

Pantheon Report

Generated at 2018-01-10 11:22:29 (UTC).

Data path: GCE Iowa 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.

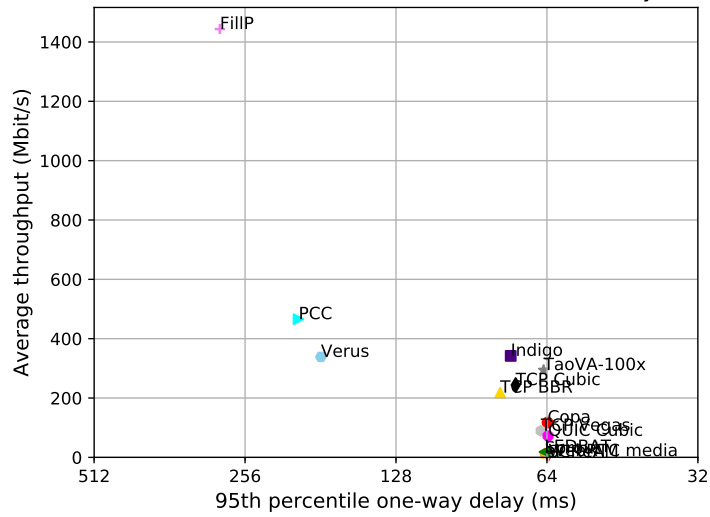
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

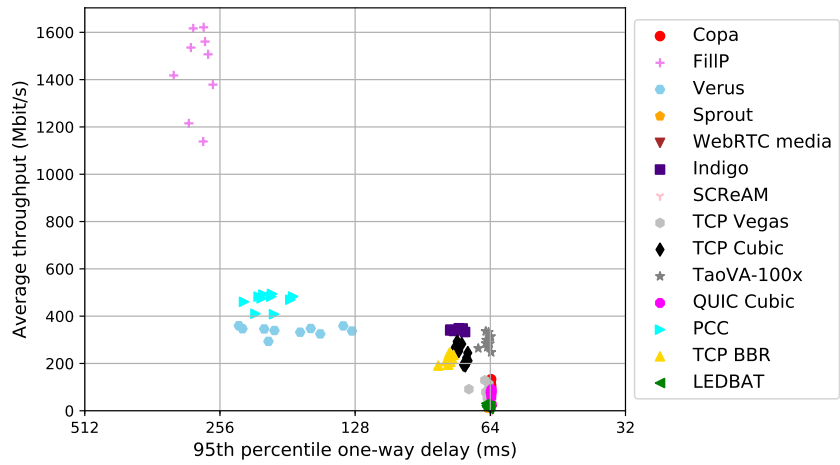
Git summary:

```
branch: master @ 56d1792c316a5efca3f2d21342905405fedffb48
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 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 Iowa 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 Iowa 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	10	99.03	117.43	124.01	77.24	79.91	81.49	0.05	0.01	0.02
TCP Cubic	10	114.55	125.06	134.20	72.63	73.35	74.65	0.25	0.12	0.26
LEDBAT	9	10.63	8.78	5.69	64.78	64.71	64.43	0.39	0.31	0.63
PCC	10	426.83	47.36	22.68	200.25	192.04	185.85	1.26	1.18	0.89
QUIC Cubic	10	42.32	34.50	22.24	63.64	63.47	63.05	0.00	0.01	0.02
SCReAM	8	0.22	0.21	0.22	63.64	63.19	62.99	0.00	0.00	0.00
WebRTC media	4	2.23	1.37	0.56	62.74	63.19	63.70	0.00	0.00	0.00
Sprout	10	6.56	6.40	6.23	64.68	64.62	64.69	0.16	0.24	0.16
TaoVA-100x	10	163.52	140.12	143.98	64.57	65.79	66.01	0.01	0.00	0.03
TCP Vegas	8	44.37	45.69	44.91	65.26	65.93	65.33	0.06	0.25	0.12
Verus	10	204.73	146.72	113.89	170.38	180.50	204.81	1.57	1.85	4.83
Copa	7	67.12	54.28	54.32	63.77	64.32	63.87	0.03	6.60	0.02
FillP	9	699.11	762.48	715.46	286.98	254.97	268.77	6.82	8.34	13.53
Indigo	10	178.58	173.92	148.99	73.95	75.91	80.09	0.03	0.06	0.10

Run 1: Statistics of TCP BBR

Start at: 2018-01-10 06:16:51

End at: 2018-01-10 06:17:22

Below is generated by plot.py at 2018-01-10 10:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.04 Mbit/s

95th percentile per-packet one-way delay: 83.576 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 86.19 Mbit/s

95th percentile per-packet one-way delay: 79.890 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 110.27 Mbit/s

95th percentile per-packet one-way delay: 83.928 ms

Loss rate: 0.00%

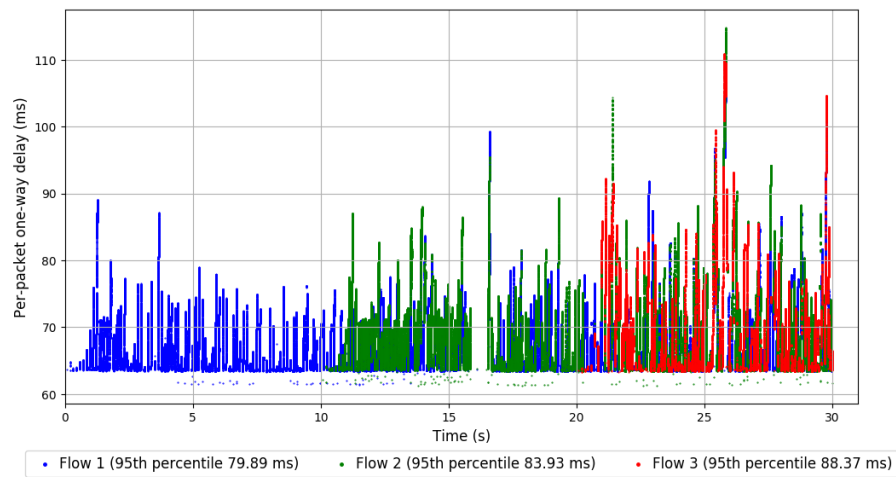
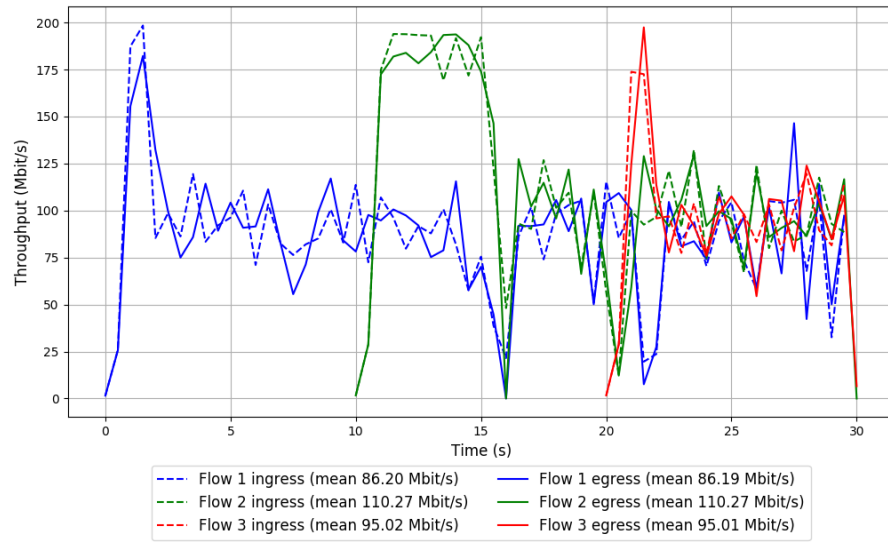
-- Flow 3:

Average throughput: 95.01 Mbit/s

95th percentile per-packet one-way delay: 88.366 ms

Loss rate: 0.01%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-10 06:31:08

End at: 2018-01-10 06:31:38

Below is generated by plot.py at 2018-01-10 10:10:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.01 Mbit/s

95th percentile per-packet one-way delay: 79.297 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 89.06 Mbit/s

95th percentile per-packet one-way delay: 77.581 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 178.87 Mbit/s

95th percentile per-packet one-way delay: 80.082 ms

Loss rate: 0.00%

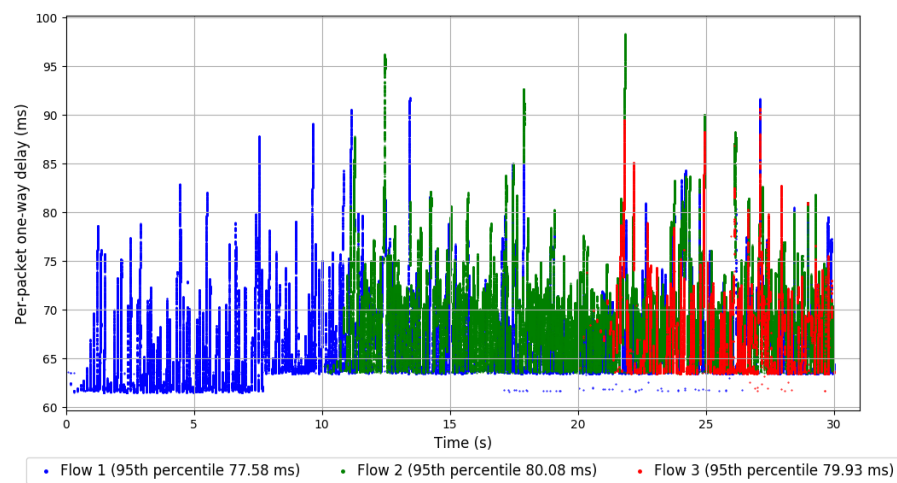
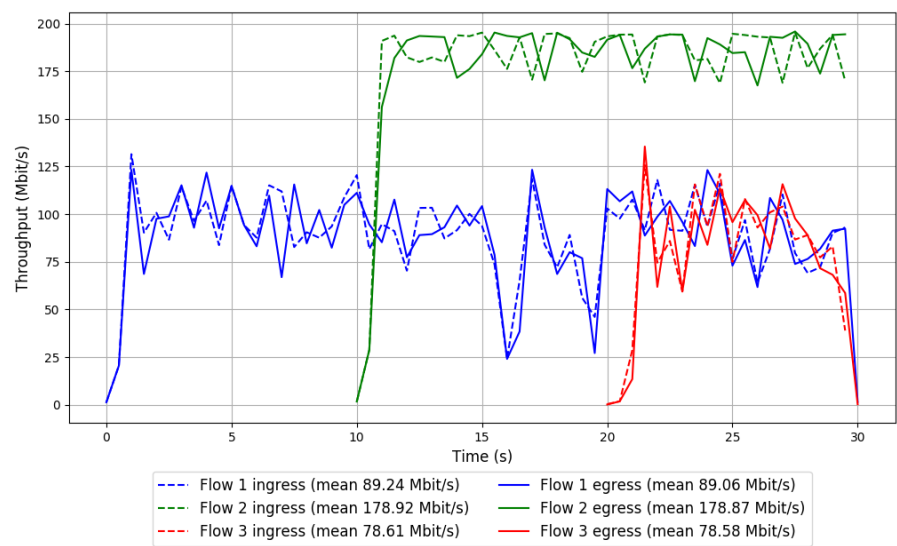
-- Flow 3:

Average throughput: 78.58 Mbit/s

95th percentile per-packet one-way delay: 79.927 ms

Loss rate: 0.05%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-10 06:45:23

End at: 2018-01-10 06:45:53

Below is generated by plot.py at 2018-01-10 10:10:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.72 Mbit/s

95th percentile per-packet one-way delay: 79.115 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 77.734 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 77.349 ms

Loss rate: 0.01%

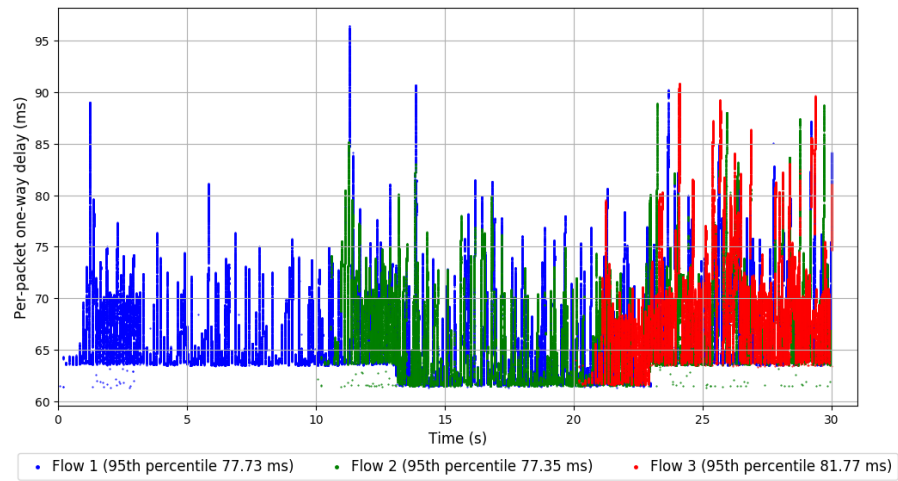
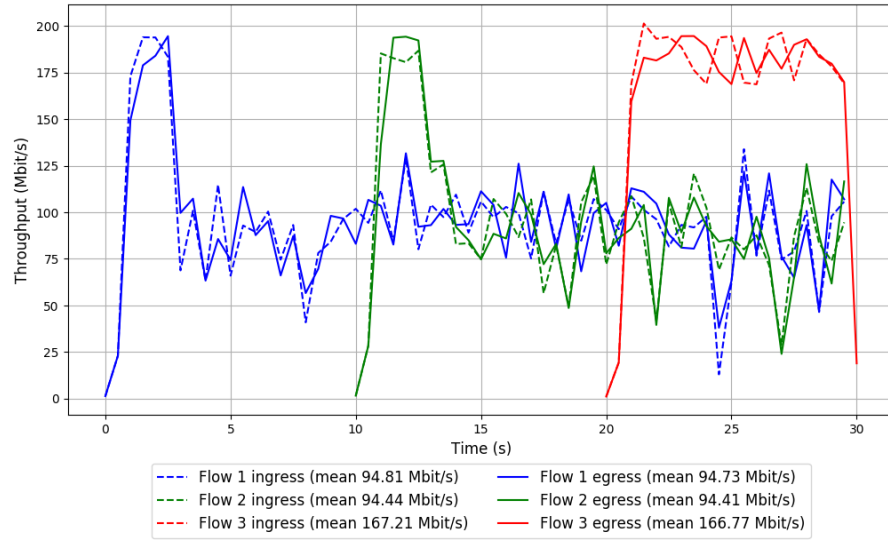
-- Flow 3:

Average throughput: 166.77 Mbit/s

95th percentile per-packet one-way delay: 81.766 ms

Loss rate: 0.14%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-10 06:59:20

End at: 2018-01-10 06:59:50

Below is generated by plot.py at 2018-01-10 10:10:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.01 Mbit/s

95th percentile per-packet one-way delay: 79.468 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 77.581 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 79.881 ms

Loss rate: 0.00%

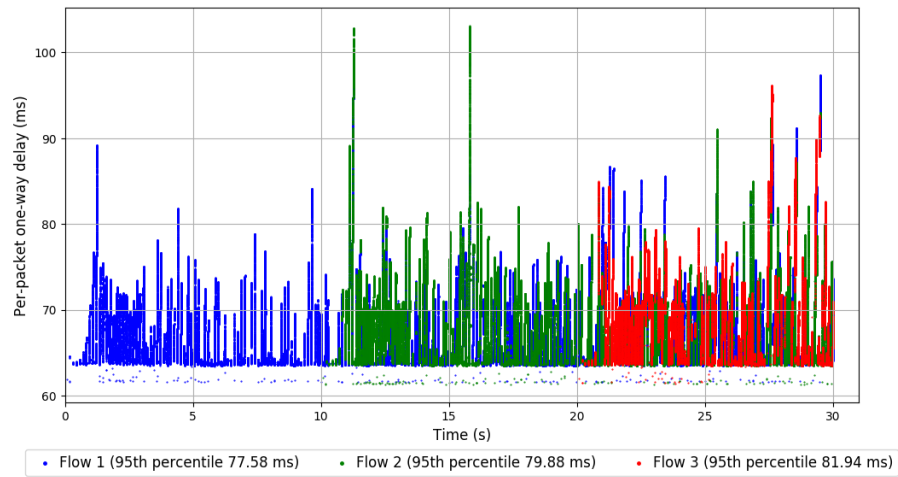
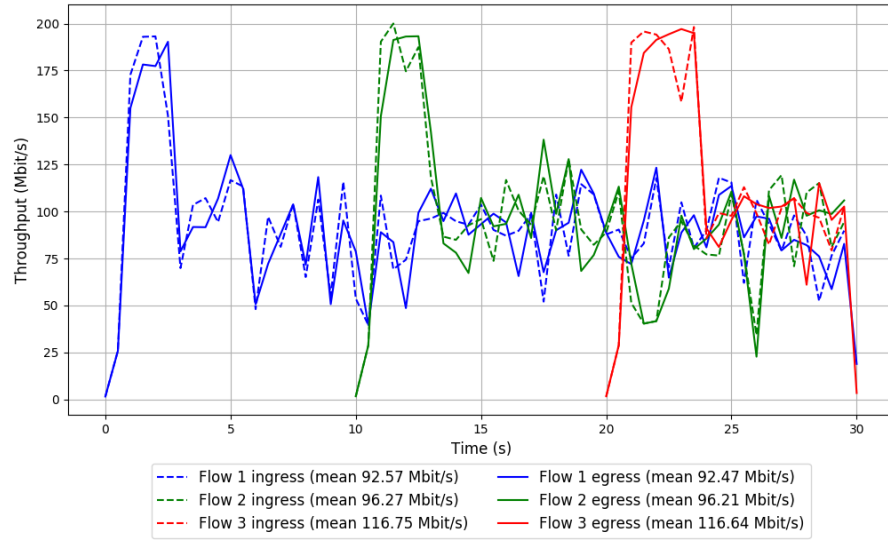
-- Flow 3:

Average throughput: 116.64 Mbit/s

95th percentile per-packet one-way delay: 81.945 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-10 07:12:32

End at: 2018-01-10 07:13:02

Below is generated by plot.py at 2018-01-10 10:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.30 Mbit/s

95th percentile per-packet one-way delay: 77.286 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 75.502 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 123.02 Mbit/s

95th percentile per-packet one-way delay: 78.908 ms

Loss rate: 0.01%

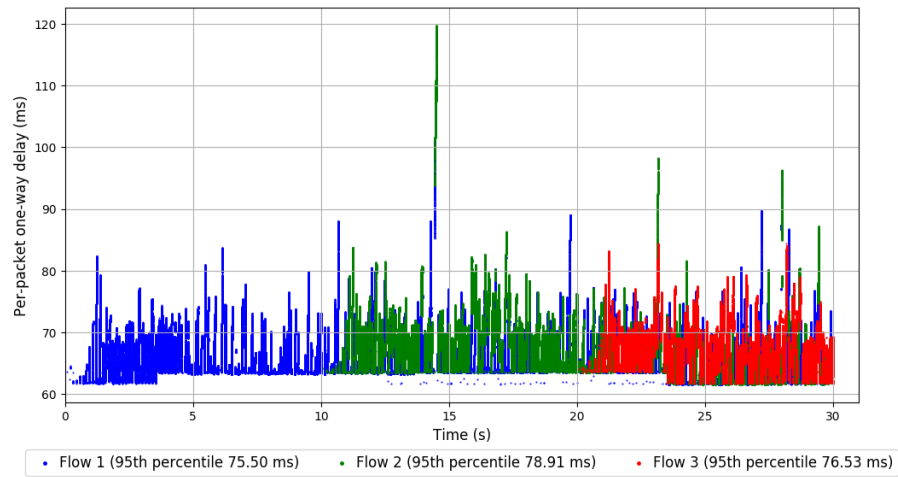
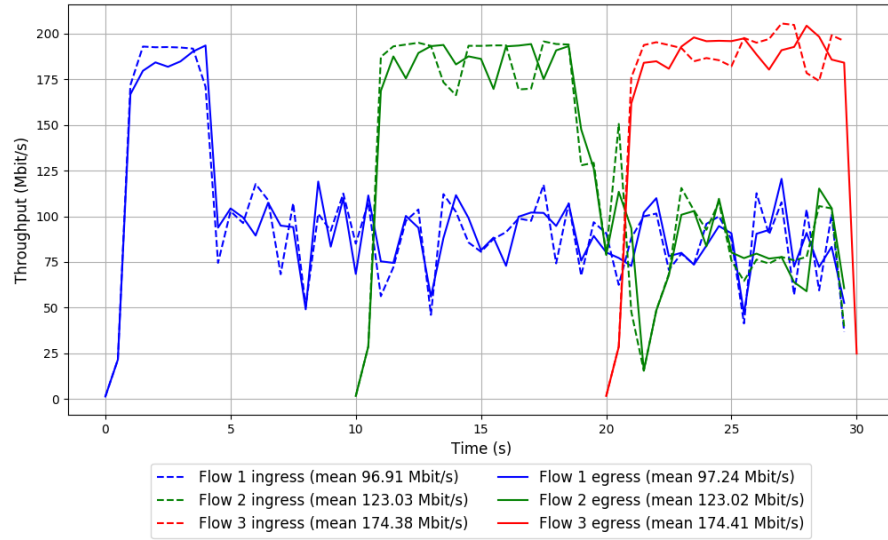
-- Flow 3:

Average throughput: 174.41 Mbit/s

95th percentile per-packet one-way delay: 76.530 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-10 07:26:39

End at: 2018-01-10 07:27:09

Below is generated by plot.py at 2018-01-10 10:10:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.22 Mbit/s

95th percentile per-packet one-way delay: 80.285 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 77.752 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 82.786 ms

Loss rate: 0.00%

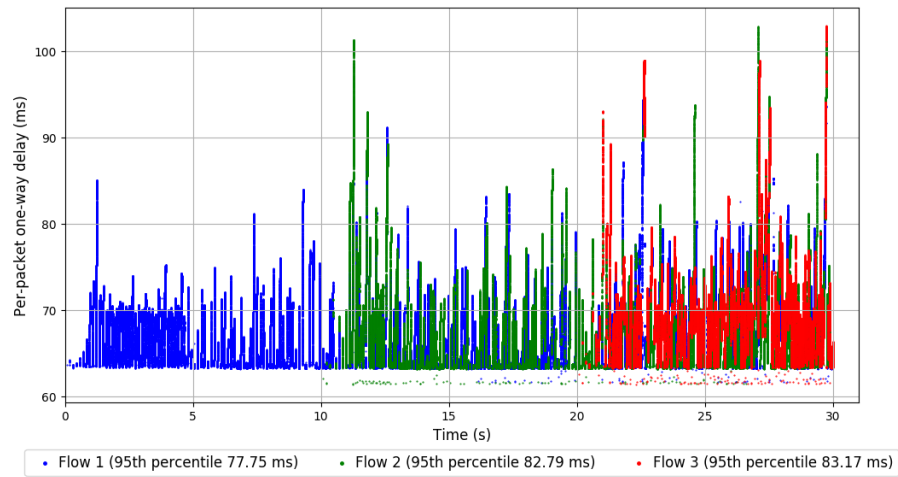
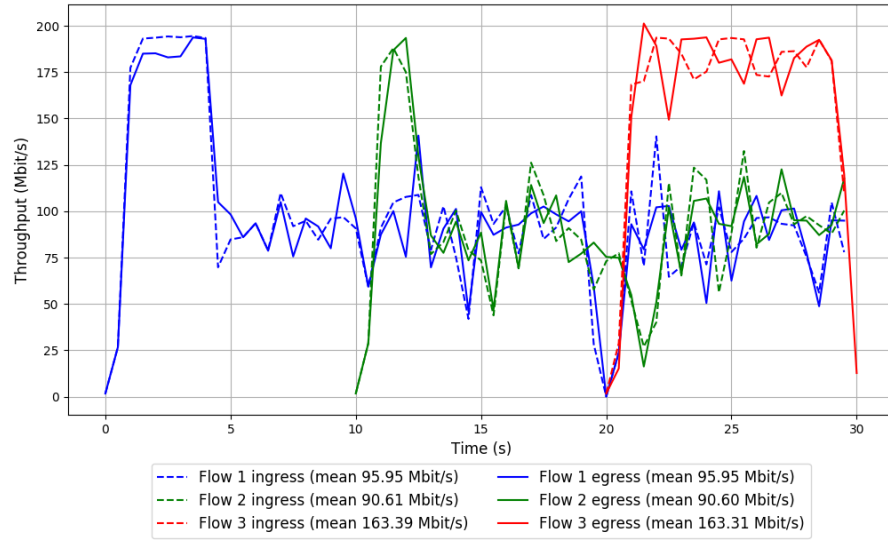
-- Flow 3:

Average throughput: 163.31 Mbit/s

95th percentile per-packet one-way delay: 83.170 ms

Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-10 07:40:27

End at: 2018-01-10 07:40:57

Below is generated by plot.py at 2018-01-10 10:10:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.23 Mbit/s

95th percentile per-packet one-way delay: 78.871 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 113.74 Mbit/s

95th percentile per-packet one-way delay: 76.536 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 149.92 Mbit/s

95th percentile per-packet one-way delay: 80.616 ms

Loss rate: 0.00%

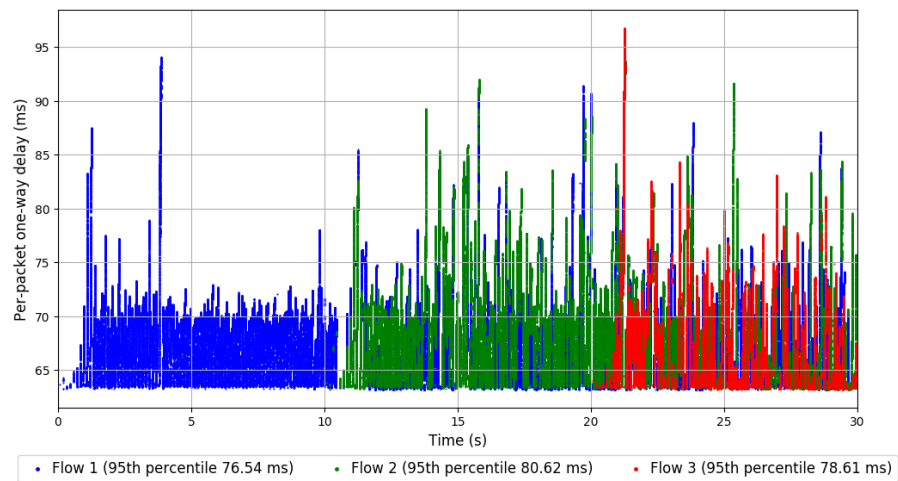
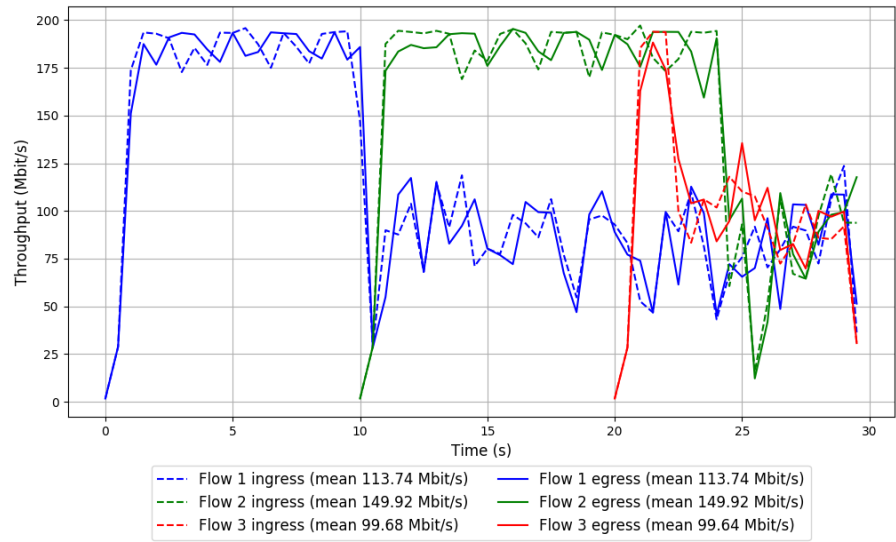
-- Flow 3:

Average throughput: 99.64 Mbit/s

95th percentile per-packet one-way delay: 78.611 ms

Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-10 07:54:58

End at: 2018-01-10 07:55:28

Below is generated by plot.py at 2018-01-10 10:10:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 228.80 Mbit/s

95th percentile per-packet one-way delay: 79.191 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 121.06 Mbit/s

95th percentile per-packet one-way delay: 77.041 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 99.51 Mbit/s

95th percentile per-packet one-way delay: 81.240 ms

Loss rate: 0.00%

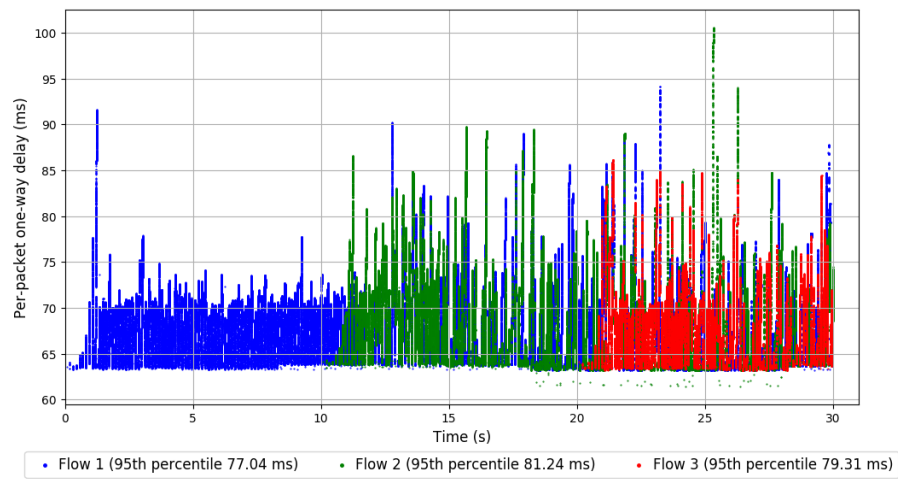
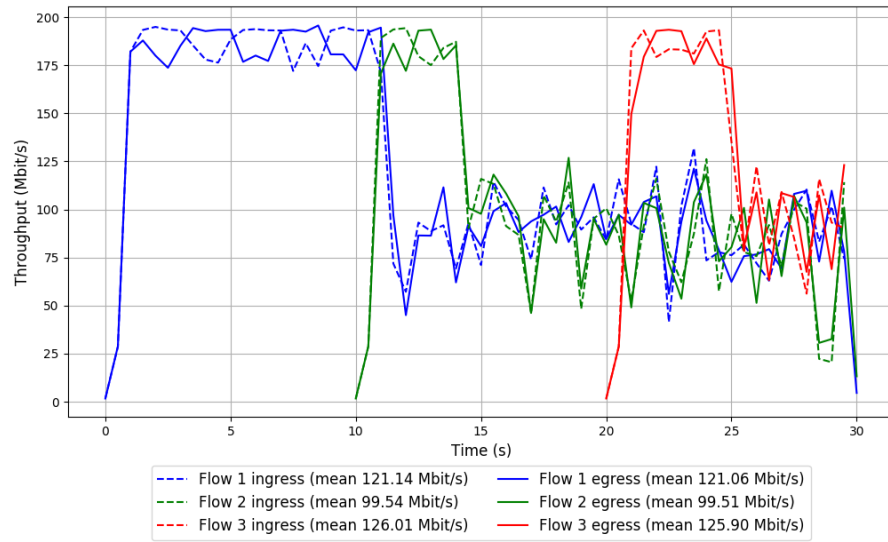
-- Flow 3:

Average throughput: 125.90 Mbit/s

95th percentile per-packet one-way delay: 79.305 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-10 08:09:19

End at: 2018-01-10 08:09:49

Below is generated by plot.py at 2018-01-10 10:12:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.61 Mbit/s

95th percentile per-packet one-way delay: 77.768 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 101.39 Mbit/s

95th percentile per-packet one-way delay: 77.913 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 127.42 Mbit/s

95th percentile per-packet one-way delay: 75.407 ms

Loss rate: 0.01%

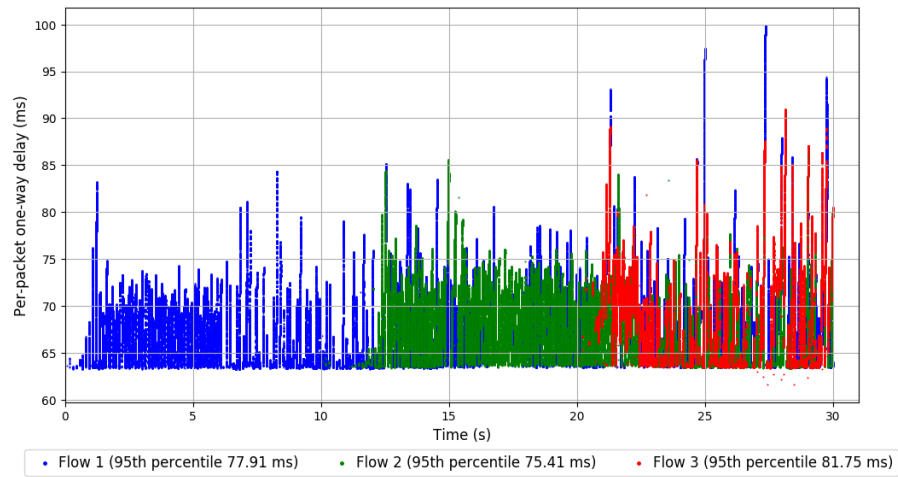
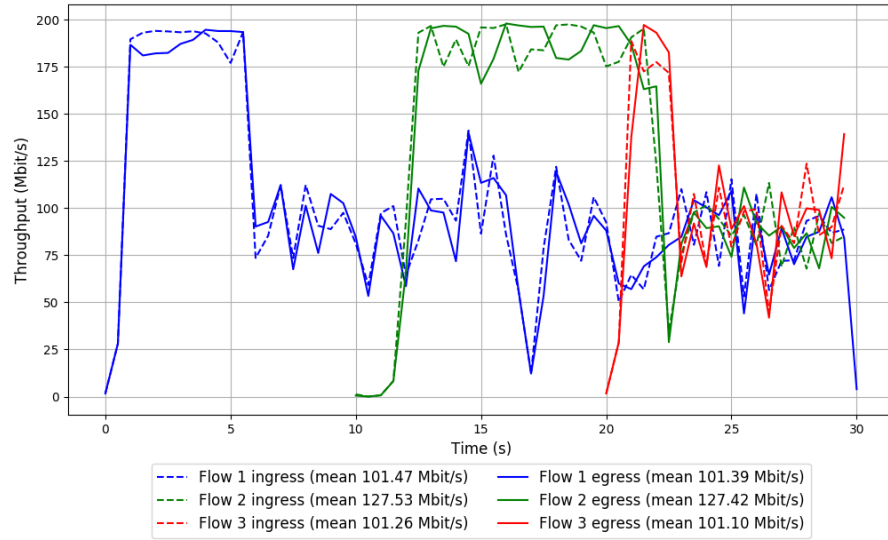
-- Flow 3:

Average throughput: 101.10 Mbit/s

95th percentile per-packet one-way delay: 81.745 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-10 08:23:28

End at: 2018-01-10 08:23:58

Below is generated by plot.py at 2018-01-10 10:12:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 206.91 Mbit/s

95th percentile per-packet one-way delay: 78.540 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 98.51 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 104.10 Mbit/s

95th percentile per-packet one-way delay: 78.941 ms

Loss rate: 0.12%

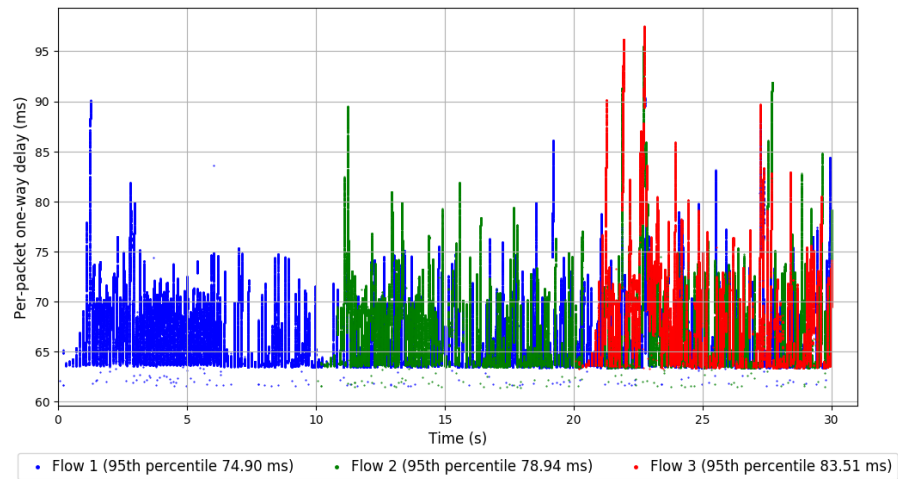
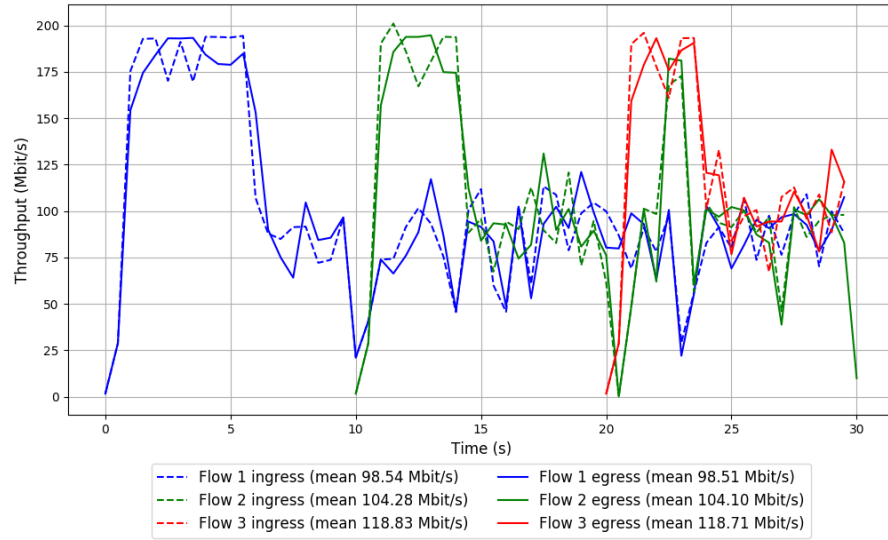
-- Flow 3:

Average throughput: 118.71 Mbit/s

95th percentile per-packet one-way delay: 83.511 ms

Loss rate: 0.01%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-10 06:19:50

End at: 2018-01-10 06:20:20

Below is generated by plot.py at 2018-01-10 10:13:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.94 Mbit/s

95th percentile per-packet one-way delay: 76.593 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 72.748 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 181.17 Mbit/s

95th percentile per-packet one-way delay: 75.288 ms

Loss rate: 0.00%

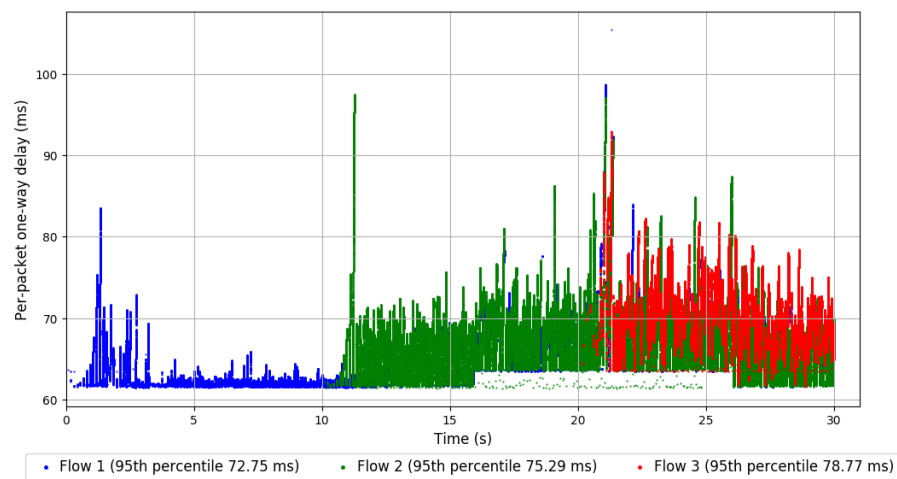
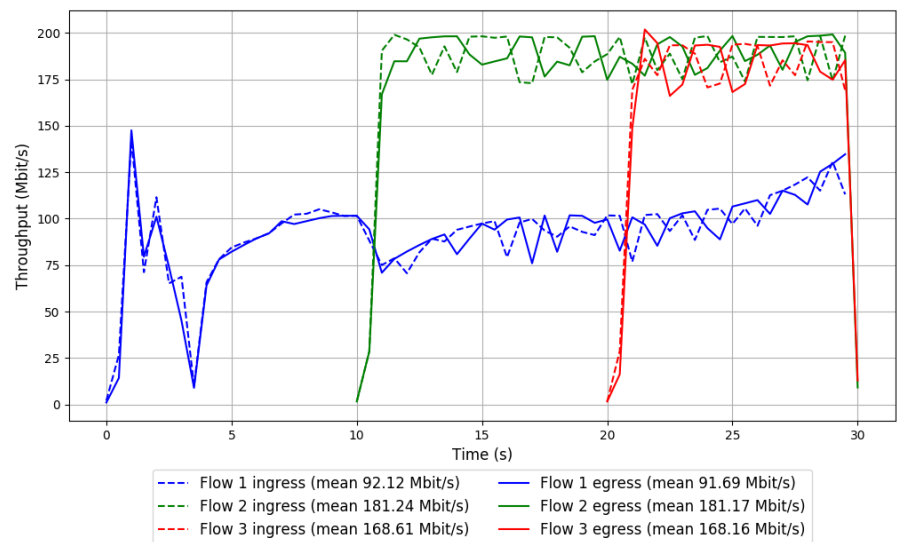
-- Flow 3:

Average throughput: 168.16 Mbit/s

95th percentile per-packet one-way delay: 78.769 ms

Loss rate: 0.27%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-10 06:34:12

End at: 2018-01-10 06:34:42

Below is generated by plot.py at 2018-01-10 10:13:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 273.93 Mbit/s

95th percentile per-packet one-way delay: 75.108 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 137.16 Mbit/s

95th percentile per-packet one-way delay: 73.777 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 122.37 Mbit/s

95th percentile per-packet one-way delay: 72.882 ms

Loss rate: 0.00%

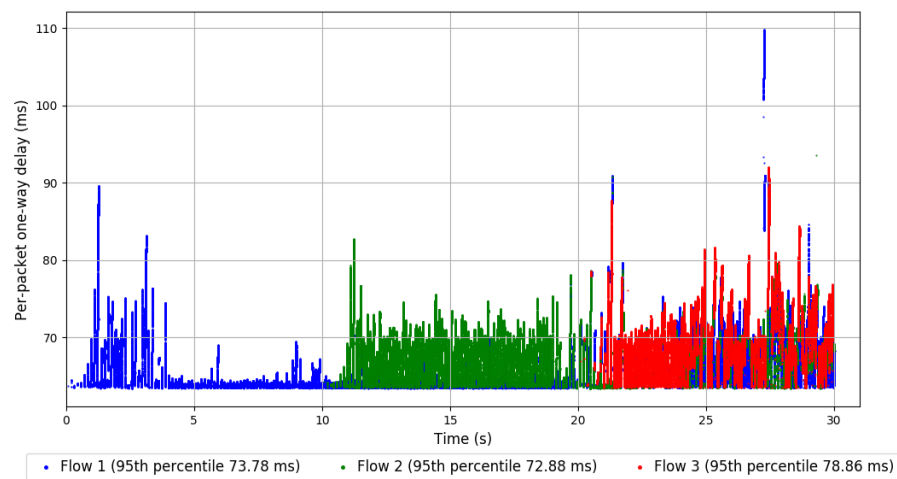
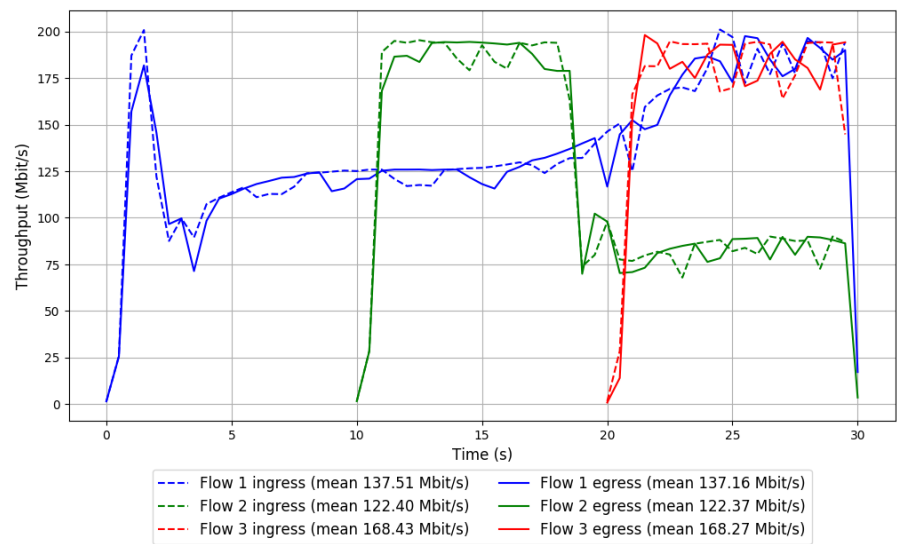
-- Flow 3:

Average throughput: 168.27 Mbit/s

95th percentile per-packet one-way delay: 78.858 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-10 06:48:27

End at: 2018-01-10 06:48:57

Below is generated by plot.py at 2018-01-10 10:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.51 Mbit/s

95th percentile per-packet one-way delay: 75.853 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 137.49 Mbit/s

95th percentile per-packet one-way delay: 73.797 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 150.00 Mbit/s

95th percentile per-packet one-way delay: 77.672 ms

Loss rate: 0.00%

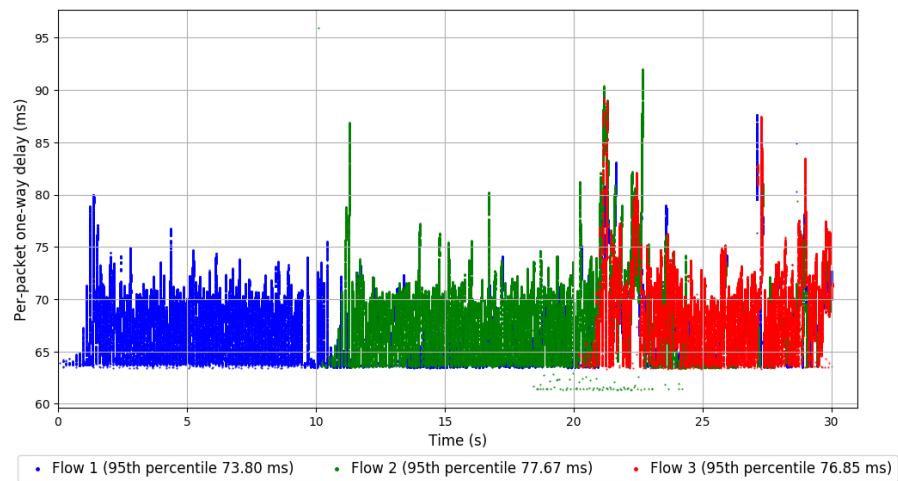
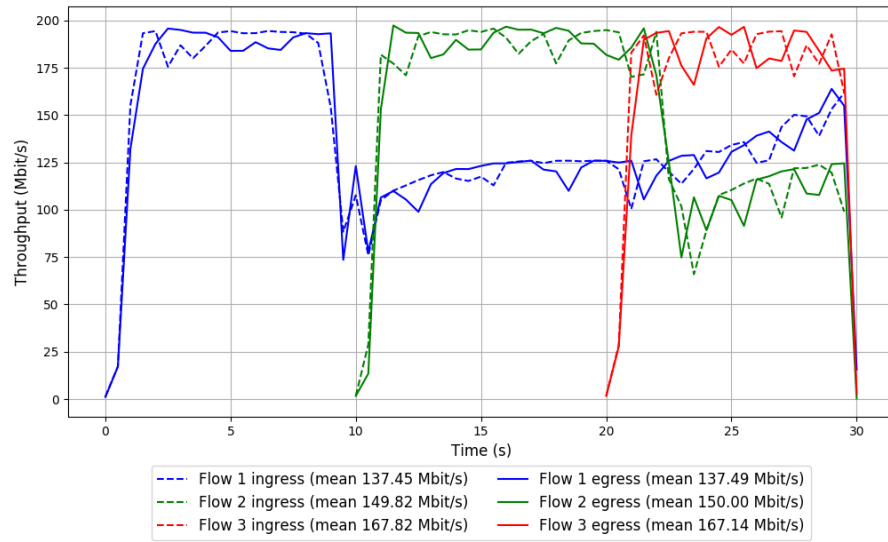
-- Flow 3:

Average throughput: 167.14 Mbit/s

95th percentile per-packet one-way delay: 76.848 ms

Loss rate: 0.42%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-10 07:02:20

End at: 2018-01-10 07:02:50

Below is generated by plot.py at 2018-01-10 10:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.60 Mbit/s

95th percentile per-packet one-way delay: 72.760 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 91.42 Mbit/s

95th percentile per-packet one-way delay: 70.359 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 106.24 Mbit/s

95th percentile per-packet one-way delay: 73.516 ms

Loss rate: 0.51%

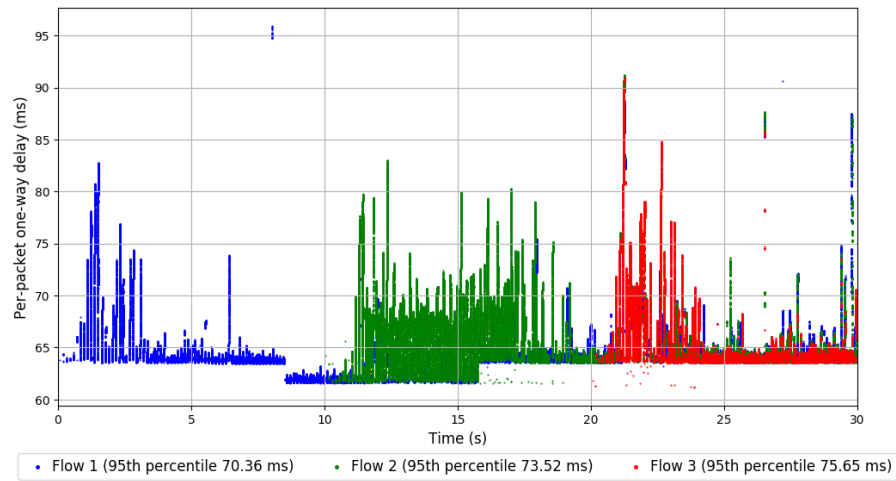
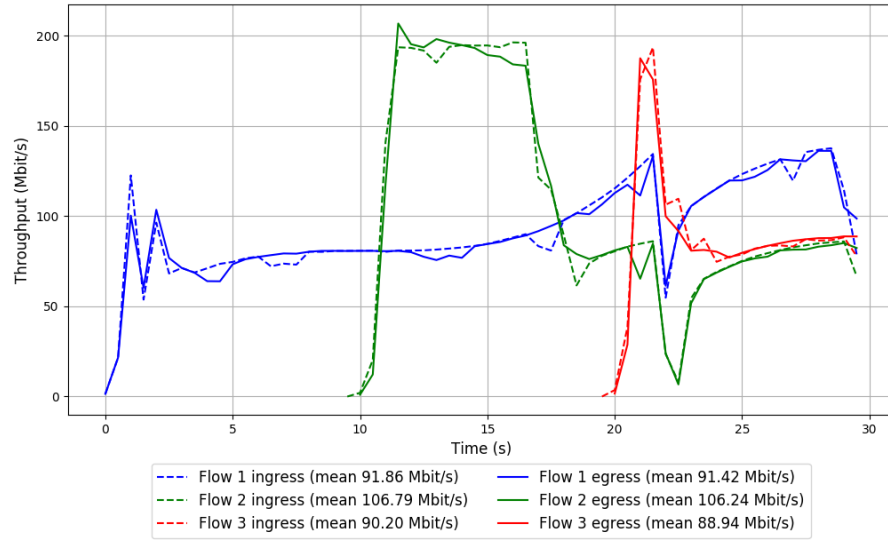
-- Flow 3:

Average throughput: 88.94 Mbit/s

95th percentile per-packet one-way delay: 75.646 ms

Loss rate: 1.36%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-10 07:15:36

End at: 2018-01-10 07:16:06

Below is generated by plot.py at 2018-01-10 10:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.35 Mbit/s

95th percentile per-packet one-way delay: 71.836 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.20 Mbit/s

95th percentile per-packet one-way delay: 71.462 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 138.76 Mbit/s

95th percentile per-packet one-way delay: 71.826 ms

Loss rate: 0.00%

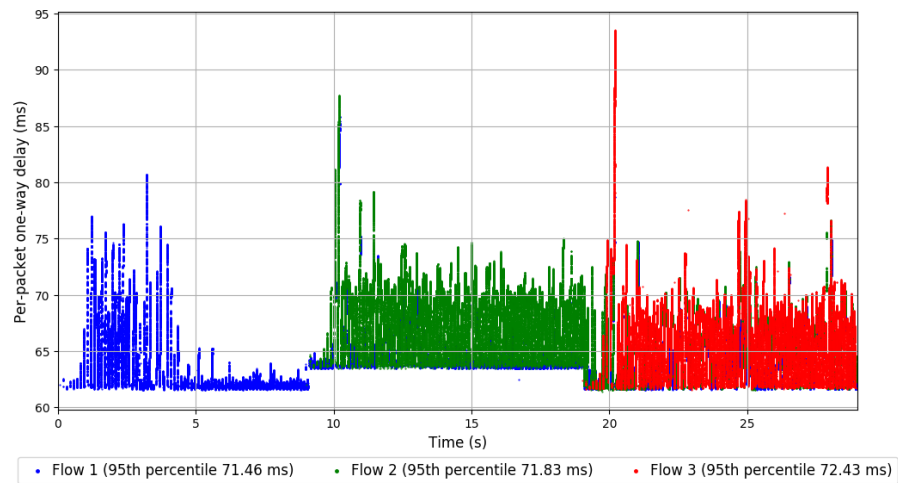
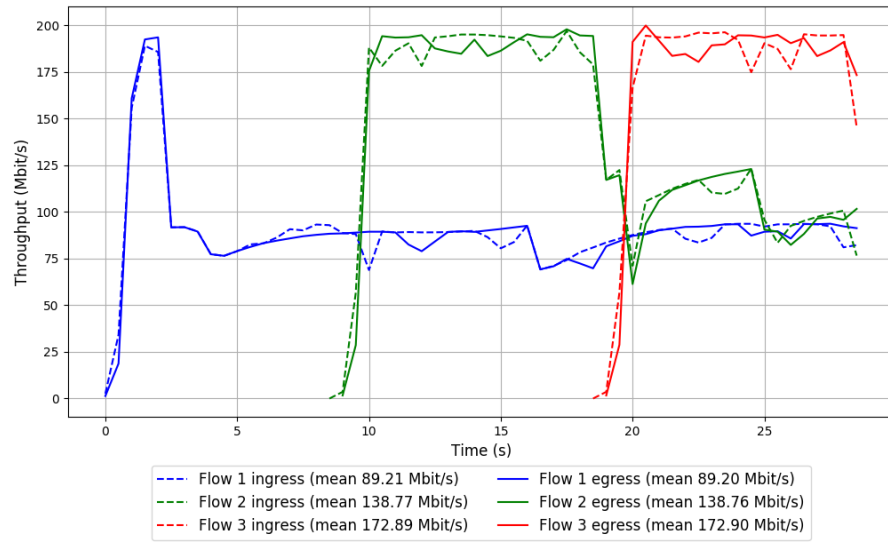
-- Flow 3:

Average throughput: 172.90 Mbit/s

95th percentile per-packet one-way delay: 72.427 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-10 07:29:41

End at: 2018-01-10 07:30:11

Below is generated by plot.py at 2018-01-10 10:14:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.17 Mbit/s

95th percentile per-packet one-way delay: 72.260 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 106.15 Mbit/s

95th percentile per-packet one-way delay: 72.012 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 95.84 Mbit/s

95th percentile per-packet one-way delay: 70.539 ms

Loss rate: 0.09%

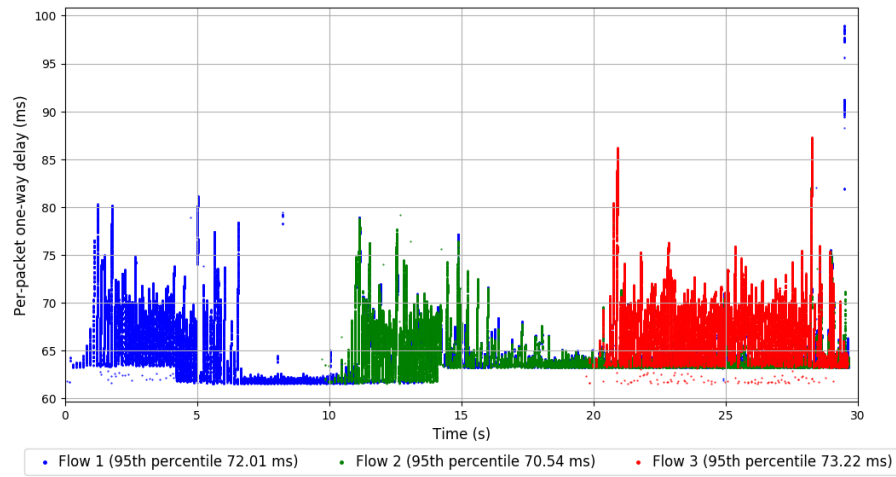
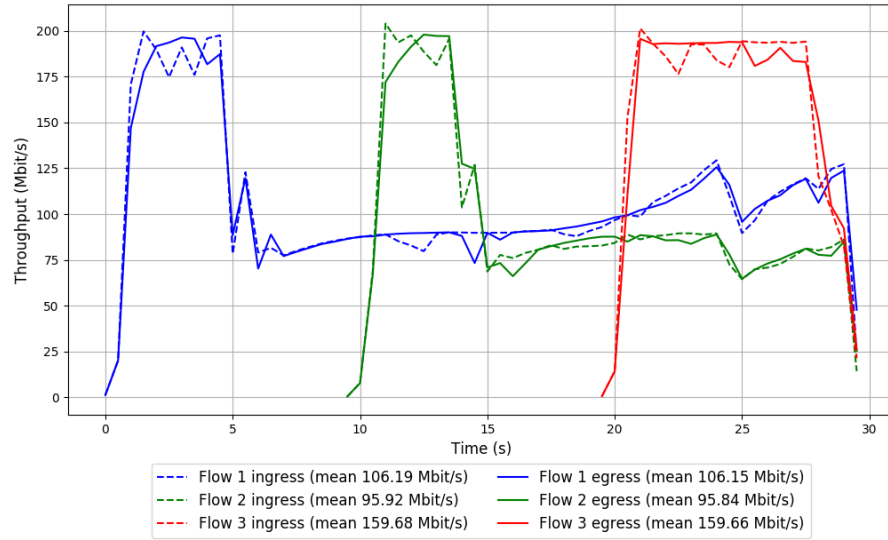
-- Flow 3:

Average throughput: 159.66 Mbit/s

95th percentile per-packet one-way delay: 73.222 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-10 07:43:32

End at: 2018-01-10 07:44:02

Below is generated by plot.py at 2018-01-10 10:15:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.11 Mbit/s

95th percentile per-packet one-way delay: 73.455 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 82.64 Mbit/s

95th percentile per-packet one-way delay: 72.832 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 115.41 Mbit/s

95th percentile per-packet one-way delay: 74.182 ms

Loss rate: 0.52%

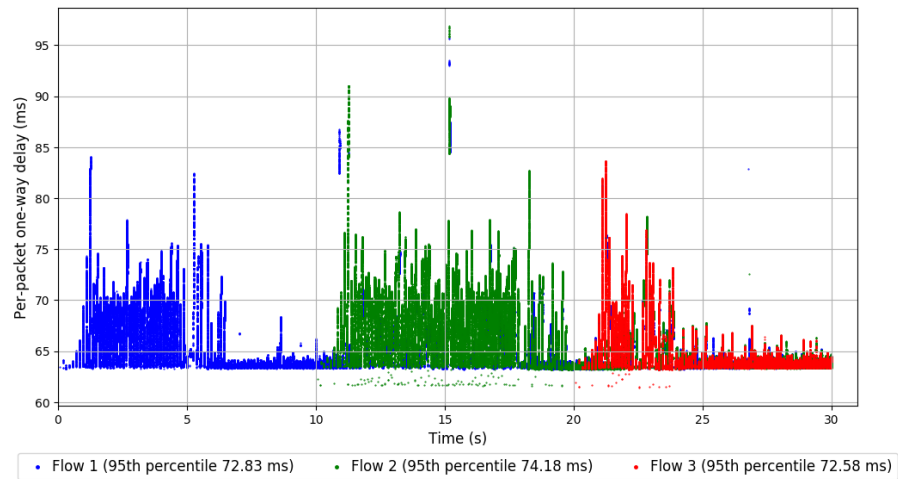
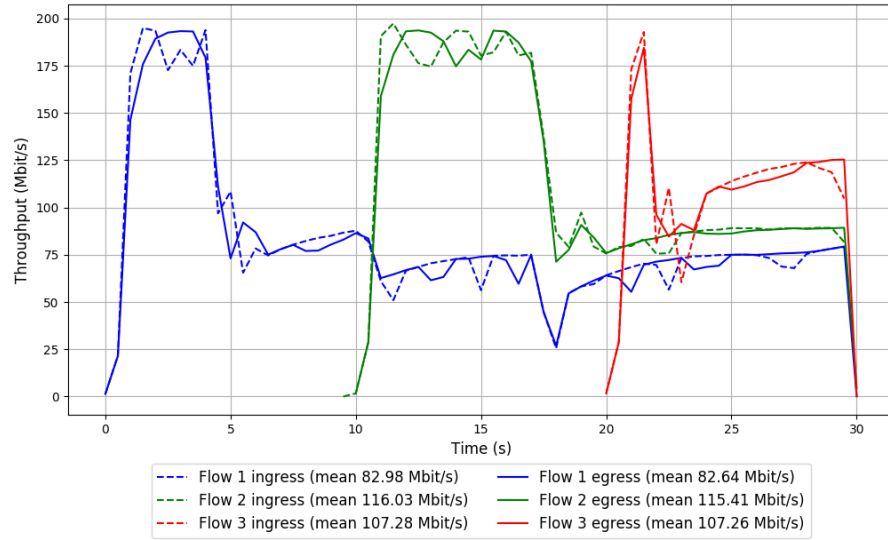
-- Flow 3:

Average throughput: 107.26 Mbit/s

95th percentile per-packet one-way delay: 72.579 ms

Loss rate: 0.01%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-10 07:58:02

End at: 2018-01-10 07:58:32

Below is generated by plot.py at 2018-01-10 10:17:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.34 Mbit/s

95th percentile per-packet one-way delay: 74.087 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 183.60 Mbit/s

95th percentile per-packet one-way delay: 74.543 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 79.50 Mbit/s

95th percentile per-packet one-way delay: 71.376 ms

Loss rate: 0.06%

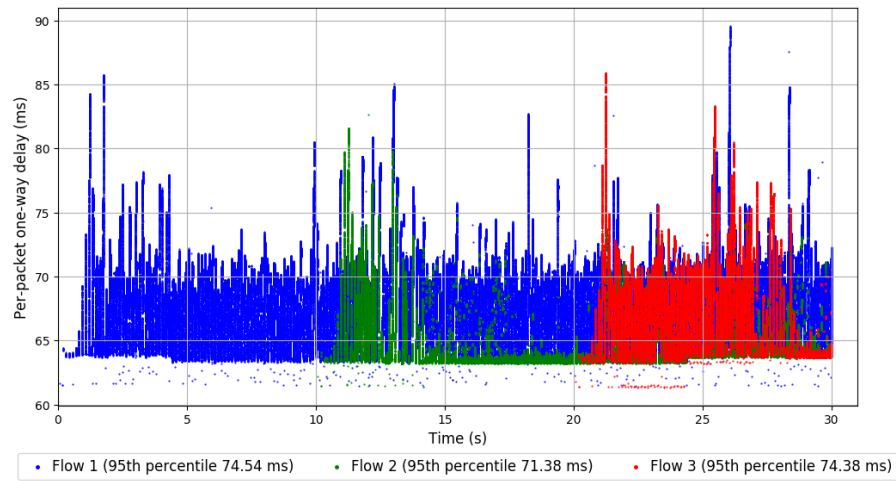
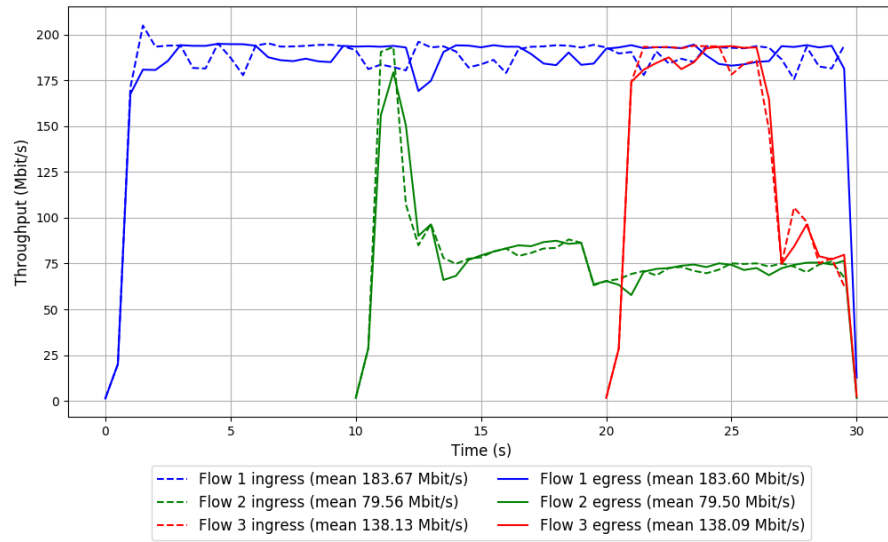
-- Flow 3:

Average throughput: 138.09 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-10 08:12:22

End at: 2018-01-10 08:12:52

Below is generated by plot.py at 2018-01-10 10:17:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.43 Mbit/s

95th percentile per-packet one-way delay: 71.729 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 120.90 Mbit/s

95th percentile per-packet one-way delay: 71.264 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 134.06 Mbit/s

95th percentile per-packet one-way delay: 72.093 ms

Loss rate: 0.00%

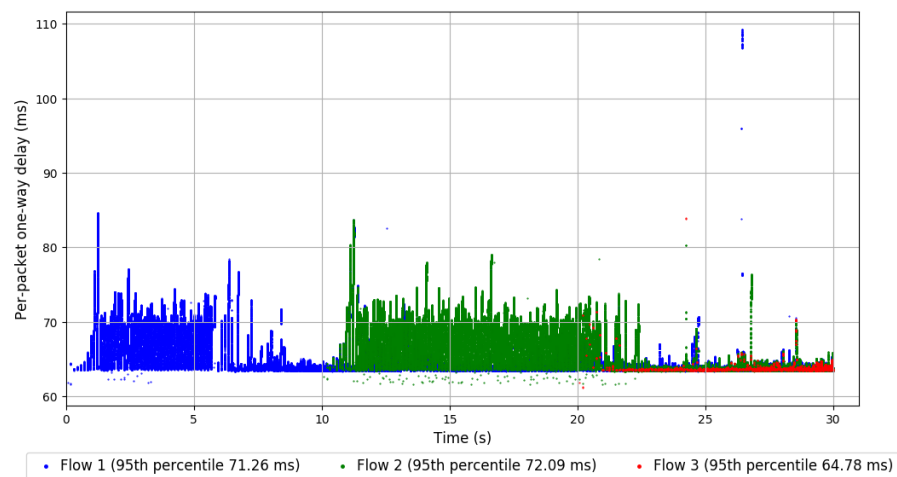
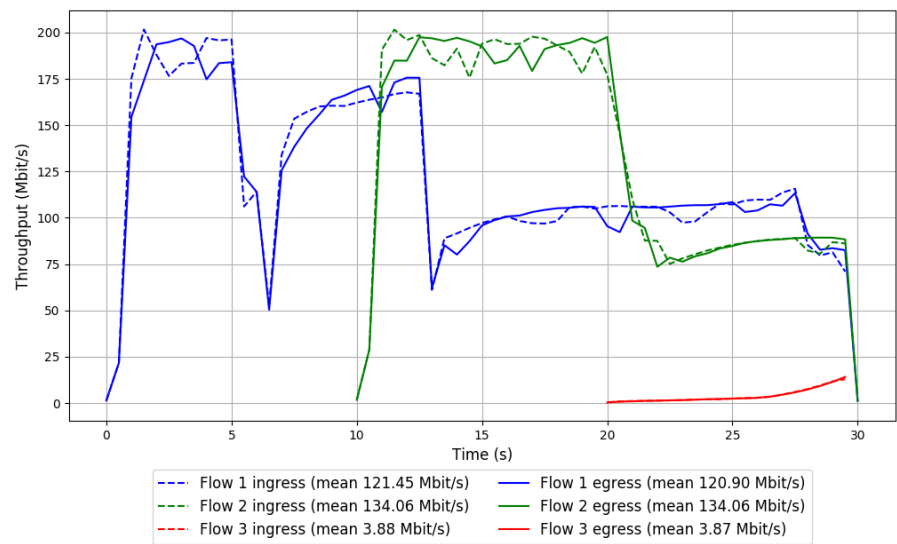
-- Flow 3:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 64.785 ms

Loss rate: 0.22%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-10 08:26:29

End at: 2018-01-10 08:26:59

Below is generated by plot.py at 2018-01-10 10:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.44 Mbit/s

95th percentile per-packet one-way delay: 75.244 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 105.20 Mbit/s

95th percentile per-packet one-way delay: 73.534 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 127.28 Mbit/s

95th percentile per-packet one-way delay: 74.136 ms

Loss rate: 0.00%

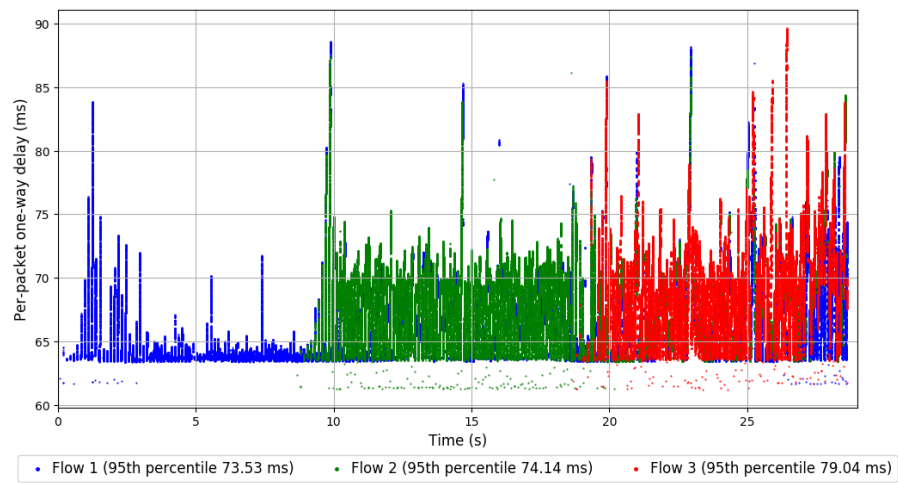
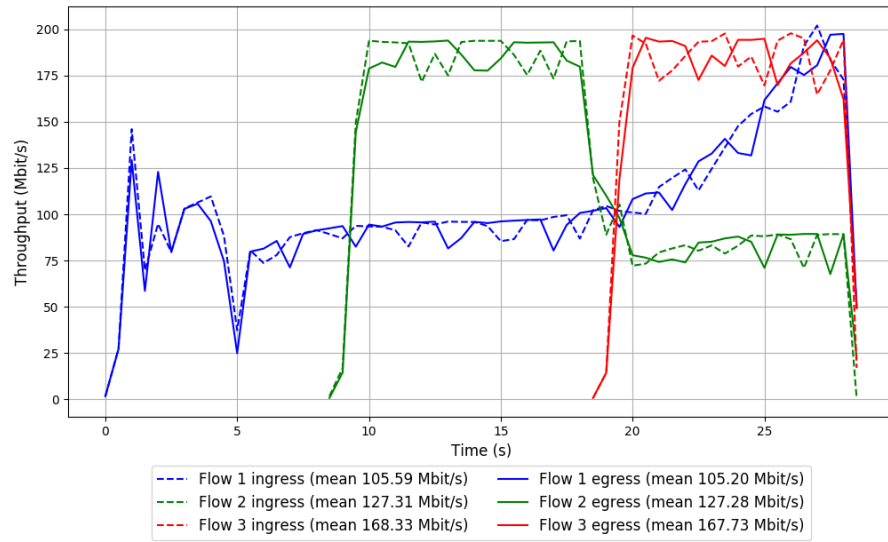
-- Flow 3:

Average throughput: 167.73 Mbit/s

95th percentile per-packet one-way delay: 79.037 ms

Loss rate: 0.36%

Run 10: Report of TCP Cubic — Data Link

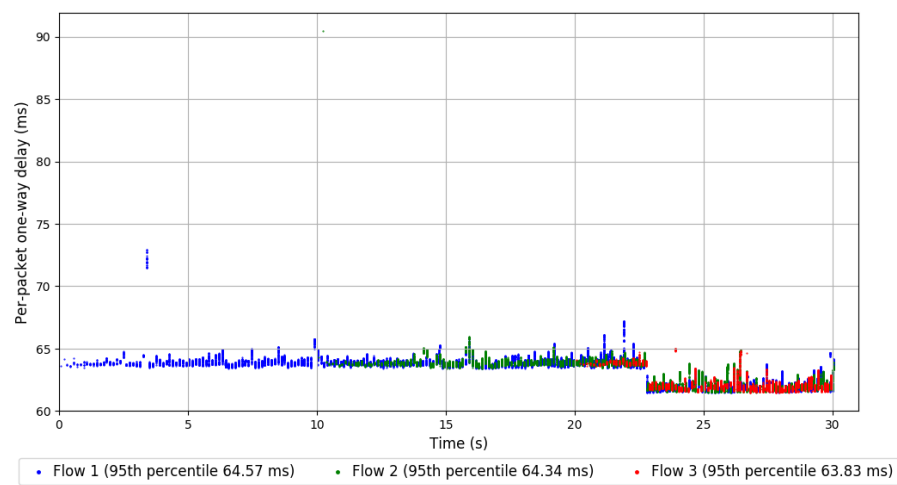
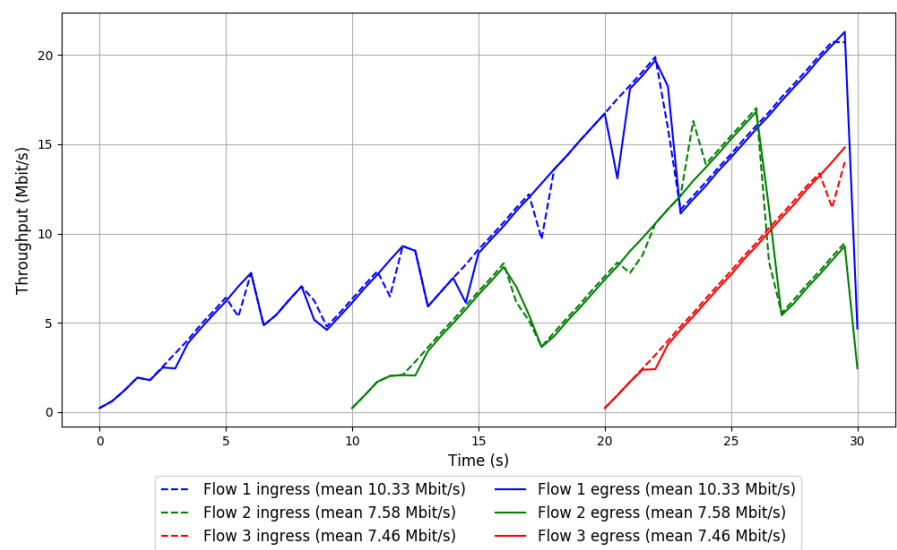


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-10 06:25:33
End at: 2018-01-10 06:26:03

# Below is generated by plot.py at 2018-01-10 10:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.83 Mbit/s
95th percentile per-packet one-way delay: 64.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 64.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 64.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 63.826 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

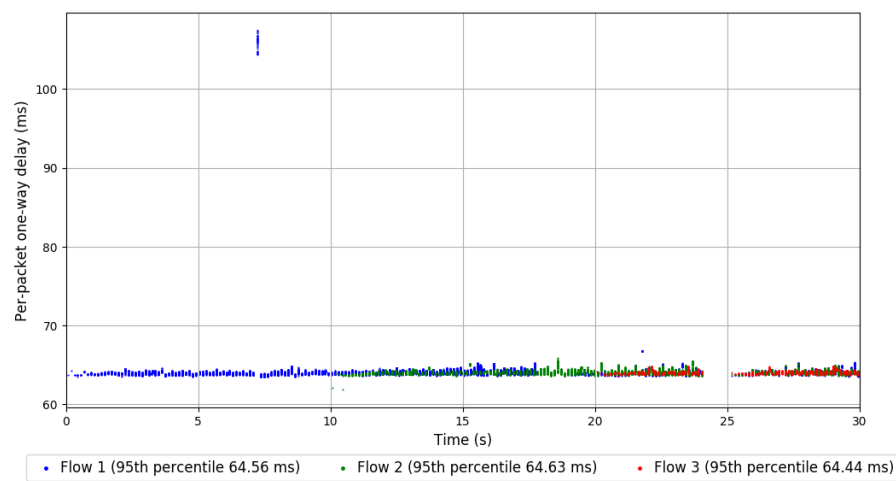
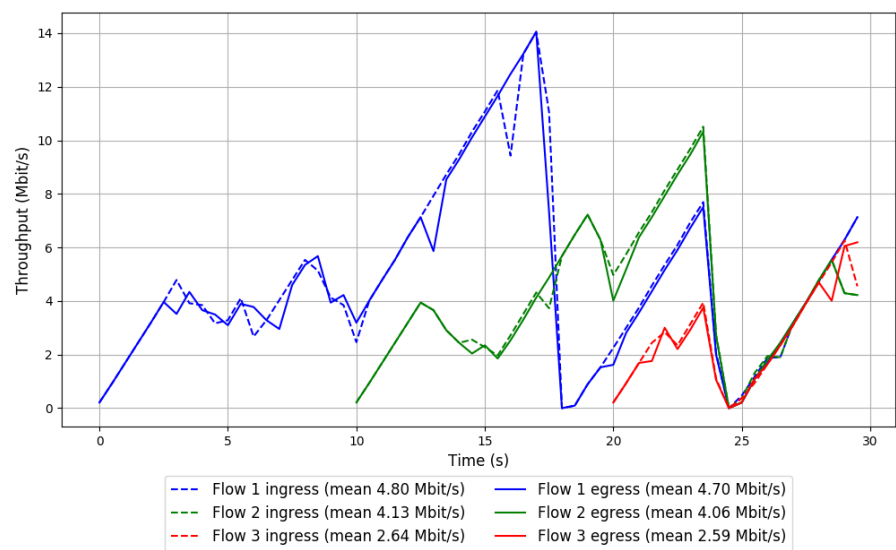


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-10 06:39:57
End at: 2018-01-10 06:40:27

# Below is generated by plot.py at 2018-01-10 10:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 64.574 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 64.560 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 64.631 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 64.437 ms
Loss rate: 2.12%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-10 06:53:55

End at: 2018-01-10 06:54:25

Below is generated by plot.py at 2018-01-10 10:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.79 Mbit/s

95th percentile per-packet one-way delay: 64.950 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 9.29 Mbit/s

95th percentile per-packet one-way delay: 64.881 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.80 Mbit/s

95th percentile per-packet one-way delay: 65.146 ms

Loss rate: 0.30%

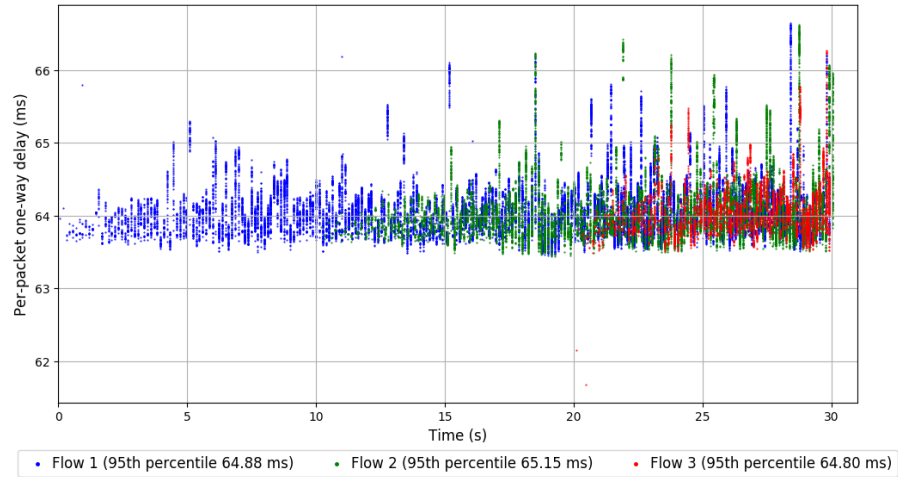
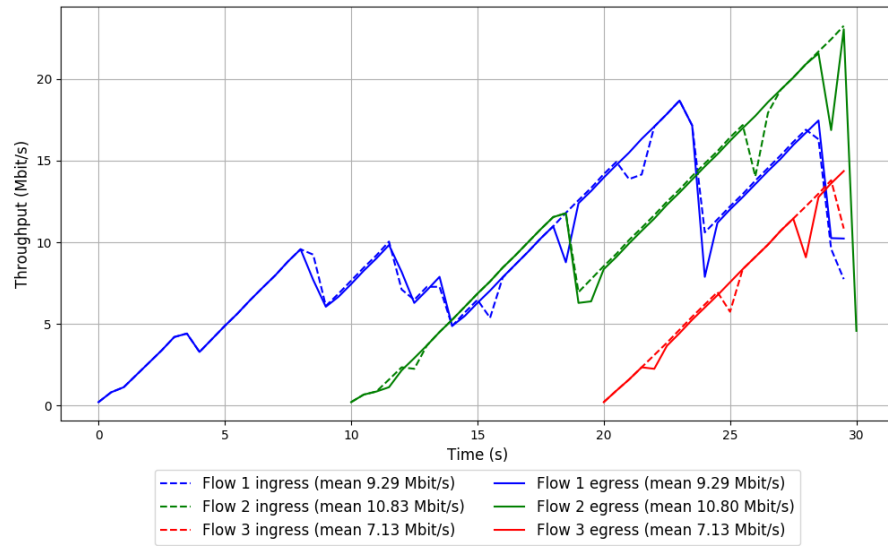
-- Flow 3:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 64.796 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-10 07:07:02

End at: 2018-01-10 07:07:32

Below is generated by plot.py at 2018-01-10 10:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.09 Mbit/s

95th percentile per-packet one-way delay: 64.046 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 10.28 Mbit/s

95th percentile per-packet one-way delay: 64.176 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 63.847 ms

Loss rate: 0.00%

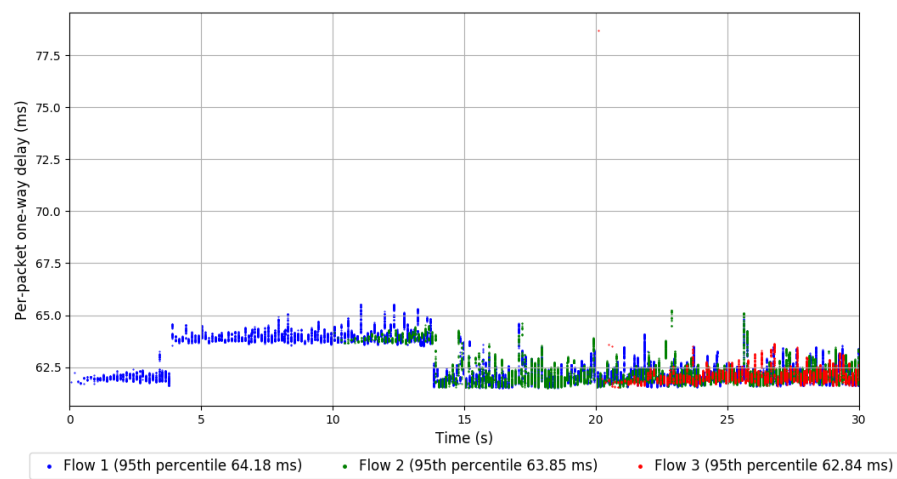
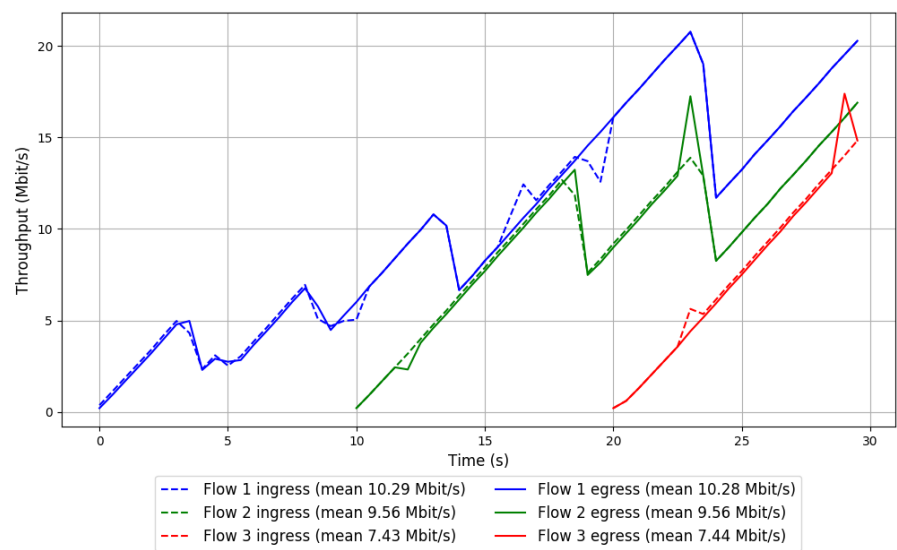
-- Flow 3:

Average throughput: 7.44 Mbit/s

95th percentile per-packet one-way delay: 62.845 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-10 07:21:08

End at: 2018-01-10 07:21:38

Below is generated by plot.py at 2018-01-10 10:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.46 Mbit/s

95th percentile per-packet one-way delay: 65.222 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 14.41 Mbit/s

95th percentile per-packet one-way delay: 65.169 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 64.842 ms

Loss rate: 0.66%

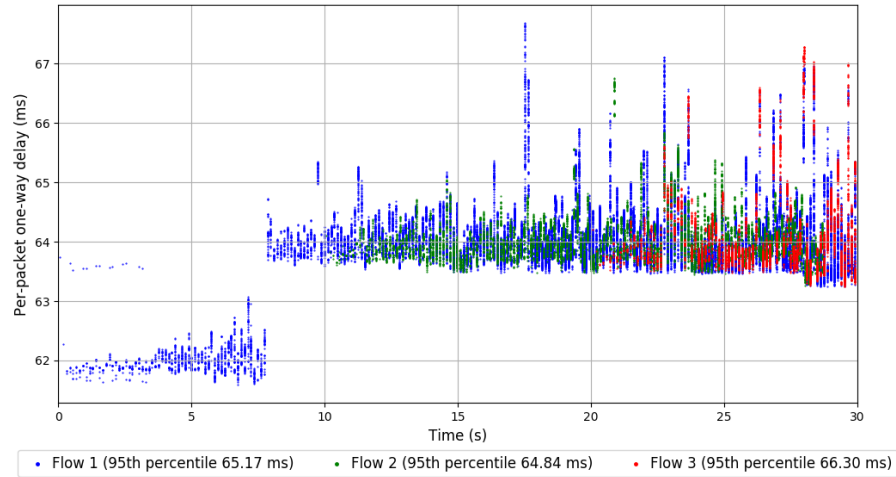
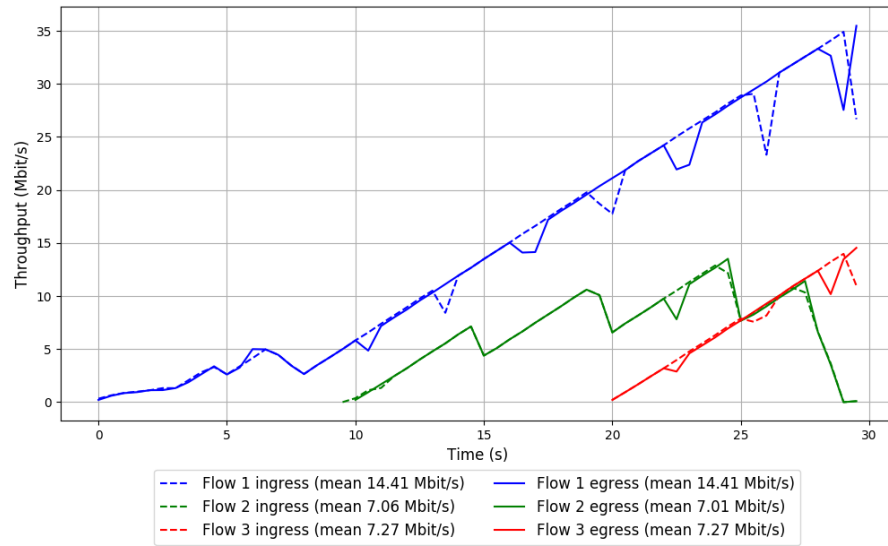
-- Flow 3:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 66.304 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-10 07:34:59

End at: 2018-01-10 07:35:29

Below is generated by plot.py at 2018-01-10 10:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 64.723 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 11.51 Mbit/s

95th percentile per-packet one-way delay: 64.718 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.72 Mbit/s

95th percentile per-packet one-way delay: 64.811 ms

Loss rate: 0.00%

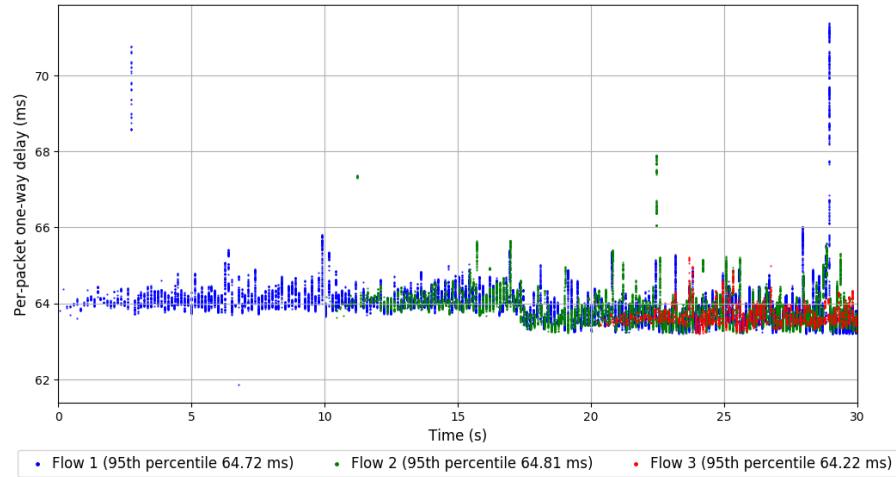
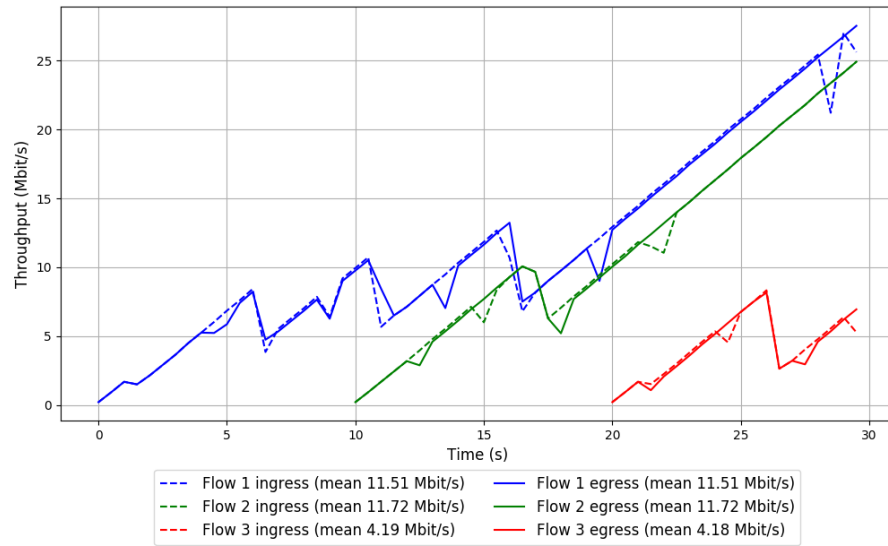
-- Flow 3:

Average throughput: 4.18 Mbit/s

95th percentile per-packet one-way delay: 64.223 ms

Loss rate: 0.20%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-10 07:49:20

End at: 2018-01-10 07:49:50

Below is generated by plot.py at 2018-01-10 10:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.49 Mbit/s

95th percentile per-packet one-way delay: 64.441 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 64.494 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.452 ms

Loss rate: 0.04%

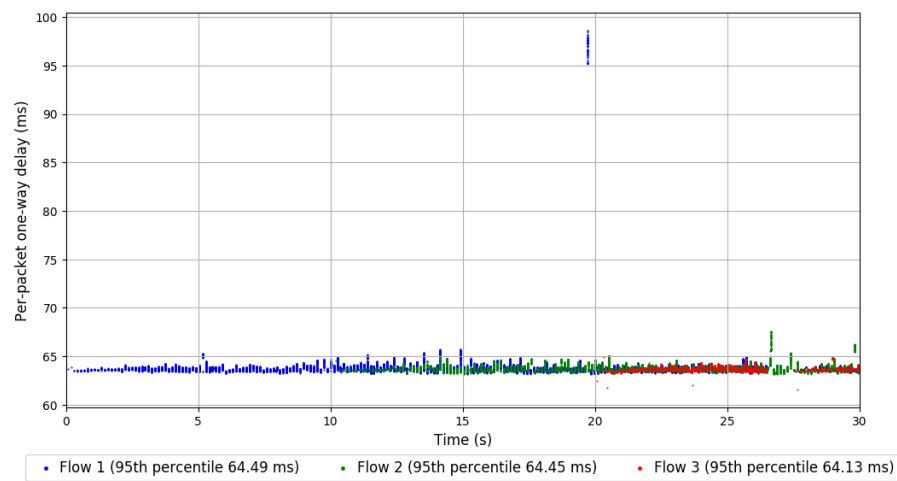
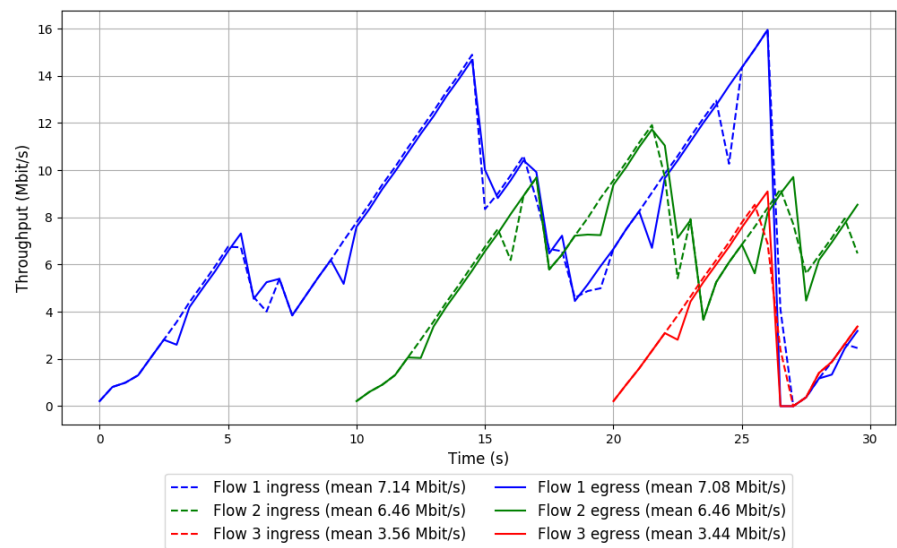
-- Flow 3:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 64.127 ms

Loss rate: 3.39%

Run 7: Report of LEDBAT — Data Link

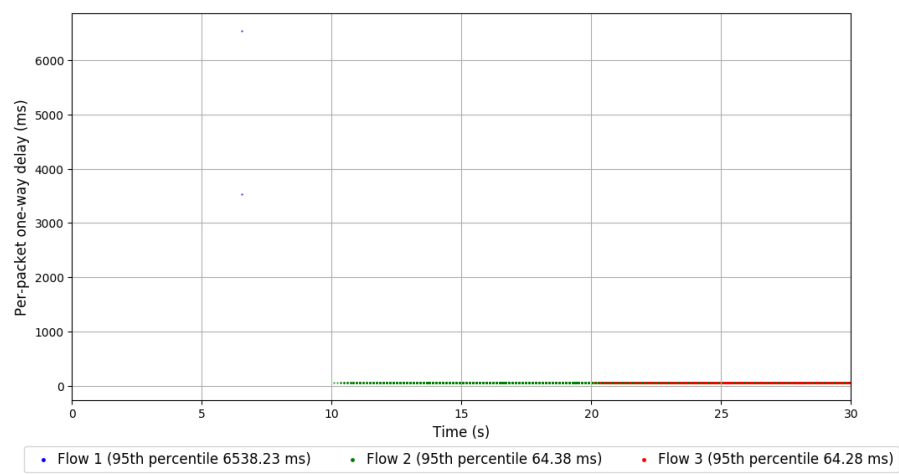
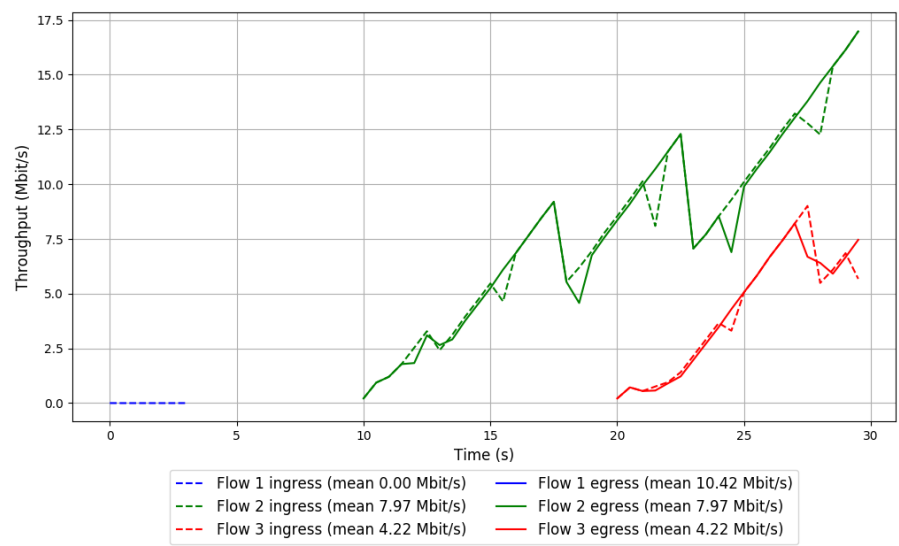


Run 8: Statistics of LEDBAT

Start at: 2018-01-10 08:03:51

End at: 2018-01-10 08:04:21

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-10 08:17:55

End at: 2018-01-10 08:18:25

Below is generated by plot.py at 2018-01-10 10:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 65.361 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.64 Mbit/s

95th percentile per-packet one-way delay: 65.463 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.51 Mbit/s

95th percentile per-packet one-way delay: 65.347 ms

Loss rate: 0.00%

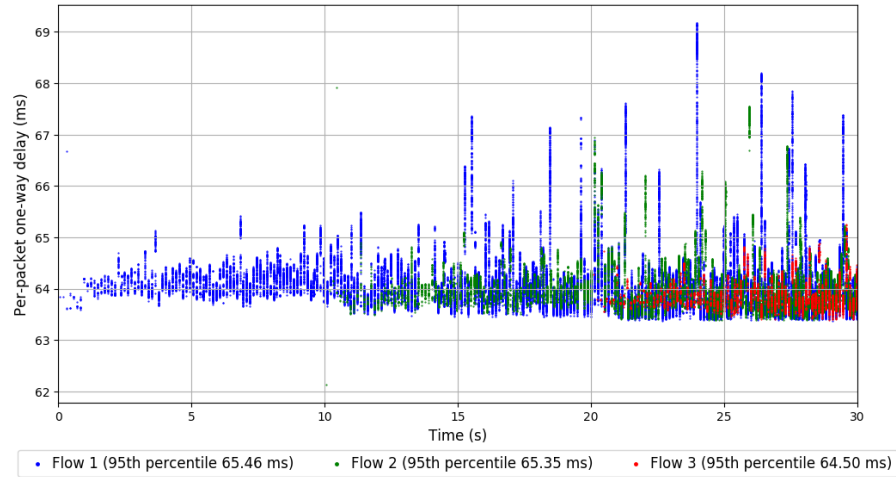
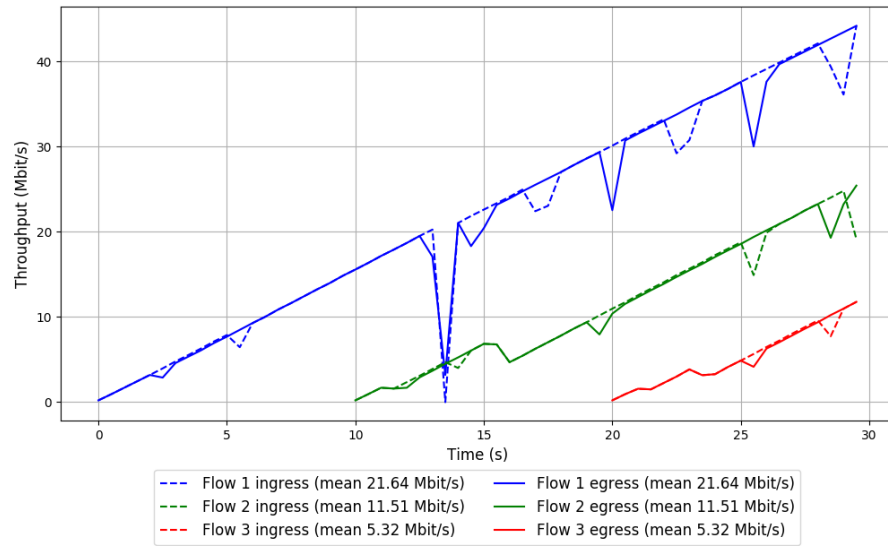
-- Flow 3:

Average throughput: 5.32 Mbit/s

95th percentile per-packet one-way delay: 64.504 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

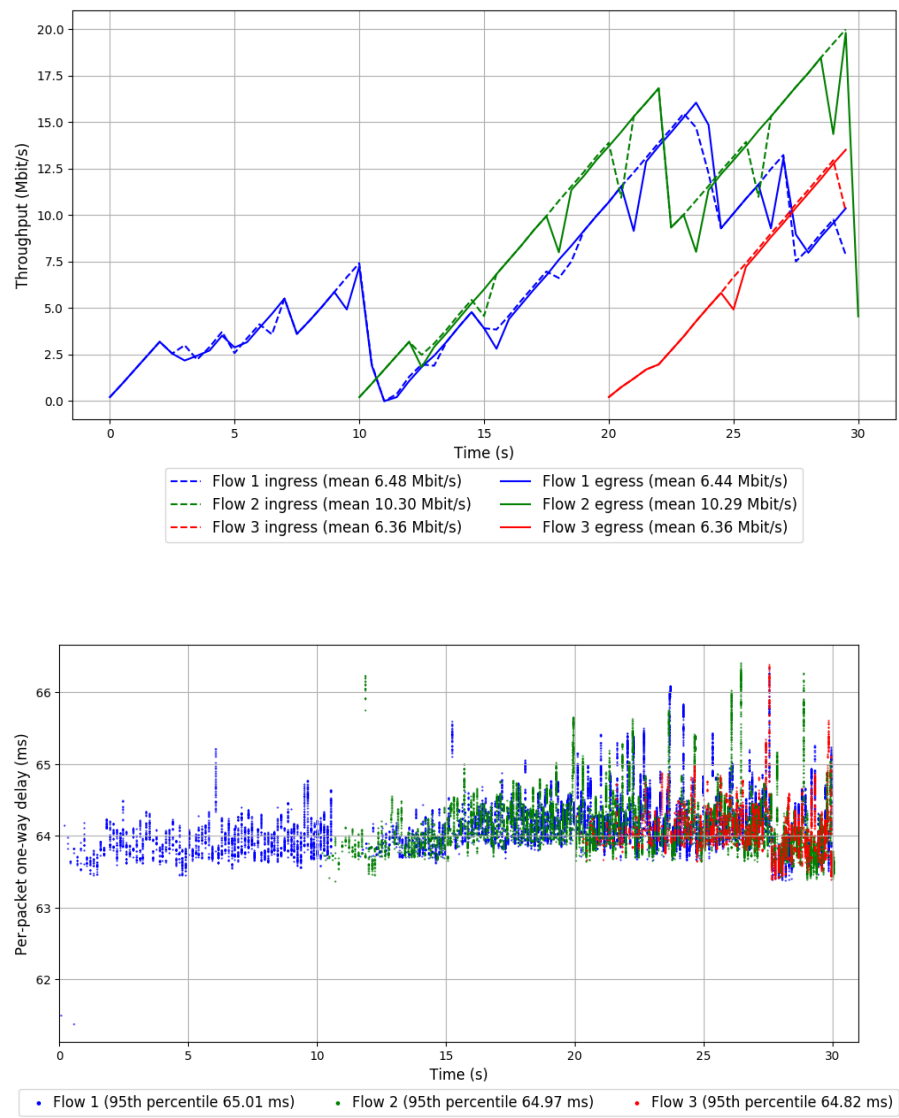


```
Run 10: Statistics of LEDBAT

Start at: 2018-01-10 08:32:01
End at: 2018-01-10 08:32:31

# Below is generated by plot.py at 2018-01-10 10:17:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.37 Mbit/s
95th percentile per-packet one-way delay: 64.975 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 65.006 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 10.29 Mbit/s
95th percentile per-packet one-way delay: 64.974 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 64.819 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

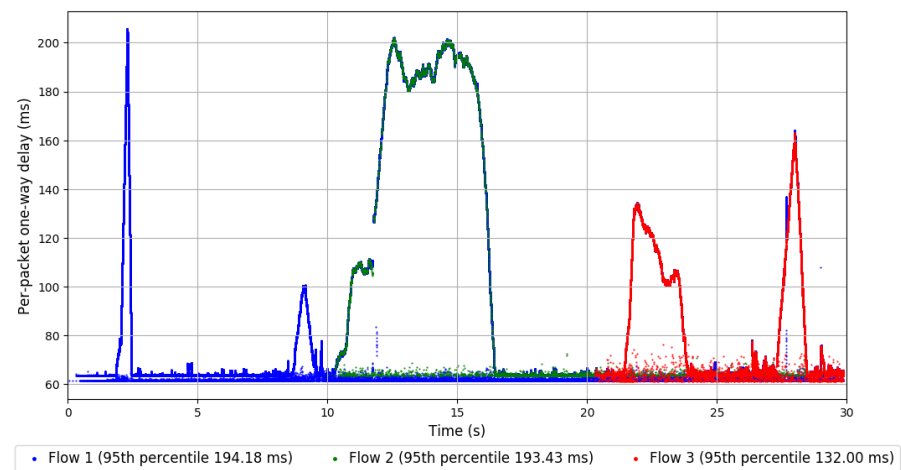
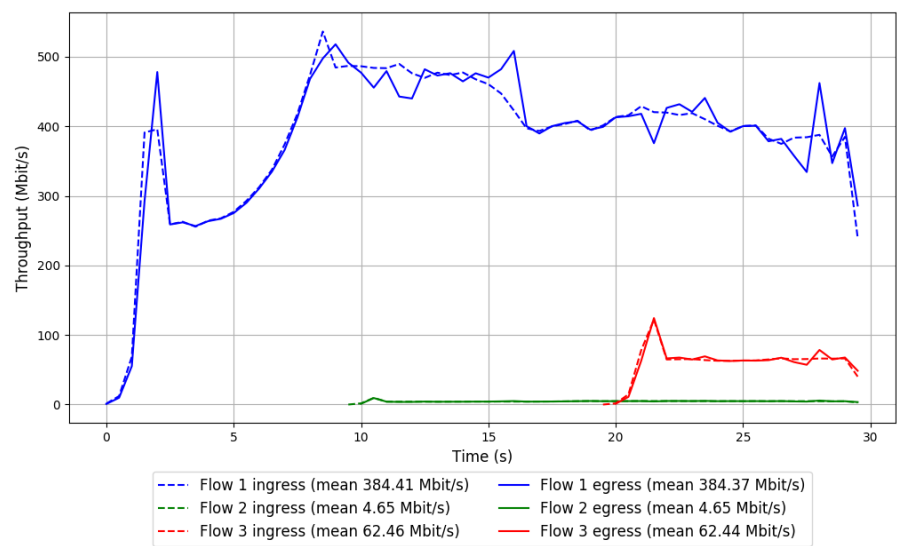


```
Run 1: Statistics of PCC

Start at: 2018-01-10 06:24:35
End at: 2018-01-10 06:25:05

# Below is generated by plot.py at 2018-01-10 10:21:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 408.05 Mbit/s
95th percentile per-packet one-way delay: 194.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 384.37 Mbit/s
95th percentile per-packet one-way delay: 194.180 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 193.425 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 132.003 ms
Loss rate: 0.01%
```

Run 1: Report of PCC — Data Link

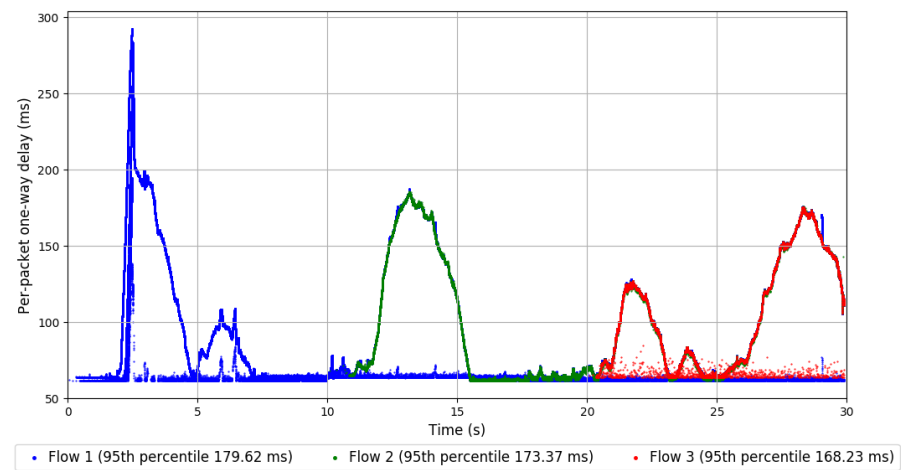
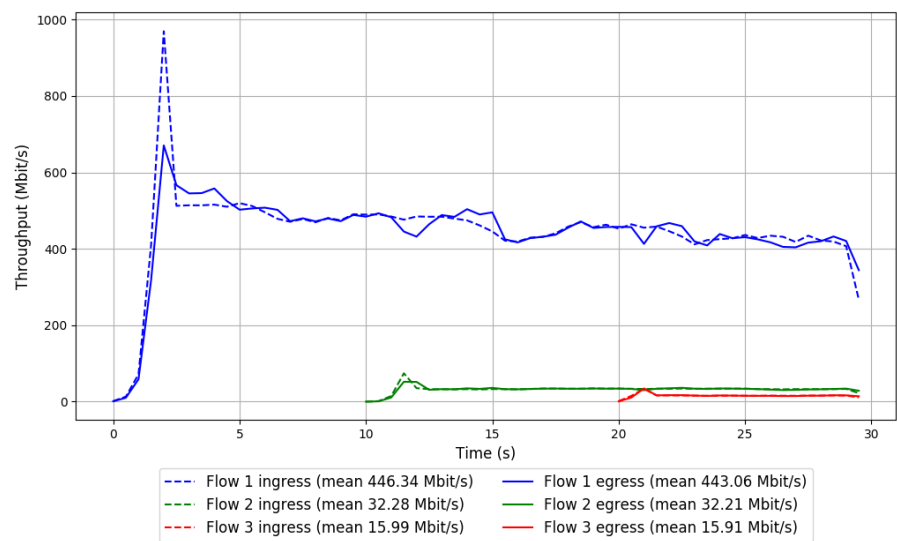


```
Run 2: Statistics of PCC

Start at: 2018-01-10 06:38:58
End at: 2018-01-10 06:39:28

# Below is generated by plot.py at 2018-01-10 10:21:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 469.69 Mbit/s
95th percentile per-packet one-way delay: 178.484 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 443.06 Mbit/s
95th percentile per-packet one-way delay: 179.620 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 173.367 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 168.229 ms
Loss rate: 0.50%
```

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-10 06:52:54

End at: 2018-01-10 06:53:24

Below is generated by plot.py at 2018-01-10 10:21:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 474.94 Mbit/s

95th percentile per-packet one-way delay: 206.730 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 463.36 Mbit/s

95th percentile per-packet one-way delay: 207.006 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 15.27 Mbit/s

95th percentile per-packet one-way delay: 187.899 ms

Loss rate: 0.01%

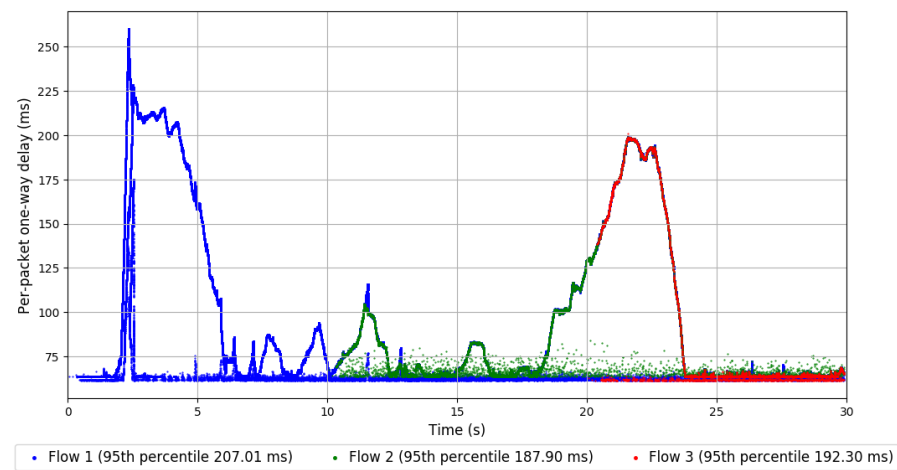
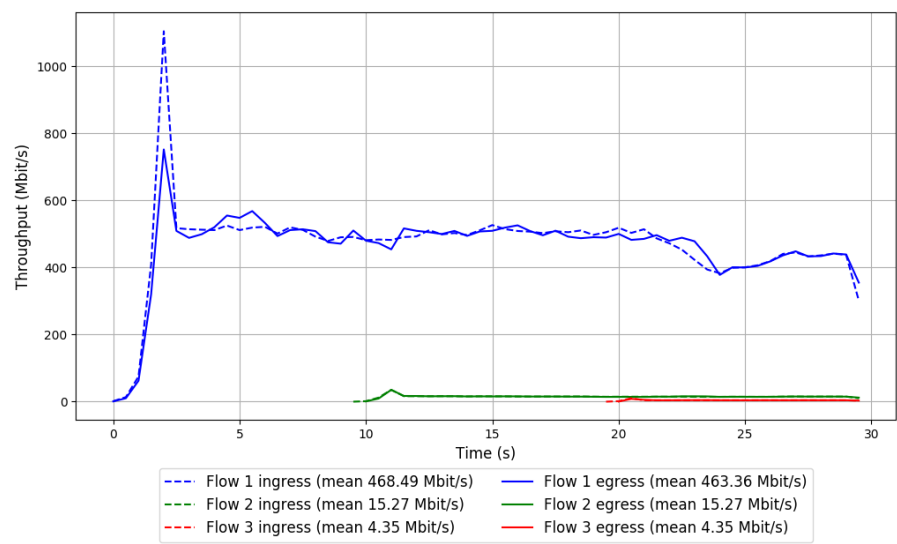
-- Flow 3:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 192.301 ms

Loss rate: 0.03%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-10 07:06:03

End at: 2018-01-10 07:06:33

Below is generated by plot.py at 2018-01-10 10:22:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 460.73 Mbit/s

95th percentile per-packet one-way delay: 226.276 ms

Loss rate: 4.65%

-- Flow 1:

Average throughput: 458.74 Mbit/s

95th percentile per-packet one-way delay: 226.287 ms

Loss rate: 4.65%

-- Flow 2:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 224.993 ms

Loss rate: 5.57%

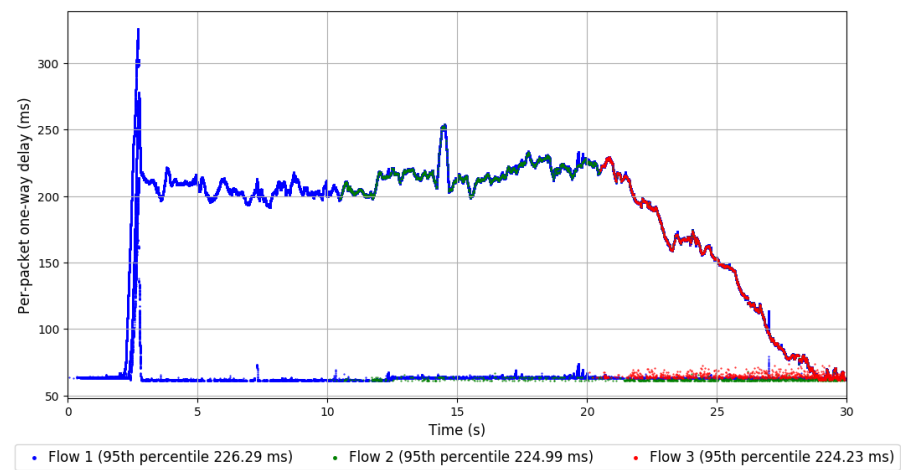
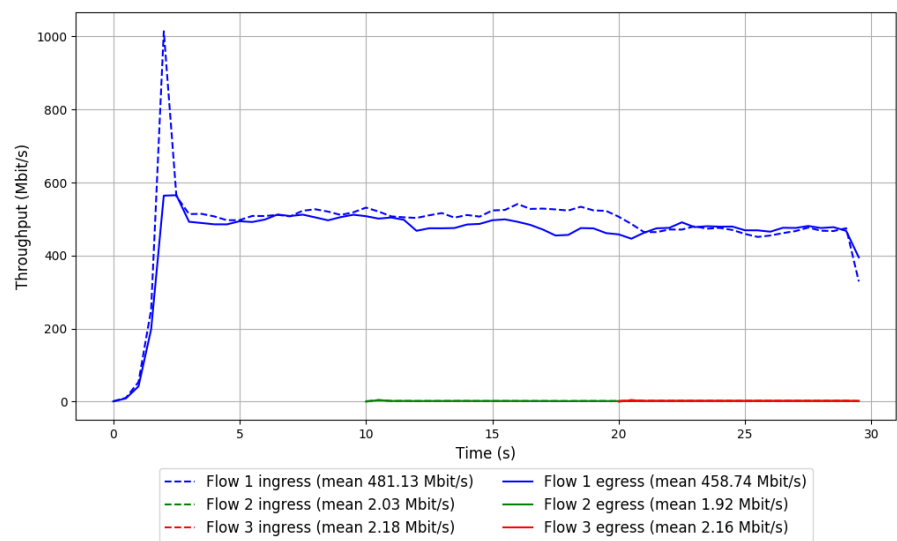
-- Flow 3:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 224.234 ms

Loss rate: 1.06%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-10 07:20:08

End at: 2018-01-10 07:20:38

Below is generated by plot.py at 2018-01-10 10:23:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 482.91 Mbit/s

95th percentile per-packet one-way delay: 209.983 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 442.87 Mbit/s

95th percentile per-packet one-way delay: 209.933 ms

Loss rate: 1.36%

-- Flow 2:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 210.643 ms

Loss rate: 1.08%

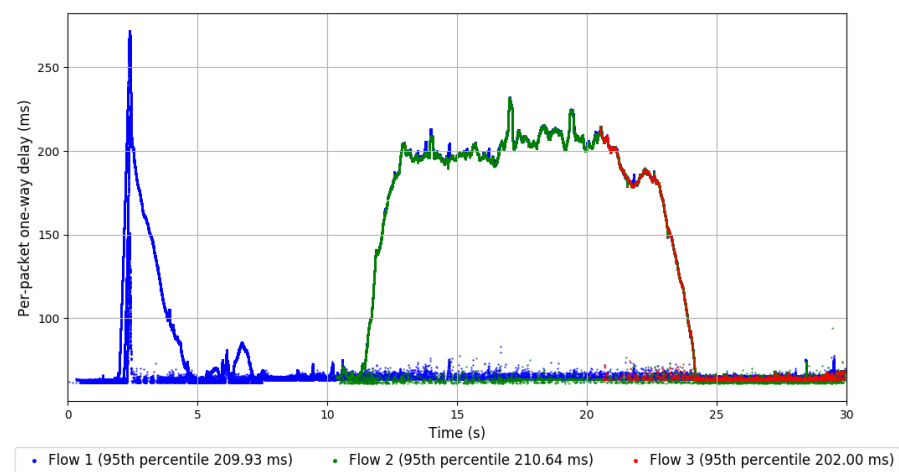
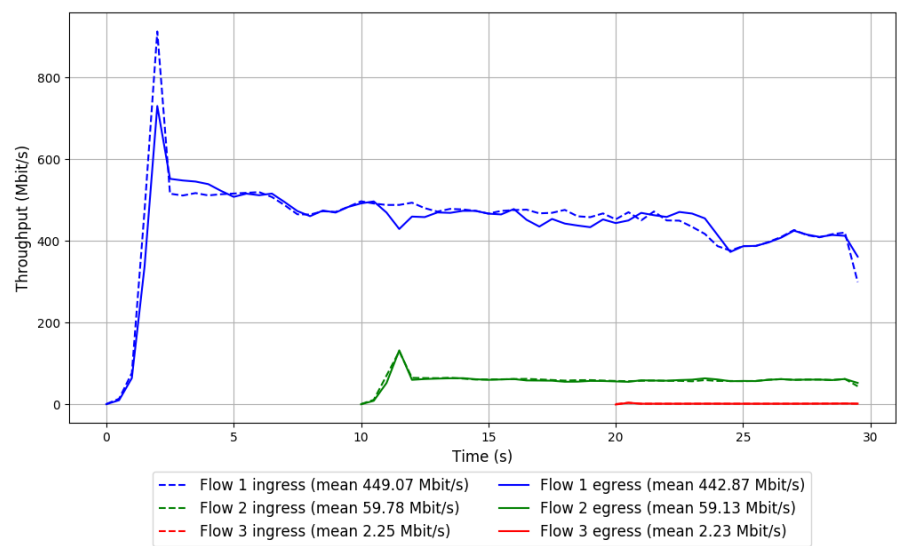
-- Flow 3:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 202.000 ms

Loss rate: 0.60%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-10 07:34:01

End at: 2018-01-10 07:34:31

Below is generated by plot.py at 2018-01-10 10:23:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 410.25 Mbit/s

95th percentile per-packet one-way delay: 213.385 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 256.40 Mbit/s

95th percentile per-packet one-way delay: 212.143 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 230.34 Mbit/s

95th percentile per-packet one-way delay: 214.439 ms

Loss rate: 1.72%

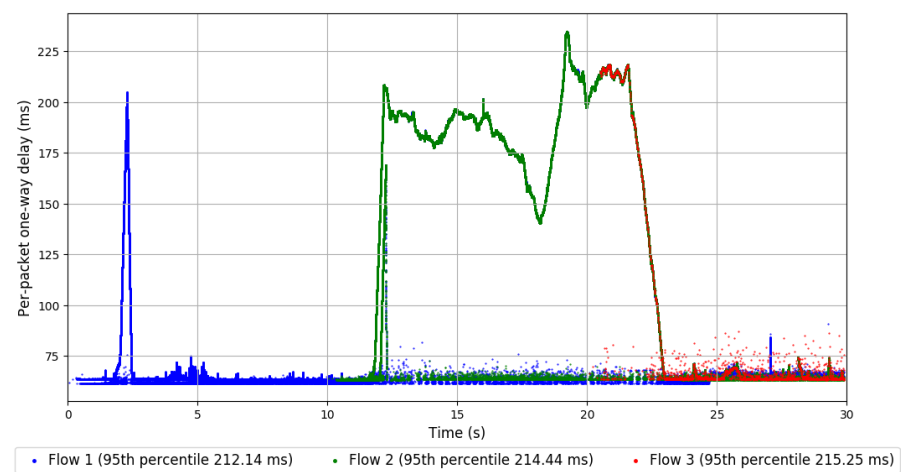
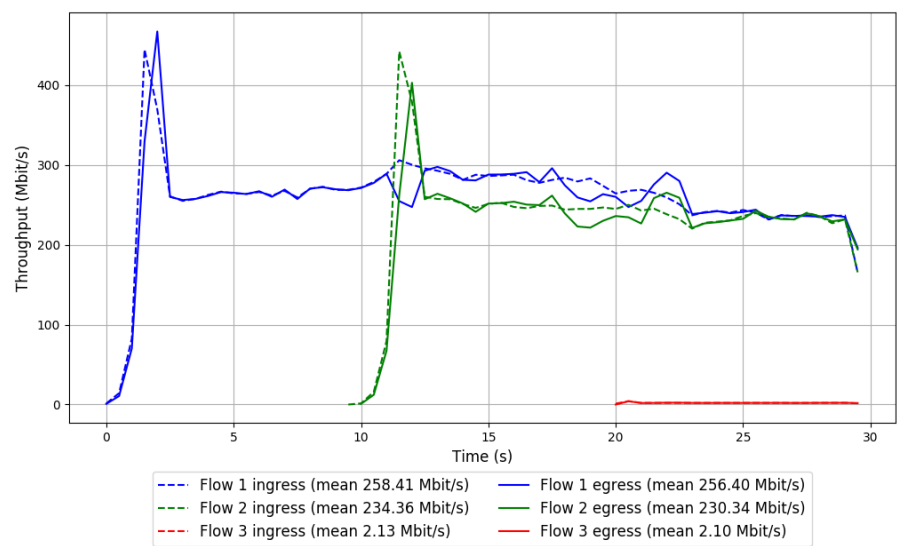
-- Flow 3:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 215.254 ms

Loss rate: 1.55%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-10 07:48:18

End at: 2018-01-10 07:48:48

Below is generated by plot.py at 2018-01-10 10:24:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.12 Mbit/s

95th percentile per-packet one-way delay: 175.875 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 466.51 Mbit/s

95th percentile per-packet one-way delay: 175.920 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 16.38 Mbit/s

95th percentile per-packet one-way delay: 172.337 ms

Loss rate: 0.00%

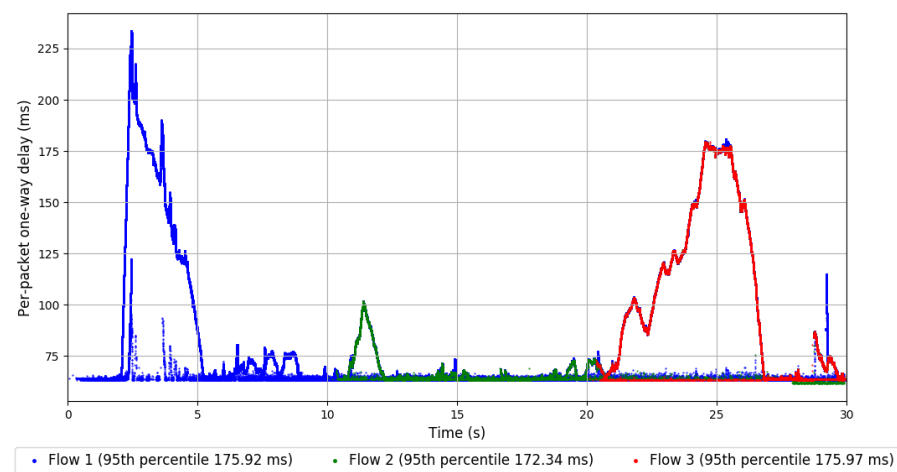
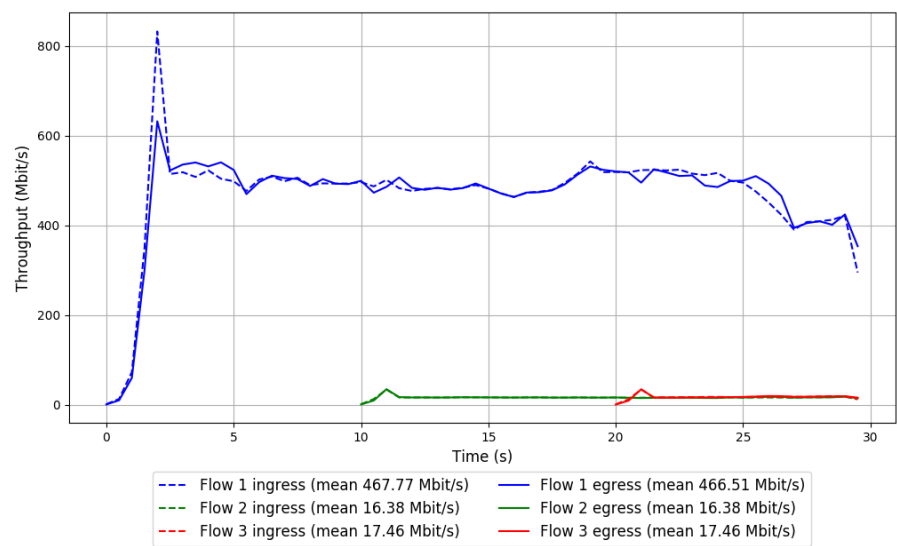
-- Flow 3:

Average throughput: 17.46 Mbit/s

95th percentile per-packet one-way delay: 175.971 ms

Loss rate: 0.01%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-10 08:02:49

End at: 2018-01-10 08:03:19

Below is generated by plot.py at 2018-01-10 10:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 482.55 Mbit/s

95th percentile per-packet one-way delay: 196.731 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 410.83 Mbit/s

95th percentile per-packet one-way delay: 196.151 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 78.51 Mbit/s

95th percentile per-packet one-way delay: 197.575 ms

Loss rate: 0.87%

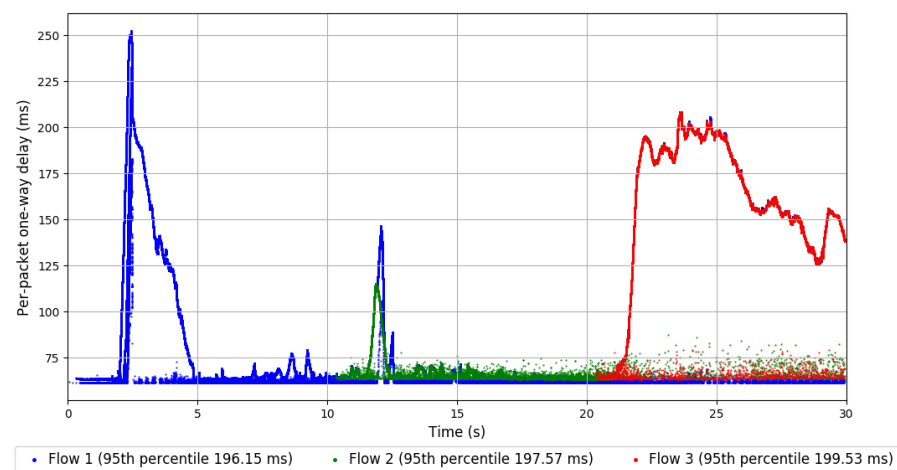
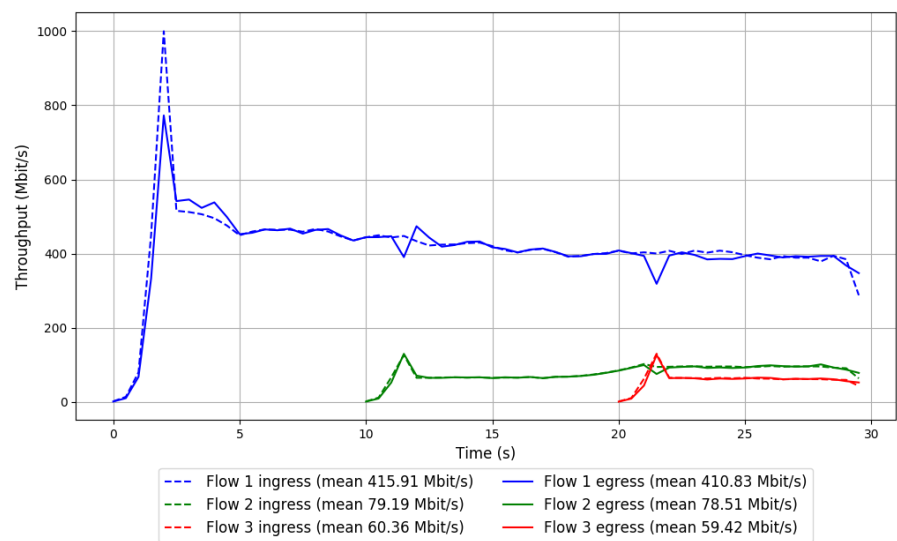
-- Flow 3:

Average throughput: 59.42 Mbit/s

95th percentile per-packet one-way delay: 199.534 ms

Loss rate: 1.58%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-10 08:16:53

End at: 2018-01-10 08:17:23

Below is generated by plot.py at 2018-01-10 10:29:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 491.40 Mbit/s

95th percentile per-packet one-way delay: 204.829 ms

Loss rate: 2.15%

-- Flow 1:

Average throughput: 469.87 Mbit/s

95th percentile per-packet one-way delay: 204.587 ms

Loss rate: 2.09%

-- Flow 2:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 204.458 ms

Loss rate: 2.27%

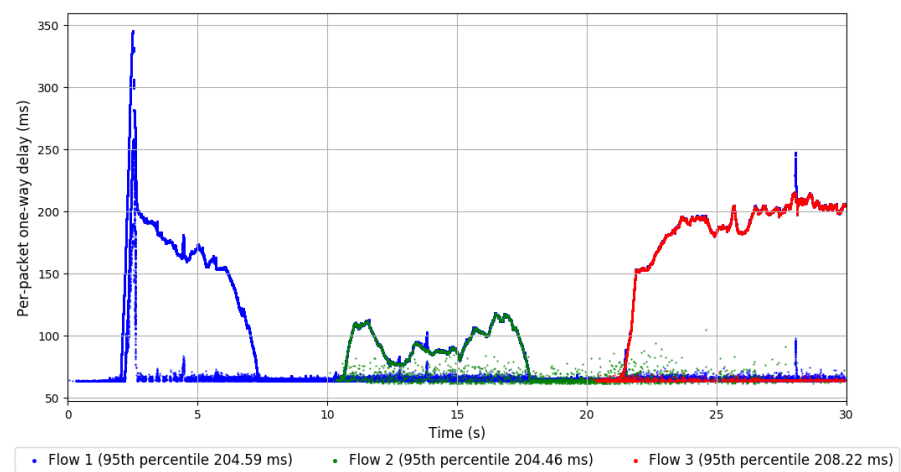
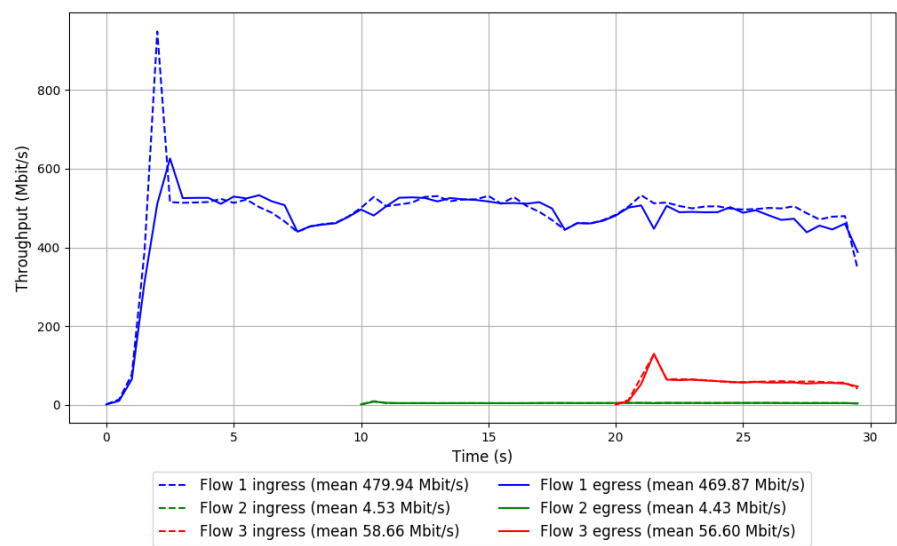
-- Flow 3:

Average throughput: 56.60 Mbit/s

95th percentile per-packet one-way delay: 208.221 ms

Loss rate: 3.51%

Run 9: Report of PCC — Data Link

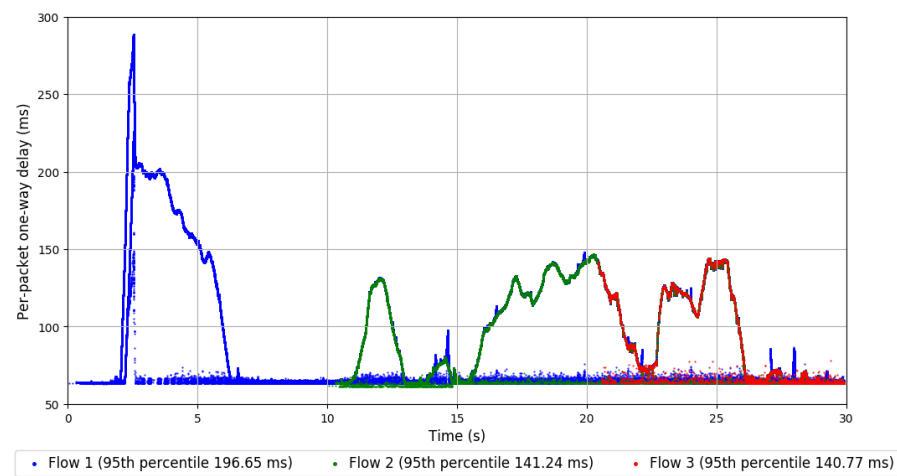
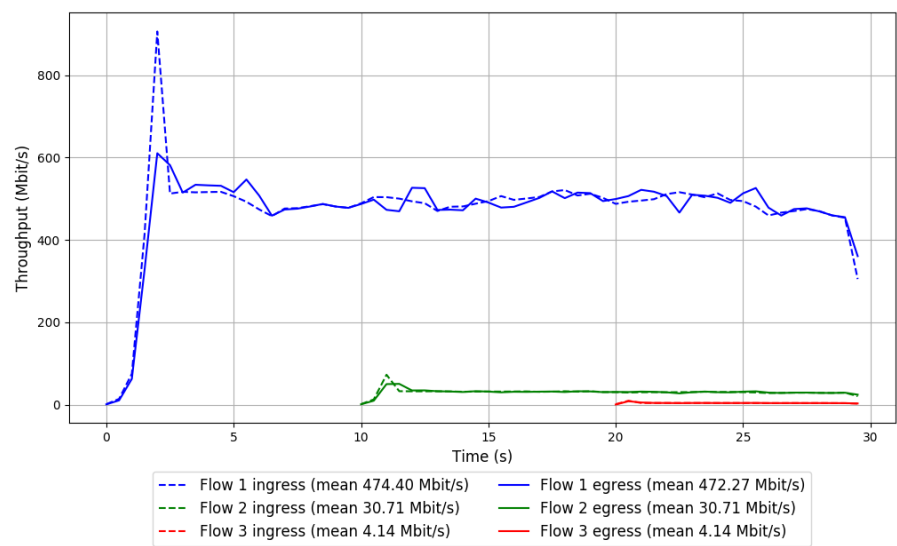


```
Run 10: Statistics of PCC

Start at: 2018-01-10 08:31:01
End at: 2018-01-10 08:31:31

# Below is generated by plot.py at 2018-01-10 10:29:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 494.05 Mbit/s
95th percentile per-packet one-way delay: 195.977 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 472.27 Mbit/s
95th percentile per-packet one-way delay: 196.652 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 141.239 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 140.774 ms
Loss rate: 0.00%
```

Run 10: Report of PCC — Data Link

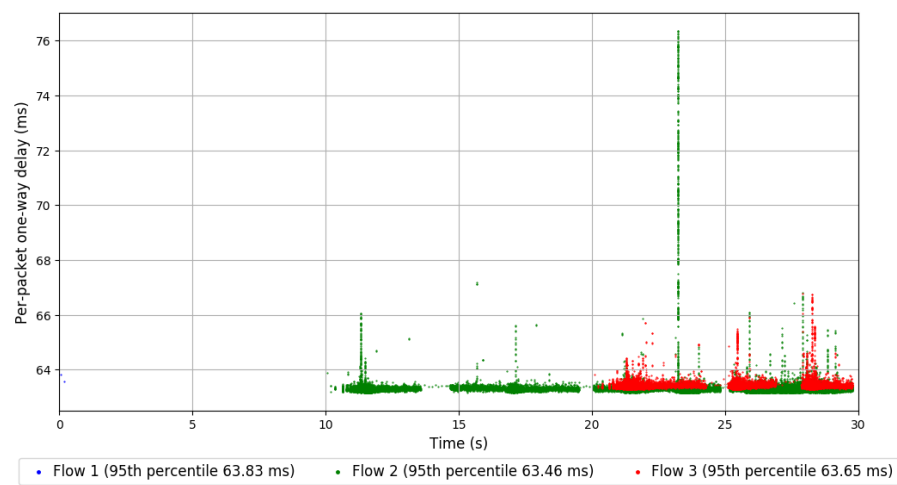
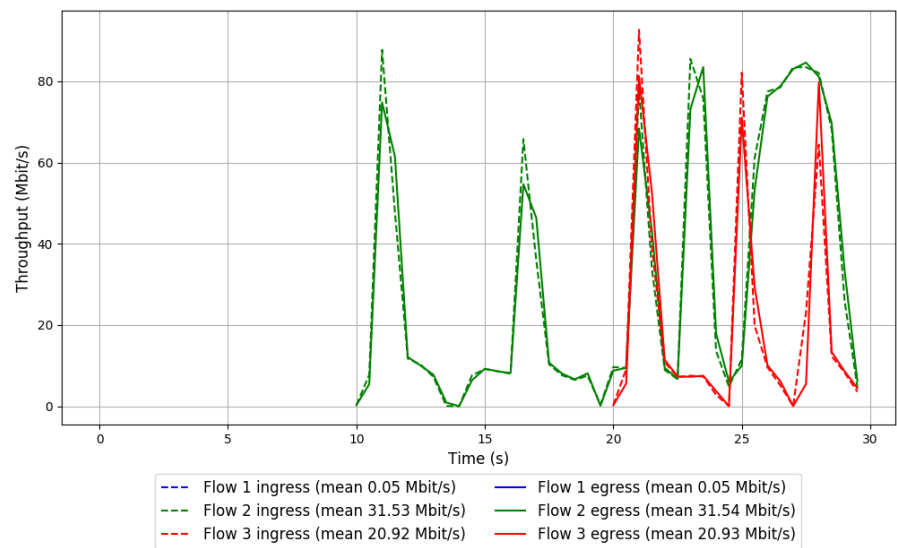


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-10 06:17:46
End at: 2018-01-10 06:18:16

# Below is generated by plot.py at 2018-01-10 10:29:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 63.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.825 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 63.457 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 63.651 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-10 06:32:05

End at: 2018-01-10 06:32:35

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.75 Mbit/s

95th percentile per-packet one-way delay: 63.697 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.83 Mbit/s

95th percentile per-packet one-way delay: 63.740 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.65 Mbit/s

95th percentile per-packet one-way delay: 63.448 ms

Loss rate: 0.00%

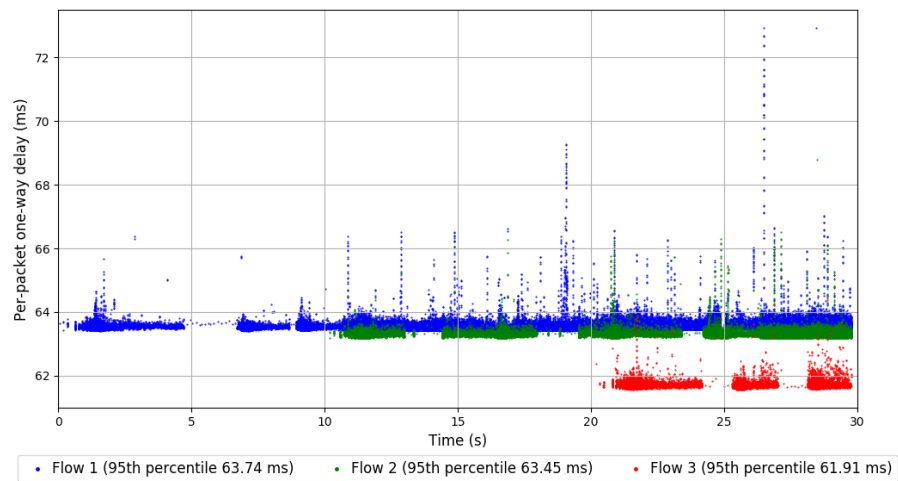
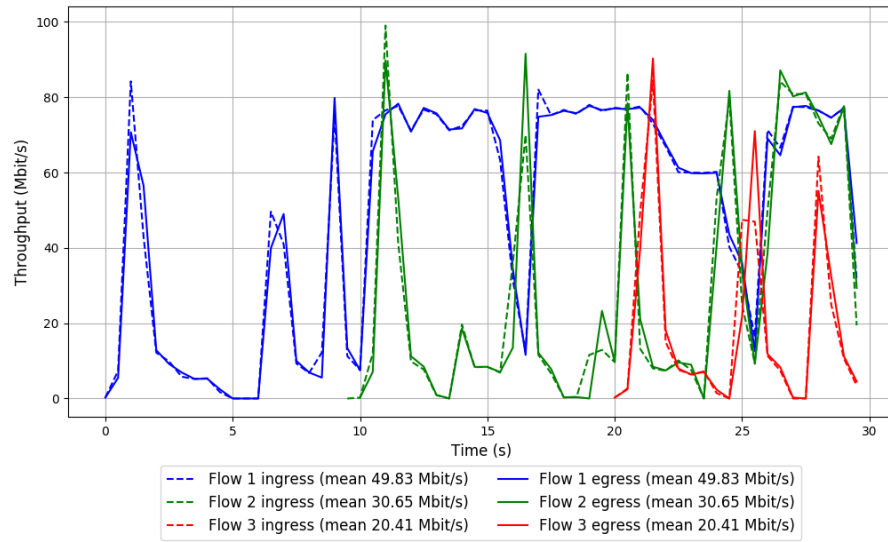
-- Flow 3:

Average throughput: 20.41 Mbit/s

95th percentile per-packet one-way delay: 61.908 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-10 06:46:18

End at: 2018-01-10 06:46:48

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.79 Mbit/s

95th percentile per-packet one-way delay: 63.713 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.90 Mbit/s

95th percentile per-packet one-way delay: 63.701 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.03 Mbit/s

95th percentile per-packet one-way delay: 63.728 ms

Loss rate: 0.00%

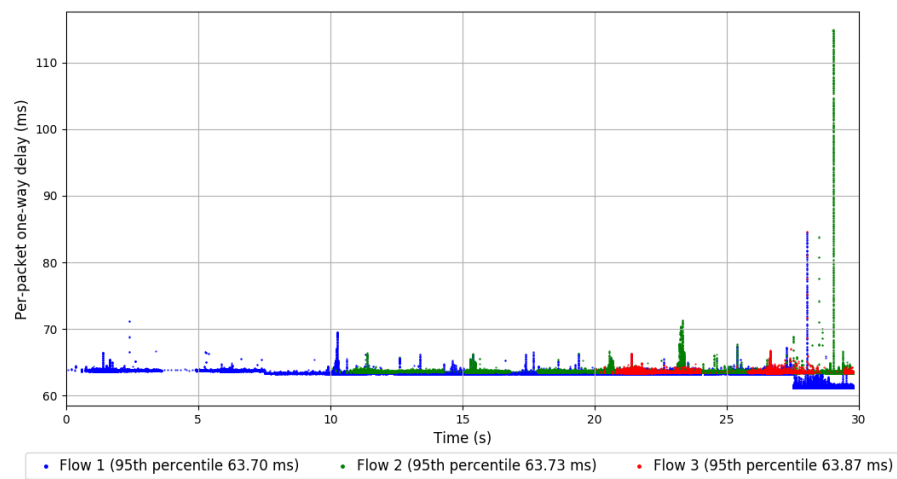
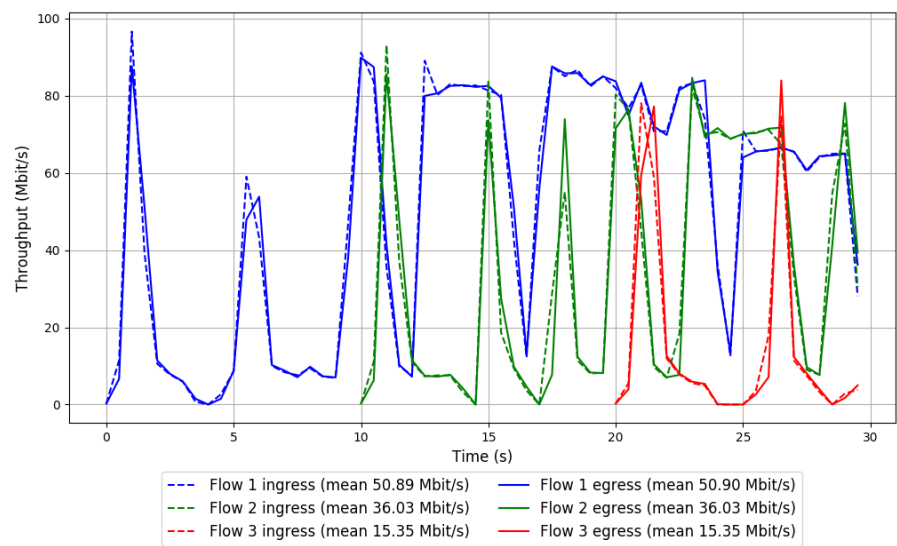
-- Flow 3:

Average throughput: 15.35 Mbit/s

95th percentile per-packet one-way delay: 63.868 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-10 07:00:14

End at: 2018-01-10 07:00:44

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.56 Mbit/s

95th percentile per-packet one-way delay: 63.668 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 16.96 Mbit/s

95th percentile per-packet one-way delay: 63.650 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 63.697 ms

Loss rate: 0.00%

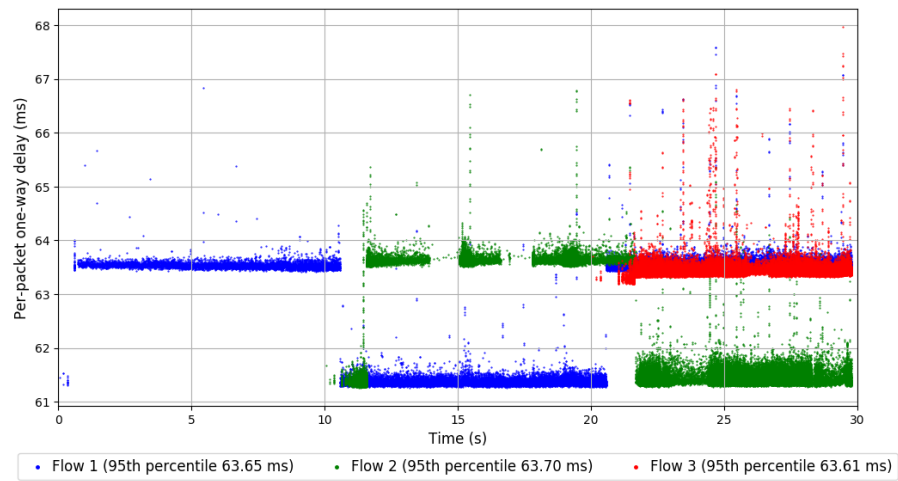
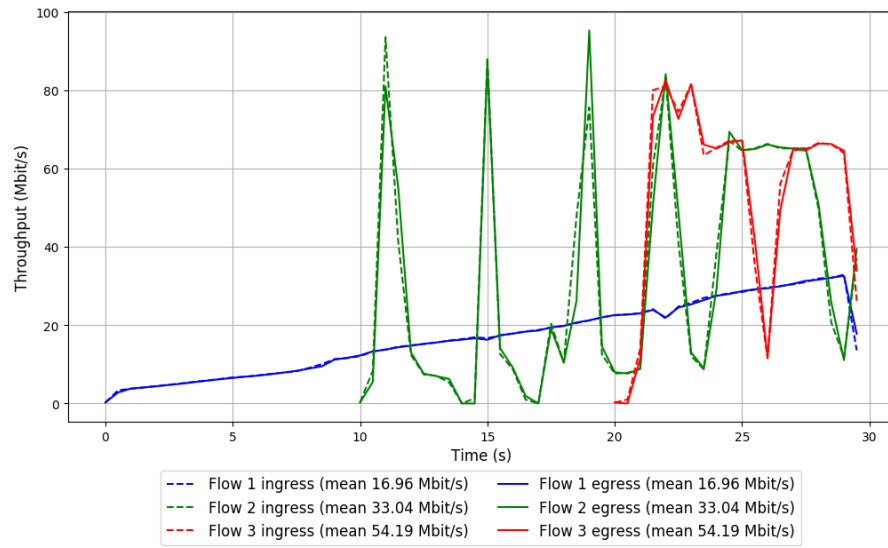
-- Flow 3:

Average throughput: 54.19 Mbit/s

95th percentile per-packet one-way delay: 63.611 ms

Loss rate: 0.02%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-10 07:13:28

End at: 2018-01-10 07:13:58

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.58 Mbit/s

95th percentile per-packet one-way delay: 63.628 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.71 Mbit/s

95th percentile per-packet one-way delay: 63.633 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.65 Mbit/s

95th percentile per-packet one-way delay: 63.630 ms

Loss rate: 0.00%

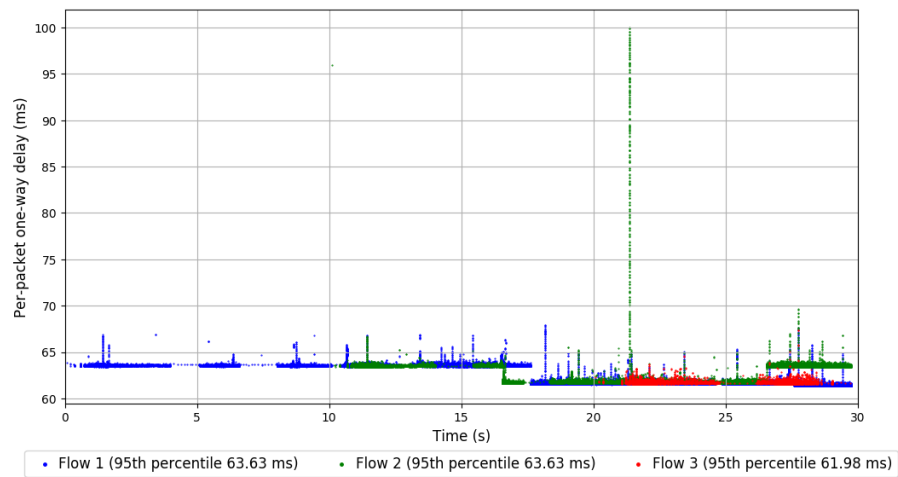
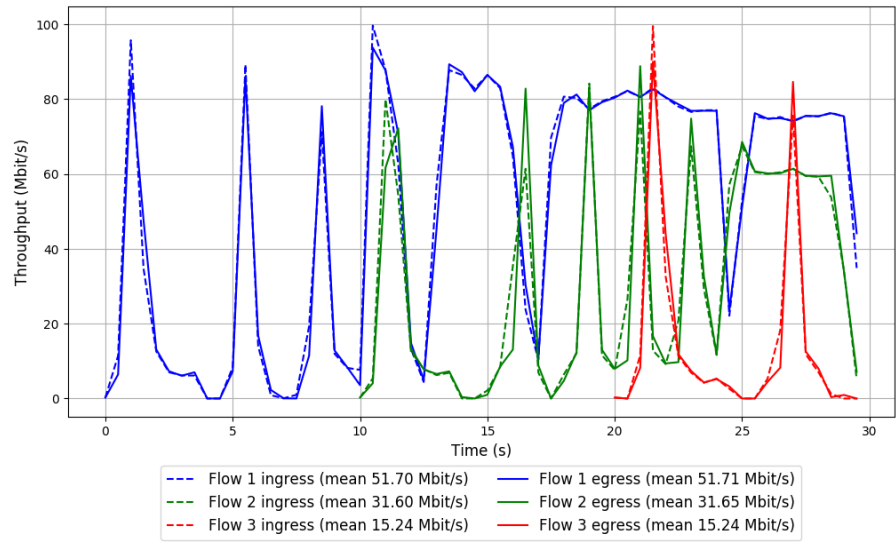
-- Flow 3:

Average throughput: 15.24 Mbit/s

95th percentile per-packet one-way delay: 61.981 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-10 07:27:34

End at: 2018-01-10 07:28:04

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.68 Mbit/s

95th percentile per-packet one-way delay: 63.655 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 47.22 Mbit/s

95th percentile per-packet one-way delay: 63.533 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.98 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 0.02%

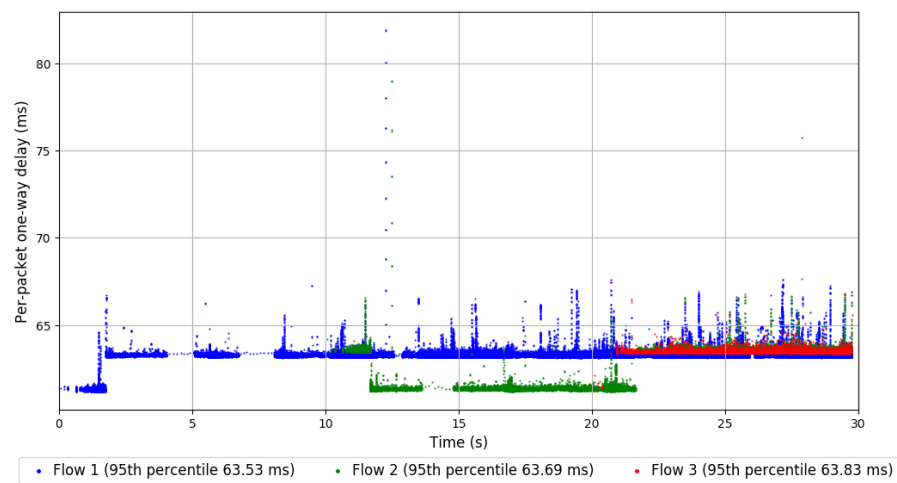
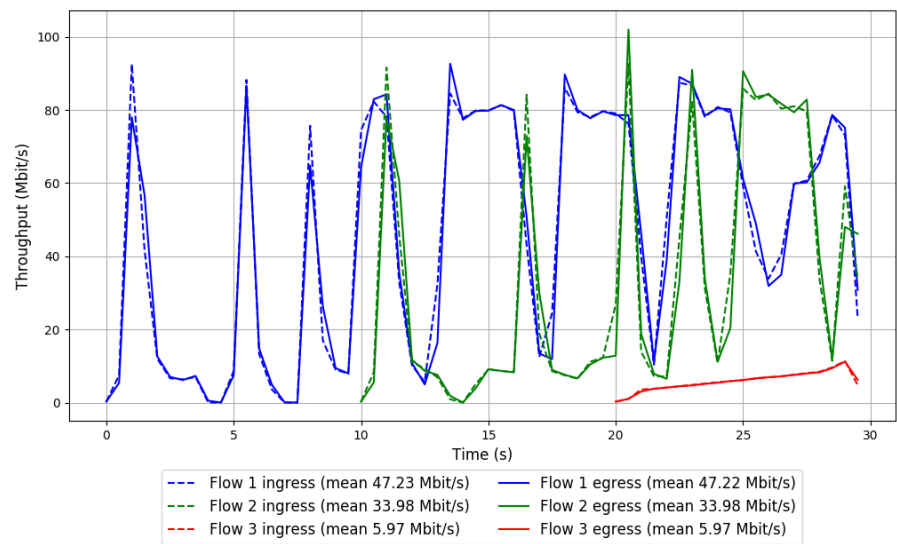
-- Flow 3:

Average throughput: 5.97 Mbit/s

95th percentile per-packet one-way delay: 63.828 ms

Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-10 07:41:24

End at: 2018-01-10 07:41:54

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 63.561 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 63.572 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.62 Mbit/s

95th percentile per-packet one-way delay: 63.540 ms

Loss rate: 0.00%

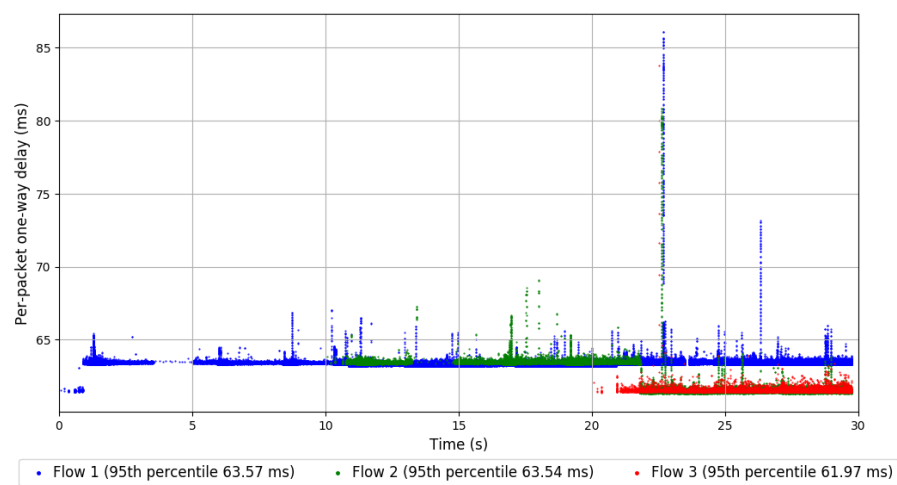
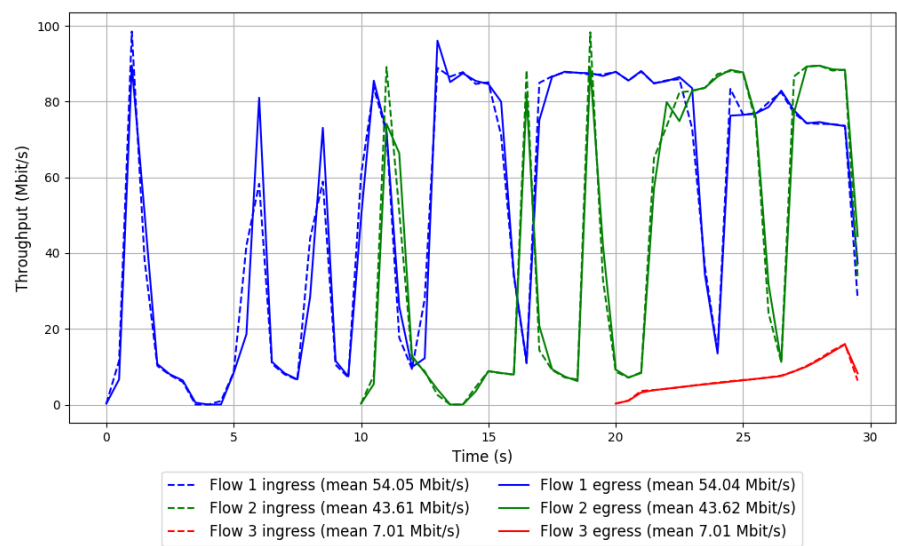
-- Flow 3:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 61.970 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-10 07:55:53

End at: 2018-01-10 07:56:23

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.35 Mbit/s

95th percentile per-packet one-way delay: 63.875 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 63.910 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.45 Mbit/s

95th percentile per-packet one-way delay: 63.581 ms

Loss rate: 0.00%

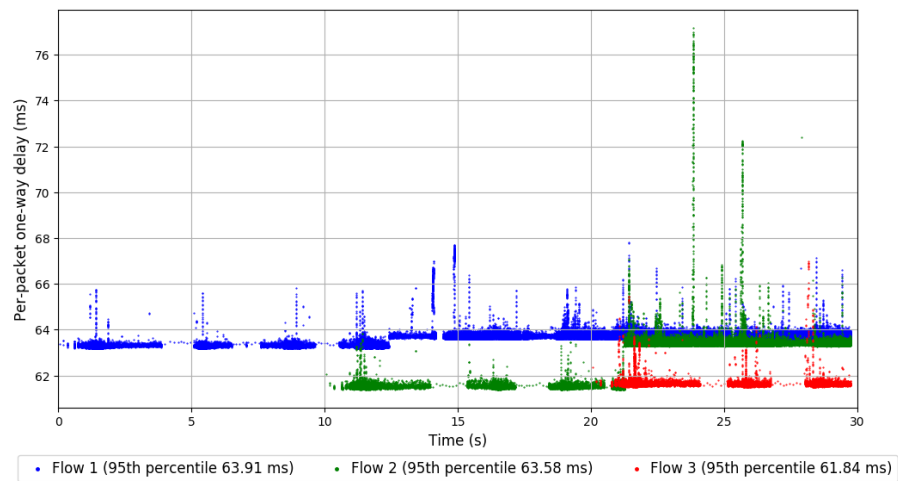
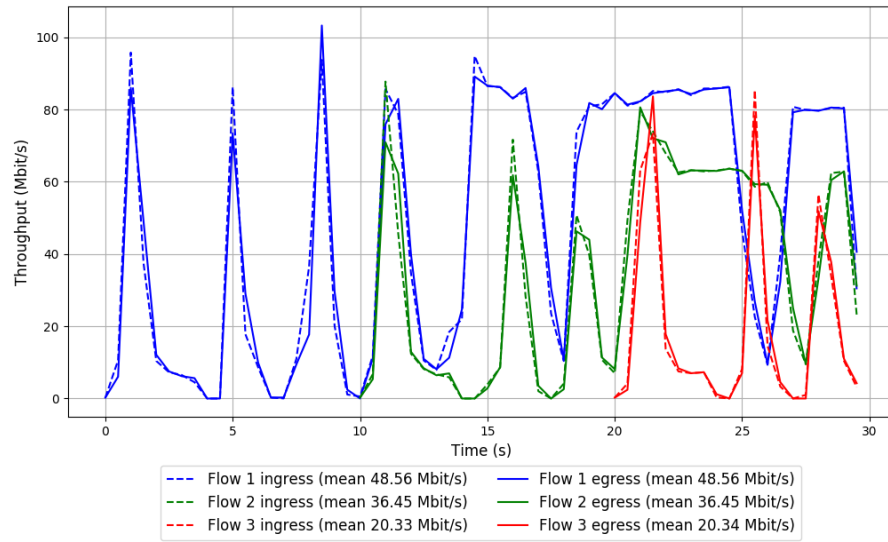
-- Flow 3:

Average throughput: 20.34 Mbit/s

95th percentile per-packet one-way delay: 61.843 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-10 08:10:14

End at: 2018-01-10 08:10:44

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 63.606 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.66 Mbit/s

95th percentile per-packet one-way delay: 63.392 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 61.936 ms

Loss rate: 0.01%

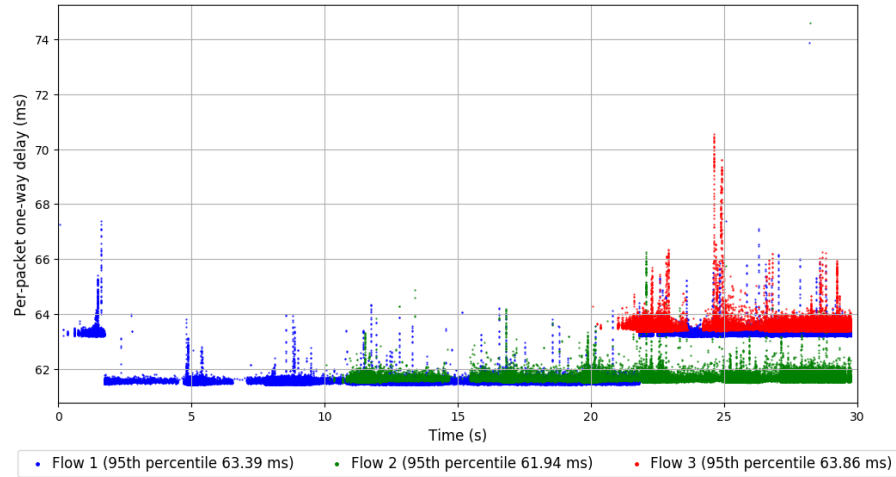
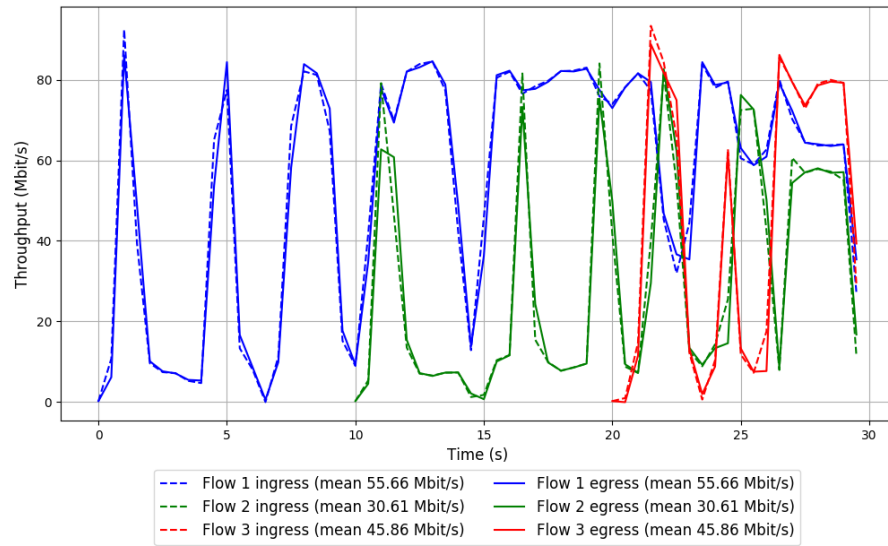
-- Flow 3:

Average throughput: 45.86 Mbit/s

95th percentile per-packet one-way delay: 63.860 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

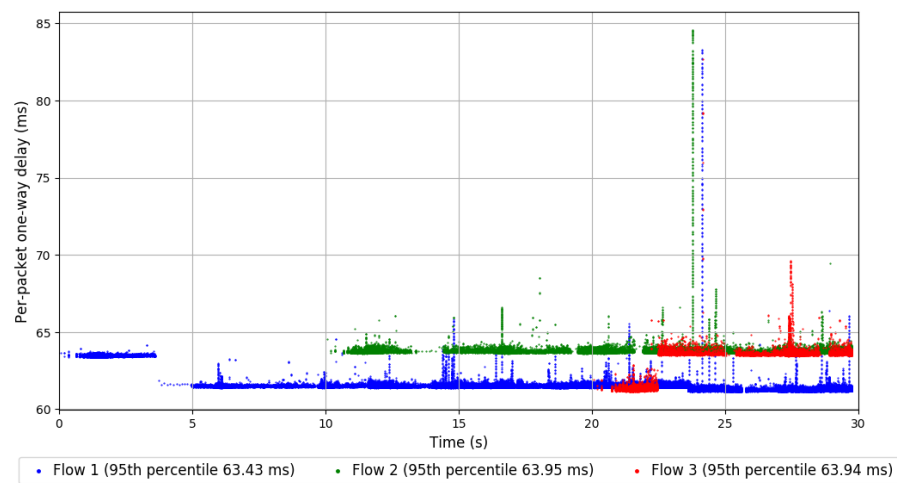
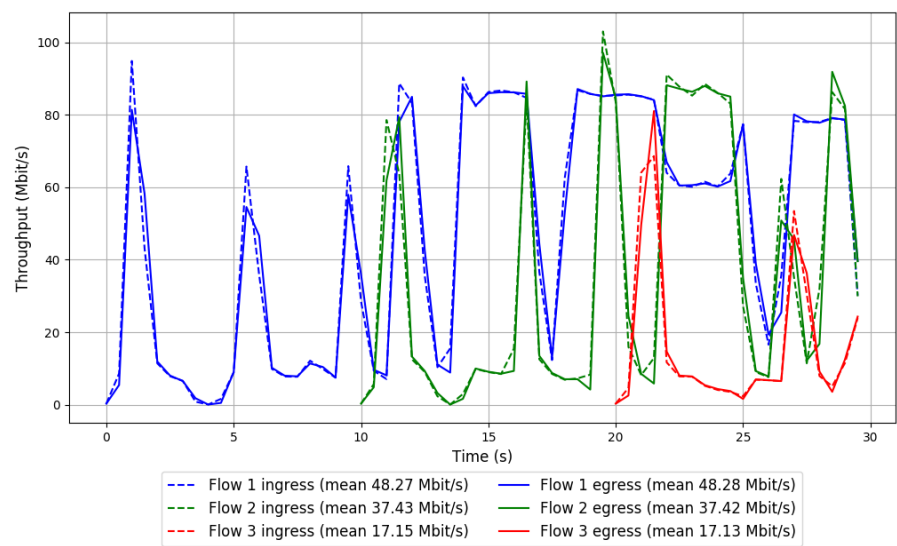


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-10 08:24:22
End at: 2018-01-10 08:24:52

# Below is generated by plot.py at 2018-01-10 10:29:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: 63.857 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 63.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.42 Mbit/s
95th percentile per-packet one-way delay: 63.948 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 17.13 Mbit/s
95th percentile per-packet one-way delay: 63.942 ms
Loss rate: 0.14%
```

Run 10: Report of QUIC Cubic — Data Link

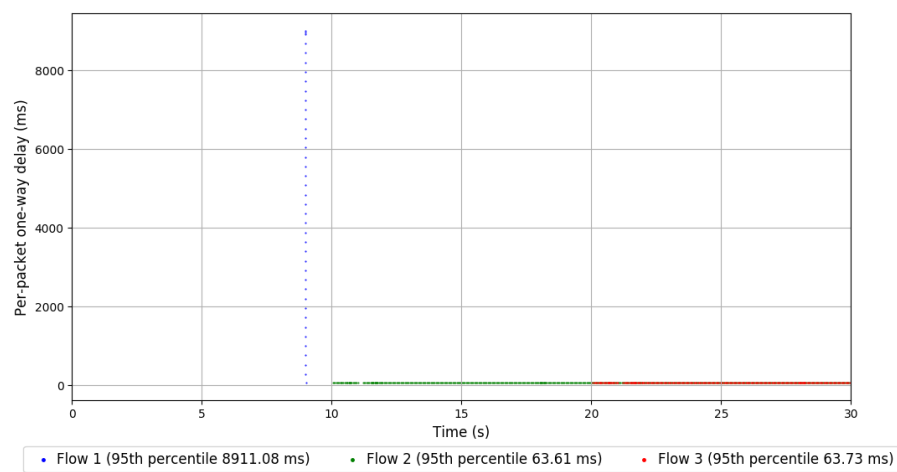
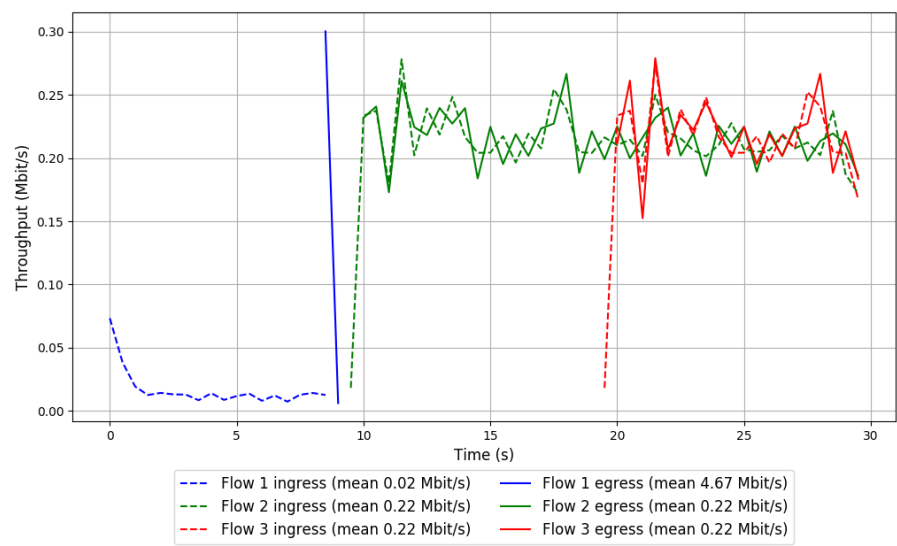


Run 1: Statistics of SReAM

Start at: 2018-01-10 06:19:10

End at: 2018-01-10 06:19:40

Run 1: Report of SReAM — Data Link

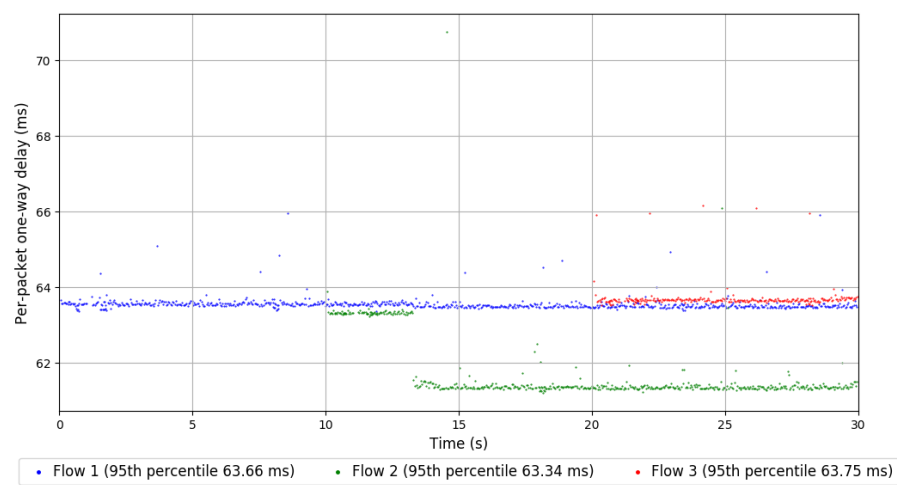
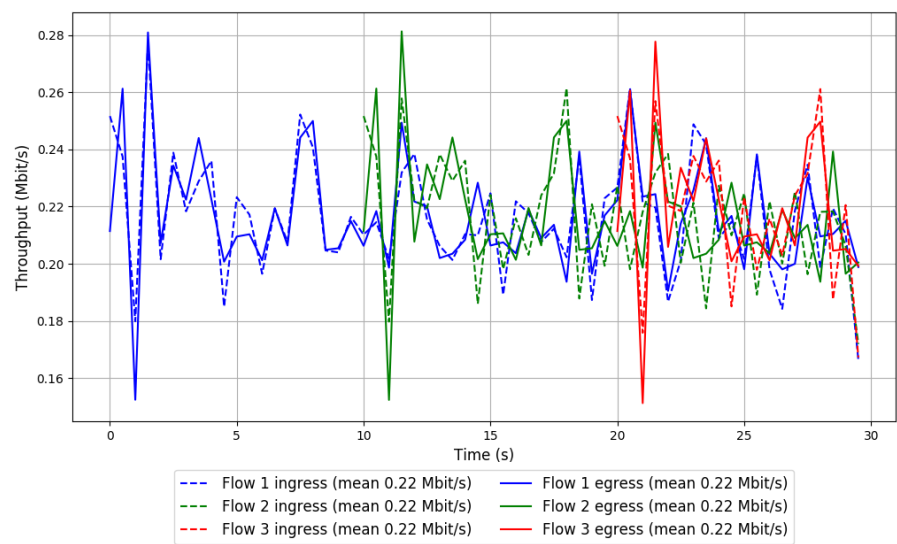


```
Run 2: Statistics of SCReAM

Start at: 2018-01-10 06:33:32
End at: 2018-01-10 06:34:02

# Below is generated by plot.py at 2018-01-10 10:29:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.702 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.661 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.752 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-10 06:47:46

End at: 2018-01-10 06:48:16

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 63.615 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 63.640 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.862 ms

Loss rate: 0.00%

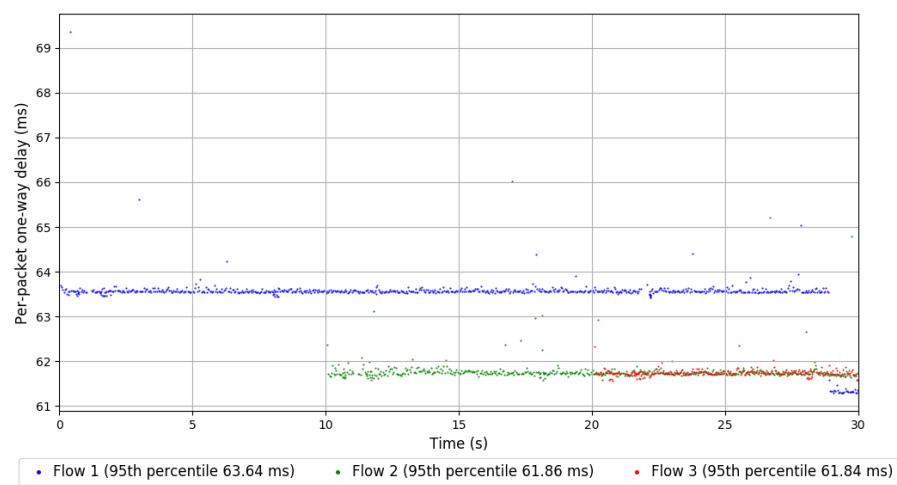
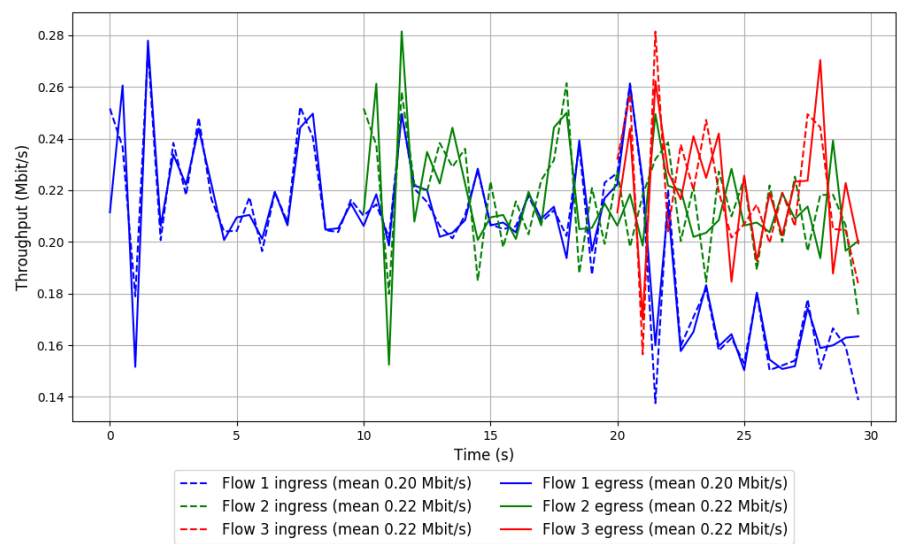
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.844 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

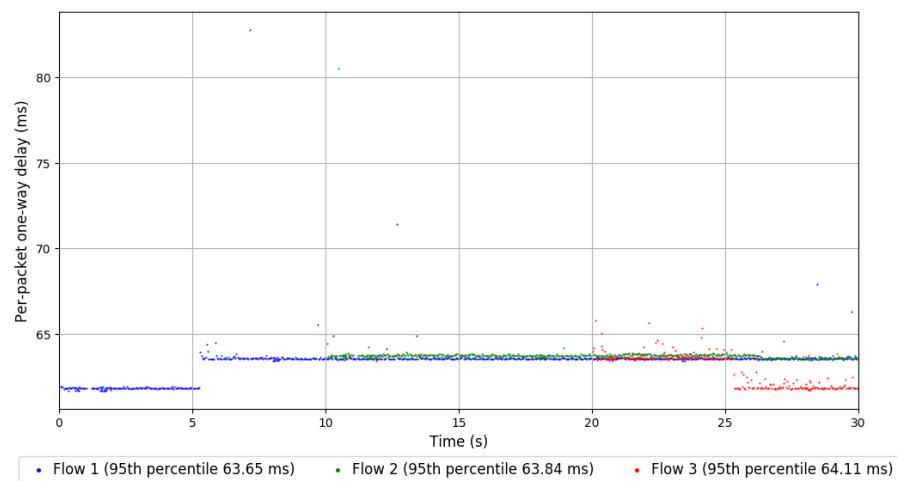
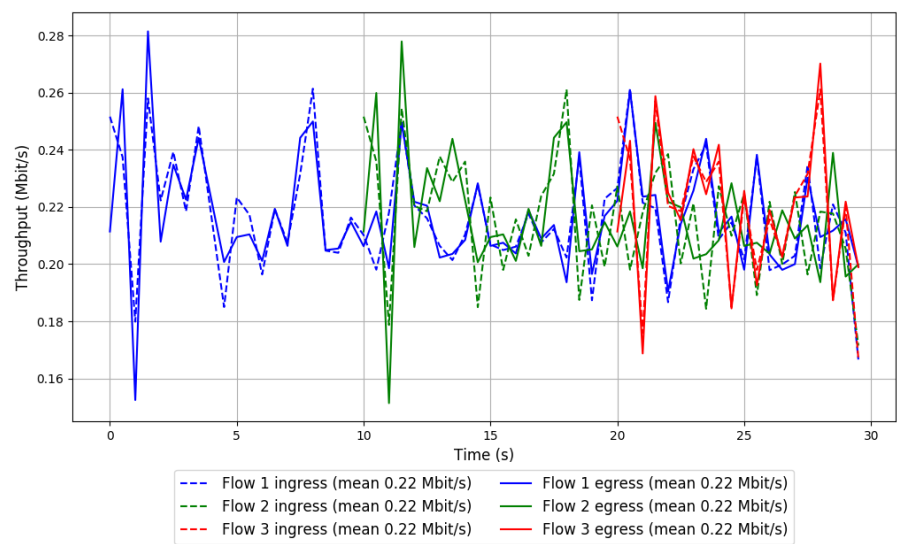


```
Run 4: Statistics of SCReAM

Start at: 2018-01-10 07:01:40
End at: 2018-01-10 07:02:10

# Below is generated by plot.py at 2018-01-10 10:29:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.645 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.112 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-01-10 07:14:55

End at: 2018-01-10 07:15:25

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.636 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.708 ms

Loss rate: 0.00%

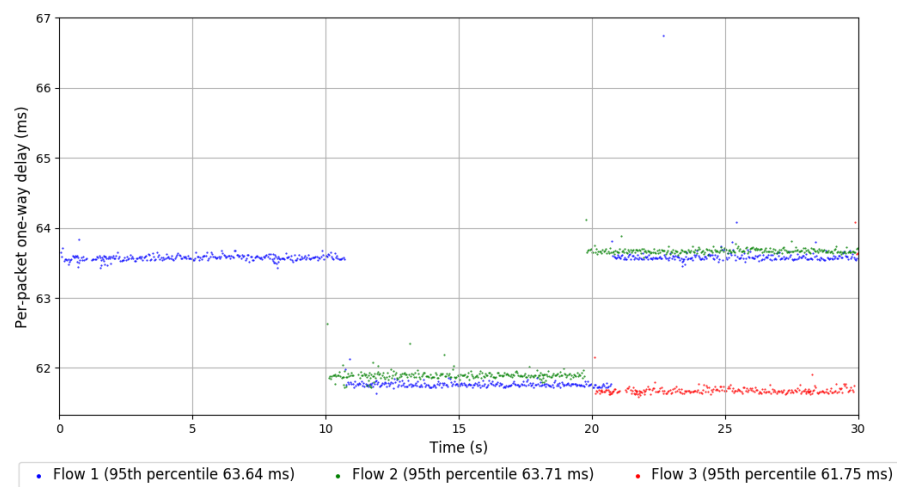
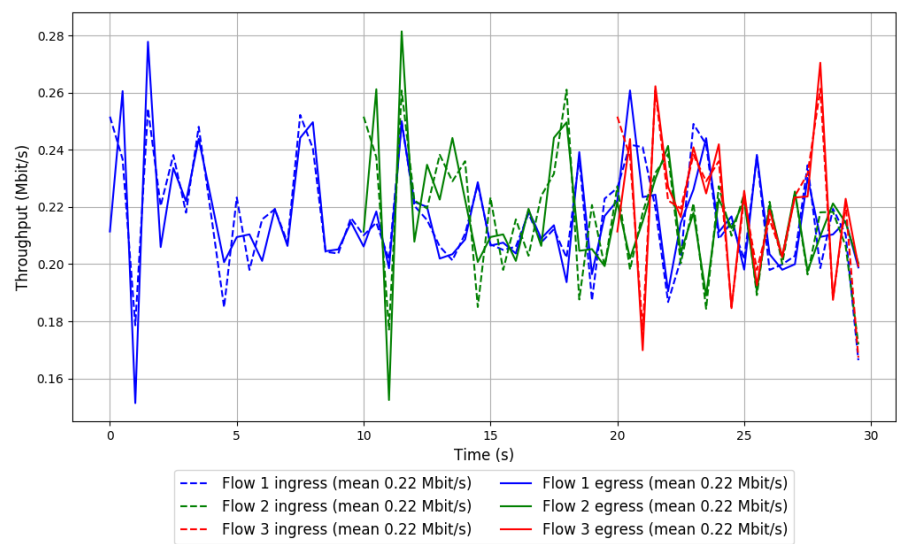
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.752 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

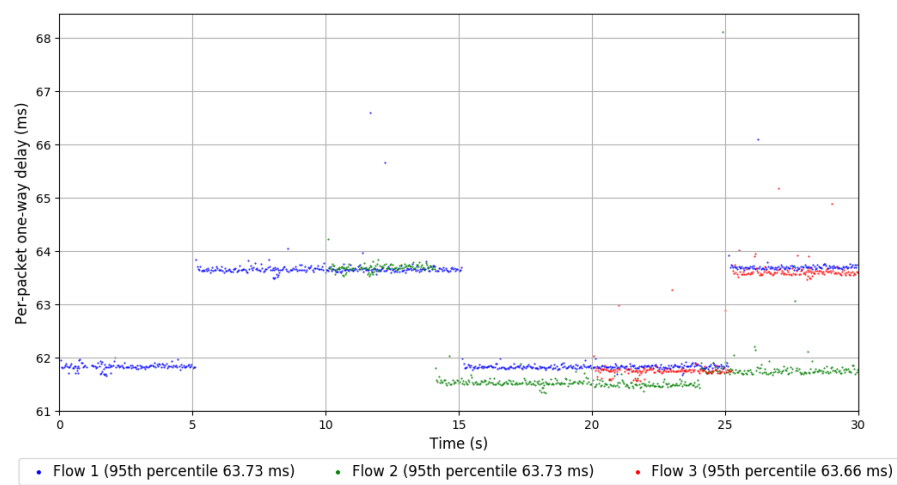
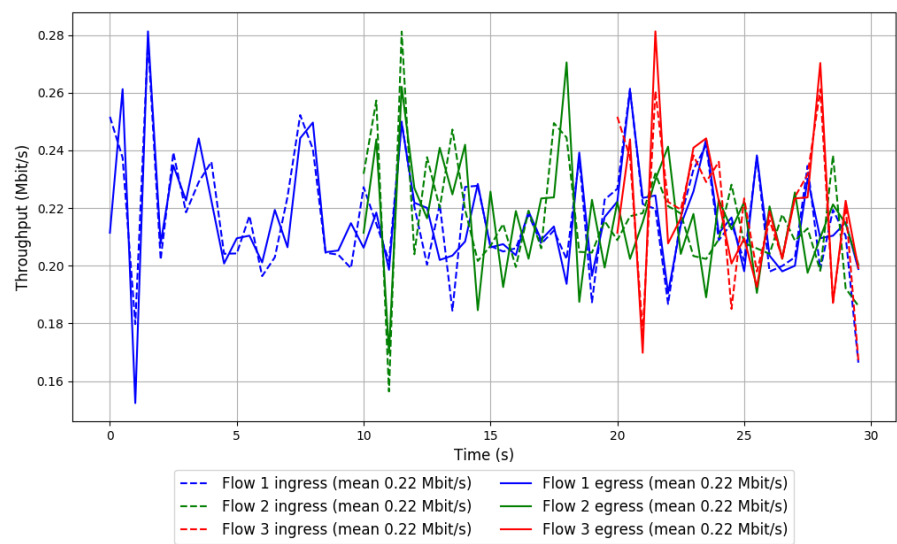


```
Run 6: Statistics of SCReAM

Start at: 2018-01-10 07:29:01
End at: 2018-01-10 07:29:31

# Below is generated by plot.py at 2018-01-10 10:29:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.732 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.665 ms
Loss rate: 0.00%
```

Run 6: Report of SReAM — Data Link

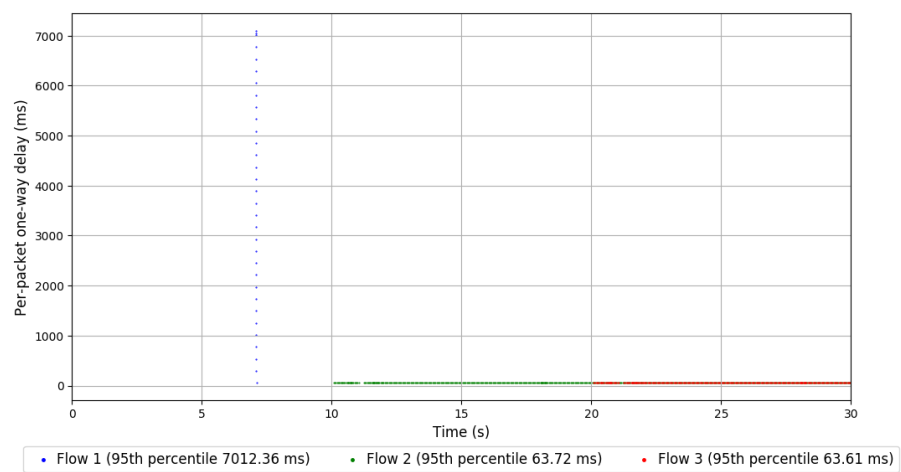
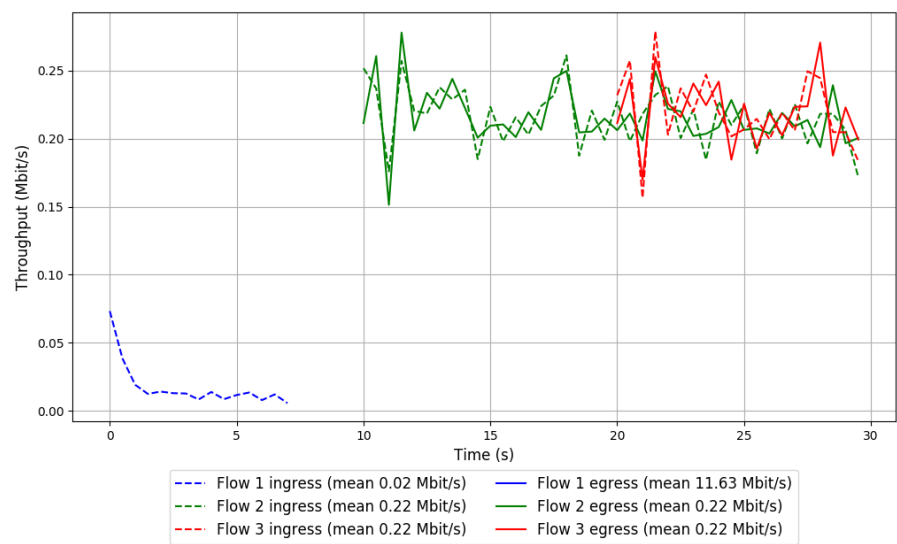


Run 7: Statistics of SReAM

Start at: 2018-01-10 07:42:51

End at: 2018-01-10 07:43:21

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-01-10 07:57:21

End at: 2018-01-10 07:57:51

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 63.604 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.629 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.358 ms

Loss rate: 0.00%

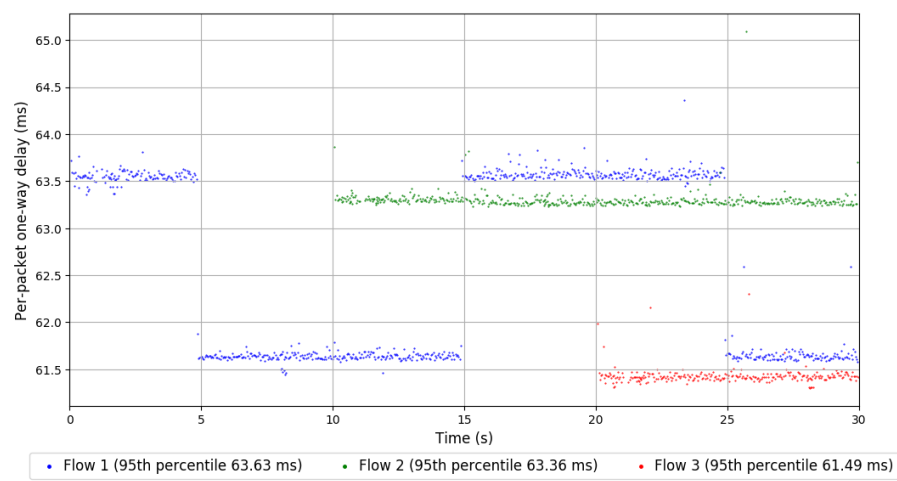
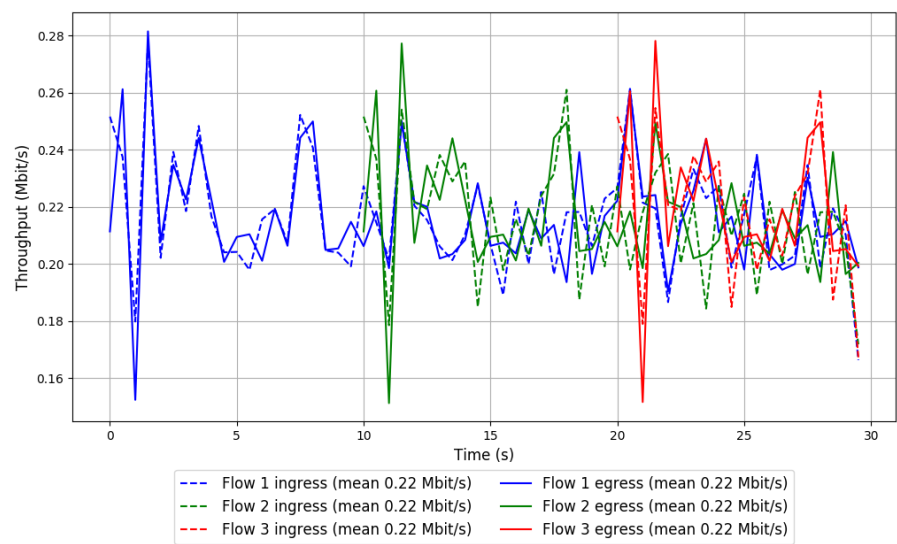
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.491 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-10 08:11:42

End at: 2018-01-10 08:12:12

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 63.680 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.508 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.865 ms

Loss rate: 0.00%

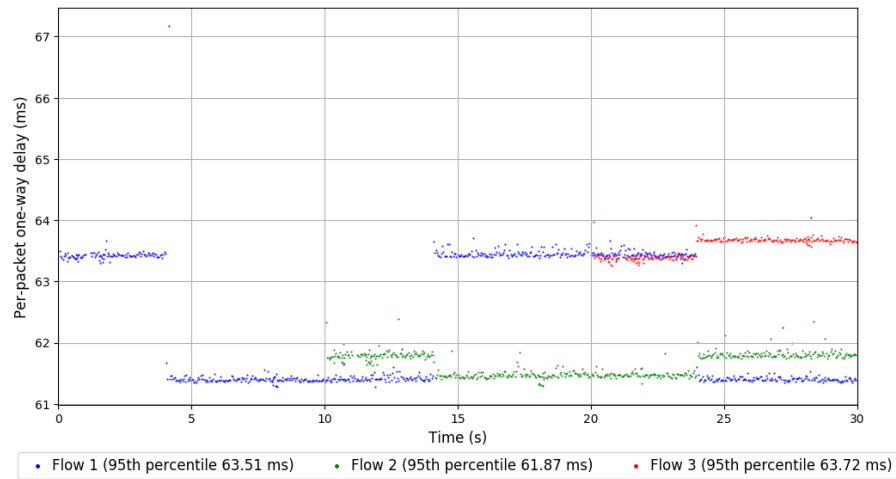
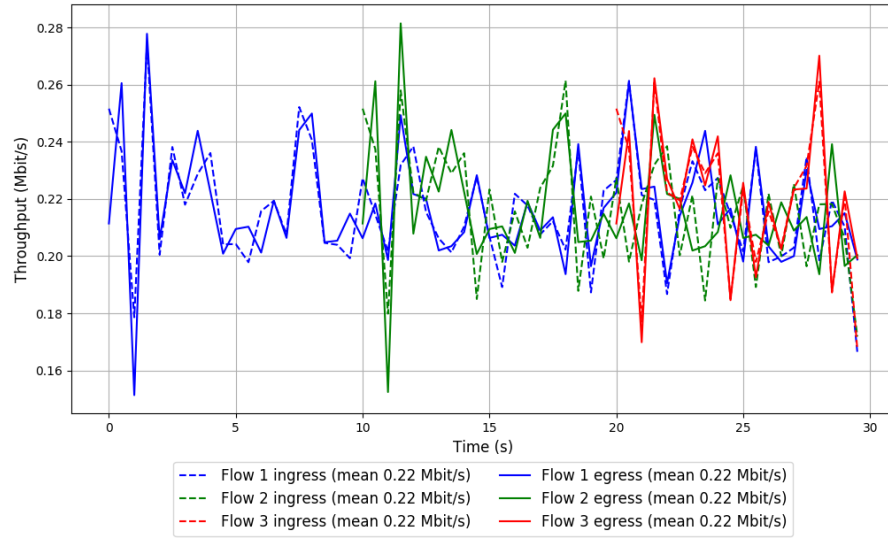
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.717 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-10 08:25:49

End at: 2018-01-10 08:26:19

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 63.708 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.647 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 63.799 ms

Loss rate: 0.00%

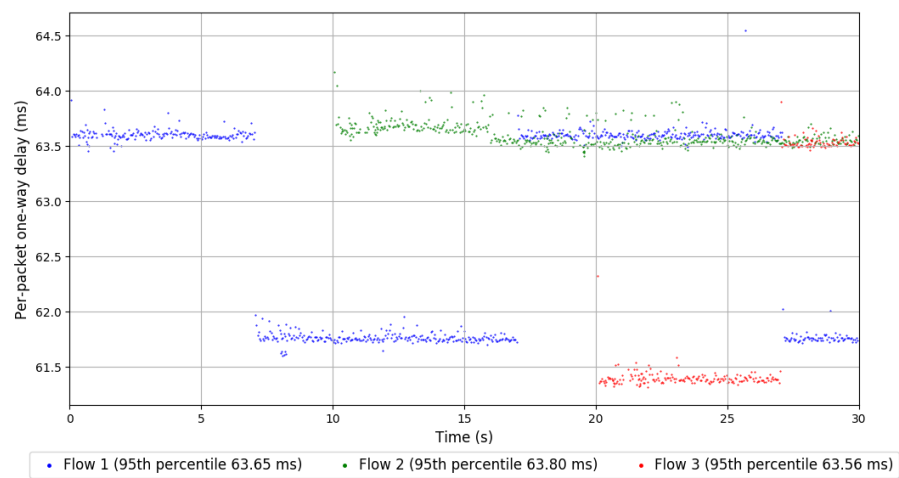
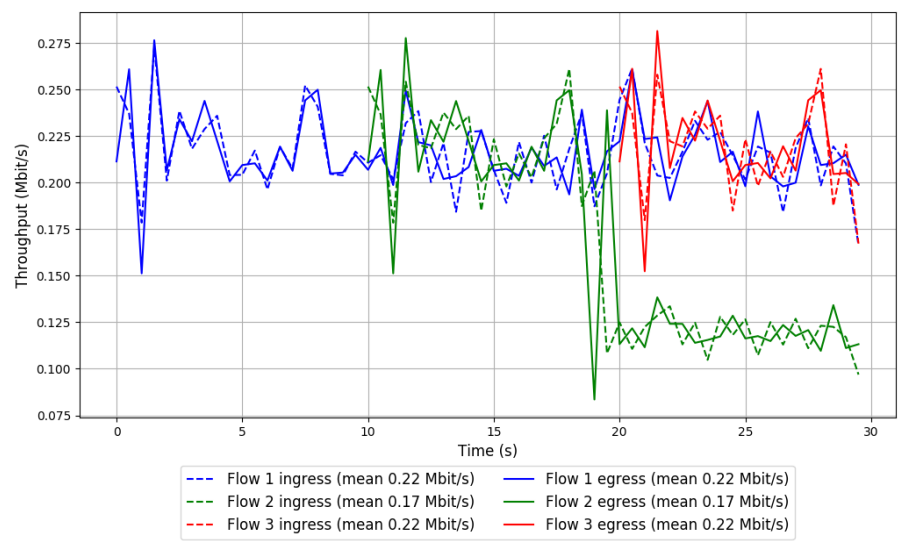
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.562 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

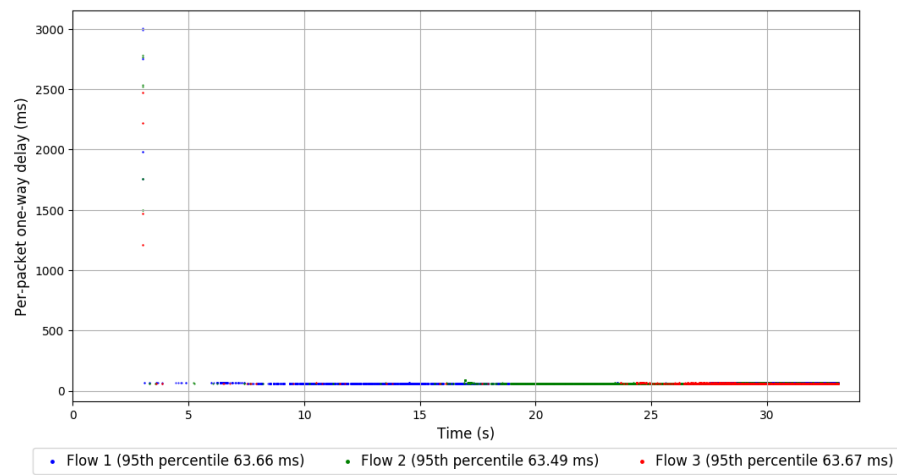
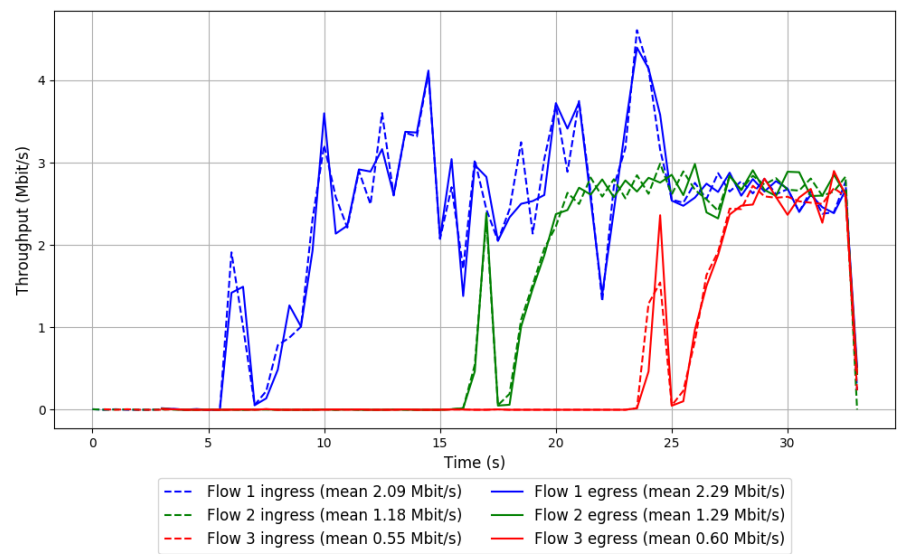


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-10 06:16:10
End at: 2018-01-10 06:16:40

# Below is generated by plot.py at 2018-01-10 10:29:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 63.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 63.659 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 63.493 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 63.670 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

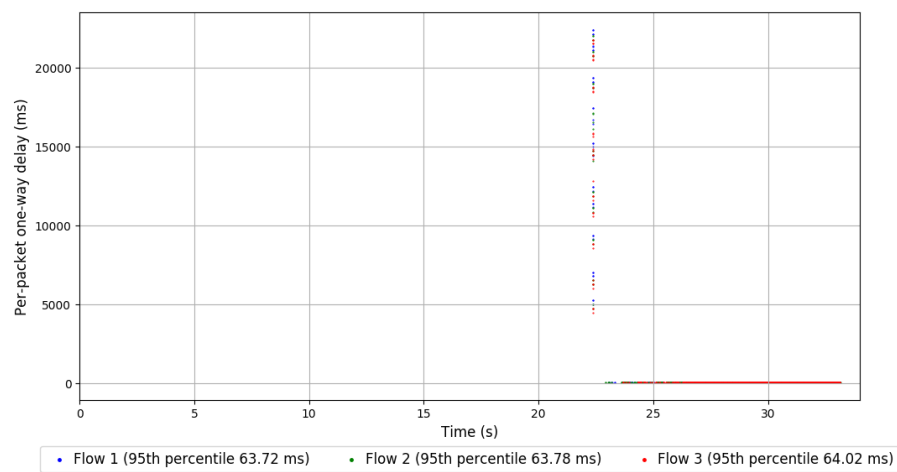
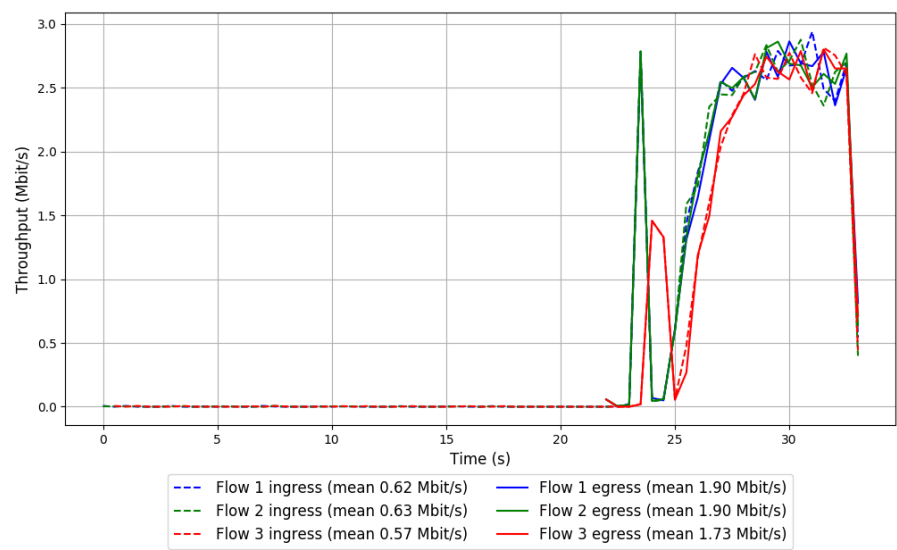


Run 2: Statistics of WebRTC media

Start at: 2018-01-10 06:30:27

End at: 2018-01-10 06:30:57

Run 2: Report of WebRTC media — Data Link

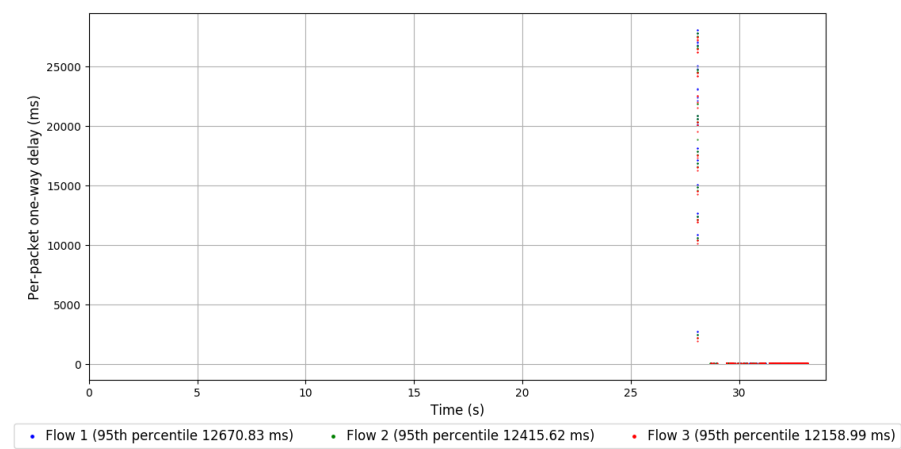
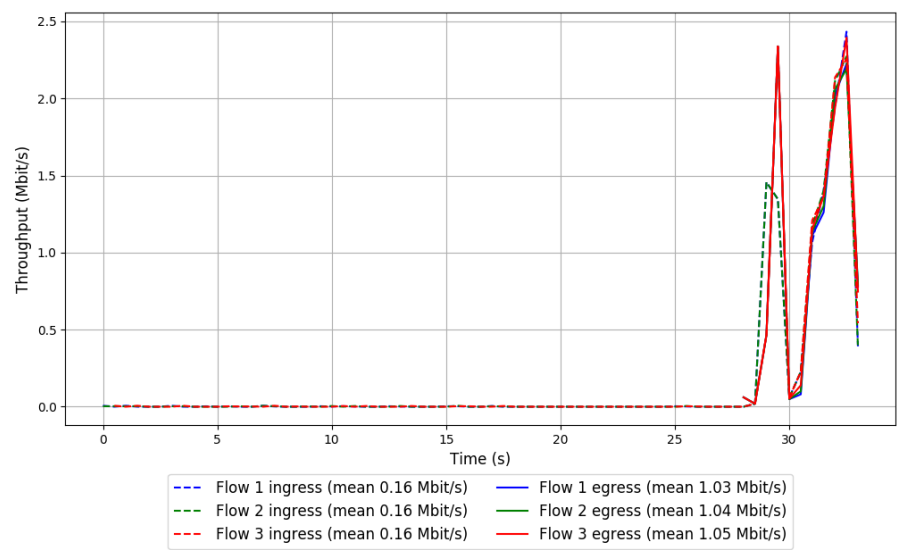


Run 3: Statistics of WebRTC media

Start at: 2018-01-10 06:44:42

End at: 2018-01-10 06:45:12

Run 3: Report of WebRTC media — Data Link

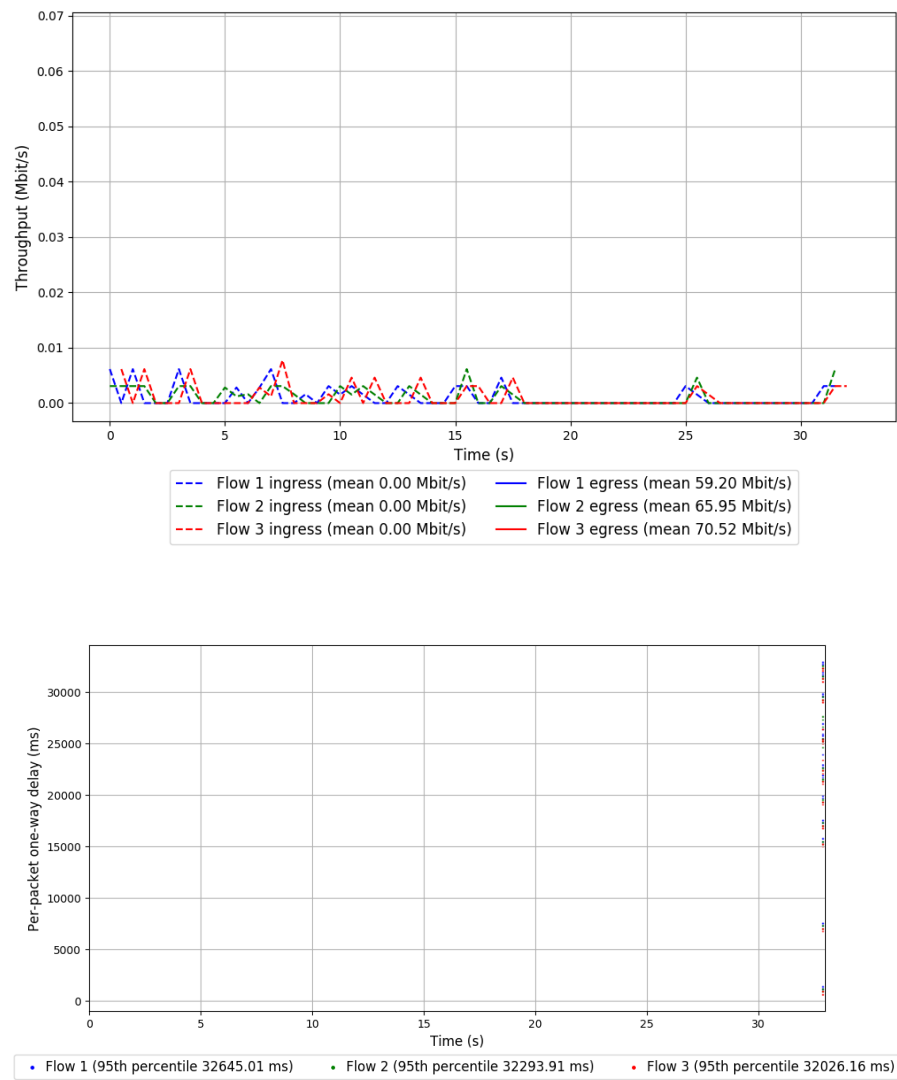


Run 4: Statistics of WebRTC media

Start at: 2018-01-10 06:58:39

End at: 2018-01-10 06:59:09

Run 4: Report of WebRTC media — Data Link

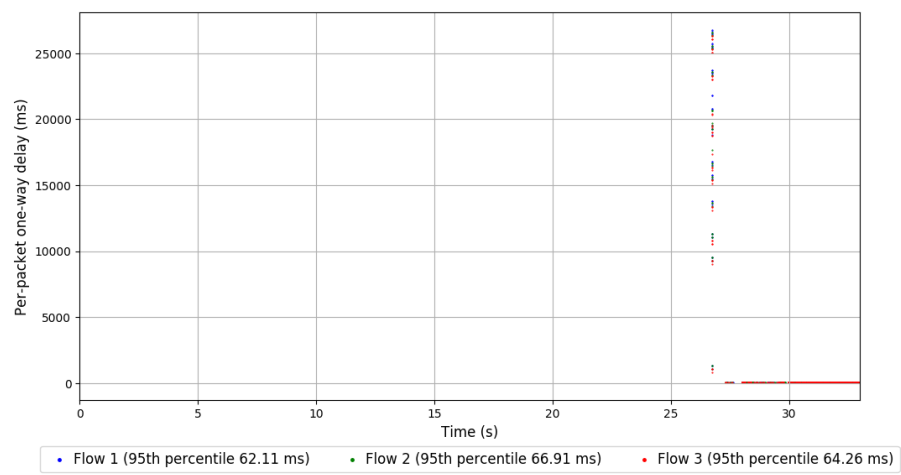
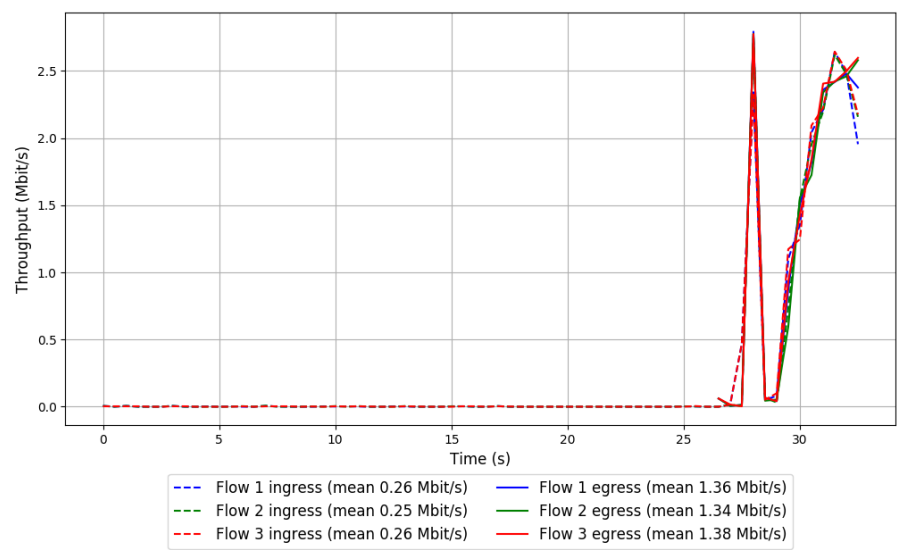


Run 5: Statistics of WebRTC media

Start at: 2018-01-10 07:11:51

End at: 2018-01-10 07:12:21

Run 5: Report of WebRTC media — Data Link

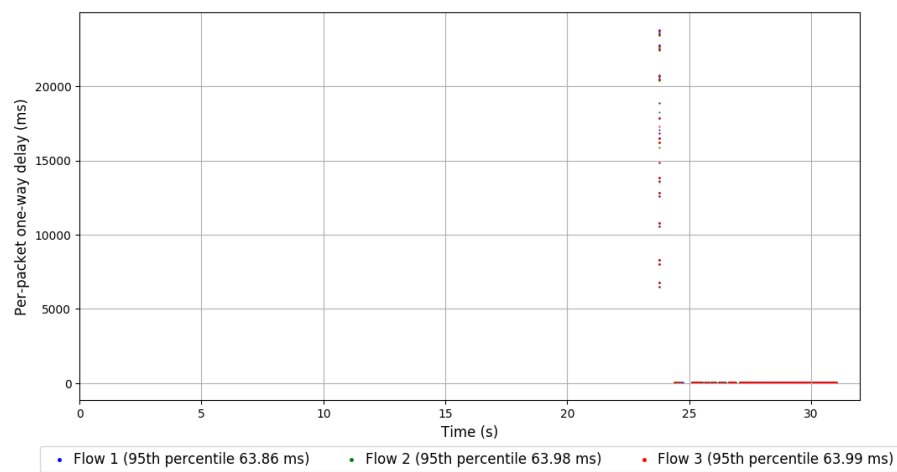
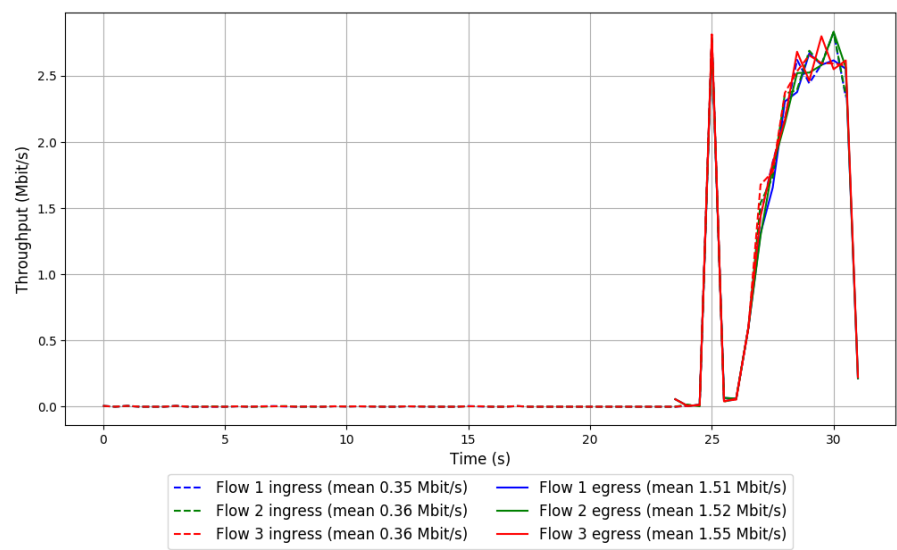


Run 6: Statistics of WebRTC media

Start at: 2018-01-10 07:25:58

End at: 2018-01-10 07:26:28

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-10 07:39:46

End at: 2018-01-10 07:40:16

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 63.684 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 63.641 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 63.789 ms

Loss rate: 0.00%

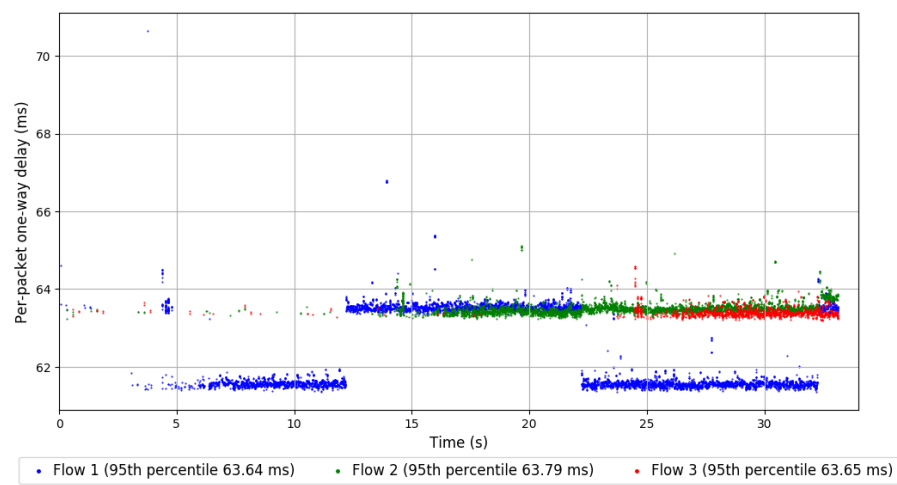
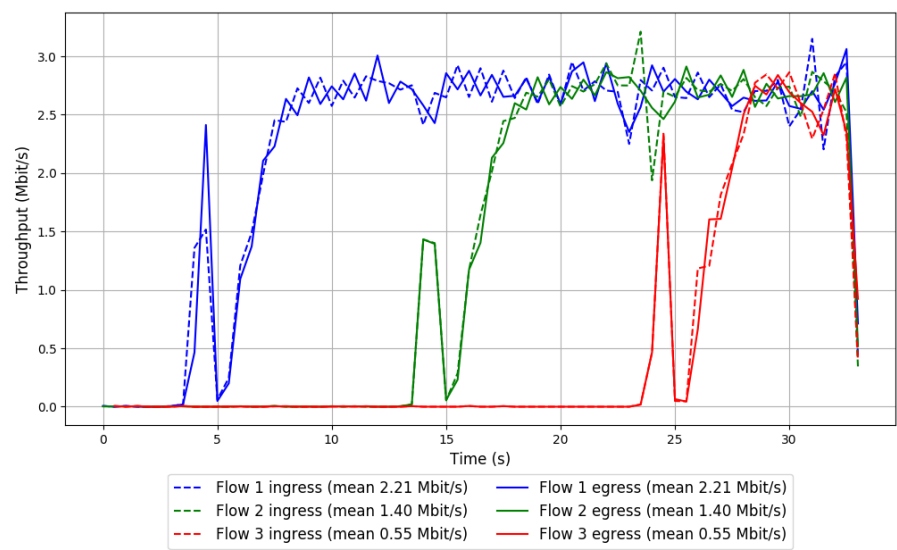
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 63.647 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-10 07:54:16

End at: 2018-01-10 07:54:46

Below is generated by plot.py at 2018-01-10 10:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 63.645 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 61.814 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 63.887 ms

Loss rate: 0.00%

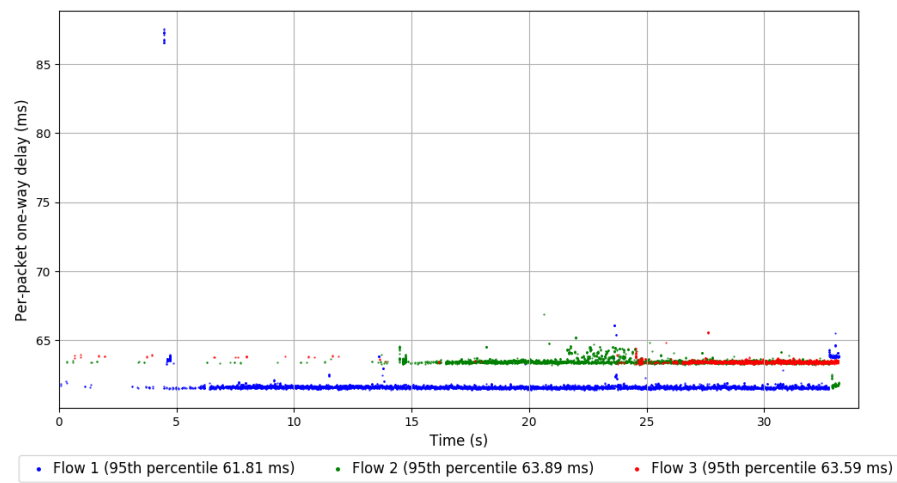
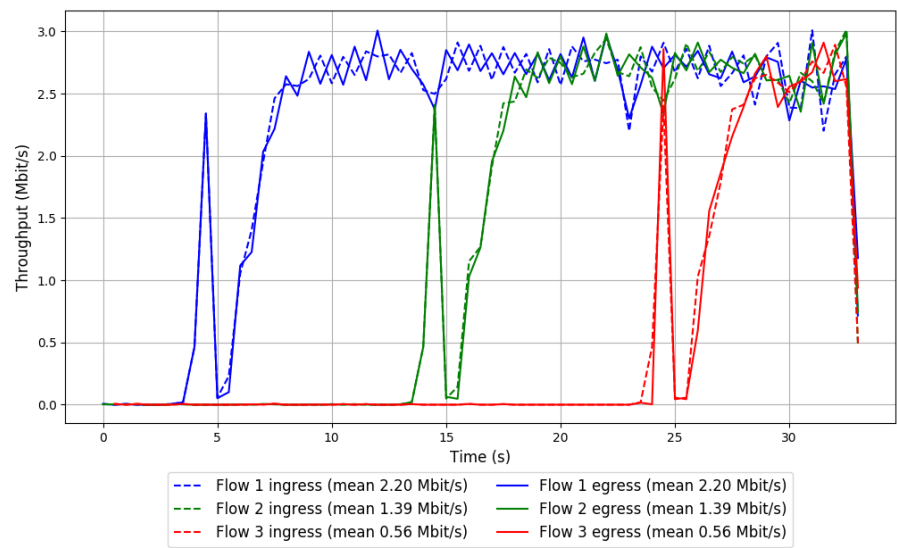
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 63.595 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

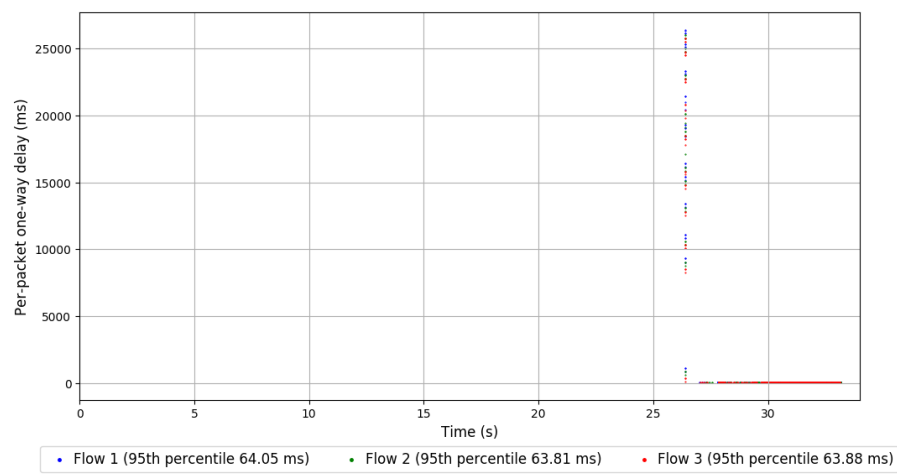
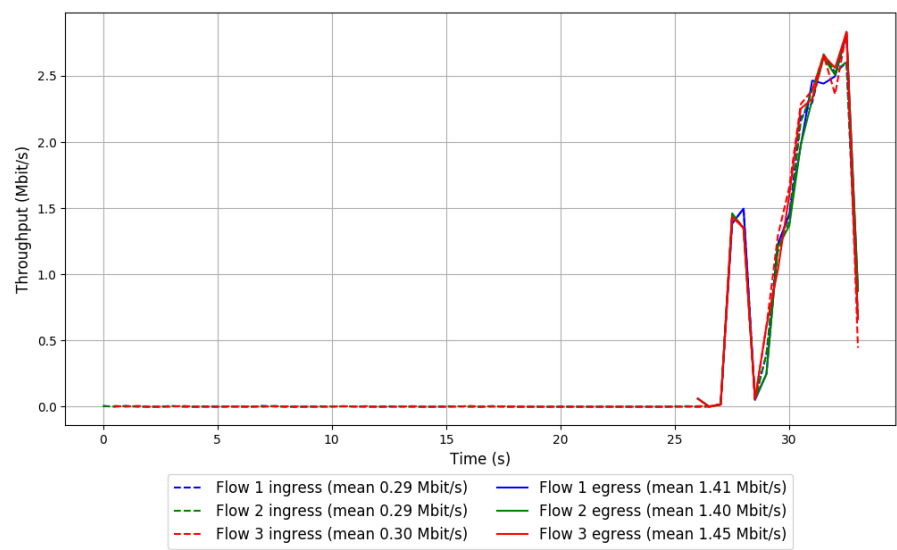


Run 9: Statistics of WebRTC media

Start at: 2018-01-10 08:08:38

End at: 2018-01-10 08:09:08

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-10 08:22:46

End at: 2018-01-10 08:23:16

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 63.471 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 61.834 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 61.603 ms

Loss rate: 0.00%

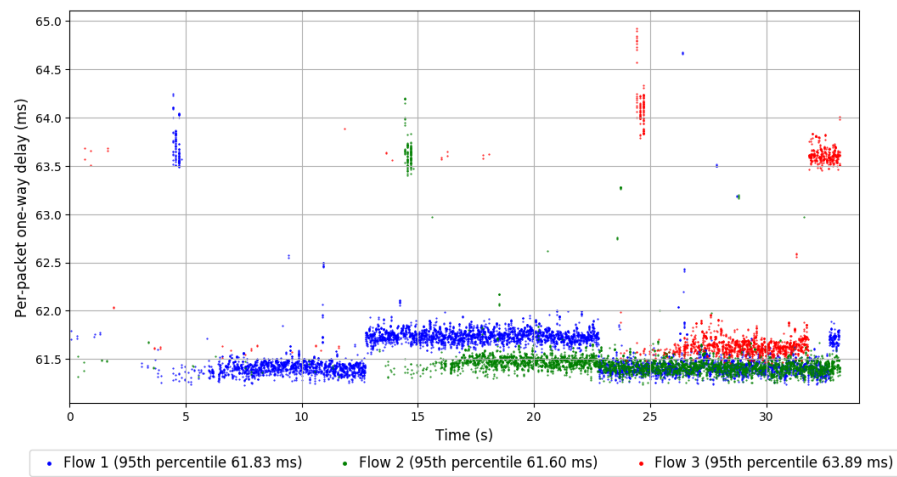
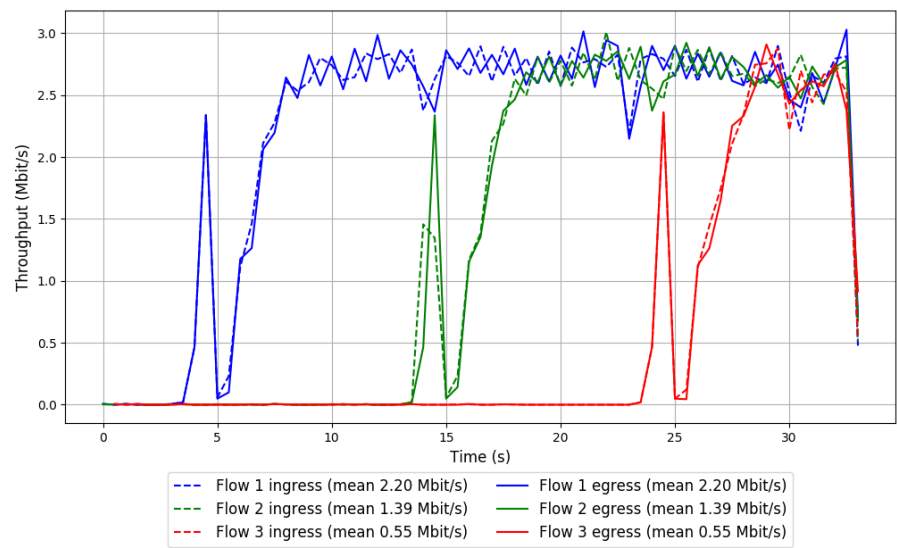
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 63.889 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

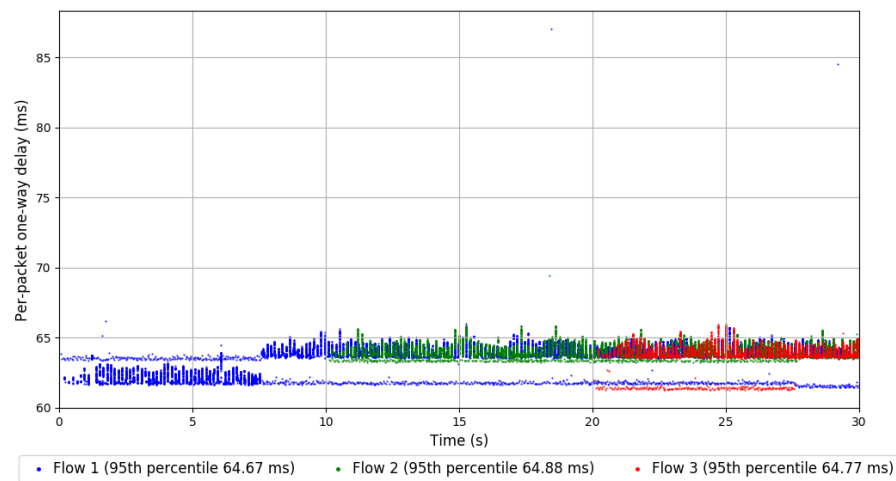
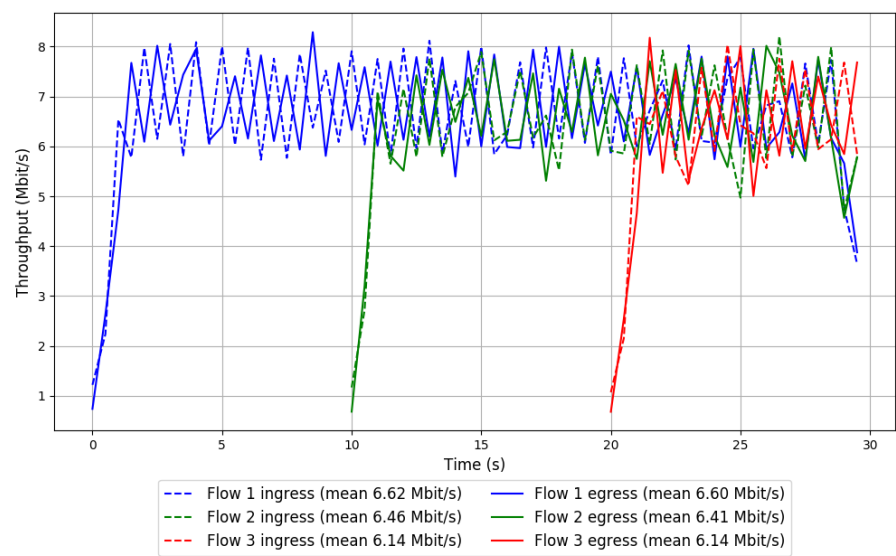


```
Run 1: Statistics of Sprout

Start at: 2018-01-10 06:18:28
End at: 2018-01-10 06:18:58

# Below is generated by plot.py at 2018-01-10 10:29:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 64.771 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 64.675 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 64.879 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 64.774 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-10 06:32:50

End at: 2018-01-10 06:33:20

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.85 Mbit/s

95th percentile per-packet one-way delay: 64.600 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 64.664 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 6.35 Mbit/s

95th percentile per-packet one-way delay: 64.540 ms

Loss rate: 0.00%

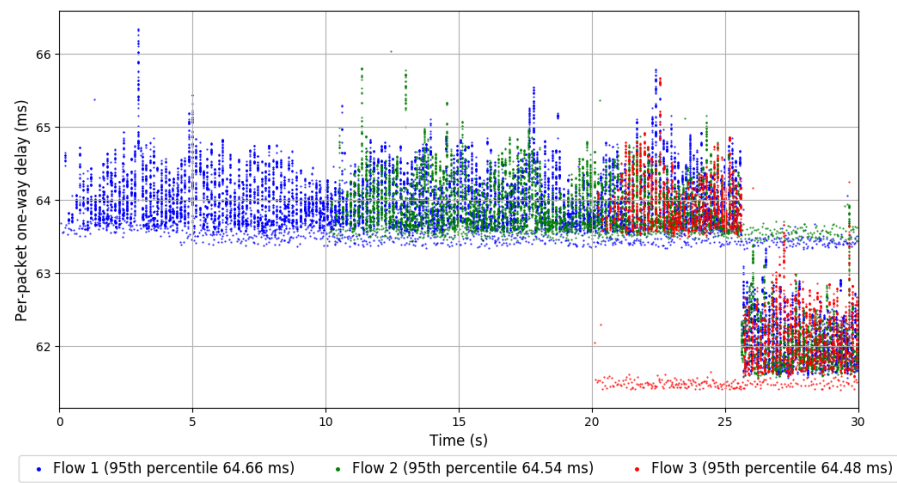
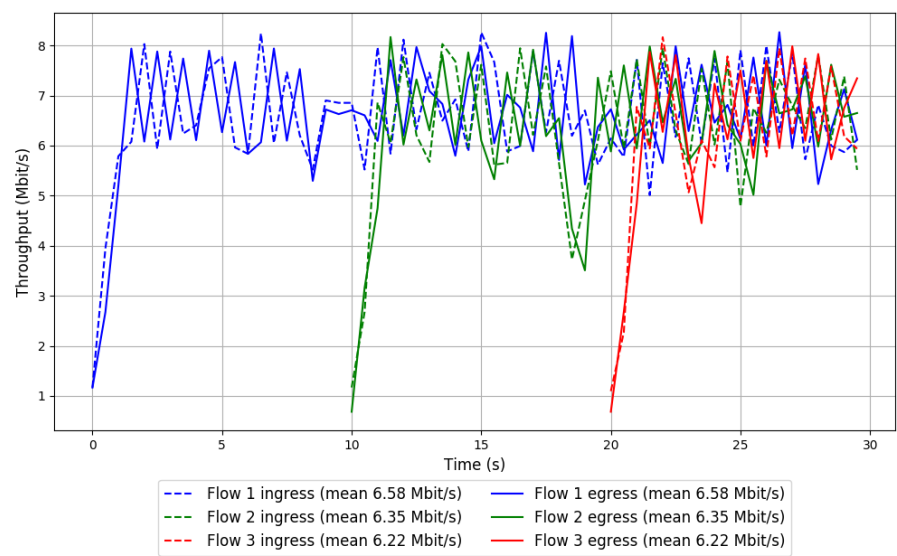
-- Flow 3:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 64.477 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-10 06:47:05

End at: 2018-01-10 06:47:35

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 64.685 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.65 Mbit/s

95th percentile per-packet one-way delay: 64.667 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 6.50 Mbit/s

95th percentile per-packet one-way delay: 64.563 ms

Loss rate: 0.00%

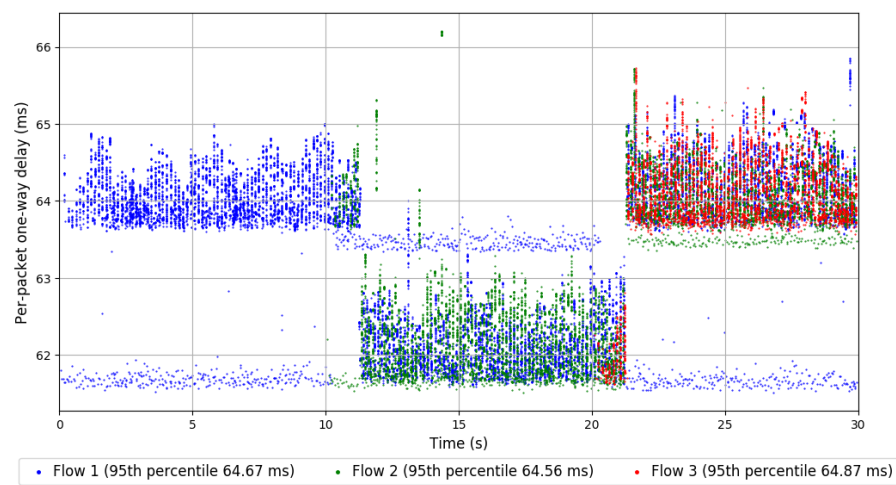
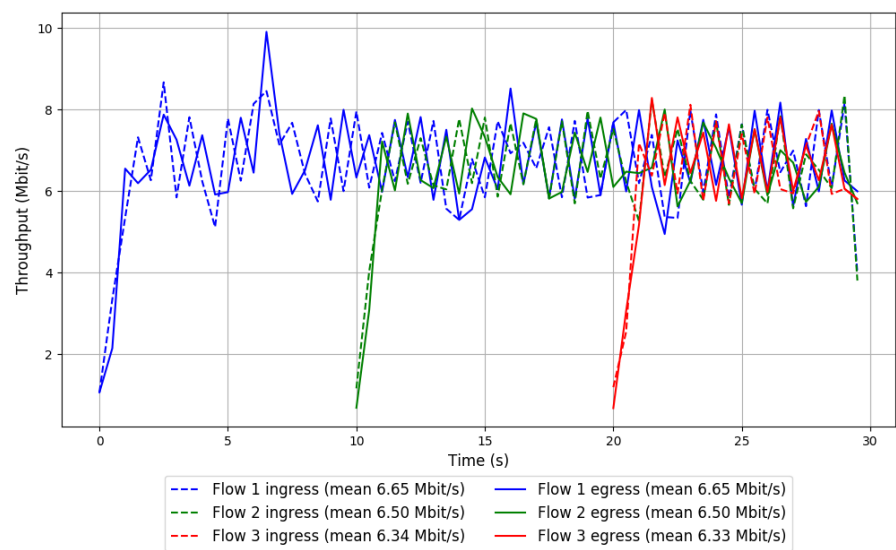
-- Flow 3:

Average throughput: 6.33 Mbit/s

95th percentile per-packet one-way delay: 64.872 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-10 07:00:58

End at: 2018-01-10 07:01:28

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.88 Mbit/s

95th percentile per-packet one-way delay: 64.788 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 64.770 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 64.767 ms

Loss rate: 0.14%

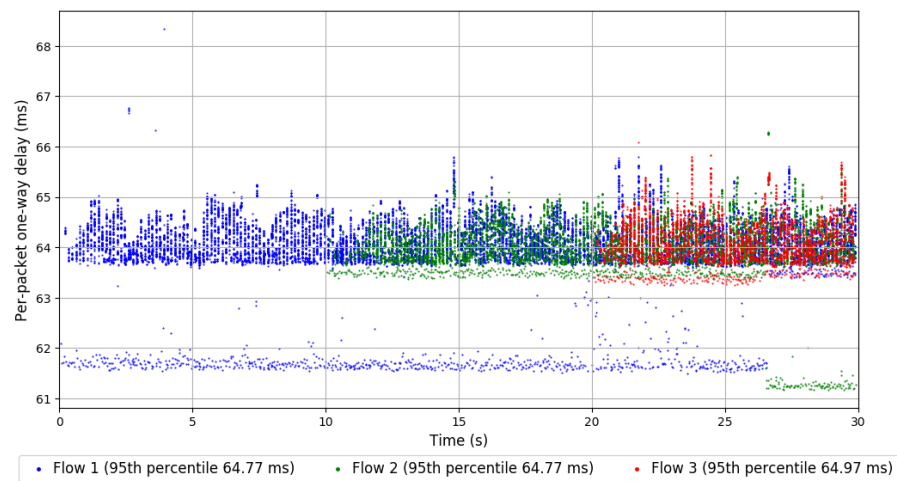
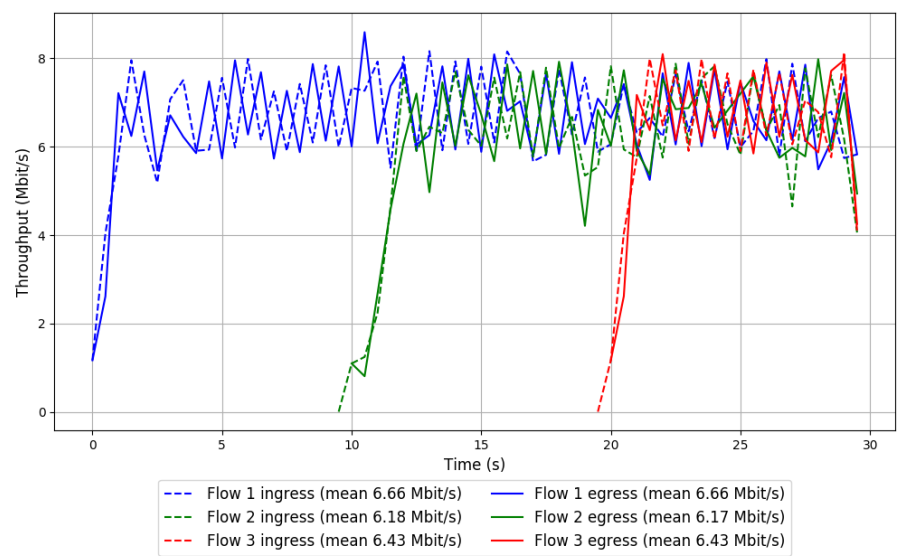
-- Flow 3:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 64.972 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-10 07:14:14

End at: 2018-01-10 07:14:44

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.91 Mbit/s

95th percentile per-packet one-way delay: 64.461 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.50 Mbit/s

95th percentile per-packet one-way delay: 64.495 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 64.436 ms

Loss rate: 0.00%

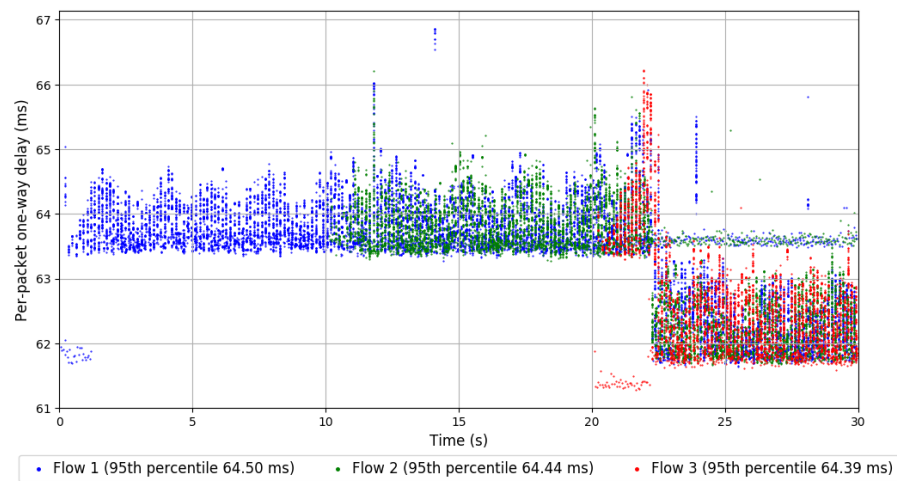
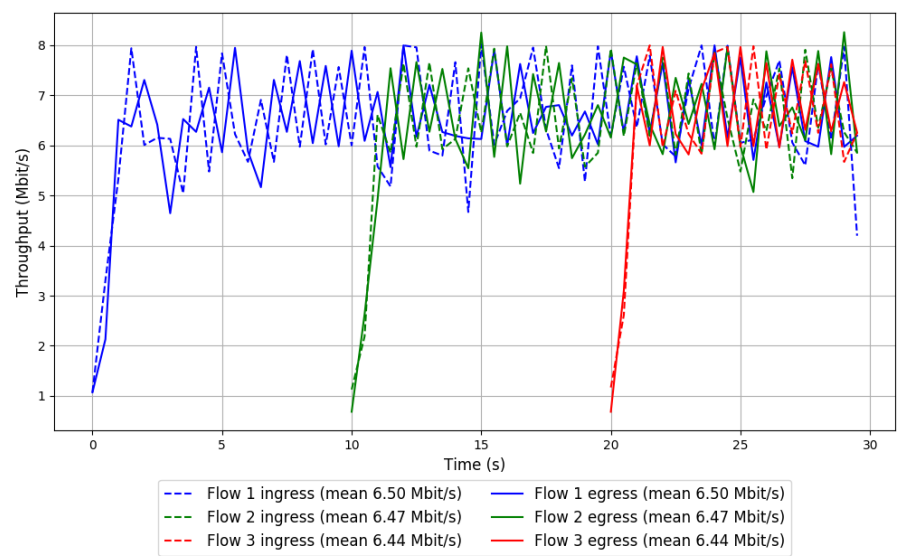
-- Flow 3:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 64.385 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-10 07:28:19

End at: 2018-01-10 07:28:49

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.75 Mbit/s

95th percentile per-packet one-way delay: 64.451 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 6.40 Mbit/s

95th percentile per-packet one-way delay: 64.359 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 64.499 ms

Loss rate: 0.00%

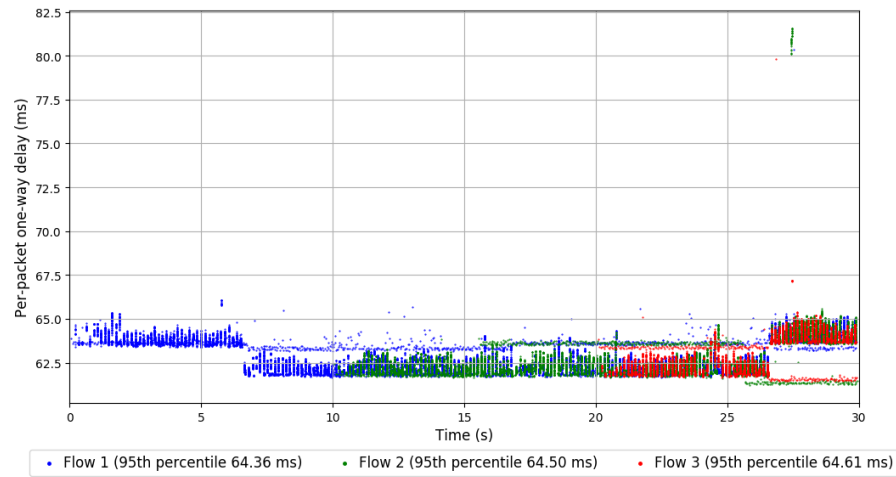
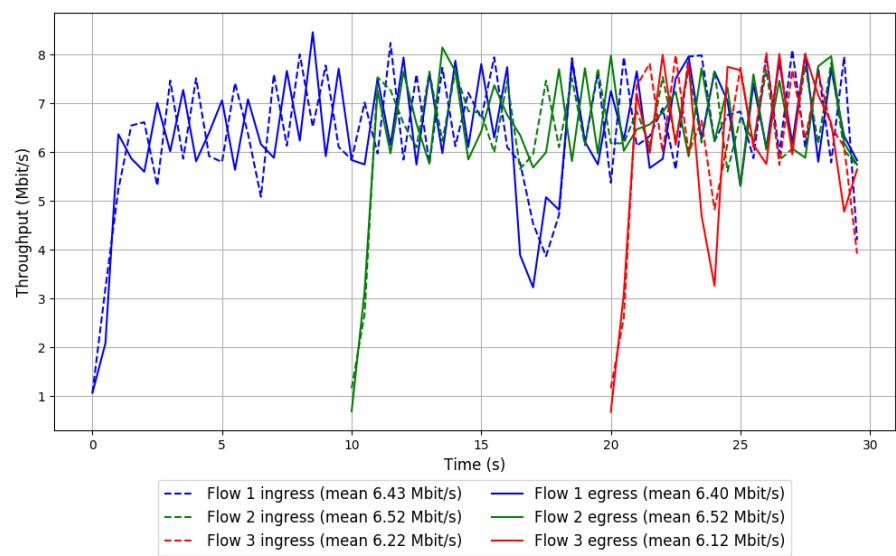
-- Flow 3:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 64.608 ms

Loss rate: 1.59%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-10 07:42:10

End at: 2018-01-10 07:42:40

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.63 Mbit/s

95th percentile per-packet one-way delay: 64.796 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 64.850 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 6.20 Mbit/s

95th percentile per-packet one-way delay: 64.713 ms

Loss rate: 1.50%

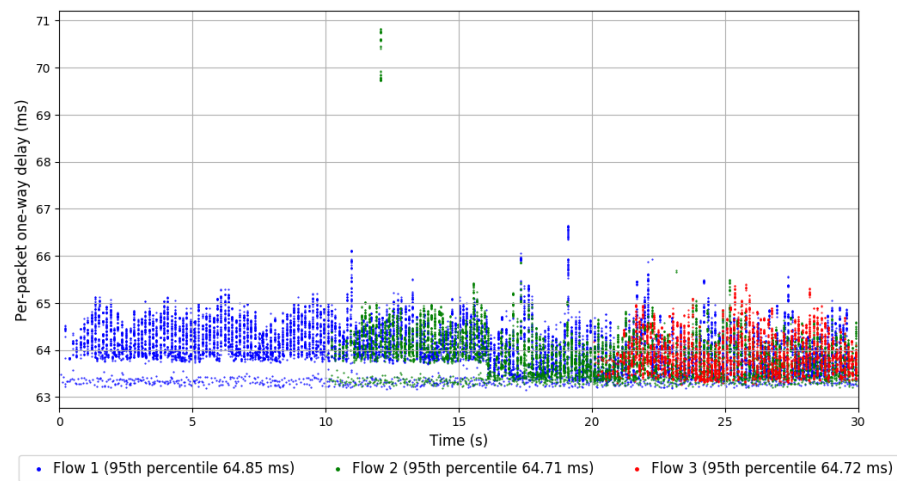
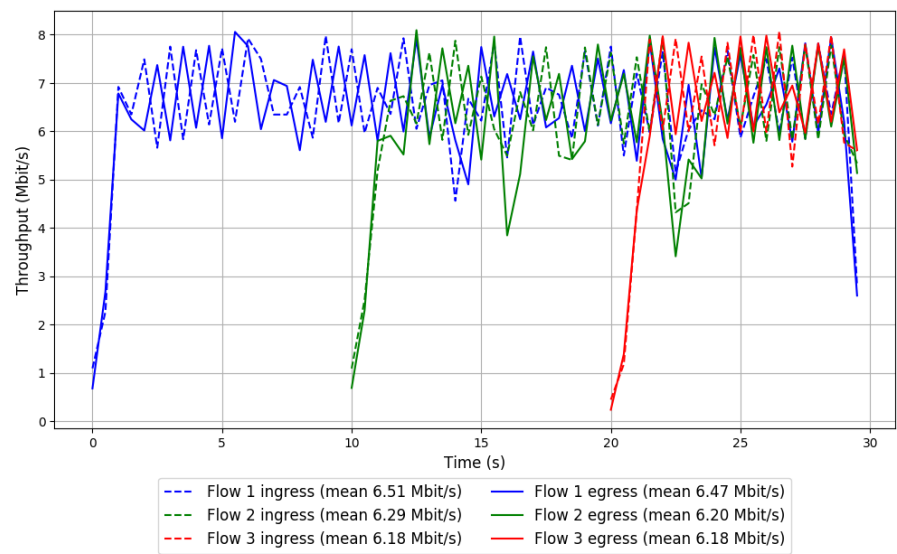
-- Flow 3:

Average throughput: 6.18 Mbit/s

95th percentile per-packet one-way delay: 64.716 ms

Loss rate: 0.04%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-10 07:56:40

End at: 2018-01-10 07:57:10

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.95 Mbit/s

95th percentile per-packet one-way delay: 64.626 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.62 Mbit/s

95th percentile per-packet one-way delay: 64.769 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 64.436 ms

Loss rate: 0.00%

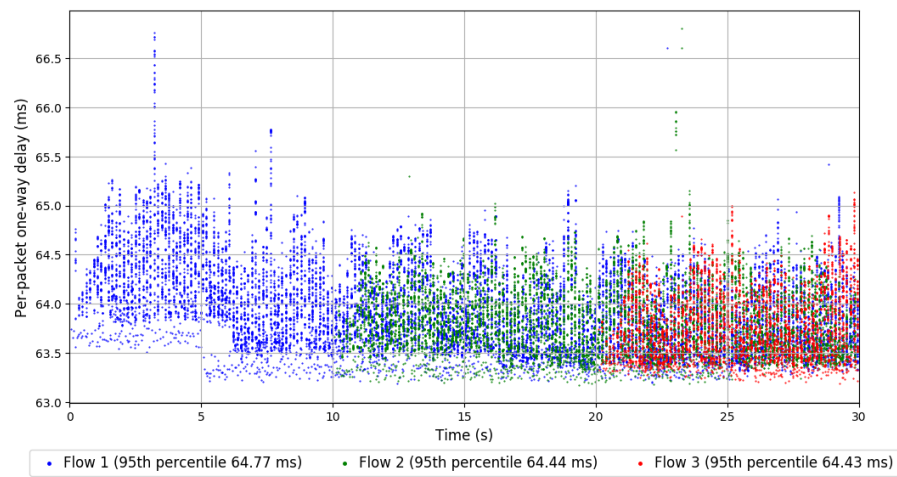
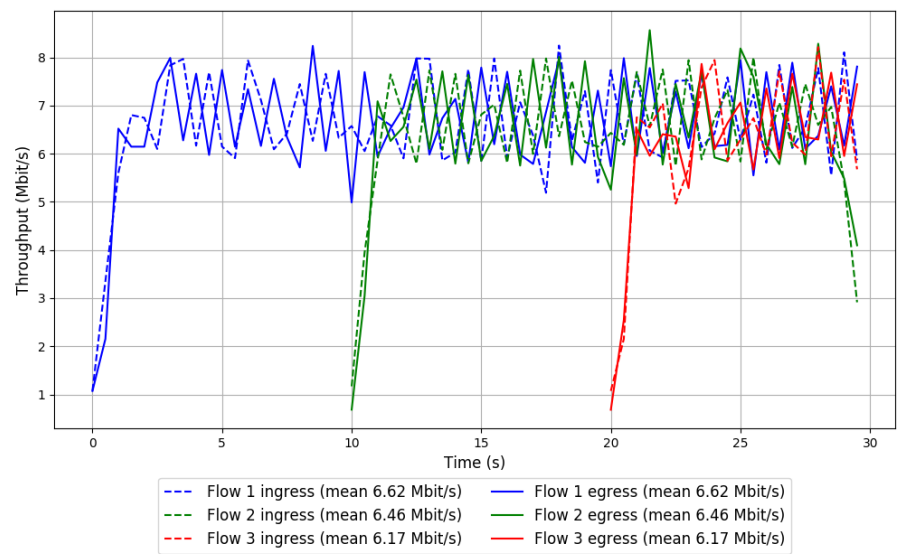
-- Flow 3:

Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 64.429 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-10 08:11:01

End at: 2018-01-10 08:11:31

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.89 Mbit/s

95th percentile per-packet one-way delay: 64.776 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 64.838 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 64.696 ms

Loss rate: 0.00%

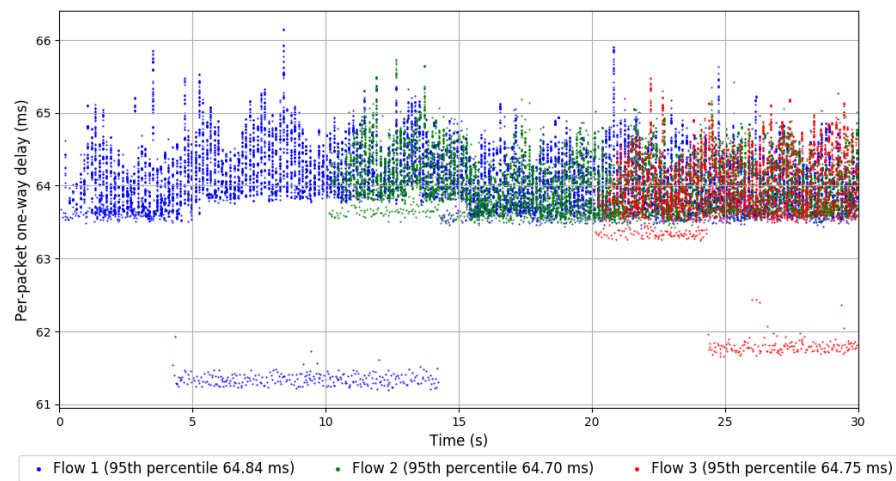
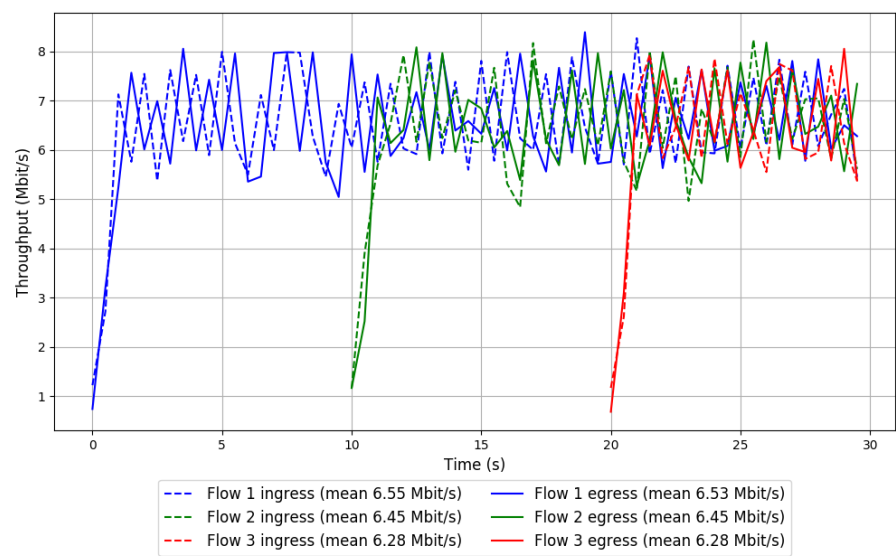
-- Flow 3:

Average throughput: 6.28 Mbit/s

95th percentile per-packet one-way delay: 64.755 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-10 08:25:08

End at: 2018-01-10 08:25:38

Below is generated by plot.py at 2018-01-10 10:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.85 Mbit/s

95th percentile per-packet one-way delay: 64.733 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 6.60 Mbit/s

95th percentile per-packet one-way delay: 64.721 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 64.689 ms

Loss rate: 0.00%

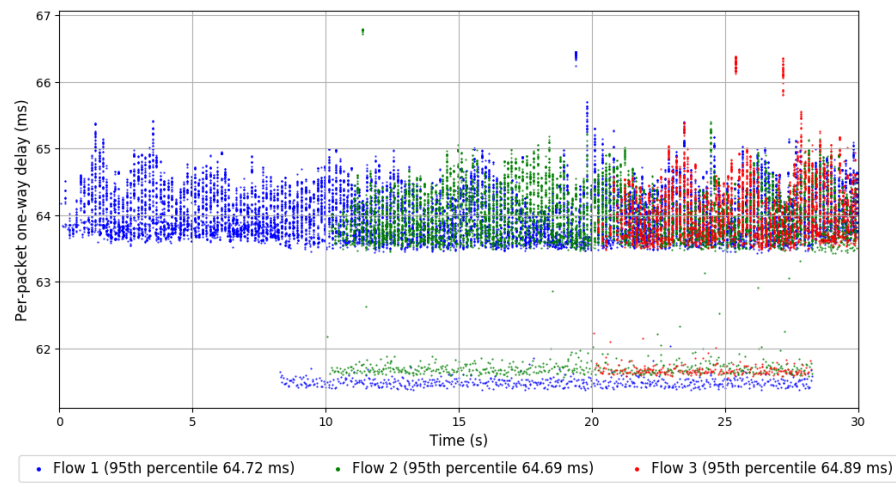
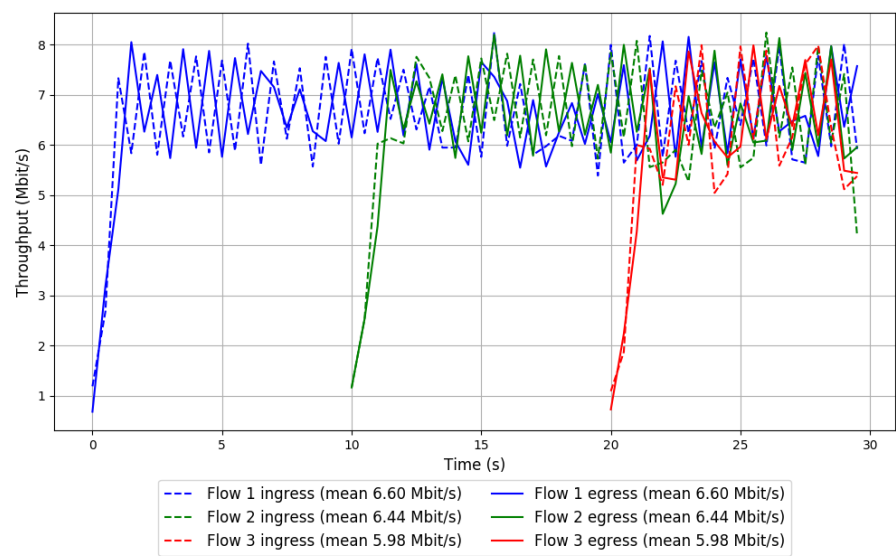
-- Flow 3:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 64.885 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

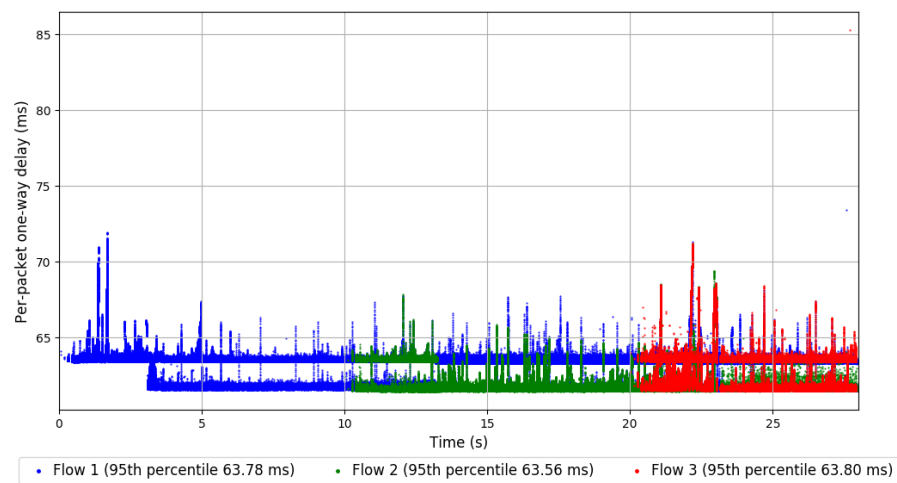
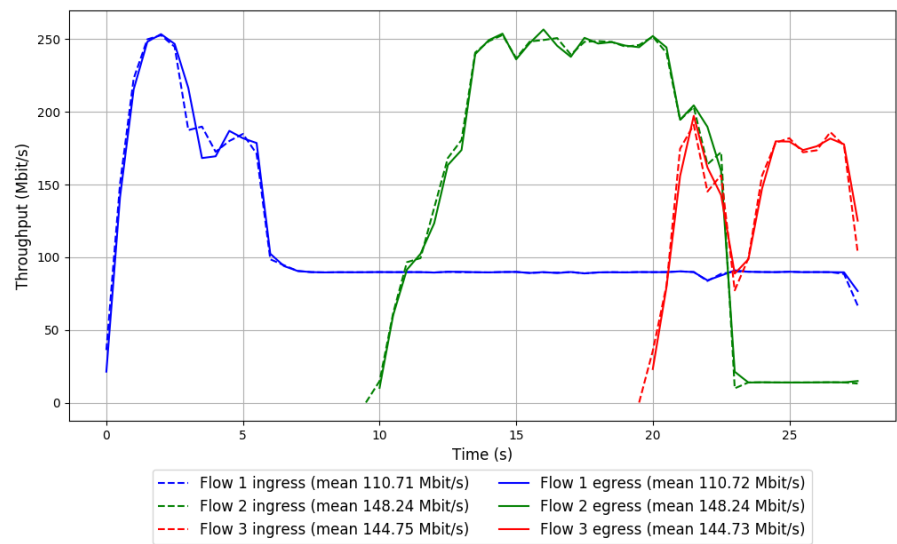


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-10 06:14:01
End at: 2018-01-10 06:14:31

# Below is generated by plot.py at 2018-01-10 10:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 247.15 Mbit/s
95th percentile per-packet one-way delay: 63.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.72 Mbit/s
95th percentile per-packet one-way delay: 63.784 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 148.24 Mbit/s
95th percentile per-packet one-way delay: 63.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.73 Mbit/s
95th percentile per-packet one-way delay: 63.804 ms
Loss rate: 0.00%
```


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

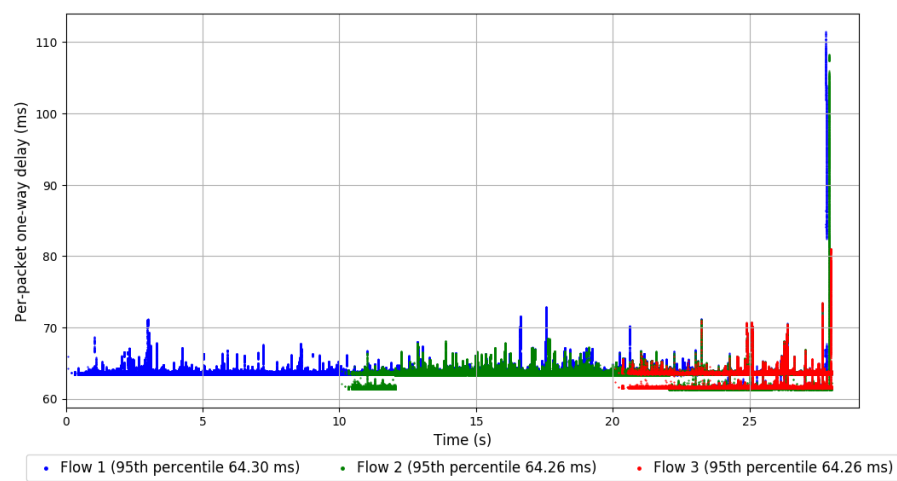
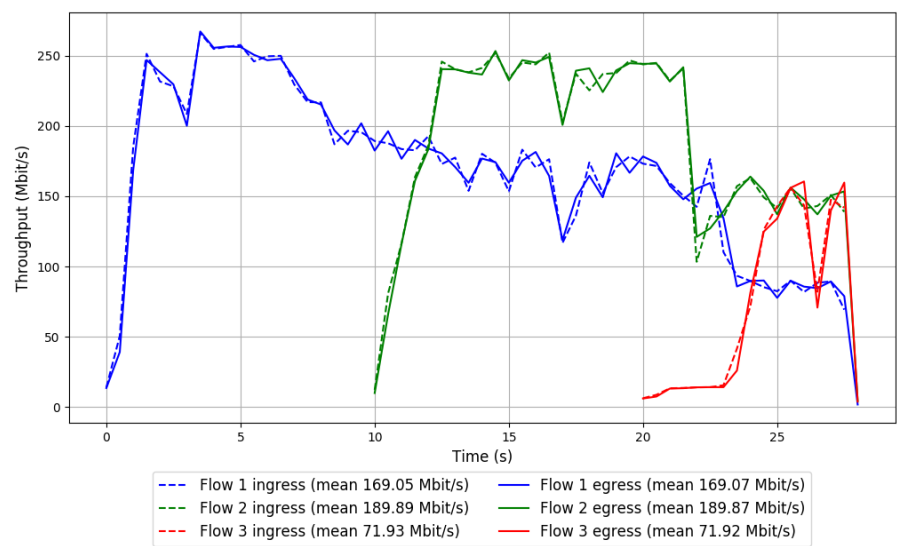


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-10 06:28:11
End at: 2018-01-10 06:28:41

# Below is generated by plot.py at 2018-01-10 10:34:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 311.35 Mbit/s
95th percentile per-packet one-way delay: 64.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.07 Mbit/s
95th percentile per-packet one-way delay: 64.304 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 189.87 Mbit/s
95th percentile per-packet one-way delay: 64.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 64.258 ms
Loss rate: 0.00%
```

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

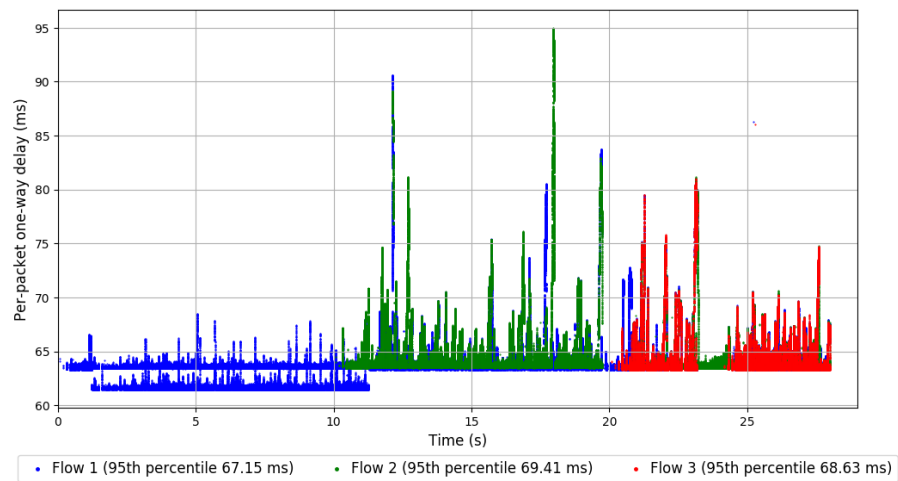
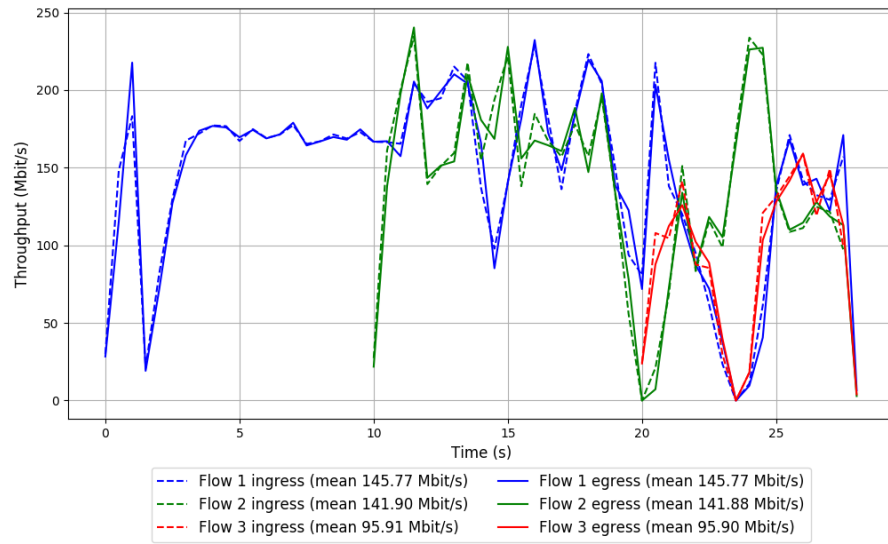


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-10 06:42:33
End at: 2018-01-10 06:43:03

# Below is generated by plot.py at 2018-01-10 10:34:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 264.07 Mbit/s
95th percentile per-packet one-way delay: 68.073 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 145.77 Mbit/s
95th percentile per-packet one-way delay: 67.153 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 141.88 Mbit/s
95th percentile per-packet one-way delay: 69.413 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 68.634 ms
Loss rate: 0.03%
```

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

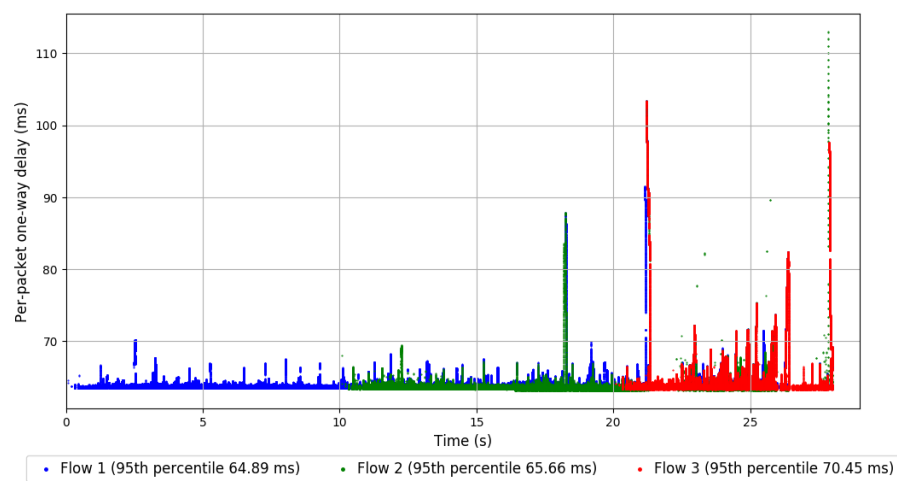
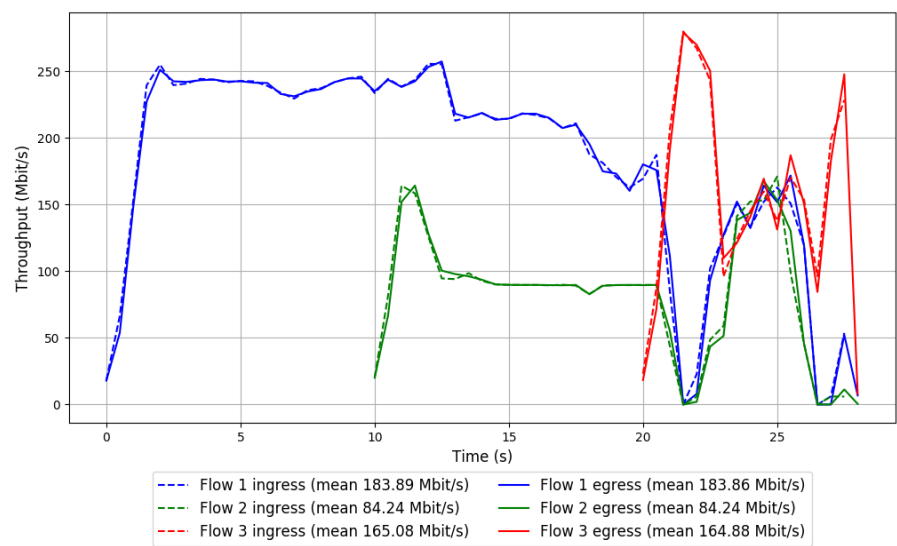


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-01-10 06:56:26
End at: 2018-01-10 06:56:56

# Below is generated by plot.py at 2018-01-10 10:34:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 284.71 Mbit/s
95th percentile per-packet one-way delay: 65.474 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 183.86 Mbit/s
95th percentile per-packet one-way delay: 64.888 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 65.657 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 164.88 Mbit/s
95th percentile per-packet one-way delay: 70.451 ms
Loss rate: 0.14%
```

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-10 07:09:36

End at: 2018-01-10 07:10:06

Below is generated by plot.py at 2018-01-10 10:34:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.00 Mbit/s

95th percentile per-packet one-way delay: 63.809 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 167.06 Mbit/s

95th percentile per-packet one-way delay: 63.478 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 129.64 Mbit/s

95th percentile per-packet one-way delay: 64.811 ms

Loss rate: 0.00%

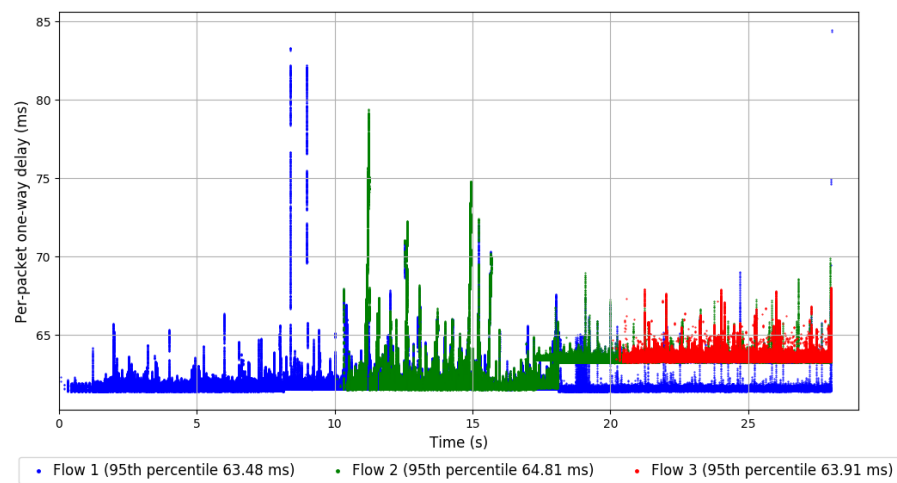
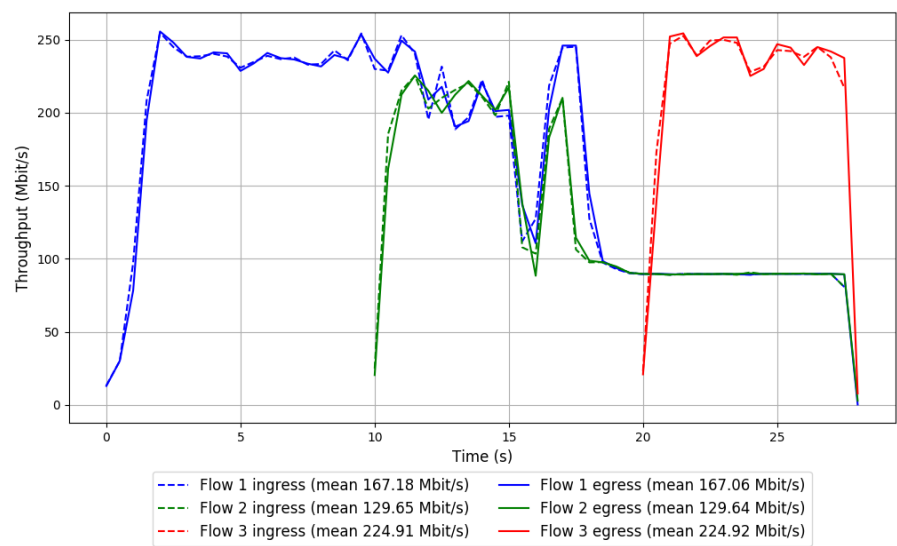
-- Flow 3:

Average throughput: 224.92 Mbit/s

95th percentile per-packet one-way delay: 63.911 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-10 07:23:46

End at: 2018-01-10 07:24:16

Below is generated by plot.py at 2018-01-10 10:34:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.07 Mbit/s

95th percentile per-packet one-way delay: 64.201 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 155.34 Mbit/s

95th percentile per-packet one-way delay: 64.055 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 158.71 Mbit/s

95th percentile per-packet one-way delay: 64.203 ms

Loss rate: 0.00%

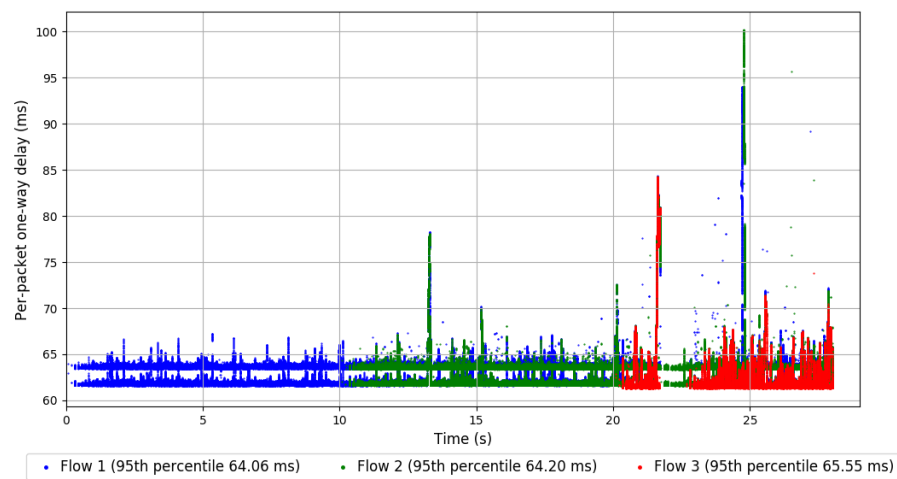
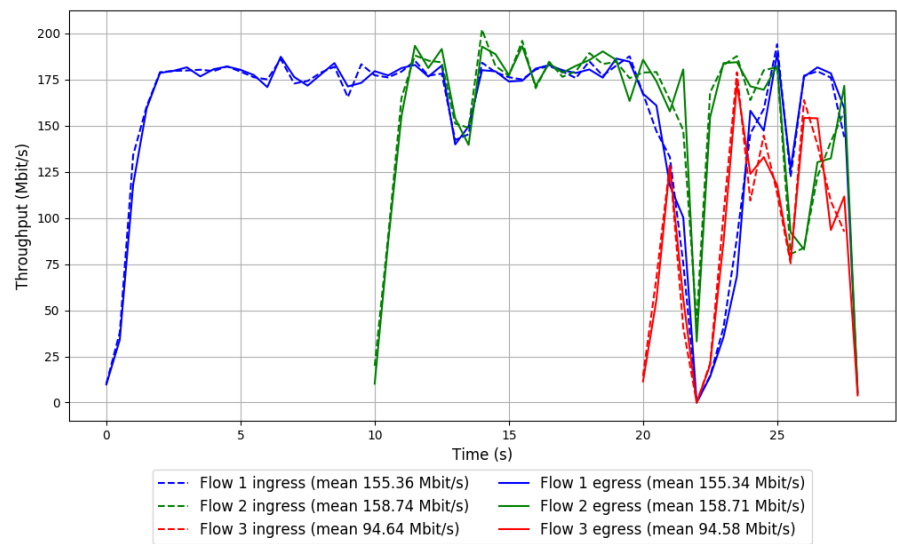
-- Flow 3:

Average throughput: 94.58 Mbit/s

95th percentile per-packet one-way delay: 65.549 ms

Loss rate: 0.07%

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

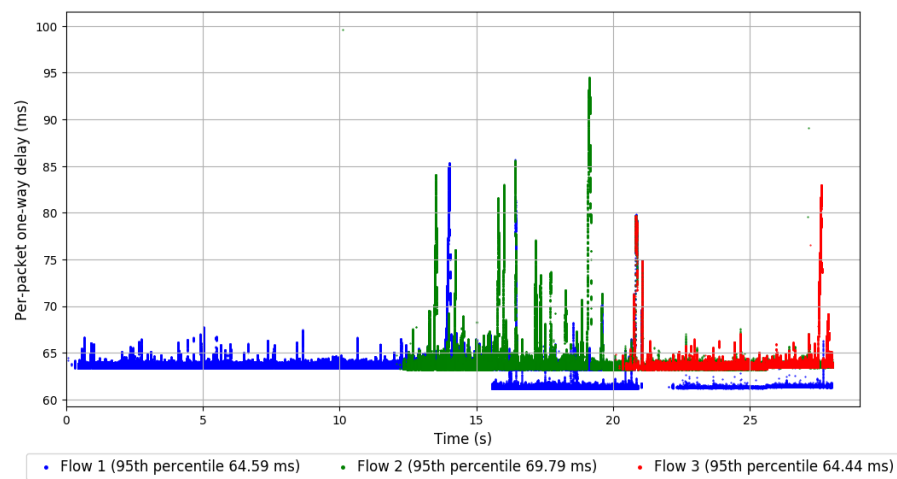
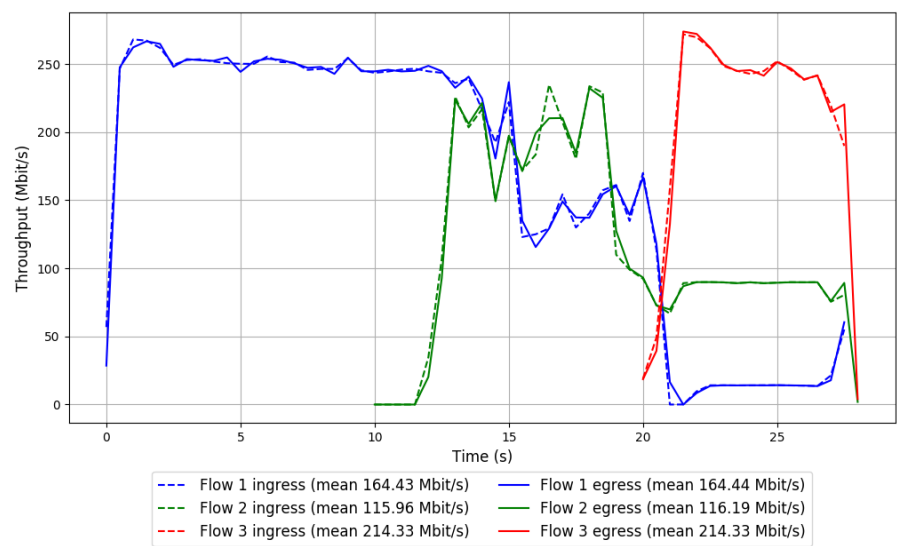


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-10 07:37:28
End at: 2018-01-10 07:37:58

# Below is generated by plot.py at 2018-01-10 10:37:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 299.45 Mbit/s
95th percentile per-packet one-way delay: 65.339 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 164.44 Mbit/s
95th percentile per-packet one-way delay: 64.589 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.19 Mbit/s
95th percentile per-packet one-way delay: 69.786 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 214.33 Mbit/s
95th percentile per-packet one-way delay: 64.435 ms
Loss rate: 0.03%
```

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-10 07:51:58

End at: 2018-01-10 07:52:28

Below is generated by plot.py at 2018-01-10 10:39:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.16 Mbit/s

95th percentile per-packet one-way delay: 64.591 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 187.11 Mbit/s

95th percentile per-packet one-way delay: 64.609 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 145.90 Mbit/s

95th percentile per-packet one-way delay: 64.362 ms

Loss rate: 0.00%

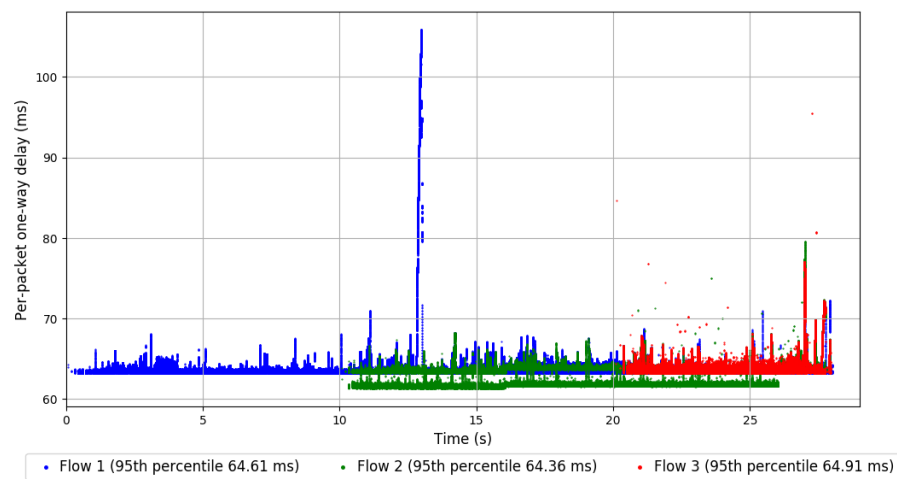
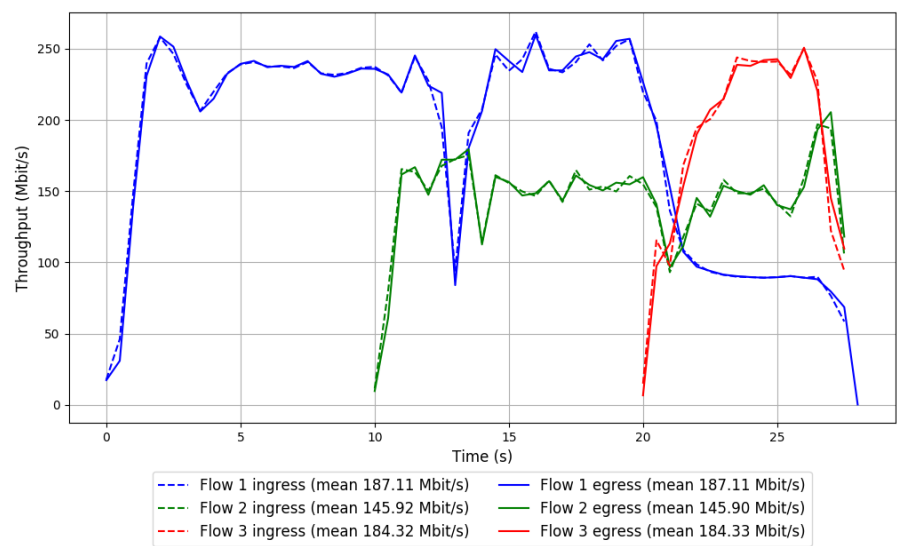
-- Flow 3:

Average throughput: 184.33 Mbit/s

95th percentile per-packet one-way delay: 64.913 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-10 08:06:26

End at: 2018-01-10 08:06:56

Below is generated by plot.py at 2018-01-10 10:39:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.97 Mbit/s

95th percentile per-packet one-way delay: 64.994 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 173.55 Mbit/s

95th percentile per-packet one-way delay: 63.945 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.09 Mbit/s

95th percentile per-packet one-way delay: 66.040 ms

Loss rate: 0.00%

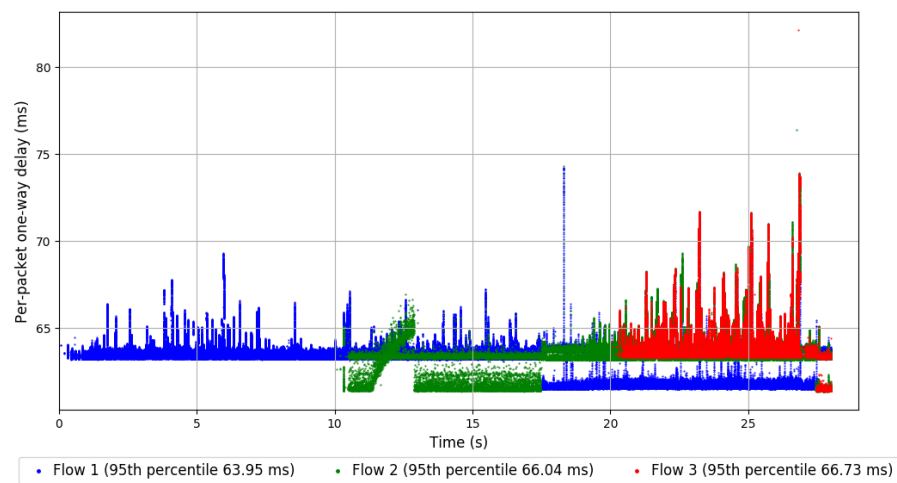
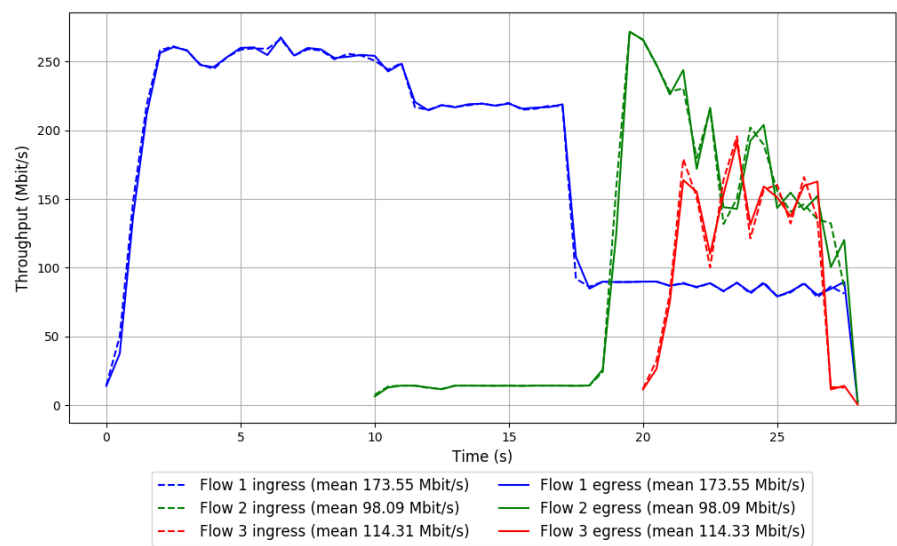
-- Flow 3:

Average throughput: 114.33 Mbit/s

95th percentile per-packet one-way delay: 66.727 ms

Loss rate: 0.00%

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

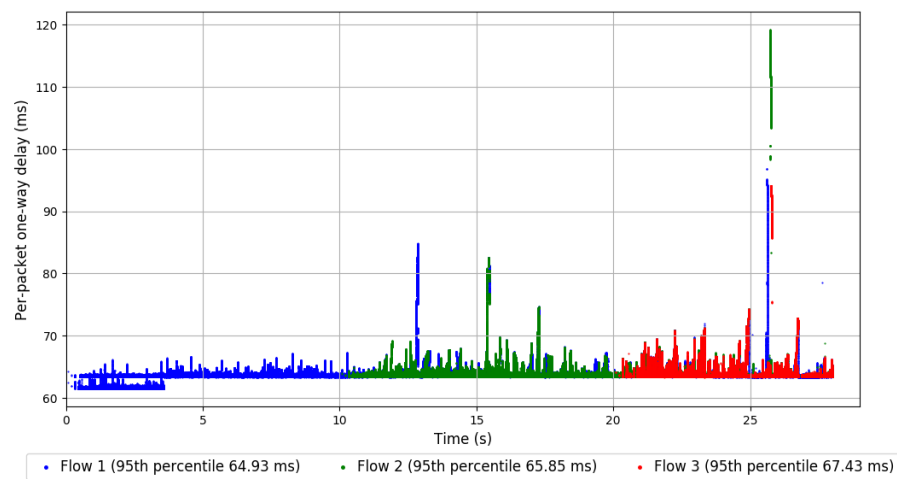
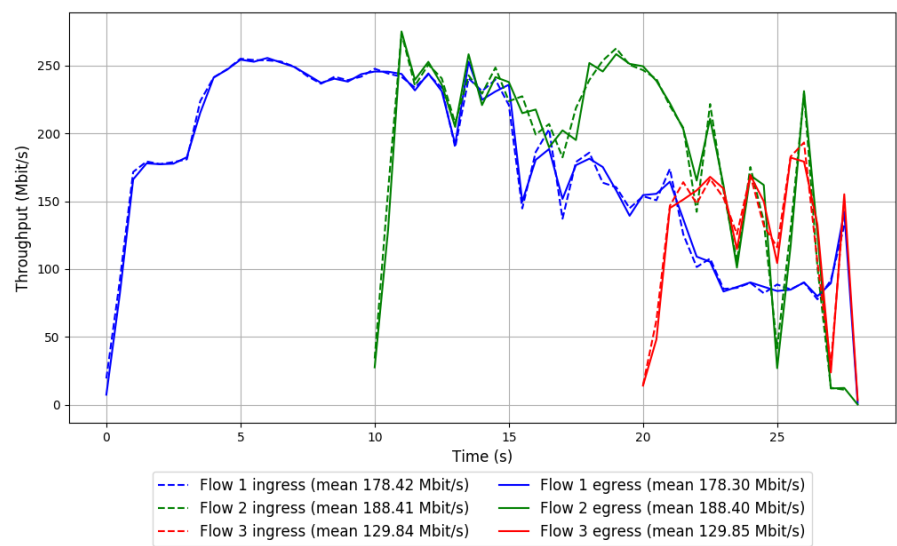


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-10 08:20:29
End at: 2018-01-10 08:20:59

# Below is generated by plot.py at 2018-01-10 10:42:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 336.02 Mbit/s
95th percentile per-packet one-way delay: 65.530 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 178.30 Mbit/s
95th percentile per-packet one-way delay: 64.931 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 188.40 Mbit/s
95th percentile per-packet one-way delay: 65.846 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.85 Mbit/s
95th percentile per-packet one-way delay: 67.429 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-10 06:12:13

End at: 2018-01-10 06:12:43

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 65.500 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 12.75 Mbit/s

95th percentile per-packet one-way delay: 64.850 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 39.94 Mbit/s

95th percentile per-packet one-way delay: 65.195 ms

Loss rate: 1.14%

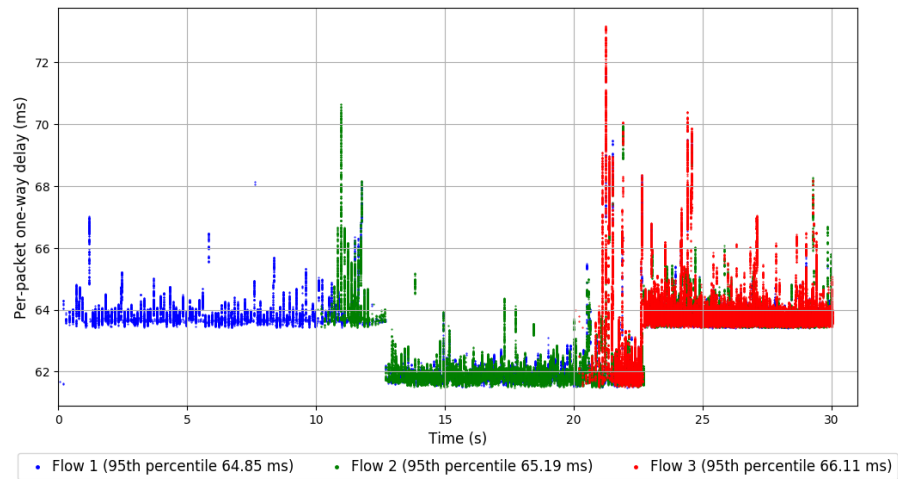
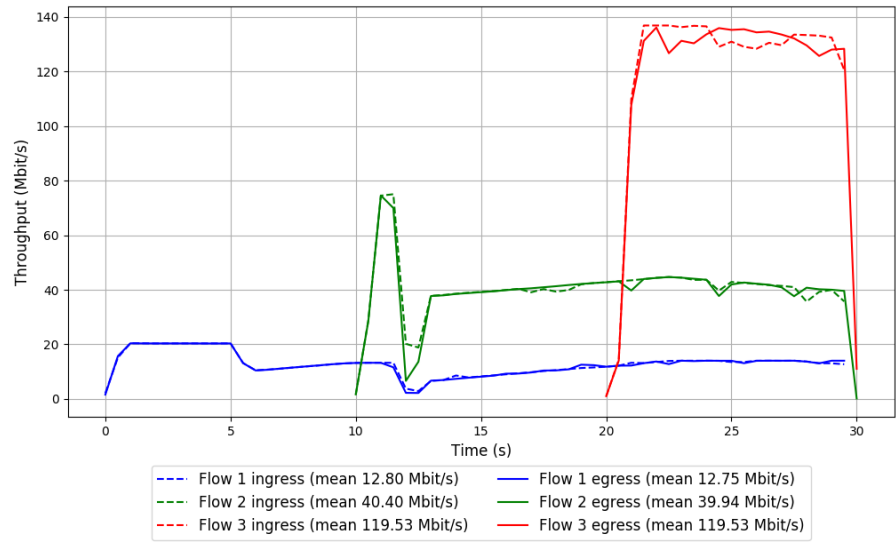
-- Flow 3:

Average throughput: 119.53 Mbit/s

95th percentile per-packet one-way delay: 66.110 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-10 06:26:16

End at: 2018-01-10 06:26:46

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 71.428 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 68.183 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.27 Mbit/s

95th percentile per-packet one-way delay: 72.824 ms

Loss rate: 0.27%

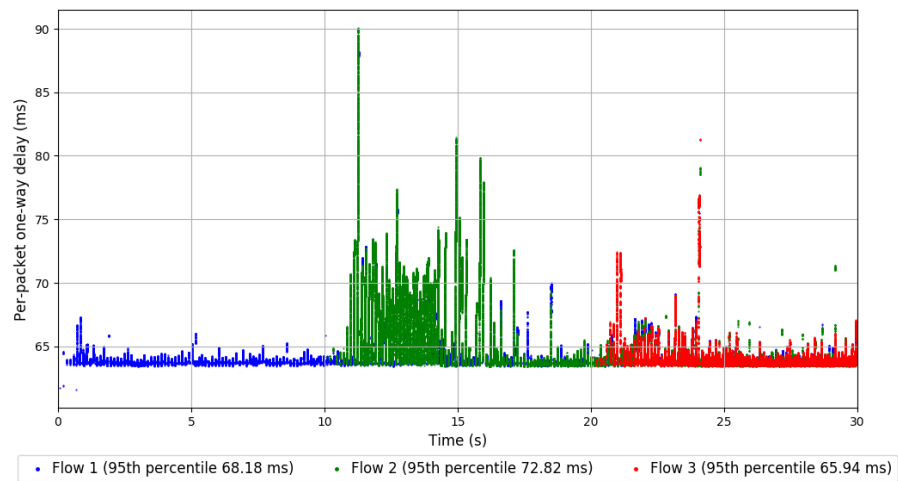
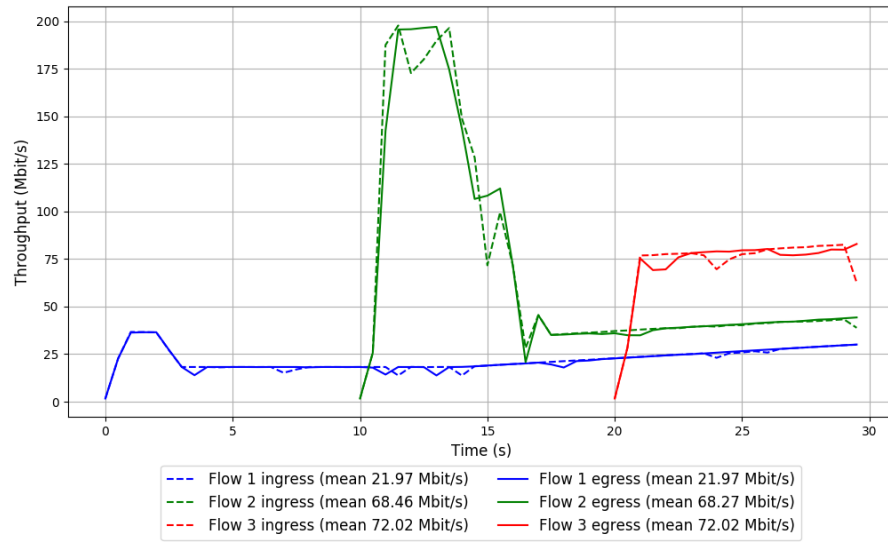
-- Flow 3:

Average throughput: 72.02 Mbit/s

95th percentile per-packet one-way delay: 65.938 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-10 06:40:39

End at: 2018-01-10 06:41:09

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.20 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.70 Mbit/s

95th percentile per-packet one-way delay: 64.203 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 64.557 ms

Loss rate: 0.00%

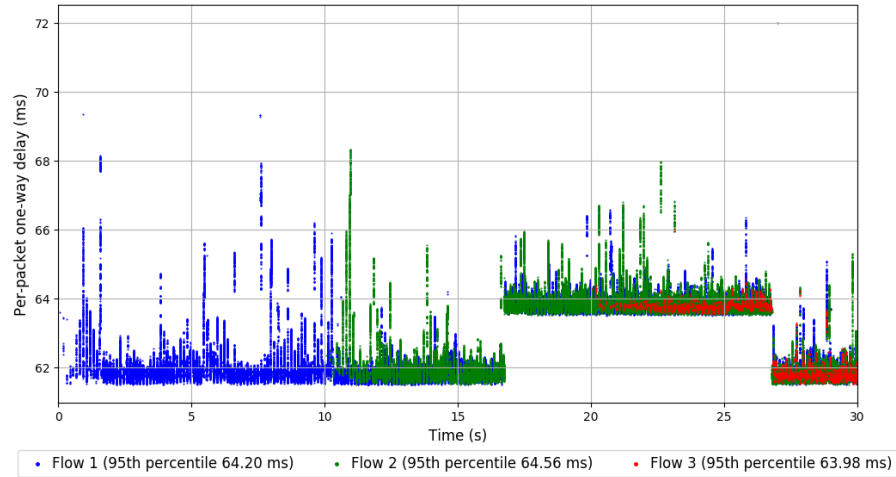
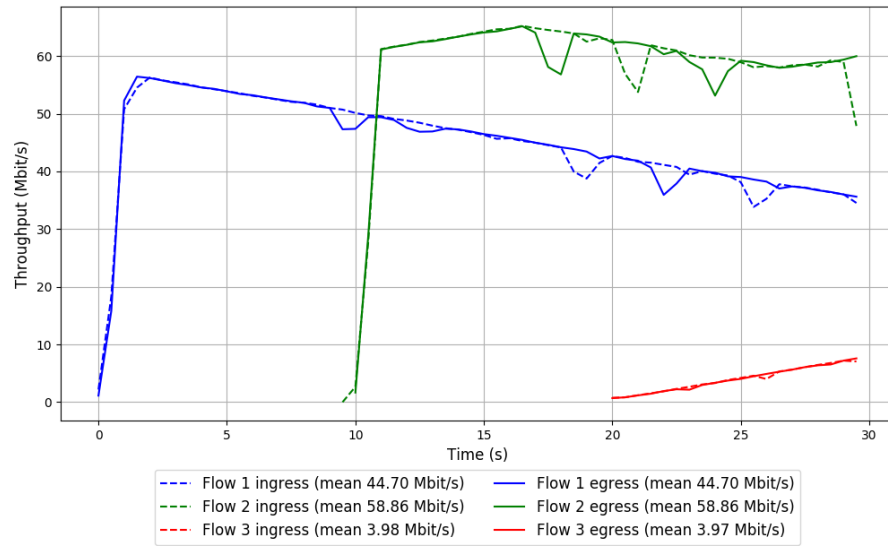
-- Flow 3:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 63.983 ms

Loss rate: 0.06%

Run 3: Report of TCP Vegas — Data Link

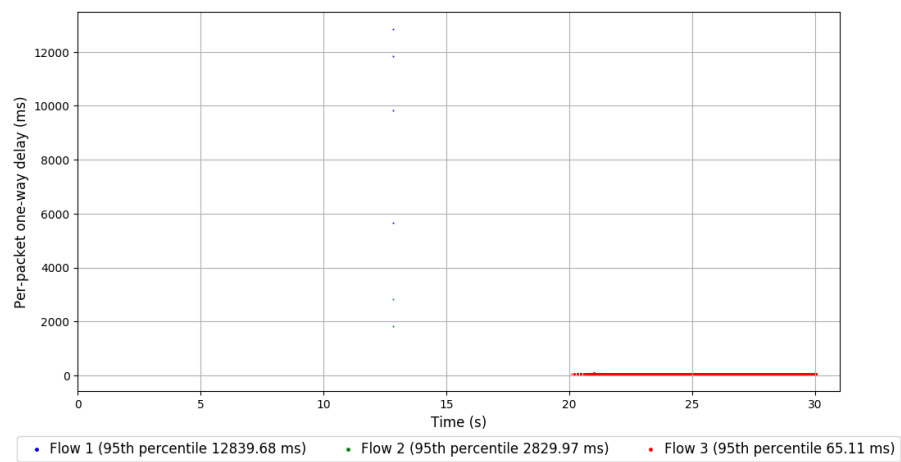
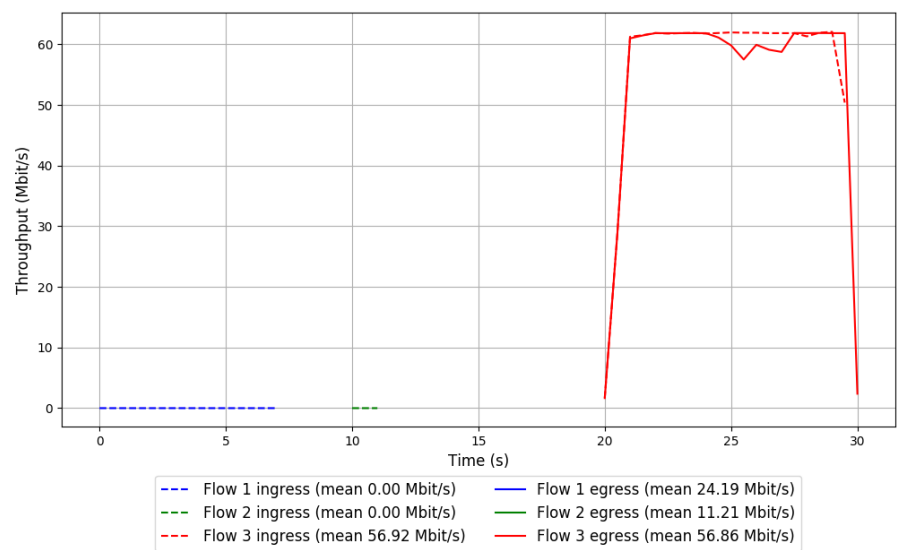


Run 4: Statistics of TCP Vegas

Start at: 2018-01-10 06:54:38

End at: 2018-01-10 06:55:08

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-10 07:07:45

End at: 2018-01-10 07:08:15

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.73 Mbit/s

95th percentile per-packet one-way delay: 65.035 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.78 Mbit/s

95th percentile per-packet one-way delay: 65.169 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 64.610 ms

Loss rate: 0.00%

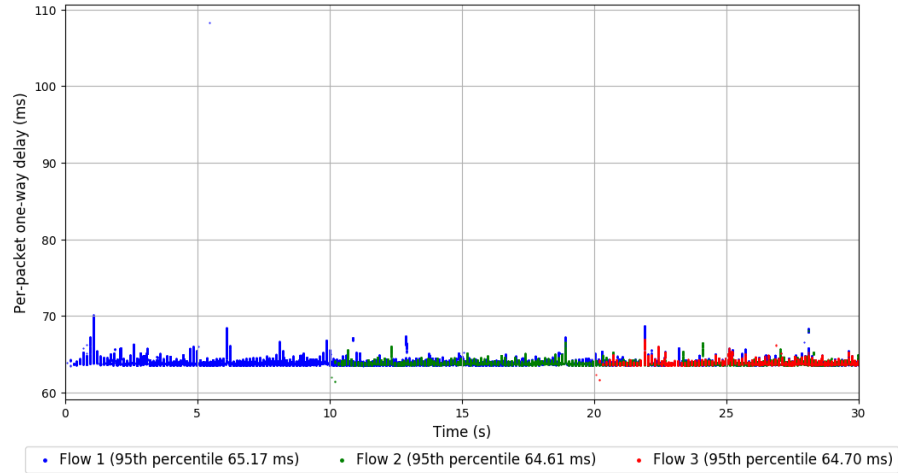
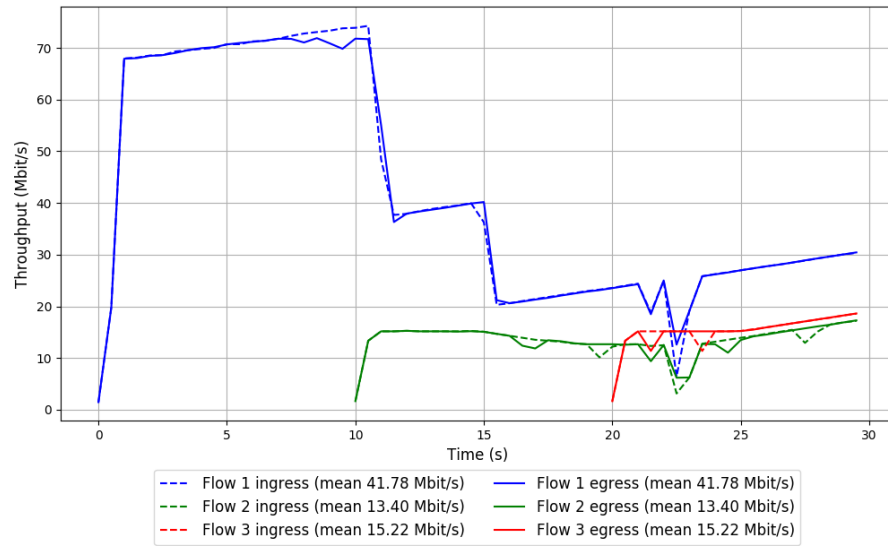
-- Flow 3:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 64.705 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-10 07:21:51

End at: 2018-01-10 07:22:21

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 112.83 Mbit/s

95th percentile per-packet one-way delay: 64.477 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.55 Mbit/s

95th percentile per-packet one-way delay: 64.444 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.50 Mbit/s

95th percentile per-packet one-way delay: 64.527 ms

Loss rate: 0.00%

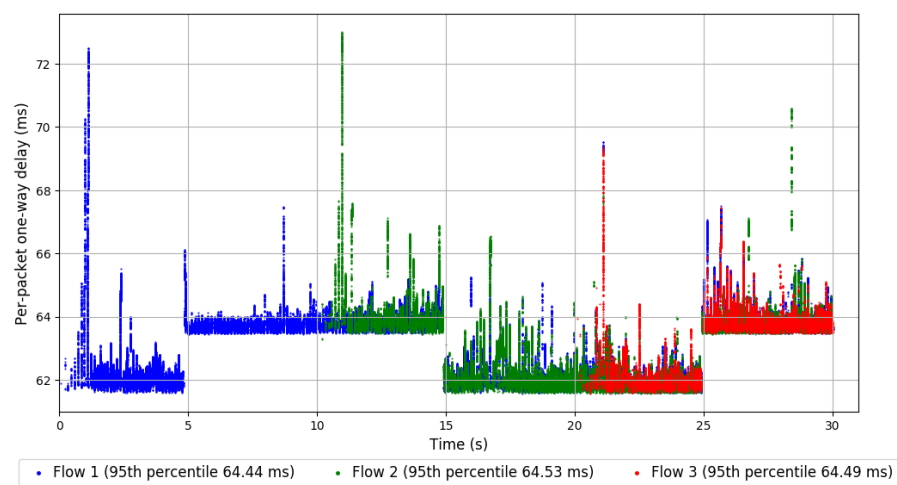
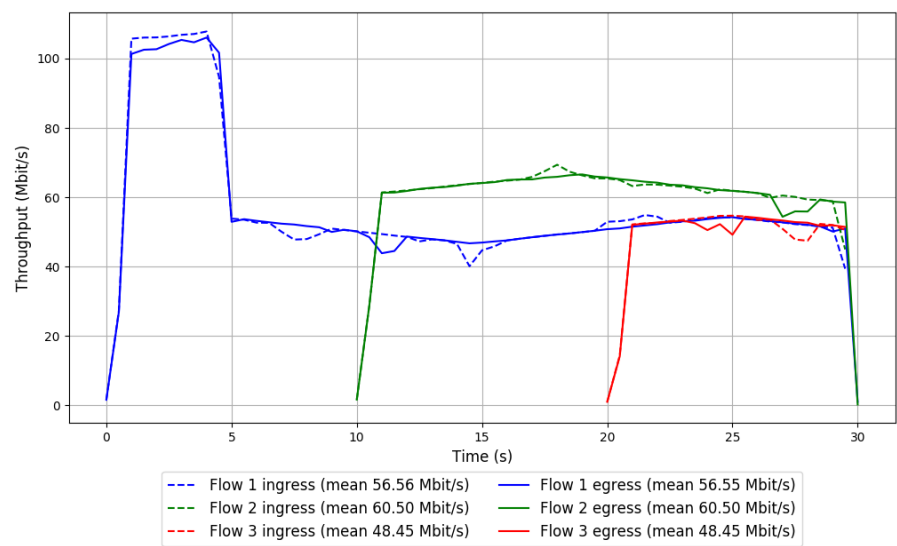
-- Flow 3:

Average throughput: 48.45 Mbit/s

95th percentile per-packet one-way delay: 64.494 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

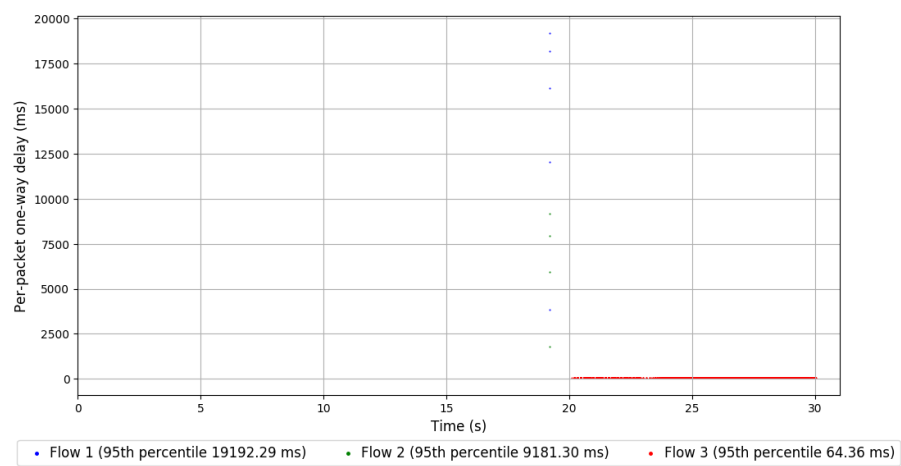
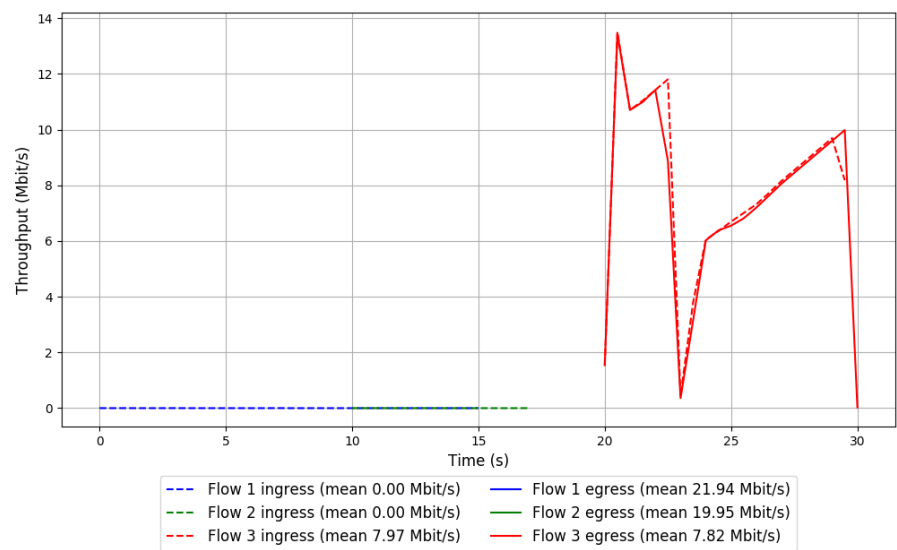


Run 7: Statistics of TCP Vegas

Start at: 2018-01-10 07:35:41

End at: 2018-01-10 07:36:11

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-10 07:50:02

End at: 2018-01-10 07:50:32

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.89 Mbit/s

95th percentile per-packet one-way delay: 65.809 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.46 Mbit/s

95th percentile per-packet one-way delay: 65.515 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 63.90 Mbit/s

95th percentile per-packet one-way delay: 65.660 ms

Loss rate: 0.00%

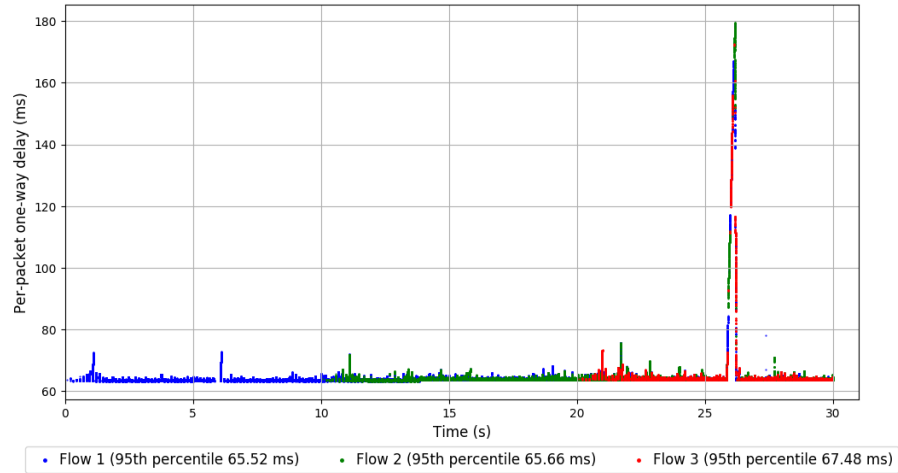
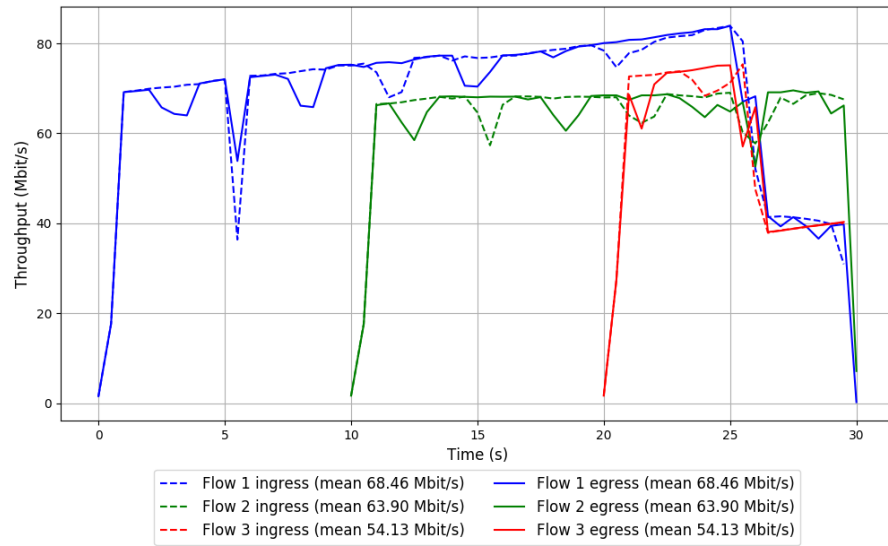
-- Flow 3:

Average throughput: 54.13 Mbit/s

95th percentile per-packet one-way delay: 67.479 ms

Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-10 08:04:33

End at: 2018-01-10 08:05:03

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.51 Mbit/s

95th percentile per-packet one-way delay: 64.846 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.87 Mbit/s

95th percentile per-packet one-way delay: 64.871 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.80 Mbit/s

95th percentile per-packet one-way delay: 64.776 ms

Loss rate: 0.00%

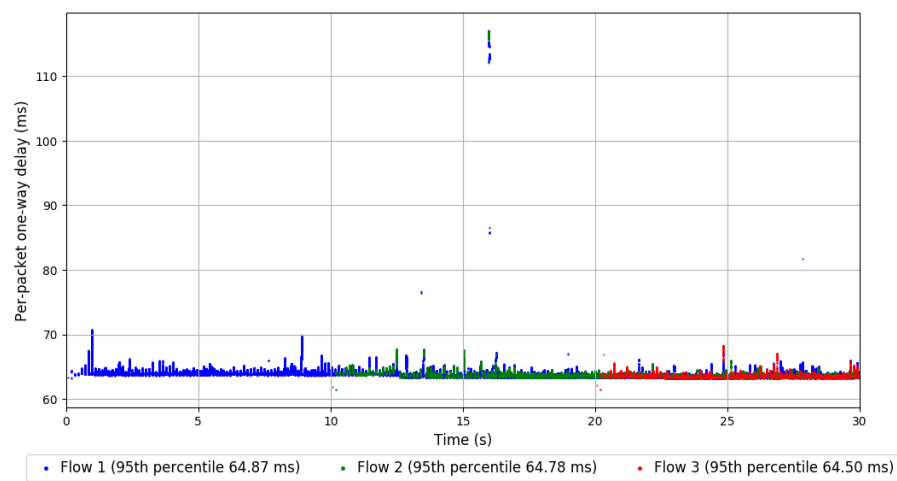
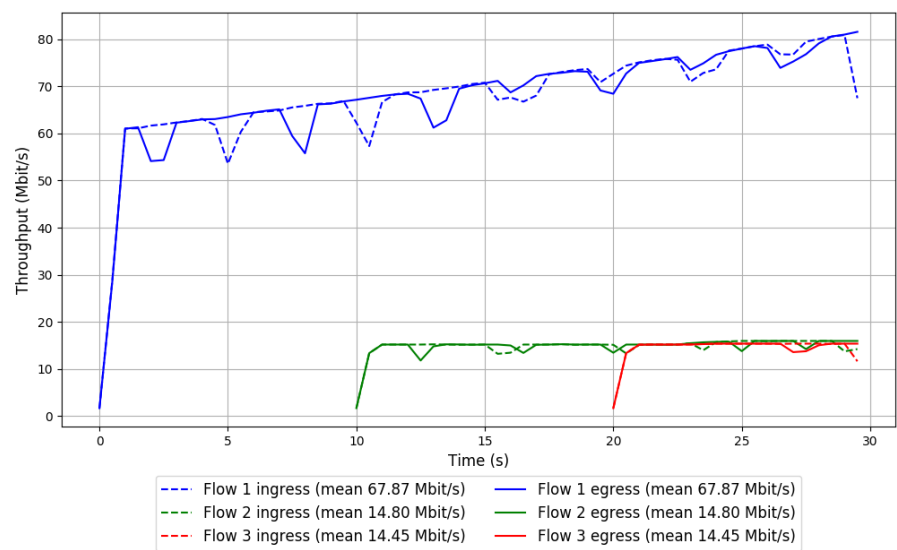
-- Flow 3:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 64.498 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-10 08:18:39

End at: 2018-01-10 08:19:09

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.61 Mbit/s

95th percentile per-packet one-way delay: 65.127 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 64.883 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 45.85 Mbit/s

95th percentile per-packet one-way delay: 65.271 ms

Loss rate: 0.57%

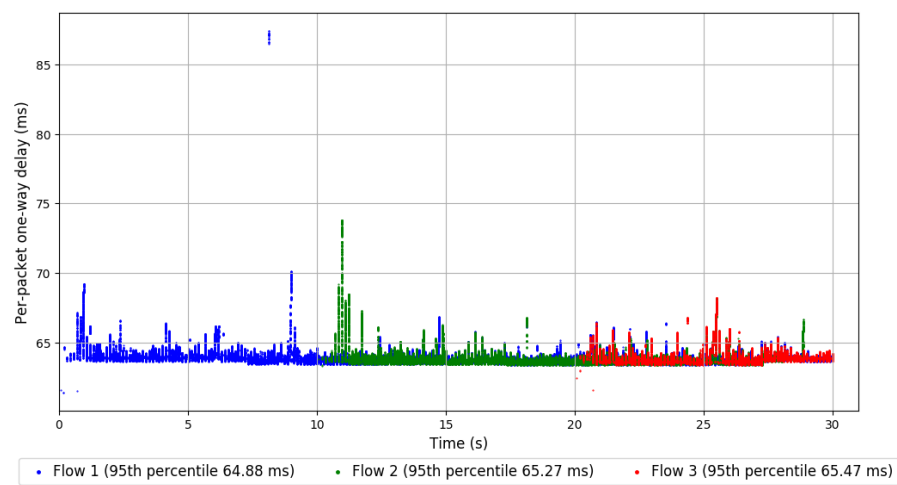
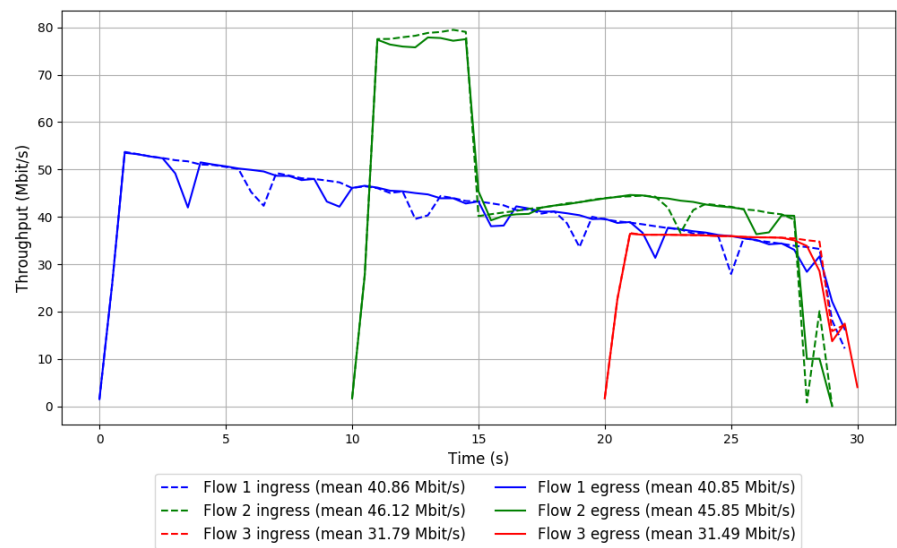
-- Flow 3:

Average throughput: 31.49 Mbit/s

95th percentile per-packet one-way delay: 65.467 ms

Loss rate: 0.93%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-10 06:20:47

End at: 2018-01-10 06:21:17

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.87 Mbit/s

95th percentile per-packet one-way delay: 204.058 ms

Loss rate: 2.20%

-- Flow 1:

Average throughput: 221.49 Mbit/s

95th percentile per-packet one-way delay: 183.607 ms

Loss rate: 2.09%

-- Flow 2:

Average throughput: 154.32 Mbit/s

95th percentile per-packet one-way delay: 176.329 ms

Loss rate: 0.38%

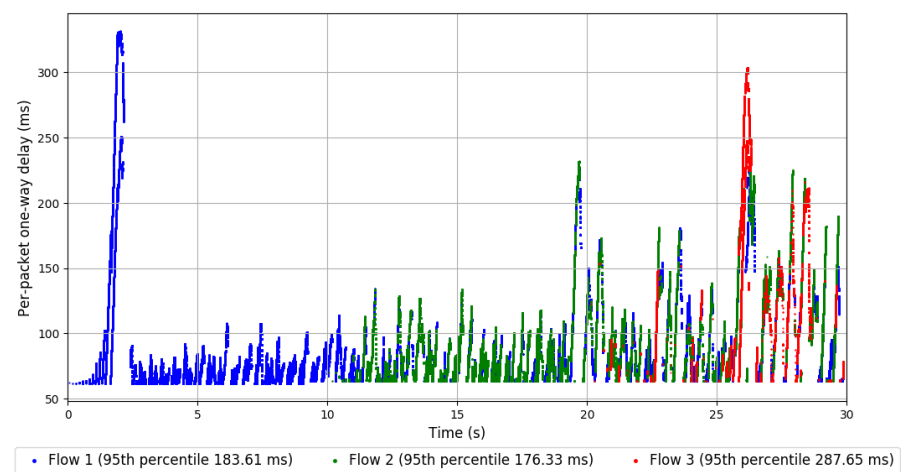
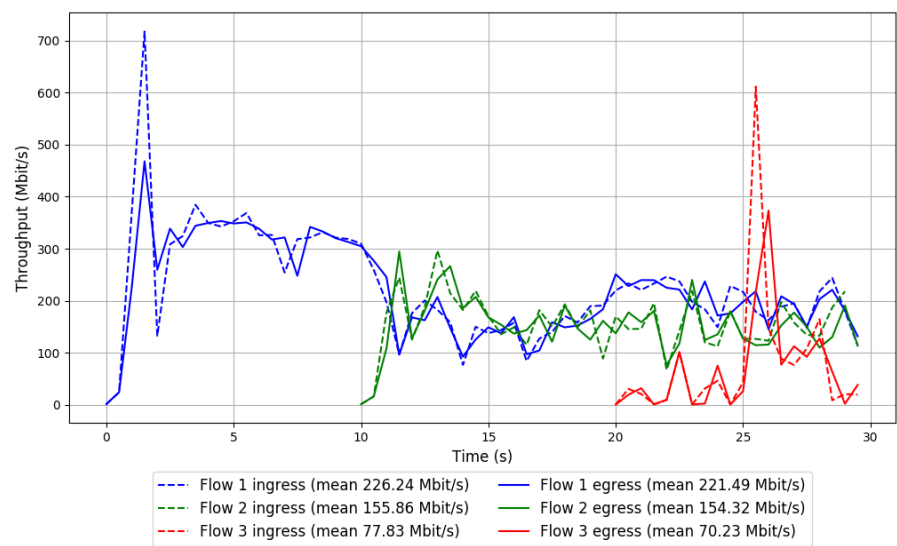
-- Flow 3:

Average throughput: 70.23 Mbit/s

95th percentile per-packet one-way delay: 287.646 ms

Loss rate: 10.33%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-10 06:35:09

End at: 2018-01-10 06:35:39

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 337.21 Mbit/s

95th percentile per-packet one-way delay: 130.097 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 213.91 Mbit/s

95th percentile per-packet one-way delay: 143.419 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 146.17 Mbit/s

95th percentile per-packet one-way delay: 124.844 ms

Loss rate: 0.52%

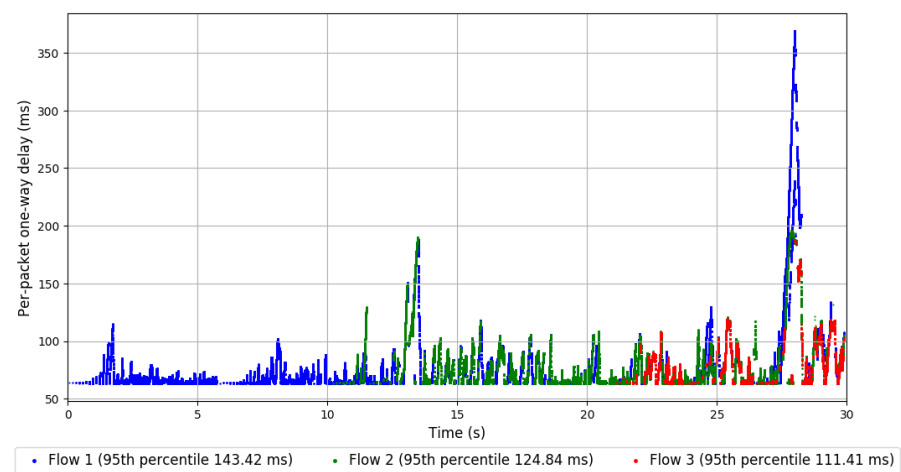
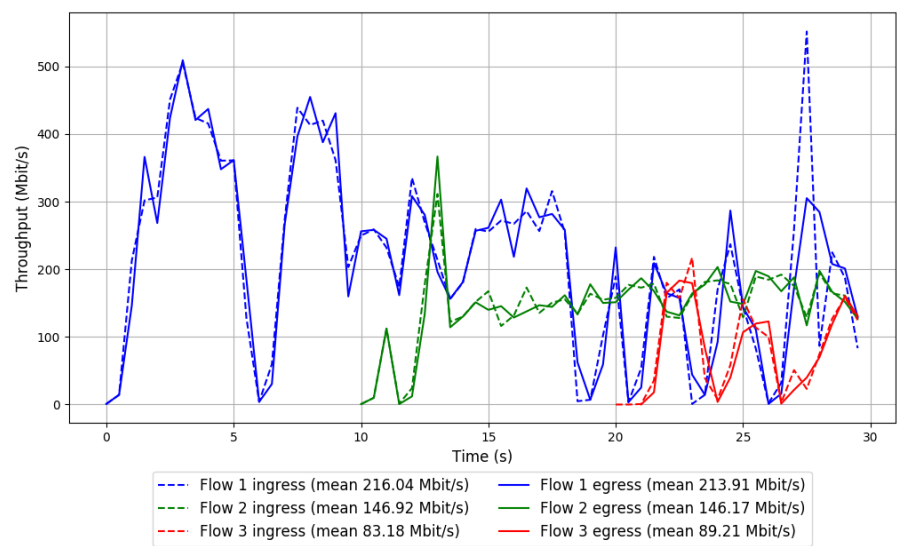
-- Flow 3:

Average throughput: 89.21 Mbit/s

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

Loss rate: 3.74%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-10 06:49:25

End at: 2018-01-10 06:49:55

Below is generated by plot.py at 2018-01-10 10:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.47 Mbit/s

95th percentile per-packet one-way delay: 199.650 ms

Loss rate: 2.81%

-- Flow 1:

Average throughput: 189.17 Mbit/s

95th percentile per-packet one-way delay: 175.477 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 112.61 Mbit/s

95th percentile per-packet one-way delay: 345.332 ms

Loss rate: 8.38%

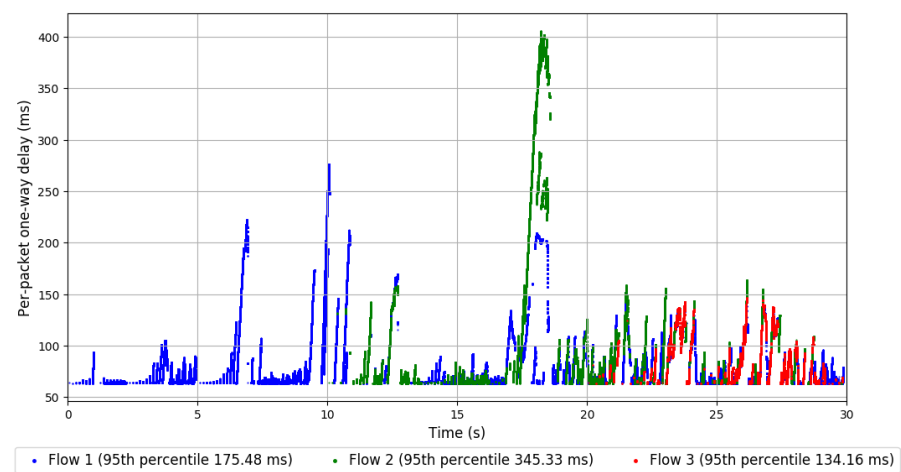
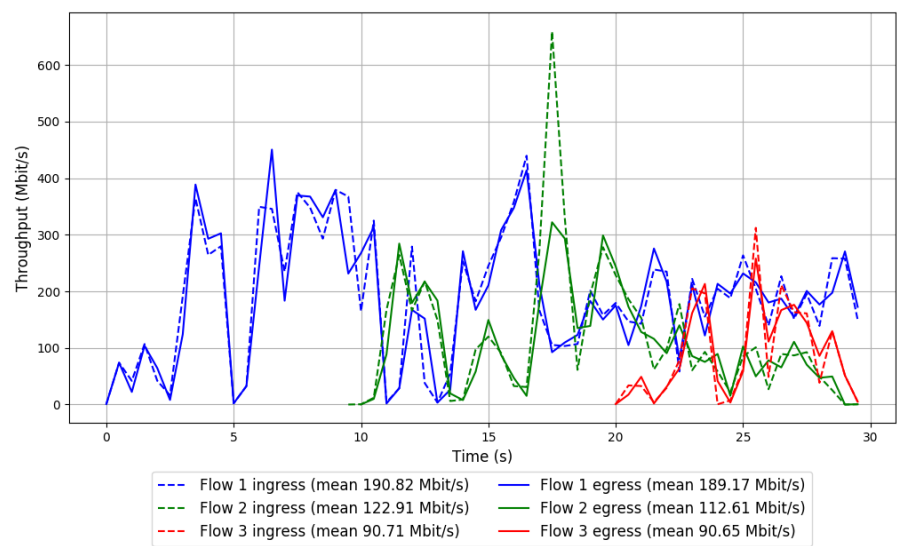
-- Flow 3:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 134.156 ms

Loss rate: 0.01%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-10 07:03:13

End at: 2018-01-10 07:03:43

Below is generated by plot.py at 2018-01-10 10:43:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 358.87 Mbit/s

95th percentile per-packet one-way delay: 136.039 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 221.13 Mbit/s

95th percentile per-packet one-way delay: 136.385 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 172.40 Mbit/s

95th percentile per-packet one-way delay: 135.200 ms

Loss rate: 0.28%

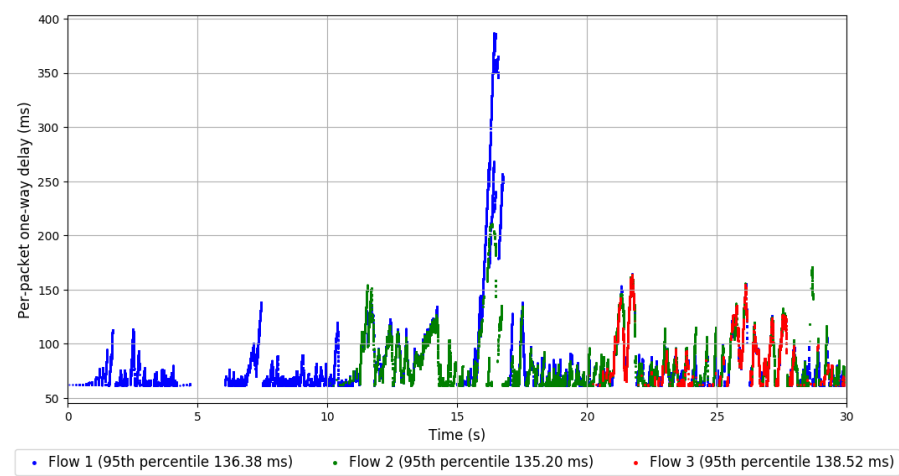
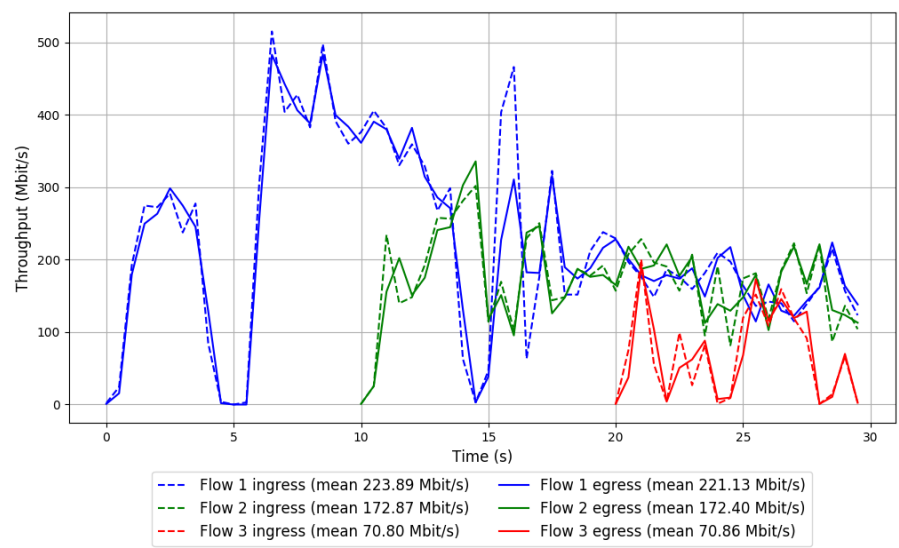
-- Flow 3:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 138.516 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-10 07:16:31

End at: 2018-01-10 07:17:01

Below is generated by plot.py at 2018-01-10 10:43:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.14 Mbit/s

95th percentile per-packet one-way delay: 169.675 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 191.72 Mbit/s

95th percentile per-packet one-way delay: 166.792 ms

Loss rate: 2.11%

-- Flow 2:

Average throughput: 153.95 Mbit/s

95th percentile per-packet one-way delay: 165.714 ms

Loss rate: 1.40%

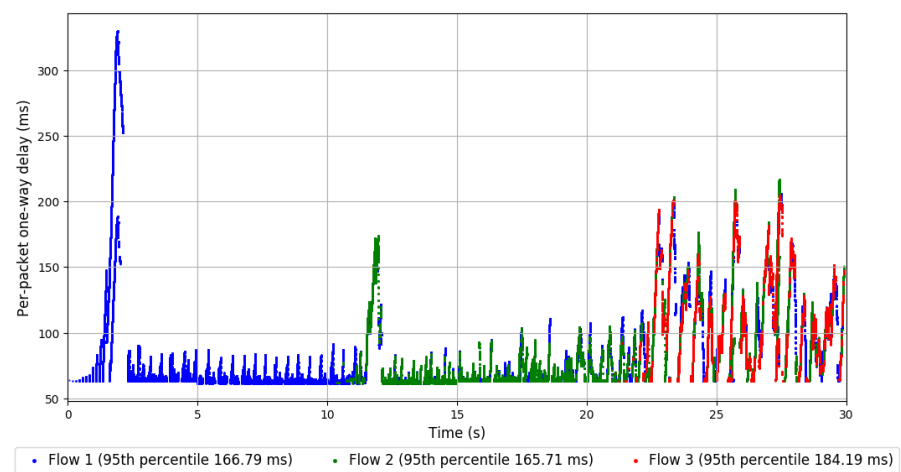
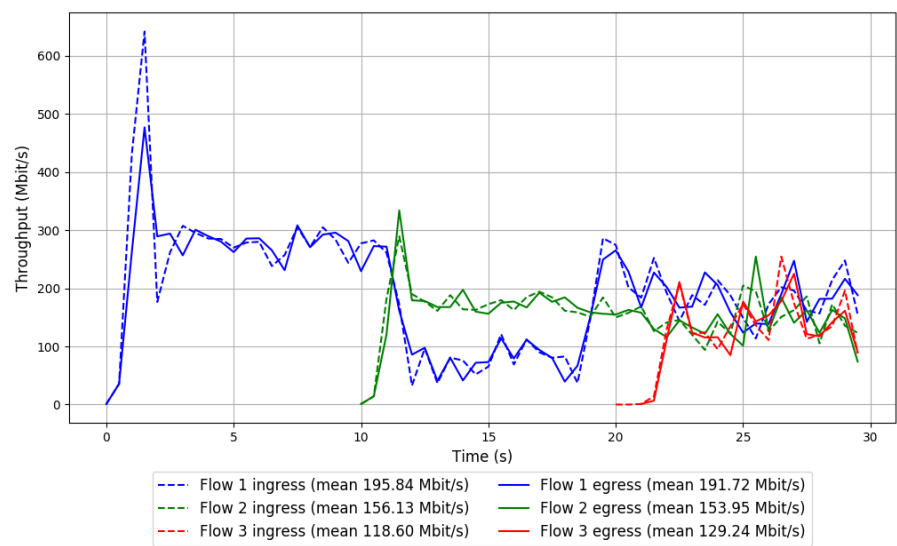
-- Flow 3:

Average throughput: 129.24 Mbit/s

95th percentile per-packet one-way delay: 184.194 ms

Loss rate: 2.20%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-10 07:30:35

End at: 2018-01-10 07:31:05

Below is generated by plot.py at 2018-01-10 10:45:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 346.76 Mbit/s

95th percentile per-packet one-way delay: 228.050 ms

Loss rate: 4.22%

-- Flow 1:

Average throughput: 176.98 Mbit/s

95th percentile per-packet one-way delay: 158.922 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 152.86 Mbit/s

95th percentile per-packet one-way delay: 190.239 ms

Loss rate: 3.89%

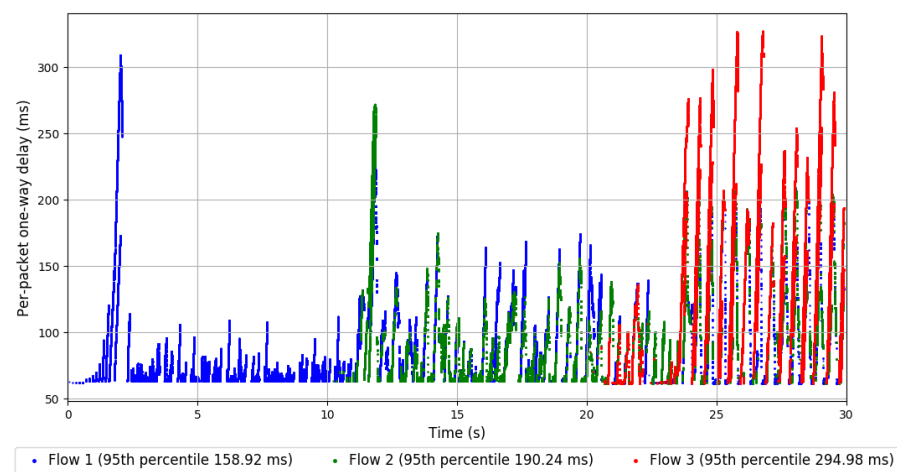
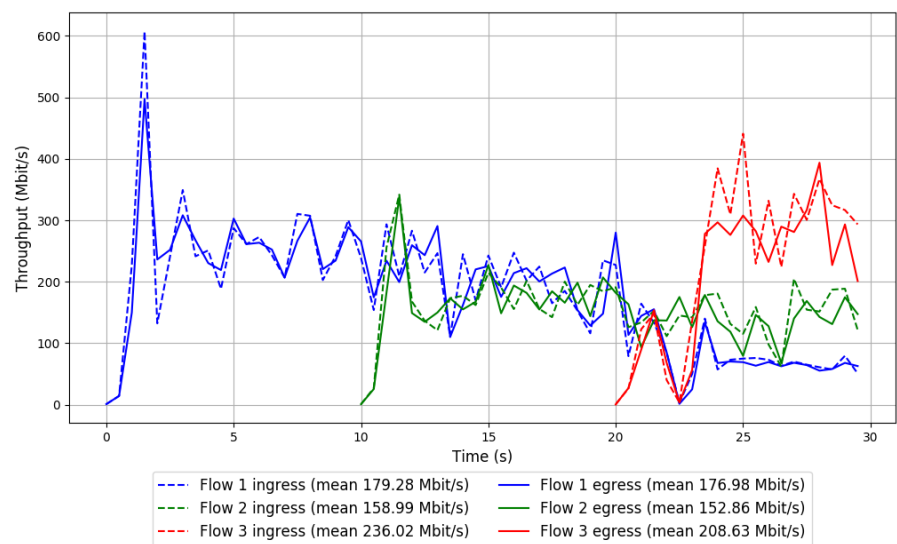
-- Flow 3:

Average throughput: 208.63 Mbit/s

95th percentile per-packet one-way delay: 294.978 ms

Loss rate: 11.49%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-10 07:44:24

End at: 2018-01-10 07:44:54

Below is generated by plot.py at 2018-01-10 10:45:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.55 Mbit/s

95th percentile per-packet one-way delay: 232.363 ms

Loss rate: 3.81%

-- Flow 1:

Average throughput: 217.21 Mbit/s

95th percentile per-packet one-way delay: 235.707 ms

Loss rate: 2.69%

-- Flow 2:

Average throughput: 146.76 Mbit/s

95th percentile per-packet one-way delay: 188.920 ms

Loss rate: 1.69%

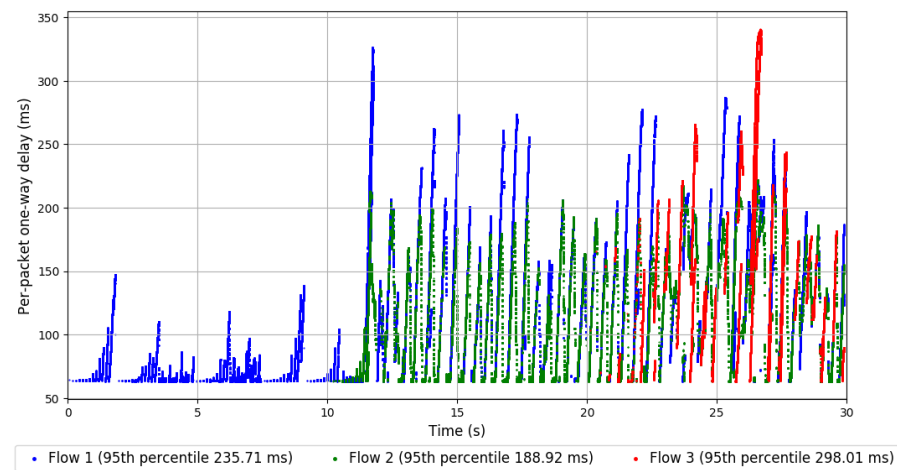
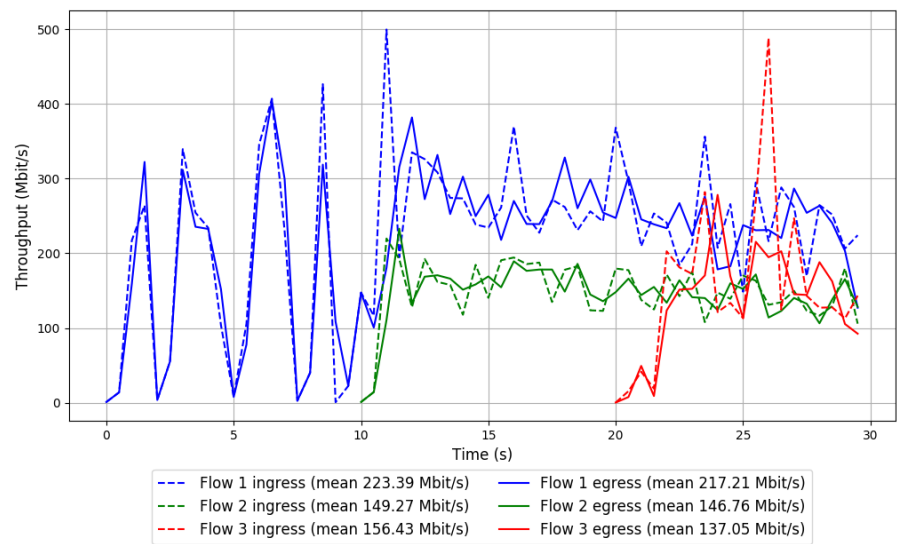
-- Flow 3:

Average throughput: 137.05 Mbit/s

95th percentile per-packet one-way delay: 298.013 ms

Loss rate: 12.77%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-10 07:58:59

End at: 2018-01-10 07:59:29

Below is generated by plot.py at 2018-01-10 10:47:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.35 Mbit/s

95th percentile per-packet one-way delay: 193.588 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 185.30 Mbit/s

95th percentile per-packet one-way delay: 184.592 ms

Loss rate: 2.16%

-- Flow 2:

Average throughput: 176.34 Mbit/s

95th percentile per-packet one-way delay: 172.199 ms

Loss rate: 0.70%

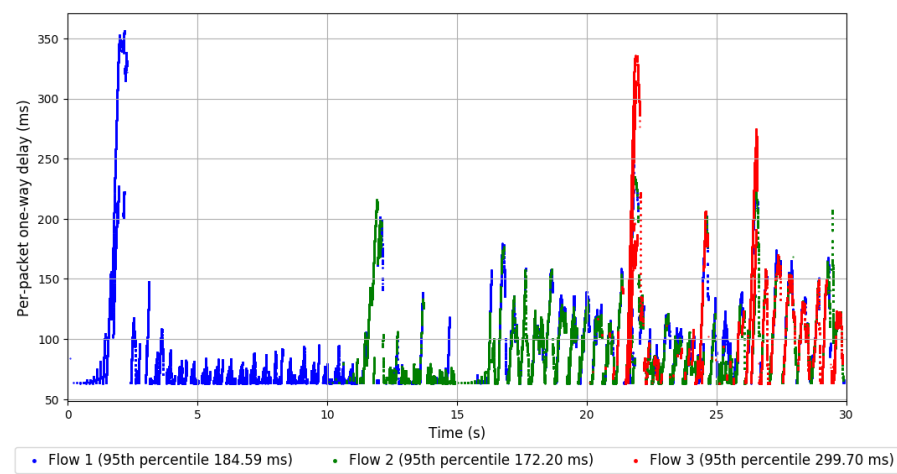
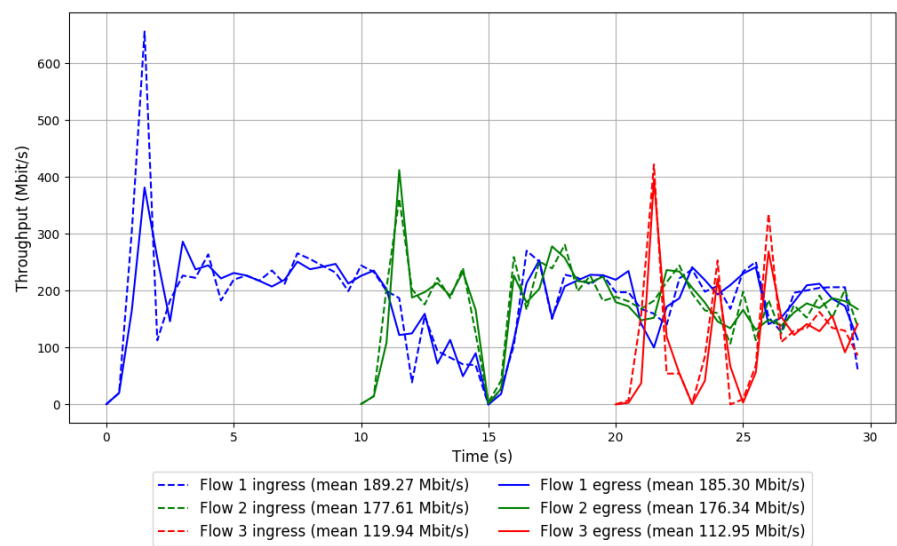
-- Flow 3:

Average throughput: 112.95 Mbit/s

95th percentile per-packet one-way delay: 299.704 ms

Loss rate: 5.65%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-10 08:13:16

End at: 2018-01-10 08:13:46

Below is generated by plot.py at 2018-01-10 10:47:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.90 Mbit/s

95th percentile per-packet one-way delay: 160.728 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 225.14 Mbit/s

95th percentile per-packet one-way delay: 165.729 ms

Loss rate: 1.24%

-- Flow 2:

Average throughput: 130.86 Mbit/s

95th percentile per-packet one-way delay: 140.509 ms

Loss rate: 0.06%

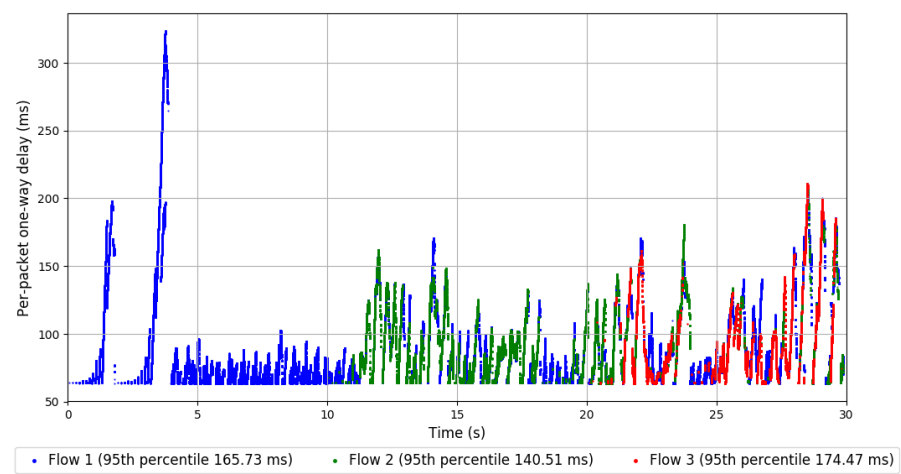
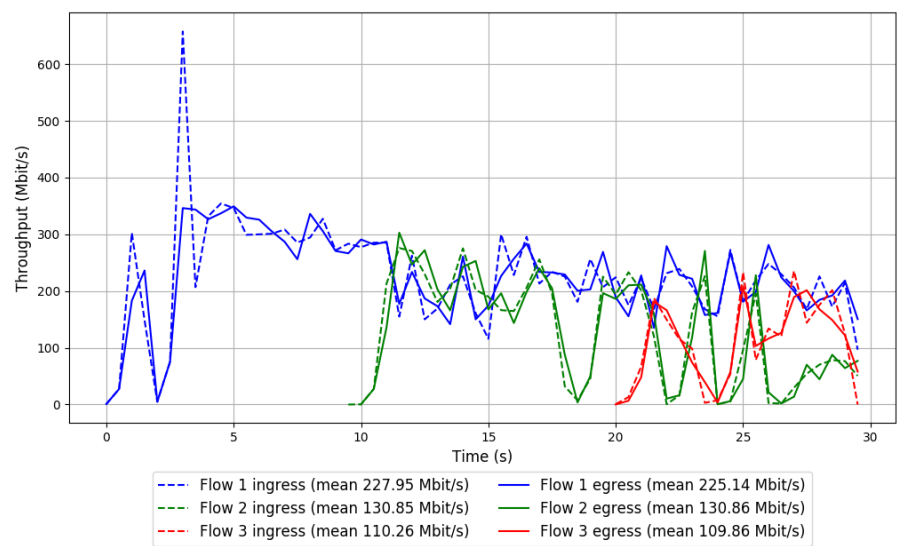
-- Flow 3:

Average throughput: 109.86 Mbit/s

95th percentile per-packet one-way delay: 174.470 ms

Loss rate: 0.26%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-10 08:27:24

End at: 2018-01-10 08:27:54

Below is generated by plot.py at 2018-01-10 10:47:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.95 Mbit/s

95th percentile per-packet one-way delay: 153.053 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 205.30 Mbit/s

95th percentile per-packet one-way delay: 153.210 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 120.88 Mbit/s

95th percentile per-packet one-way delay: 165.665 ms

Loss rate: 1.23%

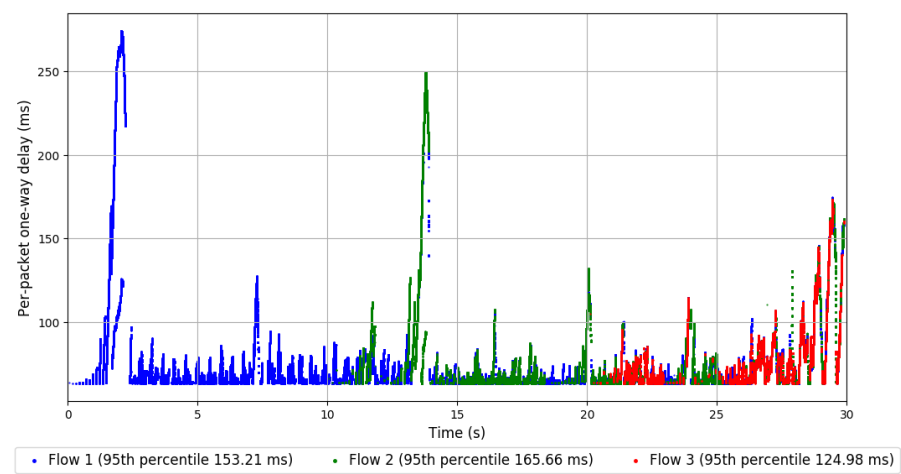
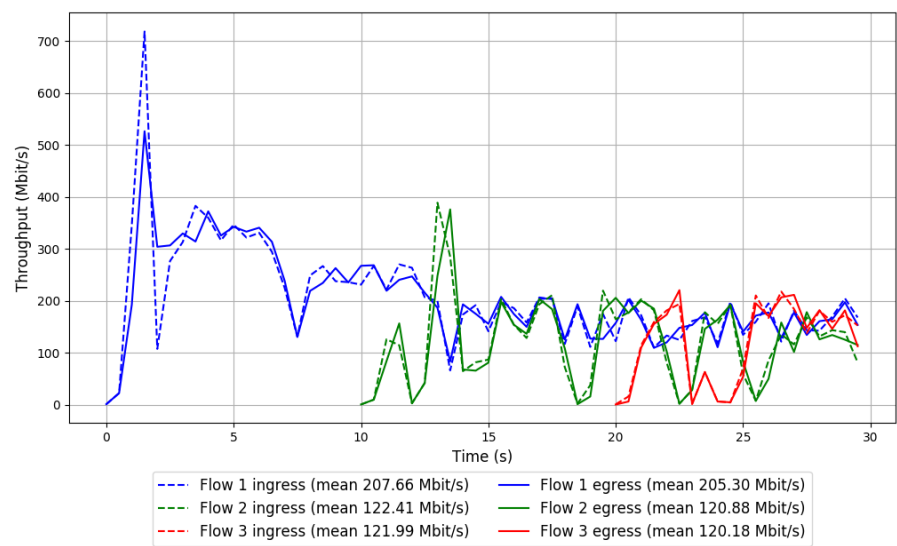
-- Flow 3:

Average throughput: 120.18 Mbit/s

95th percentile per-packet one-way delay: 124.981 ms

Loss rate: 1.84%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-10 06:21:54

End at: 2018-01-10 06:22:24

Below is generated by plot.py at 2018-01-10 10:47:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.08 Mbit/s

95th percentile per-packet one-way delay: 63.820 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 58.56 Mbit/s

95th percentile per-packet one-way delay: 63.787 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 63.764 ms

Loss rate: 0.00%

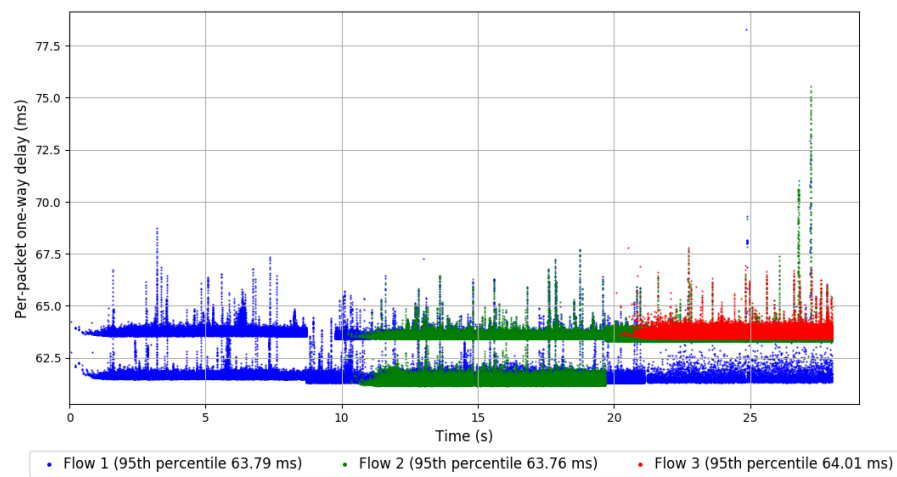
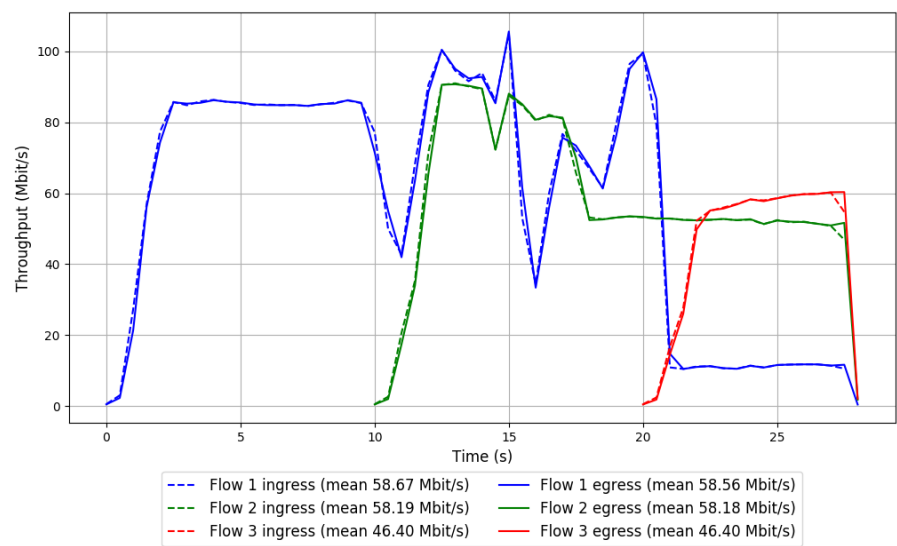
-- Flow 3:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 64.009 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-10 06:36:16

End at: 2018-01-10 06:36:46

Below is generated by plot.py at 2018-01-10 10:47:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.40 Mbit/s

95th percentile per-packet one-way delay: 63.740 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 80.91 Mbit/s

95th percentile per-packet one-way delay: 63.677 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.24 Mbit/s

95th percentile per-packet one-way delay: 63.841 ms

Loss rate: 0.01%

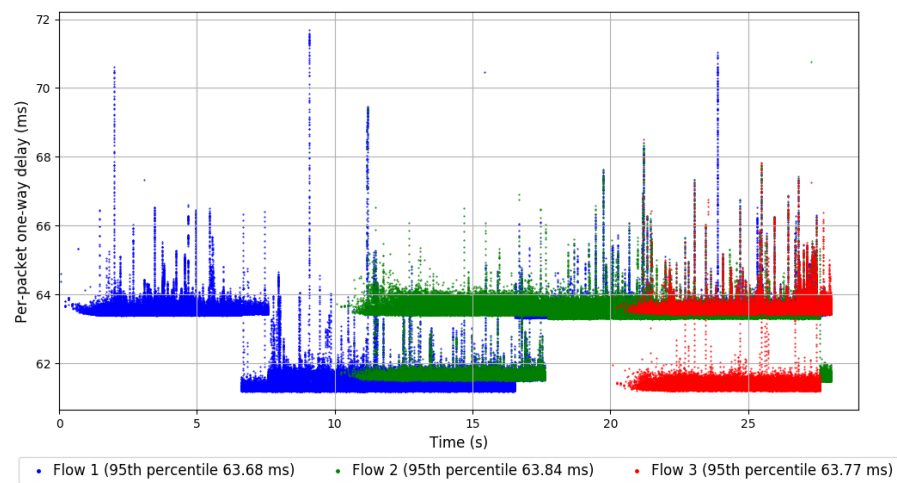
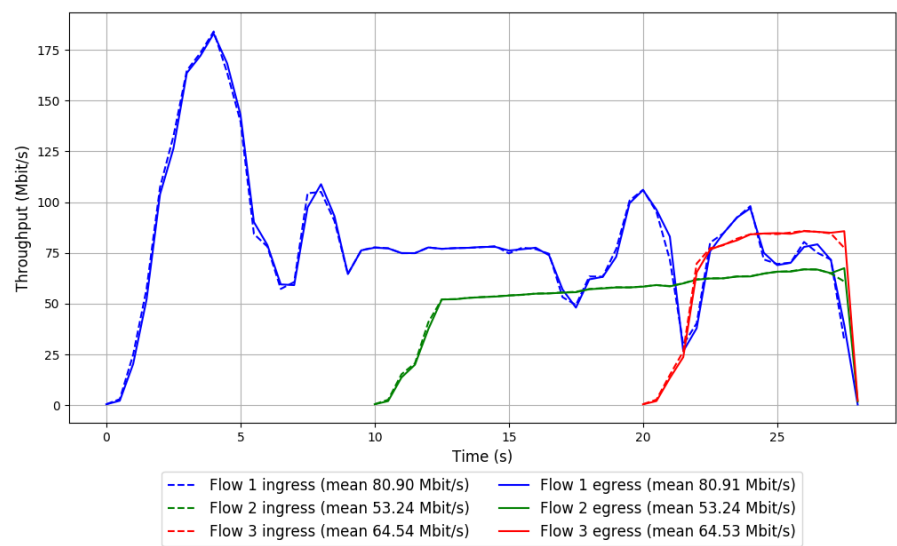
-- Flow 3:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 63.771 ms

Loss rate: 0.02%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-10 06:50:29

End at: 2018-01-10 06:50:59

Below is generated by plot.py at 2018-01-10 10:47:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.22 Mbit/s

95th percentile per-packet one-way delay: 63.807 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 55.62 Mbit/s

95th percentile per-packet one-way delay: 63.753 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.93 Mbit/s

95th percentile per-packet one-way delay: 63.801 ms

Loss rate: 0.01%

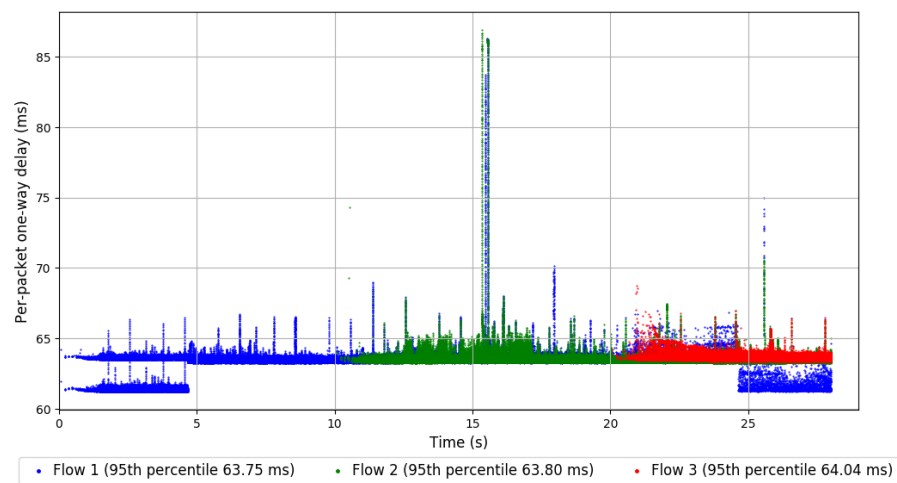
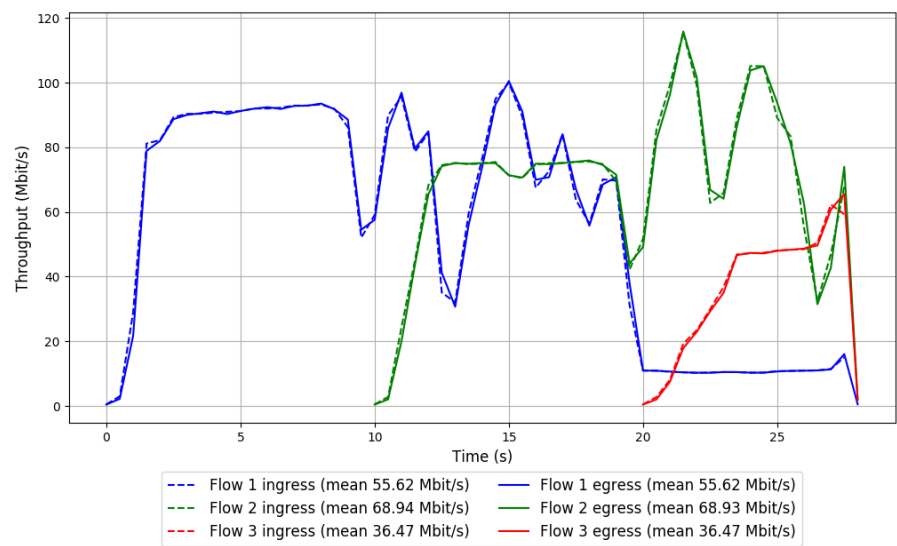
-- Flow 3:

Average throughput: 36.47 Mbit/s

95th percentile per-packet one-way delay: 64.039 ms

Loss rate: 0.04%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-10 07:04:21

End at: 2018-01-10 07:04:51

Below is generated by plot.py at 2018-01-10 10:48:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.72 Mbit/s

95th percentile per-packet one-way delay: 63.884 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 75.43 Mbit/s

95th percentile per-packet one-way delay: 63.799 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.80 Mbit/s

95th percentile per-packet one-way delay: 63.913 ms

Loss rate: 0.01%

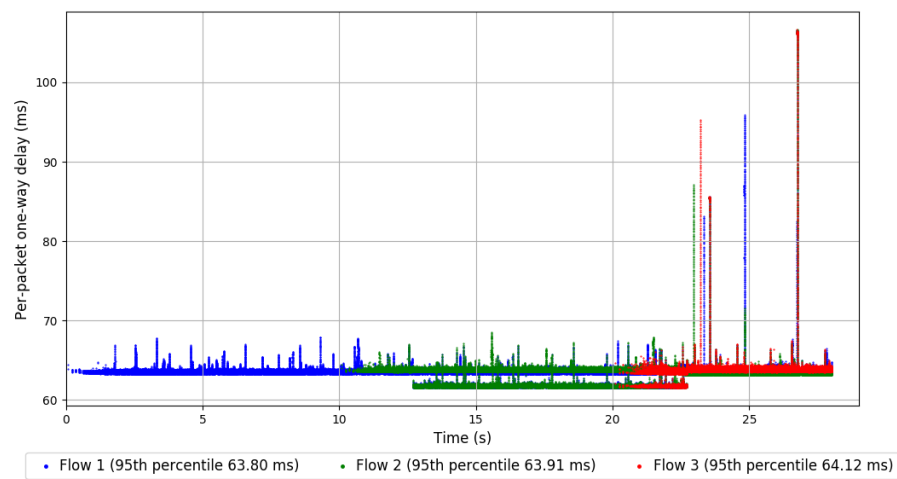
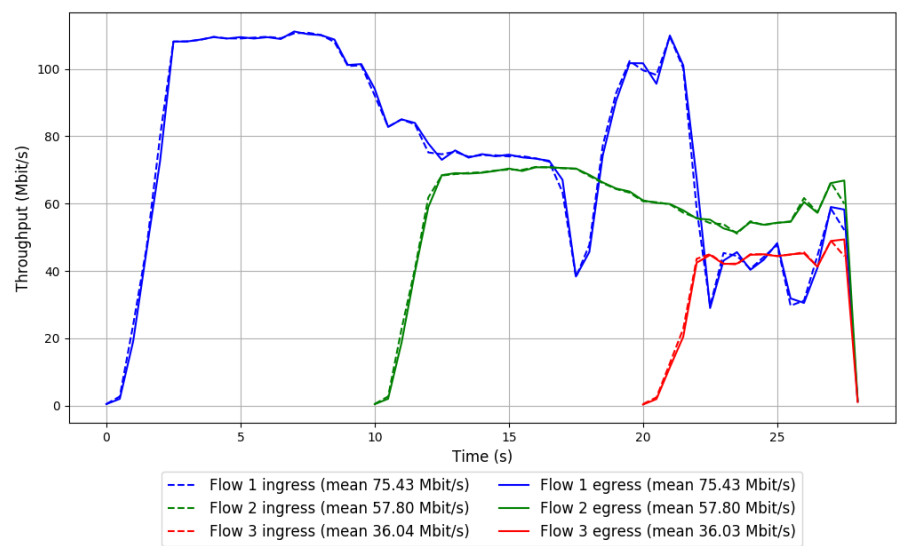
-- Flow 3:

Average throughput: 36.03 Mbit/s

95th percentile per-packet one-way delay: 64.125 ms

Loss rate: 0.03%

Run 4: Report of Copa — Data Link

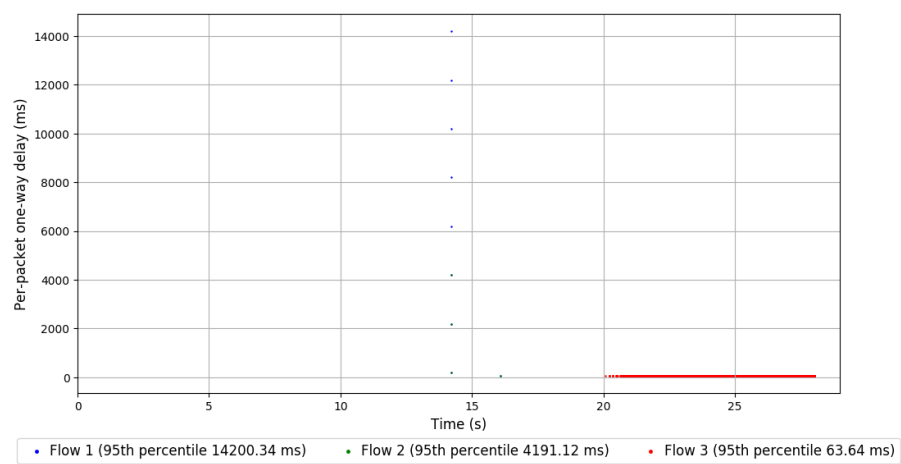
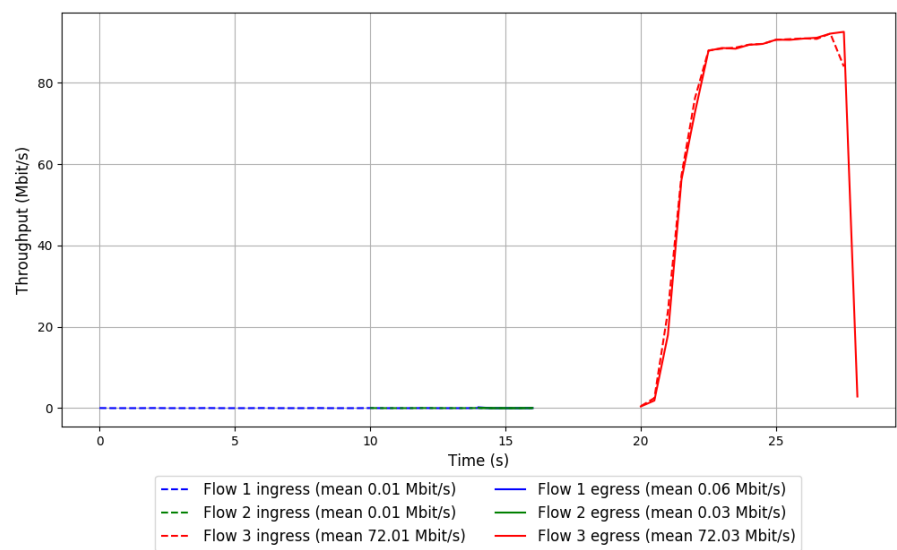


Run 5: Statistics of Copa

Start at: 2018-01-10 07:17:37

End at: 2018-01-10 07:18:07

Run 5: Report of Copa — Data Link

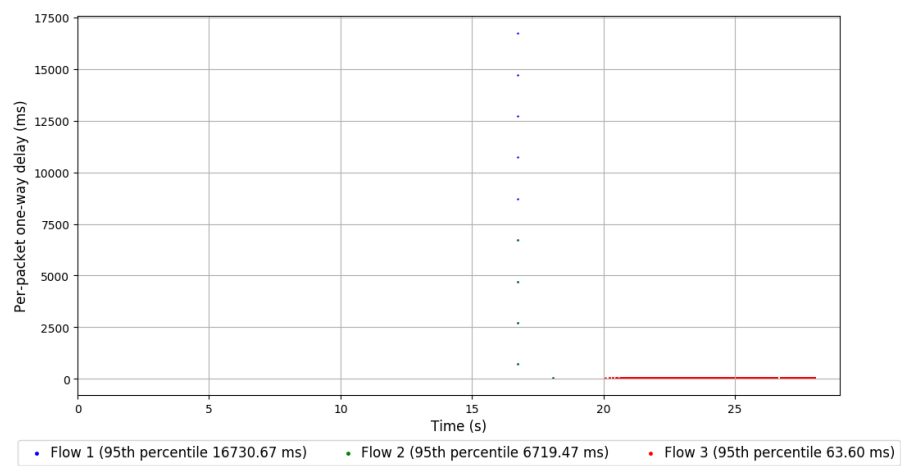
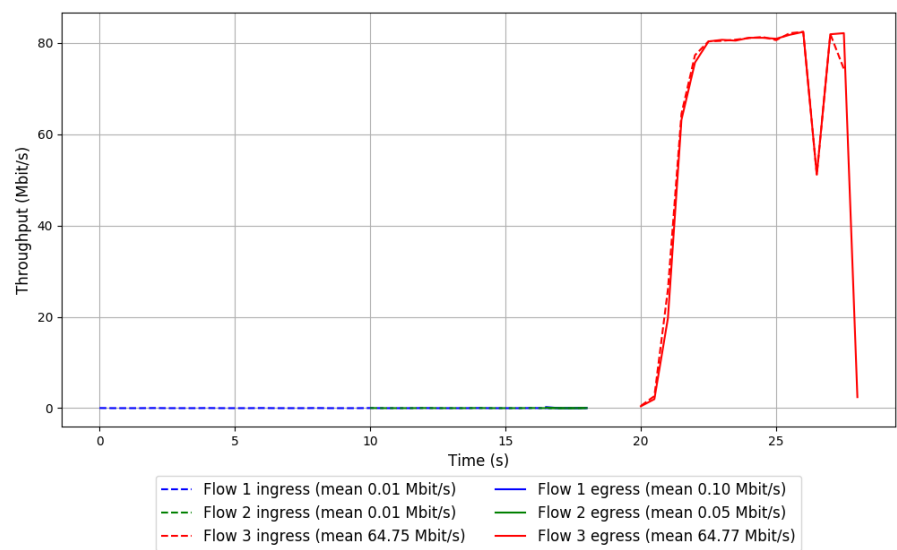


Run 6: Statistics of Copa

Start at: 2018-01-10 07:31:42

End at: 2018-01-10 07:32:12

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-10 07:45:33

End at: 2018-01-10 07:46:03

Below is generated by plot.py at 2018-01-10 10:49:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.18 Mbit/s

95th percentile per-packet one-way delay: 63.863 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.82 Mbit/s

95th percentile per-packet one-way delay: 63.807 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.98 Mbit/s

95th percentile per-packet one-way delay: 63.882 ms

Loss rate: 0.00%

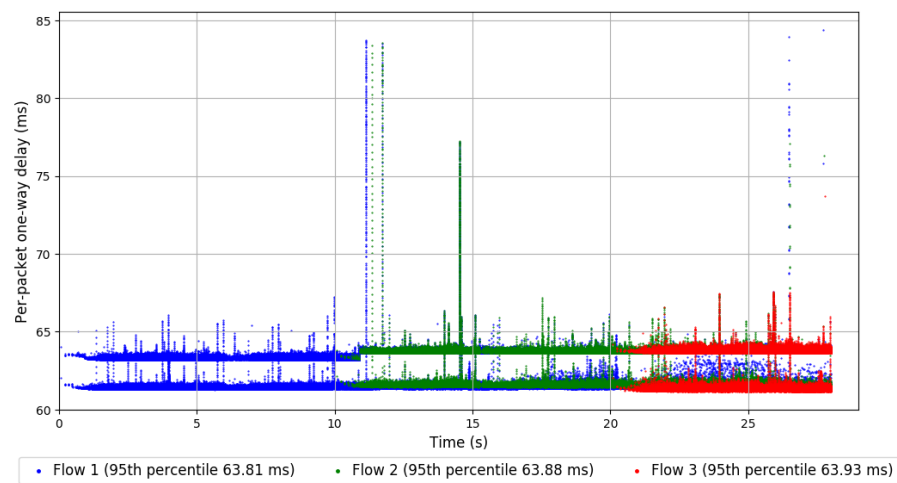
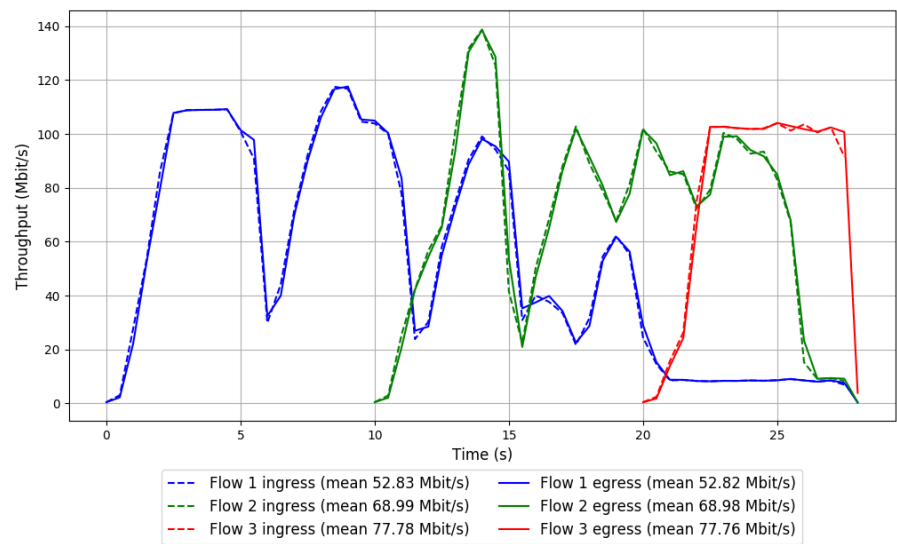
-- Flow 3:

Average throughput: 77.76 Mbit/s

95th percentile per-packet one-way delay: 63.926 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-10 08:00:05

End at: 2018-01-10 08:00:35

Below is generated by plot.py at 2018-01-10 10:49:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.41 Mbit/s

95th percentile per-packet one-way delay: 63.852 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 65.90 Mbit/s

95th percentile per-packet one-way delay: 63.859 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.82 Mbit/s

95th percentile per-packet one-way delay: 63.868 ms

Loss rate: 0.01%

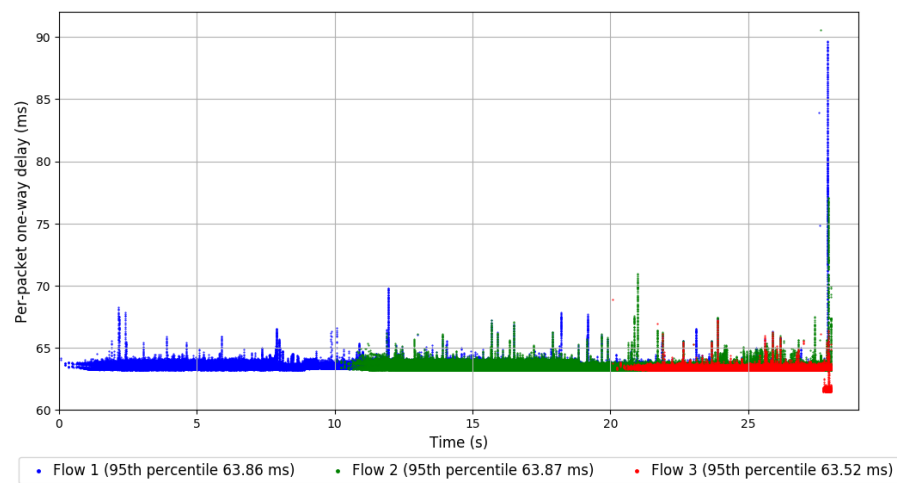
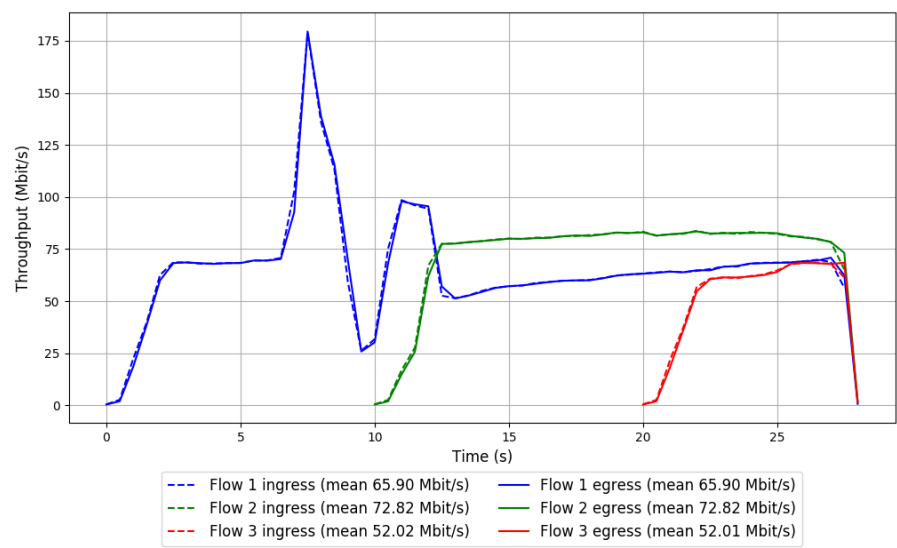
-- Flow 3:

Average throughput: 52.01 Mbit/s

95th percentile per-packet one-way delay: 63.515 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link

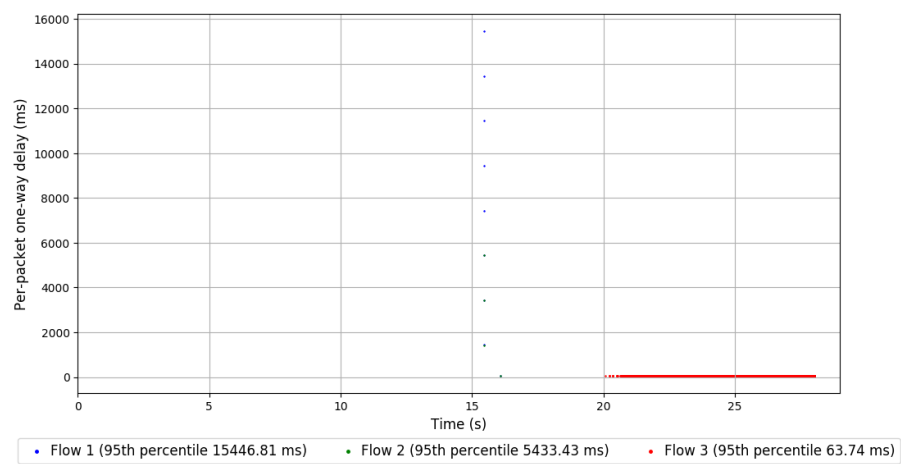
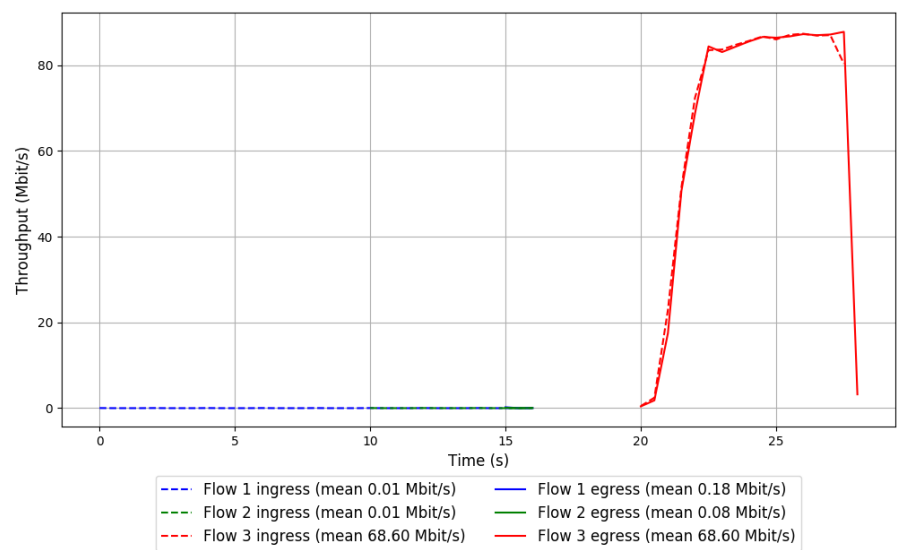


Run 9: Statistics of Copa

Start at: 2018-01-10 08:14:24

End at: 2018-01-10 08:14:54

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-10 08:28:30

End at: 2018-01-10 08:29:00

Below is generated by plot.py at 2018-01-10 10:49:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.66 Mbit/s

95th percentile per-packet one-way delay: 63.734 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 80.63 Mbit/s

95th percentile per-packet one-way delay: 63.741 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 67.185 ms

Loss rate: 46.17%

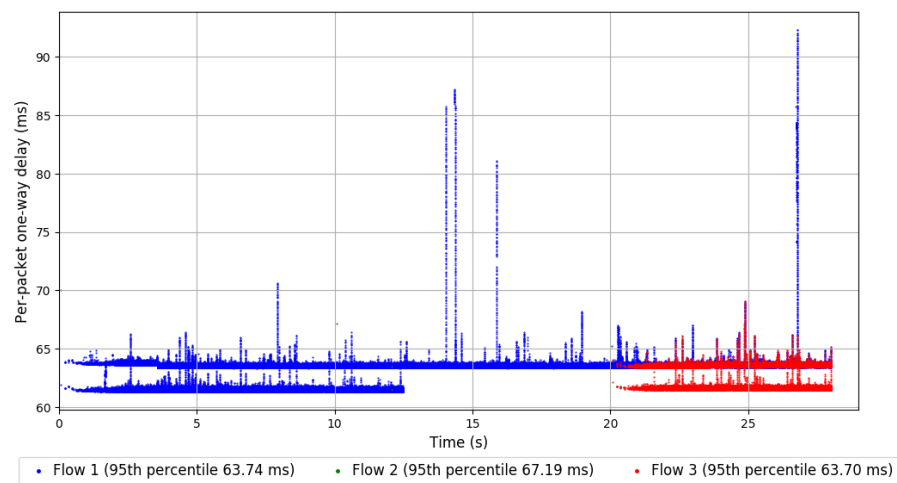
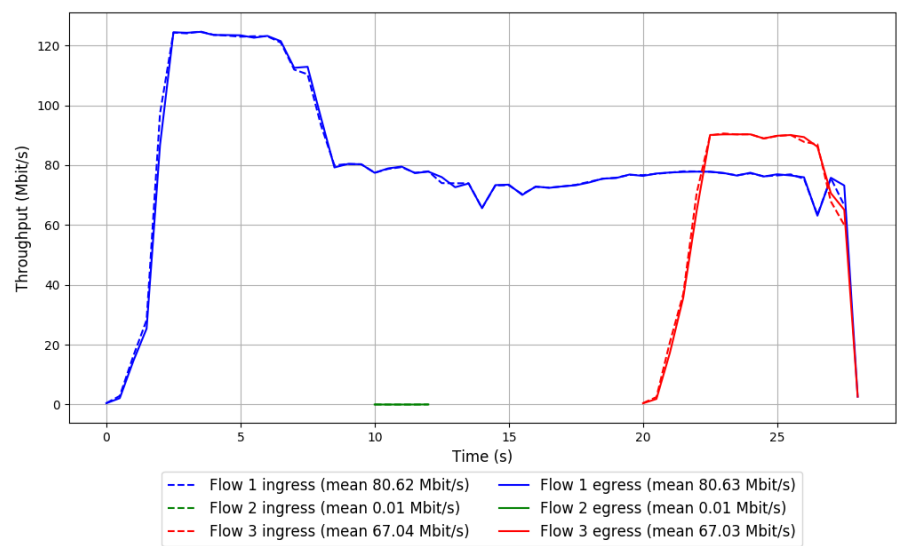
-- Flow 3:

Average throughput: 67.03 Mbit/s

95th percentile per-packet one-way delay: 63.703 ms

Loss rate: 0.02%

Run 10: Report of Copa — Data Link

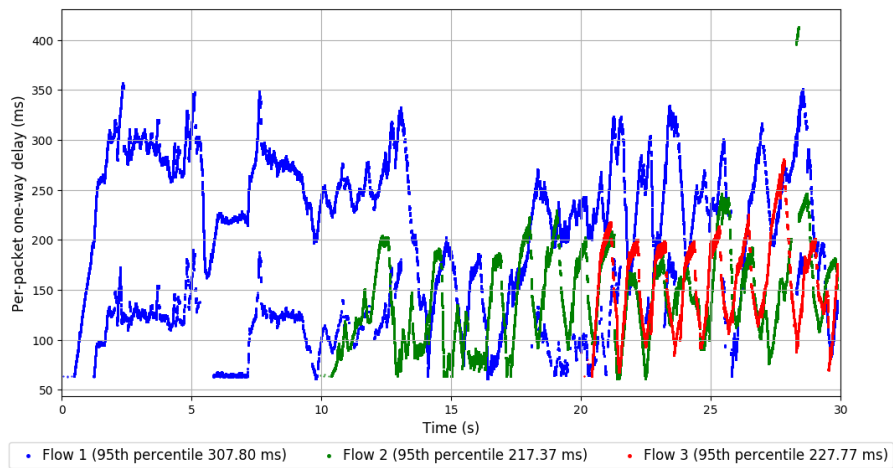
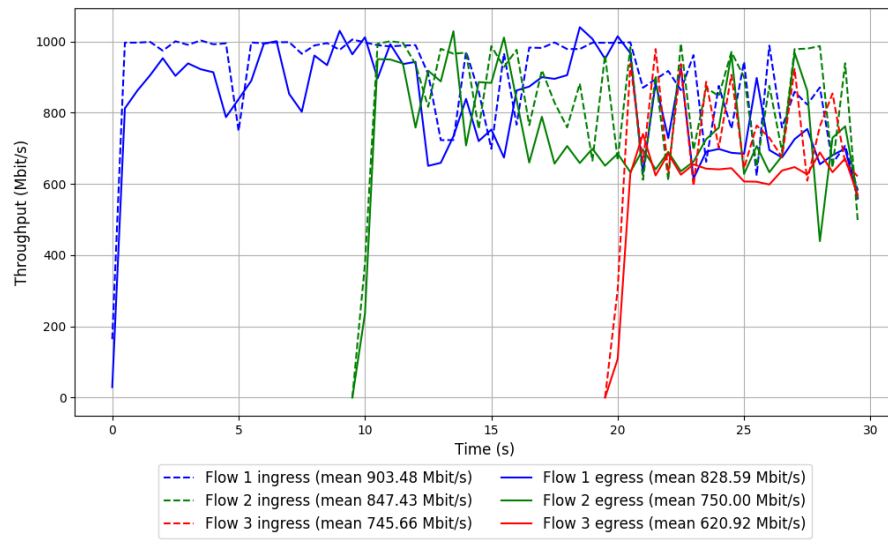


```
Run 1: Statistics of FillP

Start at: 2018-01-10 06:22:47
End at: 2018-01-10 06:23:17

# Below is generated by plot.py at 2018-01-10 11:12:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1535.54 Mbit/s
95th percentile per-packet one-way delay: 297.116 ms
Loss rate: 10.59%
-- Flow 1:
Average throughput: 828.59 Mbit/s
95th percentile per-packet one-way delay: 307.801 ms
Loss rate: 8.29%
-- Flow 2:
Average throughput: 750.00 Mbit/s
95th percentile per-packet one-way delay: 217.372 ms
Loss rate: 11.50%
-- Flow 3:
Average throughput: 620.92 Mbit/s
95th percentile per-packet one-way delay: 227.773 ms
Loss rate: 16.92%
```


Run 1: Report of FillP — Data Link

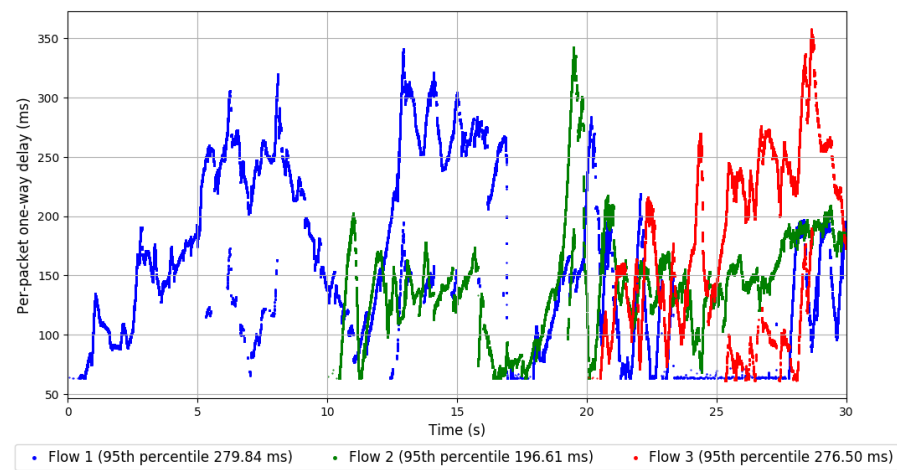
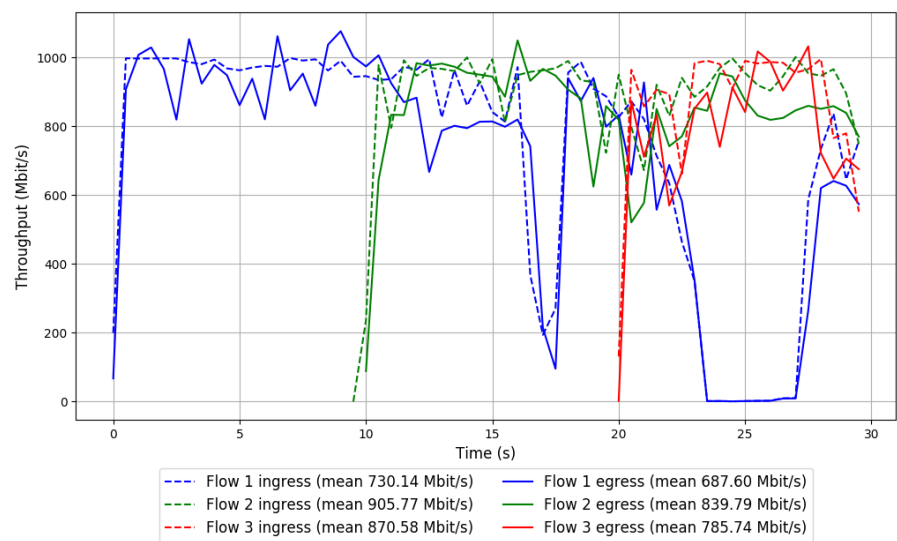


```
Run 2: Statistics of FillP

Start at: 2018-01-10 06:37:12
End at: 2018-01-10 06:37:42

# Below is generated by plot.py at 2018-01-10 11:12:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1507.07 Mbit/s
95th percentile per-packet one-way delay: 272.065 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 687.60 Mbit/s
95th percentile per-packet one-way delay: 279.842 ms
Loss rate: 5.83%
-- Flow 2:
Average throughput: 839.79 Mbit/s
95th percentile per-packet one-way delay: 196.606 ms
Loss rate: 7.30%
-- Flow 3:
Average throughput: 785.74 Mbit/s
95th percentile per-packet one-way delay: 276.495 ms
Loss rate: 9.77%
```

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-01-10 06:51:23

End at: 2018-01-10 06:51:53

Below is generated by plot.py at 2018-01-10 11:12:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1138.51 Mbit/s

95th percentile per-packet one-way delay: 279.007 ms

Loss rate: 4.65%

-- Flow 1:

Average throughput: 492.47 Mbit/s

95th percentile per-packet one-way delay: 288.896 ms

Loss rate: 3.27%

-- Flow 2:

Average throughput: 564.54 Mbit/s

95th percentile per-packet one-way delay: 214.390 ms

Loss rate: 2.97%

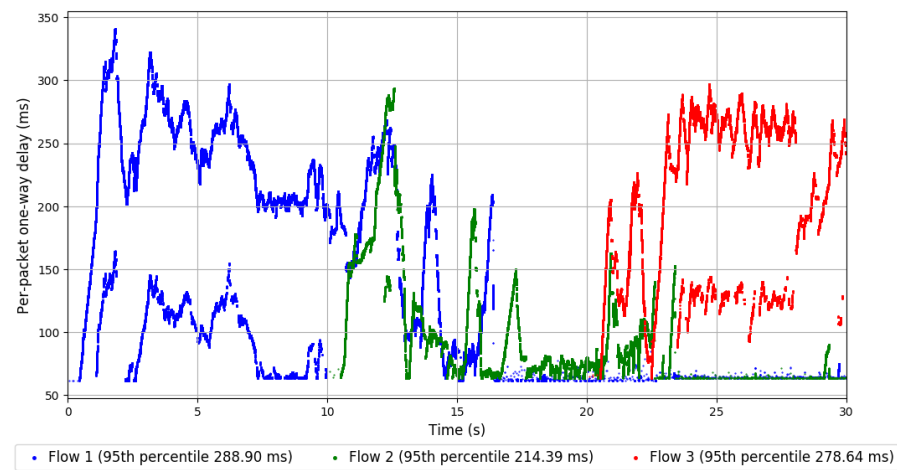
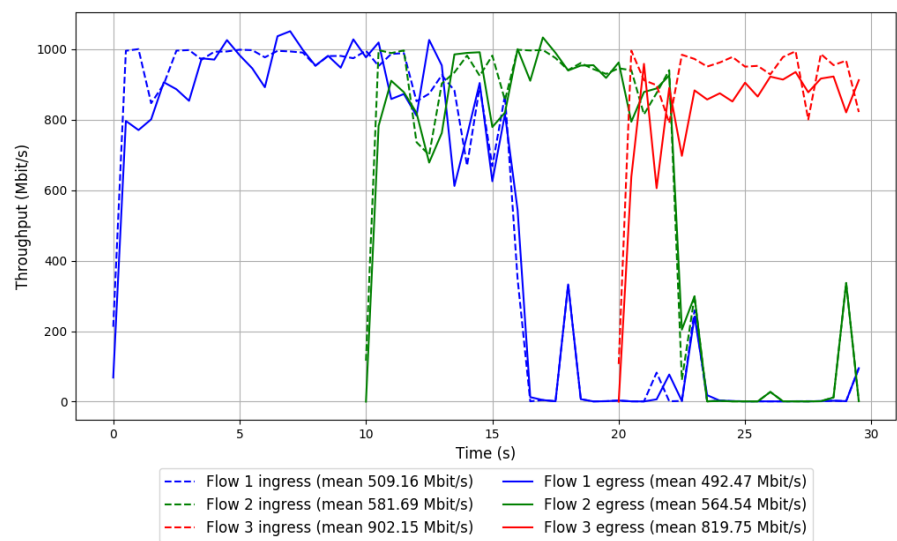
-- Flow 3:

Average throughput: 819.75 Mbit/s

95th percentile per-packet one-way delay: 278.636 ms

Loss rate: 9.16%

Run 3: Report of FillP — Data Link

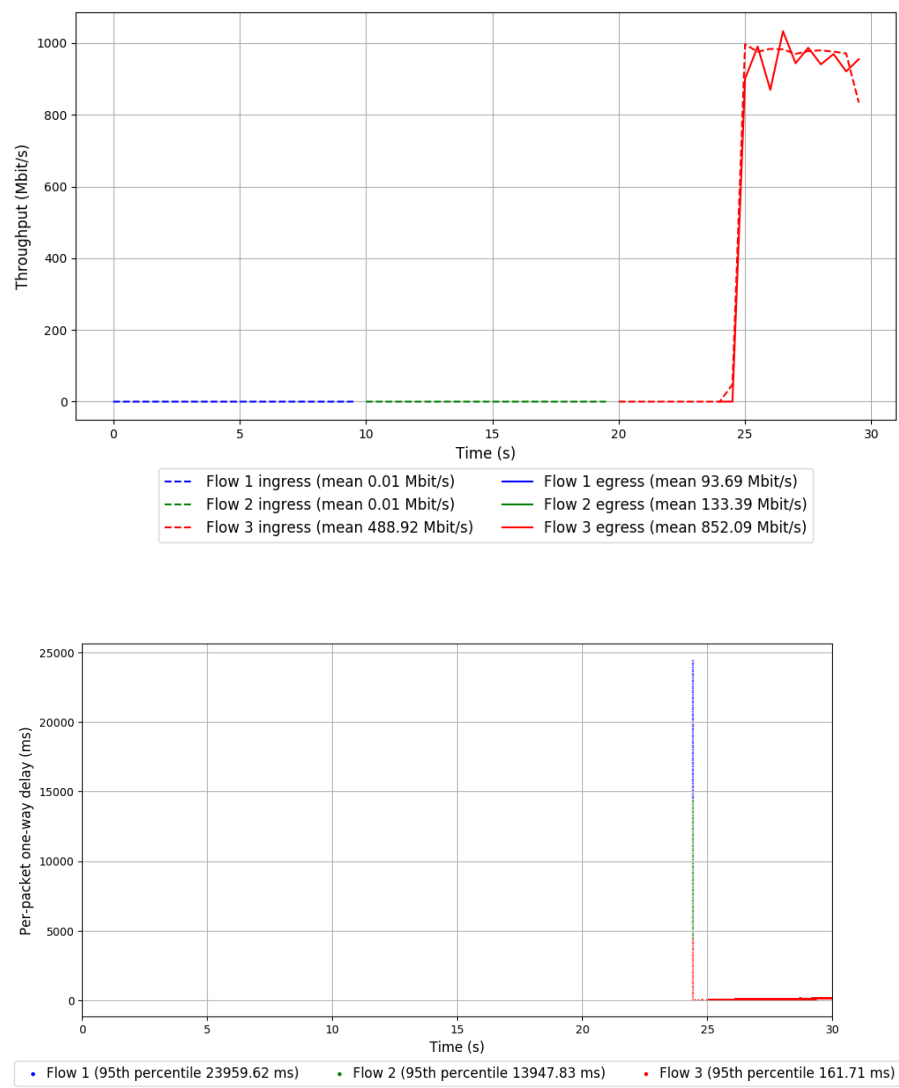


Run 4: Statistics of FillP

Start at: 2018-01-10 07:05:15

End at: 2018-01-10 07:05:45

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-10 07:18:21

End at: 2018-01-10 07:18:51

Below is generated by plot.py at 2018-01-10 11:14:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1560.95 Mbit/s

95th percentile per-packet one-way delay: 276.351 ms

Loss rate: 10.05%

-- Flow 1:

Average throughput: 852.61 Mbit/s

95th percentile per-packet one-way delay: 234.702 ms

Loss rate: 6.45%

-- Flow 2:

Average throughput: 735.20 Mbit/s

95th percentile per-packet one-way delay: 300.753 ms

Loss rate: 12.82%

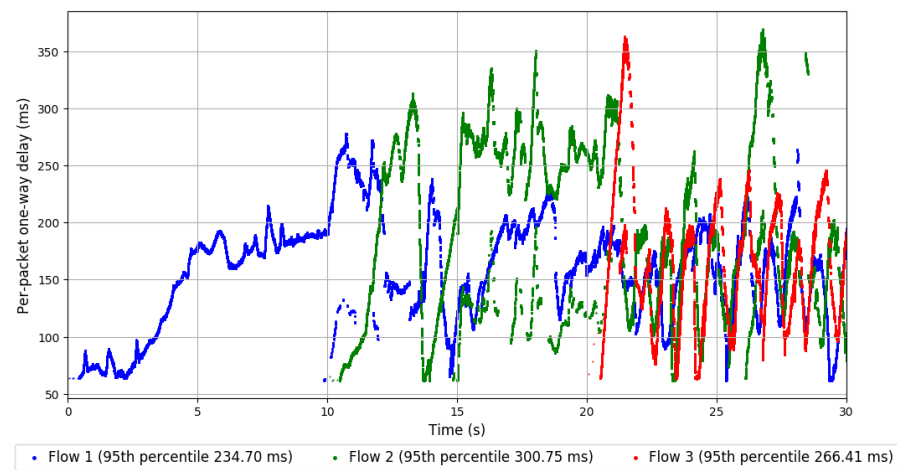
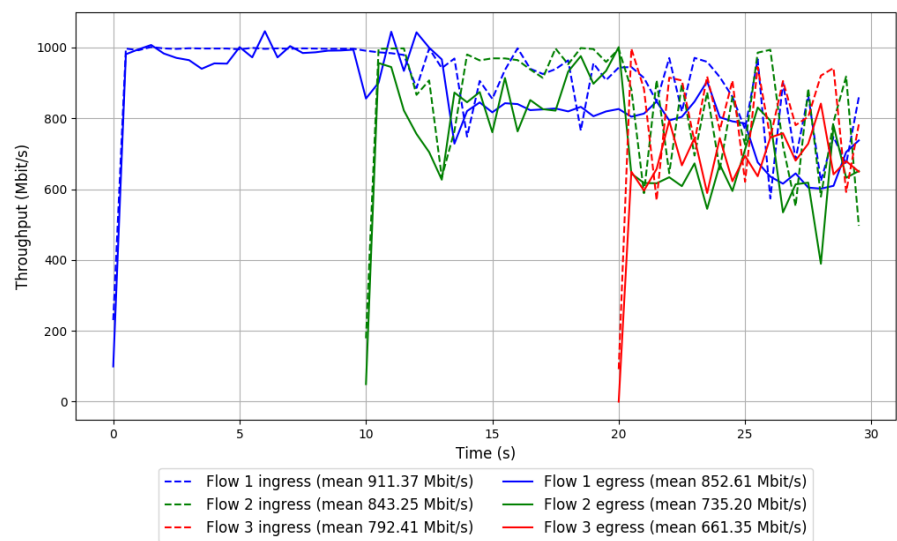
-- Flow 3:

Average throughput: 661.35 Mbit/s

95th percentile per-packet one-way delay: 266.412 ms

Loss rate: 16.58%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-10 07:32:25

End at: 2018-01-10 07:32:55

Below is generated by plot.py at 2018-01-10 11:14:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1215.21 Mbit/s

95th percentile per-packet one-way delay: 300.271 ms

Loss rate: 6.50%

-- Flow 1:

Average throughput: 373.53 Mbit/s

95th percentile per-packet one-way delay: 291.286 ms

Loss rate: 4.05%

-- Flow 2:

Average throughput: 860.10 Mbit/s

95th percentile per-packet one-way delay: 277.208 ms

Loss rate: 5.95%

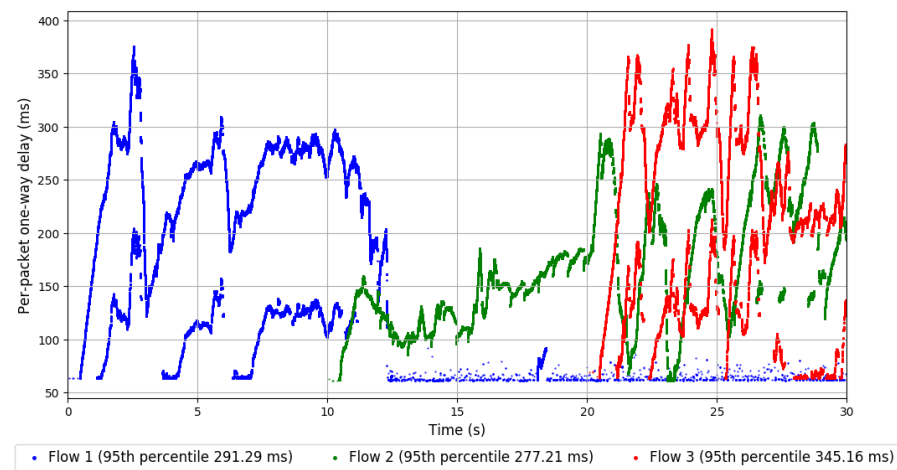
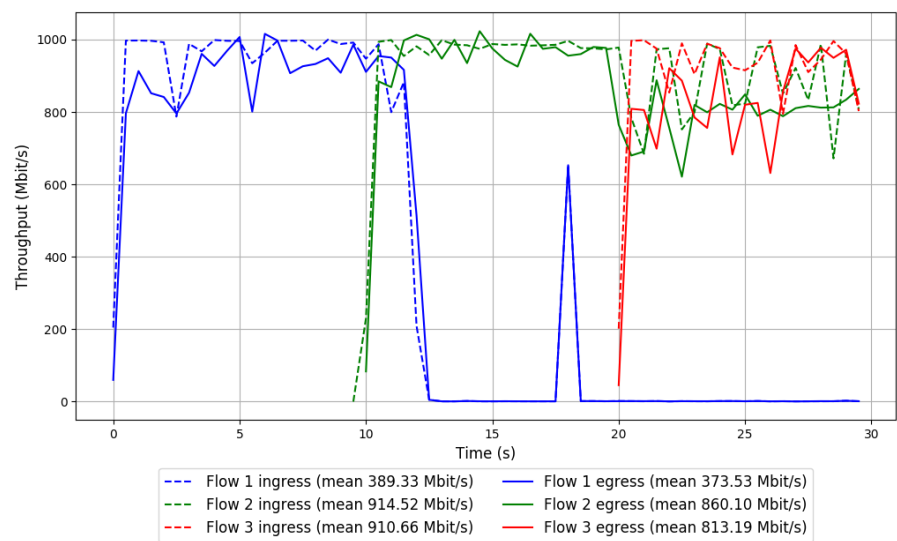
-- Flow 3:

Average throughput: 813.19 Mbit/s

95th percentile per-packet one-way delay: 345.158 ms

Loss rate: 10.76%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-10 07:46:26

End at: 2018-01-10 07:46:56

Below is generated by plot.py at 2018-01-10 11:16:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 1616.58 Mbit/s

95th percentile per-packet one-way delay: 293.620 ms

Loss rate: 8.35%

-- Flow 1:

Average throughput: 841.06 Mbit/s

95th percentile per-packet one-way delay: 294.988 ms

Loss rate: 7.53%

-- Flow 2:

Average throughput: 861.44 Mbit/s

95th percentile per-packet one-way delay: 294.623 ms

Loss rate: 5.99%

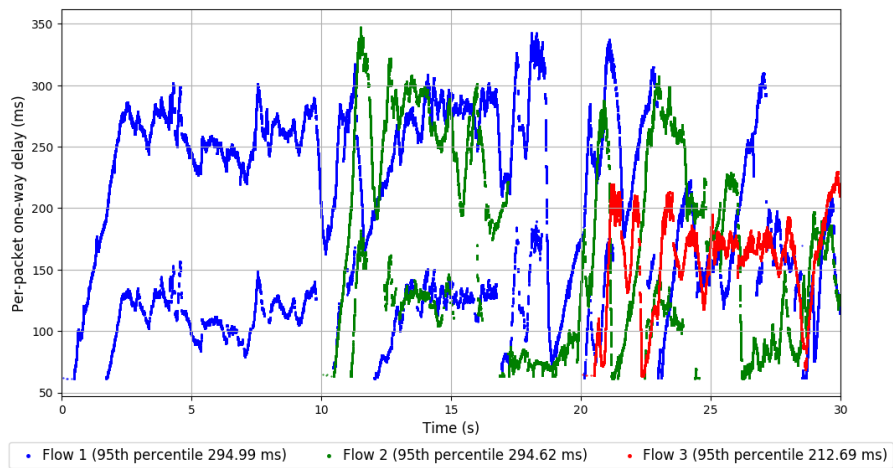
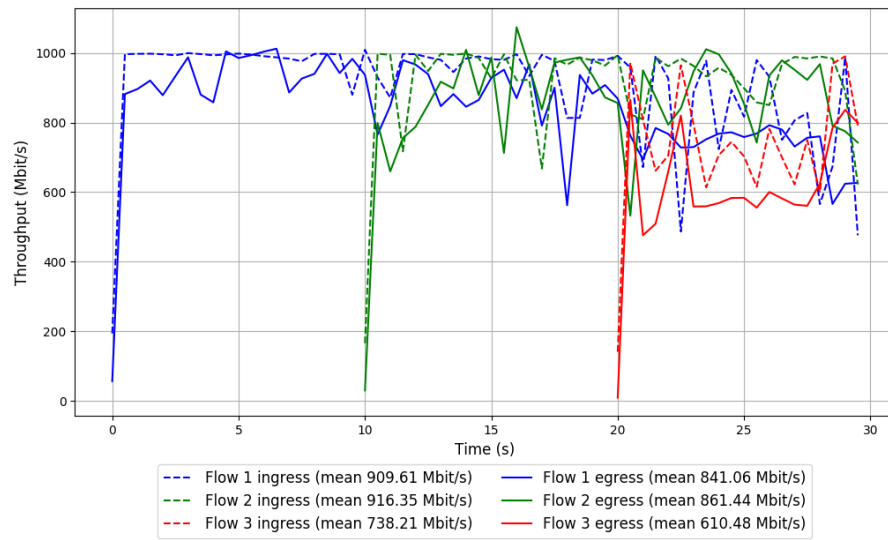
-- Flow 3:

Average throughput: 610.48 Mbit/s

95th percentile per-packet one-way delay: 212.689 ms

Loss rate: 17.30%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-01-10 08:00:59

End at: 2018-01-10 08:01:29

Below is generated by plot.py at 2018-01-10 11:17:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 1621.35 Mbit/s

95th percentile per-packet one-way delay: 278.335 ms

Loss rate: 9.27%

-- Flow 1:

Average throughput: 817.24 Mbit/s

95th percentile per-packet one-way delay: 288.070 ms

Loss rate: 9.37%

-- Flow 2:

Average throughput: 856.63 Mbit/s

95th percentile per-packet one-way delay: 247.418 ms

Loss rate: 7.12%

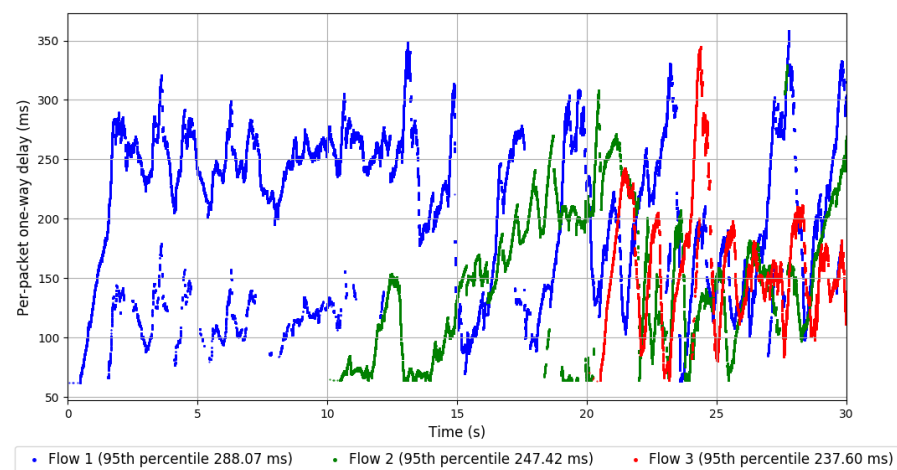
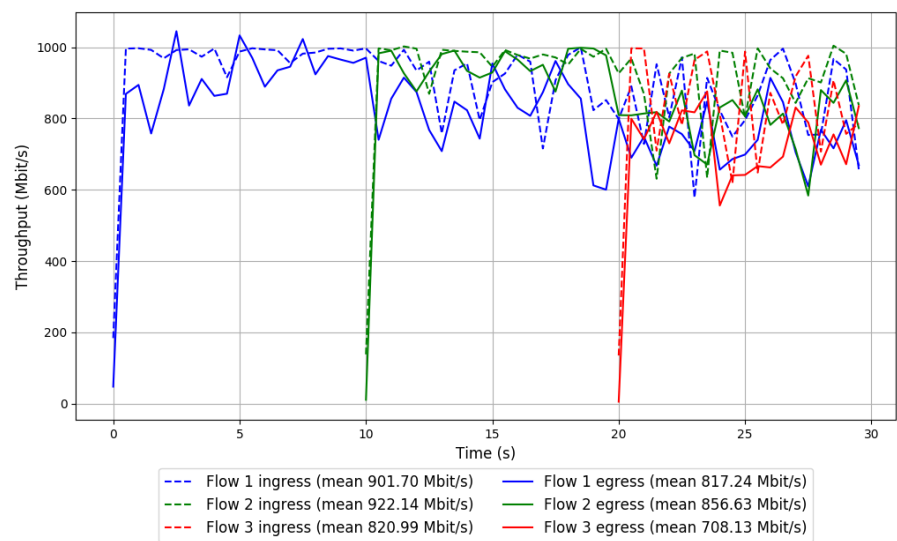
-- Flow 3:

Average throughput: 708.13 Mbit/s

95th percentile per-packet one-way delay: 237.596 ms

Loss rate: 13.82%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-01-10 08:15:07

End at: 2018-01-10 08:15:37

Below is generated by plot.py at 2018-01-10 11:17:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 1417.68 Mbit/s

95th percentile per-packet one-way delay: 324.473 ms

Loss rate: 11.38%

-- Flow 1:

Average throughput: 686.62 Mbit/s

95th percentile per-packet one-way delay: 325.557 ms

Loss rate: 9.46%

-- Flow 2:

Average throughput: 743.74 Mbit/s

95th percentile per-packet one-way delay: 319.448 ms

Loss rate: 12.79%

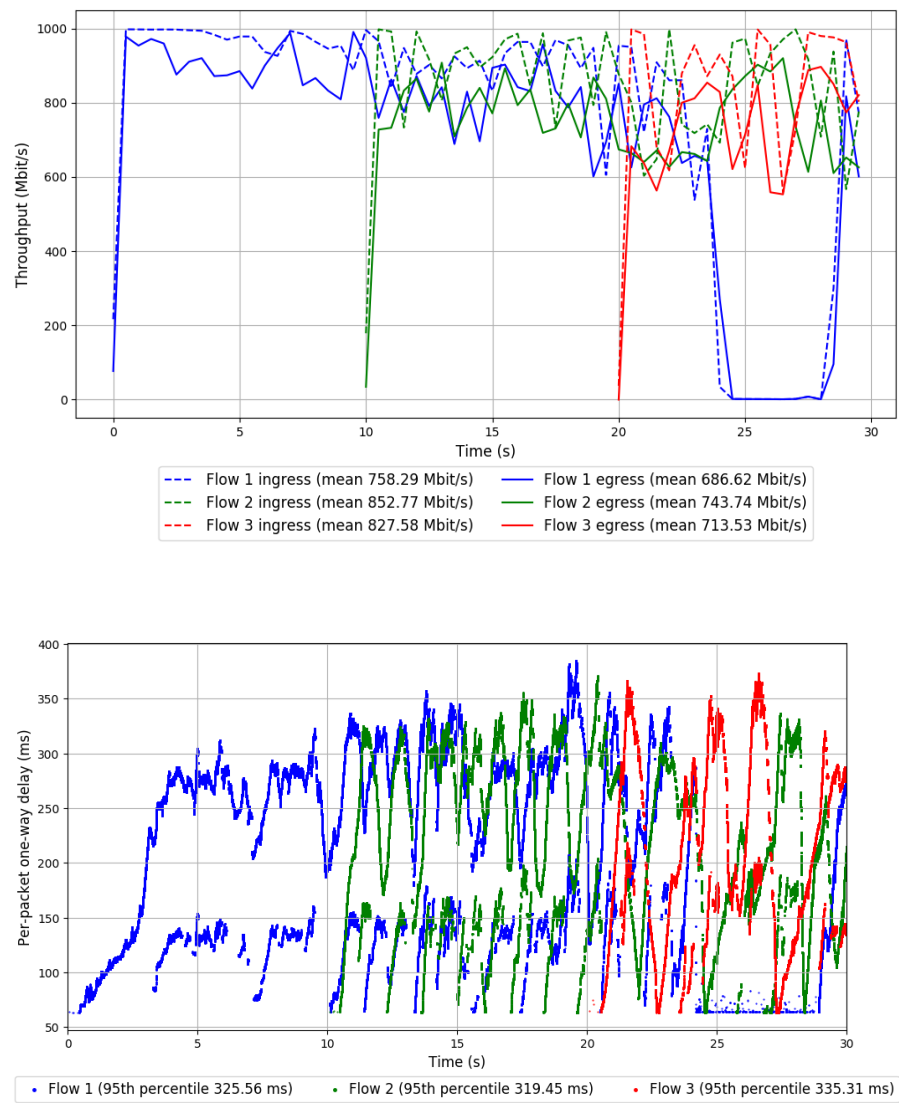
-- Flow 3:

Average throughput: 713.53 Mbit/s

95th percentile per-packet one-way delay: 335.306 ms

Loss rate: 13.81%

Run 9: Report of FillP — Data Link

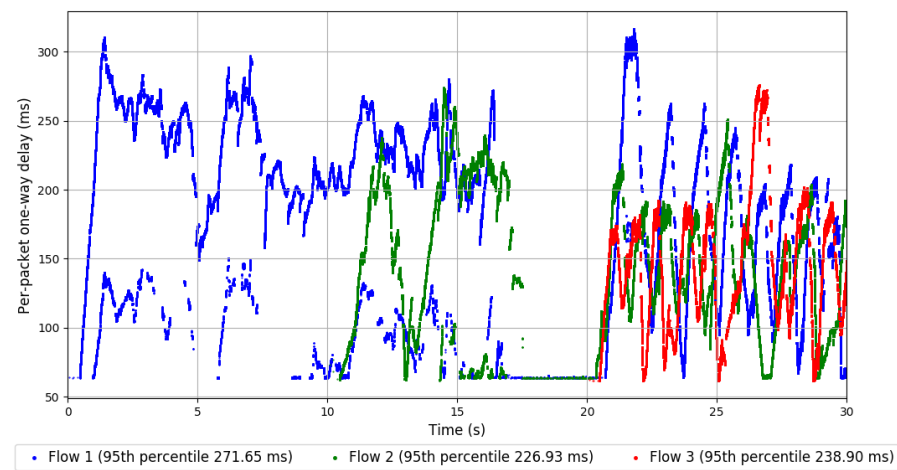
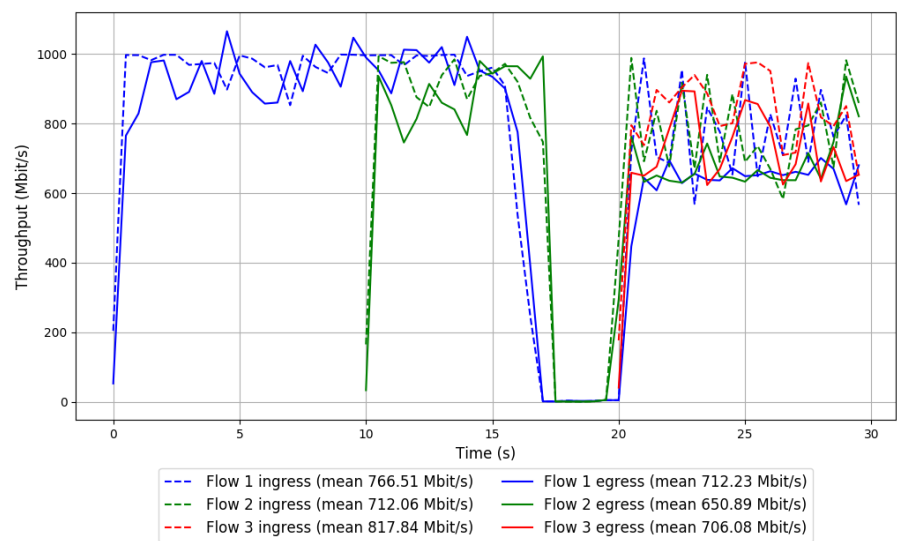


```
Run 10: Statistics of FillP

Start at: 2018-01-10 08:29:21
End at: 2018-01-10 08:29:51

# Below is generated by plot.py at 2018-01-10 11:22:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1378.90 Mbit/s
95th percentile per-packet one-way delay: 265.378 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 712.23 Mbit/s
95th percentile per-packet one-way delay: 271.646 ms
Loss rate: 7.09%
-- Flow 2:
Average throughput: 650.89 Mbit/s
95th percentile per-packet one-way delay: 226.934 ms
Loss rate: 8.64%
-- Flow 3:
Average throughput: 706.08 Mbit/s
95th percentile per-packet one-way delay: 238.897 ms
Loss rate: 13.67%
```

Run 10: Report of FillP — Data Link

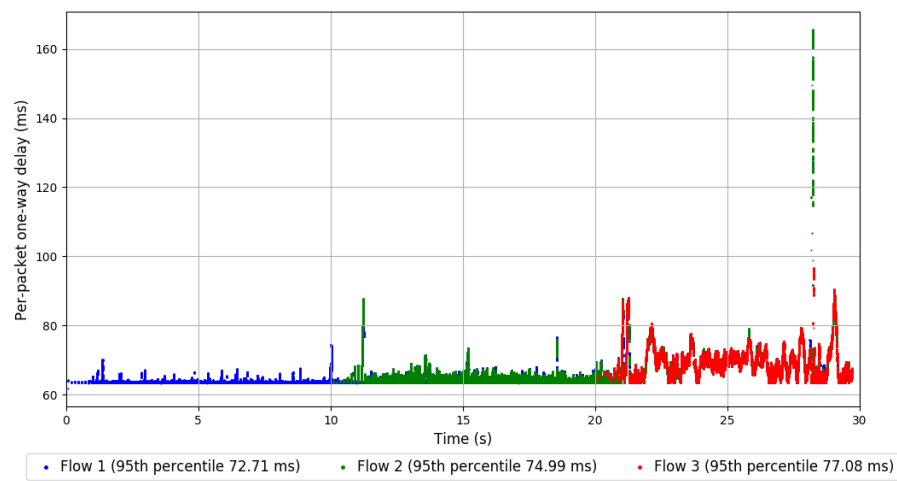
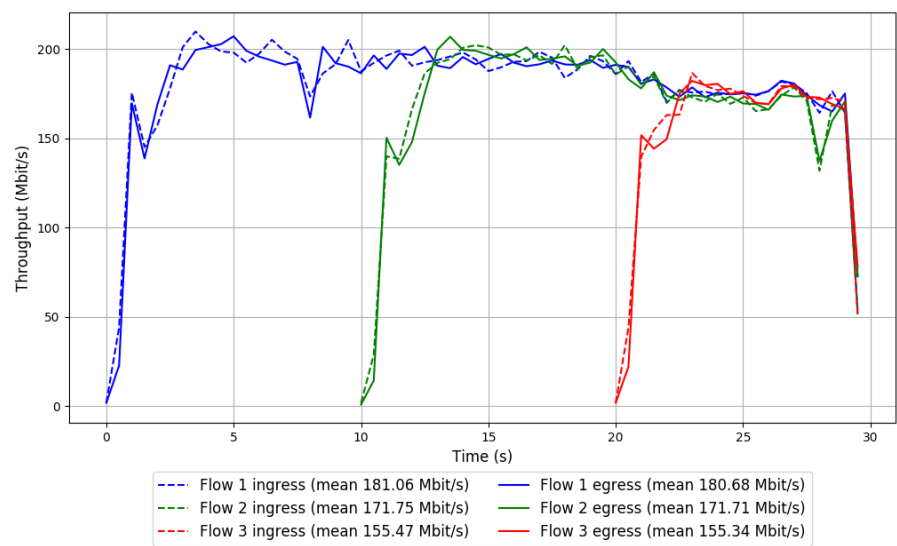


```
Run 1: Statistics of Indigo

Start at: 2018-01-10 06:15:05
End at: 2018-01-10 06:15:35

# Below is generated by plot.py at 2018-01-10 11:22:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.72 Mbit/s
95th percentile per-packet one-way delay: 74.520 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 180.68 Mbit/s
95th percentile per-packet one-way delay: 72.712 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 171.71 Mbit/s
95th percentile per-packet one-way delay: 74.993 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 155.34 Mbit/s
95th percentile per-packet one-way delay: 77.080 ms
Loss rate: 0.08%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-01-10 06:29:20

End at: 2018-01-10 06:29:50

Below is generated by plot.py at 2018-01-10 11:22:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.67 Mbit/s

95th percentile per-packet one-way delay: 78.622 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 176.48 Mbit/s

95th percentile per-packet one-way delay: 76.212 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 171.57 Mbit/s

95th percentile per-packet one-way delay: 78.839 ms

Loss rate: 0.10%

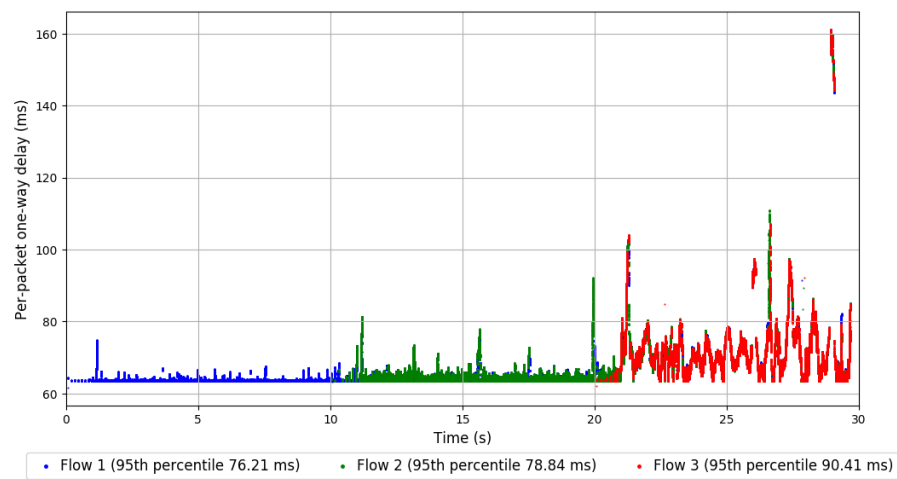
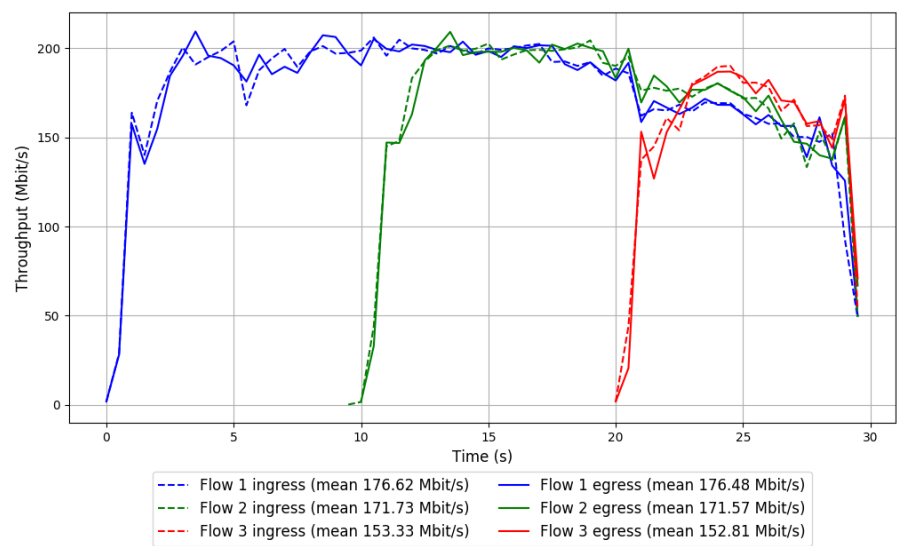
-- Flow 3:

Average throughput: 152.81 Mbit/s

95th percentile per-packet one-way delay: 90.413 ms

Loss rate: 0.35%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-10 06:43:36

End at: 2018-01-10 06:44:06

Below is generated by plot.py at 2018-01-10 11:22:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 343.23 Mbit/s

95th percentile per-packet one-way delay: 78.526 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 178.19 Mbit/s

95th percentile per-packet one-way delay: 76.035 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 173.50 Mbit/s

95th percentile per-packet one-way delay: 78.533 ms

Loss rate: 0.01%

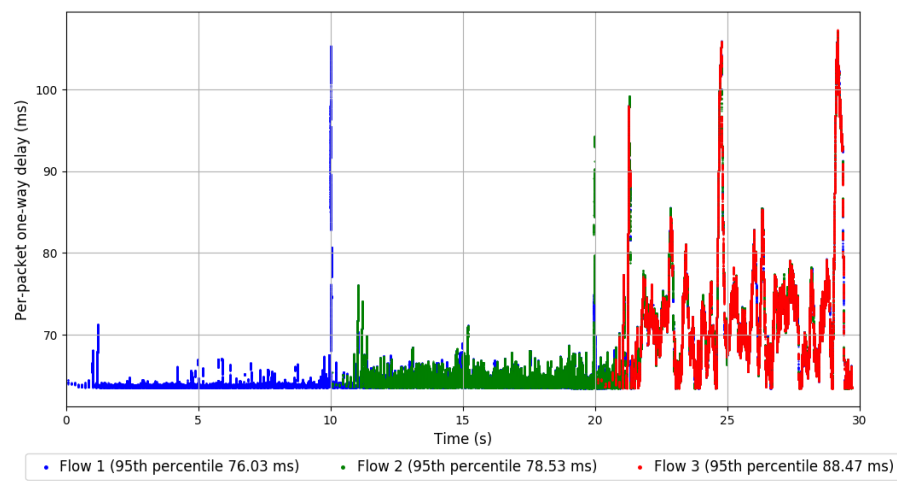
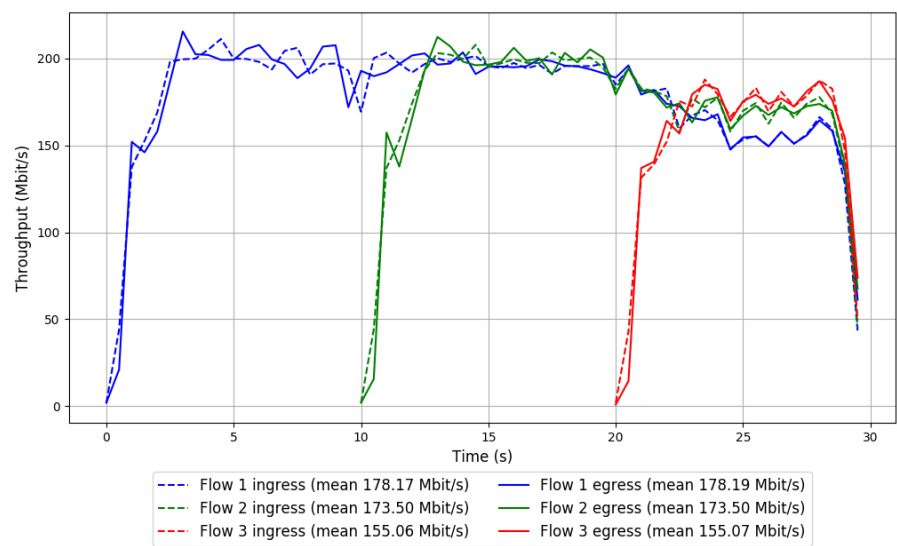
-- Flow 3:

Average throughput: 155.07 Mbit/s

95th percentile per-packet one-way delay: 88.468 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-10 06:57:33

End at: 2018-01-10 06:58:03

Below is generated by plot.py at 2018-01-10 11:22:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.88 Mbit/s

95th percentile per-packet one-way delay: 73.755 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 178.03 Mbit/s

95th percentile per-packet one-way delay: 72.913 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 177.15 Mbit/s

95th percentile per-packet one-way delay: 73.832 ms

Loss rate: 0.27%

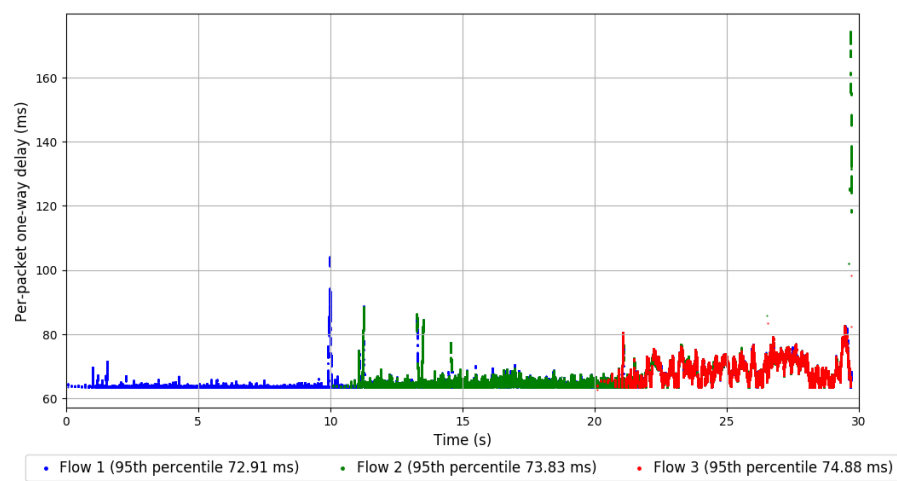
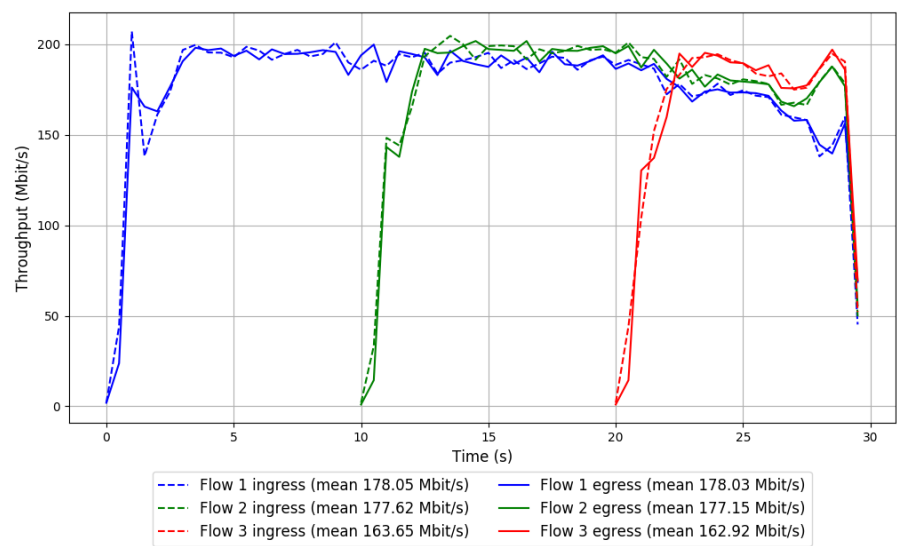
-- Flow 3:

Average throughput: 162.92 Mbit/s

95th percentile per-packet one-way delay: 74.883 ms

Loss rate: 0.32%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-01-10 07:10:46

End at: 2018-01-10 07:11:16

Below is generated by plot.py at 2018-01-10 11:22:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 337.54 Mbit/s

95th percentile per-packet one-way delay: 77.089 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 175.47 Mbit/s

95th percentile per-packet one-way delay: 75.177 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 171.57 Mbit/s

95th percentile per-packet one-way delay: 77.758 ms

Loss rate: 0.00%

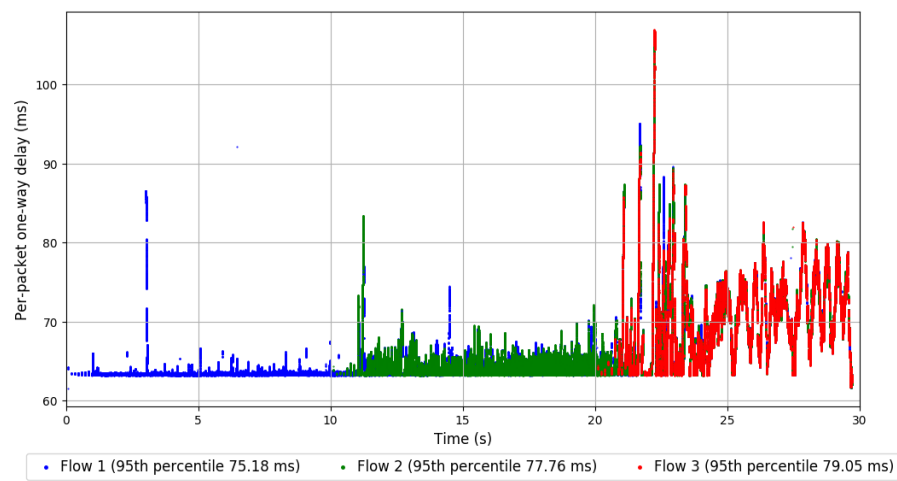
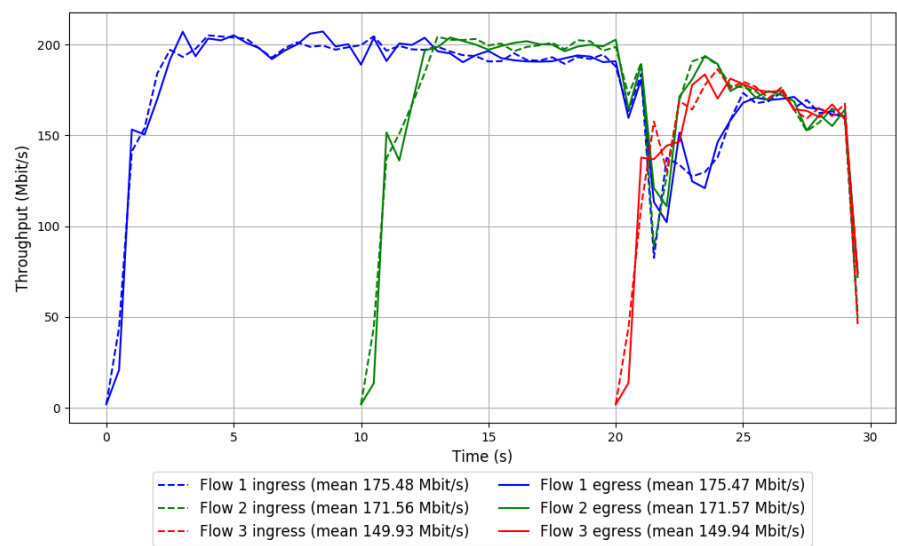
-- Flow 3:

Average throughput: 149.94 Mbit/s

95th percentile per-packet one-way delay: 79.049 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-01-10 07:24:51

End at: 2018-01-10 07:25:21

Below is generated by plot.py at 2018-01-10 11:22:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 341.80 Mbit/s

95th percentile per-packet one-way delay: 74.567 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 180.30 Mbit/s

95th percentile per-packet one-way delay: 73.730 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 169.18 Mbit/s

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

Loss rate: 0.00%

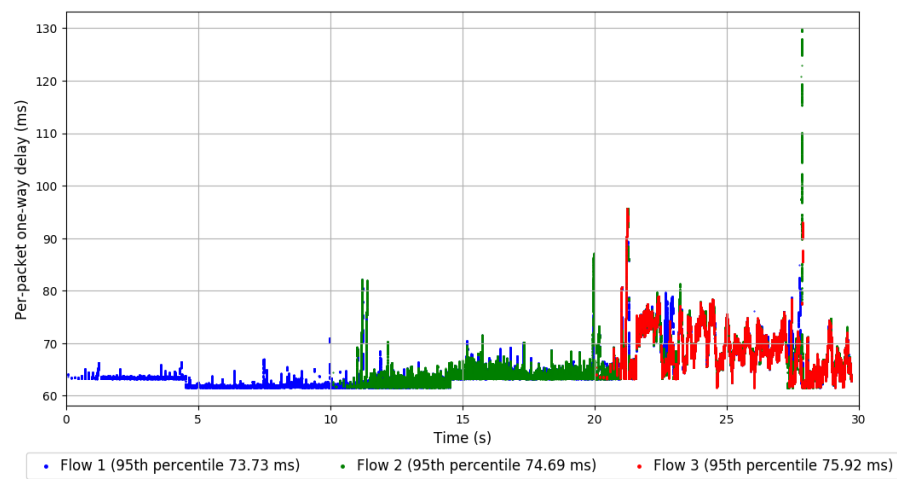
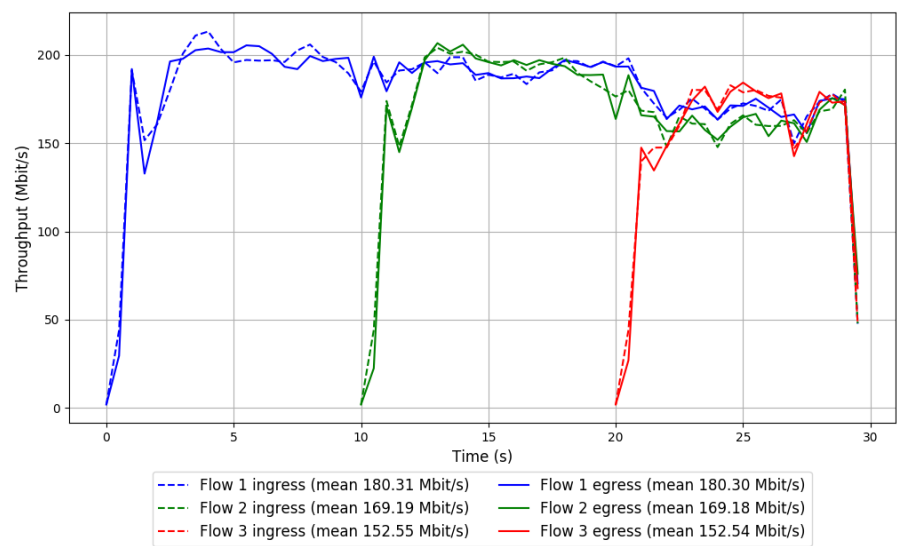
-- Flow 3:

Average throughput: 152.54 Mbit/s

95th percentile per-packet one-way delay: 75.918 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-10 07:38:39

End at: 2018-01-10 07:39:09

Below is generated by plot.py at 2018-01-10 11:22:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.91 Mbit/s

95th percentile per-packet one-way delay: 72.854 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 183.34 Mbit/s

95th percentile per-packet one-way delay: 70.557 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 177.37 Mbit/s

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

Loss rate: 0.06%

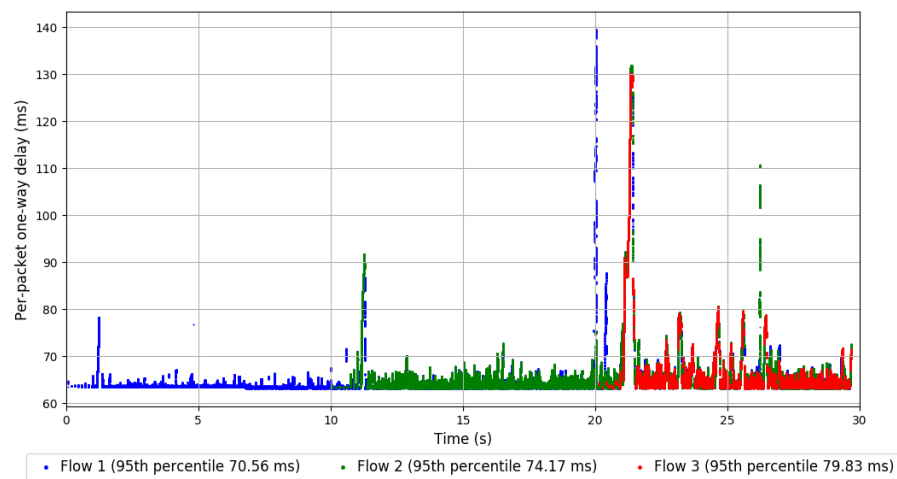
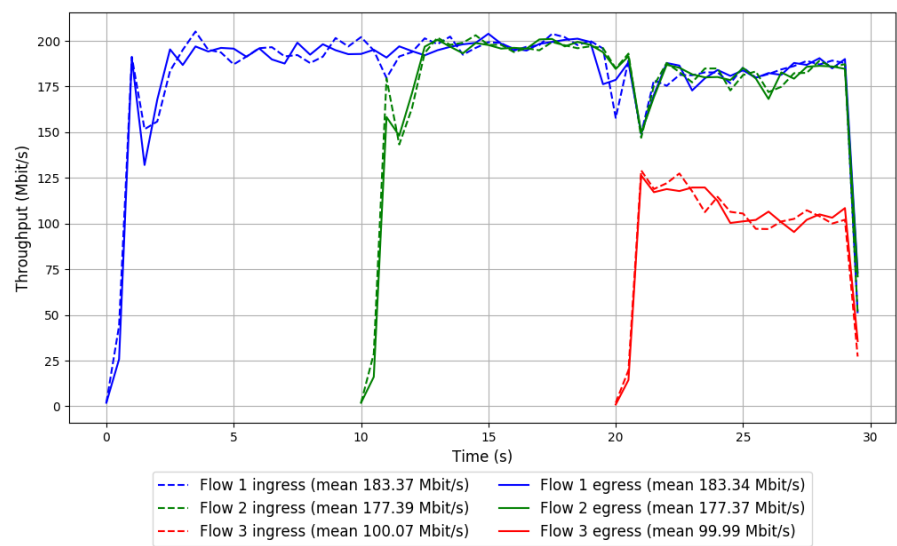
-- Flow 3:

Average throughput: 99.99 Mbit/s

95th percentile per-packet one-way delay: 79.834 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-10 07:53:09

End at: 2018-01-10 07:53:39

Below is generated by plot.py at 2018-01-10 11:22:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 348.84 Mbit/s

95th percentile per-packet one-way delay: 75.233 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 181.44 Mbit/s

95th percentile per-packet one-way delay: 74.146 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 177.29 Mbit/s

95th percentile per-packet one-way delay: 75.349 ms

Loss rate: 0.07%

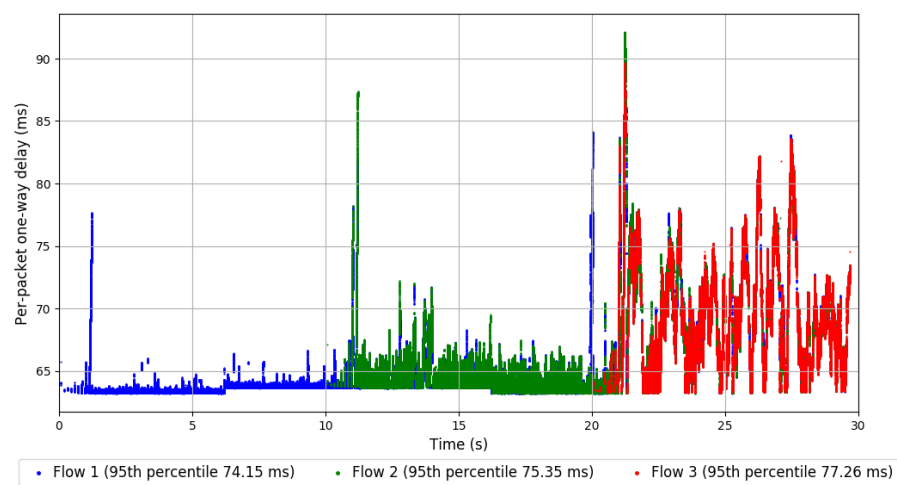
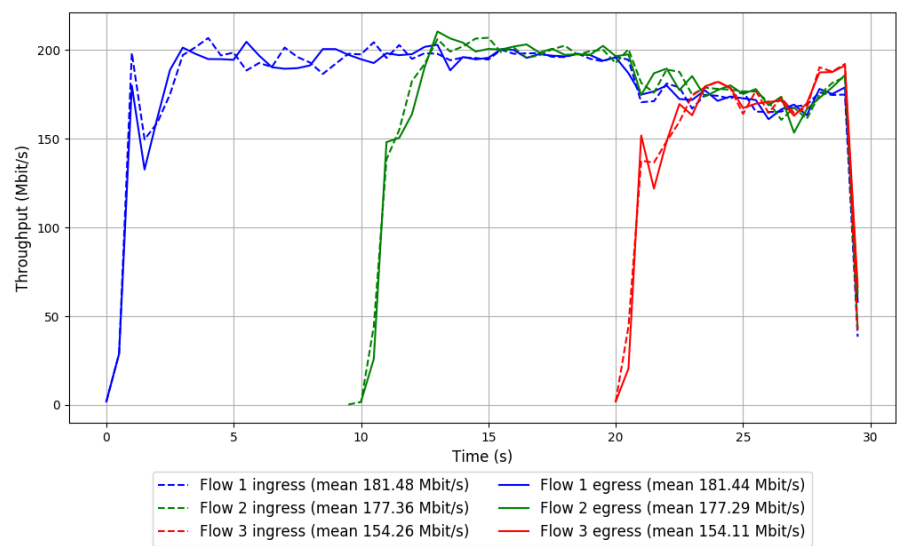
-- Flow 3:

Average throughput: 154.11 Mbit/s

95th percentile per-packet one-way delay: 77.257 ms

Loss rate: 0.08%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-01-10 08:07:32

End at: 2018-01-10 08:08:02

Below is generated by plot.py at 2018-01-10 11:22:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.38 Mbit/s

95th percentile per-packet one-way delay: 73.769 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 174.48 Mbit/s

95th percentile per-packet one-way delay: 72.579 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 175.19 Mbit/s

95th percentile per-packet one-way delay: 73.974 ms

Loss rate: 0.02%

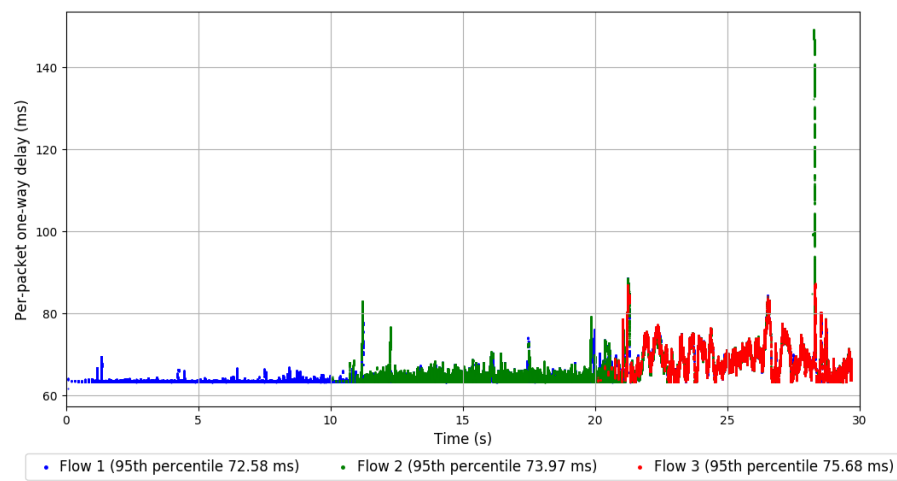
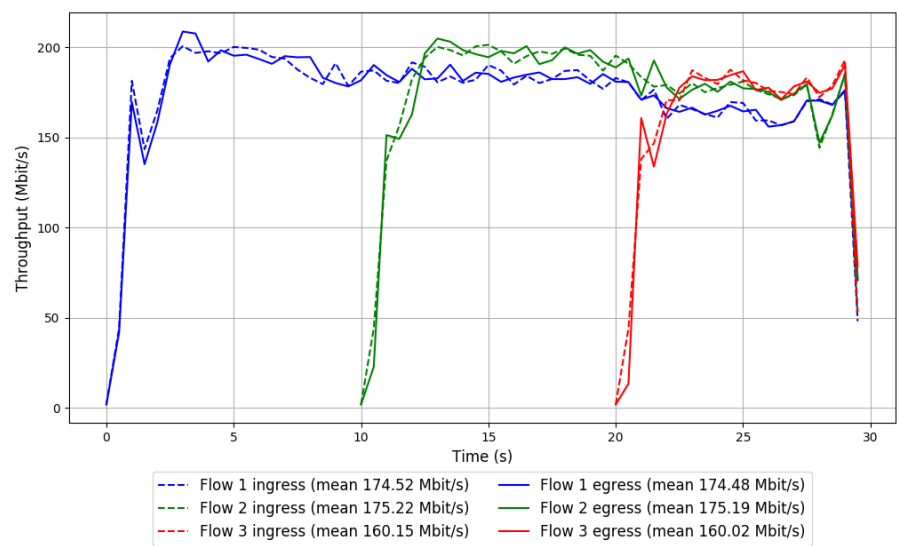
-- Flow 3:

Average throughput: 160.02 Mbit/s

95th percentile per-packet one-way delay: 75.681 ms

Loss rate: 0.08%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-10 08:21:40

End at: 2018-01-10 08:22:10

Below is generated by plot.py at 2018-01-10 11:22:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 340.90 Mbit/s

95th percentile per-packet one-way delay: 76.935 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 177.39 Mbit/s

95th percentile per-packet one-way delay: 75.431 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 174.71 Mbit/s

95th percentile per-packet one-way delay: 76.924 ms

Loss rate: 0.07%

-- Flow 3:

Average throughput: 147.13 Mbit/s

95th percentile per-packet one-way delay: 82.275 ms

Loss rate: 0.14%

Run 10: Report of Indigo — Data Link

