

Pantheon Report

Generated at 2018-02-01 01:13:41 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

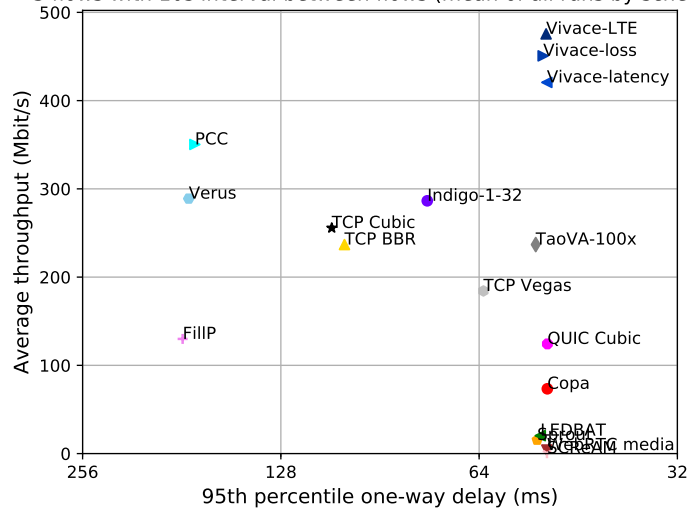
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

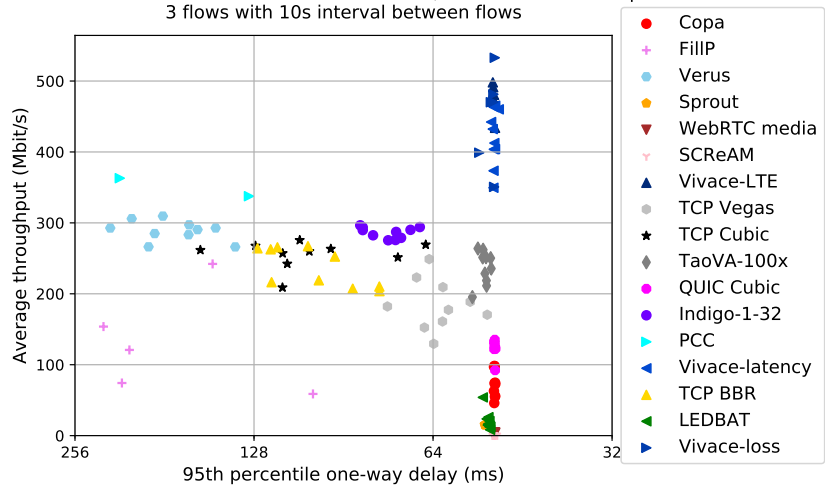
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



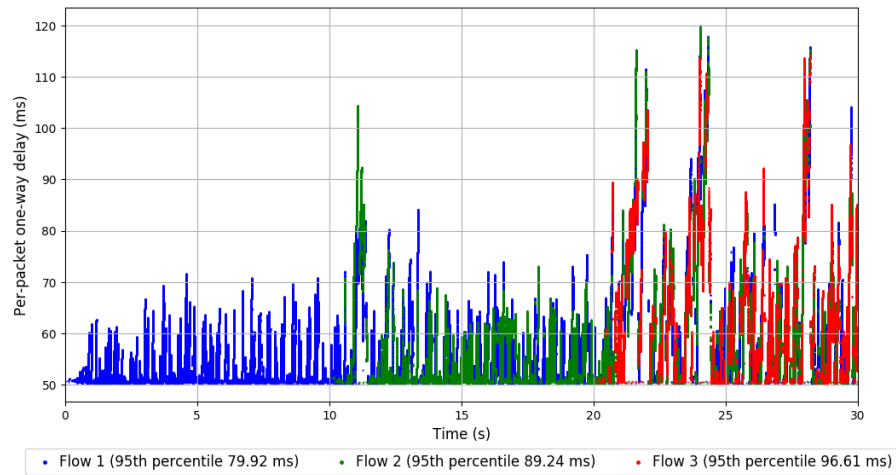
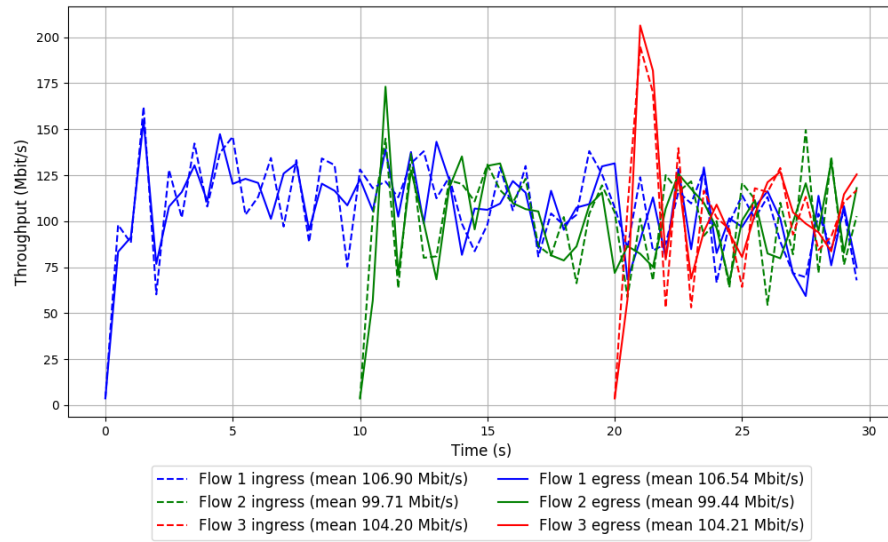
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	117.82	107.81	143.24	92.75	102.18	111.29	0.16	0.05	0.28
TCP Cubic	10	125.63	143.75	104.03	105.48	106.33	109.77	0.33	0.08	0.21
LEDBAT	10	10.78	9.84	9.16	51.68	51.62	51.70	1.09	1.39	0.96
PCC	2	312.97	46.58	19.60	171.17	177.45	159.03	0.21	0.24	0.48
QUIC Cubic	10	66.79	57.93	55.09	50.14	50.21	50.10	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	50.18	49.97	50.30	0.00	0.00	0.00
WebRTC media	10	2.02	1.42	0.56	50.35	50.22	56.04	0.00	0.00	0.01
Sprout	10	7.81	7.77	7.43	52.23	52.25	52.28	0.44	0.35	0.49
TaoVA-100x	10	144.92	130.18	96.86	51.73	53.35	54.48	0.02	0.04	0.01
TCP Vegas	10	71.98	129.52	78.86	59.61	62.21	62.33	0.14	0.01	0.05
Verus	10	176.21	127.70	87.52	169.89	176.88	198.57	0.39	0.43	1.72
Copa	10	38.98	33.99	35.64	50.40	50.43	50.41	0.03	0.00	0.00
FillP	5	48.38	67.70	110.32	174.75	135.13	156.22	0.60	0.09	0.16
Indigo-1-32	10	164.28	138.19	94.35	73.28	77.56	90.54	0.02	0.02	0.07
Vivace-latency	10	234.51	212.67	136.31	50.09	51.22	50.54	0.00	0.00	0.01
Vivace-loss	6	245.99	226.37	175.84	51.98	50.55	50.06	0.00	0.00	0.00
Vivace-LTE	6	265.84	229.04	168.85	50.72	50.44	50.47	0.00	0.00	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-31 19:11:32
End at: 2018-01-31 19:12:02

# Below is generated by plot.py at 2018-01-31 23:51:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 207.20 Mbit/s
95th percentile per-packet one-way delay: 87.351 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 106.54 Mbit/s
95th percentile per-packet one-way delay: 79.923 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 99.44 Mbit/s
95th percentile per-packet one-way delay: 89.239 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 104.21 Mbit/s
95th percentile per-packet one-way delay: 96.615 ms
Loss rate: 0.00%
```


Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-31 19:27:41

End at: 2018-01-31 19:28:11

Below is generated by plot.py at 2018-01-31 23:52:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.14 Mbit/s

95th percentile per-packet one-way delay: 103.873 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 130.24 Mbit/s

95th percentile per-packet one-way delay: 92.615 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 115.46 Mbit/s

95th percentile per-packet one-way delay: 106.176 ms

Loss rate: 0.01%

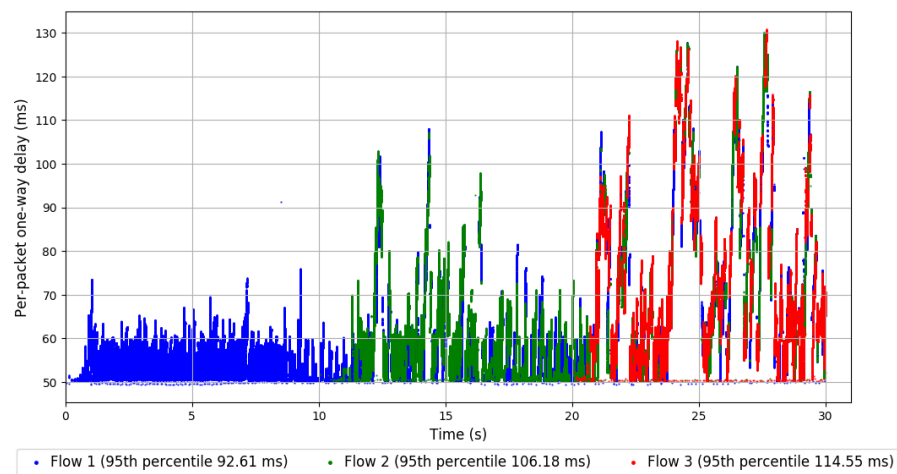
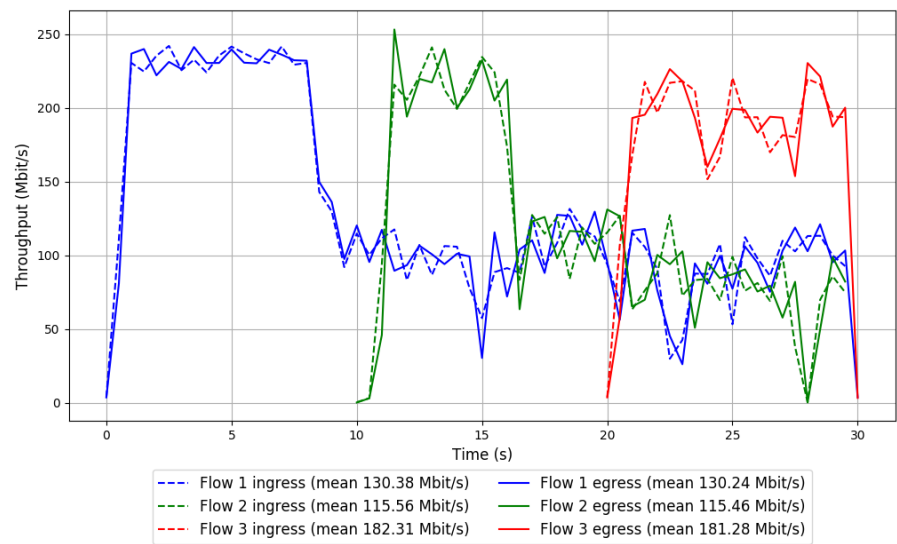
-- Flow 3:

Average throughput: 181.28 Mbit/s

95th percentile per-packet one-way delay: 114.550 ms

Loss rate: 0.56%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-31 19:43:53

End at: 2018-01-31 19:44:23

Below is generated by plot.py at 2018-01-31 23:52:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 265.58 Mbit/s

95th percentile per-packet one-way delay: 116.904 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 138.50 Mbit/s

95th percentile per-packet one-way delay: 93.960 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 105.32 Mbit/s

95th percentile per-packet one-way delay: 121.789 ms

Loss rate: 0.00%

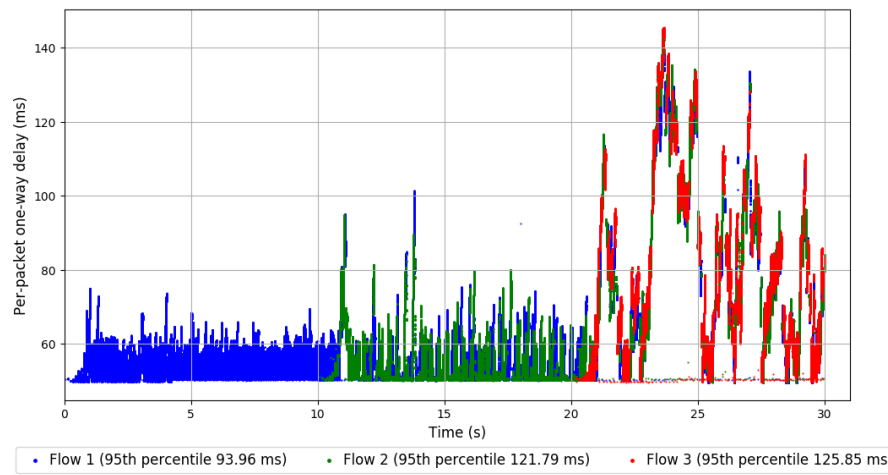
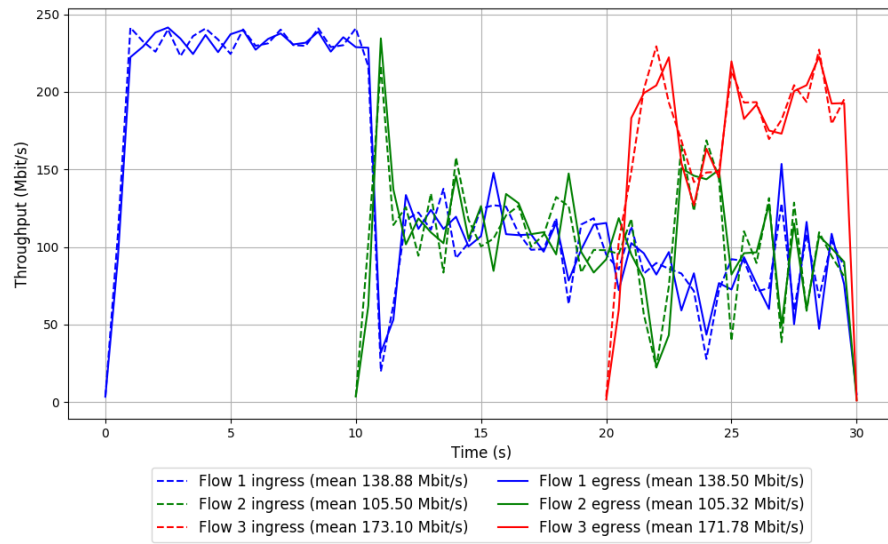
-- Flow 3:

Average throughput: 171.78 Mbit/s

95th percentile per-packet one-way delay: 125.850 ms

Loss rate: 0.67%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-31 19:59:56

End at: 2018-01-31 20:00:26

Below is generated by plot.py at 2018-01-31 23:52:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.53 Mbit/s

95th percentile per-packet one-way delay: 93.592 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 130.68 Mbit/s

95th percentile per-packet one-way delay: 84.183 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 90.877 ms

Loss rate: 0.02%

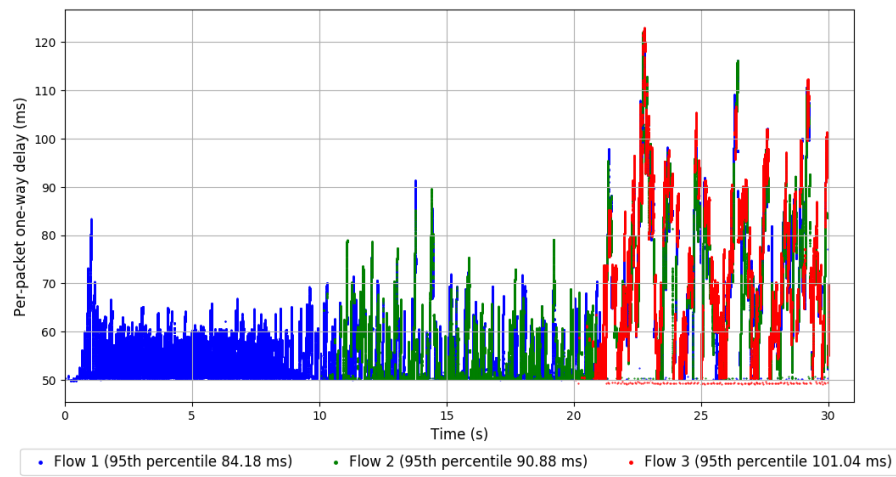
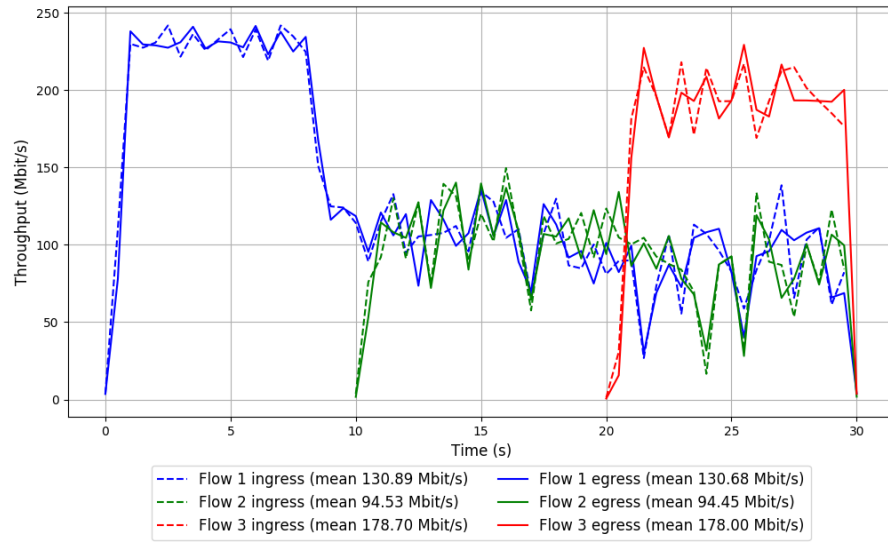
-- Flow 3:

Average throughput: 178.00 Mbit/s

95th percentile per-packet one-way delay: 101.041 ms

Loss rate: 0.38%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-31 20:15:49

End at: 2018-01-31 20:16:19

Below is generated by plot.py at 2018-01-31 23:52:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.26 Mbit/s

95th percentile per-packet one-way delay: 78.786 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 76.956 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 122.78 Mbit/s

95th percentile per-packet one-way delay: 79.304 ms

Loss rate: 0.00%

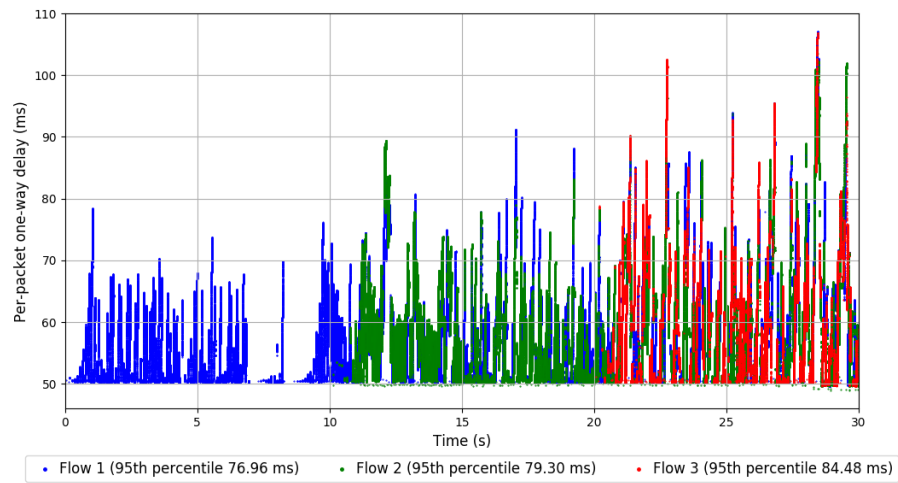
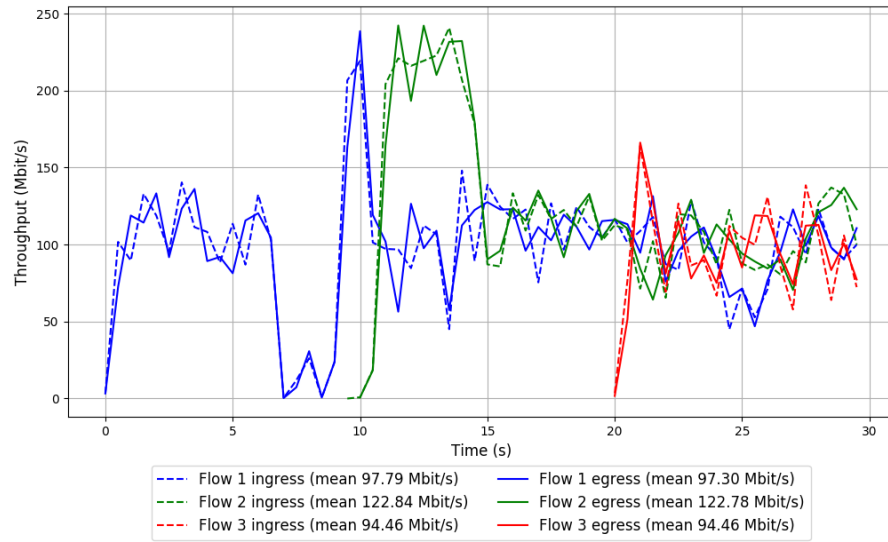
-- Flow 3:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 84.480 ms

Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-31 20:31:50

End at: 2018-01-31 20:32:20

Below is generated by plot.py at 2018-01-31 23:52:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.17 Mbit/s

95th percentile per-packet one-way delay: 126.285 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 138.85 Mbit/s

95th percentile per-packet one-way delay: 115.557 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 113.04 Mbit/s

95th percentile per-packet one-way delay: 126.797 ms

Loss rate: 0.05%

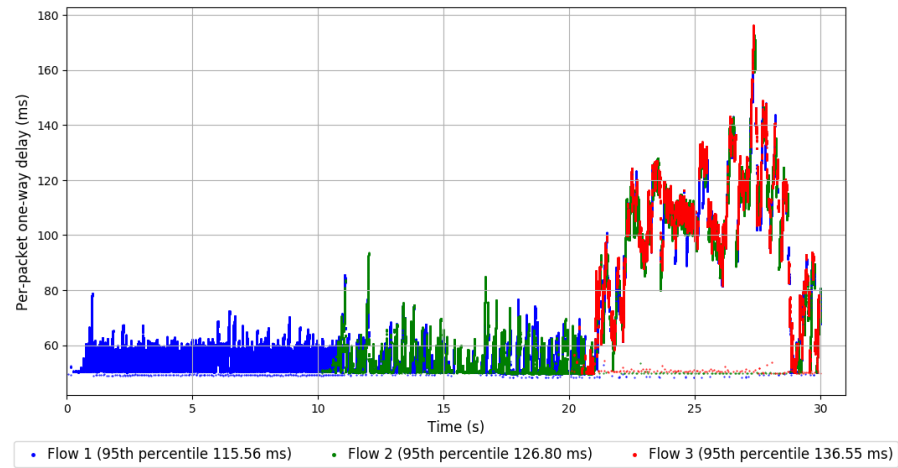
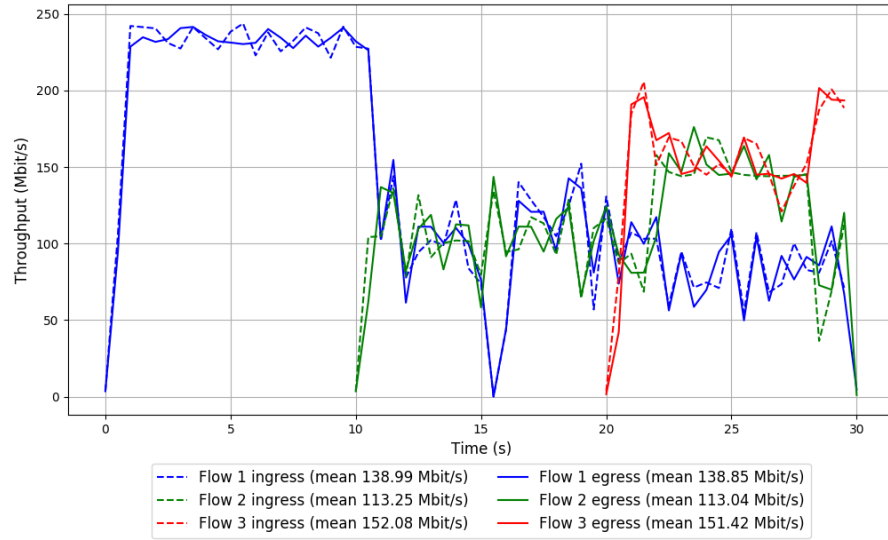
-- Flow 3:

Average throughput: 151.42 Mbit/s

95th percentile per-packet one-way delay: 136.553 ms

Loss rate: 0.64%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-31 20:46:59

End at: 2018-01-31 20:47:29

Below is generated by plot.py at 2018-01-31 23:52:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.36 Mbit/s

95th percentile per-packet one-way delay: 119.592 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 105.68 Mbit/s

95th percentile per-packet one-way delay: 115.515 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 113.002 ms

Loss rate: 0.00%

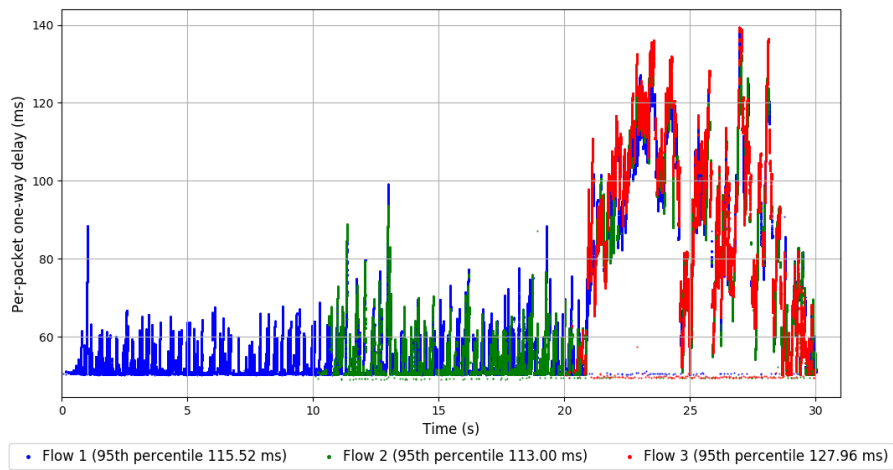
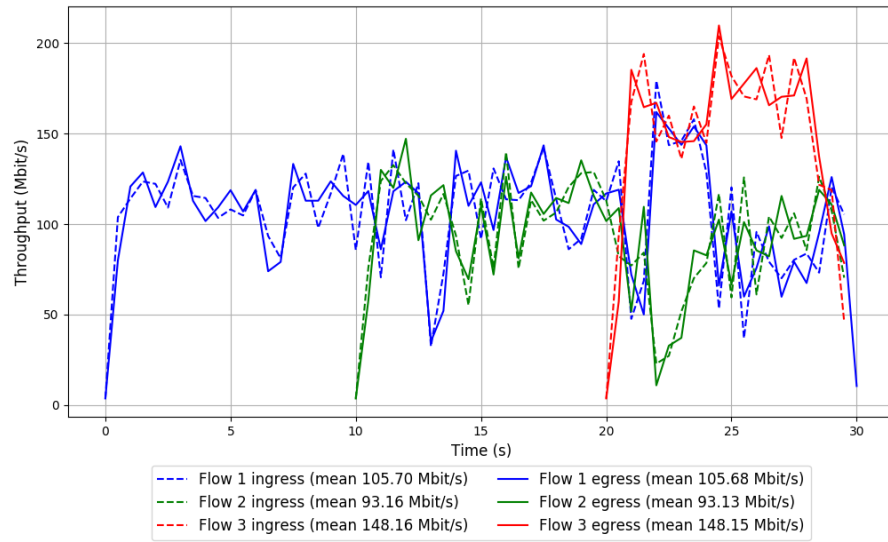
-- Flow 3:

Average throughput: 148.15 Mbit/s

95th percentile per-packet one-way delay: 127.957 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-31 21:02:03

End at: 2018-01-31 21:02:33

Below is generated by plot.py at 2018-01-31 23:52:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 203.80 Mbit/s

95th percentile per-packet one-way delay: 78.758 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 103.86 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 102.26 Mbit/s

95th percentile per-packet one-way delay: 79.515 ms

Loss rate: 0.00%

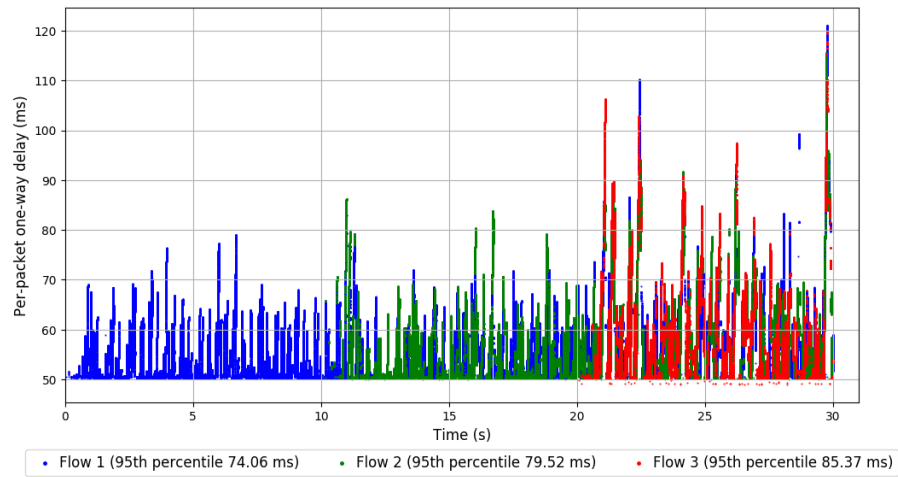
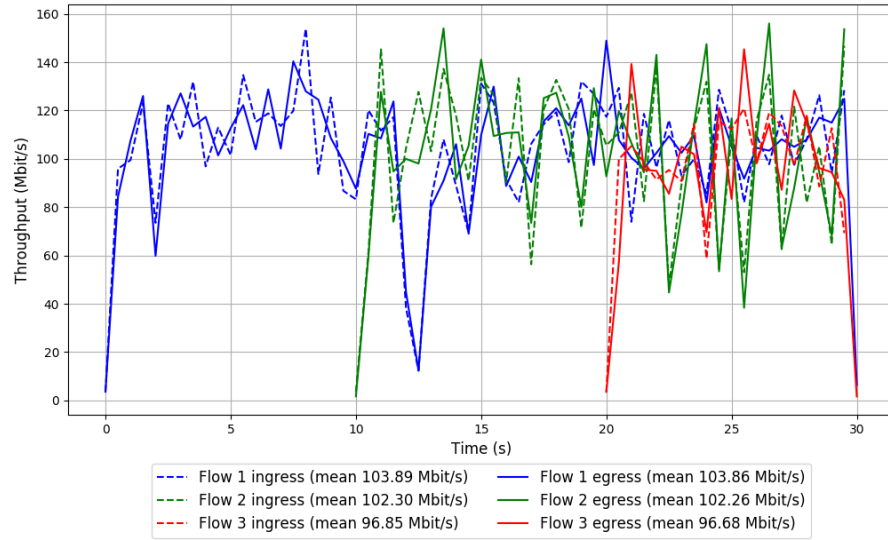
-- Flow 3:

Average throughput: 96.68 Mbit/s

95th percentile per-packet one-way delay: 85.366 ms

Loss rate: 0.16%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-31 21:17:15

End at: 2018-01-31 21:17:45

Below is generated by plot.py at 2018-01-31 23:56:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.76 Mbit/s

95th percentile per-packet one-way delay: 120.022 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 128.53 Mbit/s

95th percentile per-packet one-way delay: 107.032 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 119.99 Mbit/s

95th percentile per-packet one-way delay: 121.010 ms

Loss rate: 0.23%

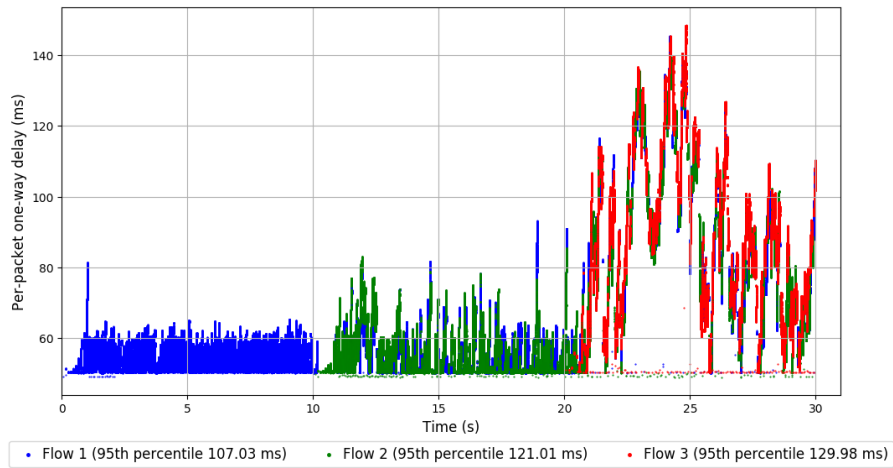
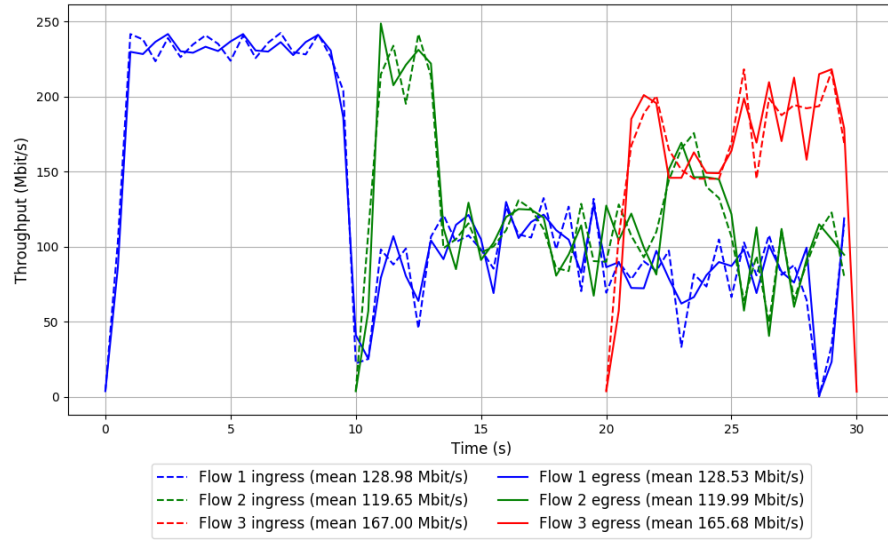
-- Flow 3:

Average throughput: 165.68 Mbit/s

95th percentile per-packet one-way delay: 129.981 ms

Loss rate: 0.33%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-31 21:32:32

End at: 2018-01-31 21:33:02

Below is generated by plot.py at 2018-01-31 23:56:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.05 Mbit/s

95th percentile per-packet one-way delay: 99.602 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 98.05 Mbit/s

95th percentile per-packet one-way delay: 87.701 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 112.22 Mbit/s

95th percentile per-packet one-way delay: 94.127 ms

Loss rate: 0.00%

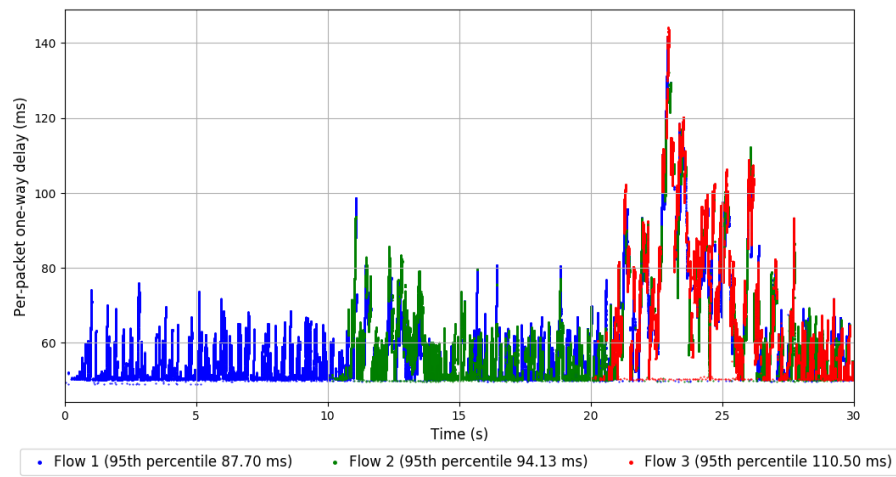
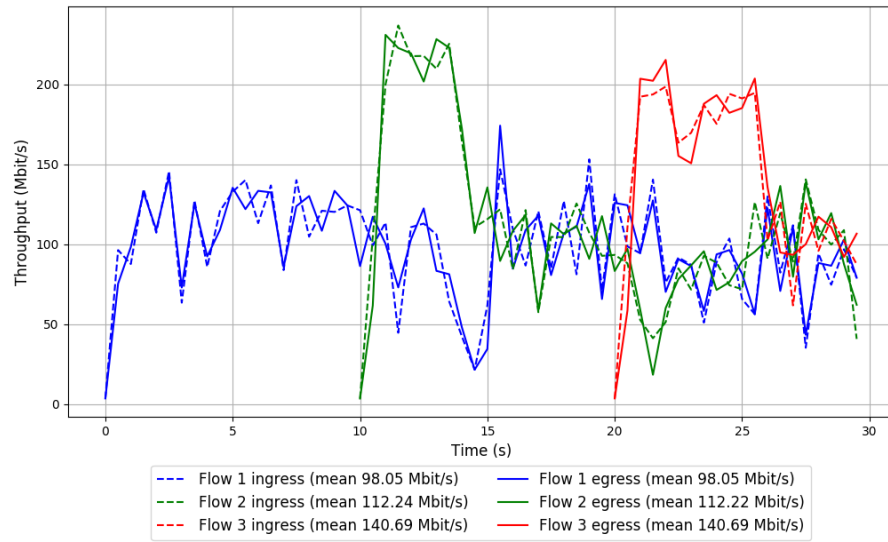
-- Flow 3:

Average throughput: 140.69 Mbit/s

95th percentile per-packet one-way delay: 110.495 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-31 19:05:28

End at: 2018-01-31 19:05:58

Below is generated by plot.py at 2018-01-31 23:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.64 Mbit/s

95th percentile per-packet one-way delay: 127.286 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 161.12 Mbit/s

95th percentile per-packet one-way delay: 124.678 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 127.006 ms

Loss rate: 0.42%

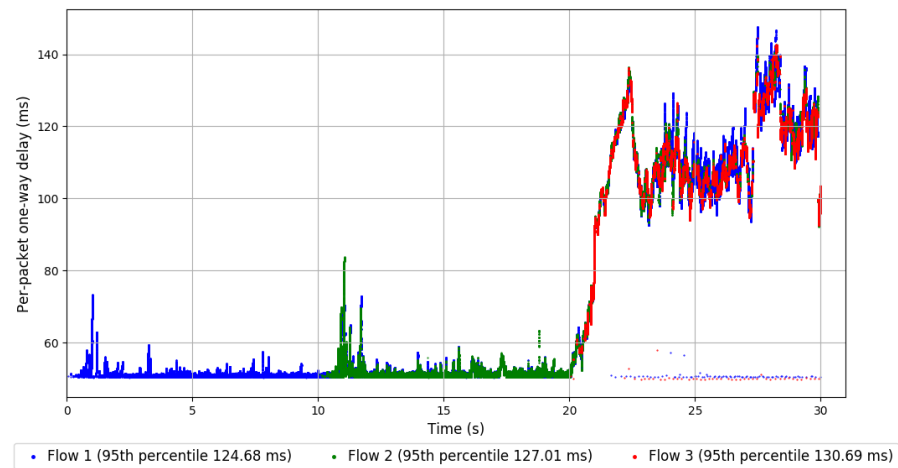
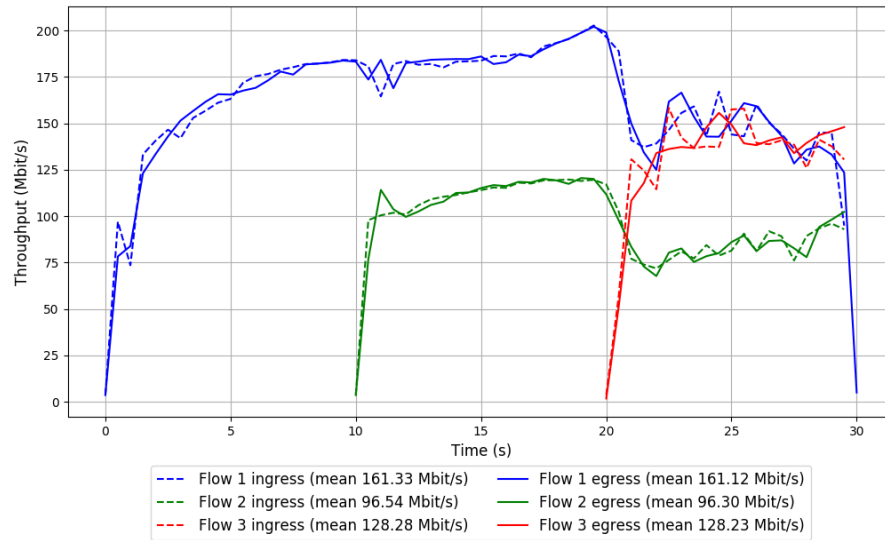
-- Flow 3:

Average throughput: 128.23 Mbit/s

95th percentile per-packet one-way delay: 130.685 ms

Loss rate: 0.13%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-31 19:21:39

End at: 2018-01-31 19:22:09

Below is generated by plot.py at 2018-01-31 23:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 251.34 Mbit/s

95th percentile per-packet one-way delay: 73.336 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 135.25 Mbit/s

95th percentile per-packet one-way delay: 72.074 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 172.48 Mbit/s

95th percentile per-packet one-way delay: 75.756 ms

Loss rate: 0.00%

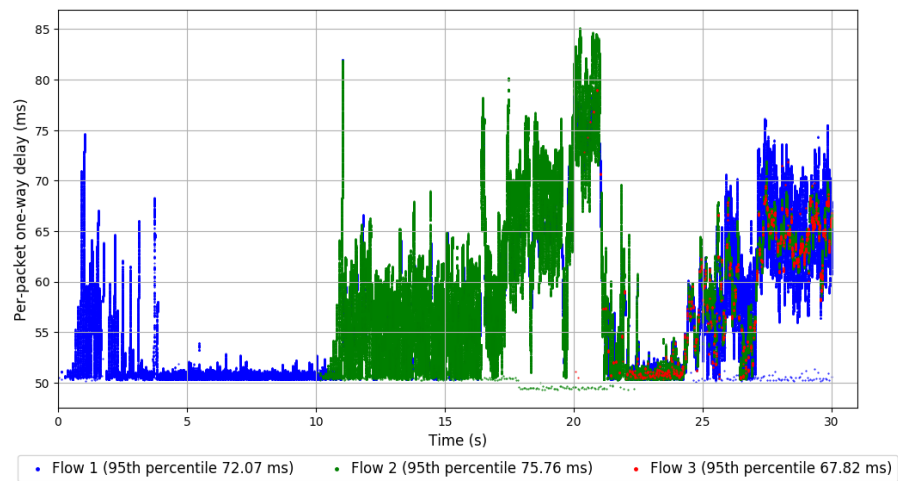
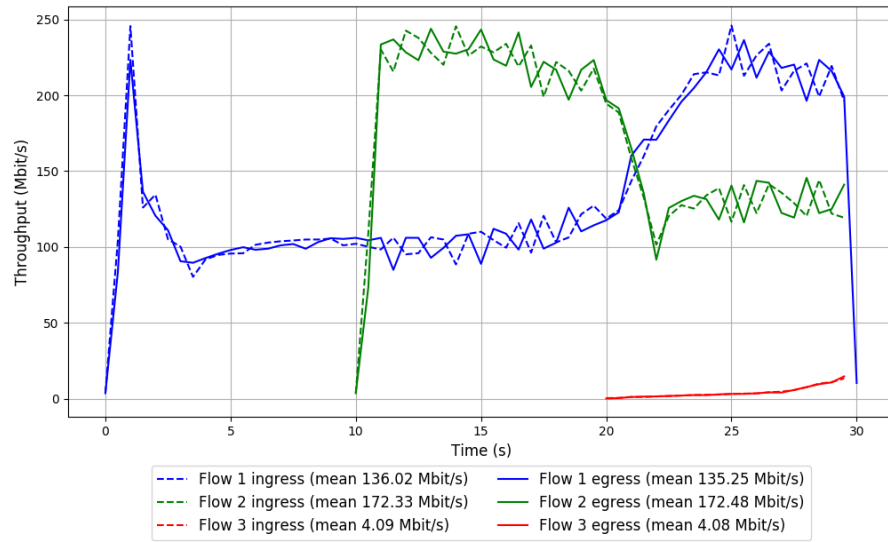
-- Flow 3:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 67.823 ms

Loss rate: 0.30%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-31 19:37:57

End at: 2018-01-31 19:38:27

Below is generated by plot.py at 2018-01-31 23:57:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 259.81 Mbit/s

95th percentile per-packet one-way delay: 103.326 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 142.47 Mbit/s

95th percentile per-packet one-way delay: 100.764 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 109.42 Mbit/s

95th percentile per-packet one-way delay: 102.143 ms

Loss rate: 0.00%

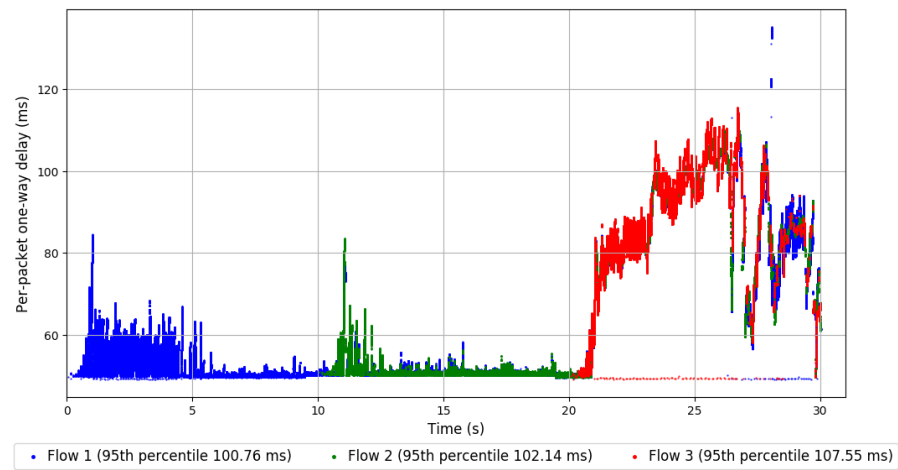
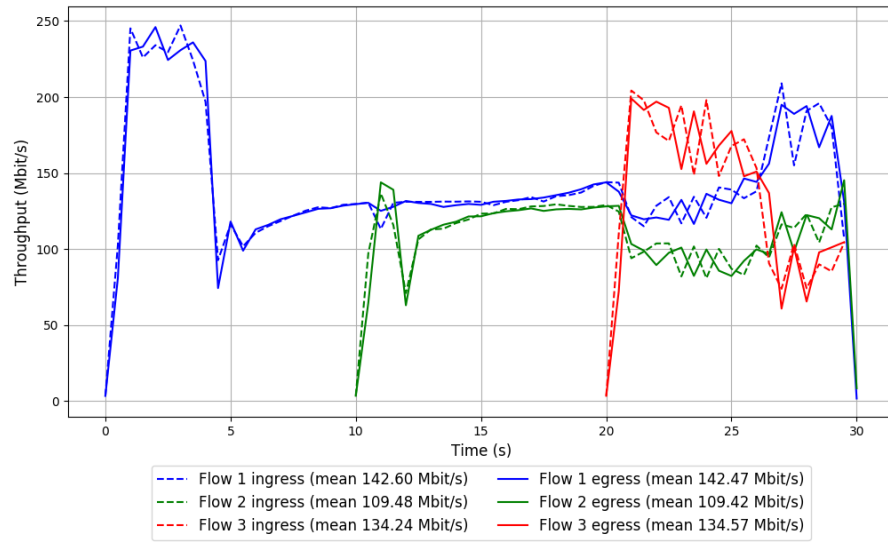
-- Flow 3:

Average throughput: 134.57 Mbit/s

95th percentile per-packet one-way delay: 107.551 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-31 19:53:58

End at: 2018-01-31 19:54:28

Below is generated by plot.py at 2018-01-31 23:57:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.07 Mbit/s

95th percentile per-packet one-way delay: 114.579 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 132.35 Mbit/s

95th percentile per-packet one-way delay: 111.903 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 122.98 Mbit/s

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

Loss rate: 0.04%

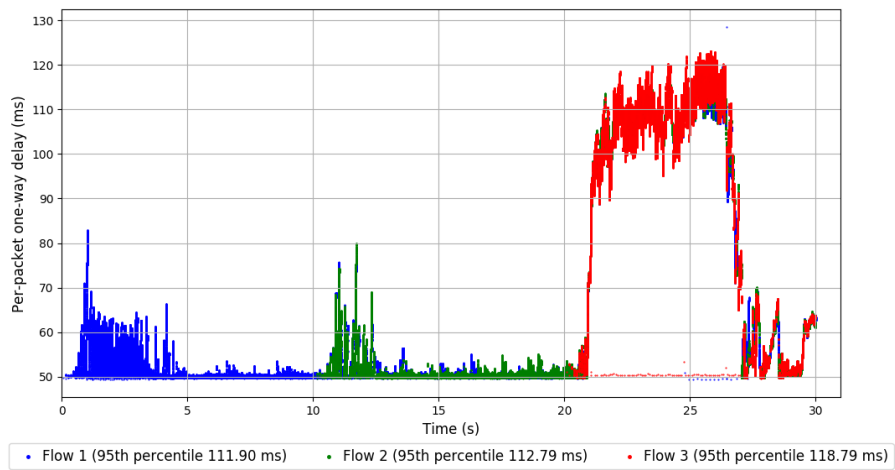
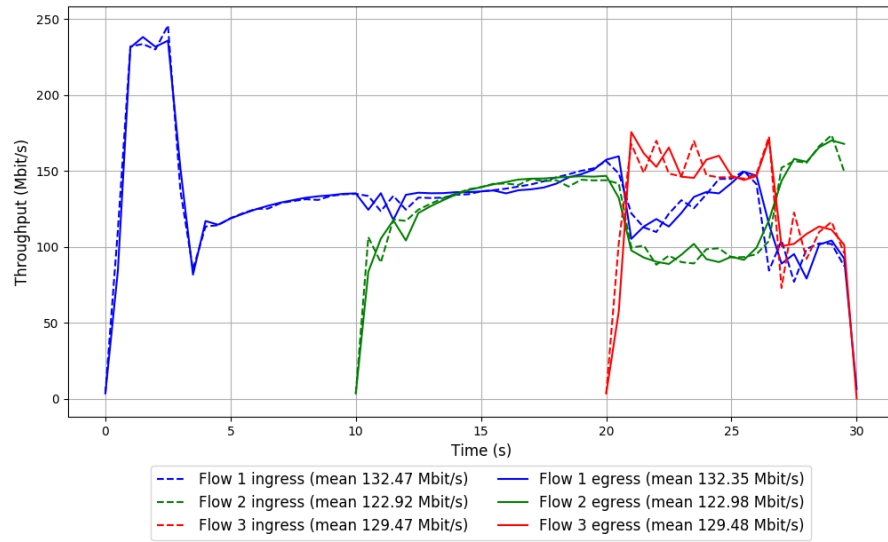
-- Flow 3:

Average throughput: 129.48 Mbit/s

95th percentile per-packet one-way delay: 118.794 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-31 20:09:56

End at: 2018-01-31 20:10:26

Below is generated by plot.py at 2018-01-31 23:57:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 208.84 Mbit/s

95th percentile per-packet one-way delay: 114.645 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 38.47 Mbit/s

95th percentile per-packet one-way delay: 114.984 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 187.35 Mbit/s

95th percentile per-packet one-way delay: 113.266 ms

Loss rate: 0.00%

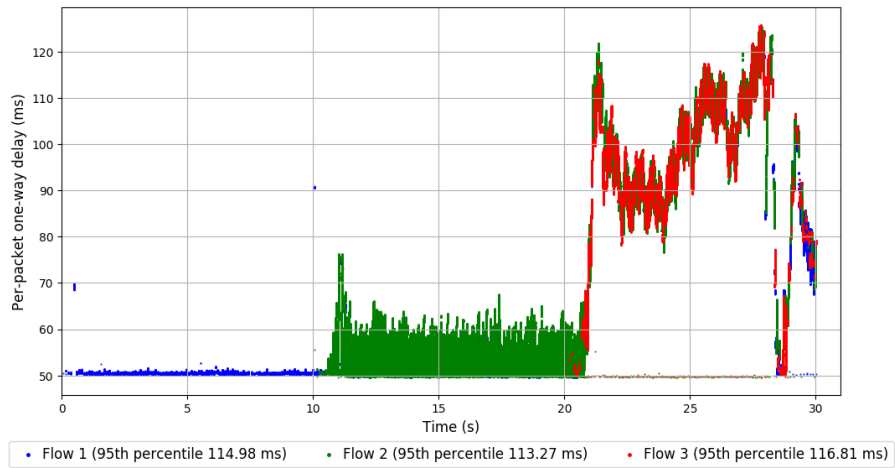
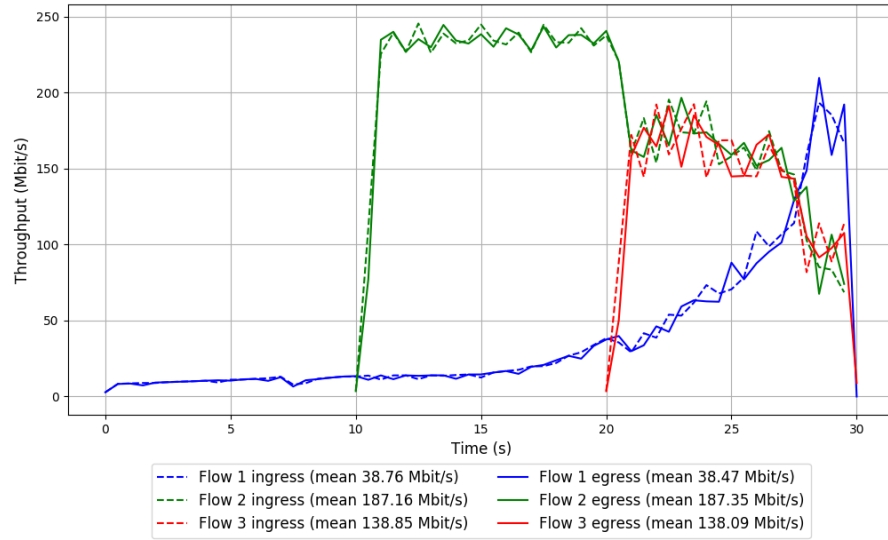
-- Flow 3:

Average throughput: 138.09 Mbit/s

95th percentile per-packet one-way delay: 116.808 ms

Loss rate: 0.40%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-31 20:25:41

End at: 2018-01-31 20:26:11

Below is generated by plot.py at 2018-01-31 23:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.26 Mbit/s

95th percentile per-packet one-way delay: 65.844 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 146.17 Mbit/s

95th percentile per-packet one-way delay: 64.516 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 182.82 Mbit/s

95th percentile per-packet one-way delay: 66.899 ms

Loss rate: 0.14%

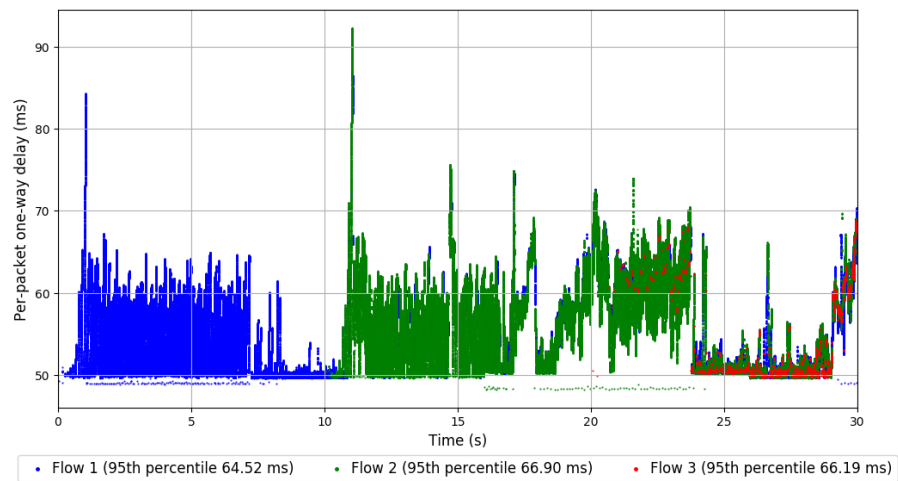
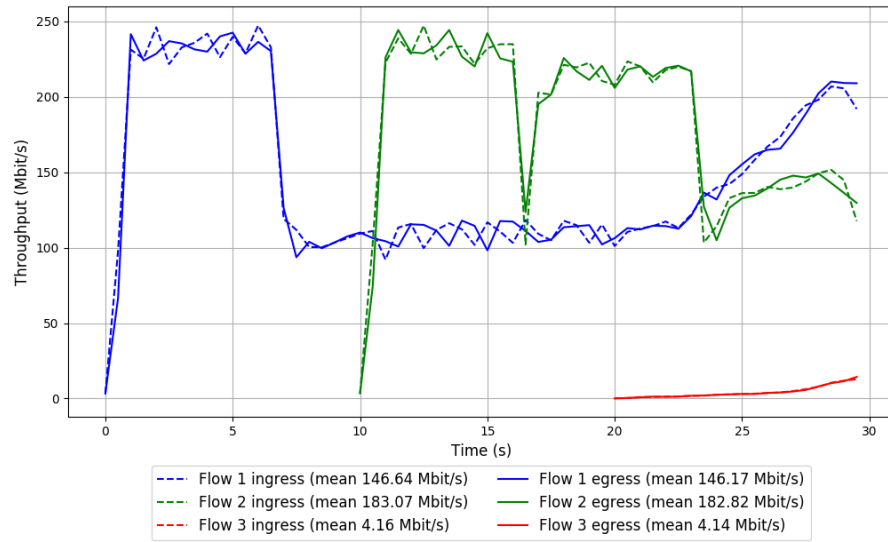
-- Flow 3:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 66.189 ms

Loss rate: 0.29%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-31 20:41:00

End at: 2018-01-31 20:41:30

Below is generated by plot.py at 2018-02-01 00:01:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.66 Mbit/s

95th percentile per-packet one-way delay: 107.236 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 128.56 Mbit/s

95th percentile per-packet one-way delay: 105.523 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 158.06 Mbit/s

95th percentile per-packet one-way delay: 106.253 ms

Loss rate: 0.05%

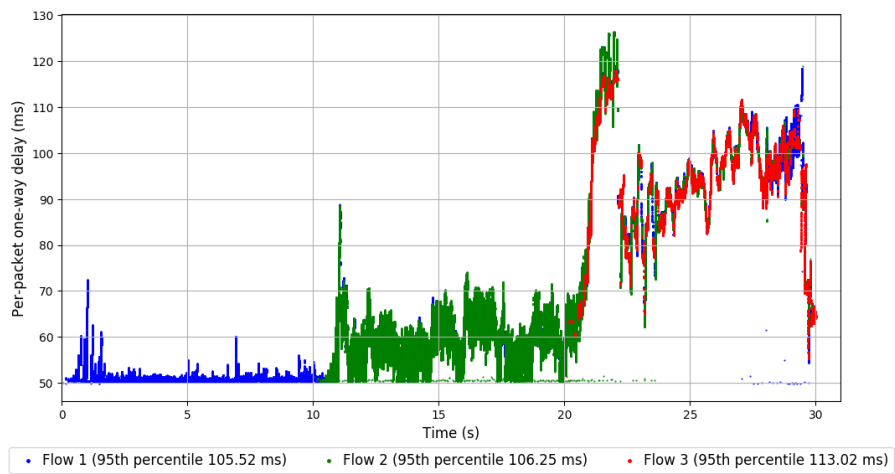
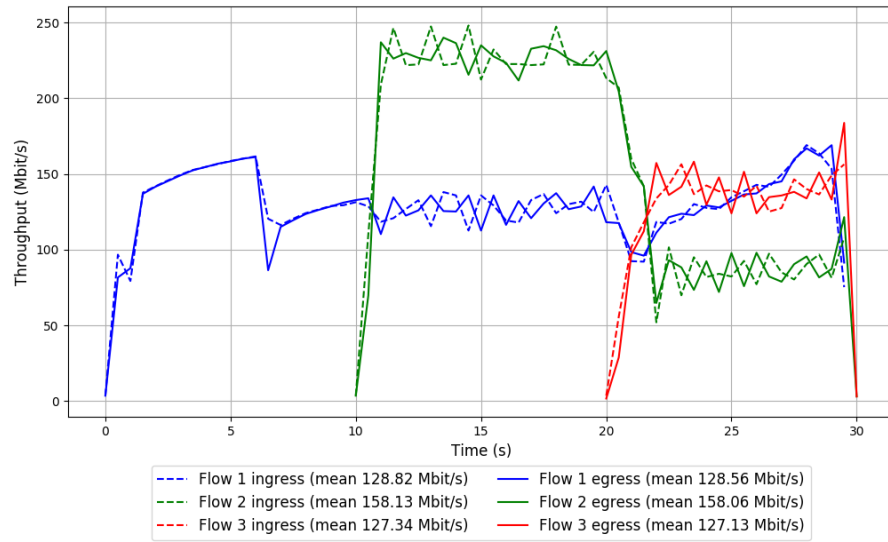
-- Flow 3:

Average throughput: 127.13 Mbit/s

95th percentile per-packet one-way delay: 113.018 ms

Loss rate: 0.18%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-31 20:56:12

End at: 2018-01-31 20:56:42

Below is generated by plot.py at 2018-02-01 00:01:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.32 Mbit/s

95th percentile per-packet one-way delay: 112.546 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 120.95 Mbit/s

95th percentile per-packet one-way delay: 111.185 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 112.91 Mbit/s

95th percentile per-packet one-way delay: 110.805 ms

Loss rate: 0.00%

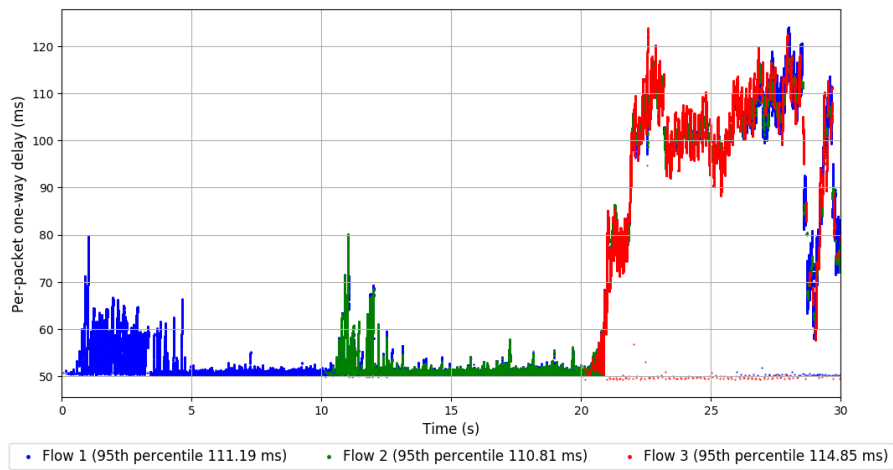
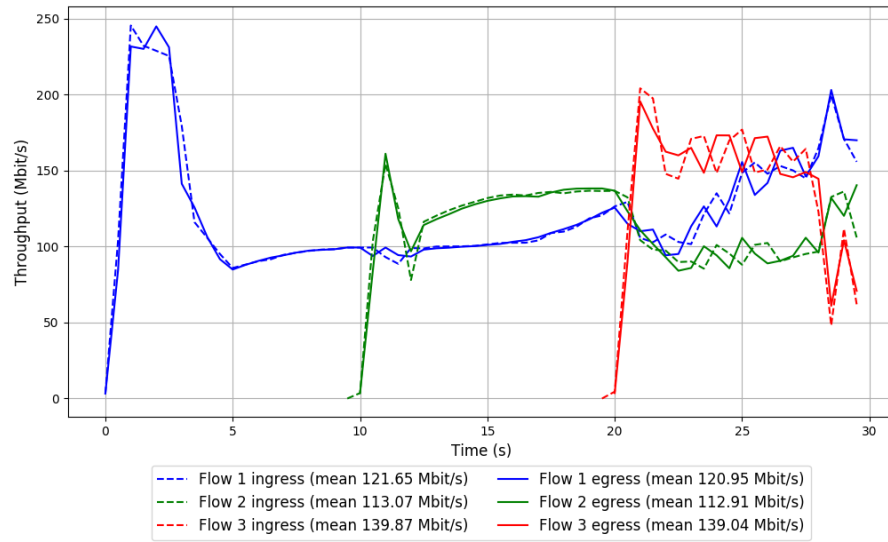
-- Flow 3:

Average throughput: 139.04 Mbit/s

95th percentile per-packet one-way delay: 114.848 ms

Loss rate: 0.46%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-31 21:11:13

End at: 2018-01-31 21:11:43

Below is generated by plot.py at 2018-02-01 00:01:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 263.33 Mbit/s

95th percentile per-packet one-way delay: 95.084 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 145.60 Mbit/s

95th percentile per-packet one-way delay: 92.609 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 118.17 Mbit/s

95th percentile per-packet one-way delay: 93.432 ms

Loss rate: 0.18%

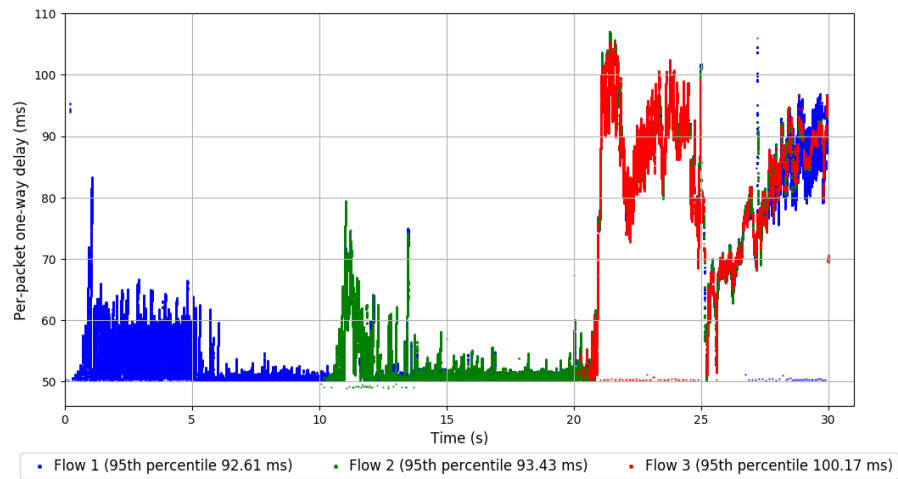
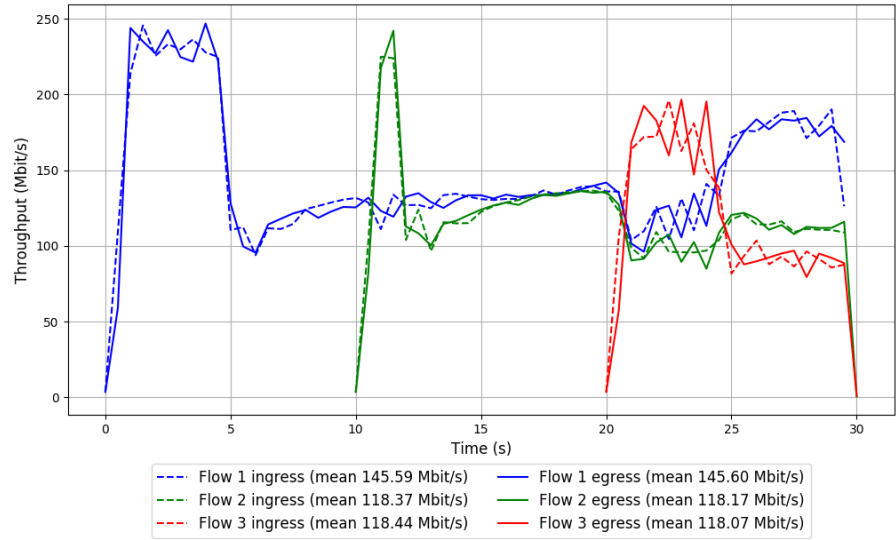
-- Flow 3:

Average throughput: 118.07 Mbit/s

95th percentile per-packet one-way delay: 100.165 ms

Loss rate: 0.33%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-31 21:26:31

End at: 2018-01-31 21:27:01

Below is generated by plot.py at 2018-02-01 00:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 261.70 Mbit/s

95th percentile per-packet one-way delay: 157.540 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 105.32 Mbit/s

95th percentile per-packet one-way delay: 156.574 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 177.04 Mbit/s

95th percentile per-packet one-way delay: 154.955 ms

Loss rate: 0.00%

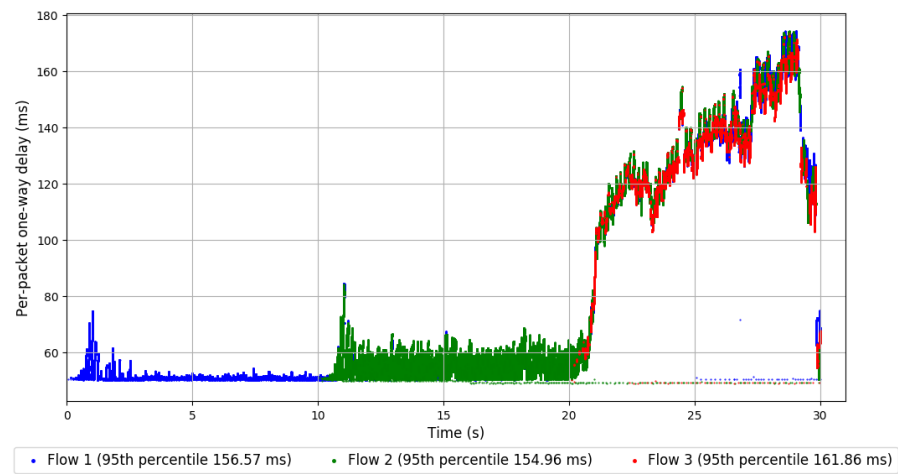
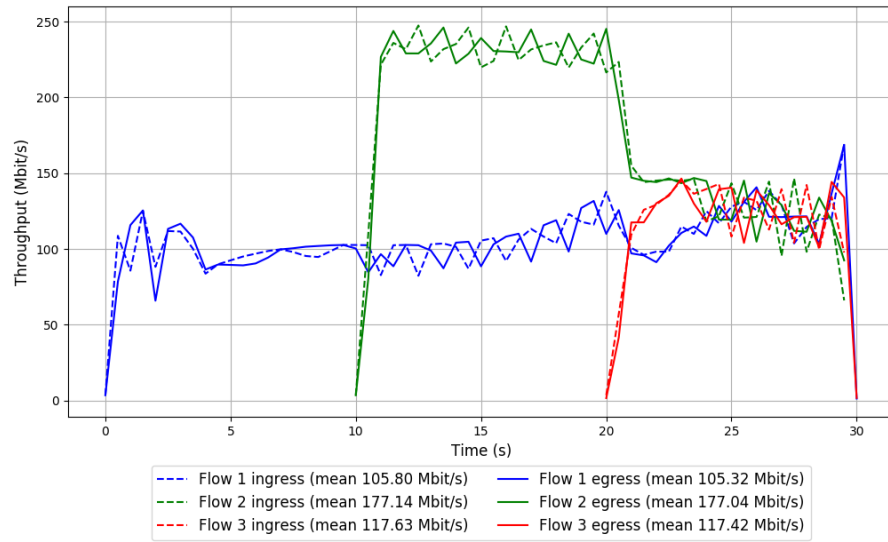
-- Flow 3:

Average throughput: 117.42 Mbit/s

95th percentile per-packet one-way delay: 161.864 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

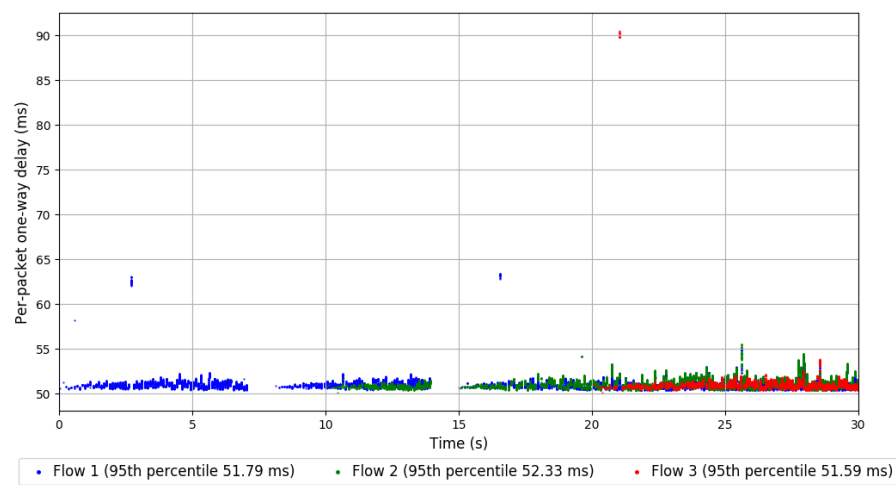
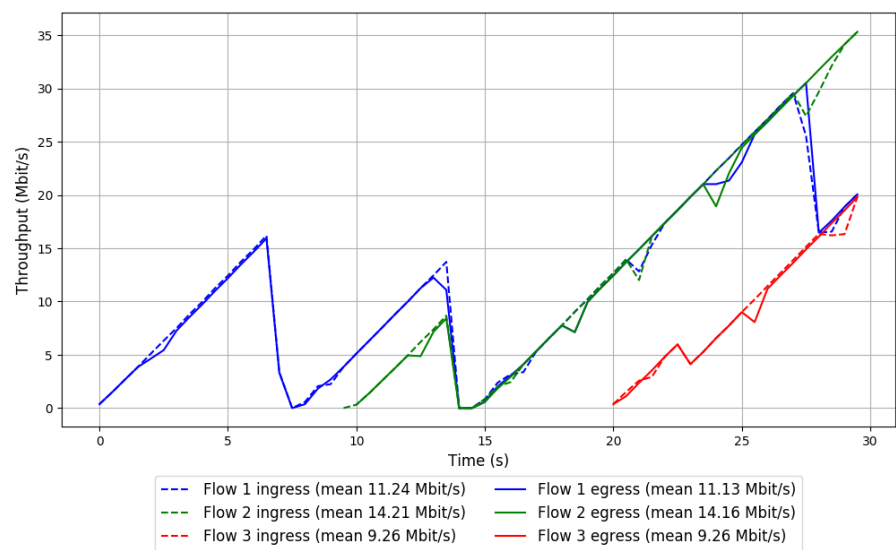


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-31 19:07:03
End at: 2018-01-31 19:07:33

# Below is generated by plot.py at 2018-02-01 00:01:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 52.022 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 51.792 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 52.327 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 51.594 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

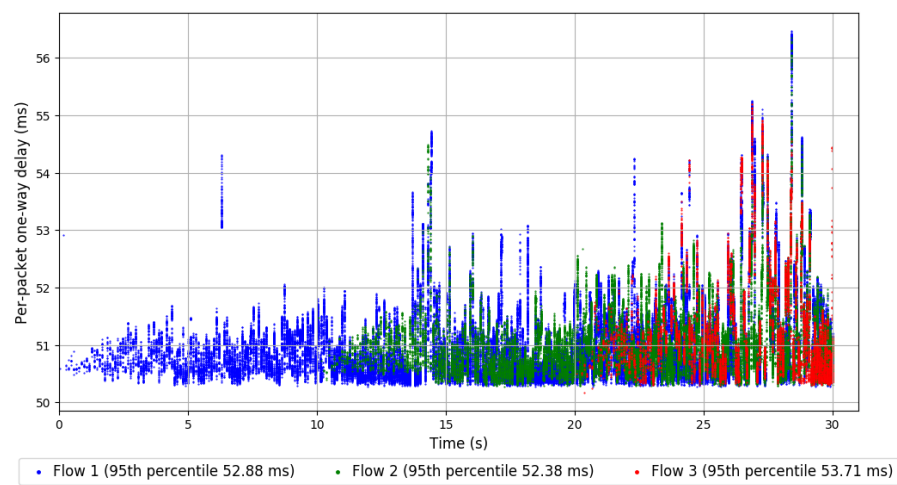
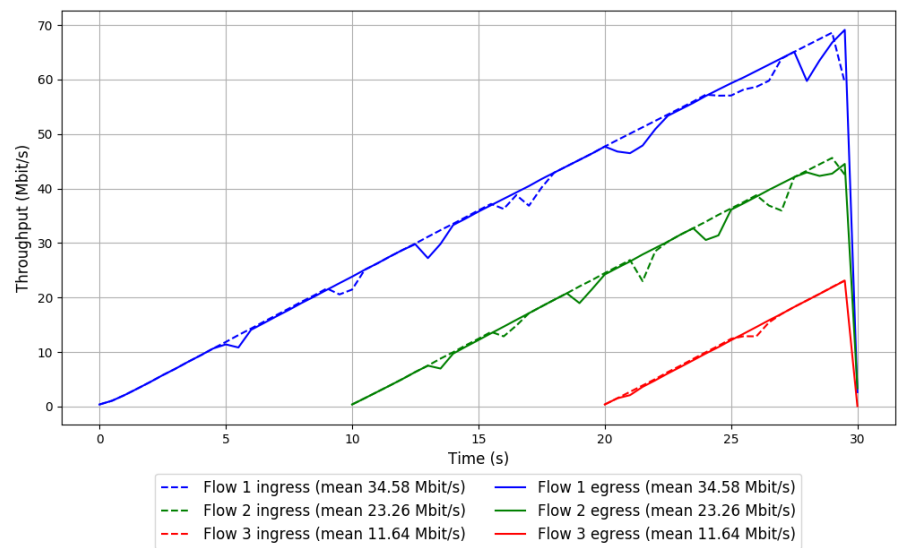


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-31 19:23:12
End at: 2018-01-31 19:23:42

# Below is generated by plot.py at 2018-02-01 00:01:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 52.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 52.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 52.380 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 53.714 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

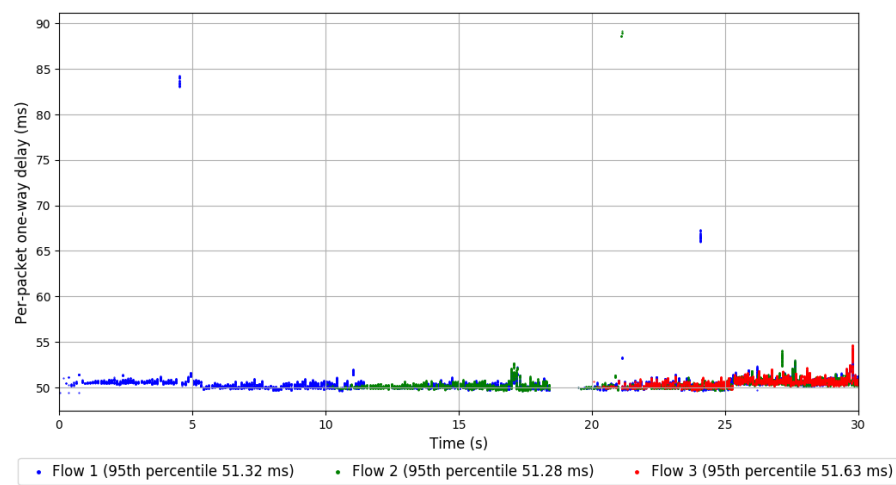
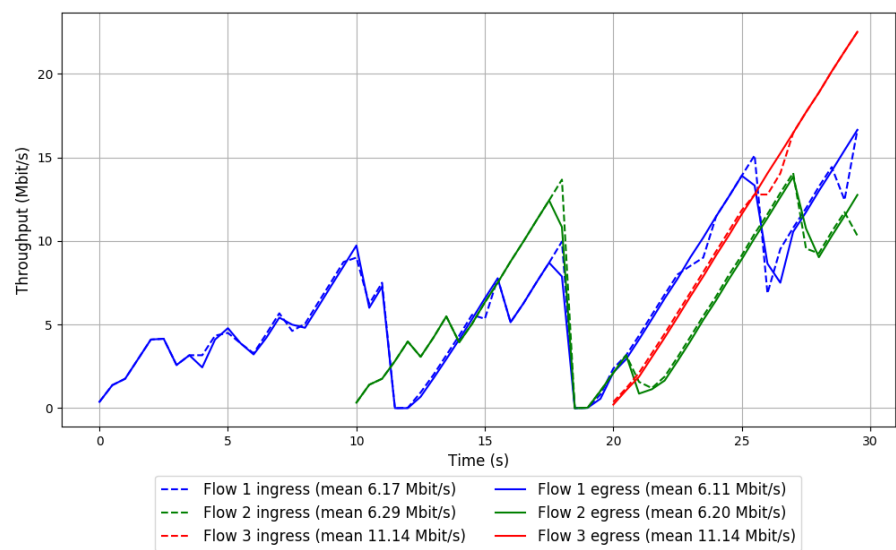


```
Run 3: Statistics of LEDBAT

Start at: 2018-01-31 19:39:32
End at: 2018-01-31 19:40:02

# Below is generated by plot.py at 2018-02-01 00:01:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 51.398 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 51.322 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 51.285 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 51.627 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-31 19:55:32

End at: 2018-01-31 19:56:02

Below is generated by plot.py at 2018-02-01 00:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.27 Mbit/s

95th percentile per-packet one-way delay: 51.323 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 51.265 ms

Loss rate: 1.27%

-- Flow 2:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 51.419 ms

Loss rate: 2.35%

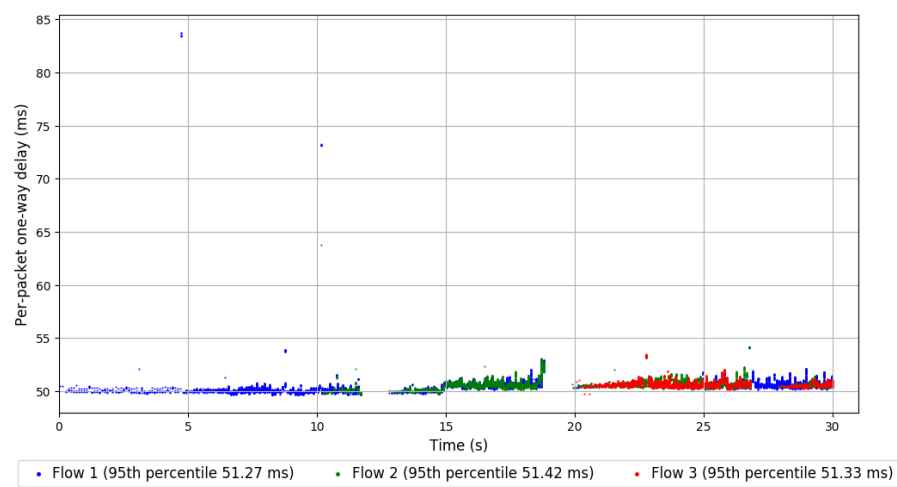
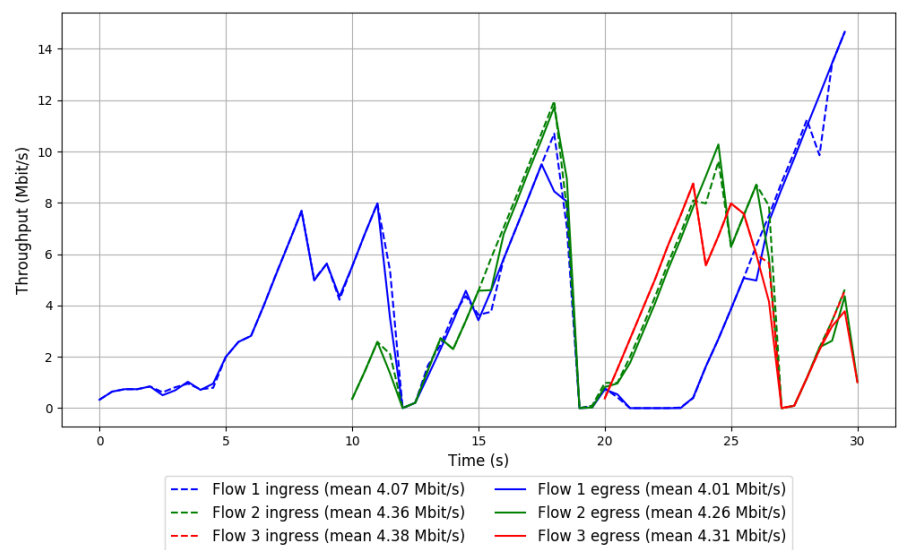
-- Flow 3:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 51.326 ms

Loss rate: 1.72%

Run 4: Report of LEDBAT — Data Link

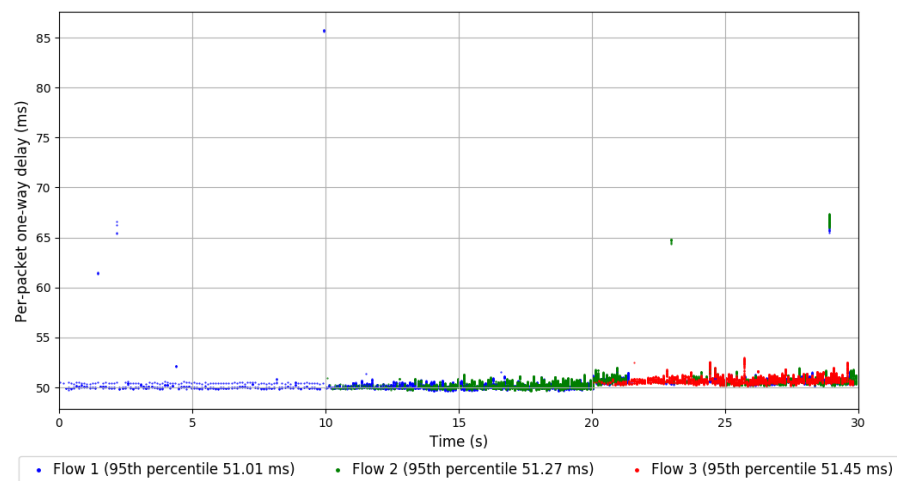
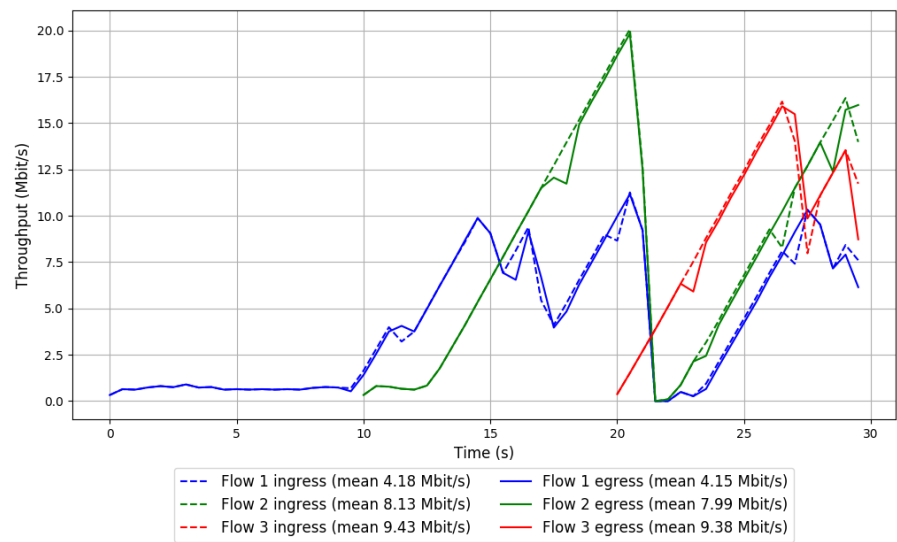


```
Run 5: Statistics of LEDBAT

Start at: 2018-01-31 20:11:27
End at: 2018-01-31 20:11:57

# Below is generated by plot.py at 2018-02-01 00:01:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 51.013 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 51.273 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 51.452 ms
Loss rate: 1.62%
```


Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-31 20:27:16

End at: 2018-01-31 20:27:46

Below is generated by plot.py at 2018-02-01 00:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.56 Mbit/s

95th percentile per-packet one-way delay: 51.450 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 13.17 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 6.34 Mbit/s

95th percentile per-packet one-way delay: 51.277 ms

Loss rate: 2.45%

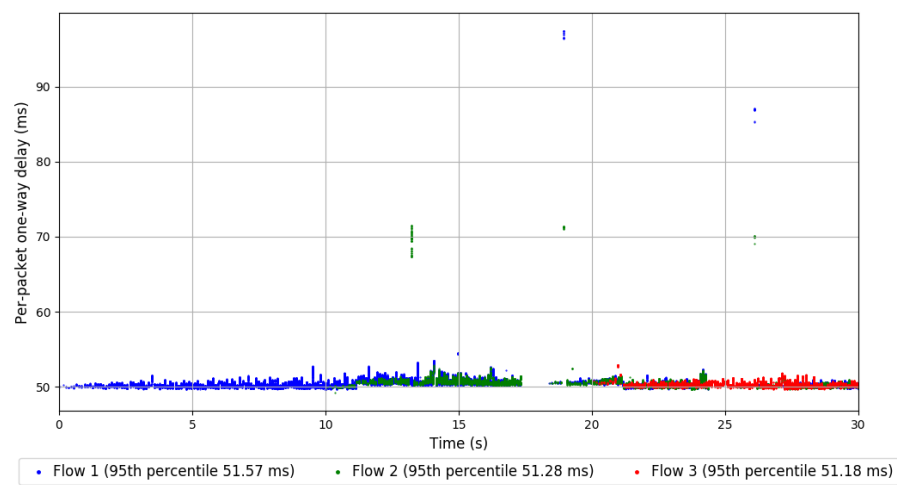
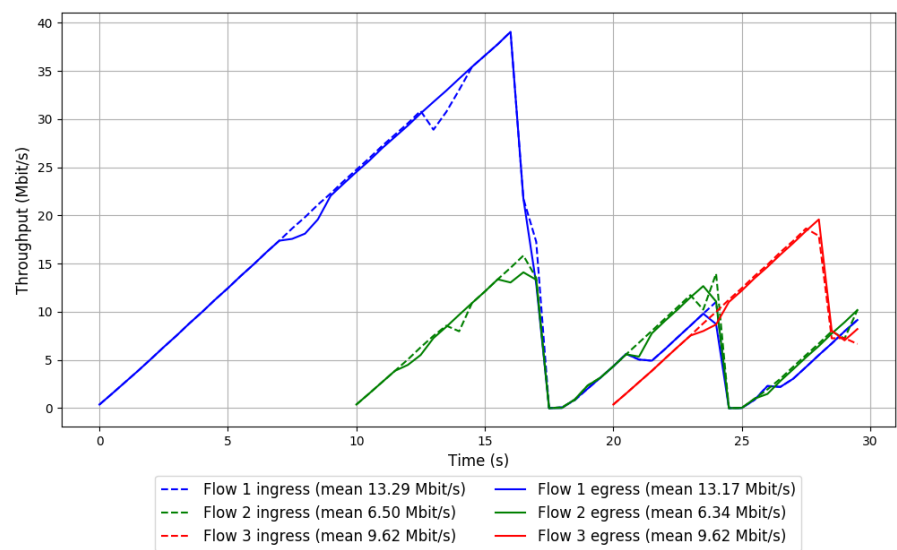
-- Flow 3:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 51.178 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-31 20:42:35

End at: 2018-01-31 20:43:05

Below is generated by plot.py at 2018-02-01 00:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.92 Mbit/s

95th percentile per-packet one-way delay: 51.790 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 8.39 Mbit/s

95th percentile per-packet one-way delay: 52.021 ms

Loss rate: 2.05%

-- Flow 2:

Average throughput: 6.30 Mbit/s

95th percentile per-packet one-way delay: 51.630 ms

Loss rate: 2.09%

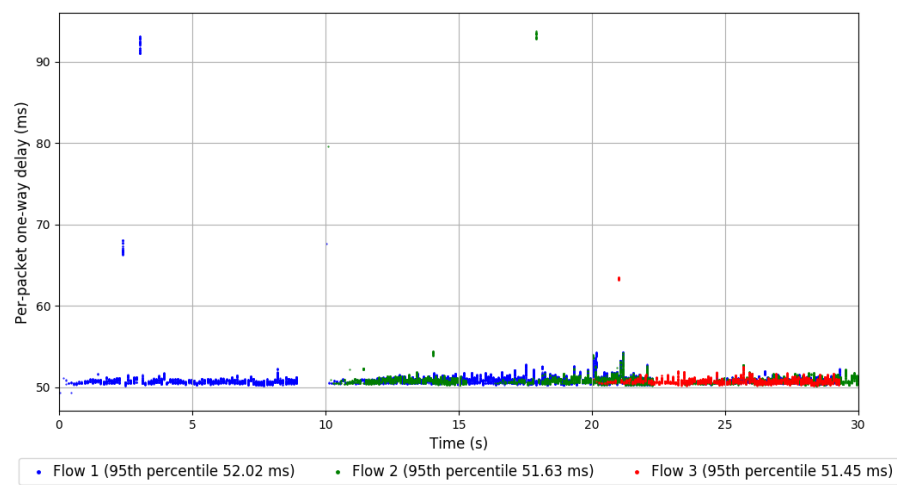
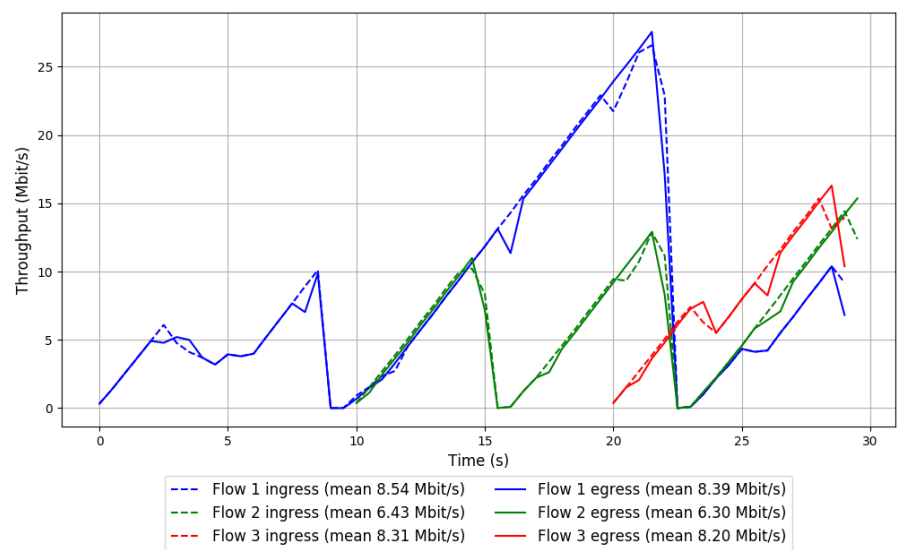
-- Flow 3:

Average throughput: 8.20 Mbit/s

95th percentile per-packet one-way delay: 51.450 ms

Loss rate: 2.31%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-31 20:57:45

End at: 2018-01-31 20:58:15

Below is generated by plot.py at 2018-02-01 00:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.61 Mbit/s

95th percentile per-packet one-way delay: 51.684 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 51.757 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 51.490 ms

Loss rate: 1.36%

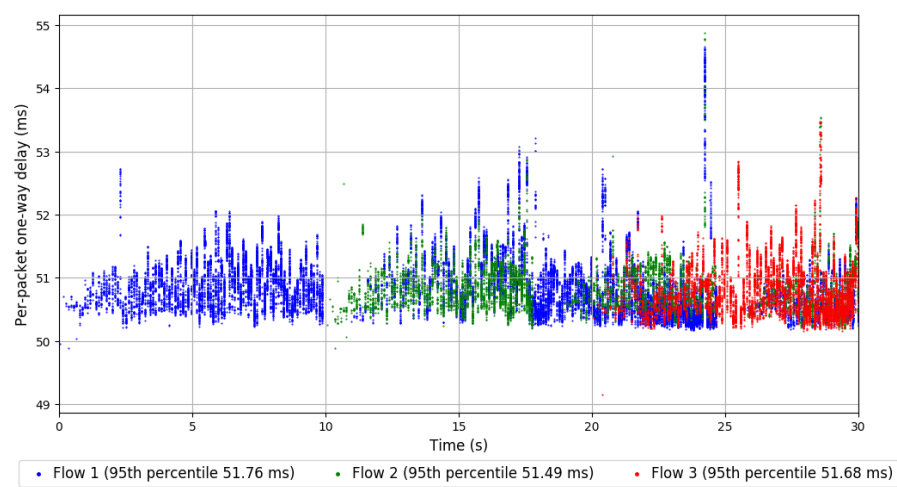
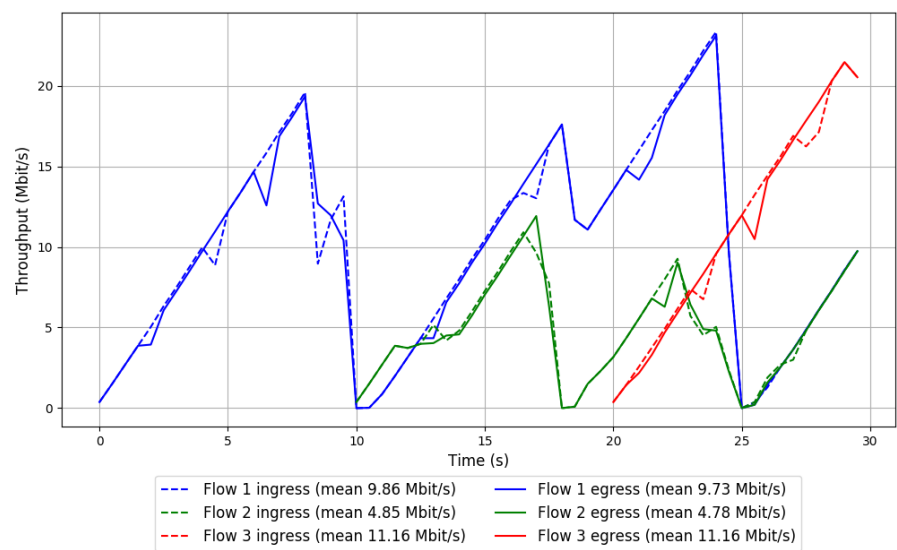
-- Flow 3:

Average throughput: 11.16 Mbit/s

95th percentile per-packet one-way delay: 51.676 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-31 21:12:47

End at: 2018-01-31 21:13:17

Below is generated by plot.py at 2018-02-01 00:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.67 Mbit/s

95th percentile per-packet one-way delay: 51.465 ms

Loss rate: 2.41%

-- Flow 1:

Average throughput: 6.18 Mbit/s

95th percentile per-packet one-way delay: 51.476 ms

Loss rate: 2.11%

-- Flow 2:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 51.538 ms

Loss rate: 2.24%

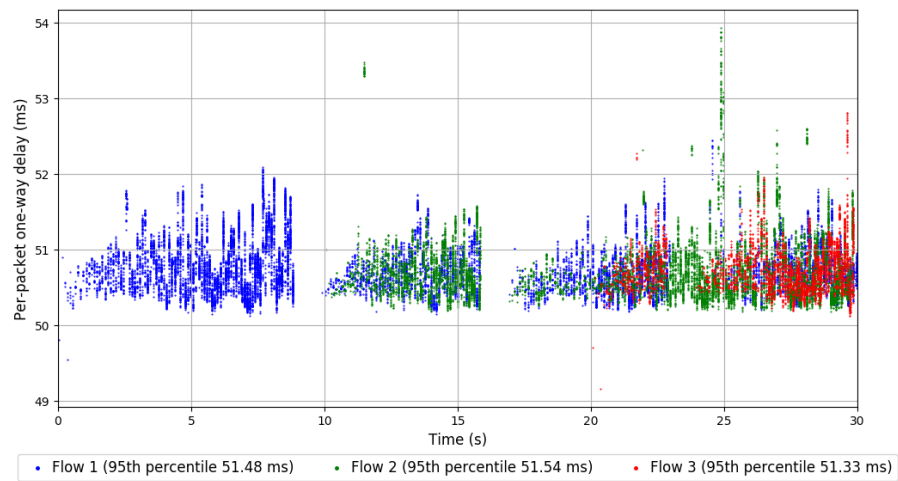
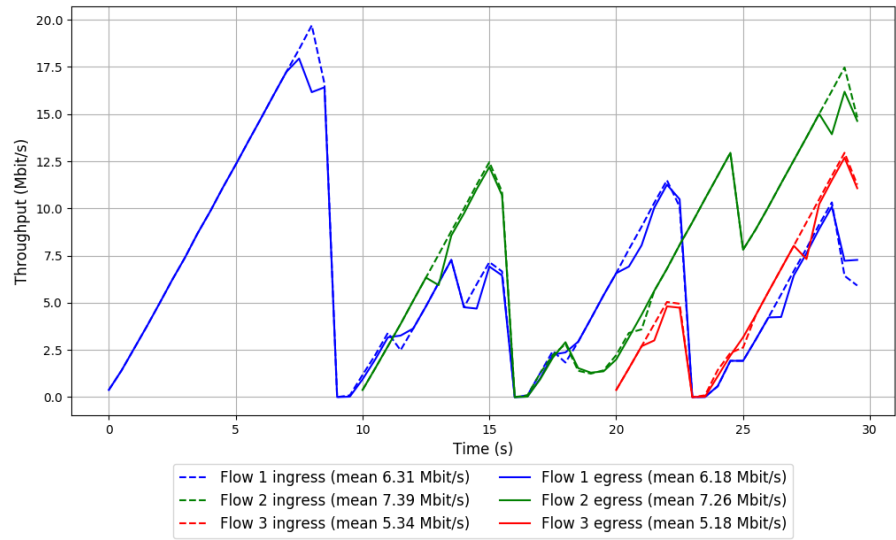
-- Flow 3:

Average throughput: 5.18 Mbit/s

95th percentile per-packet one-way delay: 51.329 ms

Loss rate: 3.98%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-31 21:28:06

End at: 2018-01-31 21:28:36

Below is generated by plot.py at 2018-02-01 00:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 51.652 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 51.684 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 17.86 Mbit/s

95th percentile per-packet one-way delay: 51.604 ms

Loss rate: 0.01%

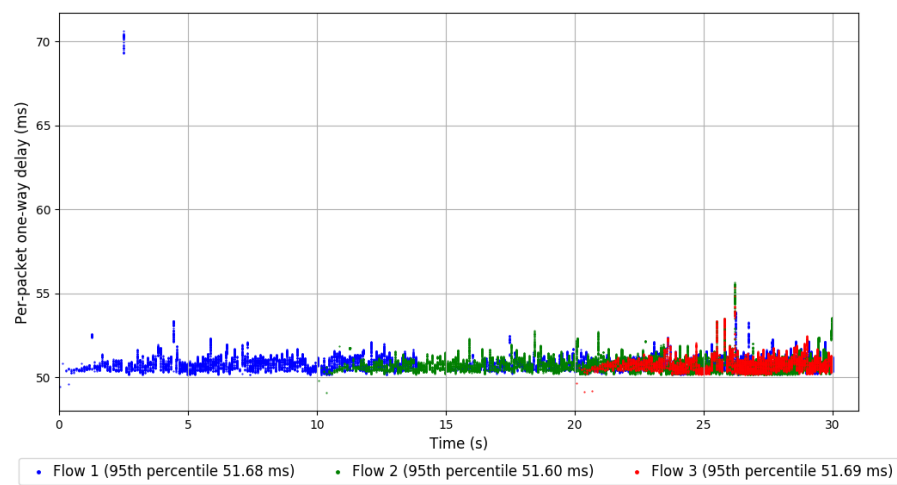
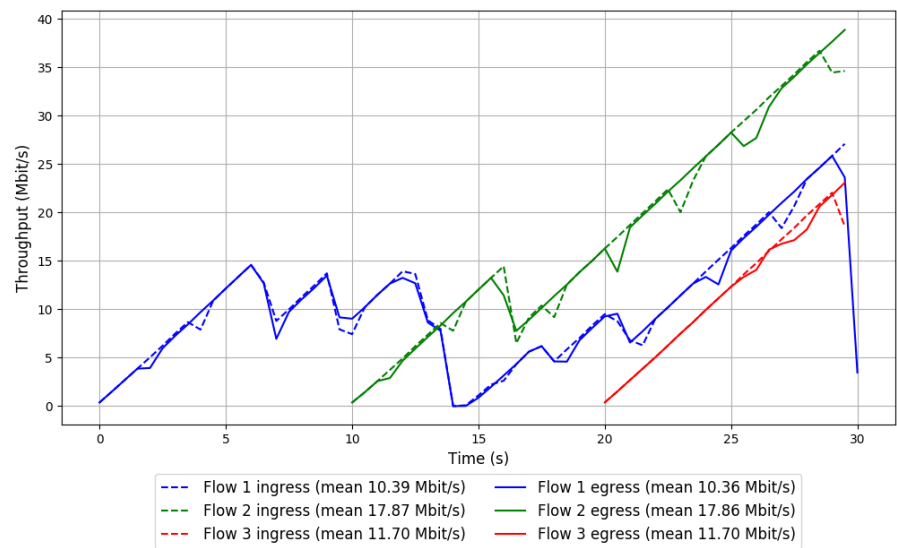
-- Flow 3:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 51.688 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

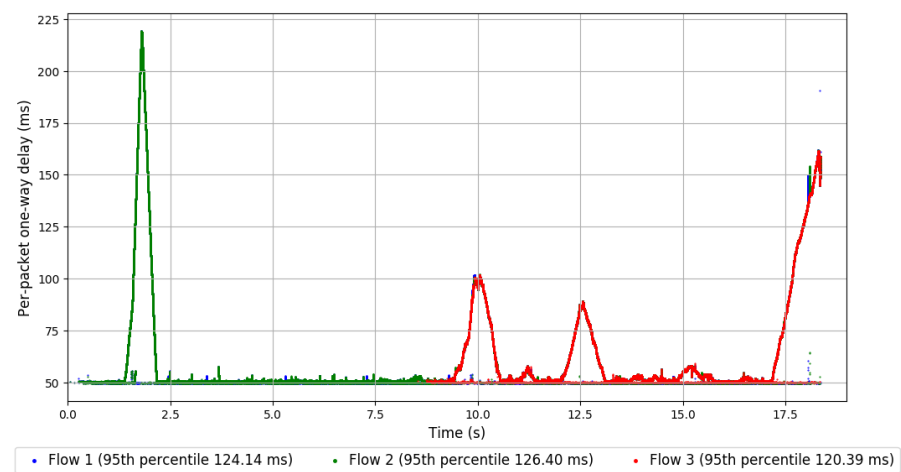
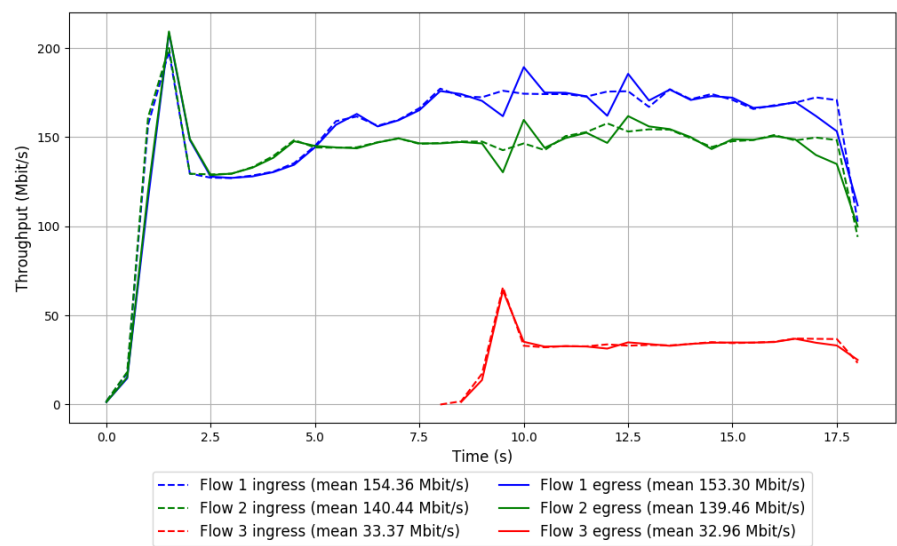


Run 1: Statistics of PCC

Start at: 2018-01-31 19:15:05

End at: 2018-01-31 19:15:35

Run 1: Report of PCC — Data Link

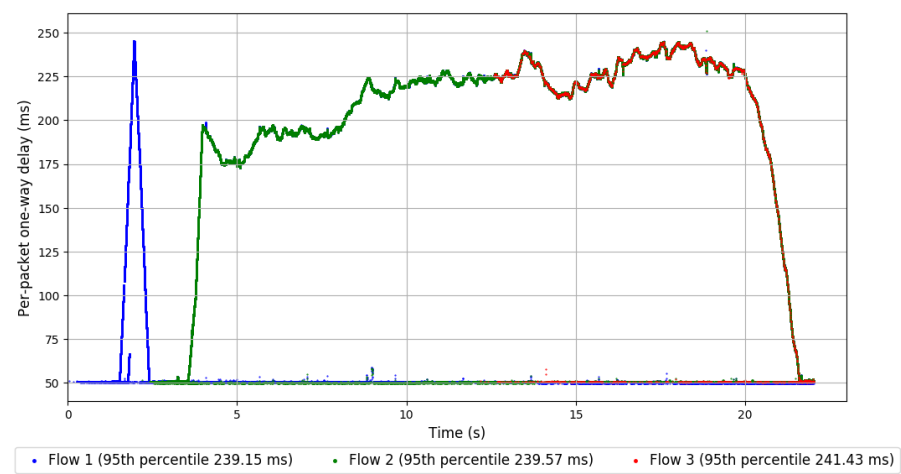
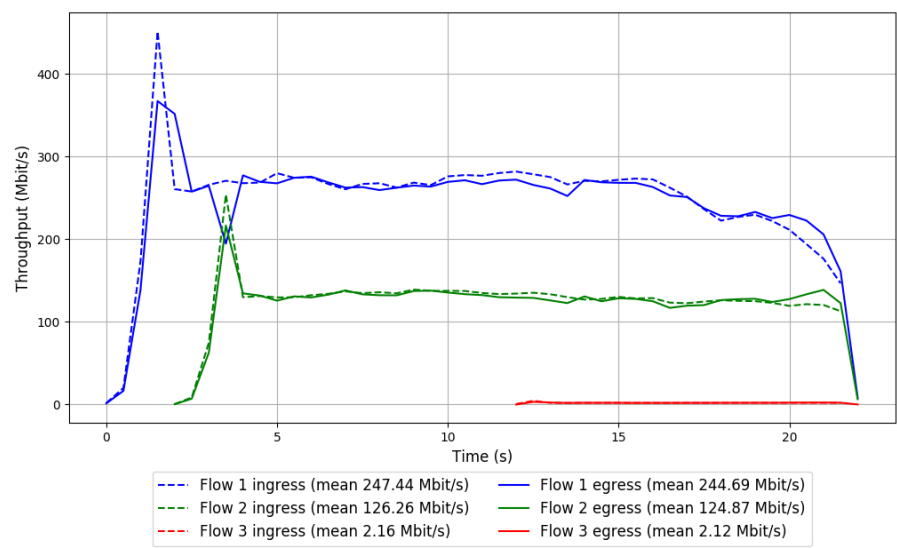


Run 2: Statistics of PCC

Start at: 2018-01-31 19:31:15

End at: 2018-01-31 19:31:45

Run 2: Report of PCC — Data Link

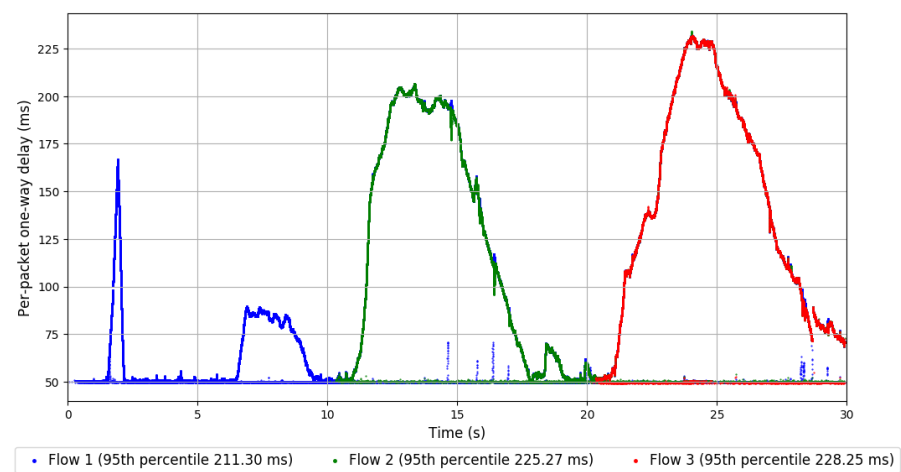
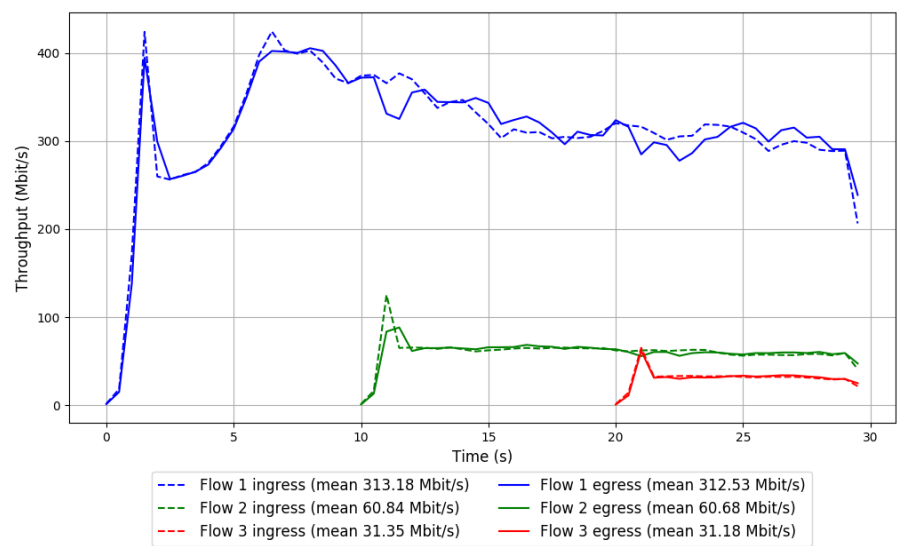


```
Run 3: Statistics of PCC

Start at: 2018-01-31 19:47:27
End at: 2018-01-31 19:47:57

# Below is generated by plot.py at 2018-02-01 00:05:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 363.01 Mbit/s
95th percentile per-packet one-way delay: 215.207 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 312.53 Mbit/s
95th percentile per-packet one-way delay: 211.301 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 60.68 Mbit/s
95th percentile per-packet one-way delay: 225.267 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 228.246 ms
Loss rate: 0.52%
```


Run 3: Report of PCC — Data Link

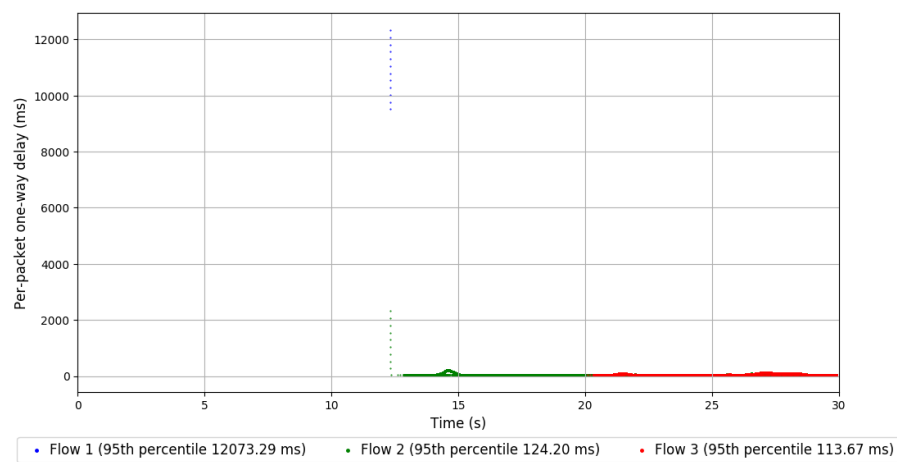
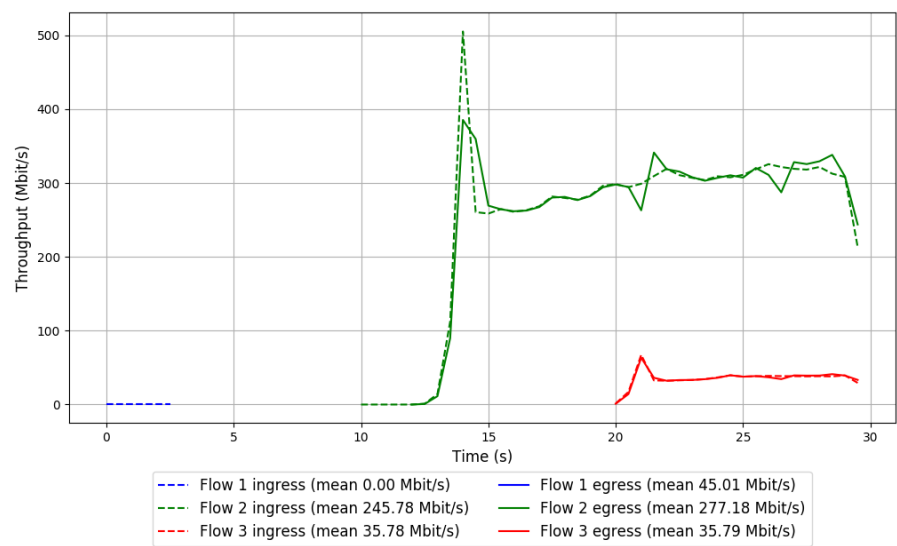


Run 4: Statistics of PCC

Start at: 2018-01-31 20:03:29

End at: 2018-01-31 20:03:59

Run 4: Report of PCC — Data Link

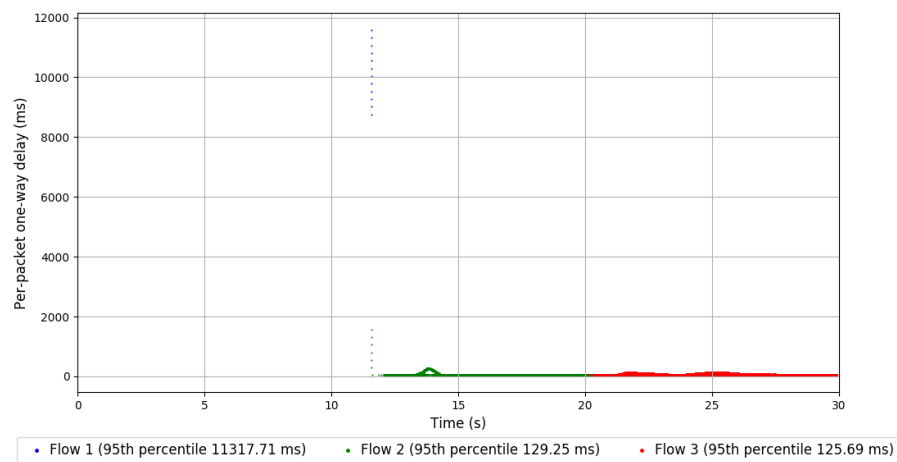
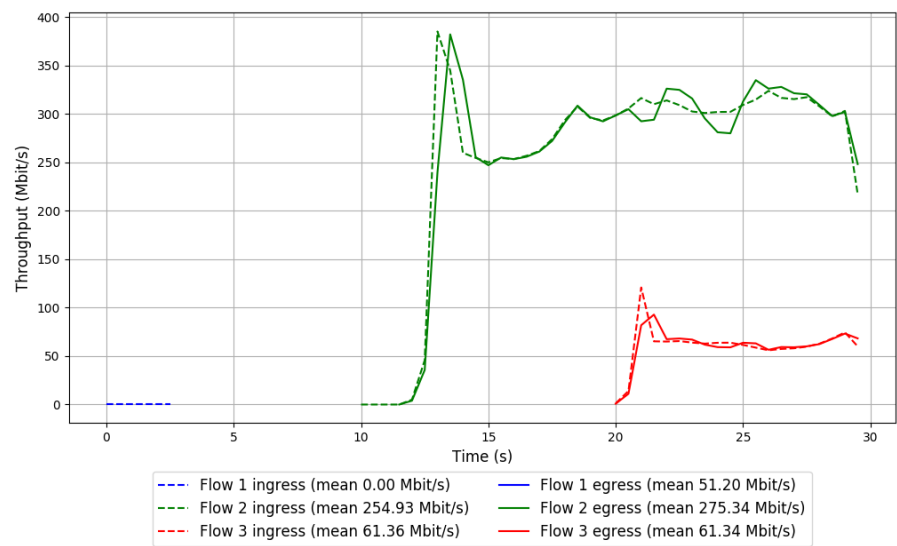


Run 5: Statistics of PCC

Start at: 2018-01-31 20:19:22

End at: 2018-01-31 20:19:52

Run 5: Report of PCC — Data Link

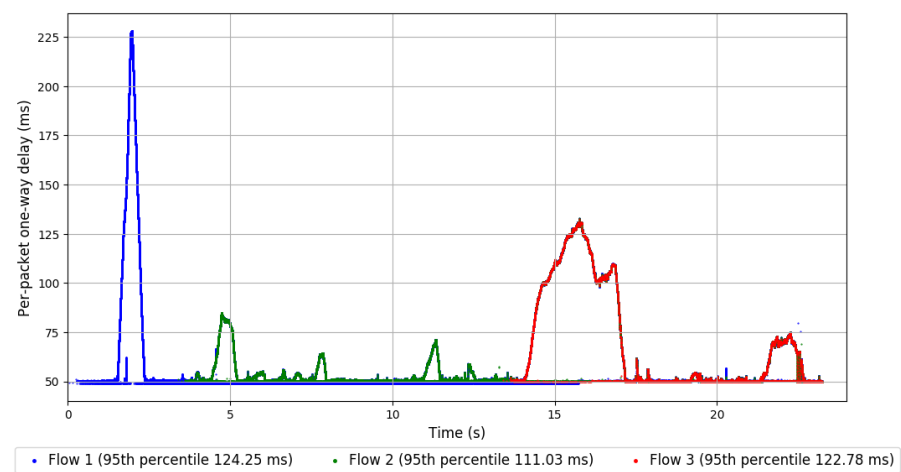
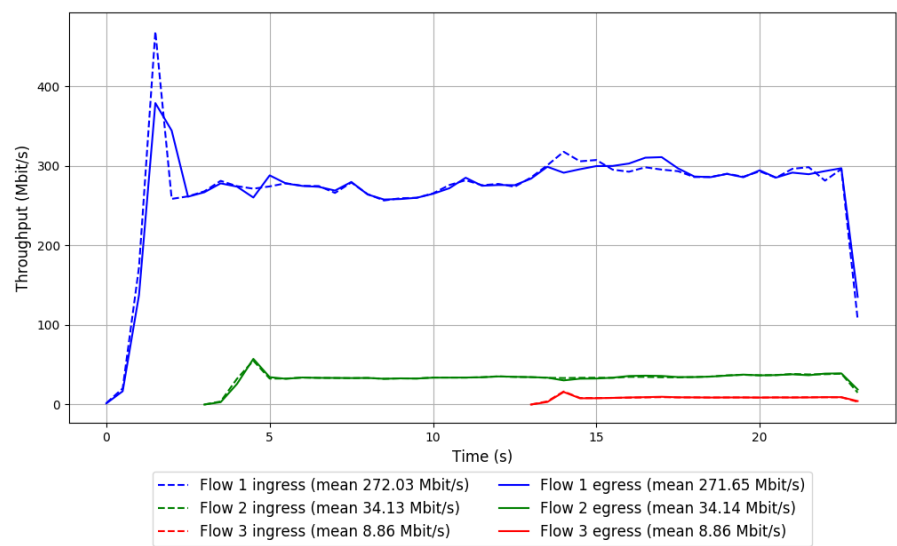


Run 6: Statistics of PCC

Start at: 2018-01-31 20:35:24

End at: 2018-01-31 20:35:54

Run 6: Report of PCC — Data Link

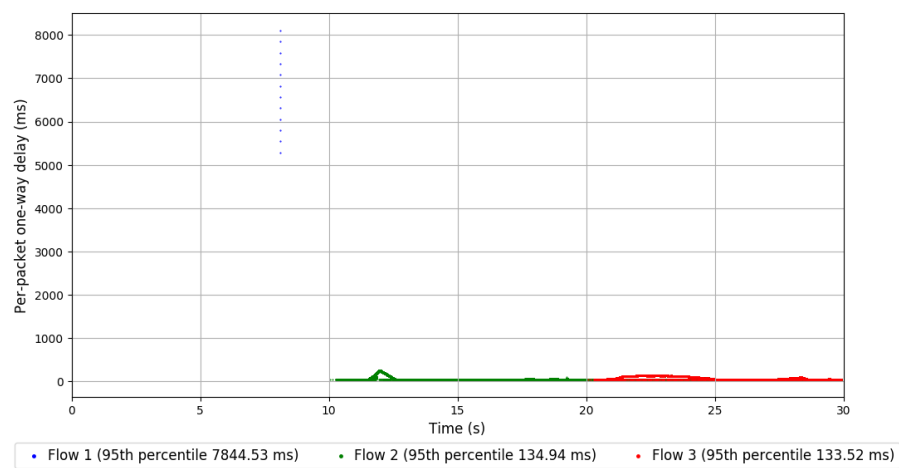
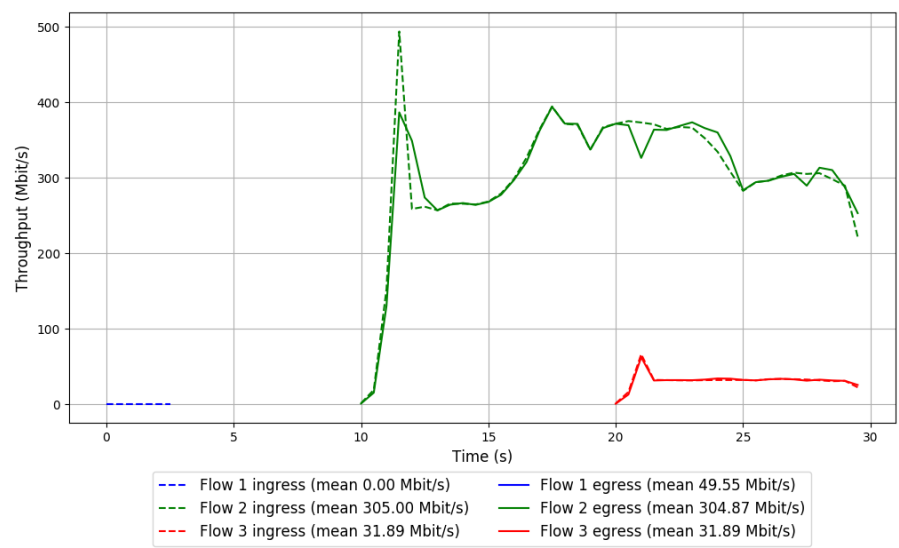


Run 7: Statistics of PCC

Start at: 2018-01-31 20:50:31

End at: 2018-01-31 20:51:01

Run 7: Report of PCC — Data Link

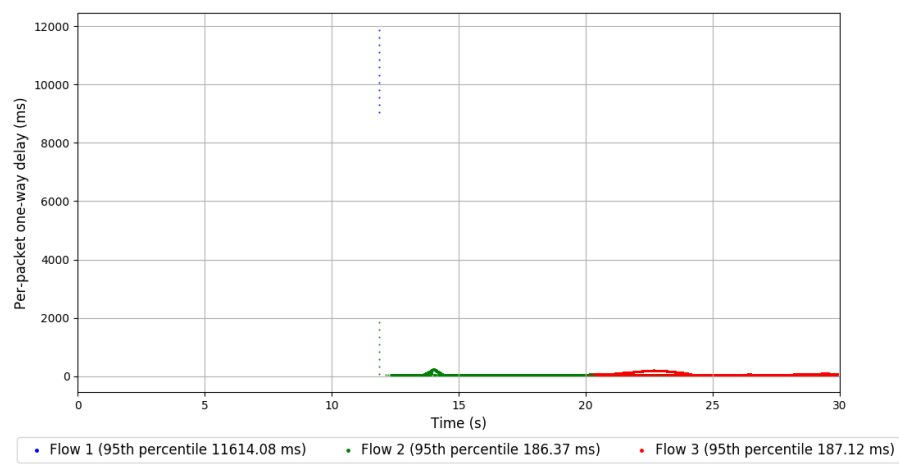
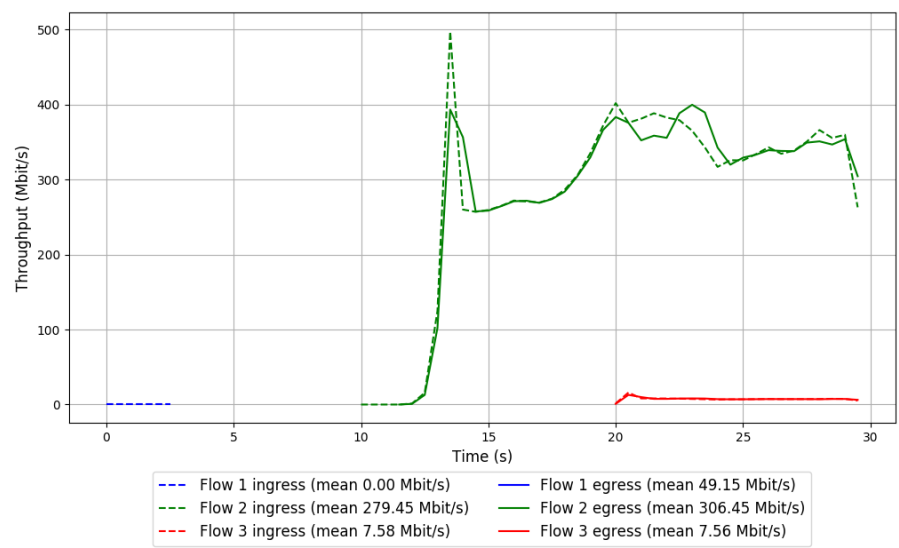


Run 8: Statistics of PCC

Start at: 2018-01-31 21:05:34

End at: 2018-01-31 21:06:04

Run 8: Report of PCC — Data Link

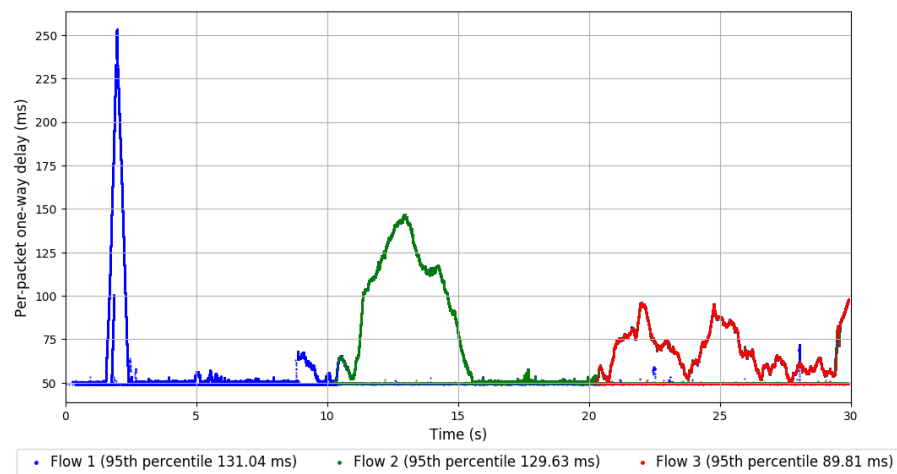
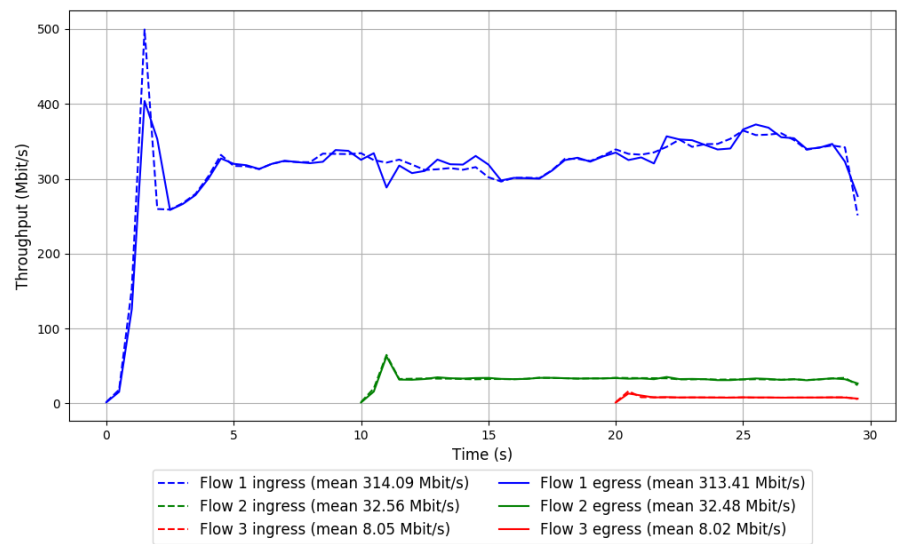


```
Run 9: Statistics of PCC

Start at: 2018-01-31 21:20:47
End at: 2018-01-31 21:21:17

# Below is generated by plot.py at 2018-02-01 00:09:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.62 Mbit/s
95th percentile per-packet one-way delay: 130.531 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 313.41 Mbit/s
95th percentile per-packet one-way delay: 131.040 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 129.632 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 89.805 ms
Loss rate: 0.44%
```

Run 9: Report of PCC — Data Link

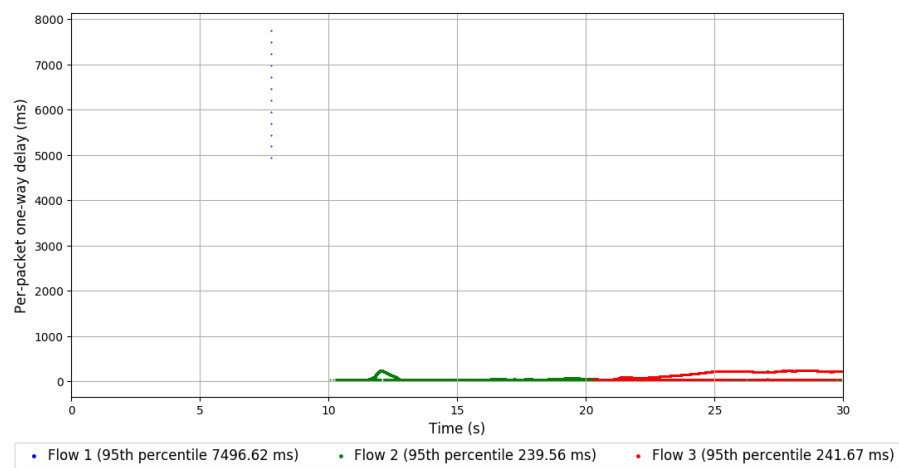
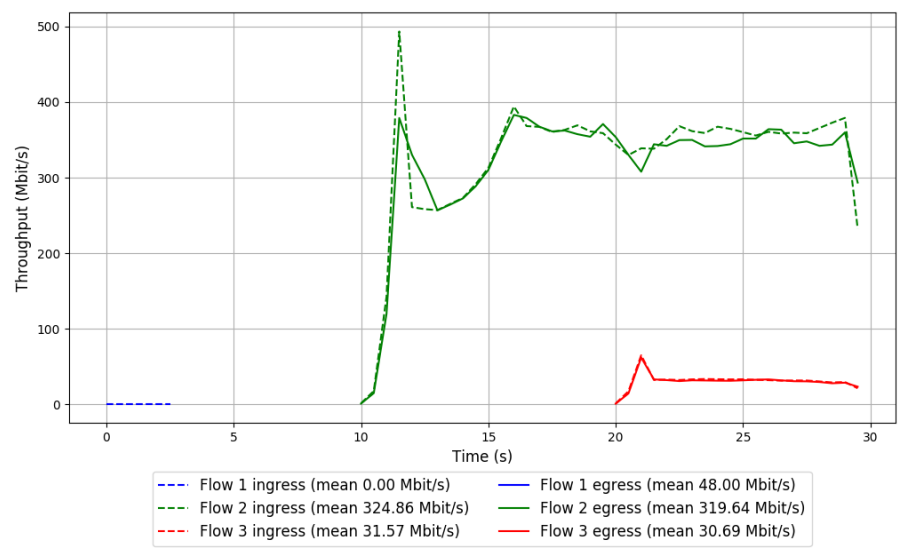


Run 10: Statistics of PCC

Start at: 2018-01-31 21:36:05

End at: 2018-01-31 21:36:35

Run 10: Report of PCC — Data Link

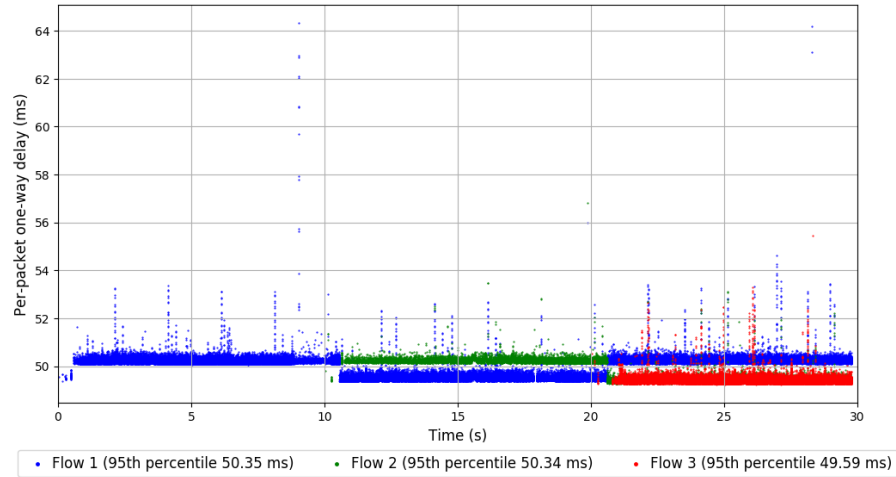
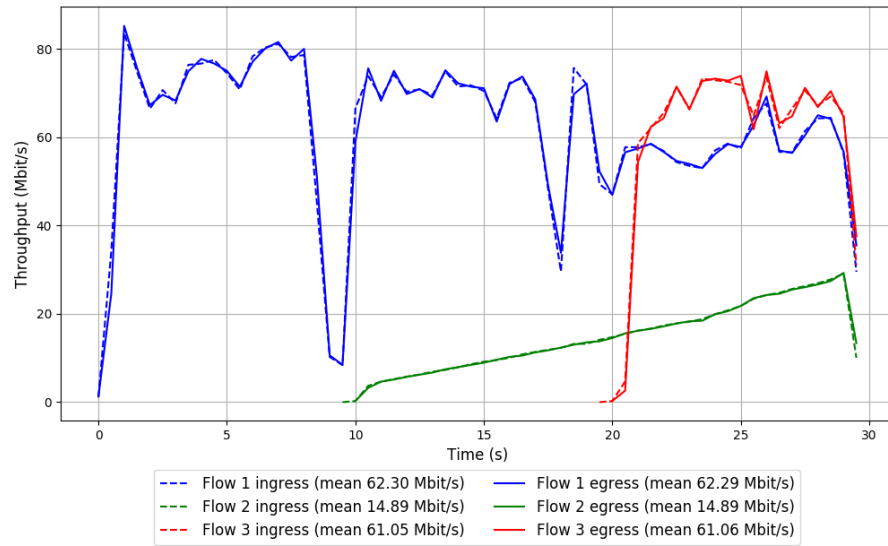


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-31 19:10:46
End at: 2018-01-31 19:11:16

# Below is generated by plot.py at 2018-02-01 00:09:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 50.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.29 Mbit/s
95th percentile per-packet one-way delay: 50.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.89 Mbit/s
95th percentile per-packet one-way delay: 50.336 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 49.590 ms
Loss rate: 0.00%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-31 19:26:54

End at: 2018-01-31 19:27:24

Below is generated by plot.py at 2018-02-01 00:09:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 121.95 Mbit/s

95th percentile per-packet one-way delay: 50.513 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.34 Mbit/s

95th percentile per-packet one-way delay: 50.185 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 50.560 ms

Loss rate: 0.00%

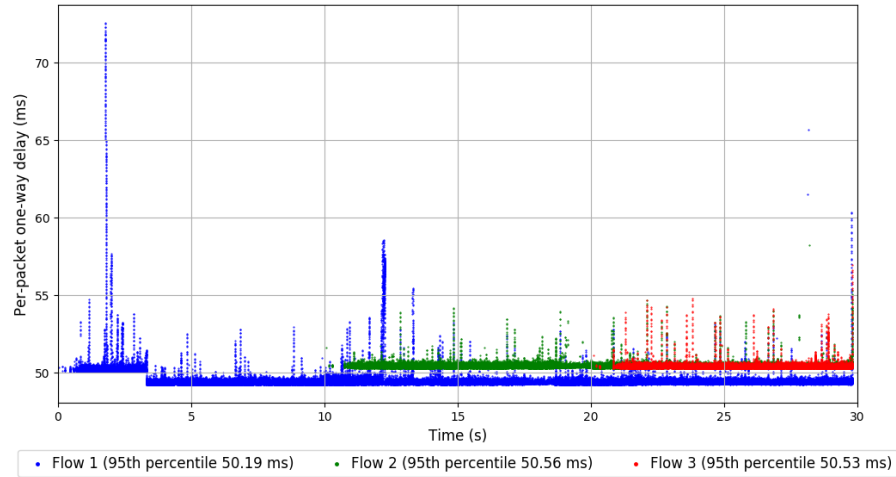
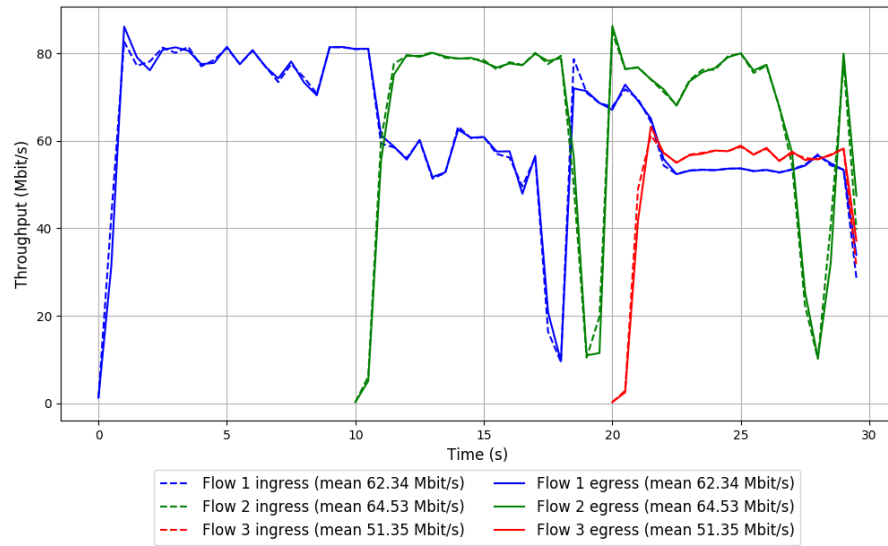
-- Flow 3:

Average throughput: 51.35 Mbit/s

95th percentile per-packet one-way delay: 50.533 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-31 19:43:05

End at: 2018-01-31 19:43:35

Below is generated by plot.py at 2018-02-01 00:09:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.51 Mbit/s

95th percentile per-packet one-way delay: 50.495 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 49.568 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.40 Mbit/s

95th percentile per-packet one-way delay: 50.664 ms

Loss rate: 0.00%

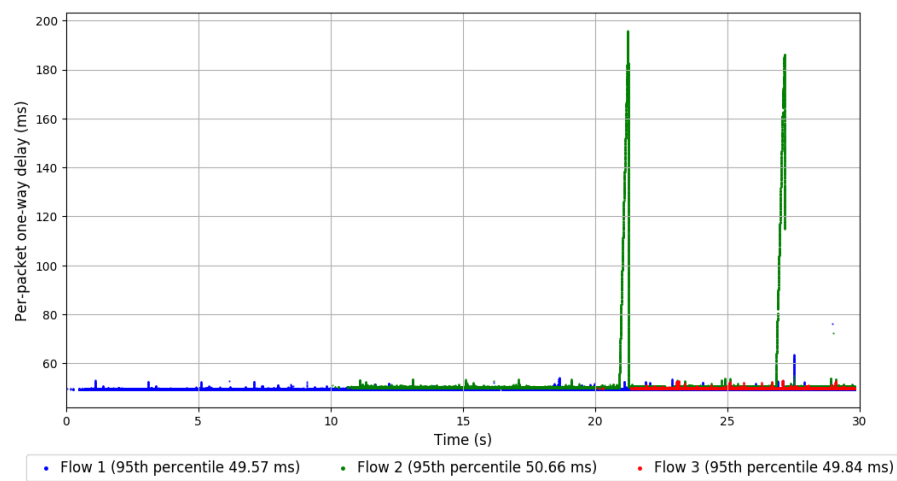
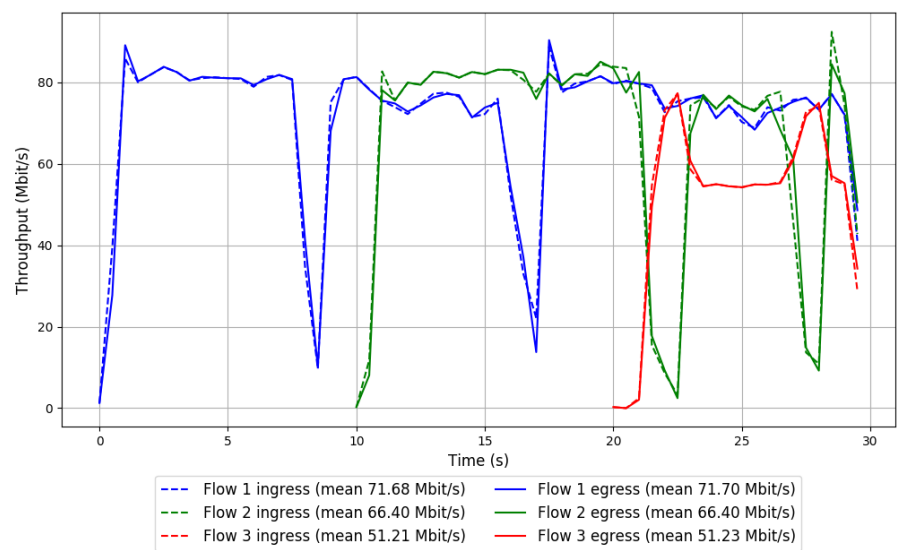
-- Flow 3:

Average throughput: 51.23 Mbit/s

95th percentile per-packet one-way delay: 49.845 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-31 19:59:10

End at: 2018-01-31 19:59:40

Below is generated by plot.py at 2018-02-01 00:09:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 129.91 Mbit/s

95th percentile per-packet one-way delay: 50.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.87 Mbit/s

95th percentile per-packet one-way delay: 50.429 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.50 Mbit/s

95th percentile per-packet one-way delay: 49.873 ms

Loss rate: 0.00%

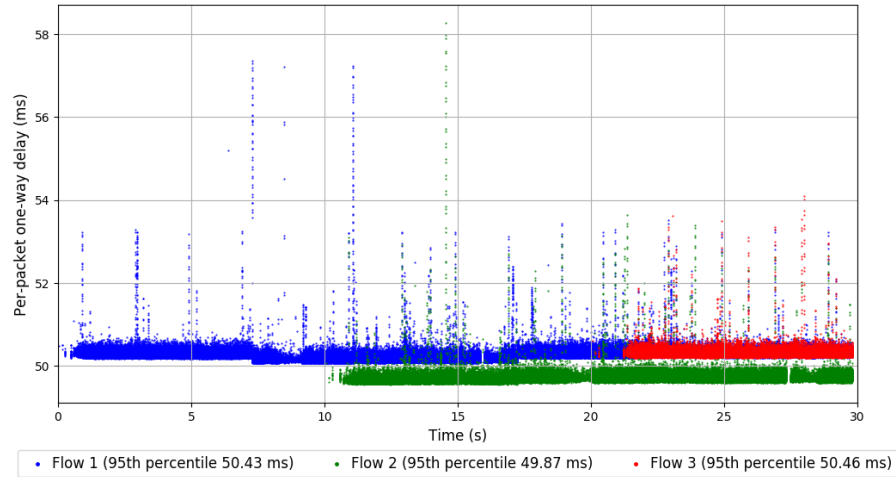
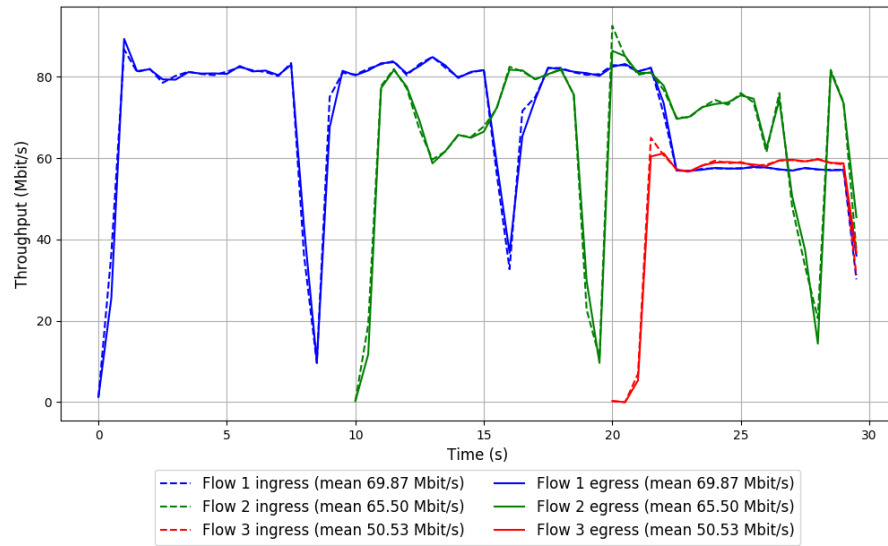
-- Flow 3:

Average throughput: 50.53 Mbit/s

95th percentile per-packet one-way delay: 50.459 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-01-31 20:15:02

End at: 2018-01-31 20:15:32

Below is generated by plot.py at 2018-02-01 00:09:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.26 Mbit/s

95th percentile per-packet one-way delay: 50.265 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 50.278 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.60 Mbit/s

95th percentile per-packet one-way delay: 48.431 ms

Loss rate: 0.00%

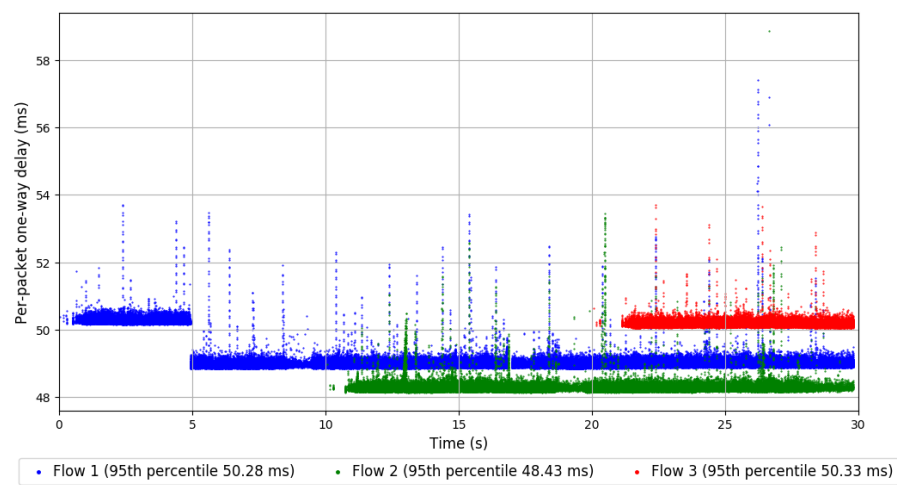
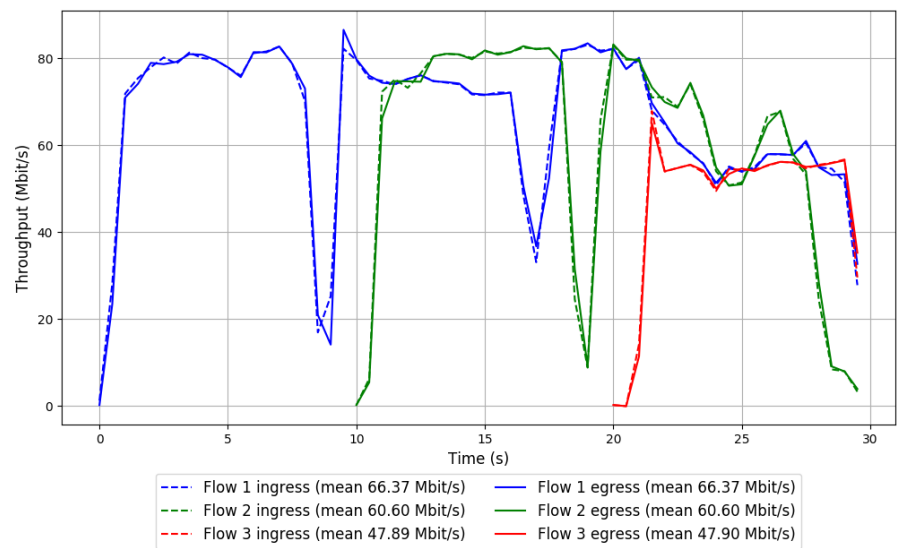
-- Flow 3:

Average throughput: 47.90 Mbit/s

95th percentile per-packet one-way delay: 50.333 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-31 20:31:03

End at: 2018-01-31 20:31:33

Below is generated by plot.py at 2018-02-01 00:09:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.25 Mbit/s

95th percentile per-packet one-way delay: 50.396 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.80 Mbit/s

95th percentile per-packet one-way delay: 50.344 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.36 Mbit/s

95th percentile per-packet one-way delay: 50.418 ms

Loss rate: 0.00%

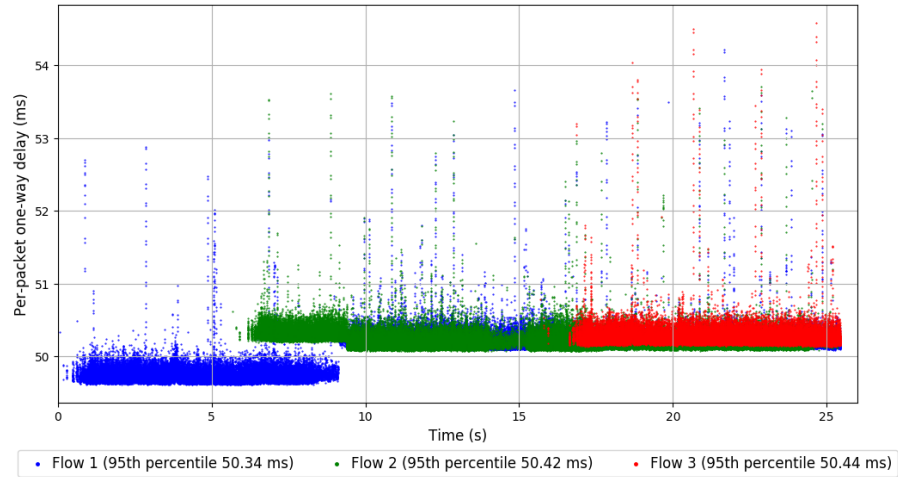
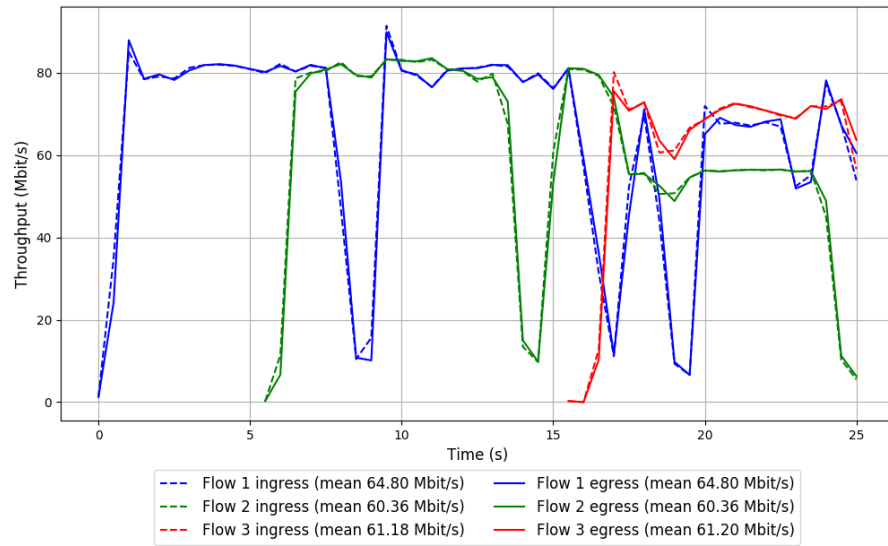
-- Flow 3:

Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 50.439 ms

Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-01-31 20:46:12

End at: 2018-01-31 20:46:42

Below is generated by plot.py at 2018-02-01 00:09:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.98 Mbit/s

95th percentile per-packet one-way delay: 50.500 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 49.934 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.81 Mbit/s

95th percentile per-packet one-way delay: 50.572 ms

Loss rate: 0.00%

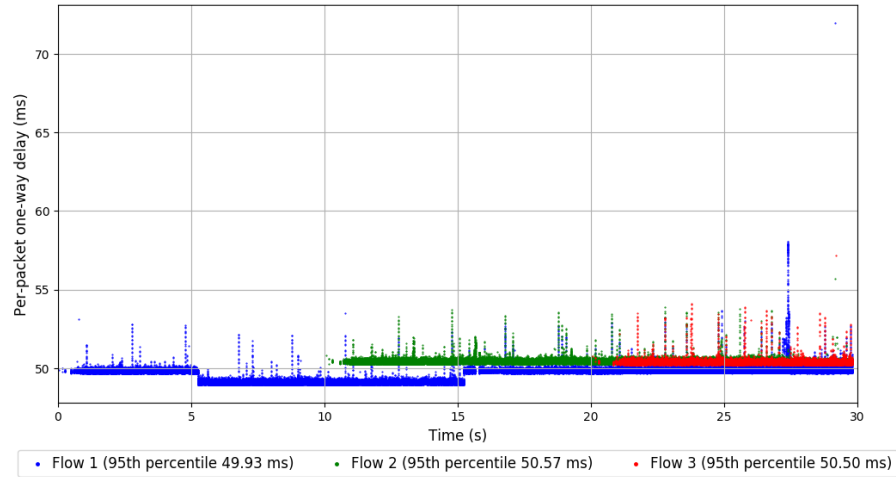
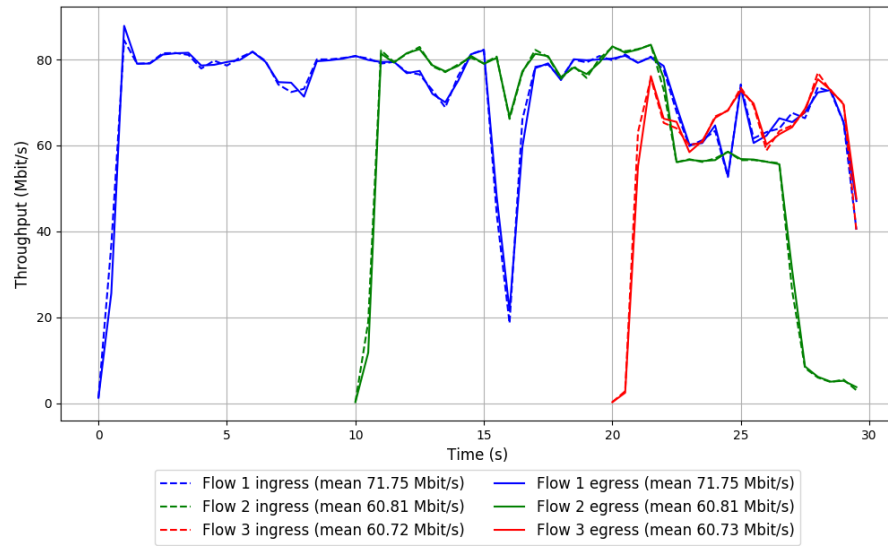
-- Flow 3:

Average throughput: 60.73 Mbit/s

95th percentile per-packet one-way delay: 50.503 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-31 21:01:16

End at: 2018-01-31 21:01:46

Below is generated by plot.py at 2018-02-01 00:10:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.16 Mbit/s

95th percentile per-packet one-way delay: 50.296 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 49.508 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 50.381 ms

Loss rate: 0.00%

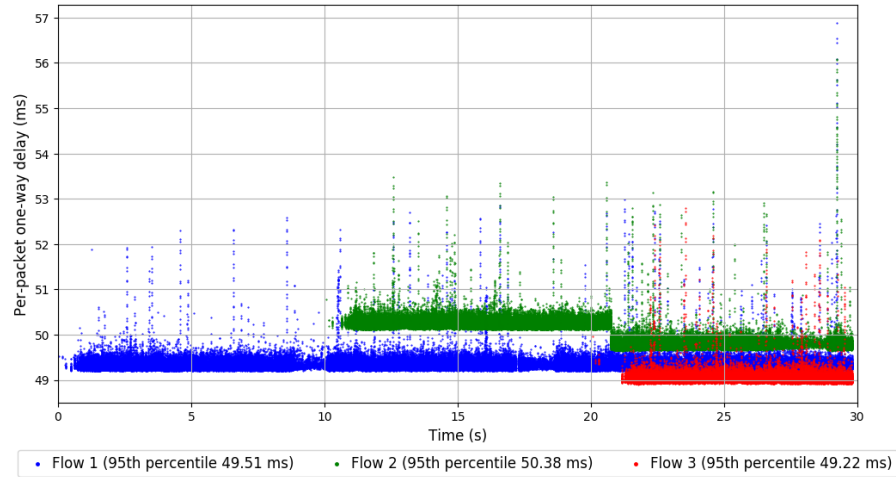
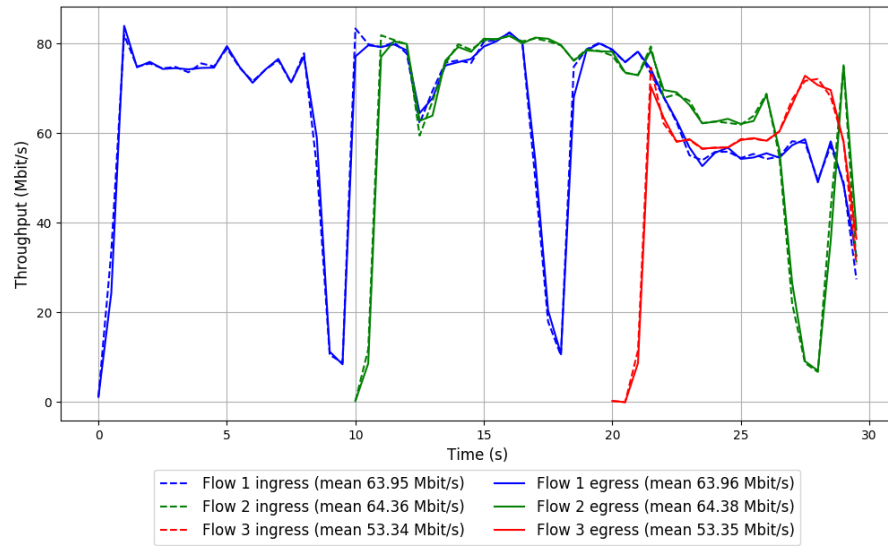
-- Flow 3:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 49.219 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-31 21:16:28

End at: 2018-01-31 21:16:58

Below is generated by plot.py at 2018-02-01 00:10:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.88 Mbit/s

95th percentile per-packet one-way delay: 50.449 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 50.307 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.68 Mbit/s

95th percentile per-packet one-way delay: 50.543 ms

Loss rate: 0.00%

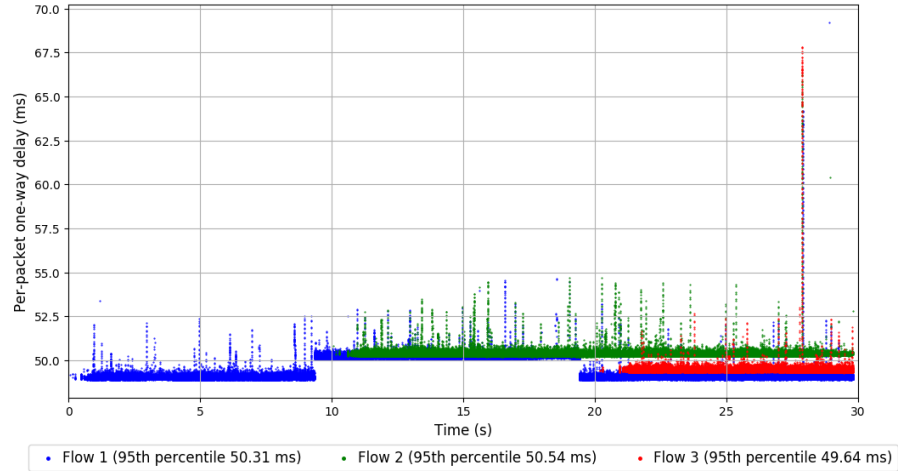
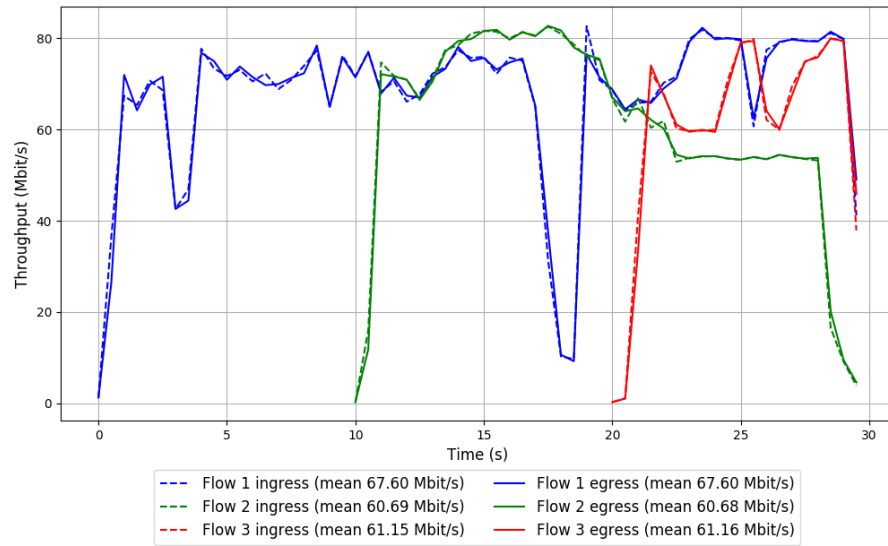
-- Flow 3:

Average throughput: 61.16 Mbit/s

95th percentile per-packet one-way delay: 49.643 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

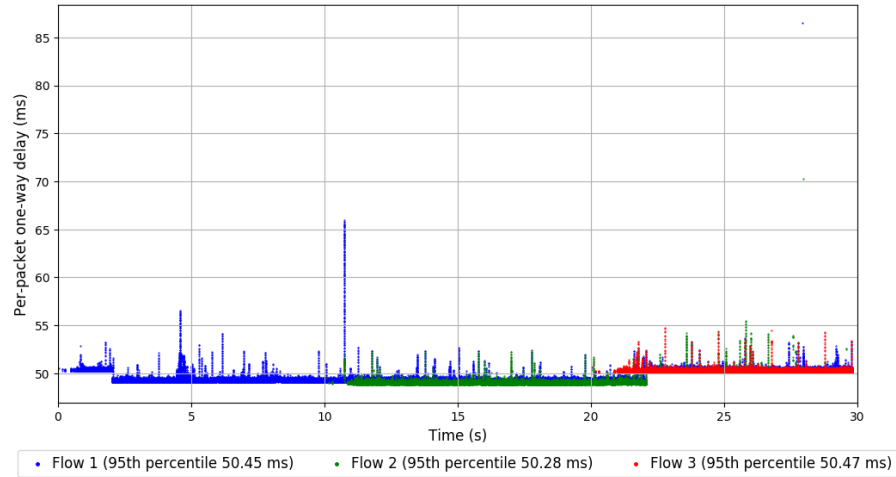
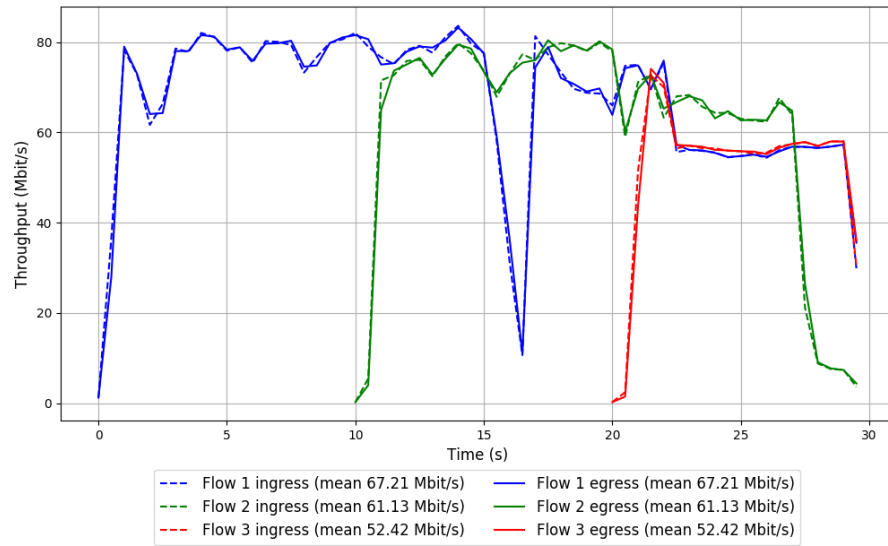


```
Run 10: Statistics of QUIC Cubic

Start at: 2018-01-31 21:31:45
End at: 2018-01-31 21:32:15

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 124.93 Mbit/s
95th percentile per-packet one-way delay: 50.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 50.451 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 50.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 50.470 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

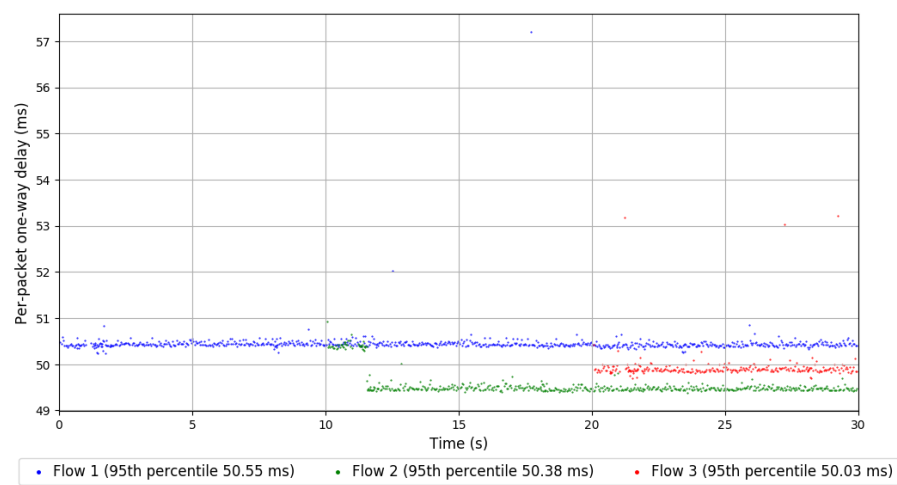
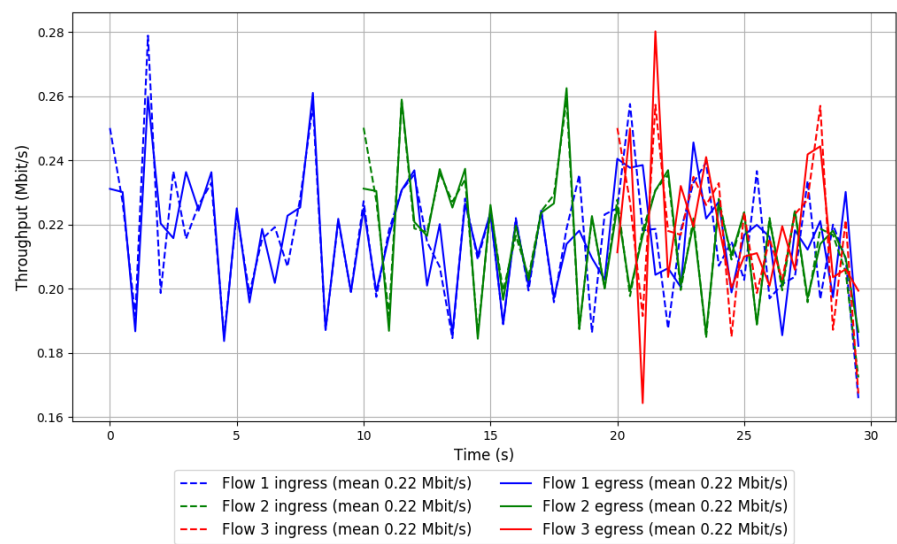


```
Run 1: Statistics of SCReAM

Start at: 2018-01-31 19:14:25
End at: 2018-01-31 19:14:55

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.385 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.030 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

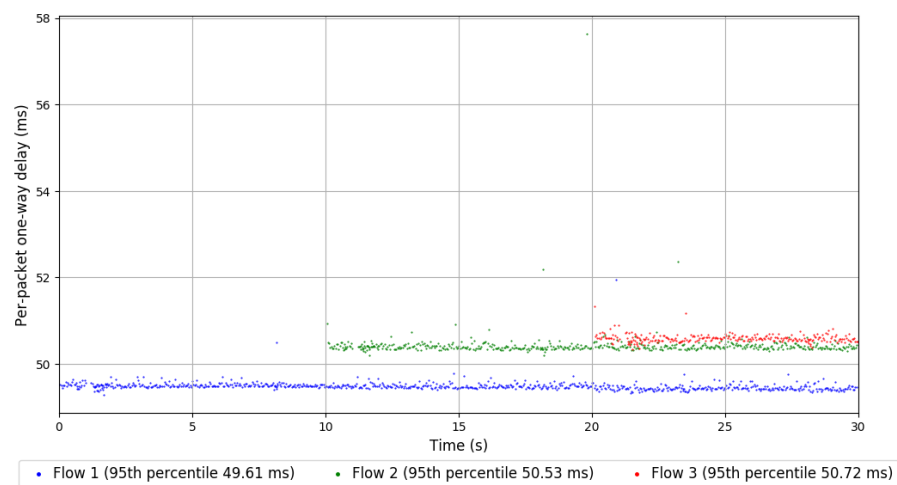
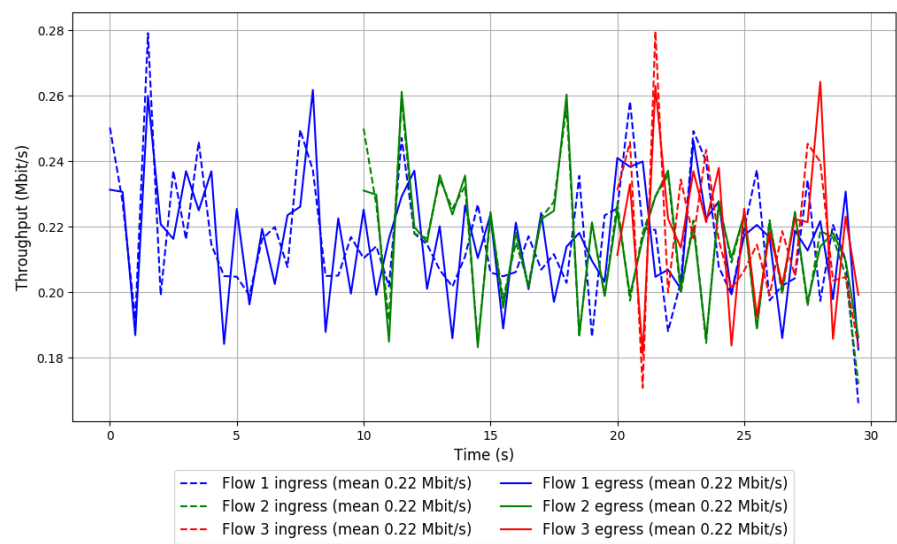


```
Run 2: Statistics of SCReAM

Start at: 2018-01-31 19:30:36
End at: 2018-01-31 19:31:06

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.606 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.723 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

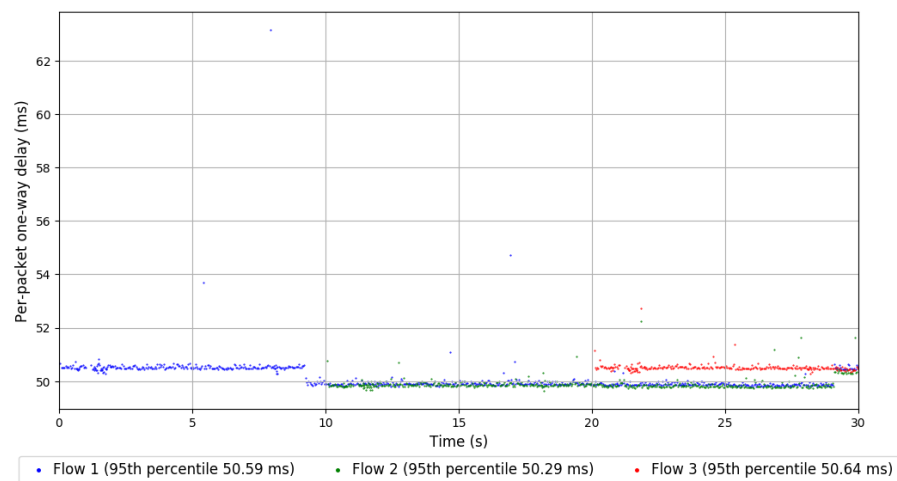
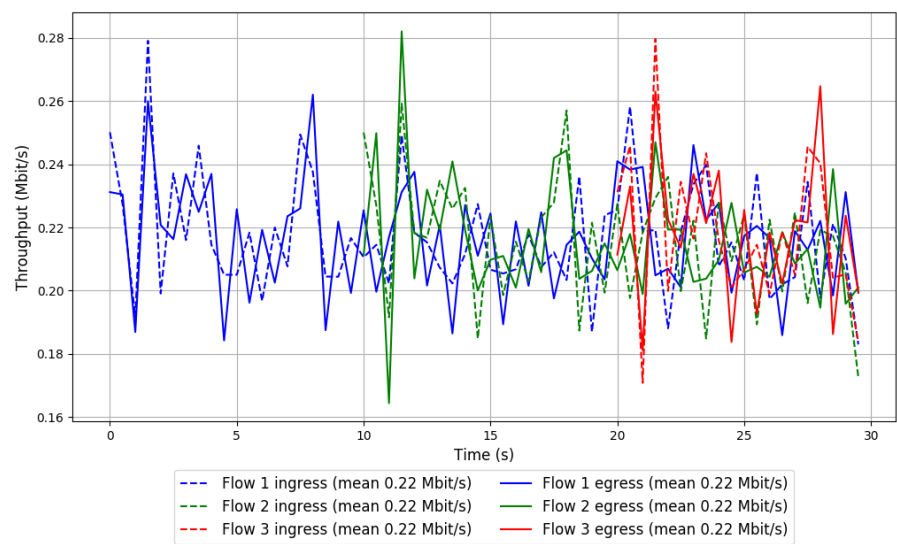


```
Run 3: Statistics of SCReAM

Start at: 2018-01-31 19:46:48
End at: 2018-01-31 19:47:18

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.644 ms
Loss rate: 0.00%
```


Run 3: Report of SReAM — Data Link

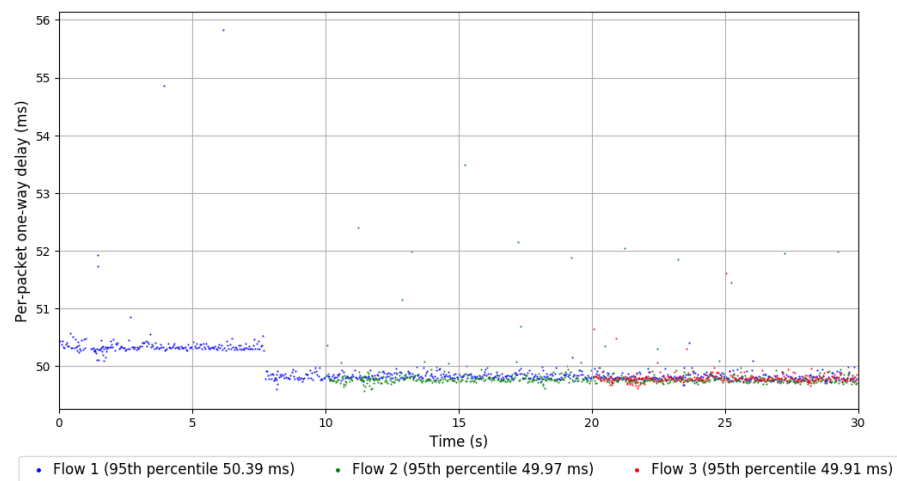
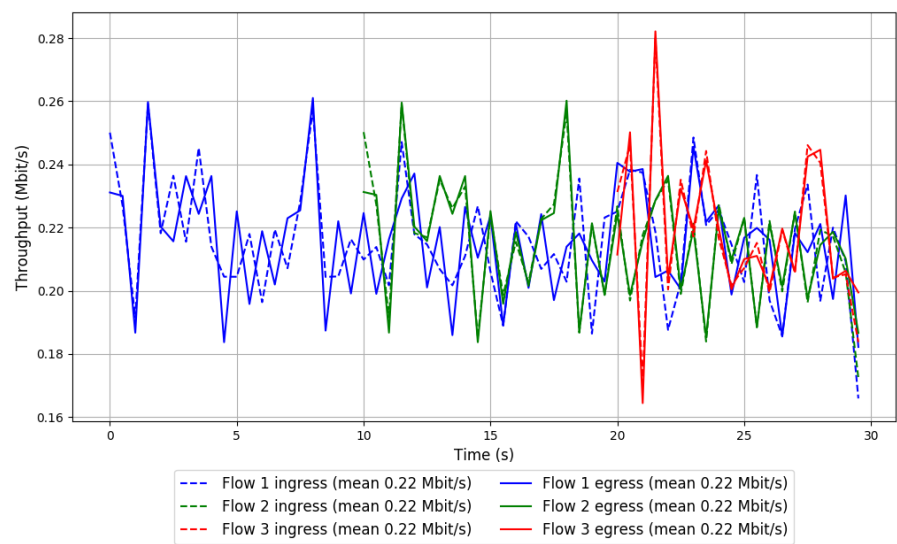


```
Run 4: Statistics of SCReAM

Start at: 2018-01-31 20:02:49
End at: 2018-01-31 20:03:19

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.969 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.905 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link

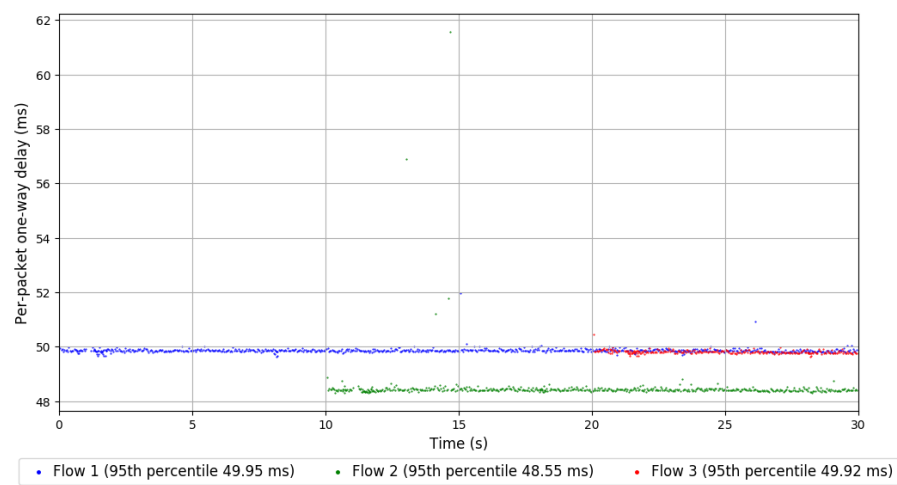
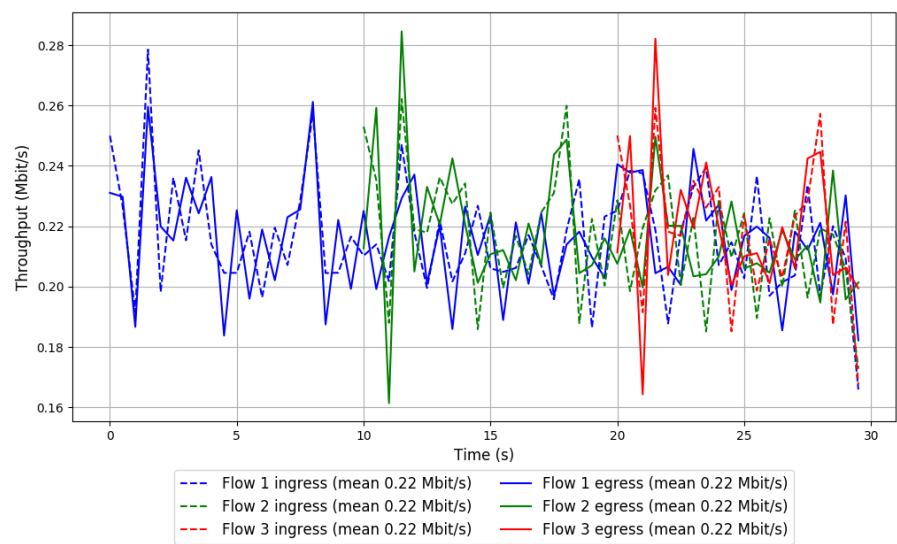


```
Run 5: Statistics of SCReAM

Start at: 2018-01-31 20:18:43
End at: 2018-01-31 20:19:13

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 49.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.548 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.916 ms
Loss rate: 0.00%
```

Run 5: Report of SReAM — Data Link

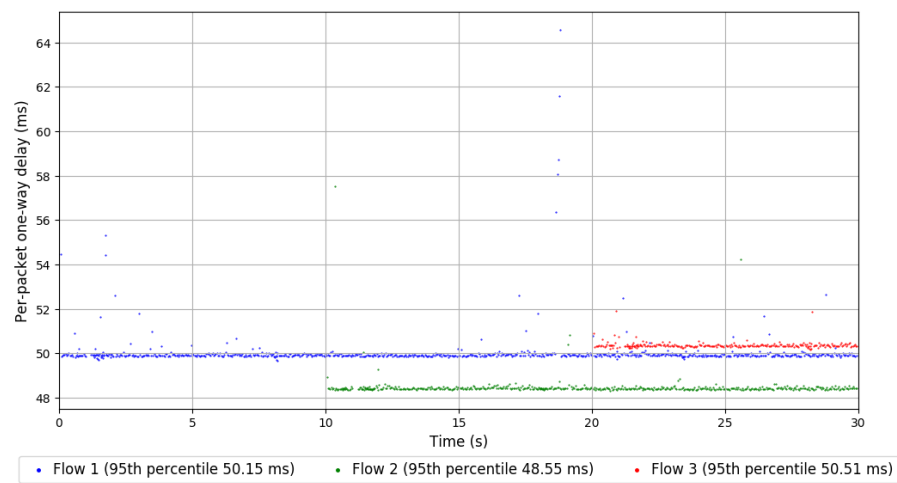
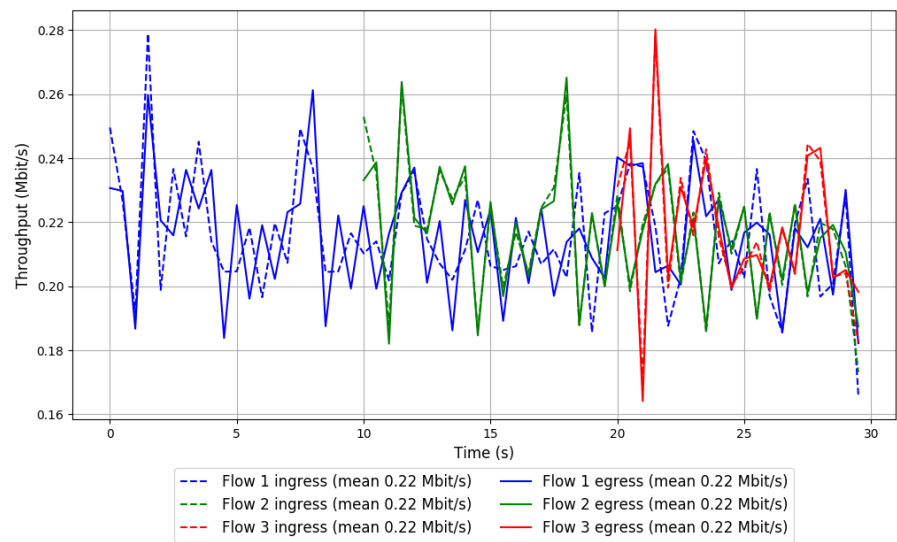


```
Run 6: Statistics of SCReAM

Start at: 2018-01-31 20:34:45
End at: 2018-01-31 20:35:15

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.145 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.513 ms
Loss rate: 0.00%
```

Run 6: Report of SReAM — Data Link

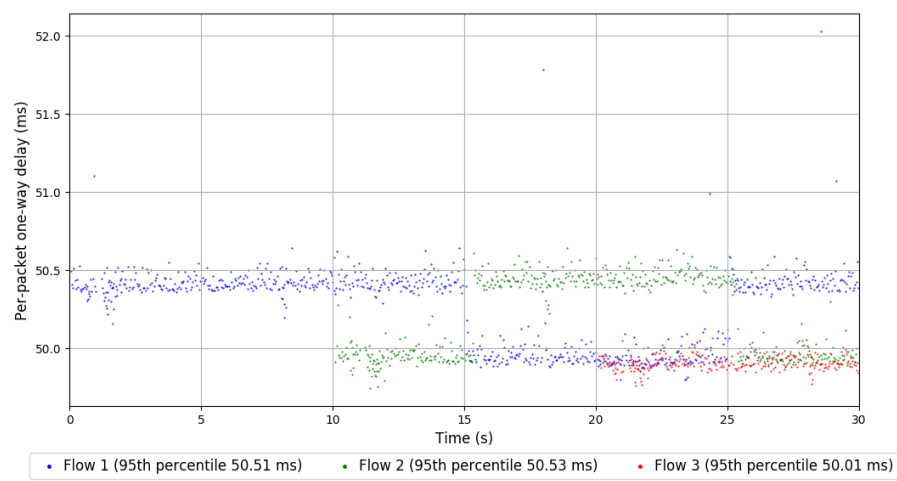
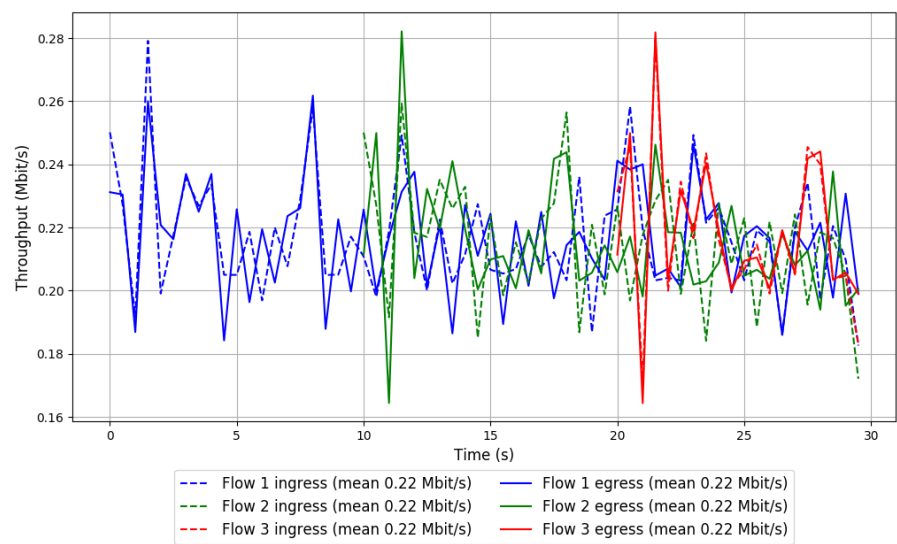


```
Run 7: Statistics of SReAM

Start at: 2018-01-31 20:49:52
End at: 2018-01-31 20:50:22

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.511 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.528 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.006 ms
Loss rate: 0.00%
```


Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-01-31 21:04:55

End at: 2018-01-31 21:05:25

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.862 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.392 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.573 ms

Loss rate: 0.00%

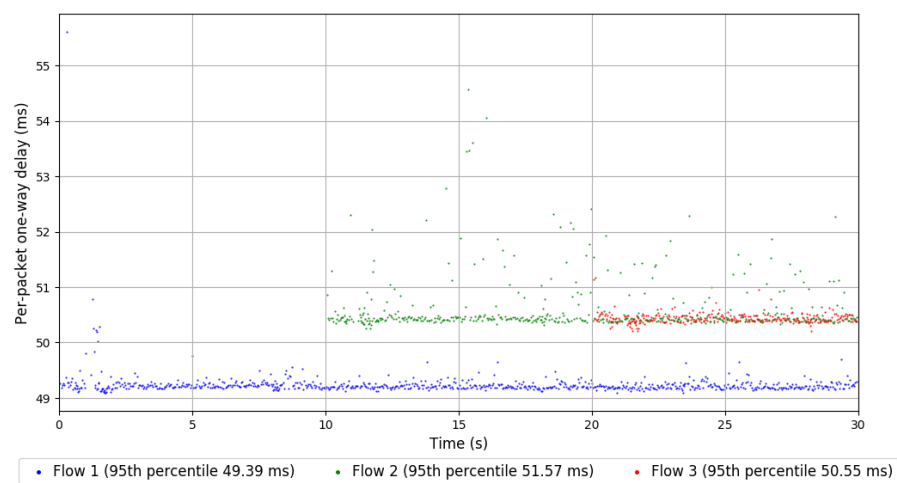
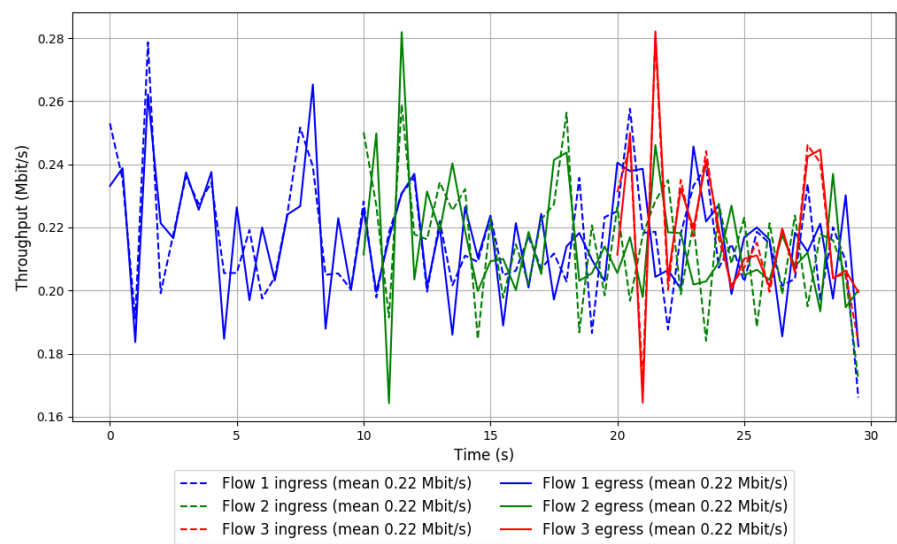
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.555 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

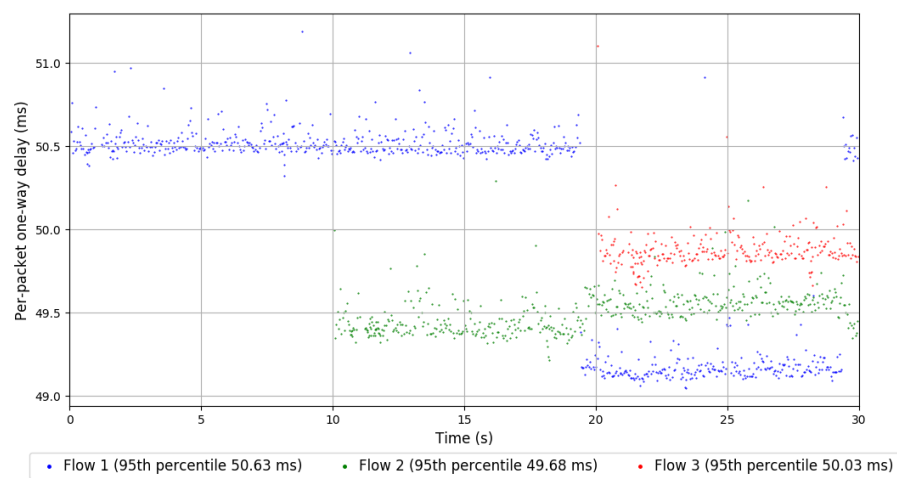
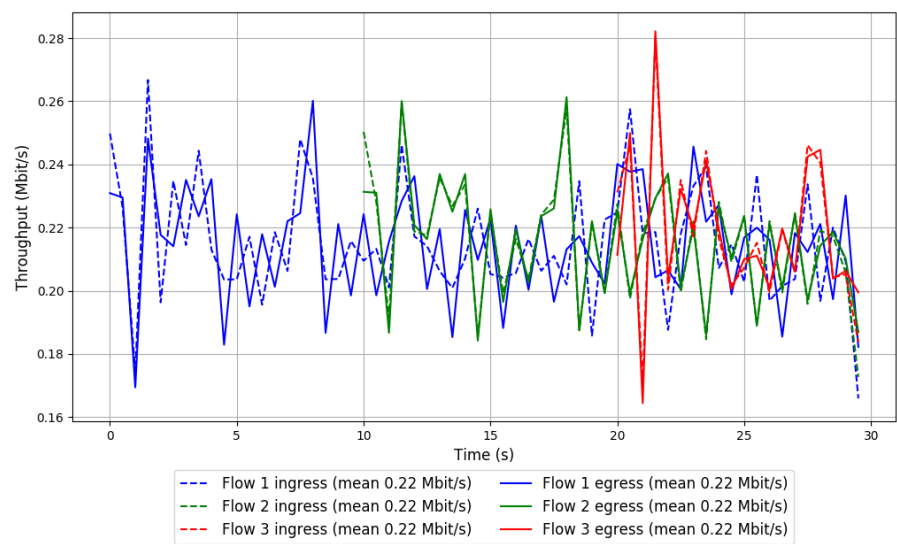


```
Run 9: Statistics of SReAM

Start at: 2018-01-31 21:20:08
End at: 2018-01-31 21:20:38

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.628 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.677 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.033 ms
Loss rate: 0.00%
```

Run 9: Report of SReAM — Data Link

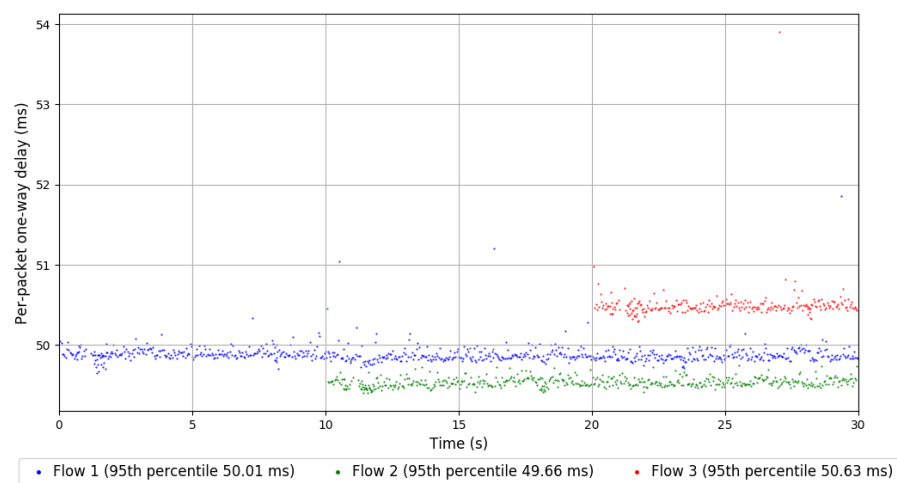
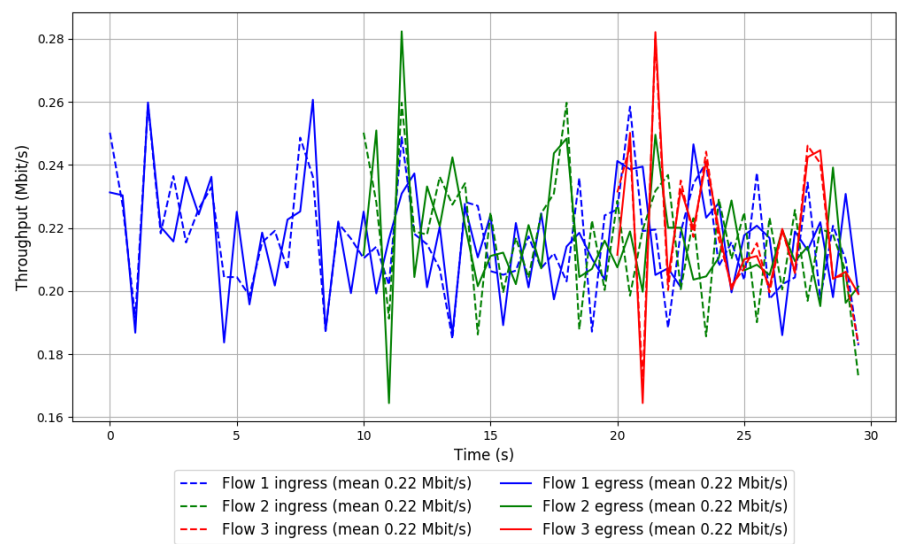


```
Run 10: Statistics of SReAM

Start at: 2018-01-31 21:35:26
End at: 2018-01-31 21:35:56

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.007 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.655 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.634 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link

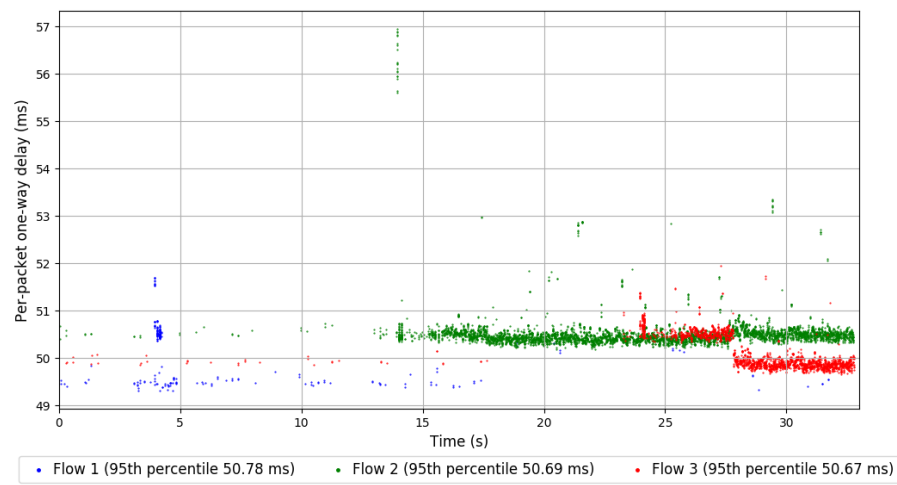
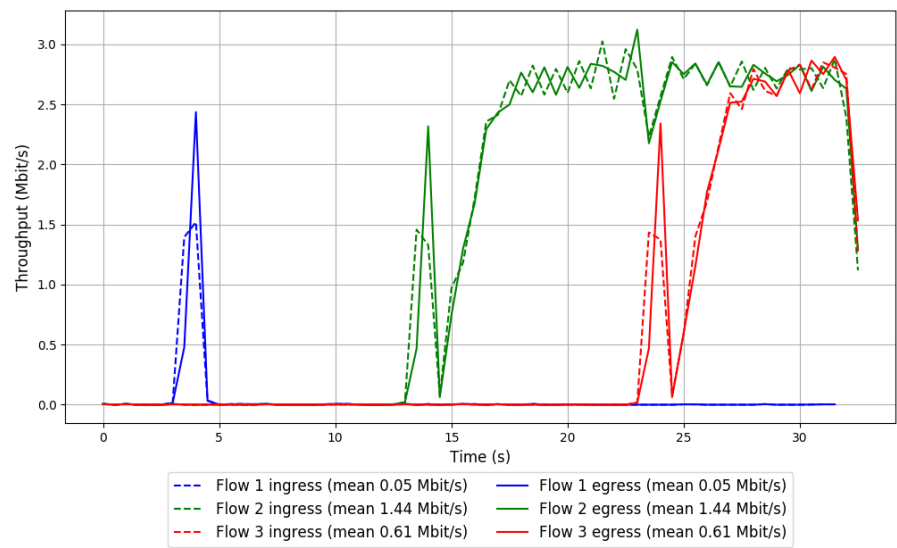


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-31 19:15:52
End at: 2018-01-31 19:16:22

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 50.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.785 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 50.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 50.674 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

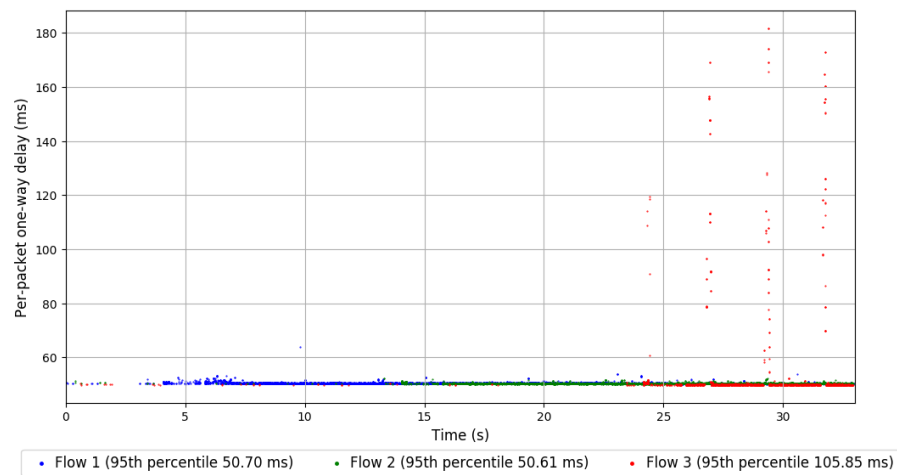
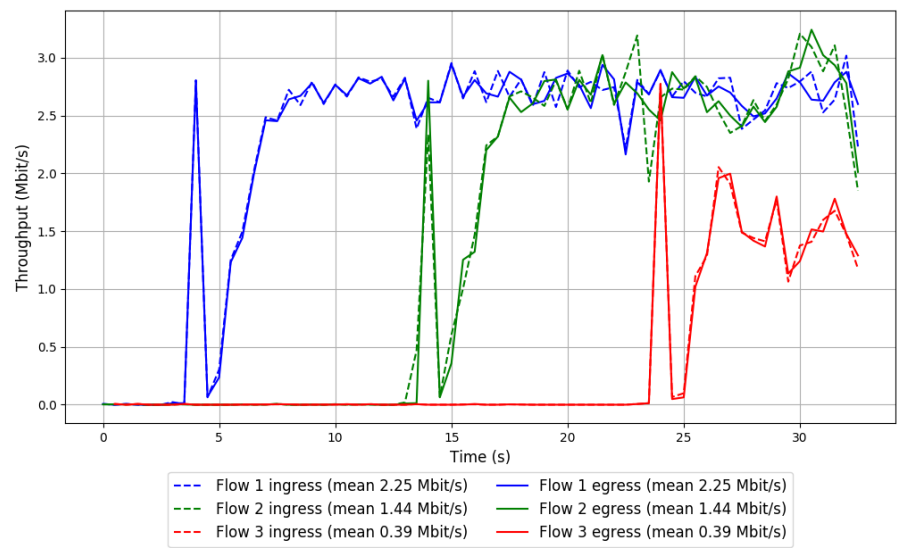


```
Run 2: Statistics of WebRTC media

Start at: 2018-01-31 19:32:05
End at: 2018-01-31 19:32:35

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 50.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 50.607 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 105.848 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-31 19:48:21

End at: 2018-01-31 19:48:51

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 50.550 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 50.584 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 50.510 ms

Loss rate: 0.00%

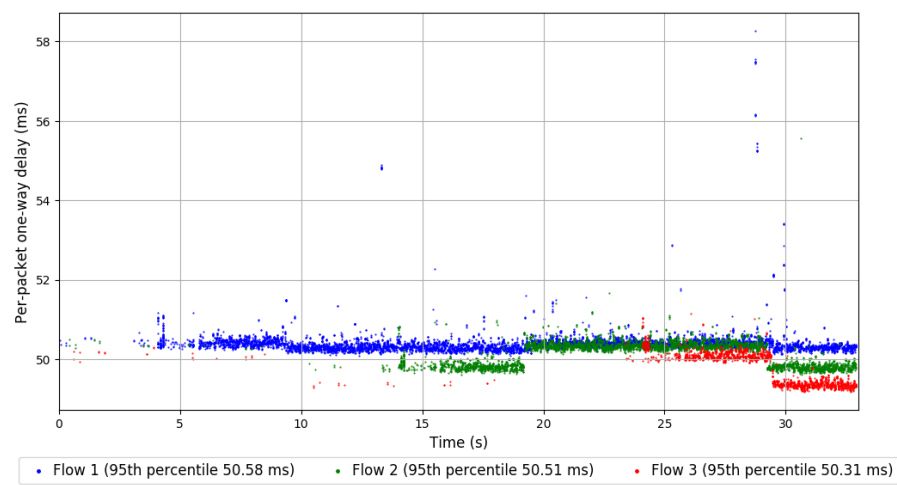
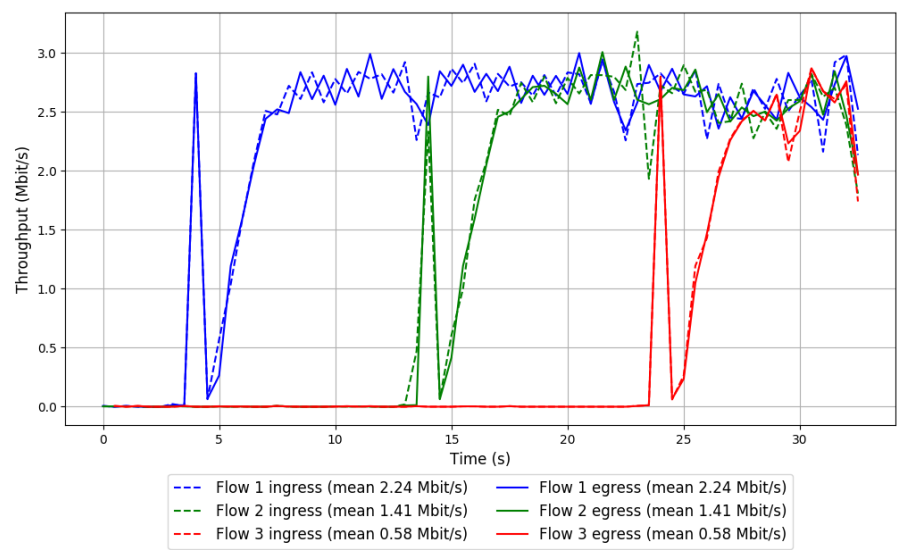
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 50.312 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-31 20:04:15

End at: 2018-01-31 20:04:45

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 50.430 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 49.960 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 50.493 ms

Loss rate: 0.00%

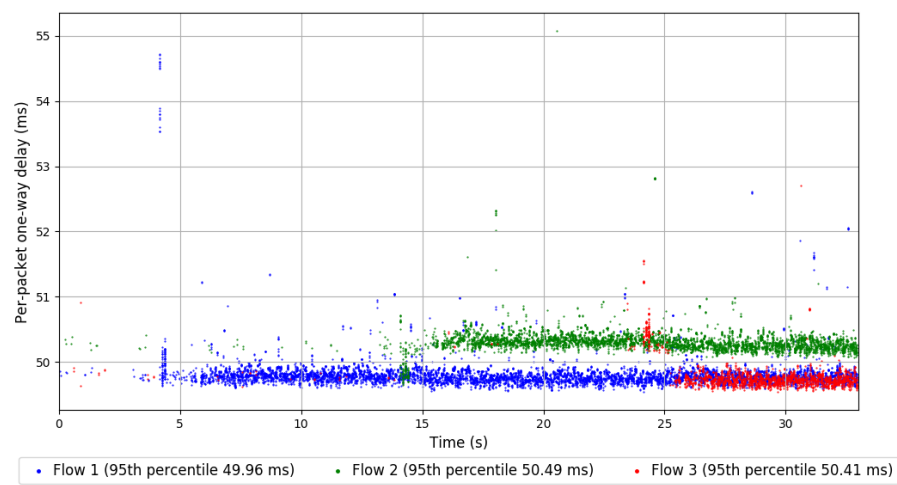
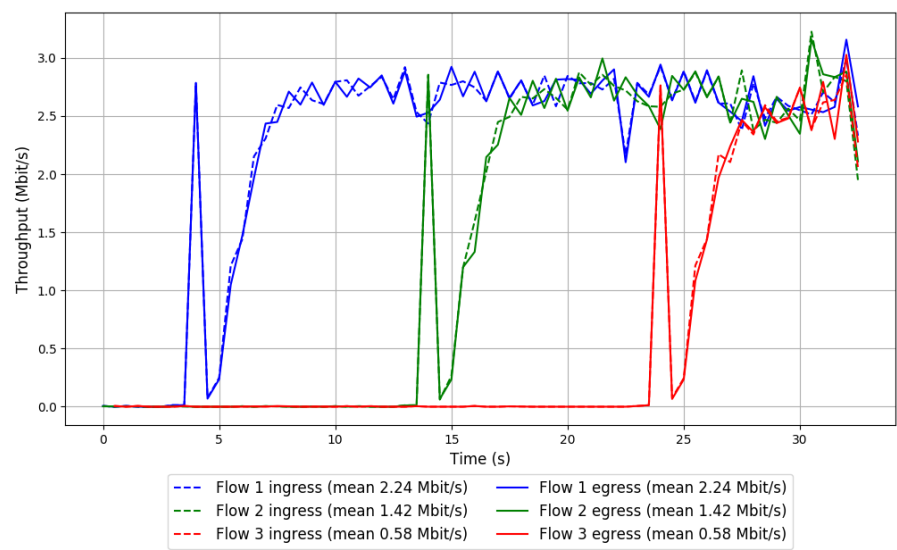
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 50.407 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-31 20:20:09

End at: 2018-01-31 20:20:39

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 50.566 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 50.603 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 50.457 ms

Loss rate: 0.00%

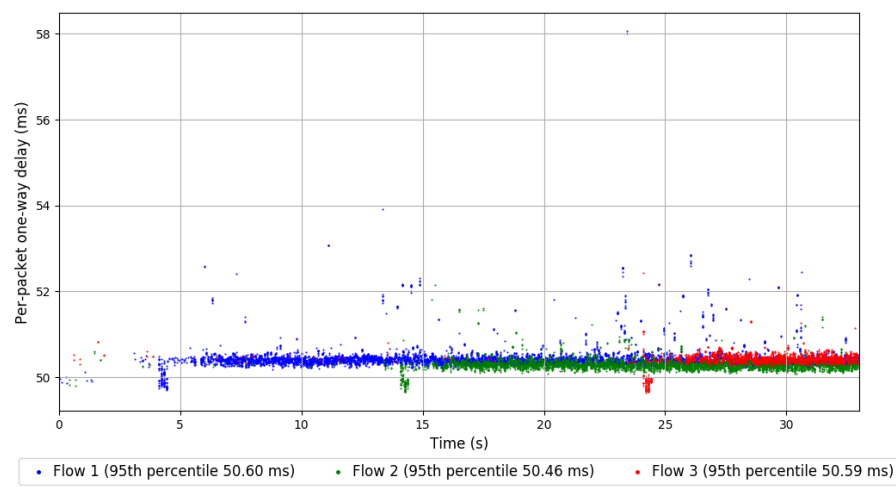
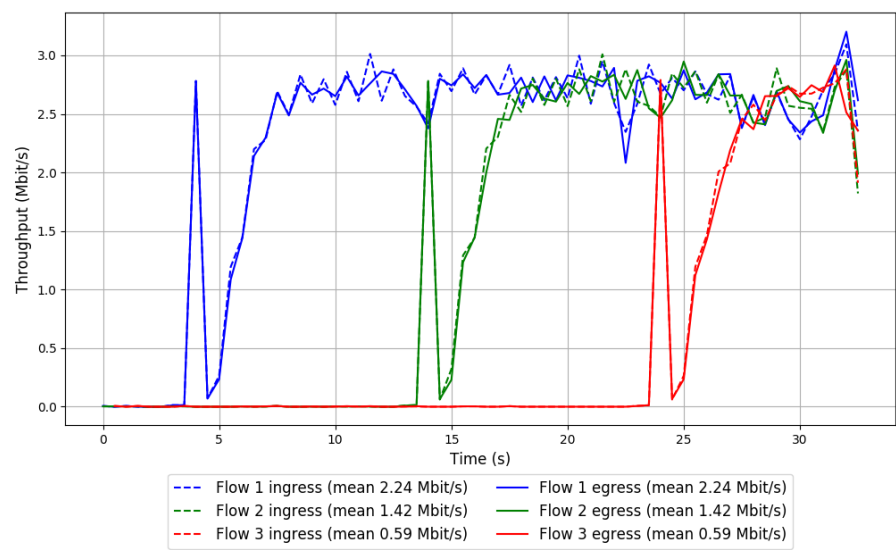
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 50.588 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-31 20:36:13

End at: 2018-01-31 20:36:43

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 50.579 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 50.620 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 50.435 ms

Loss rate: 0.00%

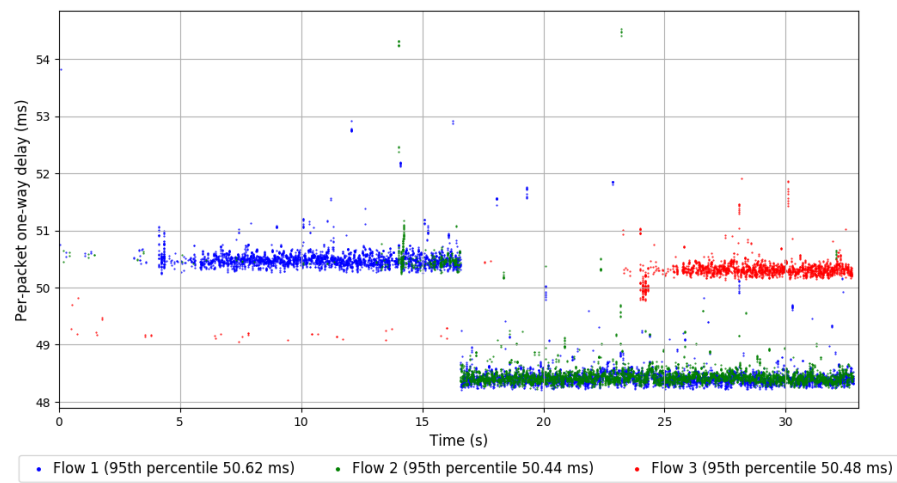
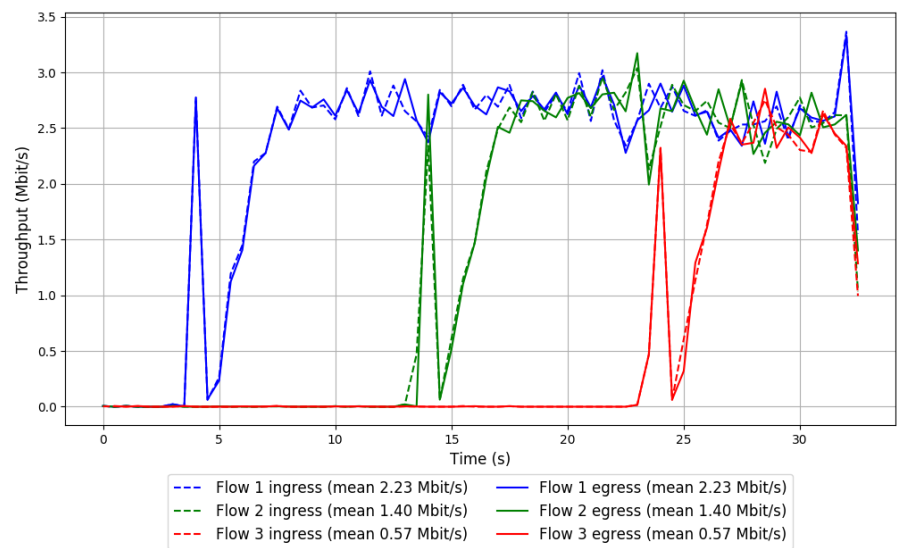
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 50.482 ms

Loss rate: 0.05%

Run 6: Report of WebRTC media — Data Link

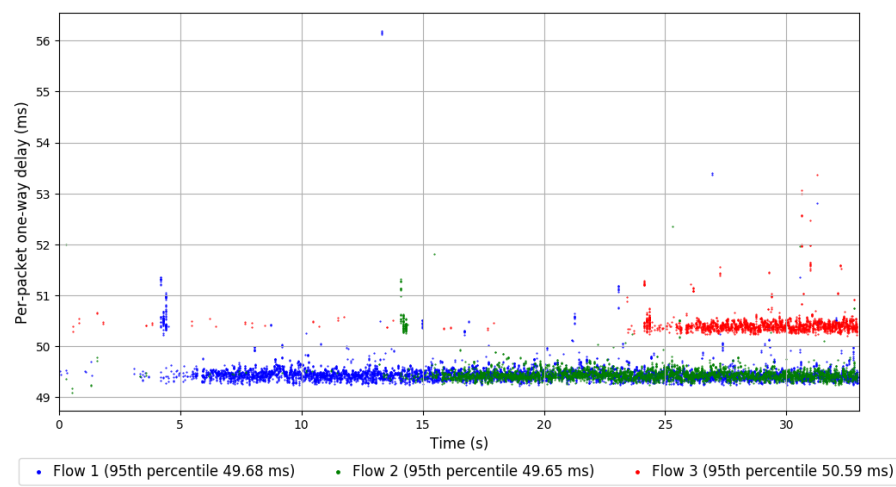
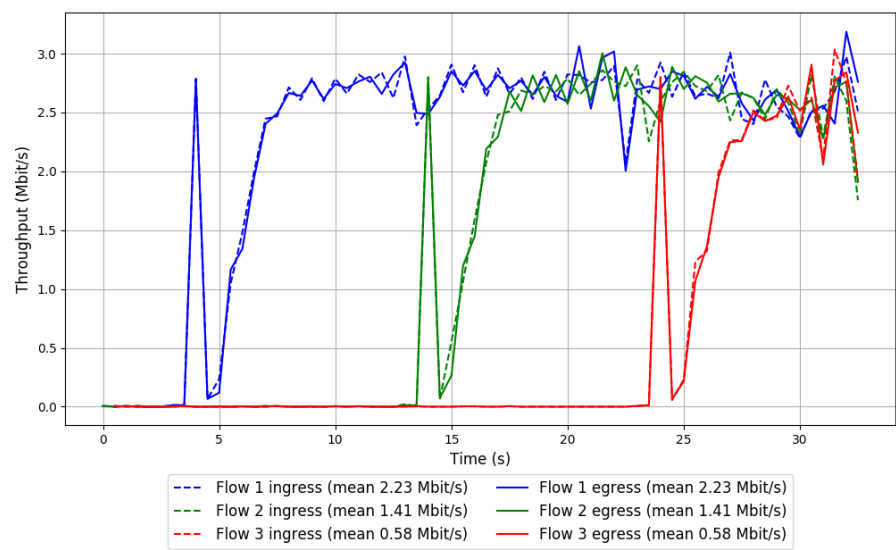


```
Run 7: Statistics of WebRTC media

Start at: 2018-01-31 20:51:19
End at: 2018-01-31 20:51:49

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 50.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 49.679 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 49.649 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 50.590 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-31 21:06:22

End at: 2018-01-31 21:06:52

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 50.281 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 49.719 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 49.681 ms

Loss rate: 0.00%

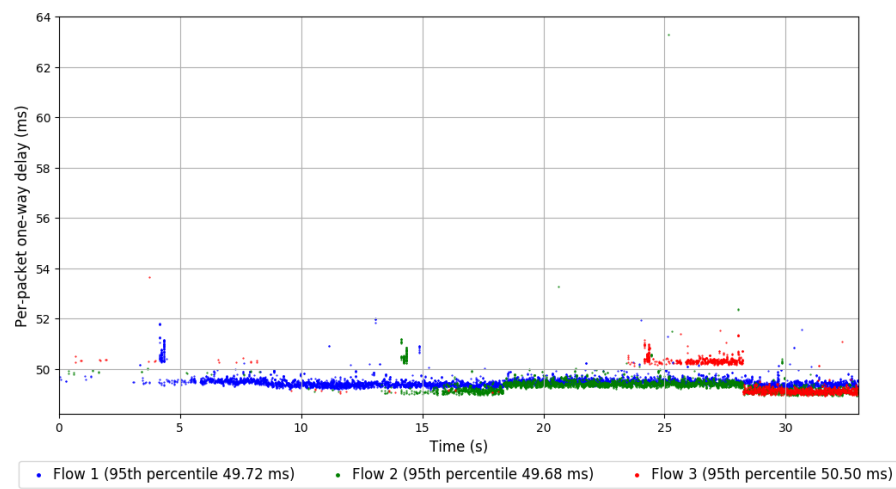
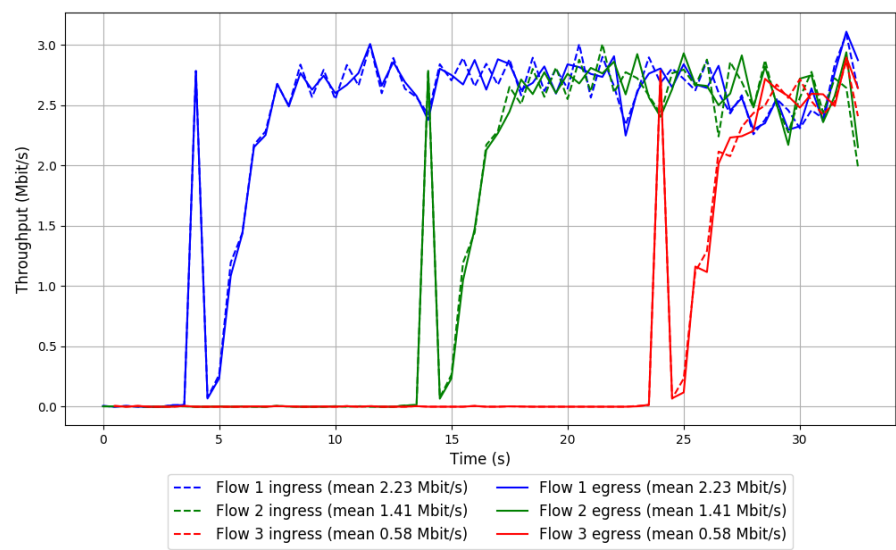
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 50.502 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-31 21:21:40

End at: 2018-01-31 21:22:10

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 50.476 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 50.404 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 49.952 ms

Loss rate: 0.00%

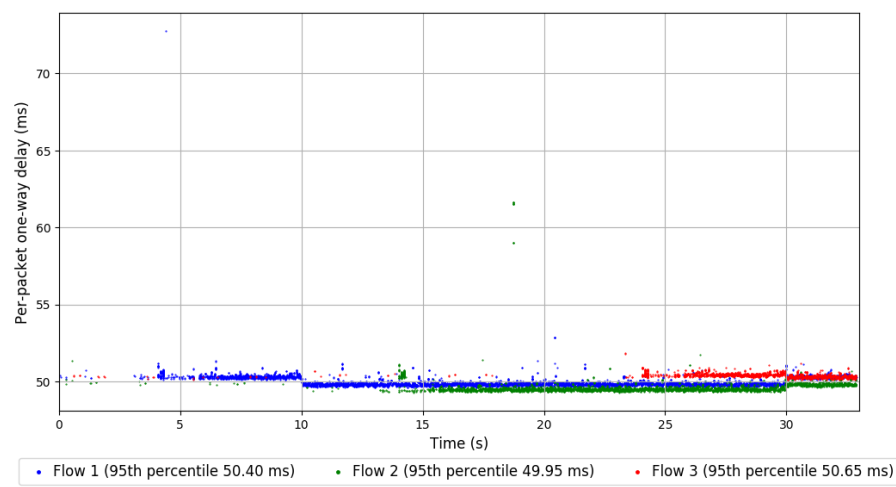
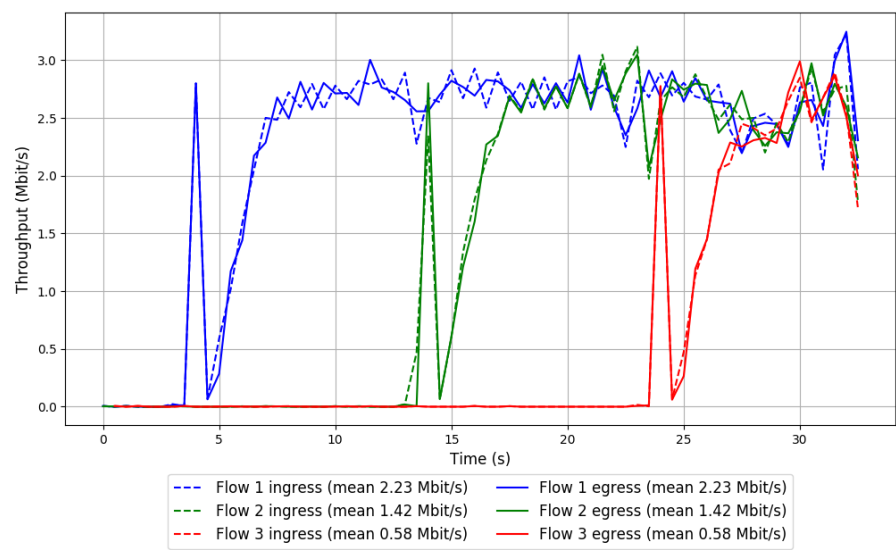
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 50.654 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-31 21:36:53

End at: 2018-01-31 21:37:23

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 50.386 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 50.462 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 49.687 ms

Loss rate: 0.00%

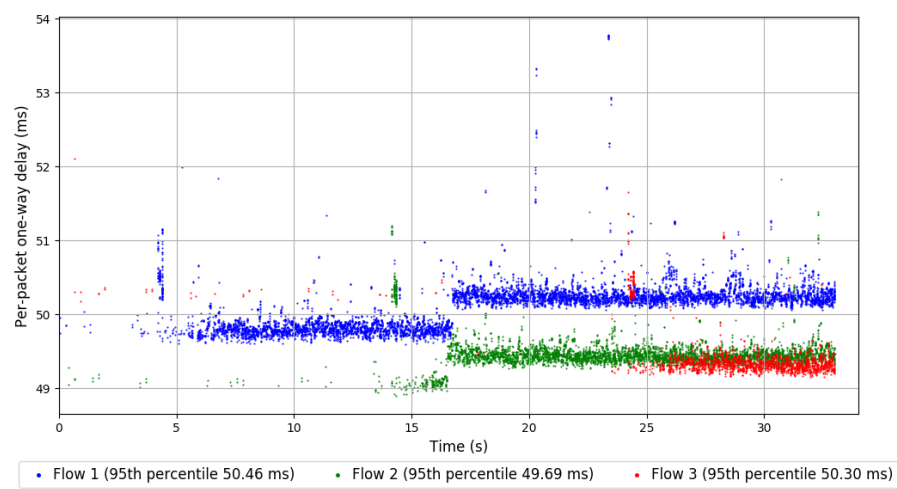
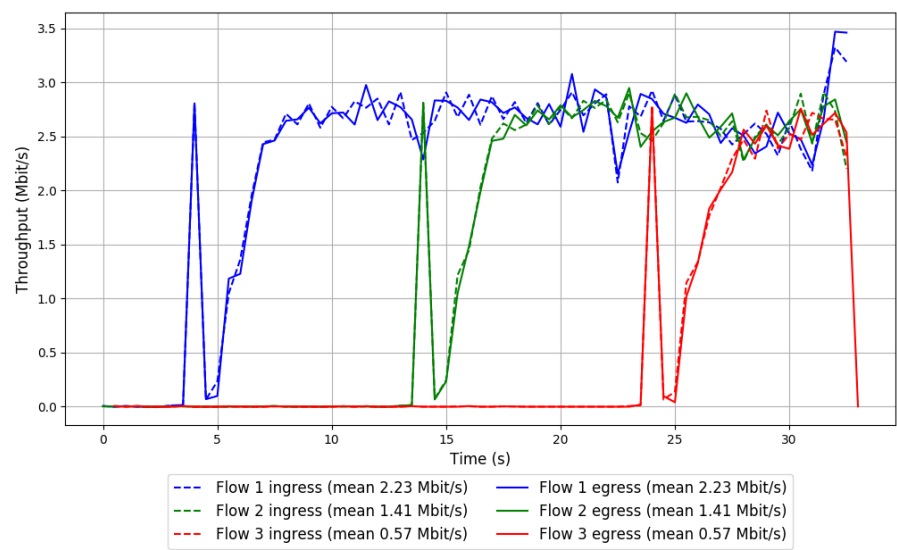
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 50.304 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

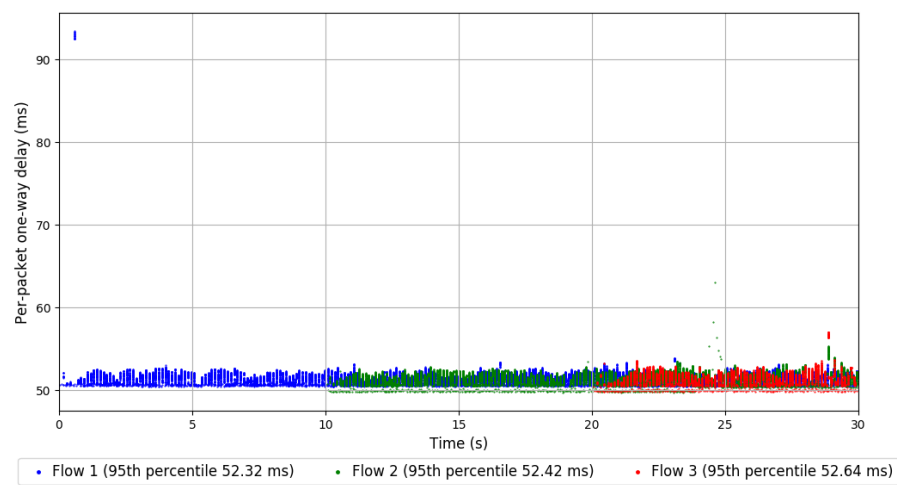
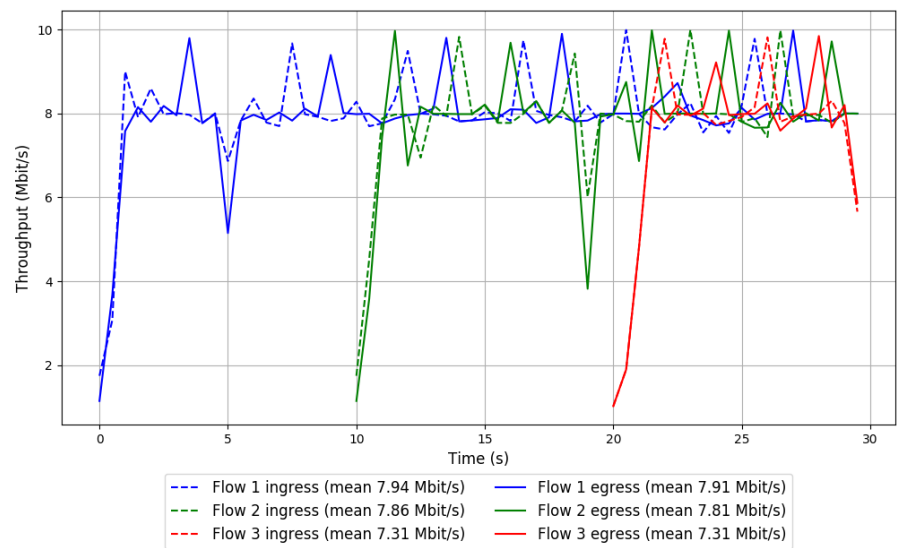


```
Run 1: Statistics of Sprout

Start at: 2018-01-31 19:06:23
End at: 2018-01-31 19:06:53

# Below is generated by plot.py at 2018-02-01 00:11:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 52.408 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 52.323 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 52.419 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 52.640 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-31 19:22:32

End at: 2018-01-31 19:23:02

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.20 Mbit/s

95th percentile per-packet one-way delay: 52.300 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 52.244 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 52.252 ms

Loss rate: 1.29%

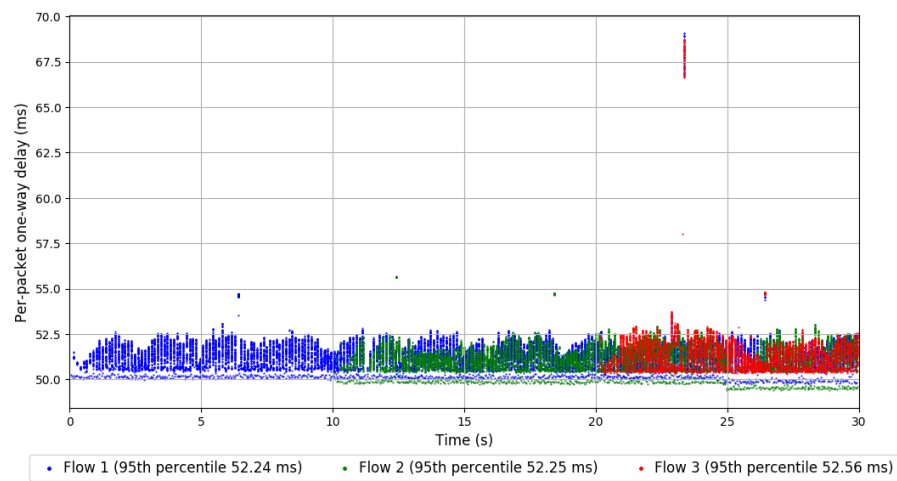
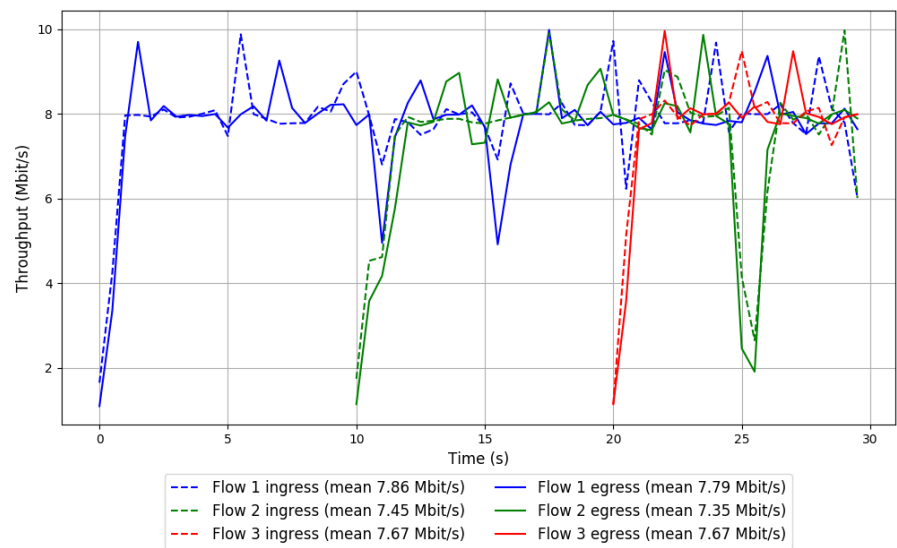
-- Flow 3:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 52.561 ms

Loss rate: 0.06%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-31 19:38:51

End at: 2018-01-31 19:39:22

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.66 Mbit/s

95th percentile per-packet one-way delay: 52.203 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 52.208 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 52.198 ms

Loss rate: 0.00%

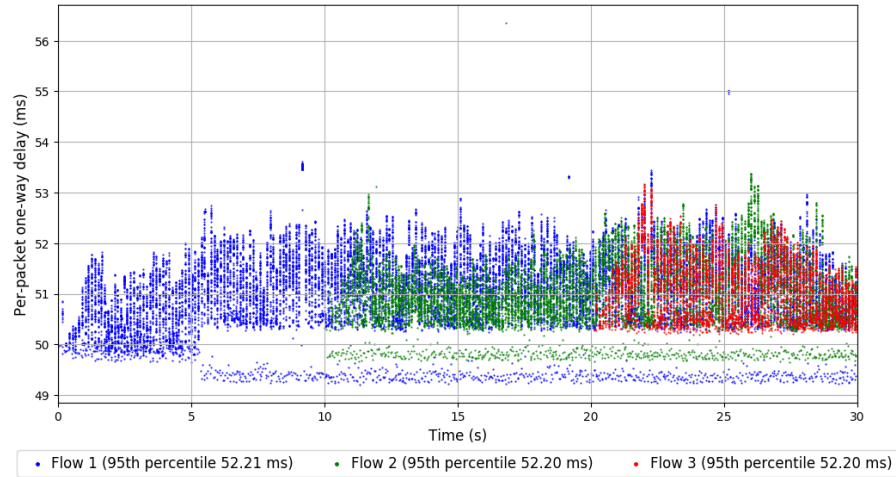
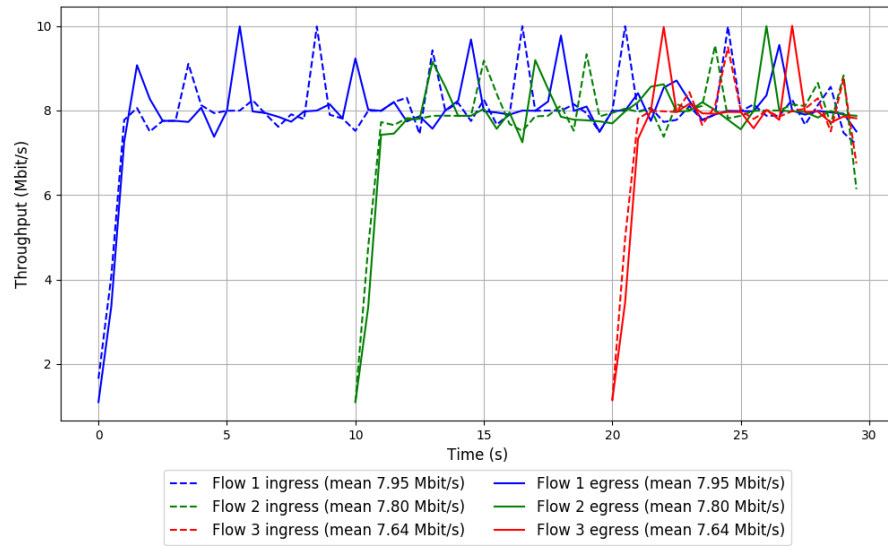
-- Flow 3:

Average throughput: 7.64 Mbit/s

95th percentile per-packet one-way delay: 52.196 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-31 19:54:52

End at: 2018-01-31 19:55:22

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.36 Mbit/s

95th percentile per-packet one-way delay: 52.146 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 7.60 Mbit/s

95th percentile per-packet one-way delay: 52.076 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 52.156 ms

Loss rate: 0.00%

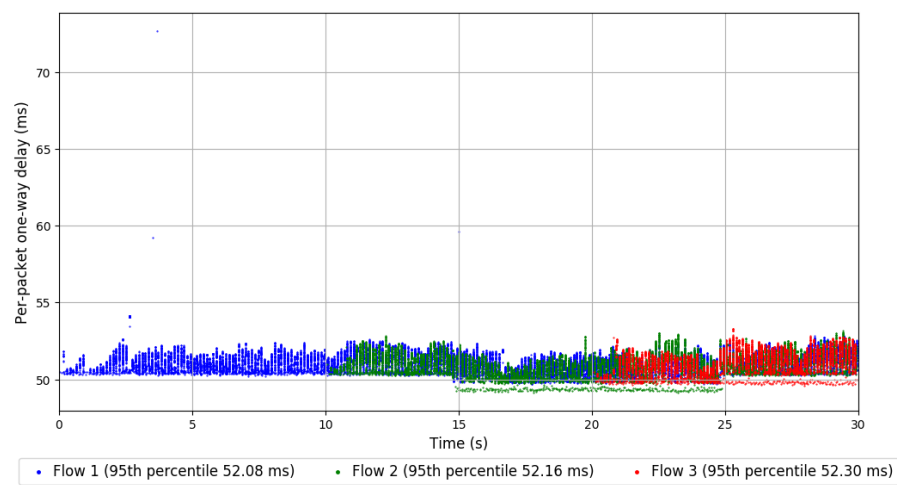
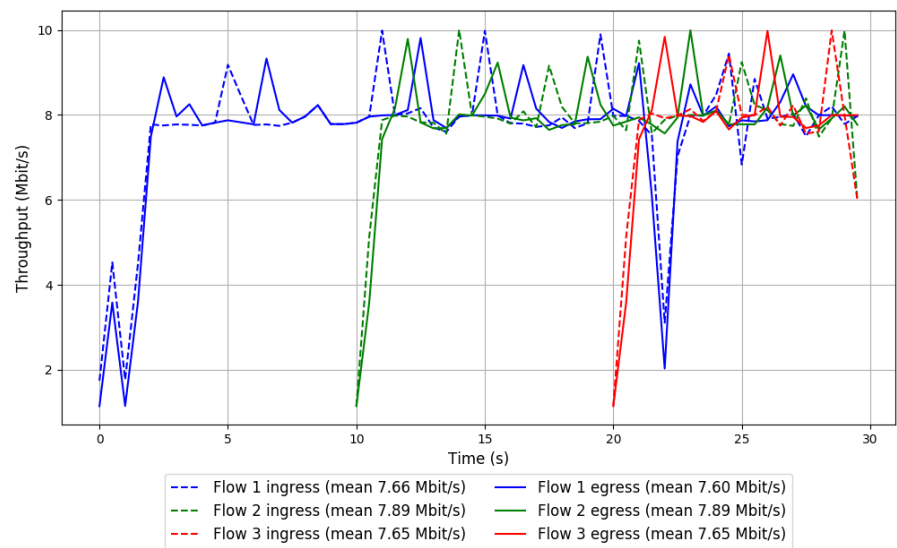
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 52.296 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-31 20:10:47

End at: 2018-01-31 20:11:17

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.65 Mbit/s

95th percentile per-packet one-way delay: 52.235 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 52.223 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 52.380 ms

Loss rate: 0.00%

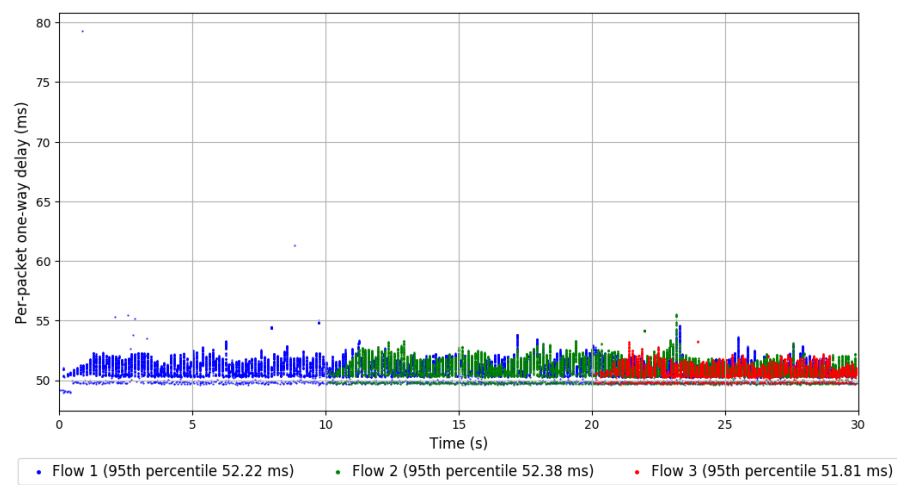
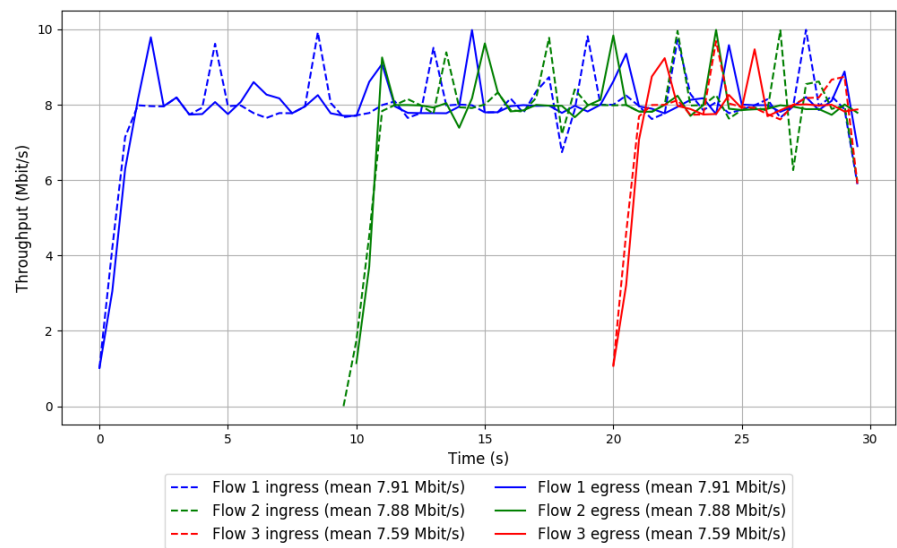
-- Flow 3:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 51.811 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-31 20:26:36

End at: 2018-01-31 20:27:06

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.24 Mbit/s

95th percentile per-packet one-way delay: 52.381 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 52.367 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 52.544 ms

Loss rate: 1.26%

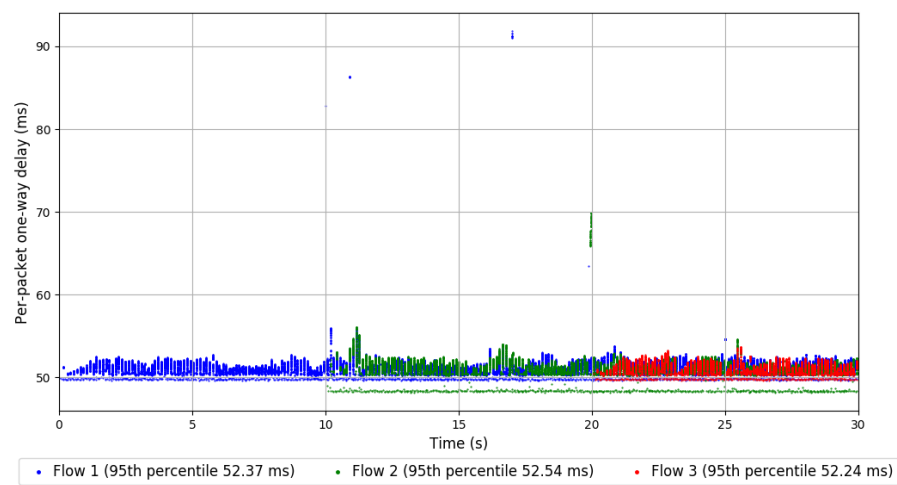
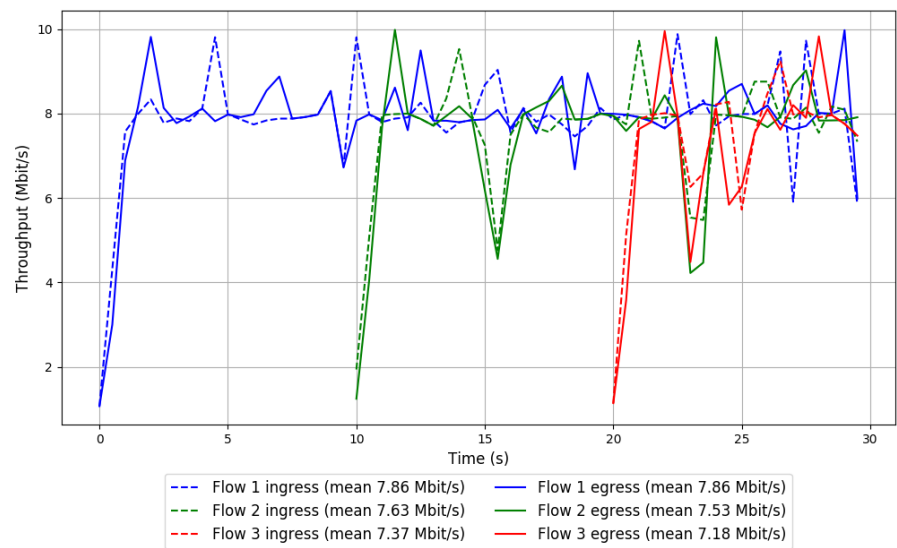
-- Flow 3:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 52.239 ms

Loss rate: 2.59%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-31 20:41:55

End at: 2018-01-31 20:42:25

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.86 Mbit/s

95th percentile per-packet one-way delay: 52.270 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 52.273 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 52.172 ms

Loss rate: 0.34%

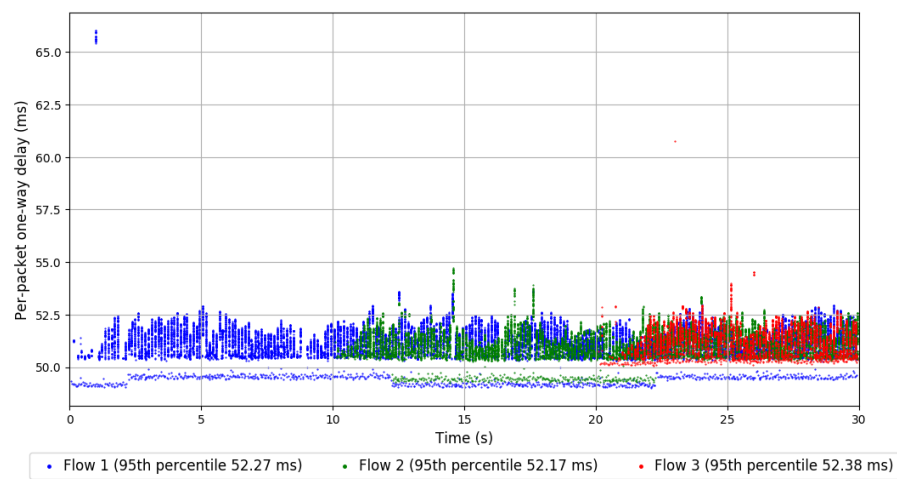
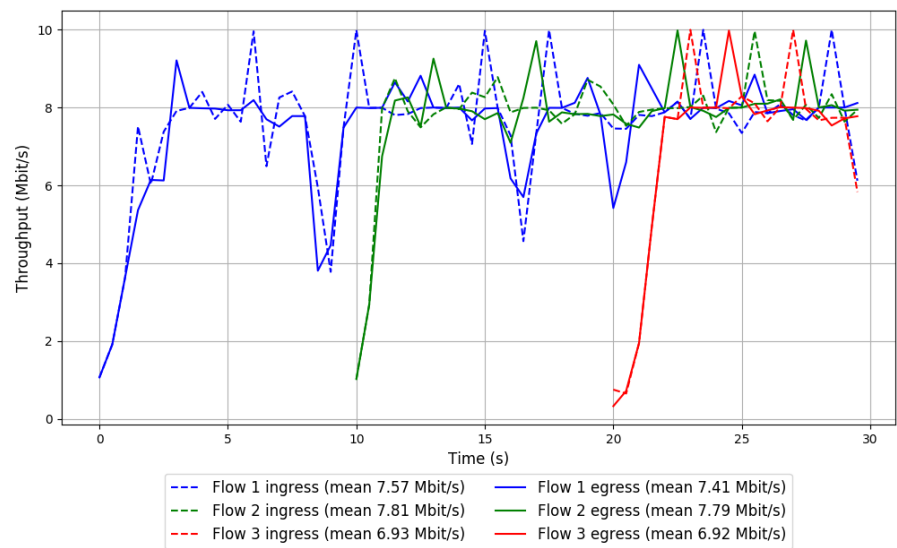
-- Flow 3:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 52.384 ms

Loss rate: 0.26%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-31 20:57:05

End at: 2018-01-31 20:57:35

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.57 Mbit/s

95th percentile per-packet one-way delay: 52.227 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 52.267 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 52.144 ms

Loss rate: 0.00%

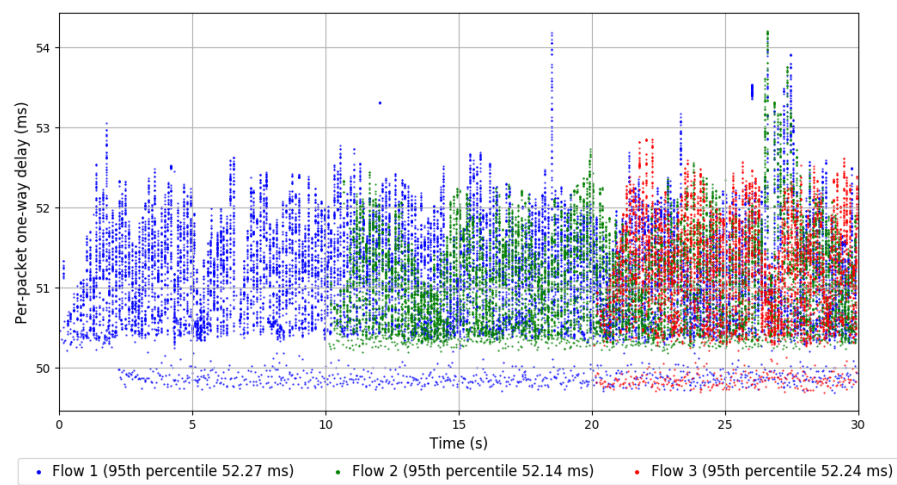
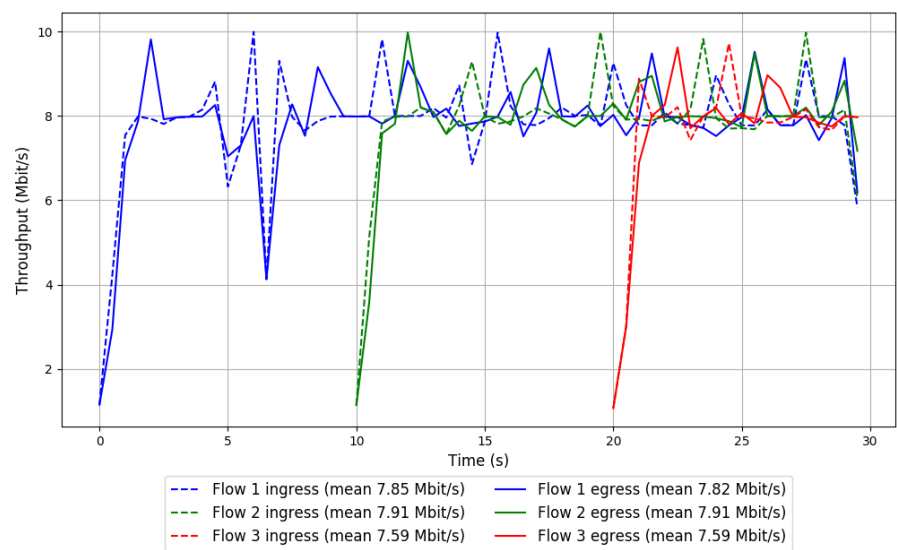
-- Flow 3:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 52.238 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-31 21:12:07

End at: 2018-01-31 21:12:37

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.55 Mbit/s

95th percentile per-packet one-way delay: 52.130 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 52.155 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 52.075 ms

Loss rate: 0.00%

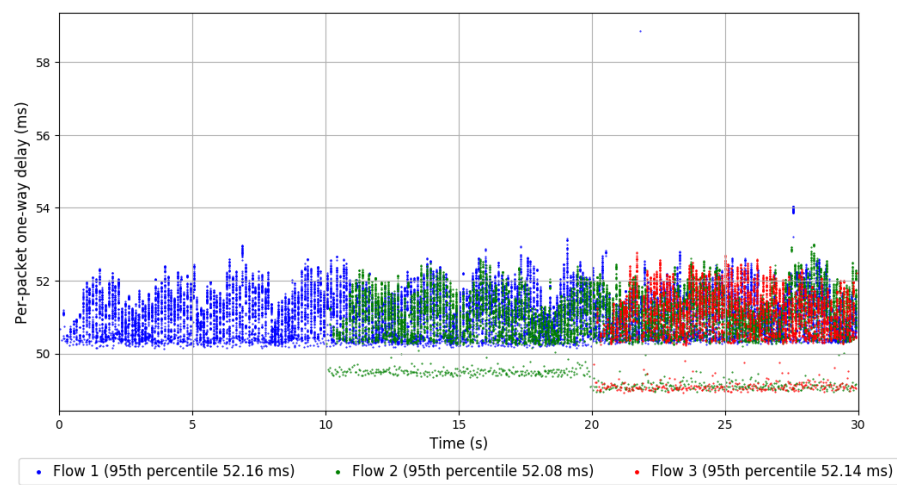
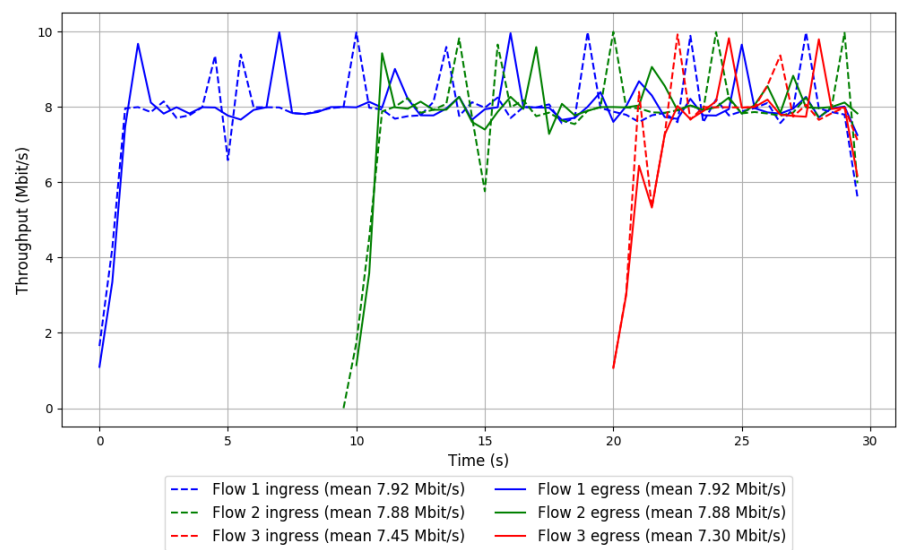
-- Flow 3:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 52.139 ms

Loss rate: 2.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-31 21:27:26

End at: 2018-01-31 21:27:56

Below is generated by plot.py at 2018-02-01 00:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.62 Mbit/s

95th percentile per-packet one-way delay: 52.205 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 52.170 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 52.203 ms

Loss rate: 0.00%

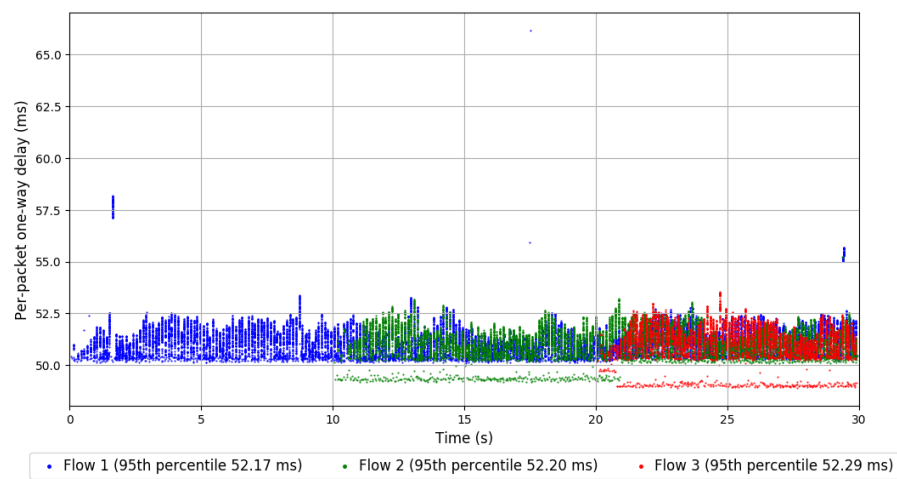
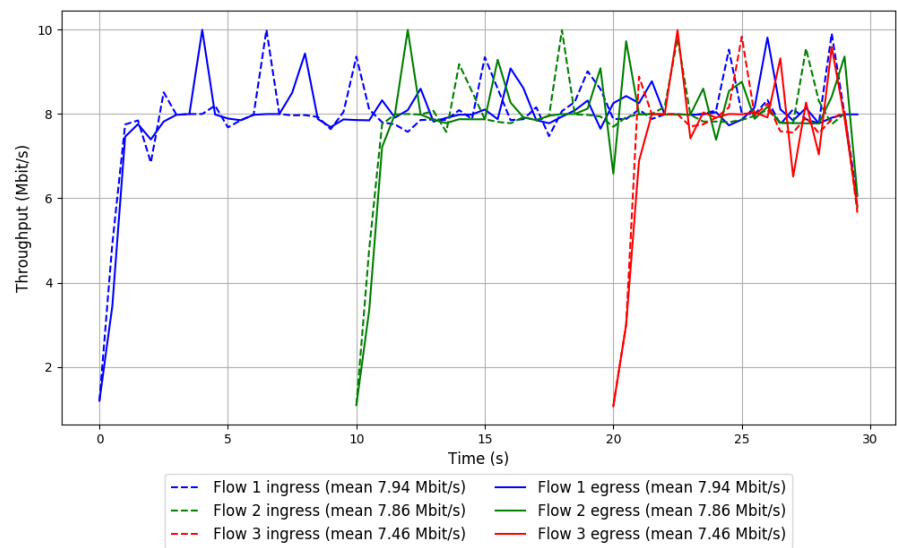
-- Flow 3:

Average throughput: 7.46 Mbit/s

95th percentile per-packet one-way delay: 52.291 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

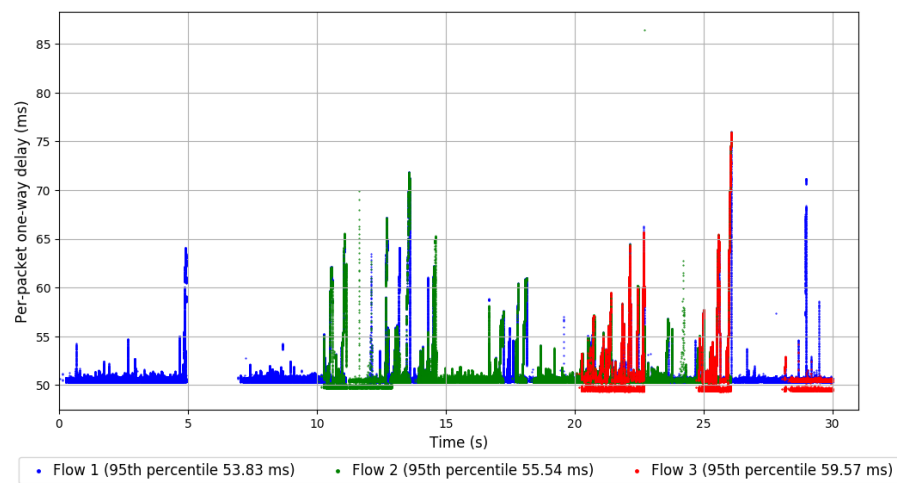
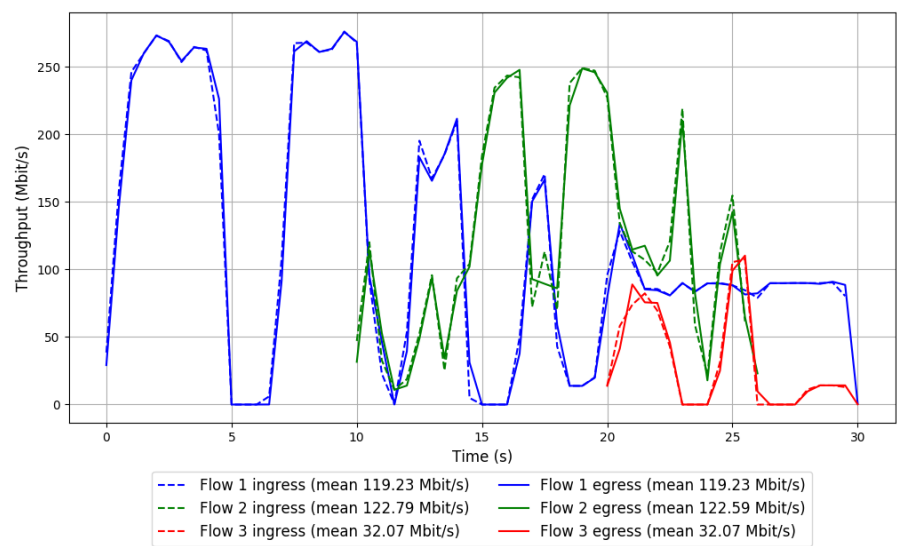


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-31 19:07:44
End at: 2018-01-31 19:08:14

# Below is generated by plot.py at 2018-02-01 00:16:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 195.36 Mbit/s
95th percentile per-packet one-way delay: 54.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.23 Mbit/s
95th percentile per-packet one-way delay: 53.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 122.59 Mbit/s
95th percentile per-packet one-way delay: 55.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 59.568 ms
Loss rate: 0.00%
```


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

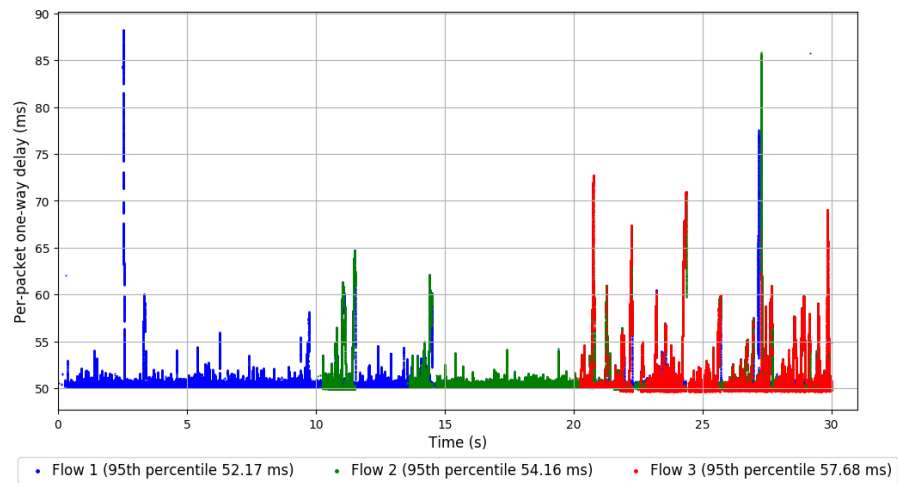
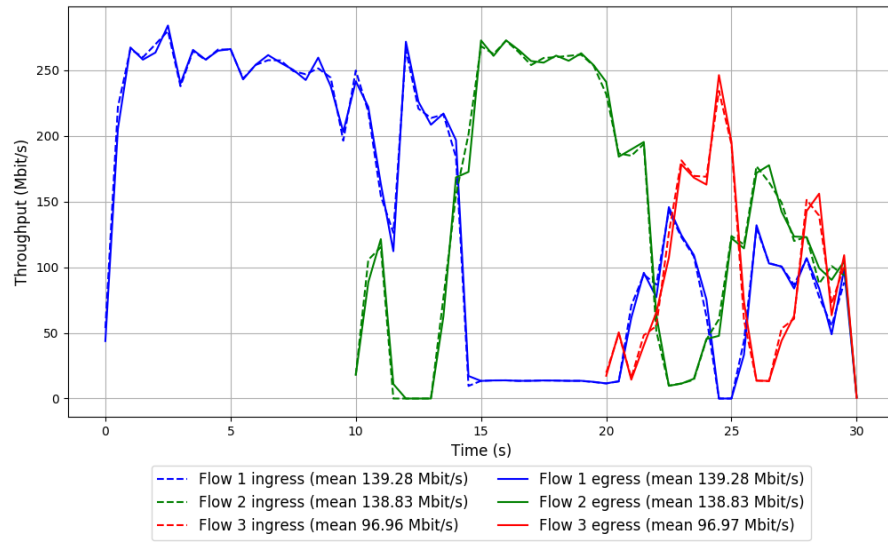


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-31 19:23:55
End at: 2018-01-31 19:24:25

# Below is generated by plot.py at 2018-02-01 00:19:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 263.83 Mbit/s
95th percentile per-packet one-way delay: 53.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.28 Mbit/s
95th percentile per-packet one-way delay: 52.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 138.83 Mbit/s
95th percentile per-packet one-way delay: 54.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 57.677 ms
Loss rate: 0.00%
```

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

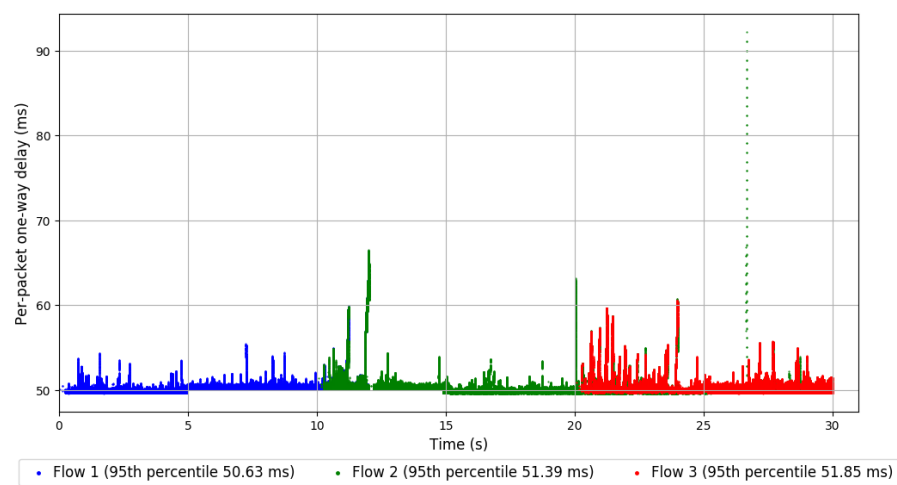
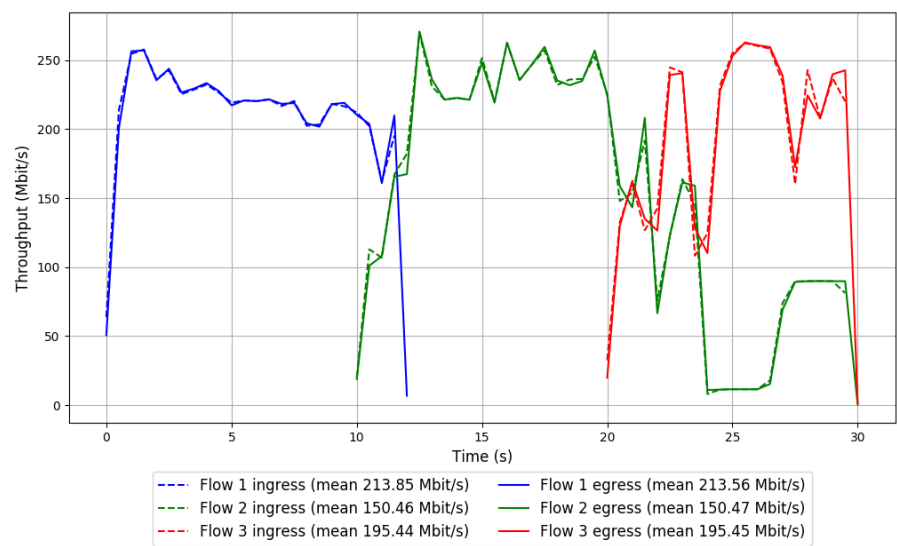


```
Run 3: Statistics of TaoVA-100x

Start at: 2018-01-31 19:40:12
End at: 2018-01-31 19:40:42

# Below is generated by plot.py at 2018-02-01 00:19:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 250.26 Mbit/s
95th percentile per-packet one-way delay: 51.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.56 Mbit/s
95th percentile per-packet one-way delay: 50.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 150.47 Mbit/s
95th percentile per-packet one-way delay: 51.389 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 195.45 Mbit/s
95th percentile per-packet one-way delay: 51.848 ms
Loss rate: 0.00%
```

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

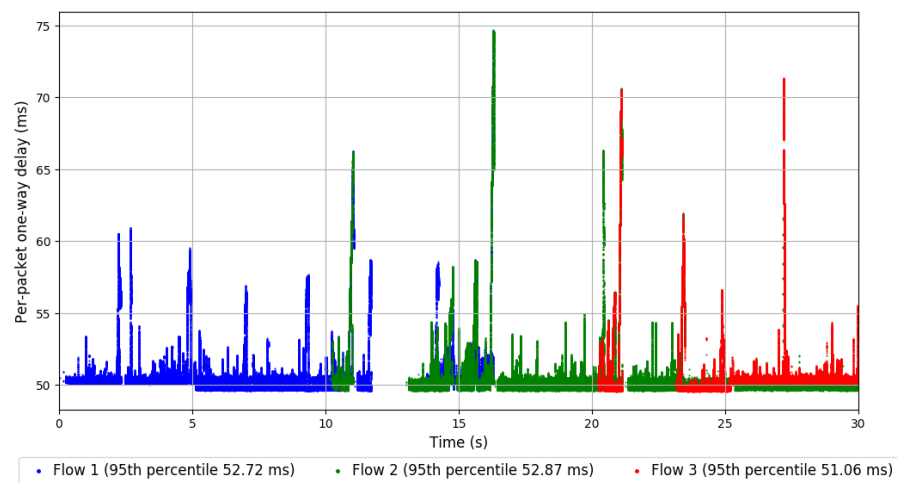
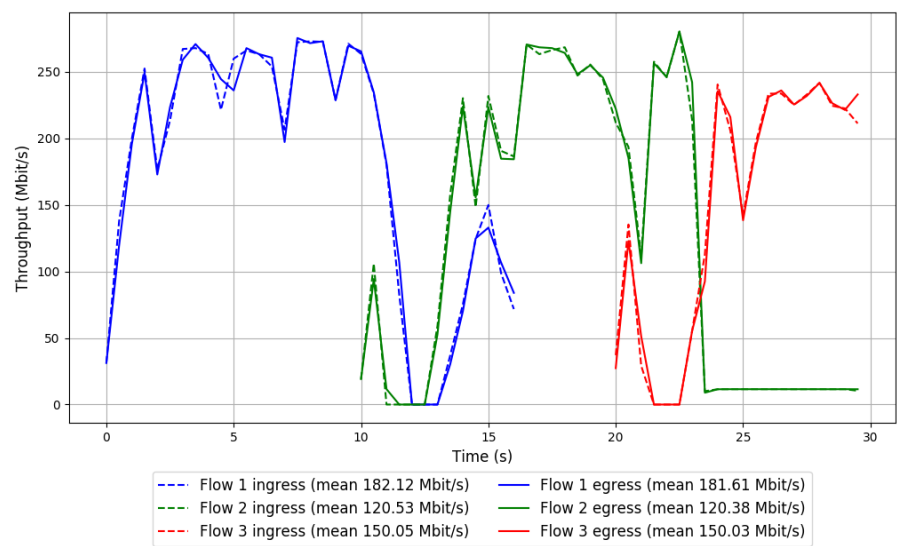


```
Run 4: Statistics of TaoVA-100x

Start at: 2018-01-31 19:56:12
End at: 2018-01-31 19:56:42

# Below is generated by plot.py at 2018-02-01 00:19:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 228.55 Mbit/s
95th percentile per-packet one-way delay: 52.360 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 181.61 Mbit/s
95th percentile per-packet one-way delay: 52.722 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 120.38 Mbit/s
95th percentile per-packet one-way delay: 52.874 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 150.03 Mbit/s
95th percentile per-packet one-way delay: 51.058 ms
Loss rate: 0.03%
```

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

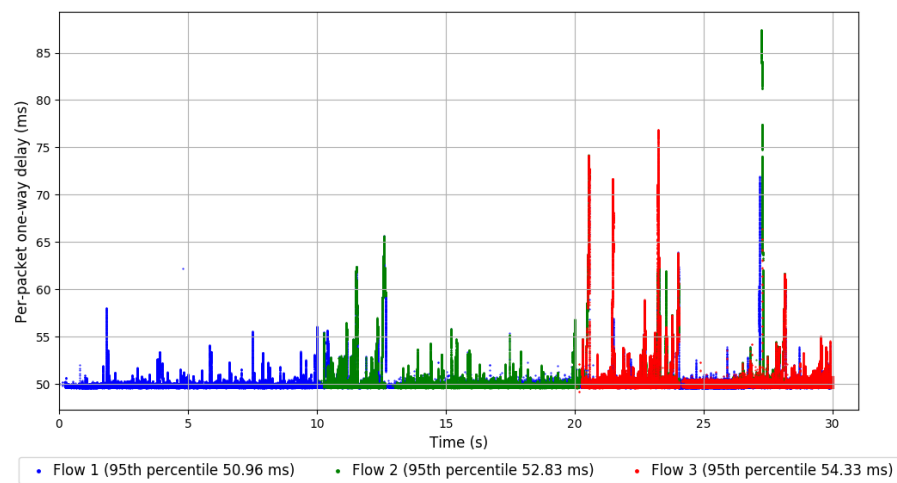
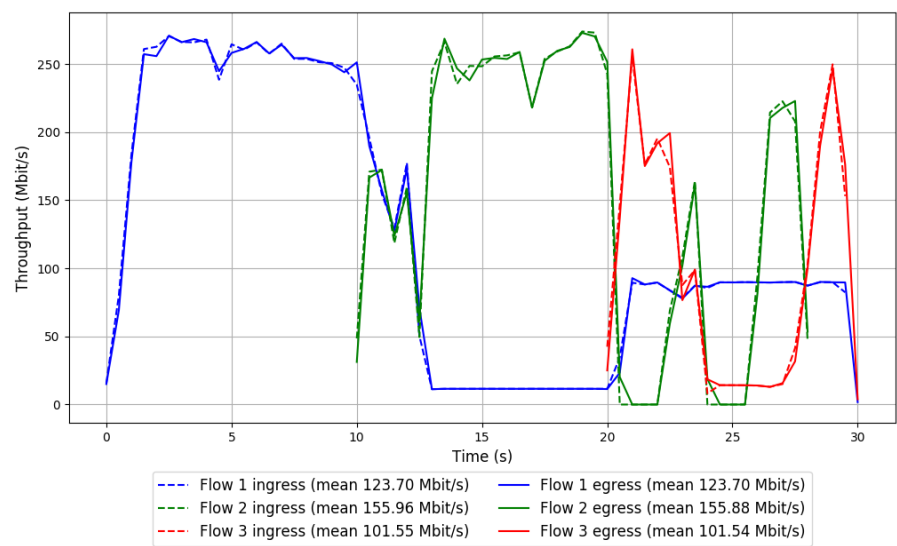


```
Run 5: Statistics of TaoVA-100x

Start at: 2018-01-31 20:12:07
End at: 2018-01-31 20:12:37

# Below is generated by plot.py at 2018-02-01 00:19:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 251.56 Mbit/s
95th percentile per-packet one-way delay: 52.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.70 Mbit/s
95th percentile per-packet one-way delay: 50.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 155.88 Mbit/s
95th percentile per-packet one-way delay: 52.827 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 101.54 Mbit/s
95th percentile per-packet one-way delay: 54.329 ms
Loss rate: 0.01%
```


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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-31 20:27:56

End at: 2018-01-31 20:28:26

Below is generated by plot.py at 2018-02-01 00:19:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 218.72 Mbit/s

95th percentile per-packet one-way delay: 52.050 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 144.30 Mbit/s

95th percentile per-packet one-way delay: 51.485 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 54.762 ms

Loss rate: 0.00%

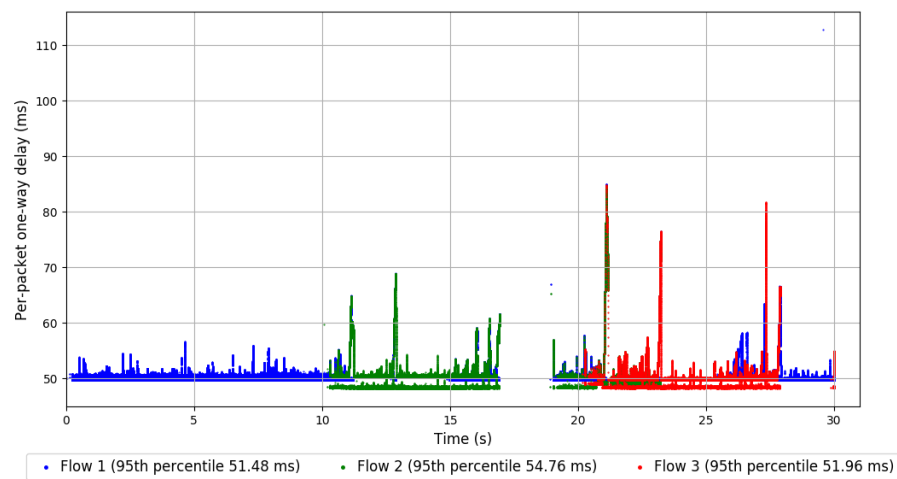
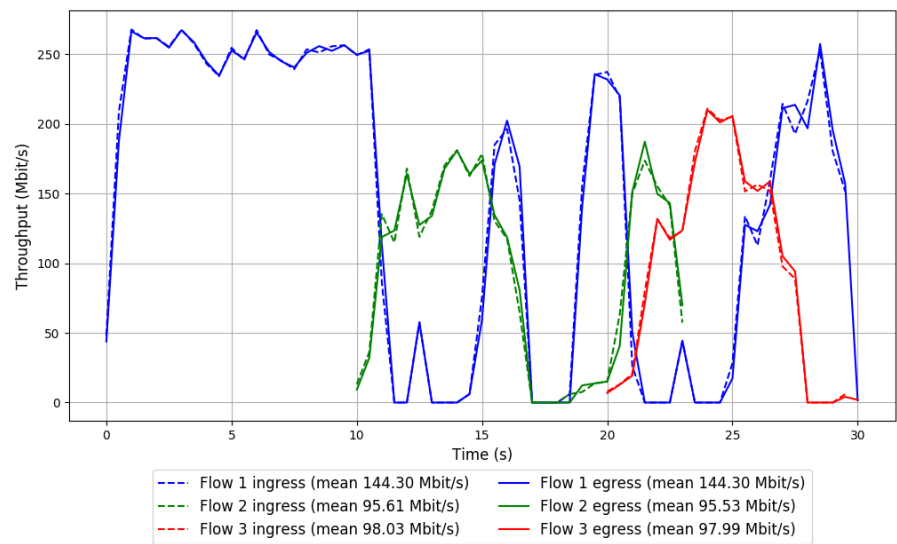
-- Flow 3:

Average throughput: 97.99 Mbit/s

95th percentile per-packet one-way delay: 51.959 ms

Loss rate: 0.00%

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

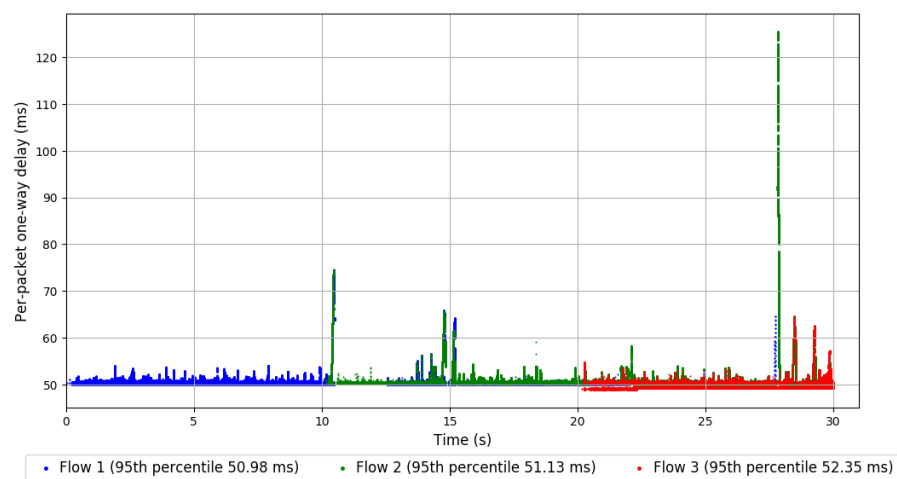
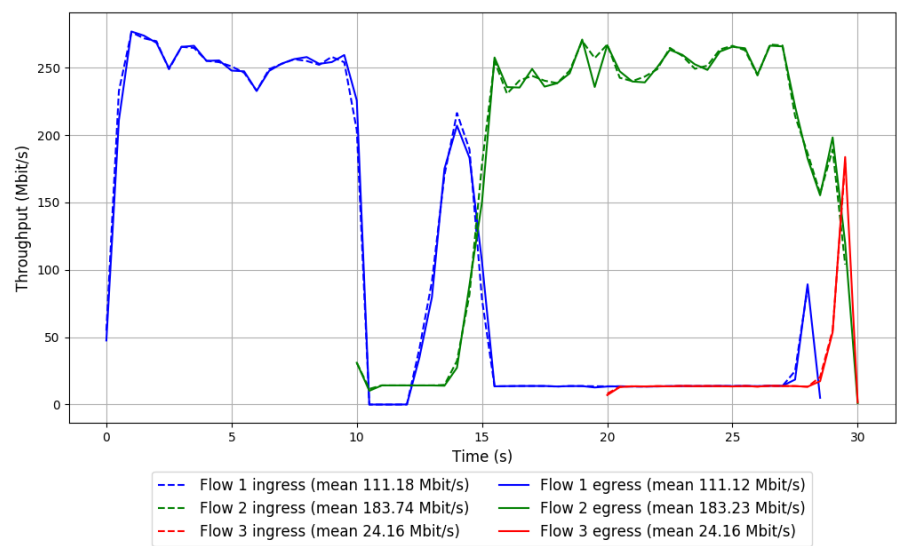


```
Run 7: Statistics of TaoVA-100x

Start at: 2018-01-31 20:43:15
End at: 2018-01-31 20:43:45

# Below is generated by plot.py at 2018-02-01 00:19:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 235.61 Mbit/s
95th percentile per-packet one-way delay: 51.088 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 111.12 Mbit/s
95th percentile per-packet one-way delay: 50.980 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 183.23 Mbit/s
95th percentile per-packet one-way delay: 51.135 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 52.349 ms
Loss rate: 0.00%
```

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

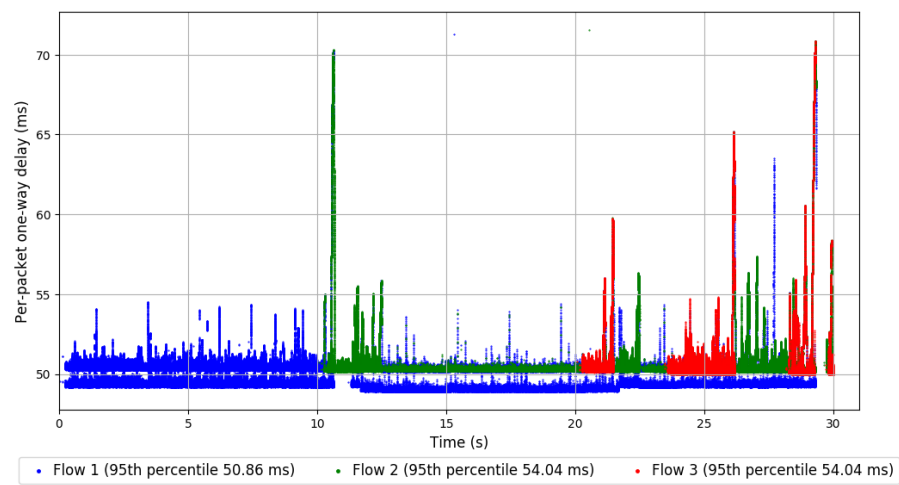
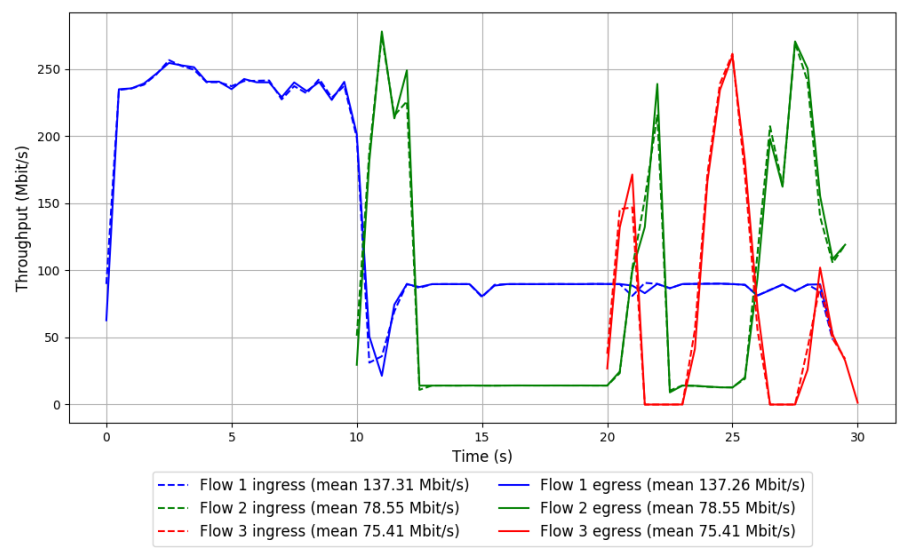


```
Run 8: Statistics of TaoVA-100x

Start at: 2018-01-31 20:58:25
End at: 2018-01-31 20:58:55

# Below is generated by plot.py at 2018-02-01 00:19:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 211.34 Mbit/s
95th percentile per-packet one-way delay: 52.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 137.26 Mbit/s
95th percentile per-packet one-way delay: 50.862 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 54.043 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.41 Mbit/s
95th percentile per-packet one-way delay: 54.044 ms
Loss rate: 0.01%
```

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

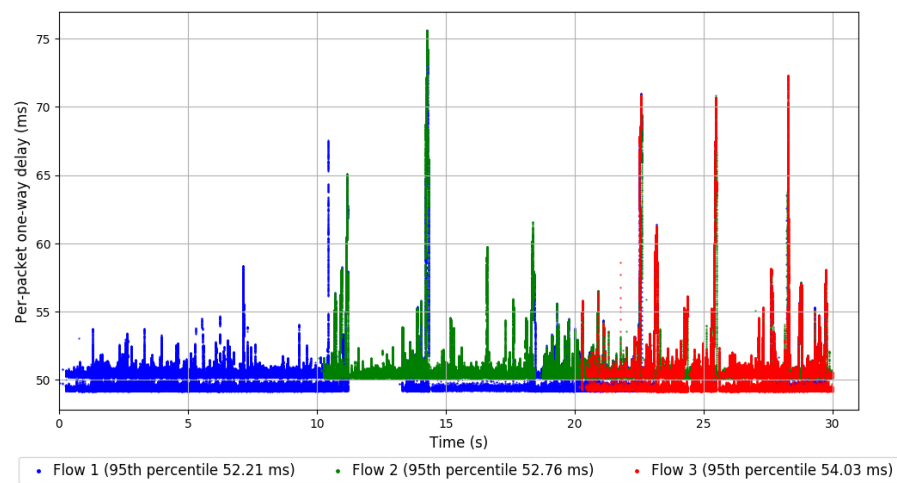
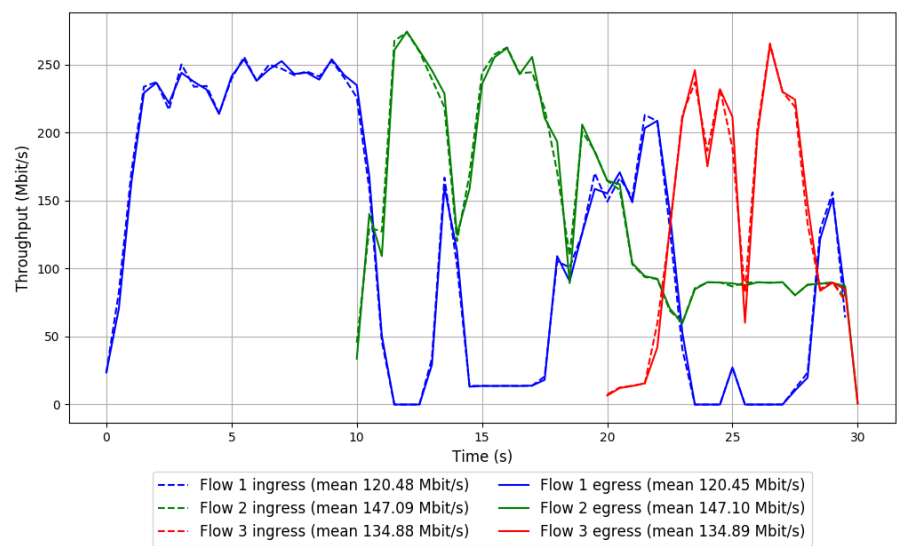


```
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-31 21:13:27
End at: 2018-01-31 21:13:57

# Below is generated by plot.py at 2018-02-01 00:26:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 262.14 Mbit/s
95th percentile per-packet one-way delay: 52.717 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.45 Mbit/s
95th percentile per-packet one-way delay: 52.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.10 Mbit/s
95th percentile per-packet one-way delay: 52.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.89 Mbit/s
95th percentile per-packet one-way delay: 54.035 ms
Loss rate: 0.00%
```


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

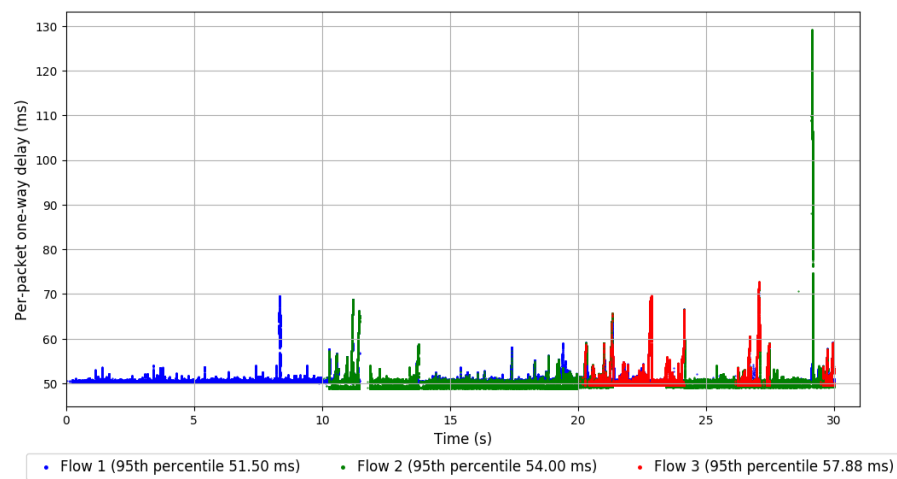
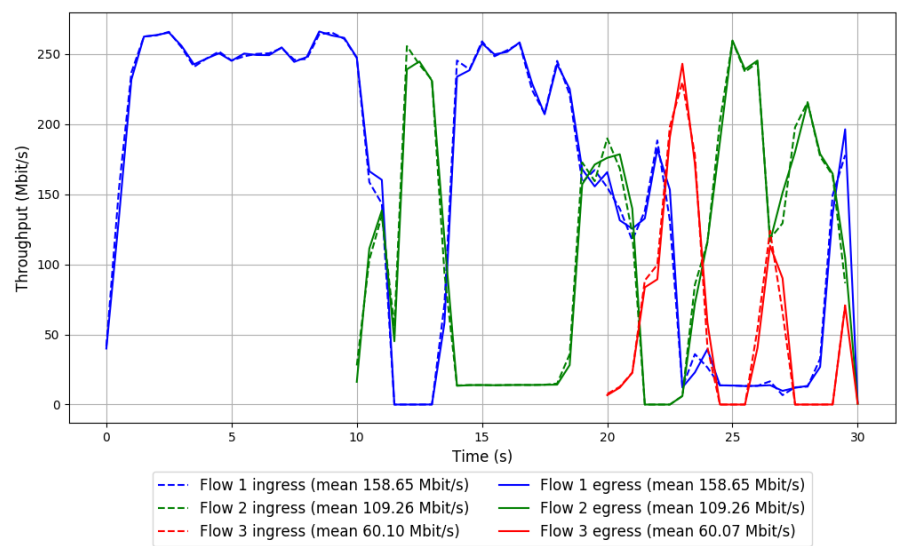


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-31 21:28:47
End at: 2018-01-31 21:29:17

# Below is generated by plot.py at 2018-02-01 00:26:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 251.30 Mbit/s
95th percentile per-packet one-way delay: 52.809 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 158.65 Mbit/s
95th percentile per-packet one-way delay: 51.499 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 109.26 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 60.07 Mbit/s
95th percentile per-packet one-way delay: 57.884 ms
Loss rate: 0.03%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-31 19:16:32

End at: 2018-01-31 19:17:02

Below is generated by plot.py at 2018-02-01 00:26:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.98 Mbit/s

95th percentile per-packet one-way delay: 68.212 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 69.58 Mbit/s

95th percentile per-packet one-way delay: 62.673 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 192.34 Mbit/s

95th percentile per-packet one-way delay: 69.691 ms

Loss rate: 0.00%

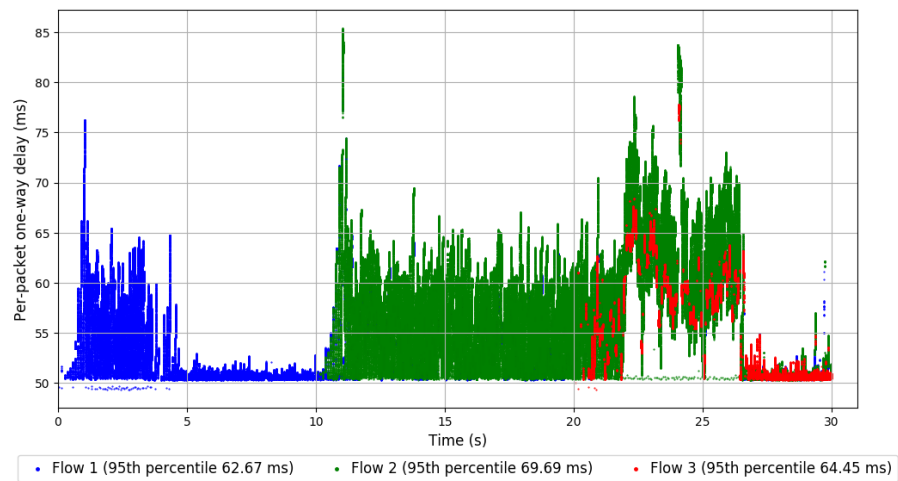
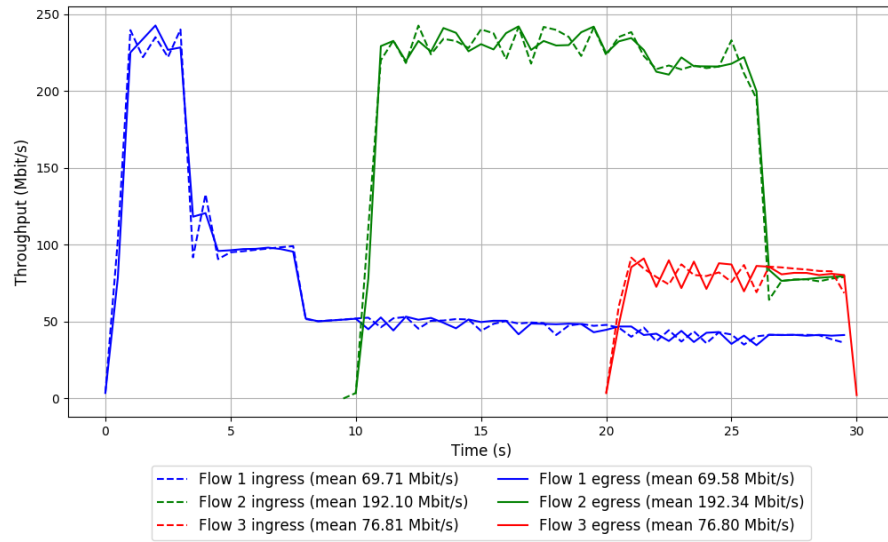
-- Flow 3:

Average throughput: 76.80 Mbit/s

95th percentile per-packet one-way delay: 64.447 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-31 19:32:44

End at: 2018-01-31 19:33:14

Below is generated by plot.py at 2018-02-01 00:26:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.72 Mbit/s

95th percentile per-packet one-way delay: 55.423 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 59.292 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 151.48 Mbit/s

95th percentile per-packet one-way delay: 52.190 ms

Loss rate: 0.01%

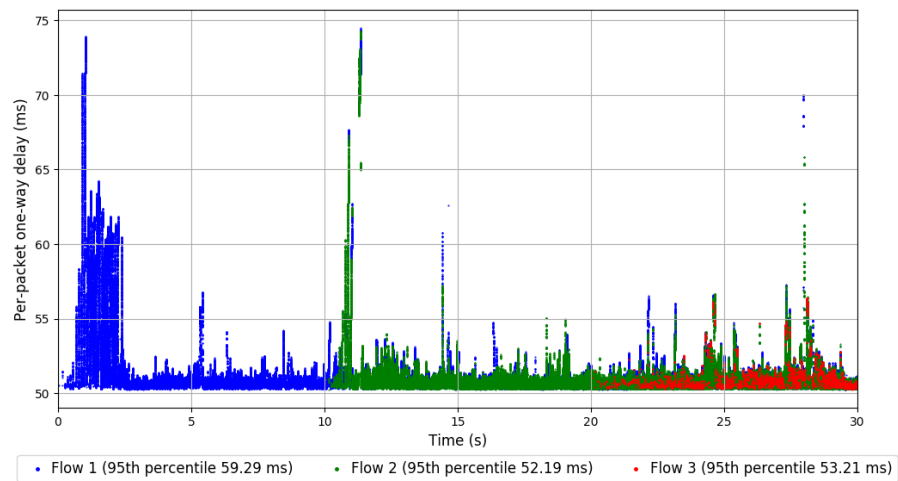
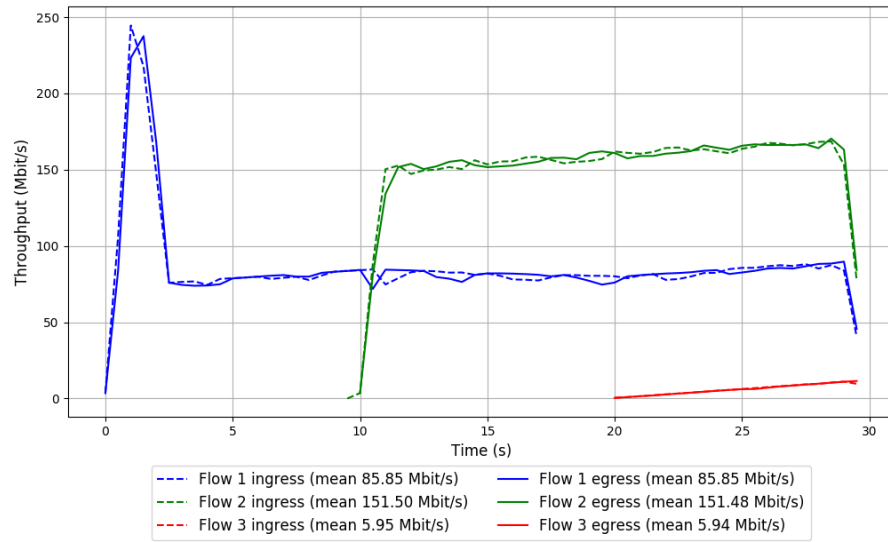
-- Flow 3:

Average throughput: 5.94 Mbit/s

95th percentile per-packet one-way delay: 53.213 ms

Loss rate: 0.16%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-31 19:49:00

End at: 2018-01-31 19:49:30

Below is generated by plot.py at 2018-02-01 00:26:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.49 Mbit/s

95th percentile per-packet one-way delay: 51.890 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 117.39 Mbit/s

95th percentile per-packet one-way delay: 51.946 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 51.822 ms

Loss rate: 0.00%

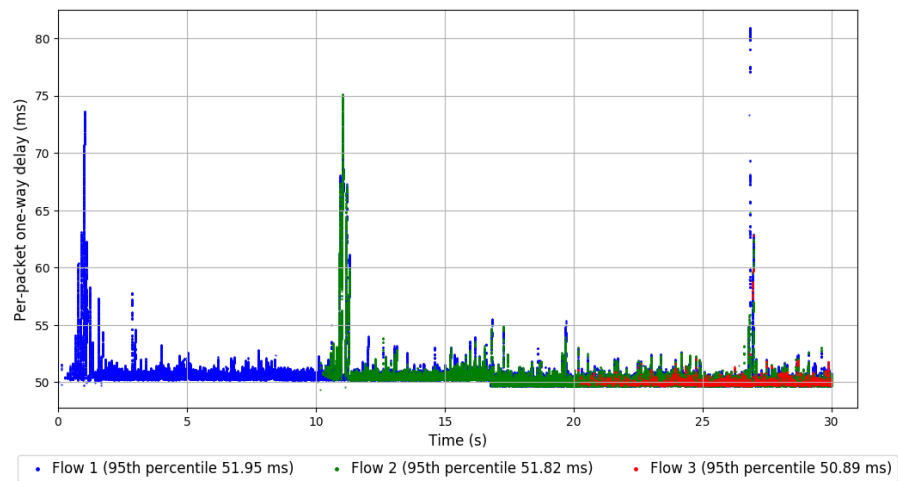
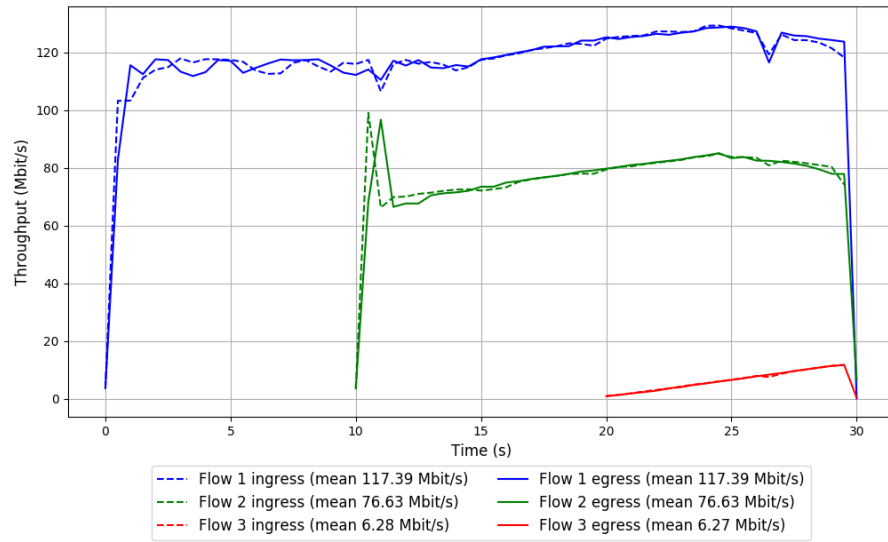
-- Flow 3:

Average throughput: 6.27 Mbit/s

95th percentile per-packet one-way delay: 50.892 ms

Loss rate: 0.08%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-31 20:04:55

End at: 2018-01-31 20:05:25

Below is generated by plot.py at 2018-02-01 00:26:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 160.96 Mbit/s

95th percentile per-packet one-way delay: 61.705 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 21.76 Mbit/s

95th percentile per-packet one-way delay: 57.760 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 206.55 Mbit/s

95th percentile per-packet one-way delay: 61.947 ms

Loss rate: 0.00%

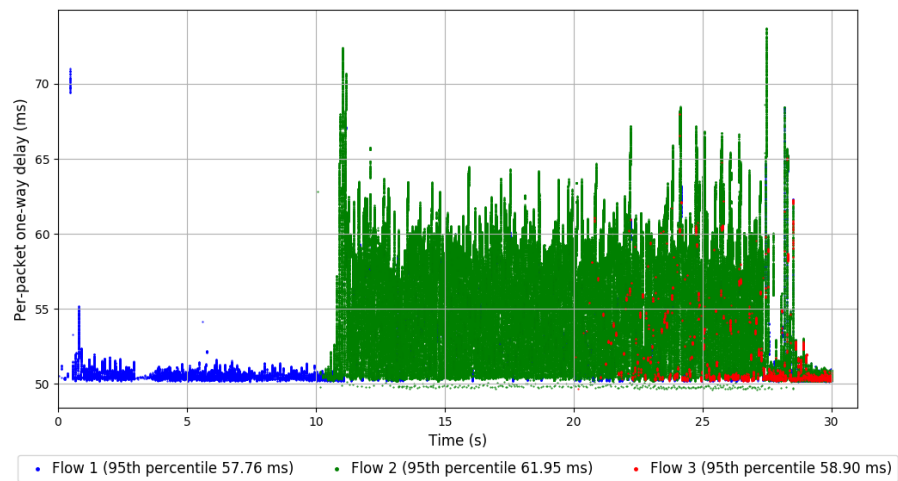
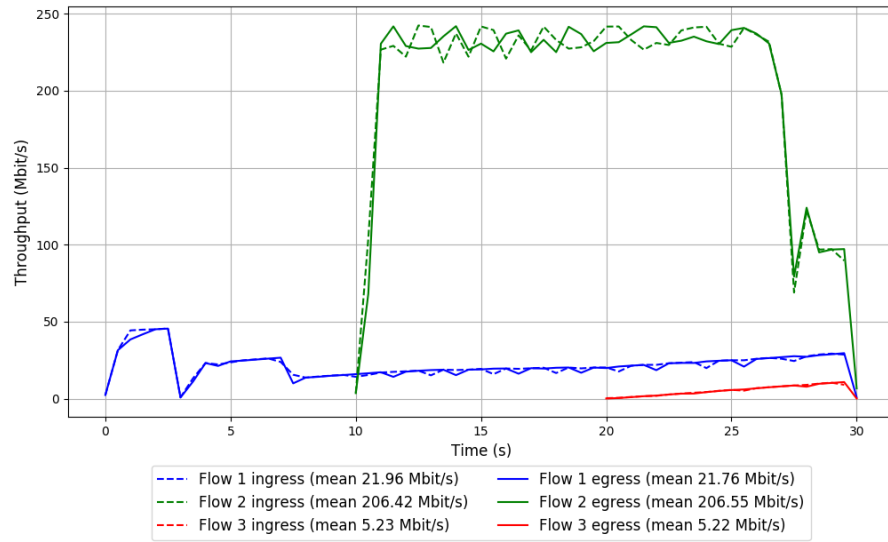
-- Flow 3:

Average throughput: 5.22 Mbit/s

95th percentile per-packet one-way delay: 58.902 ms

Loss rate: 0.23%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-31 20:20:48

End at: 2018-01-31 20:21:18

Below is generated by plot.py at 2018-02-01 00:26:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 182.14 Mbit/s

95th percentile per-packet one-way delay: 76.365 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 77.62 Mbit/s

95th percentile per-packet one-way delay: 66.039 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 75.39 Mbit/s

95th percentile per-packet one-way delay: 73.986 ms

Loss rate: 0.00%

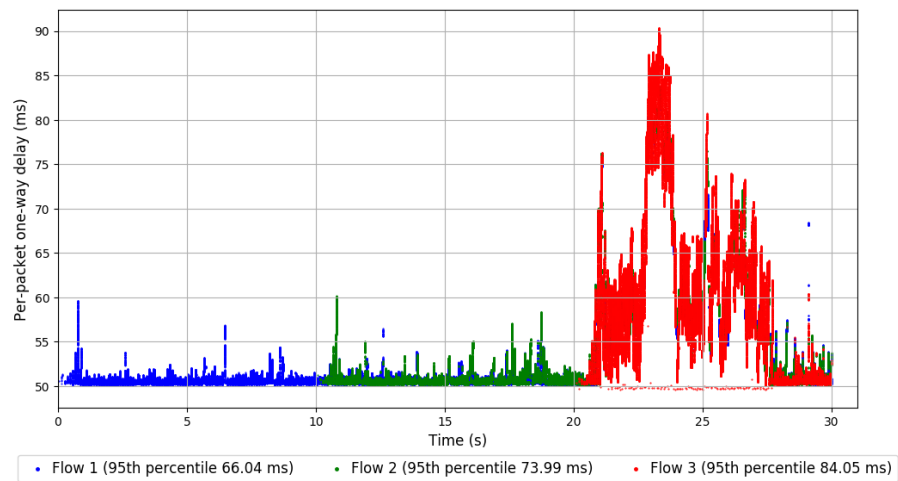
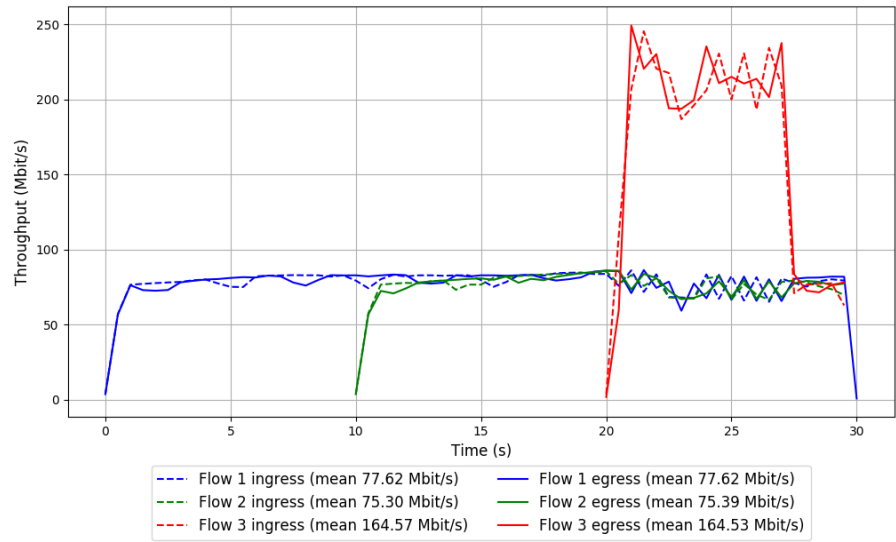
-- Flow 3:

Average throughput: 164.53 Mbit/s

95th percentile per-packet one-way delay: 84.047 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-31 20:36:53

End at: 2018-01-31 20:37:23

Below is generated by plot.py at 2018-02-01 00:26:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 209.38 Mbit/s

95th percentile per-packet one-way delay: 61.598 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 119.17 Mbit/s

95th percentile per-packet one-way delay: 61.594 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 62.554 ms

Loss rate: 0.00%

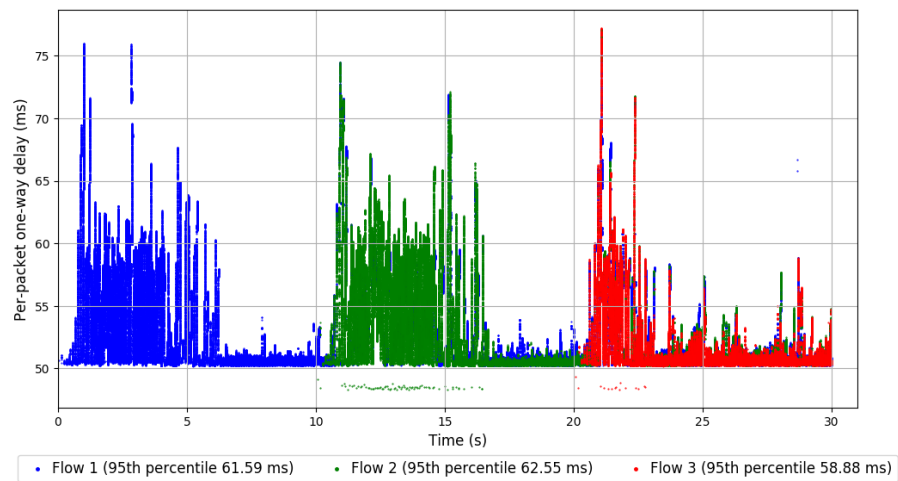
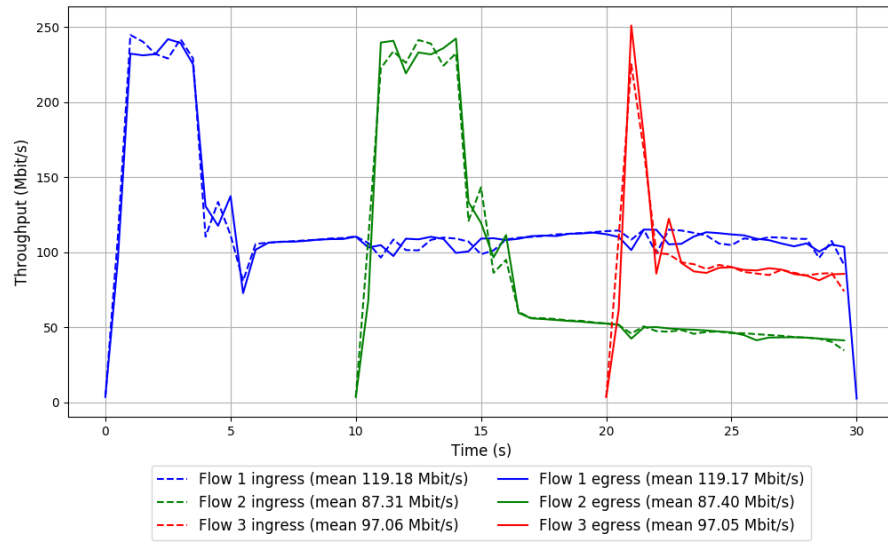
-- Flow 3:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 58.883 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-31 20:51:58

End at: 2018-01-31 20:52:28

Below is generated by plot.py at 2018-02-01 00:27:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.88 Mbit/s

95th percentile per-packet one-way delay: 64.965 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 82.07 Mbit/s

95th percentile per-packet one-way delay: 63.162 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 219.60 Mbit/s

95th percentile per-packet one-way delay: 65.887 ms

Loss rate: 0.12%

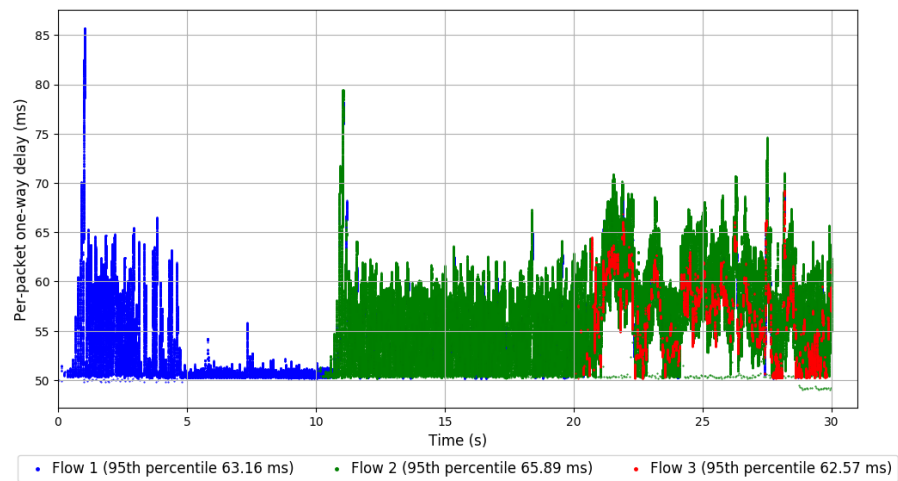
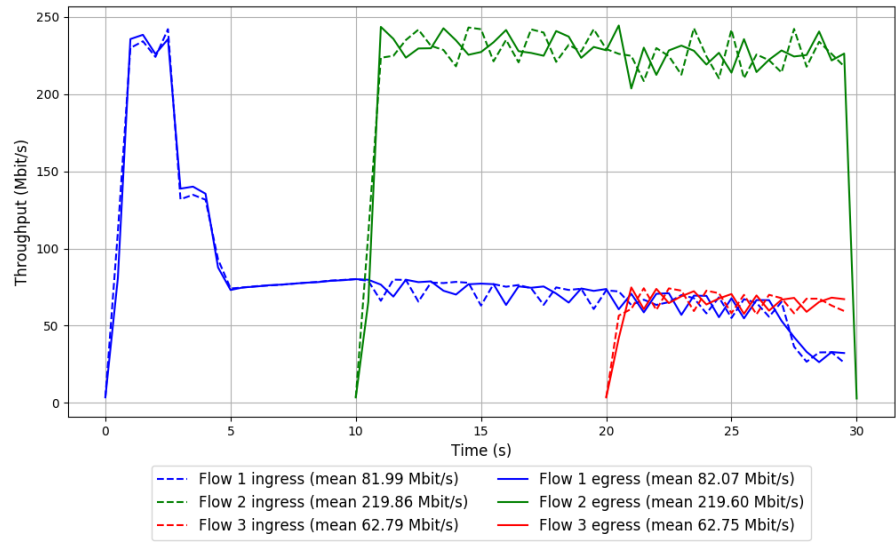
-- Flow 3:

Average throughput: 62.75 Mbit/s

95th percentile per-packet one-way delay: 62.569 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-31 21:07:01

End at: 2018-01-31 21:07:31

Below is generated by plot.py at 2018-02-01 00:27:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 129.54 Mbit/s

95th percentile per-packet one-way delay: 63.833 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 19.31 Mbit/s

95th percentile per-packet one-way delay: 58.241 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 78.58 Mbit/s

95th percentile per-packet one-way delay: 59.414 ms

Loss rate: 0.00%

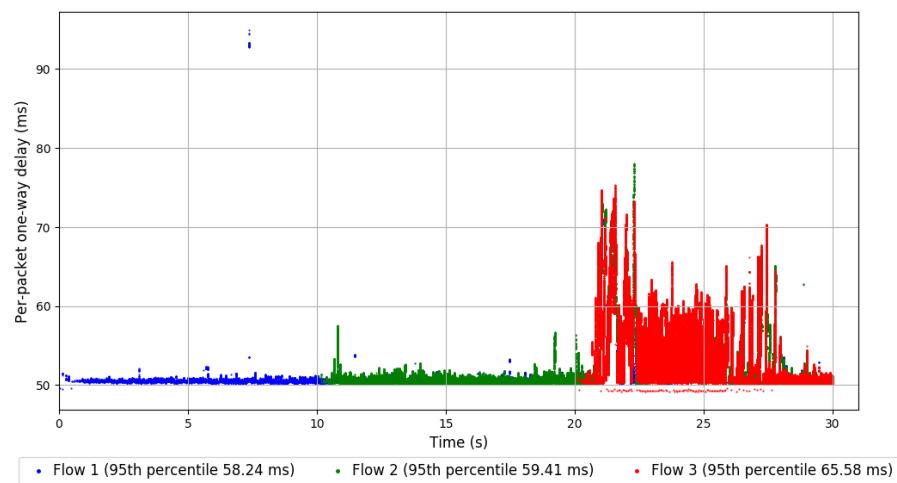
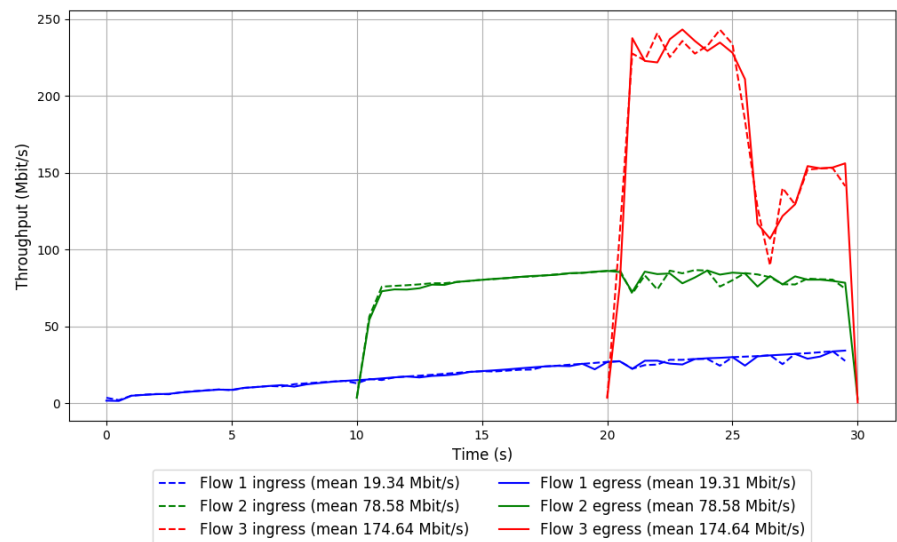
-- Flow 3:

Average throughput: 174.64 Mbit/s

95th percentile per-packet one-way delay: 65.575 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-31 21:22:19

End at: 2018-01-31 21:22:49

Below is generated by plot.py at 2018-02-01 00:27:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 152.43 Mbit/s

95th percentile per-packet one-way delay: 66.177 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 60.649 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 65.11 Mbit/s

95th percentile per-packet one-way delay: 62.656 ms

Loss rate: 0.01%

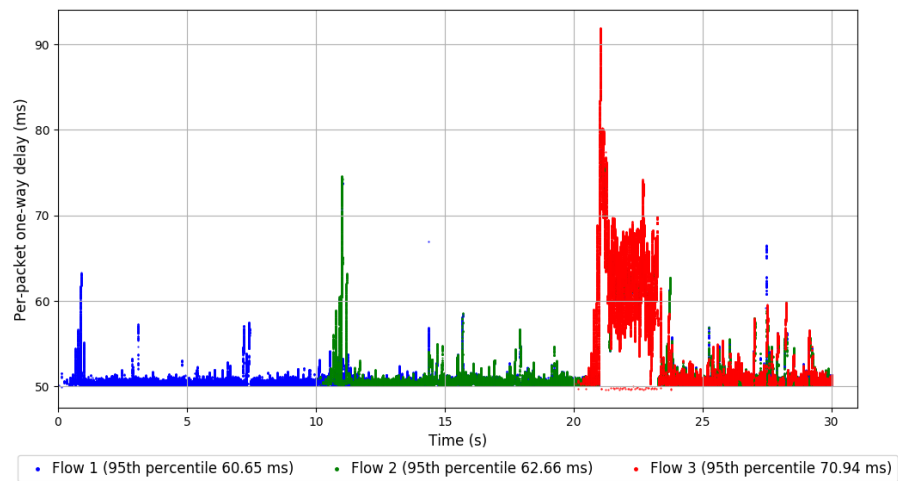
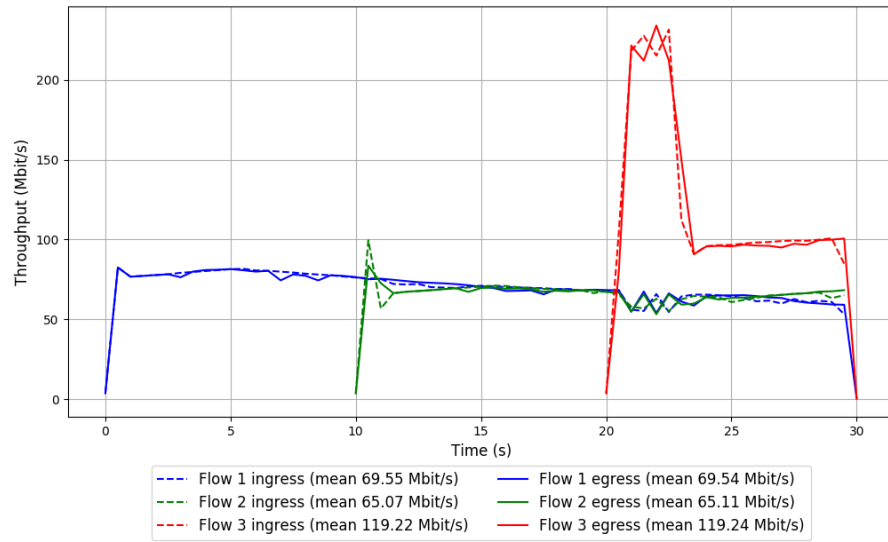
-- Flow 3:

Average throughput: 119.24 Mbit/s

95th percentile per-packet one-way delay: 70.939 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-31 21:37:33

End at: 2018-01-31 21:38:03

Below is generated by plot.py at 2018-02-01 00:27:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 177.37 Mbit/s

95th percentile per-packet one-way delay: 60.298 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 57.50 Mbit/s

95th percentile per-packet one-way delay: 54.715 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 142.08 Mbit/s

95th percentile per-packet one-way delay: 61.995 ms

Loss rate: 0.00%

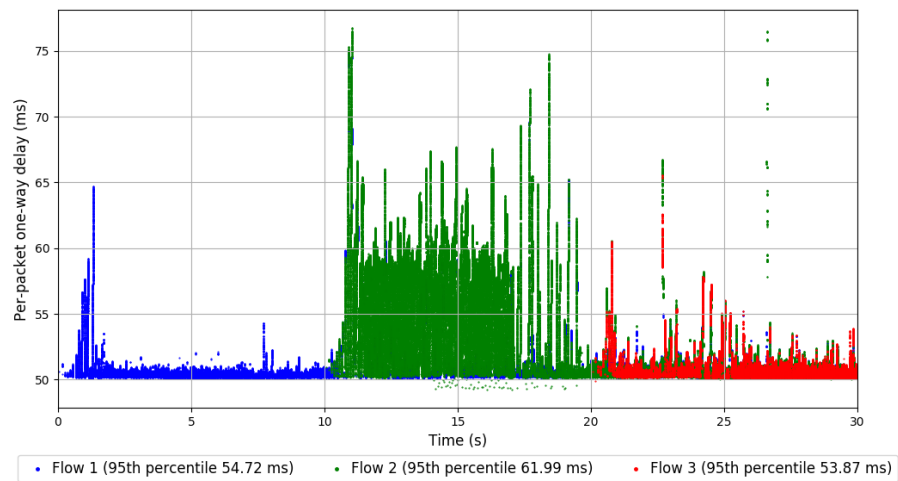
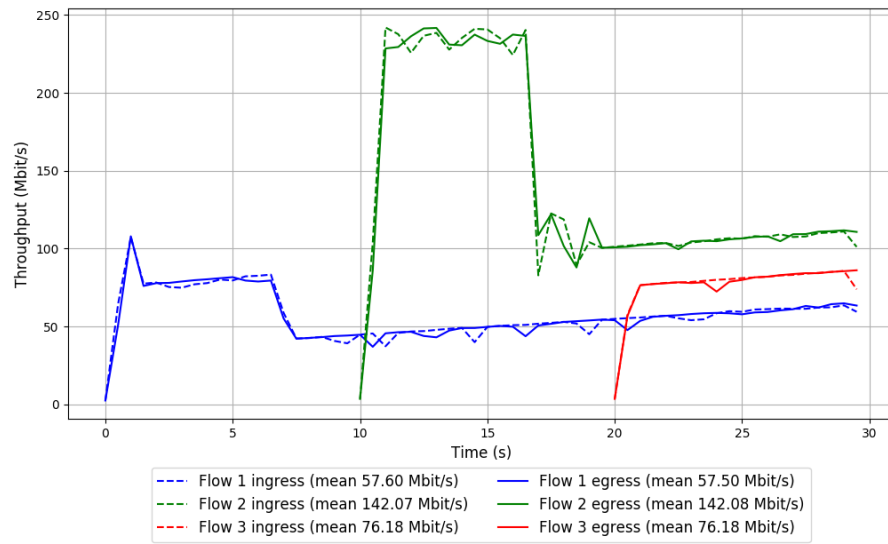
-- Flow 3:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 53.868 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

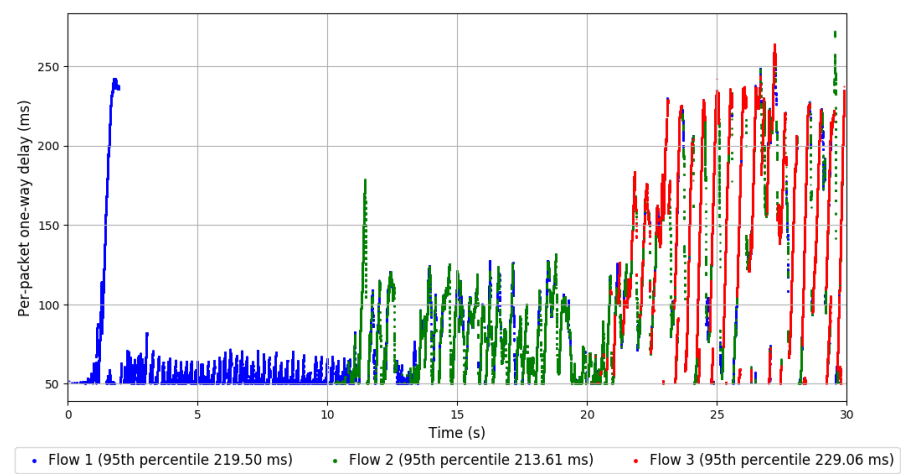
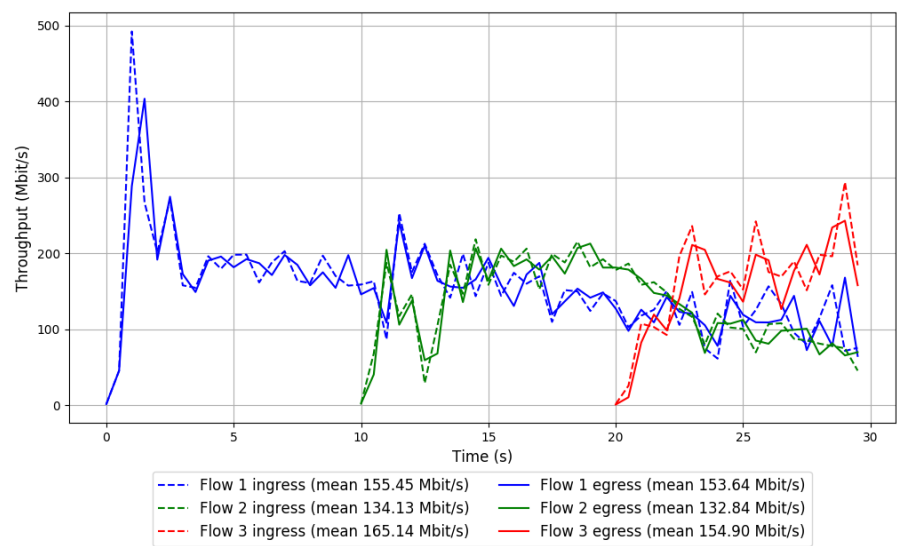


```
Run 1: Statistics of Verus

Start at: 2018-01-31 19:12:26
End at: 2018-01-31 19:12:56

# Below is generated by plot.py at 2018-02-01 00:28:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 292.75 Mbit/s
95th percentile per-packet one-way delay: 223.321 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 153.64 Mbit/s
95th percentile per-packet one-way delay: 219.495 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 132.84 Mbit/s
95th percentile per-packet one-way delay: 213.610 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 154.90 Mbit/s
95th percentile per-packet one-way delay: 229.063 ms
Loss rate: 5.08%
```


Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-31 19:28:37

End at: 2018-01-31 19:29:07

Below is generated by plot.py at 2018-02-01 00:28:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.14 Mbit/s

95th percentile per-packet one-way delay: 137.654 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 147.55 Mbit/s

95th percentile per-packet one-way delay: 138.499 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 139.28 Mbit/s

95th percentile per-packet one-way delay: 131.932 ms

Loss rate: 0.34%

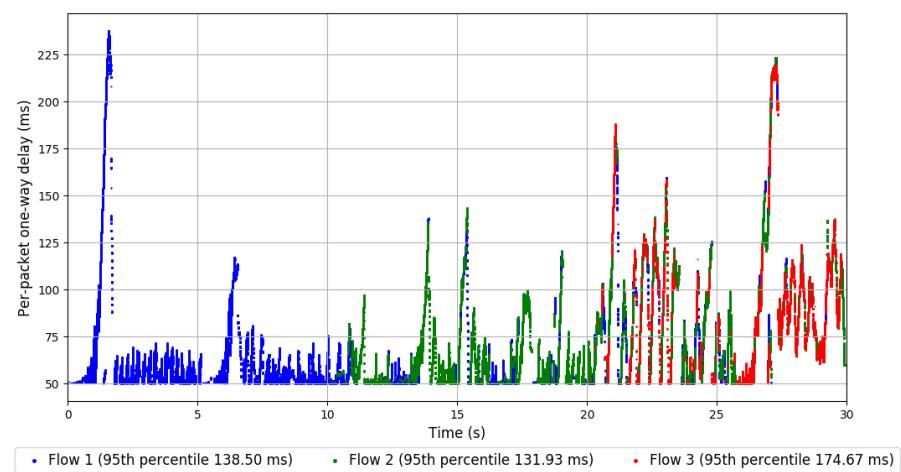
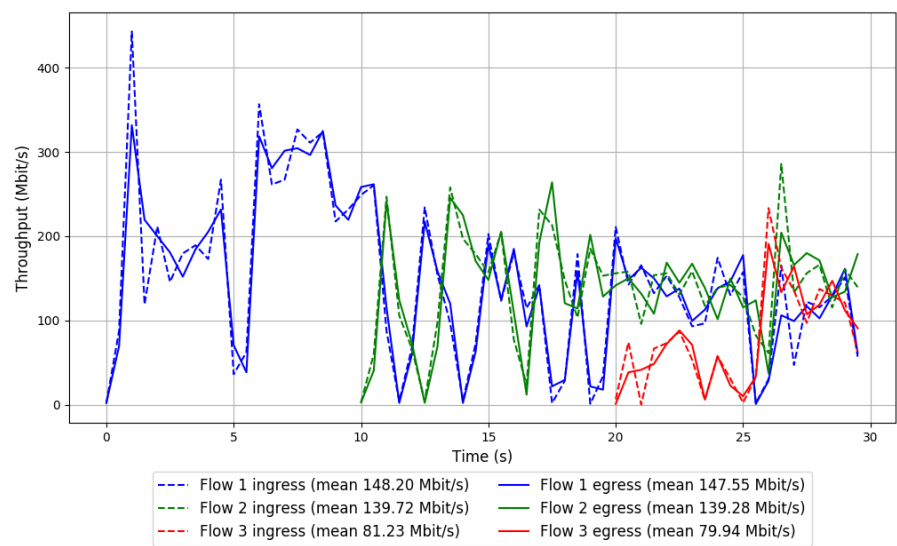
-- Flow 3:

Average throughput: 79.94 Mbit/s

95th percentile per-packet one-way delay: 174.674 ms

Loss rate: 0.95%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-31 19:44:48

End at: 2018-01-31 19:45:18

Below is generated by plot.py at 2018-02-01 00:31:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 305.90 Mbit/s

95th percentile per-packet one-way delay: 205.513 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 198.94 Mbit/s

95th percentile per-packet one-way delay: 188.435 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 132.74 Mbit/s

95th percentile per-packet one-way delay: 220.013 ms

Loss rate: 1.11%

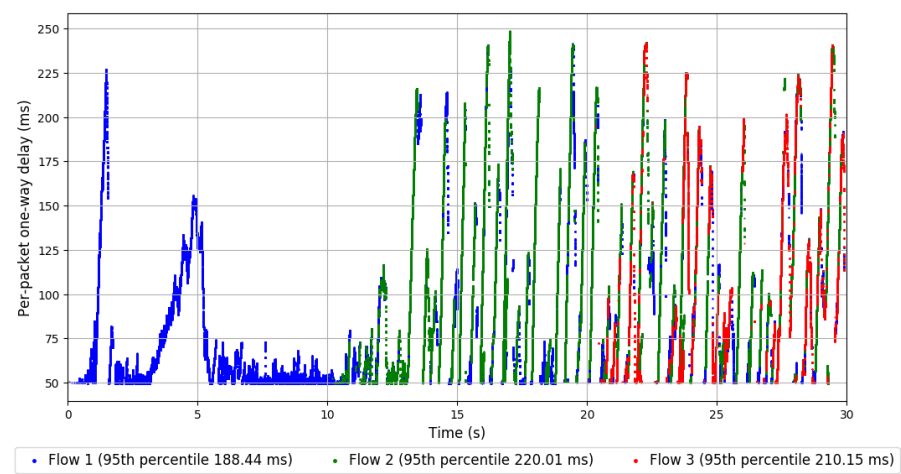
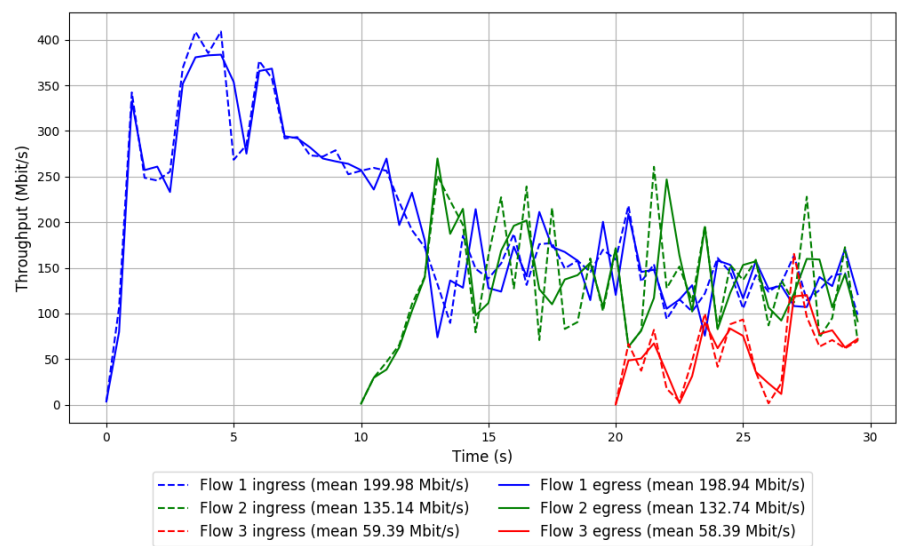
-- Flow 3:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 210.150 ms

Loss rate: 1.58%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-31 20:00:51

End at: 2018-01-31 20:01:21

Below is generated by plot.py at 2018-02-01 00:31:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.28 Mbit/s

95th percentile per-packet one-way delay: 164.896 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 180.08 Mbit/s

95th percentile per-packet one-way delay: 145.710 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 111.08 Mbit/s

95th percentile per-packet one-way delay: 194.751 ms

Loss rate: 0.44%

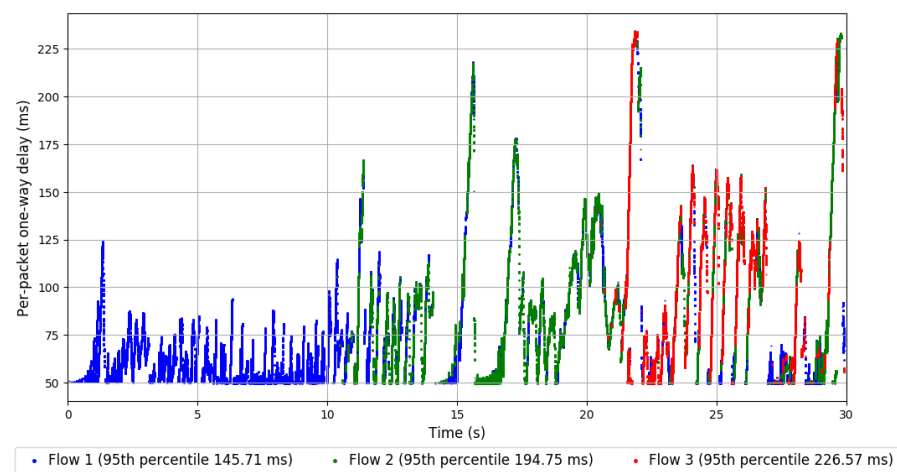
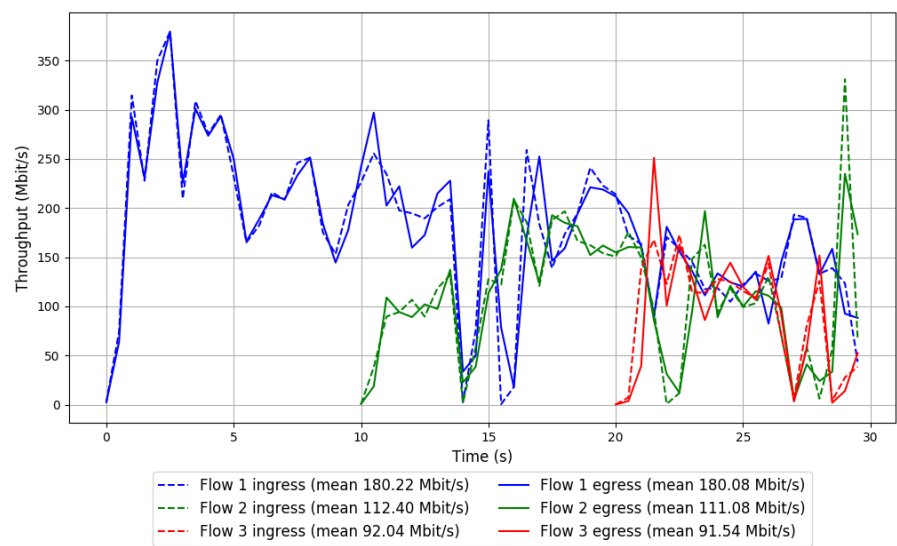
-- Flow 3:

Average throughput: 91.54 Mbit/s

95th percentile per-packet one-way delay: 226.571 ms

Loss rate: 1.20%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-31 20:16:42

End at: 2018-01-31 20:17:12

Below is generated by plot.py at 2018-02-01 00:32:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.55 Mbit/s

95th percentile per-packet one-way delay: 182.162 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 193.85 Mbit/s

95th percentile per-packet one-way delay: 169.809 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 137.86 Mbit/s

95th percentile per-packet one-way delay: 182.251 ms

Loss rate: 0.20%

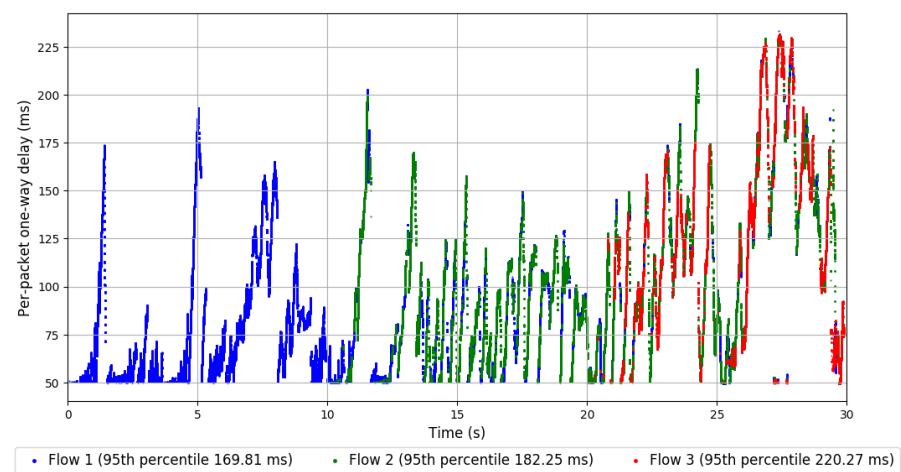
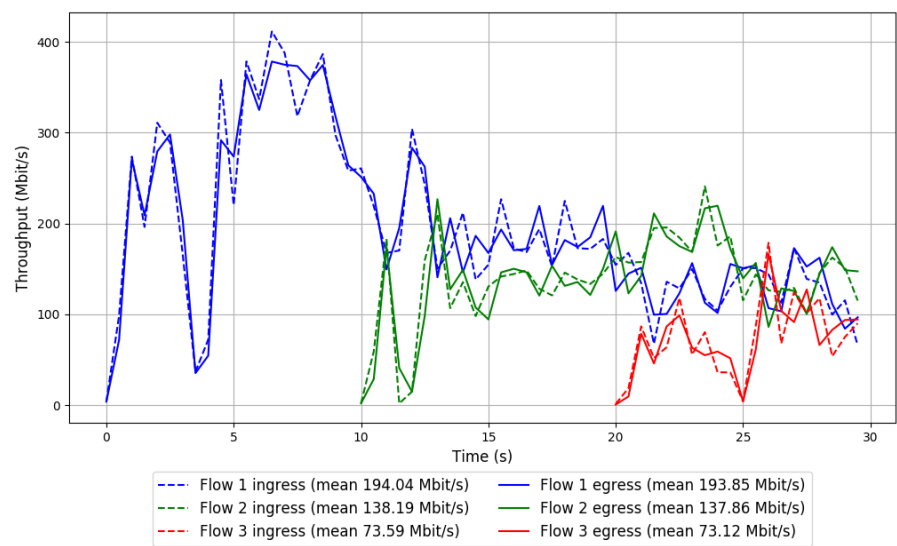
-- Flow 3:

Average throughput: 73.12 Mbit/s

95th percentile per-packet one-way delay: 220.272 ms

Loss rate: 0.61%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-31 20:32:45

End at: 2018-01-31 20:33:15

Below is generated by plot.py at 2018-02-01 00:32:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.81 Mbit/s

95th percentile per-packet one-way delay: 148.501 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 190.55 Mbit/s

95th percentile per-packet one-way delay: 146.510 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 115.91 Mbit/s

95th percentile per-packet one-way delay: 144.418 ms

Loss rate: 0.28%

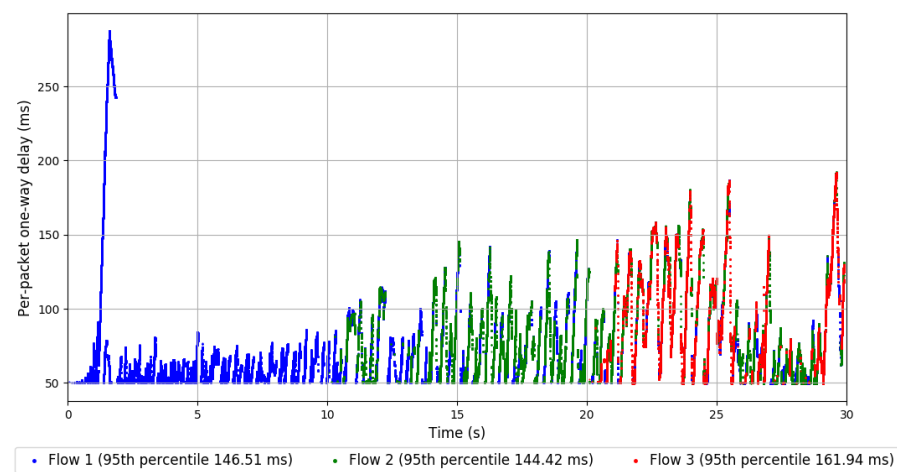
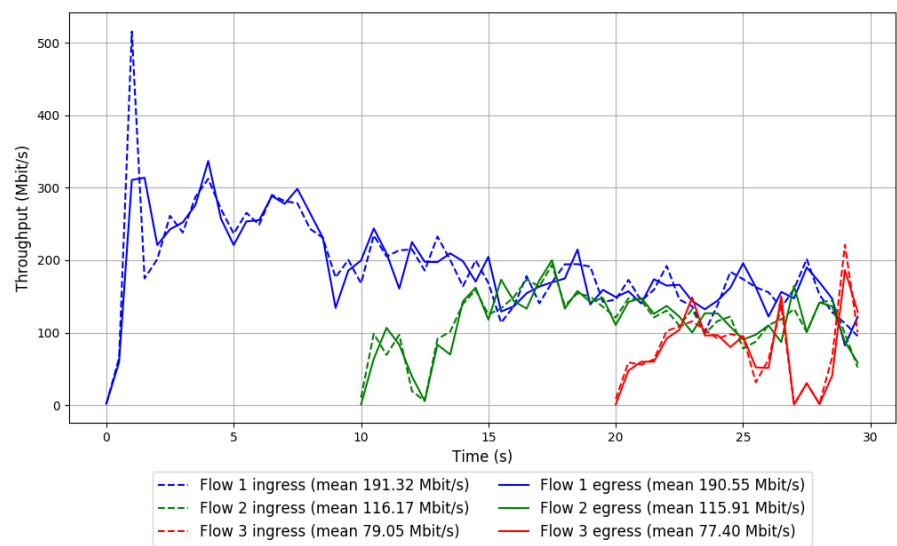
-- Flow 3:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 161.944 ms

Loss rate: 2.10%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-31 20:47:52

End at: 2018-01-31 20:48:22

Below is generated by plot.py at 2018-02-01 00:33:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 297.25 Mbit/s

95th percentile per-packet one-way delay: 164.545 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 179.07 Mbit/s

95th percentile per-packet one-way delay: 155.929 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 126.40 Mbit/s

95th percentile per-packet one-way delay: 165.420 ms

Loss rate: 0.36%

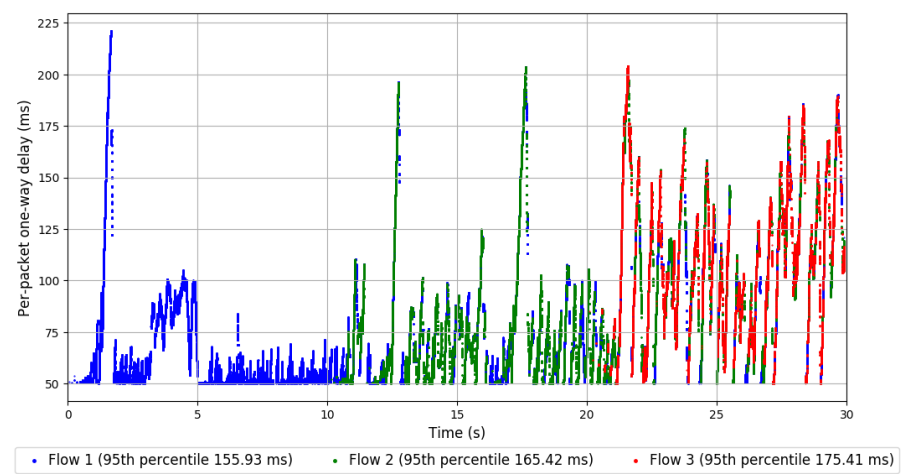
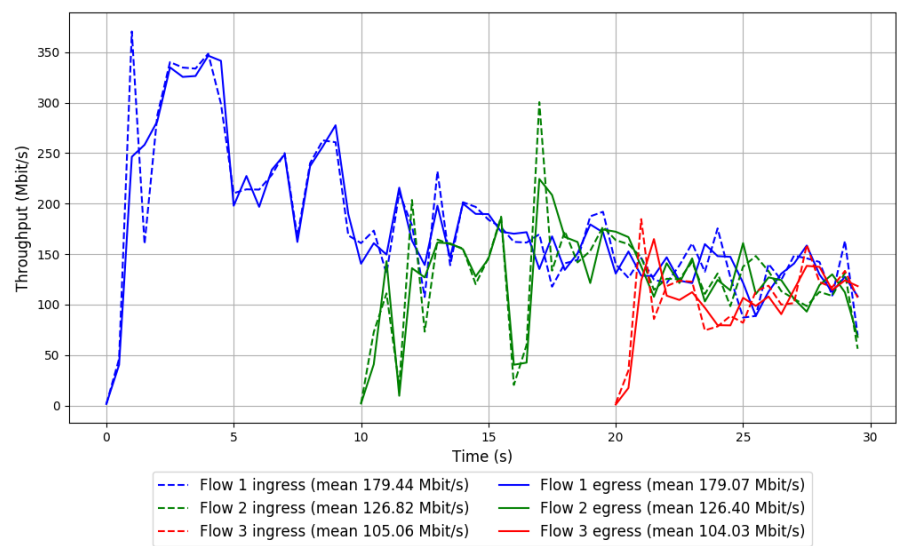
-- Flow 3:

Average throughput: 104.03 Mbit/s

95th percentile per-packet one-way delay: 175.408 ms

Loss rate: 1.34%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-31 21:02:56

End at: 2018-01-31 21:03:26

Below is generated by plot.py at 2018-02-01 00:33:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.95 Mbit/s

95th percentile per-packet one-way delay: 188.045 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 178.64 Mbit/s

95th percentile per-packet one-way delay: 182.626 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 122.14 Mbit/s

95th percentile per-packet one-way delay: 188.679 ms

Loss rate: 0.17%

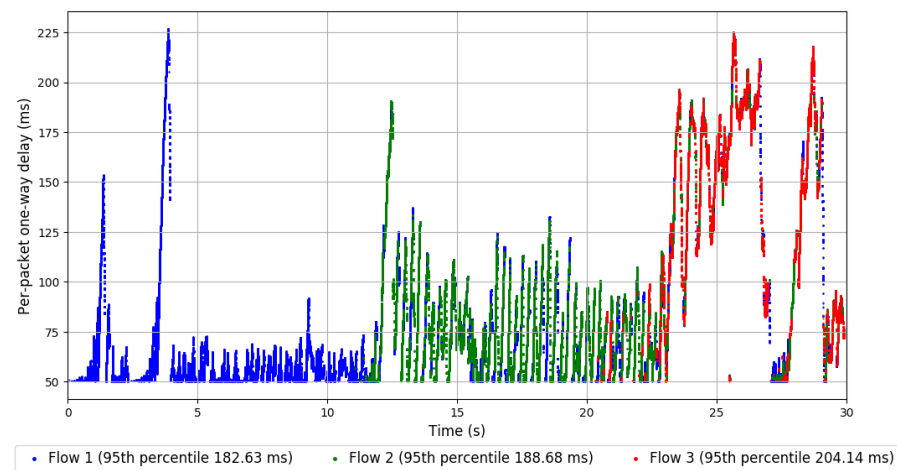
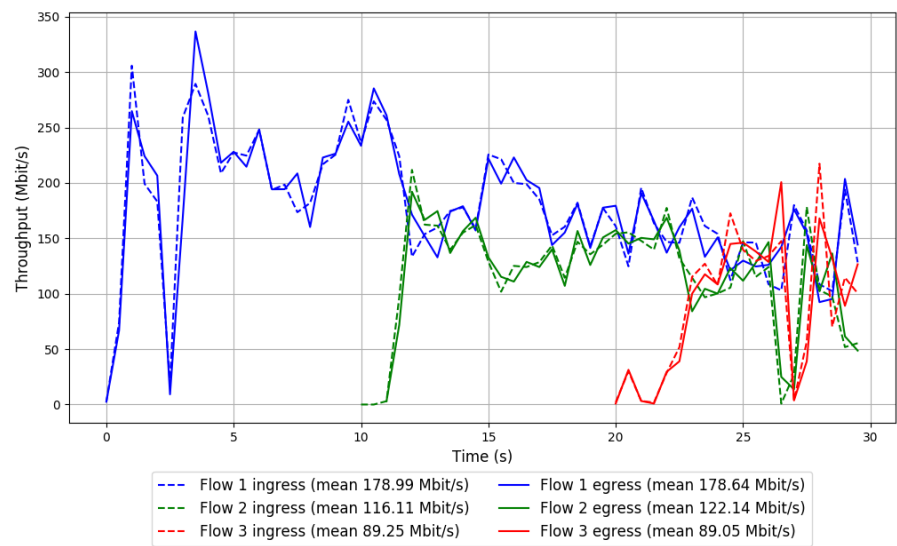
-- Flow 3:

Average throughput: 89.05 Mbit/s

95th percentile per-packet one-way delay: 204.136 ms

Loss rate: 0.36%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-31 21:18:11

End at: 2018-01-31 21:18:41

Below is generated by plot.py at 2018-02-01 00:34:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.23 Mbit/s

95th percentile per-packet one-way delay: 192.533 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 154.03 Mbit/s

95th percentile per-packet one-way delay: 191.641 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 130.03 Mbit/s

95th percentile per-packet one-way delay: 177.601 ms

Loss rate: 0.11%

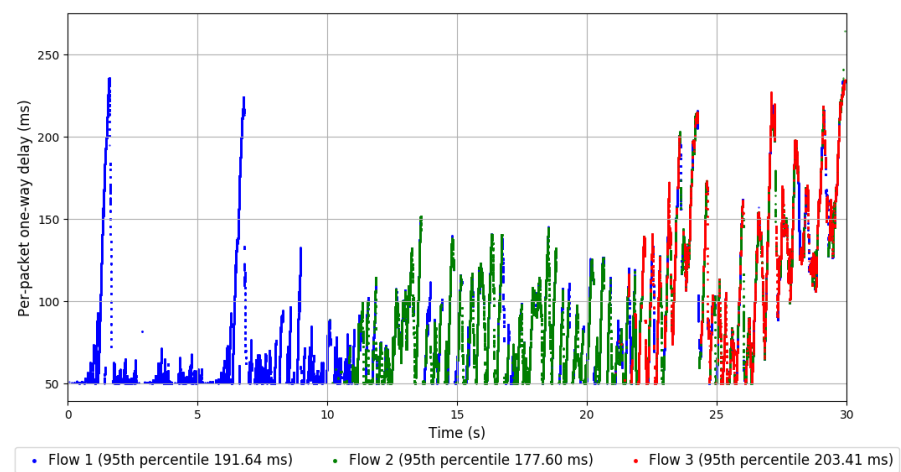
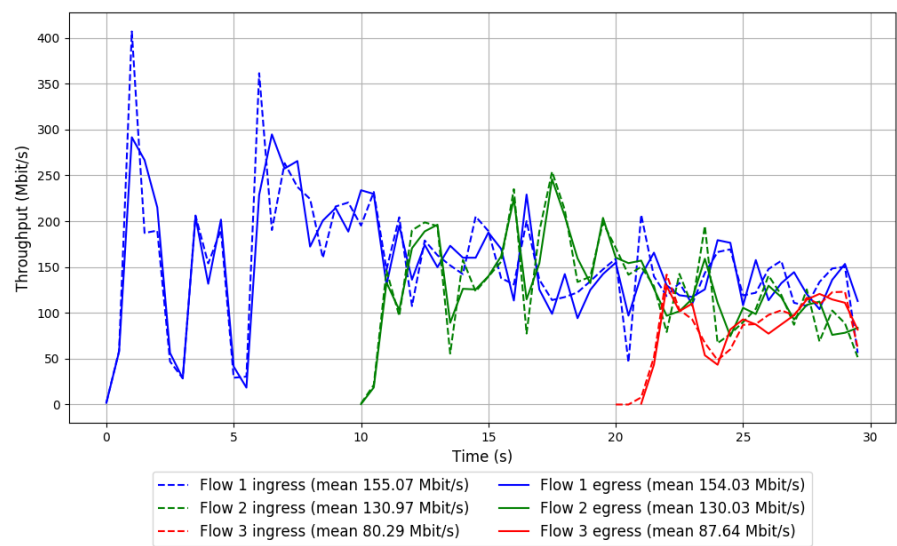
-- Flow 3:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 203.415 ms

Loss rate: 1.90%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-31 21:33:26

End at: 2018-01-31 21:33:56

Below is generated by plot.py at 2018-02-01 00:34:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.50 Mbit/s

95th percentile per-packet one-way delay: 159.265 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 185.74 Mbit/s

95th percentile per-packet one-way delay: 160.214 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 128.68 Mbit/s

95th percentile per-packet one-way delay: 150.132 ms

Loss rate: 0.83%

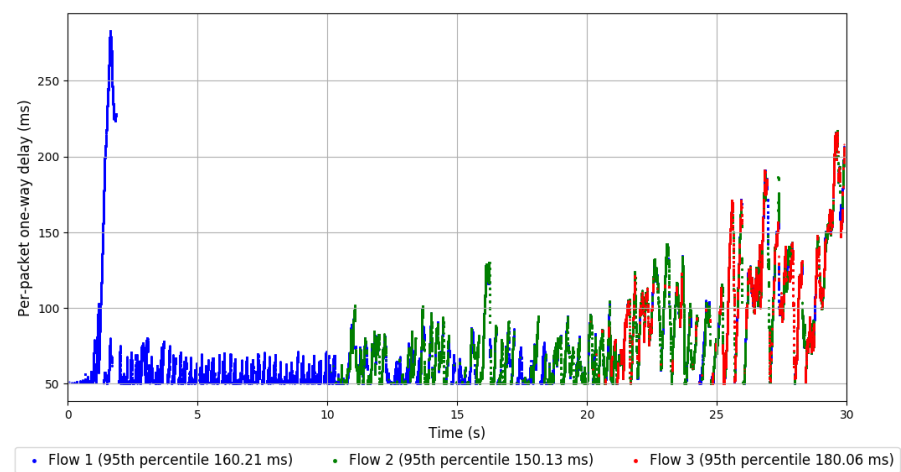
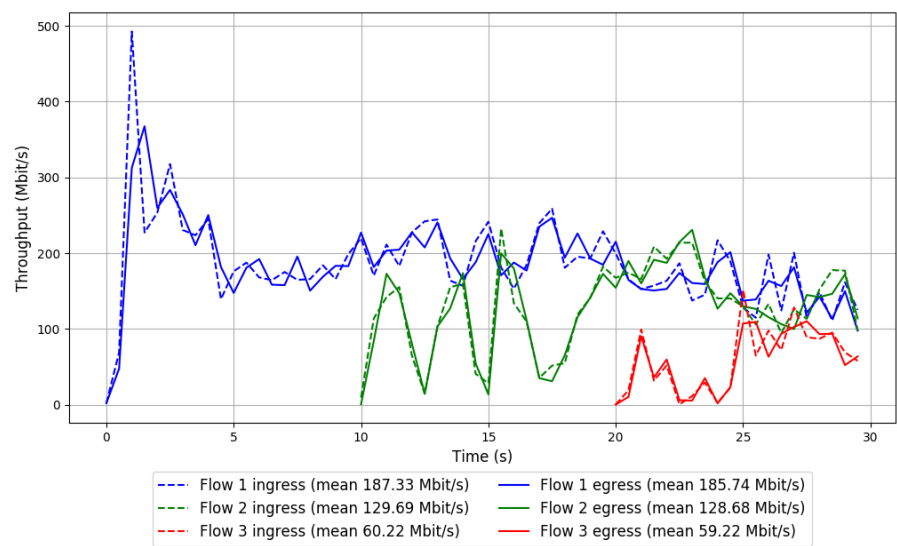
-- Flow 3:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 180.061 ms

Loss rate: 2.06%

Run 10: Report of Verus — Data Link

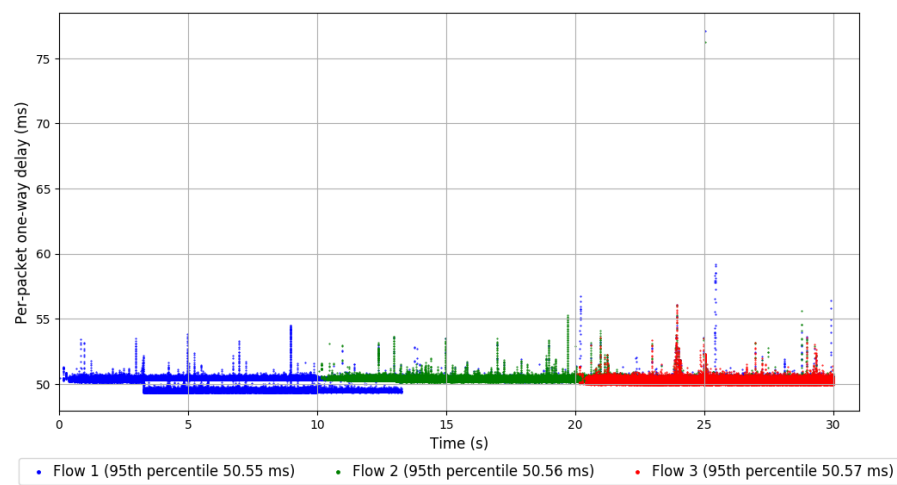
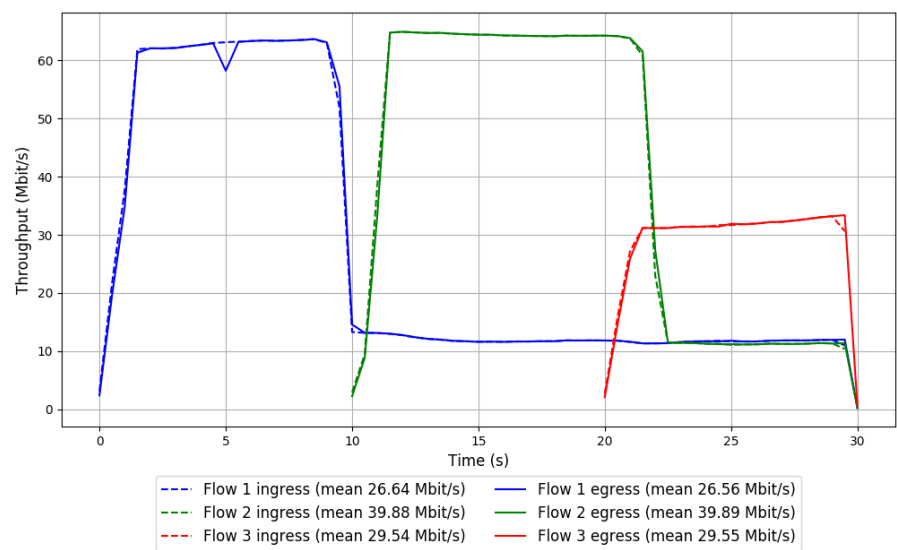


```
Run 1: Statistics of Copa

Start at: 2018-01-31 19:17:24
End at: 2018-01-31 19:17:54

# Below is generated by plot.py at 2018-02-01 00:34:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 50.556 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 50.545 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 50.569 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-31 19:33:34

End at: 2018-01-31 19:34:04

Below is generated by plot.py at 2018-02-01 00:34:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 50.548 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.68 Mbit/s

95th percentile per-packet one-way delay: 50.547 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 50.554 ms

Loss rate: 0.00%

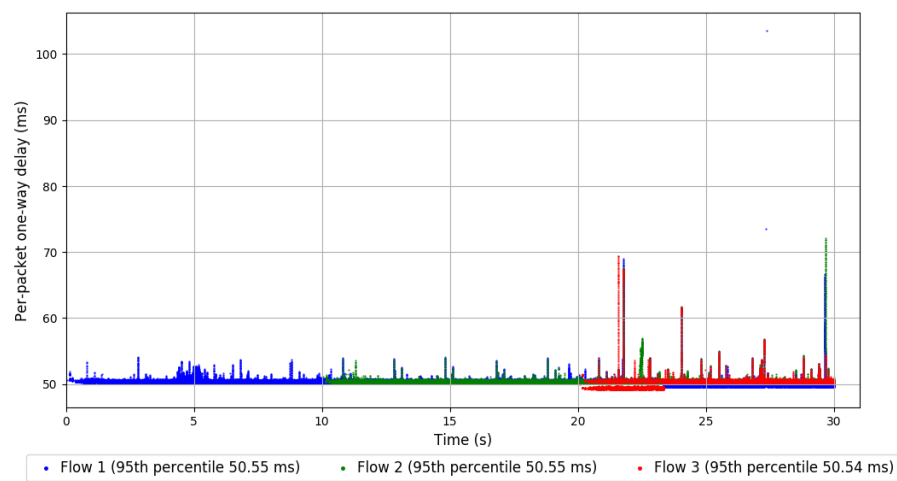
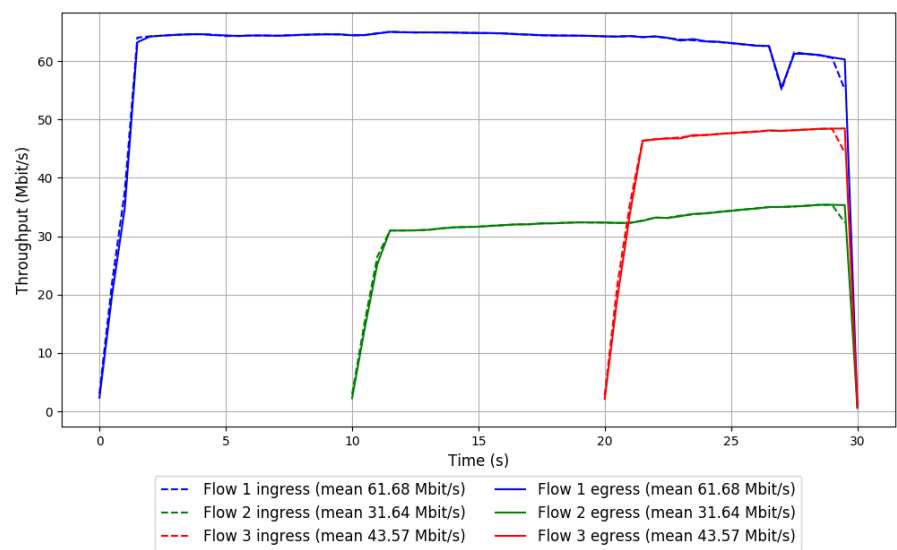
-- Flow 3:

Average throughput: 43.57 Mbit/s

95th percentile per-packet one-way delay: 50.542 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-31 19:49:48

End at: 2018-01-31 19:50:18

Below is generated by plot.py at 2018-02-01 00:35:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.66 Mbit/s

95th percentile per-packet one-way delay: 50.325 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.09 Mbit/s

95th percentile per-packet one-way delay: 50.294 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.59 Mbit/s

95th percentile per-packet one-way delay: 50.383 ms

Loss rate: 0.00%

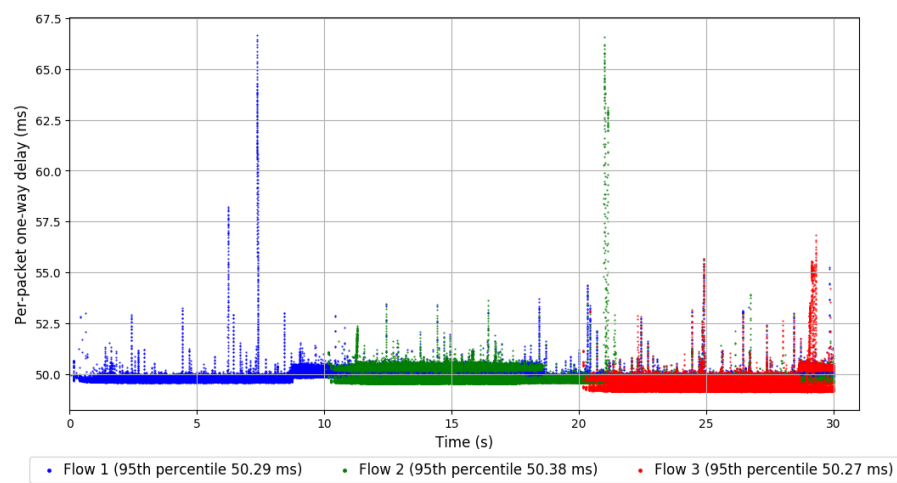
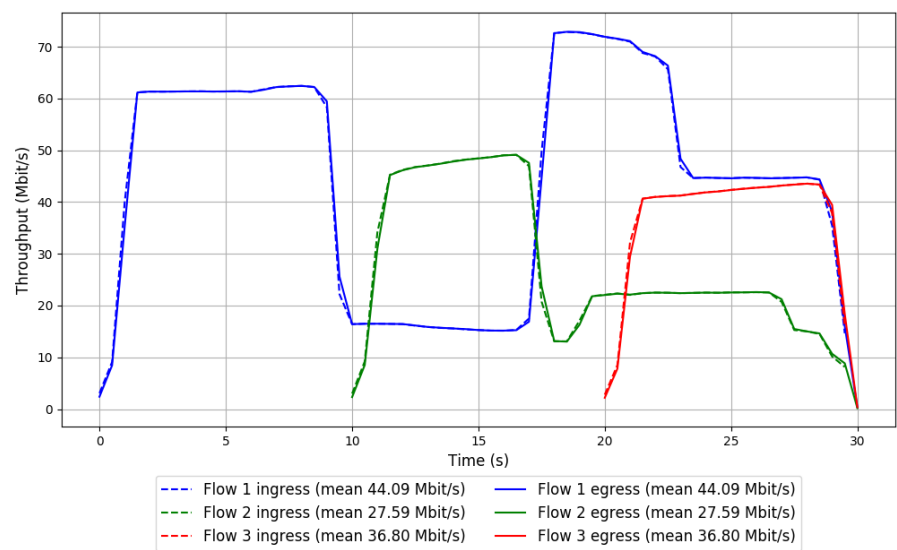
-- Flow 3:

Average throughput: 36.80 Mbit/s

95th percentile per-packet one-way delay: 50.269 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-31 20:05:43

End at: 2018-01-31 20:06:13

Below is generated by plot.py at 2018-02-01 00:35:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.80 Mbit/s

95th percentile per-packet one-way delay: 50.351 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 50.256 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.37 Mbit/s

95th percentile per-packet one-way delay: 50.286 ms

Loss rate: 0.00%

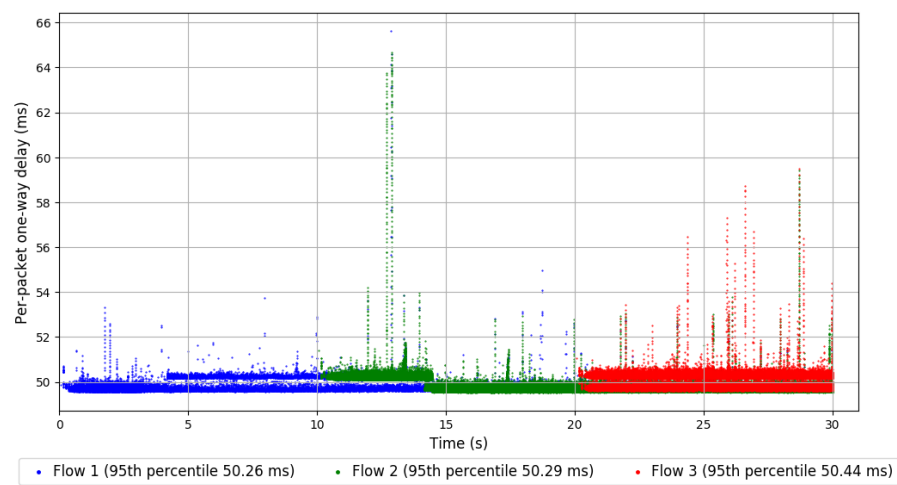
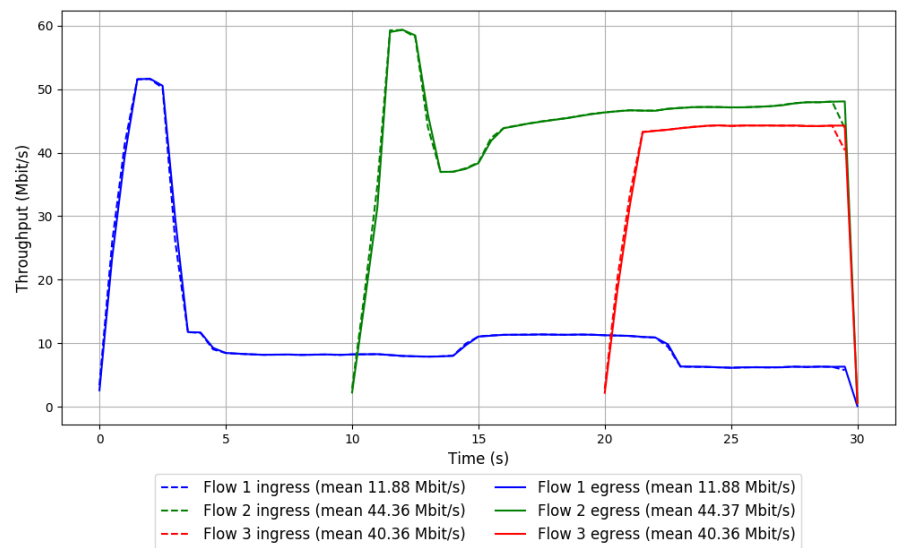
-- Flow 3:

Average throughput: 40.36 Mbit/s

95th percentile per-packet one-way delay: 50.441 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-31 20:21:38

End at: 2018-01-31 20:22:08

Below is generated by plot.py at 2018-02-01 00:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.57 Mbit/s

95th percentile per-packet one-way delay: 50.303 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 30.95 Mbit/s

95th percentile per-packet one-way delay: 50.291 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.05 Mbit/s

95th percentile per-packet one-way delay: 50.326 ms

Loss rate: 0.00%

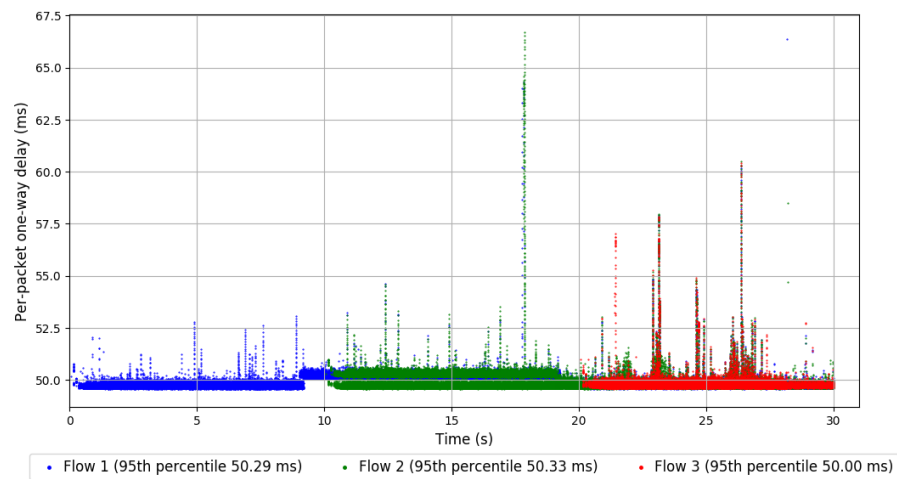
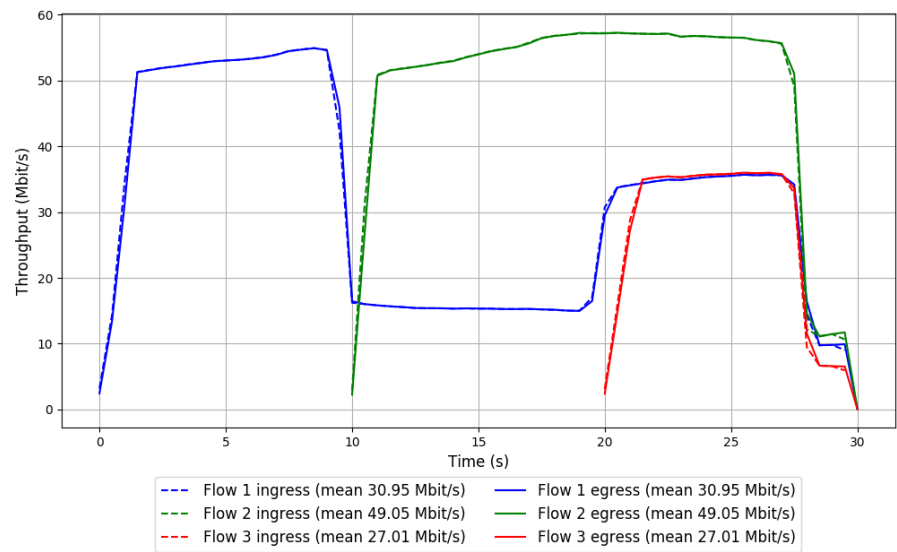
-- Flow 3:

Average throughput: 27.01 Mbit/s

95th percentile per-packet one-way delay: 50.003 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-31 20:37:45

End at: 2018-01-31 20:38:15

Below is generated by plot.py at 2018-02-01 00:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.95 Mbit/s

95th percentile per-packet one-way delay: 50.494 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.82 Mbit/s

95th percentile per-packet one-way delay: 50.478 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.12 Mbit/s

95th percentile per-packet one-way delay: 50.501 ms

Loss rate: 0.00%

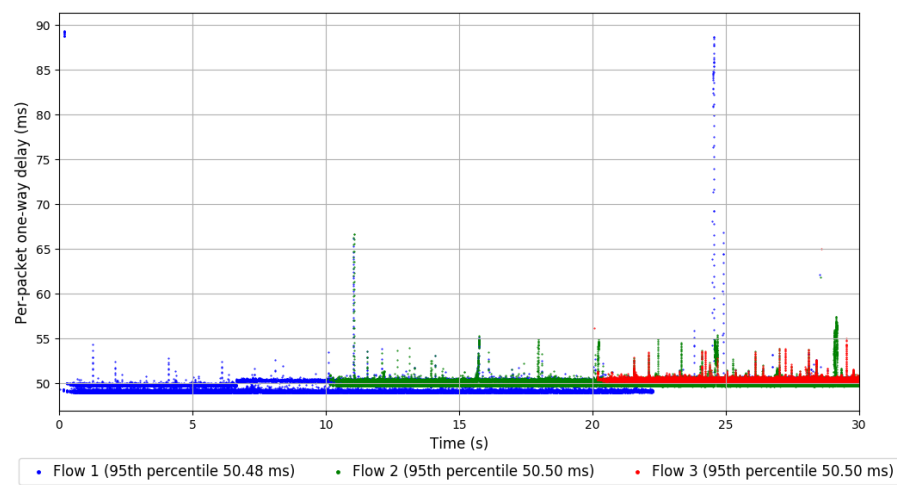
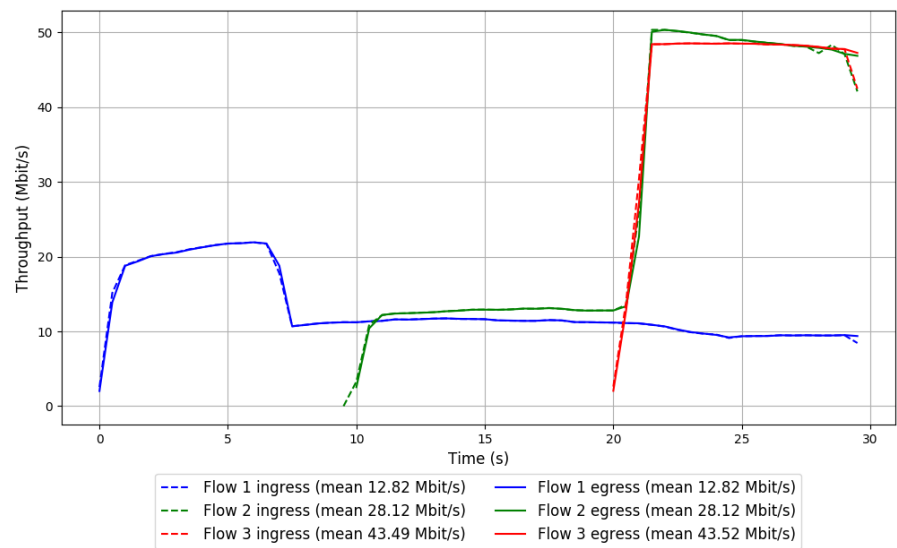
-- Flow 3:

Average throughput: 43.52 Mbit/s

95th percentile per-packet one-way delay: 50.500 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-31 20:52:51

End at: 2018-01-31 20:53:21

Below is generated by plot.py at 2018-02-01 00:36:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 50.445 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.88 Mbit/s

95th percentile per-packet one-way delay: 50.420 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.43 Mbit/s

95th percentile per-packet one-way delay: 50.445 ms

Loss rate: 0.00%

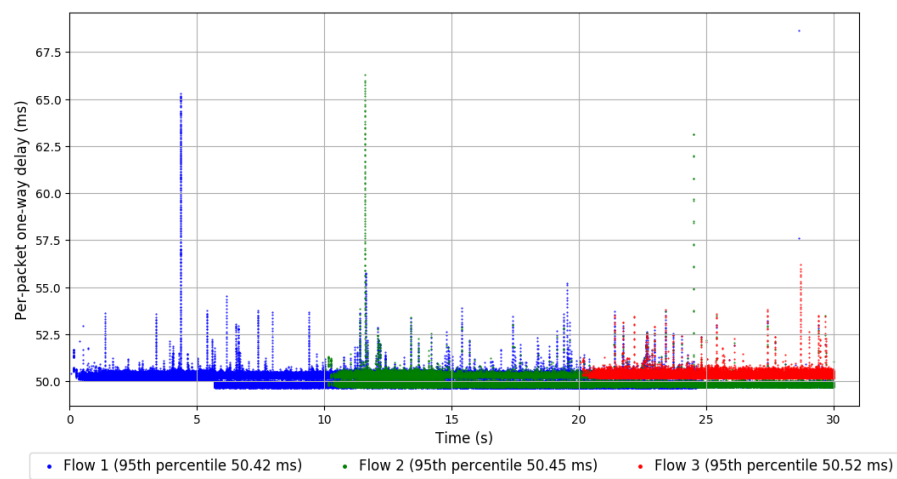
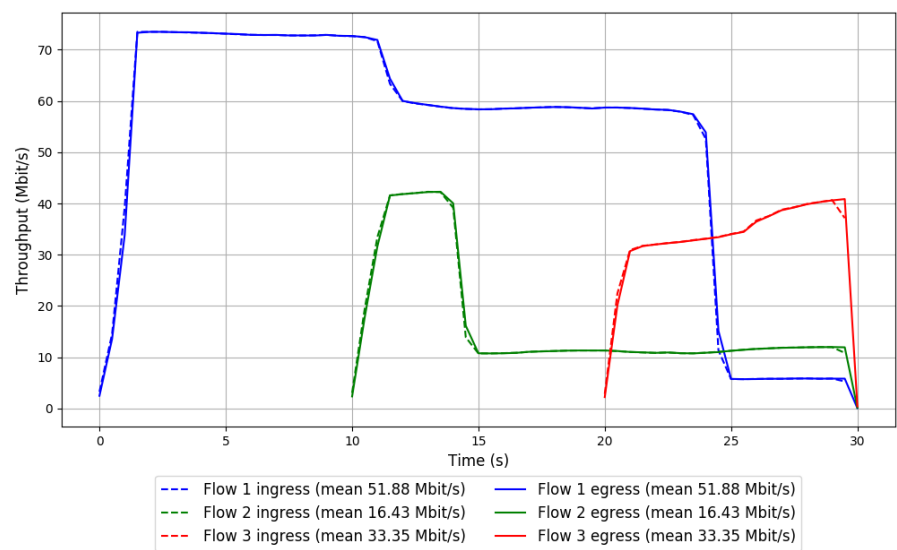
-- Flow 3:

Average throughput: 33.35 Mbit/s

95th percentile per-packet one-way delay: 50.519 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-31 21:07:48

End at: 2018-01-31 21:08:18

Below is generated by plot.py at 2018-02-01 00:37:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.24 Mbit/s

95th percentile per-packet one-way delay: 50.467 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.22 Mbit/s

95th percentile per-packet one-way delay: 50.461 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.06 Mbit/s

95th percentile per-packet one-way delay: 50.483 ms

Loss rate: 0.00%

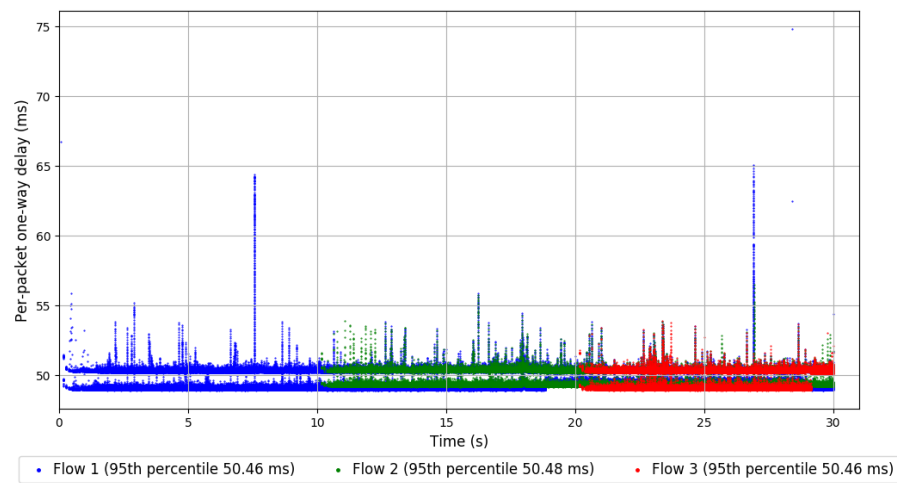
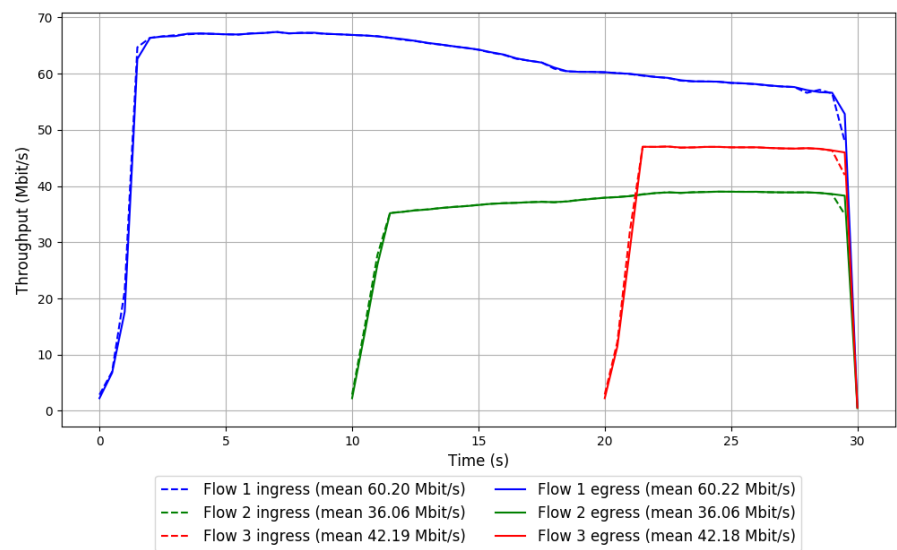
-- Flow 3:

Average throughput: 42.18 Mbit/s

95th percentile per-packet one-way delay: 50.457 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-31 21:23:07

End at: 2018-01-31 21:23:37

Below is generated by plot.py at 2018-02-01 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.98 Mbit/s

95th percentile per-packet one-way delay: 50.413 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 50.396 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.25 Mbit/s

95th percentile per-packet one-way delay: 50.404 ms

Loss rate: 0.00%

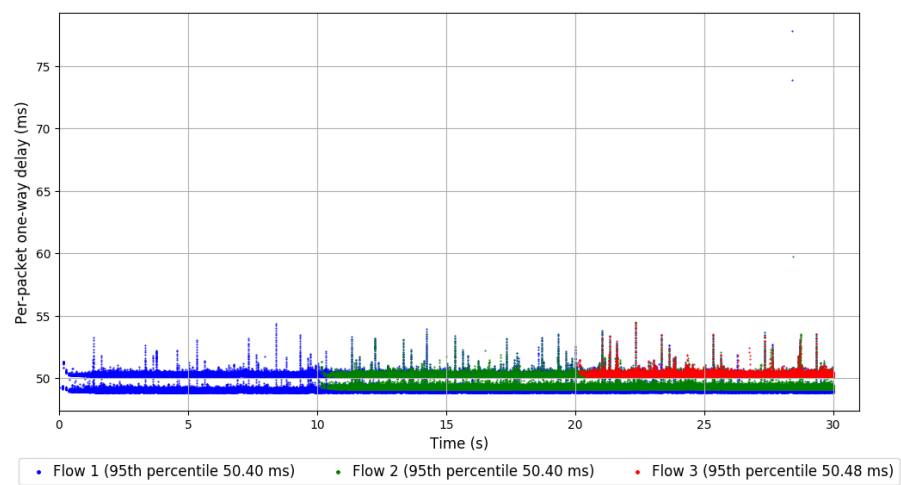
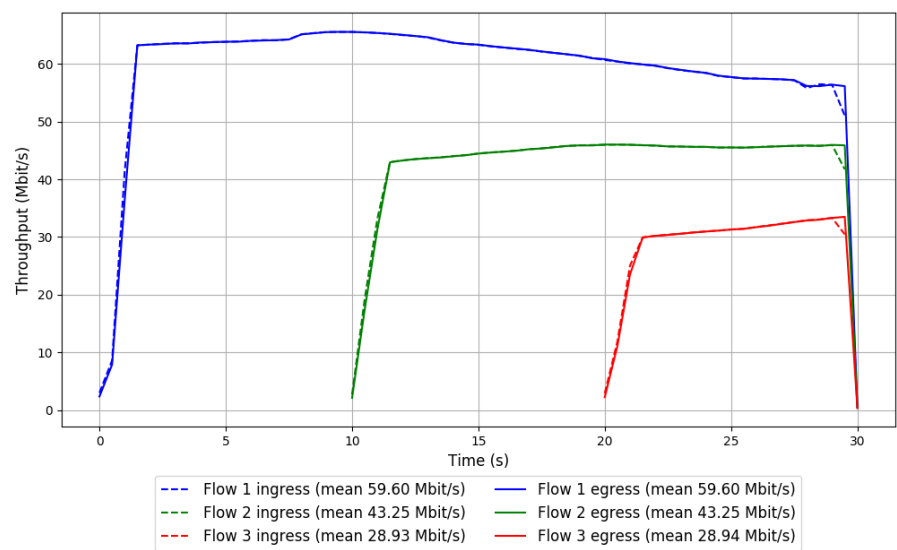
-- Flow 3:

Average throughput: 28.94 Mbit/s

95th percentile per-packet one-way delay: 50.480 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-31 21:38:23

End at: 2018-01-31 21:38:53

Below is generated by plot.py at 2018-02-01 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.04 Mbit/s

95th percentile per-packet one-way delay: 50.327 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 30.11 Mbit/s

95th percentile per-packet one-way delay: 50.330 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.47 Mbit/s

95th percentile per-packet one-way delay: 50.319 ms

Loss rate: 0.00%

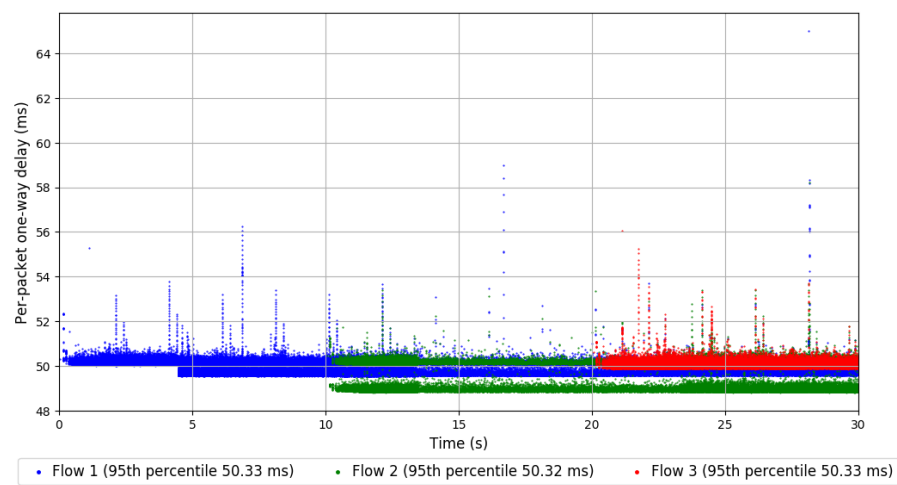
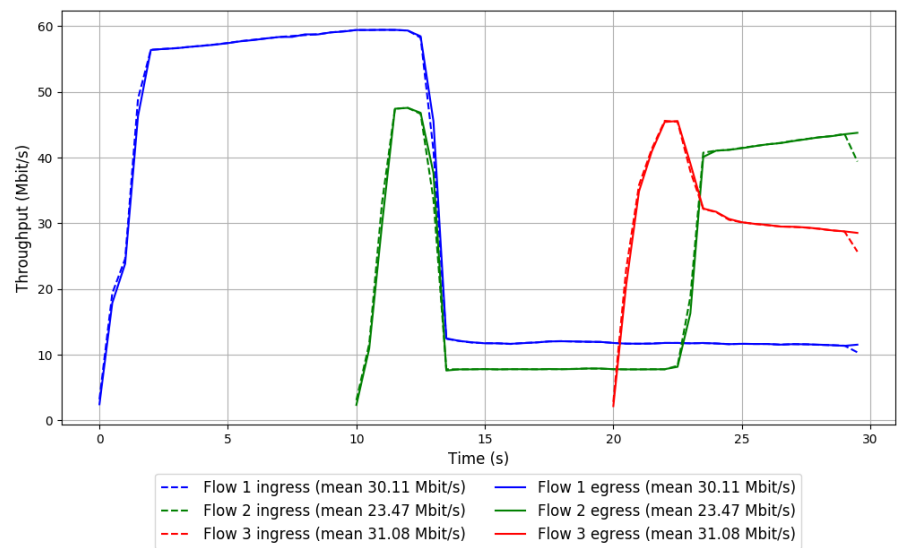
-- Flow 3:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 50.331 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

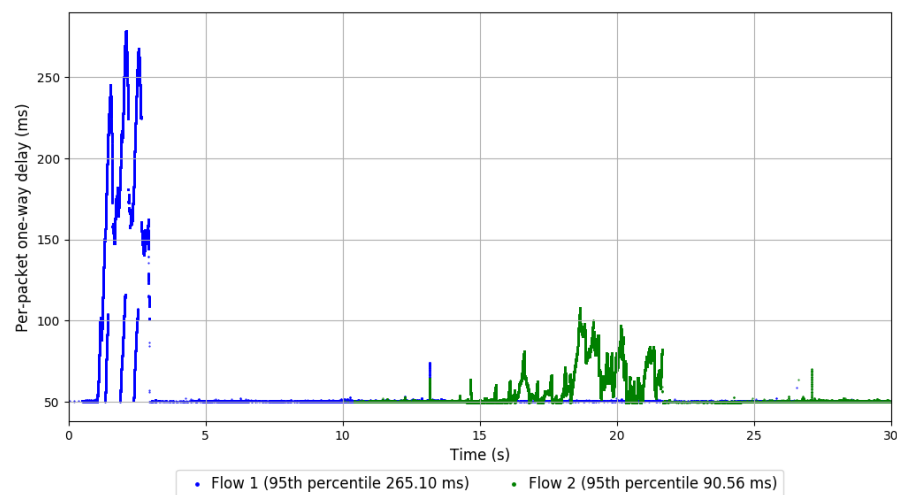
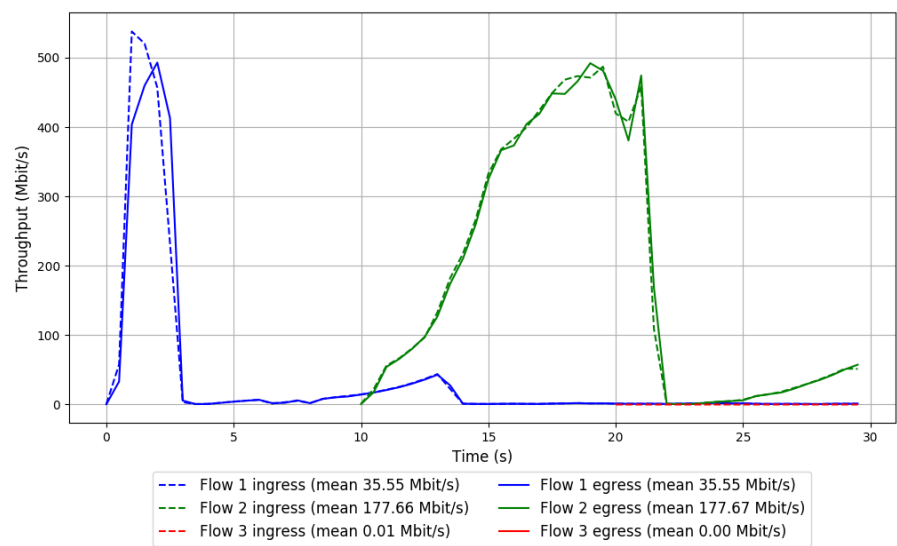


```
Run 1: Statistics of FillP

Start at: 2018-01-31 19:08:42
End at: 2018-01-31 19:09:12

# Below is generated by plot.py at 2018-02-01 00:40:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 153.77 Mbit/s
95th percentile per-packet one-way delay: 229.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 265.096 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 177.67 Mbit/s
95th percentile per-packet one-way delay: 90.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
```


Run 1: Report of FillP — Data Link

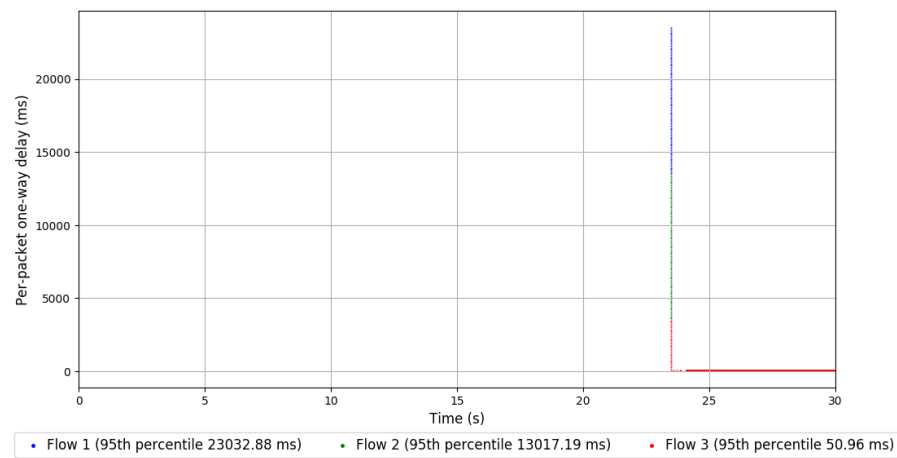
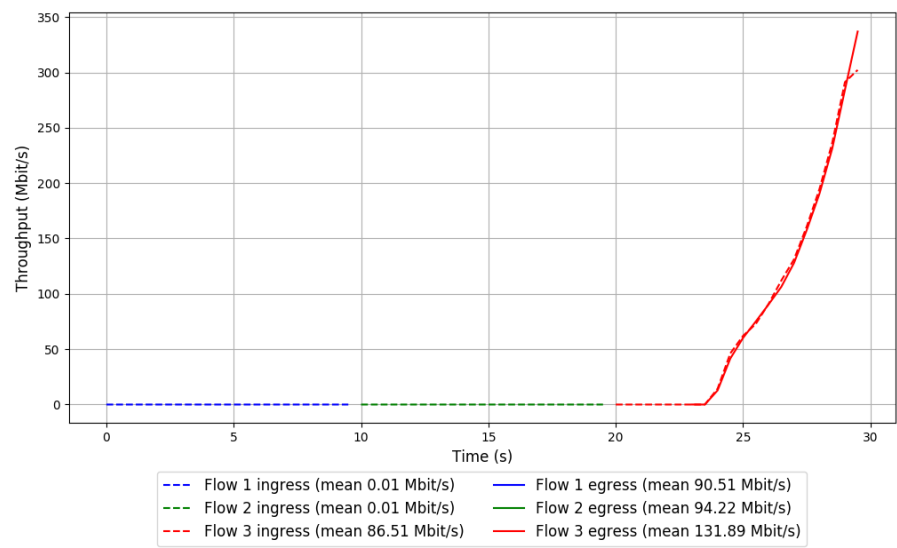


Run 2: Statistics of FillP

Start at: 2018-01-31 19:24:58

End at: 2018-01-31 19:25:28

Run 2: Report of FillP — Data Link

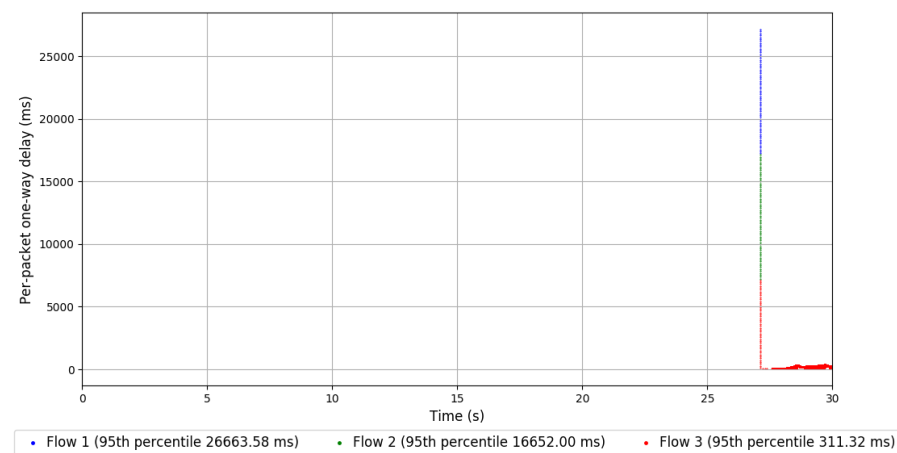
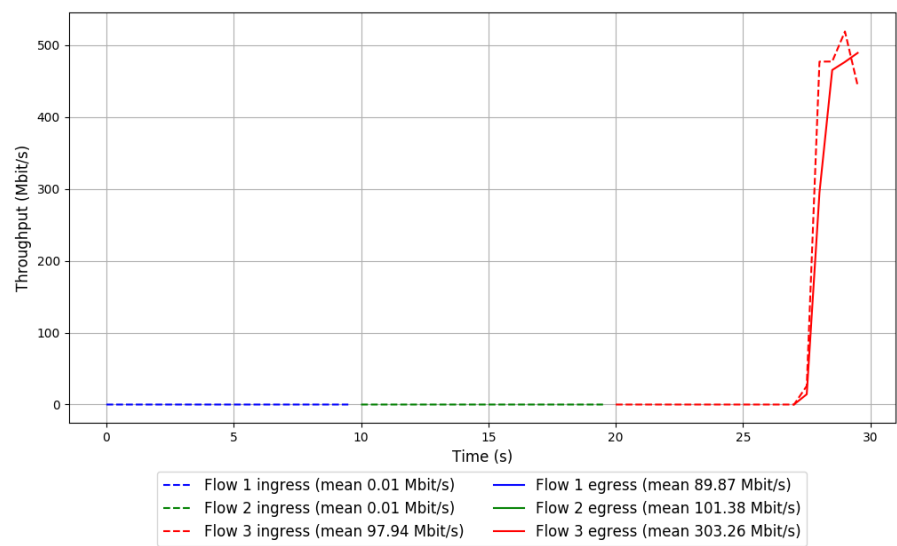


Run 3: Statistics of FillP

Start at: 2018-01-31 19:41:15

End at: 2018-01-31 19:41:45

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-01-31 19:57:12

End at: 2018-01-31 19:57:42

Below is generated by plot.py at 2018-02-01 00:40:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.21 Mbit/s

95th percentile per-packet one-way delay: 213.472 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 223.710 ms

Loss rate: 2.97%

-- Flow 2:

Average throughput: 36.34 Mbit/s

95th percentile per-packet one-way delay: 149.182 ms

Loss rate: 0.18%

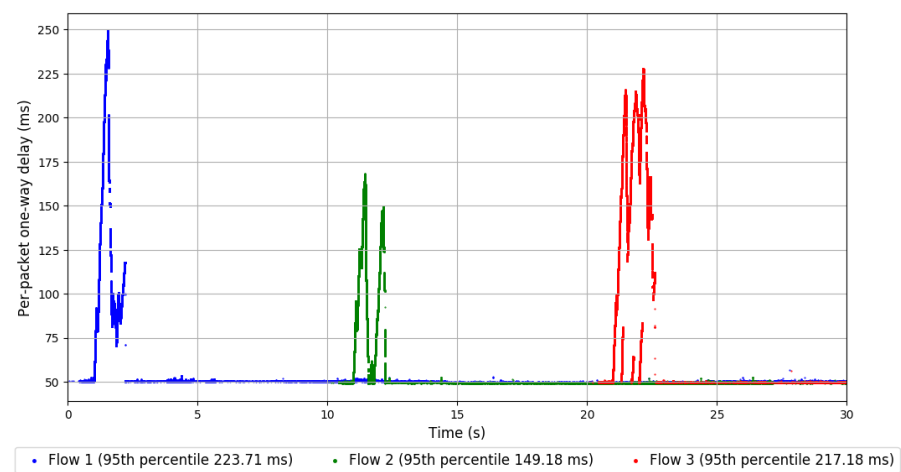
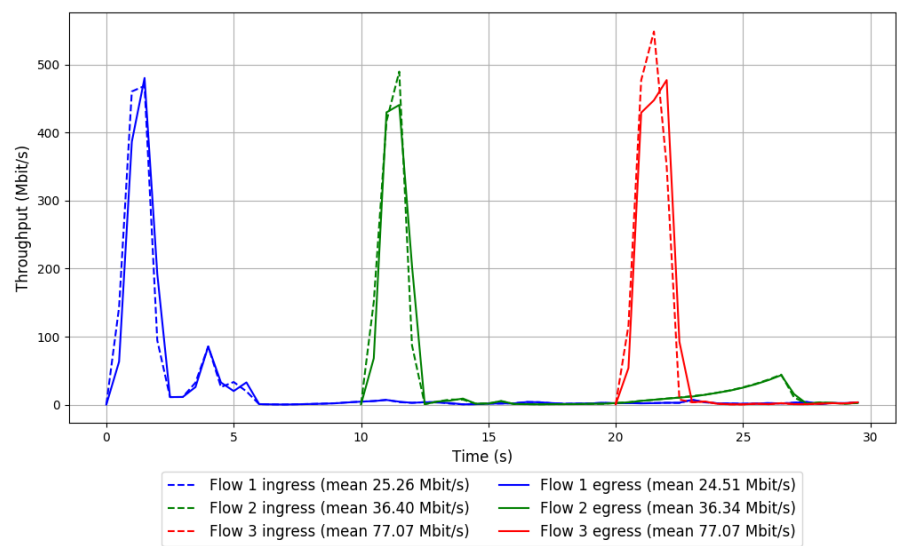
-- Flow 3:

Average throughput: 77.07 Mbit/s

95th percentile per-packet one-way delay: 217.175 ms

Loss rate: 0.00%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-01-31 20:13:09

End at: 2018-01-31 20:13:39

Below is generated by plot.py at 2018-02-01 00:40:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.81 Mbit/s

95th percentile per-packet one-way delay: 101.875 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.96 Mbit/s

95th percentile per-packet one-way delay: 87.008 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.67 Mbit/s

95th percentile per-packet one-way delay: 98.218 ms

Loss rate: 0.00%

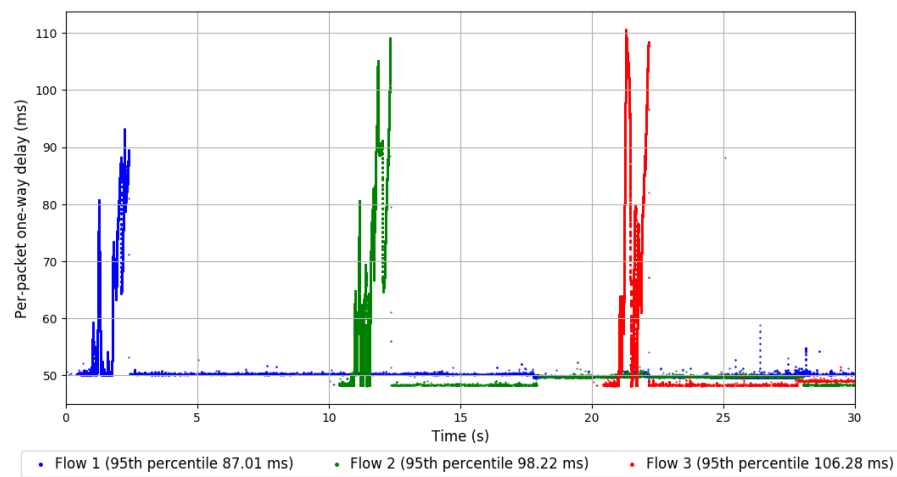
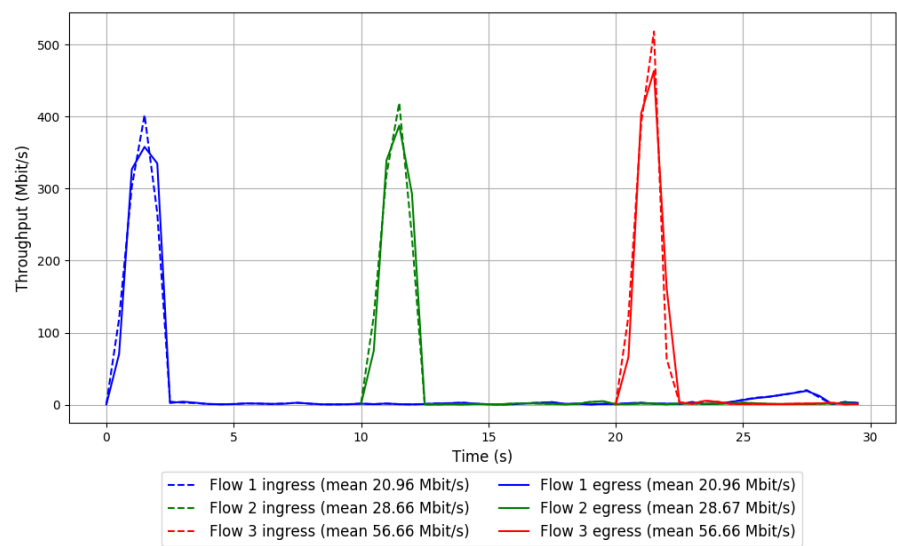
-- Flow 3:

Average throughput: 56.66 Mbit/s

95th percentile per-packet one-way delay: 106.282 ms

Loss rate: 0.00%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-01-31 20:28:55

End at: 2018-01-31 20:29:25

Below is generated by plot.py at 2018-02-01 00:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.14 Mbit/s

95th percentile per-packet one-way delay: 150.260 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 139.43 Mbit/s

95th percentile per-packet one-way delay: 155.091 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.74 Mbit/s

95th percentile per-packet one-way delay: 72.734 ms

Loss rate: 0.00%

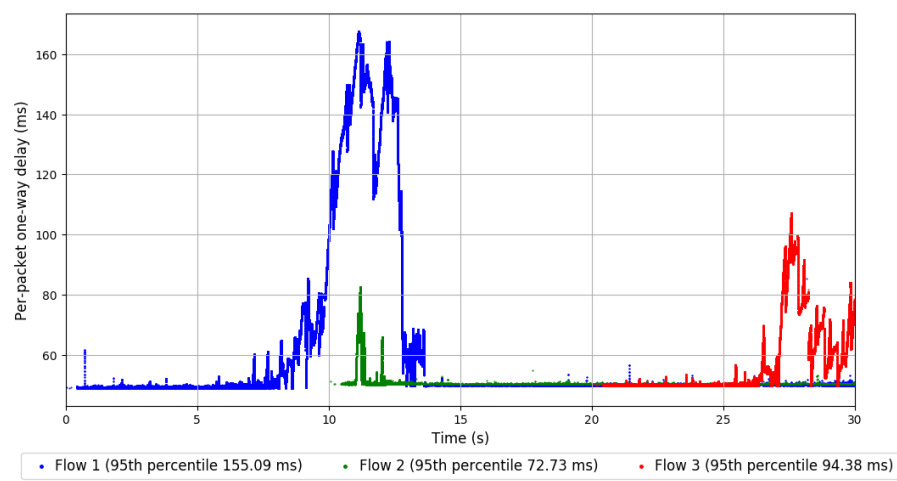
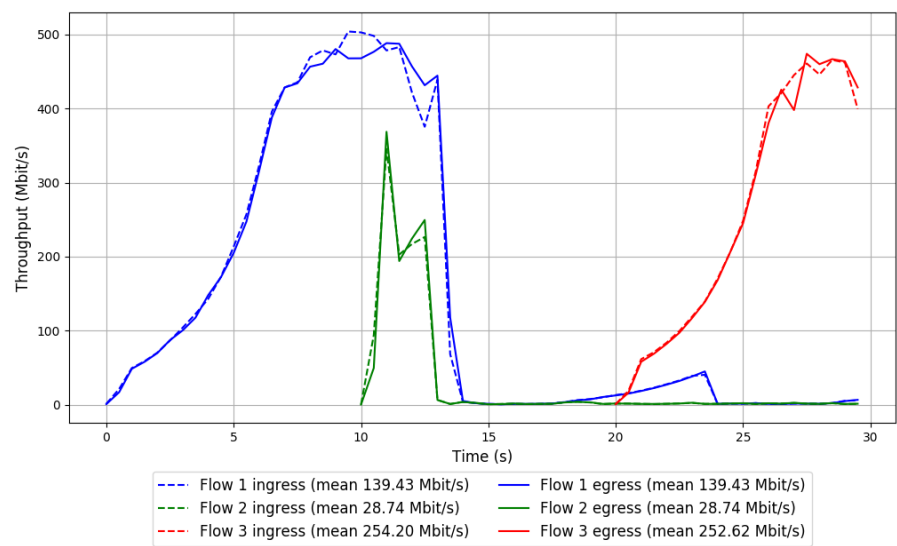
-- Flow 3:

Average throughput: 252.62 Mbit/s

95th percentile per-packet one-way delay: 94.375 ms

Loss rate: 0.62%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-01-31 20:44:16

End at: 2018-01-31 20:44:46

Below is generated by plot.py at 2018-02-01 00:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.84 Mbit/s

95th percentile per-packet one-way delay: 207.366 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 21.46 Mbit/s

95th percentile per-packet one-way delay: 142.843 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 67.07 Mbit/s

95th percentile per-packet one-way delay: 264.976 ms

Loss rate: 0.28%

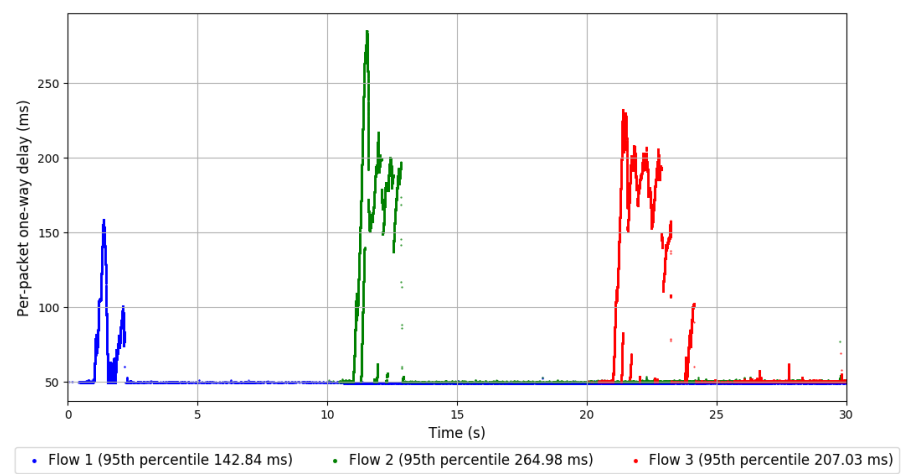
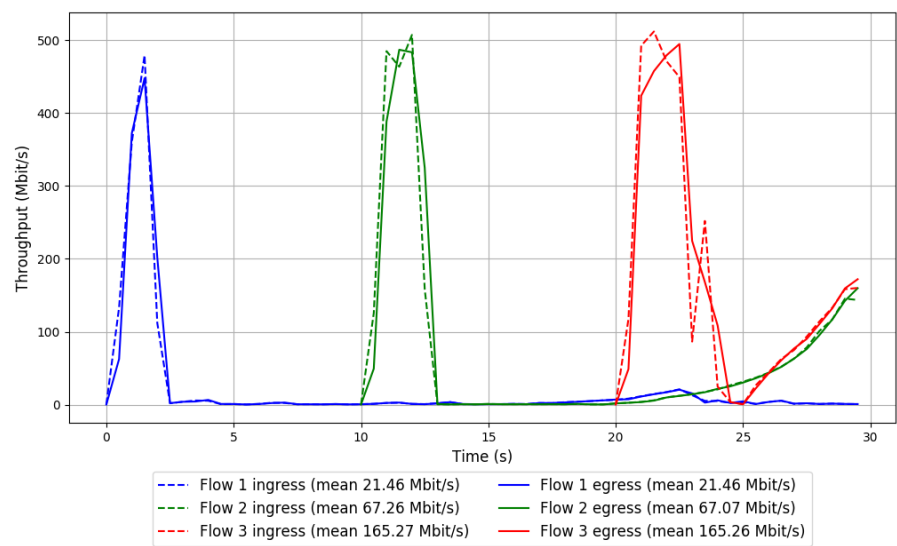
-- Flow 3:

Average throughput: 165.26 Mbit/s

95th percentile per-packet one-way delay: 207.032 ms

Loss rate: 0.01%

Run 7: Report of FillP — Data Link

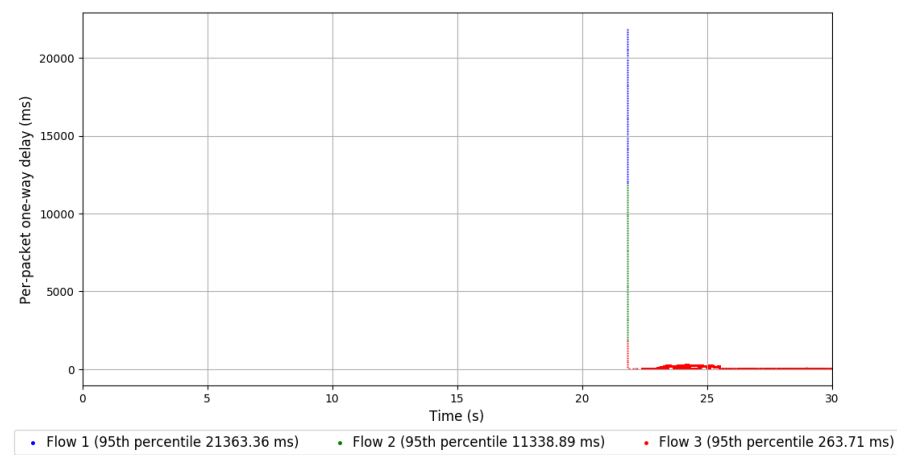
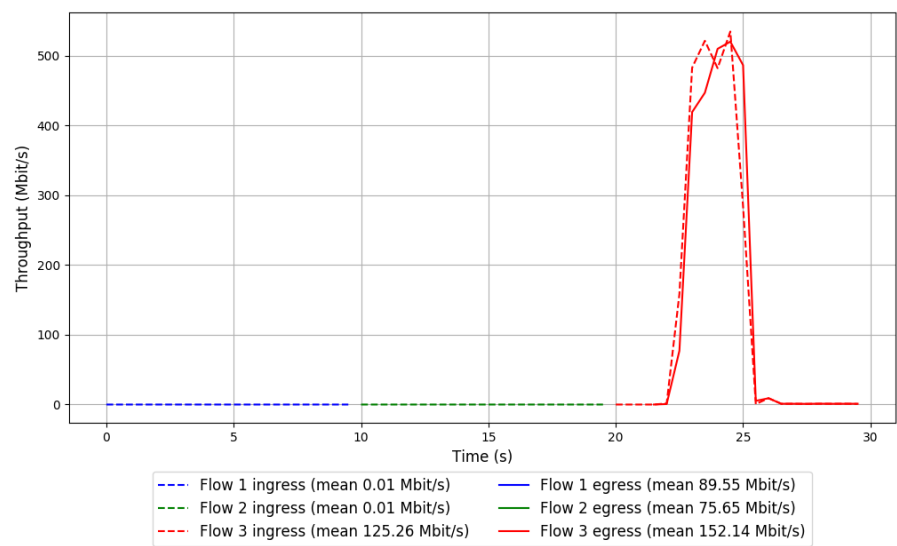


Run 8: Statistics of FillP

Start at: 2018-01-31 20:59:24

End at: 2018-01-31 20:59:54

Run 8: Report of FillP — Data Link

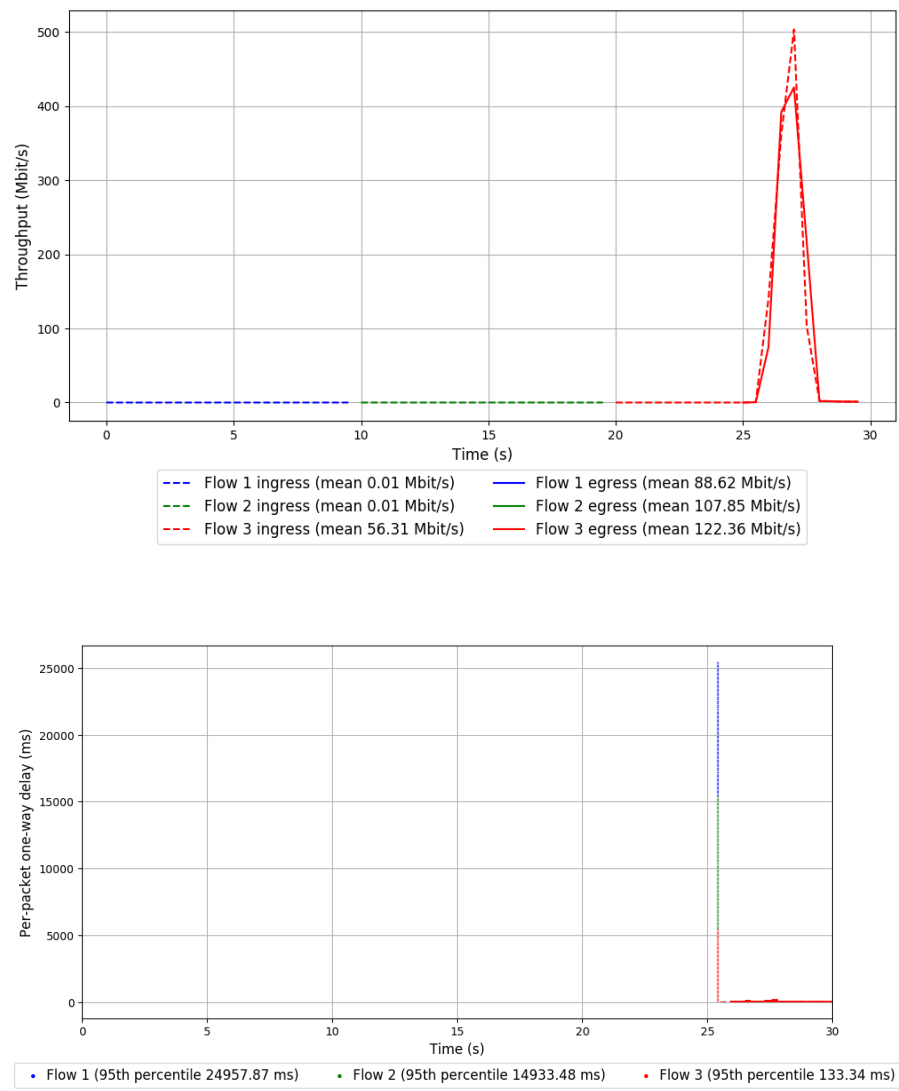


Run 9: Statistics of FillP

Start at: 2018-01-31 21:14:32

End at: 2018-01-31 21:15:02

Run 9: Report of FillP — Data Link

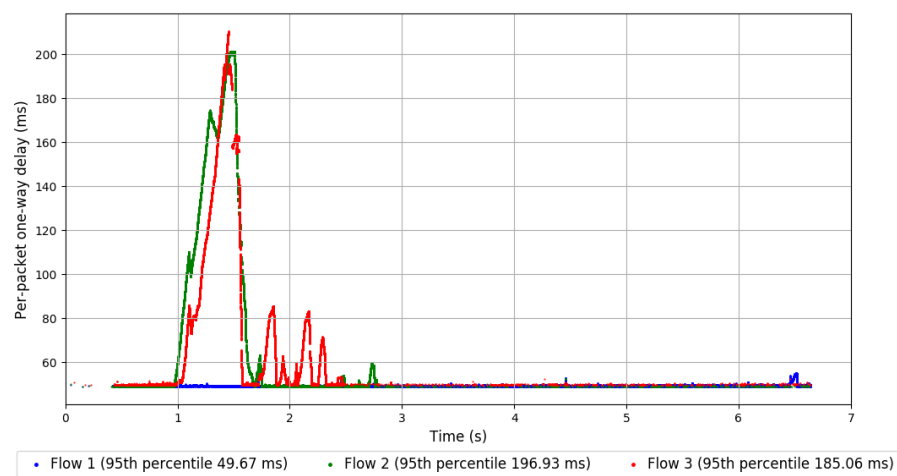
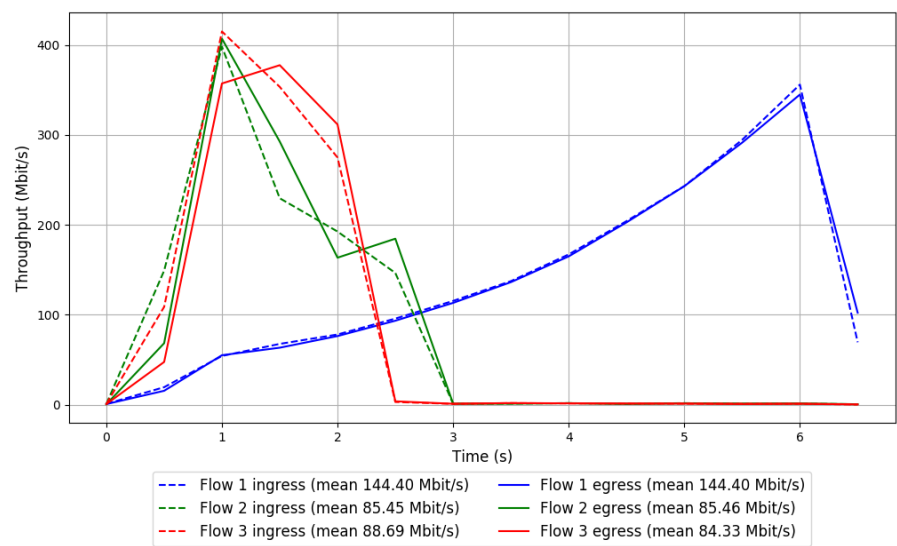


Run 10: Statistics of FillP

Start at: 2018-01-31 21:29:51

End at: 2018-01-31 21:30:21

Run 10: Report of FillP — Data Link

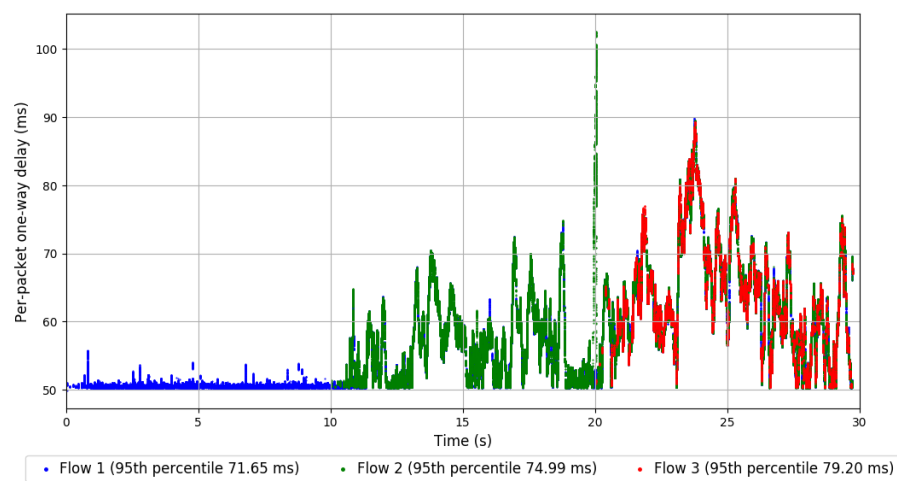
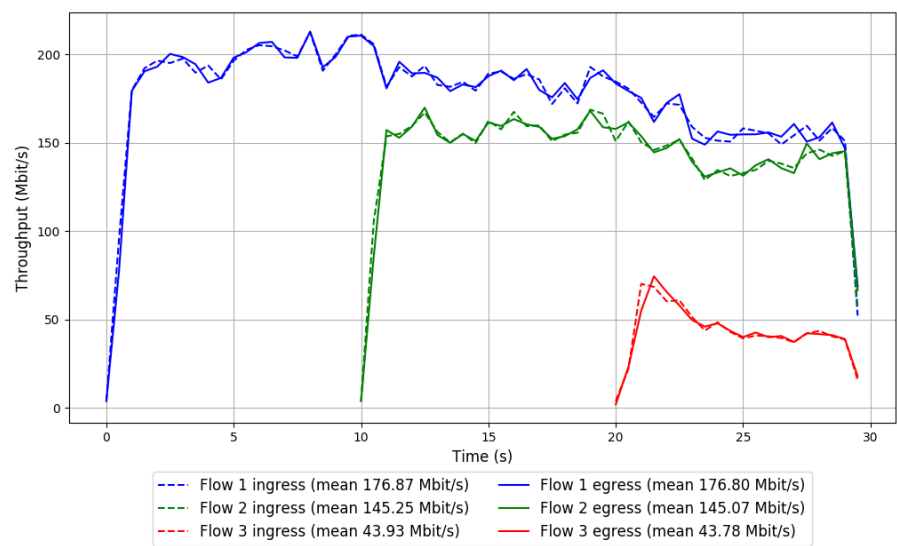


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-31 19:13:26
End at: 2018-01-31 19:13:56

# Below is generated by plot.py at 2018-02-01 00:45:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 287.26 Mbit/s
95th percentile per-packet one-way delay: 73.835 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 176.80 Mbit/s
95th percentile per-packet one-way delay: 71.647 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 145.07 Mbit/s
95th percentile per-packet one-way delay: 74.993 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 43.78 Mbit/s
95th percentile per-packet one-way delay: 79.196 ms
Loss rate: 0.33%
```

Run 1: Report of Indigo-1-32 — Data Link

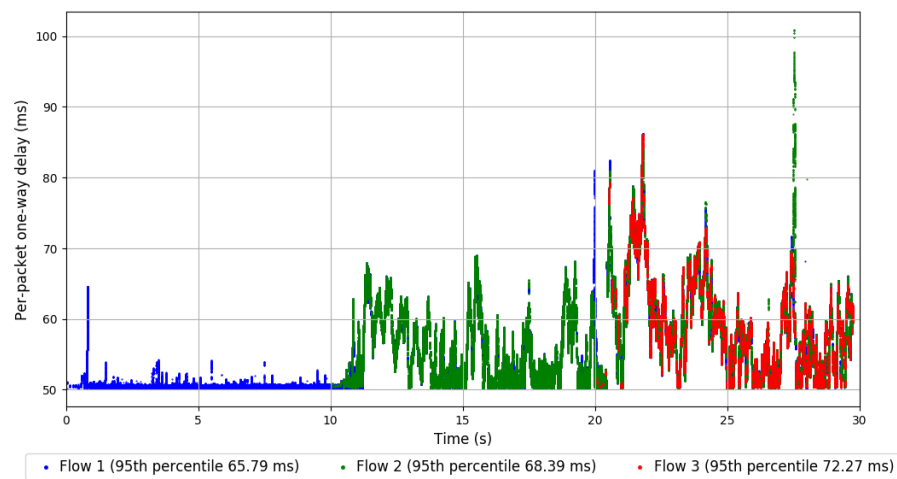
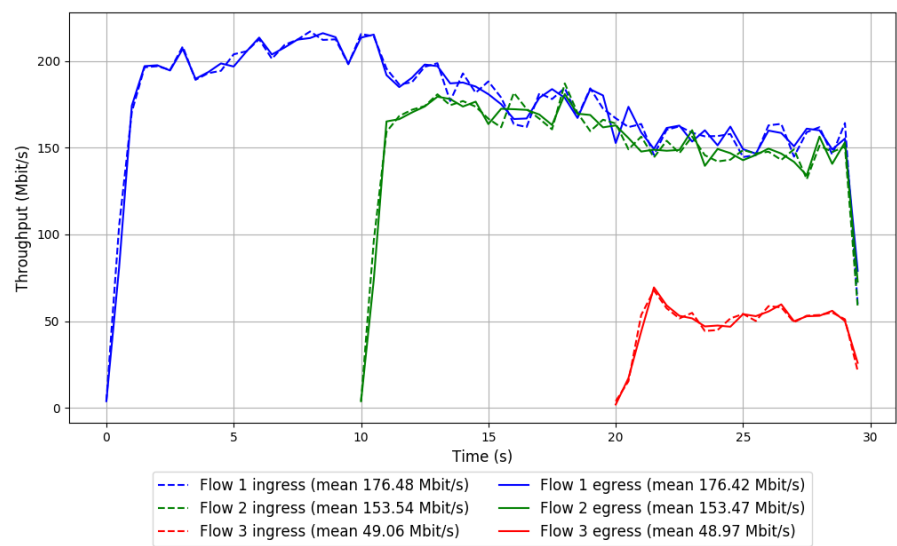


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-31 19:29:35
End at: 2018-01-31 19:30:05

# Below is generated by plot.py at 2018-02-01 00:45:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 294.10 Mbit/s
95th percentile per-packet one-way delay: 67.366 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 176.42 Mbit/s
95th percentile per-packet one-way delay: 65.790 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 153.47 Mbit/s
95th percentile per-packet one-way delay: 68.387 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 72.270 ms
Loss rate: 0.18%
```

Run 2: Report of Indigo-1-32 — Data Link



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-31 19:45:49

End at: 2018-01-31 19:46:19

Below is generated by plot.py at 2018-02-01 00:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.47 Mbit/s

95th percentile per-packet one-way delay: 76.138 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 143.21 Mbit/s

95th percentile per-packet one-way delay: 70.237 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 137.34 Mbit/s

95th percentile per-packet one-way delay: 77.204 ms

Loss rate: 0.00%

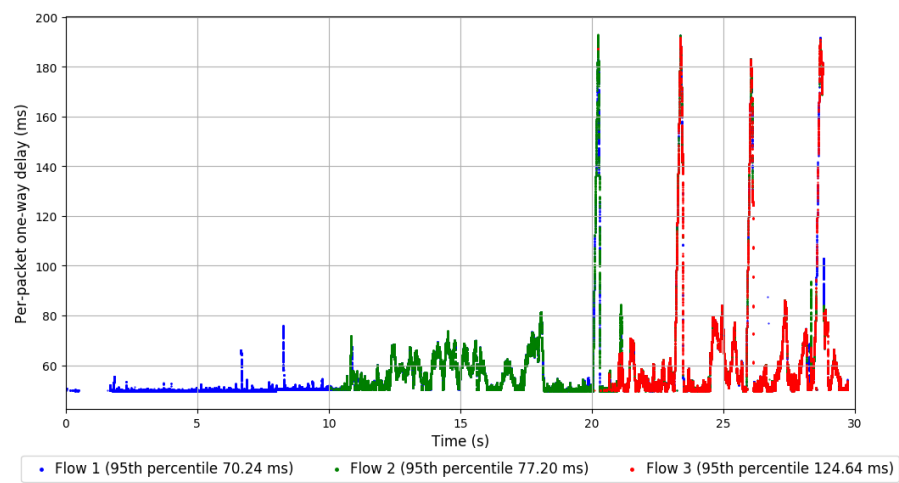
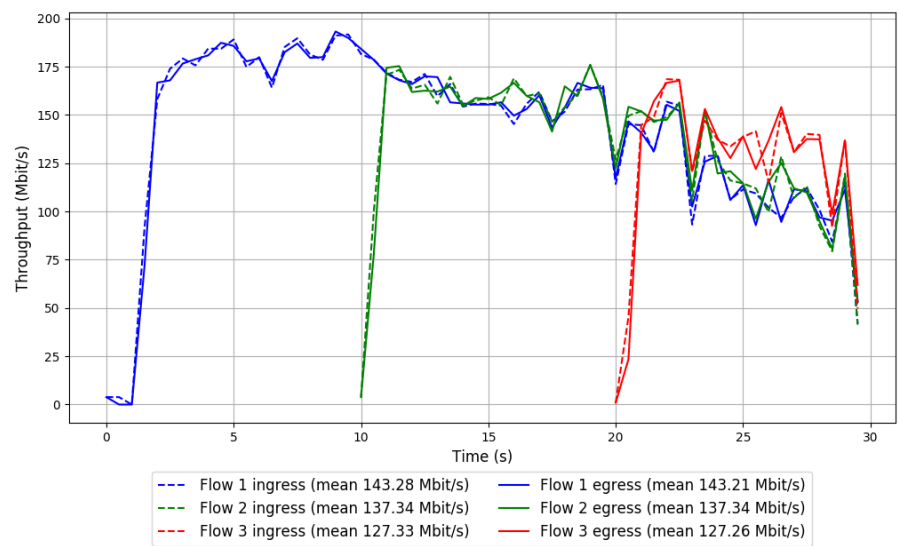
-- Flow 3:

Average throughput: 127.26 Mbit/s

95th percentile per-packet one-way delay: 124.644 ms

Loss rate: 0.01%

Run 3: Report of Indigo-1-32 — Data Link



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-31 20:01:50

End at: 2018-01-31 20:02:20

Below is generated by plot.py at 2018-02-01 00:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.48 Mbit/s

95th percentile per-packet one-way delay: 80.730 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 164.49 Mbit/s

95th percentile per-packet one-way delay: 77.109 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 136.66 Mbit/s

95th percentile per-packet one-way delay: 81.672 ms

Loss rate: 0.01%

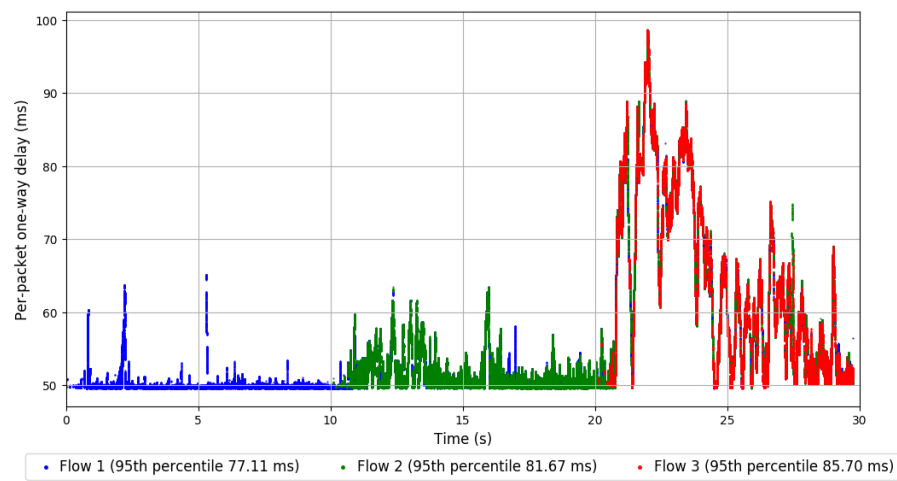
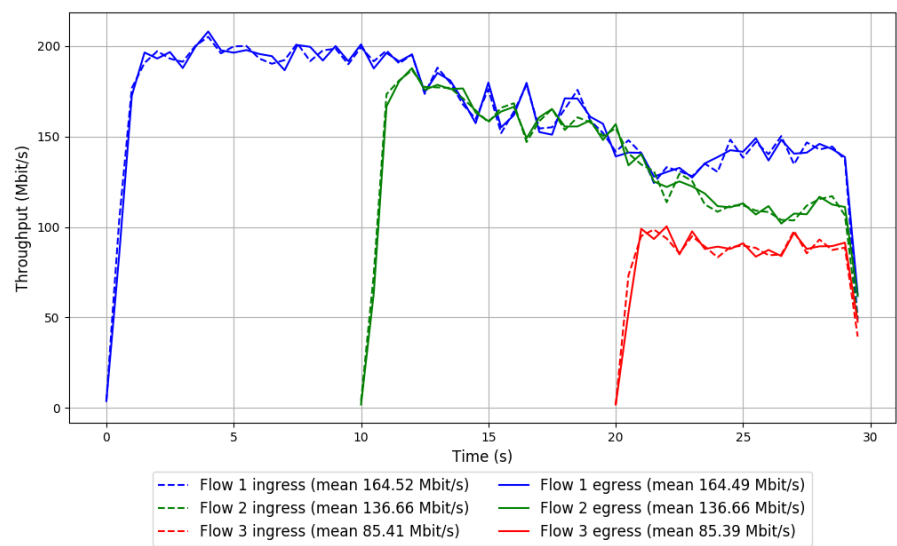
-- Flow 3:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 85.704 ms

Loss rate: 0.00%

Run 4: Report of Indigo-1-32 — Data Link



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-31 20:17:43

End at: 2018-01-31 20:18:13

Below is generated by plot.py at 2018-02-01 00:46:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.60 Mbit/s

95th percentile per-packet one-way delay: 84.840 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 177.32 Mbit/s

95th percentile per-packet one-way delay: 81.312 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 131.10 Mbit/s

95th percentile per-packet one-way delay: 85.204 ms

Loss rate: 0.00%

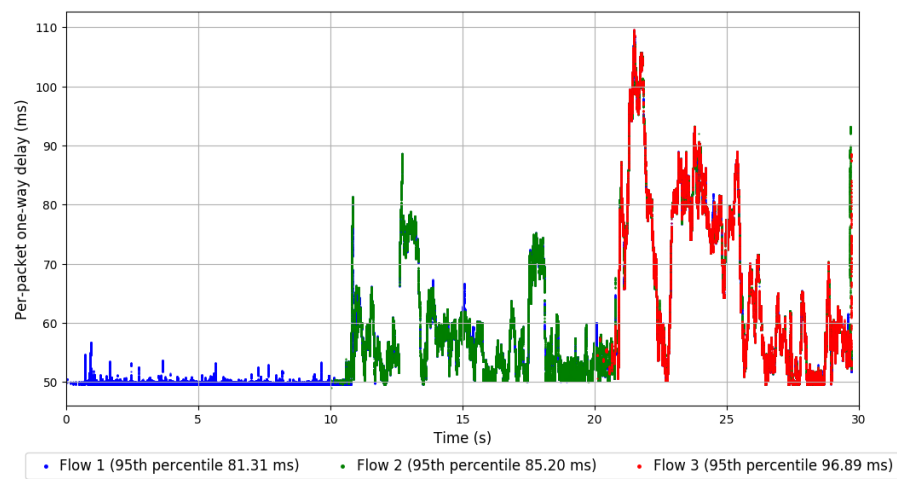
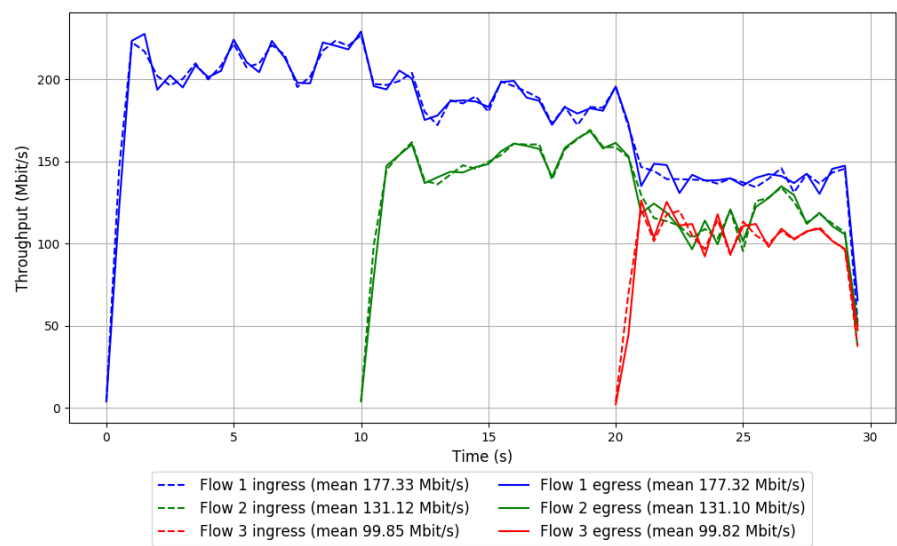
-- Flow 3:

Average throughput: 99.82 Mbit/s

95th percentile per-packet one-way delay: 96.889 ms

Loss rate: 0.03%

Run 5: Report of Indigo-1-32 — Data Link



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-31 20:33:45

End at: 2018-01-31 20:34:15

Below is generated by plot.py at 2018-02-01 00:46:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.17 Mbit/s

95th percentile per-packet one-way delay: 69.840 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 171.76 Mbit/s

95th percentile per-packet one-way delay: 66.835 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 130.55 Mbit/s

95th percentile per-packet one-way delay: 70.787 ms

Loss rate: 0.00%

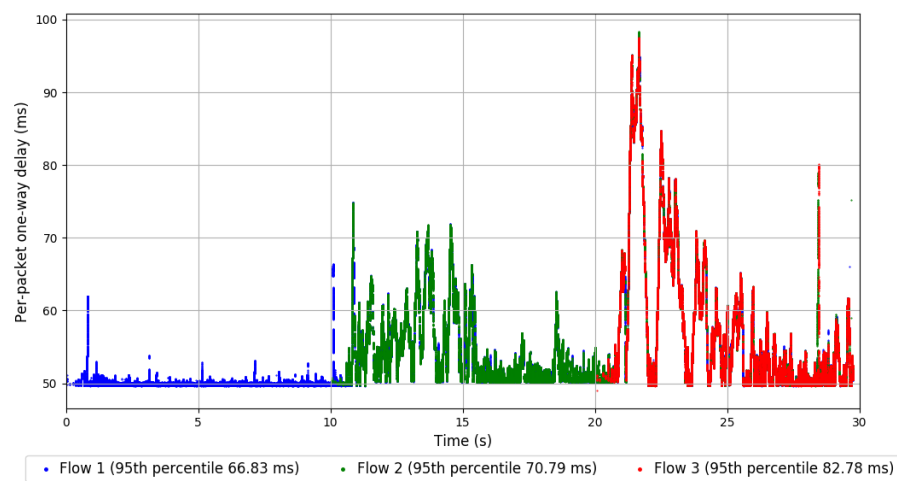
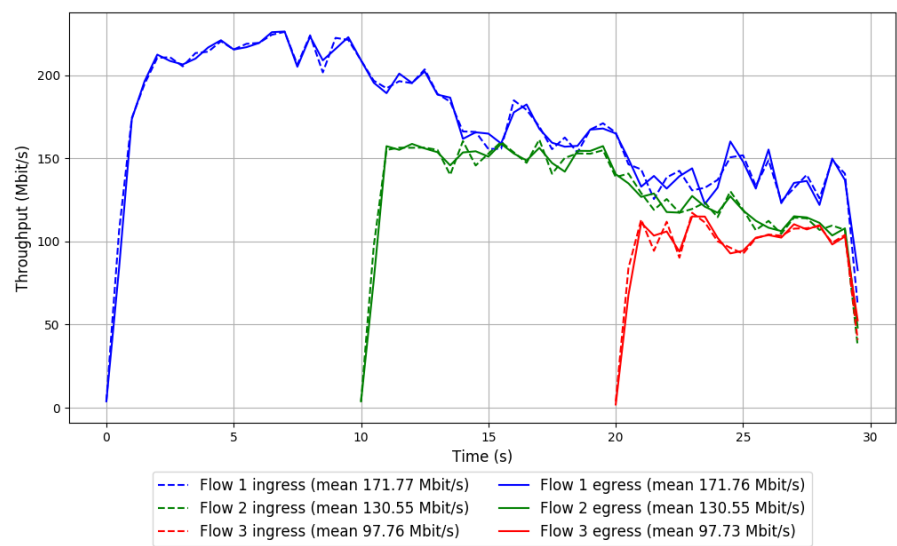
-- Flow 3:

Average throughput: 97.73 Mbit/s

95th percentile per-packet one-way delay: 82.784 ms

Loss rate: 0.00%

Run 6: Report of Indigo-1-32 — Data Link



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-31 20:48:53

End at: 2018-01-31 20:49:23

Below is generated by plot.py at 2018-02-01 00:46:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.87 Mbit/s

95th percentile per-packet one-way delay: 72.438 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 160.89 Mbit/s

95th percentile per-packet one-way delay: 70.646 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 128.88 Mbit/s

95th percentile per-packet one-way delay: 72.837 ms

Loss rate: 0.03%

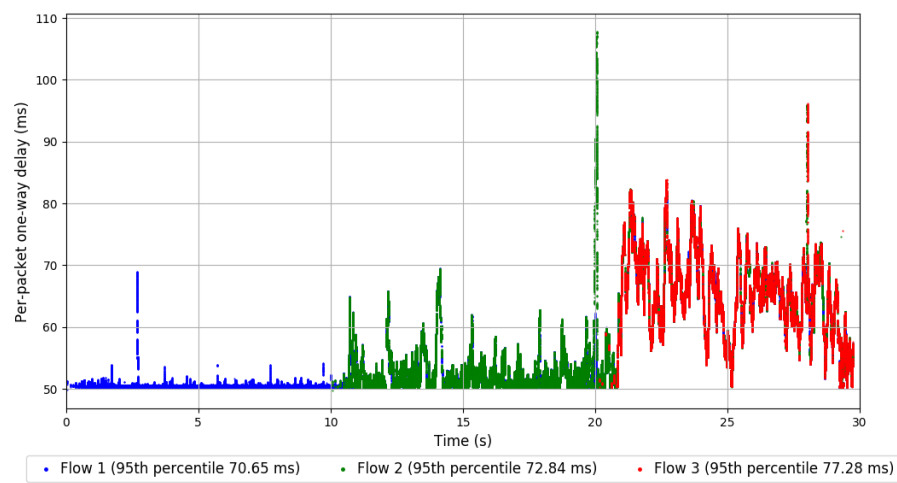
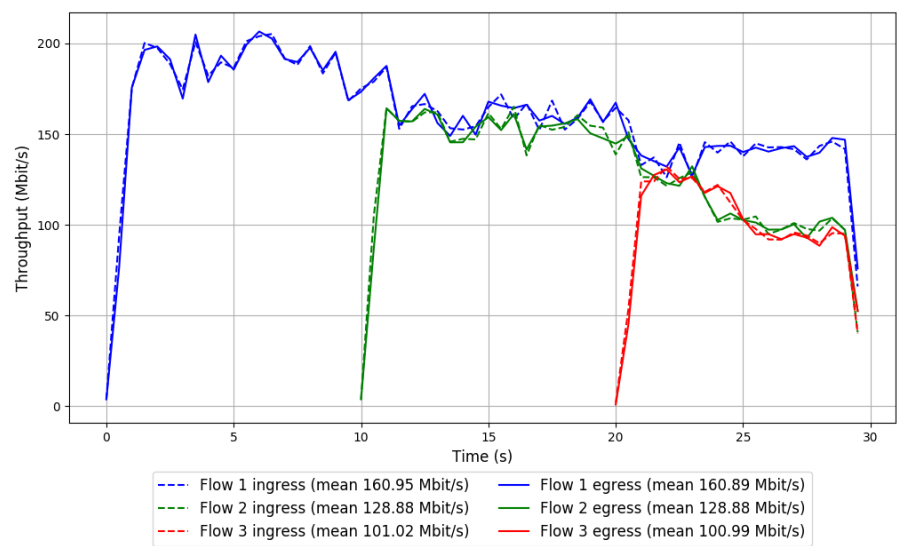
-- Flow 3:

Average throughput: 100.99 Mbit/s

95th percentile per-packet one-way delay: 77.282 ms

Loss rate: 0.04%

Run 7: Report of Indigo-1-32 — Data Link



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-31 21:03:56

End at: 2018-01-31 21:04:26

Below is generated by plot.py at 2018-02-01 00:48:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.84 Mbit/s

95th percentile per-packet one-way delay: 84.019 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 160.31 Mbit/s

95th percentile per-packet one-way delay: 80.143 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 139.76 Mbit/s

95th percentile per-packet one-way delay: 84.885 ms

Loss rate: 0.00%

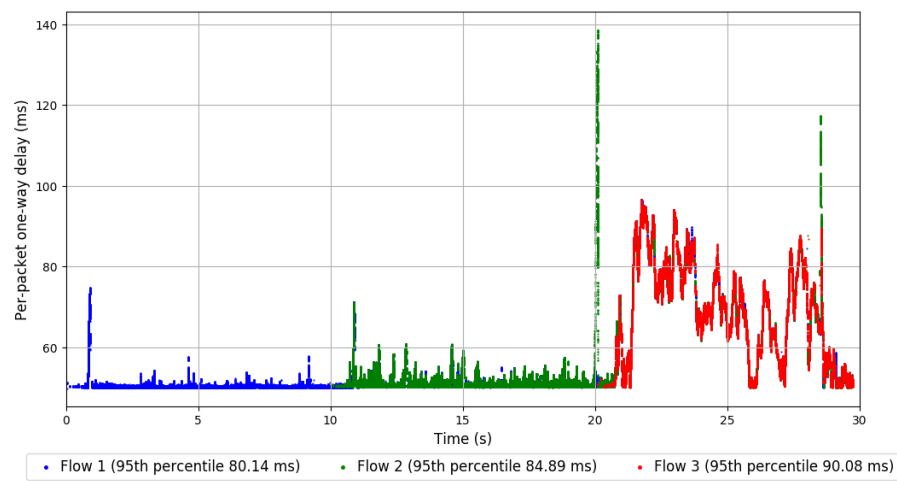
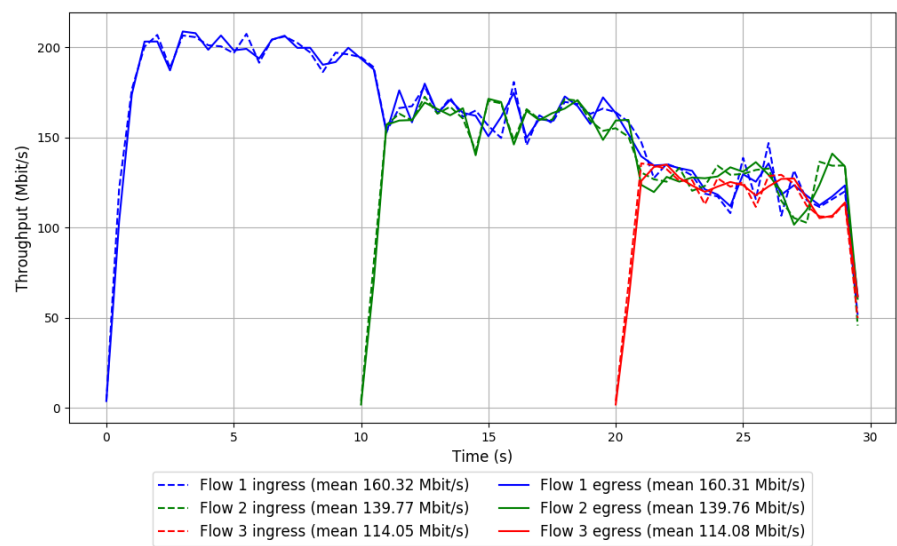
-- Flow 3:

Average throughput: 114.08 Mbit/s

95th percentile per-packet one-way delay: 90.075 ms

Loss rate: 0.01%

Run 8: Report of Indigo-1-32 — Data Link



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-31 21:19:09

End at: 2018-01-31 21:19:39

Below is generated by plot.py at 2018-02-01 00:48:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.86 Mbit/s

95th percentile per-packet one-way delay: 74.012 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 144.46 Mbit/s

95th percentile per-packet one-way delay: 69.756 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 135.39 Mbit/s

95th percentile per-packet one-way delay: 74.867 ms

Loss rate: 0.02%

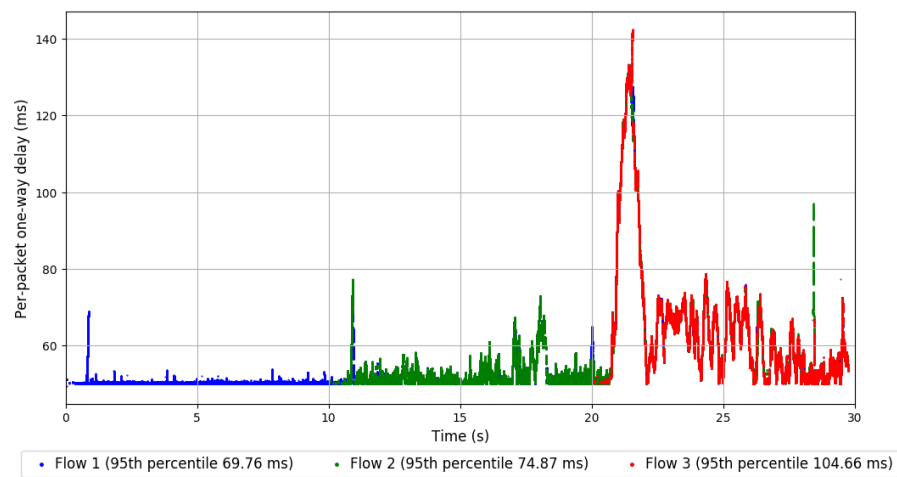
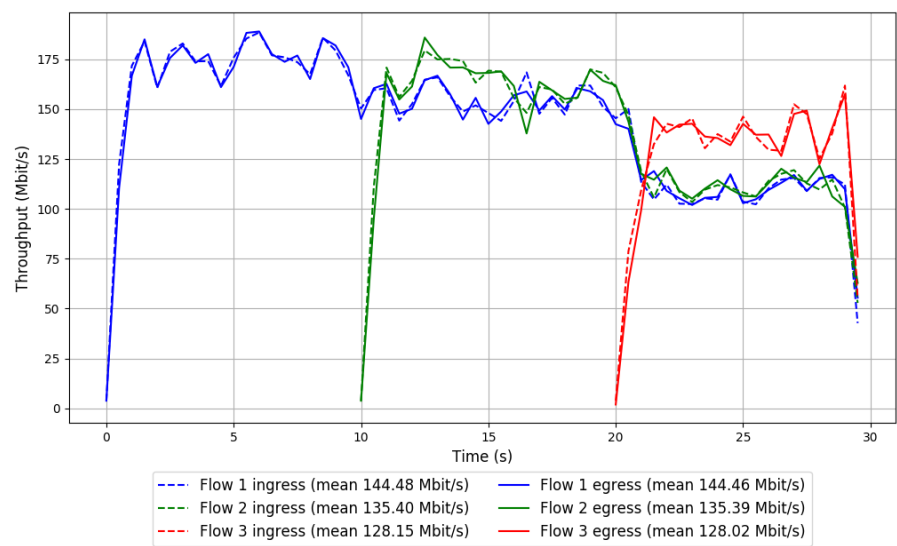
-- Flow 3:

Average throughput: 128.02 Mbit/s

95th percentile per-packet one-way delay: 104.661 ms

Loss rate: 0.07%

Run 9: Report of Indigo-1-32 — Data Link

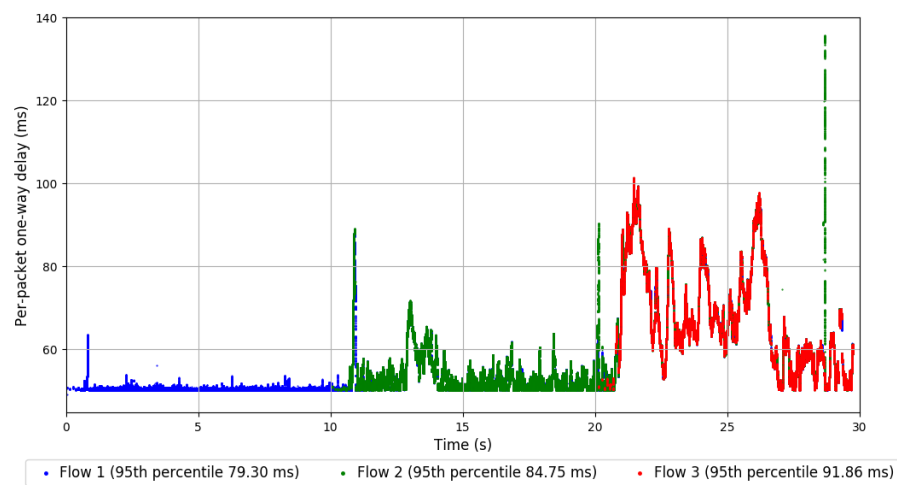
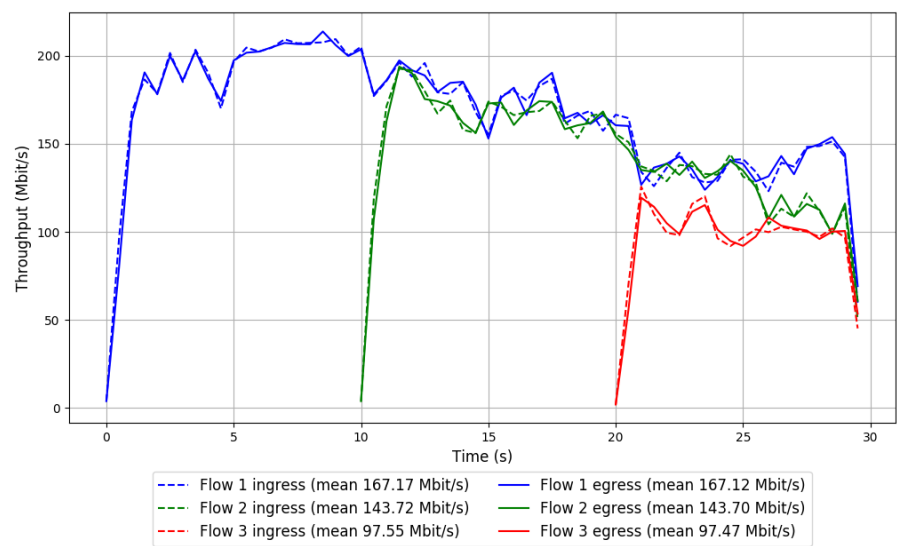


```
Run 10: Statistics of Indigo-1-32

Start at: 2018-01-31 21:34:26
End at: 2018-01-31 21:34:56

# Below is generated by plot.py at 2018-02-01 00:49:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.86 Mbit/s
95th percentile per-packet one-way delay: 84.039 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 167.12 Mbit/s
95th percentile per-packet one-way delay: 79.301 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 143.70 Mbit/s
95th percentile per-packet one-way delay: 84.754 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 91.855 ms
Loss rate: 0.08%
```

Run 10: Report of Indigo-1-32 — Data Link

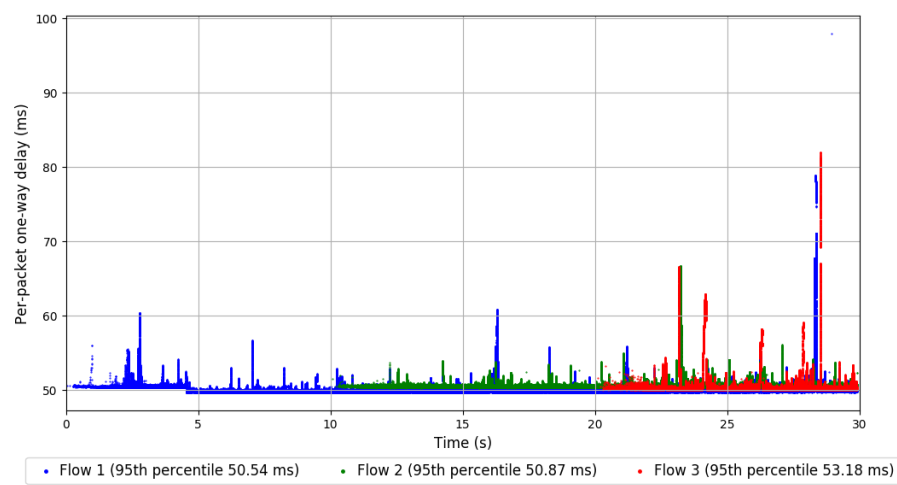
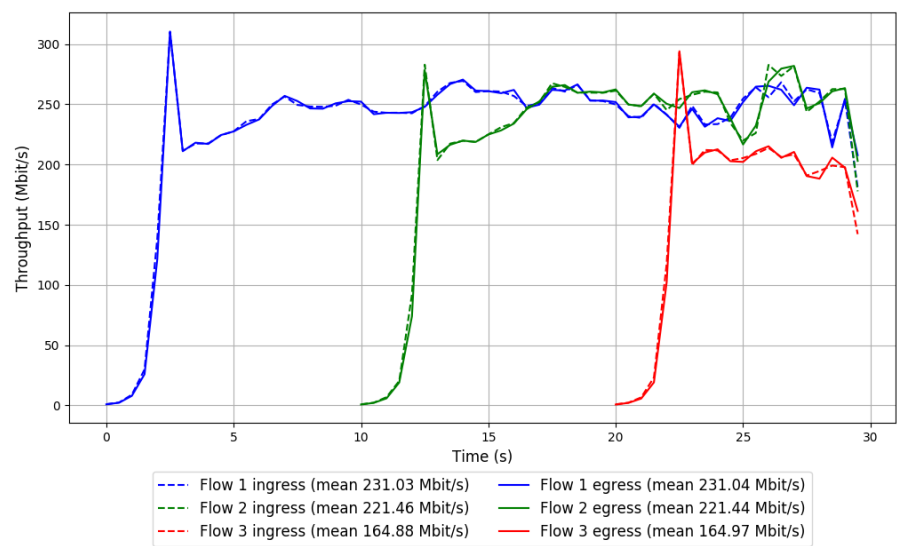


```
Run 1: Statistics of Vivace-latency

Start at: 2018-01-31 19:09:32
End at: 2018-01-31 19:10:02

# Below is generated by plot.py at 2018-02-01 00:52:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 432.24 Mbit/s
95th percentile per-packet one-way delay: 50.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.04 Mbit/s
95th percentile per-packet one-way delay: 50.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.44 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 164.97 Mbit/s
95th percentile per-packet one-way delay: 53.183 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-31 19:25:40

End at: 2018-01-31 19:26:10

Below is generated by plot.py at 2018-02-01 00:53:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 442.21 Mbit/s

95th percentile per-packet one-way delay: 51.116 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 228.44 Mbit/s

95th percentile per-packet one-way delay: 50.411 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 236.17 Mbit/s

95th percentile per-packet one-way delay: 57.582 ms

Loss rate: 0.00%

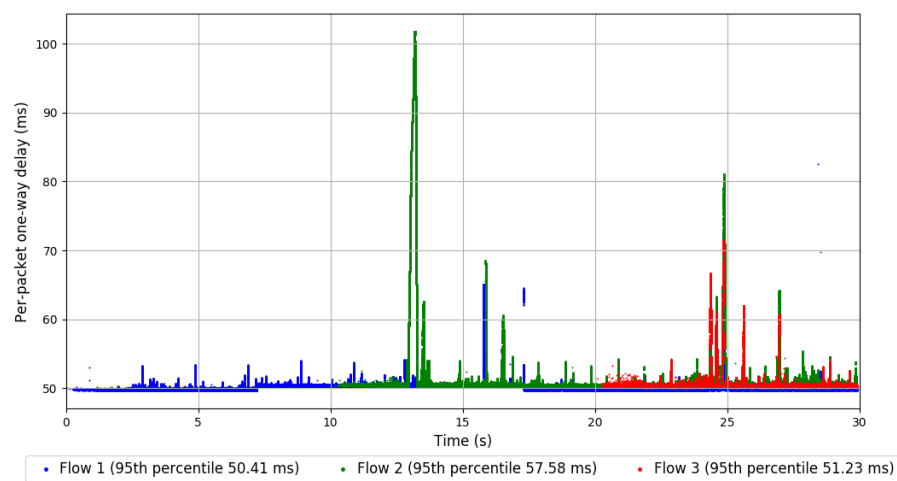
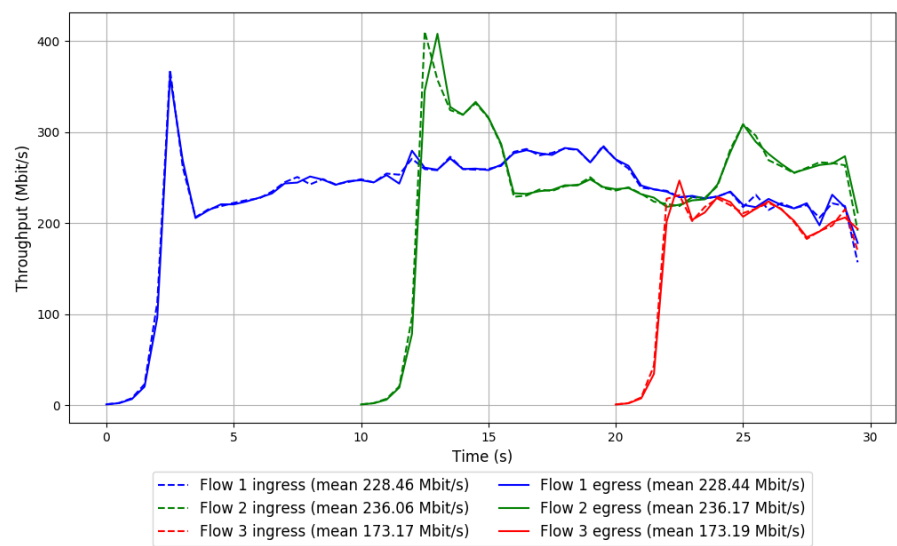
-- Flow 3:

Average throughput: 173.19 Mbit/s

95th percentile per-packet one-way delay: 51.230 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-31 19:41:57

End at: 2018-01-31 19:42:27

Below is generated by plot.py at 2018-02-01 00:54:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.55 Mbit/s

95th percentile per-packet one-way delay: 50.486 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 257.61 Mbit/s

95th percentile per-packet one-way delay: 50.035 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 216.33 Mbit/s

95th percentile per-packet one-way delay: 50.554 ms

Loss rate: 0.00%

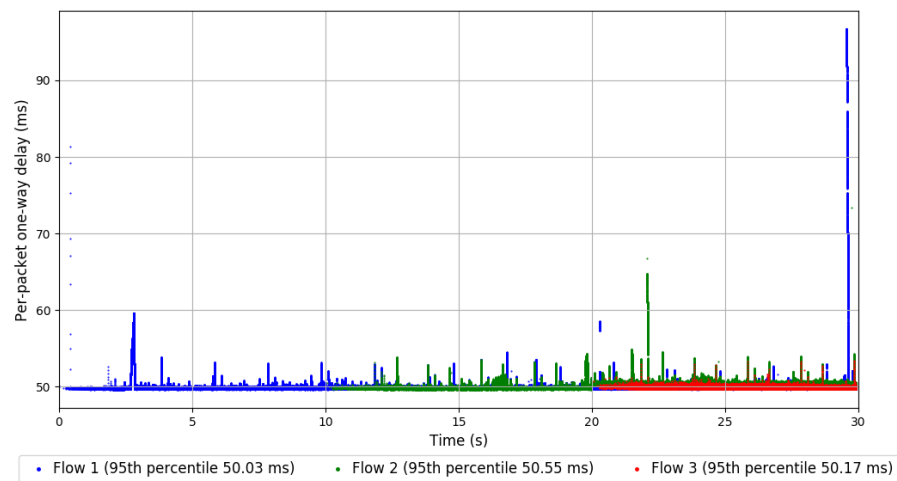
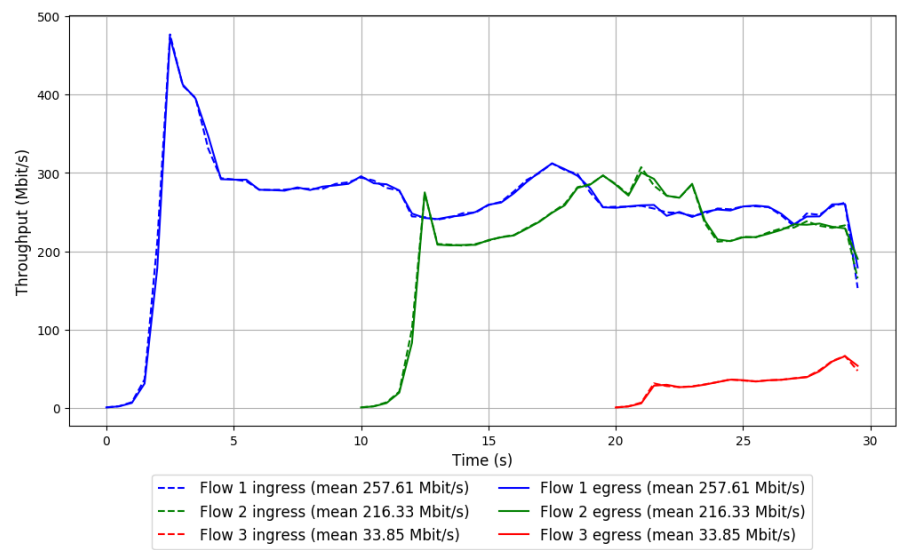
-- Flow 3:

Average throughput: 33.85 Mbit/s

95th percentile per-packet one-way delay: 50.168 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-31 19:57:58

End at: 2018-01-31 19:58:28

Below is generated by plot.py at 2018-02-01 00:55:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 463.13 Mbit/s

95th percentile per-packet one-way delay: 50.549 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 288.09 Mbit/s

95th percentile per-packet one-way delay: 50.629 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 227.77 Mbit/s

95th percentile per-packet one-way delay: 50.424 ms

Loss rate: 0.01%

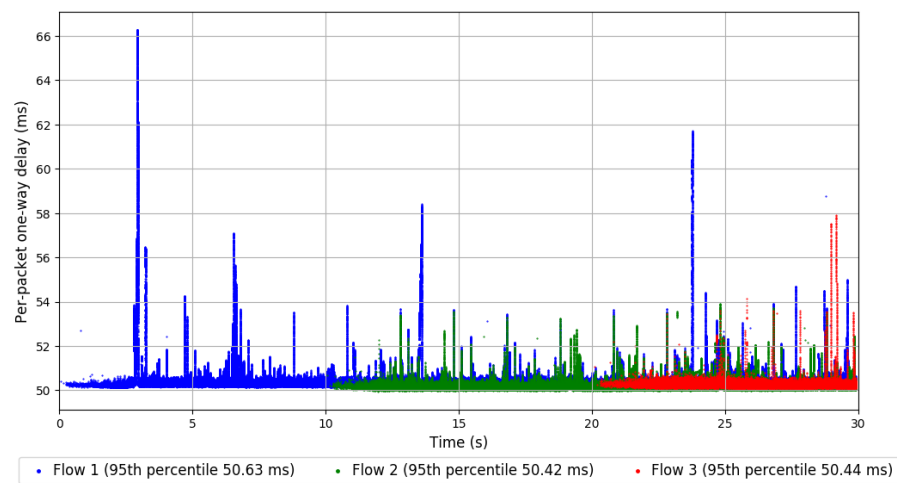
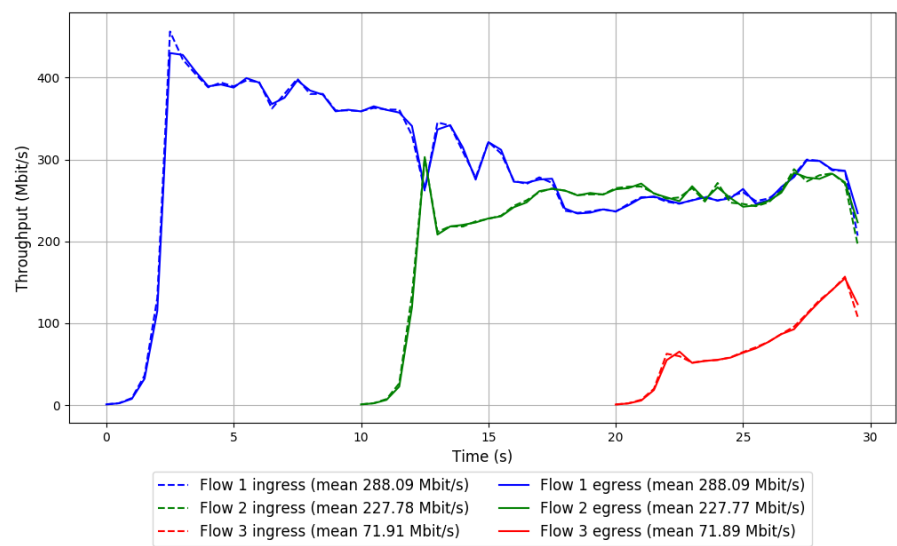
-- Flow 3:

Average throughput: 71.89 Mbit/s

95th percentile per-packet one-way delay: 50.438 ms

Loss rate: 0.05%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-31 20:13:54

End at: 2018-01-31 20:14:24

Below is generated by plot.py at 2018-02-01 00:55:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 404.06 Mbit/s

95th percentile per-packet one-way delay: 50.348 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 234.66 Mbit/s

95th percentile per-packet one-way delay: 49.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 195.89 Mbit/s

95th percentile per-packet one-way delay: 50.639 ms

Loss rate: 0.00%

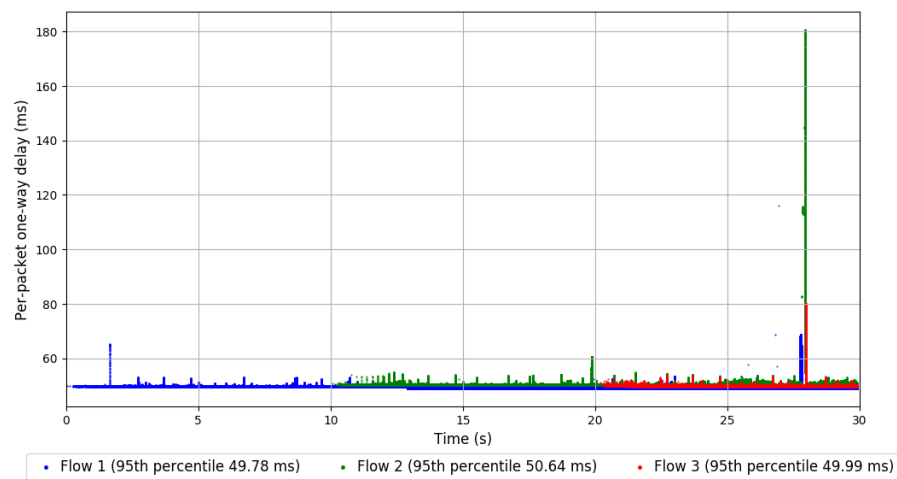
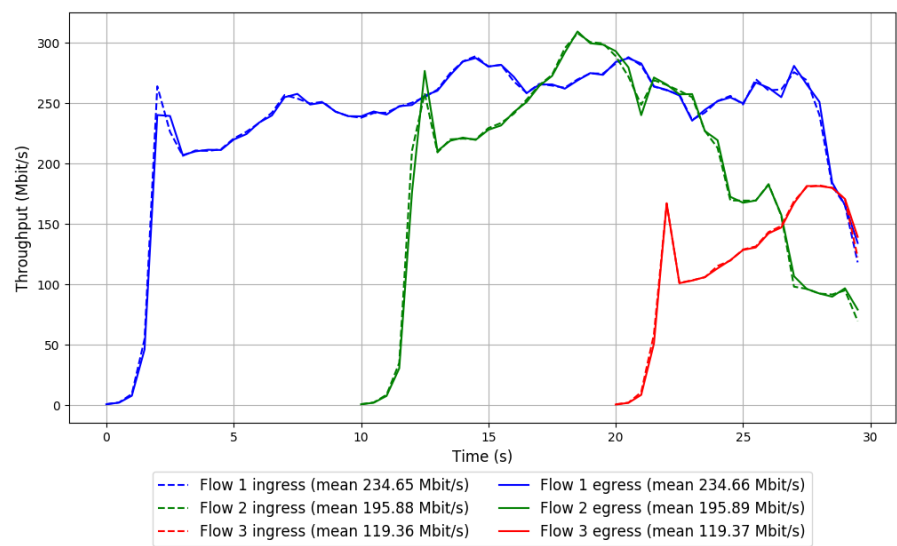
-- Flow 3:

Average throughput: 119.37 Mbit/s

95th percentile per-packet one-way delay: 49.991 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-31 20:29:51

End at: 2018-01-31 20:30:21

Below is generated by plot.py at 2018-02-01 00:57:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 465.24 Mbit/s

95th percentile per-packet one-way delay: 50.313 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 271.60 Mbit/s

95th percentile per-packet one-way delay: 49.350 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 204.00 Mbit/s

95th percentile per-packet one-way delay: 50.448 ms

Loss rate: 0.00%

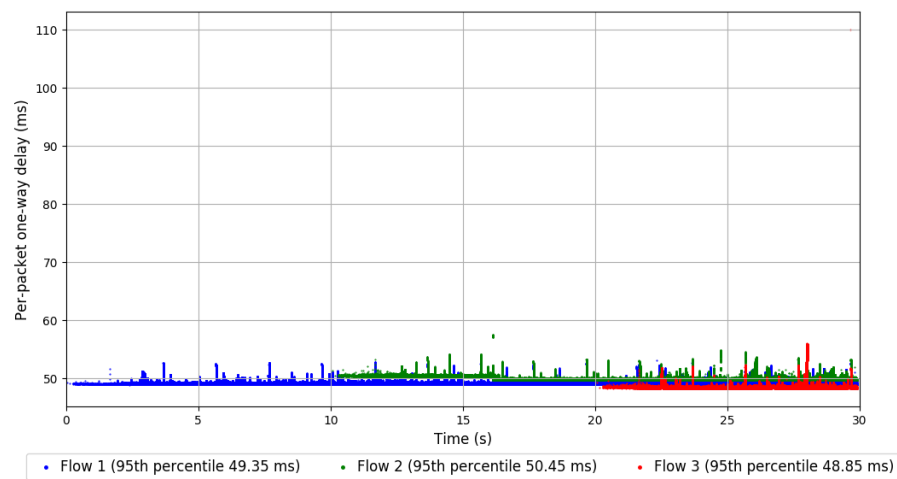
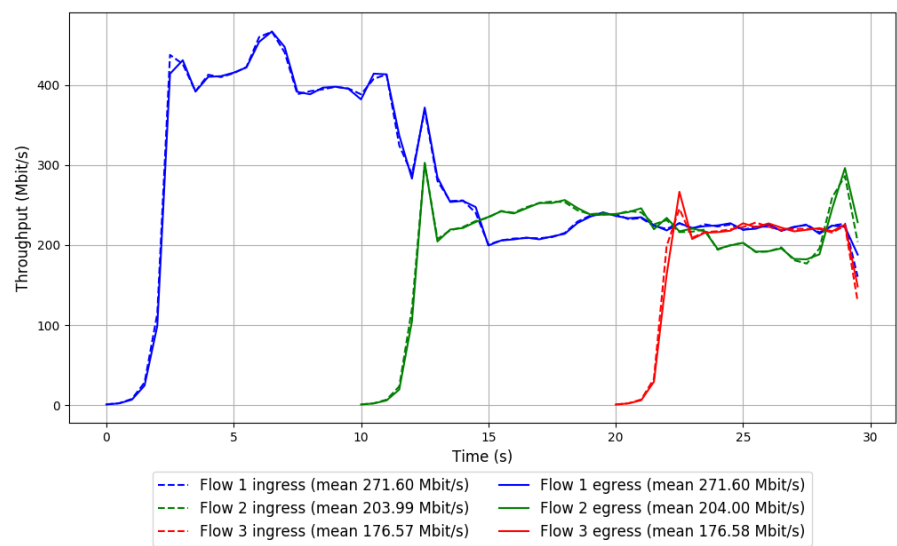
-- Flow 3:

Average throughput: 176.58 Mbit/s

95th percentile per-packet one-way delay: 48.849 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-01-31 20:45:05

End at: 2018-01-31 20:45:35

Below is generated by plot.py at 2018-02-01 00:57:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.51 Mbit/s

95th percentile per-packet one-way delay: 50.643 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 208.99 Mbit/s

95th percentile per-packet one-way delay: 50.394 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 171.32 Mbit/s

95th percentile per-packet one-way delay: 50.756 ms

Loss rate: 0.00%

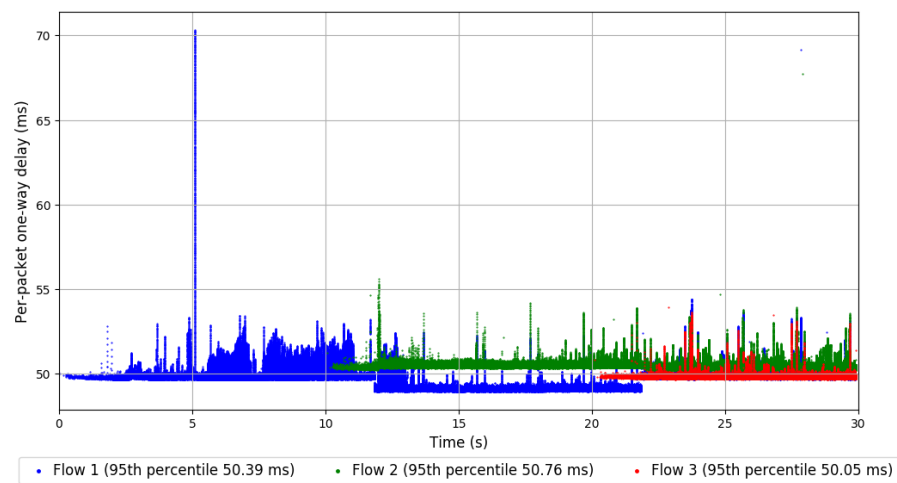
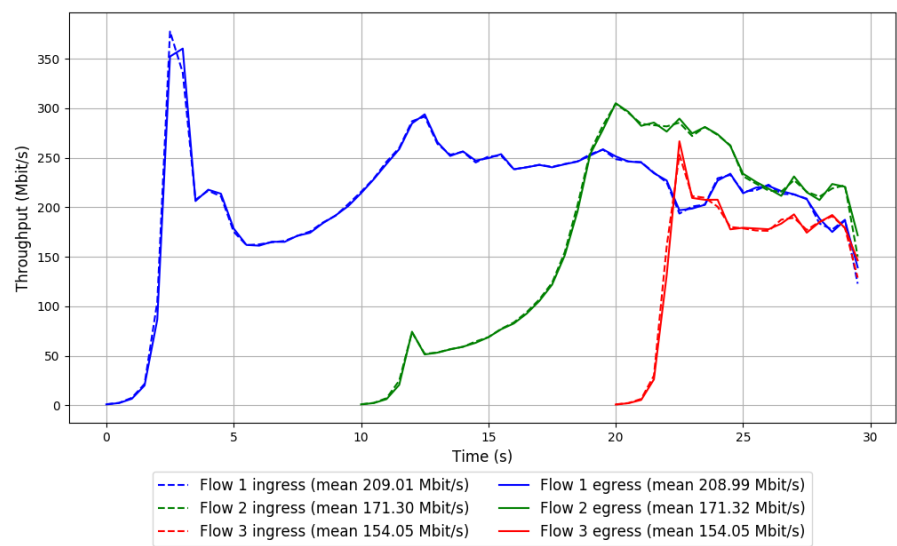
-- Flow 3:

Average throughput: 154.05 Mbit/s

95th percentile per-packet one-way delay: 50.046 ms

Loss rate: 0.03%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-31 21:00:07

End at: 2018-01-31 21:00:37

Below is generated by plot.py at 2018-02-01 00:57:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 403.73 Mbit/s

95th percentile per-packet one-way delay: 50.595 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 218.22 Mbit/s

95th percentile per-packet one-way delay: 49.567 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 223.72 Mbit/s

95th percentile per-packet one-way delay: 50.815 ms

Loss rate: 0.00%

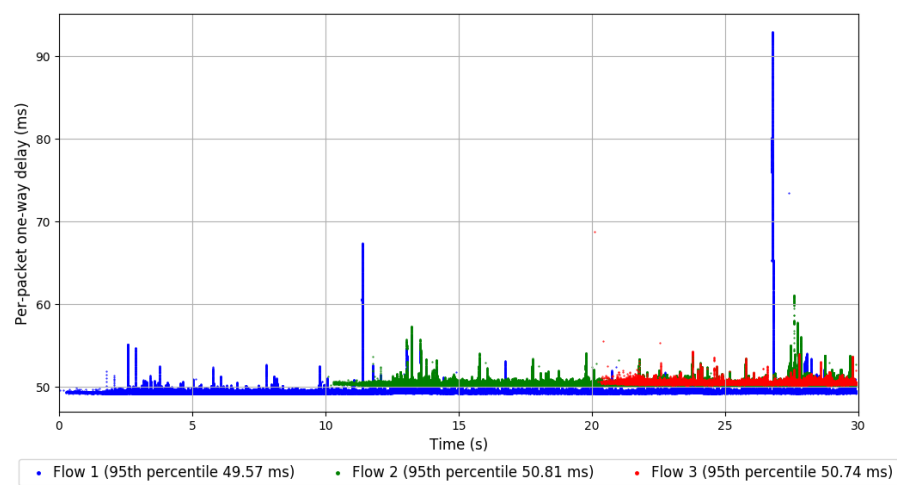
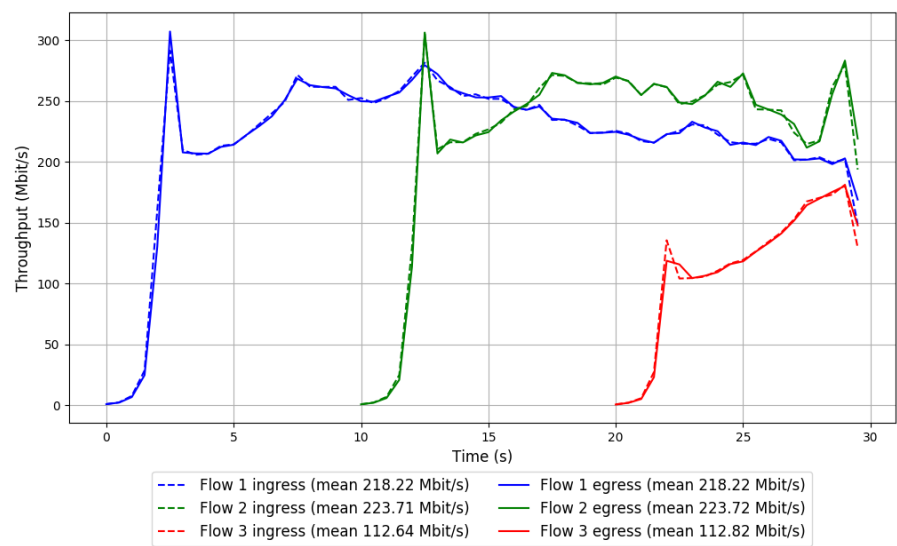
-- Flow 3:

Average throughput: 112.82 Mbit/s

95th percentile per-packet one-way delay: 50.743 ms

Loss rate: 0.01%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-01-31 21:15:13

End at: 2018-01-31 21:15:43

Below is generated by plot.py at 2018-02-01 01:02:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 460.10 Mbit/s

95th percentile per-packet one-way delay: 49.623 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 261.19 Mbit/s

95th percentile per-packet one-way delay: 49.745 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 218.23 Mbit/s

95th percentile per-packet one-way delay: 49.424 ms

Loss rate: 0.00%

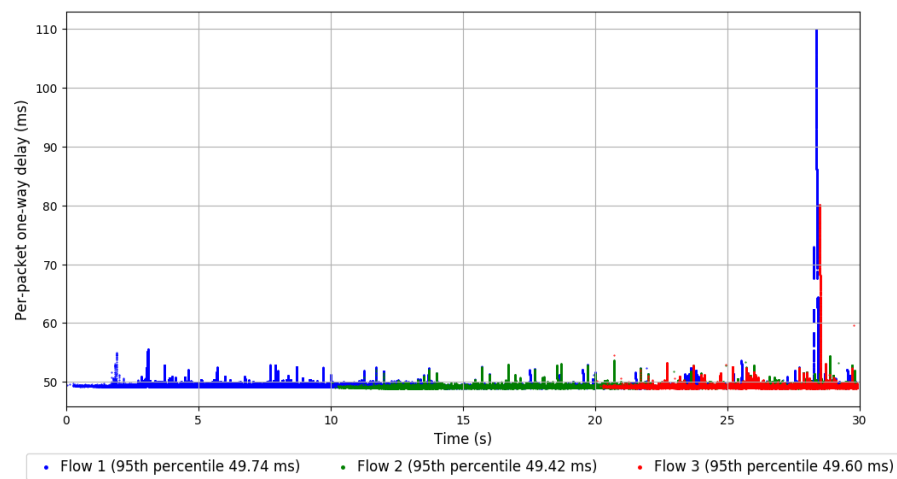
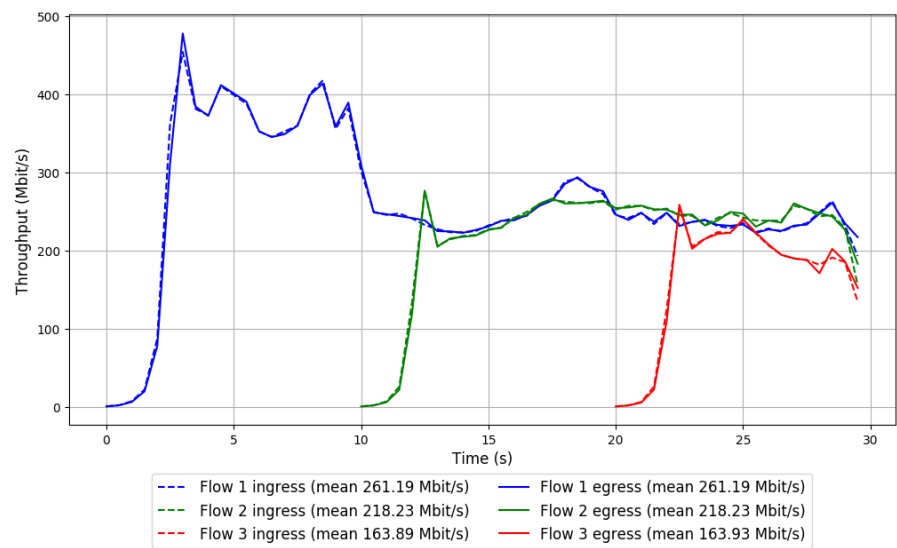
-- Flow 3:

Average throughput: 163.93 Mbit/s

95th percentile per-packet one-way delay: 49.596 ms

Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-31 21:30:37

End at: 2018-01-31 21:31:07

Below is generated by plot.py at 2018-02-01 01:02:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 349.51 Mbit/s

95th percentile per-packet one-way delay: 50.665 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 145.25 Mbit/s

95th percentile per-packet one-way delay: 50.427 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 211.80 Mbit/s

95th percentile per-packet one-way delay: 50.678 ms

Loss rate: 0.00%

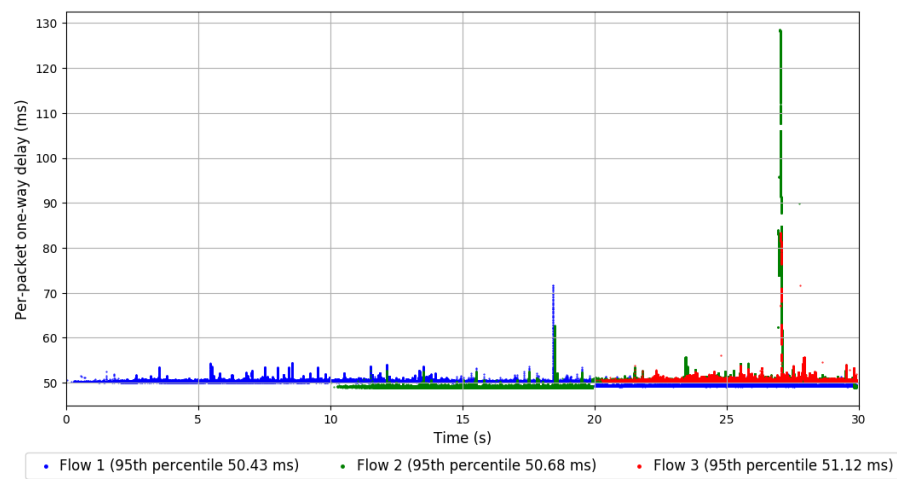
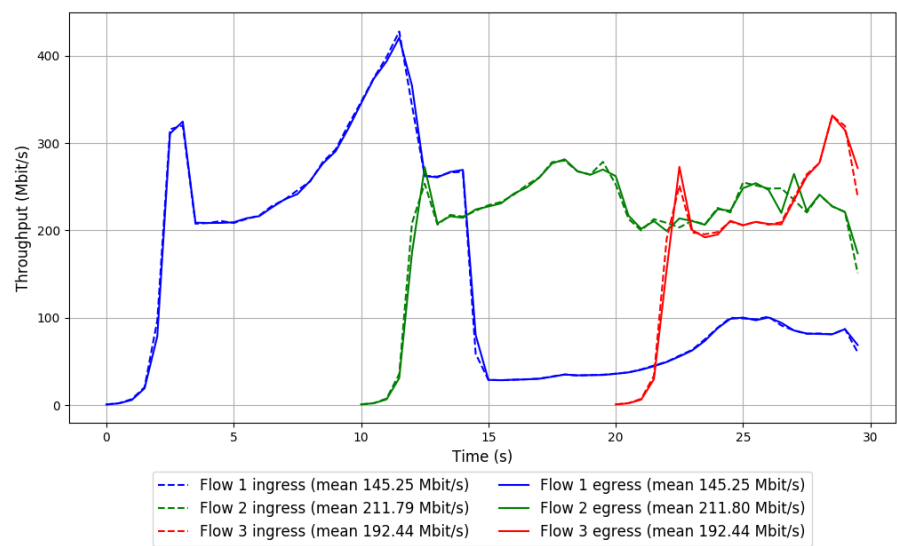
-- Flow 3:

Average throughput: 192.44 Mbit/s

95th percentile per-packet one-way delay: 51.117 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

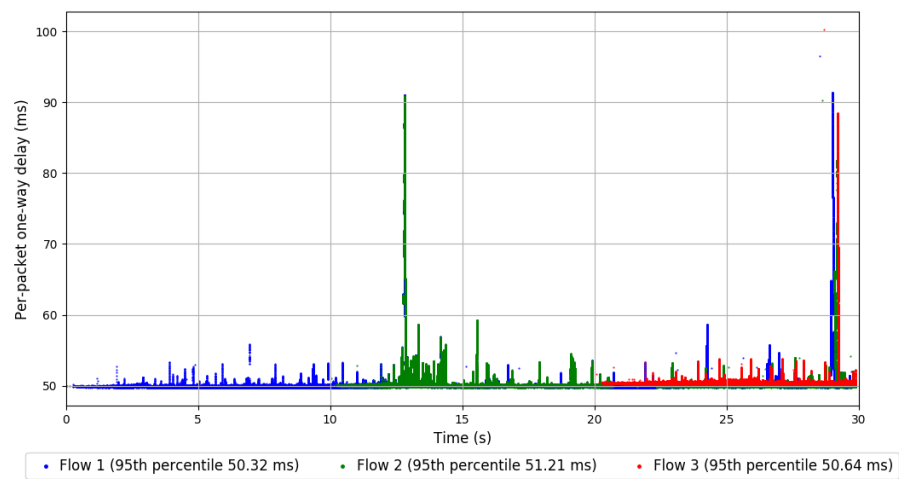
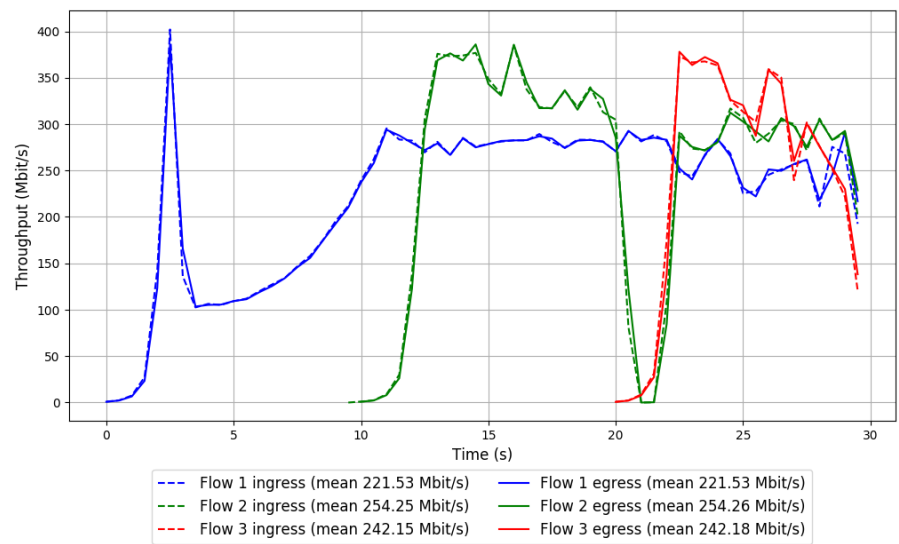


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-31 19:02:57
End at: 2018-01-31 19:03:27

# Below is generated by plot.py at 2018-02-01 01:03:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 470.28 Mbit/s
95th percentile per-packet one-way delay: 50.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.53 Mbit/s
95th percentile per-packet one-way delay: 50.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 254.26 Mbit/s
95th percentile per-packet one-way delay: 51.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 242.18 Mbit/s
95th percentile per-packet one-way delay: 50.636 ms
Loss rate: 0.00%
```

Run 1: Report of Vivace-loss — Data Link

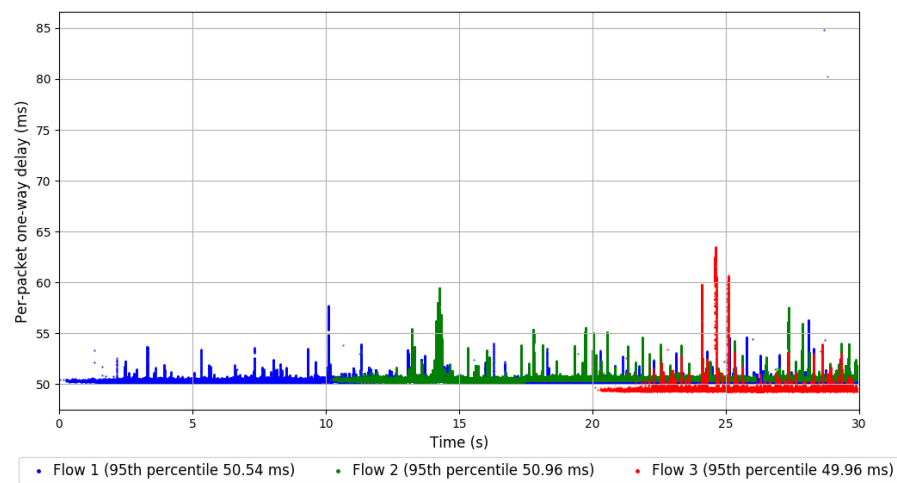
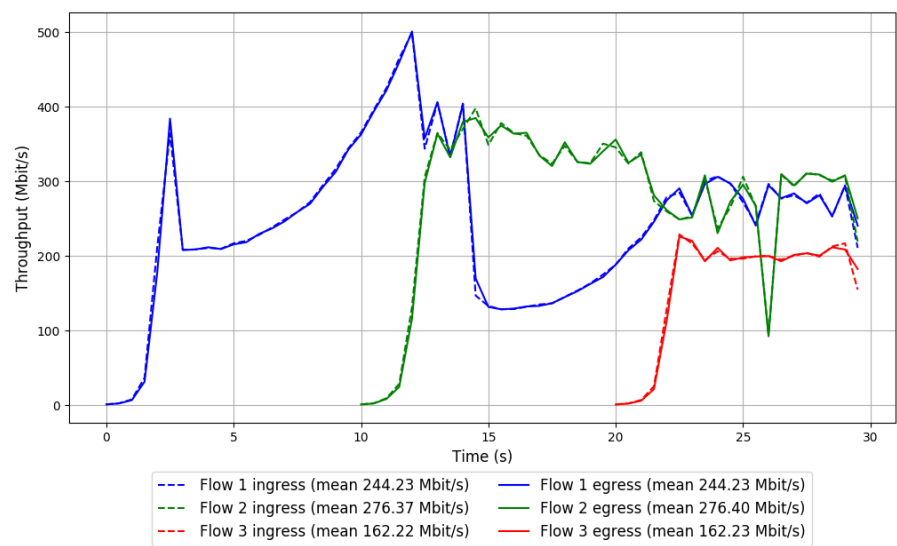


```
Run 2: Statistics of Vivace-loss

Start at: 2018-01-31 19:19:09
End at: 2018-01-31 19:19:39

# Below is generated by plot.py at 2018-02-01 01:04:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 481.30 Mbit/s
95th percentile per-packet one-way delay: 50.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 244.23 Mbit/s
95th percentile per-packet one-way delay: 50.536 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 276.40 Mbit/s
95th percentile per-packet one-way delay: 50.961 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 162.23 Mbit/s
95th percentile per-packet one-way delay: 49.963 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-01-31 19:35:24

End at: 2018-01-31 19:35:54

Below is generated by plot.py at 2018-02-01 01:06:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 532.84 Mbit/s

95th percentile per-packet one-way delay: 50.397 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 313.92 Mbit/s

95th percentile per-packet one-way delay: 49.892 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 235.33 Mbit/s

95th percentile per-packet one-way delay: 49.684 ms

Loss rate: 0.00%

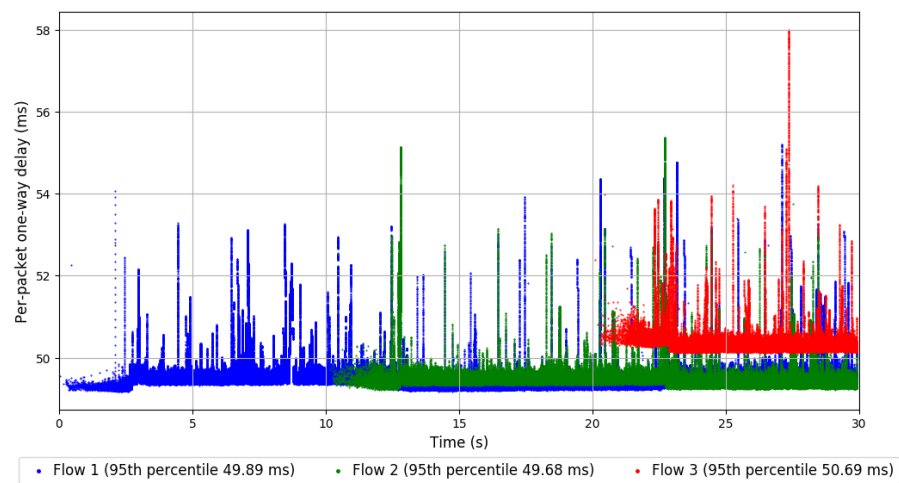
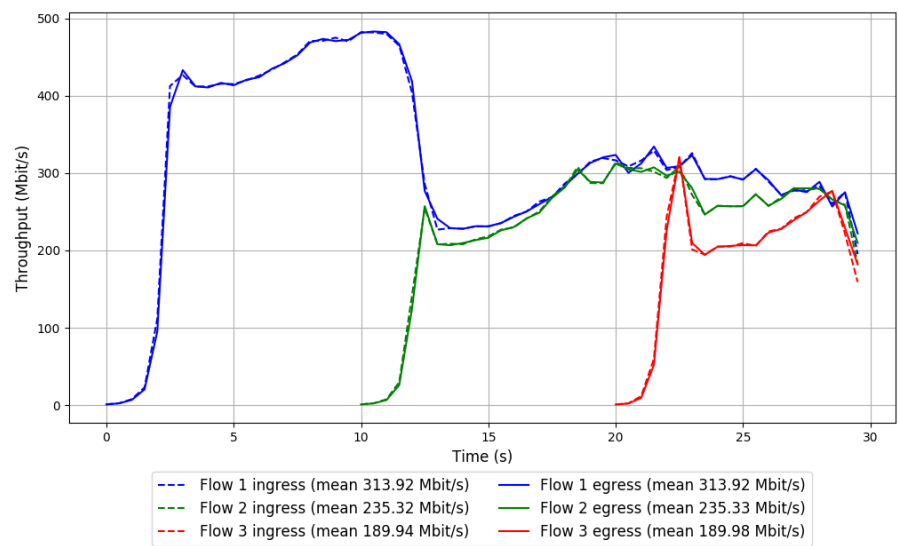
-- Flow 3:

Average throughput: 189.98 Mbit/s

95th percentile per-packet one-way delay: 50.692 ms

Loss rate: 0.00%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-31 19:51:35

End at: 2018-01-31 19:52:05

Below is generated by plot.py at 2018-02-01 01:06:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.99 Mbit/s

95th percentile per-packet one-way delay: 53.515 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 220.67 Mbit/s

95th percentile per-packet one-way delay: 58.131 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.38 Mbit/s

95th percentile per-packet one-way delay: 51.071 ms

Loss rate: 0.00%

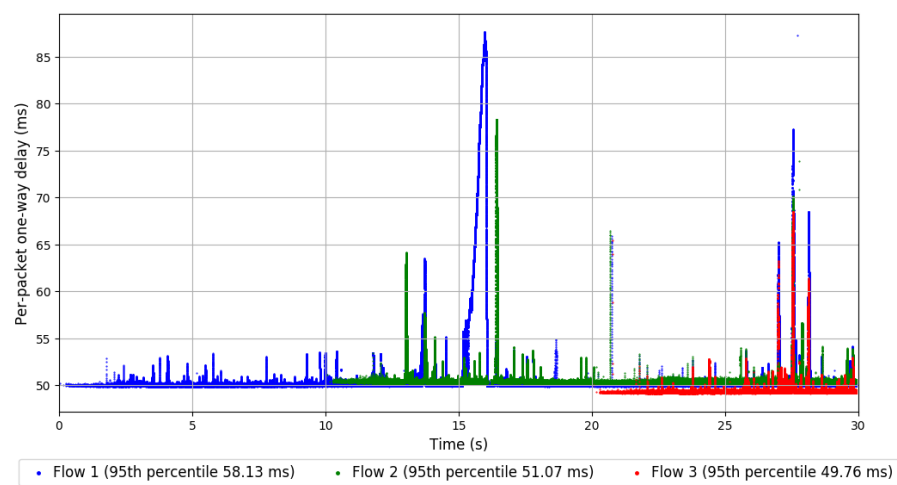
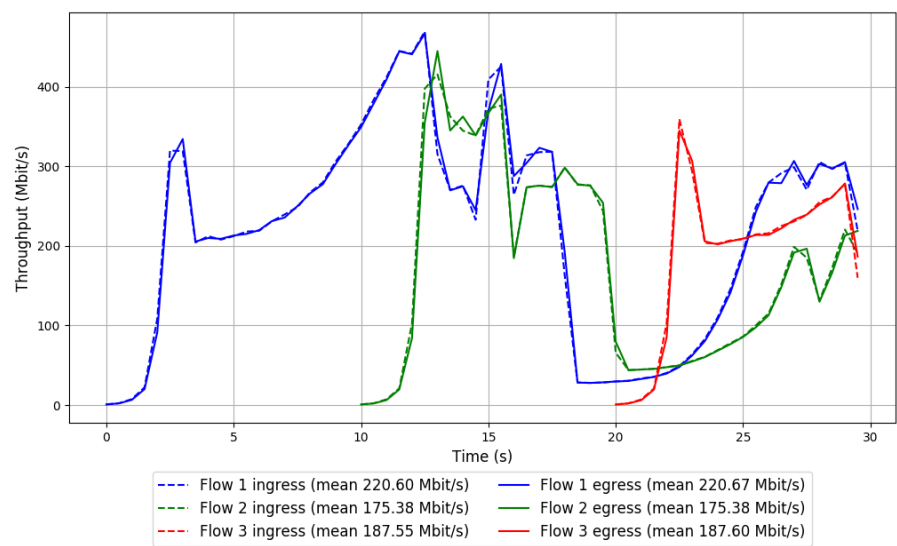
-- Flow 3:

Average throughput: 187.60 Mbit/s

95th percentile per-packet one-way delay: 49.764 ms

Loss rate: 0.00%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-31 20:07:28

End at: 2018-01-31 20:07:58

Below is generated by plot.py at 2018-02-01 01:07:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 470.09 Mbit/s

95th percentile per-packet one-way delay: 51.166 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 265.32 Mbit/s

95th percentile per-packet one-way delay: 52.447 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 218.81 Mbit/s

95th percentile per-packet one-way delay: 50.429 ms

Loss rate: 0.00%

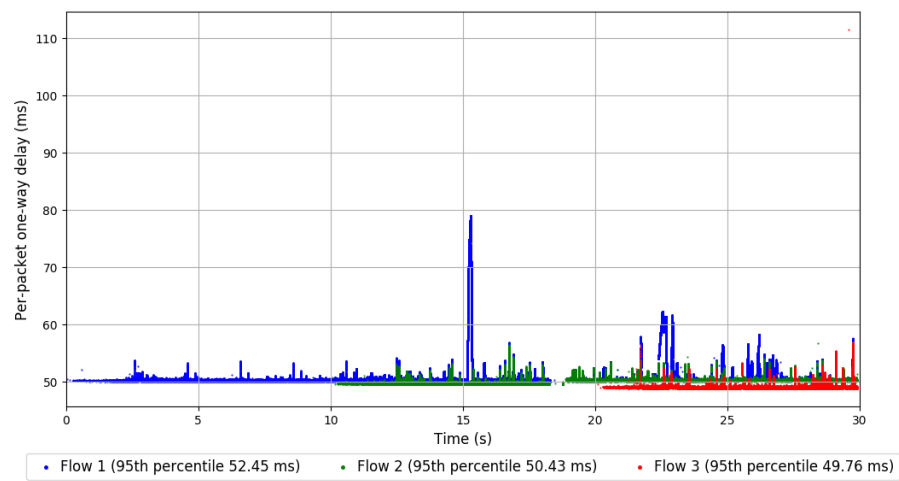
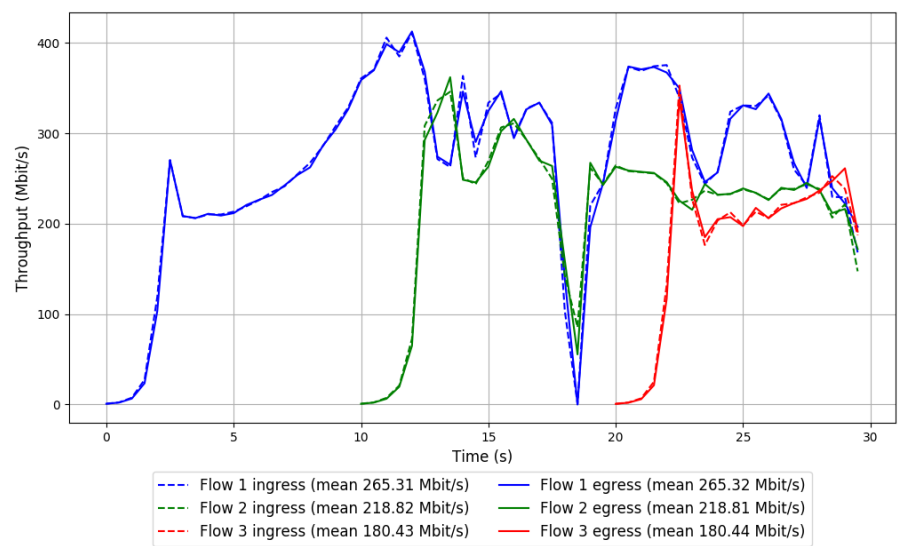
-- Flow 3:

Average throughput: 180.44 Mbit/s

95th percentile per-packet one-way delay: 49.761 ms

Loss rate: 0.00%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-31 20:23:25

End at: 2018-01-31 20:23:55

Below is generated by plot.py at 2018-02-01 01:07:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.74 Mbit/s

95th percentile per-packet one-way delay: 50.526 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 210.25 Mbit/s

95th percentile per-packet one-way delay: 50.563 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 198.01 Mbit/s

95th percentile per-packet one-way delay: 49.956 ms

Loss rate: 0.00%

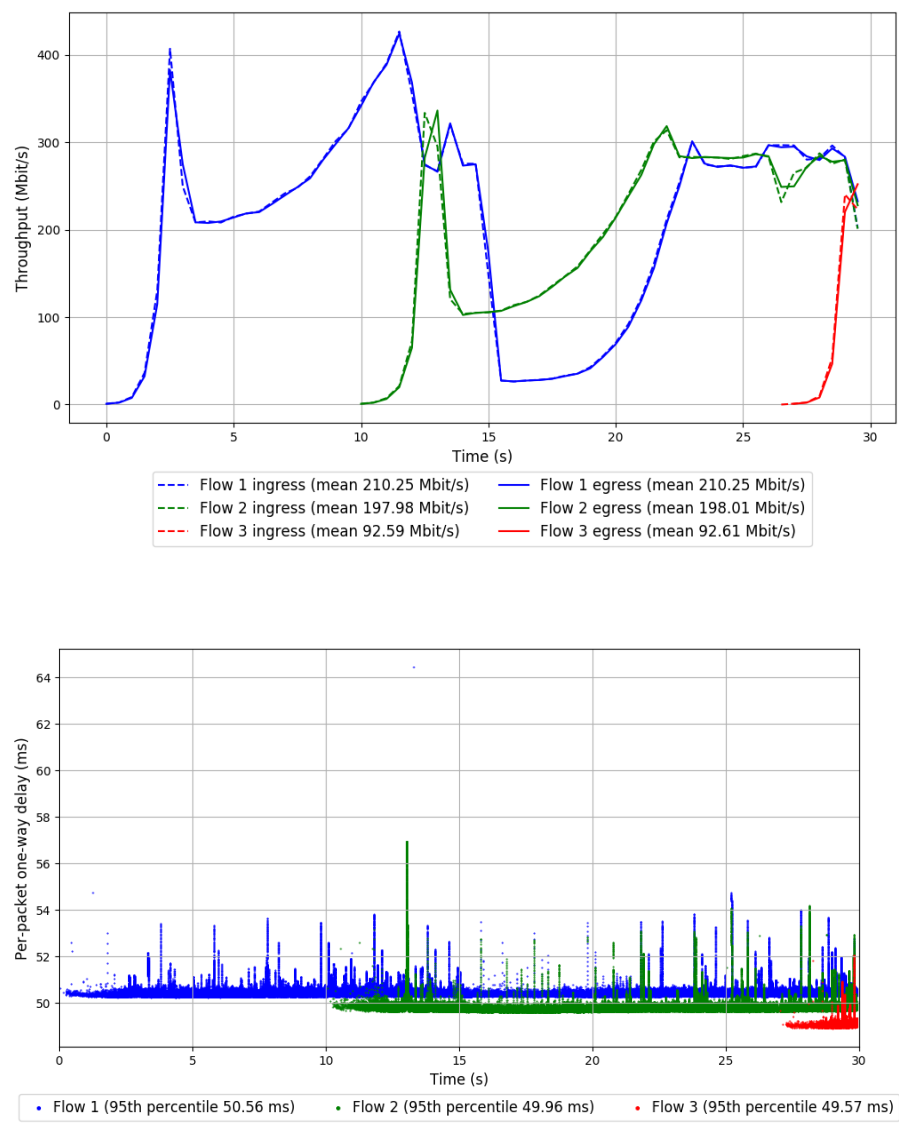
-- Flow 3:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 49.569 ms

Loss rate: 0.00%

Run 6: Report of Vivace-loss — Data Link

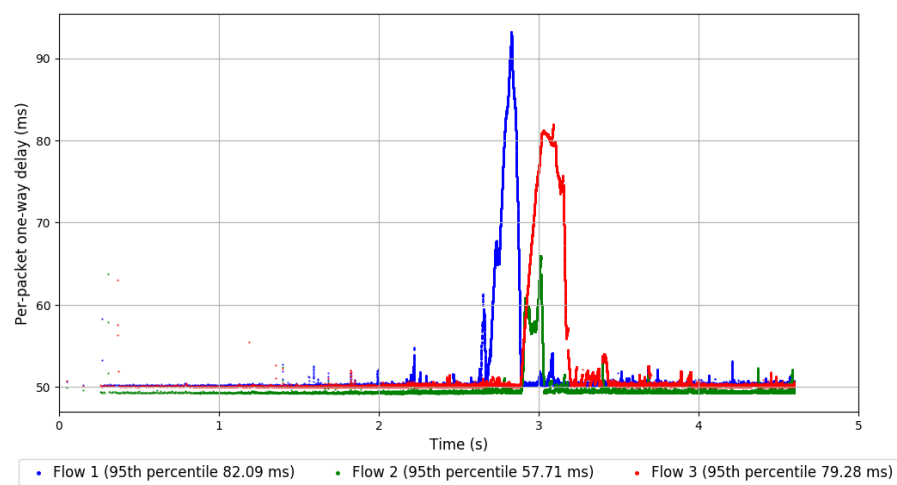
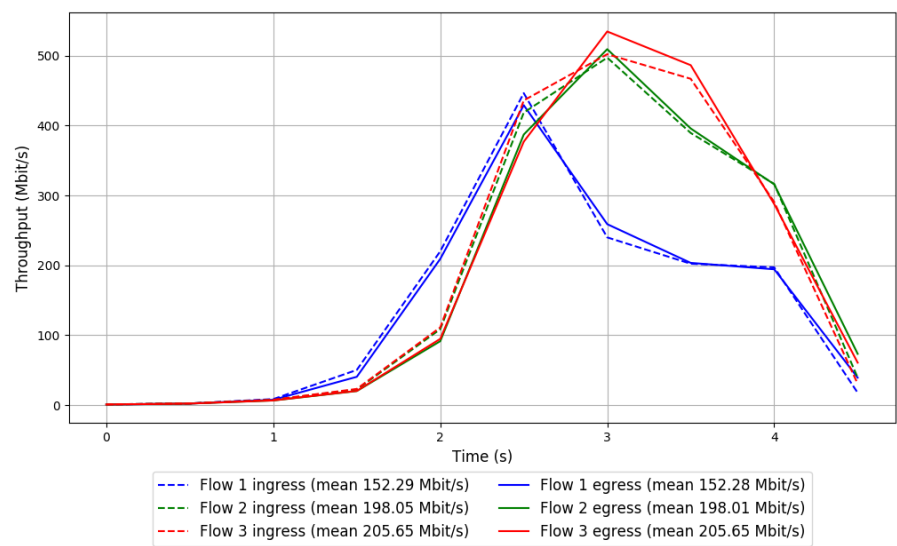


Run 7: Statistics of Vivace-loss

Start at: 2018-01-31 20:39:30

End at: 2018-01-31 20:40:00

Run 7: Report of Vivace-loss — Data Link

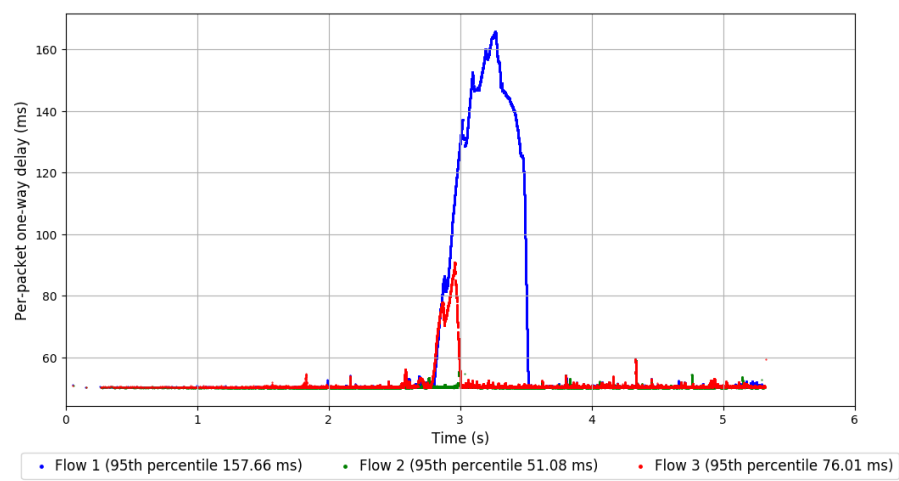
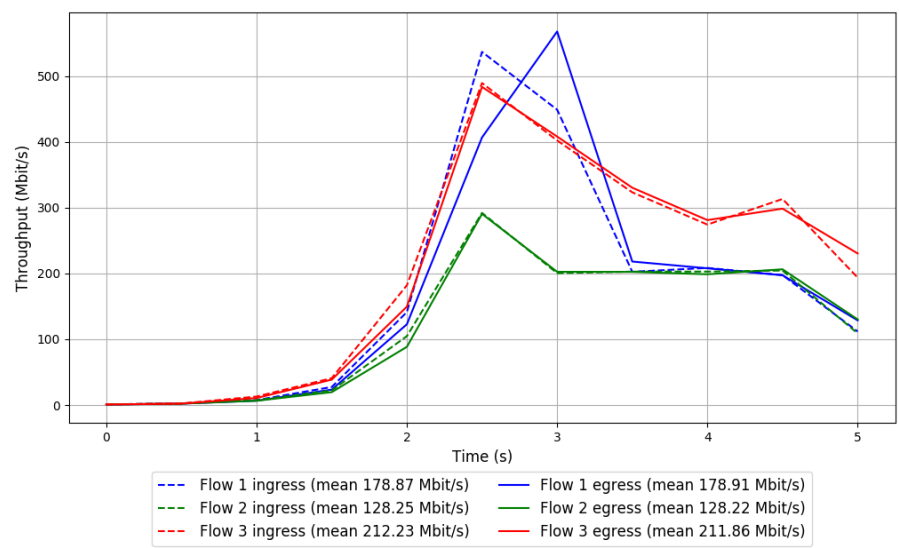


Run 8: Statistics of Vivace-loss

Start at: 2018-01-31 20:54:38

End at: 2018-01-31 20:55:08

Run 8: Report of Vivace-loss — Data Link

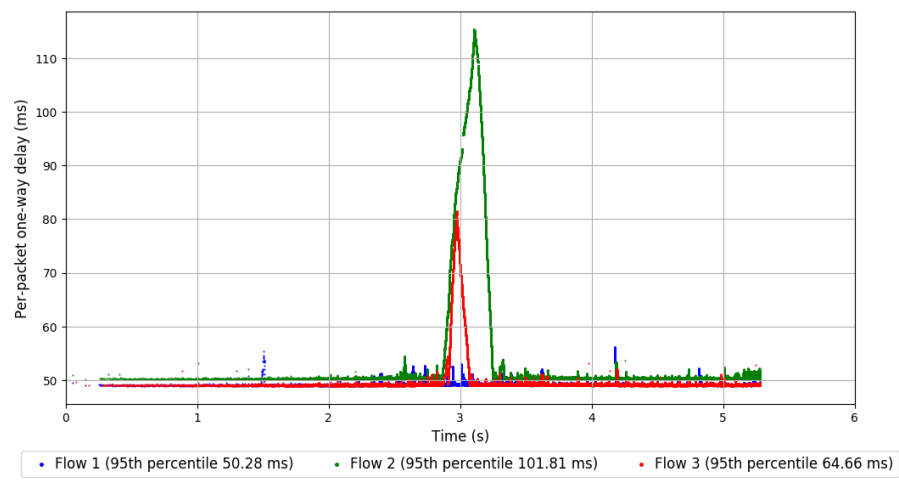
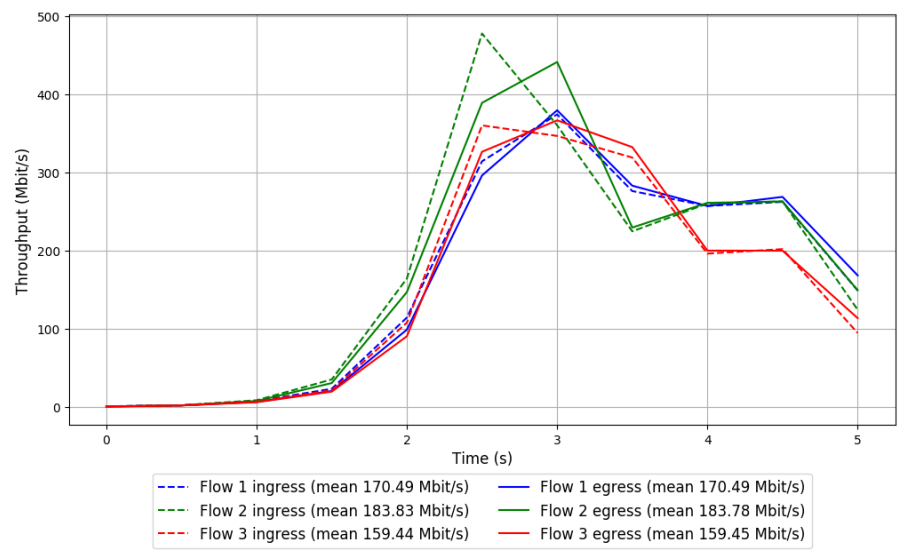


Run 9: Statistics of Vivace-loss

Start at: 2018-01-31 21:09:39

End at: 2018-01-31 21:10:09

Run 9: Report of Vivace-loss — Data Link

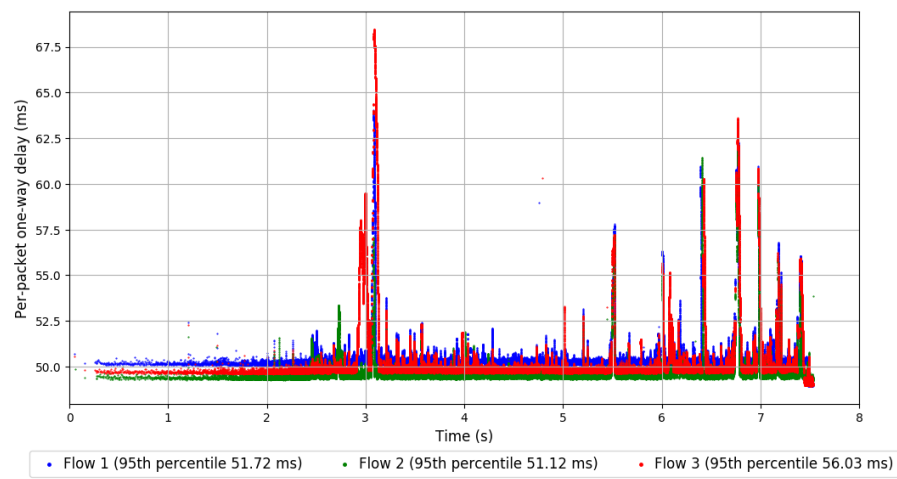
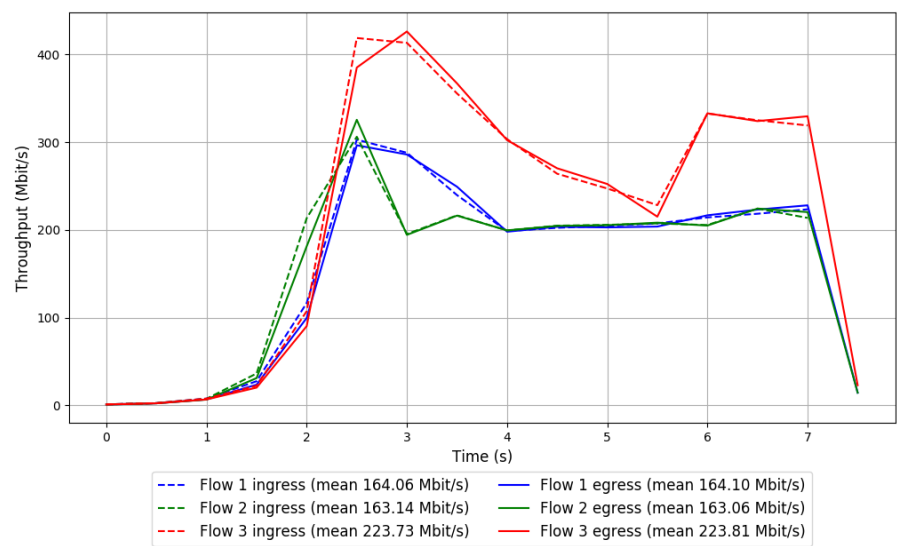


Run 10: Statistics of Vivace-loss

Start at: 2018-01-31 21:24:57

End at: 2018-01-31 21:25:27

Run 10: Report of Vivace-loss — Data Link

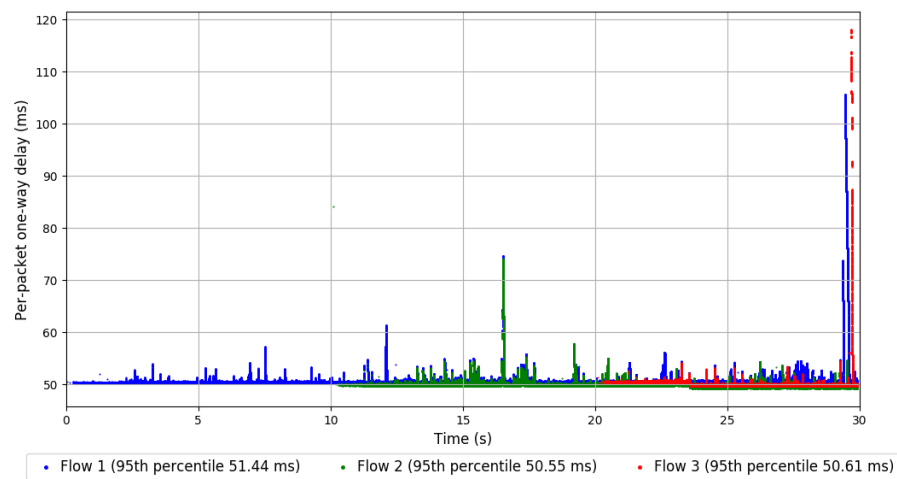
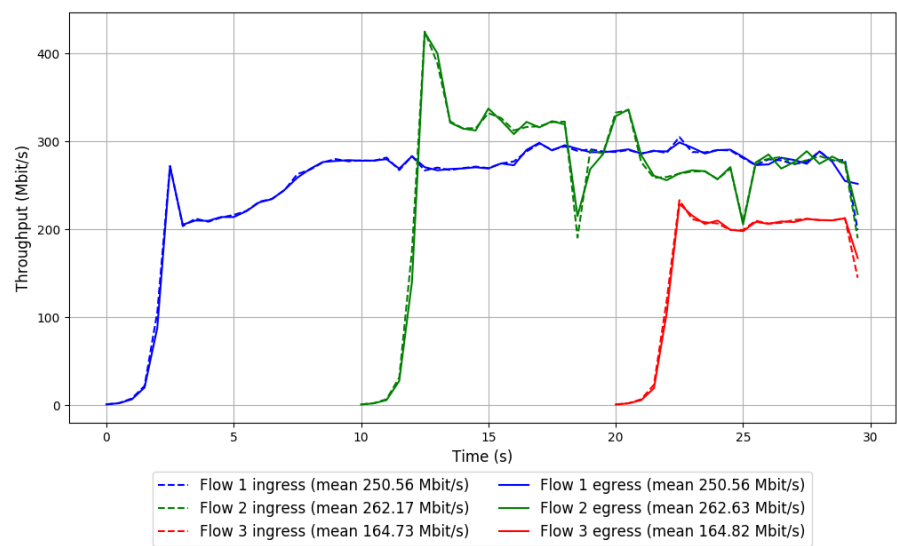


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-01-31 19:04:13
End at: 2018-01-31 19:04:43

# Below is generated by plot.py at 2018-02-01 01:13:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 479.02 Mbit/s
95th percentile per-packet one-way delay: 51.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 250.56 Mbit/s
95th percentile per-packet one-way delay: 51.435 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 262.63 Mbit/s
95th percentile per-packet one-way delay: 50.554 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 164.82 Mbit/s
95th percentile per-packet one-way delay: 50.613 ms
Loss rate: 0.00%
```


Run 1: Report of Vivace-LTE — Data Link

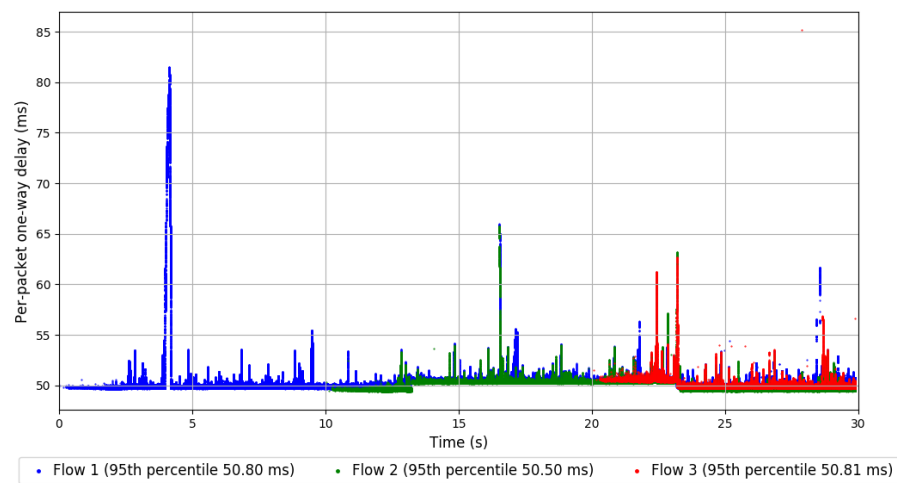
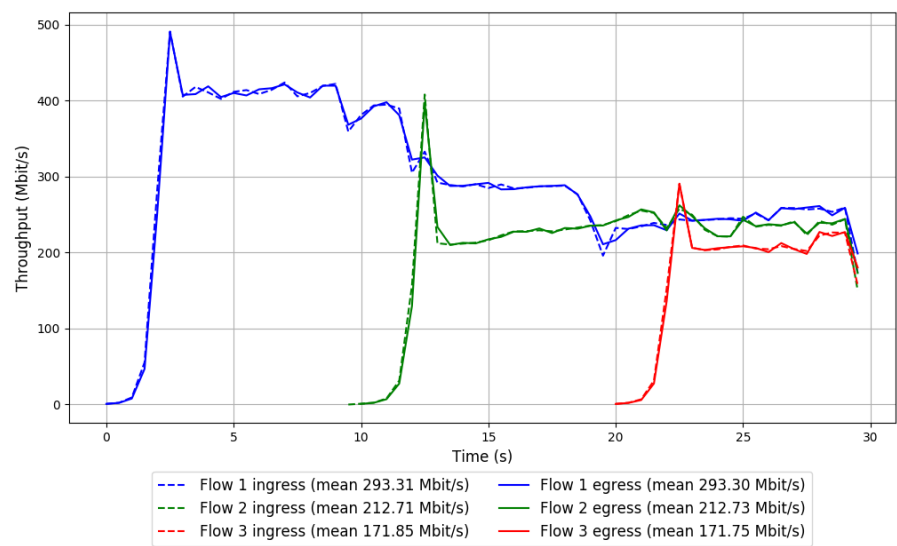


```
Run 2: Statistics of Vivace-LTE

Start at: 2018-01-31 19:20:24
End at: 2018-01-31 19:20:54

# Below is generated by plot.py at 2018-02-01 01:13:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.30 Mbit/s
95th percentile per-packet one-way delay: 50.700 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 293.30 Mbit/s
95th percentile per-packet one-way delay: 50.804 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 212.73 Mbit/s
95th percentile per-packet one-way delay: 50.498 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 171.75 Mbit/s
95th percentile per-packet one-way delay: 50.807 ms
Loss rate: 0.01%
```

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-31 19:36:42

End at: 2018-01-31 19:37:12

Below is generated by plot.py at 2018-02-01 01:13:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.16 Mbit/s

95th percentile per-packet one-way delay: 50.778 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 297.88 Mbit/s

95th percentile per-packet one-way delay: 50.629 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 219.42 Mbit/s

95th percentile per-packet one-way delay: 51.206 ms

Loss rate: 0.00%

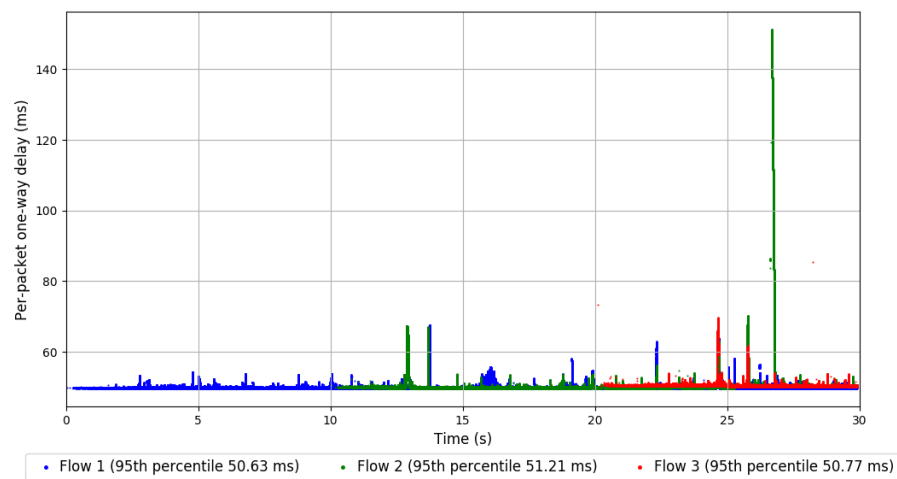
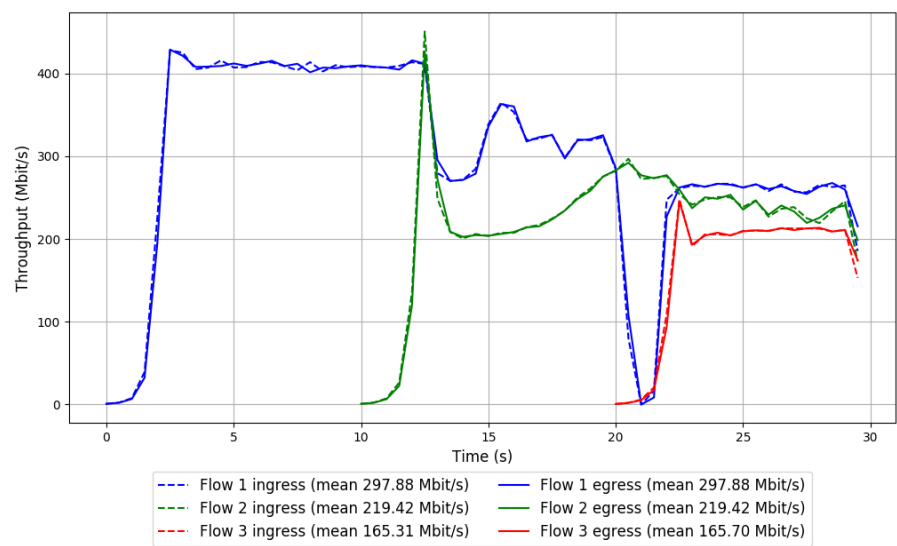
-- Flow 3:

Average throughput: 165.70 Mbit/s

95th percentile per-packet one-way delay: 50.769 ms

Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-31 19:52:45

End at: 2018-01-31 19:53:15

Below is generated by plot.py at 2018-02-01 01:13:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 480.46 Mbit/s

95th percentile per-packet one-way delay: 50.543 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 248.96 Mbit/s

95th percentile per-packet one-way delay: 50.543 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 263.32 Mbit/s

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

Loss rate: 0.00%

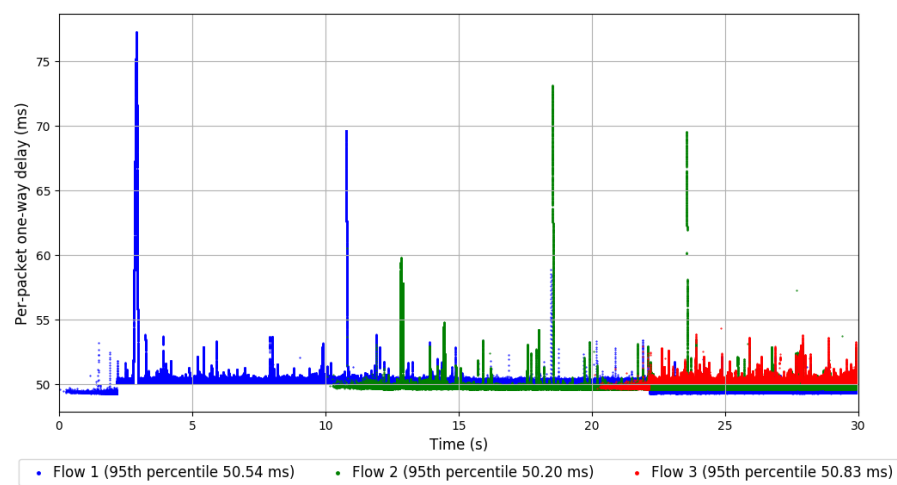
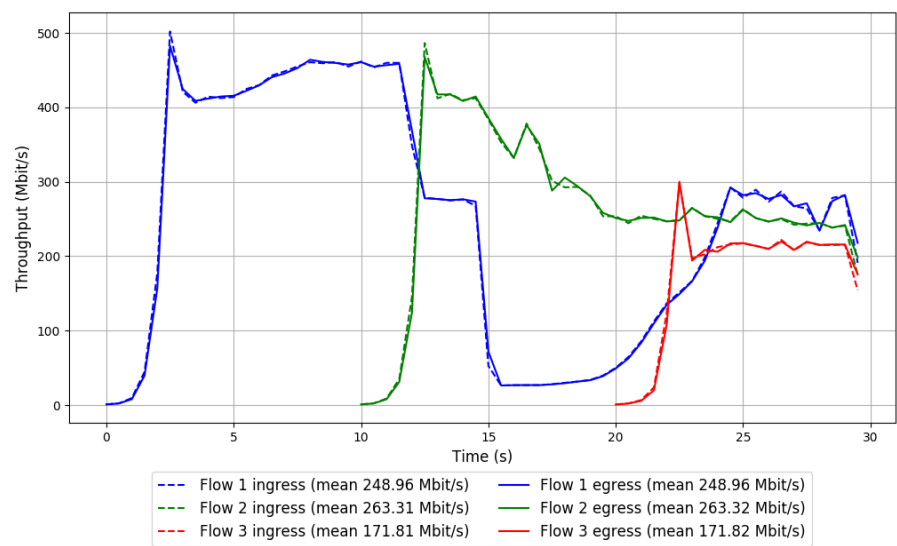
-- Flow 3:

Average throughput: 171.82 Mbit/s

95th percentile per-packet one-way delay: 50.825 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-31 20:08:42

End at: 2018-01-31 20:09:12

Below is generated by plot.py at 2018-02-01 01:13:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 470.81 Mbit/s

95th percentile per-packet one-way delay: 50.482 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 261.62 Mbit/s

95th percentile per-packet one-way delay: 50.510 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 229.86 Mbit/s

95th percentile per-packet one-way delay: 50.306 ms

Loss rate: 0.01%

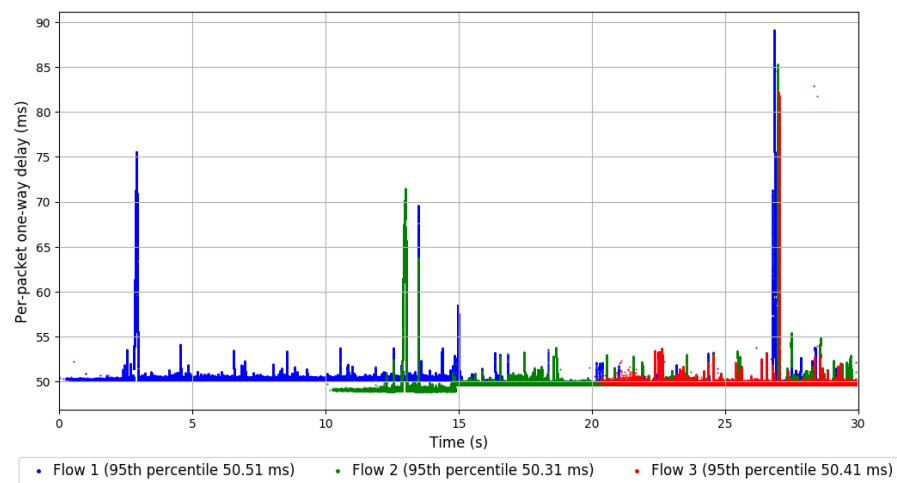
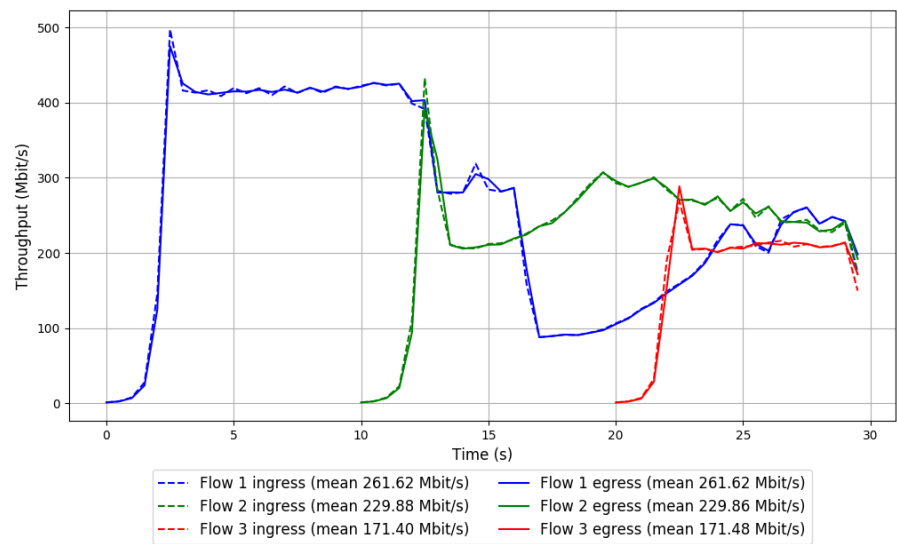
-- Flow 3:

Average throughput: 171.48 Mbit/s

95th percentile per-packet one-way delay: 50.414 ms

Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-01-31 20:24:30

End at: 2018-01-31 20:25:00

Below is generated by plot.py at 2018-02-01 01:13:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 434.07 Mbit/s

95th percentile per-packet one-way delay: 50.343 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 242.71 Mbit/s

95th percentile per-packet one-way delay: 50.395 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.26 Mbit/s

95th percentile per-packet one-way delay: 49.903 ms

Loss rate: 0.00%

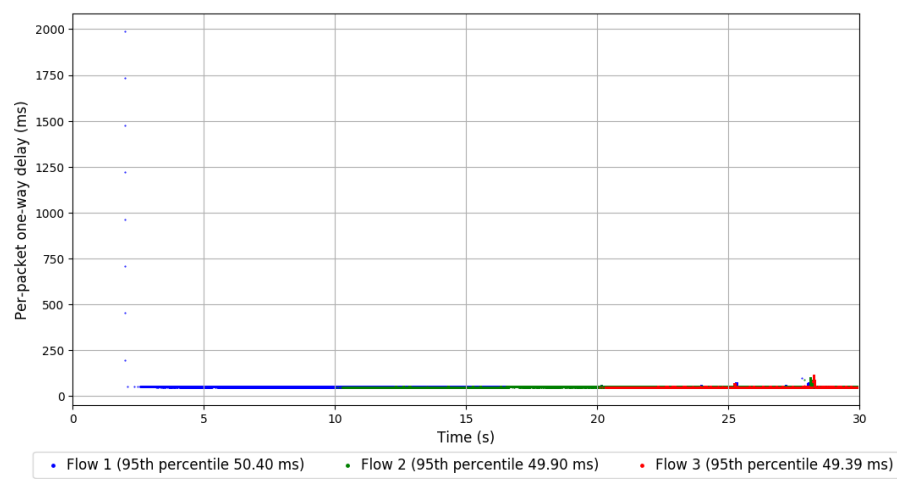
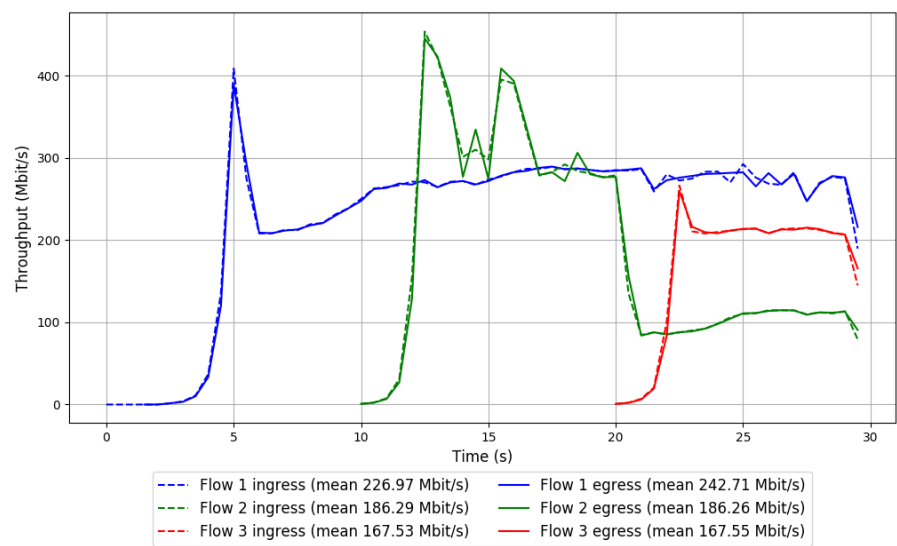
-- Flow 3:

Average throughput: 167.55 Mbit/s

95th percentile per-packet one-way delay: 49.387 ms

Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link

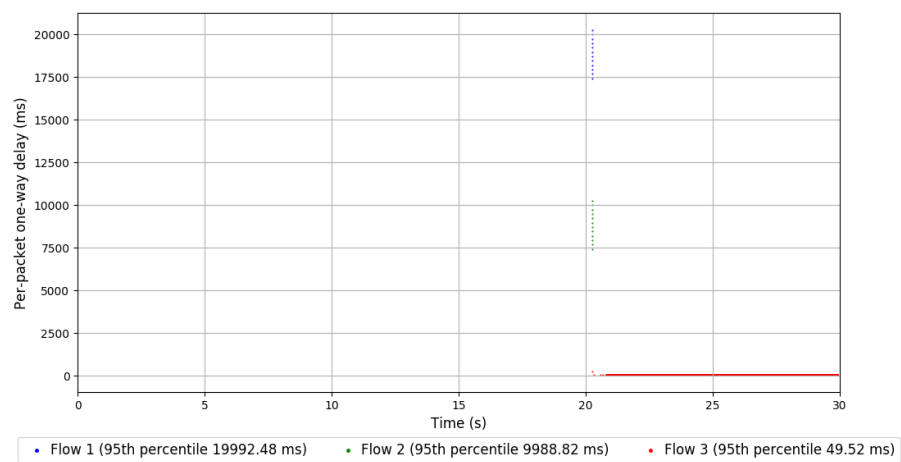
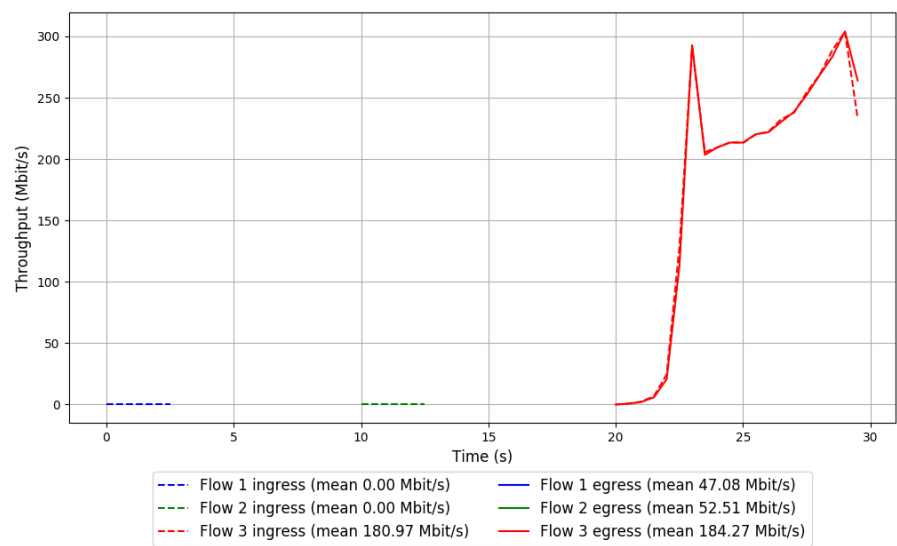


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-31 20:40:17

End at: 2018-01-31 20:40:47

Run 7: Report of Vivace-LTE — Data Link

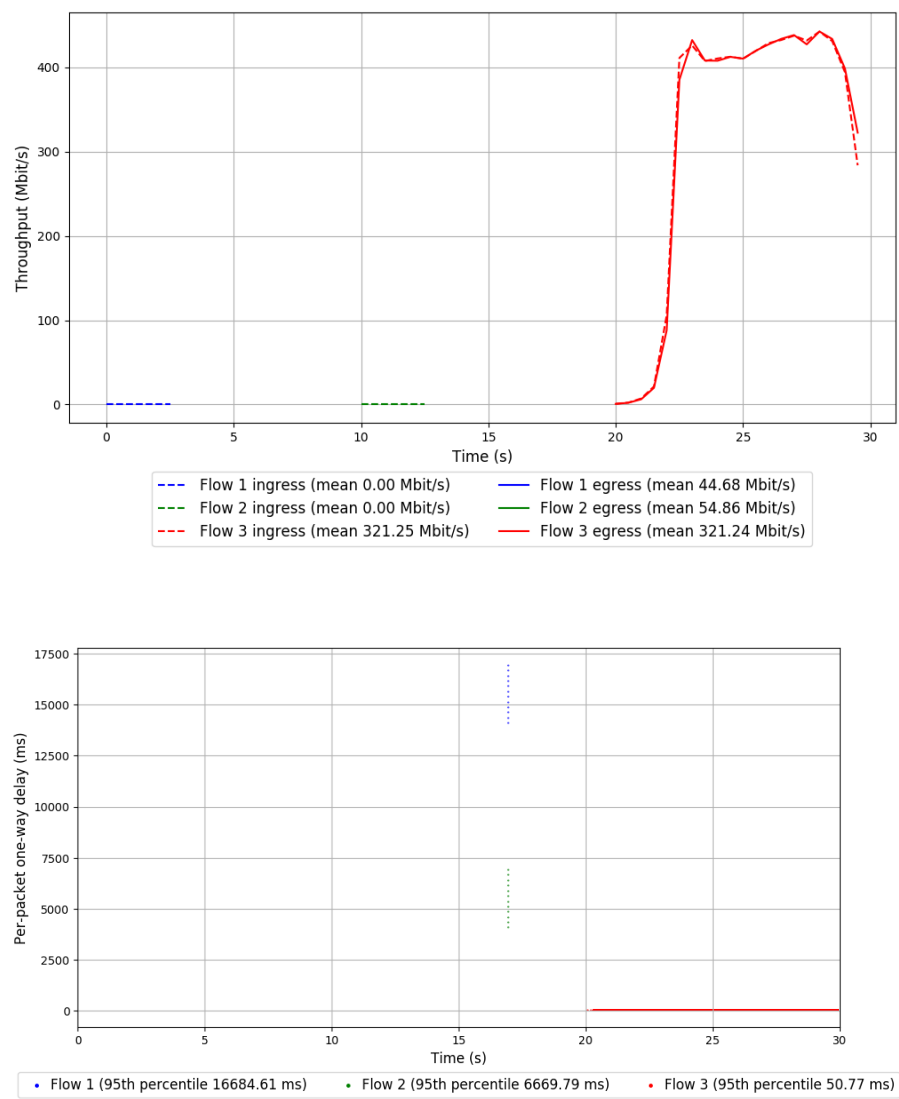


Run 8: Statistics of Vivace-LTE

Start at: 2018-01-31 20:55:25

End at: 2018-01-31 20:55:55

Run 8: Report of Vivace-LTE — Data Link

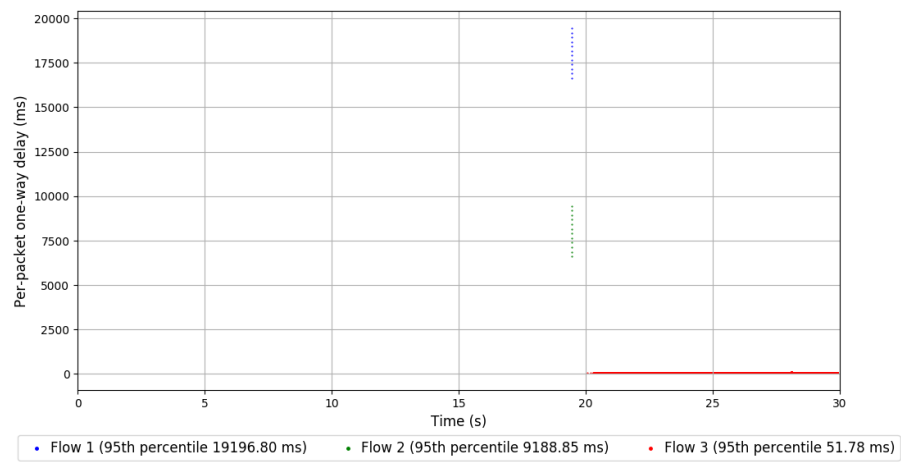
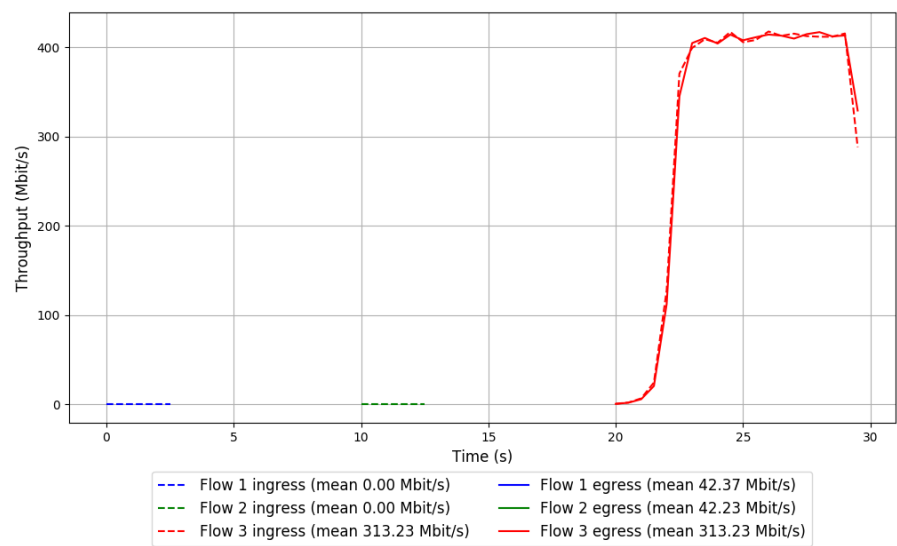


Run 9: Statistics of Vivace-LTE

Start at: 2018-01-31 21:10:26

End at: 2018-01-31 21:10:56

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-31 21:25:48

End at: 2018-01-31 21:26:18

Run 10: Report of Vivace-LTE — Data Link

