 0.00%

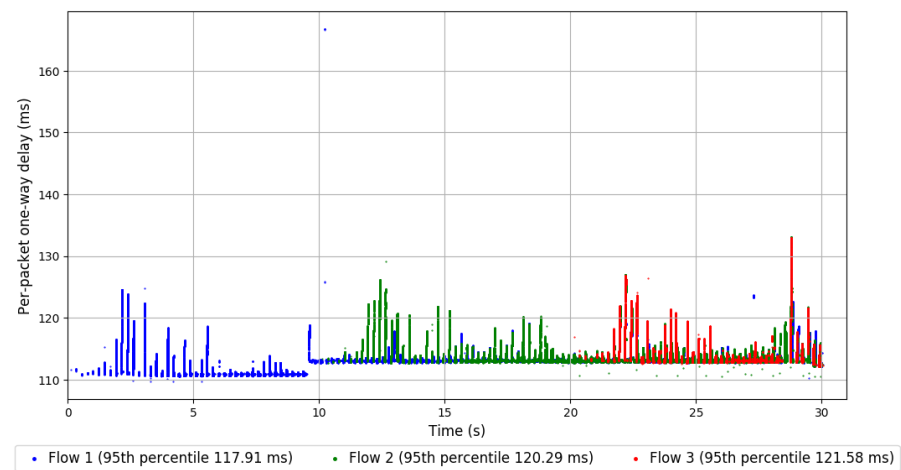
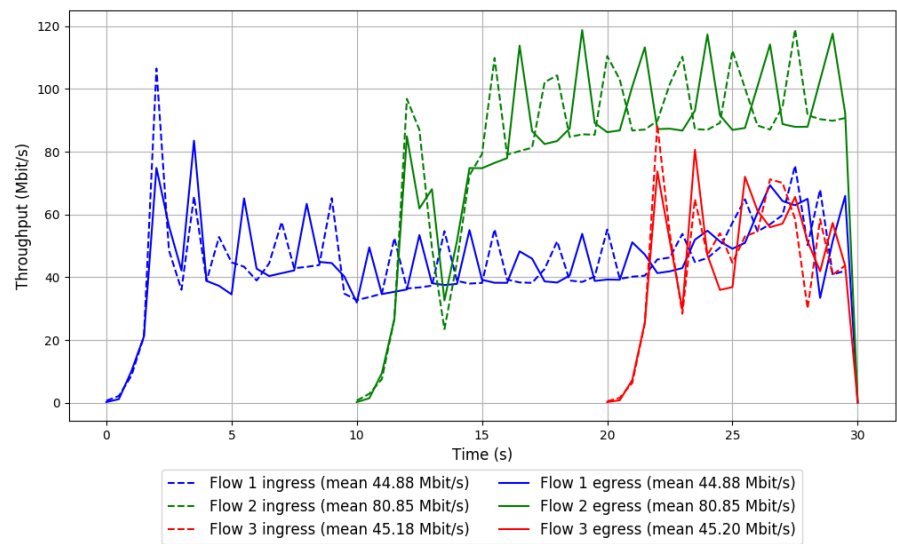
-- Flow 3:

Average throughput: 45.20 Mbit/s

95th percentile per-packet one-way delay: 121.578 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-09 16:49:38

End at: 2018-01-09 16:50:08

Below is generated by plot.py at 2018-01-09 18:55:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 111.07 Mbit/s

95th percentile per-packet one-way delay: 117.489 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 63.77 Mbit/s

95th percentile per-packet one-way delay: 116.491 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 49.02 Mbit/s

95th percentile per-packet one-way delay: 117.975 ms

Loss rate: 0.63%

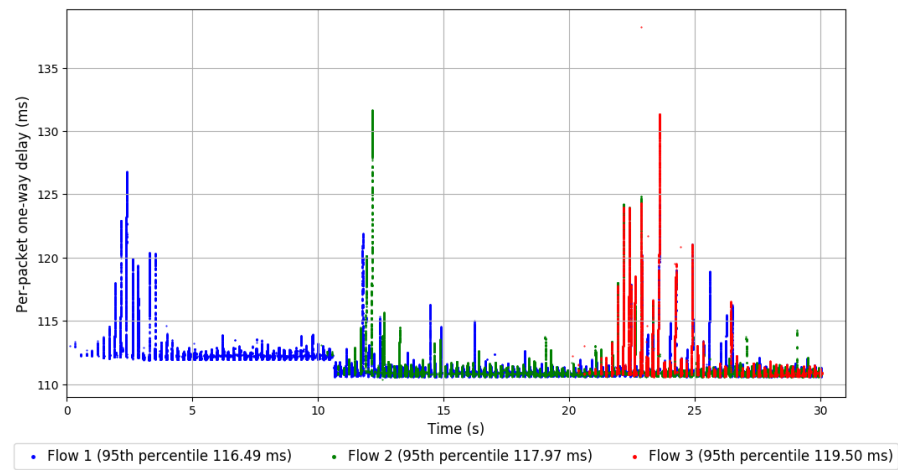
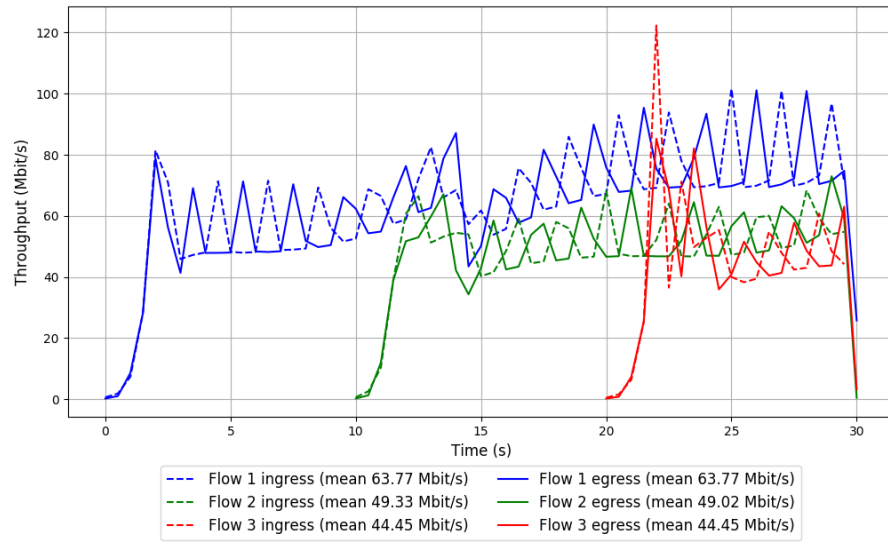
-- Flow 3:

Average throughput: 44.45 Mbit/s

95th percentile per-packet one-way delay: 119.504 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-09 17:04:59

End at: 2018-01-09 17:05:29

Below is generated by plot.py at 2018-01-09 18:55:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.51 Mbit/s

95th percentile per-packet one-way delay: 119.882 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 45.58 Mbit/s

95th percentile per-packet one-way delay: 115.793 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 66.90 Mbit/s

95th percentile per-packet one-way delay: 120.392 ms

Loss rate: 0.00%

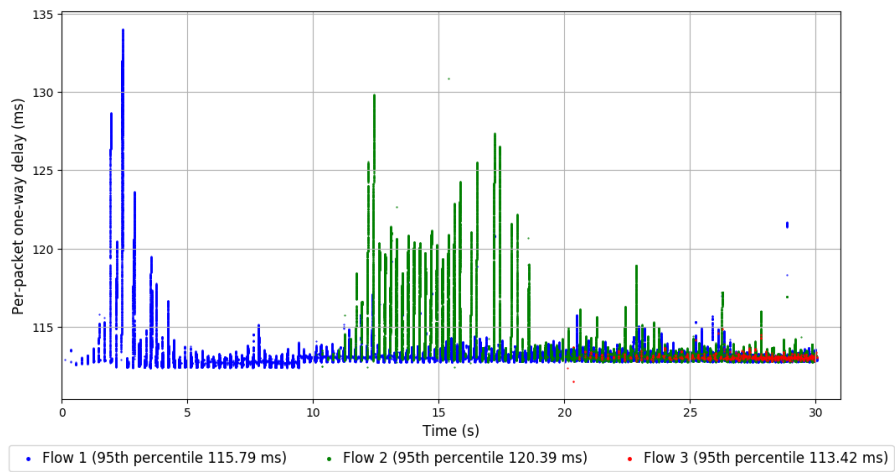
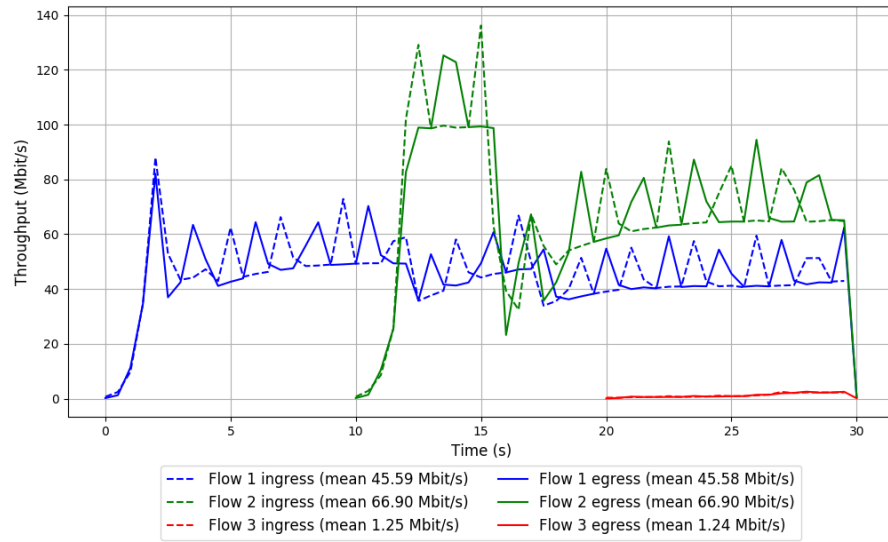
-- Flow 3:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 113.416 ms

Loss rate: 0.68%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-09 17:19:18

End at: 2018-01-09 17:19:48

Below is generated by plot.py at 2018-01-09 18:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.56 Mbit/s

95th percentile per-packet one-way delay: 120.777 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 51.64 Mbit/s

95th percentile per-packet one-way delay: 118.503 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 122.322 ms

Loss rate: 0.00%

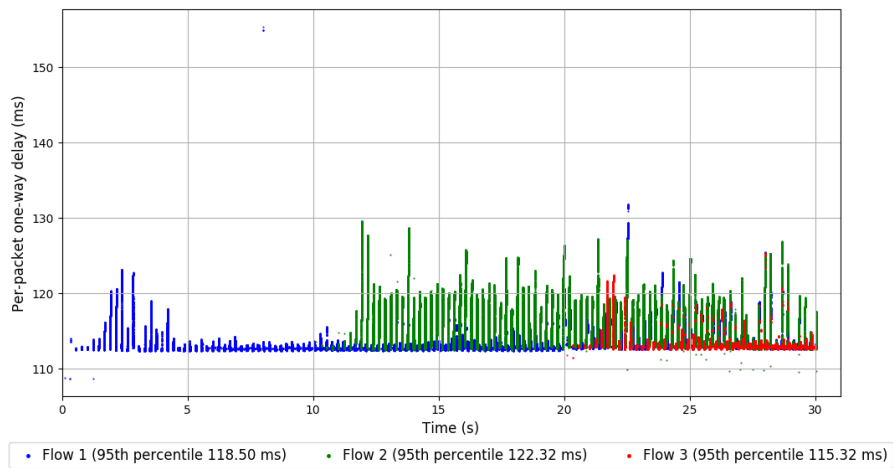
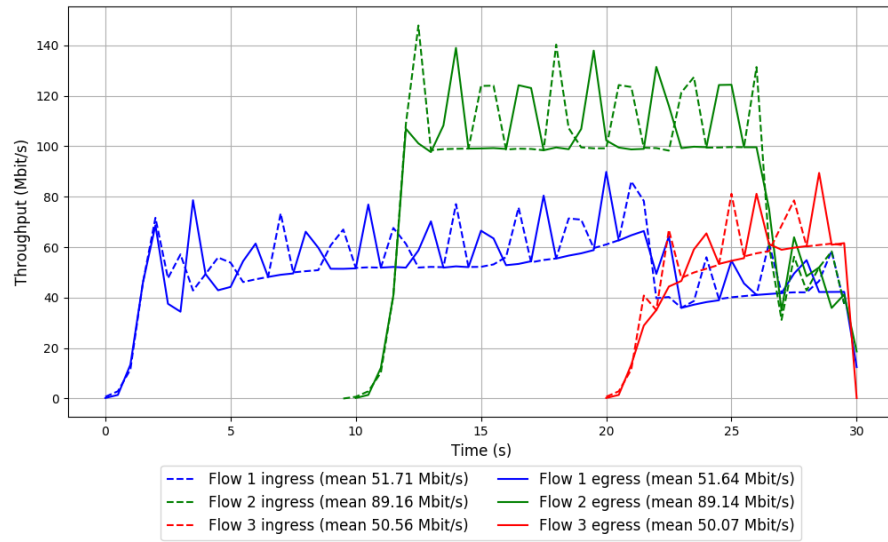
-- Flow 3:

Average throughput: 50.07 Mbit/s

95th percentile per-packet one-way delay: 115.322 ms

Loss rate: 1.19%

Run 10: Report of TCP Cubic — Data Link

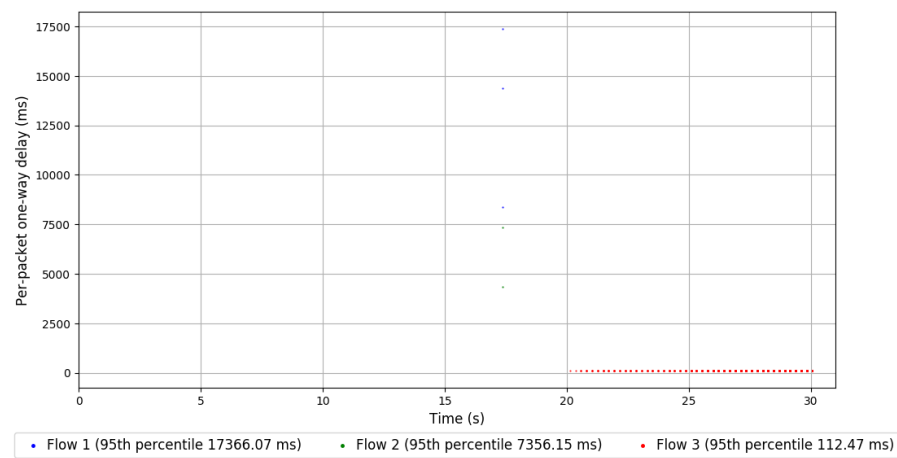
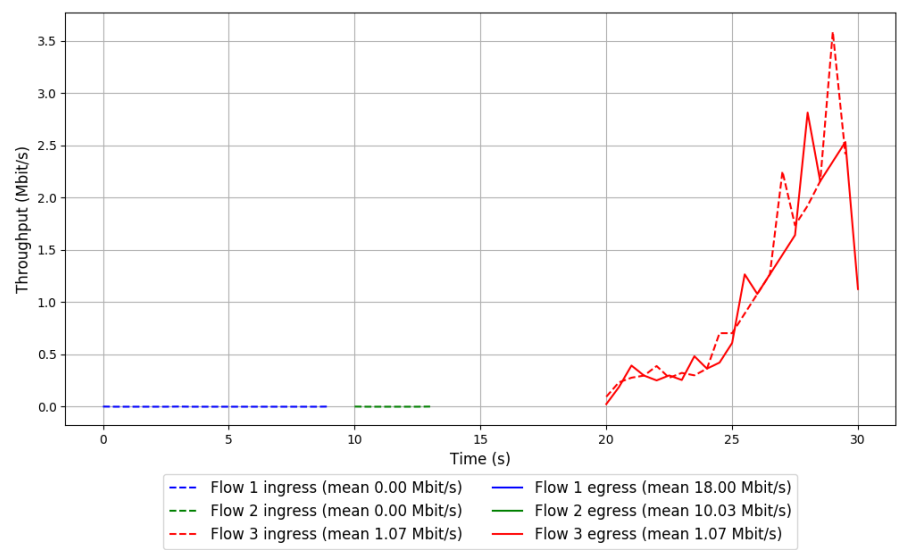


Run 1: Statistics of LEDBAT

Start at: 2018-01-09 15:00:03

End at: 2018-01-09 15:00:33

Run 1: Report of LEDBAT — Data Link

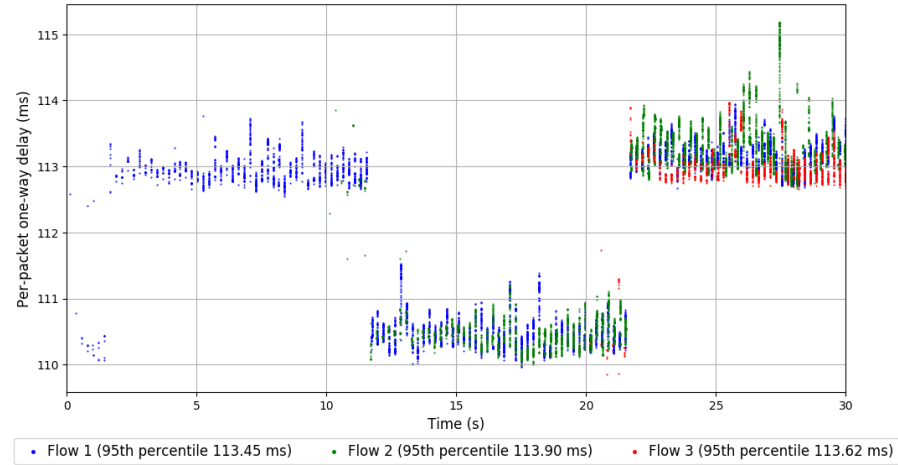
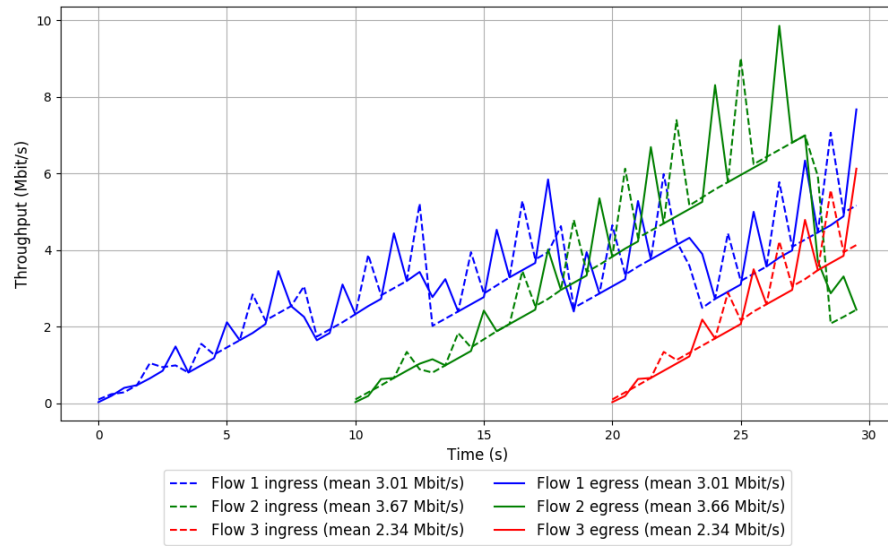


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-09 15:15:17
End at: 2018-01-09 15:15:47

# Below is generated by plot.py at 2018-01-09 18:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 113.636 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 113.451 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 113.898 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 113.617 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-09 15:30:54

End at: 2018-01-09 15:31:24

Below is generated by plot.py at 2018-01-09 18:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 113.330 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 113.399 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 113.236 ms

Loss rate: 0.07%

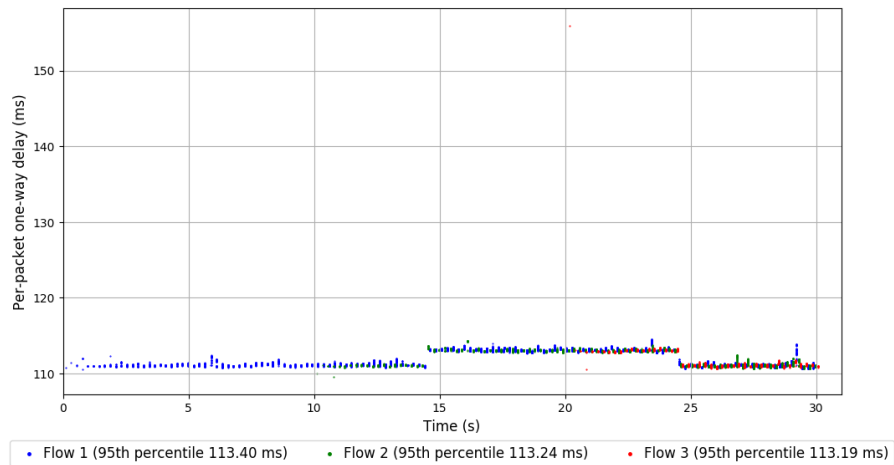
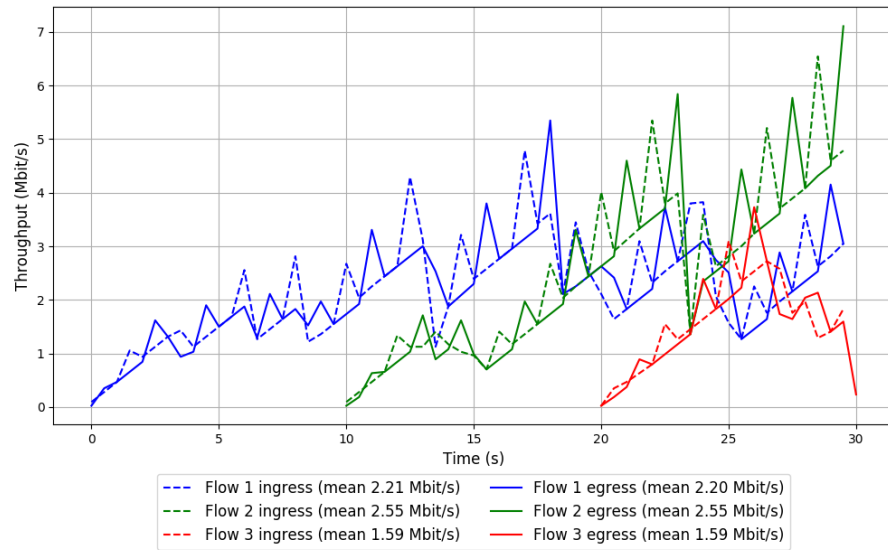
-- Flow 3:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 113.190 ms

Loss rate: 0.15%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-09 15:46:17

End at: 2018-01-09 15:46:47

Below is generated by plot.py at 2018-01-09 18:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 113.386 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 113.414 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 113.374 ms

Loss rate: 0.08%

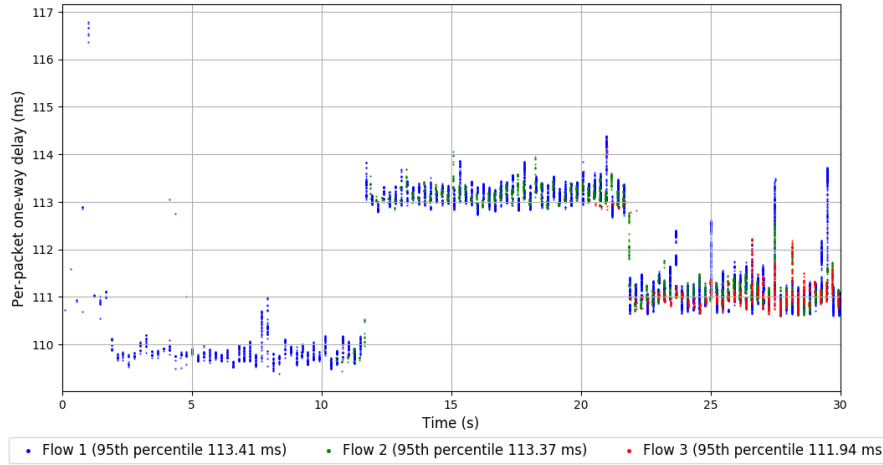
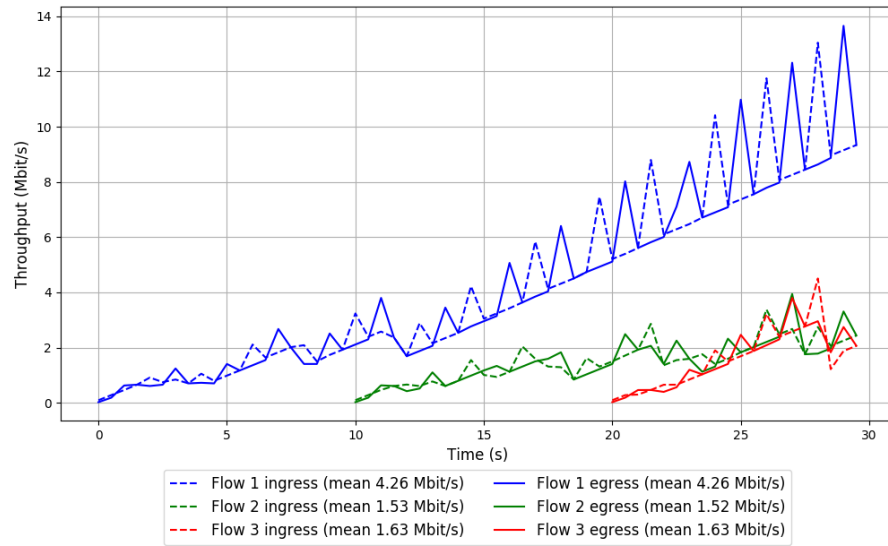
-- Flow 3:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 111.938 ms

Loss rate: 0.22%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-09 16:01:34

End at: 2018-01-09 16:02:04

Below is generated by plot.py at 2018-01-09 18:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 113.684 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: 113.741 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 113.641 ms

Loss rate: 0.00%

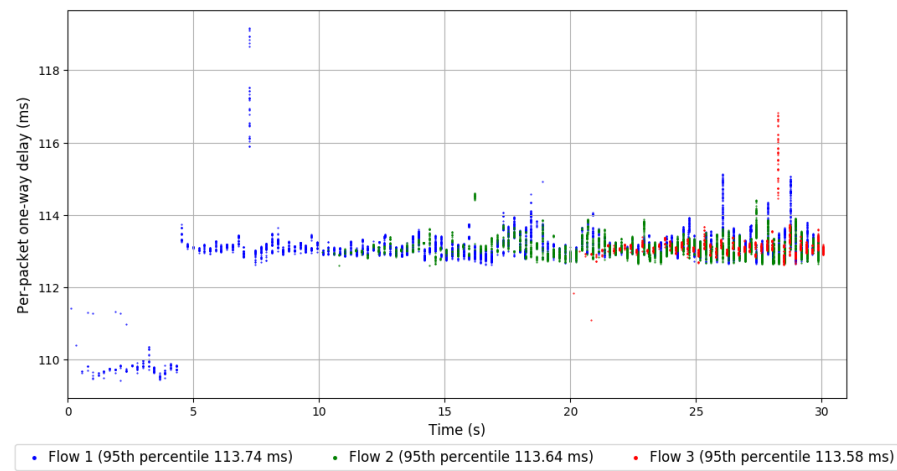
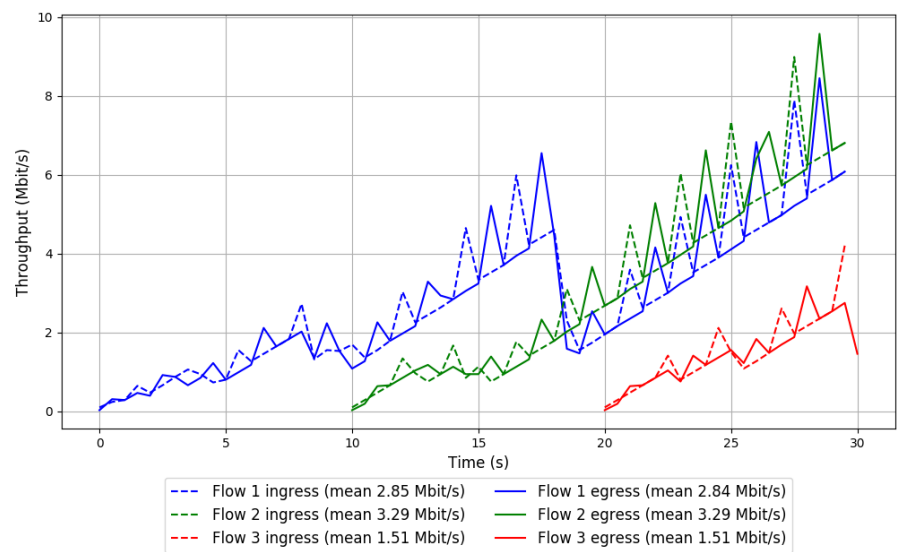
-- Flow 3:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 113.585 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-09 16:16:24

End at: 2018-01-09 16:16:54

Below is generated by plot.py at 2018-01-09 18:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 113.904 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 113.951 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 113.996 ms

Loss rate: 0.00%

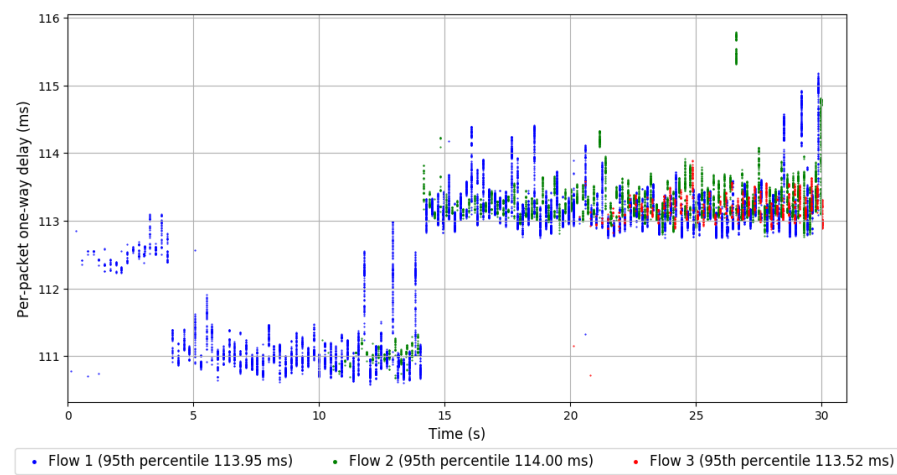
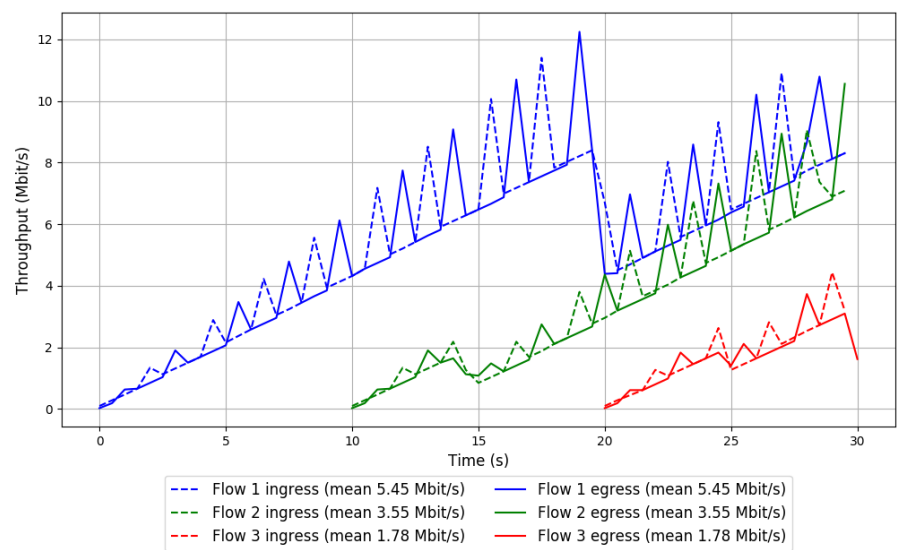
-- Flow 3:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 113.516 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

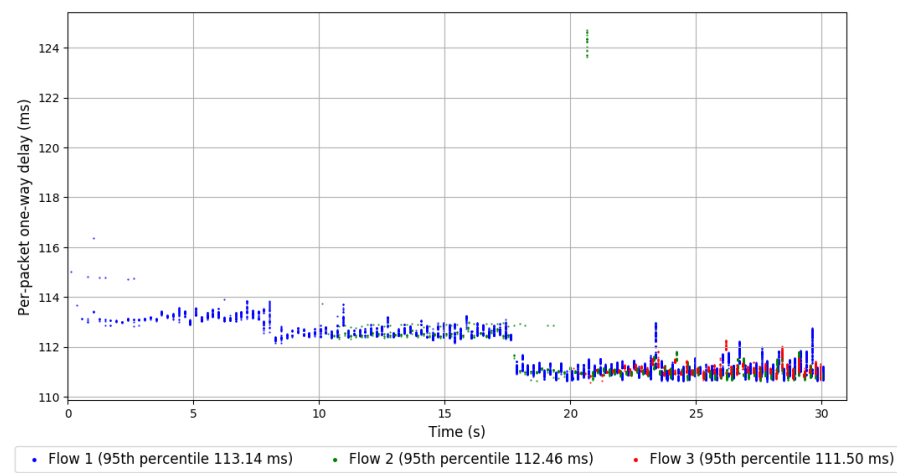
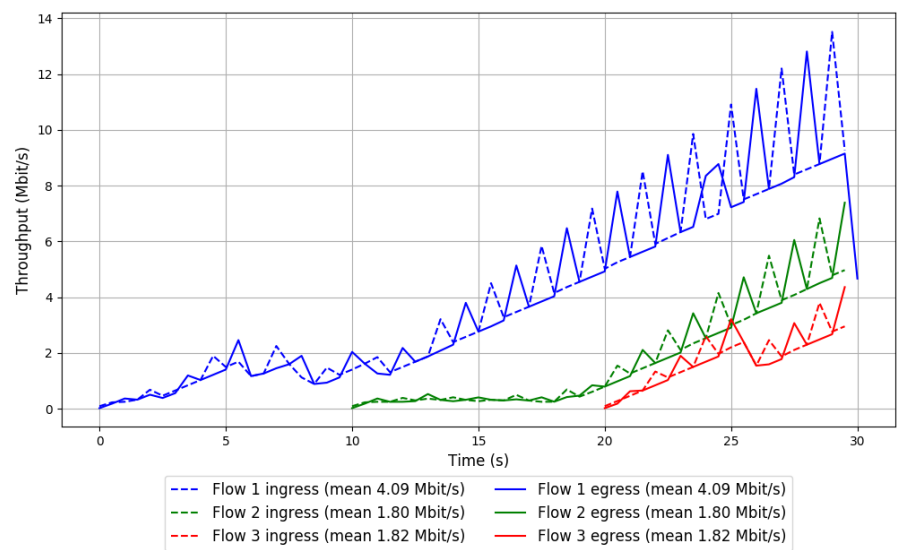


```
Run 7: Statistics of LEDBAT

Start at: 2018-01-09 16:31:51
End at: 2018-01-09 16:32:21

# Below is generated by plot.py at 2018-01-09 18:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 112.998 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 113.141 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 112.462 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 111.502 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

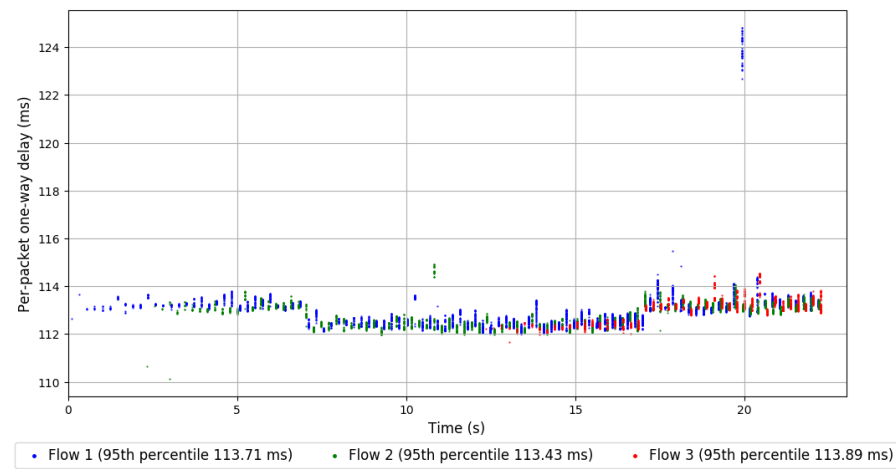
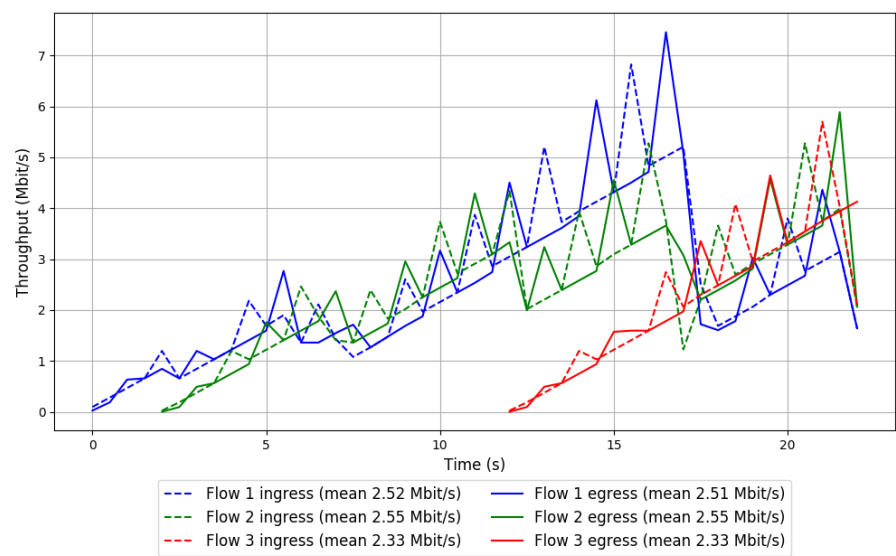


Run 8: Statistics of LEDBAT

Start at: 2018-01-09 16:46:54

End at: 2018-01-09 16:47:24

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-09 17:02:04

End at: 2018-01-09 17:02:34

Below is generated by plot.py at 2018-01-09 18:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 113.718 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 113.562 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 2.85 Mbit/s

95th percentile per-packet one-way delay: 113.852 ms

Loss rate: 0.00%

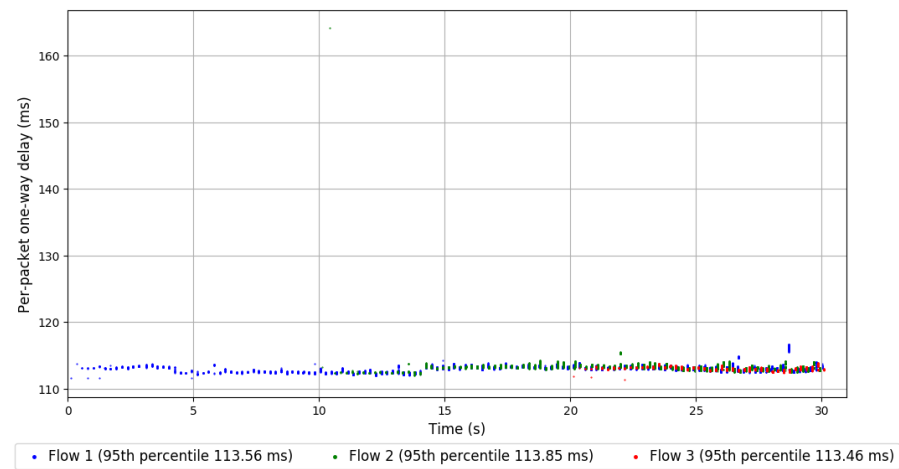
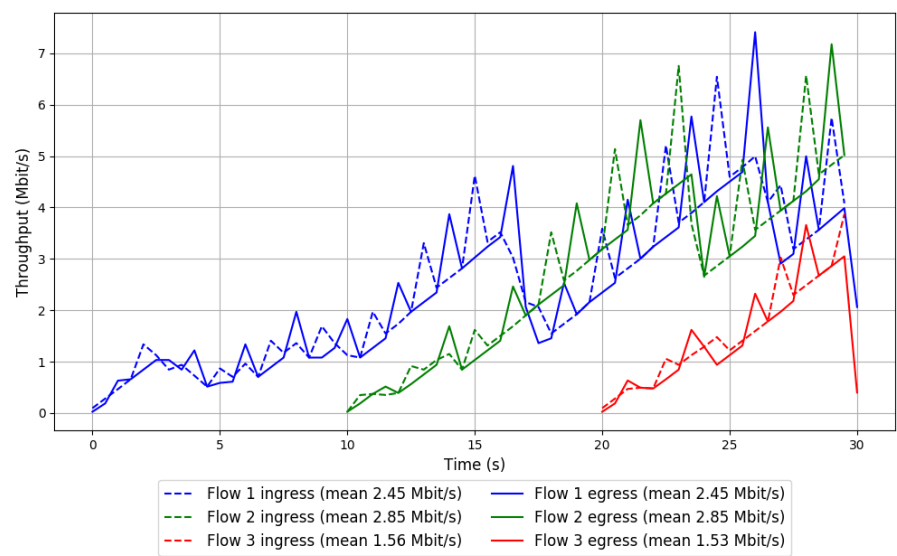
-- Flow 3:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 113.460 ms

Loss rate: 1.37%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-09 17:16:26

End at: 2018-01-09 17:16:56

Below is generated by plot.py at 2018-01-09 18:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 113.719 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.86 Mbit/s

95th percentile per-packet one-way delay: 113.707 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.64 Mbit/s

95th percentile per-packet one-way delay: 113.766 ms

Loss rate: 0.00%

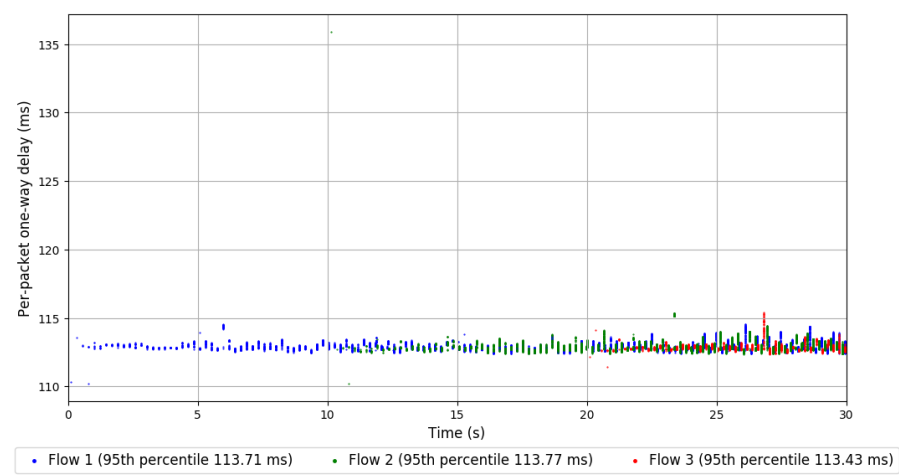
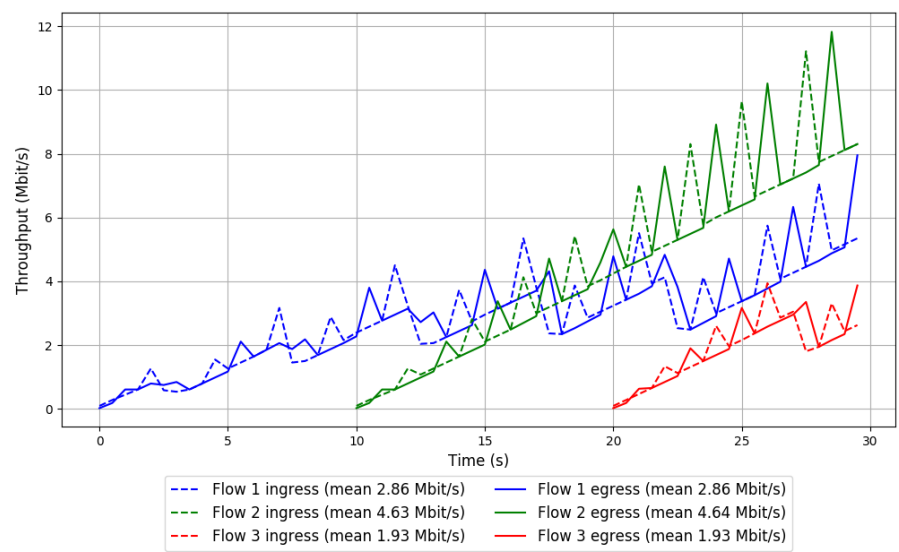
-- Flow 3:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 113.431 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

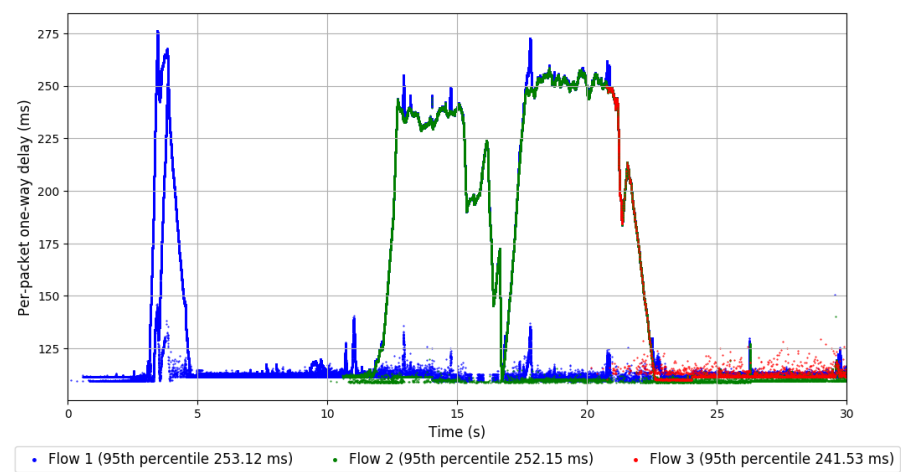
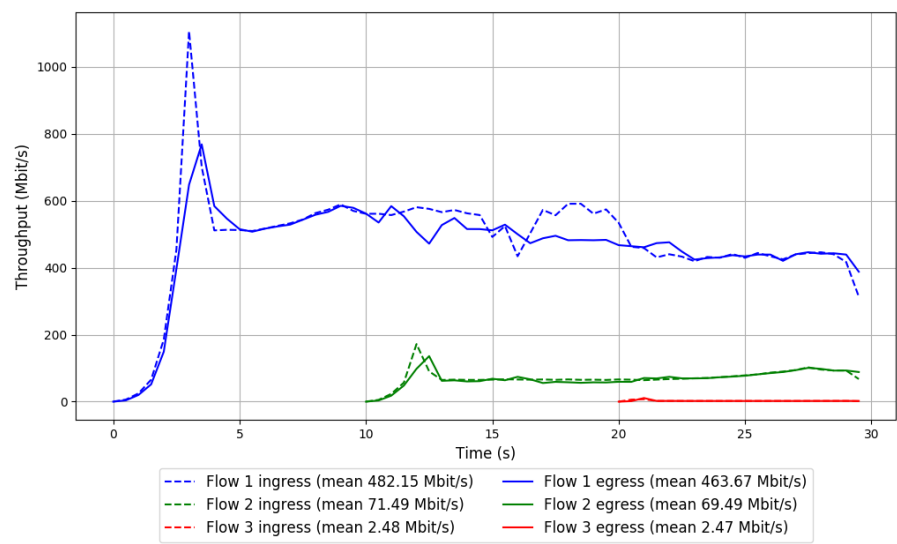


```
Run 1: Statistics of PCC

Start at: 2018-01-09 15:06:44
End at: 2018-01-09 15:07:14

# Below is generated by plot.py at 2018-01-09 19:03:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 510.68 Mbit/s
95th percentile per-packet one-way delay: 252.976 ms
Loss rate: 3.73%
-- Flow 1:
Average throughput: 463.67 Mbit/s
95th percentile per-packet one-way delay: 253.123 ms
Loss rate: 3.82%
-- Flow 2:
Average throughput: 69.49 Mbit/s
95th percentile per-packet one-way delay: 252.145 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 241.535 ms
Loss rate: 0.34%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-09 15:22:22

End at: 2018-01-09 15:22:52

Below is generated by plot.py at 2018-01-09 19:03:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 444.76 Mbit/s

95th percentile per-packet one-way delay: 242.109 ms

Loss rate: 2.50%

-- Flow 1:

Average throughput: 396.26 Mbit/s

95th percentile per-packet one-way delay: 242.691 ms

Loss rate: 2.59%

-- Flow 2:

Average throughput: 64.87 Mbit/s

95th percentile per-packet one-way delay: 240.554 ms

Loss rate: 1.52%

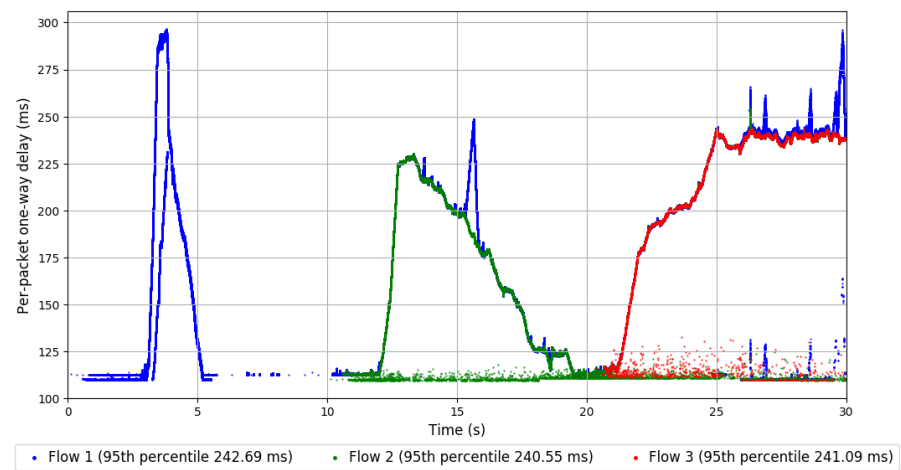
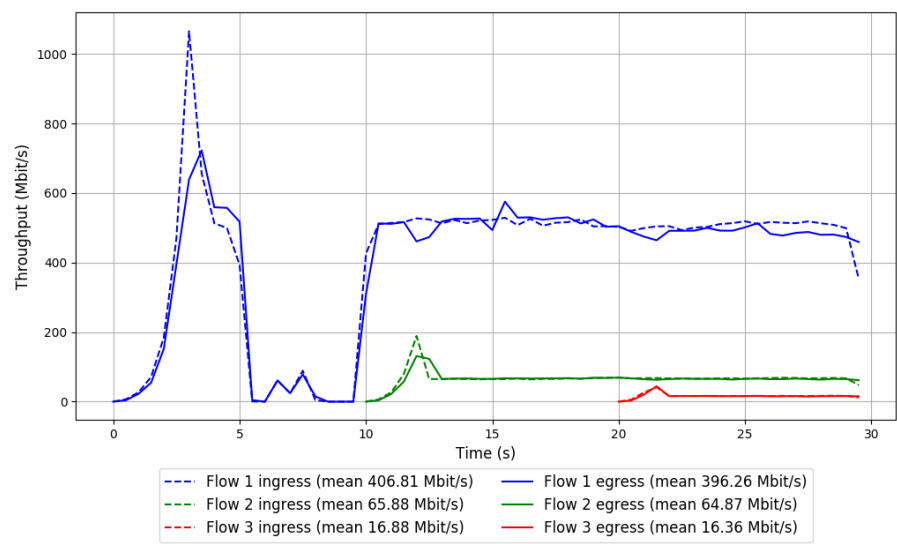
-- Flow 3:

Average throughput: 16.36 Mbit/s

95th percentile per-packet one-way delay: 241.091 ms

Loss rate: 3.12%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-09 15:37:48

End at: 2018-01-09 15:38:18

Below is generated by plot.py at 2018-01-09 19:04:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 524.69 Mbit/s

95th percentile per-packet one-way delay: 239.133 ms

Loss rate: 1.97%

-- Flow 1:

Average throughput: 484.11 Mbit/s

95th percentile per-packet one-way delay: 238.817 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 238.168 ms

Loss rate: 0.84%

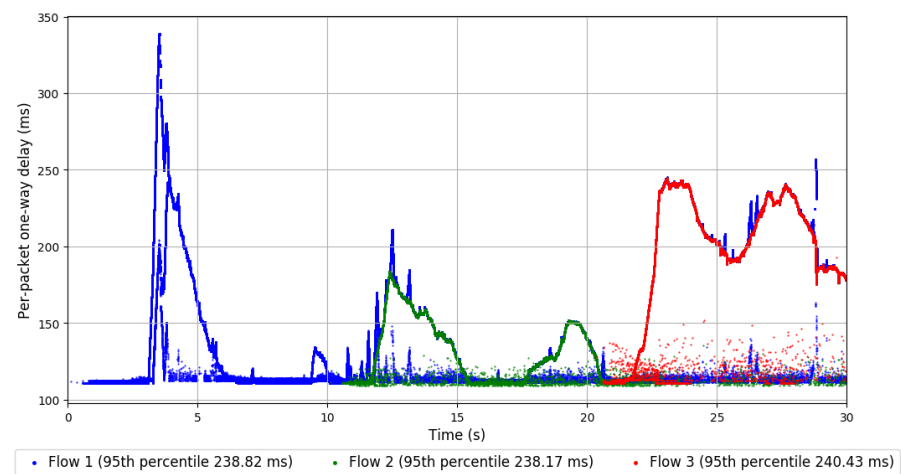
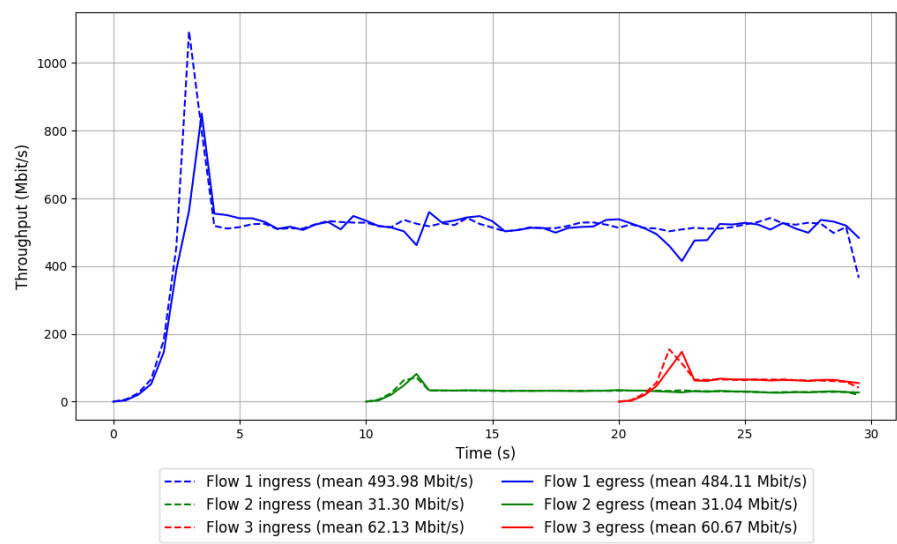
-- Flow 3:

Average throughput: 60.67 Mbit/s

95th percentile per-packet one-way delay: 240.434 ms

Loss rate: 2.37%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-09 15:53:11

End at: 2018-01-09 15:53:41

Below is generated by plot.py at 2018-01-09 19:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 520.31 Mbit/s

95th percentile per-packet one-way delay: 220.046 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 466.33 Mbit/s

95th percentile per-packet one-way delay: 220.306 ms

Loss rate: 1.90%

-- Flow 2:

Average throughput: 64.93 Mbit/s

95th percentile per-packet one-way delay: 216.366 ms

Loss rate: 0.04%

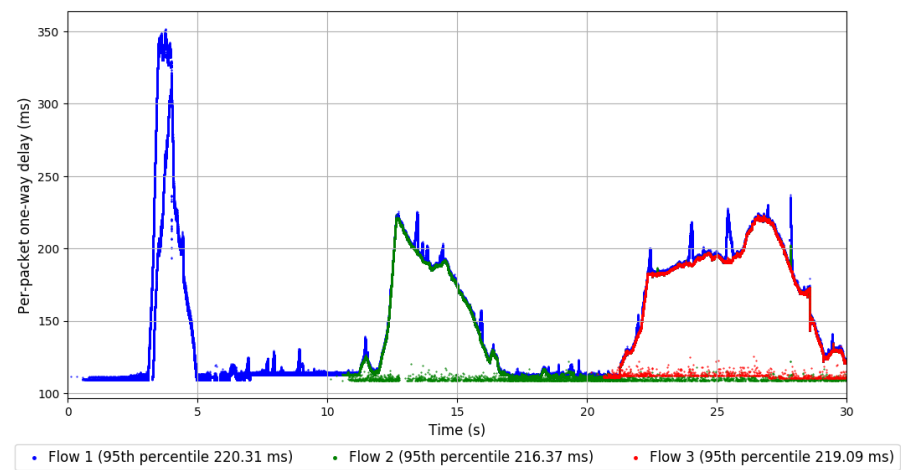
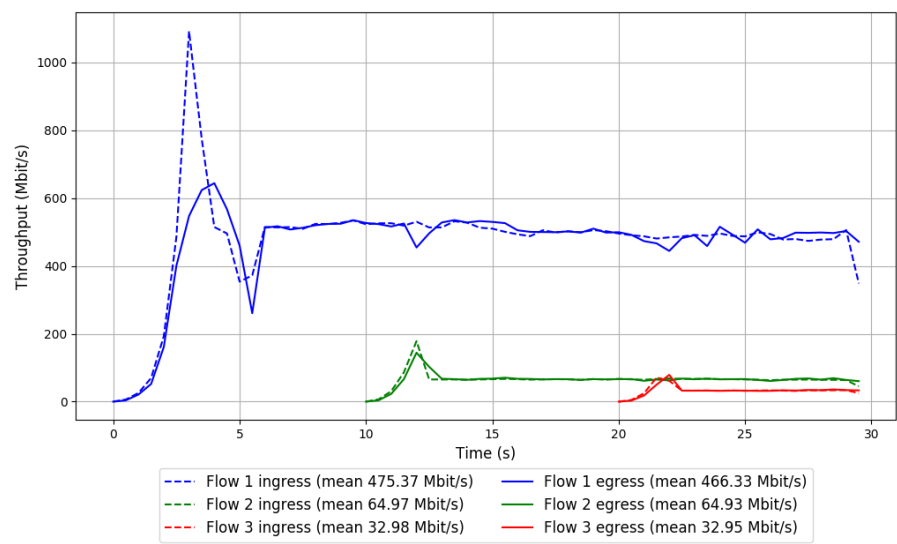
-- Flow 3:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 219.094 ms

Loss rate: 0.10%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-09 16:08:12

End at: 2018-01-09 16:08:42

Below is generated by plot.py at 2018-01-09 19:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 508.88 Mbit/s

95th percentile per-packet one-way delay: 242.251 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 475.90 Mbit/s

95th percentile per-packet one-way delay: 242.870 ms

Loss rate: 1.51%

-- Flow 2:

Average throughput: 33.15 Mbit/s

95th percentile per-packet one-way delay: 233.072 ms

Loss rate: 0.09%

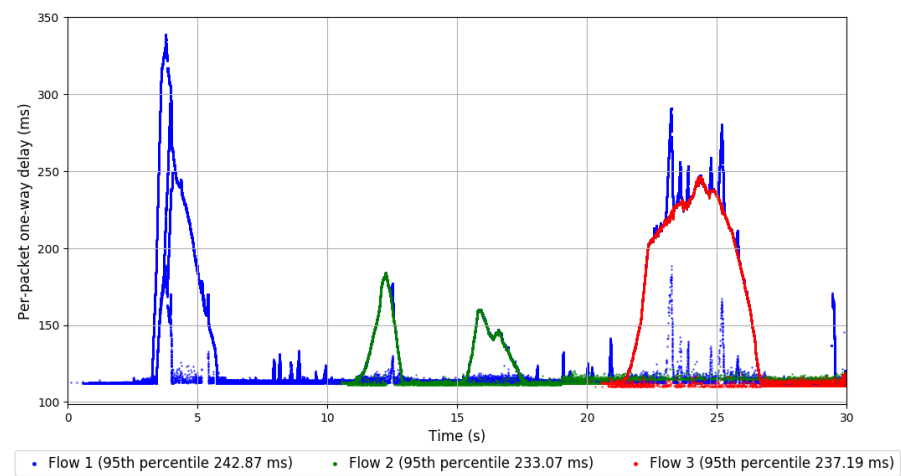
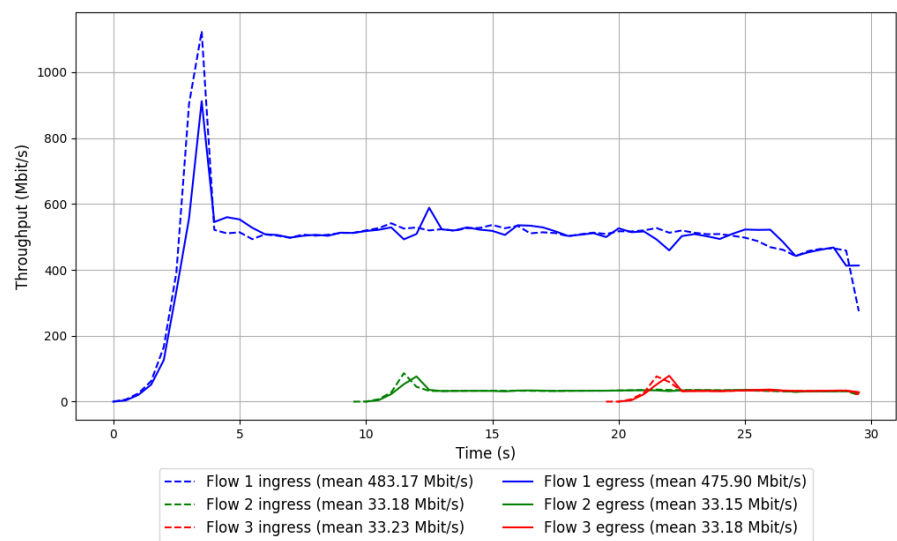
-- Flow 3:

Average throughput: 33.18 Mbit/s

95th percentile per-packet one-way delay: 237.191 ms

Loss rate: 0.17%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-09 16:23:19

End at: 2018-01-09 16:23:49

Below is generated by plot.py at 2018-01-09 19:04:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 471.87 Mbit/s

95th percentile per-packet one-way delay: 251.010 ms

Loss rate: 2.30%

-- Flow 1:

Average throughput: 429.14 Mbit/s

95th percentile per-packet one-way delay: 251.365 ms

Loss rate: 2.46%

-- Flow 2:

Average throughput: 63.27 Mbit/s

95th percentile per-packet one-way delay: 249.367 ms

Loss rate: 0.62%

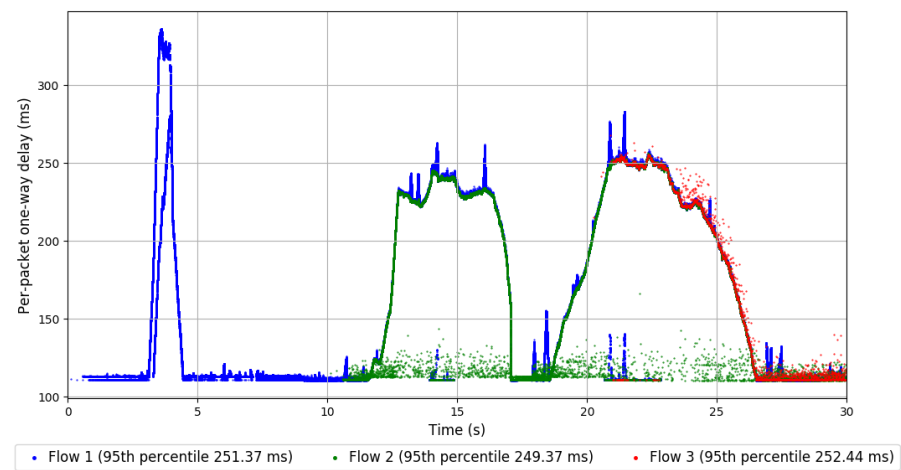
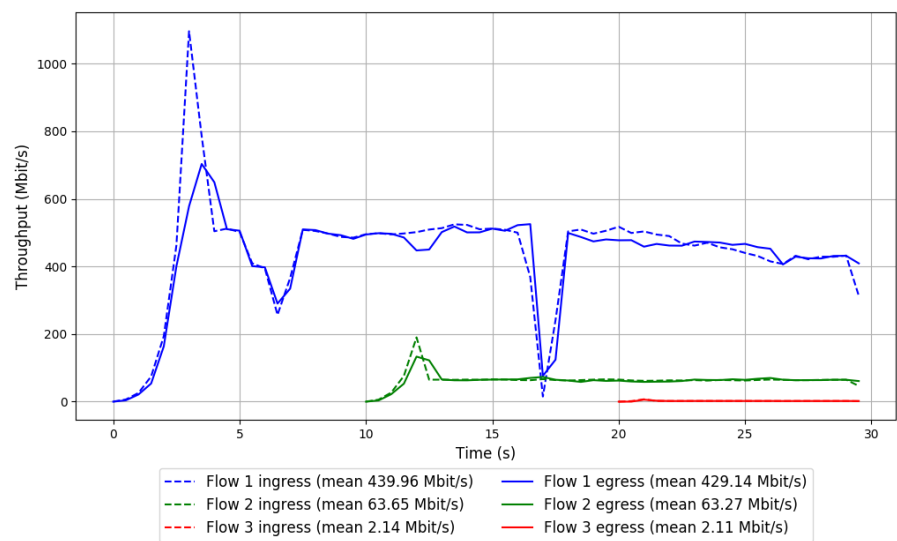
-- Flow 3:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 252.444 ms

Loss rate: 2.35%

Run 6: Report of PCC — Data Link

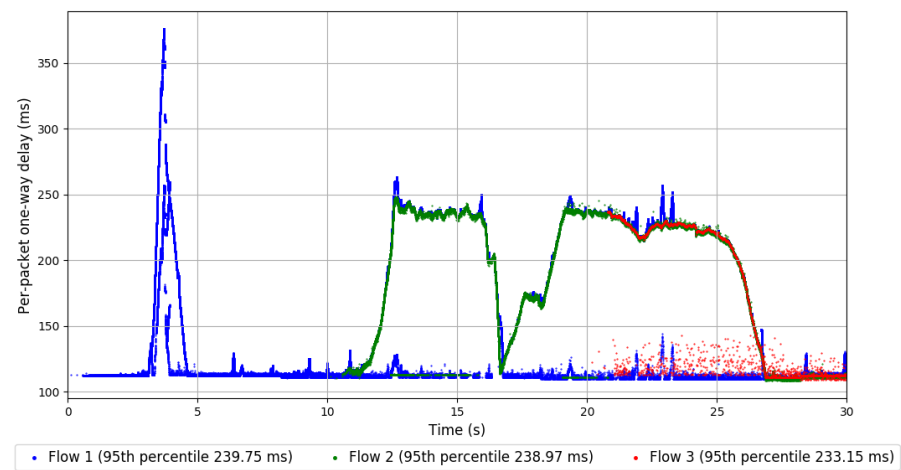
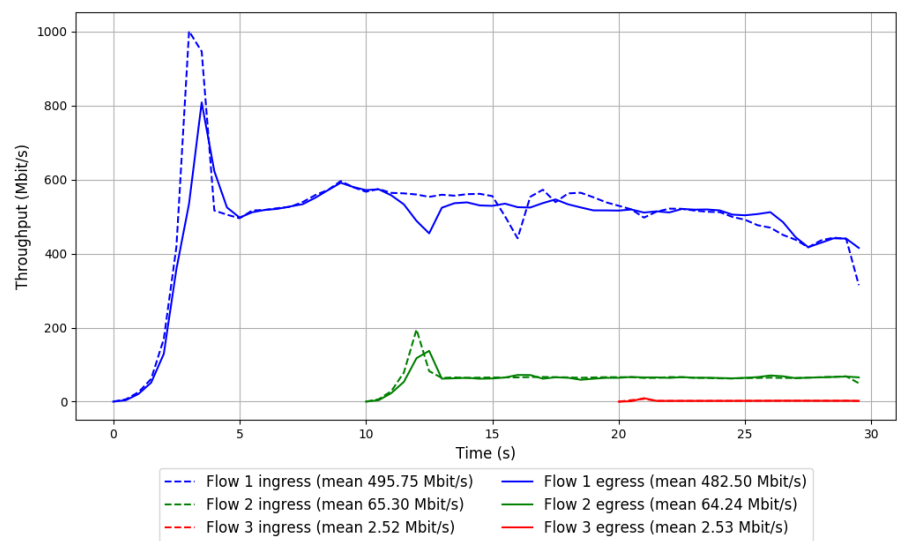


```
Run 7: Statistics of PCC

Start at: 2018-01-09 16:38:30
End at: 2018-01-09 16:39:00

# Below is generated by plot.py at 2018-01-09 19:04:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 526.03 Mbit/s
95th percentile per-packet one-way delay: 239.632 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 482.50 Mbit/s
95th percentile per-packet one-way delay: 239.755 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 64.24 Mbit/s
95th percentile per-packet one-way delay: 238.967 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 233.150 ms
Loss rate: 0.00%
```


Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-09 16:53:48

End at: 2018-01-09 16:54:18

Below is generated by plot.py at 2018-01-09 19:05:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 534.89 Mbit/s

95th percentile per-packet one-way delay: 236.088 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 490.74 Mbit/s

95th percentile per-packet one-way delay: 236.036 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 35.02 Mbit/s

95th percentile per-packet one-way delay: 235.820 ms

Loss rate: 0.60%

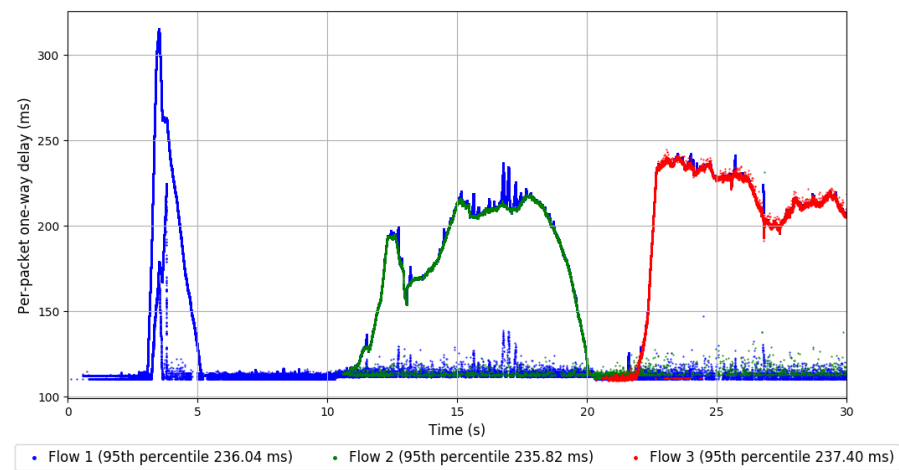
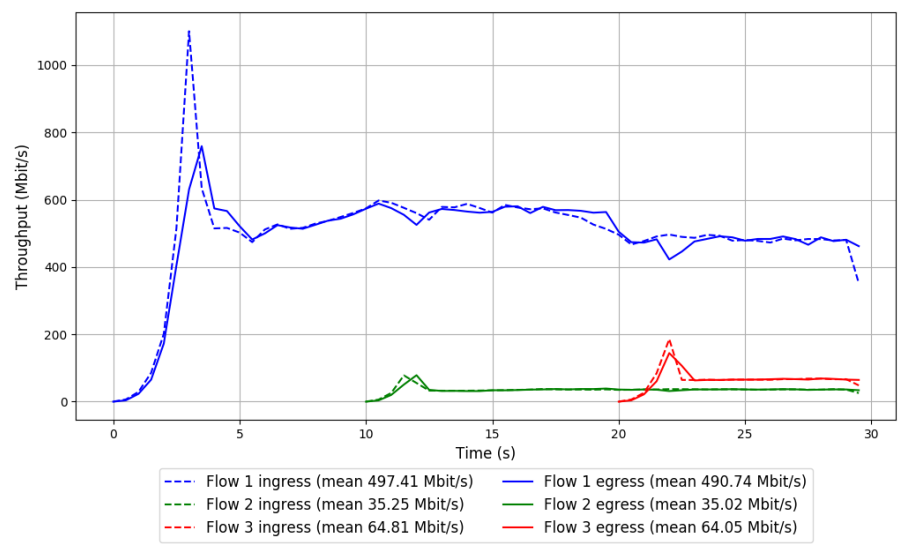
-- Flow 3:

Average throughput: 64.05 Mbit/s

95th percentile per-packet one-way delay: 237.400 ms

Loss rate: 1.23%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-09 17:08:44

End at: 2018-01-09 17:09:14

Below is generated by plot.py at 2018-01-09 19:13:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 535.65 Mbit/s

95th percentile per-packet one-way delay: 266.145 ms

Loss rate: 4.01%

-- Flow 1:

Average throughput: 454.20 Mbit/s

95th percentile per-packet one-way delay: 274.654 ms

Loss rate: 4.29%

-- Flow 2:

Average throughput: 121.39 Mbit/s

95th percentile per-packet one-way delay: 233.611 ms

Loss rate: 2.43%

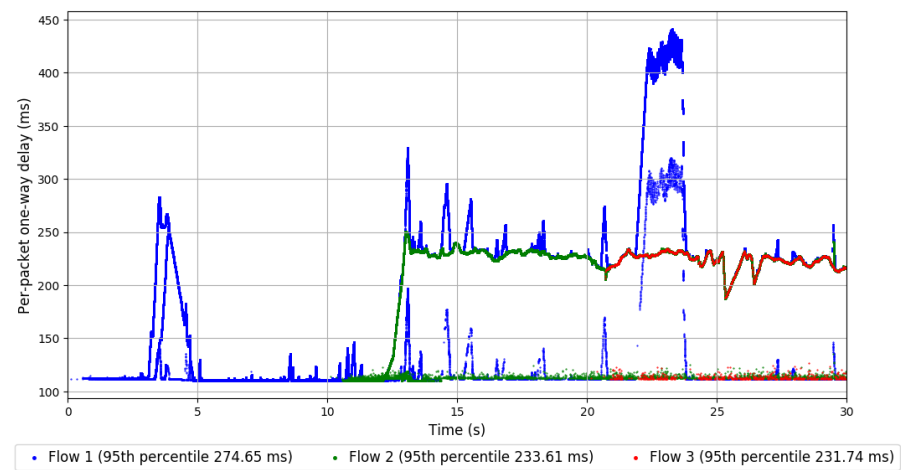
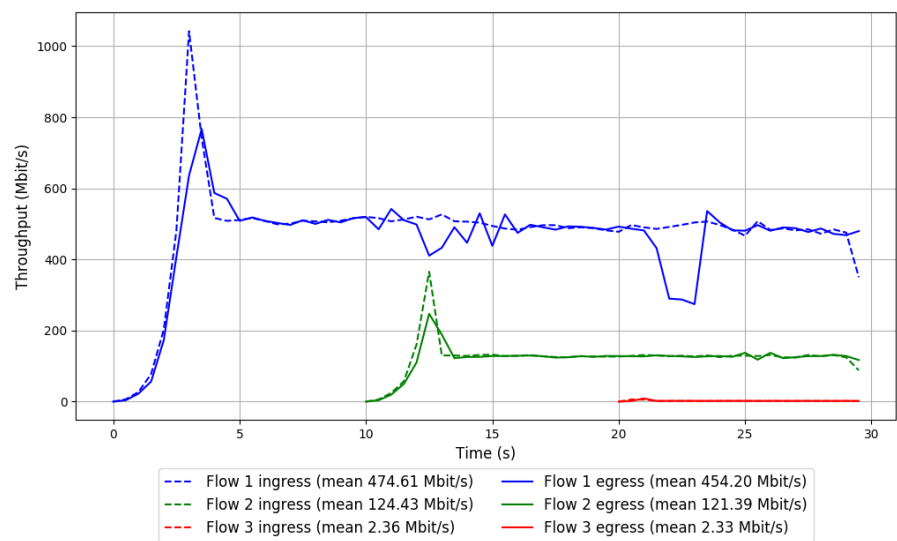
-- Flow 3:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 231.744 ms

Loss rate: 1.03%

Run 9: Report of PCC — Data Link

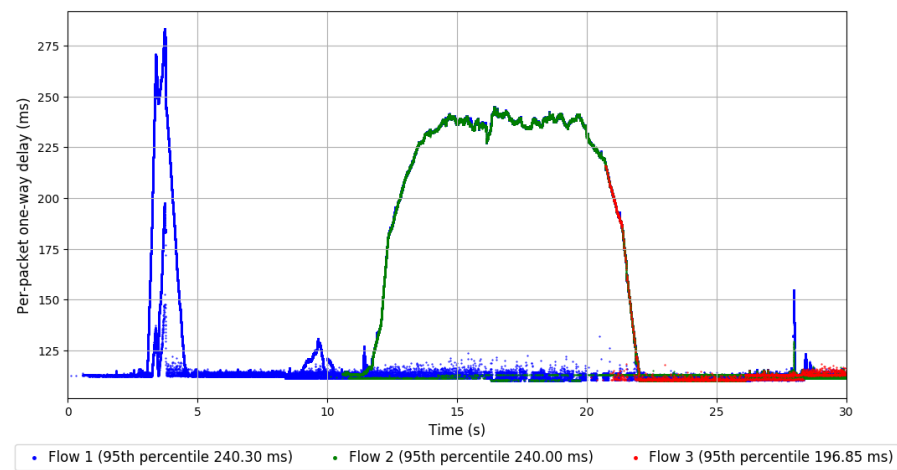
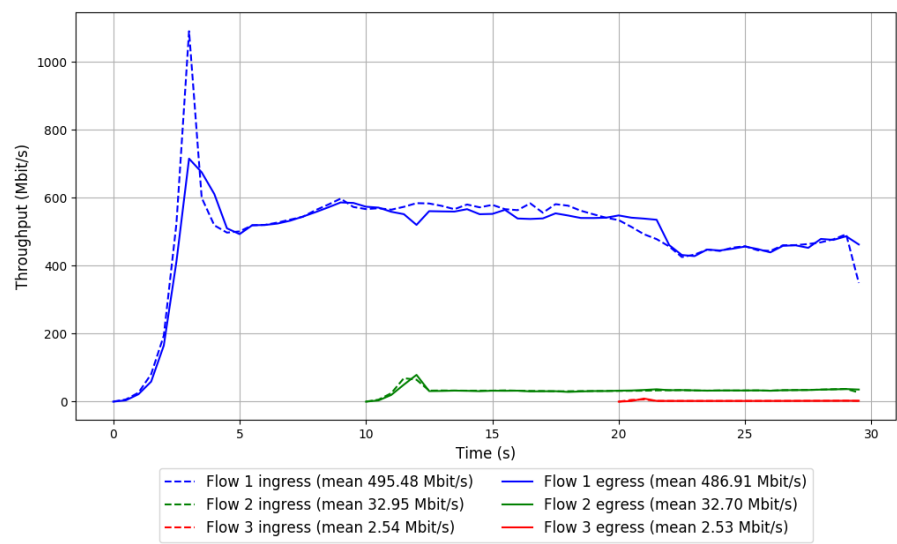


```
Run 10: Statistics of PCC

Start at: 2018-01-09 17:23:12
End at: 2018-01-09 17:23:42

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 509.46 Mbit/s
95th percentile per-packet one-way delay: 240.278 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 486.91 Mbit/s
95th percentile per-packet one-way delay: 240.298 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 239.996 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 196.848 ms
Loss rate: 0.00%
```

Run 10: Report of PCC — Data Link

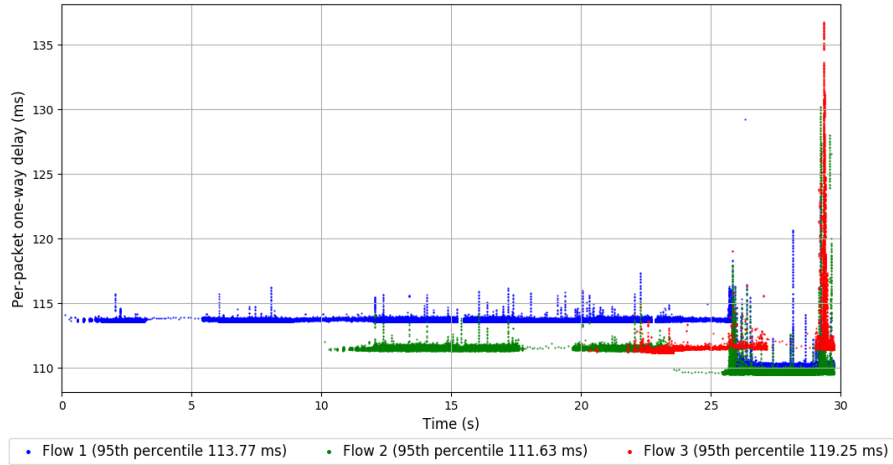
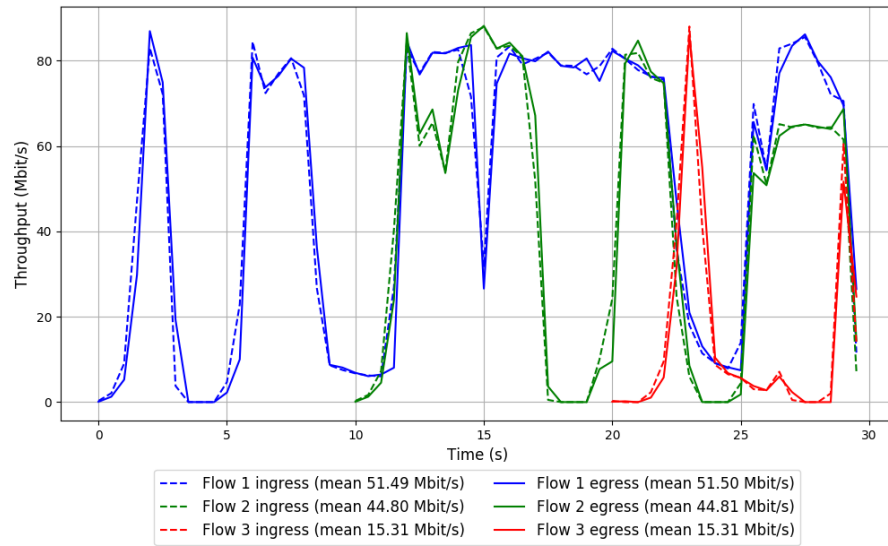


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-09 15:04:55
End at: 2018-01-09 15:05:25

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 113.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 113.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.81 Mbit/s
95th percentile per-packet one-way delay: 111.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.31 Mbit/s
95th percentile per-packet one-way delay: 119.248 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-09 15:20:16

End at: 2018-01-09 15:20:46

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 112.685 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.13 Mbit/s

95th percentile per-packet one-way delay: 112.426 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 112.797 ms

Loss rate: 0.00%

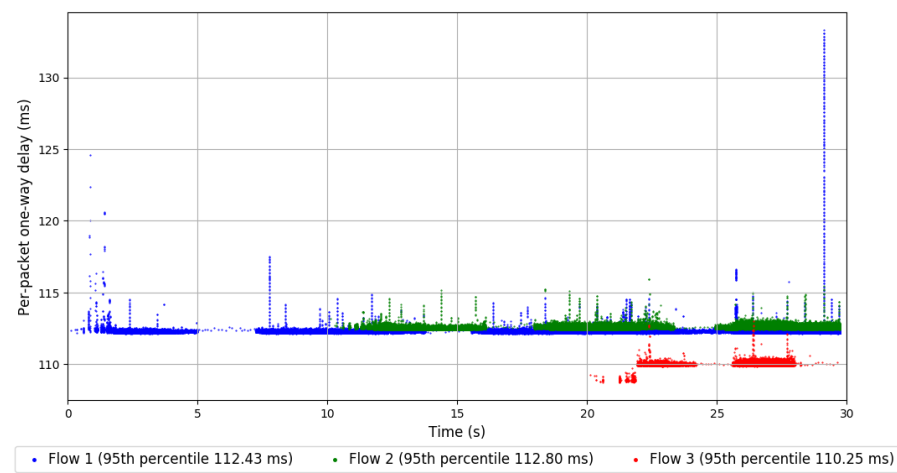
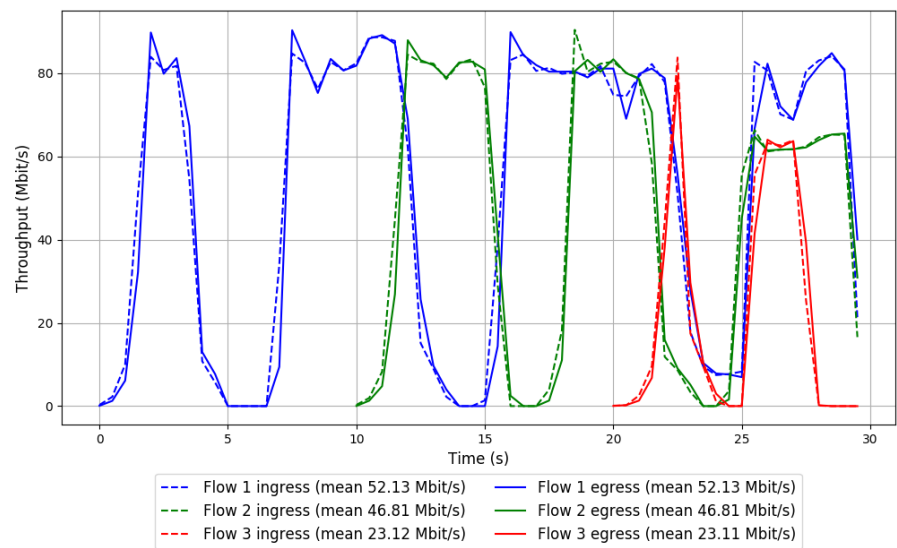
-- Flow 3:

Average throughput: 23.11 Mbit/s

95th percentile per-packet one-way delay: 110.246 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-09 15:35:47

End at: 2018-01-09 15:36:17

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 112.853 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 49.71 Mbit/s

95th percentile per-packet one-way delay: 112.731 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.82 Mbit/s

95th percentile per-packet one-way delay: 112.966 ms

Loss rate: 0.05%

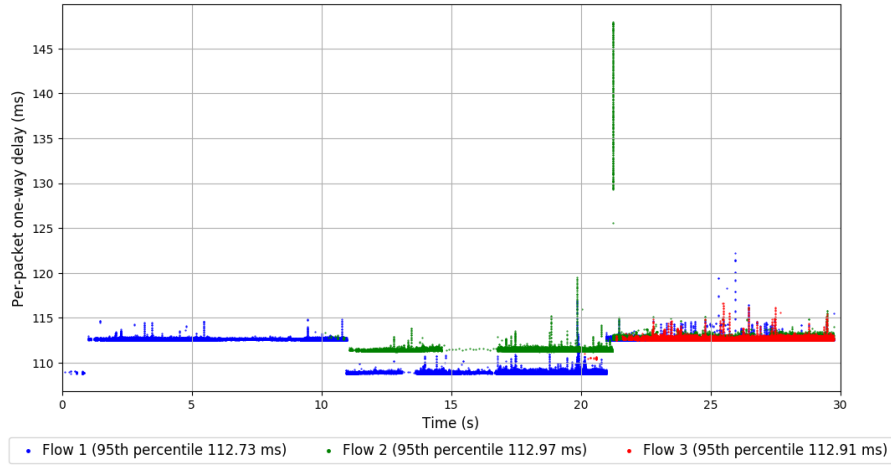
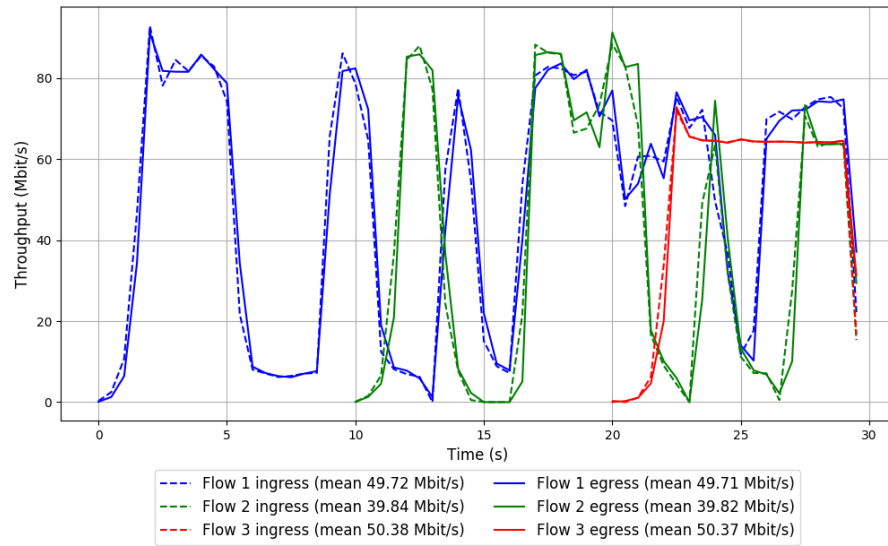
-- Flow 3:

Average throughput: 50.37 Mbit/s

95th percentile per-packet one-way delay: 112.913 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-09 15:51:07

End at: 2018-01-09 15:51:37

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.25 Mbit/s

95th percentile per-packet one-way delay: 111.205 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.16 Mbit/s

95th percentile per-packet one-way delay: 111.251 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.51 Mbit/s

95th percentile per-packet one-way delay: 110.879 ms

Loss rate: 0.00%

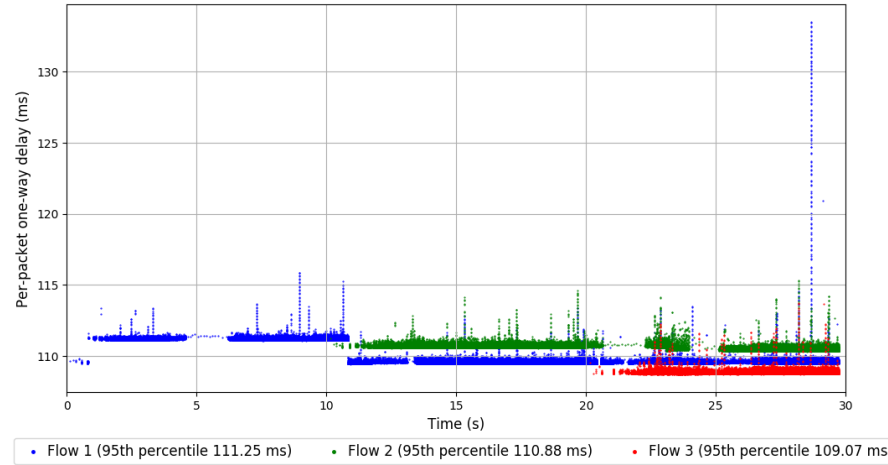
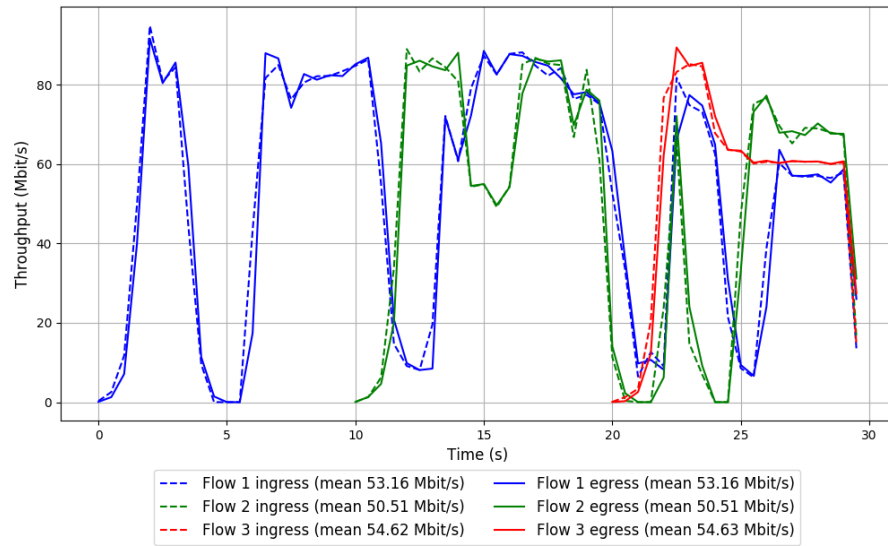
-- Flow 3:

Average throughput: 54.63 Mbit/s

95th percentile per-packet one-way delay: 109.070 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-09 16:06:29

End at: 2018-01-09 16:06:59

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.02 Mbit/s

95th percentile per-packet one-way delay: 114.805 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.90 Mbit/s

95th percentile per-packet one-way delay: 114.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.34 Mbit/s

95th percentile per-packet one-way delay: 114.540 ms

Loss rate: 0.00%

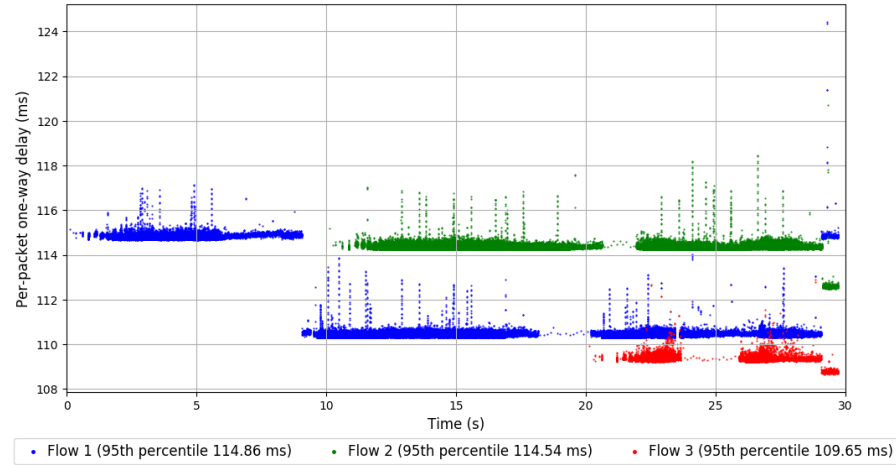
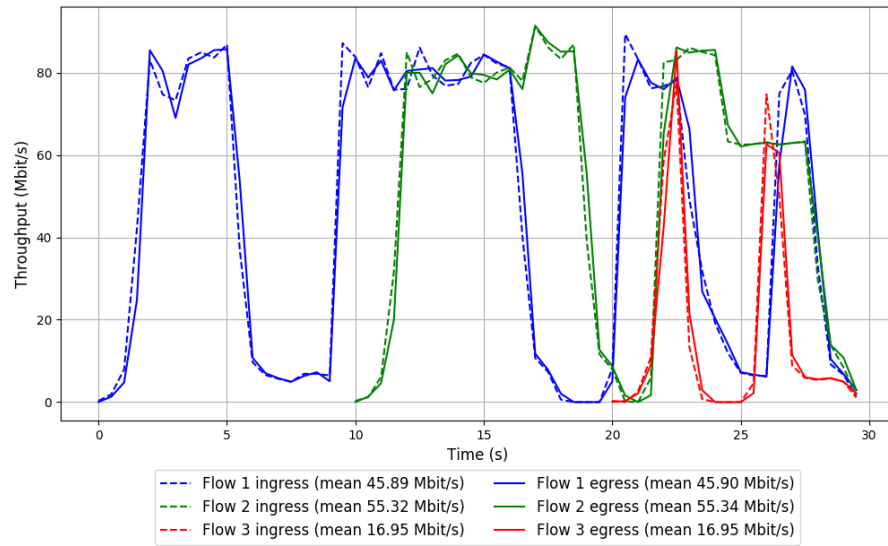
-- Flow 3:

Average throughput: 16.95 Mbit/s

95th percentile per-packet one-way delay: 109.653 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-09 16:21:15

End at: 2018-01-09 16:21:45

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.10 Mbit/s

95th percentile per-packet one-way delay: 112.788 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.49 Mbit/s

95th percentile per-packet one-way delay: 112.678 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.02 Mbit/s

95th percentile per-packet one-way delay: 112.692 ms

Loss rate: 0.00%

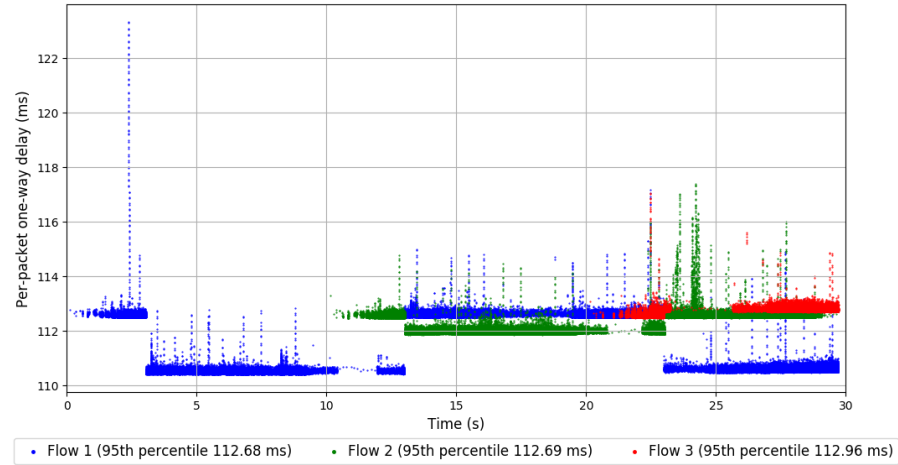
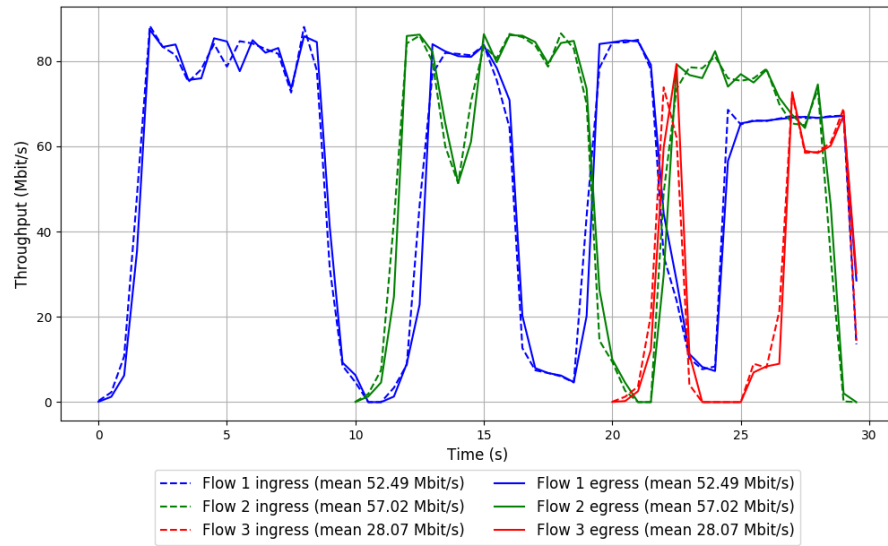
-- Flow 3:

Average throughput: 28.07 Mbit/s

95th percentile per-packet one-way delay: 112.963 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-09 16:36:44

End at: 2018-01-09 16:37:14

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 114.705 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 110.469 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.69 Mbit/s

95th percentile per-packet one-way delay: 114.810 ms

Loss rate: 0.01%

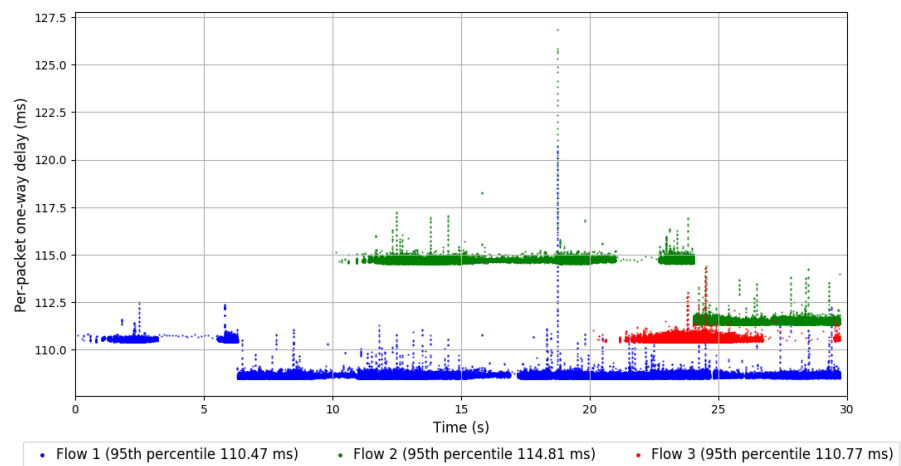
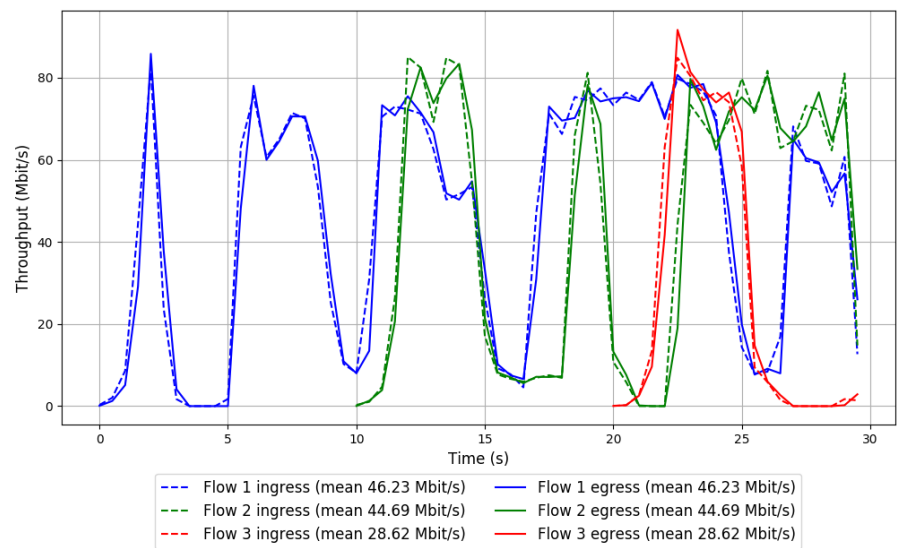
-- Flow 3:

Average throughput: 28.62 Mbit/s

95th percentile per-packet one-way delay: 110.774 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-09 16:51:42

End at: 2018-01-09 16:52:12

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 112.683 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 51.25 Mbit/s

95th percentile per-packet one-way delay: 112.723 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.04 Mbit/s

95th percentile per-packet one-way delay: 110.645 ms

Loss rate: 0.00%

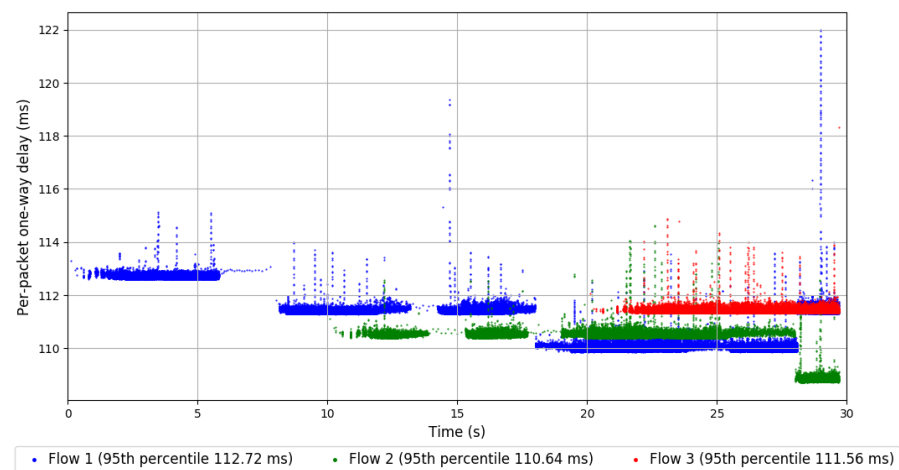
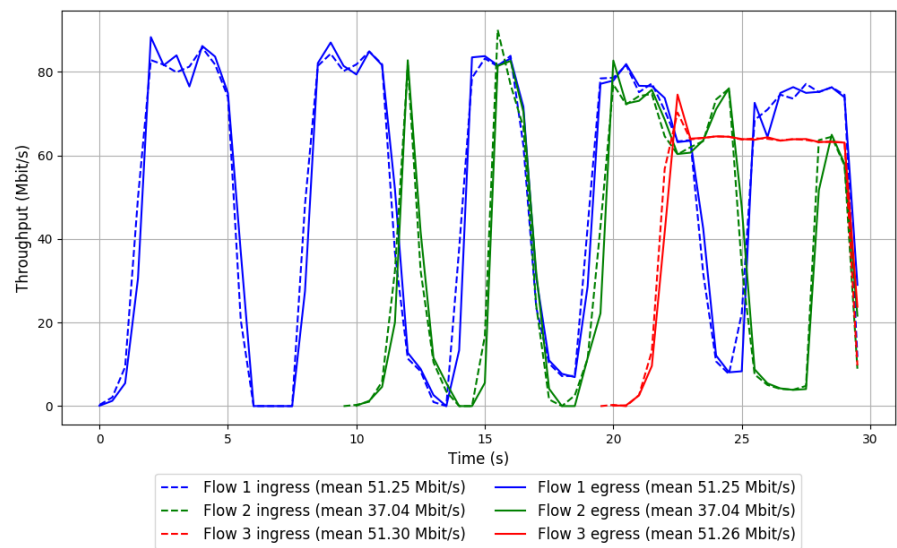
-- Flow 3:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 111.563 ms

Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-09 17:07:02

End at: 2018-01-09 17:07:32

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 112.972 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.79 Mbit/s

95th percentile per-packet one-way delay: 113.005 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.27 Mbit/s

95th percentile per-packet one-way delay: 112.970 ms

Loss rate: 0.00%

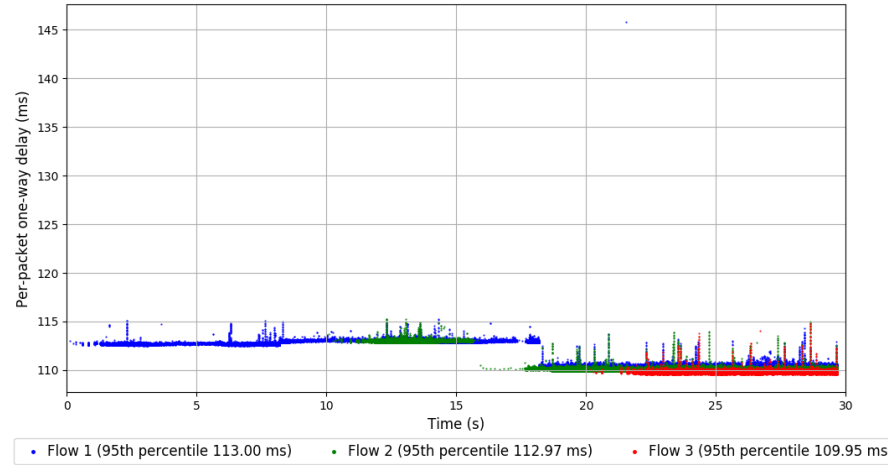
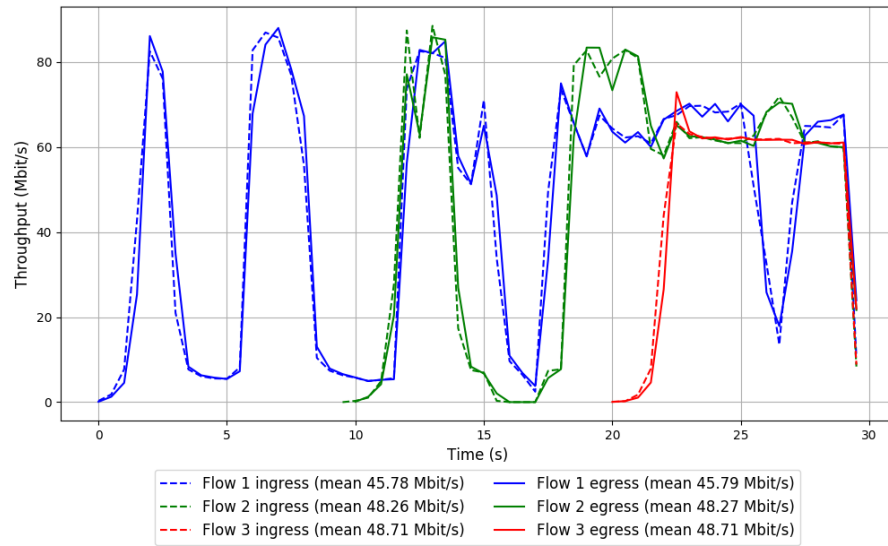
-- Flow 3:

Average throughput: 48.71 Mbit/s

95th percentile per-packet one-way delay: 109.951 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-09 17:21:24

End at: 2018-01-09 17:21:54

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.91 Mbit/s

95th percentile per-packet one-way delay: 112.816 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 46.25 Mbit/s

95th percentile per-packet one-way delay: 111.330 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 41.60 Mbit/s

95th percentile per-packet one-way delay: 111.358 ms

Loss rate: 0.04%

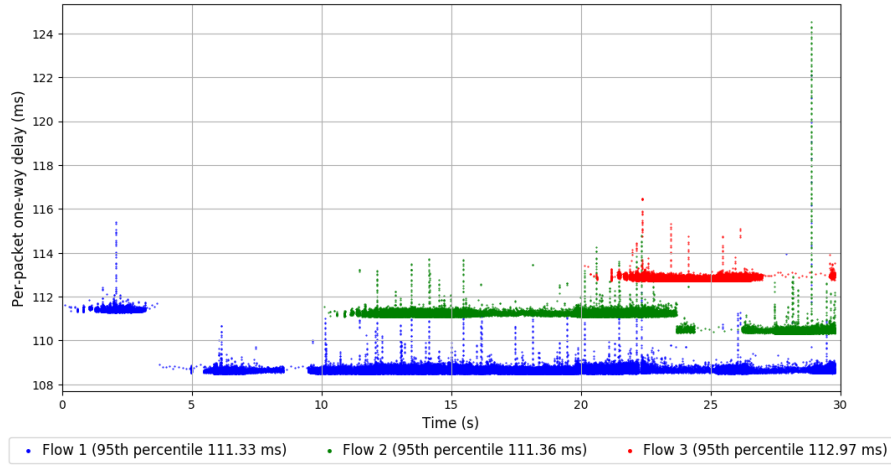
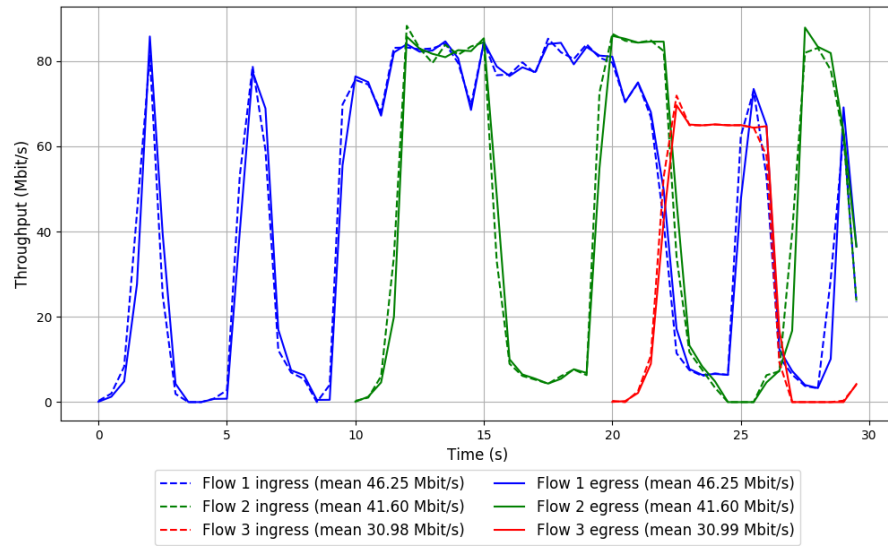
-- Flow 3:

Average throughput: 30.99 Mbit/s

95th percentile per-packet one-way delay: 112.967 ms

Loss rate: 0.06%

Run 10: Report of QUIC Cubic — Data Link

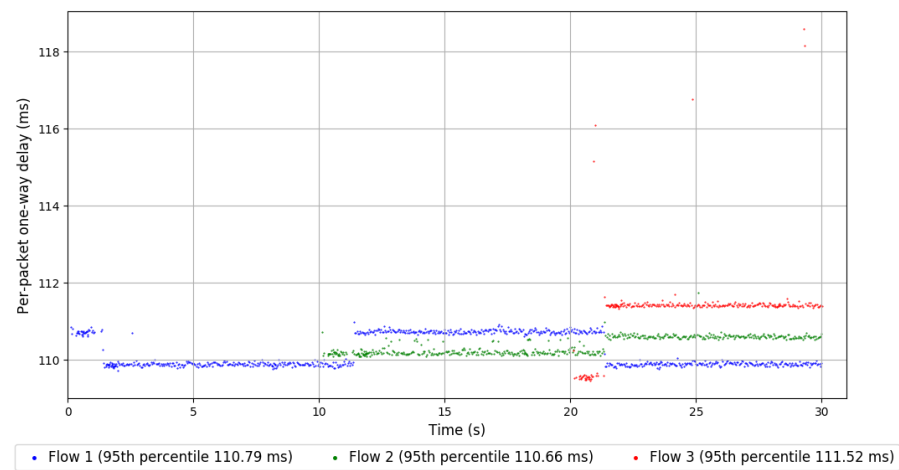
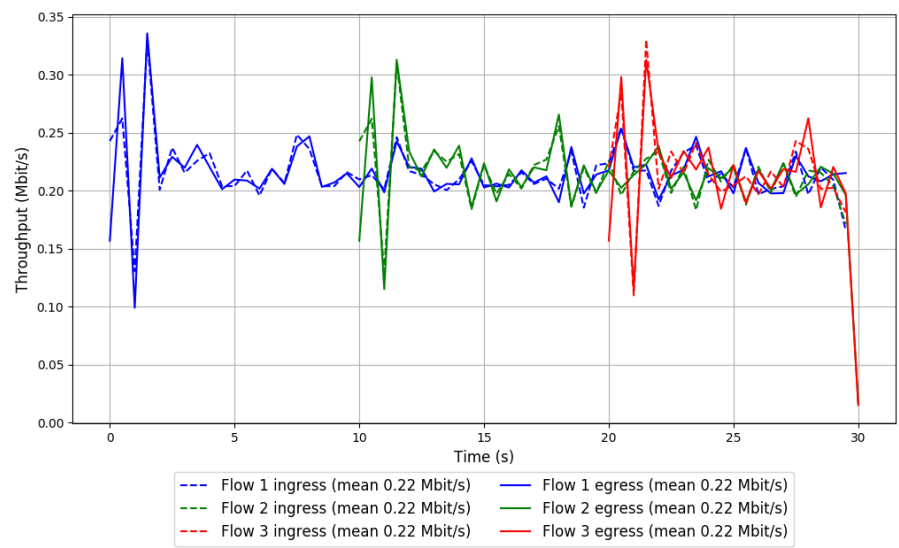


```
Run 1: Statistics of SReAM

Start at: 2018-01-09 14:57:17
End at: 2018-01-09 14:57:47

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.788 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.515 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

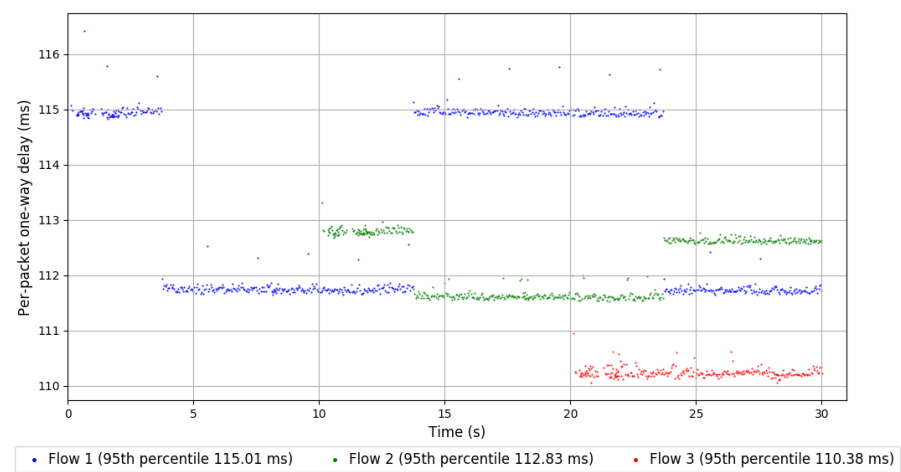
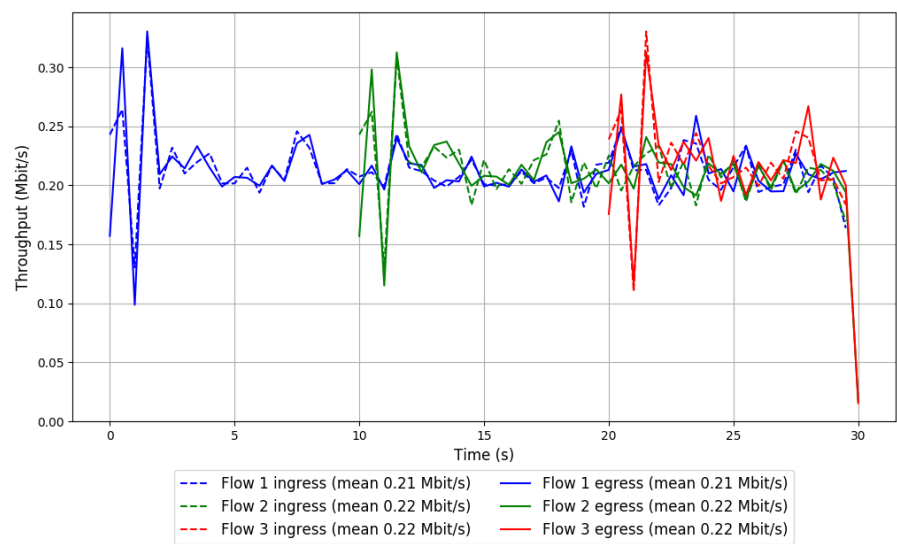


```
Run 2: Statistics of SCReAM

Start at: 2018-01-09 15:12:25
End at: 2018-01-09 15:12:55

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 114.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 115.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.828 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.377 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

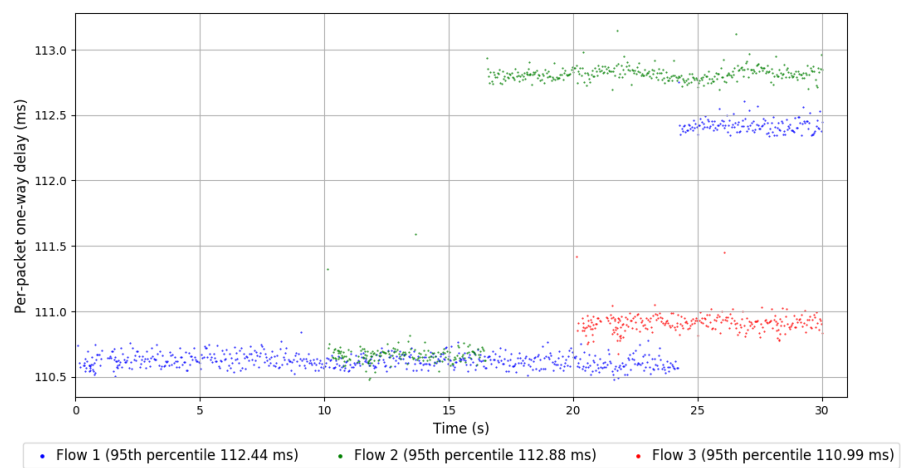
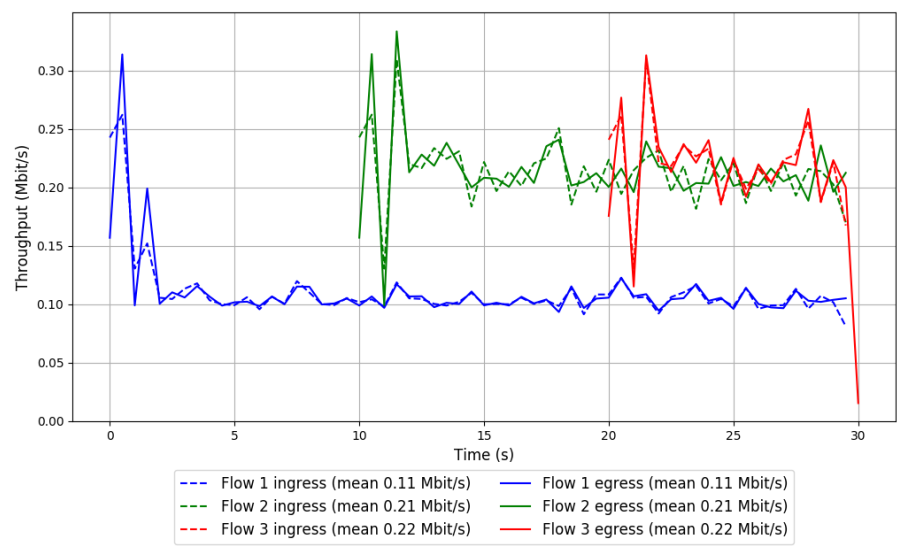


```
Run 3: Statistics of SCReAM

Start at: 2018-01-09 15:28:04
End at: 2018-01-09 15:28:34

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 112.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 112.441 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.878 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.993 ms
Loss rate: 0.00%
```


Run 3: Report of SCSReAM — Data Link

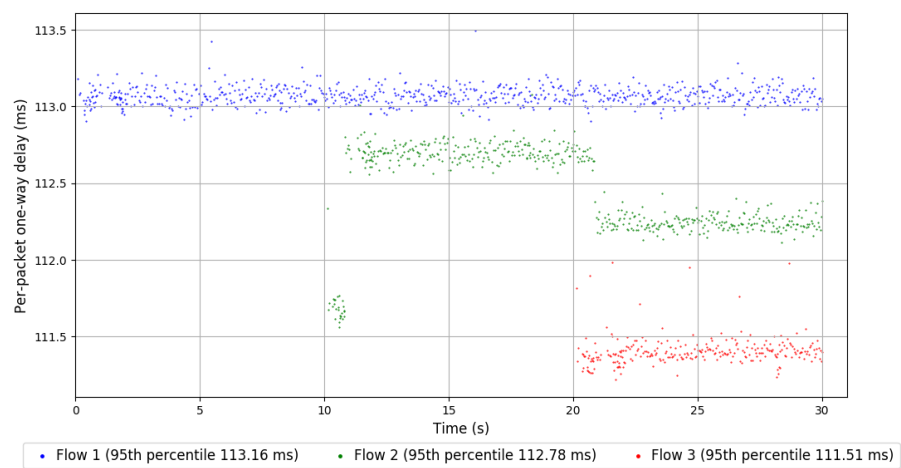
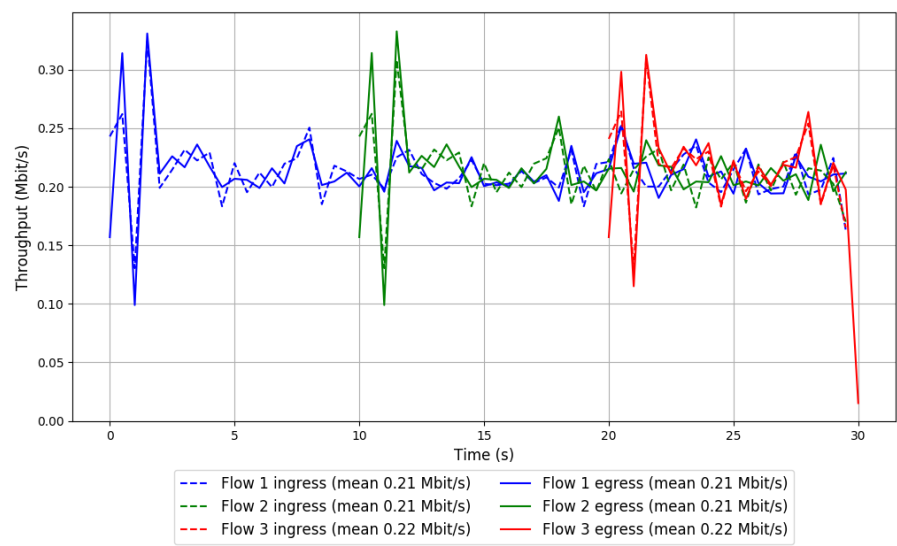


```
Run 4: Statistics of SReAM

Start at: 2018-01-09 15:43:28
End at: 2018-01-09 15:43:58

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.164 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.514 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link

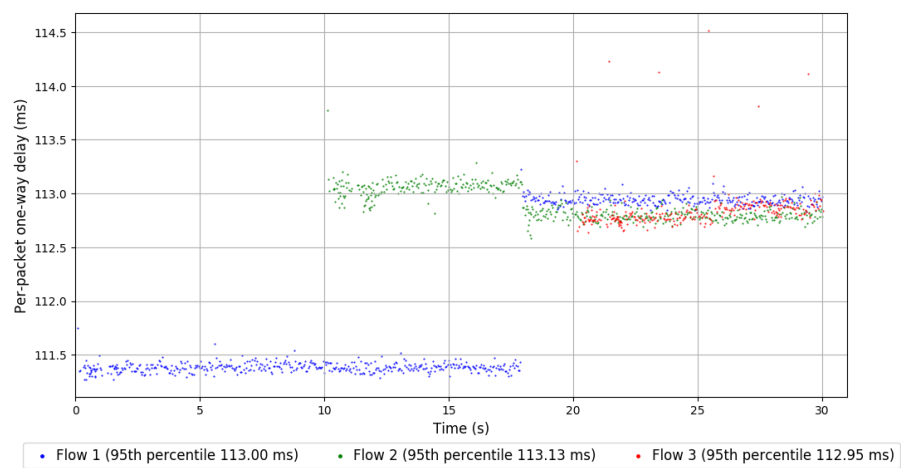
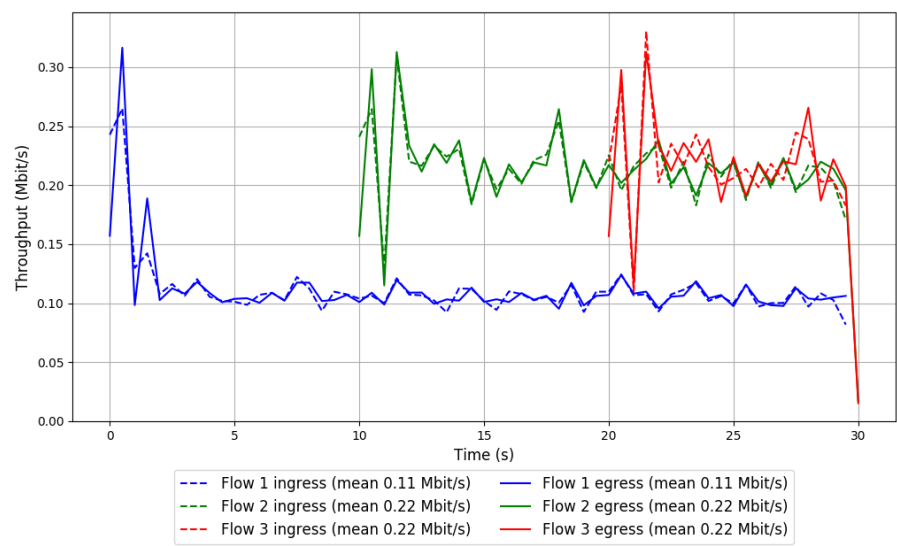


```
Run 5: Statistics of SCReAM

Start at: 2018-01-09 15:58:53
End at: 2018-01-09 15:59:23

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 113.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 112.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.946 ms
Loss rate: 0.00%
```

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-01-09 16:13:45

End at: 2018-01-09 16:14:15

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.614 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.649 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.304 ms

Loss rate: 0.00%

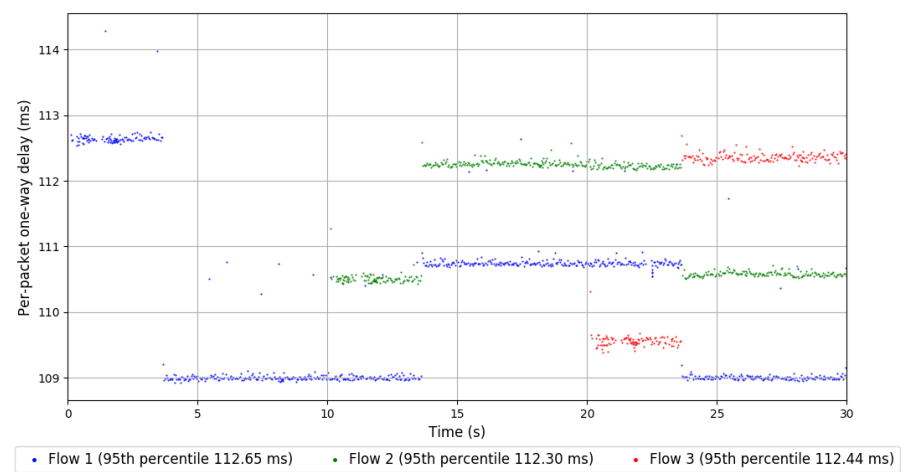
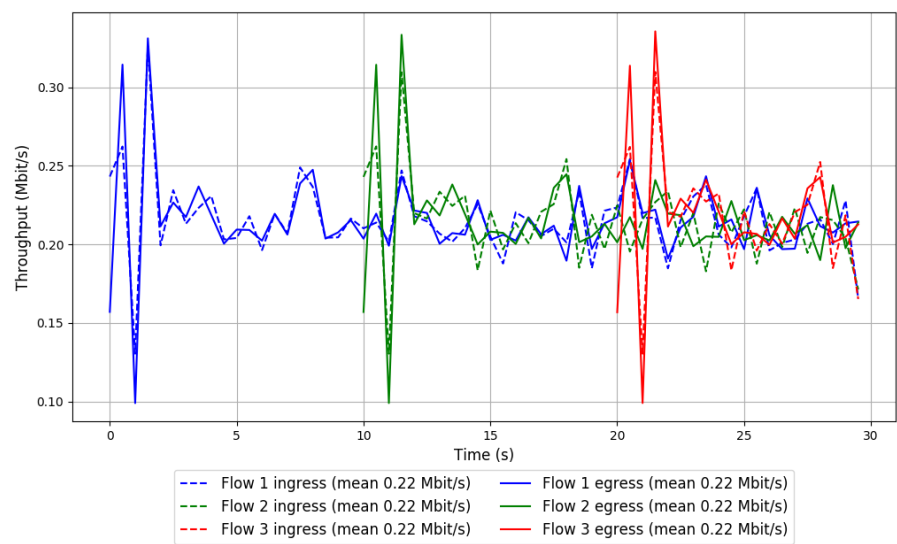
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.437 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

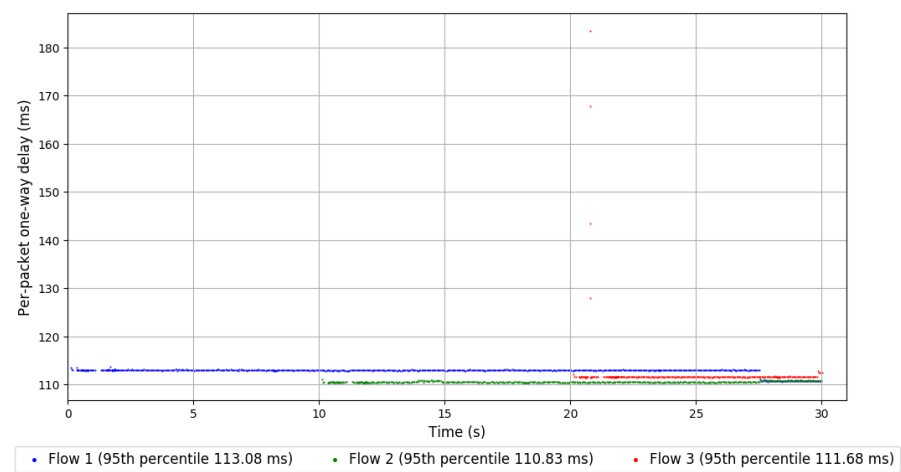
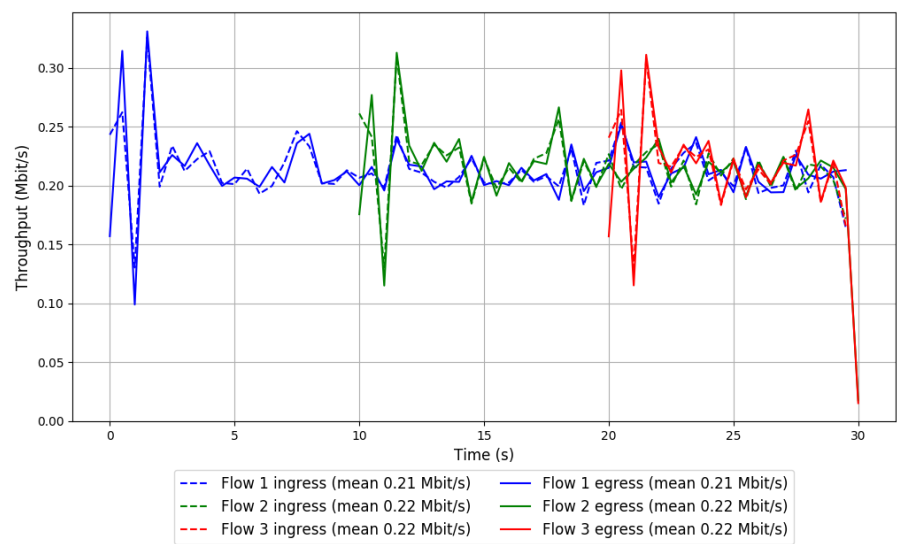


```
Run 7: Statistics of SReAM

Start at: 2018-01-09 16:29:01
End at: 2018-01-09 16:29:31

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.827 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.683 ms
Loss rate: 0.00%
```


Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-09 16:44:10

End at: 2018-01-09 16:44:40

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 114.783 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.004 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 114.823 ms

Loss rate: 0.00%

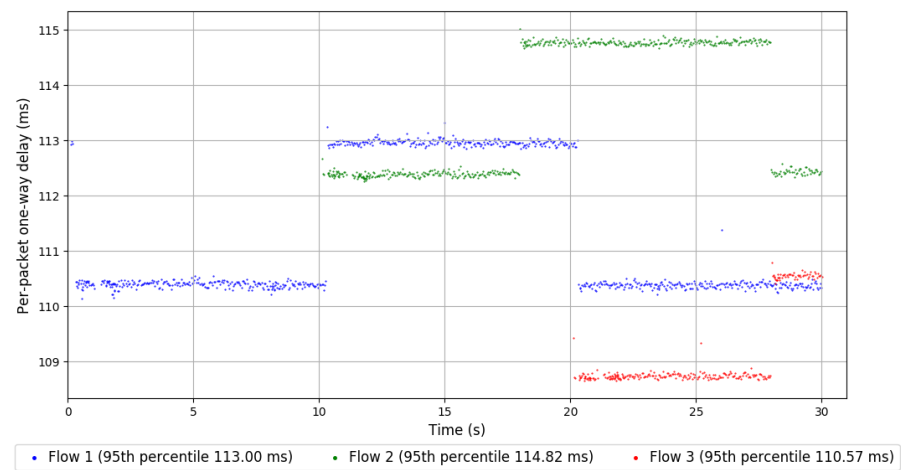
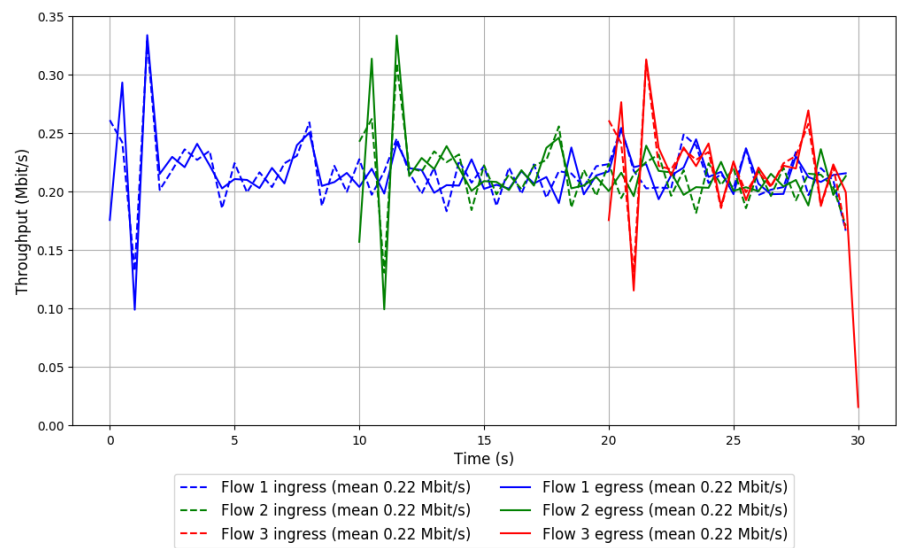
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.571 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

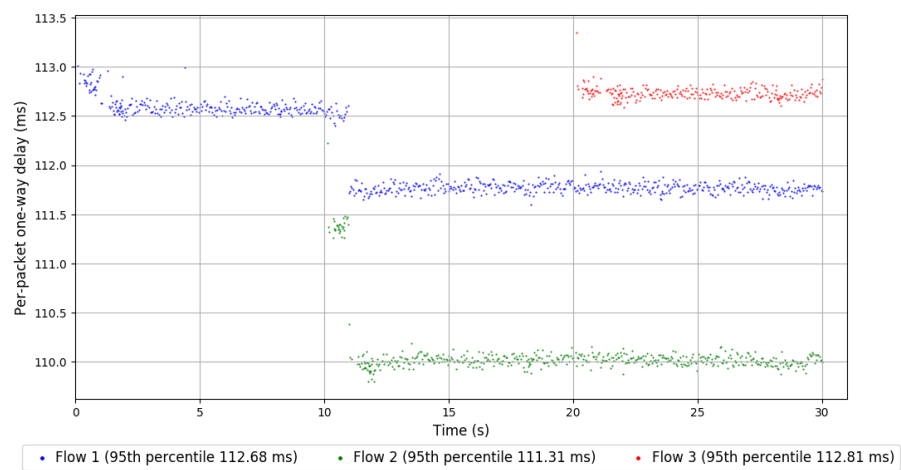
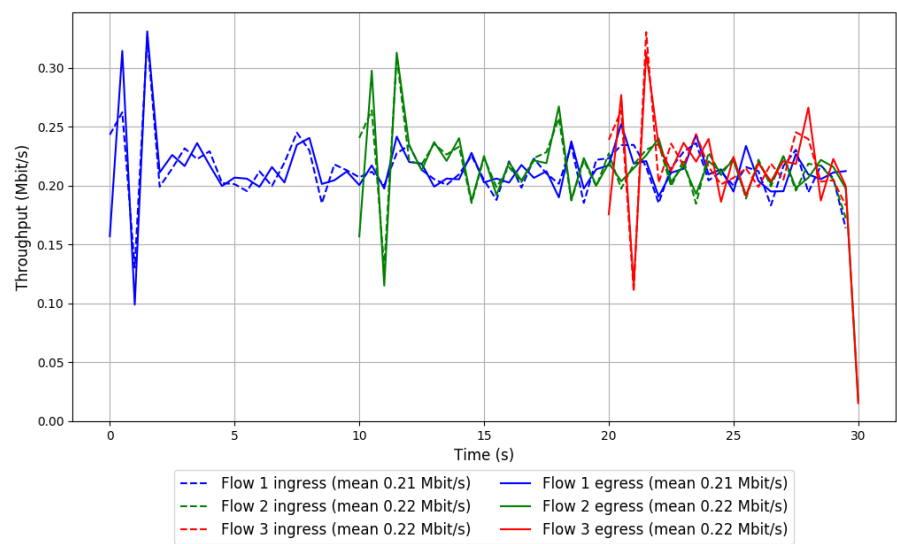


```
Run 9: Statistics of SCReAM

Start at: 2018-01-09 16:59:30
End at: 2018-01-09 17:00:00

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.682 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.309 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.815 ms
Loss rate: 0.00%
```

Run 9: Report of SReAM — Data Link

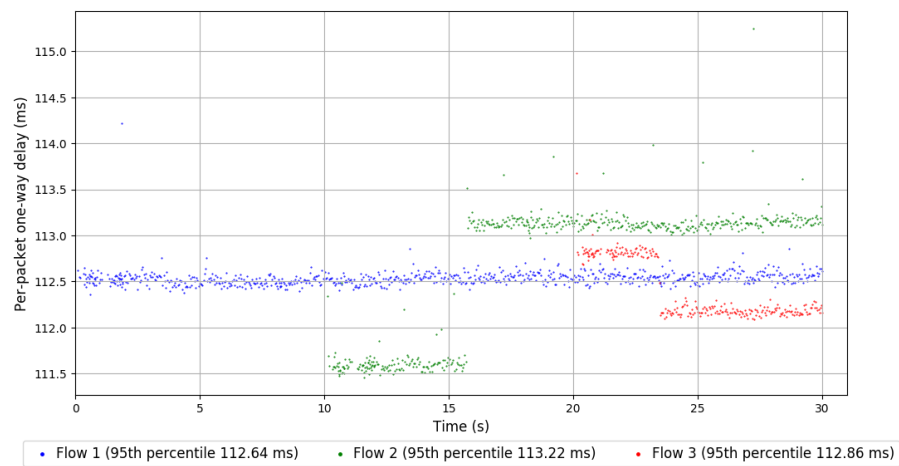
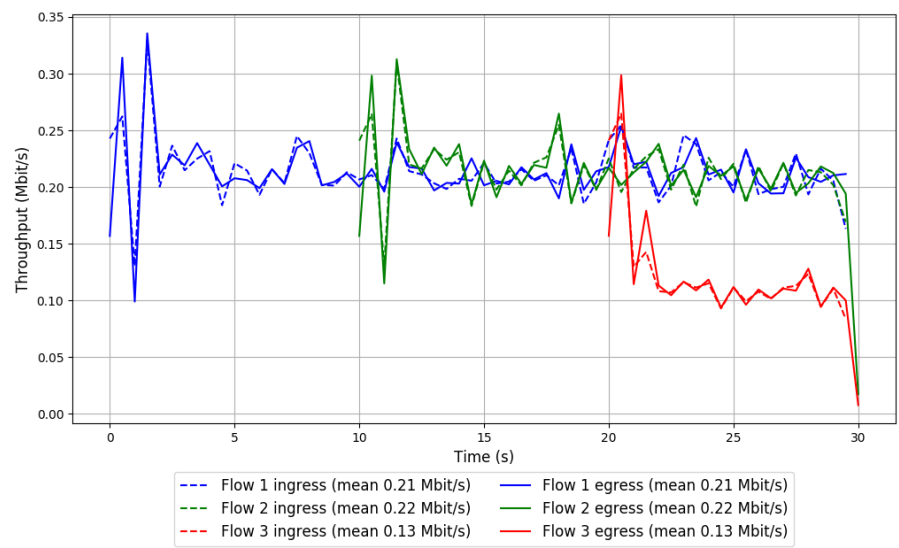


```
Run 10: Statistics of SReAM

Start at: 2018-01-09 17:14:15
End at: 2018-01-09 17:14:45

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 113.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.219 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 112.858 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

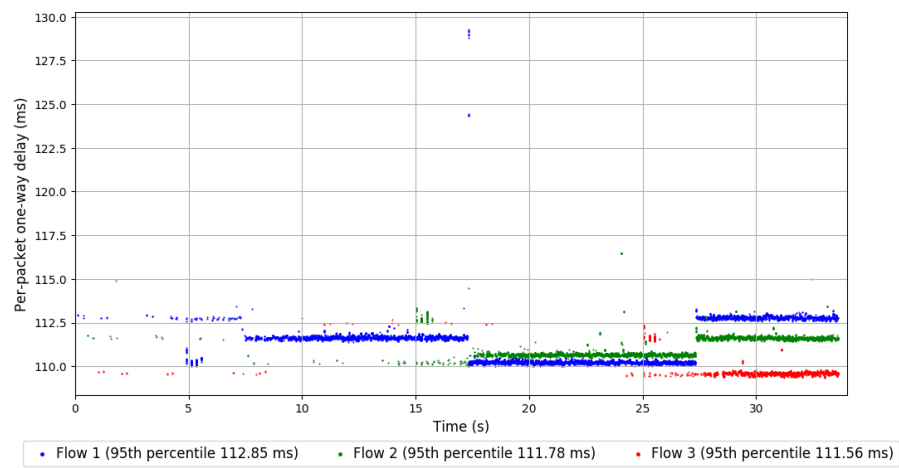
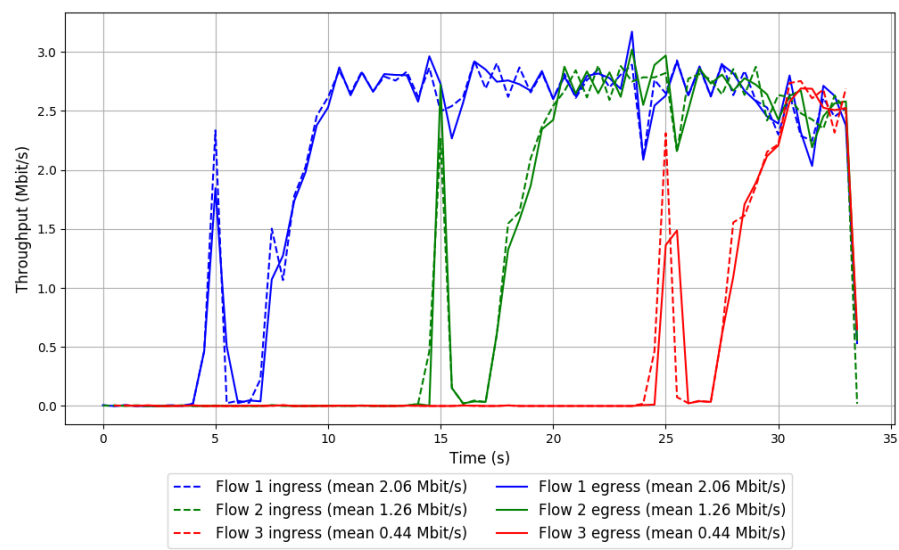


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-09 15:09:05
End at: 2018-01-09 15:09:35

# Below is generated by plot.py at 2018-01-09 19:13:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 112.812 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 112.852 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 111.778 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 111.559 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-09 15:24:40

End at: 2018-01-09 15:25:10

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 112.920 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 112.938 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 112.790 ms

Loss rate: 0.00%

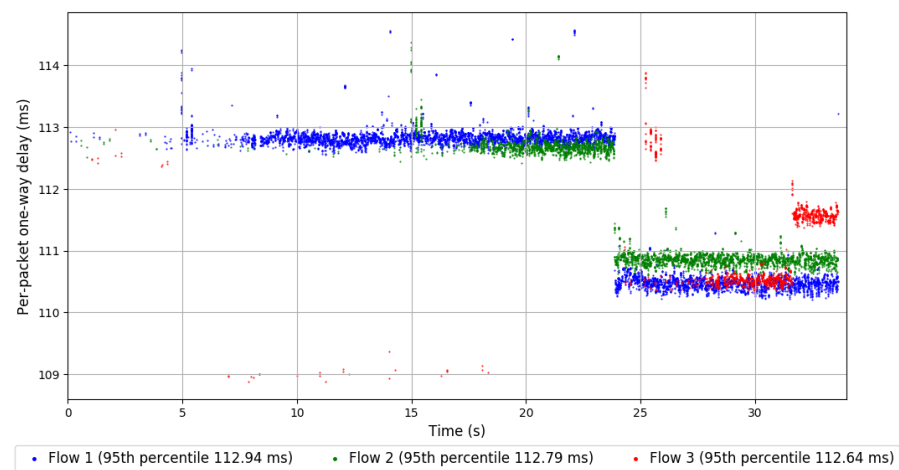
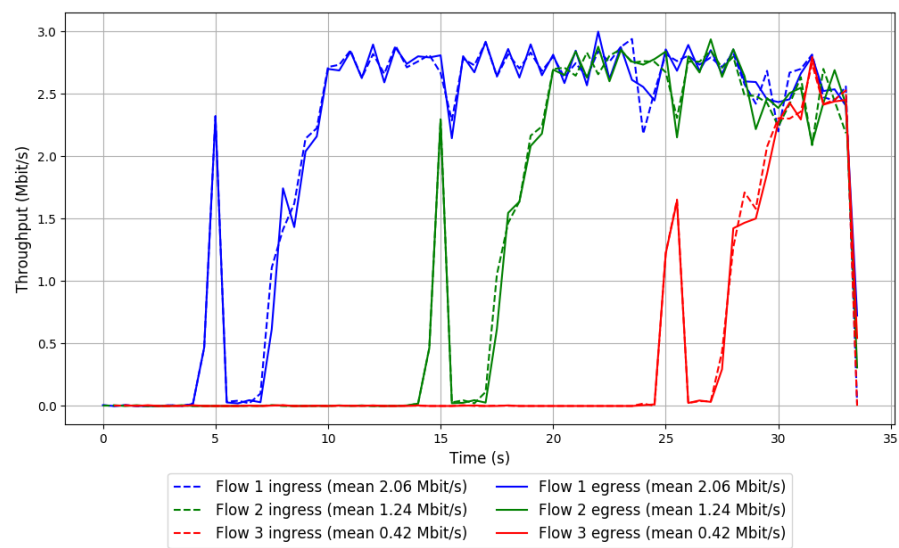
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 112.636 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-09 15:40:03

End at: 2018-01-09 15:40:33

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 112.947 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 111.445 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 113.024 ms

Loss rate: 0.00%

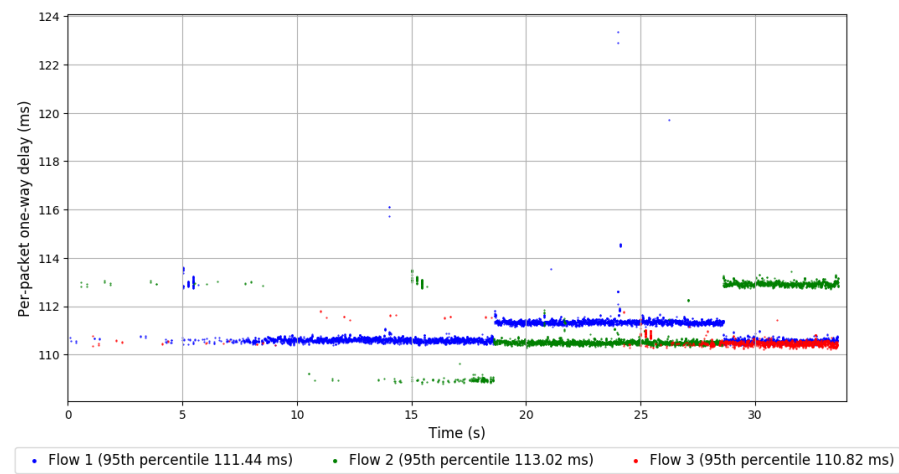
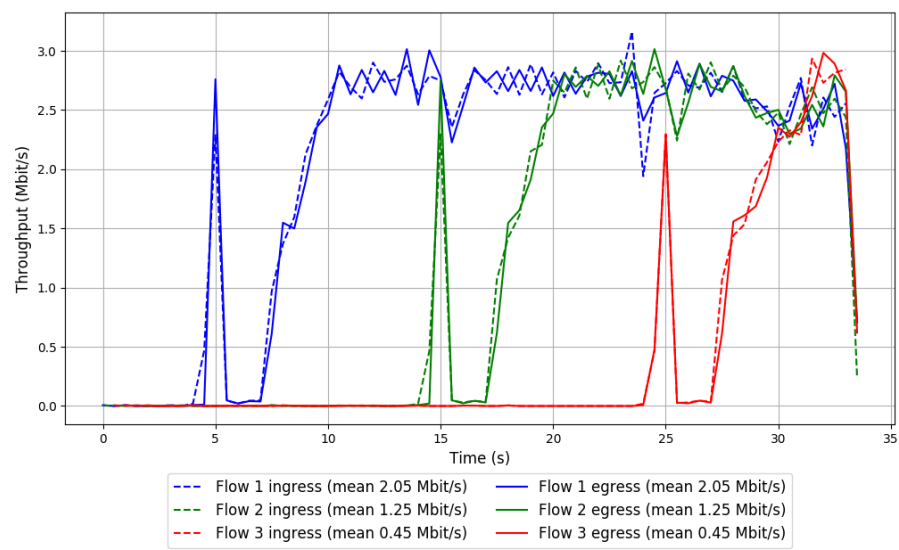
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 110.817 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-09 15:55:29

End at: 2018-01-09 15:55:59

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 115.028 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 115.063 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 109.638 ms

Loss rate: 0.00%

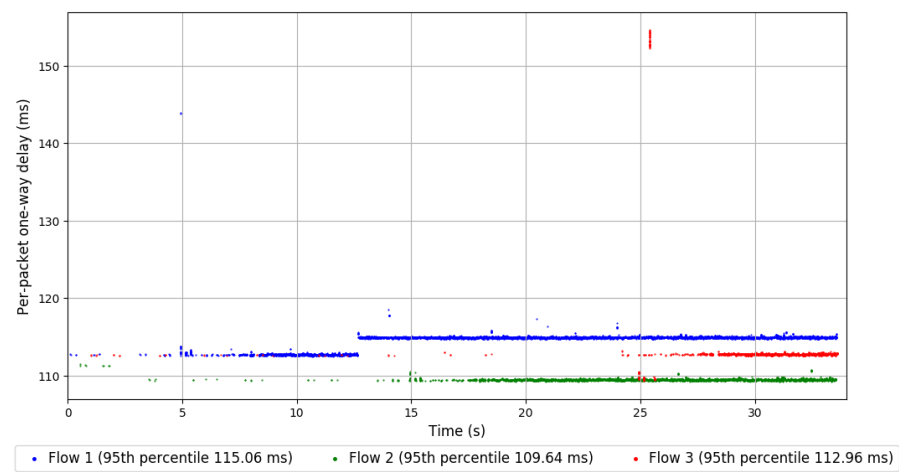
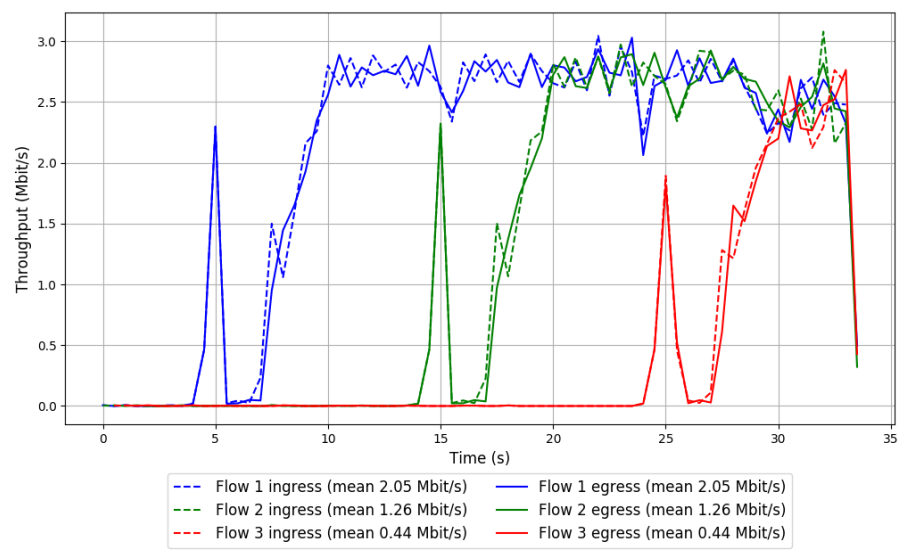
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 112.958 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-09 16:10:23

End at: 2018-01-09 16:10:53

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 112.963 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 112.985 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 112.788 ms

Loss rate: 0.00%

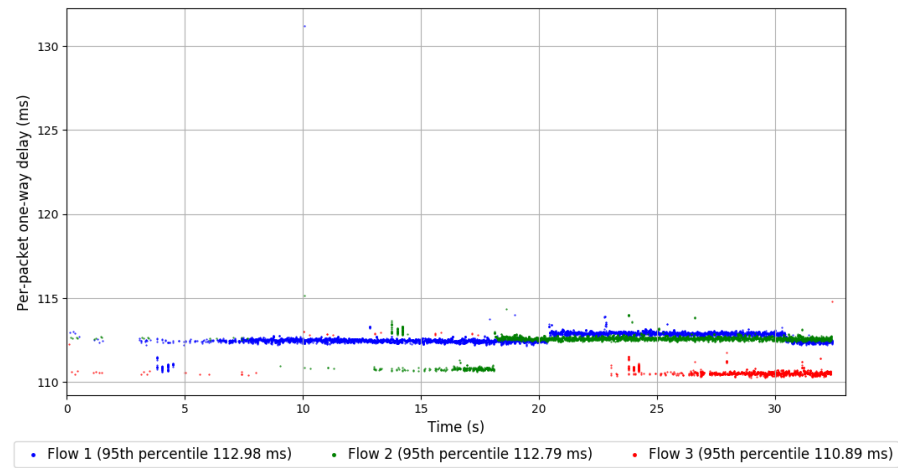
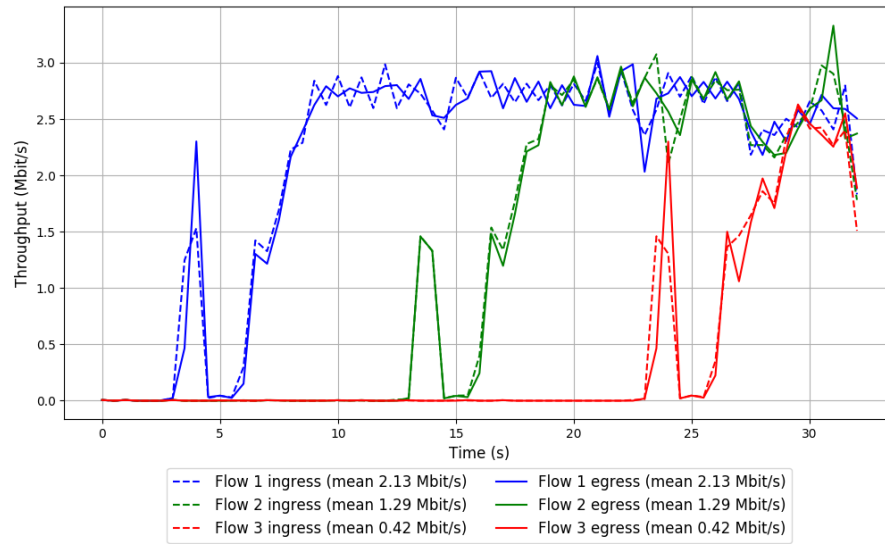
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 110.885 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-09 16:25:31

End at: 2018-01-09 16:26:01

Below is generated by plot.py at 2018-01-09 19:13:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 112.948 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 112.977 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 112.837 ms

Loss rate: 0.02%

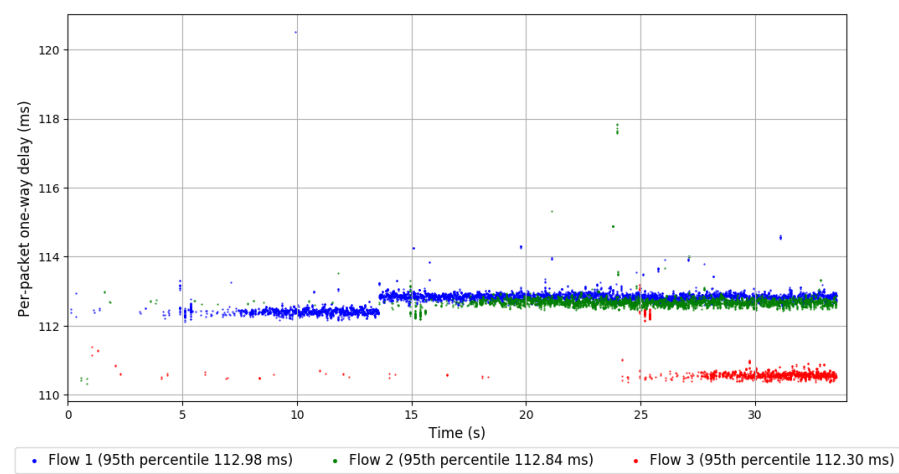
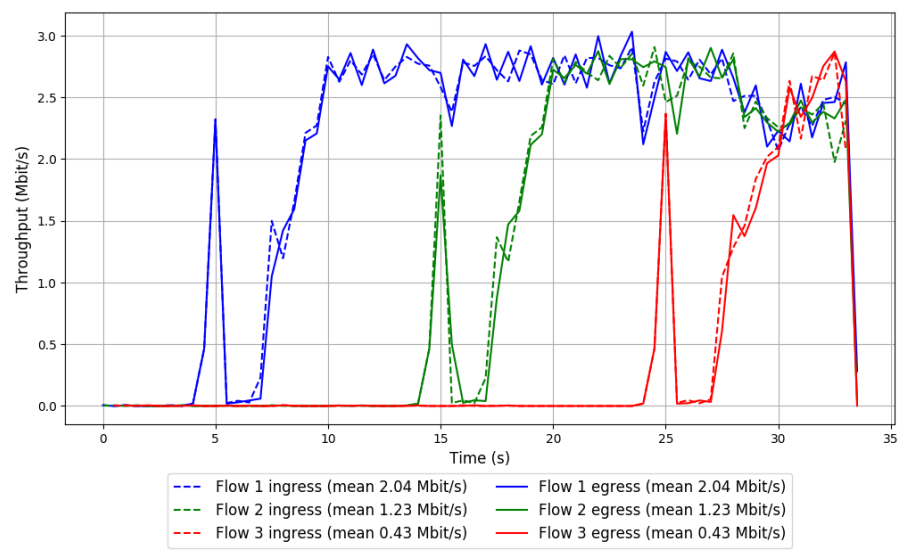
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.300 ms

Loss rate: 0.07%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-09 16:40:46

End at: 2018-01-09 16:41:16

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 112.513 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 112.537 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 109.258 ms

Loss rate: 0.00%

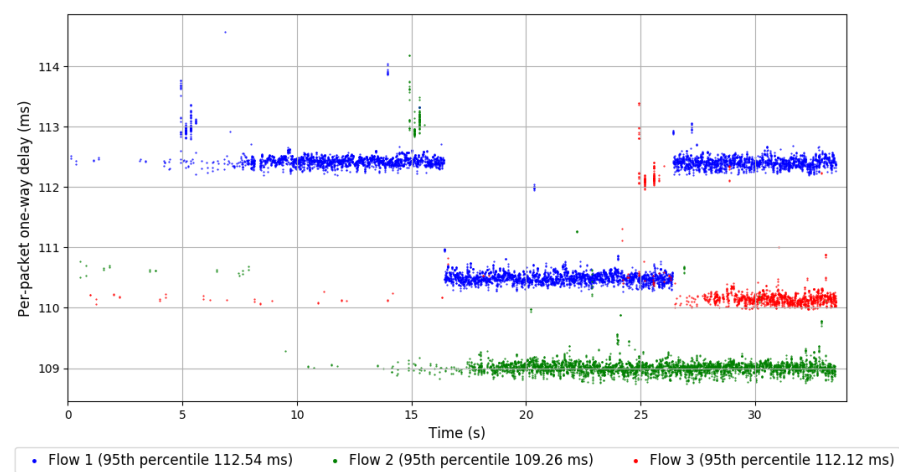
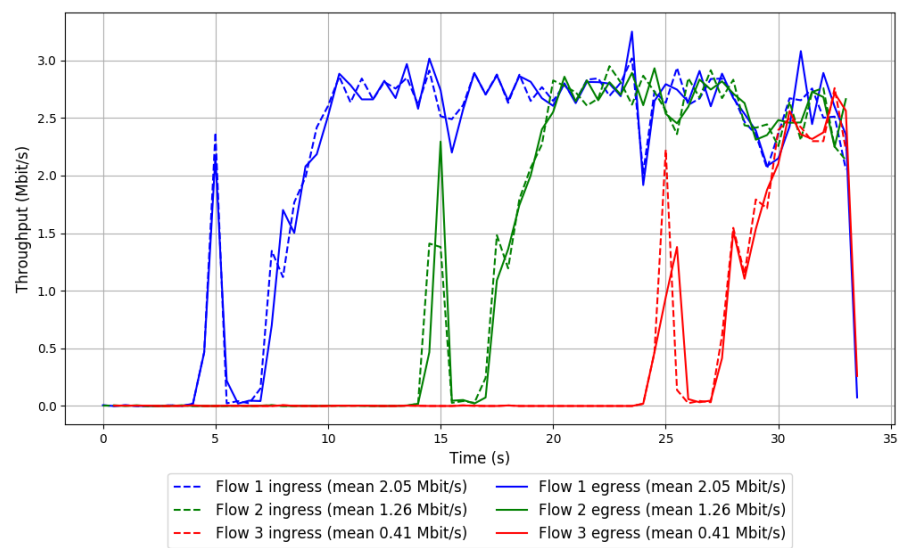
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 112.124 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-09 16:56:07

End at: 2018-01-09 16:56:37

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 112.959 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 112.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 110.449 ms

Loss rate: 0.00%

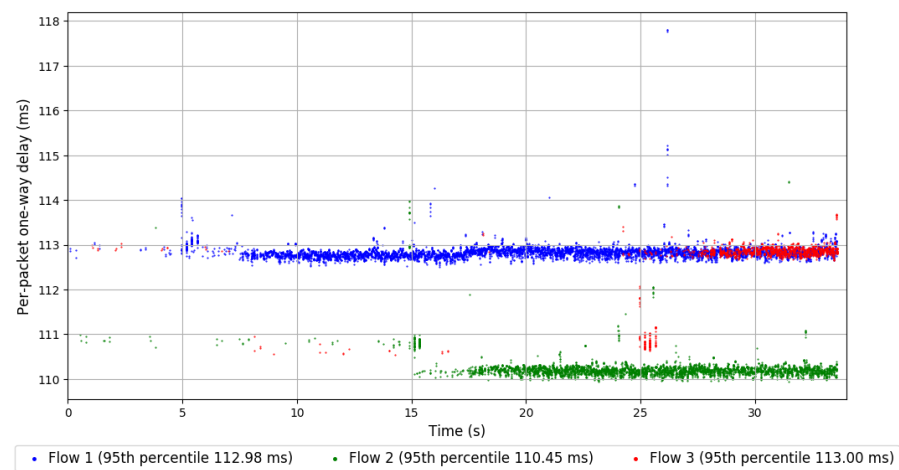
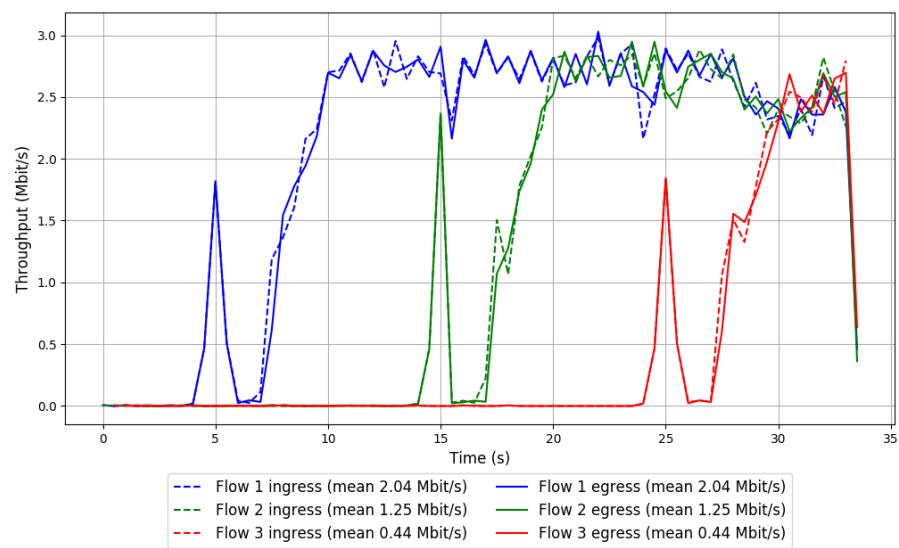
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 112.996 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-09 17:10:54

End at: 2018-01-09 17:11:24

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 112.941 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 112.574 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 110.916 ms

Loss rate: 0.00%

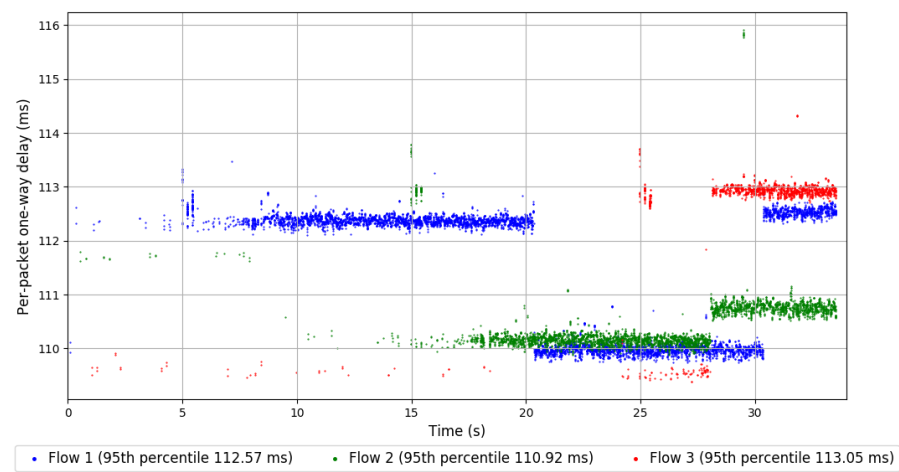
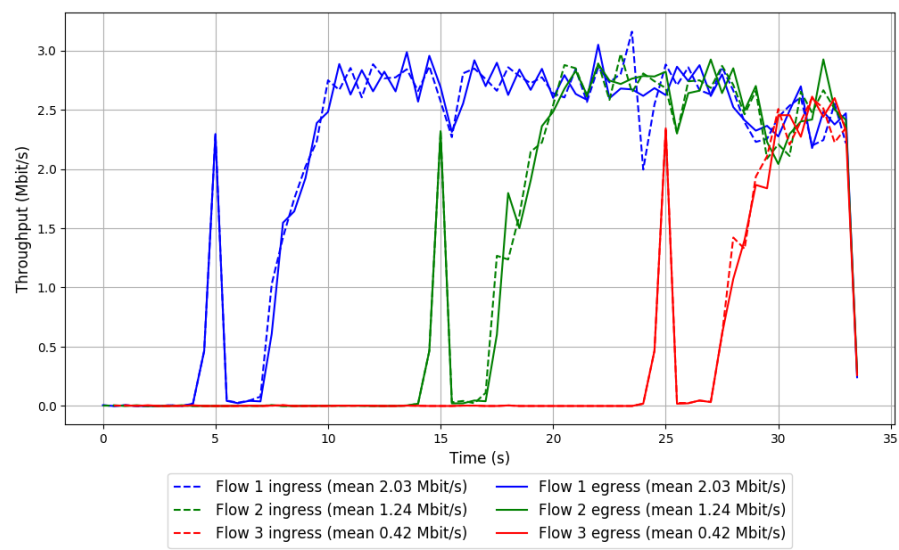
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 113.052 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-09 17:25:36

End at: 2018-01-09 17:26:06

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.65 Mbit/s

95th percentile per-packet one-way delay: 112.984 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 113.013 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 112.531 ms

Loss rate: 0.00%

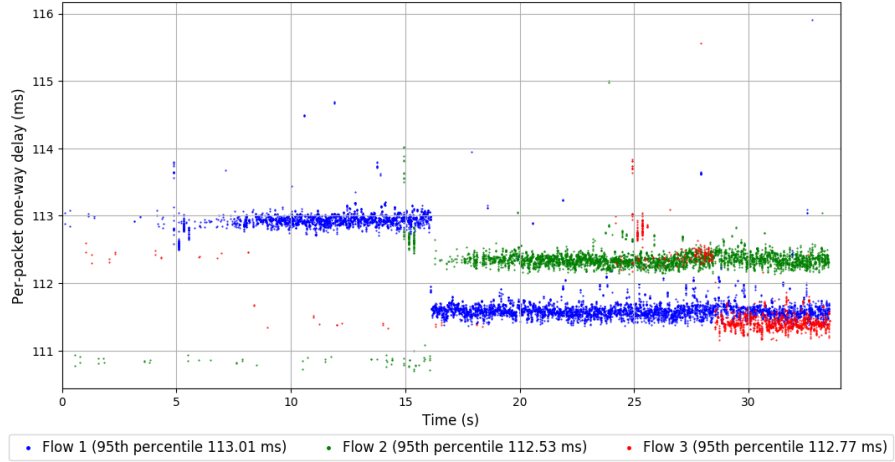
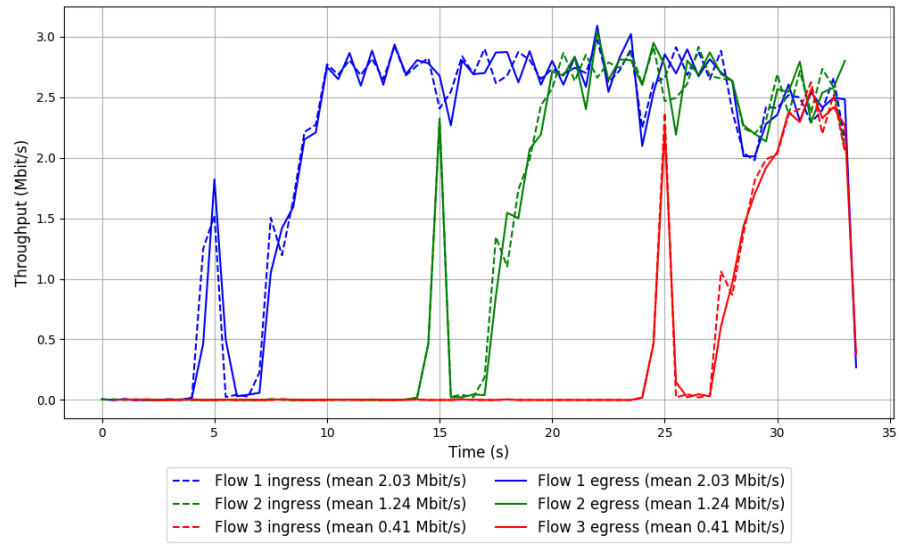
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 112.770 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

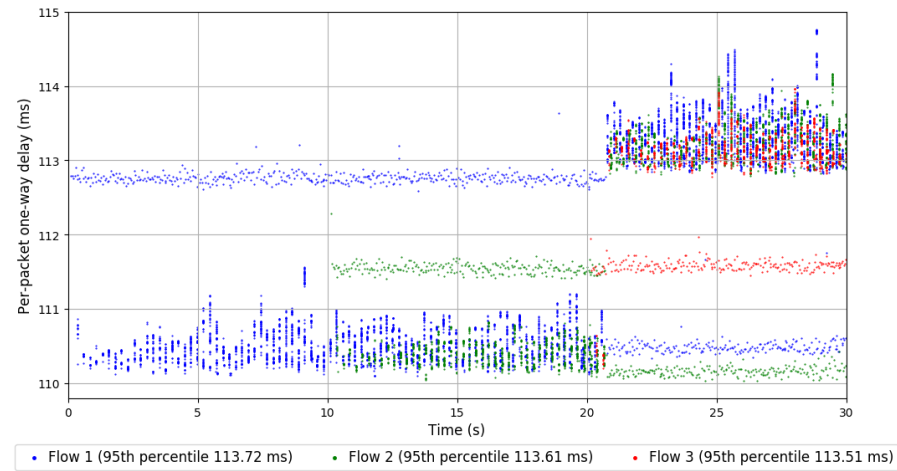
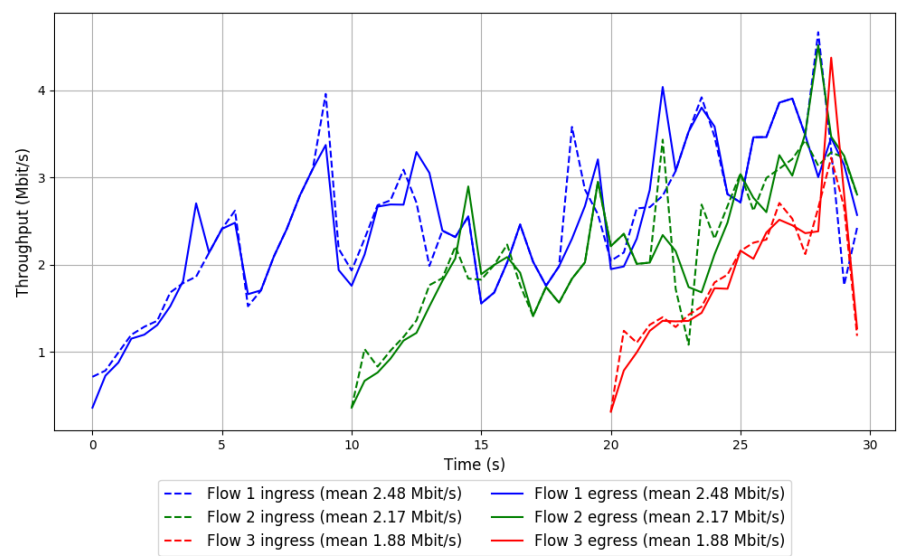


```
Run 1: Statistics of Sprout

Start at: 2018-01-09 15:10:48
End at: 2018-01-09 15:11:18

# Below is generated by plot.py at 2018-01-09 19:13:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 113.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 113.723 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 113.611 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 113.513 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-09 15:26:26

End at: 2018-01-09 15:26:56

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 113.725 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 3.12 Mbit/s

95th percentile per-packet one-way delay: 113.711 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 2.86 Mbit/s

95th percentile per-packet one-way delay: 113.795 ms

Loss rate: 0.00%

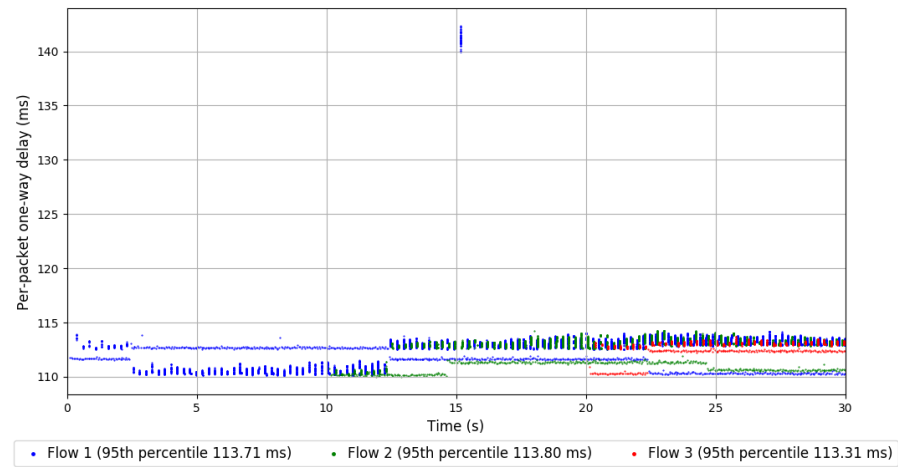
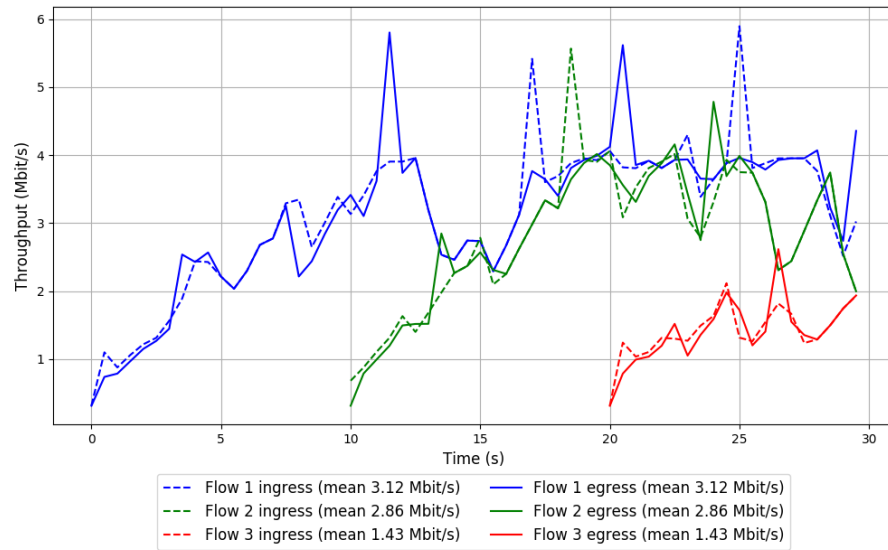
-- Flow 3:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 113.309 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-09 15:41:49

End at: 2018-01-09 15:42:19

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 111.675 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 111.802 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 111.407 ms

Loss rate: 0.00%

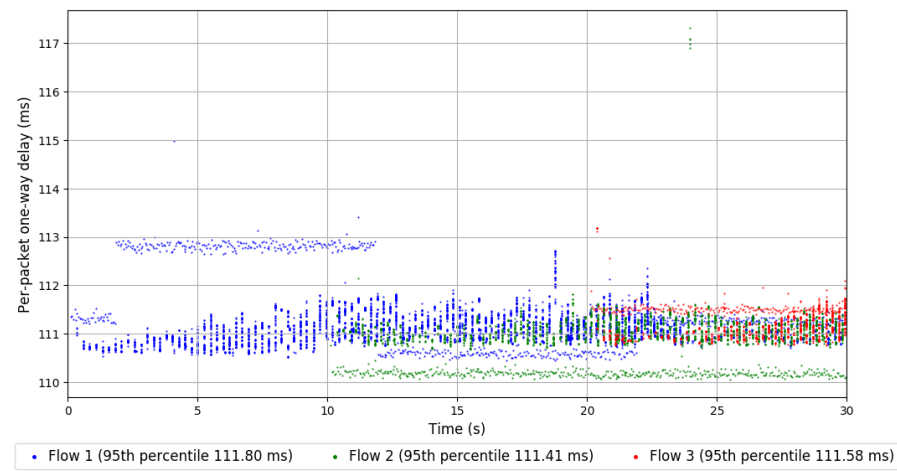
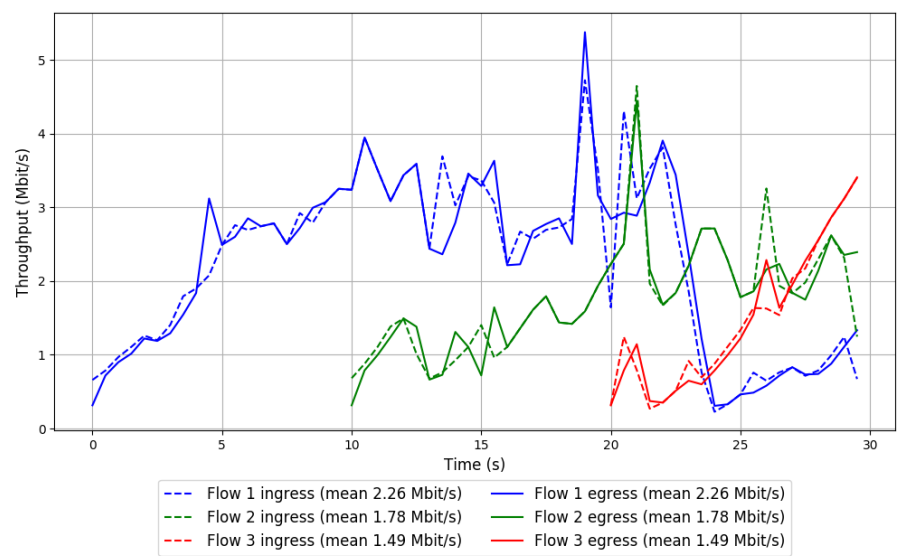
-- Flow 3:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 111.584 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-09 15:57:14

End at: 2018-01-09 15:57:44

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 113.702 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 113.767 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 113.381 ms

Loss rate: 0.11%

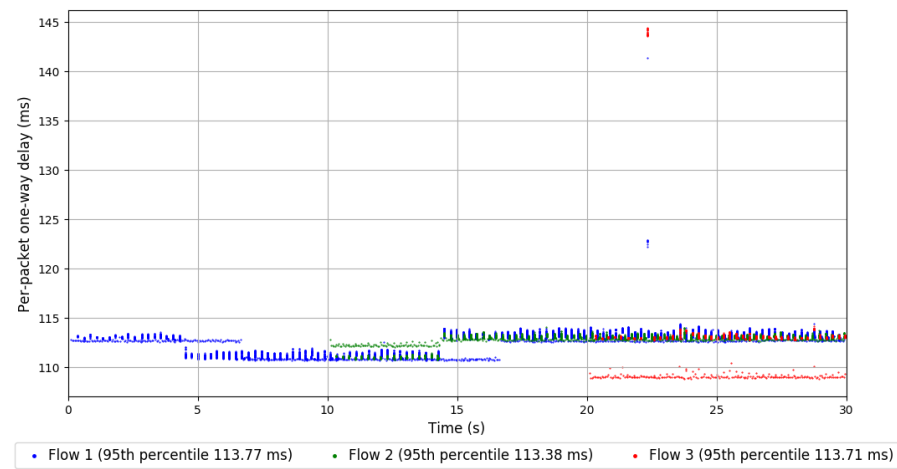
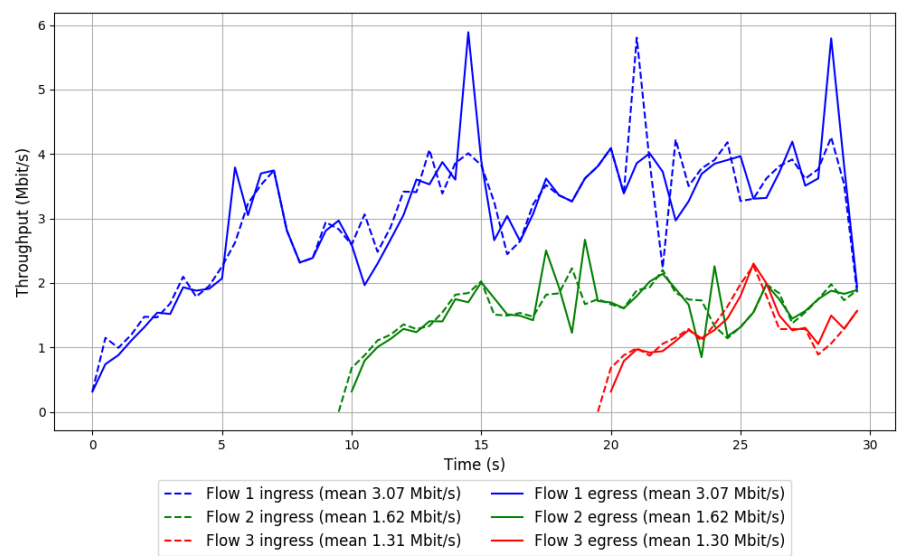
-- Flow 3:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 113.711 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-09 16:12:08

End at: 2018-01-09 16:12:38

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 113.592 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 113.691 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 113.443 ms

Loss rate: 0.00%

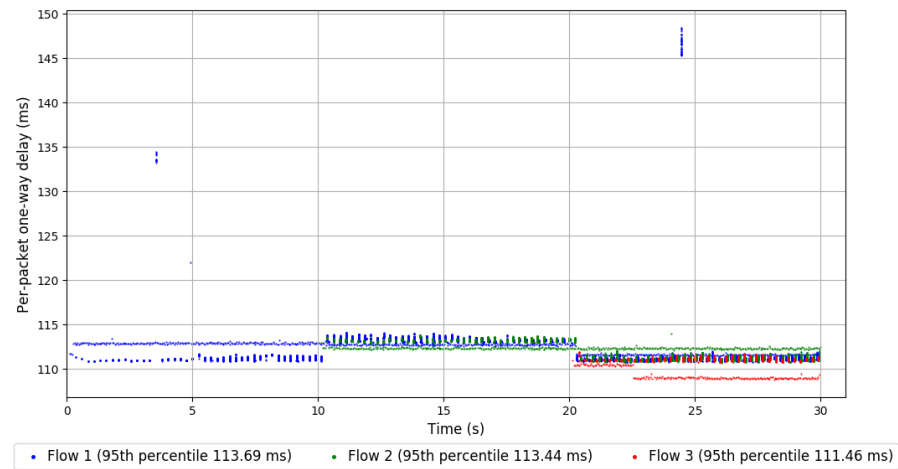
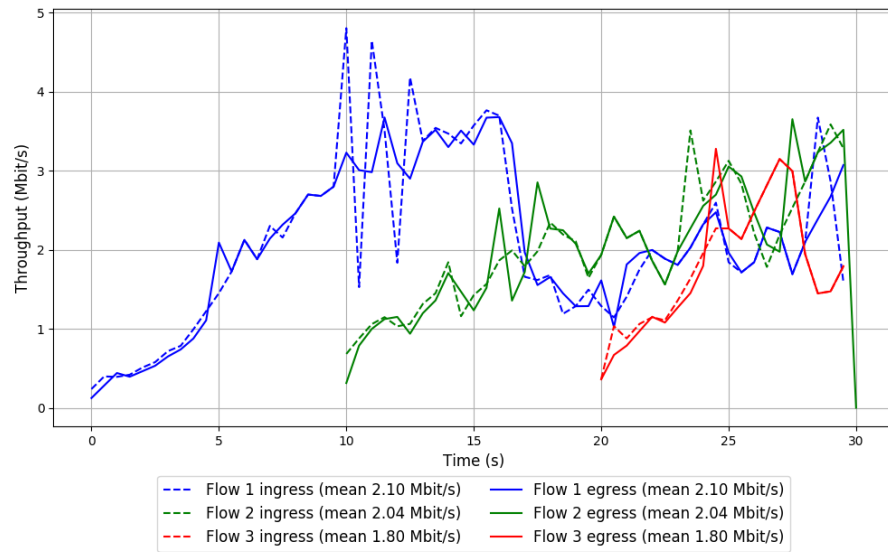
-- Flow 3:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 111.462 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-09 16:27:18

End at: 2018-01-09 16:27:48

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 113.820 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 113.752 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 113.920 ms

Loss rate: 0.00%

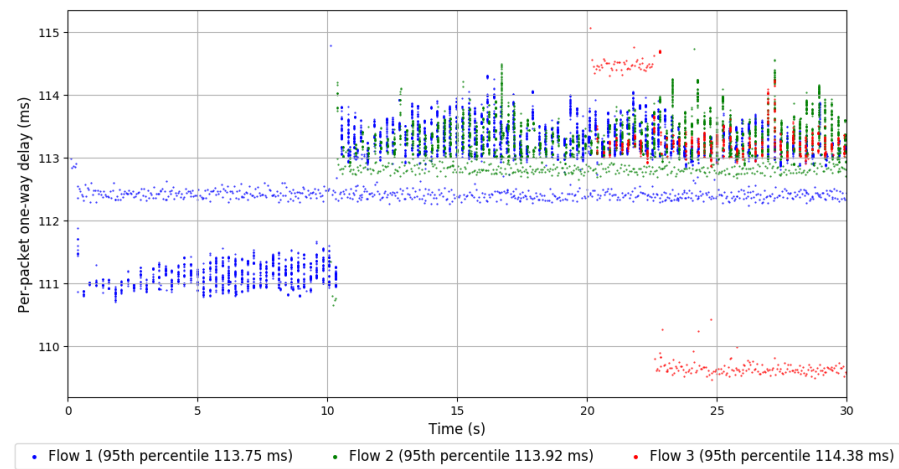
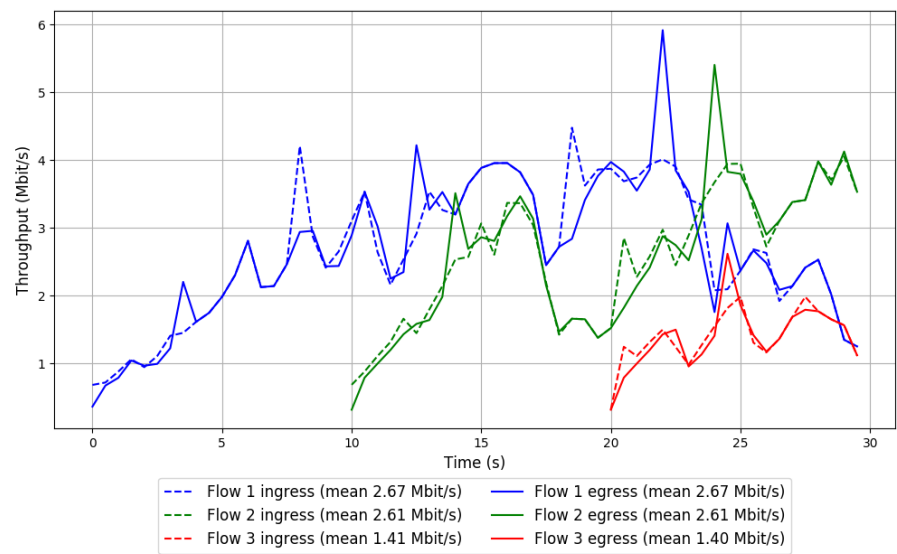
-- Flow 3:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 114.382 ms

Loss rate: 0.68%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-09 16:42:31

End at: 2018-01-09 16:43:01

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 113.798 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 113.664 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 114.587 ms

Loss rate: 0.05%

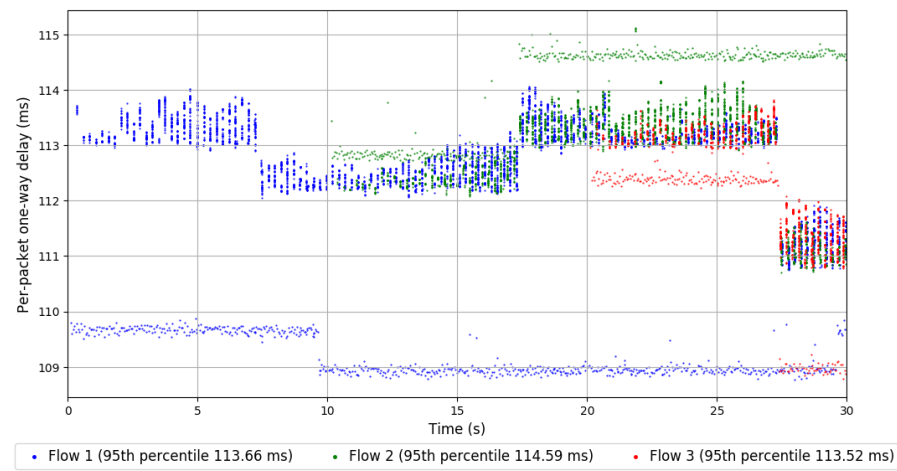
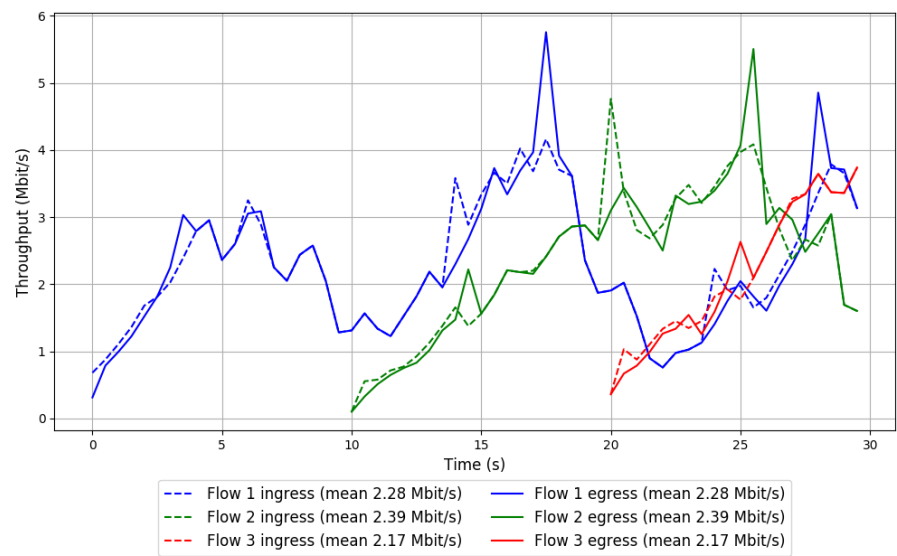
-- Flow 3:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 113.523 ms

Loss rate: 0.11%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-09 16:57:54

End at: 2018-01-09 16:58:24

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 113.780 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 113.809 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 113.765 ms

Loss rate: 0.00%

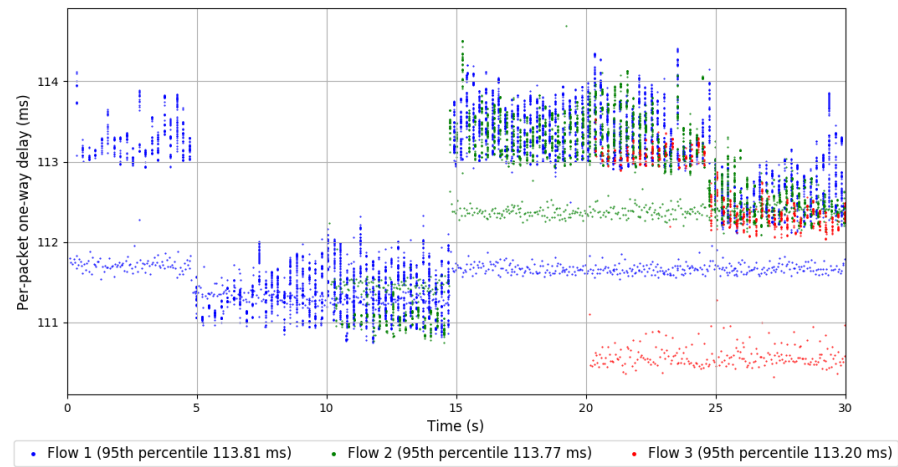
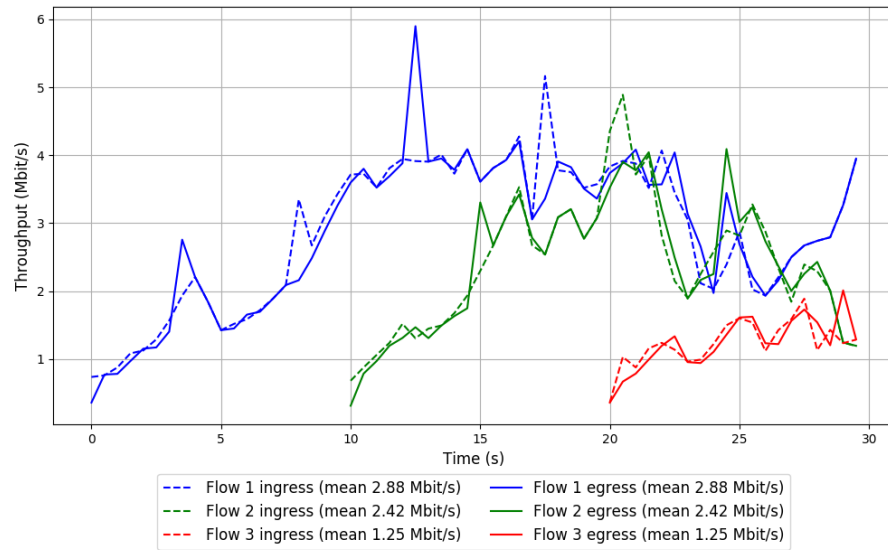
-- Flow 3:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 113.197 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-09 17:12:38

End at: 2018-01-09 17:13:08

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 113.308 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 113.293 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 113.274 ms

Loss rate: 0.22%

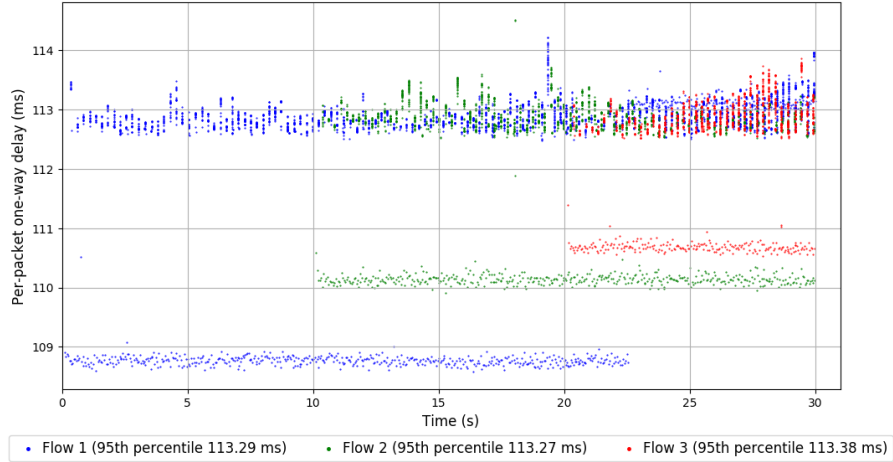
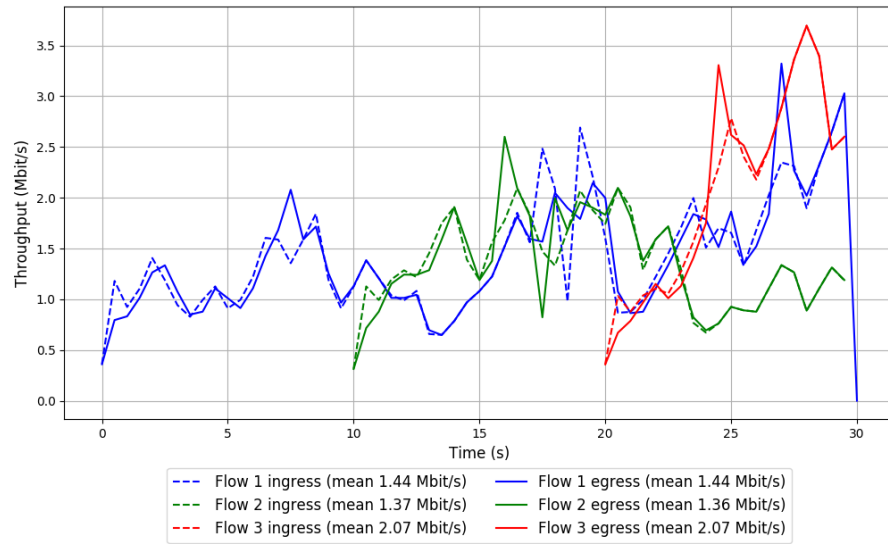
-- Flow 3:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 113.382 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-09 17:27:22

End at: 2018-01-09 17:27:52

Below is generated by plot.py at 2018-01-09 19:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 113.791 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 114.544 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 113.560 ms

Loss rate: 0.00%

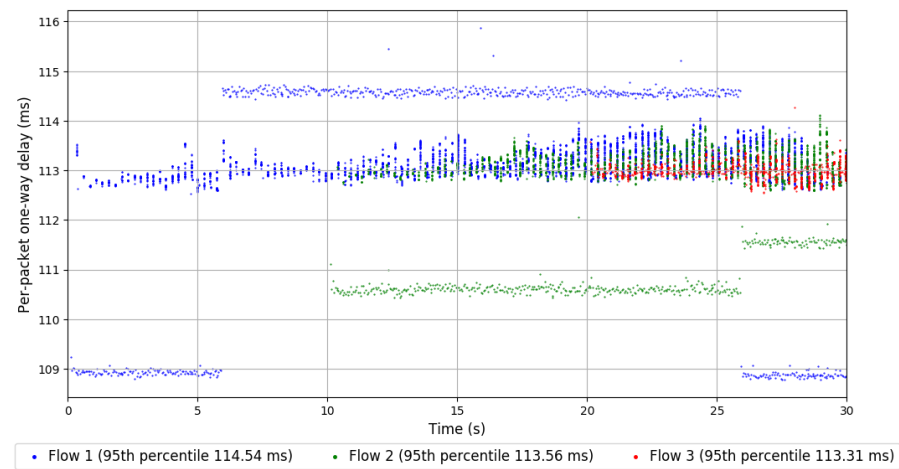
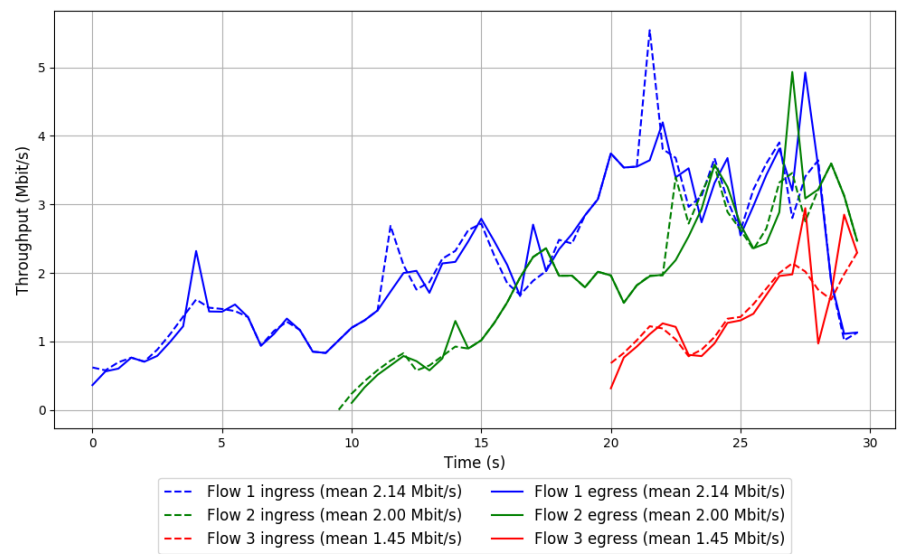
-- Flow 3:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 113.312 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

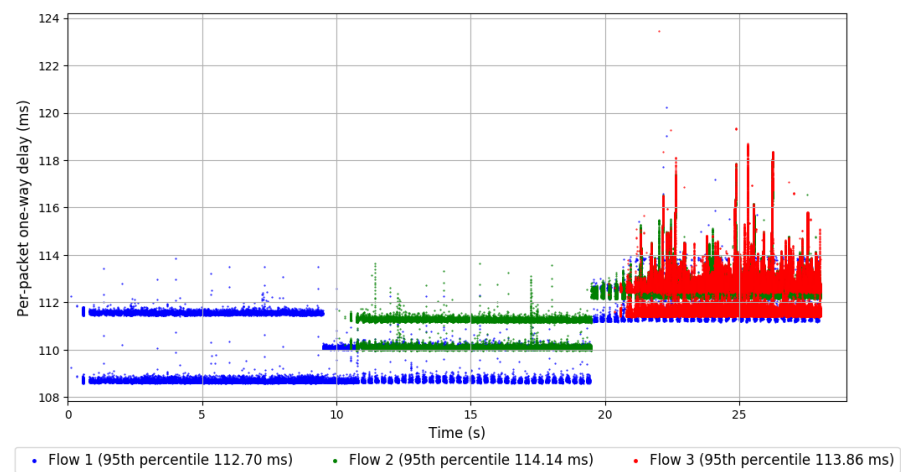
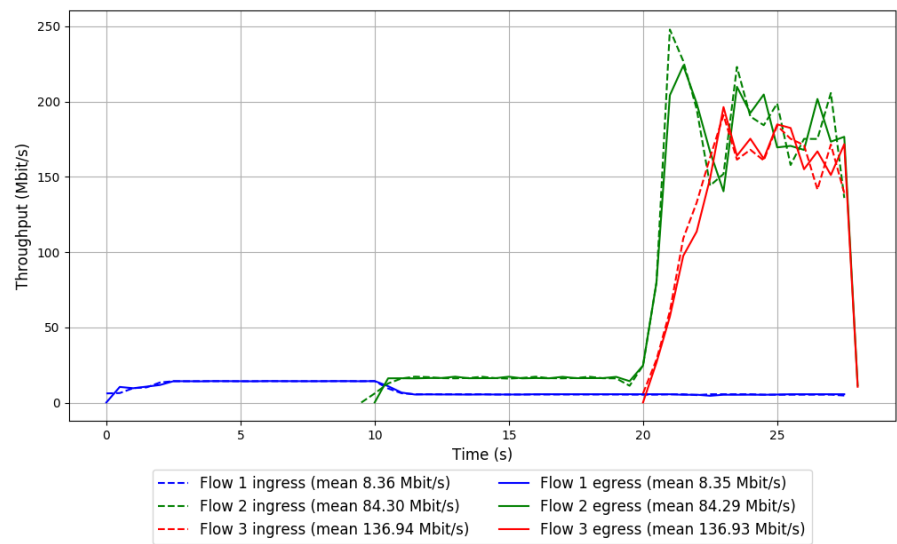


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-09 15:05:47
End at: 2018-01-09 15:06:17

# Below is generated by plot.py at 2018-01-09 19:13:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 101.27 Mbit/s
95th percentile per-packet one-way delay: 113.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 112.700 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 114.137 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.93 Mbit/s
95th percentile per-packet one-way delay: 113.864 ms
Loss rate: 0.00%
```


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

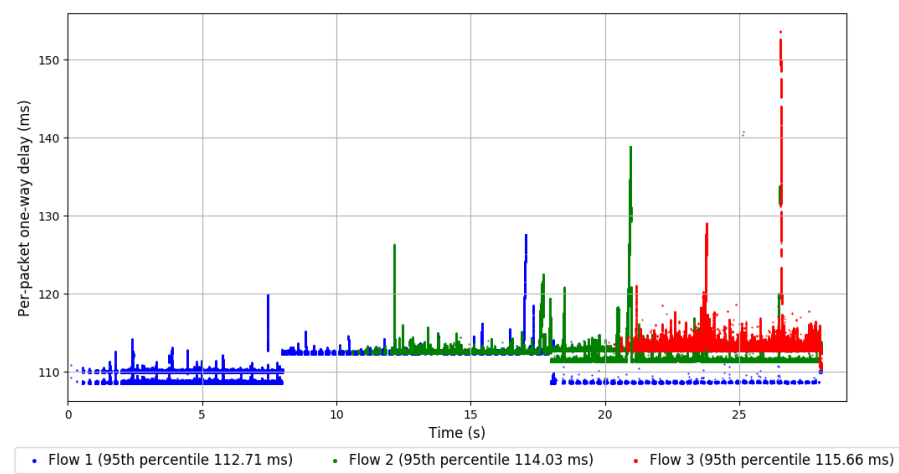
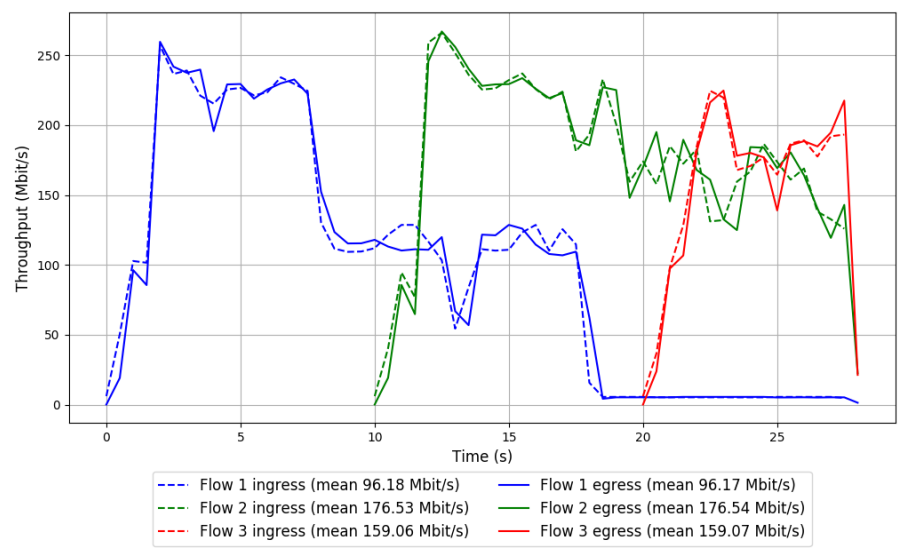


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-09 15:21:08
End at: 2018-01-09 15:21:38

# Below is generated by plot.py at 2018-01-09 19:15:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 254.49 Mbit/s
95th percentile per-packet one-way delay: 114.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 112.708 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.54 Mbit/s
95th percentile per-packet one-way delay: 114.032 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 159.07 Mbit/s
95th percentile per-packet one-way delay: 115.658 ms
Loss rate: 0.00%
```

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

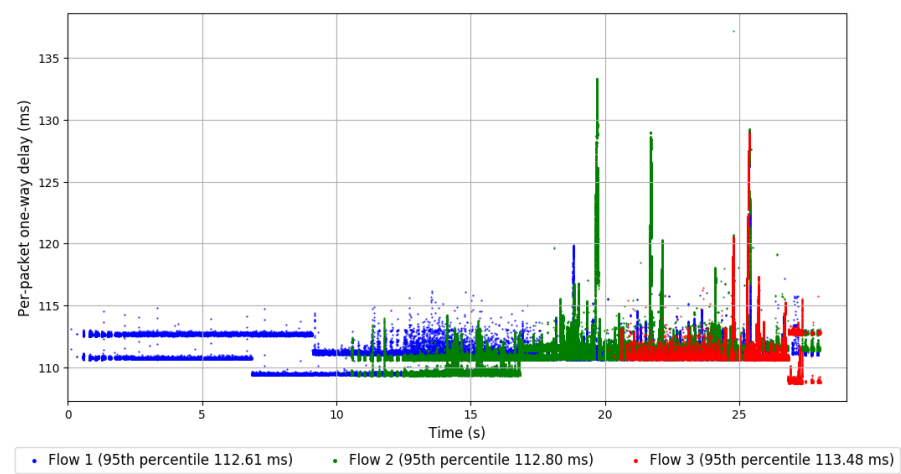
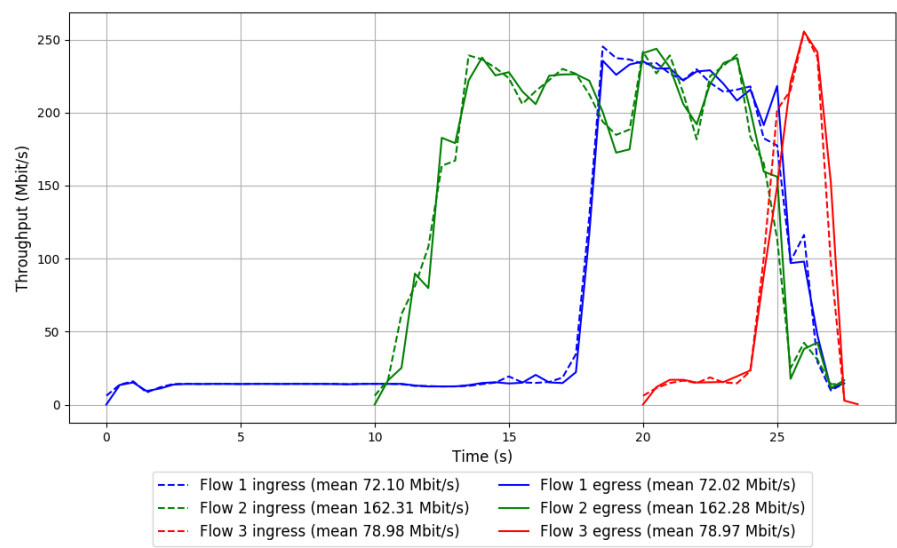


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-09 15:36:40
End at: 2018-01-09 15:37:10

# Below is generated by plot.py at 2018-01-09 19:15:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 198.03 Mbit/s
95th percentile per-packet one-way delay: 112.760 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 72.02 Mbit/s
95th percentile per-packet one-way delay: 112.612 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 162.28 Mbit/s
95th percentile per-packet one-way delay: 112.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 78.97 Mbit/s
95th percentile per-packet one-way delay: 113.485 ms
Loss rate: 0.00%
```

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-09 15:52:01

End at: 2018-01-09 15:52:31

Below is generated by plot.py at 2018-01-09 19:15:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 226.85 Mbit/s

95th percentile per-packet one-way delay: 111.435 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 73.82 Mbit/s

95th percentile per-packet one-way delay: 111.577 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 190.35 Mbit/s

95th percentile per-packet one-way delay: 110.945 ms

Loss rate: 0.00%

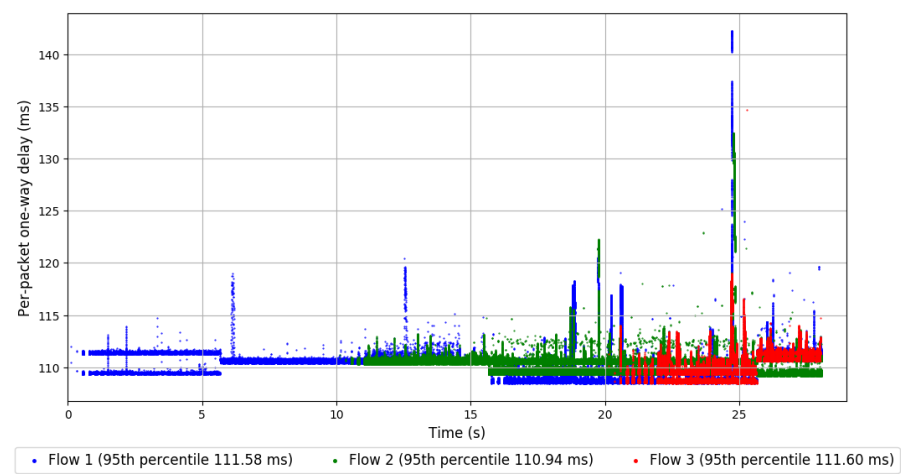
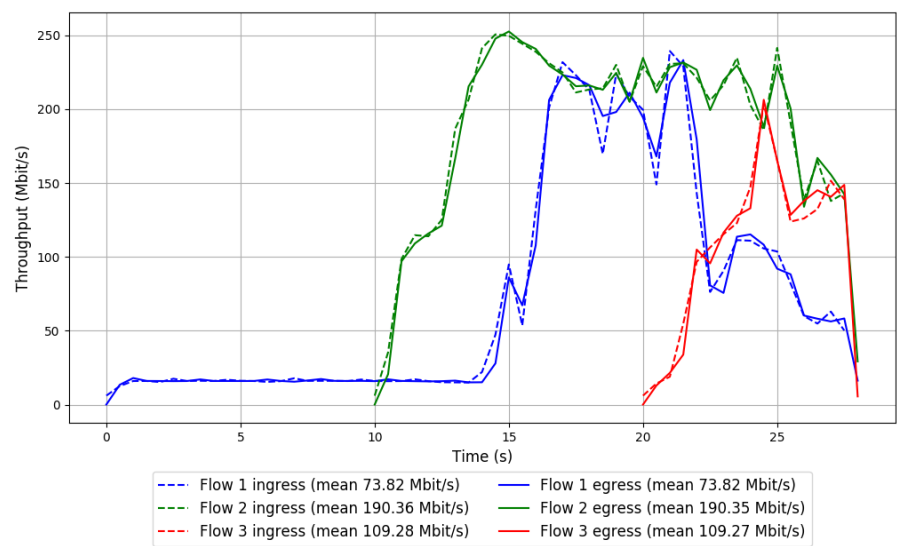
-- Flow 3:

Average throughput: 109.27 Mbit/s

95th percentile per-packet one-way delay: 111.597 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-09 16:07:22

End at: 2018-01-09 16:07:52

Below is generated by plot.py at 2018-01-09 19:15:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.41 Mbit/s

95th percentile per-packet one-way delay: 114.249 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 18.35 Mbit/s

95th percentile per-packet one-way delay: 114.301 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 112.531 ms

Loss rate: 0.00%

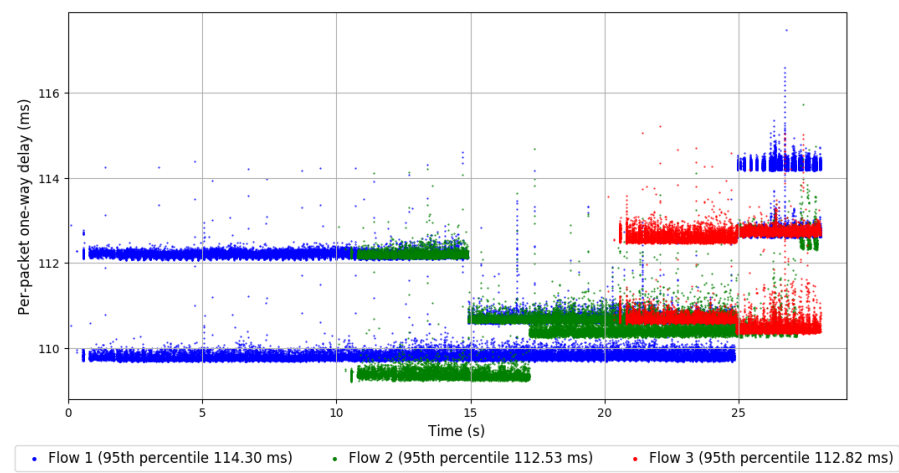
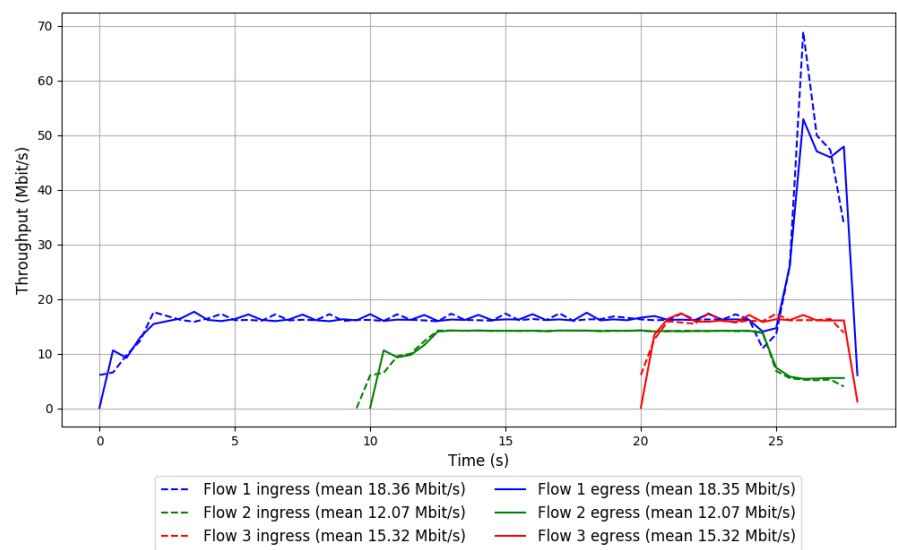
-- Flow 3:

Average throughput: 15.32 Mbit/s

95th percentile per-packet one-way delay: 112.821 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-09 16:22:09

End at: 2018-01-09 16:22:39

Below is generated by plot.py at 2018-01-09 19:15:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 215.49 Mbit/s

95th percentile per-packet one-way delay: 115.442 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 129.32 Mbit/s

95th percentile per-packet one-way delay: 115.497 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 127.80 Mbit/s

95th percentile per-packet one-way delay: 115.527 ms

Loss rate: 0.11%

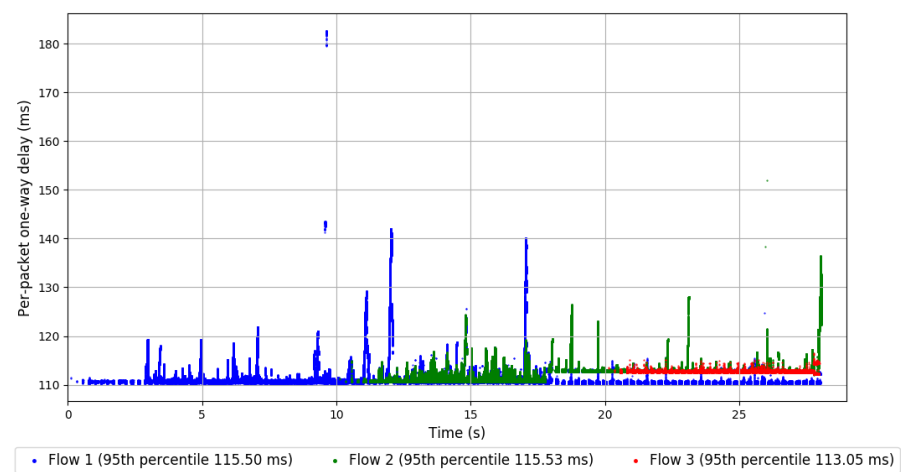
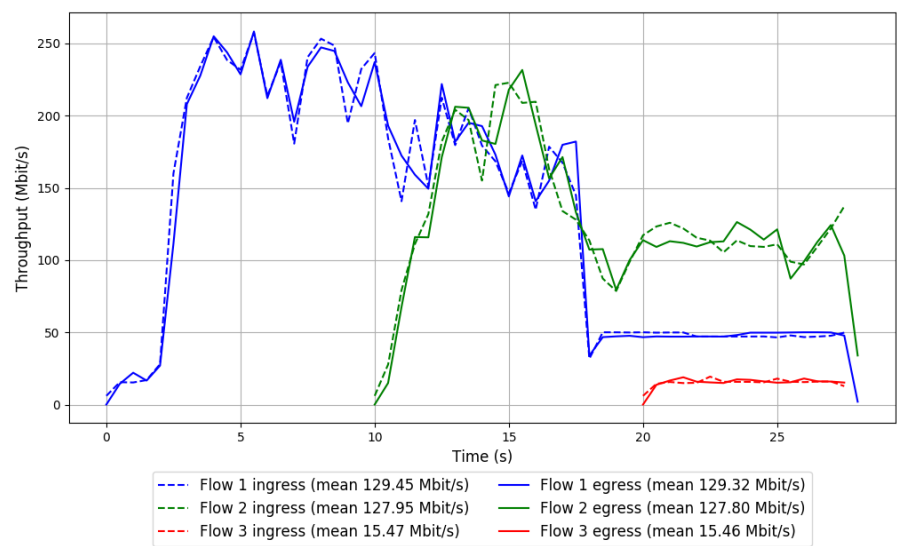
-- Flow 3:

Average throughput: 15.46 Mbit/s

95th percentile per-packet one-way delay: 113.046 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-09 16:37:37

End at: 2018-01-09 16:38:07

Below is generated by plot.py at 2018-01-09 19:15:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.83 Mbit/s

95th percentile per-packet one-way delay: 114.009 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 112.927 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.73 Mbit/s

95th percentile per-packet one-way delay: 112.765 ms

Loss rate: 0.00%

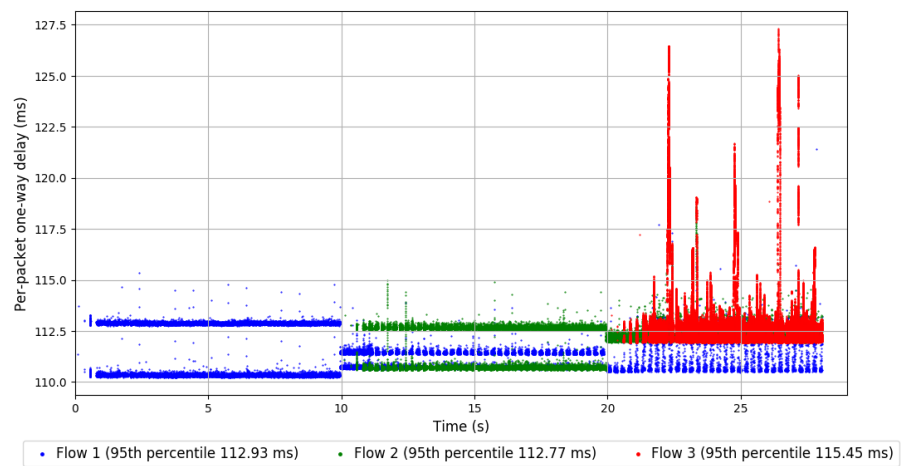
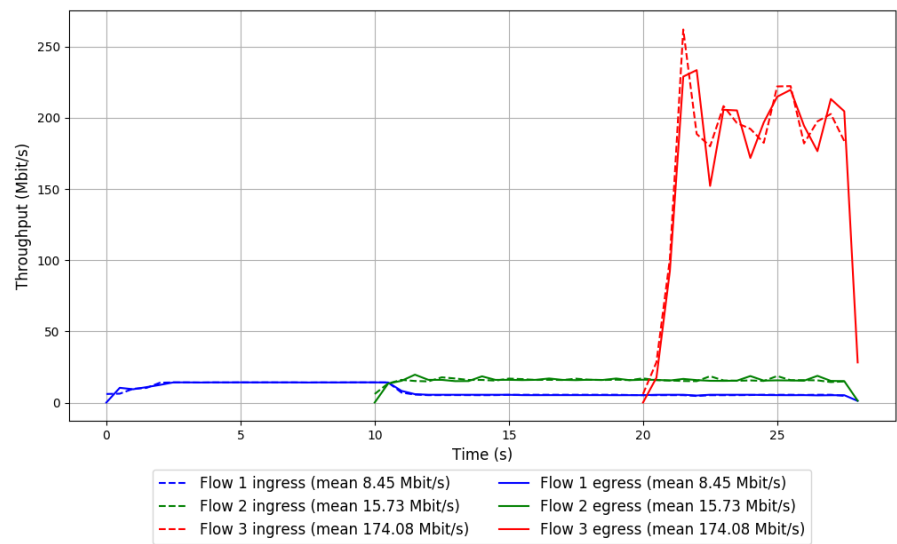
-- Flow 3:

Average throughput: 174.08 Mbit/s

95th percentile per-packet one-way delay: 115.446 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-09 16:52:35

End at: 2018-01-09 16:53:05

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.75 Mbit/s

95th percentile per-packet one-way delay: 113.960 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 107.99 Mbit/s

95th percentile per-packet one-way delay: 113.787 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 124.25 Mbit/s

95th percentile per-packet one-way delay: 113.755 ms

Loss rate: 0.00%

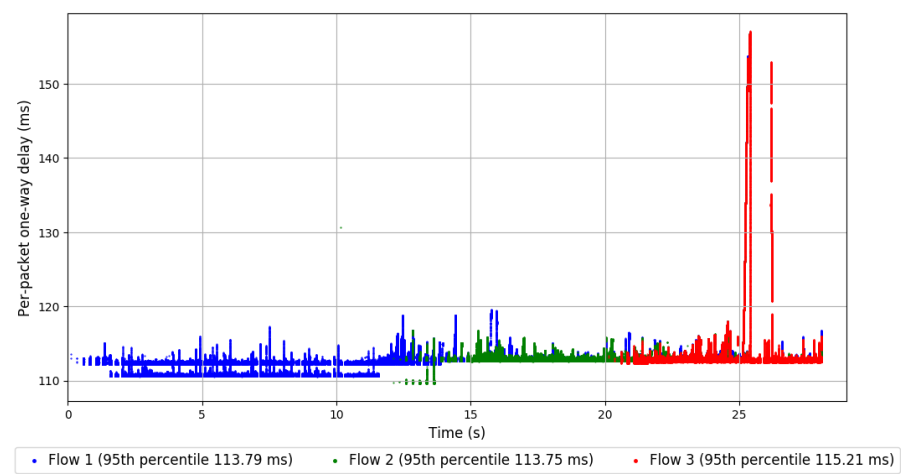
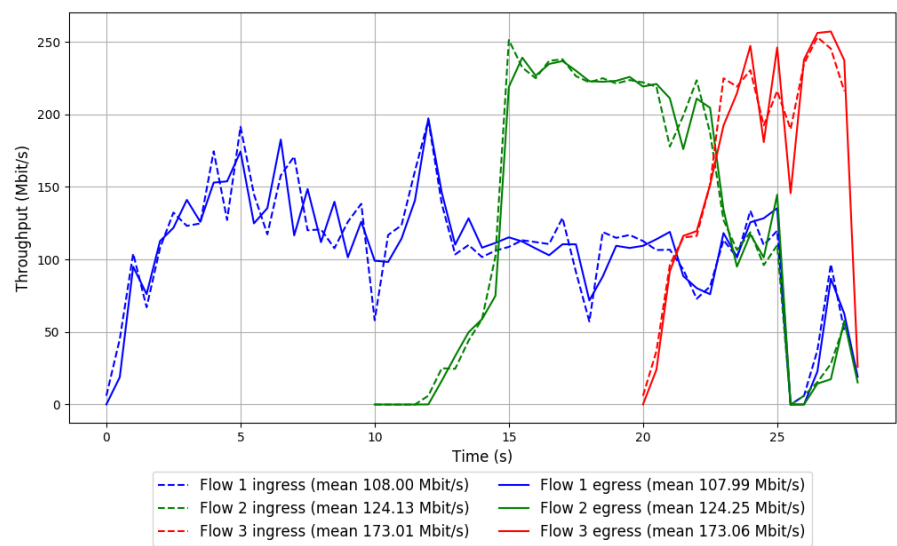
-- Flow 3:

Average throughput: 173.06 Mbit/s

95th percentile per-packet one-way delay: 115.208 ms

Loss rate: 0.00%

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

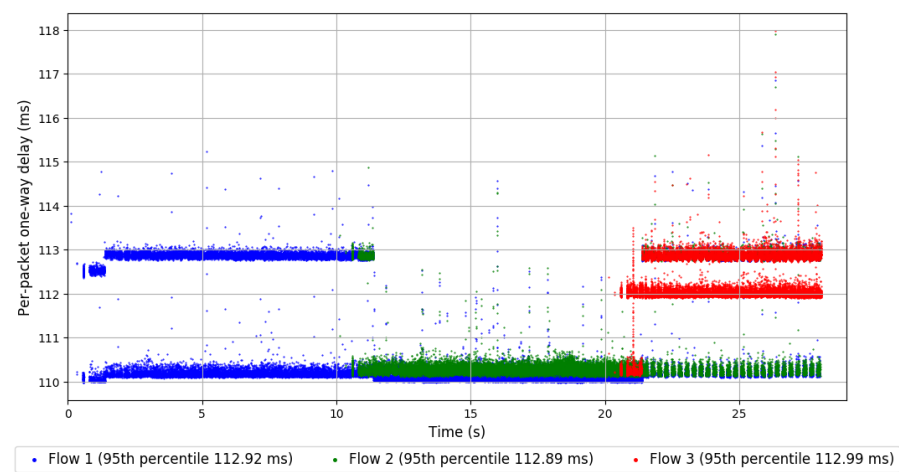
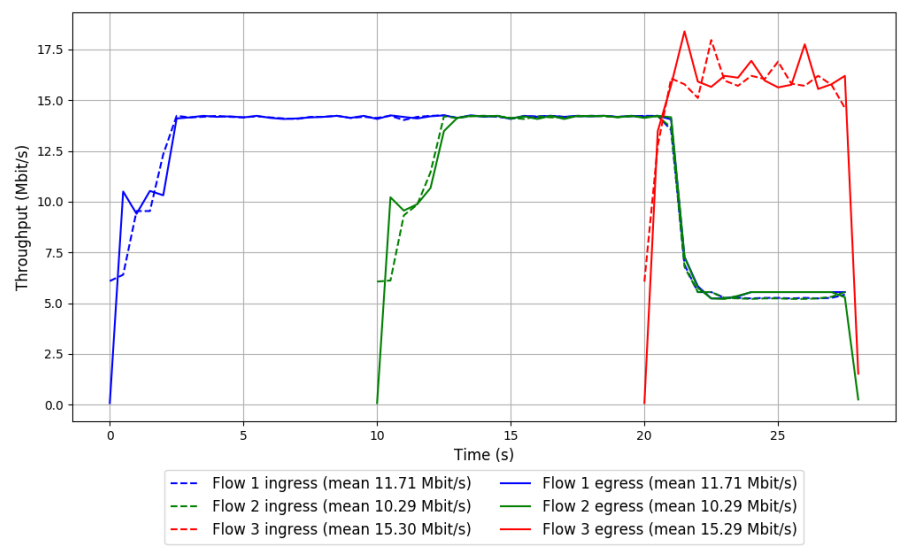


```
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-09 17:07:55
End at: 2018-01-09 17:08:25

# Below is generated by plot.py at 2018-01-09 19:18:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.61 Mbit/s
95th percentile per-packet one-way delay: 112.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 112.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.29 Mbit/s
95th percentile per-packet one-way delay: 112.885 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 112.993 ms
Loss rate: 0.00%
```


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

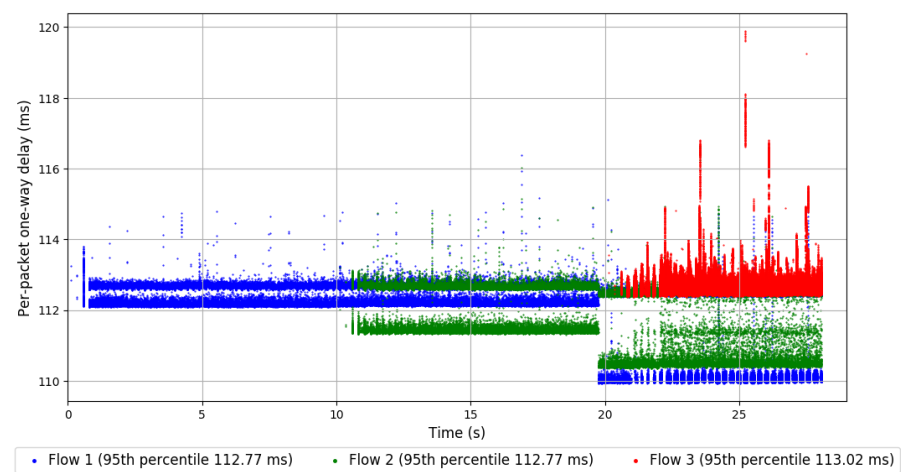
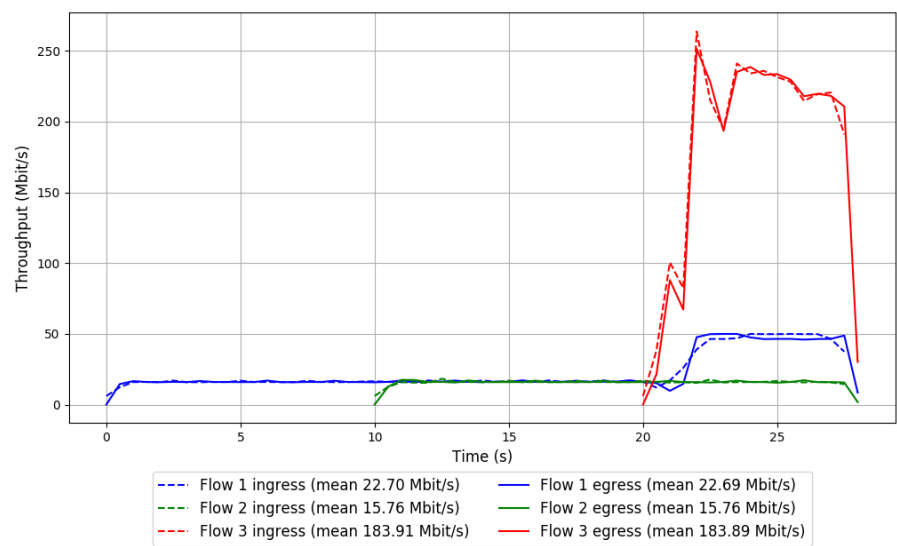


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-09 17:22:17
End at: 2018-01-09 17:22:47

# Below is generated by plot.py at 2018-01-09 19:18:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 112.931 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 112.765 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 112.765 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 183.89 Mbit/s
95th percentile per-packet one-way delay: 113.015 ms
Loss rate: 0.03%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-09 14:56:29

End at: 2018-01-09 14:56:59

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.01 Mbit/s

95th percentile per-packet one-way delay: 113.869 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.61 Mbit/s

95th percentile per-packet one-way delay: 113.778 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 17.78 Mbit/s

95th percentile per-packet one-way delay: 113.912 ms

Loss rate: 0.00%

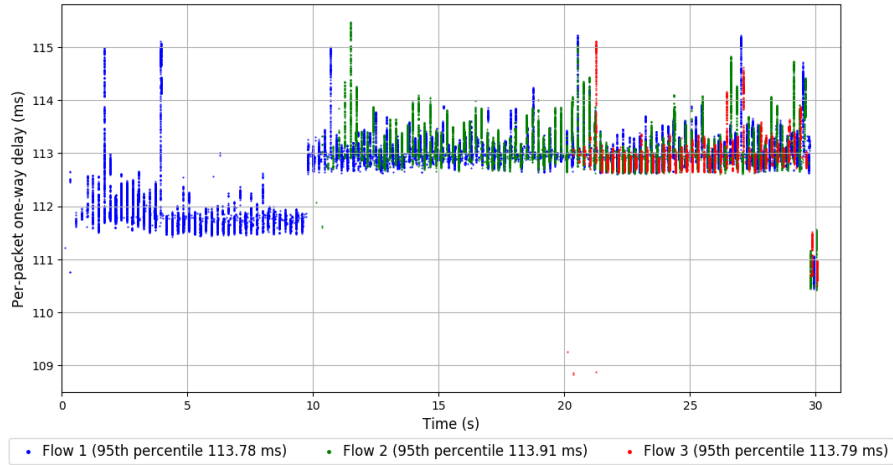
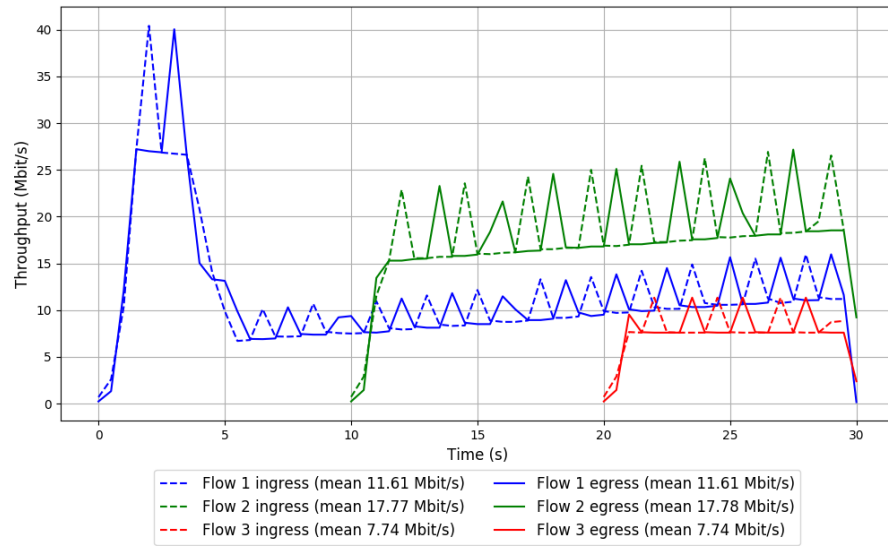
-- Flow 3:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 113.793 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-09 15:11:35

End at: 2018-01-09 15:12:05

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.08 Mbit/s

95th percentile per-packet one-way delay: 113.284 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 26.83 Mbit/s

95th percentile per-packet one-way delay: 113.430 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 112.890 ms

Loss rate: 0.00%

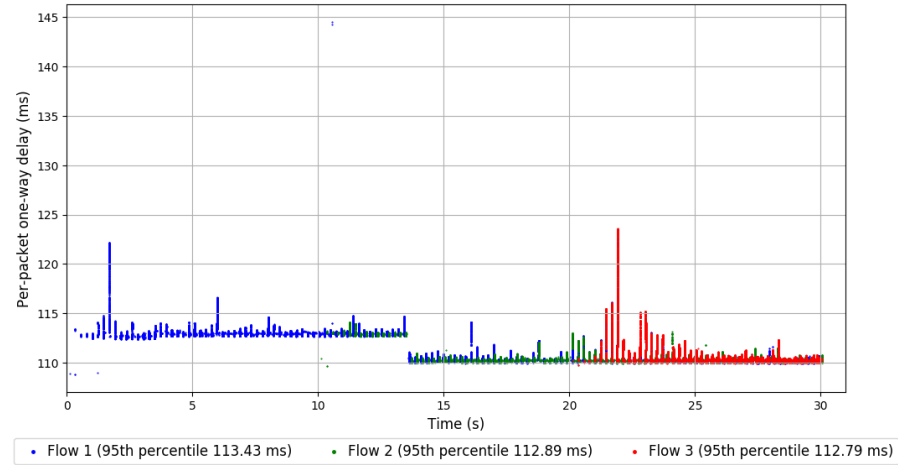
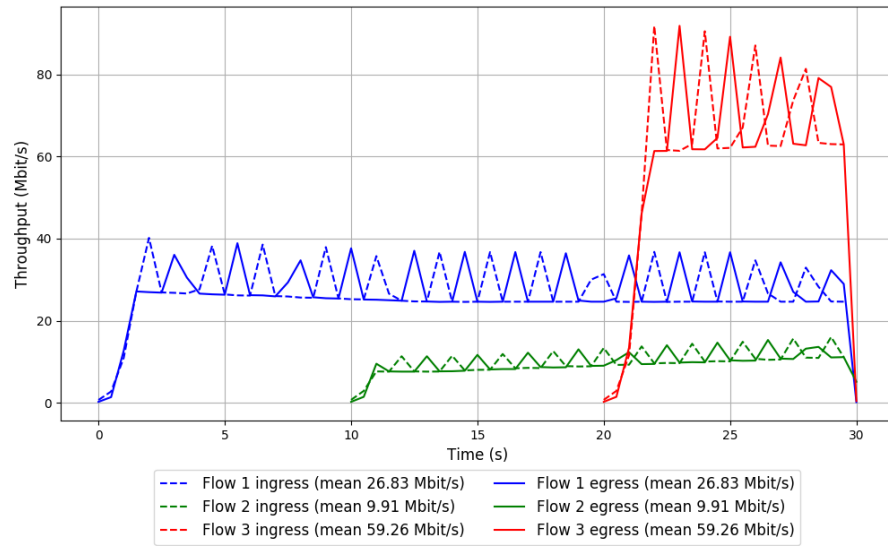
-- Flow 3:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 112.794 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-09 15:27:13

End at: 2018-01-09 15:27:43

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 116.296 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.70 Mbit/s

95th percentile per-packet one-way delay: 113.780 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 40.68 Mbit/s

95th percentile per-packet one-way delay: 117.920 ms

Loss rate: 0.00%

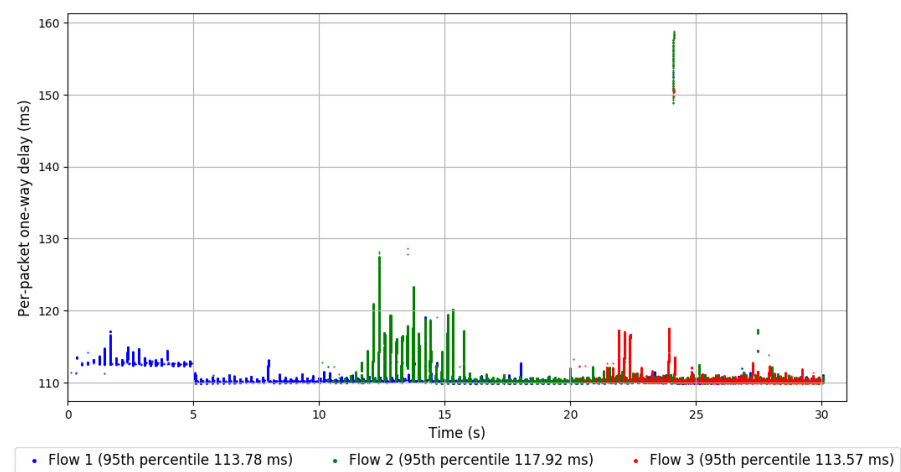
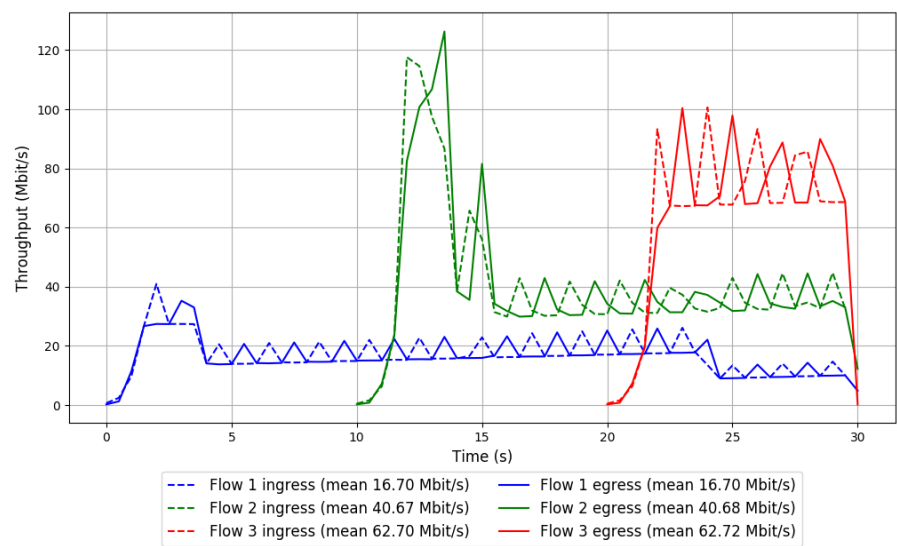
-- Flow 3:

Average throughput: 62.72 Mbit/s

95th percentile per-packet one-way delay: 113.571 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-09 15:42:36

End at: 2018-01-09 15:43:06

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.30 Mbit/s

95th percentile per-packet one-way delay: 113.518 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.68 Mbit/s

95th percentile per-packet one-way delay: 113.483 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.43 Mbit/s

95th percentile per-packet one-way delay: 113.494 ms

Loss rate: 0.00%

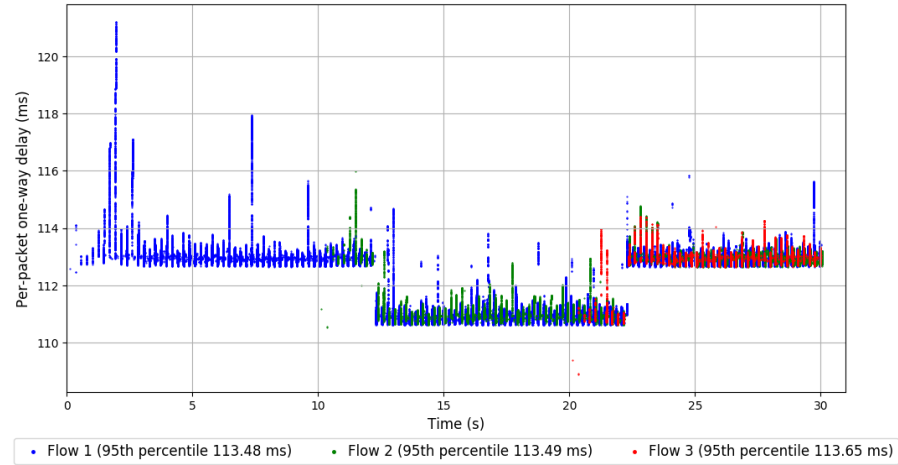
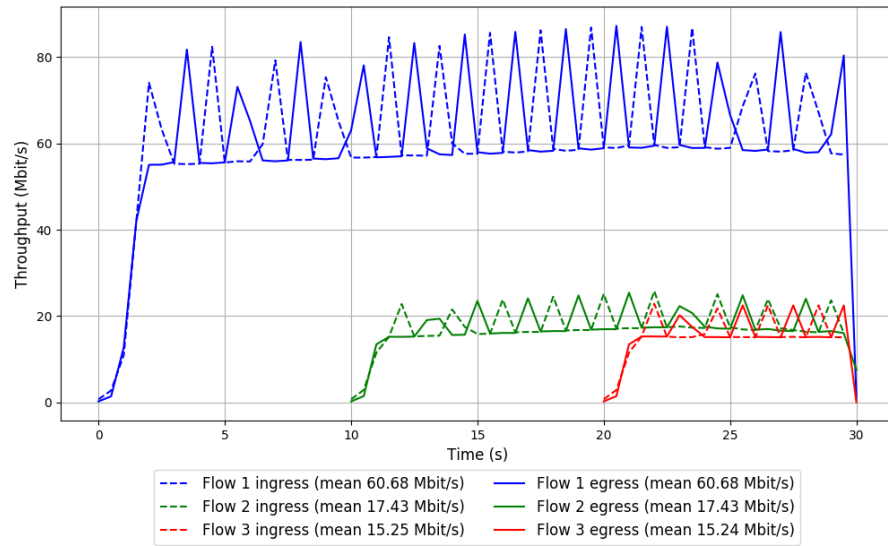
-- Flow 3:

Average throughput: 15.24 Mbit/s

95th percentile per-packet one-way delay: 113.647 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-09 15:58:01

End at: 2018-01-09 15:58:31

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 113.974 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.85 Mbit/s

95th percentile per-packet one-way delay: 114.053 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.34 Mbit/s

95th percentile per-packet one-way delay: 113.830 ms

Loss rate: 0.00%

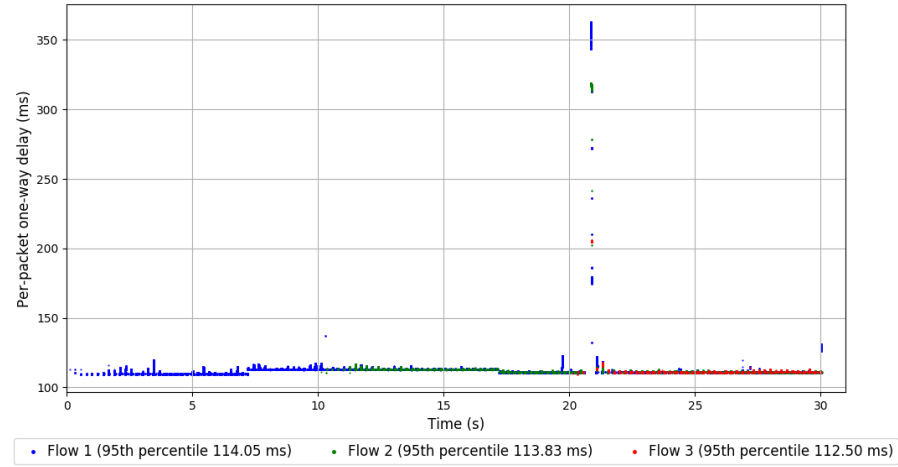
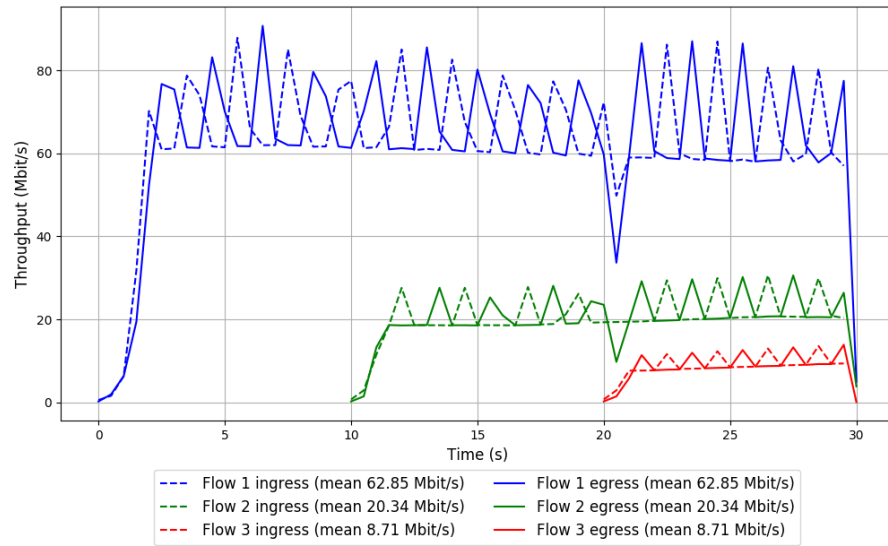
-- Flow 3:

Average throughput: 8.71 Mbit/s

95th percentile per-packet one-way delay: 112.501 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-09 16:12:55

End at: 2018-01-09 16:13:25

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.88 Mbit/s

95th percentile per-packet one-way delay: 114.042 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 36.55 Mbit/s

95th percentile per-packet one-way delay: 114.136 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.08 Mbit/s

95th percentile per-packet one-way delay: 113.941 ms

Loss rate: 0.04%

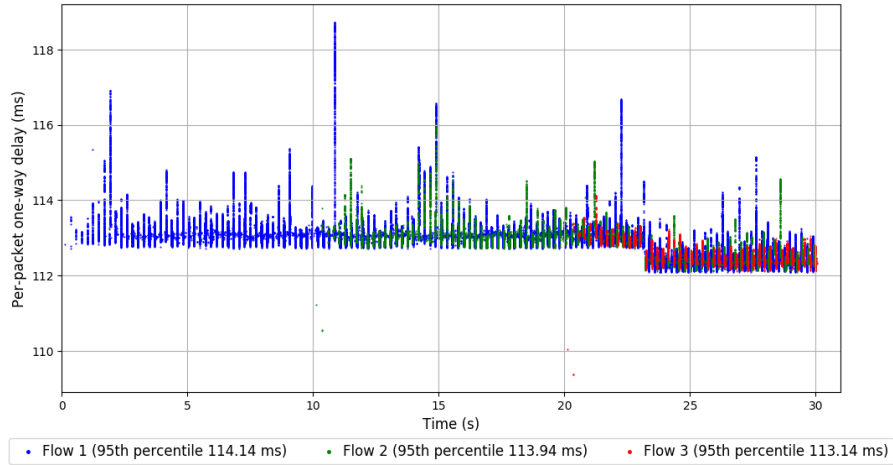
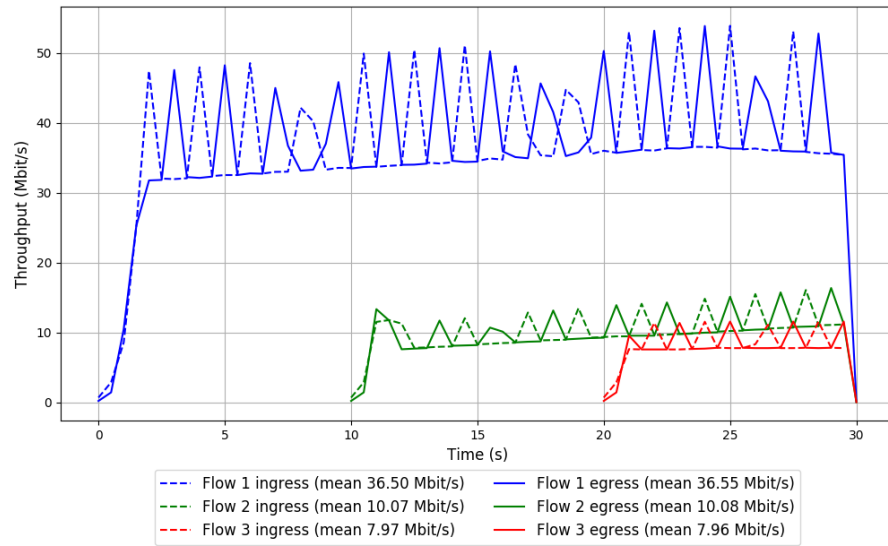
-- Flow 3:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 113.141 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-09 16:28:05

End at: 2018-01-09 16:28:35

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.07 Mbit/s

95th percentile per-packet one-way delay: 116.921 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 78.91 Mbit/s

95th percentile per-packet one-way delay: 115.295 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 66.69 Mbit/s

95th percentile per-packet one-way delay: 118.294 ms

Loss rate: 0.01%

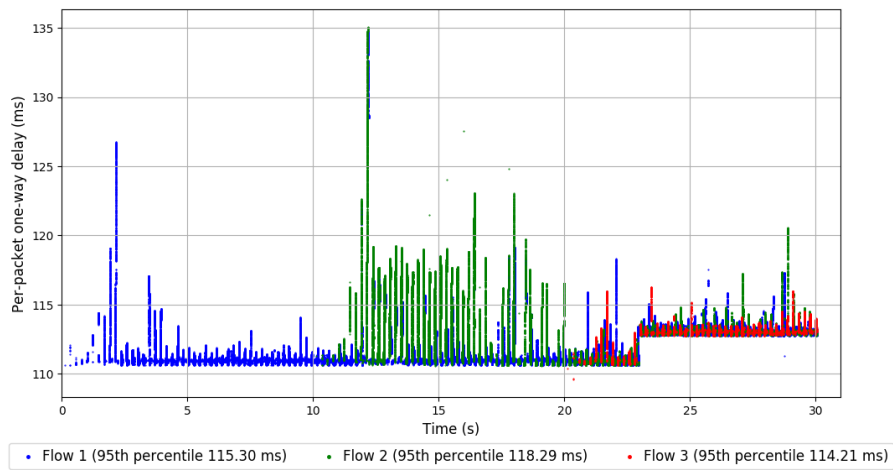
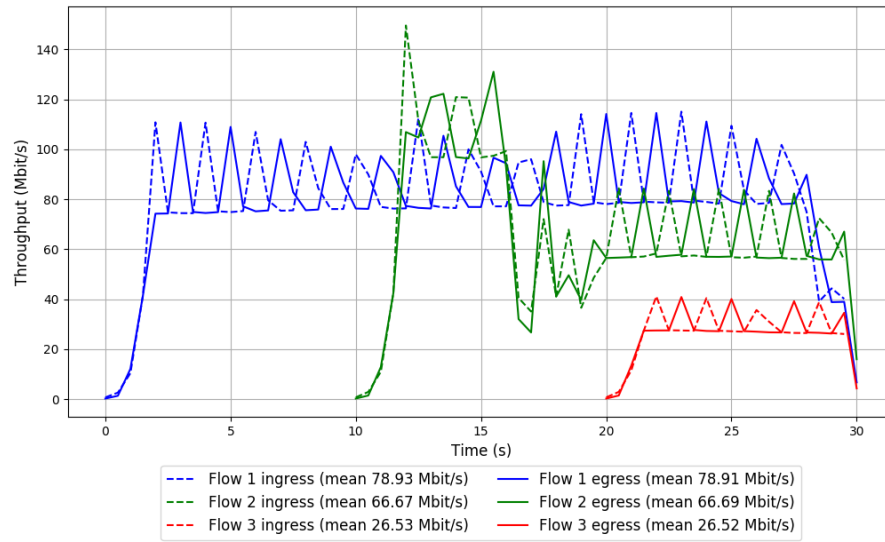
-- Flow 3:

Average throughput: 26.52 Mbit/s

95th percentile per-packet one-way delay: 114.213 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-09 16:43:18

End at: 2018-01-09 16:43:48

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.31 Mbit/s

95th percentile per-packet one-way delay: 119.233 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.39 Mbit/s

95th percentile per-packet one-way delay: 118.752 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.09 Mbit/s

95th percentile per-packet one-way delay: 117.590 ms

Loss rate: 0.00%

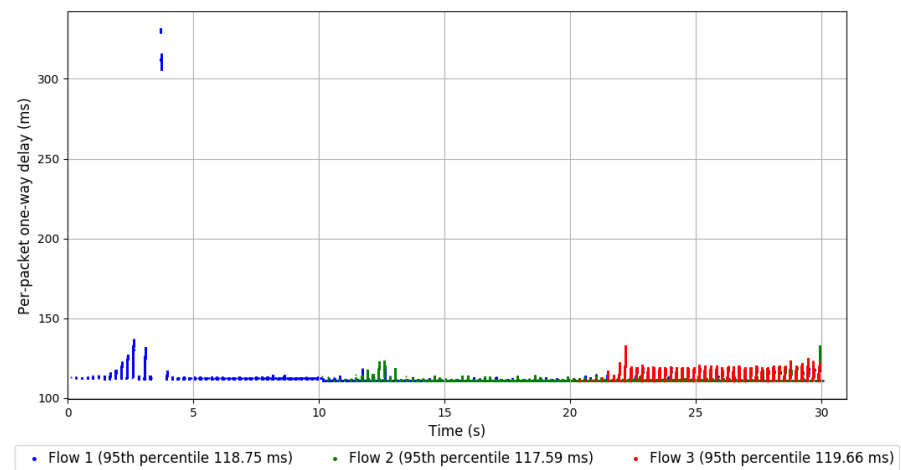
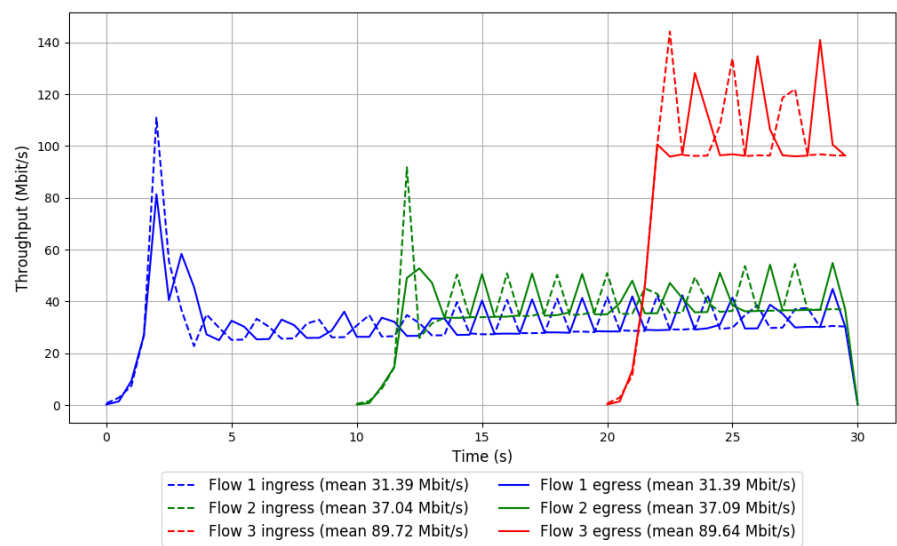
-- Flow 3:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 119.663 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-09 16:58:41

End at: 2018-01-09 16:59:11

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.08 Mbit/s

95th percentile per-packet one-way delay: 113.632 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 113.644 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 17.57 Mbit/s

95th percentile per-packet one-way delay: 113.328 ms

Loss rate: 0.00%

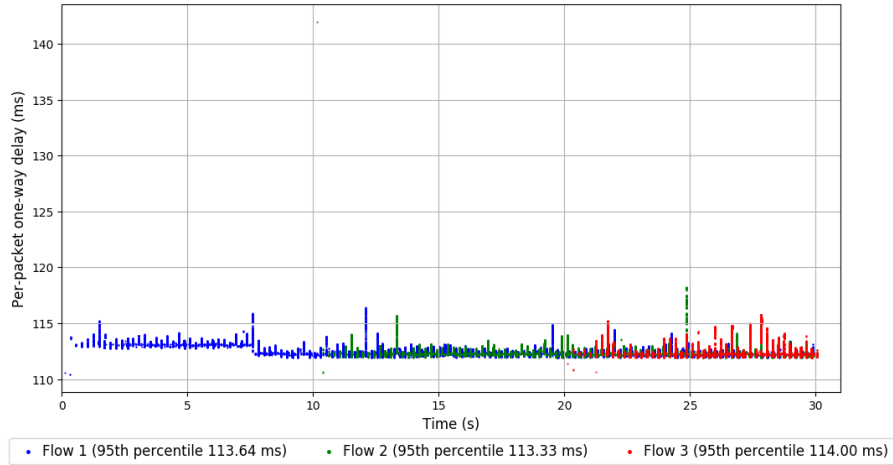
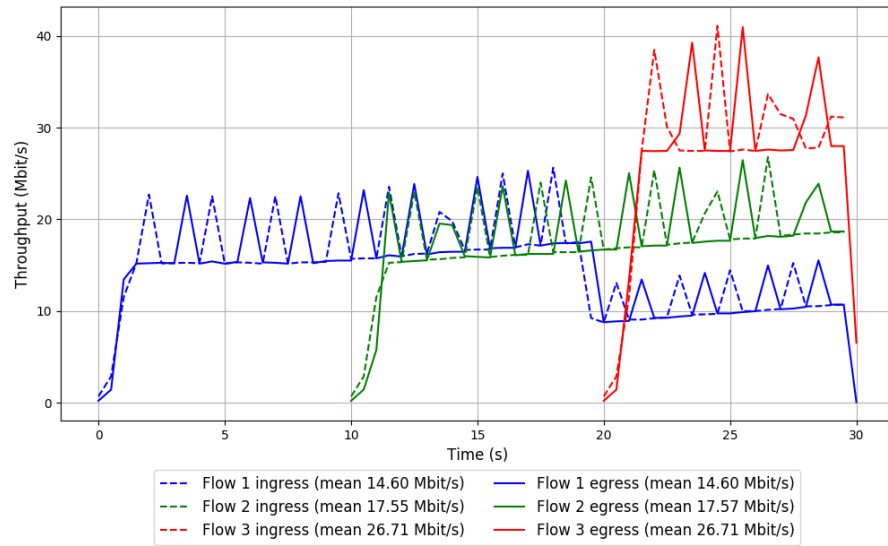
-- Flow 3:

Average throughput: 26.71 Mbit/s

95th percentile per-packet one-way delay: 113.998 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-09 17:13:25

End at: 2018-01-09 17:13:55

Below is generated by plot.py at 2018-01-09 19:18:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.19 Mbit/s

95th percentile per-packet one-way delay: 113.963 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.10 Mbit/s

95th percentile per-packet one-way delay: 113.312 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 54.21 Mbit/s

95th percentile per-packet one-way delay: 114.222 ms

Loss rate: 0.00%

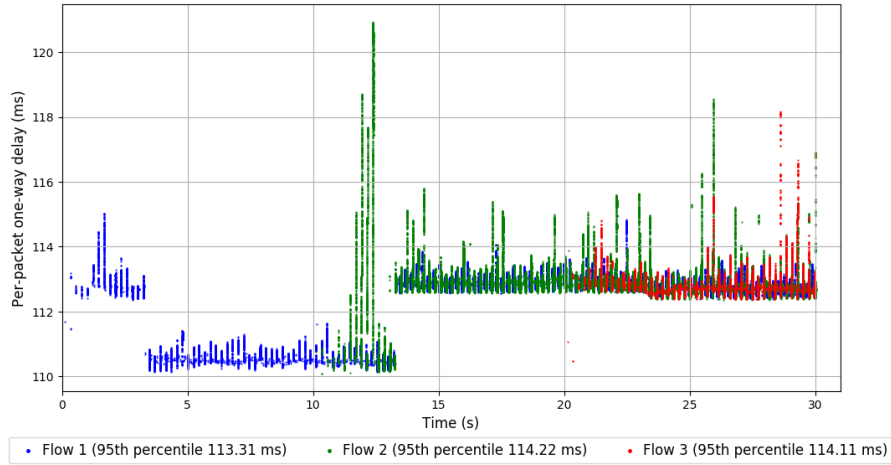
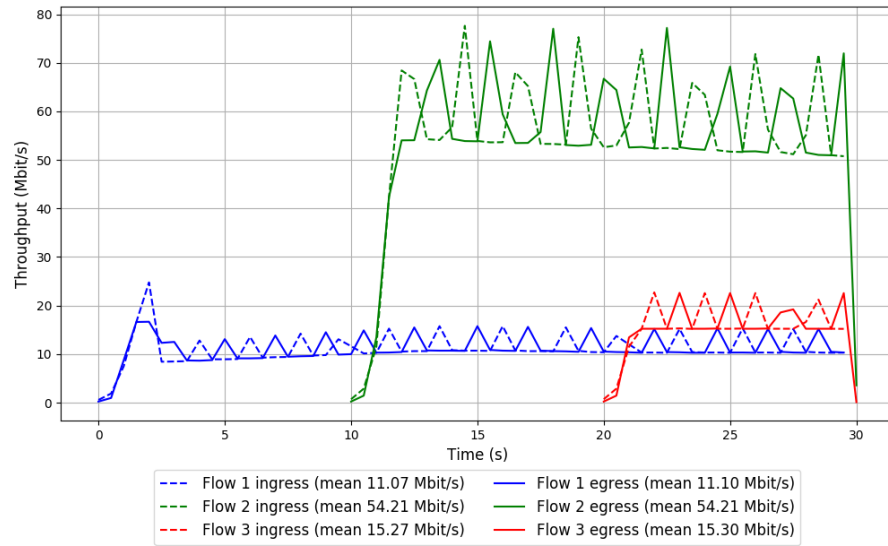
-- Flow 3:

Average throughput: 15.30 Mbit/s

95th percentile per-packet one-way delay: 114.113 ms

Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-09 15:07:54

End at: 2018-01-09 15:08:24

Below is generated by plot.py at 2018-01-09 19:20:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.05 Mbit/s

95th percentile per-packet one-way delay: 207.996 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 195.18 Mbit/s

95th percentile per-packet one-way delay: 214.115 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 120.24 Mbit/s

95th percentile per-packet one-way delay: 191.094 ms

Loss rate: 0.11%

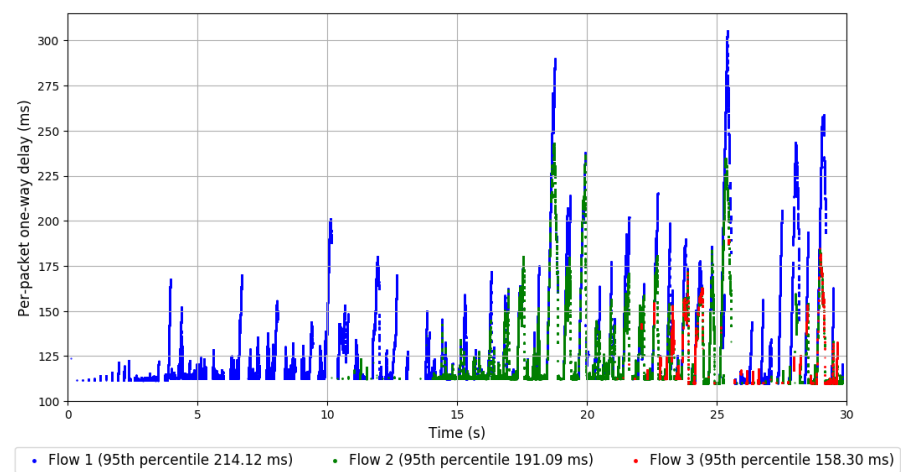
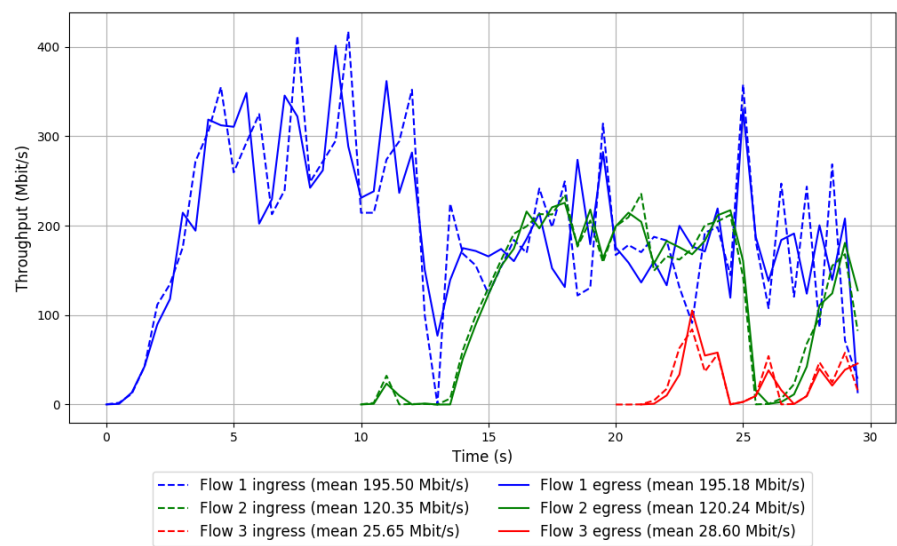
-- Flow 3:

Average throughput: 28.60 Mbit/s

95th percentile per-packet one-way delay: 158.300 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-09 15:23:30

End at: 2018-01-09 15:24:00

Below is generated by plot.py at 2018-01-09 19:20:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.99 Mbit/s

95th percentile per-packet one-way delay: 247.100 ms

Loss rate: 1.85%

-- Flow 1:

Average throughput: 190.89 Mbit/s

95th percentile per-packet one-way delay: 238.529 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 103.81 Mbit/s

95th percentile per-packet one-way delay: 289.470 ms

Loss rate: 4.67%

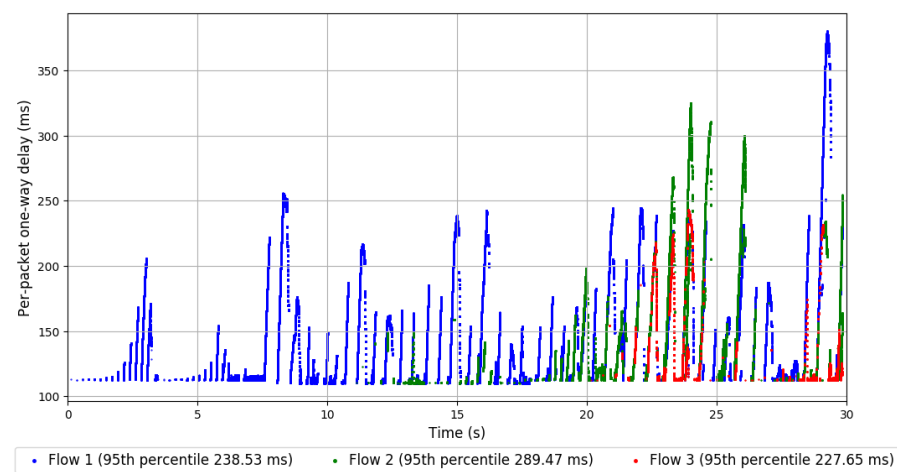
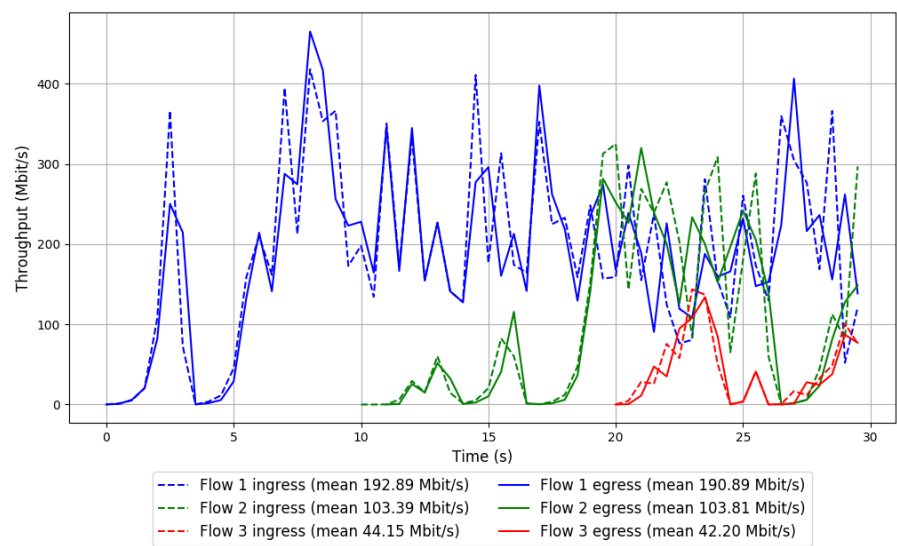
-- Flow 3:

Average throughput: 42.20 Mbit/s

95th percentile per-packet one-way delay: 227.651 ms

Loss rate: 4.60%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-09 15:38:58

End at: 2018-01-09 15:39:28

Below is generated by plot.py at 2018-01-09 19:20:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 203.91 Mbit/s

95th percentile per-packet one-way delay: 181.262 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 89.11 Mbit/s

95th percentile per-packet one-way delay: 147.807 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 147.26 Mbit/s

95th percentile per-packet one-way delay: 179.772 ms

Loss rate: 0.79%

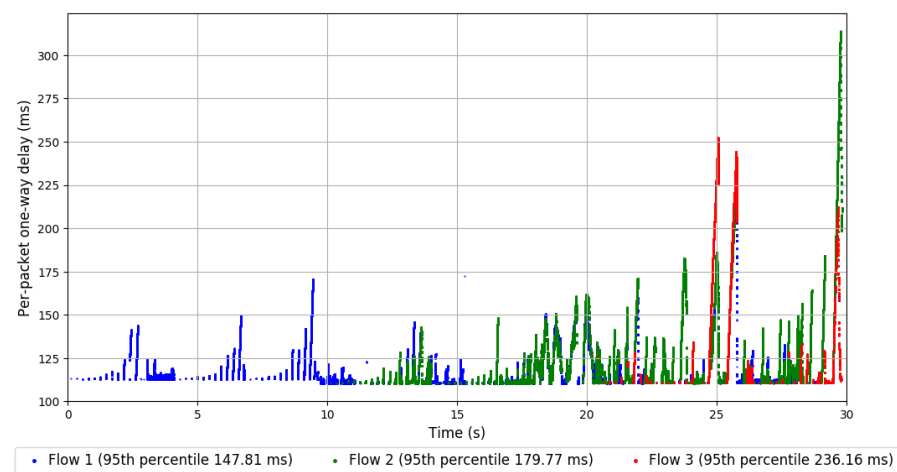
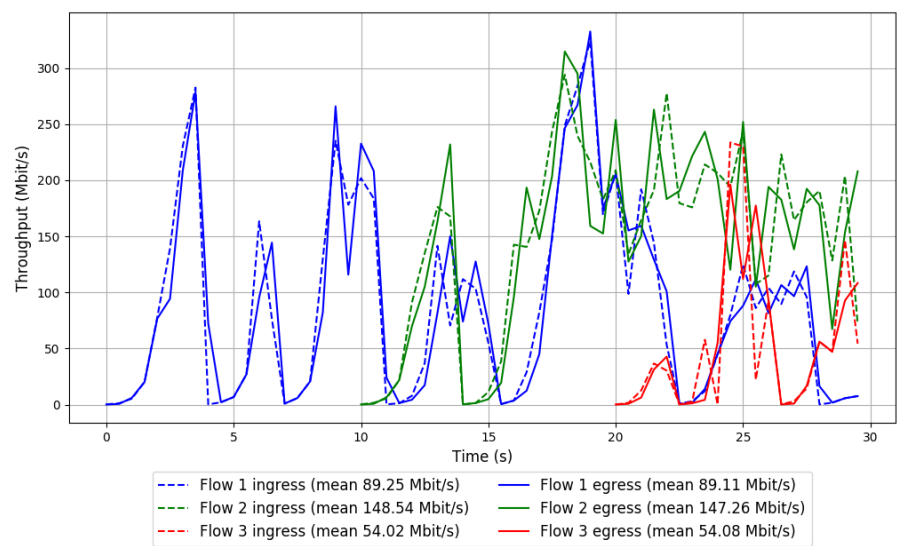
-- Flow 3:

Average throughput: 54.08 Mbit/s

95th percentile per-packet one-way delay: 236.160 ms

Loss rate: 0.03%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-09 15:54:22

End at: 2018-01-09 15:54:52

Below is generated by plot.py at 2018-01-09 19:20:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 240.16 Mbit/s

95th percentile per-packet one-way delay: 180.706 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 184.98 Mbit/s

95th percentile per-packet one-way delay: 192.021 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 62.29 Mbit/s

95th percentile per-packet one-way delay: 155.520 ms

Loss rate: 0.08%

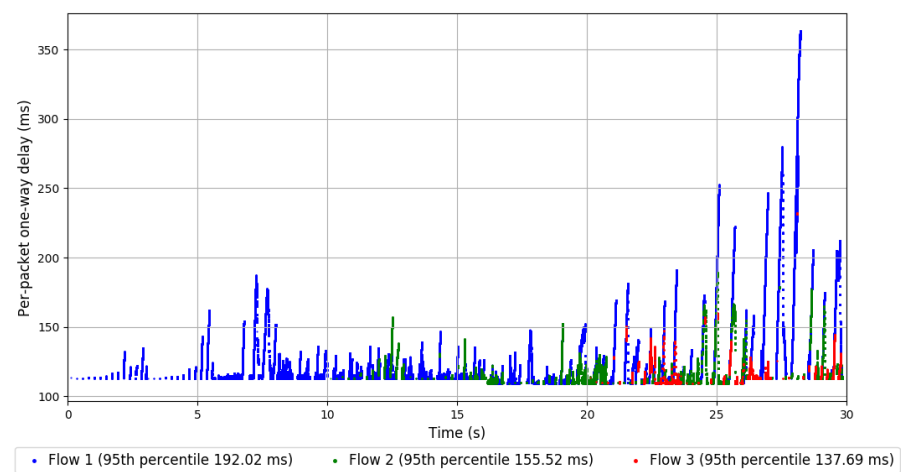
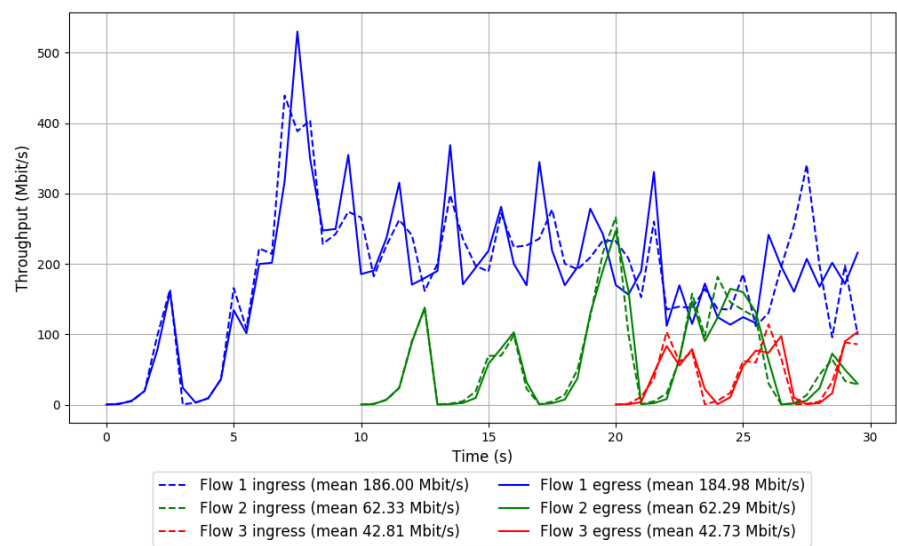
-- Flow 3:

Average throughput: 42.73 Mbit/s

95th percentile per-packet one-way delay: 137.695 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-09 16:09:22

End at: 2018-01-09 16:09:52

Below is generated by plot.py at 2018-01-09 19:20:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 157.15 Mbit/s

95th percentile per-packet one-way delay: 176.869 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 143.610 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 65.44 Mbit/s

95th percentile per-packet one-way delay: 139.385 ms

Loss rate: 0.16%

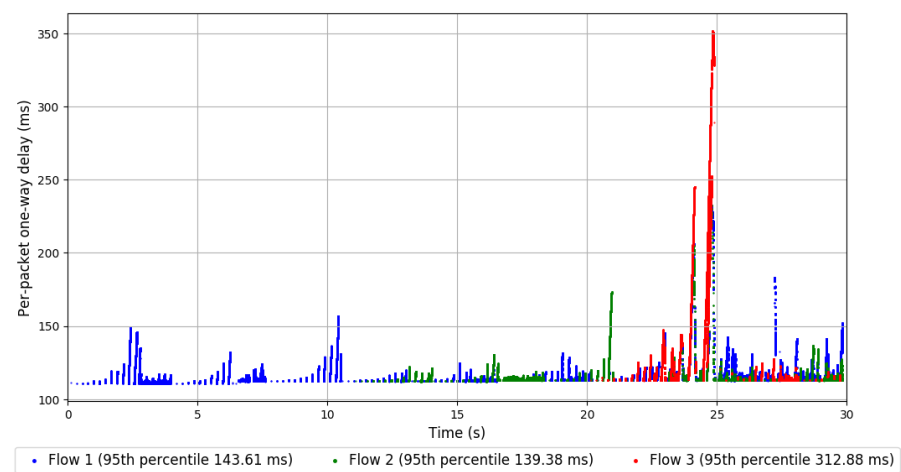
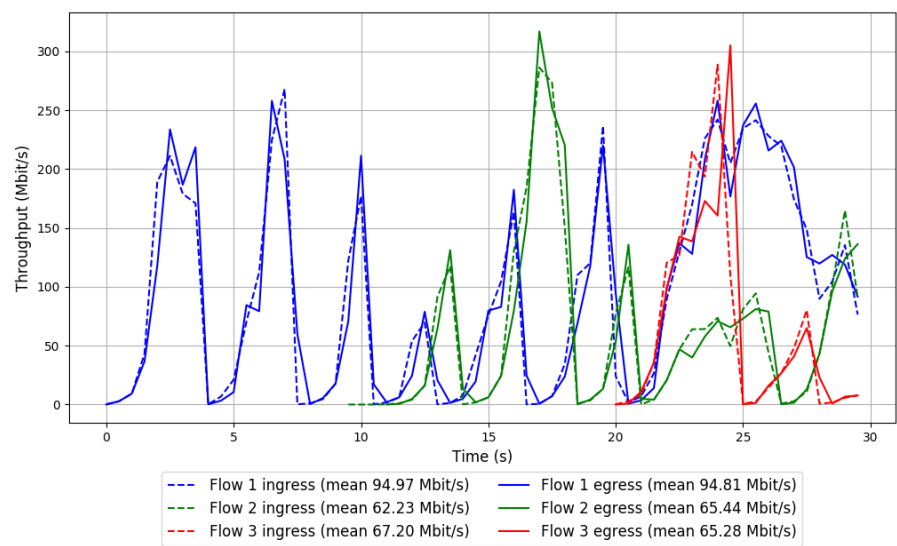
-- Flow 3:

Average throughput: 65.28 Mbit/s

95th percentile per-packet one-way delay: 312.879 ms

Loss rate: 2.83%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-09 16:24:29

End at: 2018-01-09 16:24:59

Below is generated by plot.py at 2018-01-09 19:20:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 174.56 Mbit/s

95th percentile per-packet one-way delay: 152.117 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 83.32 Mbit/s

95th percentile per-packet one-way delay: 237.515 ms

Loss rate: 2.01%

-- Flow 2:

Average throughput: 63.84 Mbit/s

95th percentile per-packet one-way delay: 131.075 ms

Loss rate: 0.03%

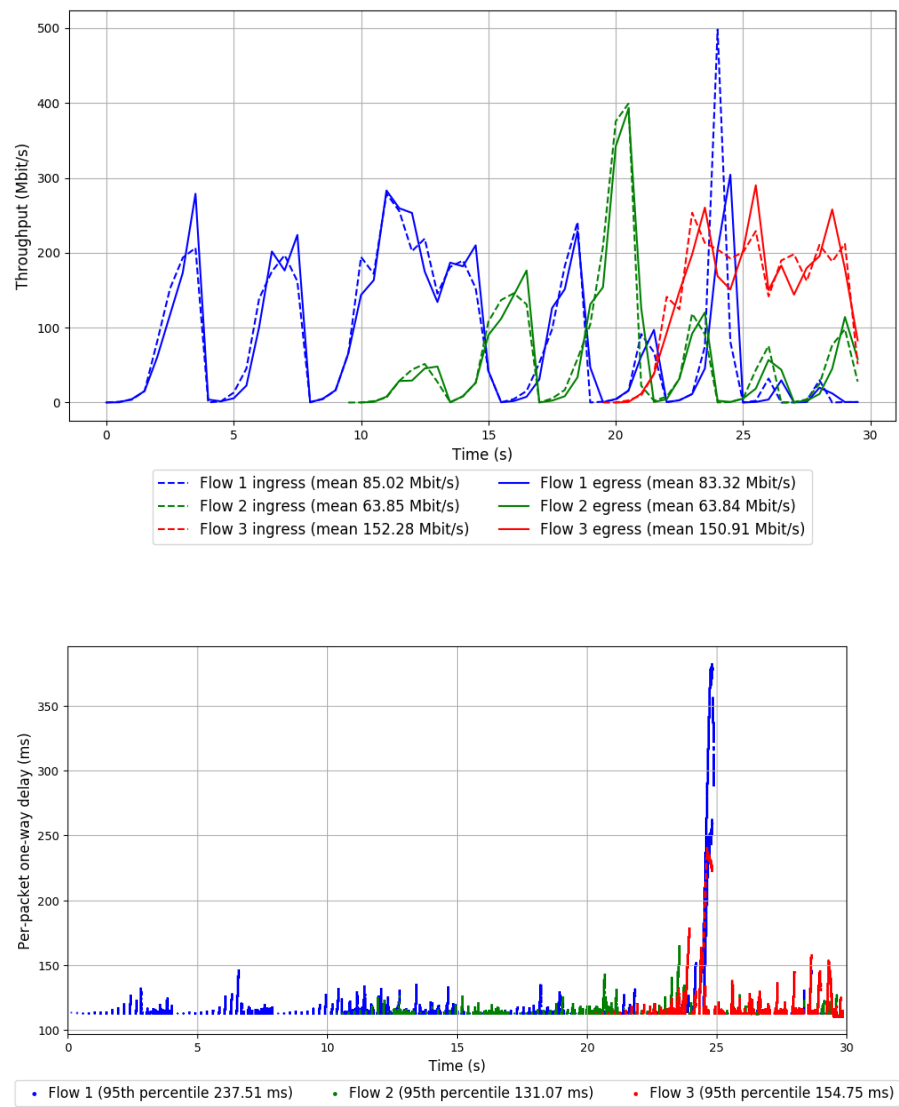
-- Flow 3:

Average throughput: 150.91 Mbit/s

95th percentile per-packet one-way delay: 154.745 ms

Loss rate: 0.96%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-09 16:39:41

End at: 2018-01-09 16:40:11

Below is generated by plot.py at 2018-01-09 19:20:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 199.37 Mbit/s

95th percentile per-packet one-way delay: 264.088 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 112.39 Mbit/s

95th percentile per-packet one-way delay: 191.587 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 60.36 Mbit/s

95th percentile per-packet one-way delay: 169.477 ms

Loss rate: 0.00%

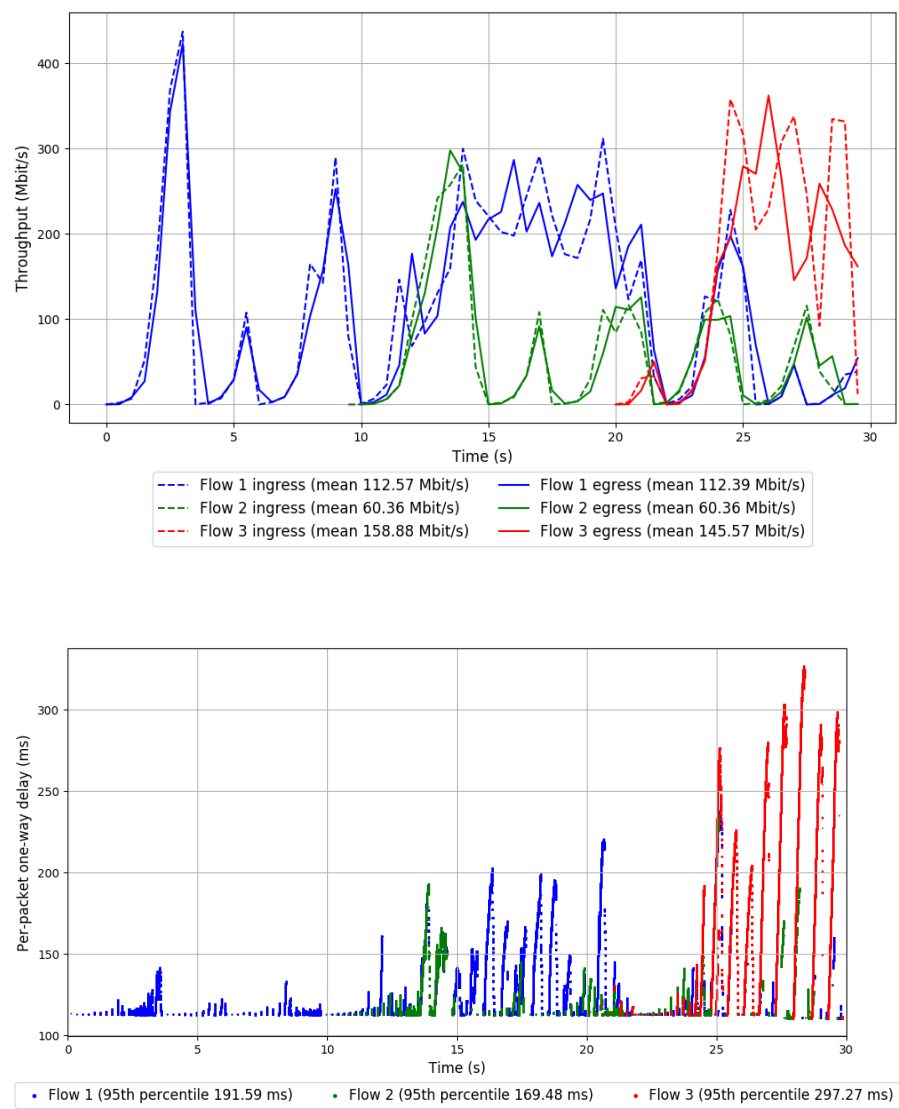
-- Flow 3:

Average throughput: 145.57 Mbit/s

95th percentile per-packet one-way delay: 297.275 ms

Loss rate: 8.42%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-09 16:54:59

End at: 2018-01-09 16:55:29

Below is generated by plot.py at 2018-01-09 19:22:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.53 Mbit/s

95th percentile per-packet one-way delay: 193.328 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 156.95 Mbit/s

95th percentile per-packet one-way delay: 190.387 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 92.15 Mbit/s

95th percentile per-packet one-way delay: 165.022 ms

Loss rate: 0.35%

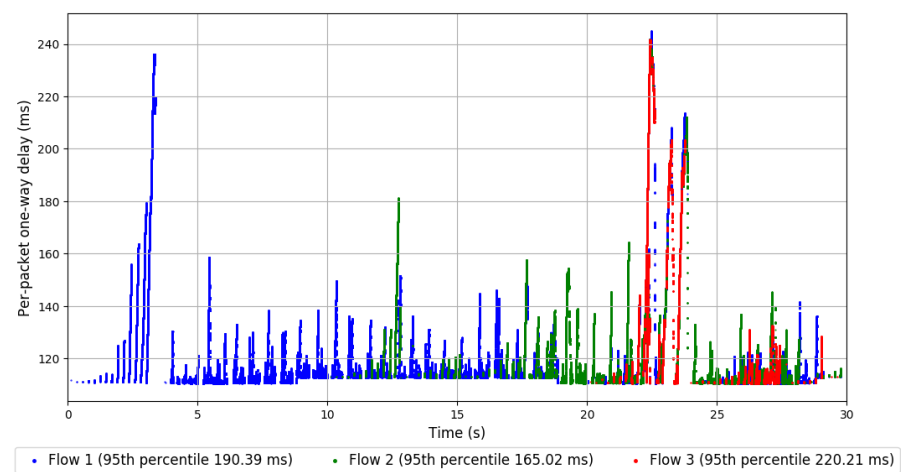
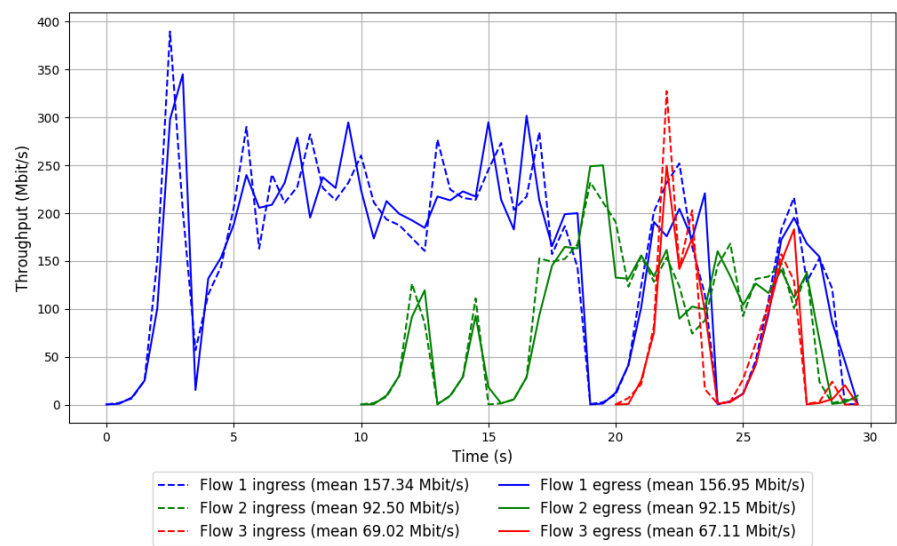
-- Flow 3:

Average throughput: 67.11 Mbit/s

95th percentile per-packet one-way delay: 220.210 ms

Loss rate: 2.74%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-09 17:09:55

End at: 2018-01-09 17:10:25

Below is generated by plot.py at 2018-01-09 19:22:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.36 Mbit/s

95th percentile per-packet one-way delay: 309.652 ms

Loss rate: 4.52%

-- Flow 1:

Average throughput: 98.81 Mbit/s

95th percentile per-packet one-way delay: 325.238 ms

Loss rate: 6.11%

-- Flow 2:

Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 124.789 ms

Loss rate: 0.45%

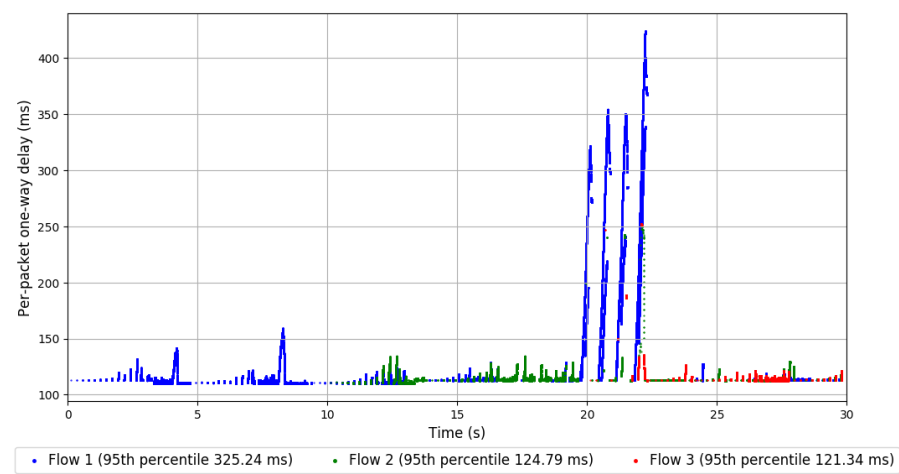
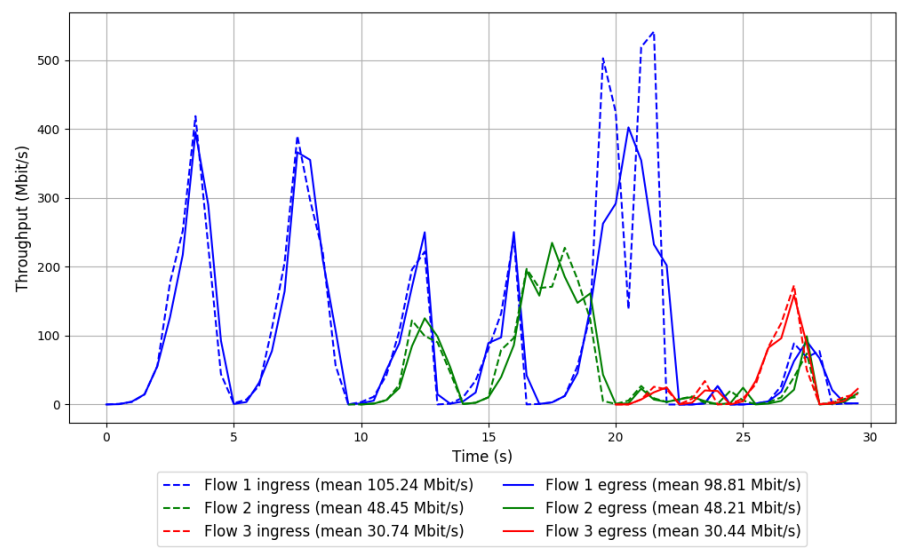
-- Flow 3:

Average throughput: 30.44 Mbit/s

95th percentile per-packet one-way delay: 121.341 ms

Loss rate: 0.90%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-09 17:24:22

End at: 2018-01-09 17:24:52

Below is generated by plot.py at 2018-01-09 19:24:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.12 Mbit/s

95th percentile per-packet one-way delay: 231.478 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 188.78 Mbit/s

95th percentile per-packet one-way delay: 206.923 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 165.42 Mbit/s

95th percentile per-packet one-way delay: 244.508 ms

Loss rate: 1.53%

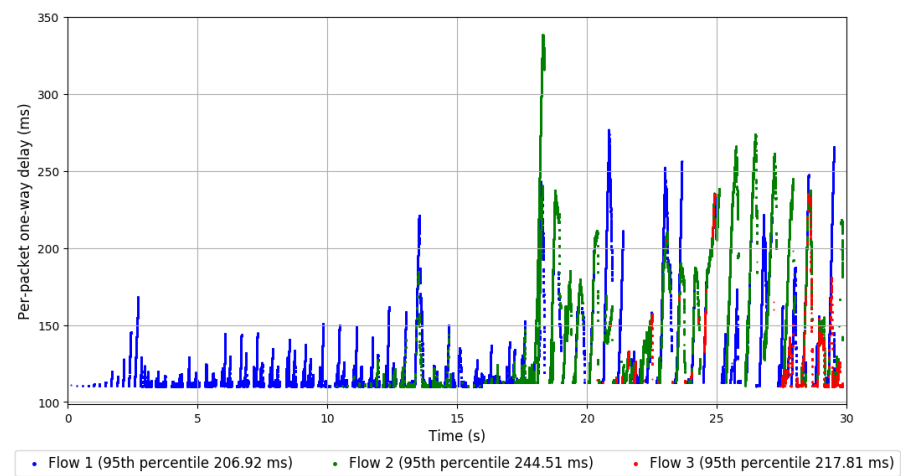
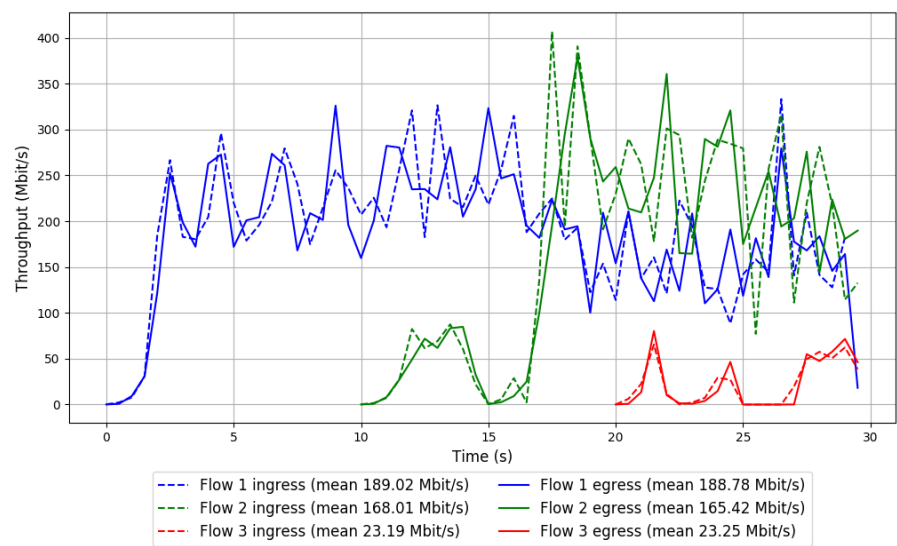
-- Flow 3:

Average throughput: 23.25 Mbit/s

95th percentile per-packet one-way delay: 217.805 ms

Loss rate: 0.03%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-09 15:09:51

End at: 2018-01-09 15:10:21

Below is generated by plot.py at 2018-01-09 19:24:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.47 Mbit/s

95th percentile per-packet one-way delay: 112.731 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.61 Mbit/s

95th percentile per-packet one-way delay: 112.833 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.28 Mbit/s

95th percentile per-packet one-way delay: 112.525 ms

Loss rate: 0.00%

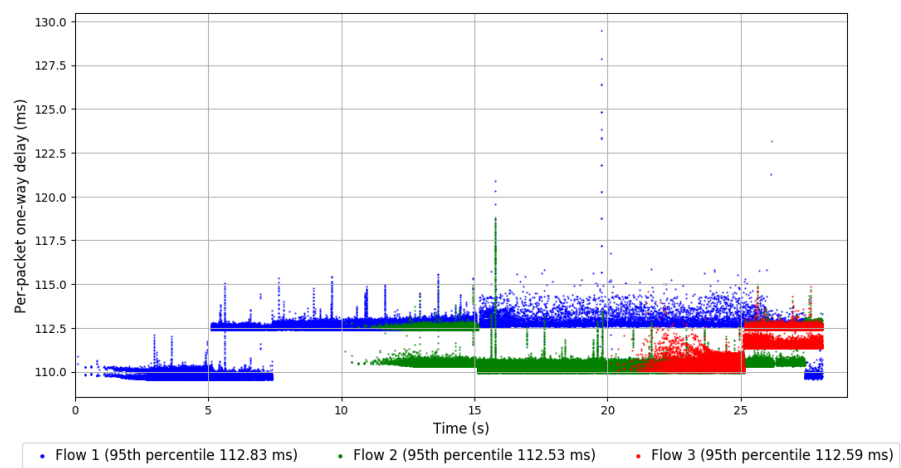
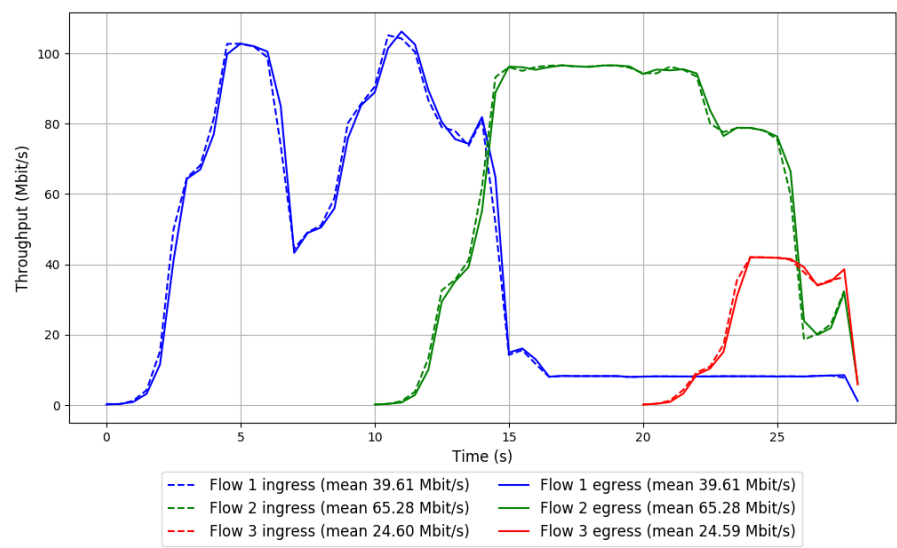
-- Flow 3:

Average throughput: 24.59 Mbit/s

95th percentile per-packet one-way delay: 112.590 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-09 15:25:27

End at: 2018-01-09 15:25:57

Below is generated by plot.py at 2018-01-09 19:24:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.43 Mbit/s

95th percentile per-packet one-way delay: 112.865 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.16 Mbit/s

95th percentile per-packet one-way delay: 112.823 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.01 Mbit/s

95th percentile per-packet one-way delay: 112.881 ms

Loss rate: 0.00%

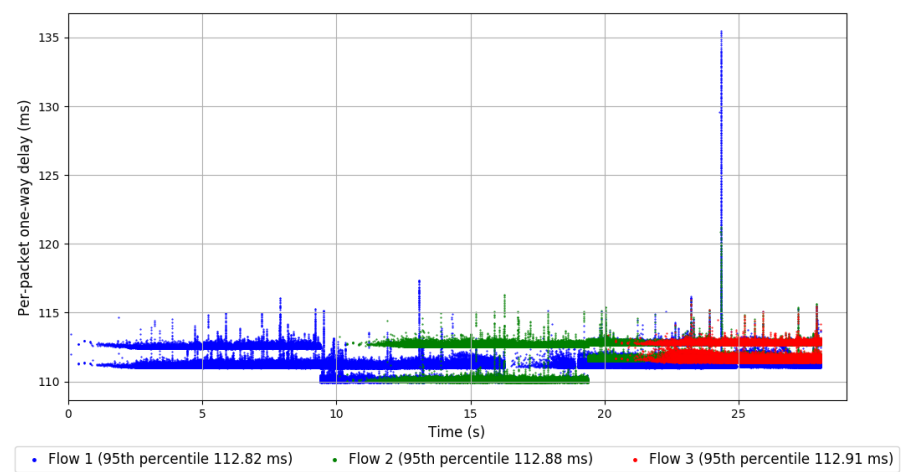
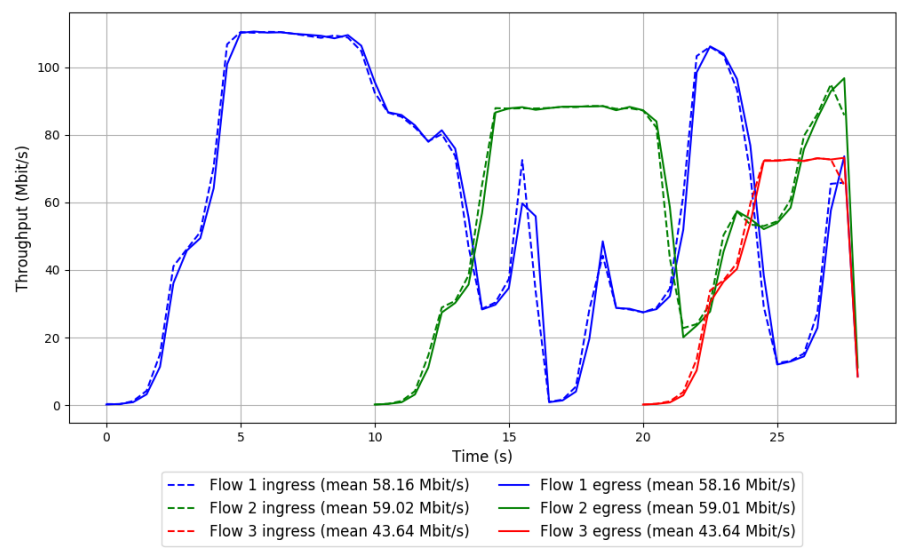
-- Flow 3:

Average throughput: 43.64 Mbit/s

95th percentile per-packet one-way delay: 112.914 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-09 15:40:50

End at: 2018-01-09 15:41:20

Below is generated by plot.py at 2018-01-09 19:24:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.12 Mbit/s

95th percentile per-packet one-way delay: 114.584 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.95 Mbit/s

95th percentile per-packet one-way delay: 112.796 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.40 Mbit/s

95th percentile per-packet one-way delay: 112.872 ms

Loss rate: 0.00%

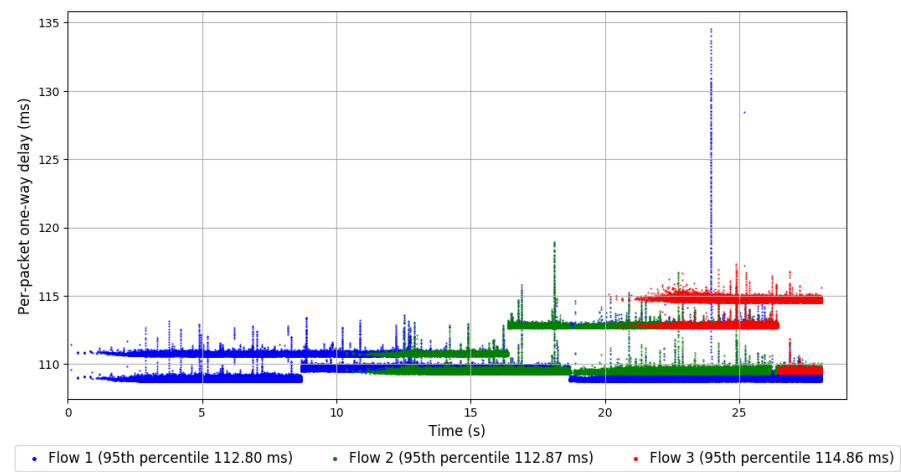
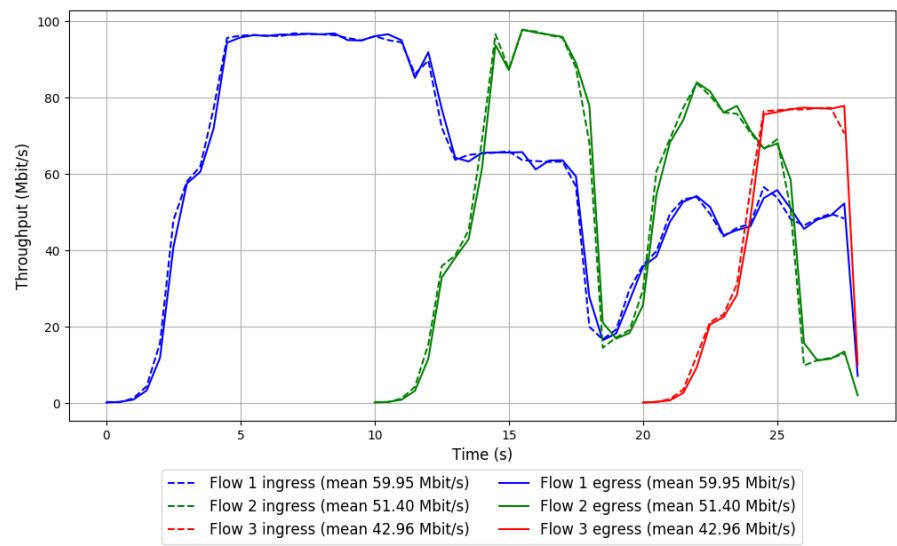
-- Flow 3:

Average throughput: 42.96 Mbit/s

95th percentile per-packet one-way delay: 114.856 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-09 15:56:16

End at: 2018-01-09 15:56:46

Below is generated by plot.py at 2018-01-09 19:24:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.97 Mbit/s

95th percentile per-packet one-way delay: 110.842 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.42 Mbit/s

95th percentile per-packet one-way delay: 110.854 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.23 Mbit/s

95th percentile per-packet one-way delay: 110.836 ms

Loss rate: 0.00%

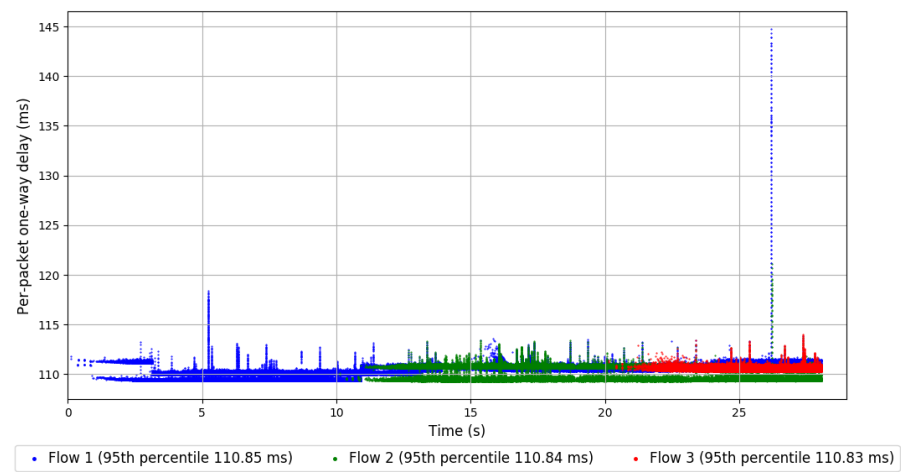
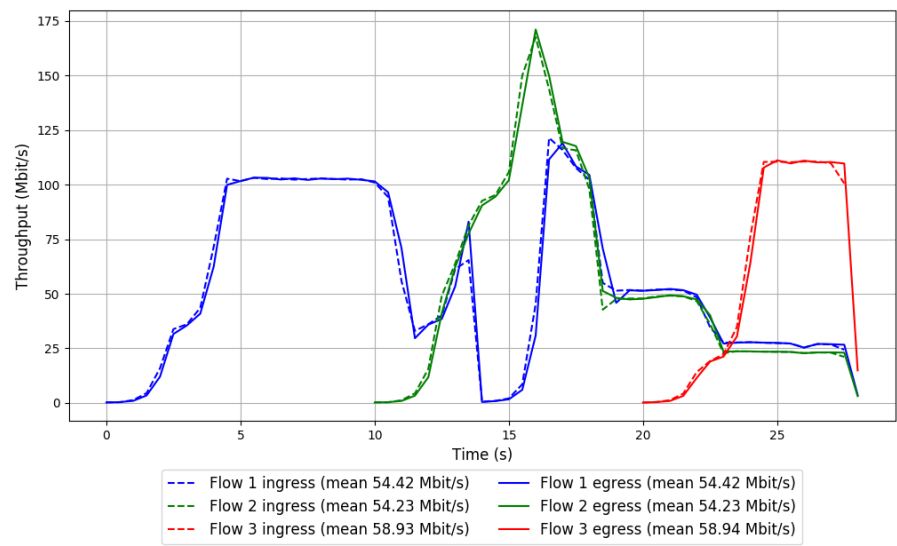
-- Flow 3:

Average throughput: 58.94 Mbit/s

95th percentile per-packet one-way delay: 110.830 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-09 16:11:09

End at: 2018-01-09 16:11:39

Below is generated by plot.py at 2018-01-09 19:24:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.66 Mbit/s

95th percentile per-packet one-way delay: 114.280 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 64.29 Mbit/s

95th percentile per-packet one-way delay: 112.875 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.50 Mbit/s

95th percentile per-packet one-way delay: 114.370 ms

Loss rate: 0.03%

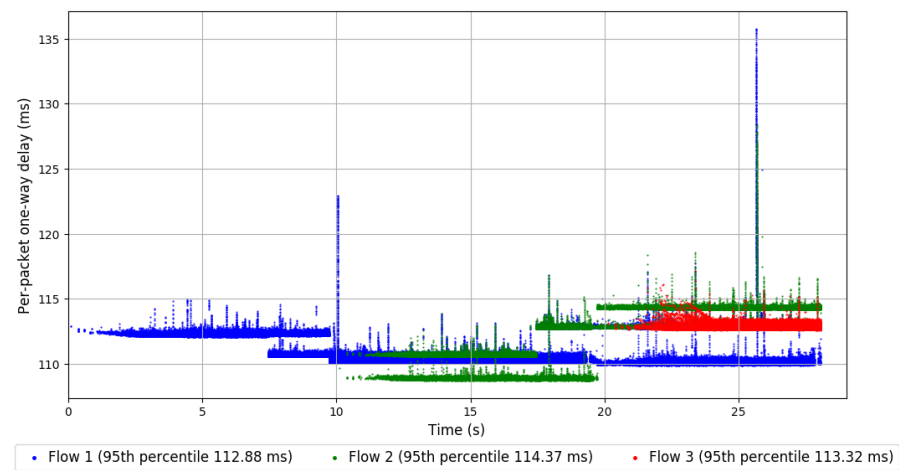
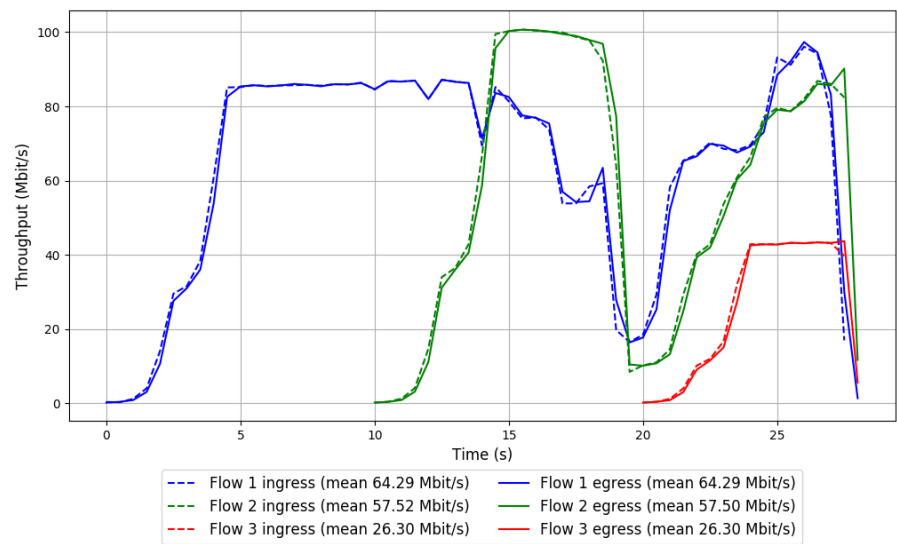
-- Flow 3:

Average throughput: 26.30 Mbit/s

95th percentile per-packet one-way delay: 113.318 ms

Loss rate: 0.07%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-09 16:26:17

End at: 2018-01-09 16:26:47

Below is generated by plot.py at 2018-01-09 19:24:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.17 Mbit/s

95th percentile per-packet one-way delay: 112.922 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.33 Mbit/s

95th percentile per-packet one-way delay: 112.918 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 112.914 ms

Loss rate: 0.00%

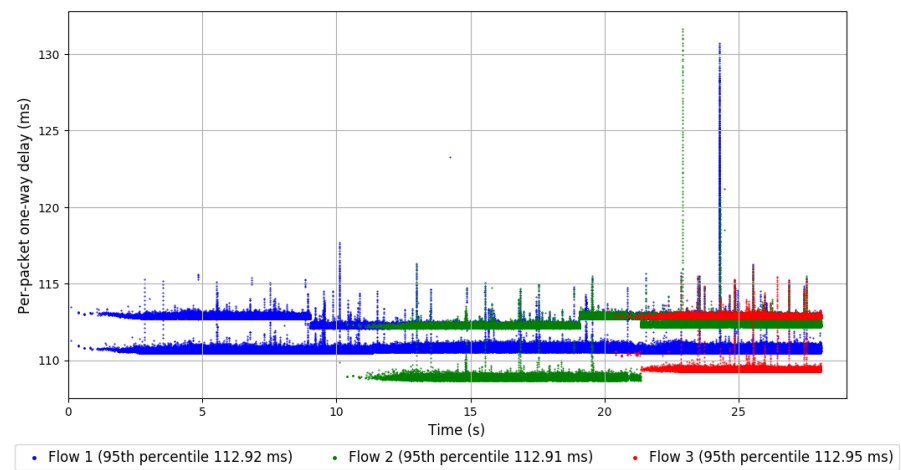
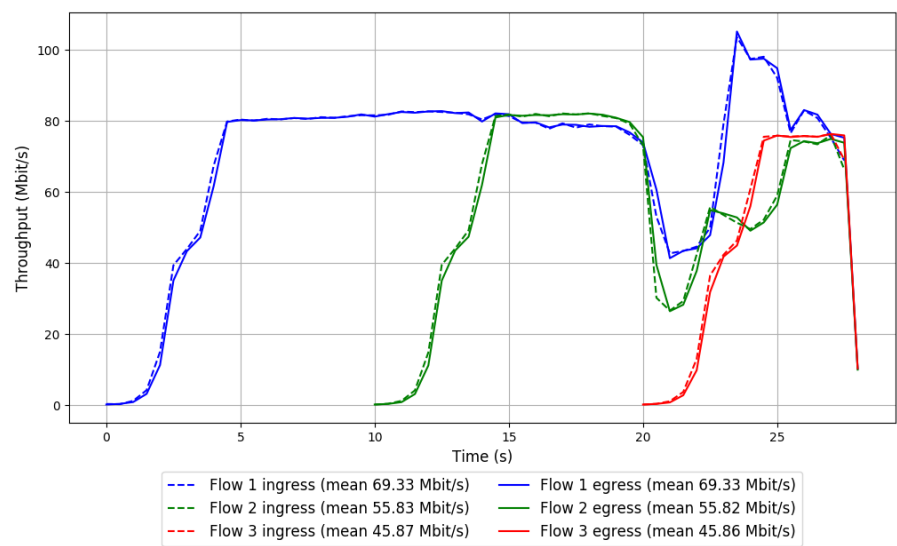
-- Flow 3:

Average throughput: 45.86 Mbit/s

95th percentile per-packet one-way delay: 112.950 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-09 16:41:32

End at: 2018-01-09 16:42:02

Below is generated by plot.py at 2018-01-09 19:25:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.62 Mbit/s

95th percentile per-packet one-way delay: 112.924 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.79 Mbit/s

95th percentile per-packet one-way delay: 112.889 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.90 Mbit/s

95th percentile per-packet one-way delay: 112.938 ms

Loss rate: 0.01%

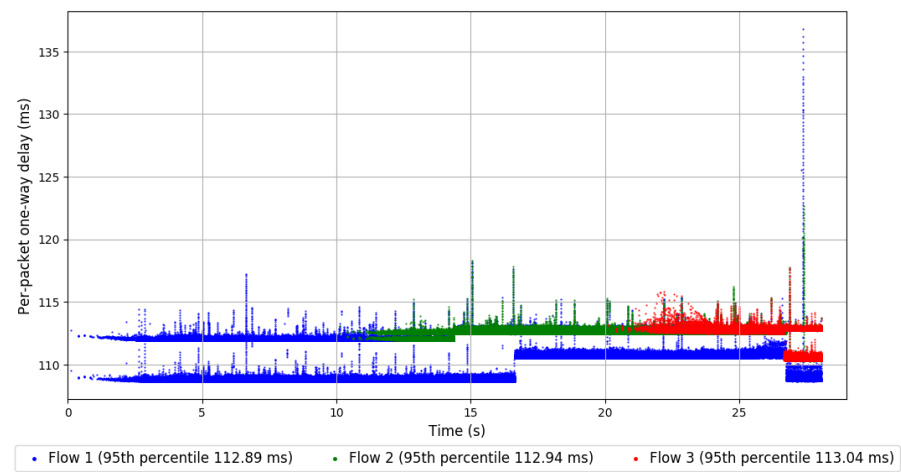
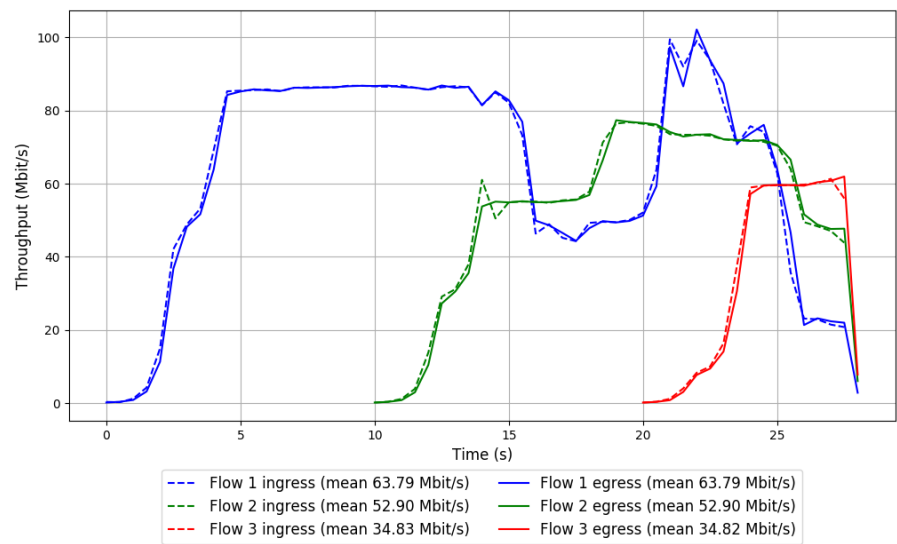
-- Flow 3:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 113.038 ms

Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-09 16:56:54

End at: 2018-01-09 16:57:24

Below is generated by plot.py at 2018-01-09 19:26:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 112.52 Mbit/s

95th percentile per-packet one-way delay: 112.872 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.45 Mbit/s

95th percentile per-packet one-way delay: 112.657 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.75 Mbit/s

95th percentile per-packet one-way delay: 112.881 ms

Loss rate: 0.00%

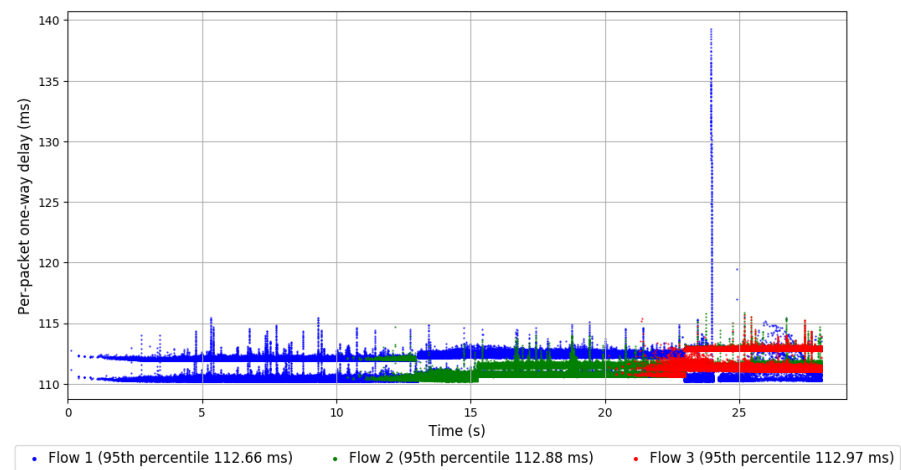
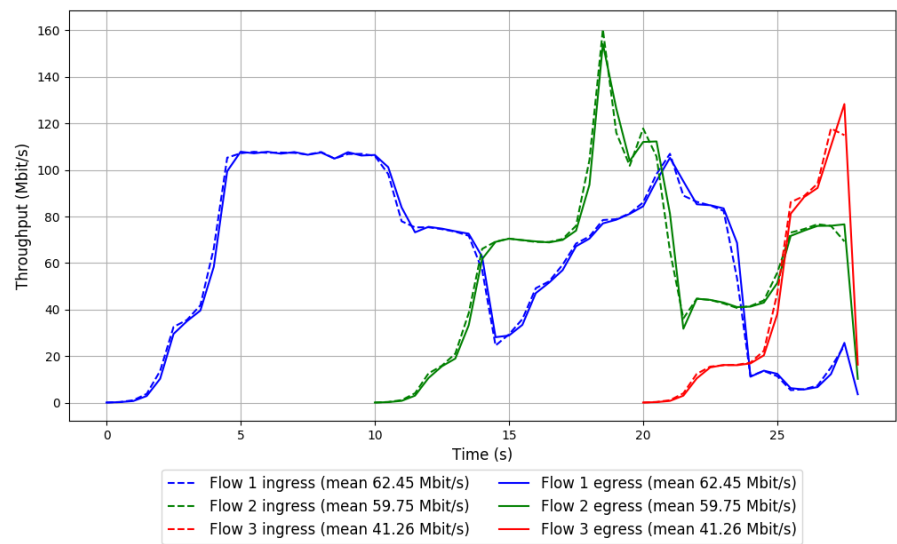
-- Flow 3:

Average throughput: 41.26 Mbit/s

95th percentile per-packet one-way delay: 112.973 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-09 17:11:40

End at: 2018-01-09 17:12:11

Below is generated by plot.py at 2018-01-09 19:26:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.92 Mbit/s

95th percentile per-packet one-way delay: 112.785 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 112.743 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.79 Mbit/s

95th percentile per-packet one-way delay: 112.637 ms

Loss rate: 0.00%

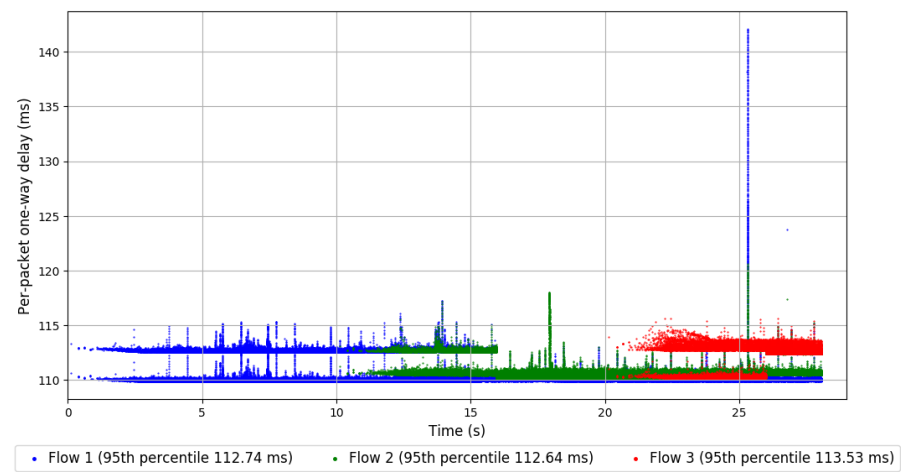
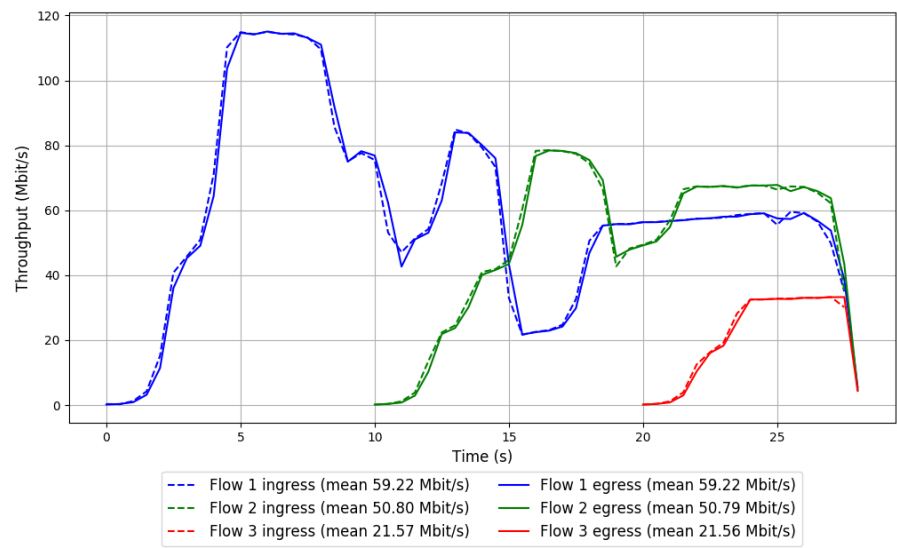
-- Flow 3:

Average throughput: 21.56 Mbit/s

95th percentile per-packet one-way delay: 113.534 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-09 17:26:22

End at: 2018-01-09 17:26:52

Below is generated by plot.py at 2018-01-09 19:26:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.79 Mbit/s

95th percentile per-packet one-way delay: 112.964 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 62.93 Mbit/s

95th percentile per-packet one-way delay: 112.804 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.38 Mbit/s

95th percentile per-packet one-way delay: 113.119 ms

Loss rate: 0.01%

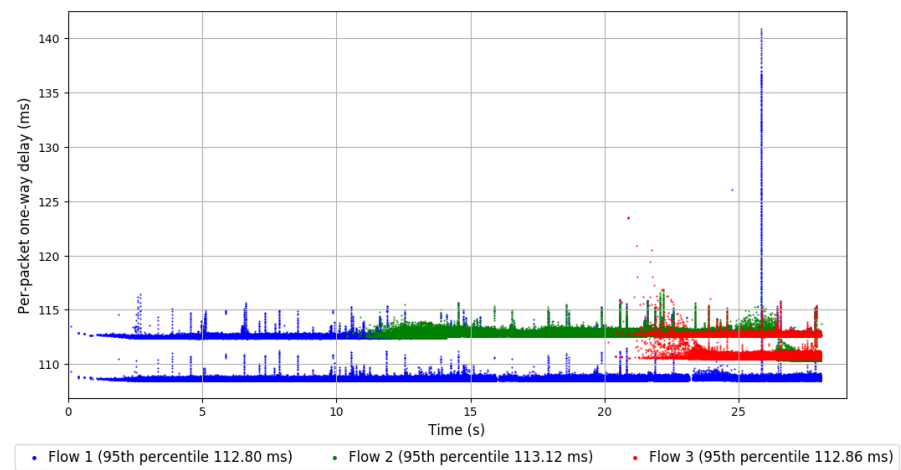
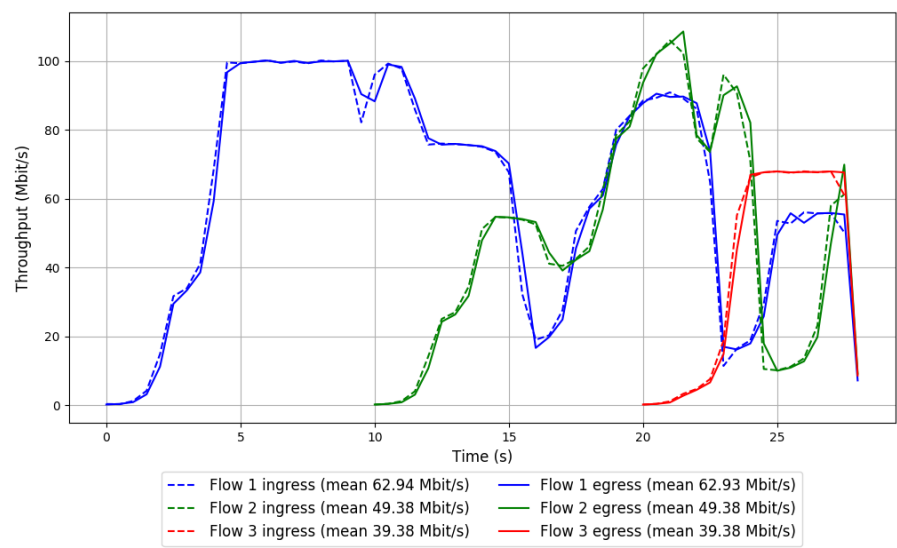
-- Flow 3:

Average throughput: 39.38 Mbit/s

95th percentile per-packet one-way delay: 112.863 ms

Loss rate: 0.03%

Run 10: Report of Copa — Data Link

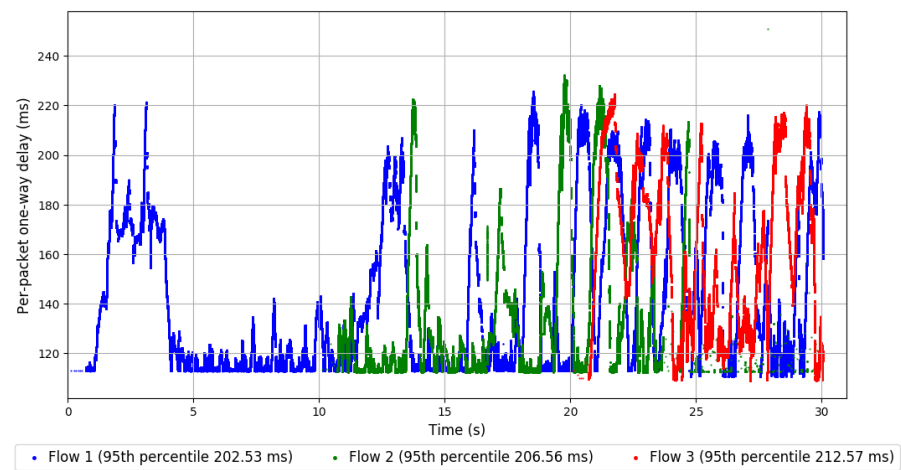
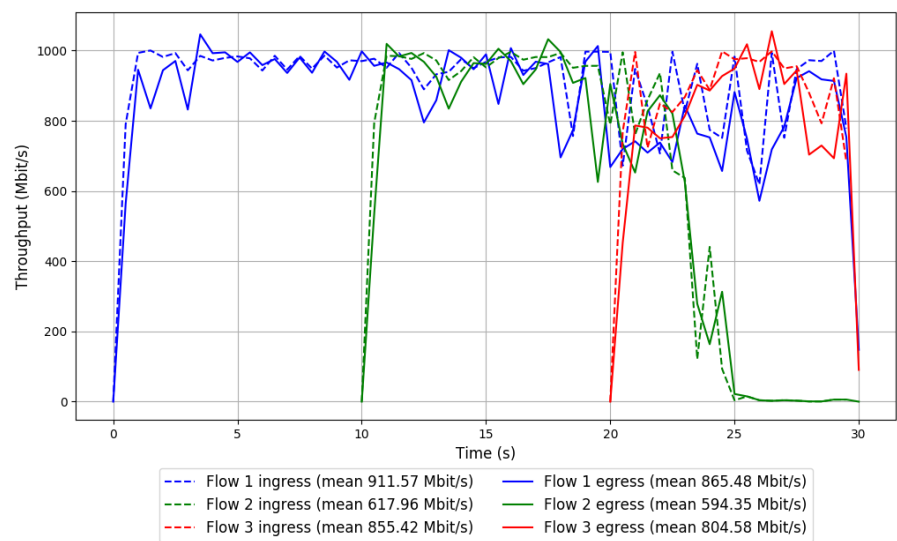


```
Run 1: Statistics of FillP

Start at: 2018-01-09 14:58:04
End at: 2018-01-09 14:58:34

# Below is generated by plot.py at 2018-01-09 19:51:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1526.87 Mbit/s
95th percentile per-packet one-way delay: 206.159 ms
Loss rate: 4.84%
-- Flow 1:
Average throughput: 865.48 Mbit/s
95th percentile per-packet one-way delay: 202.527 ms
Loss rate: 4.98%
-- Flow 2:
Average throughput: 594.35 Mbit/s
95th percentile per-packet one-way delay: 206.563 ms
Loss rate: 3.82%
-- Flow 3:
Average throughput: 804.58 Mbit/s
95th percentile per-packet one-way delay: 212.574 ms
Loss rate: 5.87%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-09 15:13:11

End at: 2018-01-09 15:13:42

Below is generated by plot.py at 2018-01-09 19:53:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 1591.73 Mbit/s

95th percentile per-packet one-way delay: 330.251 ms

Loss rate: 8.44%

-- Flow 1:

Average throughput: 840.06 Mbit/s

95th percentile per-packet one-way delay: 323.585 ms

Loss rate: 5.82%

-- Flow 2:

Average throughput: 823.88 Mbit/s

95th percentile per-packet one-way delay: 208.484 ms

Loss rate: 7.63%

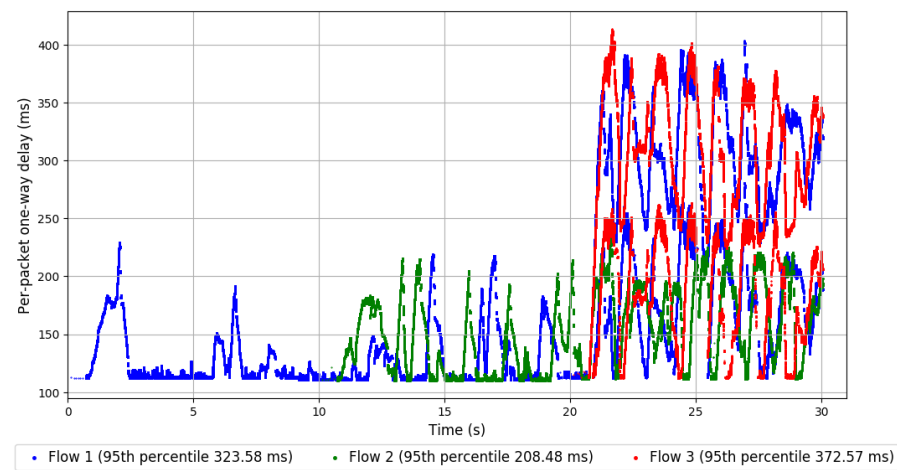
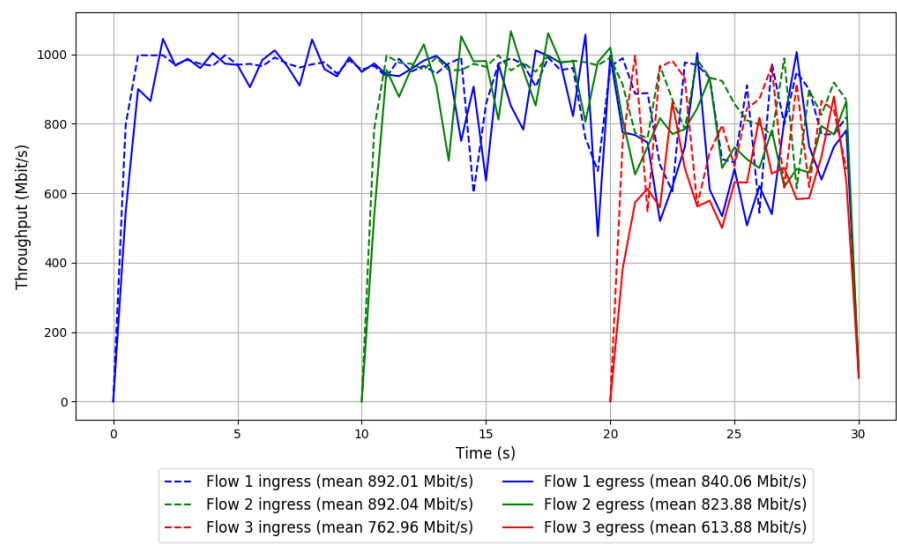
-- Flow 3:

Average throughput: 613.88 Mbit/s

95th percentile per-packet one-way delay: 372.573 ms

Loss rate: 19.55%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-09 15:28:51

End at: 2018-01-09 15:29:21

Below is generated by plot.py at 2018-01-09 19:54:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1605.67 Mbit/s

95th percentile per-packet one-way delay: 274.166 ms

Loss rate: 7.65%

-- Flow 1:

Average throughput: 835.10 Mbit/s

95th percentile per-packet one-way delay: 218.234 ms

Loss rate: 6.79%

-- Flow 2:

Average throughput: 834.68 Mbit/s

95th percentile per-packet one-way delay: 295.571 ms

Loss rate: 6.19%

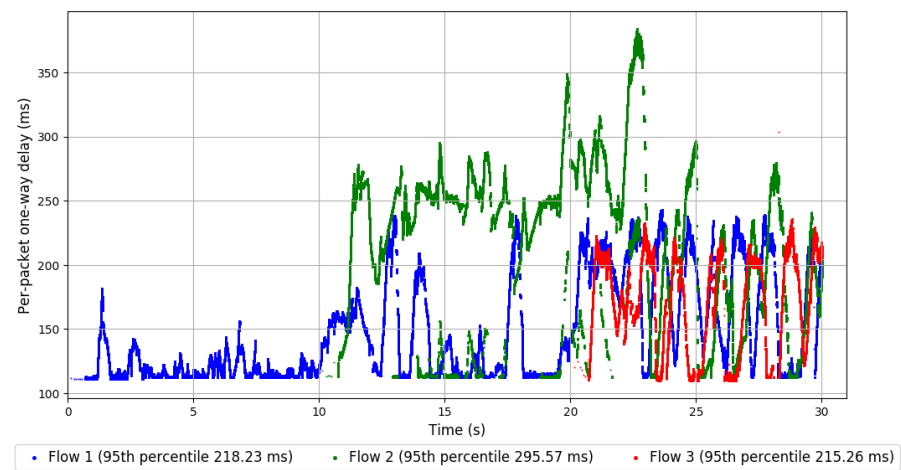
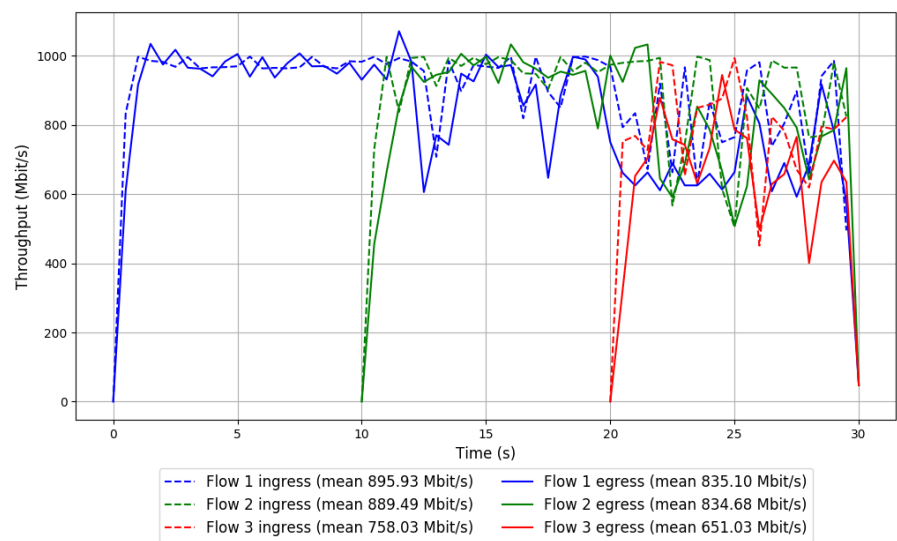
-- Flow 3:

Average throughput: 651.03 Mbit/s

95th percentile per-packet one-way delay: 215.256 ms

Loss rate: 14.18%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-09 15:44:15

End at: 2018-01-09 15:44:45

Below is generated by plot.py at 2018-01-09 19:54:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1533.90 Mbit/s

95th percentile per-packet one-way delay: 332.108 ms

Loss rate: 8.13%

-- Flow 1:

Average throughput: 824.71 Mbit/s

95th percentile per-packet one-way delay: 214.971 ms

Loss rate: 6.42%

-- Flow 2:

Average throughput: 766.16 Mbit/s

95th percentile per-packet one-way delay: 337.369 ms

Loss rate: 7.45%

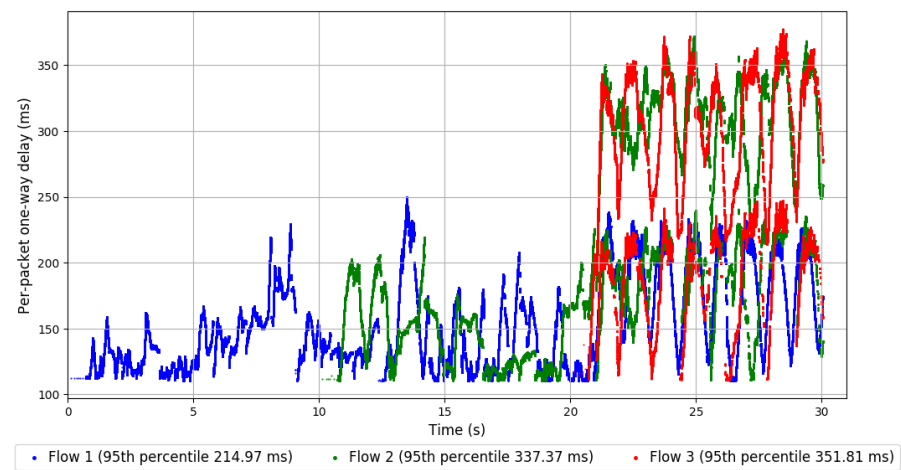
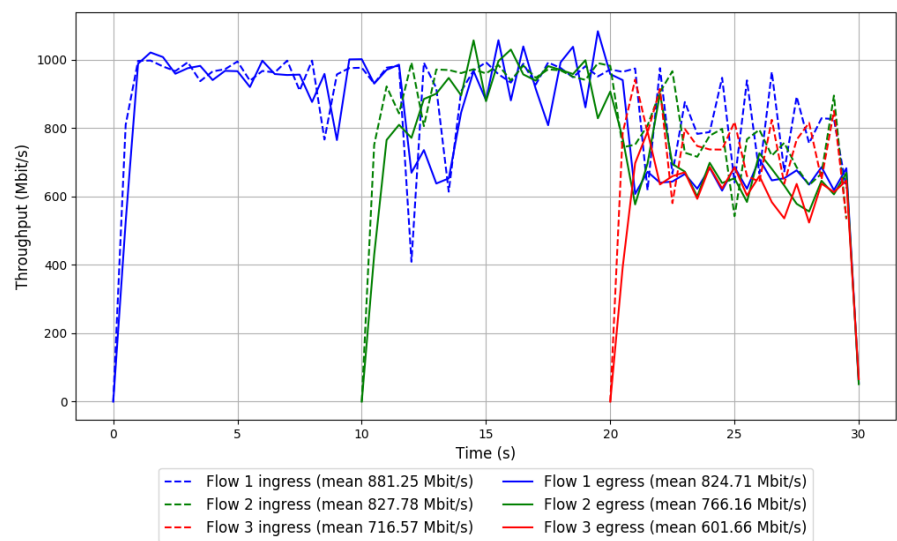
-- Flow 3:

Average throughput: 601.66 Mbit/s

95th percentile per-packet one-way delay: 351.815 ms

Loss rate: 16.09%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-09 15:59:40

End at: 2018-01-09 16:00:10

Below is generated by plot.py at 2018-01-09 19:54:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1430.31 Mbit/s

95th percentile per-packet one-way delay: 204.542 ms

Loss rate: 6.34%

-- Flow 1:

Average throughput: 858.62 Mbit/s

95th percentile per-packet one-way delay: 204.871 ms

Loss rate: 5.63%

-- Flow 2:

Average throughput: 451.51 Mbit/s

95th percentile per-packet one-way delay: 213.959 ms

Loss rate: 7.17%

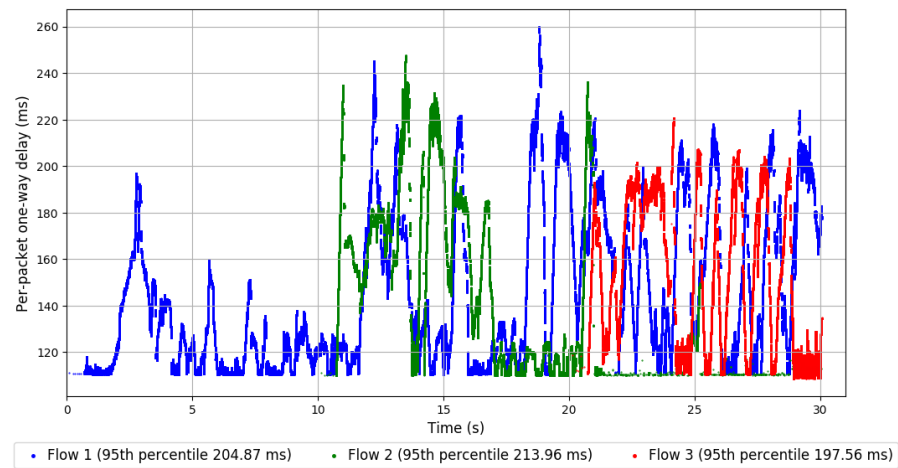
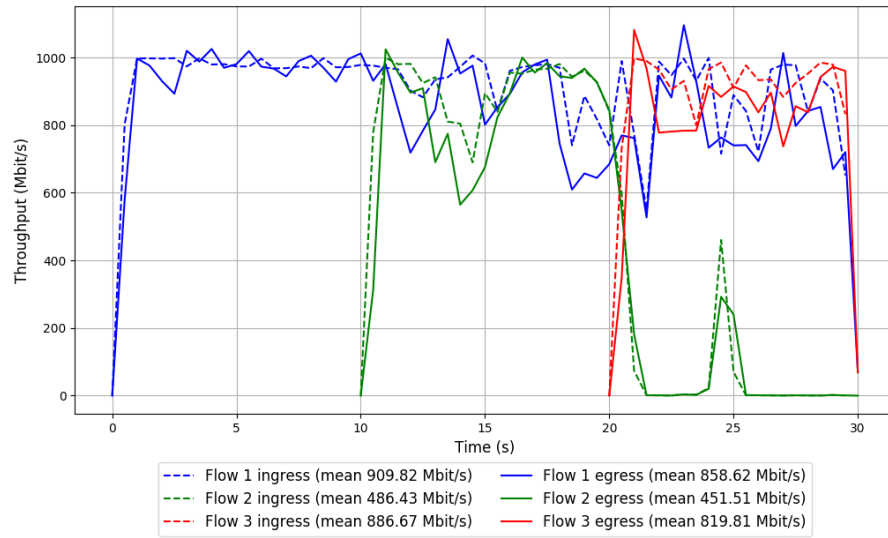
-- Flow 3:

Average throughput: 819.81 Mbit/s

95th percentile per-packet one-way delay: 197.557 ms

Loss rate: 7.61%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-09 16:14:32

End at: 2018-01-09 16:15:02

Below is generated by plot.py at 2018-01-09 19:54:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 1376.42 Mbit/s

95th percentile per-packet one-way delay: 197.315 ms

Loss rate: 4.99%

-- Flow 1:

Average throughput: 521.18 Mbit/s

95th percentile per-packet one-way delay: 199.531 ms

Loss rate: 4.69%

-- Flow 2:

Average throughput: 877.70 Mbit/s

95th percentile per-packet one-way delay: 193.782 ms

Loss rate: 4.41%

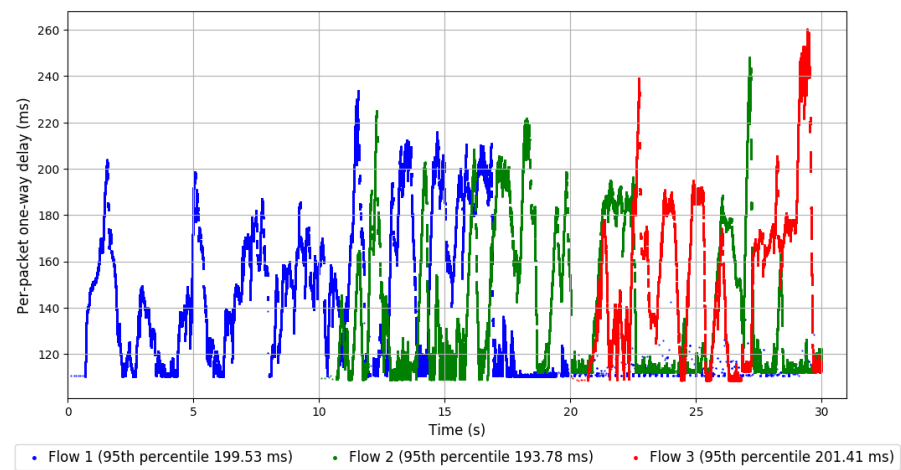
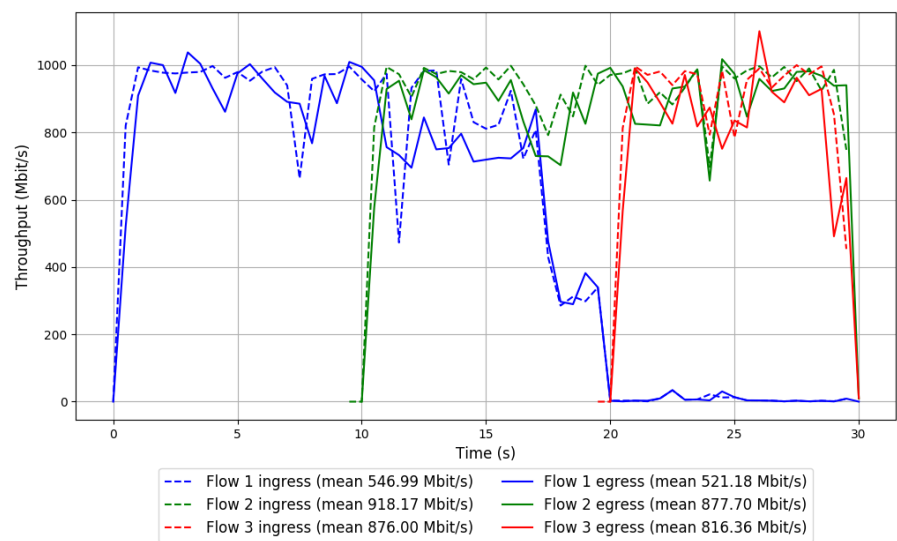
-- Flow 3:

Average throughput: 816.36 Mbit/s

95th percentile per-packet one-way delay: 201.406 ms

Loss rate: 6.80%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-09 16:29:48

End at: 2018-01-09 16:30:18

Below is generated by plot.py at 2018-01-09 19:56:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 1589.08 Mbit/s

95th percentile per-packet one-way delay: 213.144 ms

Loss rate: 7.65%

-- Flow 1:

Average throughput: 818.73 Mbit/s

95th percentile per-packet one-way delay: 210.813 ms

Loss rate: 7.42%

-- Flow 2:

Average throughput: 770.94 Mbit/s

95th percentile per-packet one-way delay: 228.047 ms

Loss rate: 8.38%

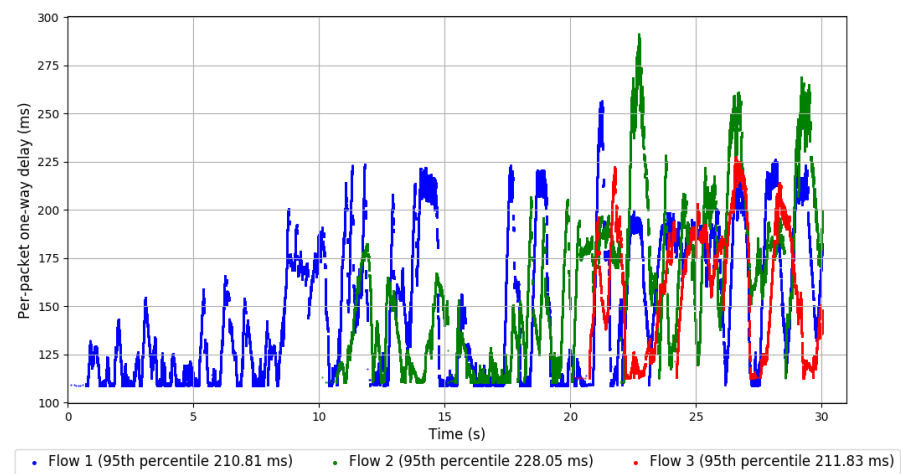
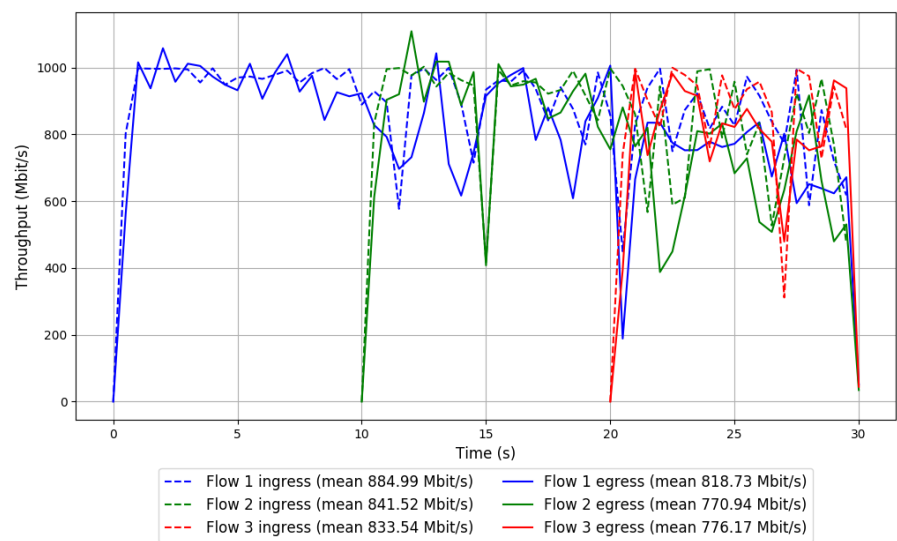
-- Flow 3:

Average throughput: 776.17 Mbit/s

95th percentile per-packet one-way delay: 211.833 ms

Loss rate: 6.88%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-09 16:44:57

End at: 2018-01-09 16:45:27

Below is generated by plot.py at 2018-01-09 19:56:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 1389.22 Mbit/s

95th percentile per-packet one-way delay: 303.785 ms

Loss rate: 5.93%

-- Flow 1:

Average throughput: 592.98 Mbit/s

95th percentile per-packet one-way delay: 316.206 ms

Loss rate: 5.49%

-- Flow 2:

Average throughput: 834.23 Mbit/s

95th percentile per-packet one-way delay: 291.298 ms

Loss rate: 3.83%

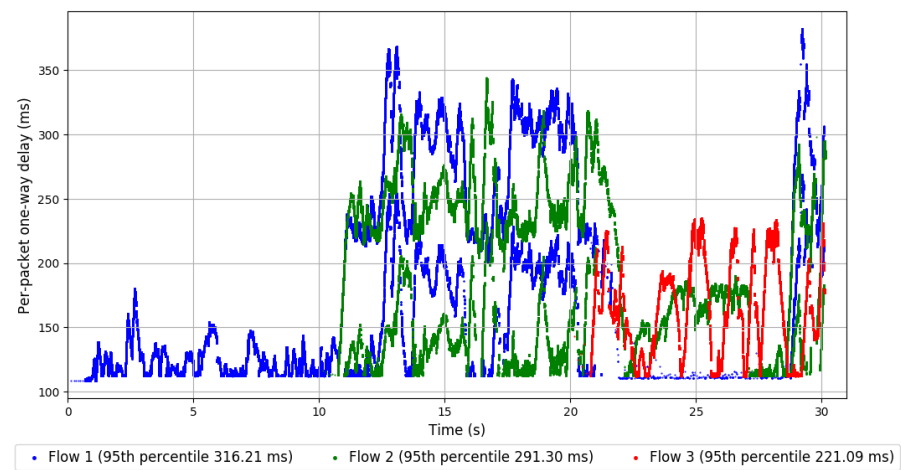
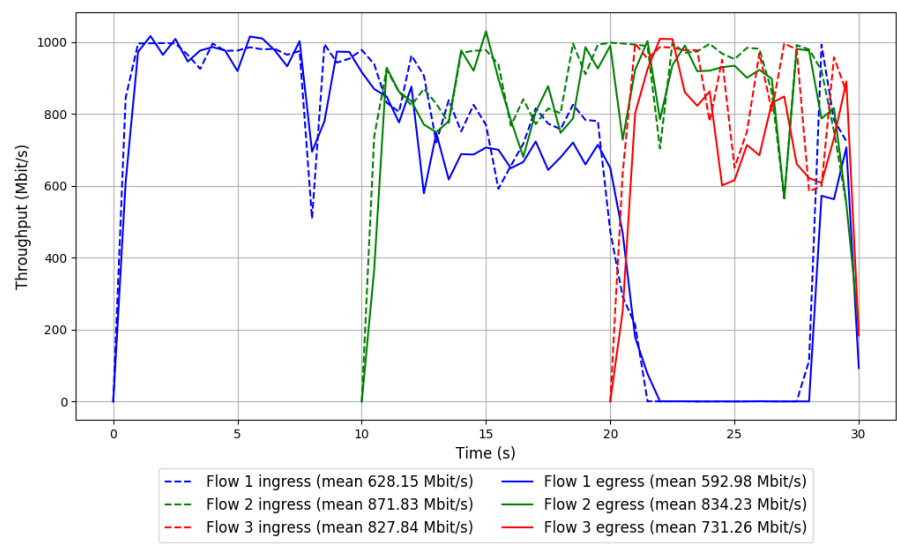
-- Flow 3:

Average throughput: 731.26 Mbit/s

95th percentile per-packet one-way delay: 221.088 ms

Loss rate: 11.36%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-09 17:00:17

End at: 2018-01-09 17:00:47

Below is generated by plot.py at 2018-01-09 20:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1232.20 Mbit/s

95th percentile per-packet one-way delay: 302.274 ms

Loss rate: 6.78%

-- Flow 1:

Average throughput: 877.23 Mbit/s

95th percentile per-packet one-way delay: 205.873 ms

Loss rate: 4.34%

-- Flow 2:

Average throughput: 209.85 Mbit/s

95th percentile per-packet one-way delay: 355.307 ms

Loss rate: 13.68%

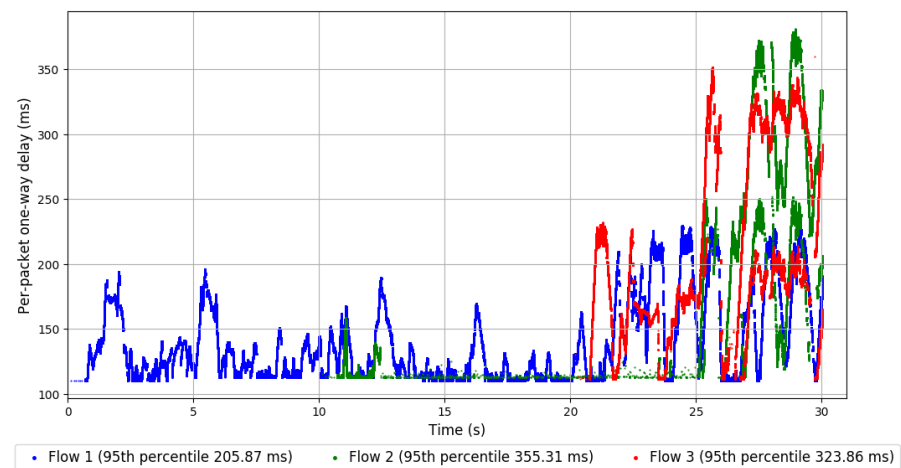
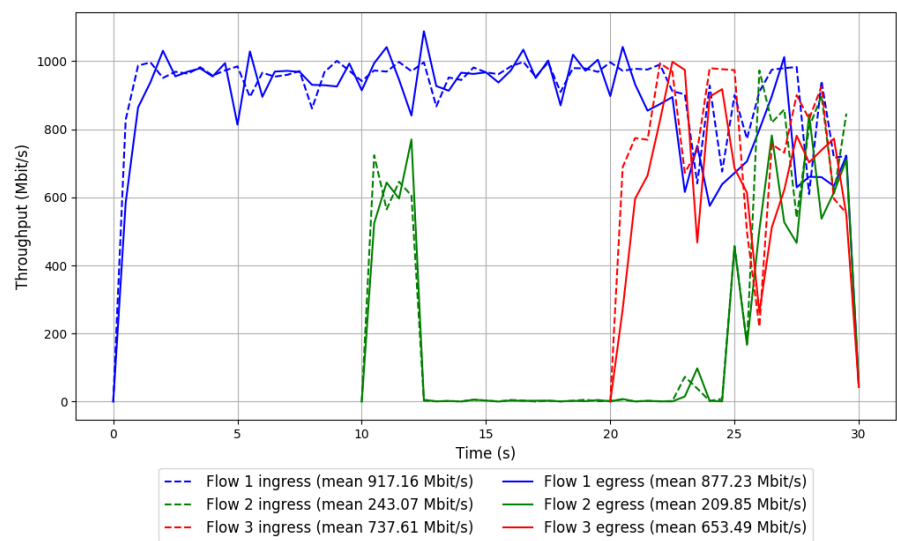
-- Flow 3:

Average throughput: 653.49 Mbit/s

95th percentile per-packet one-way delay: 323.856 ms

Loss rate: 11.37%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-01-09 17:15:02

End at: 2018-01-09 17:15:32

Below is generated by plot.py at 2018-01-09 20:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 725.92 Mbit/s

95th percentile per-packet one-way delay: 184.026 ms

Loss rate: 2.86%

-- Flow 1:

Average throughput: 382.92 Mbit/s

95th percentile per-packet one-way delay: 183.818 ms

Loss rate: 2.35%

-- Flow 2:

Average throughput: 94.47 Mbit/s

95th percentile per-packet one-way delay: 190.924 ms

Loss rate: 3.51%

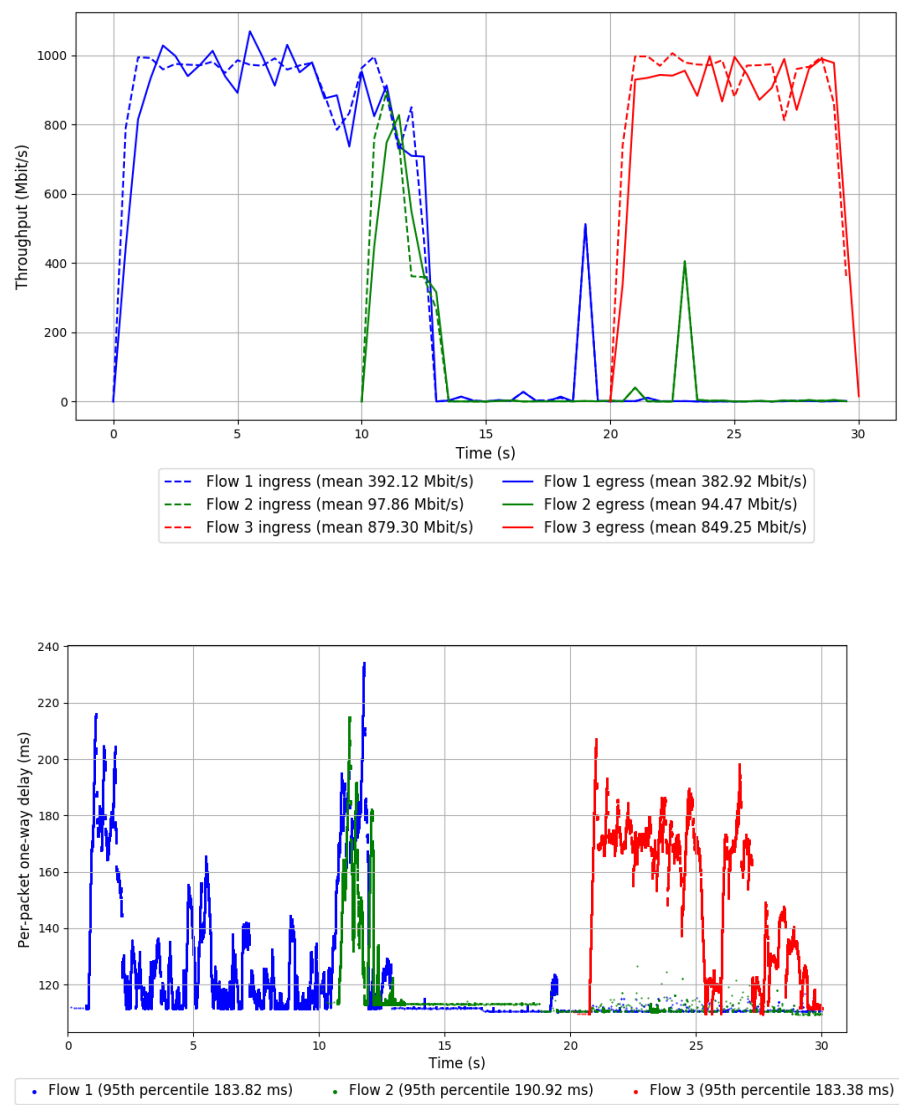
-- Flow 3:

Average throughput: 849.25 Mbit/s

95th percentile per-packet one-way delay: 183.375 ms

Loss rate: 3.40%

Run 10: Report of FillP — Data Link

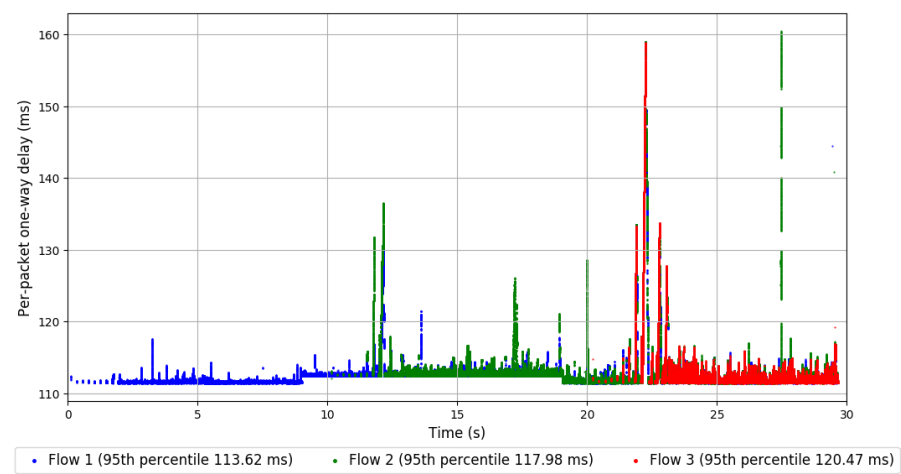
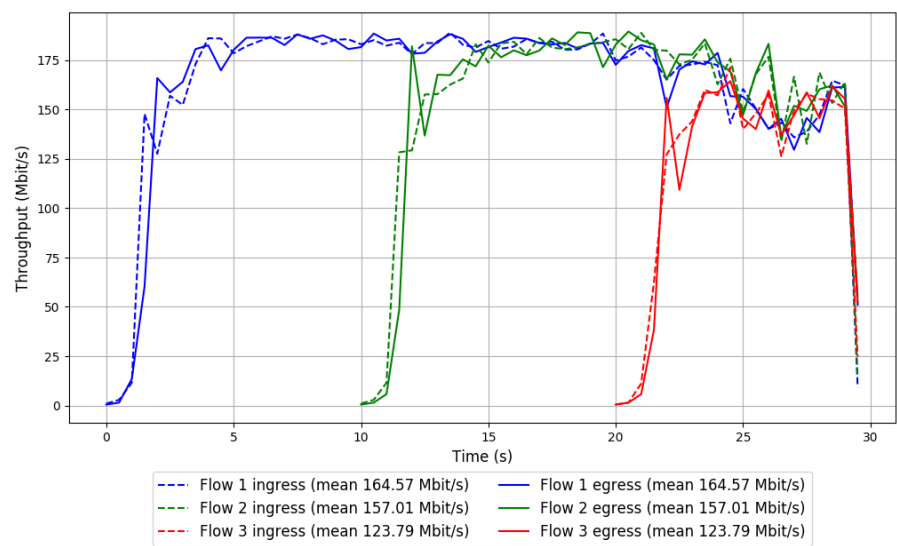


```
Run 1: Statistics of Indigo

Start at: 2018-01-09 15:00:49
End at: 2018-01-09 15:01:19

# Below is generated by plot.py at 2018-01-09 20:02:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 307.76 Mbit/s
95th percentile per-packet one-way delay: 115.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.57 Mbit/s
95th percentile per-packet one-way delay: 113.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 157.01 Mbit/s
95th percentile per-packet one-way delay: 117.978 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 123.79 Mbit/s
95th percentile per-packet one-way delay: 120.469 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

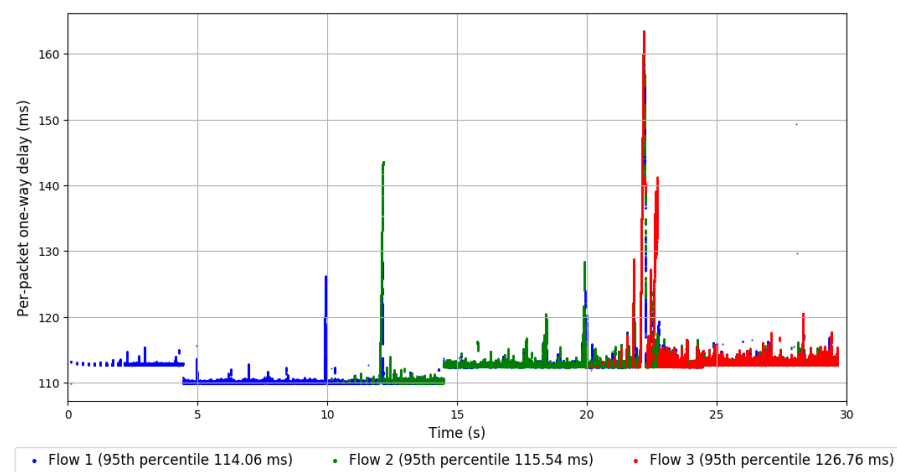
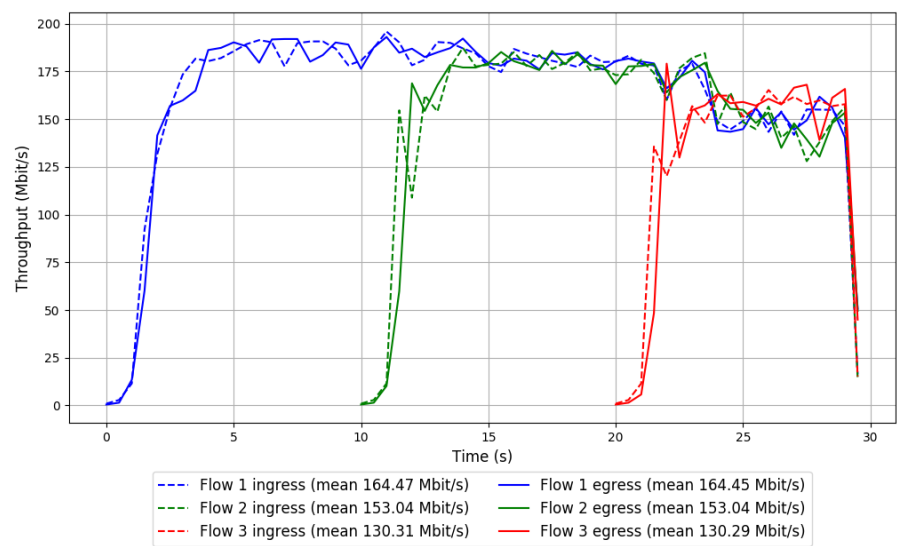


```
Run 2: Statistics of Indigo

Start at: 2018-01-09 15:16:04
End at: 2018-01-09 15:16:34

# Below is generated by plot.py at 2018-01-09 20:02:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 307.43 Mbit/s
95th percentile per-packet one-way delay: 115.140 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 164.45 Mbit/s
95th percentile per-packet one-way delay: 114.064 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 153.04 Mbit/s
95th percentile per-packet one-way delay: 115.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.29 Mbit/s
95th percentile per-packet one-way delay: 126.756 ms
Loss rate: 0.02%
```

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-09 15:31:41

End at: 2018-01-09 15:32:11

Below is generated by plot.py at 2018-01-09 20:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.68 Mbit/s

95th percentile per-packet one-way delay: 113.184 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 156.37 Mbit/s

95th percentile per-packet one-way delay: 113.118 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 148.84 Mbit/s

95th percentile per-packet one-way delay: 113.892 ms

Loss rate: 0.00%

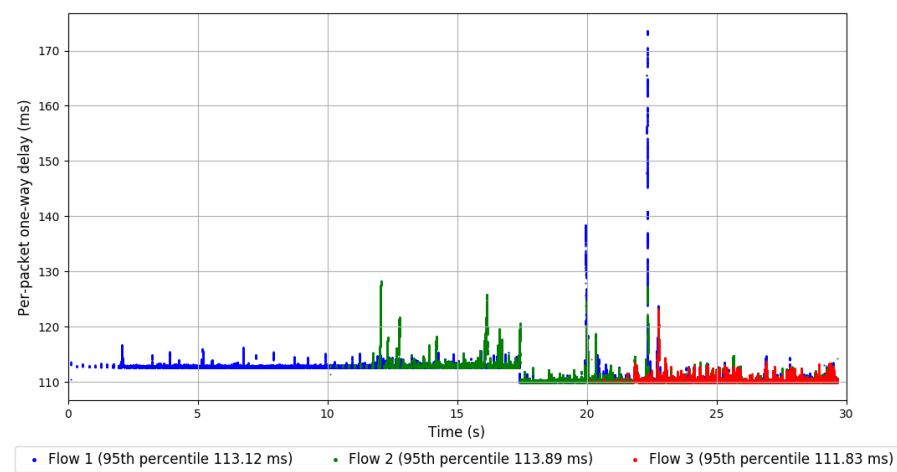
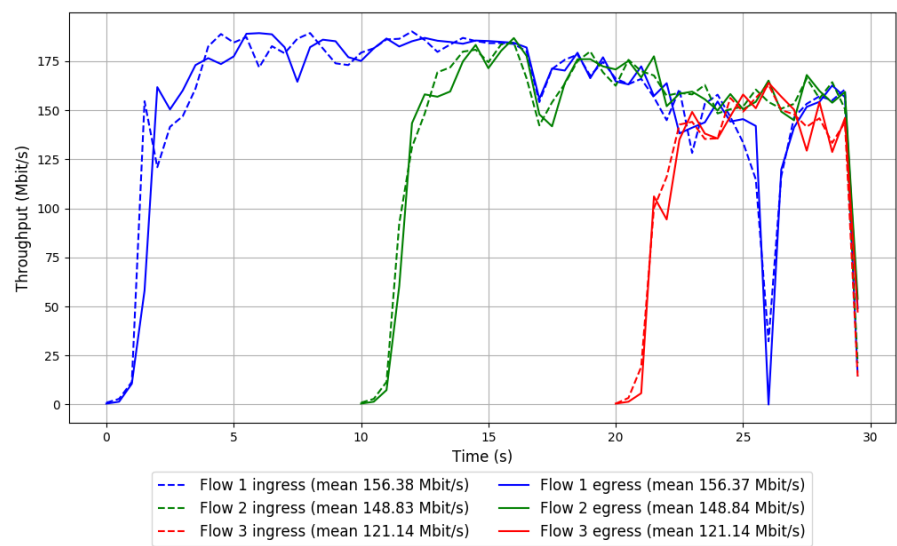
-- Flow 3:

Average throughput: 121.14 Mbit/s

95th percentile per-packet one-way delay: 111.835 ms

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-09 15:47:04

End at: 2018-01-09 15:47:34

Below is generated by plot.py at 2018-01-09 20:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.00 Mbit/s

95th percentile per-packet one-way delay: 113.523 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 156.71 Mbit/s

95th percentile per-packet one-way delay: 113.234 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 151.78 Mbit/s

95th percentile per-packet one-way delay: 114.105 ms

Loss rate: 0.01%

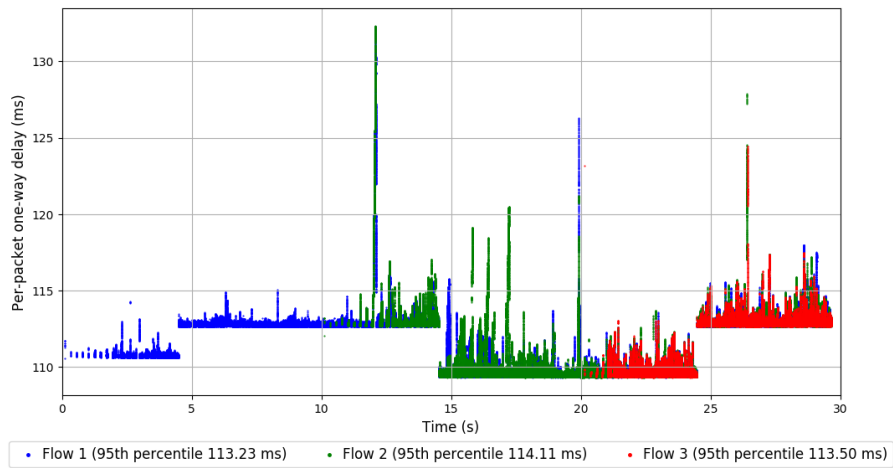
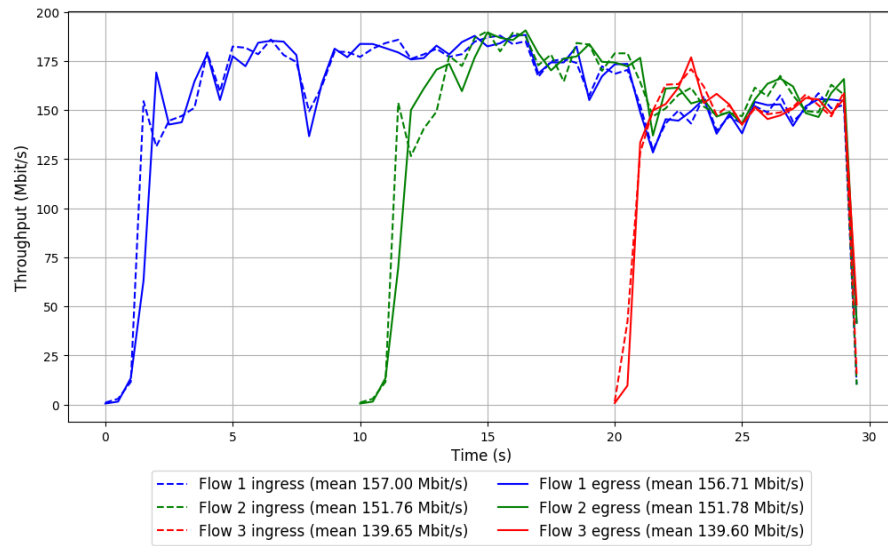
-- Flow 3:

Average throughput: 139.60 Mbit/s

95th percentile per-packet one-way delay: 113.495 ms

Loss rate: 0.02%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-09 16:02:20

End at: 2018-01-09 16:02:50

Below is generated by plot.py at 2018-01-09 20:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.92 Mbit/s

95th percentile per-packet one-way delay: 118.485 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 150.68 Mbit/s

95th percentile per-packet one-way delay: 119.454 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 154.87 Mbit/s

95th percentile per-packet one-way delay: 116.860 ms

Loss rate: 0.01%

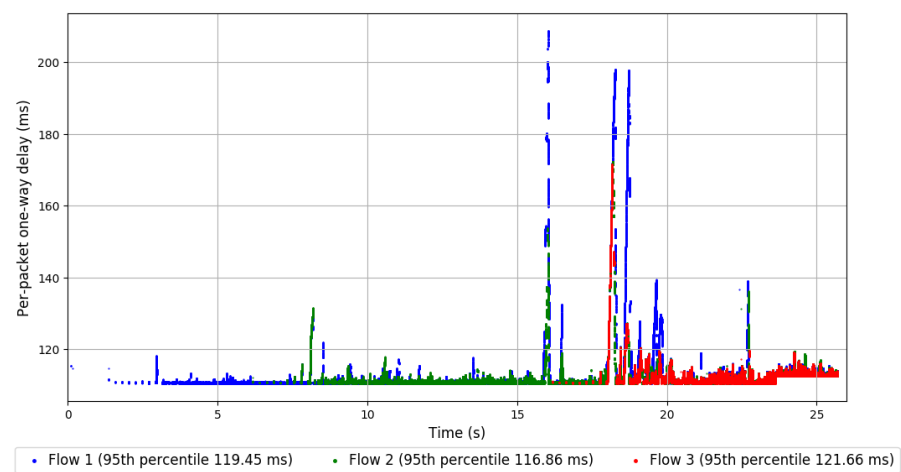
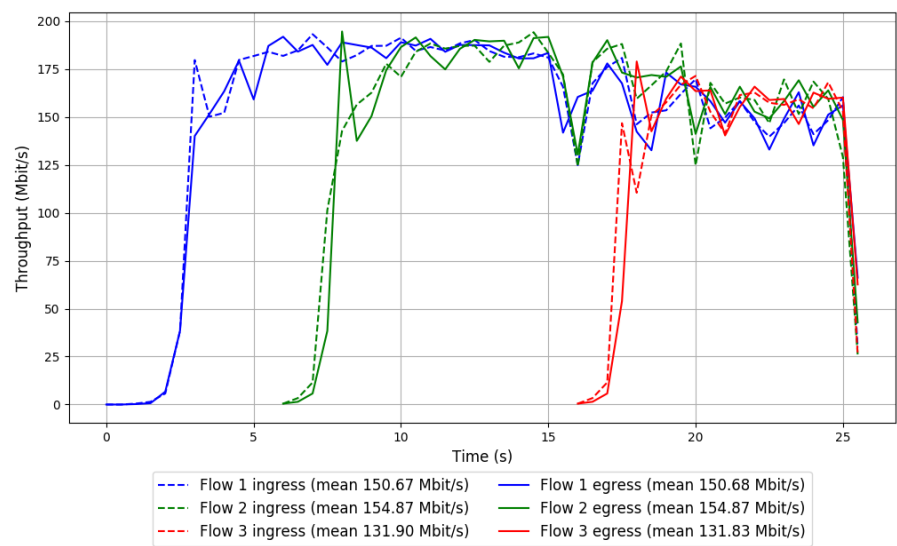
-- Flow 3:

Average throughput: 131.83 Mbit/s

95th percentile per-packet one-way delay: 121.664 ms

Loss rate: 0.03%

Run 5: Report of Indigo — Data Link

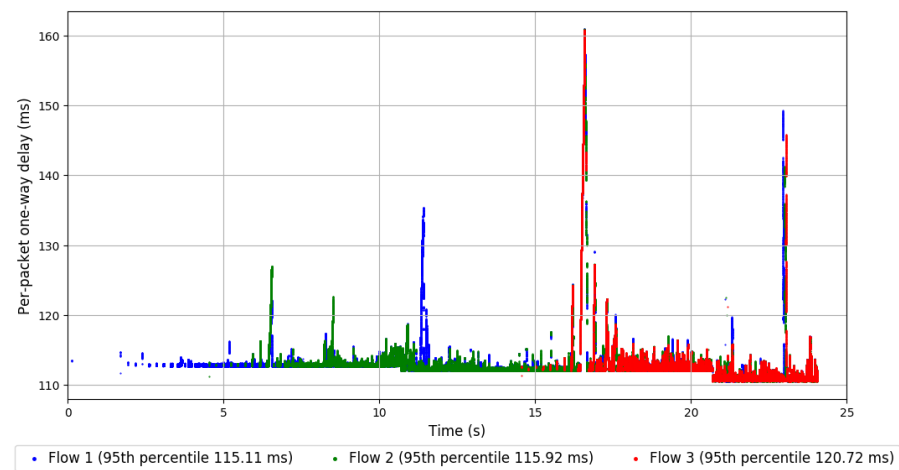
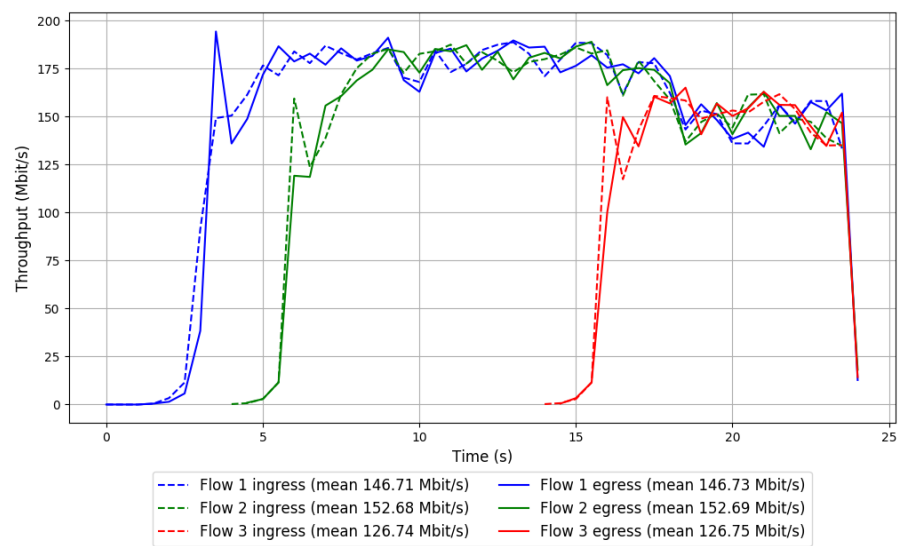


Run 6: Statistics of Indigo

Start at: 2018-01-09 16:17:12

End at: 2018-01-09 16:17:42

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-09 16:32:37

End at: 2018-01-09 16:33:07

Below is generated by plot.py at 2018-01-09 20:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.96 Mbit/s

95th percentile per-packet one-way delay: 115.375 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 163.01 Mbit/s

95th percentile per-packet one-way delay: 113.733 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 149.72 Mbit/s

95th percentile per-packet one-way delay: 115.636 ms

Loss rate: 0.00%

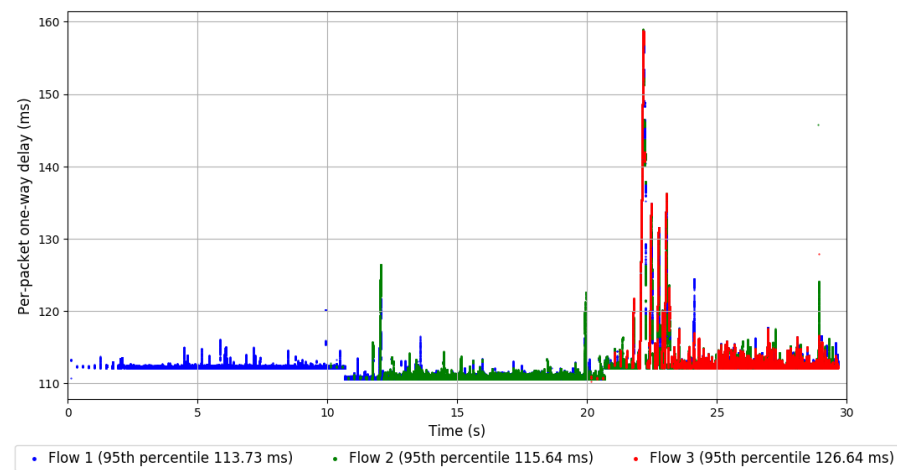
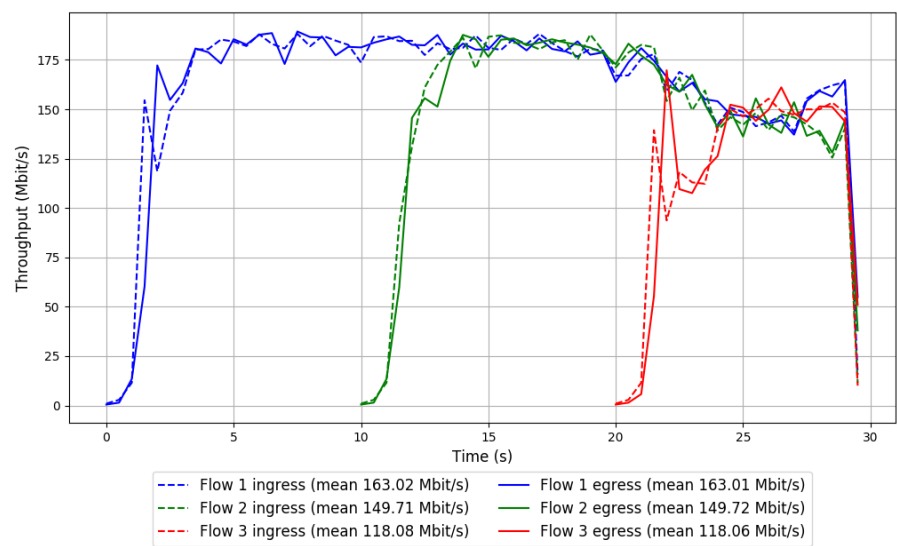
-- Flow 3:

Average throughput: 118.06 Mbit/s

95th percentile per-packet one-way delay: 126.643 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-09 16:47:40

End at: 2018-01-09 16:48:10

Below is generated by plot.py at 2018-01-09 20:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.53 Mbit/s

95th percentile per-packet one-way delay: 113.252 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 162.44 Mbit/s

95th percentile per-packet one-way delay: 112.961 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 150.83 Mbit/s

95th percentile per-packet one-way delay: 113.471 ms

Loss rate: 0.00%

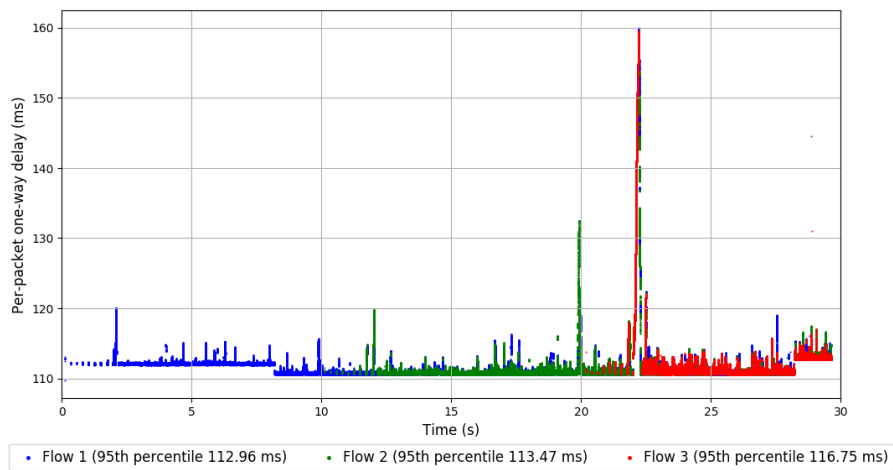
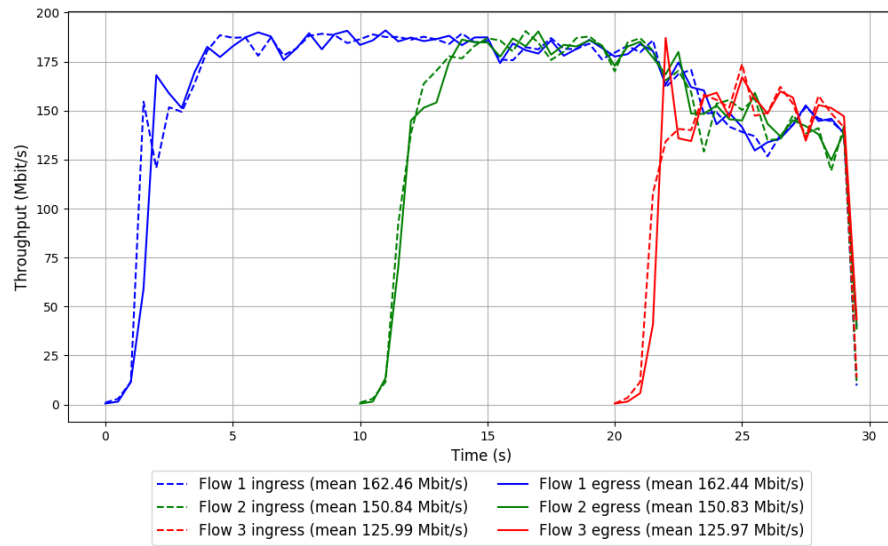
-- Flow 3:

Average throughput: 125.97 Mbit/s

95th percentile per-packet one-way delay: 116.745 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-01-09 17:02:51

End at: 2018-01-09 17:03:21

Below is generated by plot.py at 2018-01-09 20:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 306.52 Mbit/s

95th percentile per-packet one-way delay: 115.492 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 162.68 Mbit/s

95th percentile per-packet one-way delay: 114.514 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 156.10 Mbit/s

95th percentile per-packet one-way delay: 116.137 ms

Loss rate: 0.00%

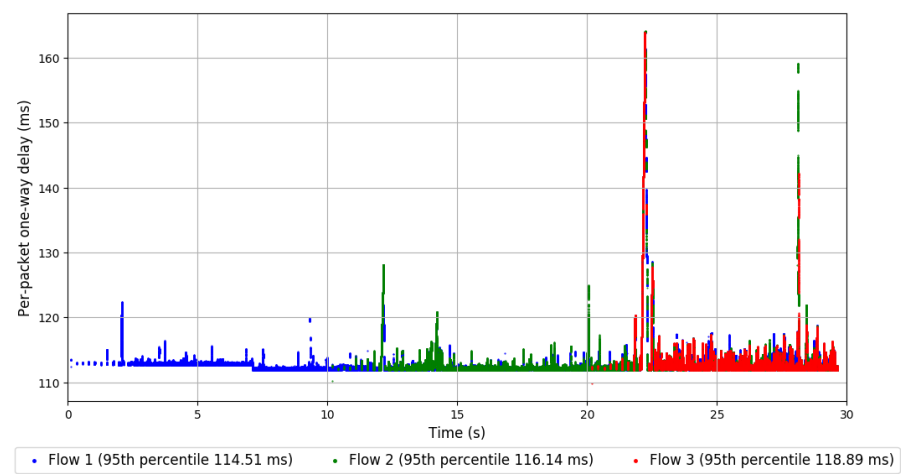
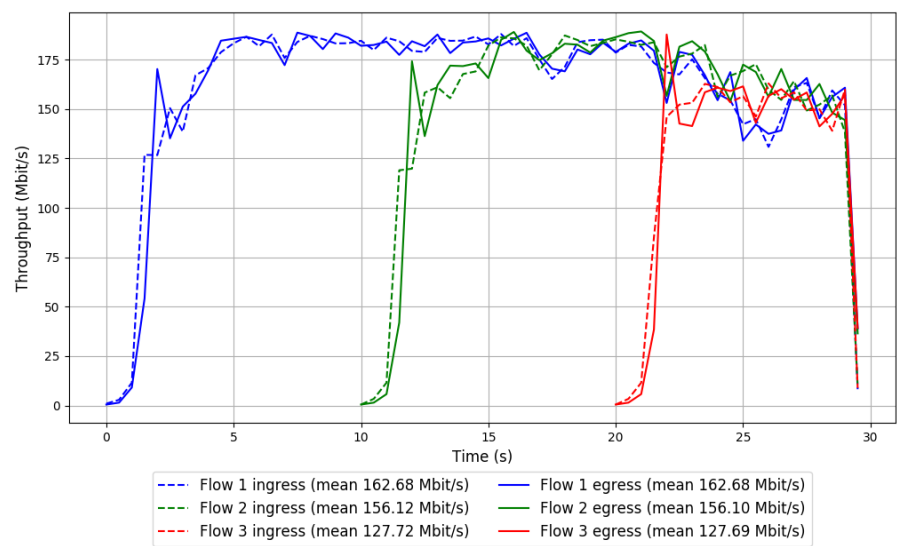
-- Flow 3:

Average throughput: 127.69 Mbit/s

95th percentile per-packet one-way delay: 118.887 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-09 17:17:12

End at: 2018-01-09 17:17:42

Below is generated by plot.py at 2018-01-09 20:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.38 Mbit/s

95th percentile per-packet one-way delay: 114.951 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 158.05 Mbit/s

95th percentile per-packet one-way delay: 114.295 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 152.44 Mbit/s

95th percentile per-packet one-way delay: 114.674 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 126.03 Mbit/s

95th percentile per-packet one-way delay: 119.222 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

