

Pantheon Report

Generated at 2018-01-26 23:22:01 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

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

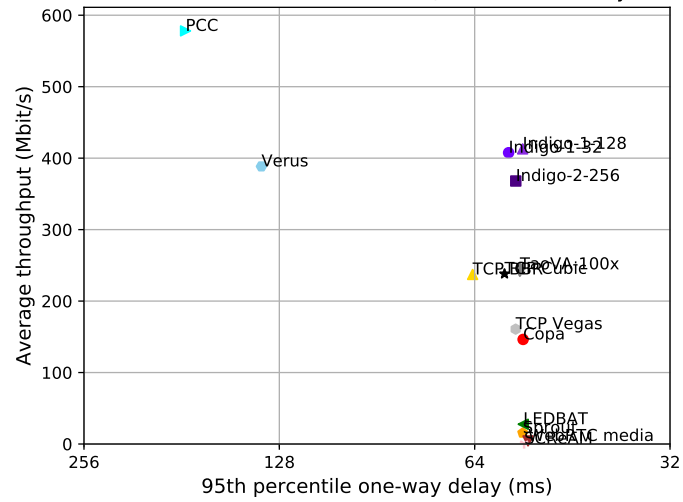
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

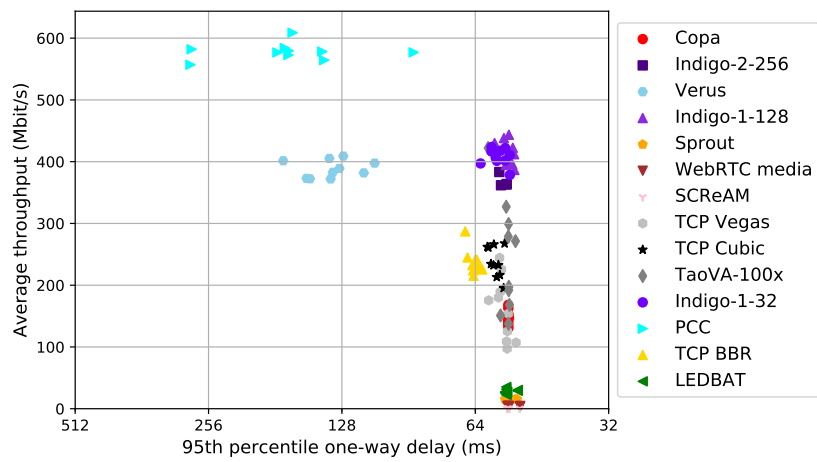
Git summary:

```
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
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-quick @ 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 @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



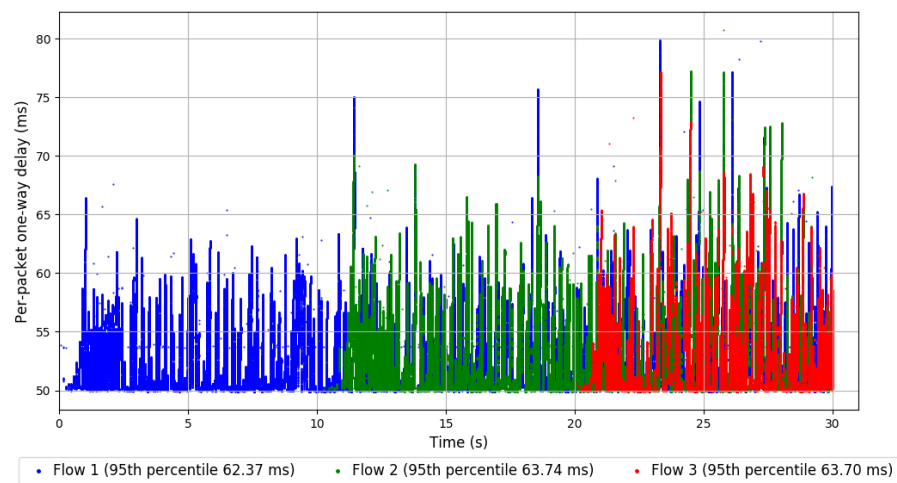
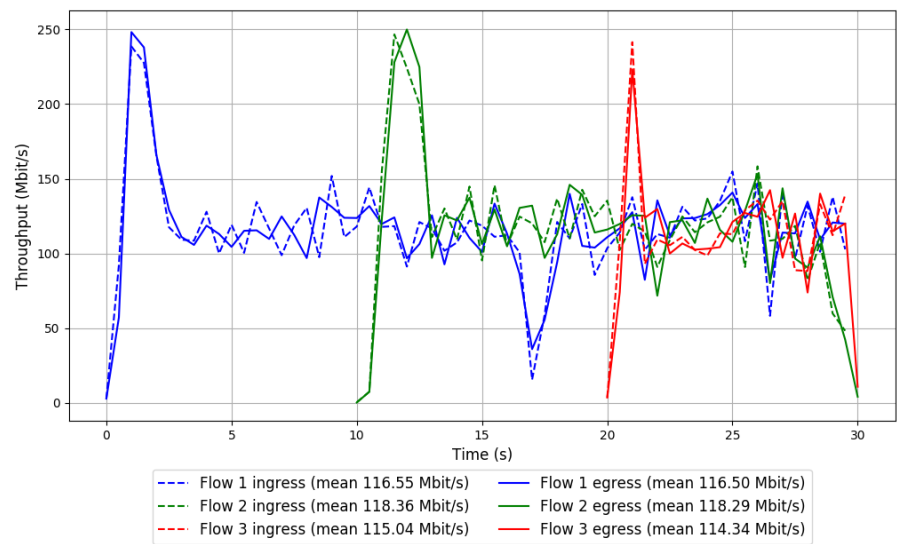
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	114.91	123.75	121.21	63.87	64.68	65.47	0.00	0.02	0.15
TCP Cubic	10	128.97	133.60	60.98	56.93	57.58	54.92	0.00	0.01	0.07
LEDBAT	10	14.46	15.35	9.18	53.82	53.64	53.49	0.02	0.00	0.00
PCC	10	534.35	41.05	49.86	180.77	154.49	142.43	1.14	0.77	1.45
QUIC Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCReAM	10	0.21	0.21	0.22	52.63	53.31	52.00	0.01	0.00	0.00
WebRTC media	10	2.27	1.44	0.60	52.15	51.96	52.63	0.01	0.00	0.00
Sprout	10	7.86	7.76	7.47	53.99	53.96	53.18	0.00	0.01	0.01
TaoVA-100x	10	155.49	87.87	150.70	53.57	54.75	53.65	0.00	0.00	0.00
TCP Vegas	10	85.03	76.94	74.07	54.45	55.38	53.82	0.00	0.00	0.01
Verus	10	240.47	168.98	111.09	126.45	150.29	138.92	0.69	0.88	0.98
Copa	10	77.66	72.11	79.04	53.86	53.19	53.14	0.00	0.00	0.00
Indigo-2-256	4	183.66	181.74	176.23	54.89	55.58	55.78	0.00	0.01	0.00
Indigo-1-32	10	213.44	205.40	178.75	56.01	57.34	57.49	0.00	0.04	0.01
Indigo-1-128	10	217.26	208.17	178.39	53.49	54.47	54.52	0.00	0.00	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2018-01-26 18:38:30
End at: 2018-01-26 18:39:00

# Below is generated by plot.py at 2018-01-26 22:16:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 232.97 Mbit/s
95th percentile per-packet one-way delay: 63.177 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 116.50 Mbit/s
95th percentile per-packet one-way delay: 62.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.29 Mbit/s
95th percentile per-packet one-way delay: 63.741 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 114.34 Mbit/s
95th percentile per-packet one-way delay: 63.702 ms
Loss rate: 0.58%
```


Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-26 18:52:22

End at: 2018-01-26 18:52:52

Below is generated by plot.py at 2018-01-26 22:16:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 215.23 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 109.58 Mbit/s

95th percentile per-packet one-way delay: 64.356 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 111.13 Mbit/s

95th percentile per-packet one-way delay: 65.458 ms

Loss rate: 0.00%

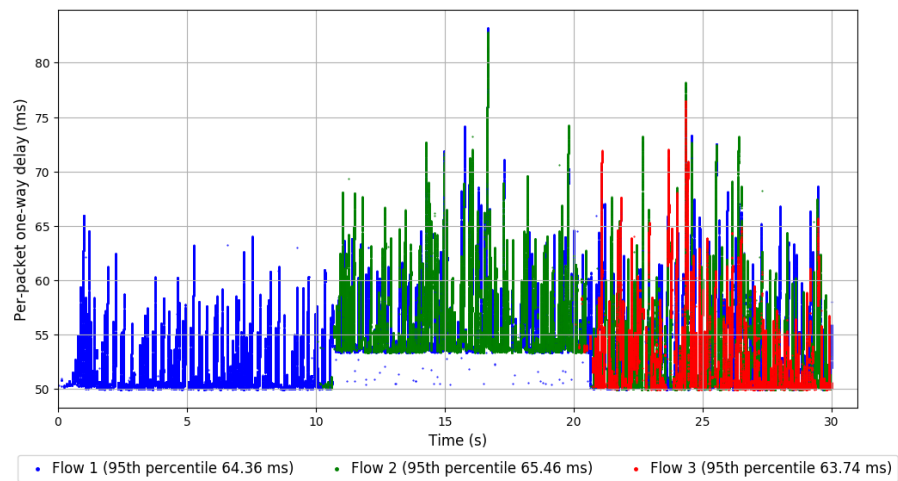
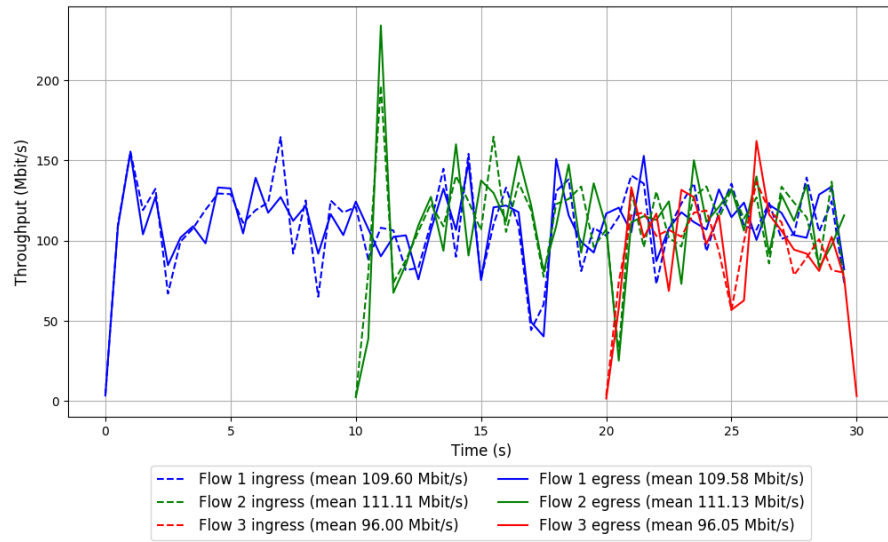
-- Flow 3:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 63.743 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-01-26 19:06:39

End at: 2018-01-26 19:07:09

Below is generated by plot.py at 2018-01-26 22:16:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.02 Mbit/s

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

Loss rate: 0.14%

-- Flow 1:

Average throughput: 111.32 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 105.95 Mbit/s

95th percentile per-packet one-way delay: 64.809 ms

Loss rate: 0.18%

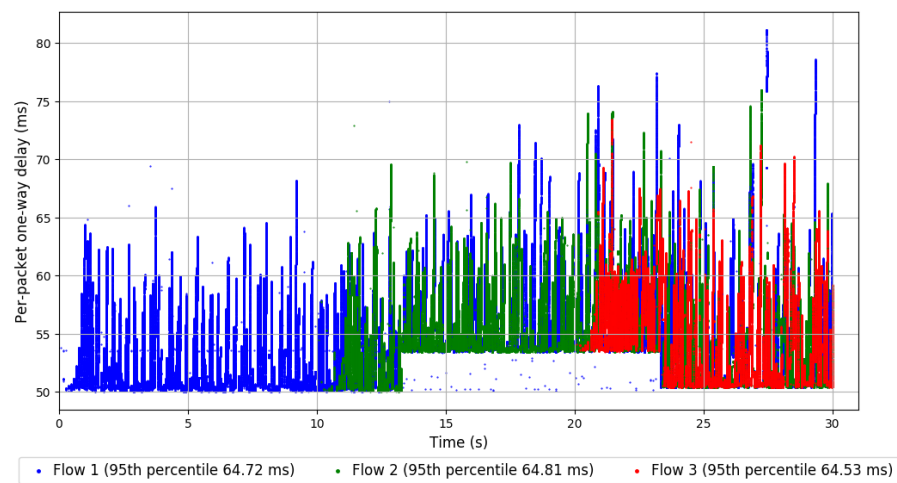
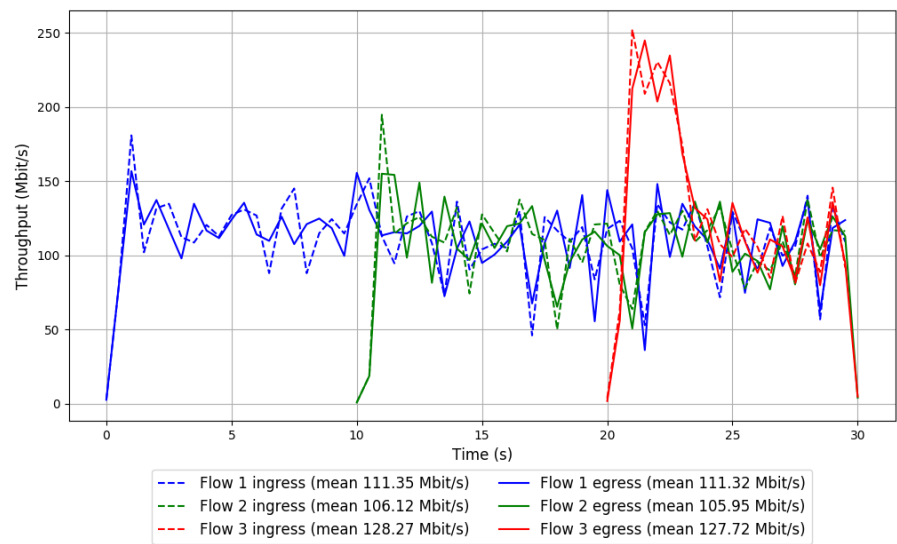
-- Flow 3:

Average throughput: 127.72 Mbit/s

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

Loss rate: 0.43%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-01-26 19:20:53

End at: 2018-01-26 19:21:23

Below is generated by plot.py at 2018-01-26 22:16:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.44 Mbit/s

95th percentile per-packet one-way delay: 61.716 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 114.01 Mbit/s

95th percentile per-packet one-way delay: 61.766 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.14 Mbit/s

95th percentile per-packet one-way delay: 61.527 ms

Loss rate: 0.00%

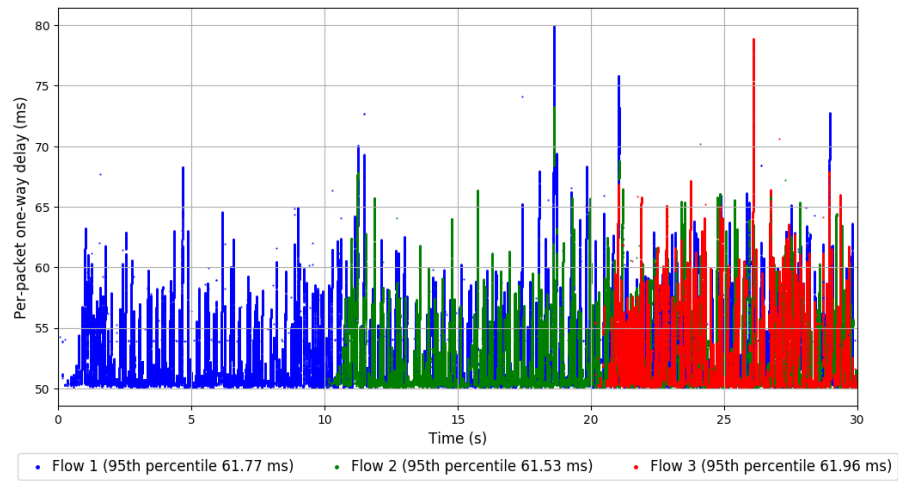
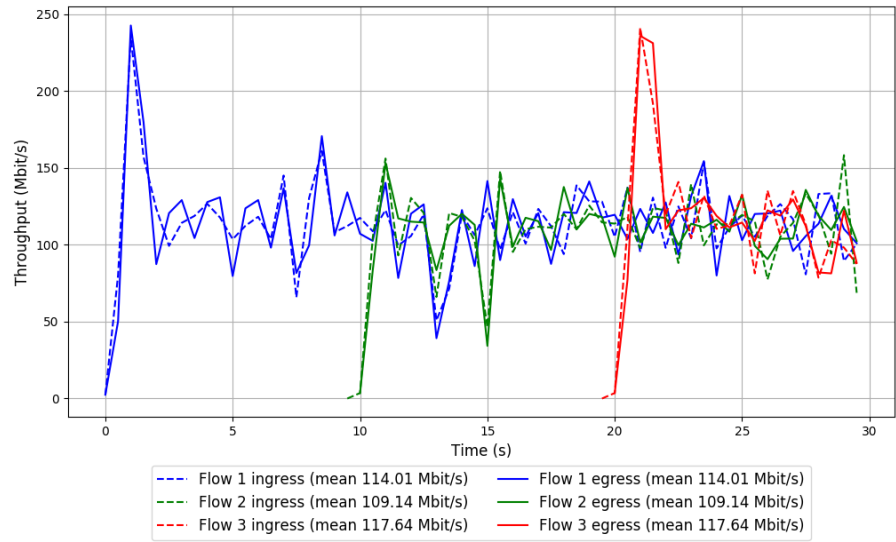
-- Flow 3:

Average throughput: 117.64 Mbit/s

95th percentile per-packet one-way delay: 61.964 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-26 19:35:06

End at: 2018-01-26 19:35:36

Below is generated by plot.py at 2018-01-26 22:16:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.04 Mbit/s

95th percentile per-packet one-way delay: 63.469 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 114.26 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 125.37 Mbit/s

95th percentile per-packet one-way delay: 63.756 ms

Loss rate: 0.00%

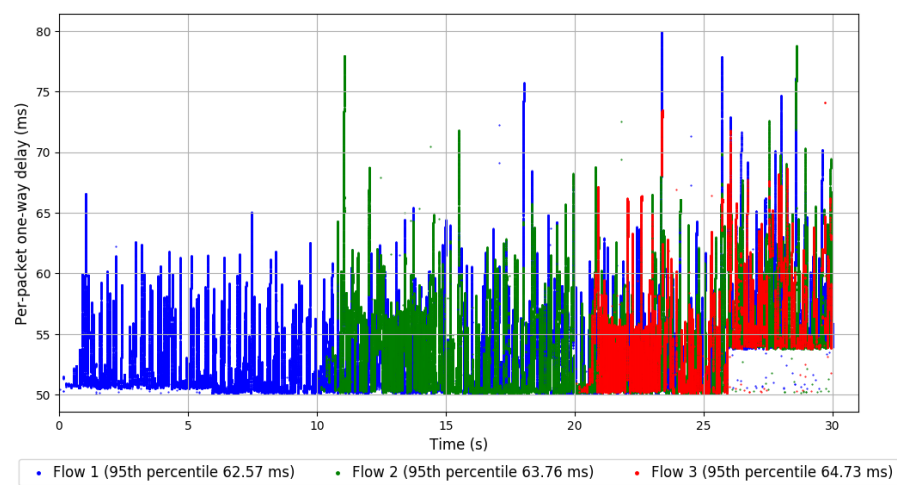
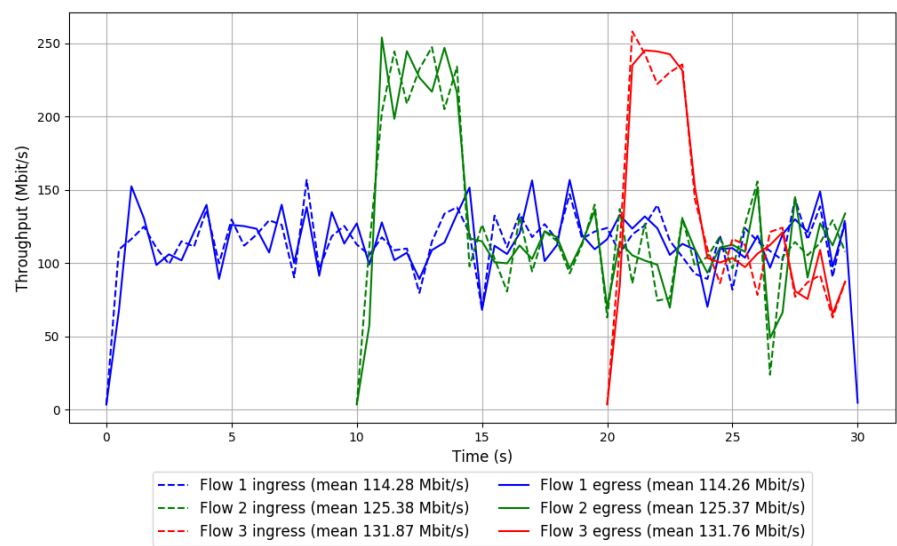
-- Flow 3:

Average throughput: 131.76 Mbit/s

95th percentile per-packet one-way delay: 64.735 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-26 19:49:08

End at: 2018-01-26 19:49:38

Below is generated by plot.py at 2018-01-26 22:16:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.39 Mbit/s

95th percentile per-packet one-way delay: 64.988 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 125.13 Mbit/s

95th percentile per-packet one-way delay: 64.524 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 108.24 Mbit/s

95th percentile per-packet one-way delay: 64.470 ms

Loss rate: 0.00%

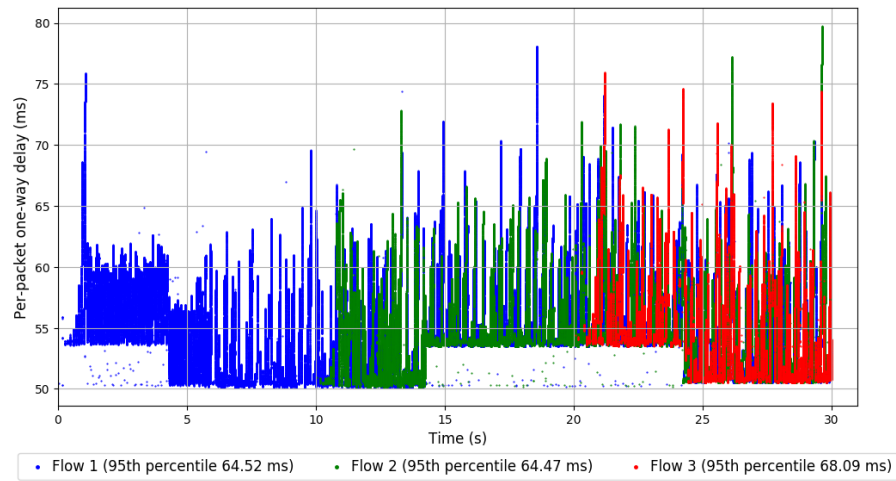
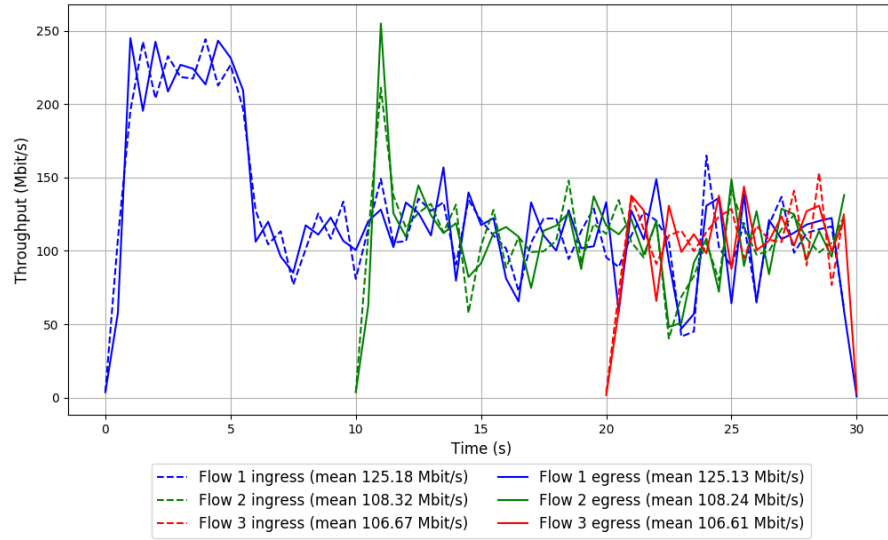
-- Flow 3:

Average throughput: 106.61 Mbit/s

95th percentile per-packet one-way delay: 68.088 ms

Loss rate: 0.07%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-26 20:03:21

End at: 2018-01-26 20:03:51

Below is generated by plot.py at 2018-01-26 22:17:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.87 Mbit/s

95th percentile per-packet one-way delay: 66.626 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 114.70 Mbit/s

95th percentile per-packet one-way delay: 66.526 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 115.11 Mbit/s

95th percentile per-packet one-way delay: 65.020 ms

Loss rate: 0.02%

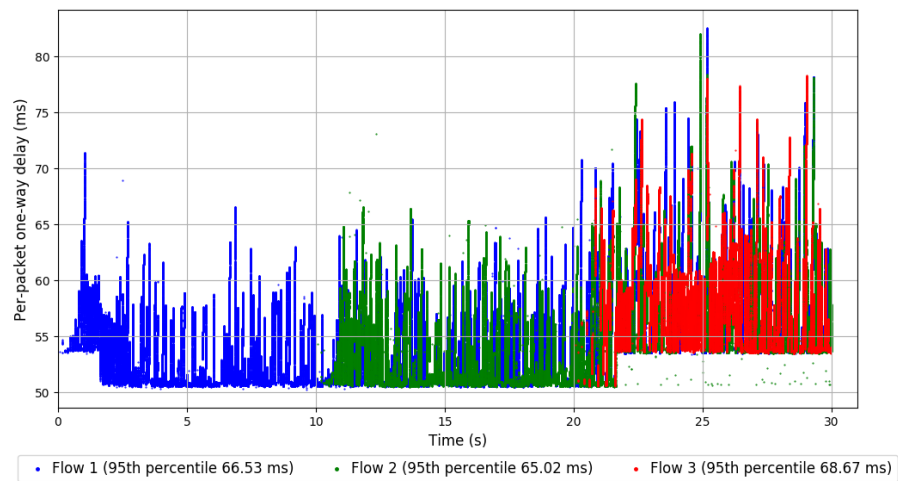
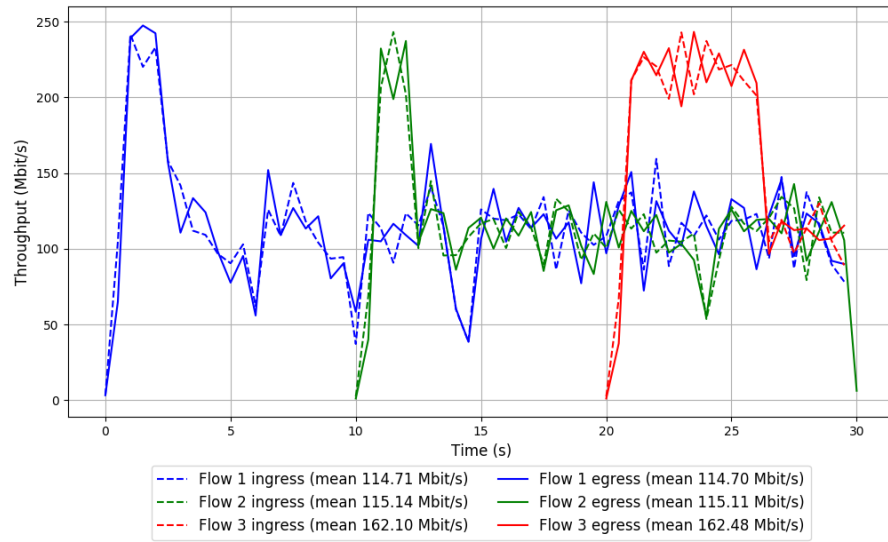
-- Flow 3:

Average throughput: 162.48 Mbit/s

95th percentile per-packet one-way delay: 68.672 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-26 20:17:54

End at: 2018-01-26 20:18:24

Below is generated by plot.py at 2018-01-26 22:17:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.08 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 113.71 Mbit/s

95th percentile per-packet one-way delay: 62.873 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 138.50 Mbit/s

95th percentile per-packet one-way delay: 65.168 ms

Loss rate: 0.00%

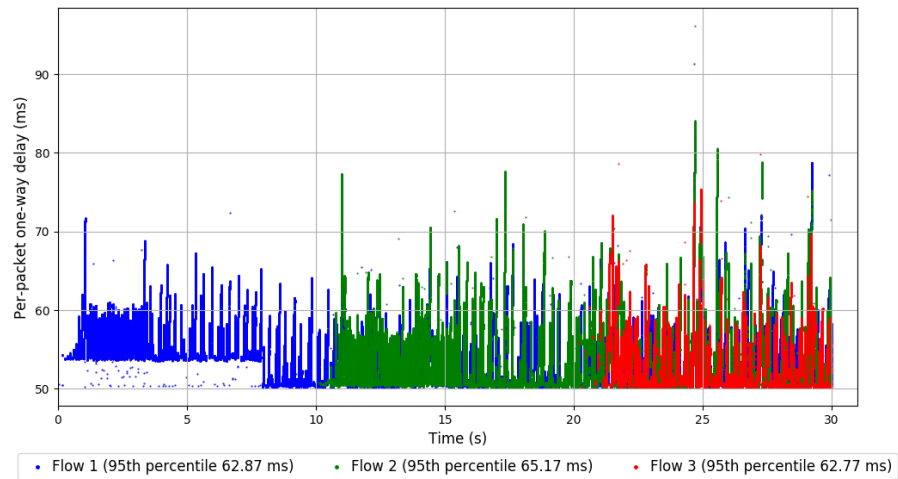
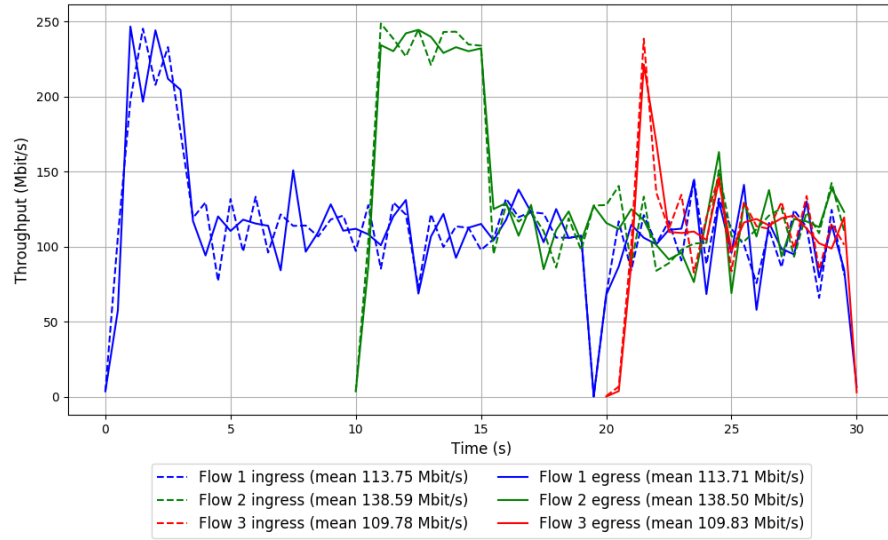
-- Flow 3:

Average throughput: 109.83 Mbit/s

95th percentile per-packet one-way delay: 62.770 ms

Loss rate: 0.01%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-26 20:31:40

End at: 2018-01-26 20:32:10

Below is generated by plot.py at 2018-01-26 22:20:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.42 Mbit/s

95th percentile per-packet one-way delay: 64.098 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 109.92 Mbit/s

95th percentile per-packet one-way delay: 63.812 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.61 Mbit/s

95th percentile per-packet one-way delay: 64.756 ms

Loss rate: 0.00%

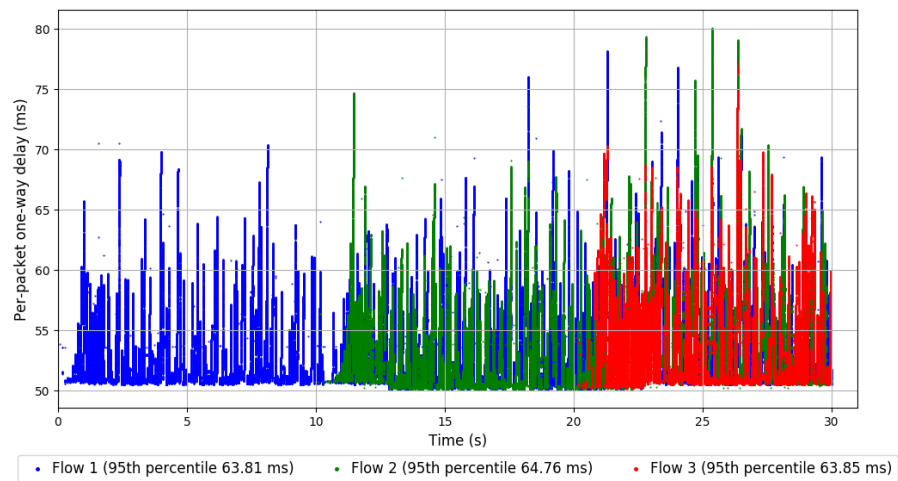
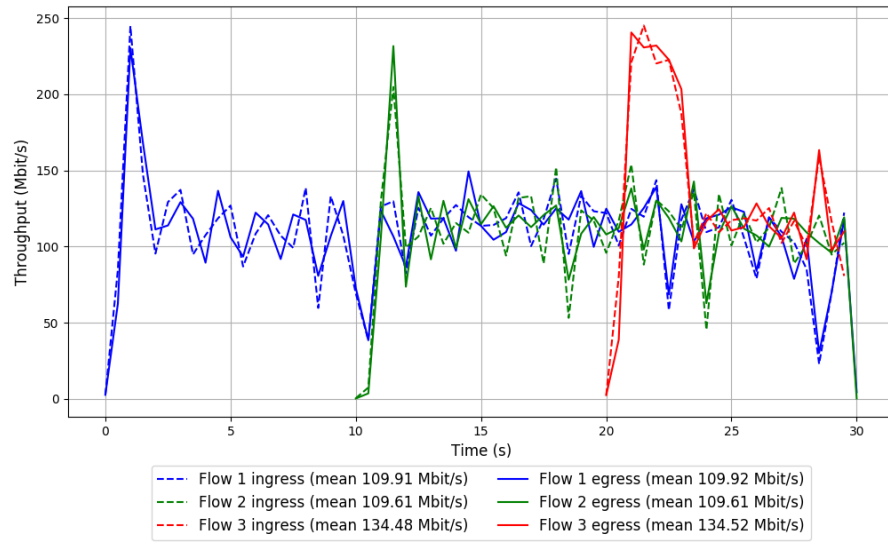
-- Flow 3:

Average throughput: 134.52 Mbit/s

95th percentile per-packet one-way delay: 63.846 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-01-26 20:45:55

End at: 2018-01-26 20:46:25

Below is generated by plot.py at 2018-01-26 22:21:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.15 Mbit/s

95th percentile per-packet one-way delay: 67.435 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 119.96 Mbit/s

95th percentile per-packet one-way delay: 65.187 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 196.13 Mbit/s

95th percentile per-packet one-way delay: 68.087 ms

Loss rate: 0.00%

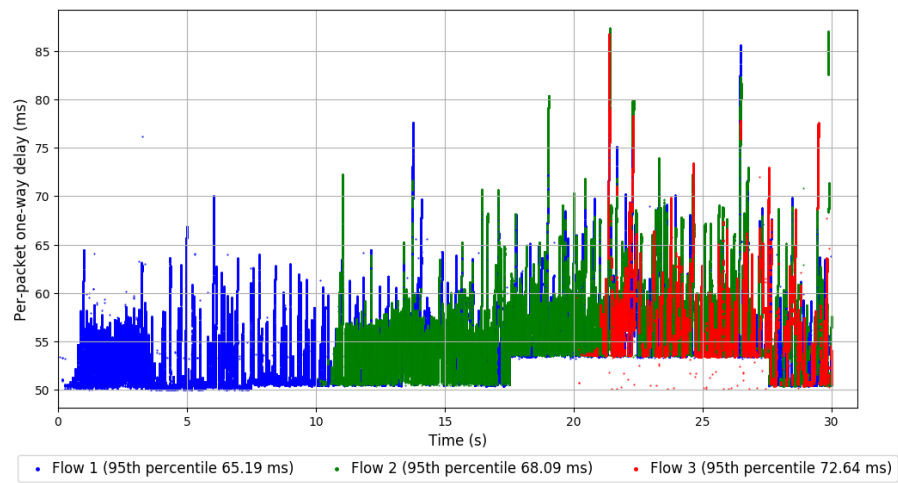
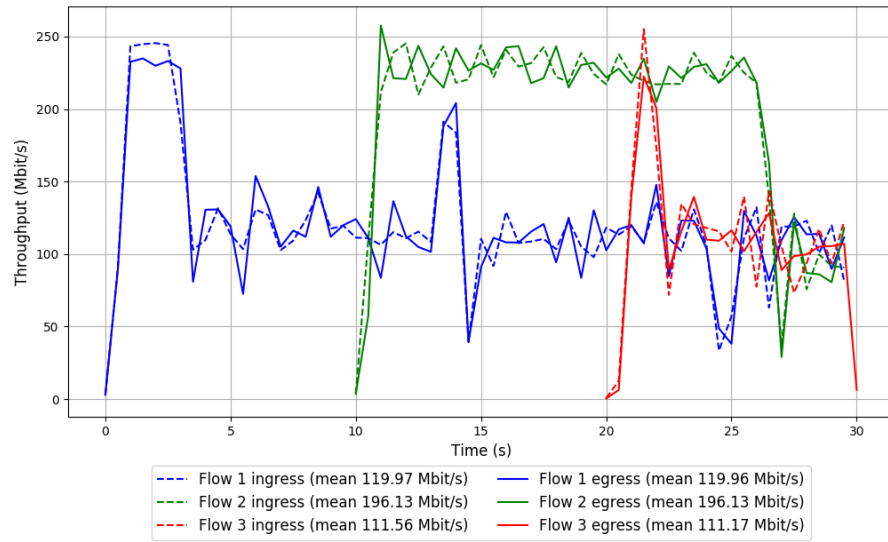
-- Flow 3:

Average throughput: 111.17 Mbit/s

95th percentile per-packet one-way delay: 72.635 ms

Loss rate: 0.44%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-26 18:40:23

End at: 2018-01-26 18:40:53

Below is generated by plot.py at 2018-01-26 22:21:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.38 Mbit/s

95th percentile per-packet one-way delay: 55.225 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 117.26 Mbit/s

95th percentile per-packet one-way delay: 54.486 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 114.82 Mbit/s

95th percentile per-packet one-way delay: 56.117 ms

Loss rate: 0.00%

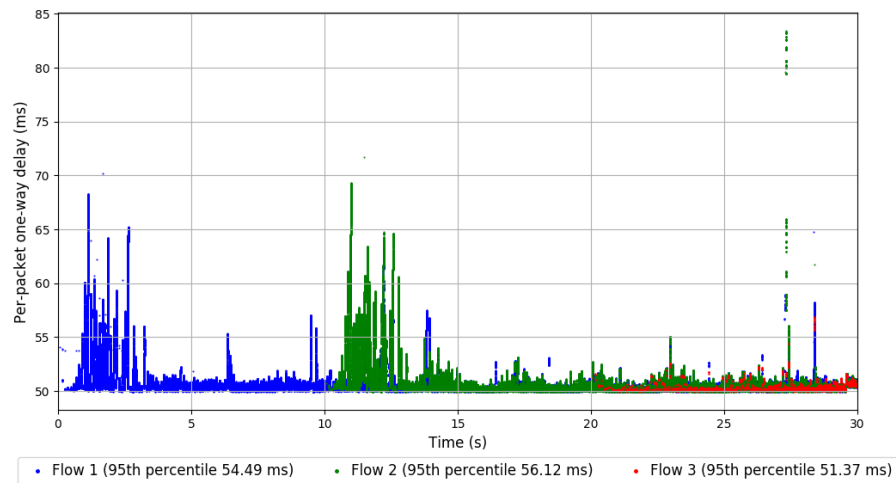
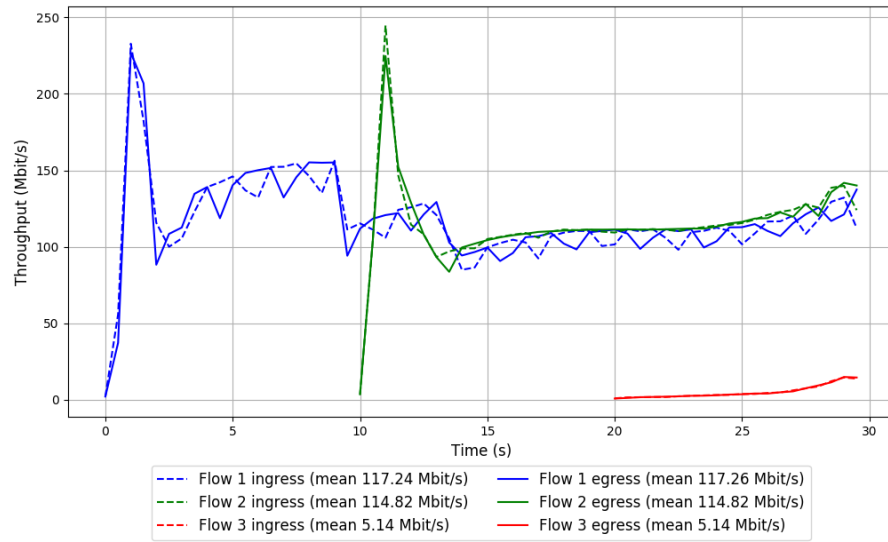
-- Flow 3:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 51.370 ms

Loss rate: 0.12%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-26 18:54:13

End at: 2018-01-26 18:54:43

Below is generated by plot.py at 2018-01-26 22:21:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.59 Mbit/s

95th percentile per-packet one-way delay: 54.954 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 131.39 Mbit/s

95th percentile per-packet one-way delay: 53.529 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 147.36 Mbit/s

95th percentile per-packet one-way delay: 56.291 ms

Loss rate: 0.00%

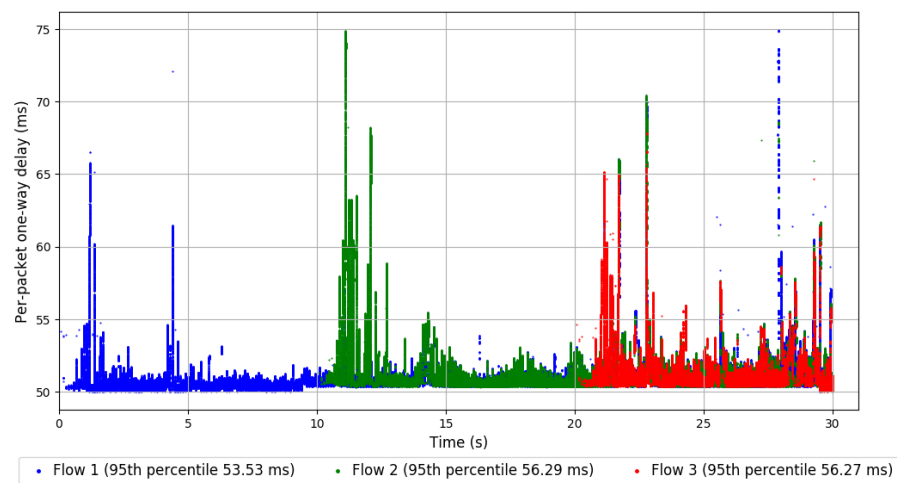
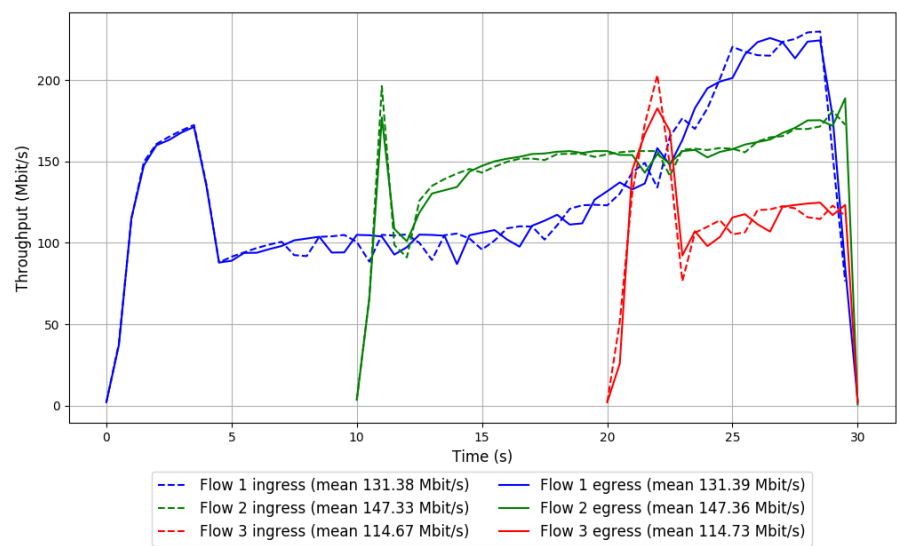
-- Flow 3:

Average throughput: 114.73 Mbit/s

95th percentile per-packet one-way delay: 56.273 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 19:08:50

End at: 2018-01-26 19:09:20

Below is generated by plot.py at 2018-01-26 22:21:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.11 Mbit/s

95th percentile per-packet one-way delay: 60.087 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 135.11 Mbit/s

95th percentile per-packet one-way delay: 59.597 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 188.08 Mbit/s

95th percentile per-packet one-way delay: 60.266 ms

Loss rate: 0.09%

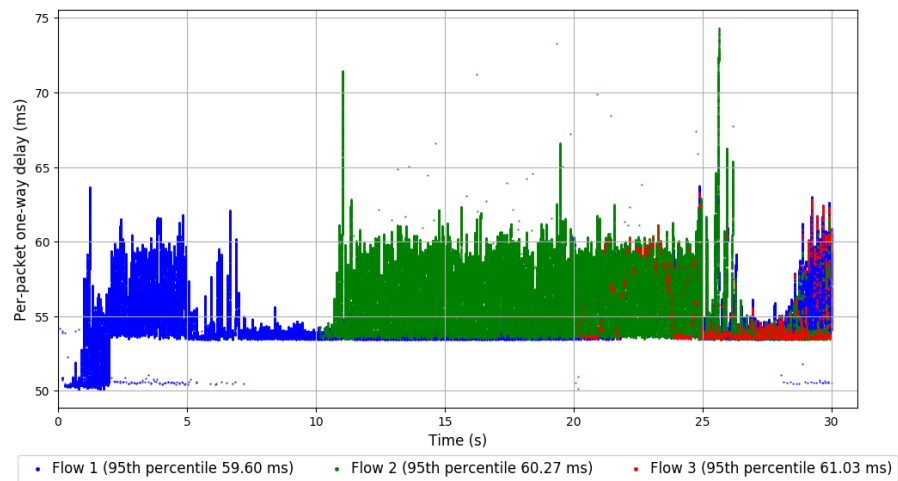
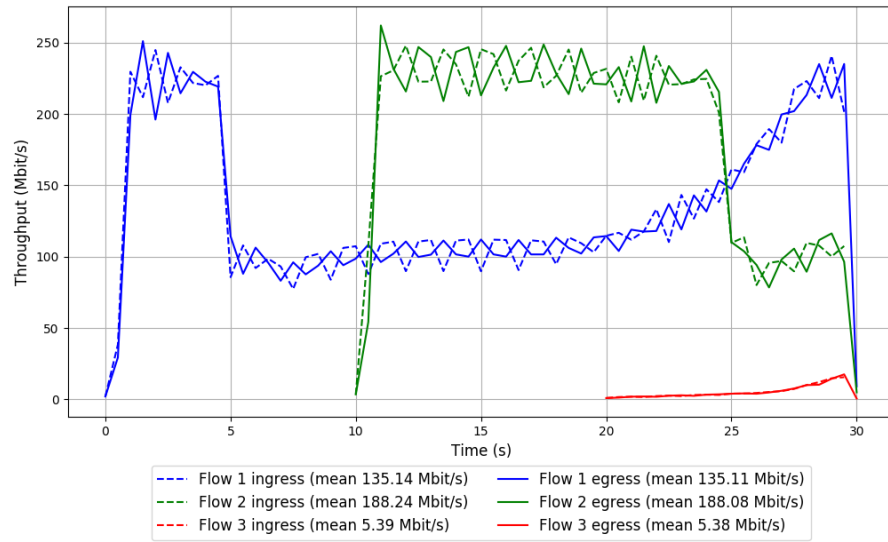
-- Flow 3:

Average throughput: 5.38 Mbit/s

95th percentile per-packet one-way delay: 61.035 ms

Loss rate: 0.13%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 19:22:41

End at: 2018-01-26 19:23:11

Below is generated by plot.py at 2018-01-26 22:21:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.45 Mbit/s

95th percentile per-packet one-way delay: 56.329 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 141.71 Mbit/s

95th percentile per-packet one-way delay: 56.399 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.81 Mbit/s

95th percentile per-packet one-way delay: 55.966 ms

Loss rate: 0.00%

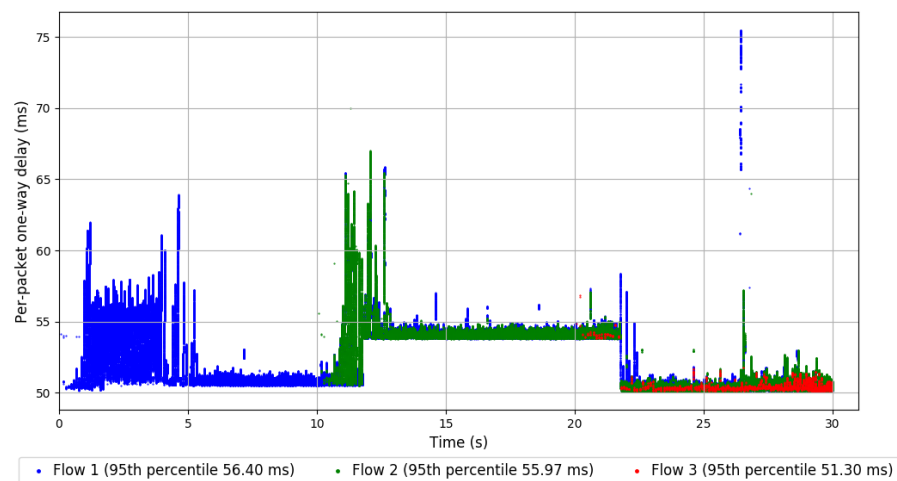
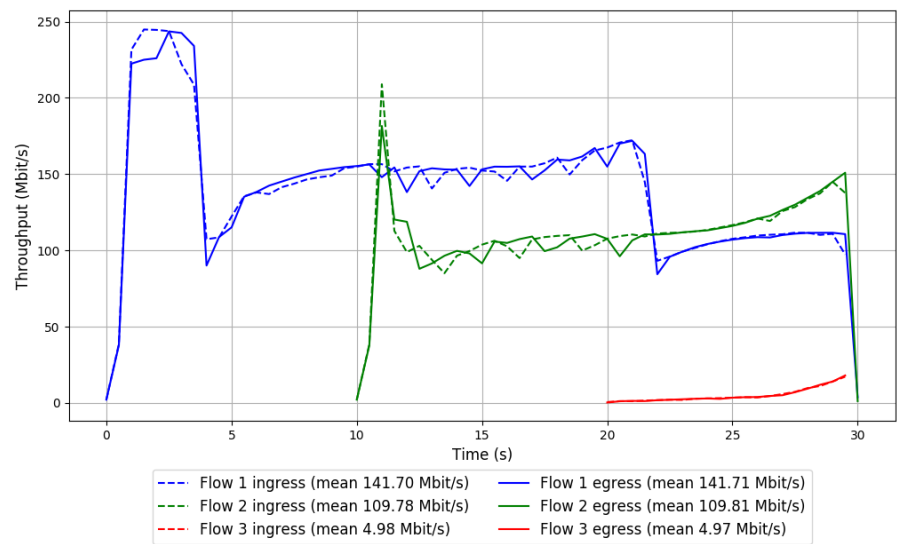
-- Flow 3:

Average throughput: 4.97 Mbit/s

95th percentile per-packet one-way delay: 51.296 ms

Loss rate: 0.17%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-01-26 19:37:05

End at: 2018-01-26 19:37:35

Below is generated by plot.py at 2018-01-26 22:21:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.69 Mbit/s

95th percentile per-packet one-way delay: 56.757 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 122.15 Mbit/s

95th percentile per-packet one-way delay: 55.428 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 163.32 Mbit/s

95th percentile per-packet one-way delay: 57.109 ms

Loss rate: 0.00%

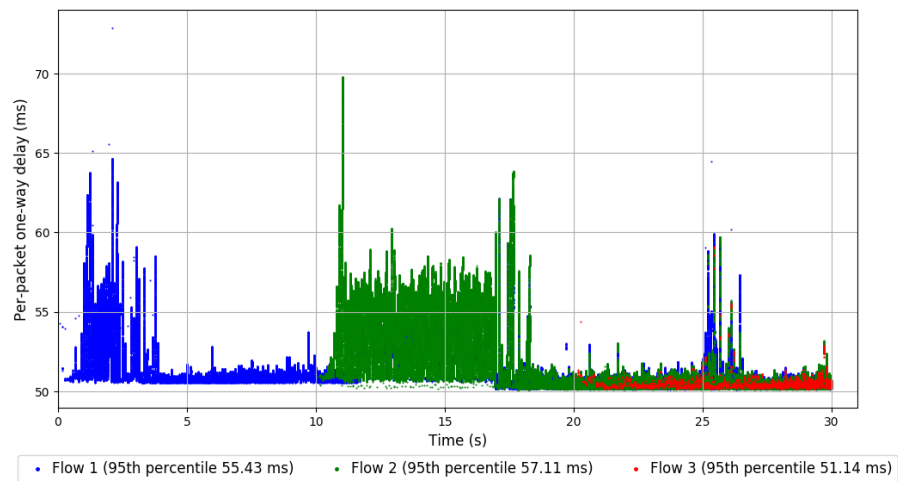
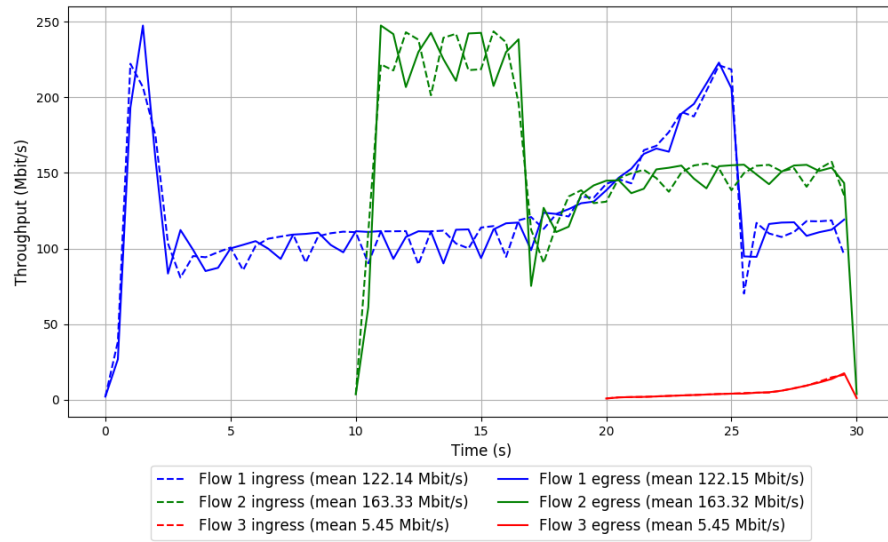
-- Flow 3:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 51.143 ms

Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 19:50:57

End at: 2018-01-26 19:51:27

Below is generated by plot.py at 2018-01-26 22:21:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 260.98 Mbit/s

95th percentile per-packet one-way delay: 59.802 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 136.19 Mbit/s

95th percentile per-packet one-way delay: 60.230 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 123.38 Mbit/s

95th percentile per-packet one-way delay: 58.402 ms

Loss rate: 0.00%

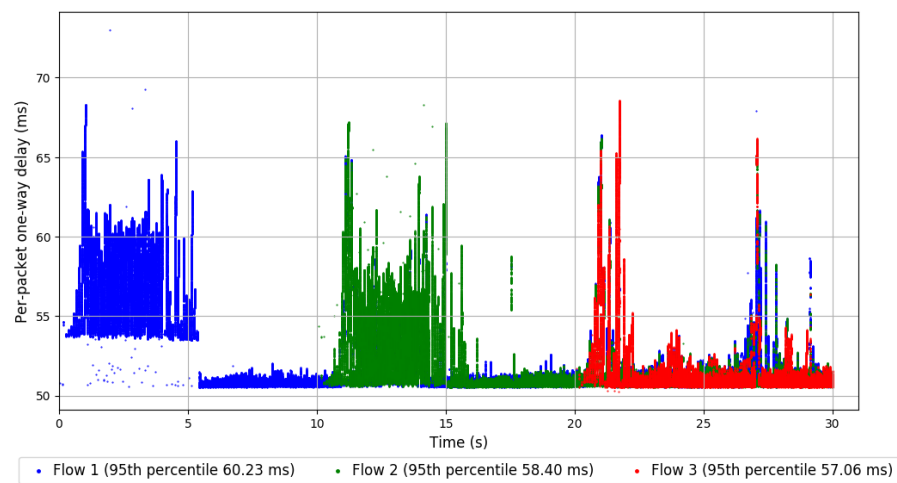
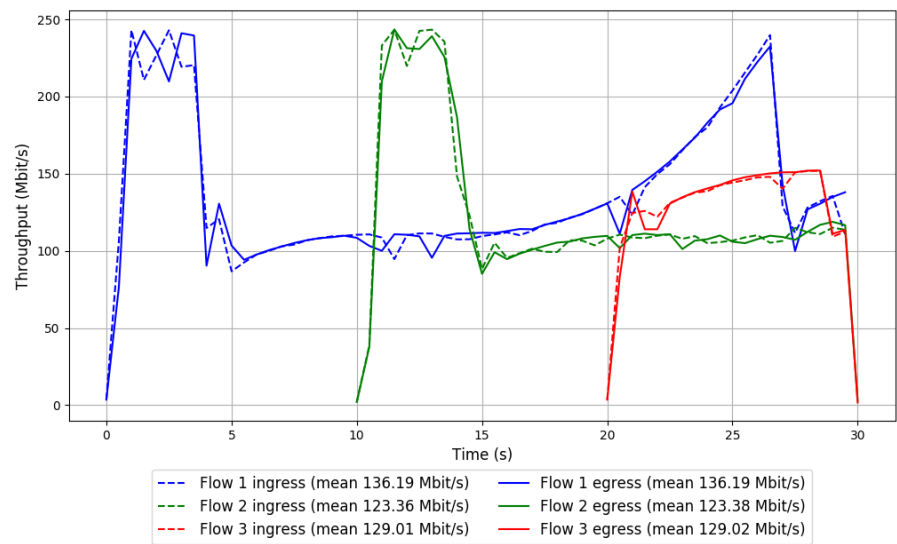
-- Flow 3:

Average throughput: 129.02 Mbit/s

95th percentile per-packet one-way delay: 57.058 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-26 20:05:25

End at: 2018-01-26 20:05:55

Below is generated by plot.py at 2018-01-26 22:24:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.04 Mbit/s

95th percentile per-packet one-way delay: 58.109 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 140.17 Mbit/s

95th percentile per-packet one-way delay: 58.740 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 132.82 Mbit/s

95th percentile per-packet one-way delay: 56.578 ms

Loss rate: 0.00%

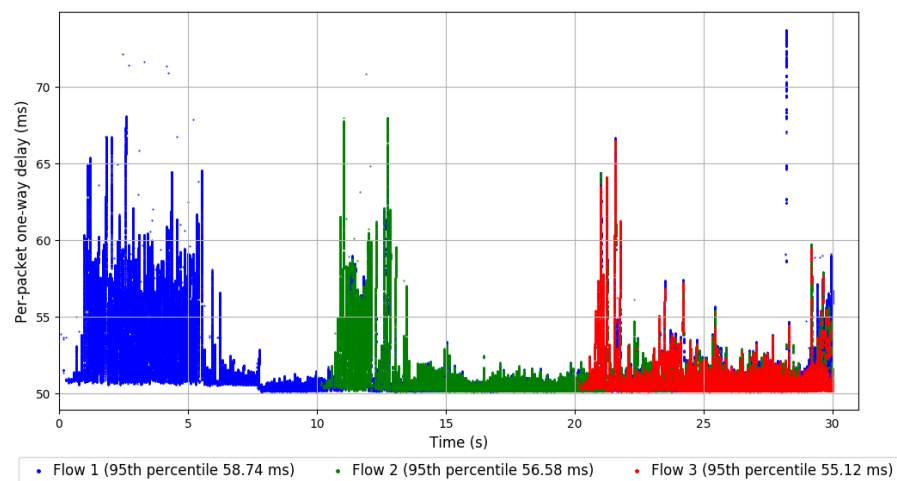
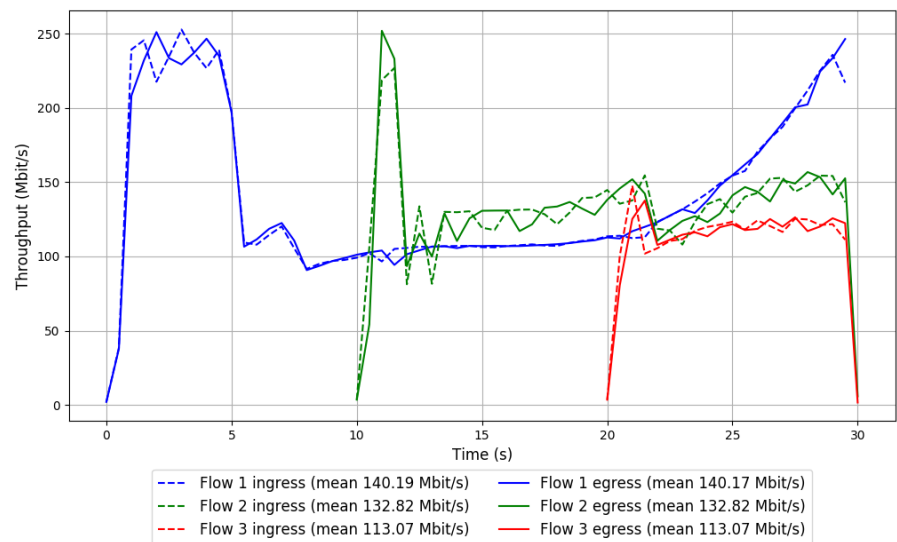
-- Flow 3:

Average throughput: 113.07 Mbit/s

95th percentile per-packet one-way delay: 55.123 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-26 20:19:41

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

Below is generated by plot.py at 2018-01-26 22:24:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.21 Mbit/s

95th percentile per-packet one-way delay: 57.245 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 139.00 Mbit/s

95th percentile per-packet one-way delay: 54.600 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.12 Mbit/s

95th percentile per-packet one-way delay: 59.683 ms

Loss rate: 0.00%

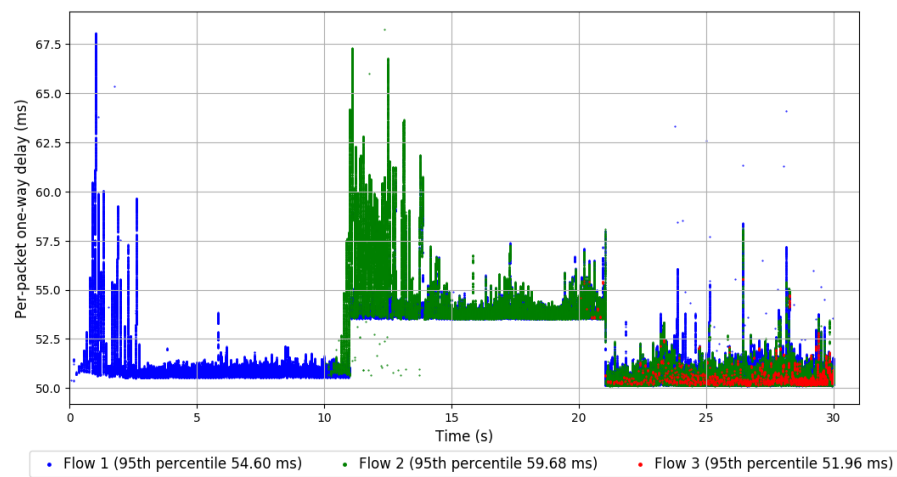
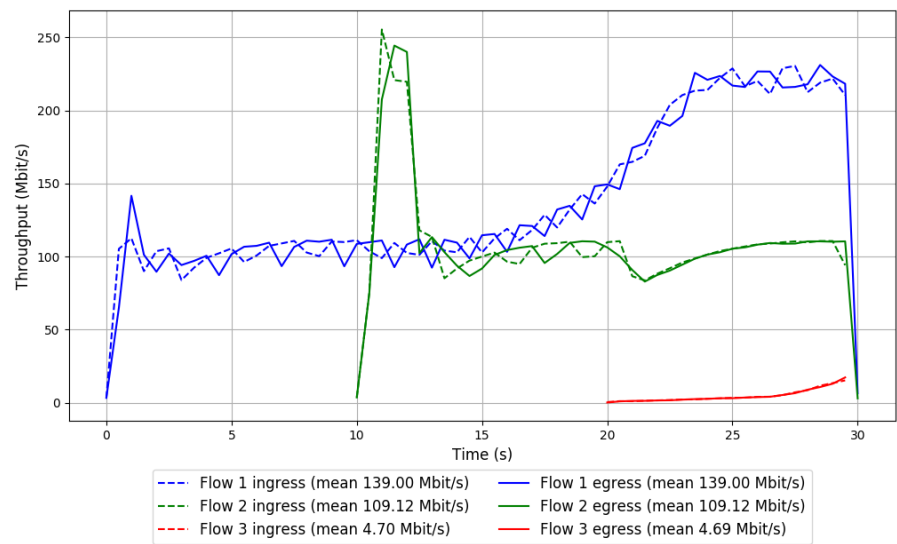
-- Flow 3:

Average throughput: 4.69 Mbit/s

95th percentile per-packet one-way delay: 51.963 ms

Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-26 20:33:38

End at: 2018-01-26 20:34:08

Below is generated by plot.py at 2018-01-26 22:24:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.27 Mbit/s

95th percentile per-packet one-way delay: 58.209 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 98.47 Mbit/s

95th percentile per-packet one-way delay: 56.856 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 139.89 Mbit/s

95th percentile per-packet one-way delay: 58.997 ms

Loss rate: 0.00%

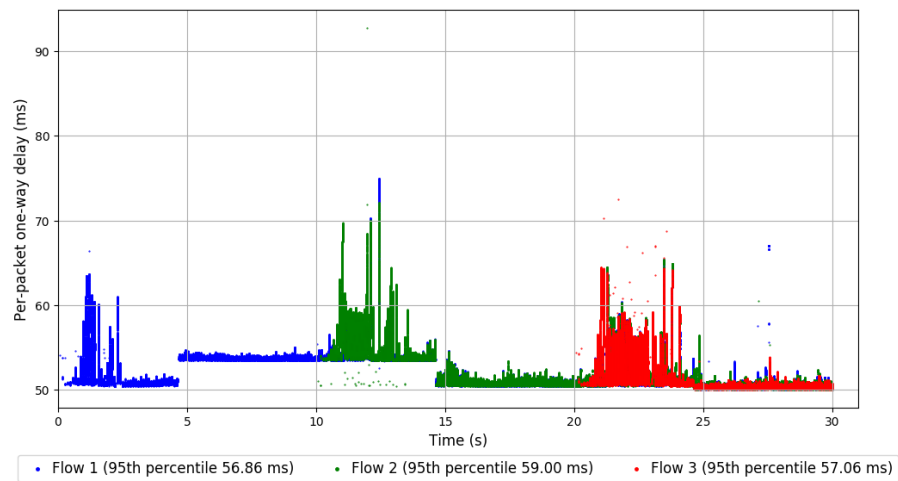
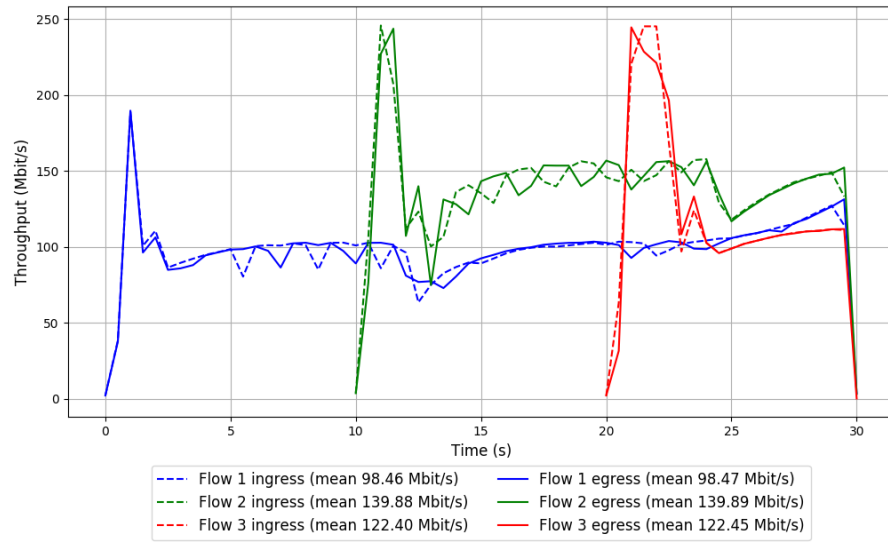
-- Flow 3:

Average throughput: 122.45 Mbit/s

95th percentile per-packet one-way delay: 57.060 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 20:47:58

End at: 2018-01-26 20:48:28

Below is generated by plot.py at 2018-01-26 22:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.41 Mbit/s

95th percentile per-packet one-way delay: 58.982 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 128.21 Mbit/s

95th percentile per-packet one-way delay: 59.440 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 107.42 Mbit/s

95th percentile per-packet one-way delay: 56.436 ms

Loss rate: 0.03%

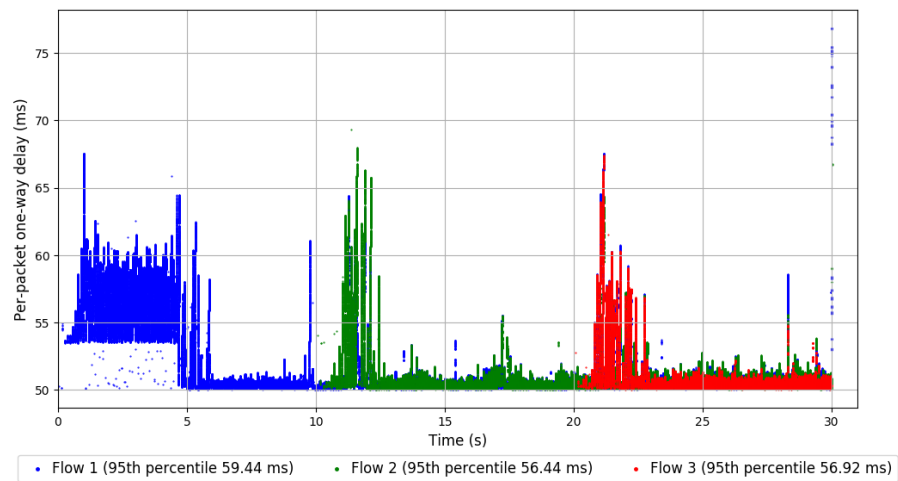
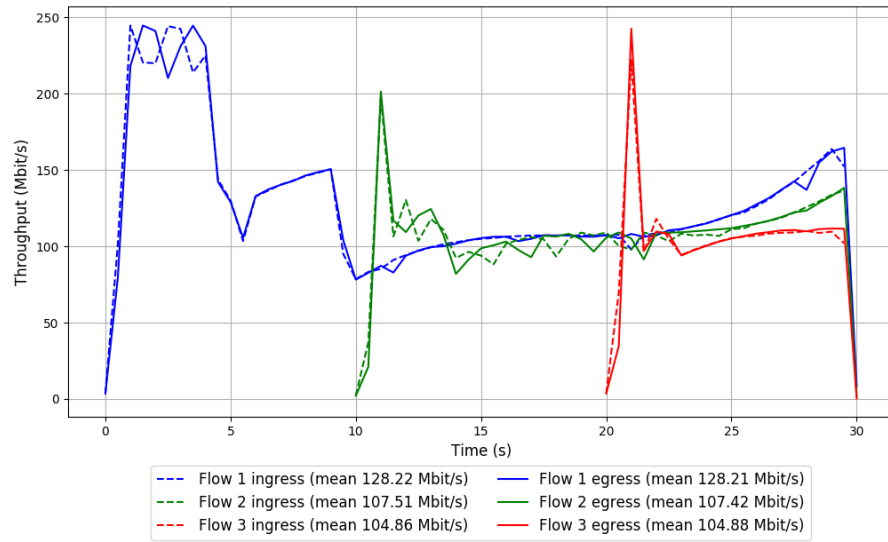
-- Flow 3:

Average throughput: 104.88 Mbit/s

95th percentile per-packet one-way delay: 56.917 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

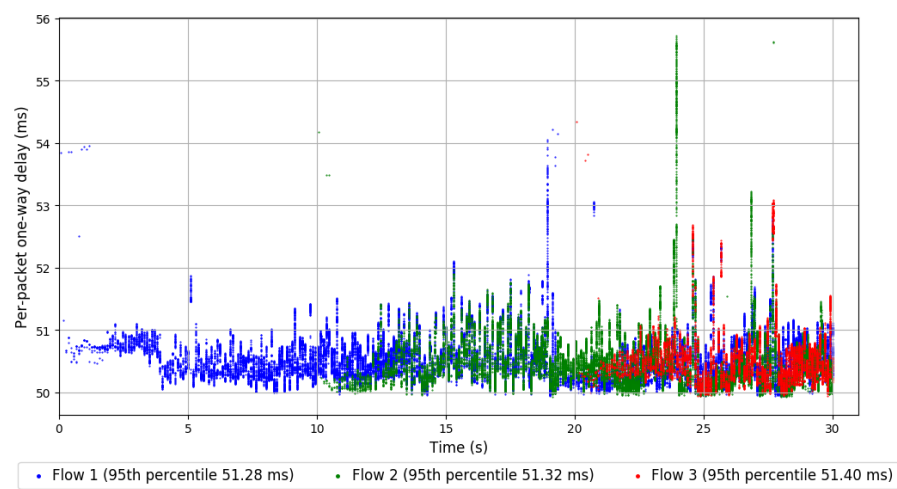
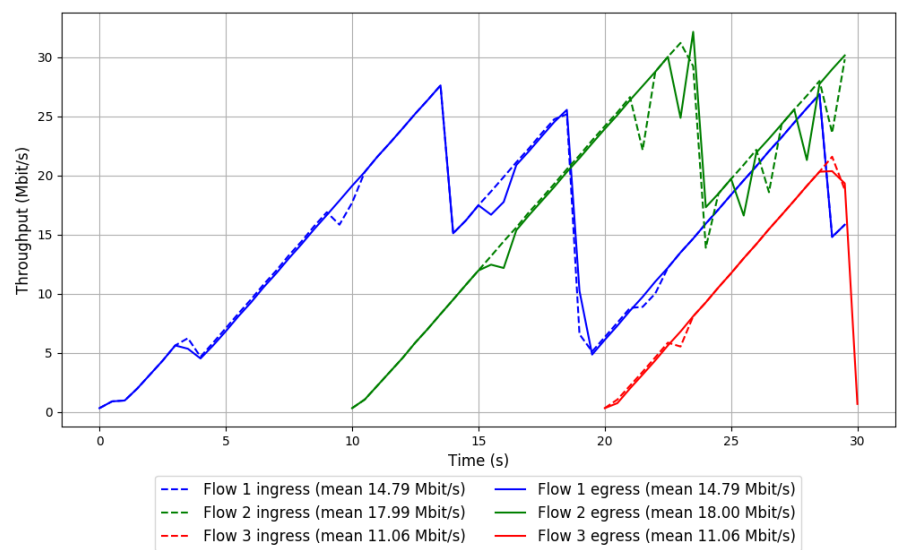


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-26 18:42:38
End at: 2018-01-26 18:43:08

# Below is generated by plot.py at 2018-01-26 22:24:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 51.301 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 14.79 Mbit/s
95th percentile per-packet one-way delay: 51.277 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 18.00 Mbit/s
95th percentile per-packet one-way delay: 51.319 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 51.400 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

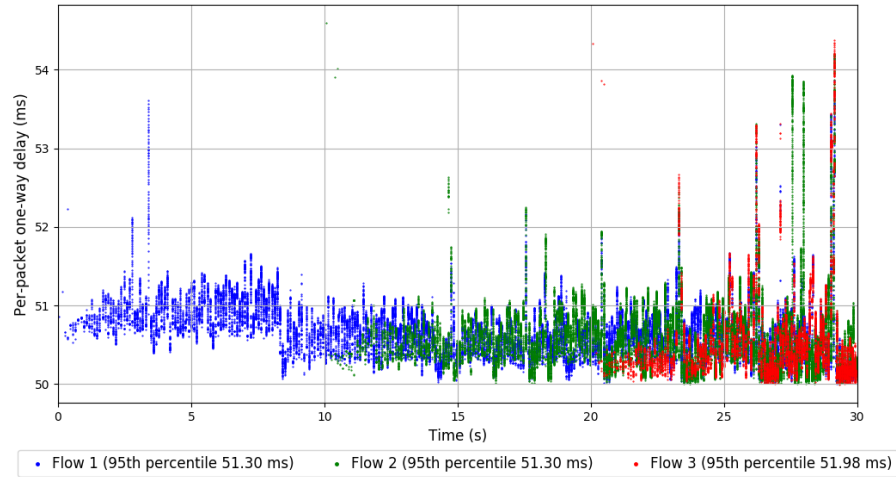
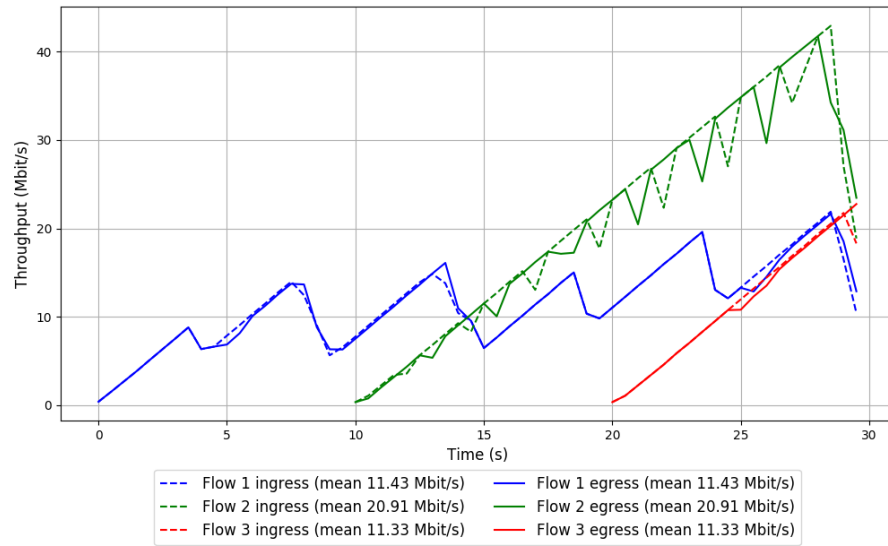


```
Run 2: Statistics of LEDBAT

Start at: 2018-01-26 18:56:34
End at: 2018-01-26 18:57:04

# Below is generated by plot.py at 2018-01-26 22:24:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 51.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 51.300 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 51.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 51.978 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-26 19:11:12

End at: 2018-01-26 19:11:42

Below is generated by plot.py at 2018-01-26 22:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.34 Mbit/s

95th percentile per-packet one-way delay: 54.469 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 26.75 Mbit/s

95th percentile per-packet one-way delay: 54.400 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 54.669 ms

Loss rate: 0.00%

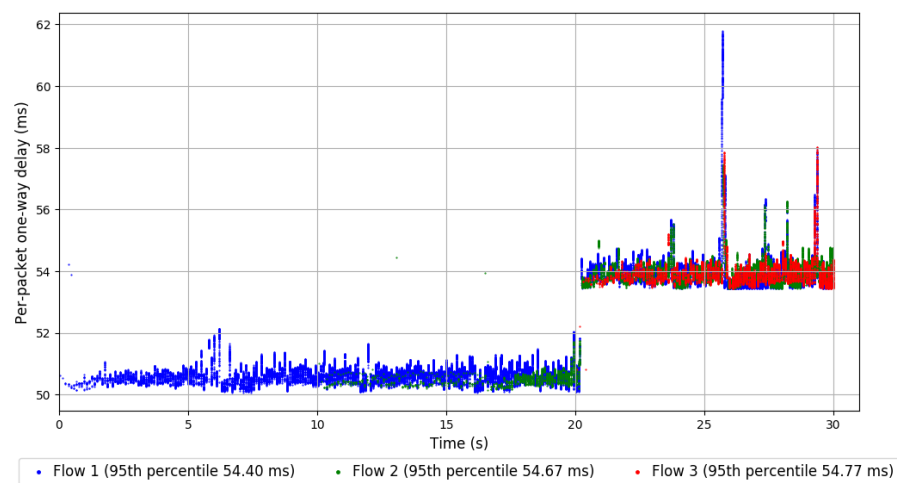
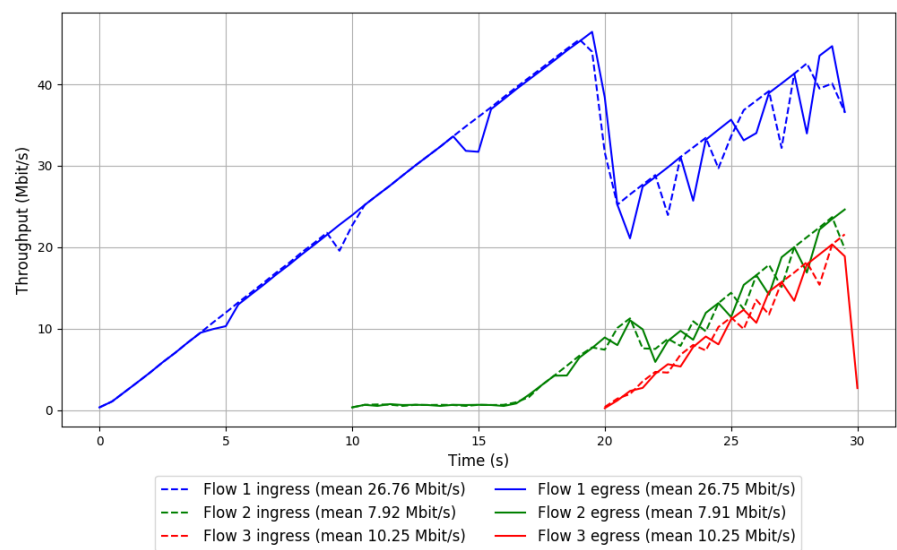
-- Flow 3:

Average throughput: 10.25 Mbit/s

95th percentile per-packet one-way delay: 54.771 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-26 19:24:57

End at: 2018-01-26 19:25:27

Below is generated by plot.py at 2018-01-26 22:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 27.06 Mbit/s

95th percentile per-packet one-way delay: 54.859 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.46 Mbit/s

95th percentile per-packet one-way delay: 54.676 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 19.33 Mbit/s

95th percentile per-packet one-way delay: 55.053 ms

Loss rate: 0.00%

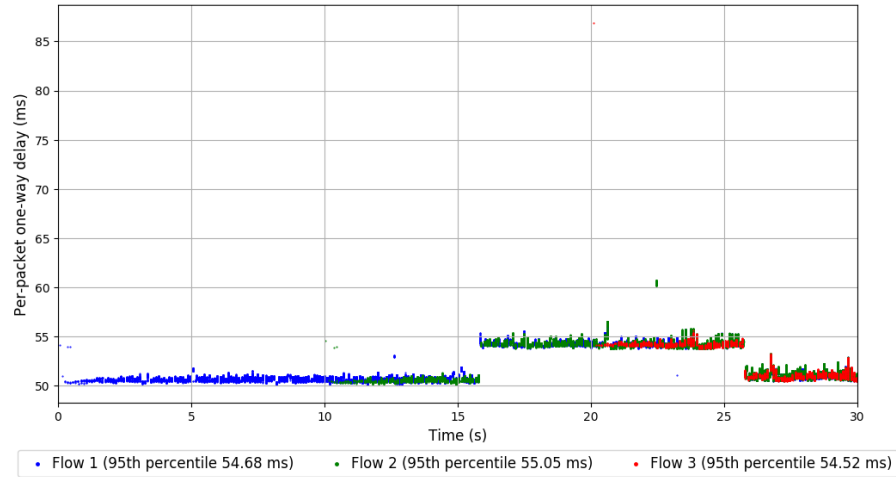
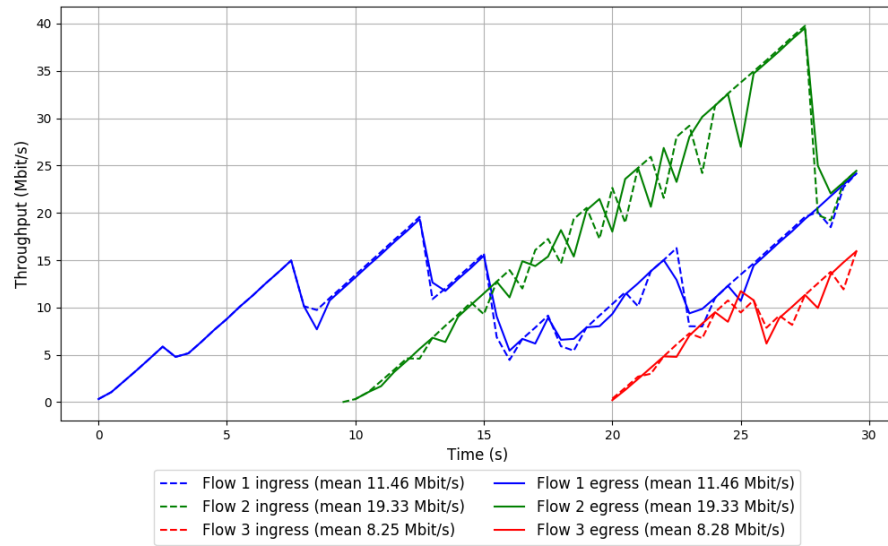
-- Flow 3:

Average throughput: 8.28 Mbit/s

95th percentile per-packet one-way delay: 54.520 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-26 19:39:28

End at: 2018-01-26 19:39:58

Below is generated by plot.py at 2018-01-26 22:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.41 Mbit/s

95th percentile per-packet one-way delay: 54.791 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 14.84 Mbit/s

95th percentile per-packet one-way delay: 54.790 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 54.800 ms

Loss rate: 0.00%

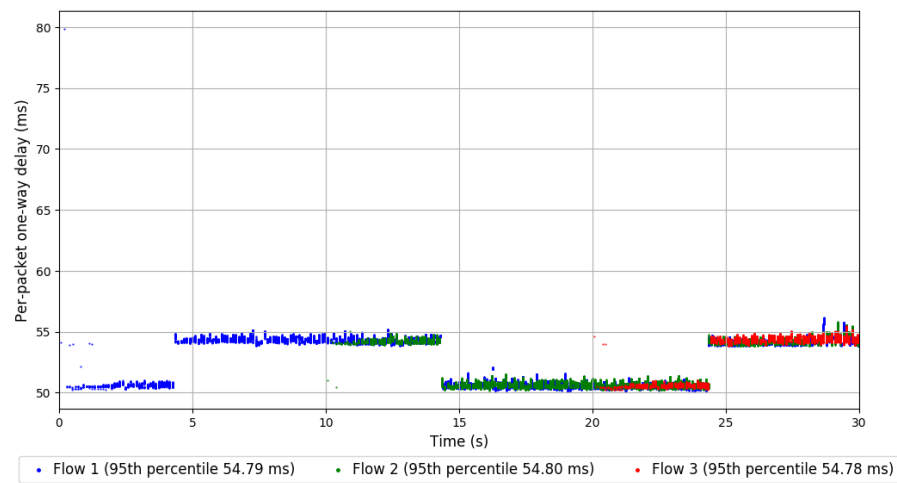
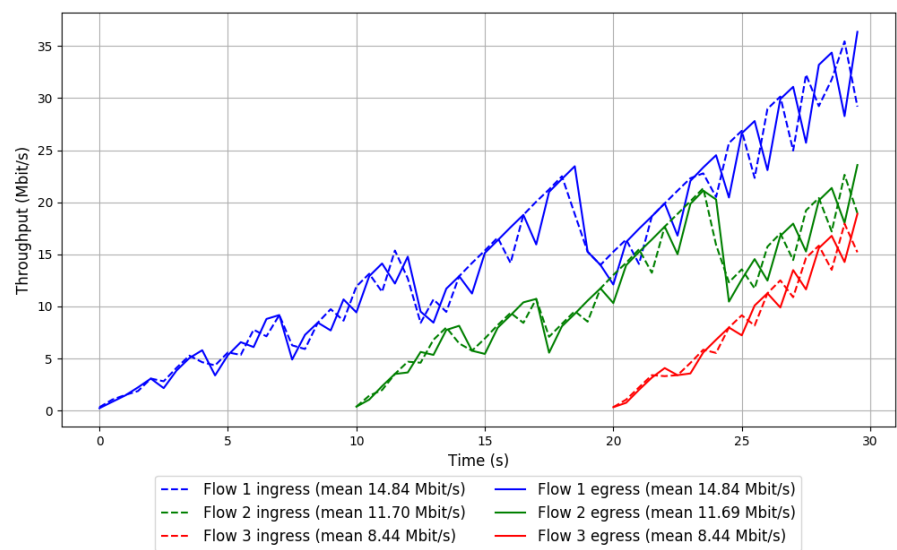
-- Flow 3:

Average throughput: 8.44 Mbit/s

95th percentile per-packet one-way delay: 54.784 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-26 19:53:24

End at: 2018-01-26 19:53:54

Below is generated by plot.py at 2018-01-26 22:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.57 Mbit/s

95th percentile per-packet one-way delay: 54.492 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 54.443 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 11.99 Mbit/s

95th percentile per-packet one-way delay: 54.606 ms

Loss rate: 0.02%

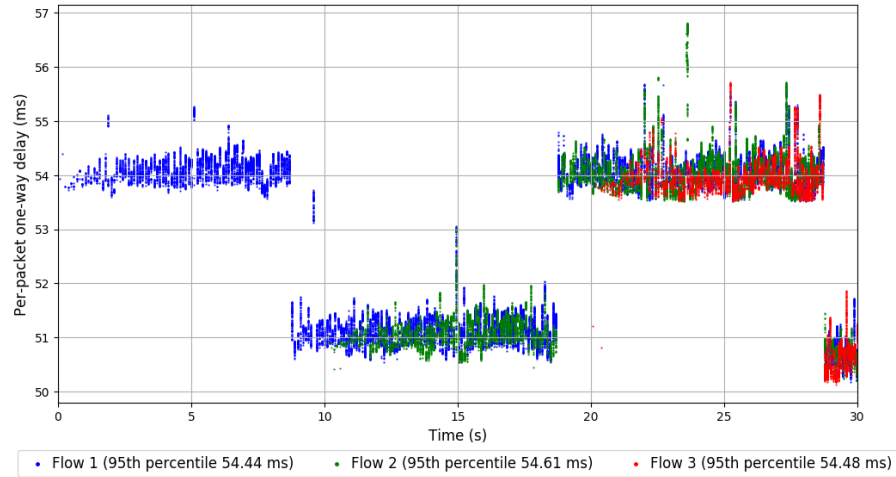
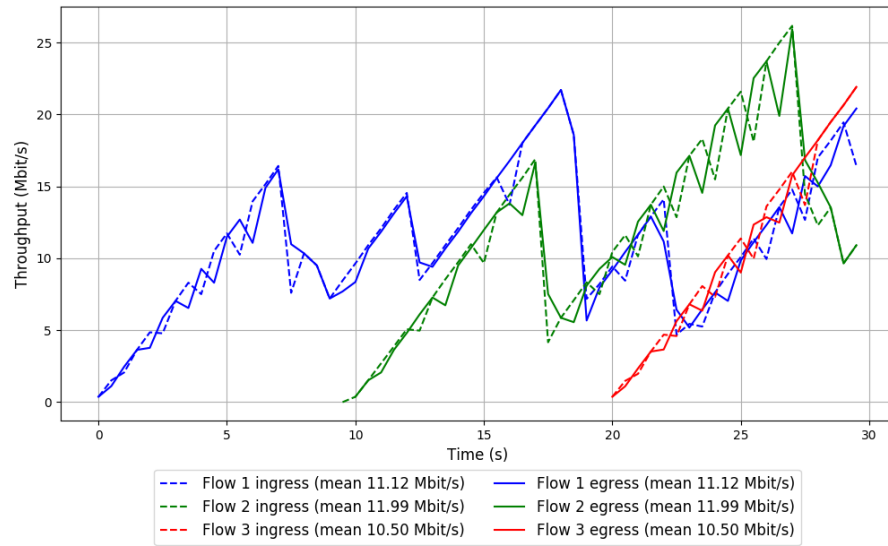
-- Flow 3:

Average throughput: 10.50 Mbit/s

95th percentile per-packet one-way delay: 54.479 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-26 20:07:51

End at: 2018-01-26 20:08:21

Below is generated by plot.py at 2018-01-26 22:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 27.31 Mbit/s

95th percentile per-packet one-way delay: 54.181 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 16.54 Mbit/s

95th percentile per-packet one-way delay: 54.292 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 14.81 Mbit/s

95th percentile per-packet one-way delay: 51.250 ms

Loss rate: 0.00%

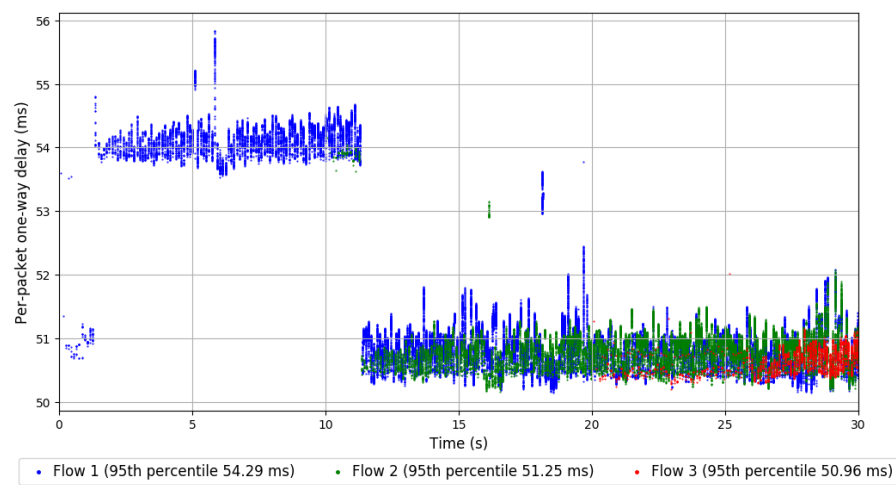
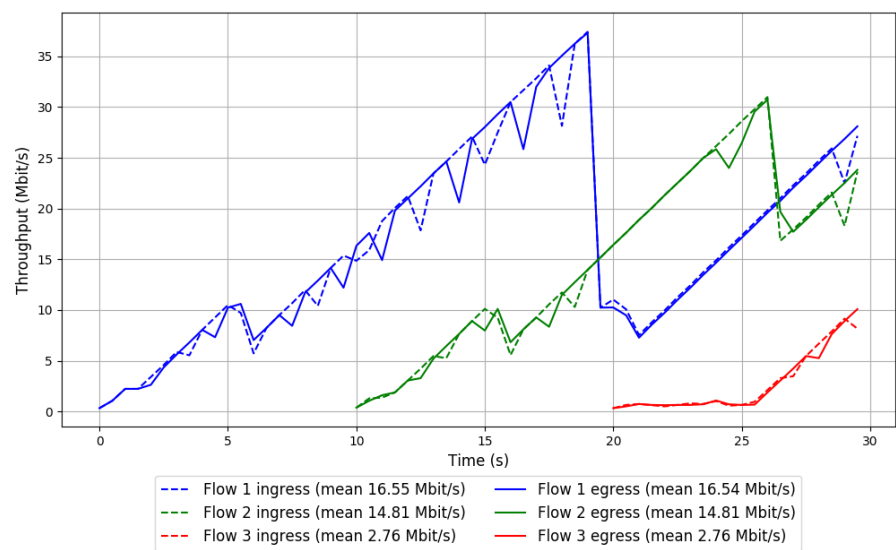
-- Flow 3:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 50.963 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-01-26 20:21:58

End at: 2018-01-26 20:22:28

Below is generated by plot.py at 2018-01-26 22:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.56 Mbit/s

95th percentile per-packet one-way delay: 54.514 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 54.276 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 22.16 Mbit/s

95th percentile per-packet one-way delay: 54.586 ms

Loss rate: 0.00%

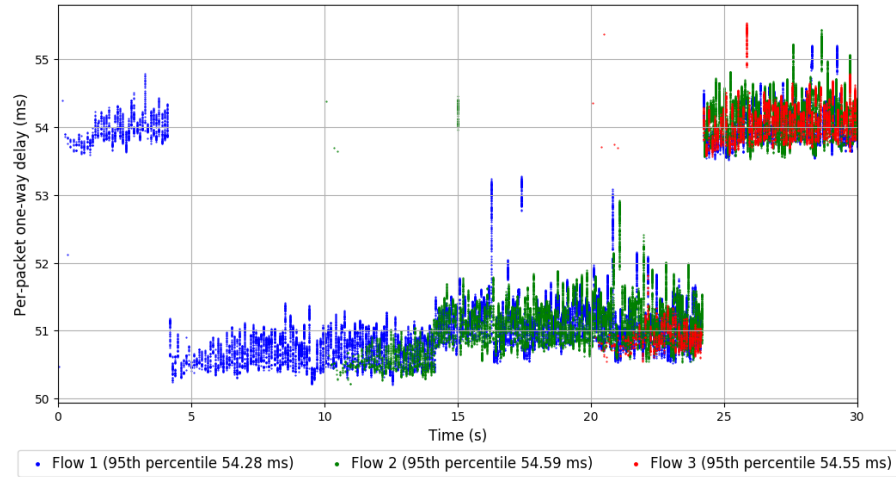
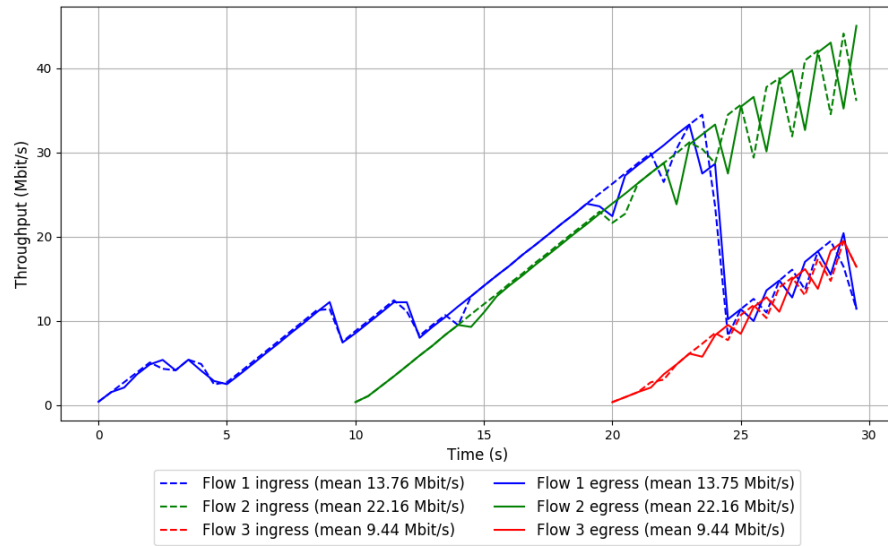
-- Flow 3:

Average throughput: 9.44 Mbit/s

95th percentile per-packet one-way delay: 54.551 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-01-26 20:36:00

End at: 2018-01-26 20:36:30

Below is generated by plot.py at 2018-01-26 22:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.17 Mbit/s

95th percentile per-packet one-way delay: 54.355 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 54.226 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 54.448 ms

Loss rate: 0.00%

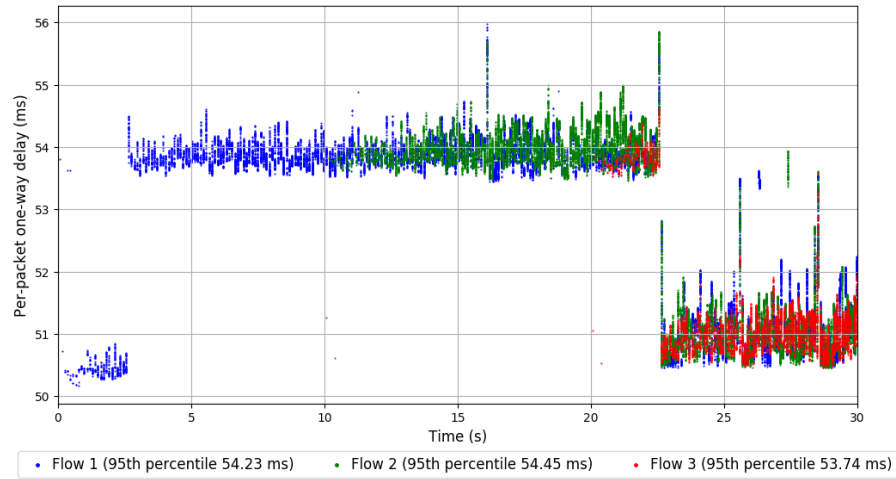
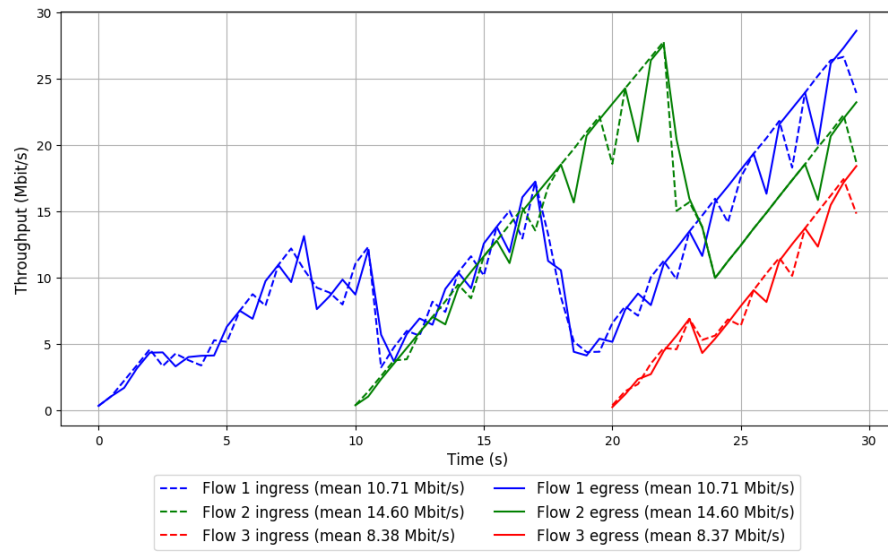
-- Flow 3:

Average throughput: 8.37 Mbit/s

95th percentile per-packet one-way delay: 53.738 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-26 20:50:20

End at: 2018-01-26 20:50:50

Below is generated by plot.py at 2018-01-26 22:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.95 Mbit/s

95th percentile per-packet one-way delay: 54.448 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 54.510 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 12.12 Mbit/s

95th percentile per-packet one-way delay: 54.367 ms

Loss rate: 0.00%

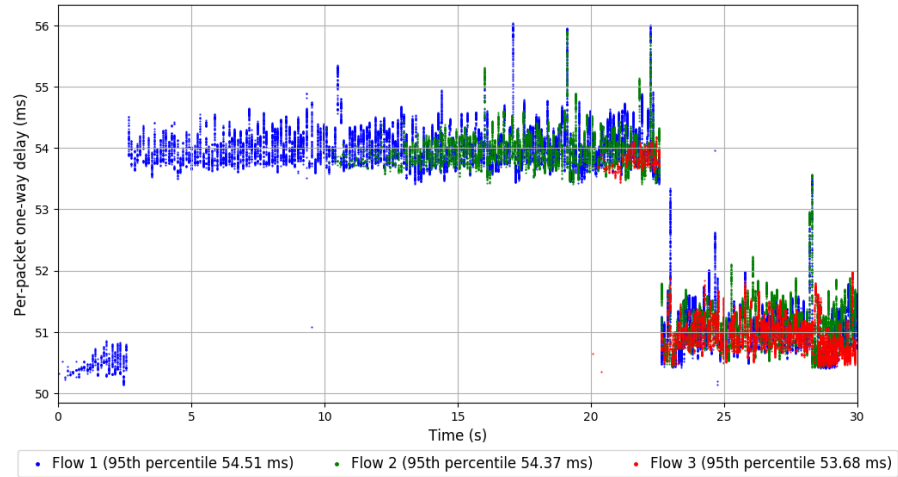
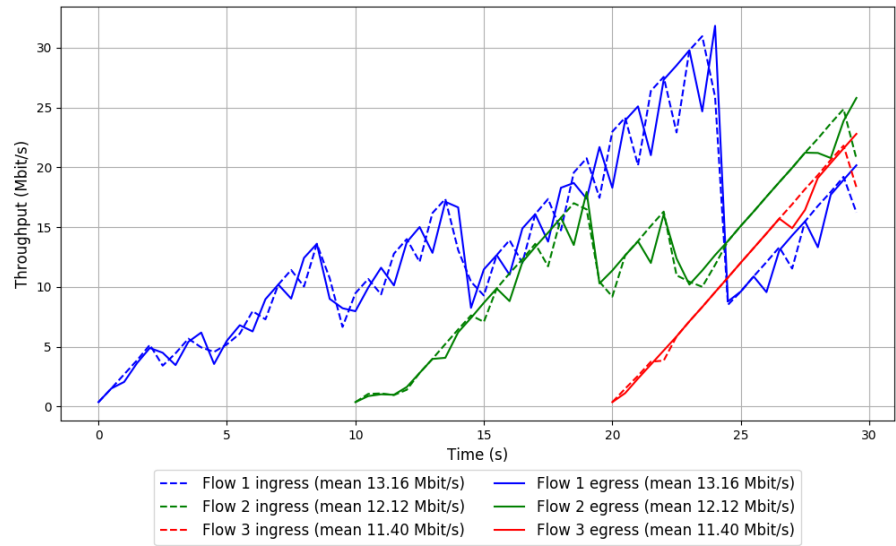
-- Flow 3:

Average throughput: 11.40 Mbit/s

95th percentile per-packet one-way delay: 53.676 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

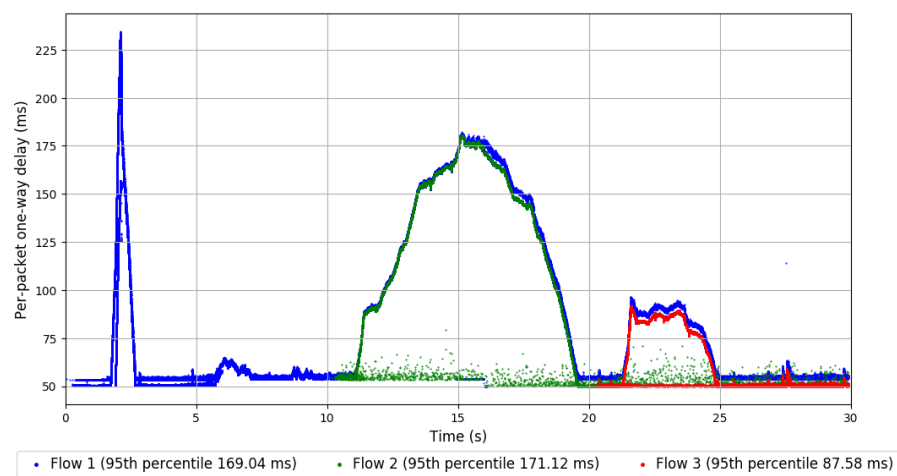
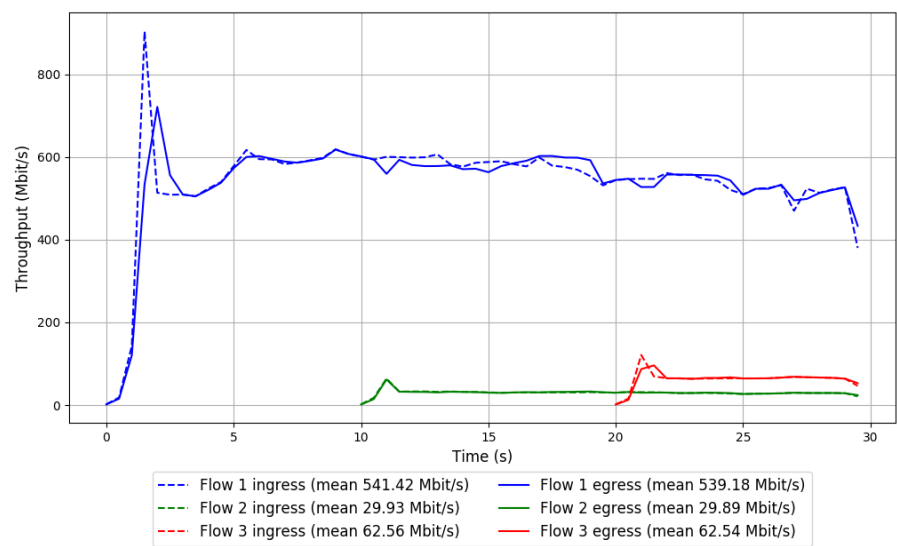


```
Run 1: Statistics of PCC

Start at: 2018-01-26 18:34:36
End at: 2018-01-26 18:35:06

# Below is generated by plot.py at 2018-01-26 22:32:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 579.57 Mbit/s
95th percentile per-packet one-way delay: 168.700 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 539.18 Mbit/s
95th percentile per-packet one-way delay: 169.044 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 171.115 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 62.54 Mbit/s
95th percentile per-packet one-way delay: 87.581 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-26 18:48:48

End at: 2018-01-26 18:49:18

Below is generated by plot.py at 2018-01-26 22:32:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 608.81 Mbit/s

95th percentile per-packet one-way delay: 165.425 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 584.58 Mbit/s

95th percentile per-packet one-way delay: 165.314 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 165.592 ms

Loss rate: 0.64%

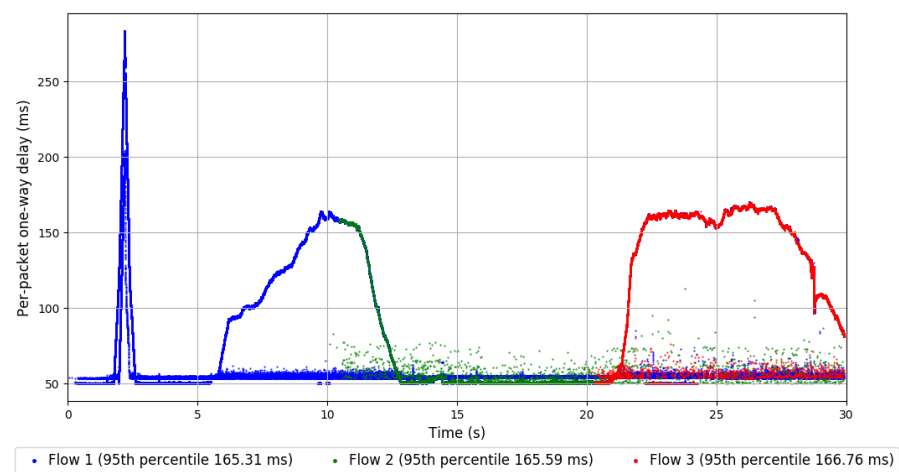
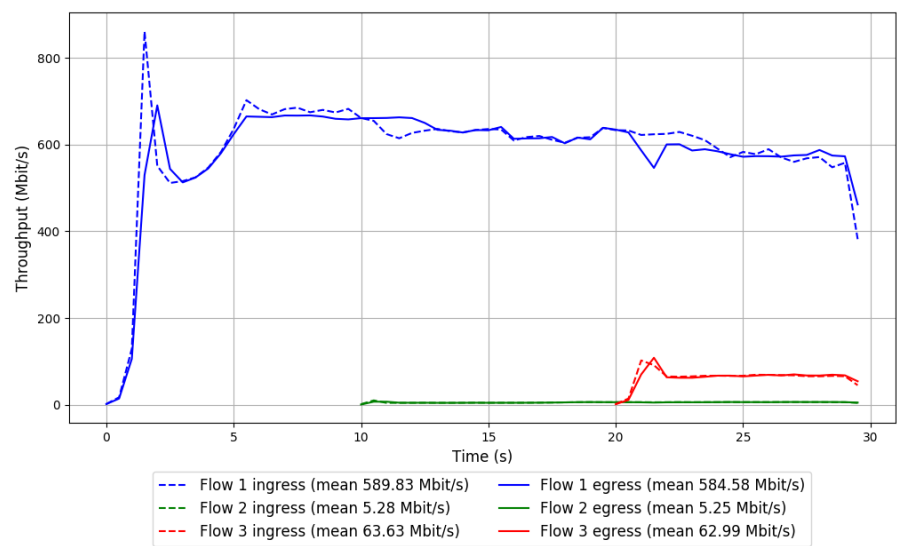
-- Flow 3:

Average throughput: 62.99 Mbit/s

95th percentile per-packet one-way delay: 166.760 ms

Loss rate: 1.03%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-26 19:02:44

End at: 2018-01-26 19:03:14

Below is generated by plot.py at 2018-01-26 22:32:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 576.81 Mbit/s

95th percentile per-packet one-way delay: 178.942 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 509.63 Mbit/s

95th percentile per-packet one-way delay: 187.565 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 68.88 Mbit/s

95th percentile per-packet one-way delay: 157.628 ms

Loss rate: 0.17%

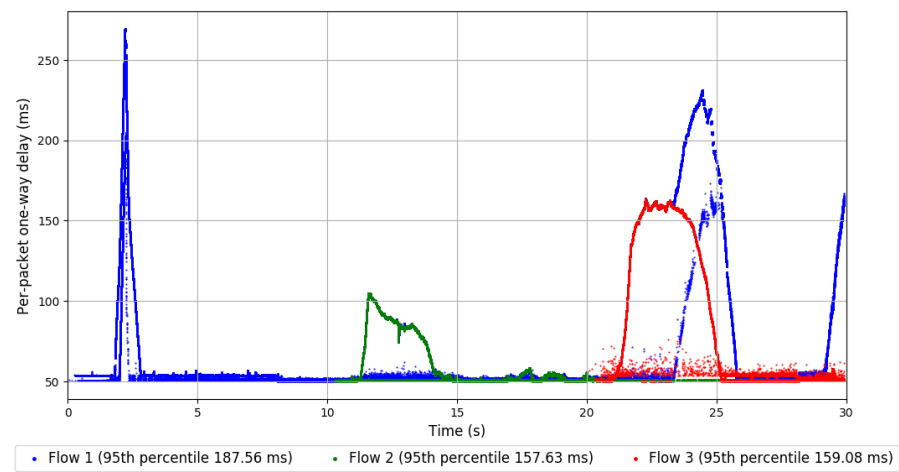
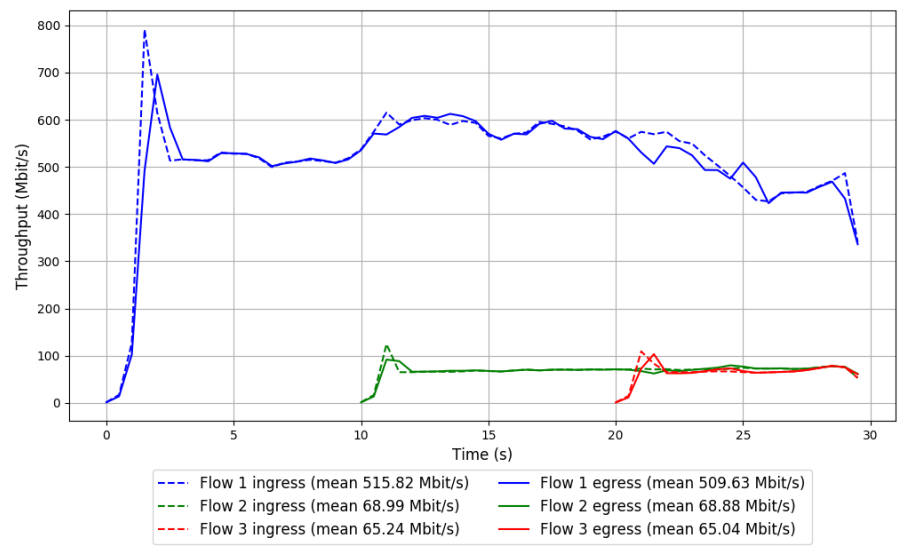
-- Flow 3:

Average throughput: 65.04 Mbit/s

95th percentile per-packet one-way delay: 159.082 ms

Loss rate: 0.36%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-26 19:17:23

End at: 2018-01-26 19:17:53

Below is generated by plot.py at 2018-01-26 22:32:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 584.00 Mbit/s

95th percentile per-packet one-way delay: 172.231 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 579.34 Mbit/s

95th percentile per-packet one-way delay: 172.222 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 4.89 Mbit/s

95th percentile per-packet one-way delay: 172.380 ms

Loss rate: 0.59%

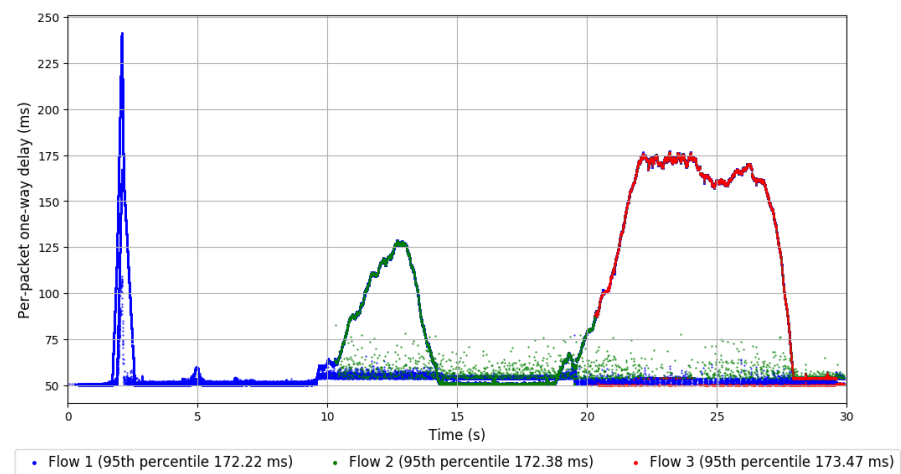
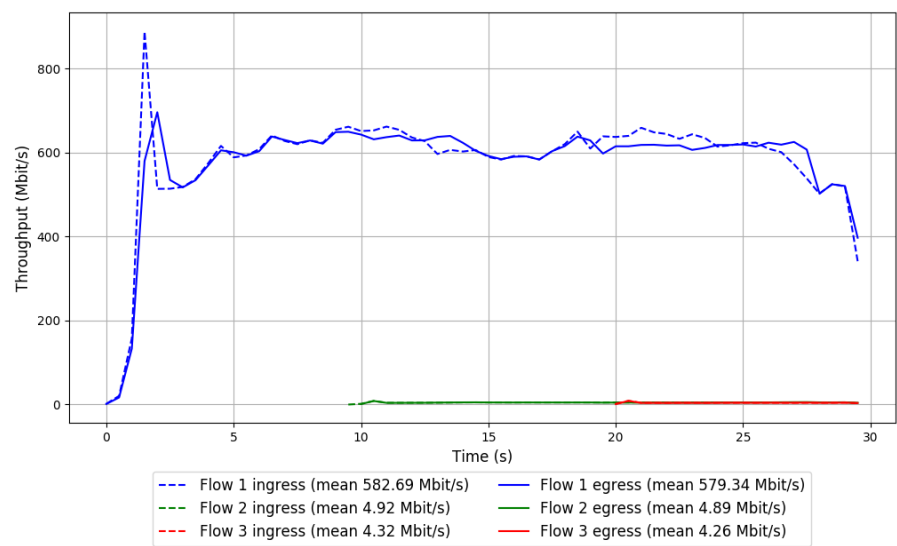
-- Flow 3:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 173.468 ms

Loss rate: 1.36%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

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

End at: 2018-01-26 19:31:42

Below is generated by plot.py at 2018-01-26 22:34:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 582.01 Mbit/s

95th percentile per-packet one-way delay: 279.507 ms

Loss rate: 3.60%

-- Flow 1:

Average throughput: 502.79 Mbit/s

95th percentile per-packet one-way delay: 281.468 ms

Loss rate: 3.46%

-- Flow 2:

Average throughput: 65.92 Mbit/s

95th percentile per-packet one-way delay: 169.989 ms

Loss rate: 3.14%

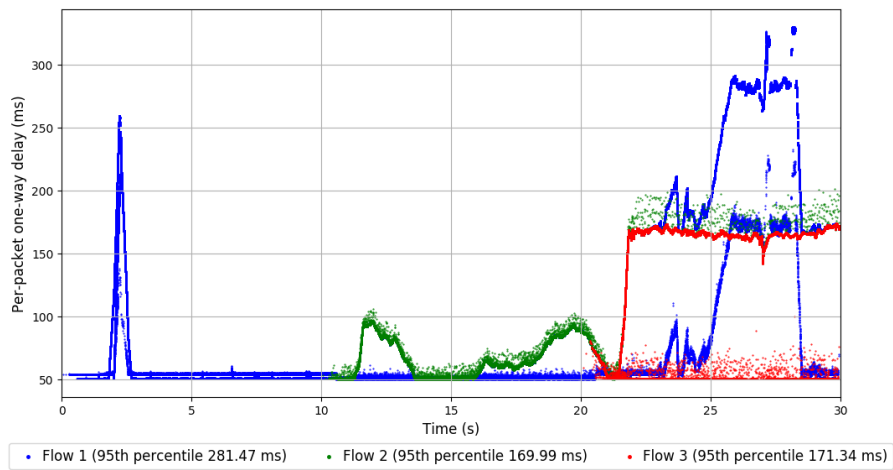
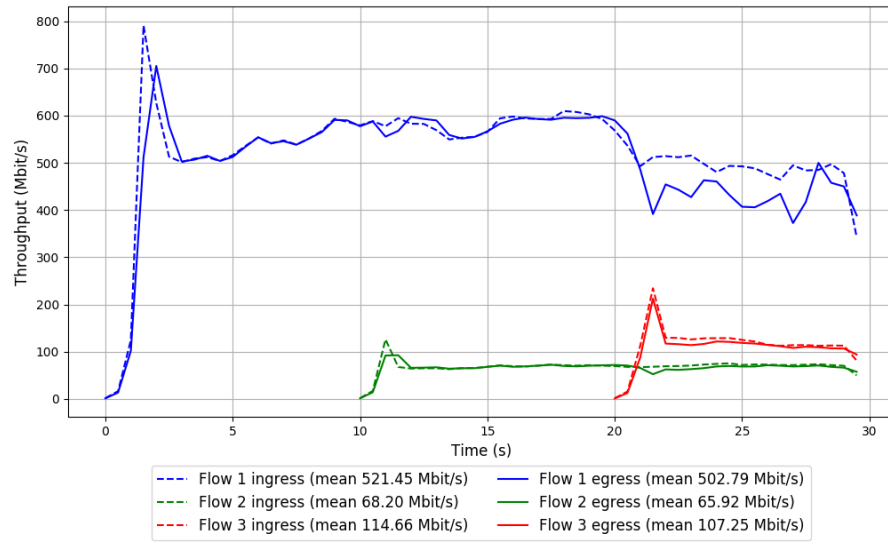
-- Flow 3:

Average throughput: 107.25 Mbit/s

95th percentile per-packet one-way delay: 171.342 ms

Loss rate: 6.14%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-01-26 19:45:35

End at: 2018-01-26 19:46:05

Below is generated by plot.py at 2018-01-26 22:34:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 578.33 Mbit/s

95th percentile per-packet one-way delay: 141.738 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 549.23 Mbit/s

95th percentile per-packet one-way delay: 141.763 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 141.599 ms

Loss rate: 0.00%

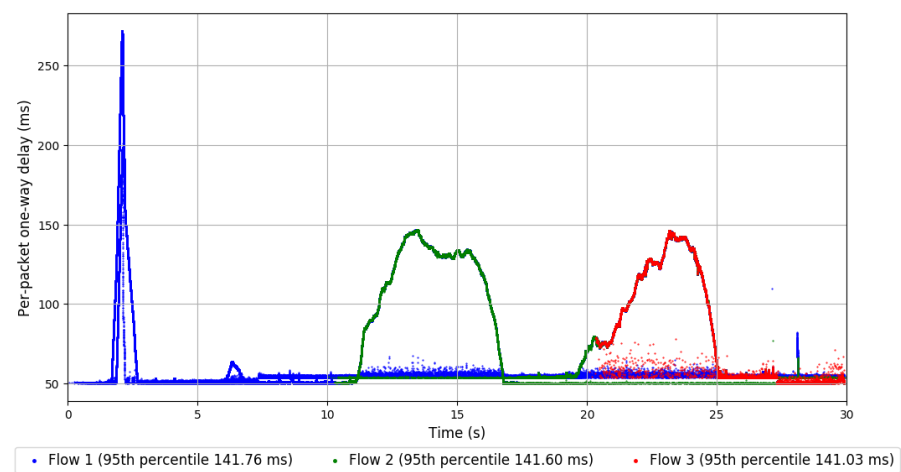
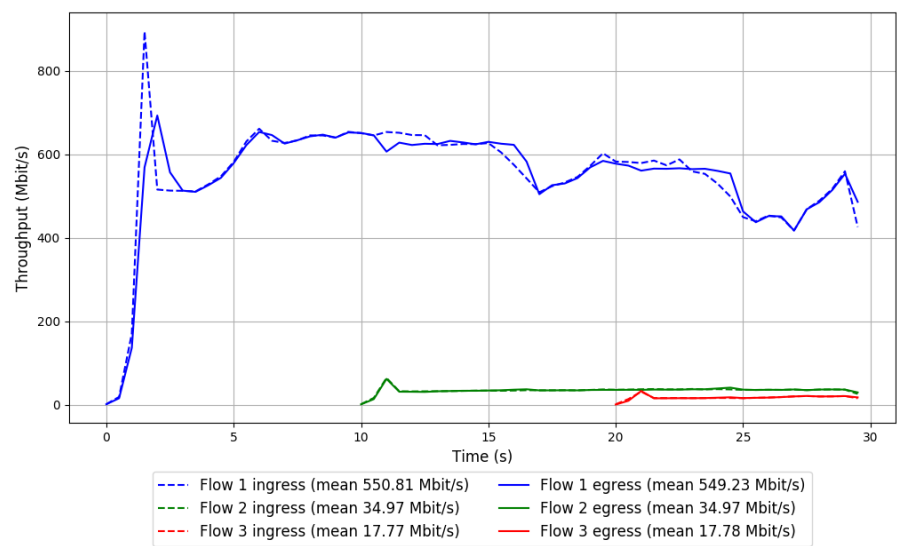
-- Flow 3:

Average throughput: 17.78 Mbit/s

95th percentile per-packet one-way delay: 141.032 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-01-26 19:59:37

End at: 2018-01-26 20:00:08

Below is generated by plot.py at 2018-01-26 22:34:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 564.38 Mbit/s

95th percentile per-packet one-way delay: 140.389 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 537.88 Mbit/s

95th percentile per-packet one-way delay: 140.570 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 19.74 Mbit/s

95th percentile per-packet one-way delay: 134.850 ms

Loss rate: 0.00%

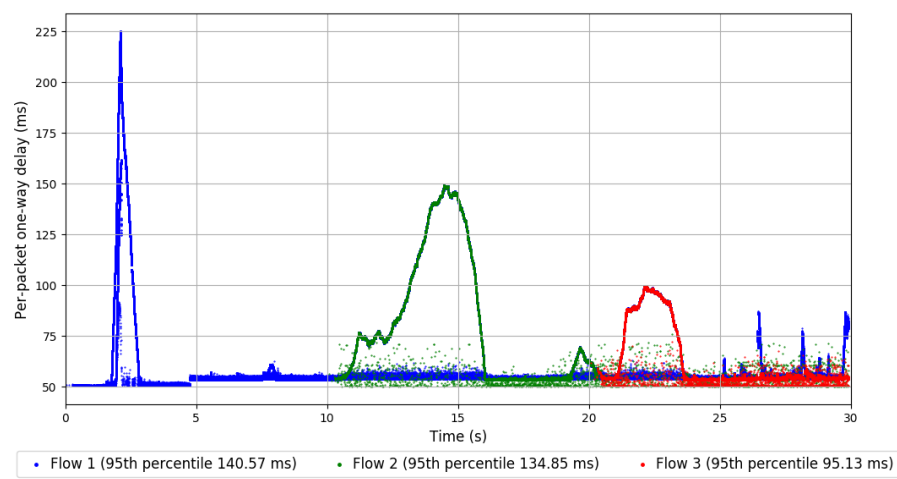
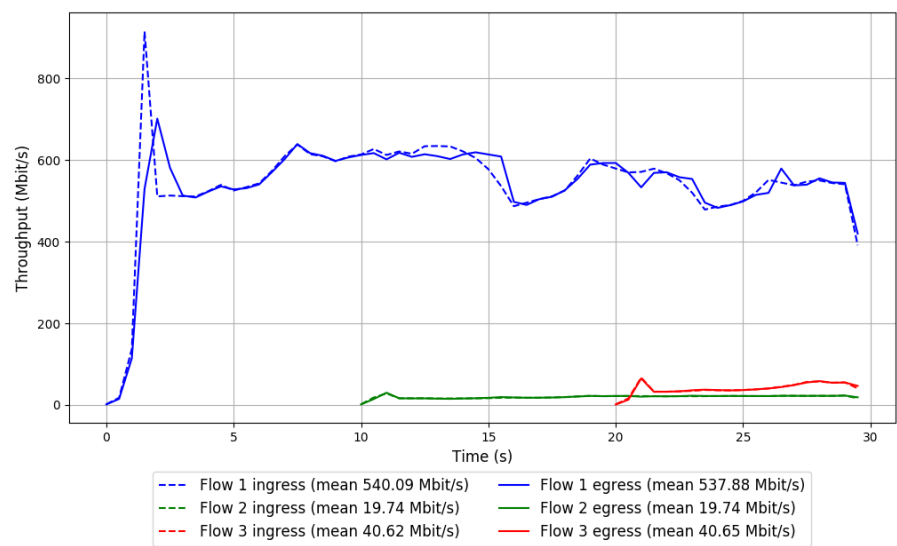
-- Flow 3:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 95.128 ms

Loss rate: 0.00%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-01-26 20:14:03

End at: 2018-01-26 20:14:33

Below is generated by plot.py at 2018-01-26 22:34:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 557.01 Mbit/s

95th percentile per-packet one-way delay: 281.253 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 484.64 Mbit/s

95th percentile per-packet one-way delay: 292.477 ms

Loss rate: 2.72%

-- Flow 2:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 176.027 ms

Loss rate: 2.20%

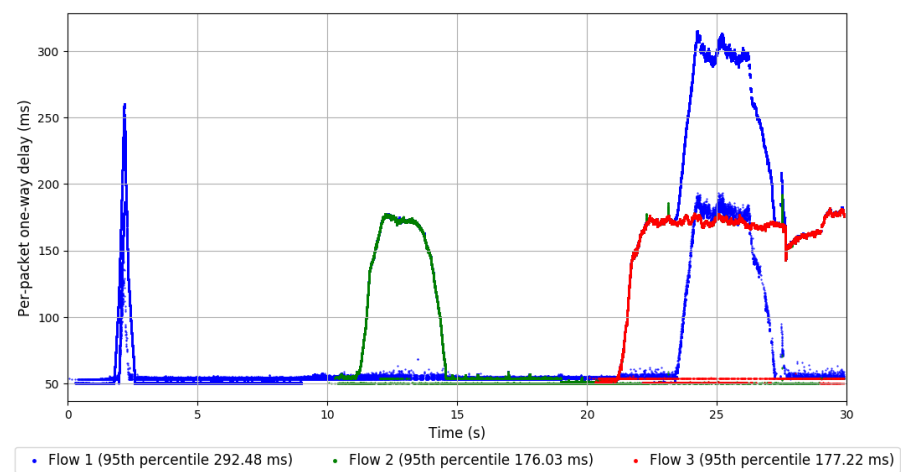
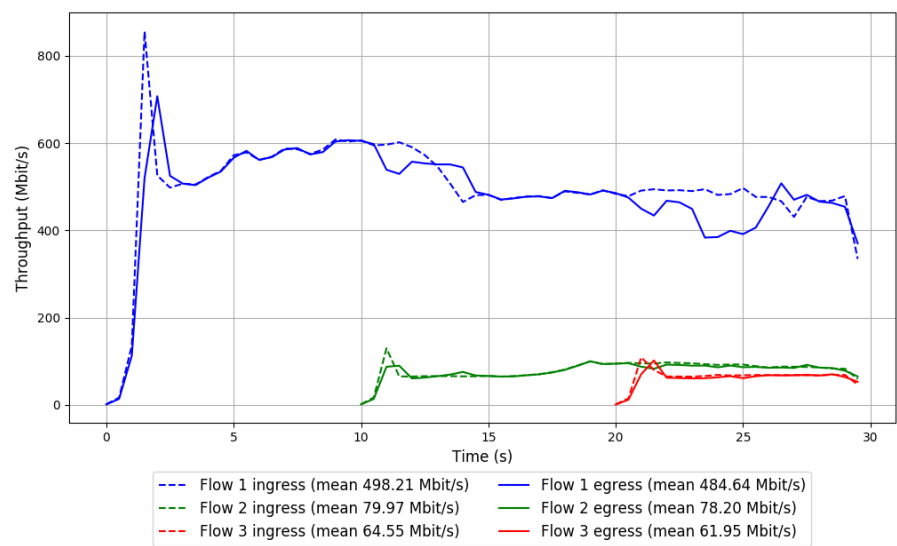
-- Flow 3:

Average throughput: 61.95 Mbit/s

95th percentile per-packet one-way delay: 177.222 ms

Loss rate: 4.02%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-26 20:28:09

End at: 2018-01-26 20:28:39

Below is generated by plot.py at 2018-01-26 22:41:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 572.75 Mbit/s

95th percentile per-packet one-way delay: 168.987 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 512.50 Mbit/s

95th percentile per-packet one-way delay: 168.804 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 62.09 Mbit/s

95th percentile per-packet one-way delay: 169.118 ms

Loss rate: 0.77%

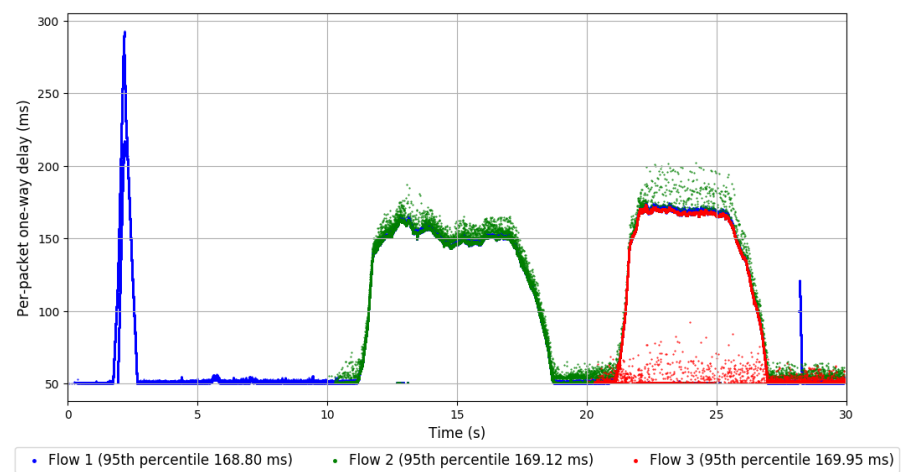
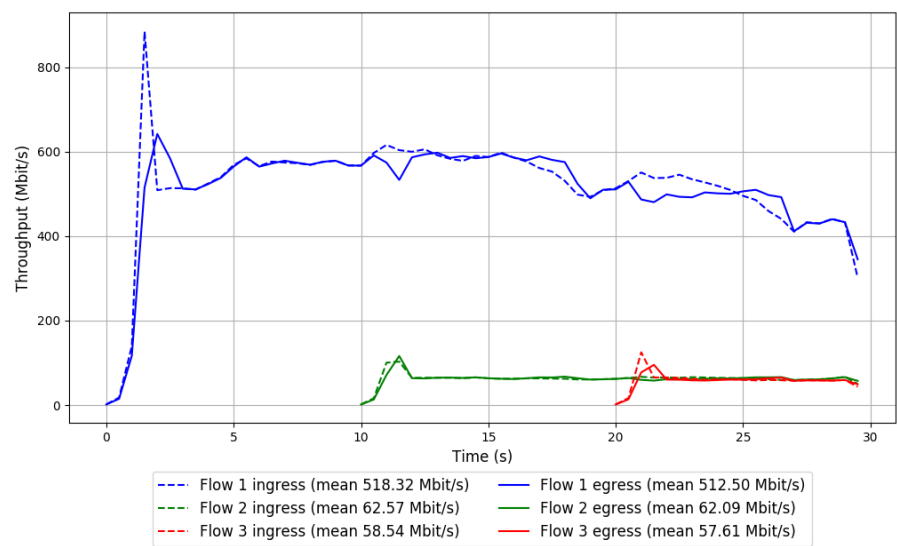
-- Flow 3:

Average throughput: 57.61 Mbit/s

95th percentile per-packet one-way delay: 169.947 ms

Loss rate: 1.55%

Run 9: Report of PCC — Data Link

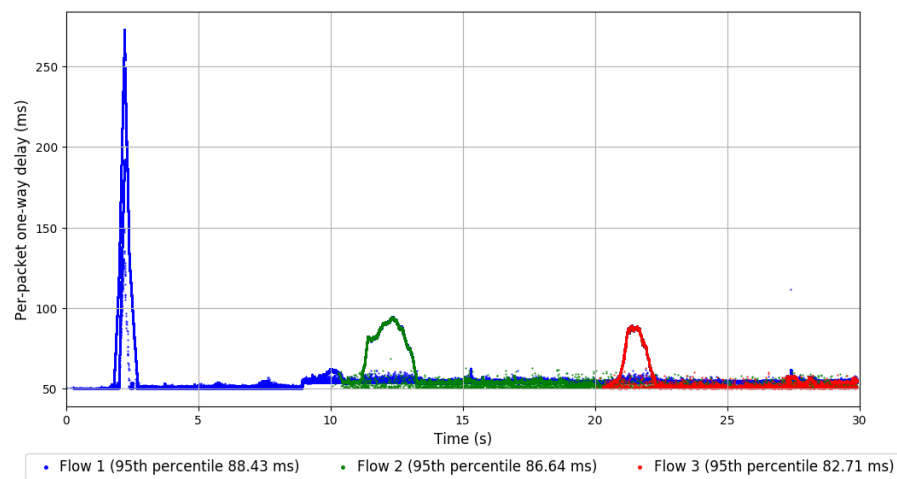
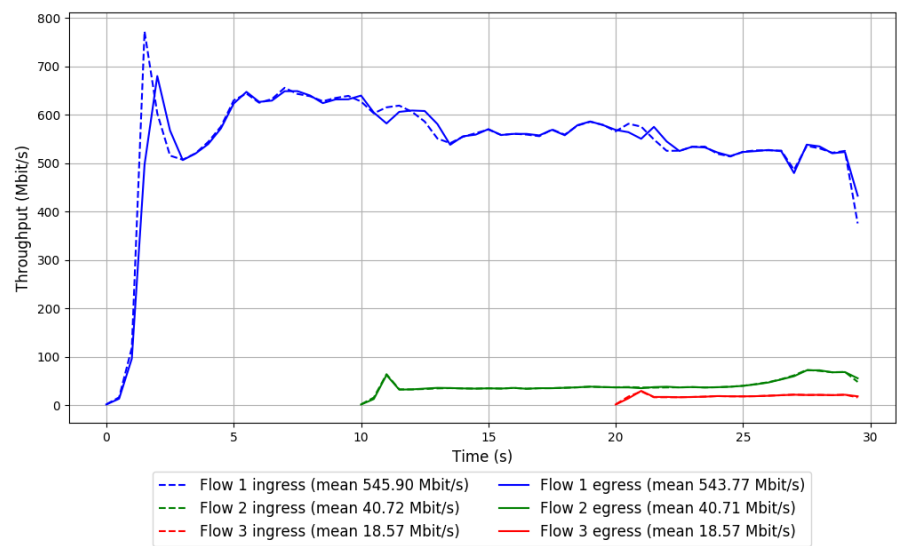


```
Run 10: Statistics of PCC

Start at: 2018-01-26 20:42:13
End at: 2018-01-26 20:42:43

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 576.96 Mbit/s
95th percentile per-packet one-way delay: 88.162 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 543.77 Mbit/s
95th percentile per-packet one-way delay: 88.428 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 86.638 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 82.714 ms
Loss rate: 0.01%
```

Run 10: Report of PCC — Data Link

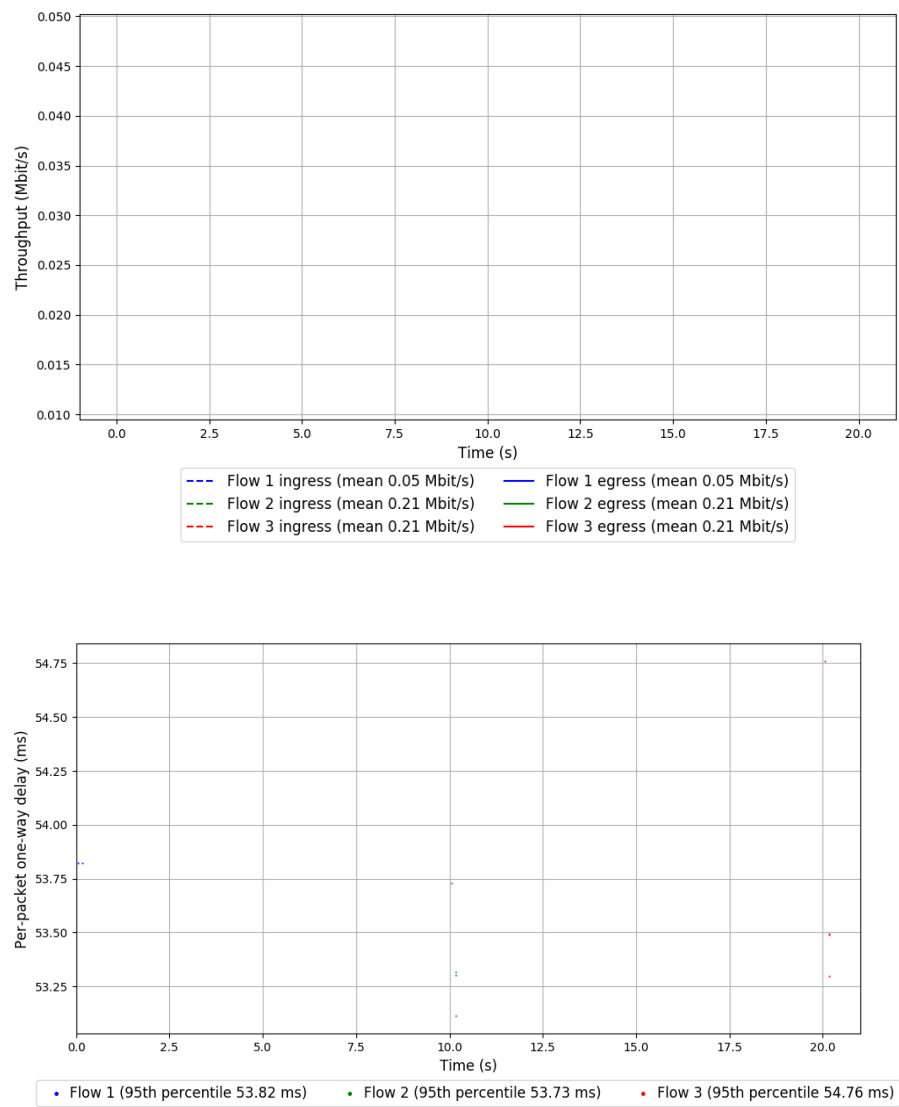


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-26 18:33:57

End at: 2018-01-26 18:34:27

Run 1: Report of QUIC Cubic — Data Link

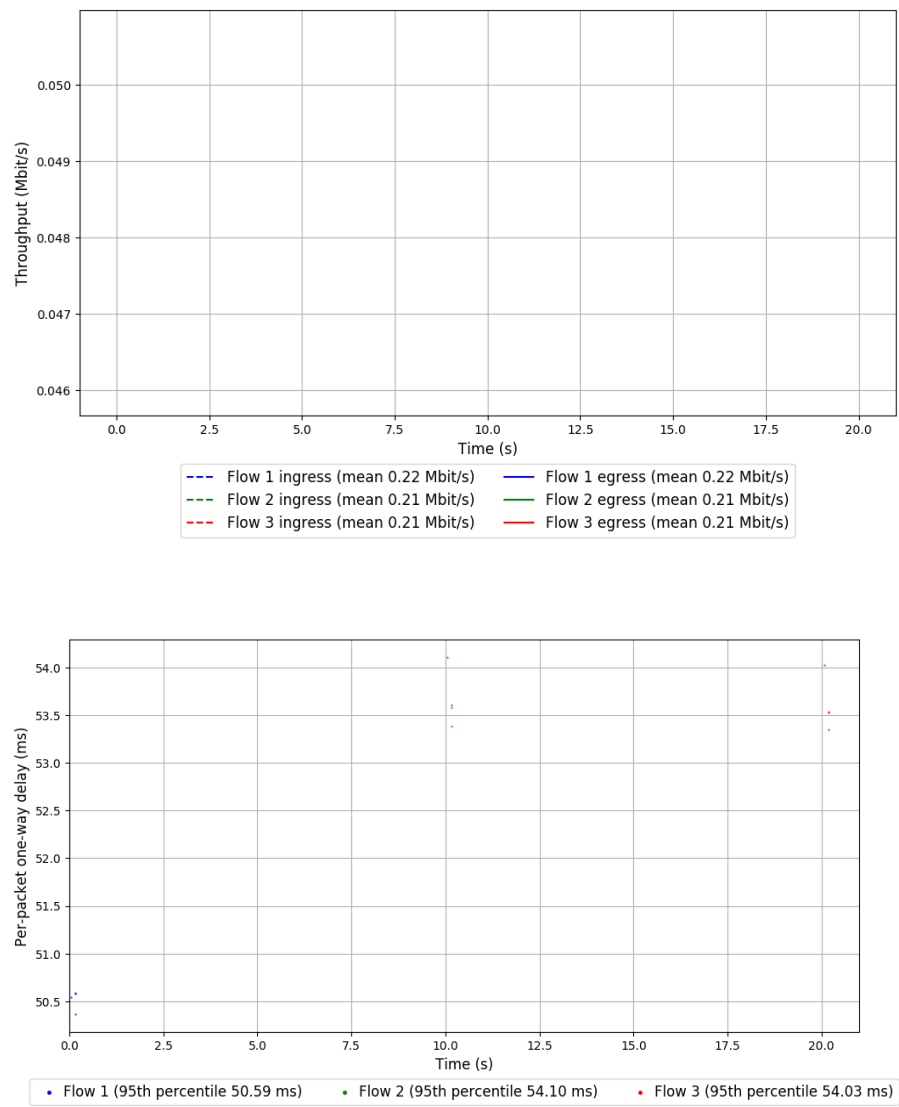


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-26 18:48:07

End at: 2018-01-26 18:48:37

Run 2: Report of QUIC Cubic — Data Link

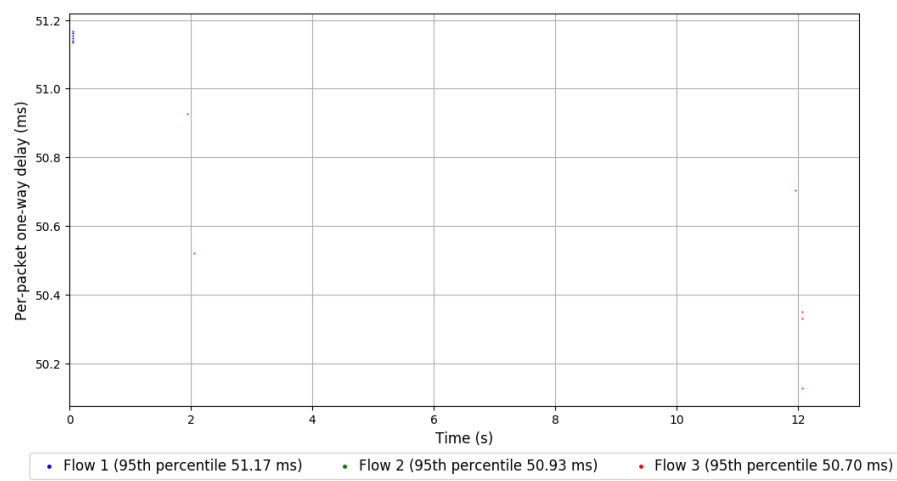
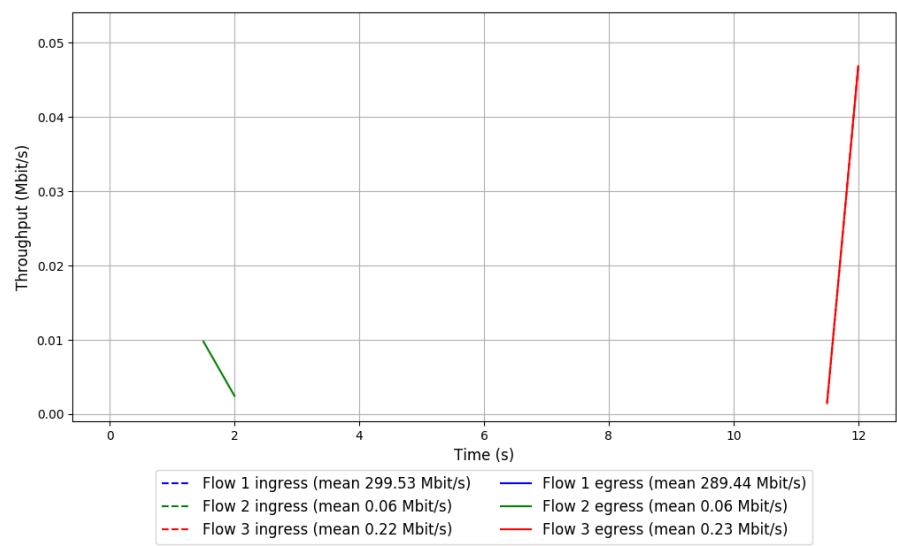


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-26 19:02:05

End at: 2018-01-26 19:02:35

Run 3: Report of QUIC Cubic — Data Link

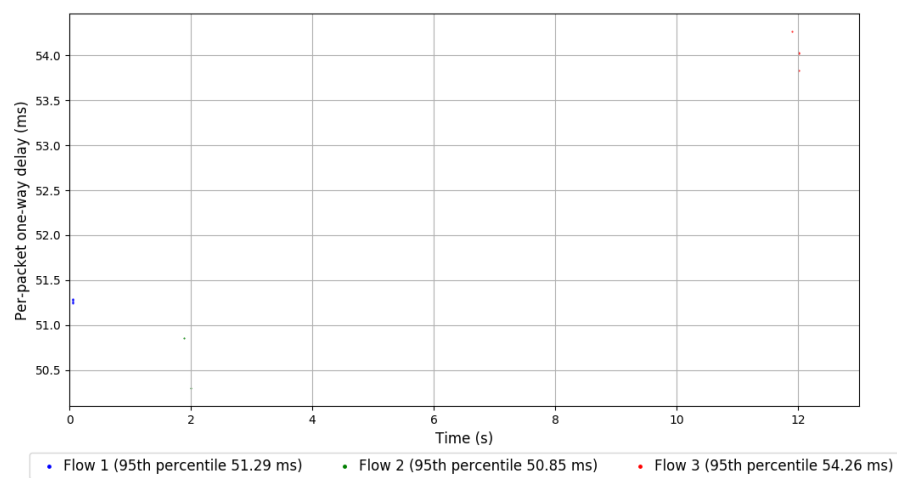
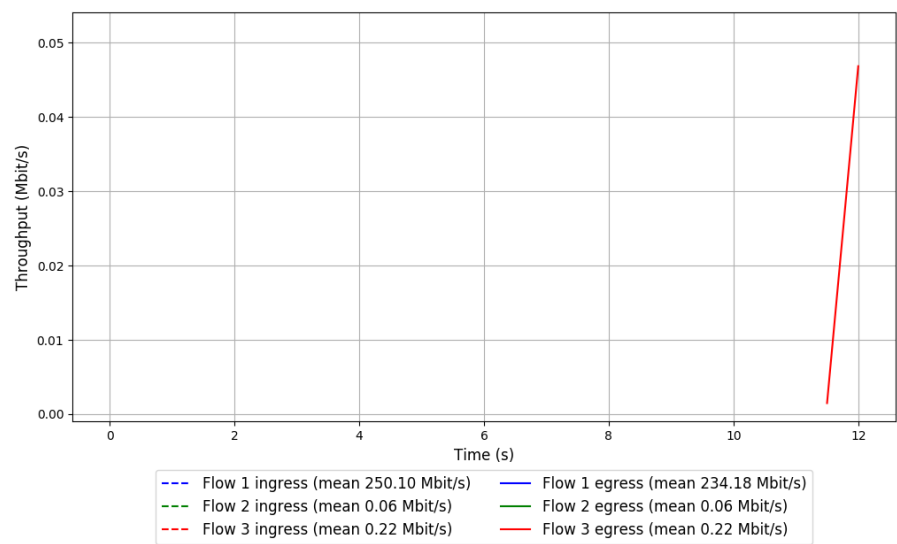


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-26 19:16:43

End at: 2018-01-26 19:17:13

Run 4: Report of QUIC Cubic — Data Link

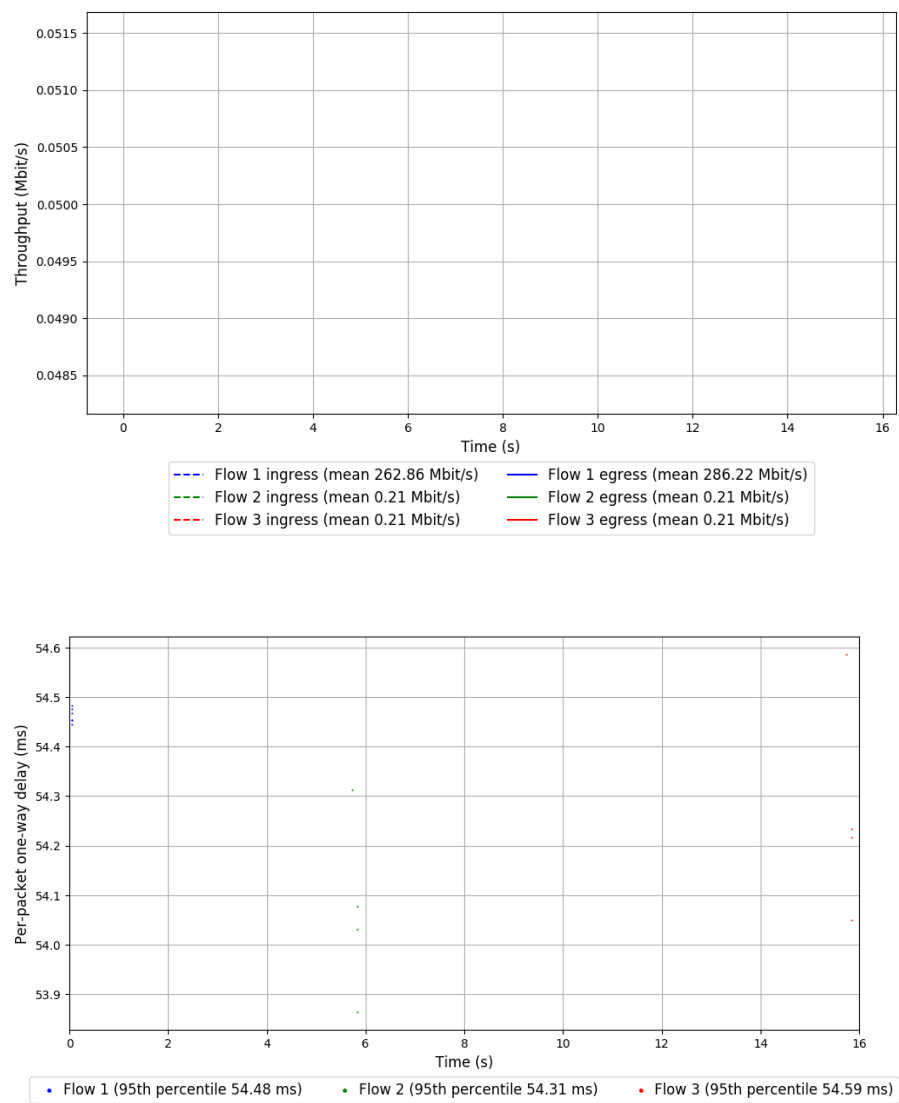


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-26 19:30:32

End at: 2018-01-26 19:31:02

Run 5: Report of QUIC Cubic — Data Link

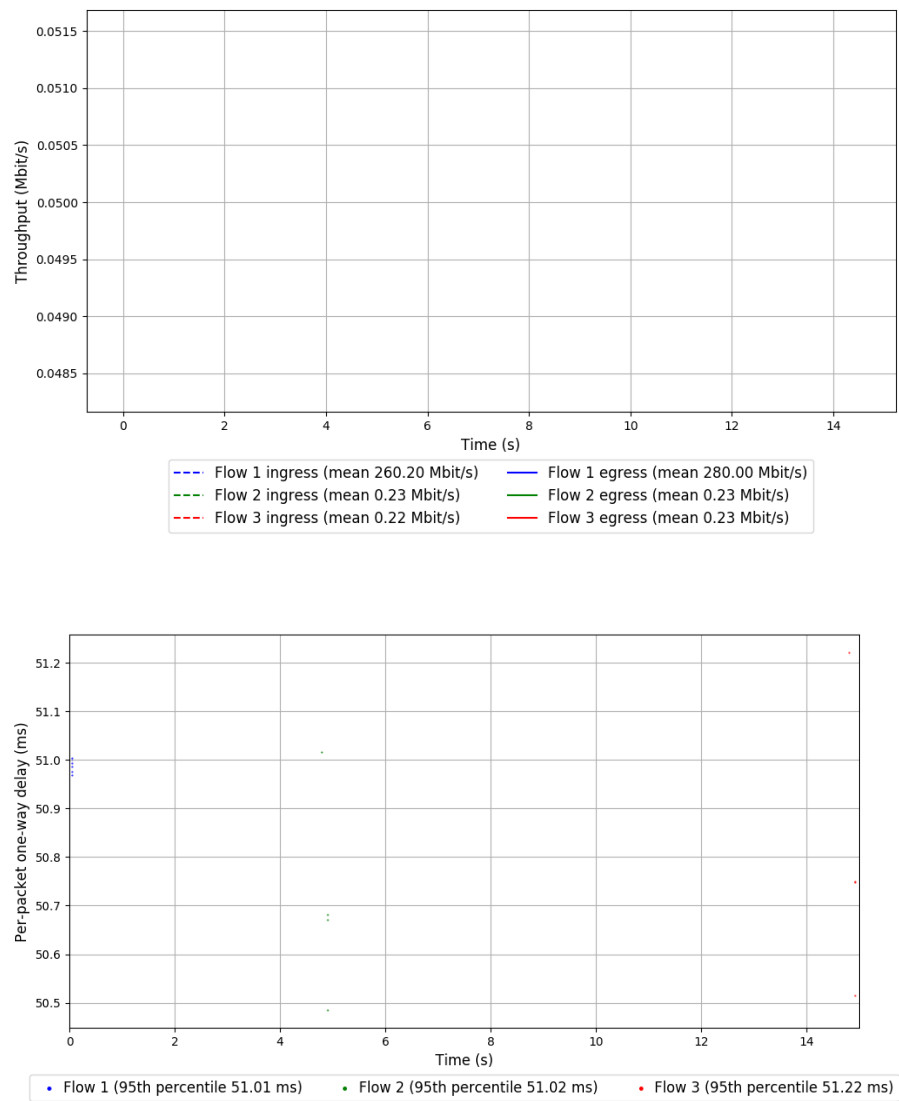


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-26 19:44:55

End at: 2018-01-26 19:45:25

Run 6: Report of QUIC Cubic — Data Link

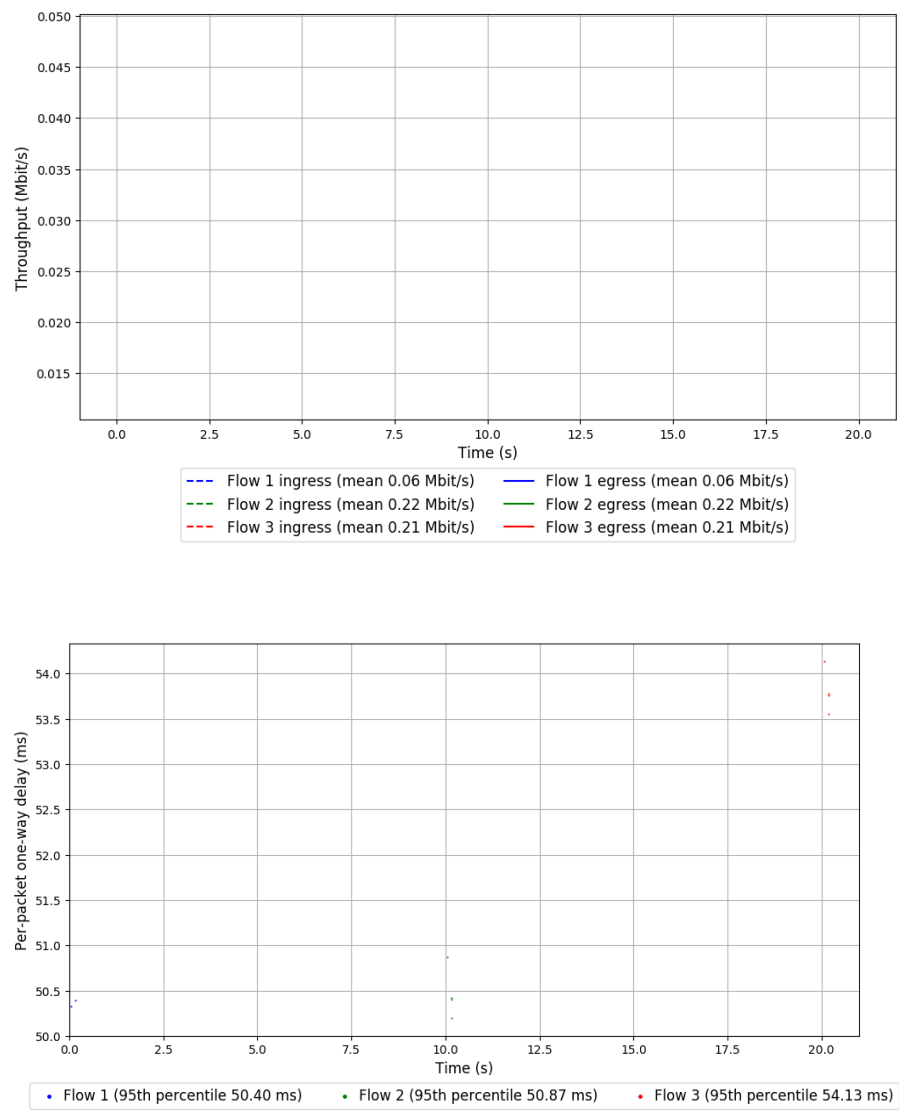


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-26 19:58:58

End at: 2018-01-26 19:59:28

Run 7: Report of QUIC Cubic — Data Link

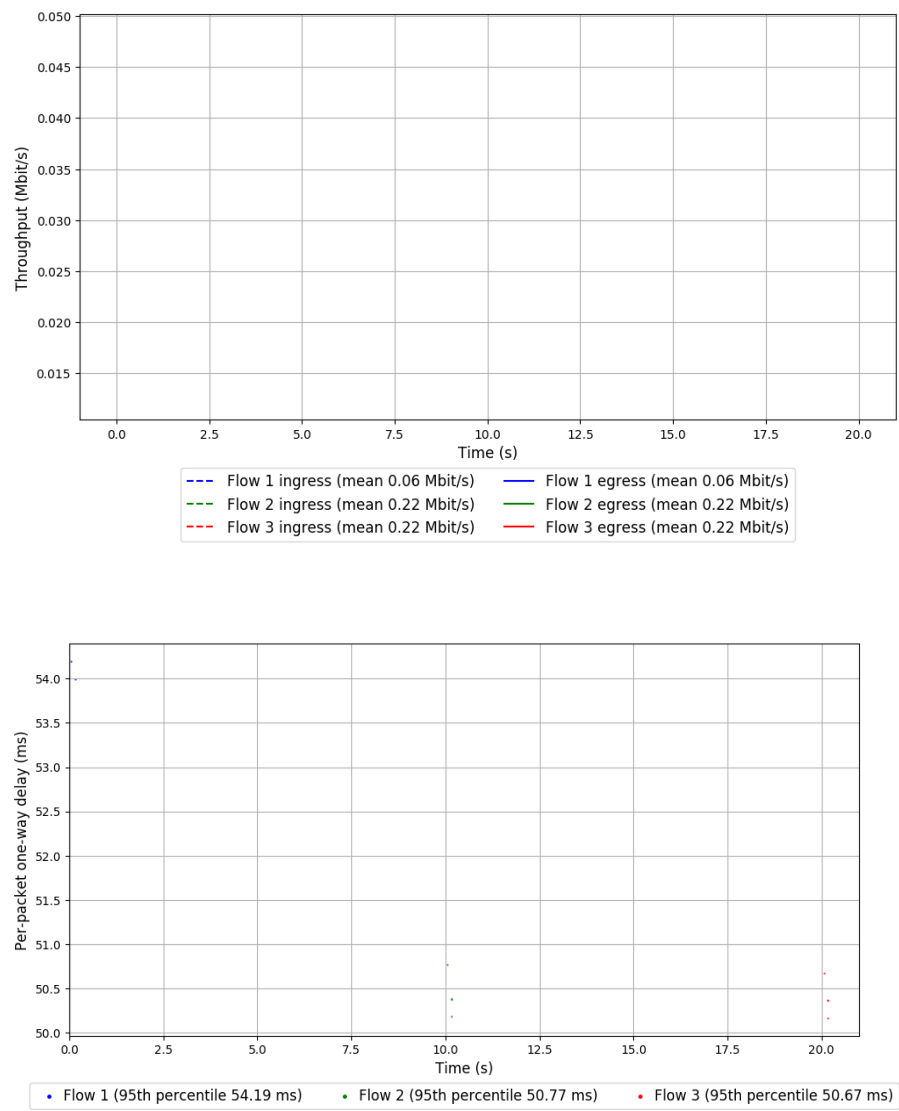


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-26 20:13:24

End at: 2018-01-26 20:13:54

Run 8: Report of QUIC Cubic — Data Link

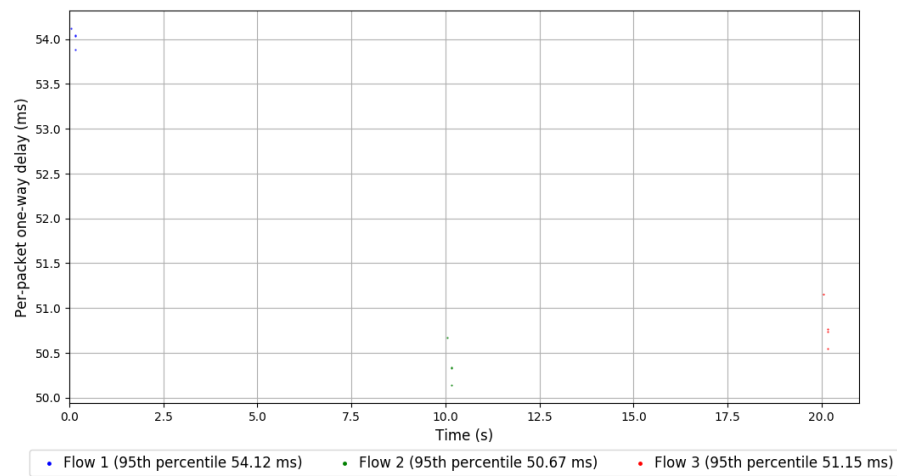
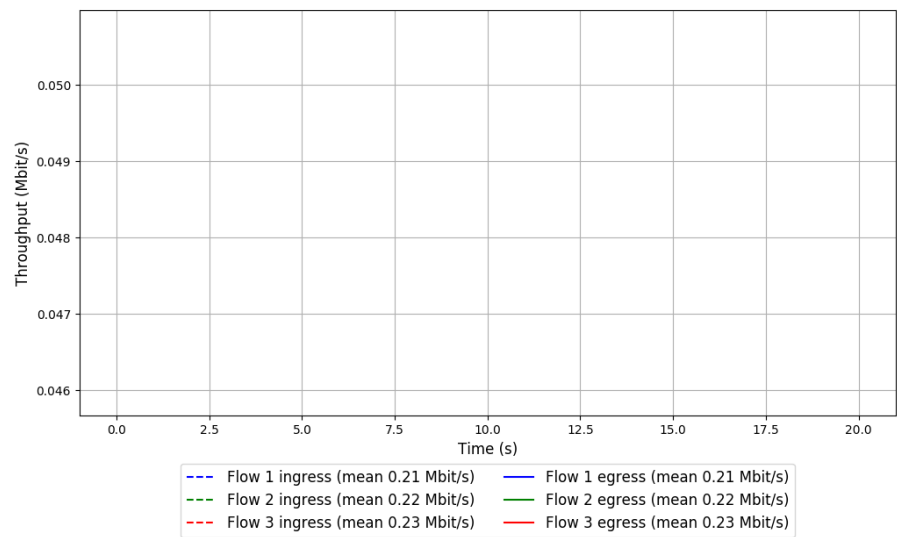


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-26 20:27:29

End at: 2018-01-26 20:27:59

Run 9: Report of QUIC Cubic — Data Link

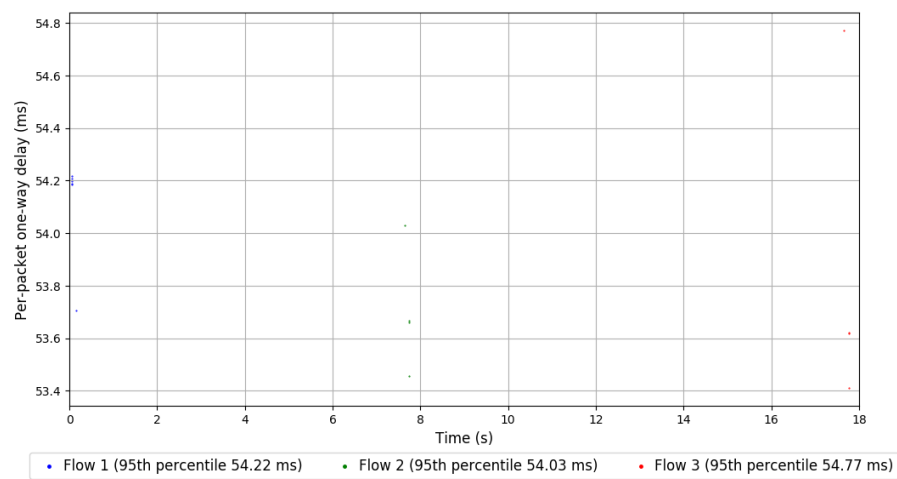
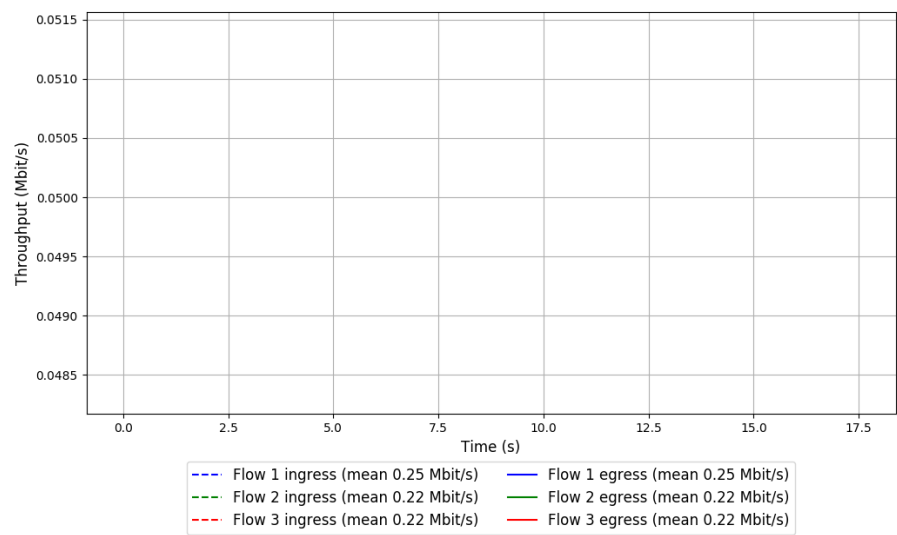


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-26 20:41:34

End at: 2018-01-26 20:42:04

Run 10: Report of QUIC Cubic — Data Link

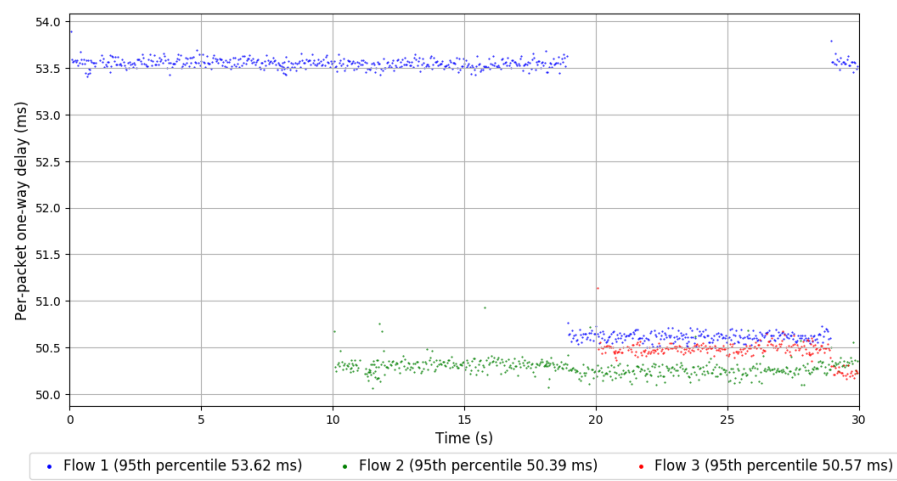
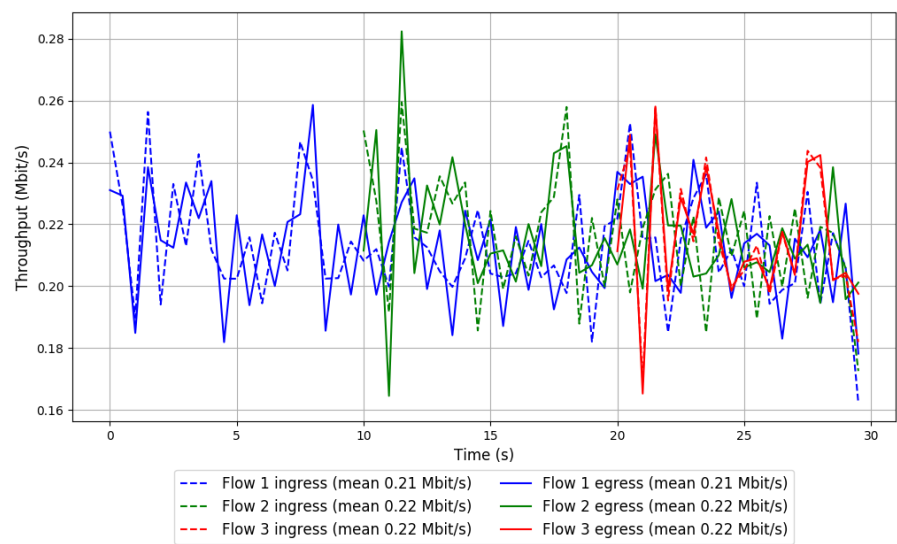


```
Run 1: Statistics of SCReAM

Start at: 2018-01-26 18:41:13
End at: 2018-01-26 18:41:43

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.624 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.390 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.568 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

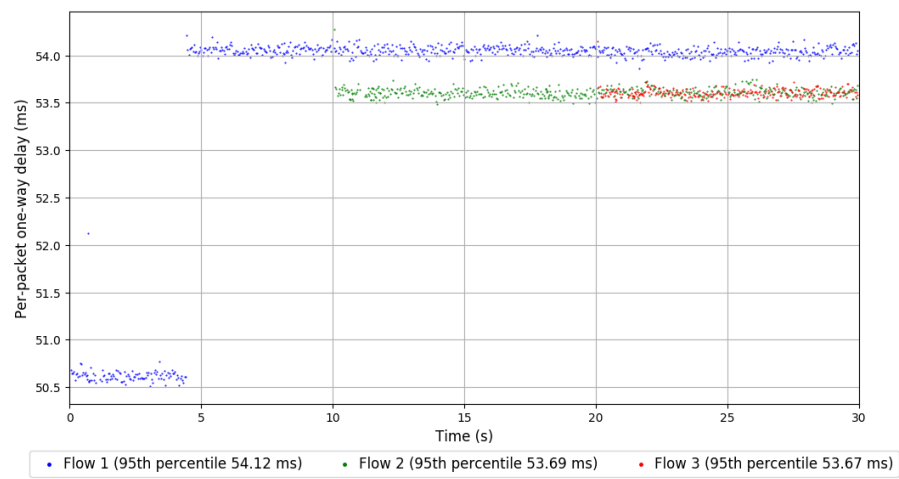
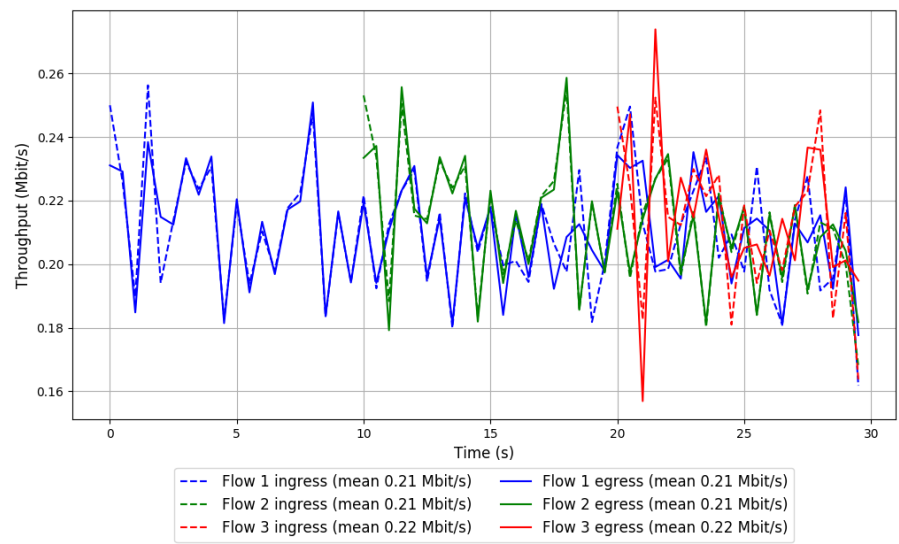


```
Run 2: Statistics of SReAM

Start at: 2018-01-26 18:55:08
End at: 2018-01-26 18:55:38

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 54.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.119 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.688 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.673 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-01-26 19:09:45

End at: 2018-01-26 19:10:15

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.062 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.665 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.108 ms

Loss rate: 0.00%

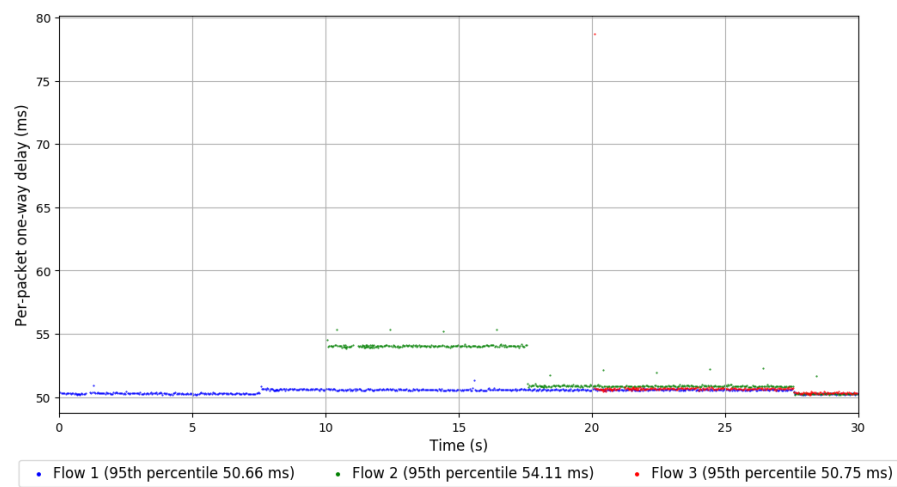
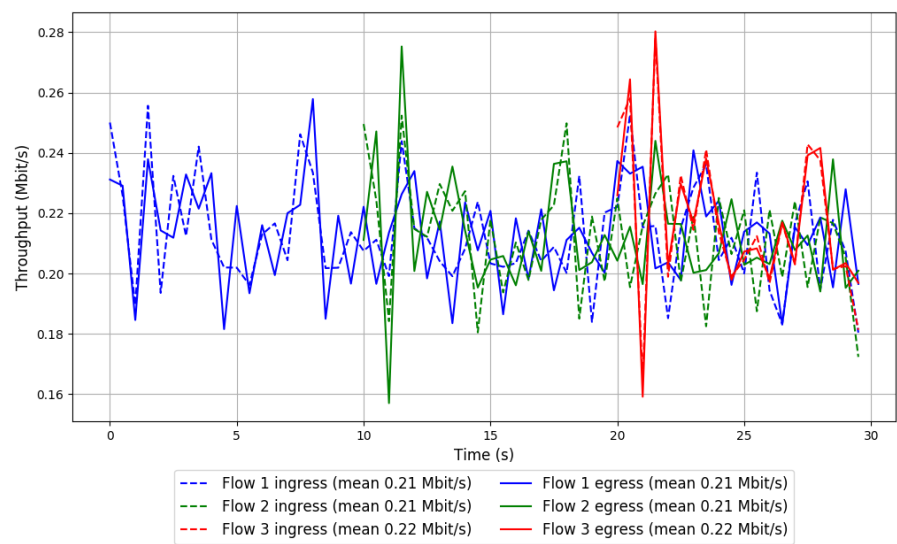
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.753 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

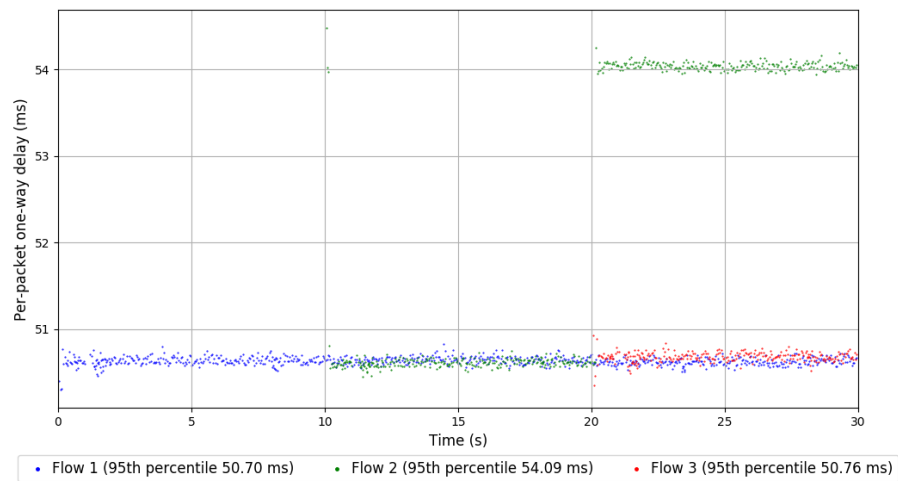
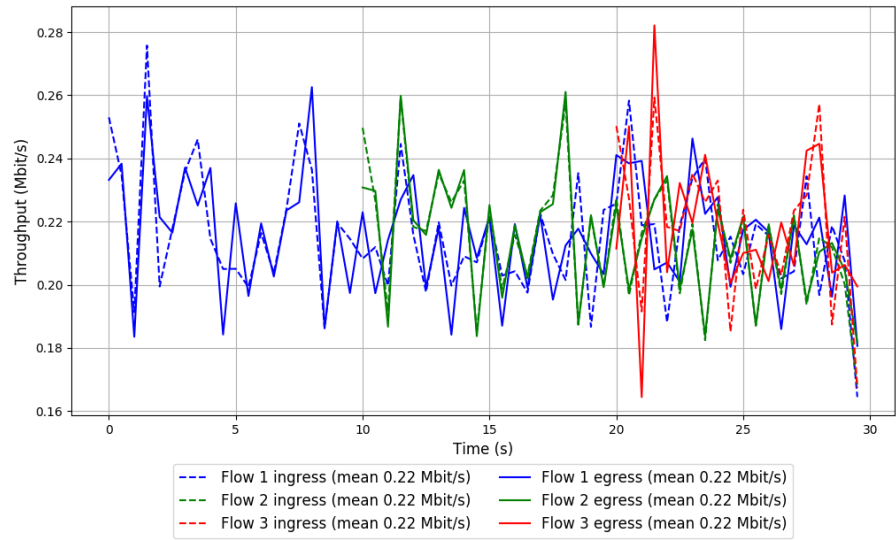


```
Run 4: Statistics of SCReAM

Start at: 2018-01-26 19:23:32
End at: 2018-01-26 19:24:02

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.760 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-01-26 19:37:58

End at: 2018-01-26 19:38:28

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.114 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.115 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.131 ms

Loss rate: 0.00%

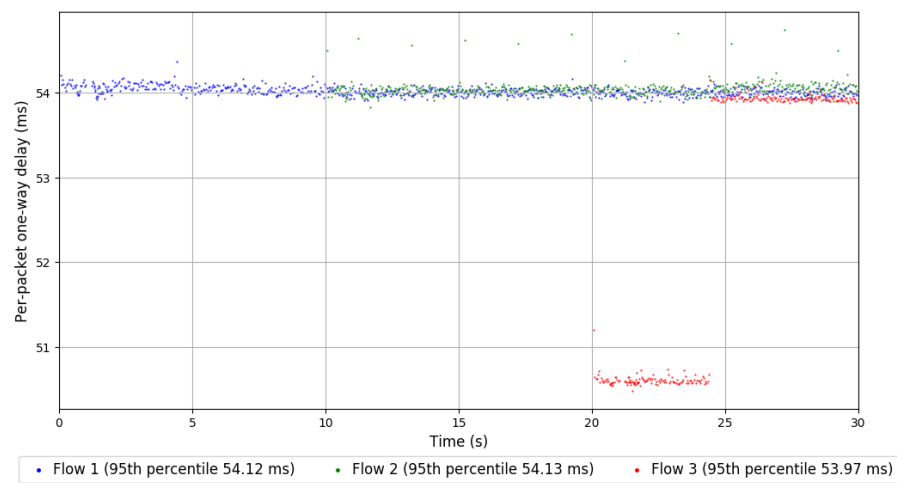
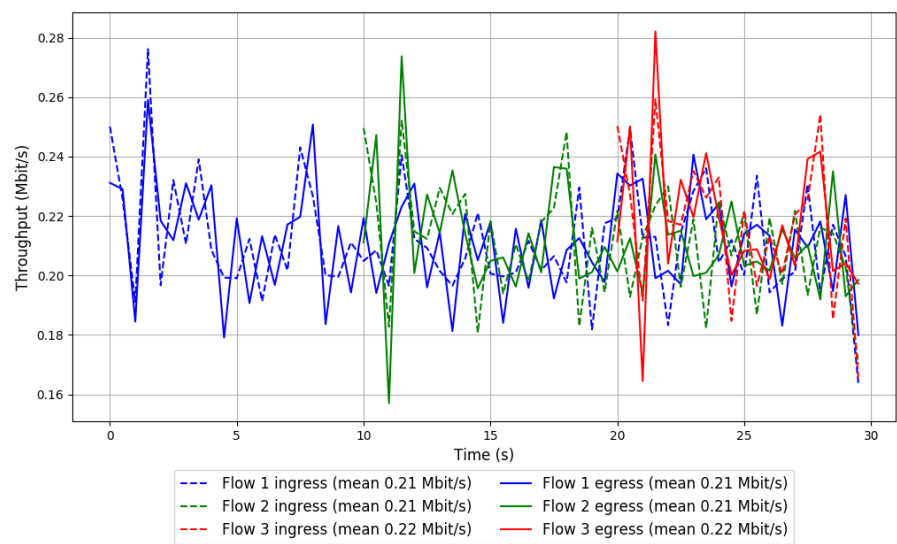
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.972 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

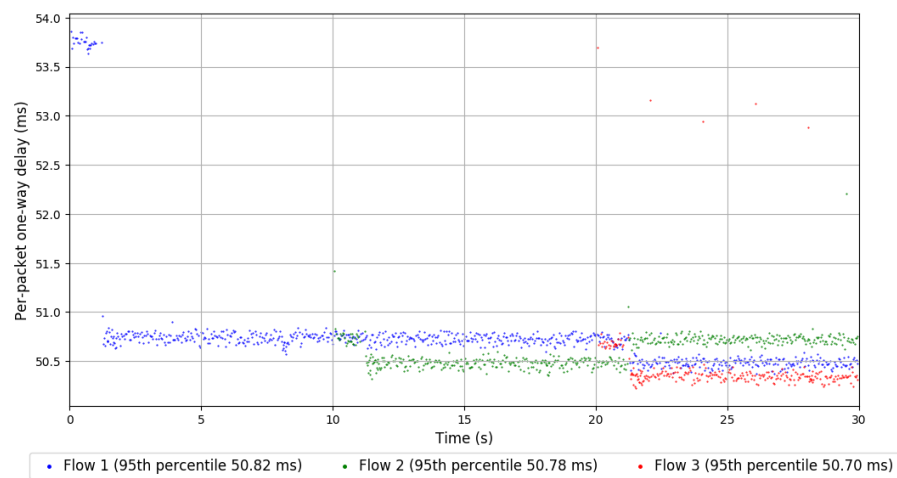
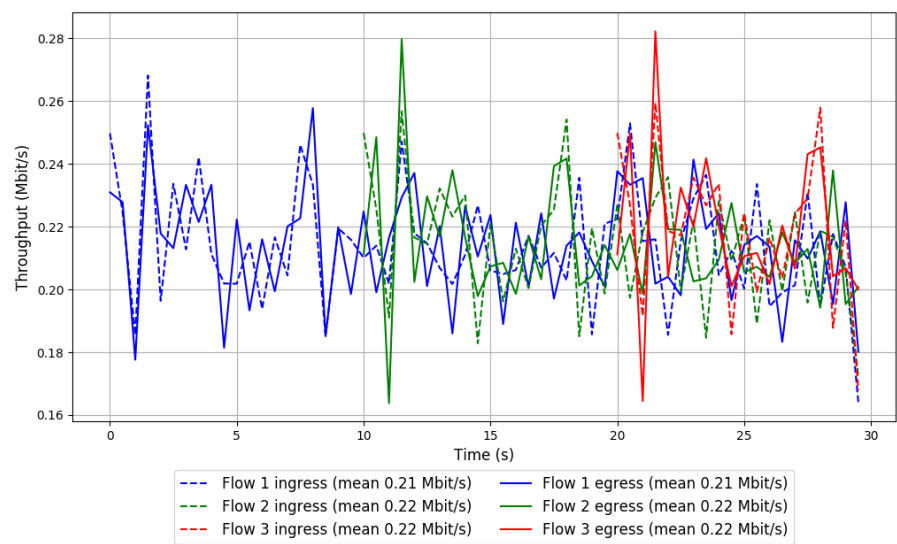


```
Run 6: Statistics of SReAM

Start at: 2018-01-26 19:51:51
End at: 2018-01-26 19:52:21

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.822 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.776 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.696 ms
Loss rate: 0.00%
```

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-01-26 20:06:19

End at: 2018-01-26 20:06:49

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.111 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.564 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.145 ms

Loss rate: 0.00%

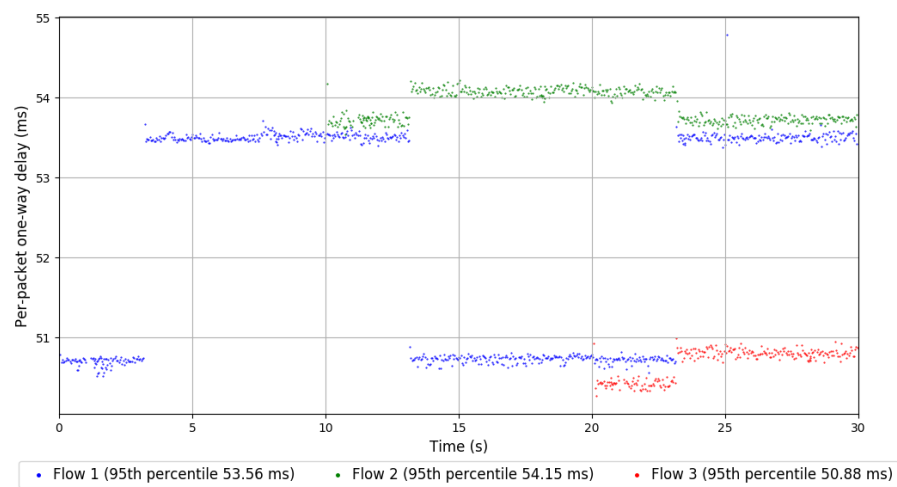
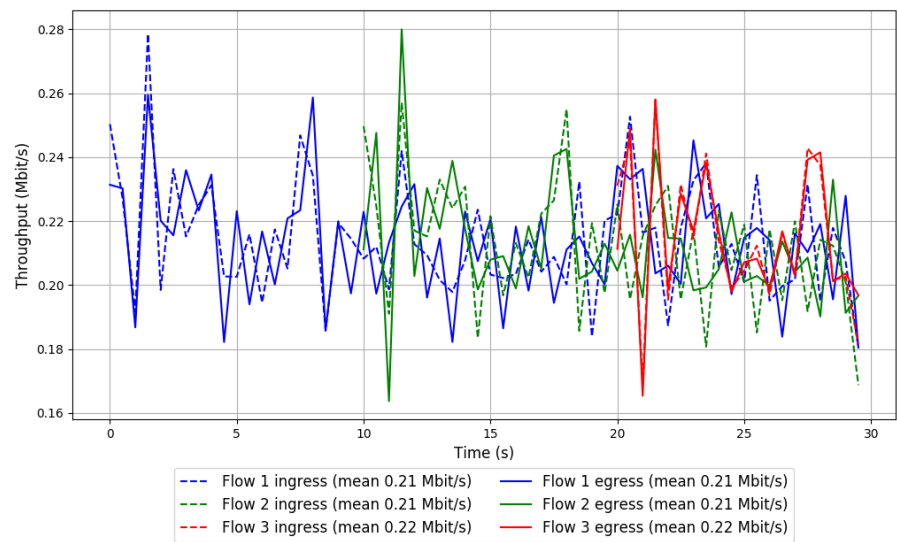
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.884 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-01-26 20:20:33

End at: 2018-01-26 20:21:03

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.064 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.576 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.090 ms

Loss rate: 0.00%

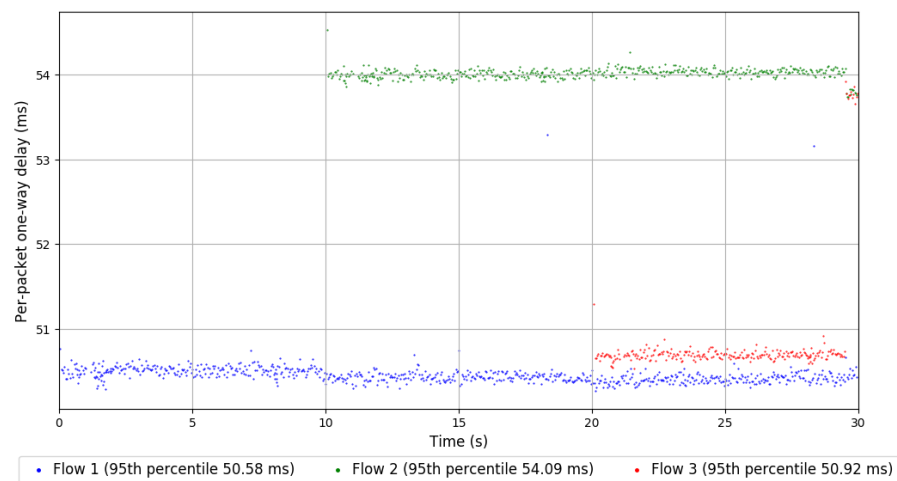
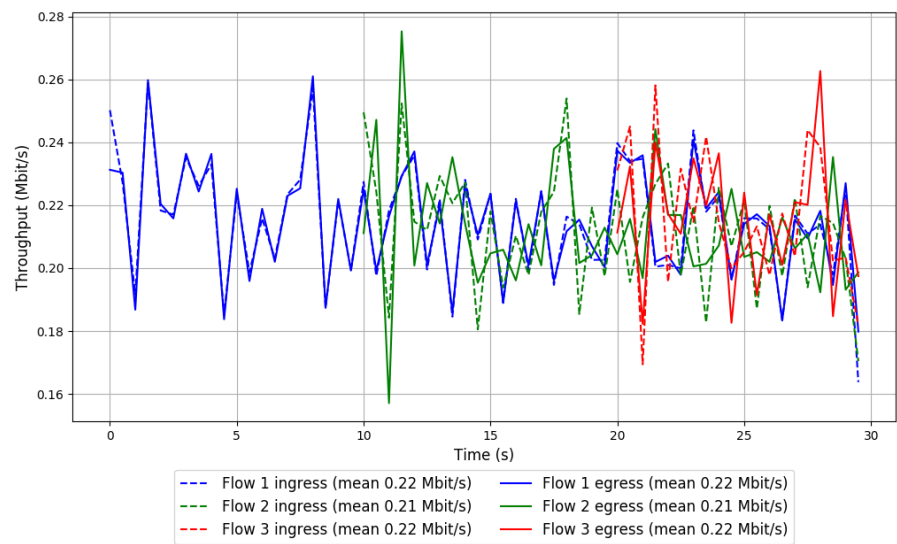
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.916 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

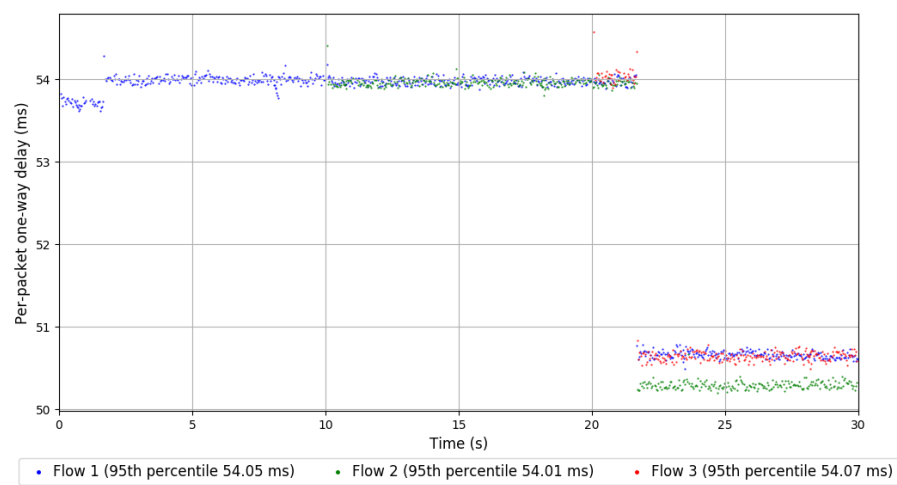
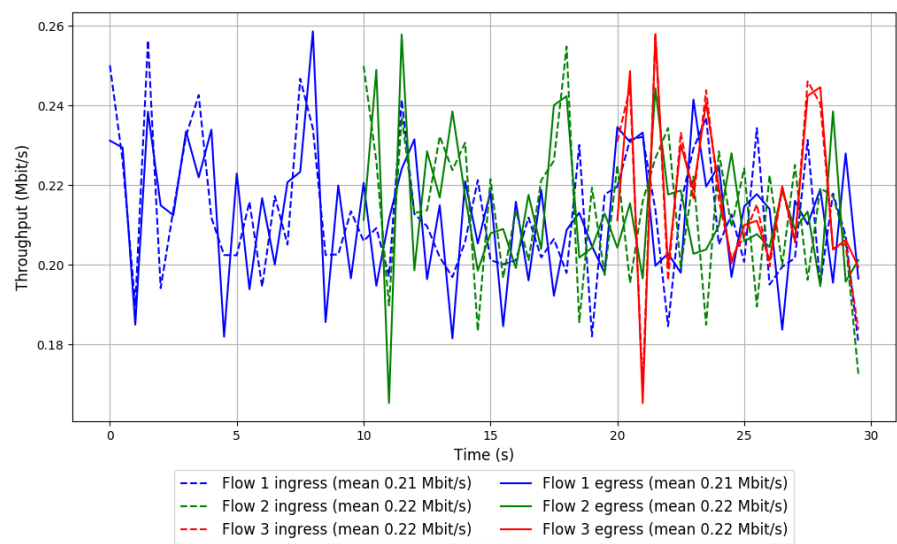


```
Run 9: Statistics of SCReAM

Start at: 2018-01-26 20:34:31
End at: 2018-01-26 20:35:01

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.048 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.067 ms
Loss rate: 0.00%
```

Run 9: Report of SReAM — Data Link

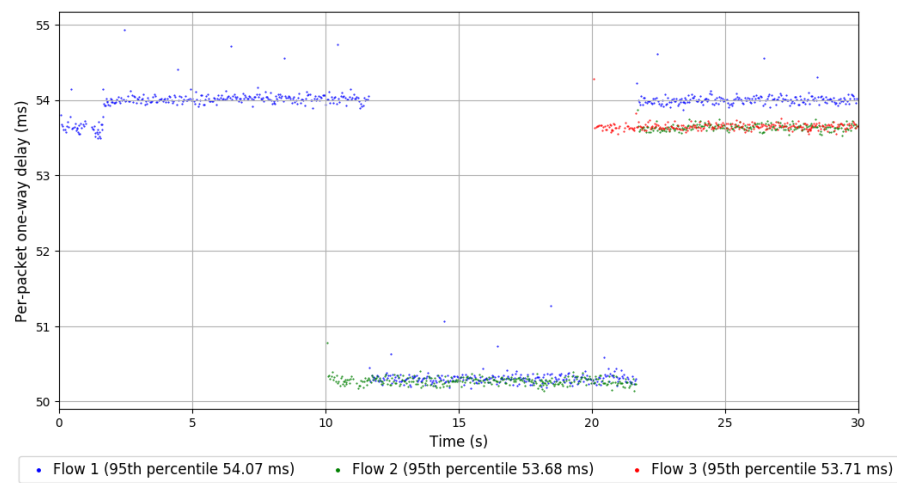
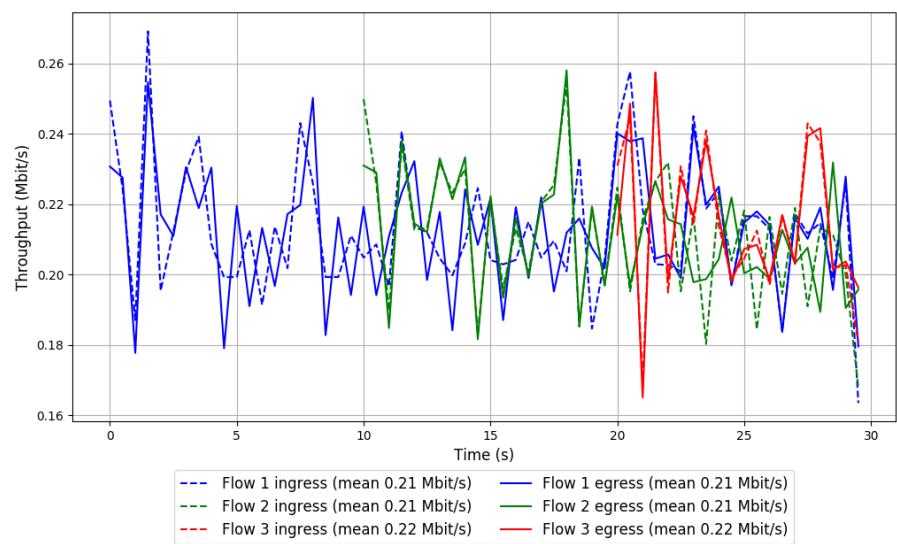


```
Run 10: Statistics of SReAM

Start at: 2018-01-26 20:48:51
End at: 2018-01-26 20:49:21

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.074 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.708 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link

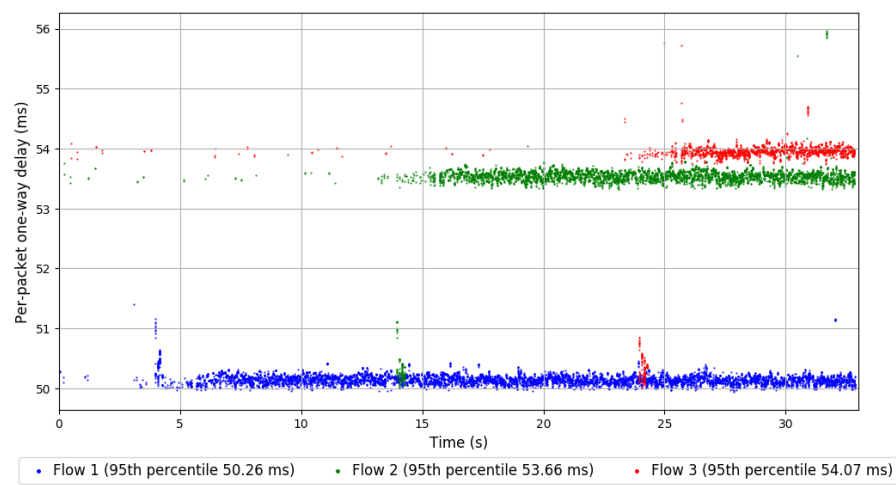
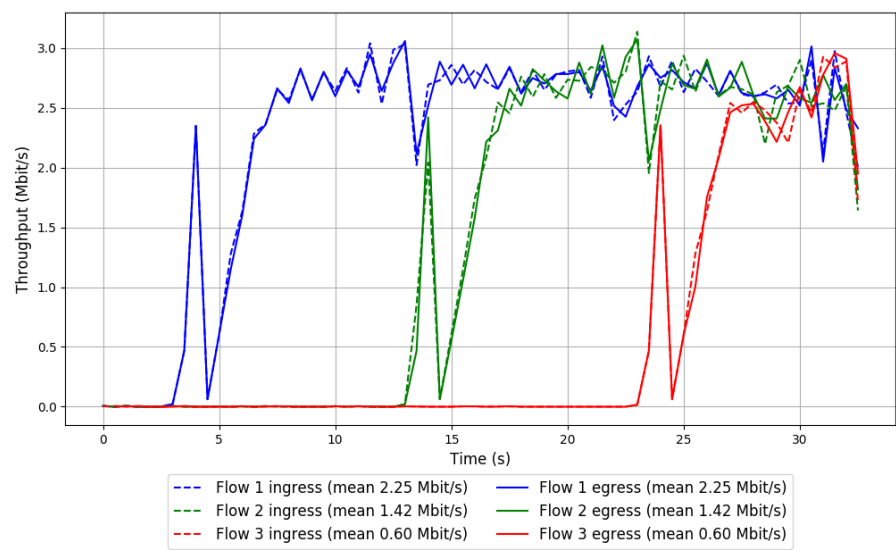


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-26 18:44:26
End at: 2018-01-26 18:44:56

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 53.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 50.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 53.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 54.069 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-01-26 18:58:22

End at: 2018-01-26 18:58:52

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 54.019 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.27 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 0.00%

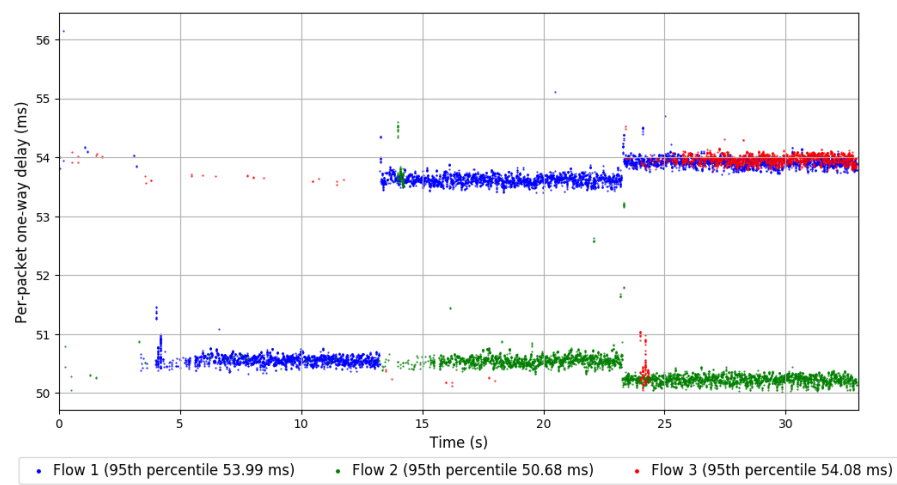
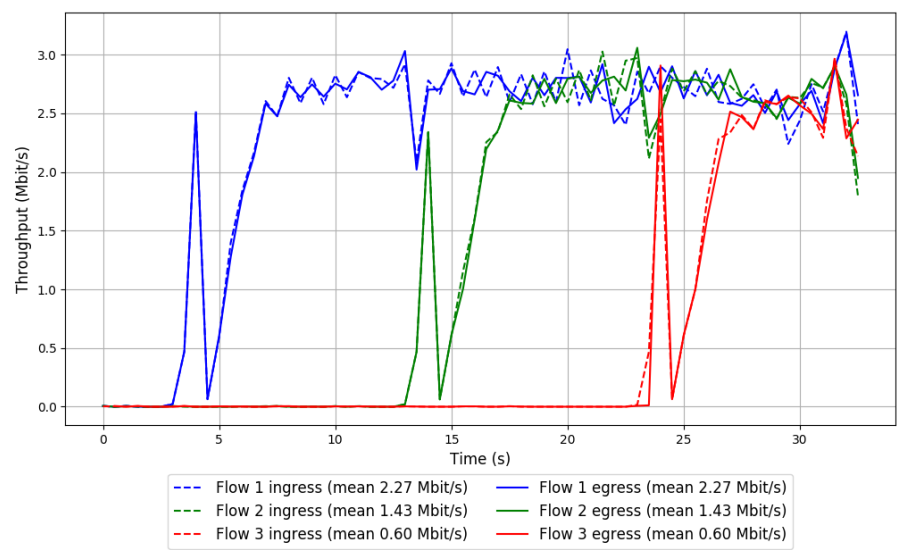
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 54.077 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-26 19:13:02

End at: 2018-01-26 19:13:32

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 50.377 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 50.703 ms

Loss rate: 0.00%

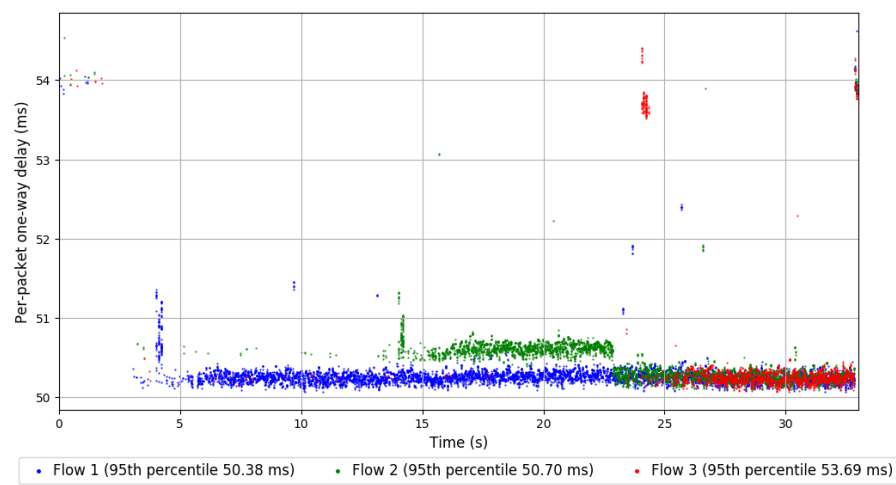
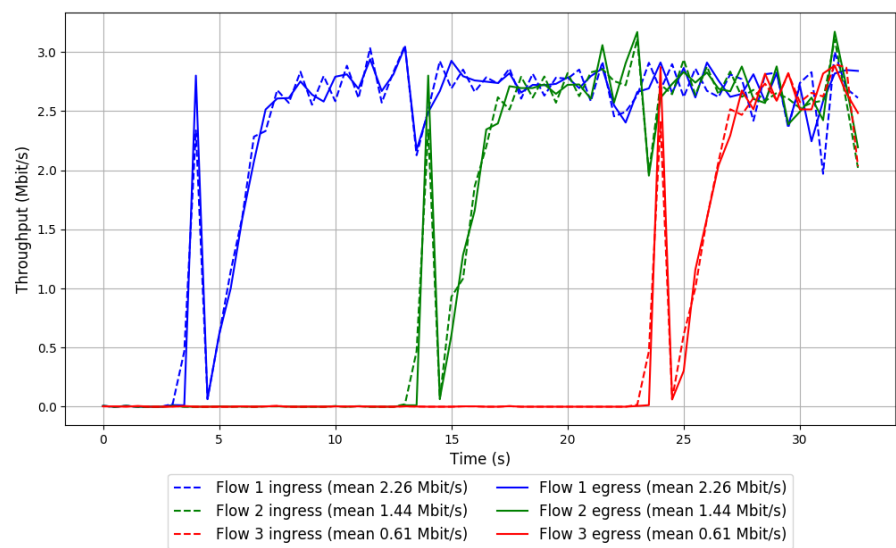
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 53.686 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-26 19:26:46

End at: 2018-01-26 19:27:16

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.51 Mbit/s

95th percentile per-packet one-way delay: 54.137 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 54.165 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 54.035 ms

Loss rate: 0.00%

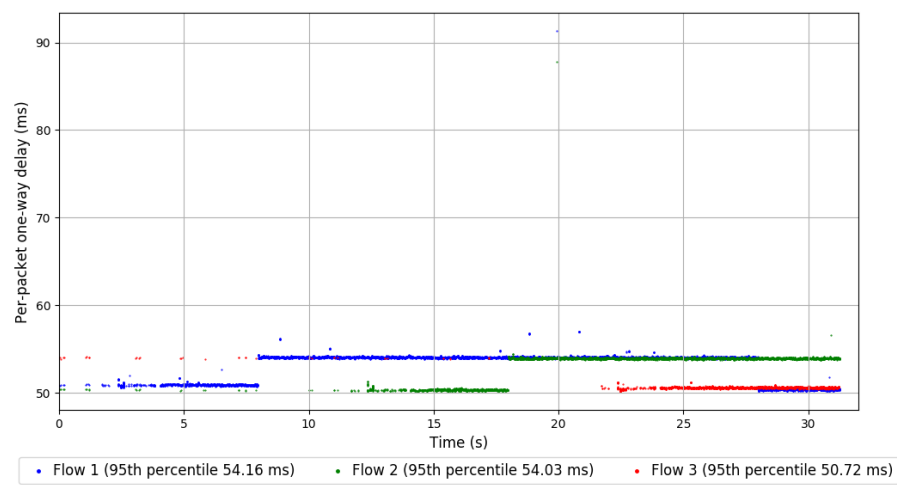
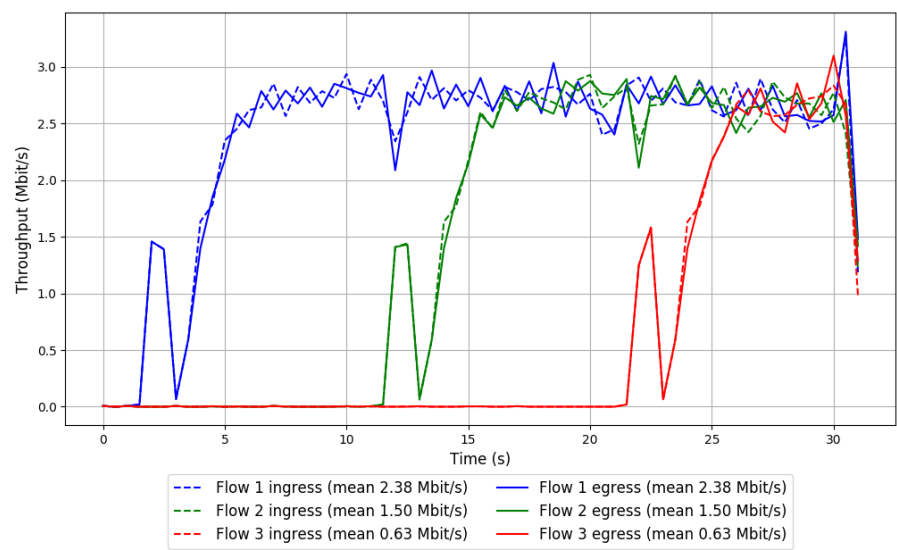
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 50.723 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-26 19:41:16

End at: 2018-01-26 19:41:46

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 50.717 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 50.484 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

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

Loss rate: 0.02%

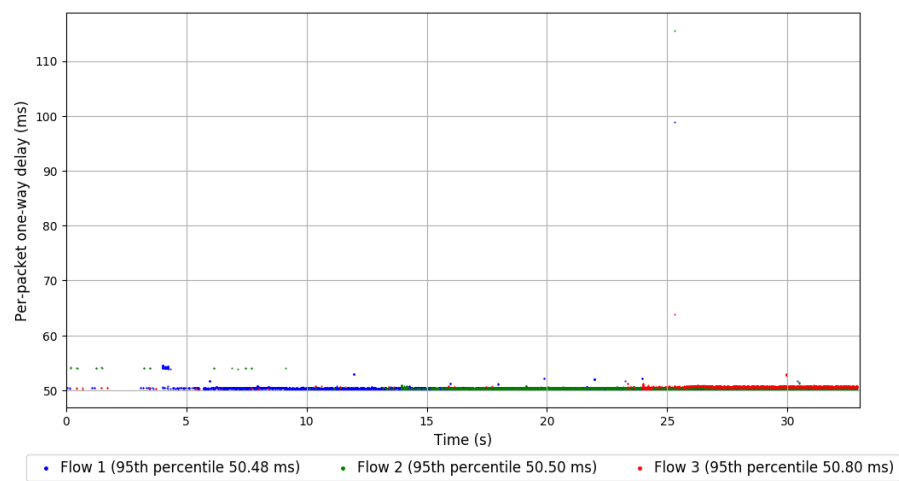
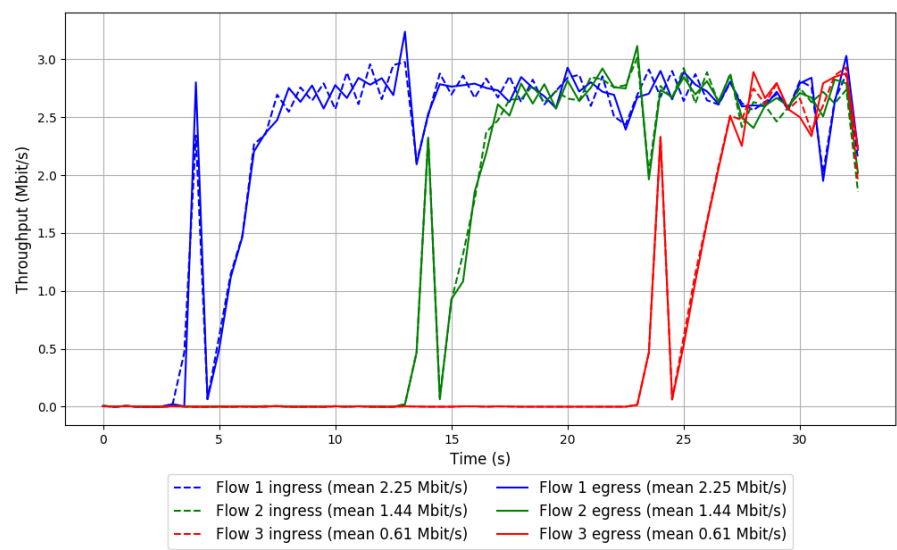
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 50.797 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-26 19:55:13

End at: 2018-01-26 19:55:43

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 53.796 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 53.822 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 50.887 ms

Loss rate: 0.00%

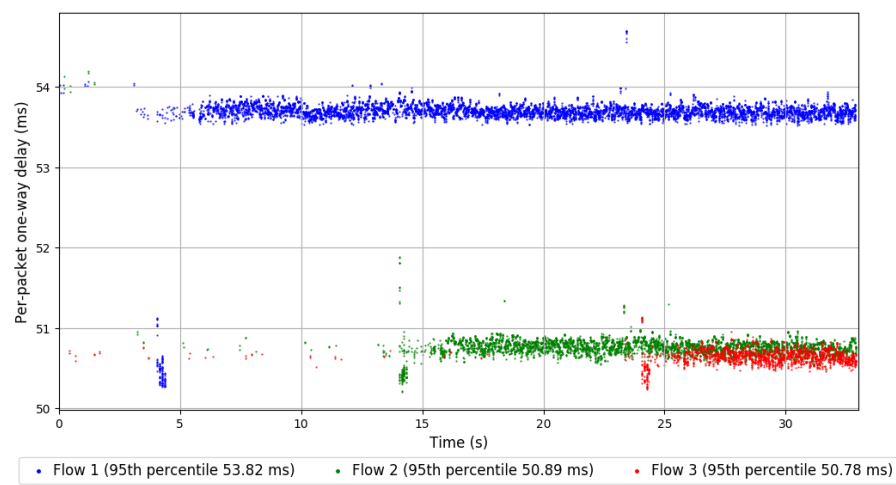
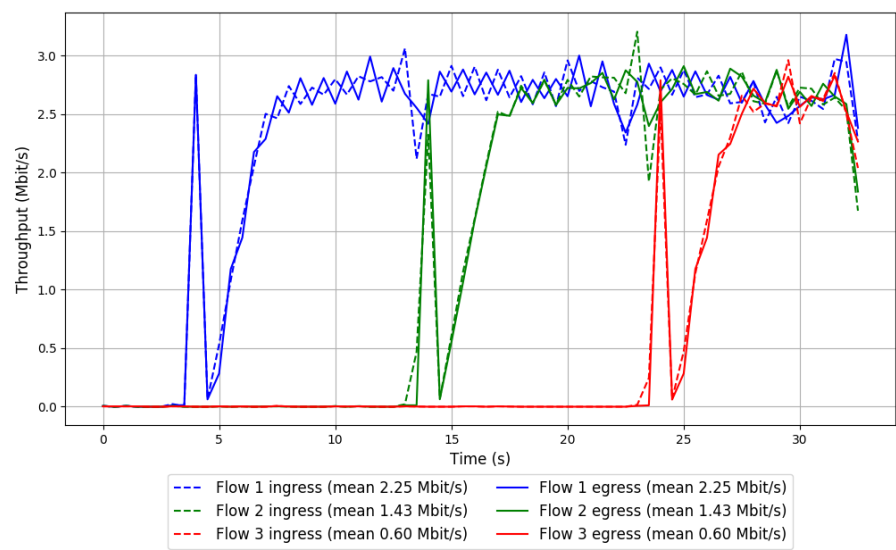
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 50.784 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-26 20:09:39

End at: 2018-01-26 20:10:09

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 50.780 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 50.487 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 50.835 ms

Loss rate: 0.00%

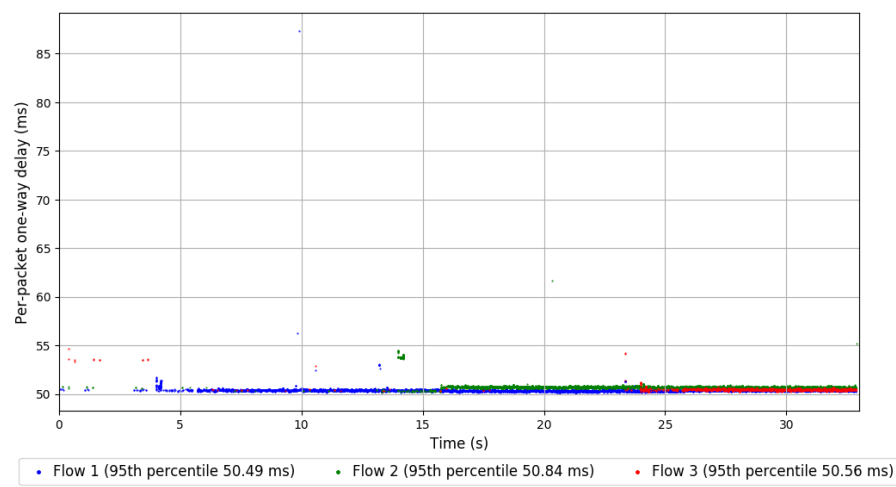
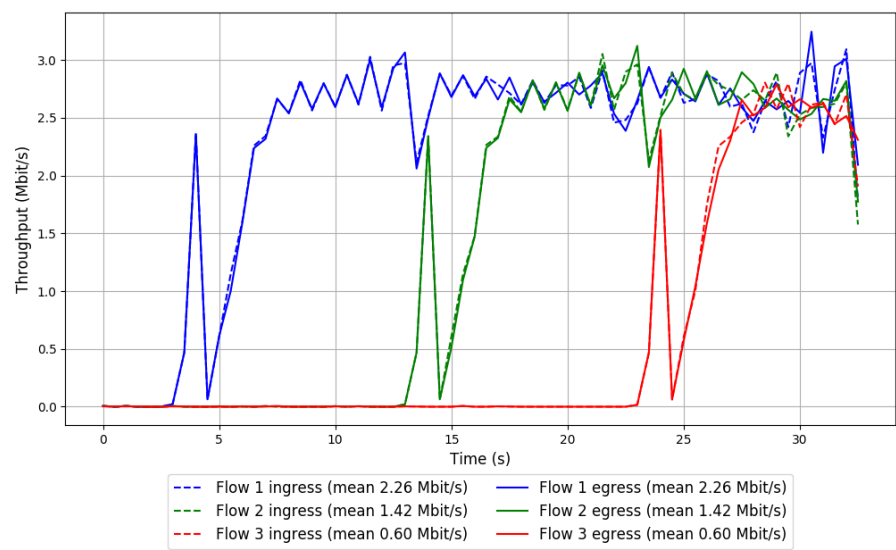
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 50.557 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-01-26 20:23:47

End at: 2018-01-26 20:24:17

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 53.788 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 53.708 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 53.747 ms

Loss rate: 0.00%

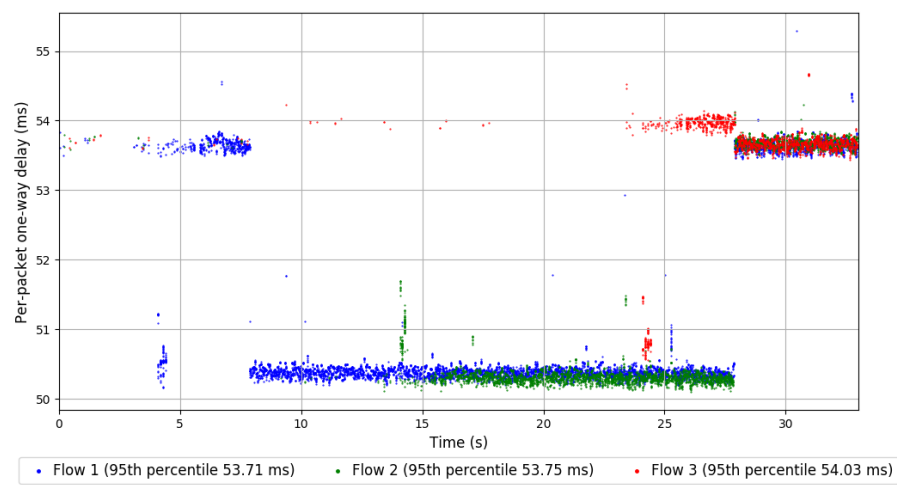
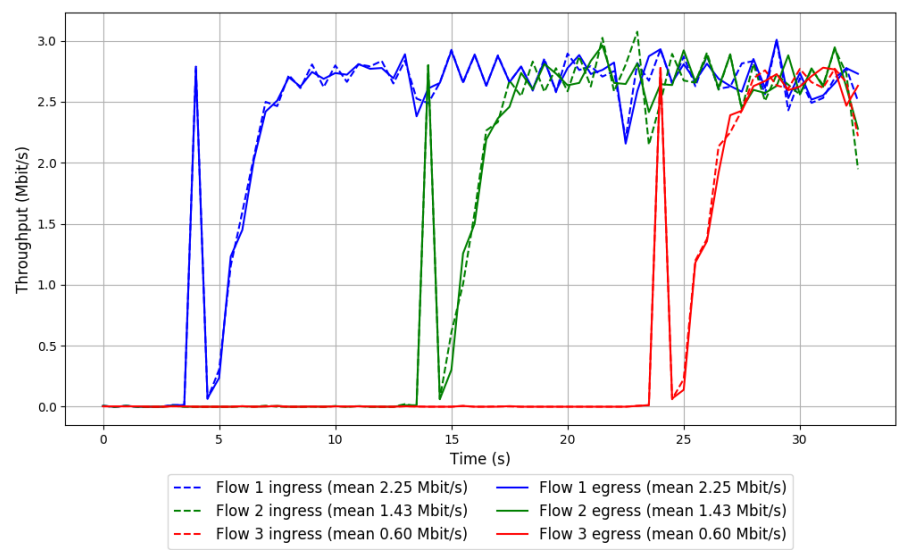
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 54.034 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-26 20:37:47

End at: 2018-01-26 20:38:17

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 53.668 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 50.713 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 50.434 ms

Loss rate: 0.00%

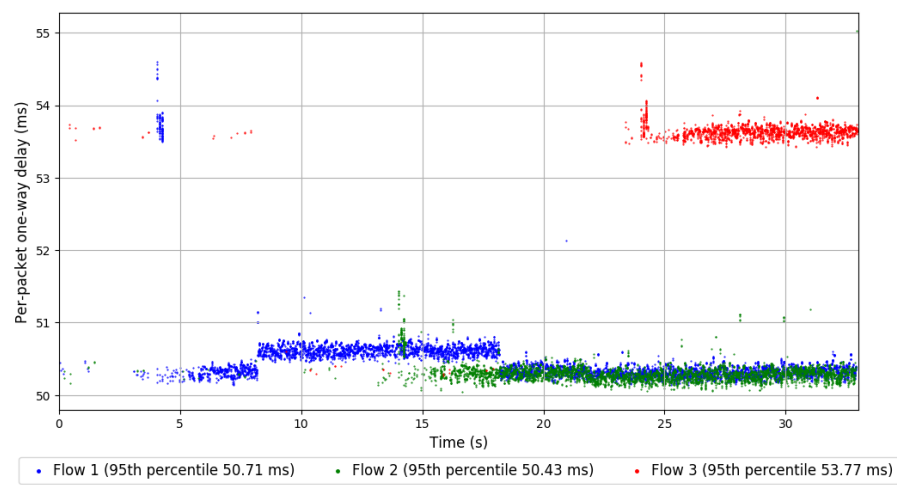
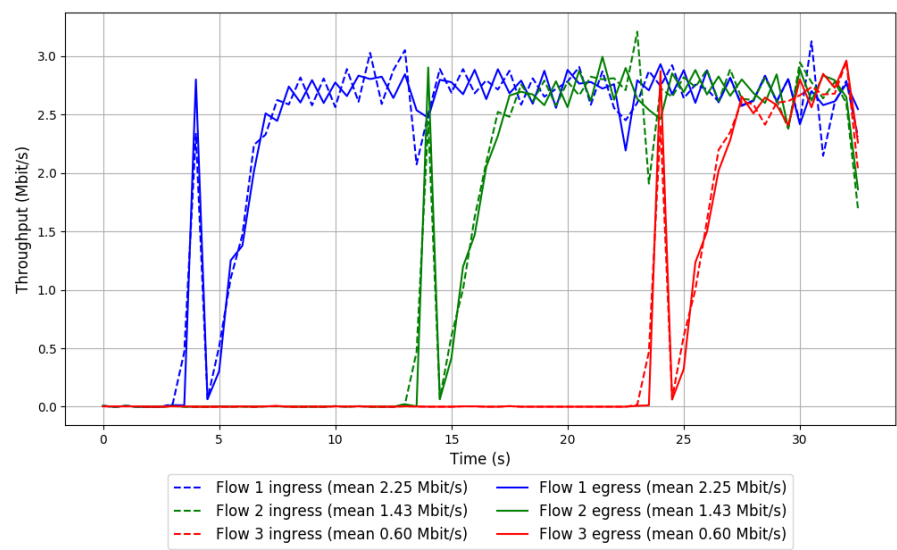
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 53.775 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-26 20:52:07

End at: 2018-01-26 20:52:37

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 54.019 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 53.492 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 54.068 ms

Loss rate: 0.00%

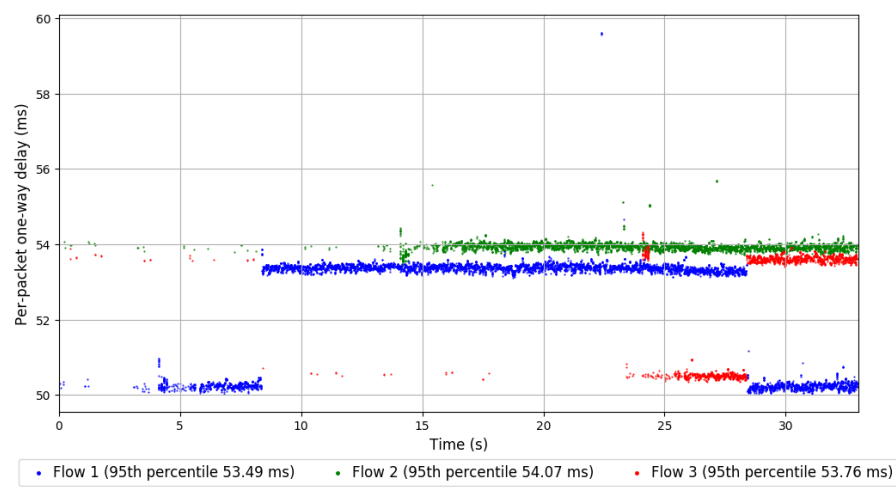
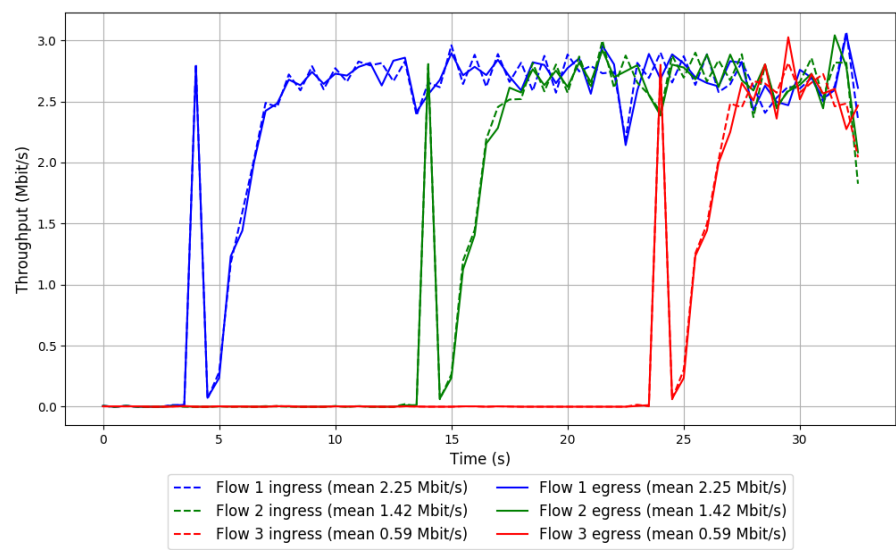
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 53.758 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

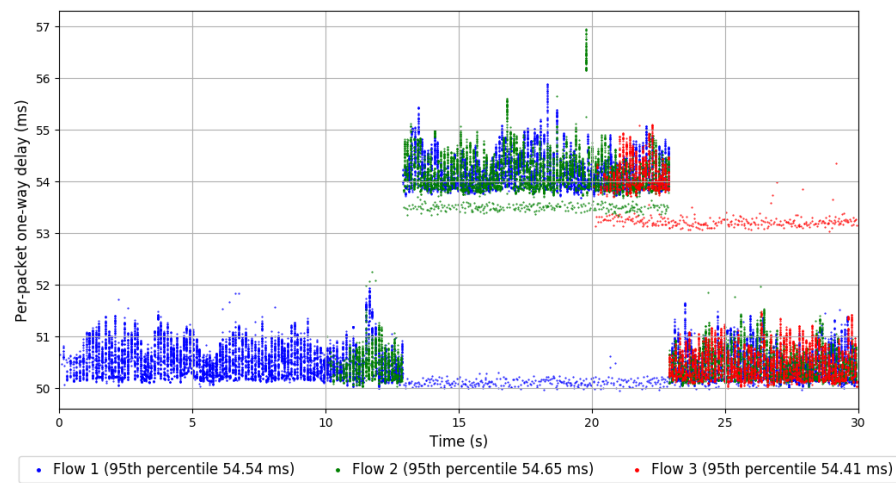
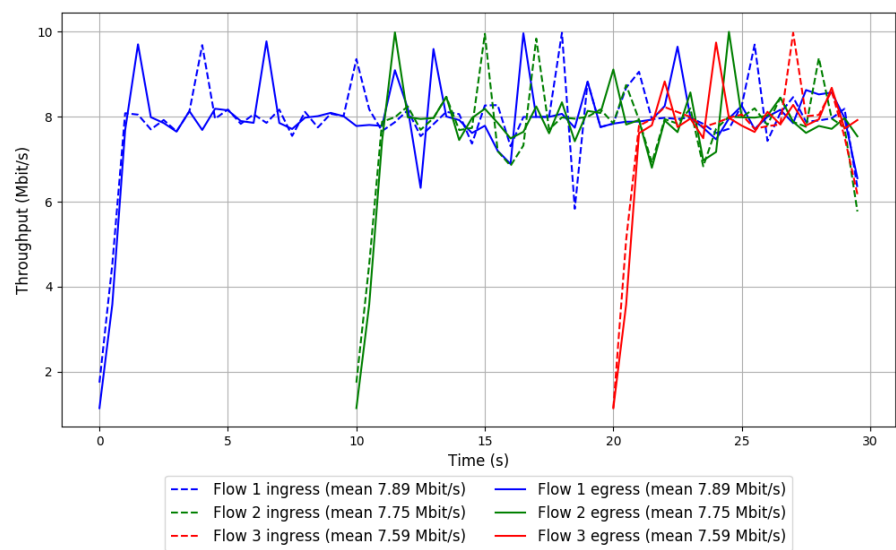


```
Run 1: Statistics of Sprout

Start at: 2018-01-26 18:37:49
End at: 2018-01-26 18:38:19

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: 54.569 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 54.542 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 54.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 54.415 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-26 18:51:41

End at: 2018-01-26 18:52:11

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.46 Mbit/s

95th percentile per-packet one-way delay: 51.486 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 51.456 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 51.500 ms

Loss rate: 0.00%

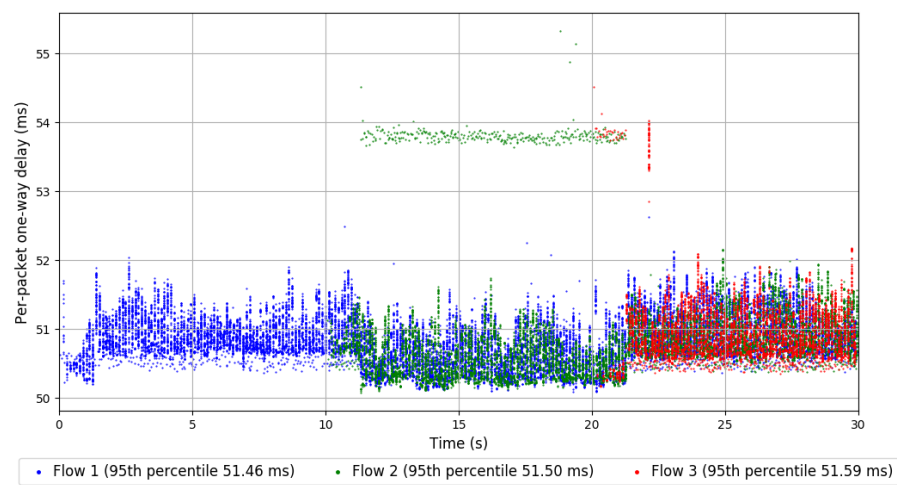
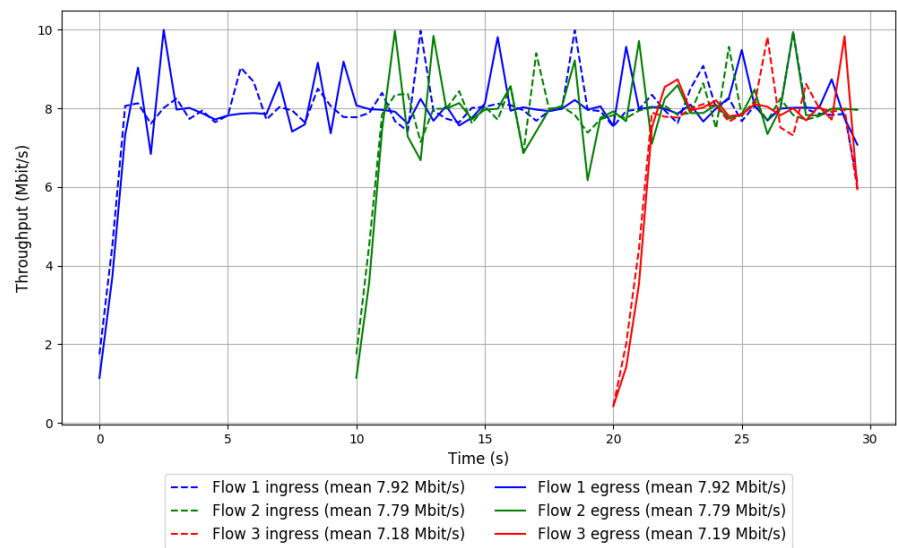
-- Flow 3:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 51.590 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-01-26 19:05:58

End at: 2018-01-26 19:06:28

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.39 Mbit/s

95th percentile per-packet one-way delay: 54.592 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 54.599 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.57 Mbit/s

95th percentile per-packet one-way delay: 54.447 ms

Loss rate: 0.00%

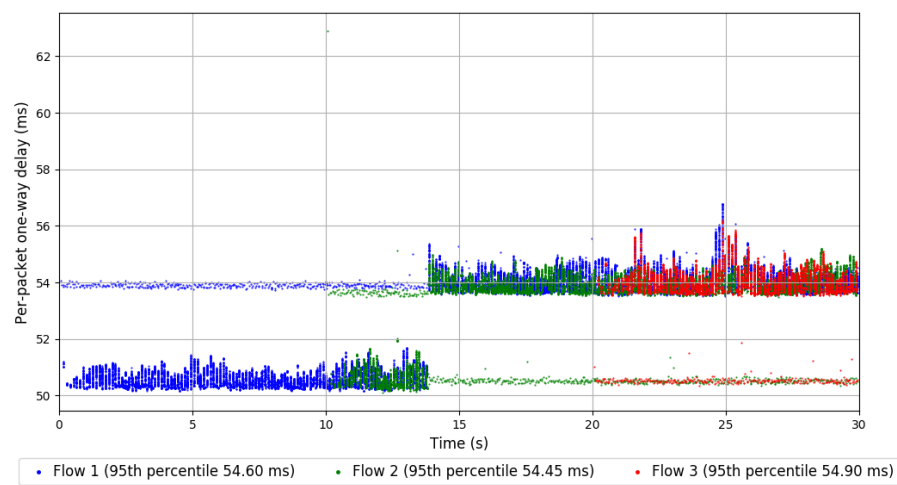
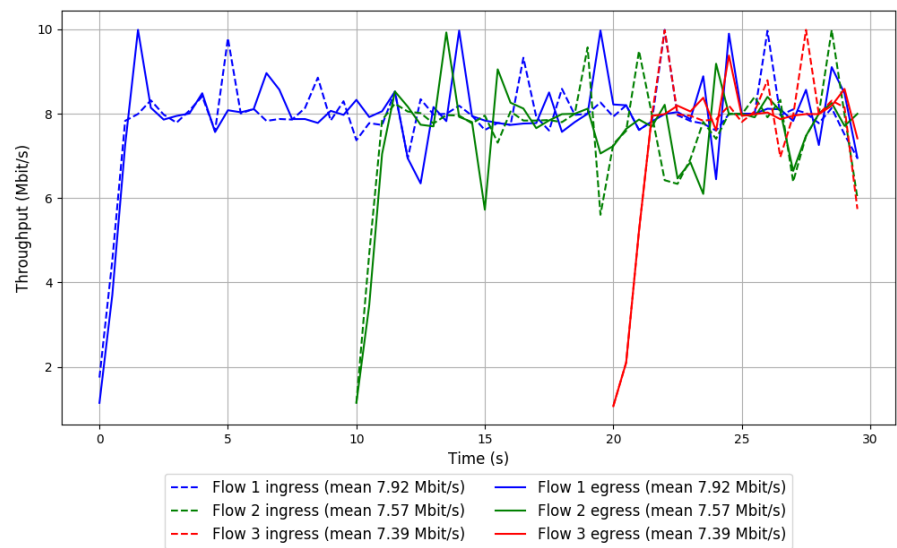
-- Flow 3:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 54.899 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-01-26 19:20:12

End at: 2018-01-26 19:20:42

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.36 Mbit/s

95th percentile per-packet one-way delay: 54.855 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 54.889 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.68 Mbit/s

95th percentile per-packet one-way delay: 54.747 ms

Loss rate: 0.00%

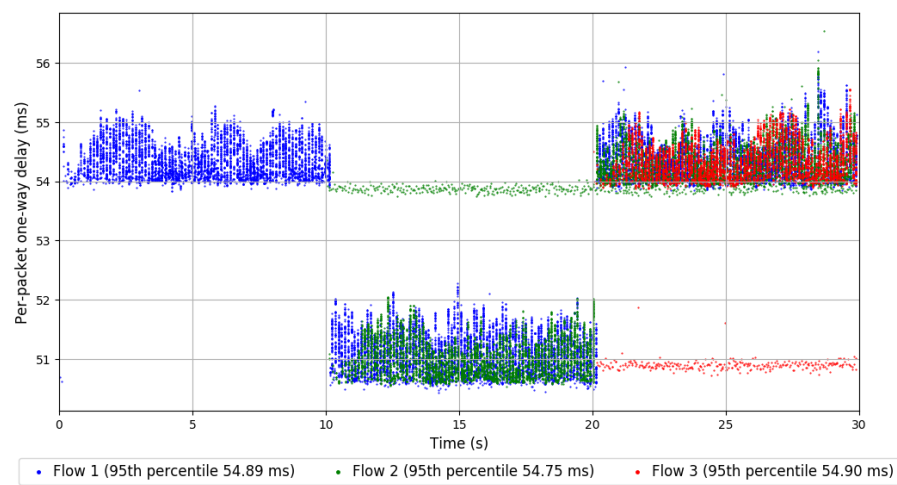
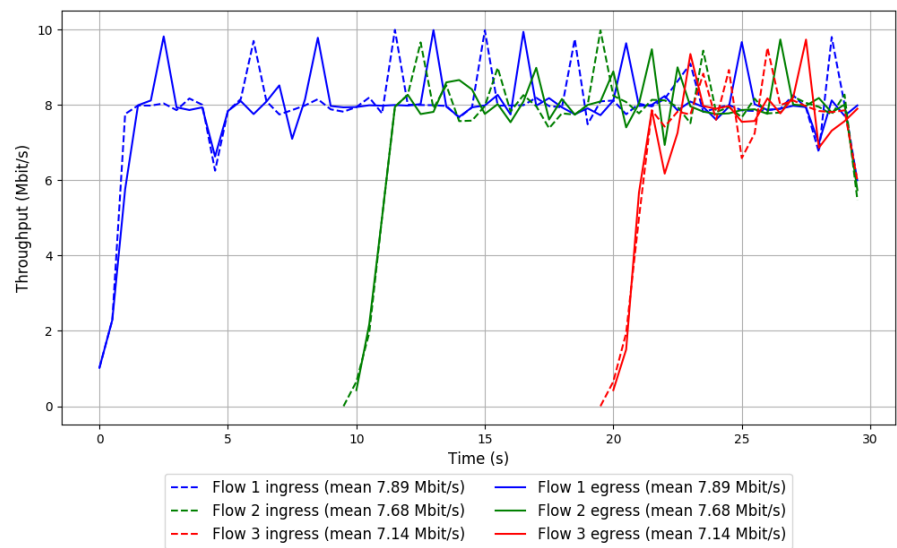
-- Flow 3:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 54.904 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-26 19:34:26

End at: 2018-01-26 19:34:56

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.66 Mbit/s

95th percentile per-packet one-way delay: 51.990 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.99 Mbit/s

95th percentile per-packet one-way delay: 51.972 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 52.079 ms

Loss rate: 0.01%

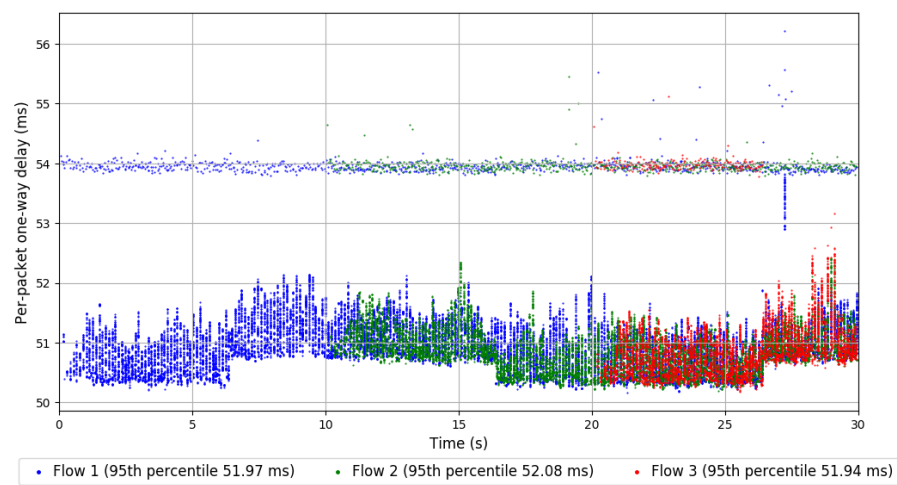
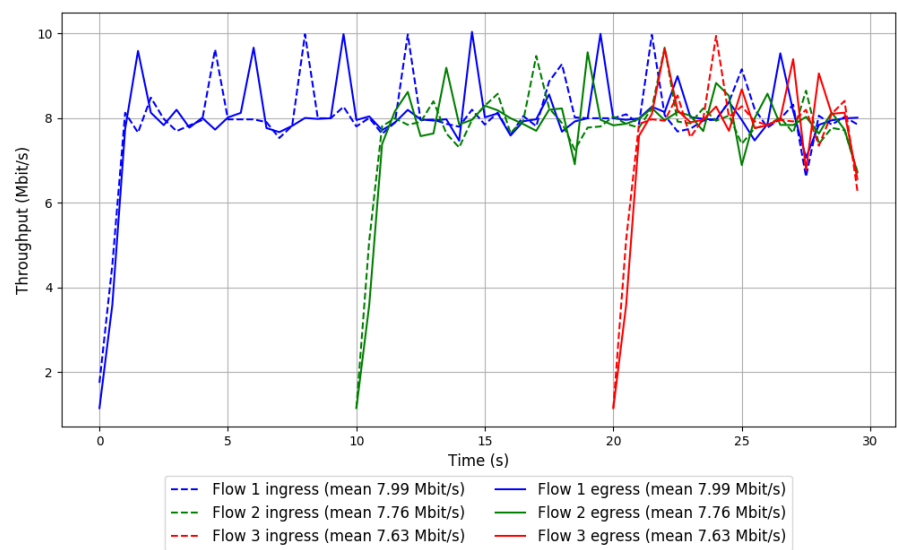
-- Flow 3:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 51.944 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-01-26 19:48:27

End at: 2018-01-26 19:48:57

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.62 Mbit/s

95th percentile per-packet one-way delay: 54.335 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 54.354 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 54.436 ms

Loss rate: 0.00%

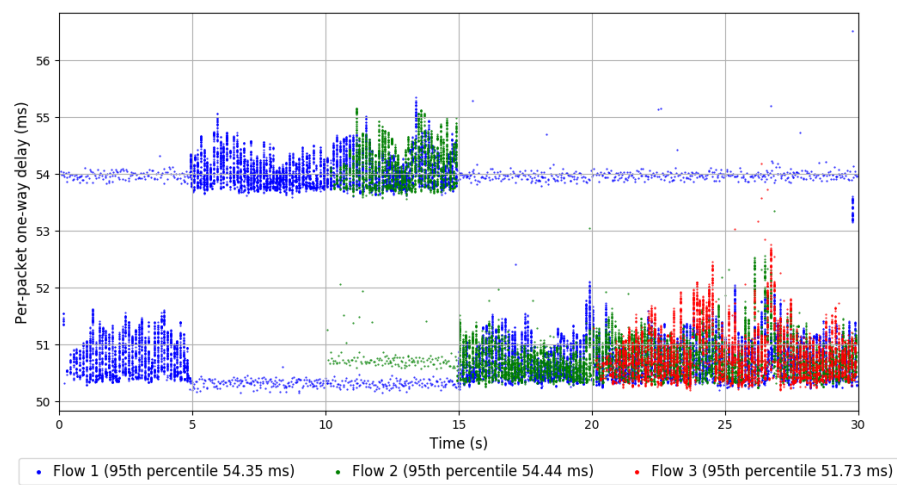
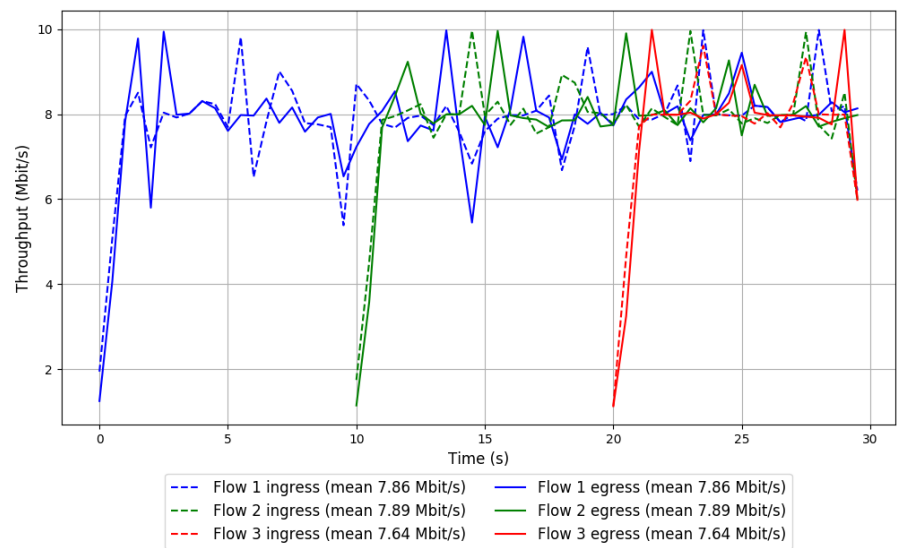
-- Flow 3:

Average throughput: 7.64 Mbit/s

95th percentile per-packet one-way delay: 51.731 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-01-26 20:02:40

End at: 2018-01-26 20:03:10

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.48 Mbit/s

95th percentile per-packet one-way delay: 54.544 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 54.568 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 54.573 ms

Loss rate: 0.00%

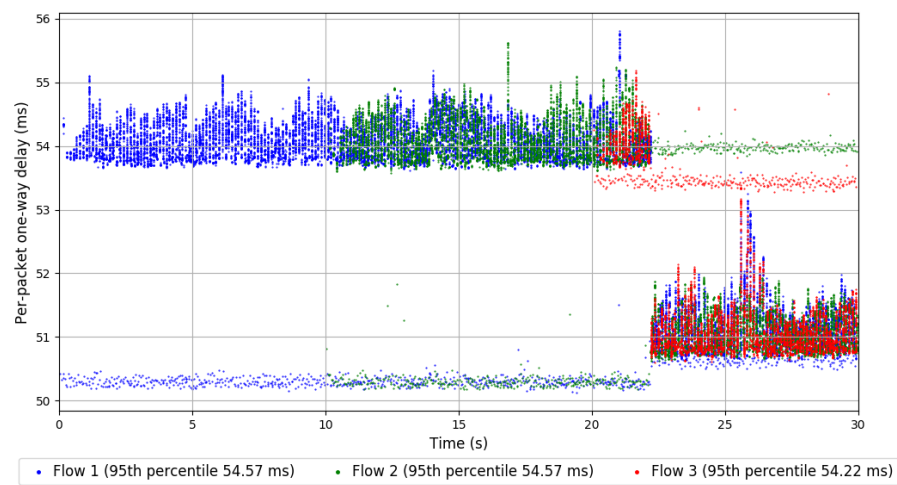
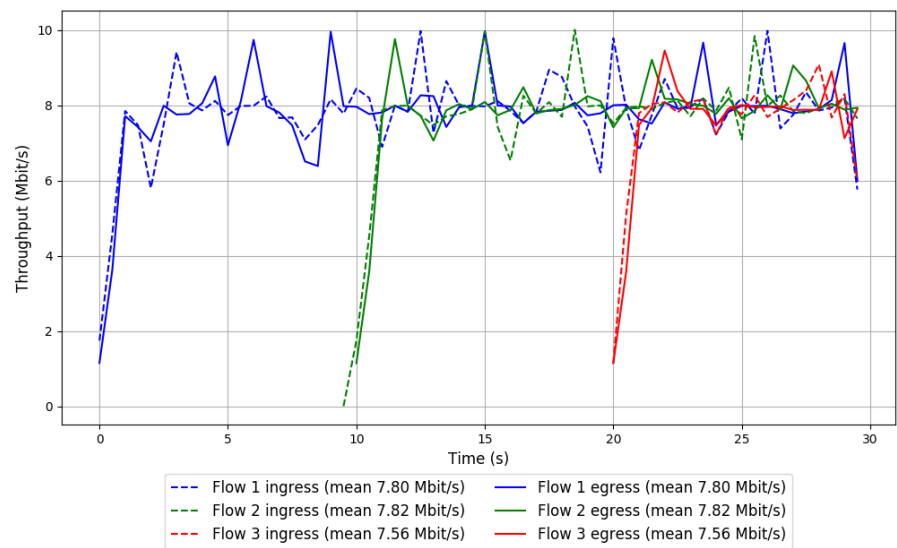
-- Flow 3:

Average throughput: 7.56 Mbit/s

95th percentile per-packet one-way delay: 54.221 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-01-26 20:17:14

End at: 2018-01-26 20:17:44

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.27 Mbit/s

95th percentile per-packet one-way delay: 54.595 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 7.73 Mbit/s

95th percentile per-packet one-way delay: 54.569 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 54.611 ms

Loss rate: 0.06%

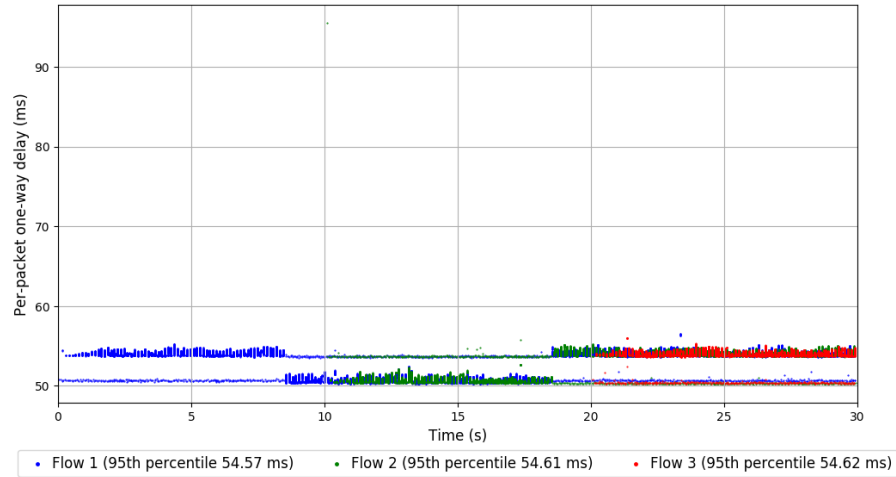
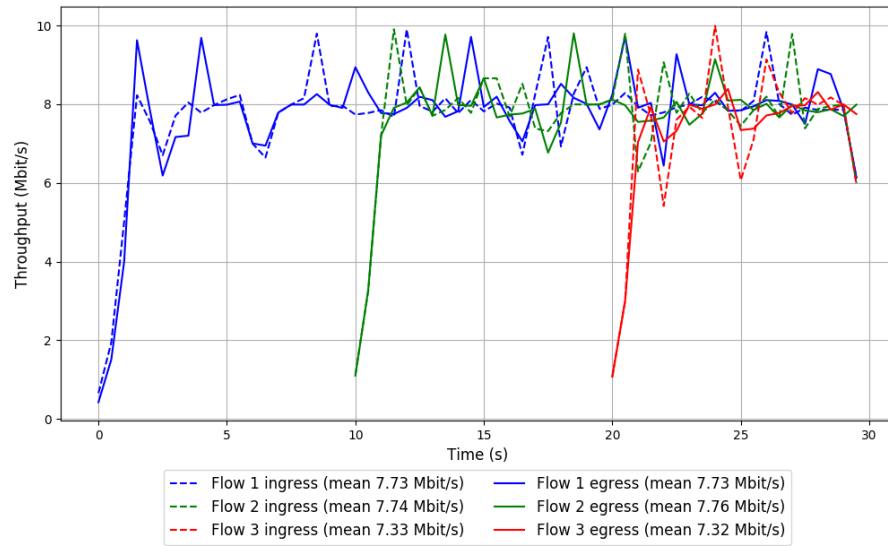
-- Flow 3:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 54.623 ms

Loss rate: 0.10%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-26 20:30:59

End at: 2018-01-26 20:31:29

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.55 Mbit/s

95th percentile per-packet one-way delay: 54.328 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 54.455 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 54.104 ms

Loss rate: 0.00%

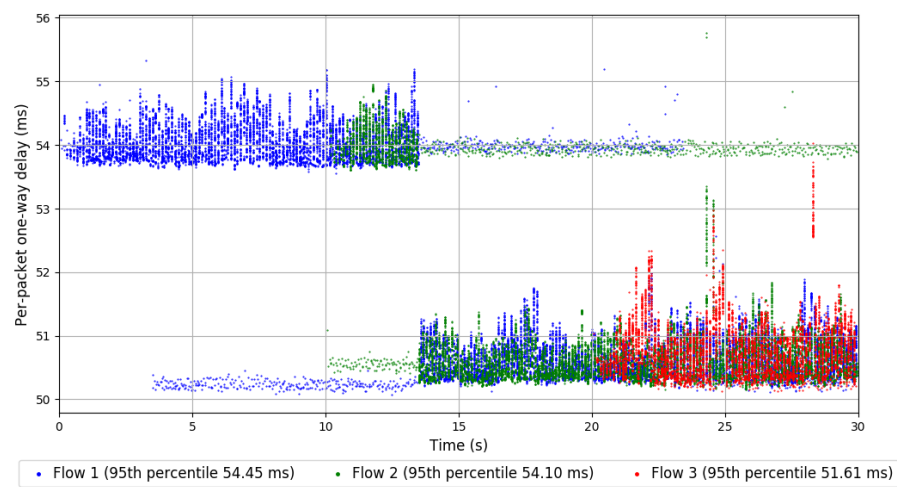
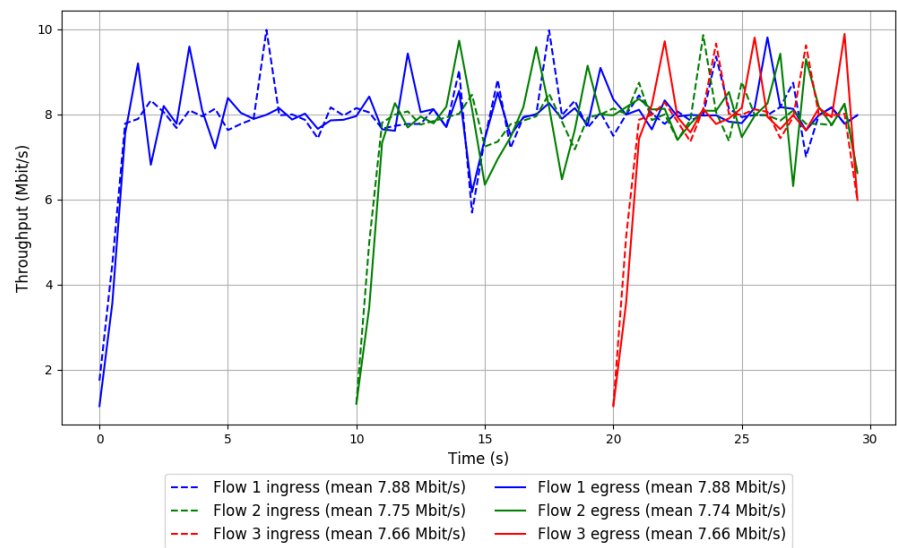
-- Flow 3:

Average throughput: 7.66 Mbit/s

95th percentile per-packet one-way delay: 51.611 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-26 20:45:14

End at: 2018-01-26 20:45:44

Below is generated by plot.py at 2018-01-26 22:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.46 Mbit/s

95th percentile per-packet one-way delay: 54.418 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 54.522 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 54.422 ms

Loss rate: 0.00%

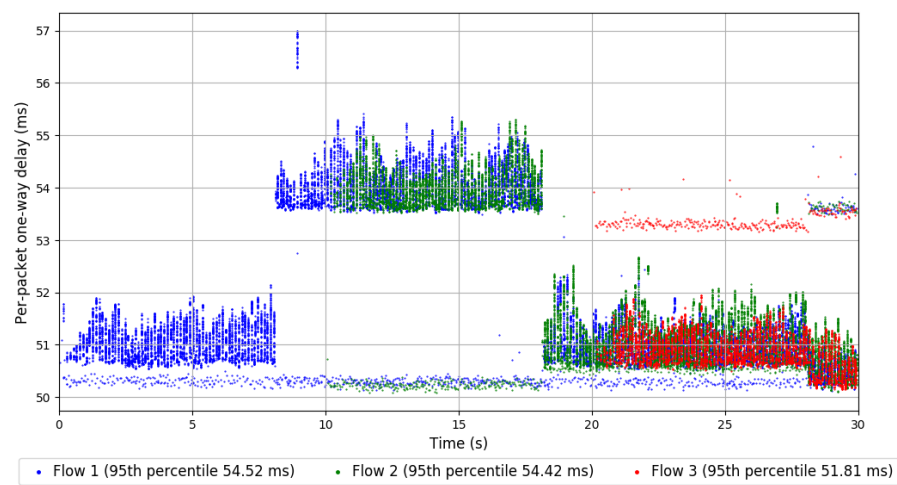
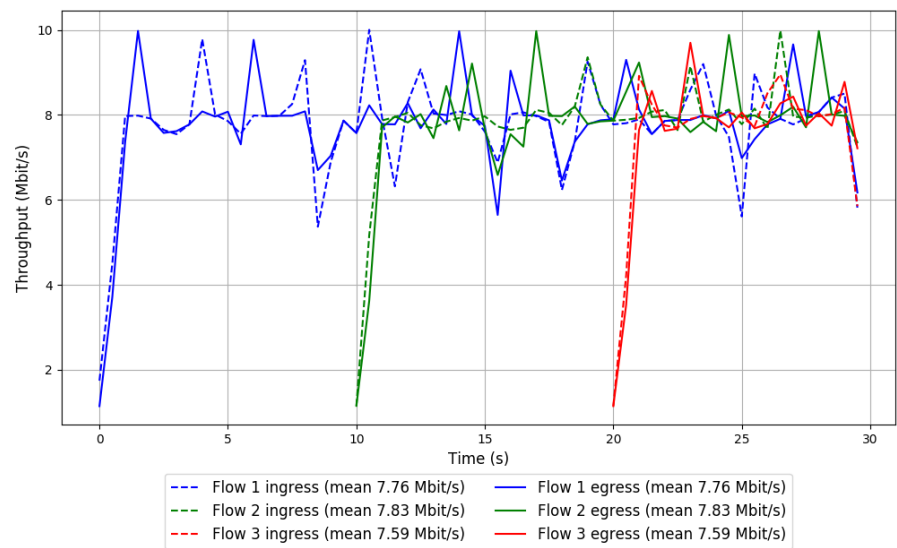
-- Flow 3:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 51.813 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

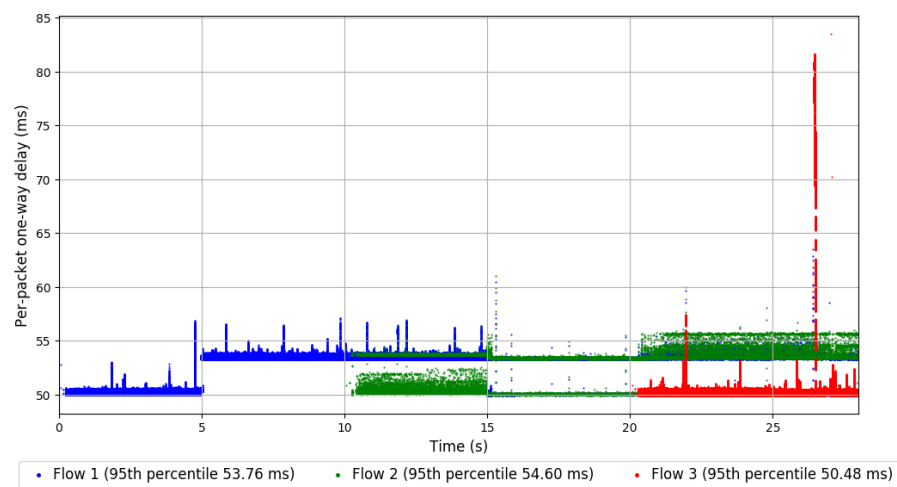
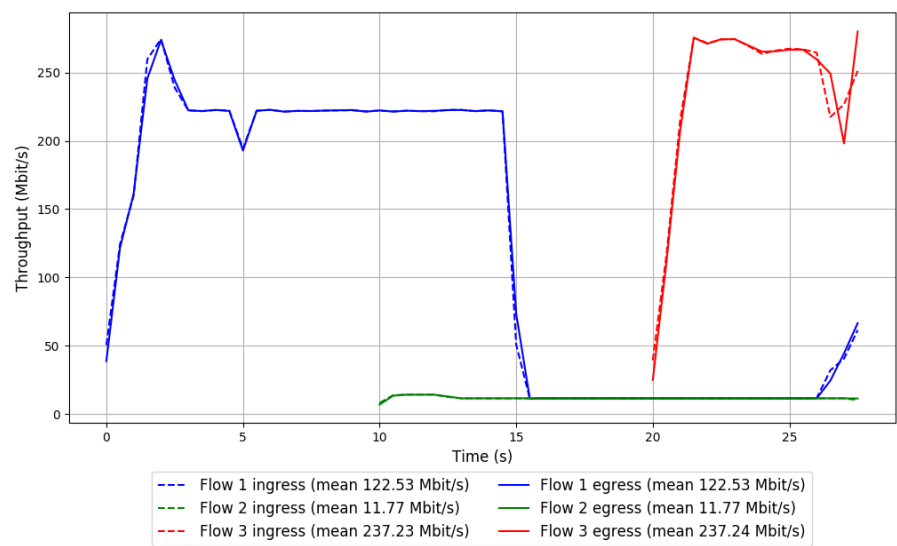


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-26 18:39:25
End at: 2018-01-26 18:39:55

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 197.35 Mbit/s
95th percentile per-packet one-way delay: 53.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.53 Mbit/s
95th percentile per-packet one-way delay: 53.762 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 54.600 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 237.24 Mbit/s
95th percentile per-packet one-way delay: 50.483 ms
Loss rate: 0.00%
```


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

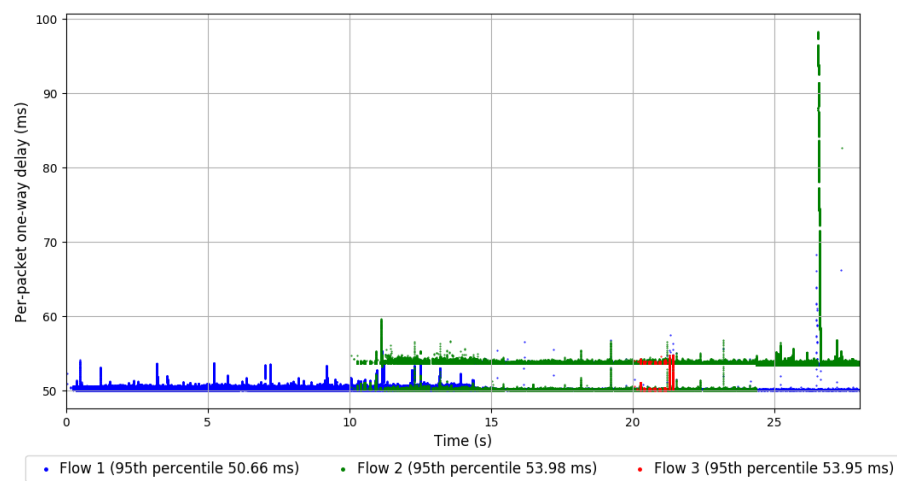
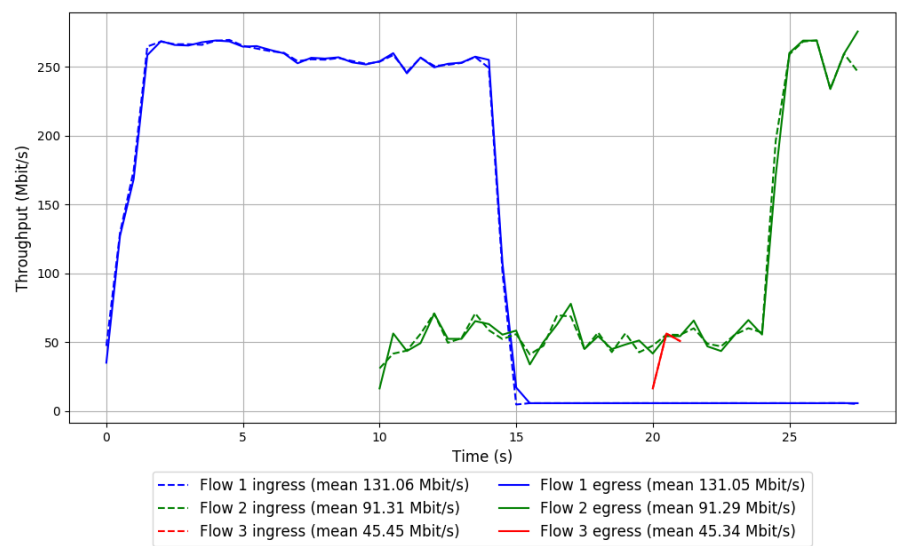


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-26 18:53:16
End at: 2018-01-26 18:53:46

# Below is generated by plot.py at 2018-01-26 22:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 191.86 Mbit/s
95th percentile per-packet one-way delay: 53.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.05 Mbit/s
95th percentile per-packet one-way delay: 50.659 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 53.978 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 53.955 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-01-26 19:07:33

End at: 2018-01-26 19:08:03

Below is generated by plot.py at 2018-01-26 22:46:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 422.16 Mbit/s

95th percentile per-packet one-way delay: 59.872 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 226.91 Mbit/s

95th percentile per-packet one-way delay: 61.284 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 209.83 Mbit/s

95th percentile per-packet one-way delay: 59.587 ms

Loss rate: 0.00%

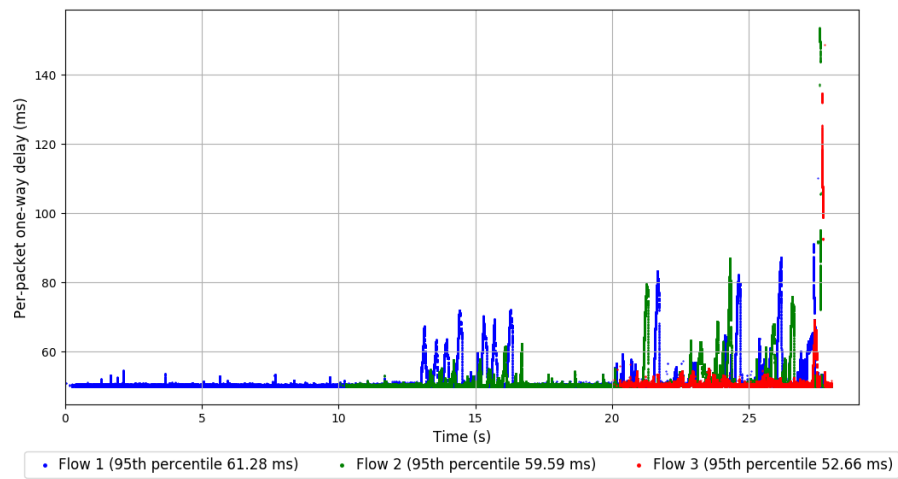
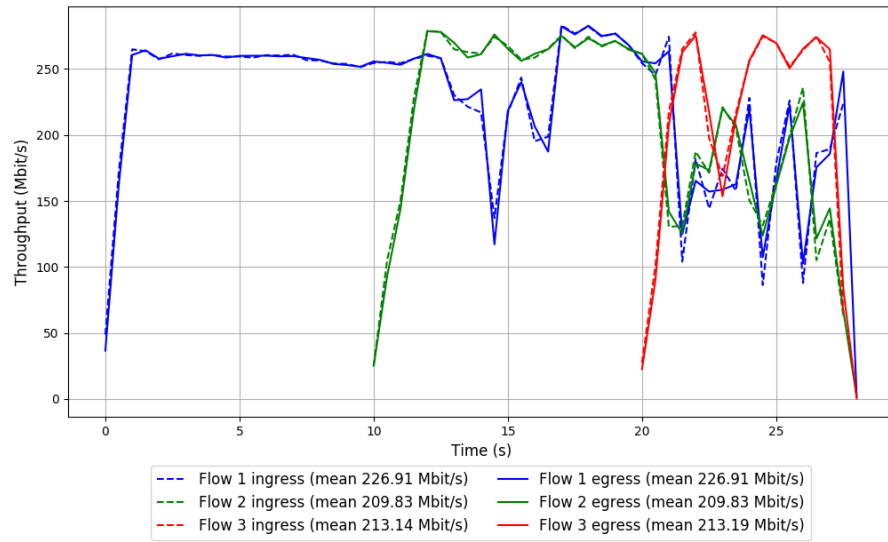
-- Flow 3:

Average throughput: 213.19 Mbit/s

95th percentile per-packet one-way delay: 52.655 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-26 19:21:47

End at: 2018-01-26 19:22:17

Below is generated by plot.py at 2018-01-26 22:46:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 150.97 Mbit/s

95th percentile per-packet one-way delay: 56.145 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 44.01 Mbit/s

95th percentile per-packet one-way delay: 53.895 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 88.03 Mbit/s

95th percentile per-packet one-way delay: 54.022 ms

Loss rate: 0.01%

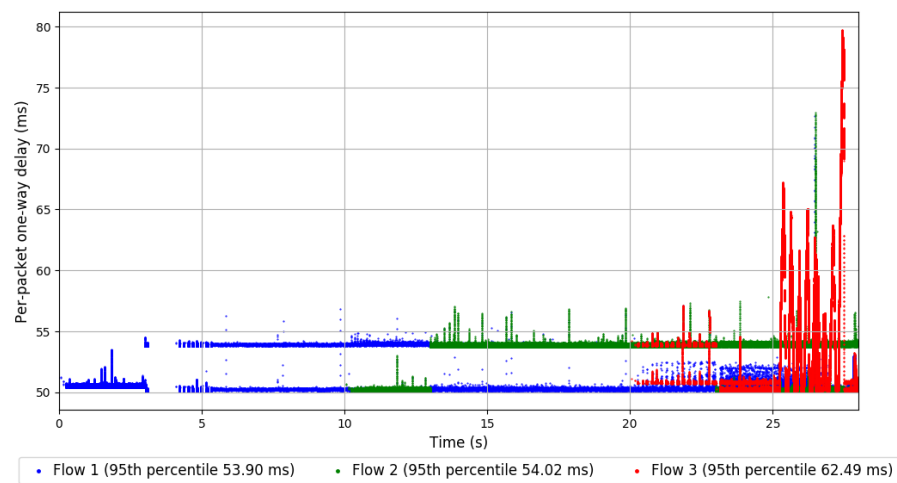
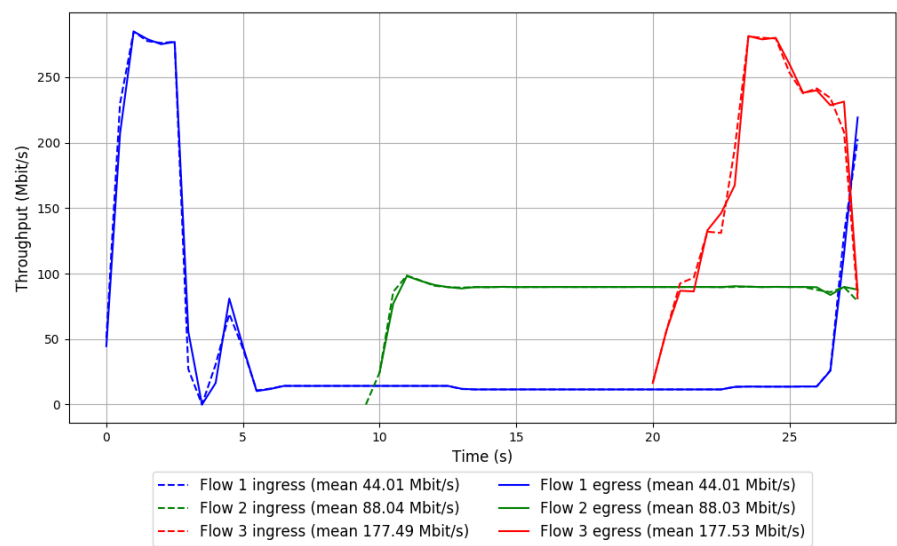
-- Flow 3:

Average throughput: 177.53 Mbit/s

95th percentile per-packet one-way delay: 62.488 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-26 19:36:02

End at: 2018-01-26 19:36:32

Below is generated by plot.py at 2018-01-26 22:46:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.75 Mbit/s

95th percentile per-packet one-way delay: 53.897 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 177.66 Mbit/s

95th percentile per-packet one-way delay: 50.775 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 63.49 Mbit/s

95th percentile per-packet one-way delay: 54.087 ms

Loss rate: 0.00%

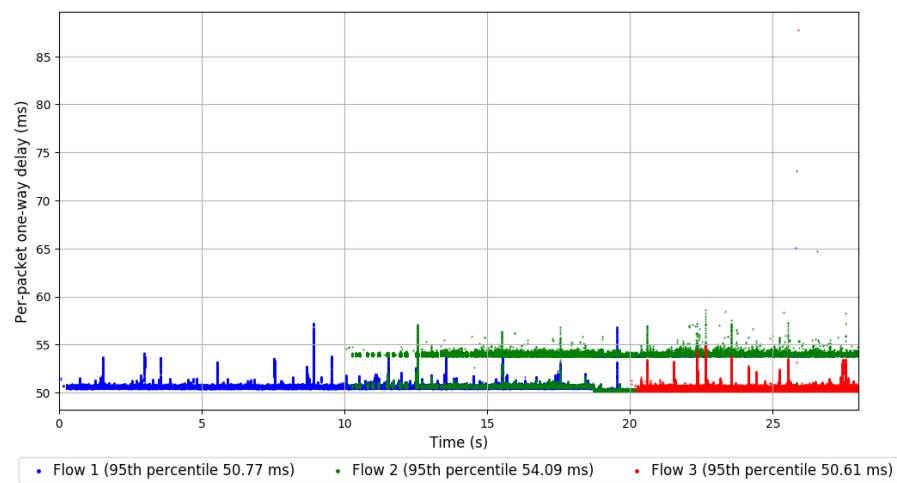
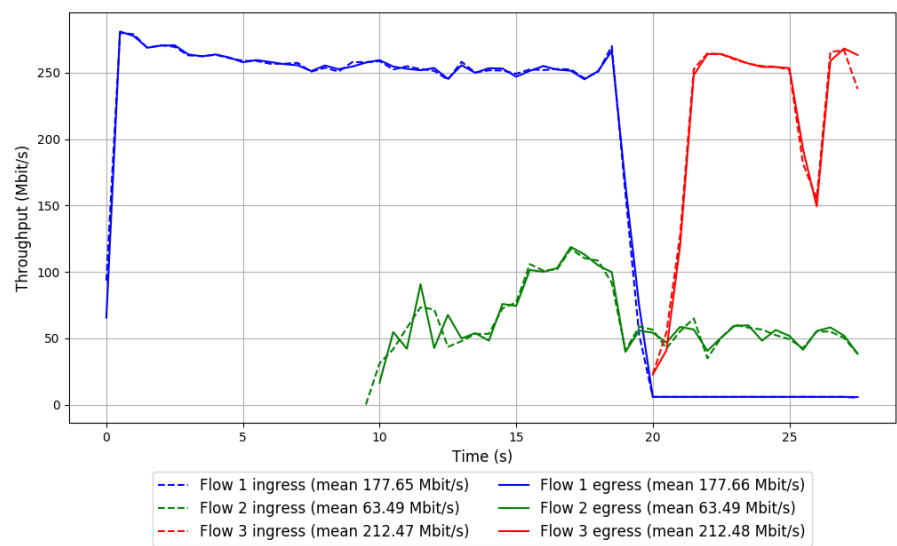
-- Flow 3:

Average throughput: 212.48 Mbit/s

95th percentile per-packet one-way delay: 50.607 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-26 19:50:03

End at: 2018-01-26 19:50:33

Below is generated by plot.py at 2018-01-26 22:46:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.14 Mbit/s

95th percentile per-packet one-way delay: 53.594 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 27.70 Mbit/s

95th percentile per-packet one-way delay: 53.659 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 110.59 Mbit/s

95th percentile per-packet one-way delay: 53.551 ms

Loss rate: 0.00%

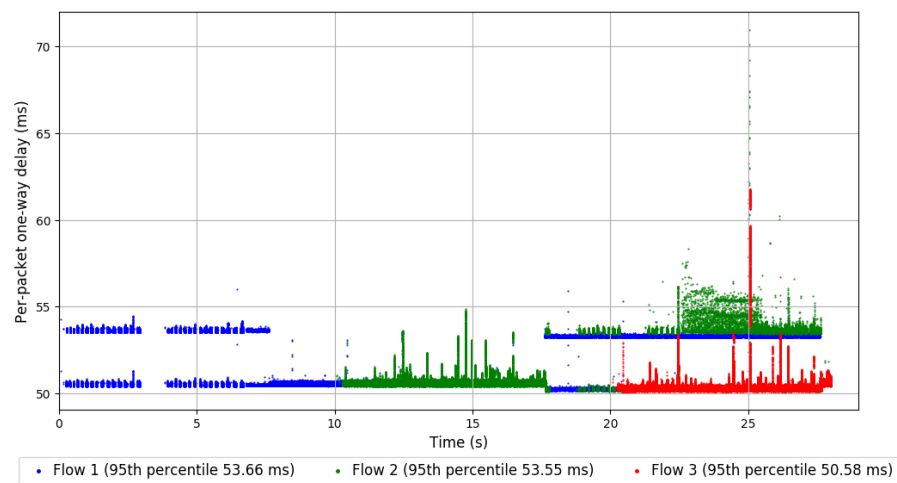
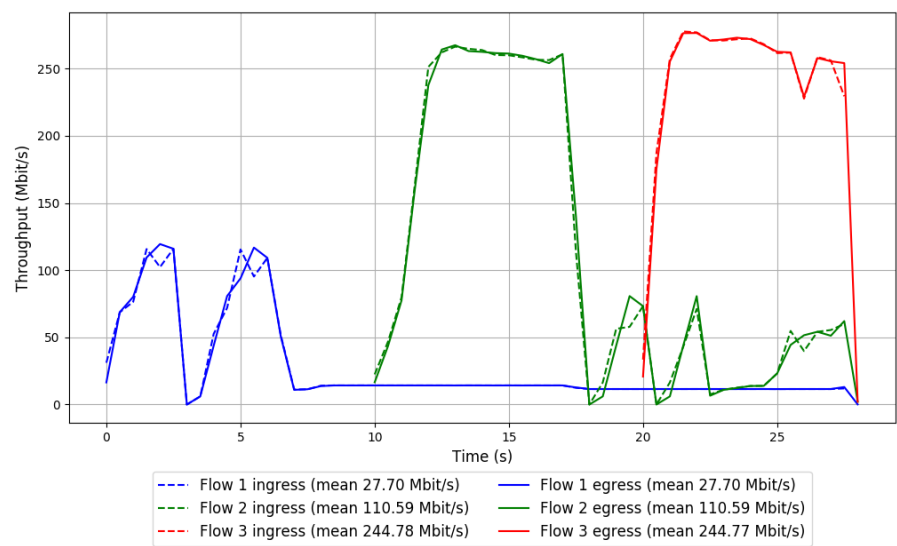
-- Flow 3:

Average throughput: 244.77 Mbit/s

95th percentile per-packet one-way delay: 50.575 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-26 20:04:16

End at: 2018-01-26 20:04:46

Below is generated by plot.py at 2018-01-26 22:47:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.03 Mbit/s

95th percentile per-packet one-way delay: 54.487 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 232.60 Mbit/s

95th percentile per-packet one-way delay: 53.401 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 127.55 Mbit/s

95th percentile per-packet one-way delay: 57.390 ms

Loss rate: 0.00%

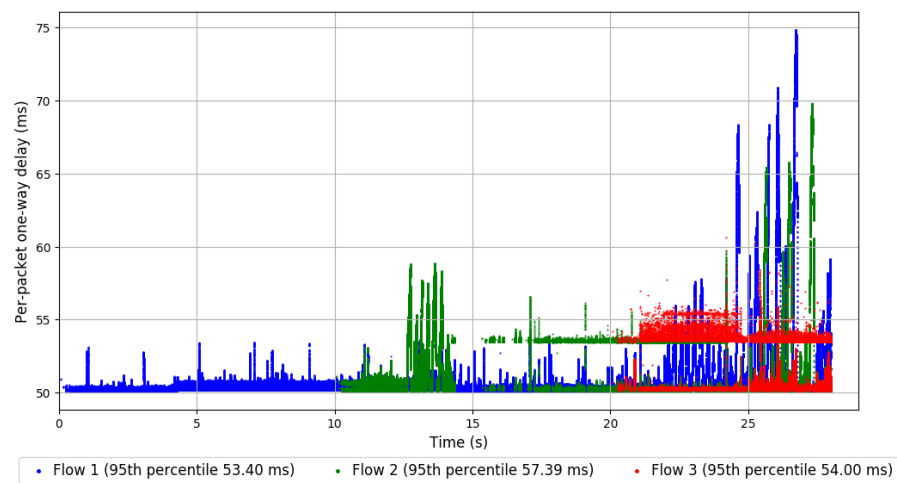
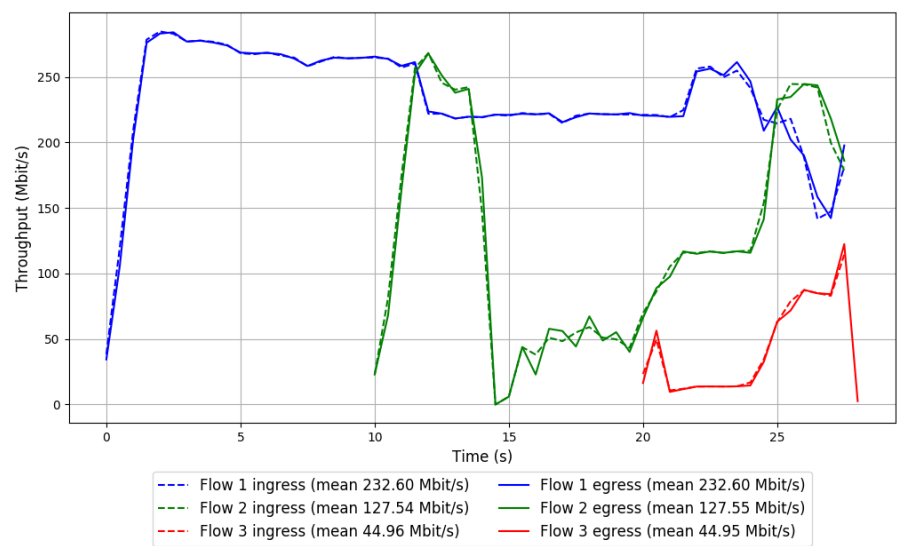
-- Flow 3:

Average throughput: 44.95 Mbit/s

95th percentile per-packet one-way delay: 53.996 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-26 20:18:50

End at: 2018-01-26 20:19:20

Below is generated by plot.py at 2018-01-26 22:47:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.62 Mbit/s

95th percentile per-packet one-way delay: 53.844 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 120.17 Mbit/s

95th percentile per-packet one-way delay: 53.915 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 138.95 Mbit/s

95th percentile per-packet one-way delay: 50.711 ms

Loss rate: 0.00%

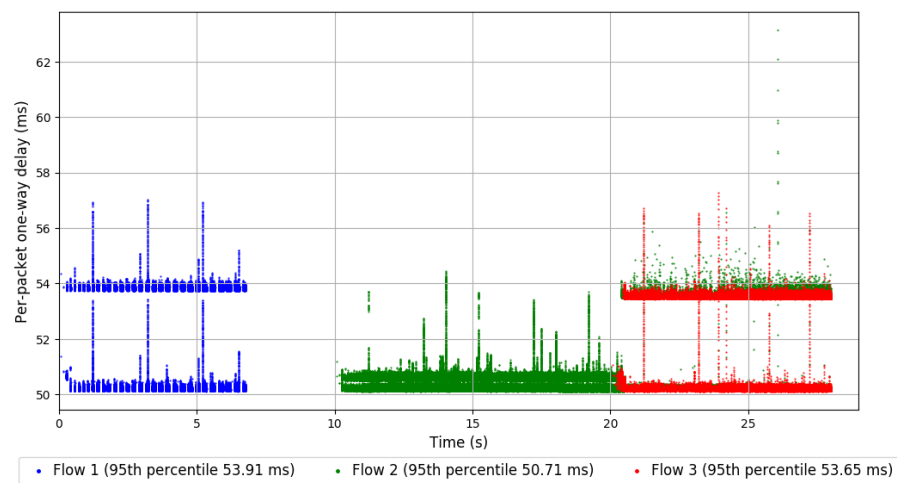
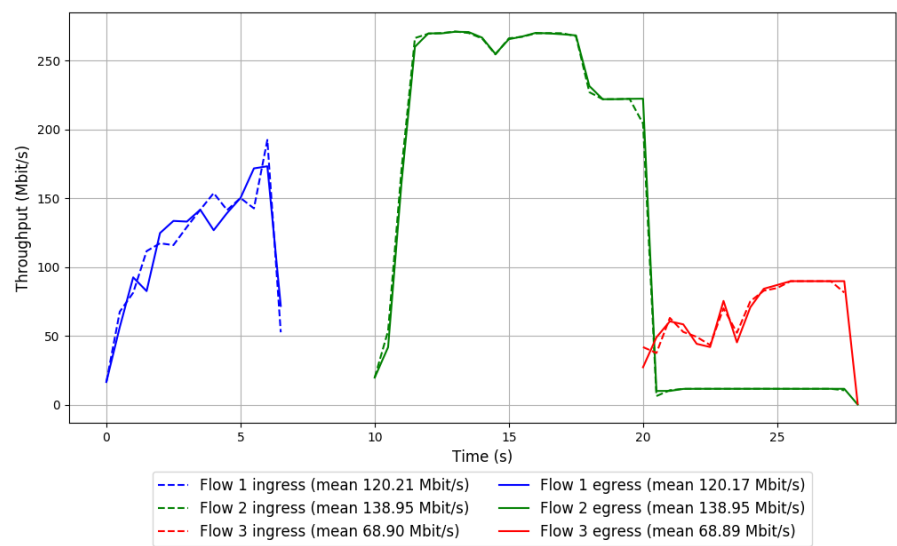
-- Flow 3:

Average throughput: 68.89 Mbit/s

95th percentile per-packet one-way delay: 53.649 ms

Loss rate: 0.00%

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

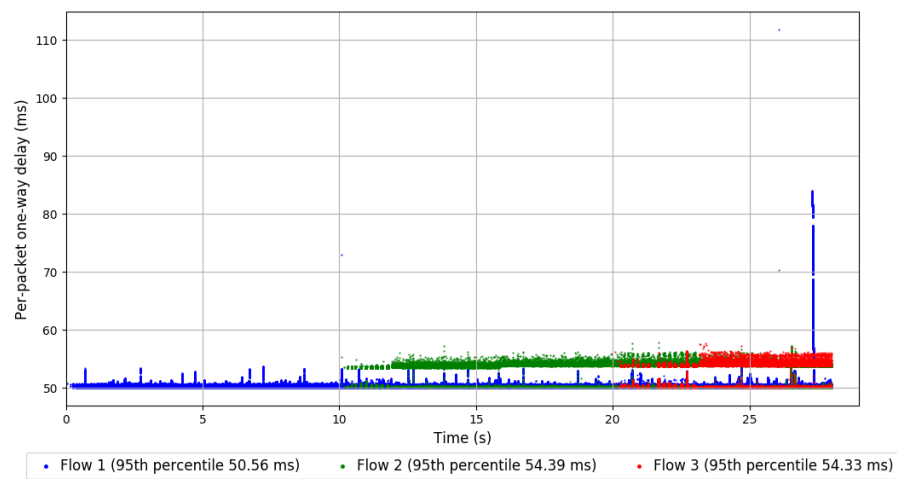
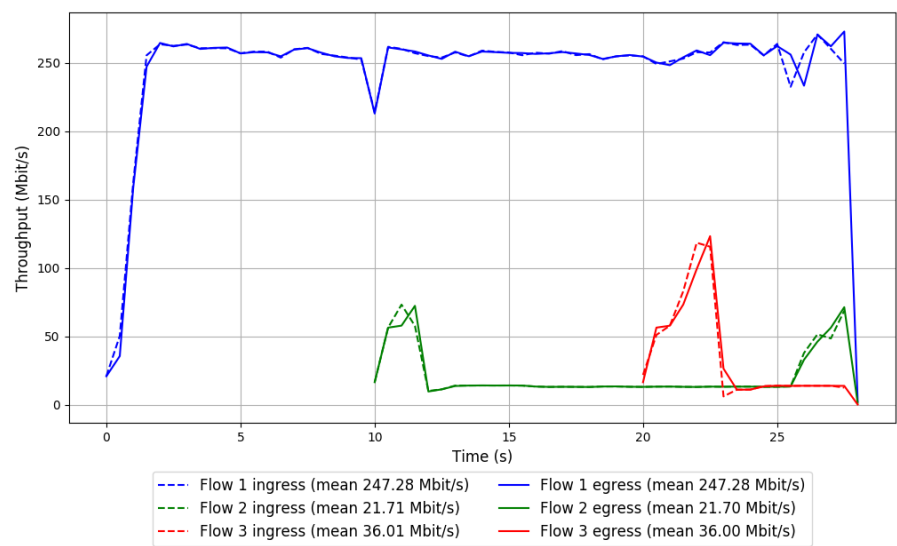


```
Run 9: Statistics of TaoVA-100x

Start at: 2018-01-26 20:32:34
End at: 2018-01-26 20:33:04

# Below is generated by plot.py at 2018-01-26 22:47:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 271.40 Mbit/s
95th percentile per-packet one-way delay: 51.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 247.28 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.70 Mbit/s
95th percentile per-packet one-way delay: 54.390 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 54.326 ms
Loss rate: 0.00%
```


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

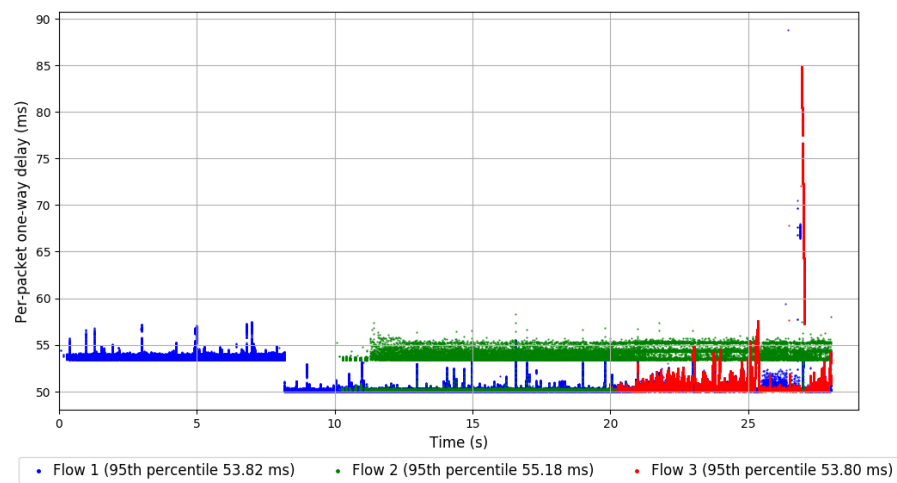
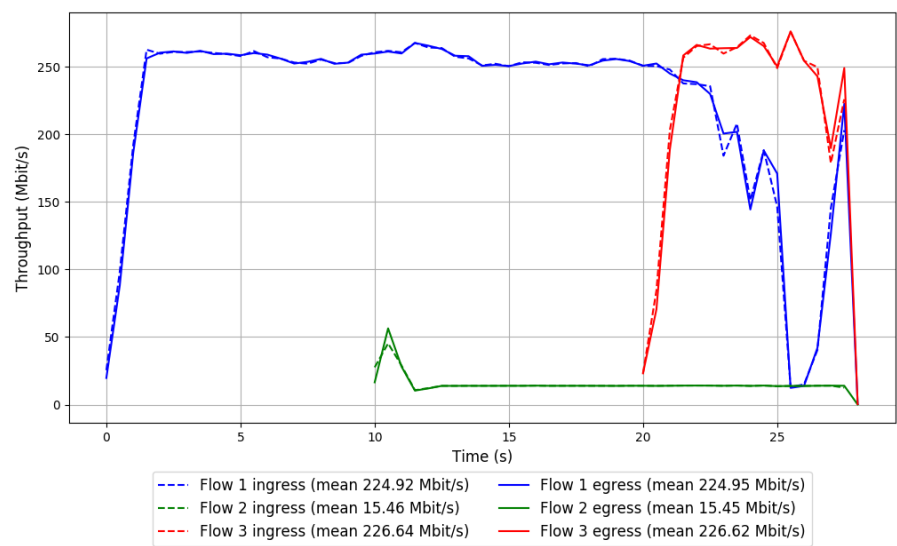


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-01-26 20:46:52
End at: 2018-01-26 20:47:22

# Below is generated by plot.py at 2018-01-26 22:48:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 299.15 Mbit/s
95th percentile per-packet one-way delay: 53.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.95 Mbit/s
95th percentile per-packet one-way delay: 53.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 55.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 226.62 Mbit/s
95th percentile per-packet one-way delay: 53.803 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-26 18:41:53

End at: 2018-01-26 18:42:23

Below is generated by plot.py at 2018-01-26 22:48:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.29 Mbit/s

95th percentile per-packet one-way delay: 51.777 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.94 Mbit/s

95th percentile per-packet one-way delay: 51.460 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 51.334 ms

Loss rate: 0.01%

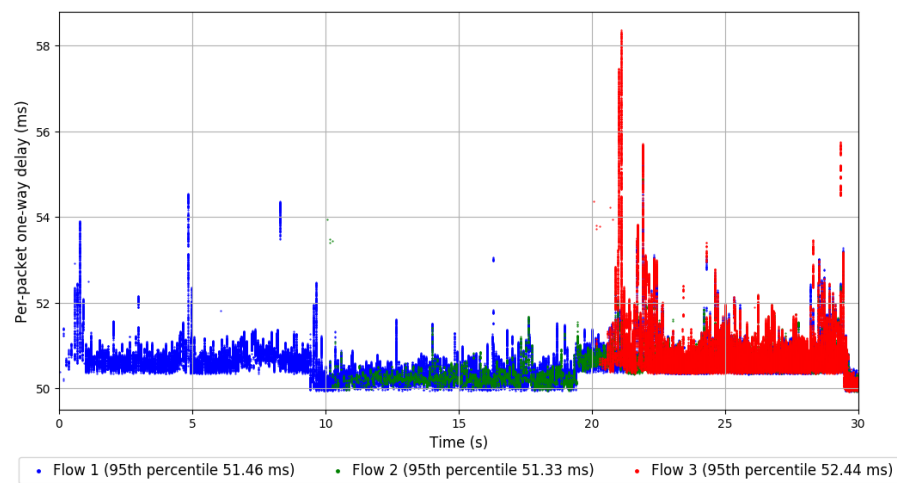
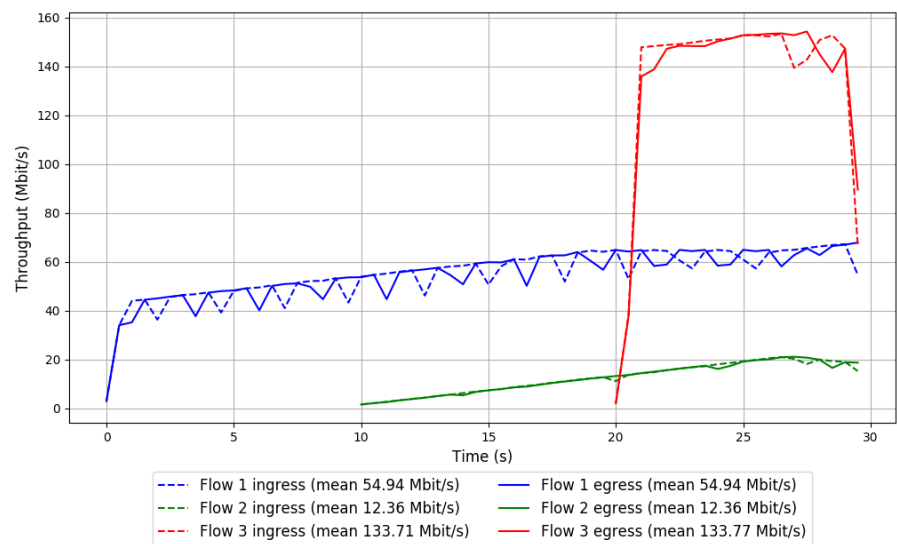
-- Flow 3:

Average throughput: 133.77 Mbit/s

95th percentile per-packet one-way delay: 52.441 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 18:55:47

End at: 2018-01-26 18:56:17

Below is generated by plot.py at 2018-01-26 22:48:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.35 Mbit/s

95th percentile per-packet one-way delay: 54.158 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 83.76 Mbit/s

95th percentile per-packet one-way delay: 54.184 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.65 Mbit/s

95th percentile per-packet one-way delay: 54.108 ms

Loss rate: 0.00%

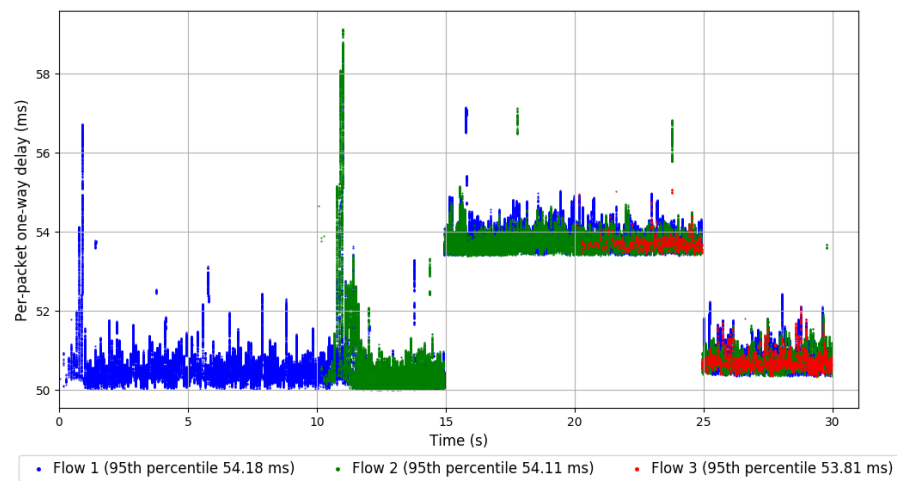
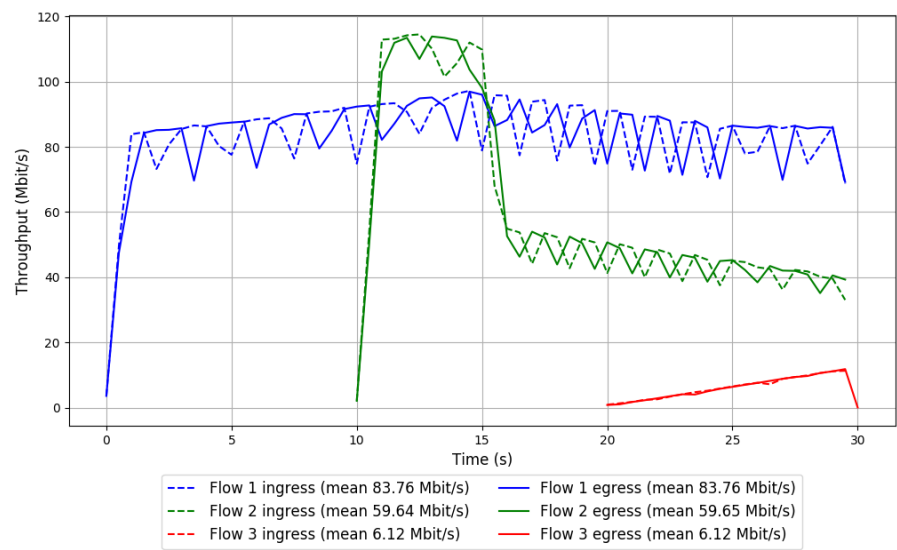
-- Flow 3:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 53.812 ms

Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 19:10:24

End at: 2018-01-26 19:10:54

Below is generated by plot.py at 2018-01-26 22:48:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 153.84 Mbit/s

95th percentile per-packet one-way delay: 53.938 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 111.86 Mbit/s

95th percentile per-packet one-way delay: 53.997 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.32 Mbit/s

95th percentile per-packet one-way delay: 53.832 ms

Loss rate: 0.02%

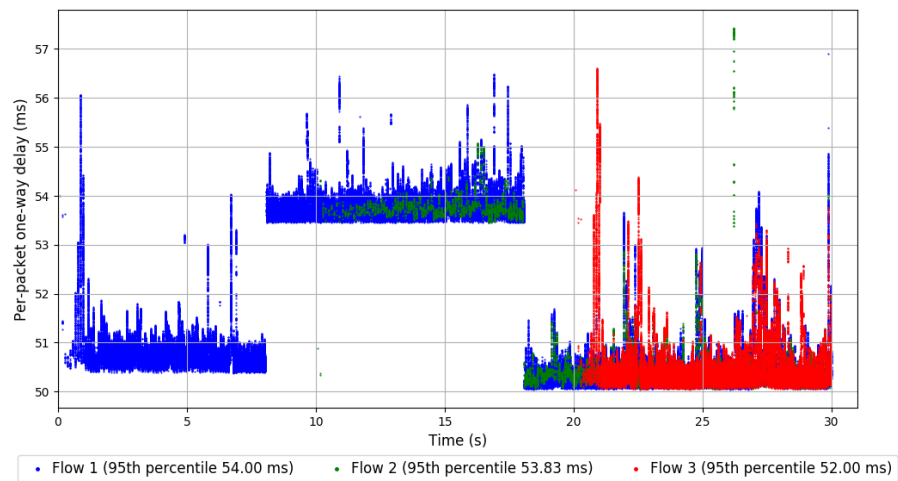
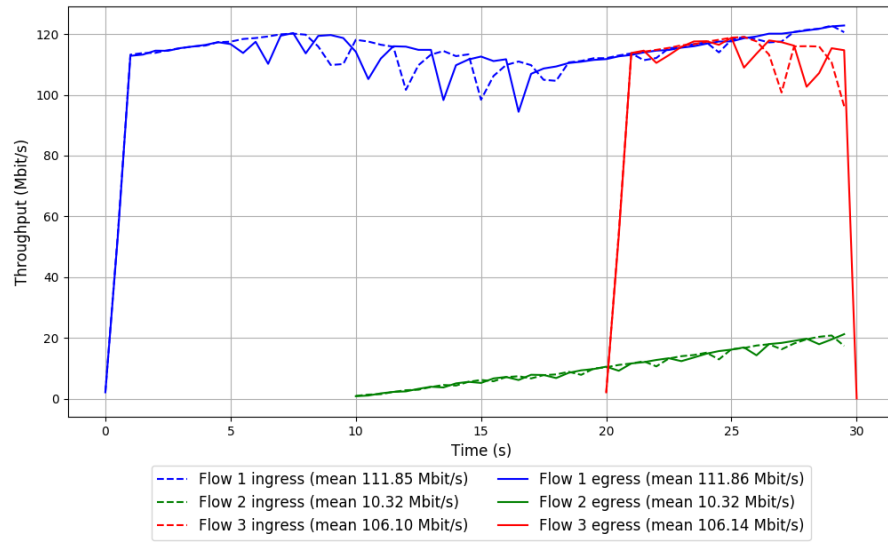
-- Flow 3:

Average throughput: 106.14 Mbit/s

95th percentile per-packet one-way delay: 51.998 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 19:24:12

End at: 2018-01-26 19:24:42

Below is generated by plot.py at 2018-01-26 22:48:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.29 Mbit/s

95th percentile per-packet one-way delay: 54.227 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.34 Mbit/s

95th percentile per-packet one-way delay: 54.312 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.06 Mbit/s

95th percentile per-packet one-way delay: 51.584 ms

Loss rate: 0.00%

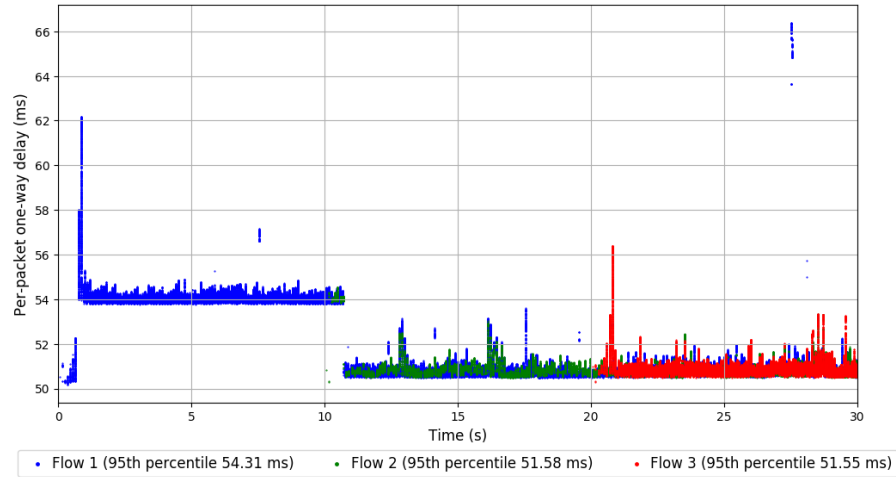
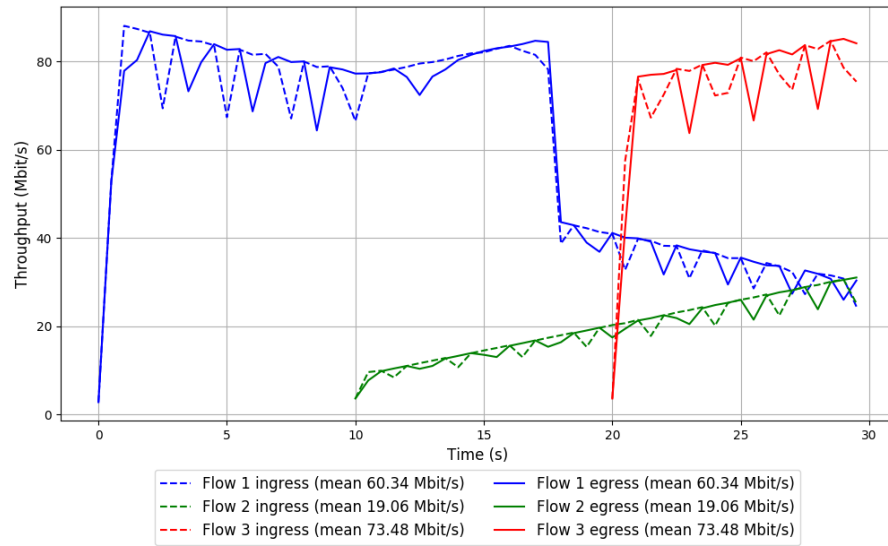
-- Flow 3:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 51.549 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 19:38:38

End at: 2018-01-26 19:39:08

Below is generated by plot.py at 2018-01-26 22:48:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.25 Mbit/s

95th percentile per-packet one-way delay: 56.219 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 54.407 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 115.93 Mbit/s

95th percentile per-packet one-way delay: 57.344 ms

Loss rate: 0.00%

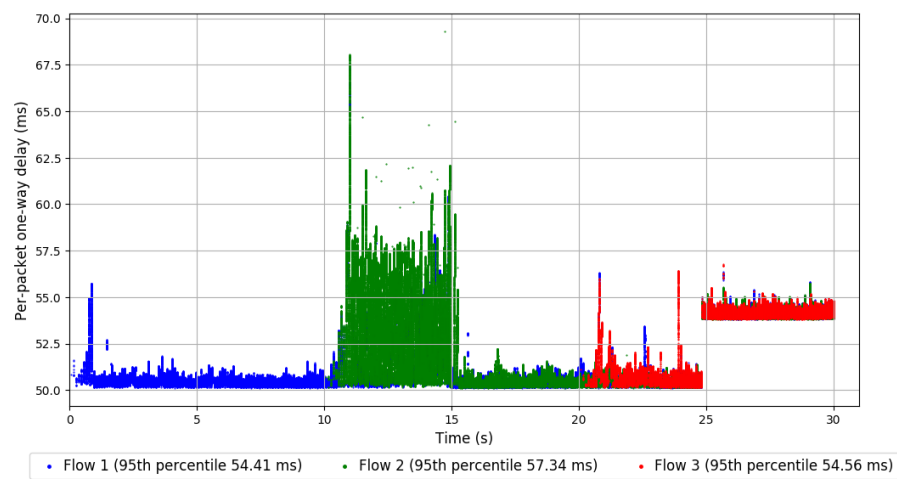
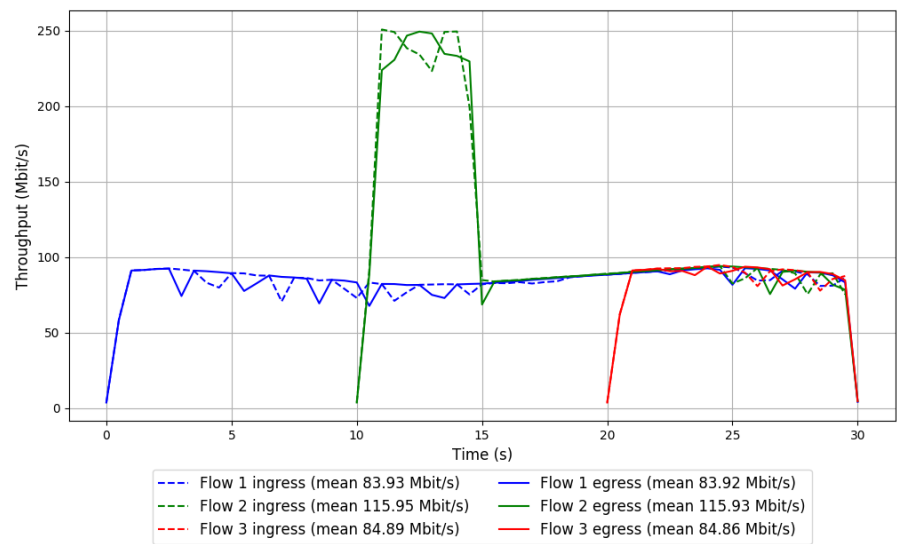
-- Flow 3:

Average throughput: 84.86 Mbit/s

95th percentile per-packet one-way delay: 54.559 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 19:52:31

End at: 2018-01-26 19:53:01

Below is generated by plot.py at 2018-01-26 22:48:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.34 Mbit/s

95th percentile per-packet one-way delay: 56.398 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 119.16 Mbit/s

95th percentile per-packet one-way delay: 56.053 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 89.62 Mbit/s

95th percentile per-packet one-way delay: 57.811 ms

Loss rate: 0.00%

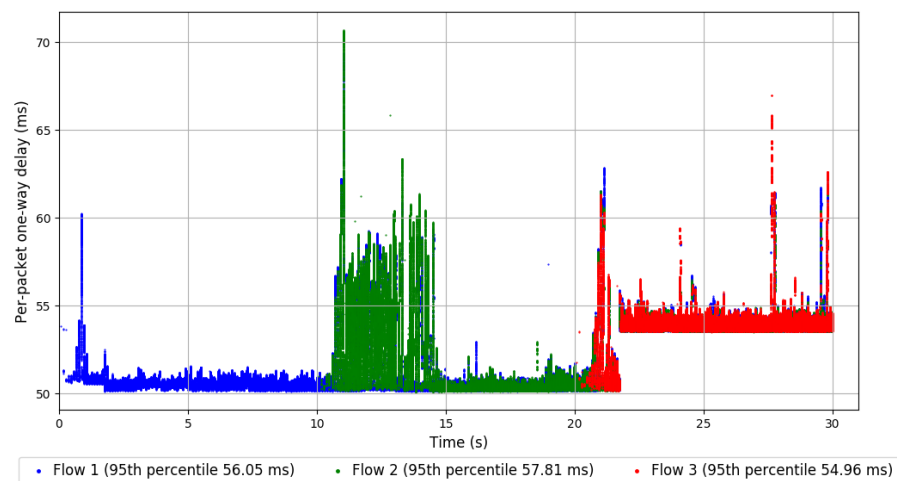
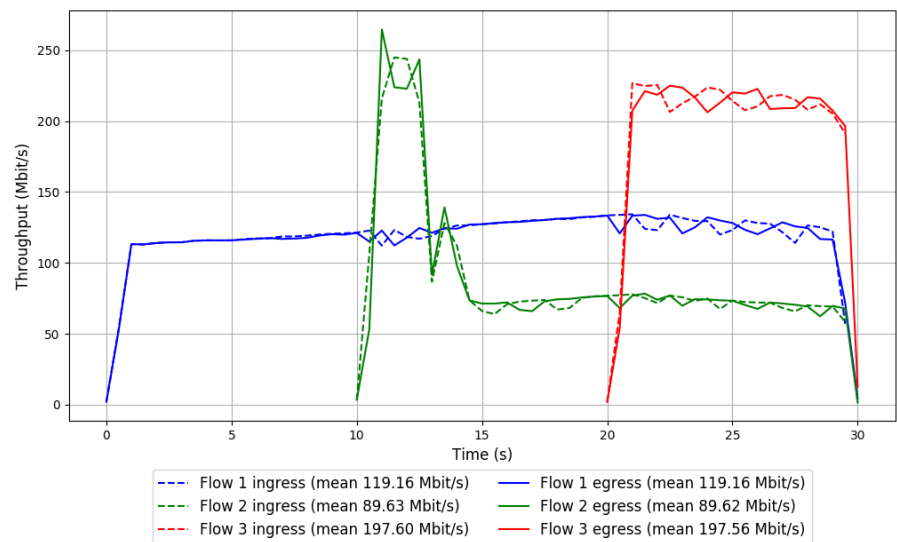
-- Flow 3:

Average throughput: 197.56 Mbit/s

95th percentile per-packet one-way delay: 54.961 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 20:06:59

End at: 2018-01-26 20:07:29

Below is generated by plot.py at 2018-01-26 22:48:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.57 Mbit/s

95th percentile per-packet one-way delay: 55.846 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 121.39 Mbit/s

95th percentile per-packet one-way delay: 51.664 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 115.09 Mbit/s

95th percentile per-packet one-way delay: 57.746 ms

Loss rate: 0.00%

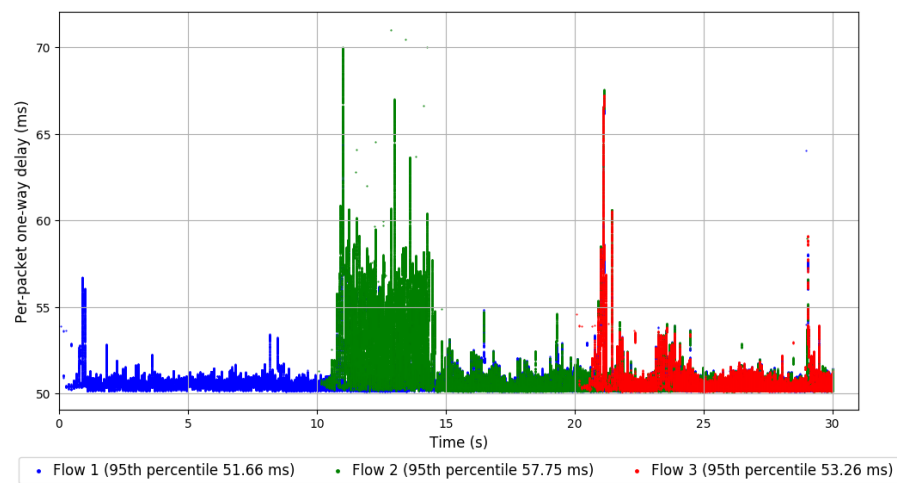
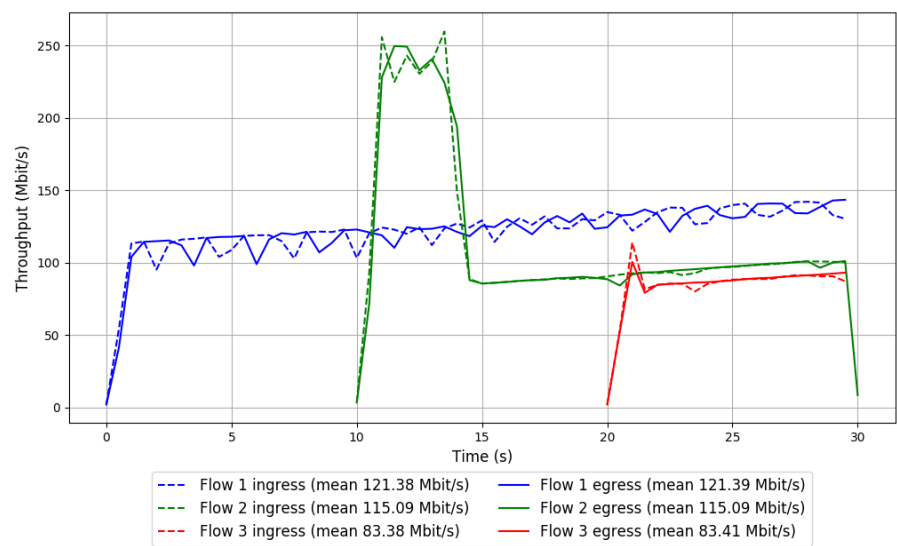
-- Flow 3:

Average throughput: 83.41 Mbit/s

95th percentile per-packet one-way delay: 53.263 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 20:21:12

End at: 2018-01-26 20:21:42

Below is generated by plot.py at 2018-01-26 22:48:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.97 Mbit/s

95th percentile per-packet one-way delay: 54.412 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.63 Mbit/s

95th percentile per-packet one-way delay: 54.385 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 143.46 Mbit/s

95th percentile per-packet one-way delay: 54.411 ms

Loss rate: 0.00%

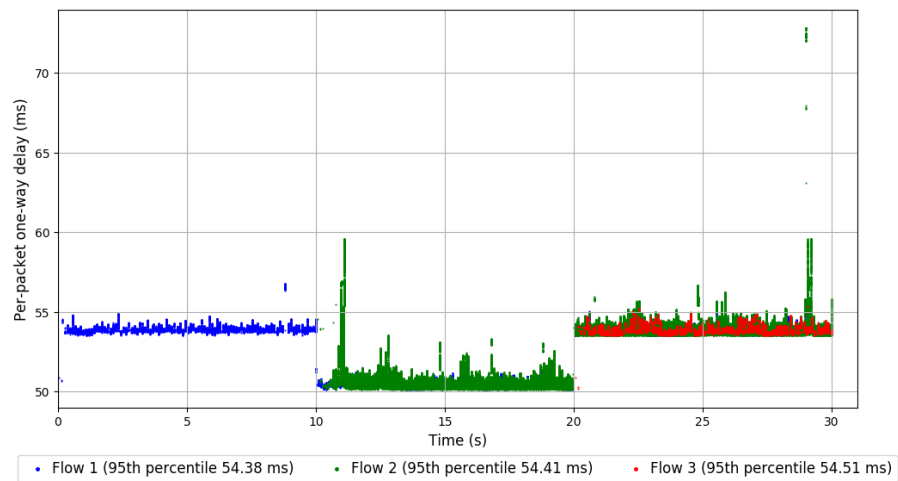
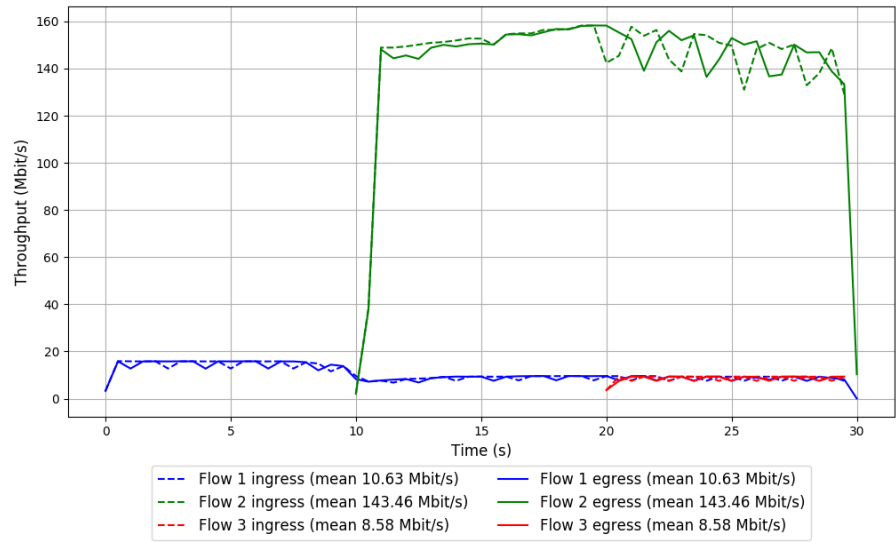
-- Flow 3:

Average throughput: 8.58 Mbit/s

95th percentile per-packet one-way delay: 54.512 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 20:35:10

End at: 2018-01-26 20:35:40

Below is generated by plot.py at 2018-01-26 22:49:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 179.95 Mbit/s

95th percentile per-packet one-way delay: 56.726 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 145.45 Mbit/s

95th percentile per-packet one-way delay: 56.831 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.50 Mbit/s

95th percentile per-packet one-way delay: 55.605 ms

Loss rate: 0.01%

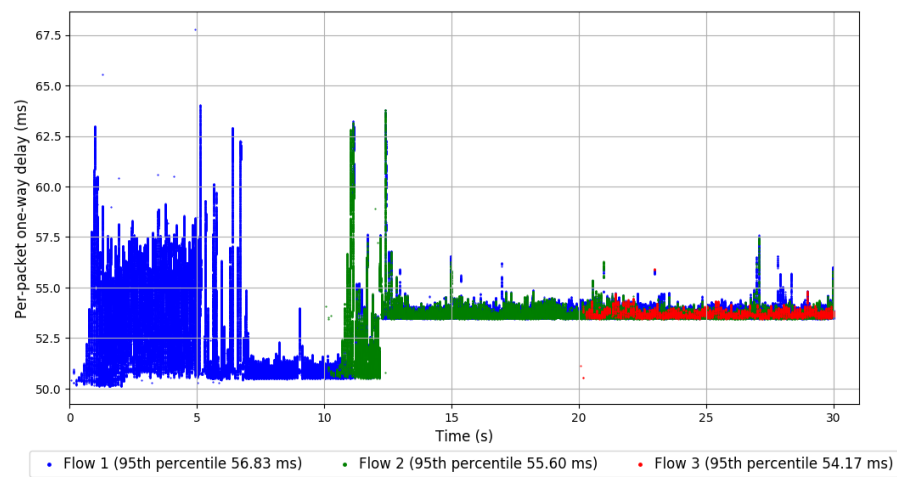
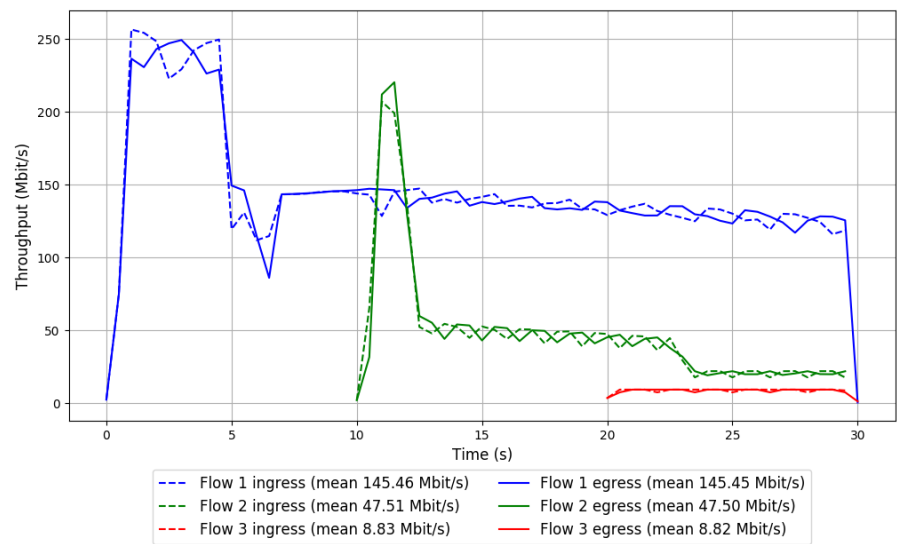
-- Flow 3:

Average throughput: 8.82 Mbit/s

95th percentile per-packet one-way delay: 54.171 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 20:49:30

End at: 2018-01-26 20:50:00

Below is generated by plot.py at 2018-01-26 22:49:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 175.48 Mbit/s

95th percentile per-packet one-way delay: 59.691 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 57.160 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 156.43 Mbit/s

95th percentile per-packet one-way delay: 60.008 ms

Loss rate: 0.00%

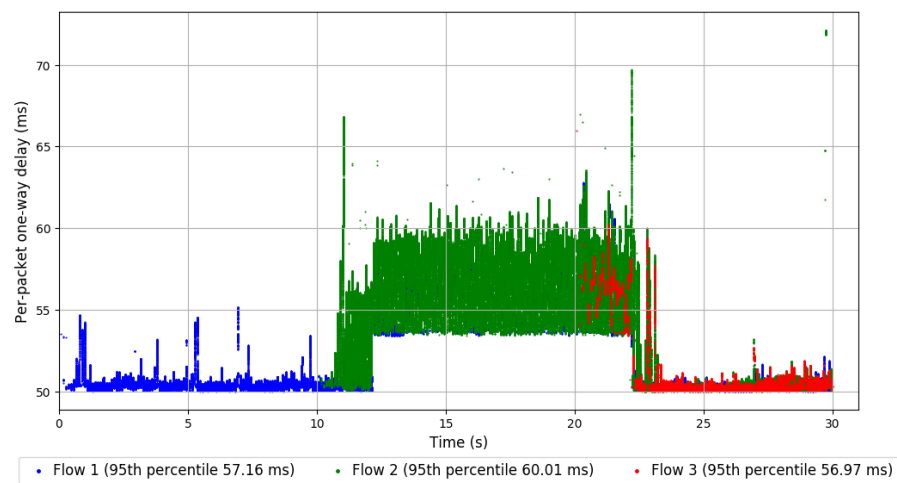
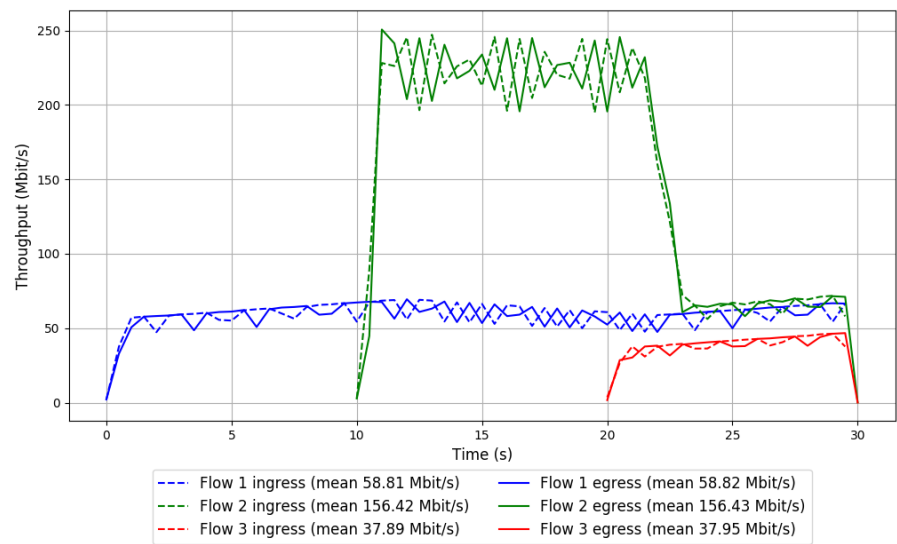
-- Flow 3:

Average throughput: 37.95 Mbit/s

95th percentile per-packet one-way delay: 56.971 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

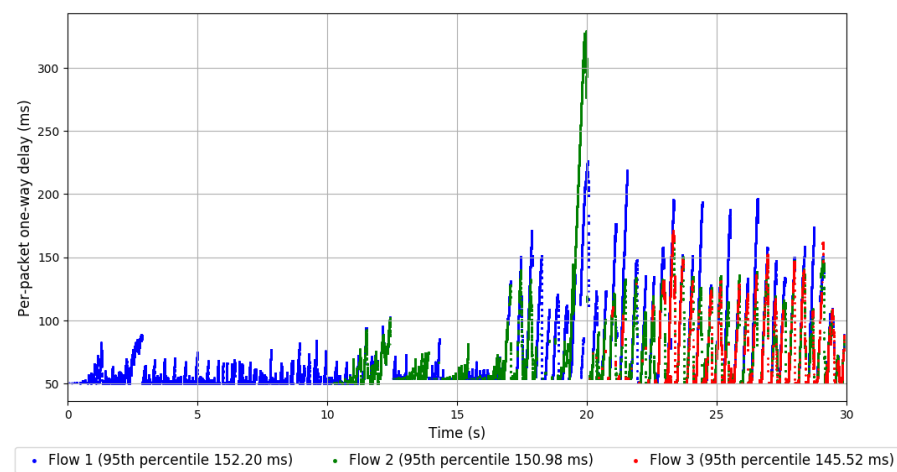
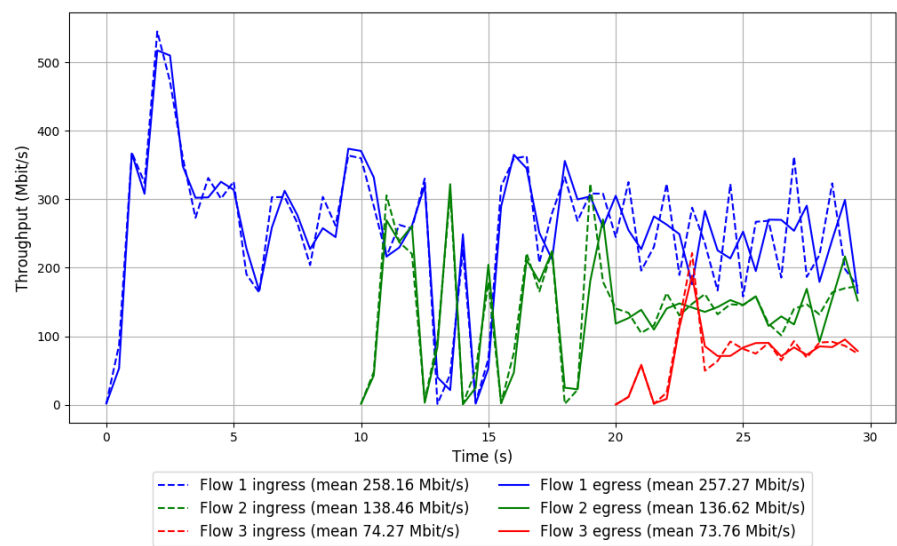


```
Run 1: Statistics of Verus

Start at: 2018-01-26 18:43:20
End at: 2018-01-26 18:43:50

# Below is generated by plot.py at 2018-01-26 22:53:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 372.30 Mbit/s
95th percentile per-packet one-way delay: 151.136 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 257.27 Mbit/s
95th percentile per-packet one-way delay: 152.197 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 136.62 Mbit/s
95th percentile per-packet one-way delay: 150.984 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 73.76 Mbit/s
95th percentile per-packet one-way delay: 145.519 ms
Loss rate: 0.72%
```


Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-26 18:57:16

End at: 2018-01-26 18:57:46

Below is generated by plot.py at 2018-01-26 22:53:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.05 Mbit/s

95th percentile per-packet one-way delay: 135.712 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 245.83 Mbit/s

95th percentile per-packet one-way delay: 114.447 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 153.12 Mbit/s

95th percentile per-packet one-way delay: 179.867 ms

Loss rate: 0.51%

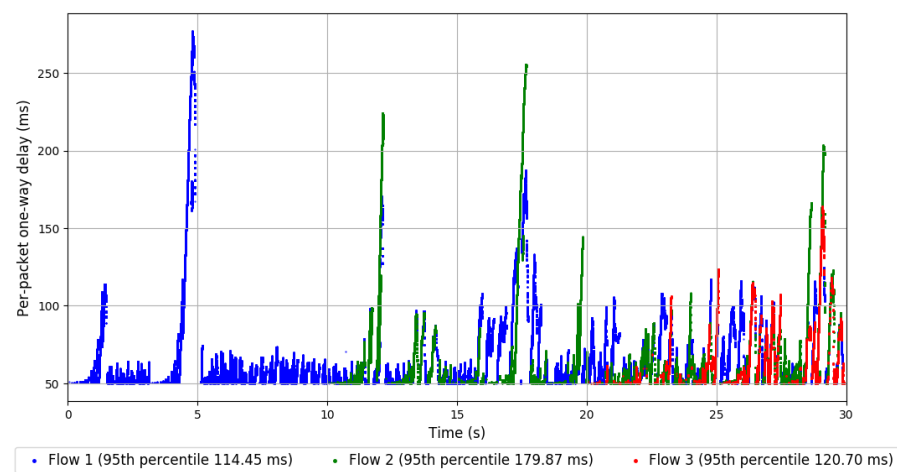
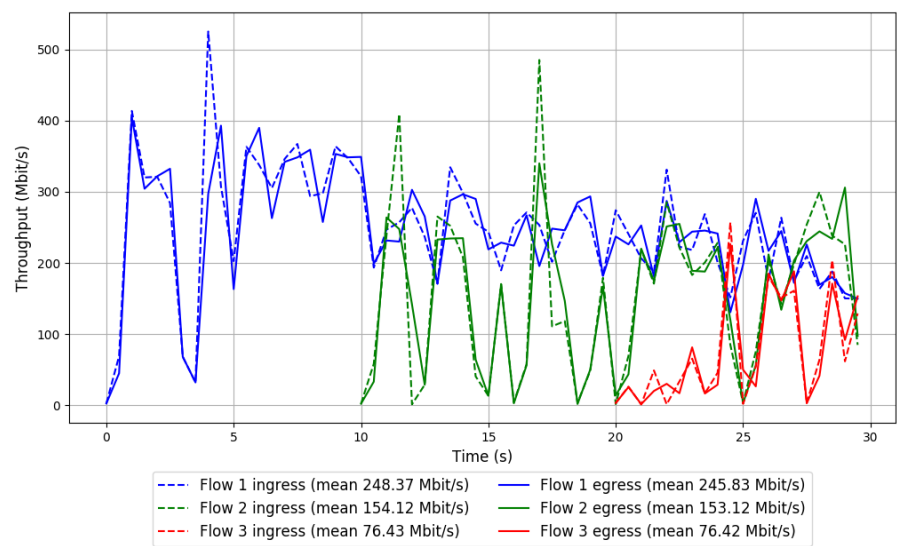
-- Flow 3:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 120.700 ms

Loss rate: 0.08%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-26 19:11:54

End at: 2018-01-26 19:12:24

Below is generated by plot.py at 2018-01-26 22:54:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 409.01 Mbit/s

95th percentile per-packet one-way delay: 127.084 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 251.44 Mbit/s

95th percentile per-packet one-way delay: 107.914 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 158.59 Mbit/s

95th percentile per-packet one-way delay: 113.986 ms

Loss rate: 0.38%

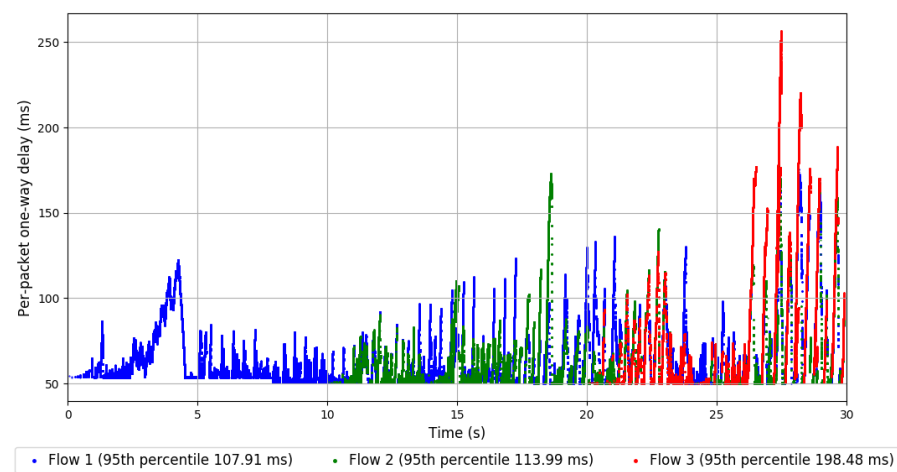
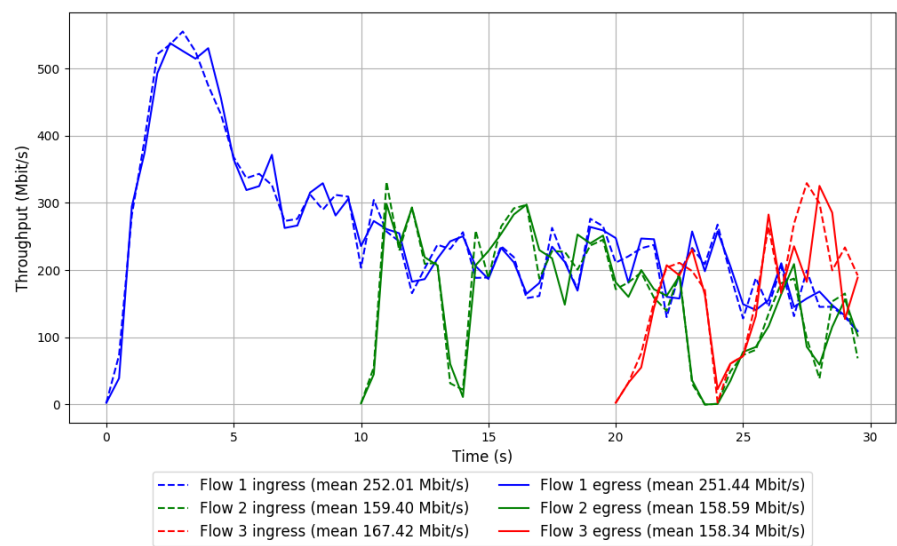
-- Flow 3:

Average throughput: 158.34 Mbit/s

95th percentile per-packet one-way delay: 198.483 ms

Loss rate: 5.43%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-26 19:25:38

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

Below is generated by plot.py at 2018-01-26 22:54:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 401.49 Mbit/s

95th percentile per-packet one-way delay: 173.656 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 266.56 Mbit/s

95th percentile per-packet one-way delay: 134.910 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 174.49 Mbit/s

95th percentile per-packet one-way delay: 236.569 ms

Loss rate: 0.97%

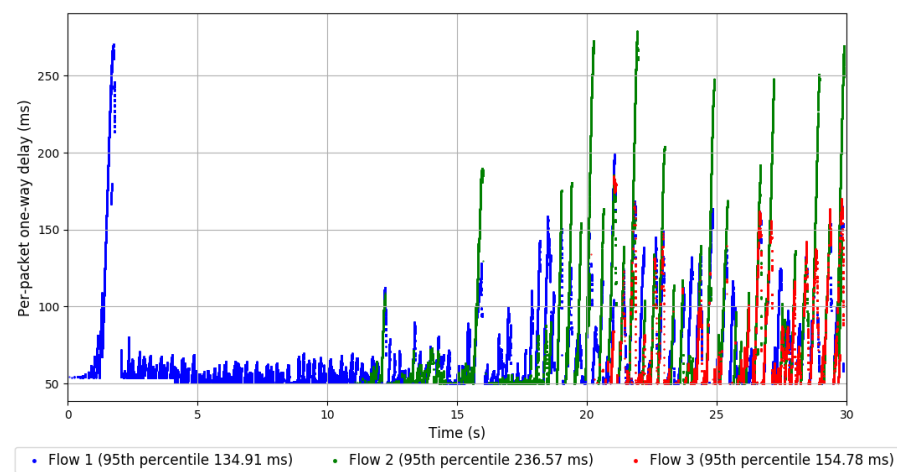
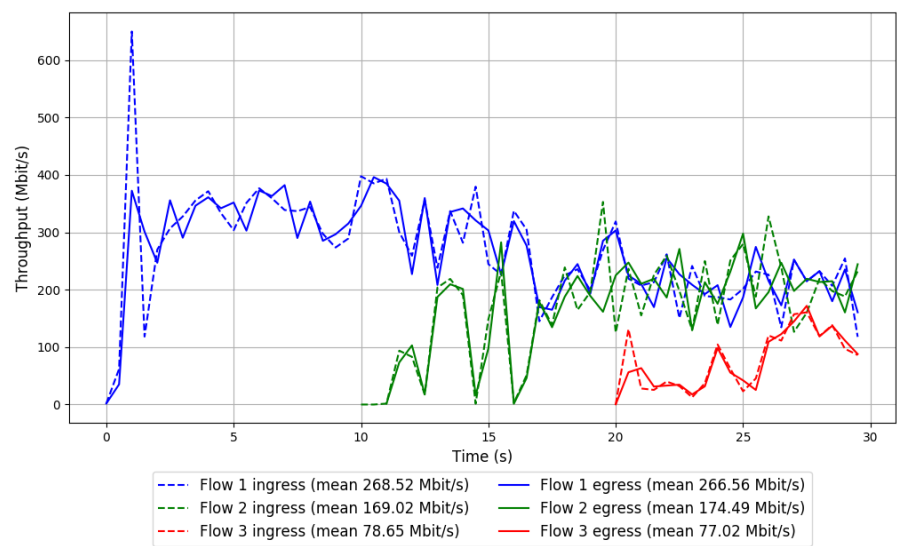
-- Flow 3:

Average throughput: 77.02 Mbit/s

95th percentile per-packet one-way delay: 154.779 ms

Loss rate: 2.53%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-26 19:40:10

End at: 2018-01-26 19:40:40

Below is generated by plot.py at 2018-01-26 22:54:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.80 Mbit/s

95th percentile per-packet one-way delay: 134.190 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 219.24 Mbit/s

95th percentile per-packet one-way delay: 135.087 ms

Loss rate: 1.56%

-- Flow 2:

Average throughput: 194.50 Mbit/s

95th percentile per-packet one-way delay: 147.854 ms

Loss rate: 2.94%

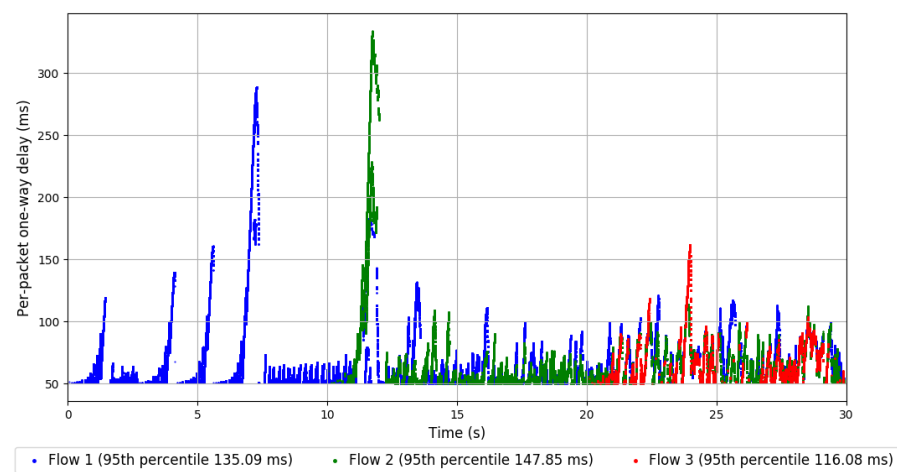
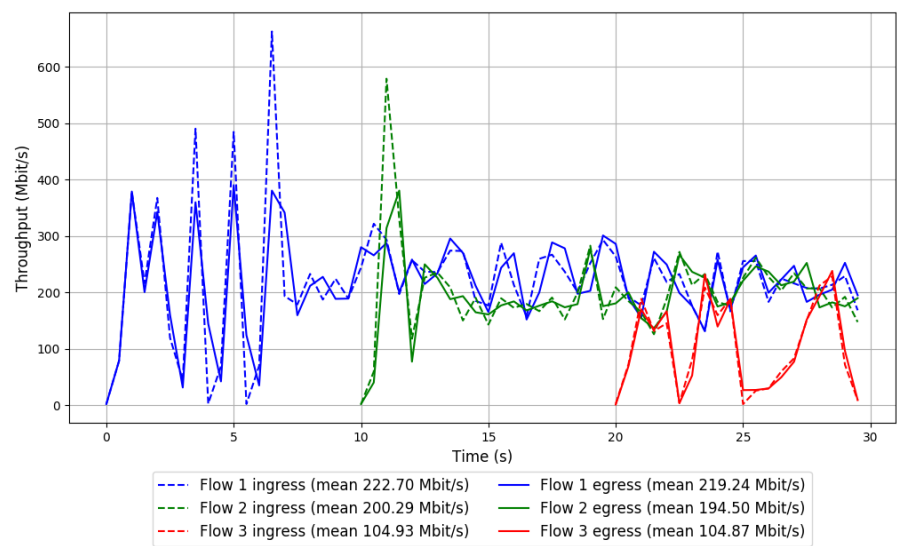
-- Flow 3:

Average throughput: 104.87 Mbit/s

95th percentile per-packet one-way delay: 116.082 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-26 19:54:05

End at: 2018-01-26 19:54:35

Below is generated by plot.py at 2018-01-26 22:55:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 405.26 Mbit/s

95th percentile per-packet one-way delay: 136.609 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 230.52 Mbit/s

95th percentile per-packet one-way delay: 125.230 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 187.96 Mbit/s

95th percentile per-packet one-way delay: 160.341 ms

Loss rate: 1.33%

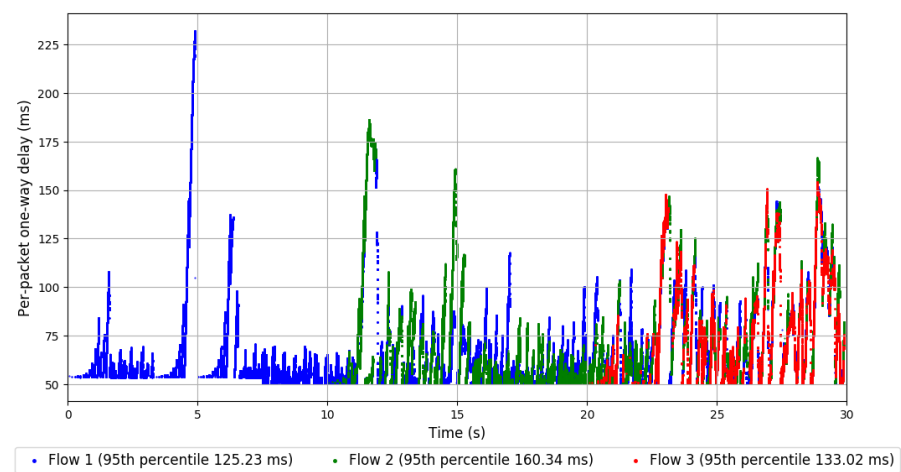
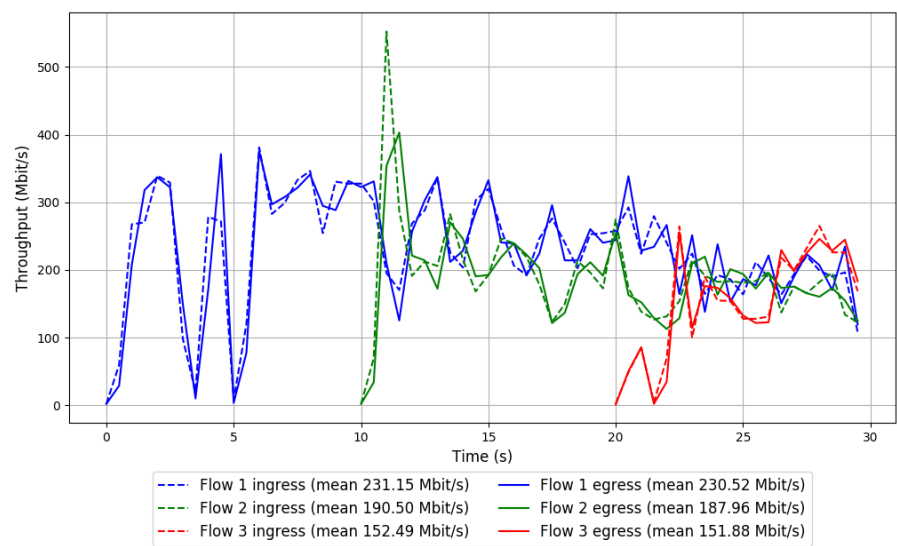
-- Flow 3:

Average throughput: 151.88 Mbit/s

95th percentile per-packet one-way delay: 133.021 ms

Loss rate: 0.40%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-26 20:08:33

End at: 2018-01-26 20:09:03

Below is generated by plot.py at 2018-01-26 22:55:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.04 Mbit/s

95th percentile per-packet one-way delay: 129.642 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 225.44 Mbit/s

95th percentile per-packet one-way delay: 131.038 ms

Loss rate: 1.64%

-- Flow 2:

Average throughput: 208.84 Mbit/s

95th percentile per-packet one-way delay: 125.089 ms

Loss rate: 0.43%

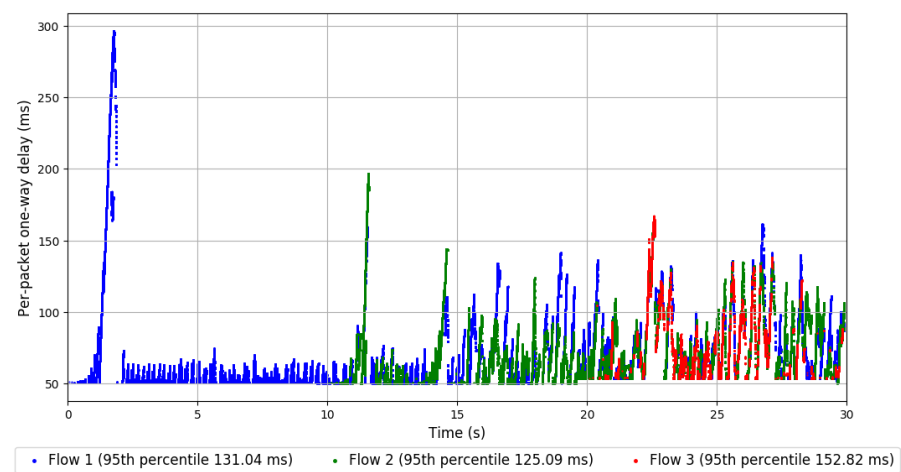
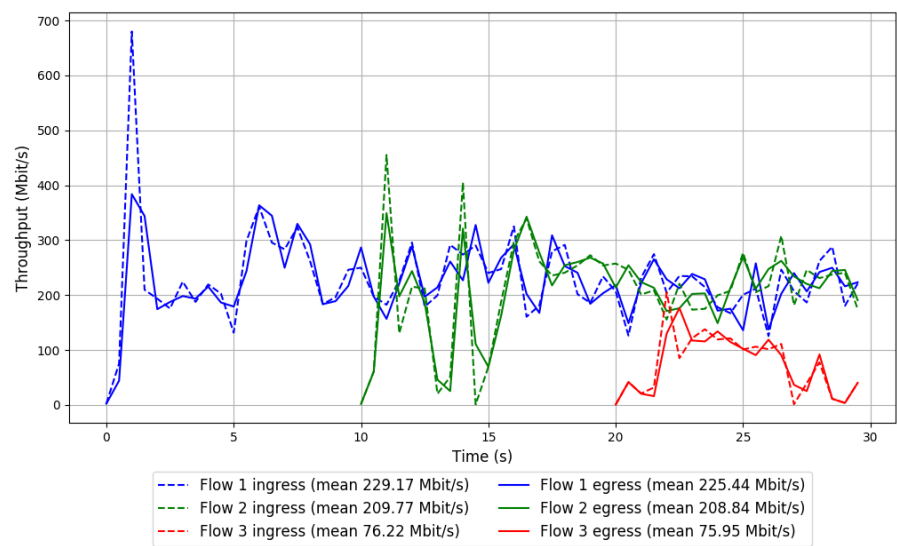
-- Flow 3:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 152.825 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-01-26 20:22:40

End at: 2018-01-26 20:23:10

Below is generated by plot.py at 2018-01-26 22:56:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.67 Mbit/s

95th percentile per-packet one-way delay: 107.986 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 263.01 Mbit/s

95th percentile per-packet one-way delay: 109.148 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 137.46 Mbit/s

95th percentile per-packet one-way delay: 96.356 ms

Loss rate: 0.00%

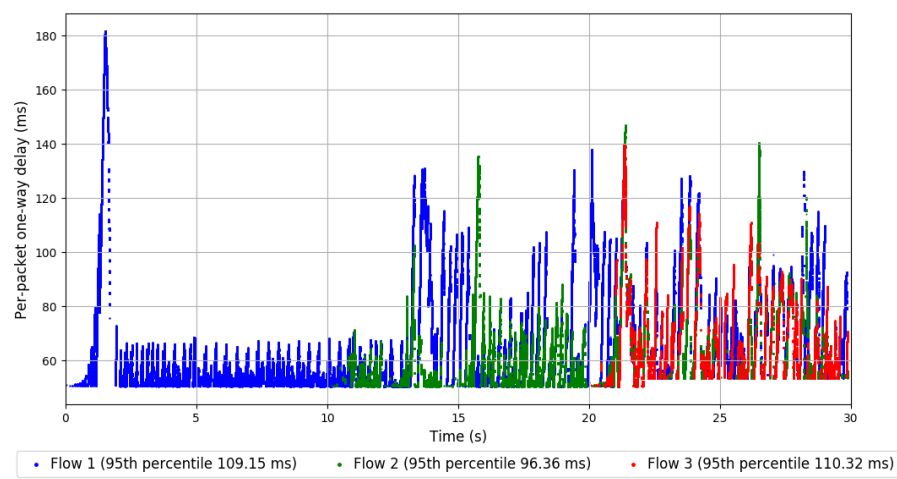
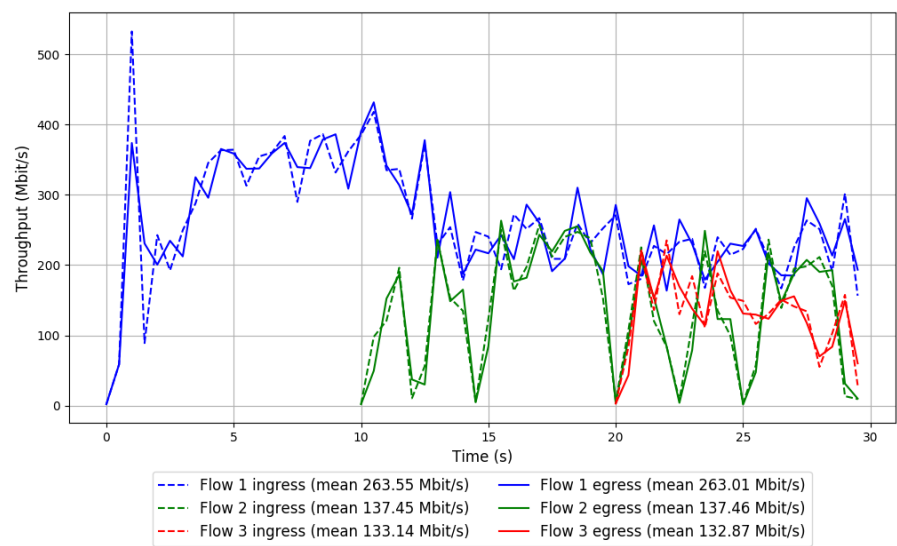
-- Flow 3:

Average throughput: 132.87 Mbit/s

95th percentile per-packet one-way delay: 110.321 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-01-26 20:36:41

End at: 2018-01-26 20:37:11

Below is generated by plot.py at 2018-01-26 22:59:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.83 Mbit/s

95th percentile per-packet one-way delay: 114.252 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 227.82 Mbit/s

95th percentile per-packet one-way delay: 113.222 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 144.28 Mbit/s

95th percentile per-packet one-way delay: 123.226 ms

Loss rate: 0.02%

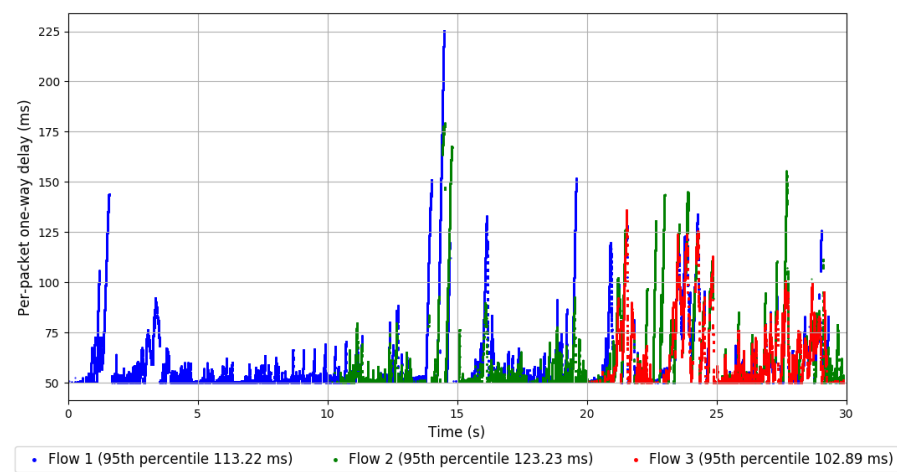
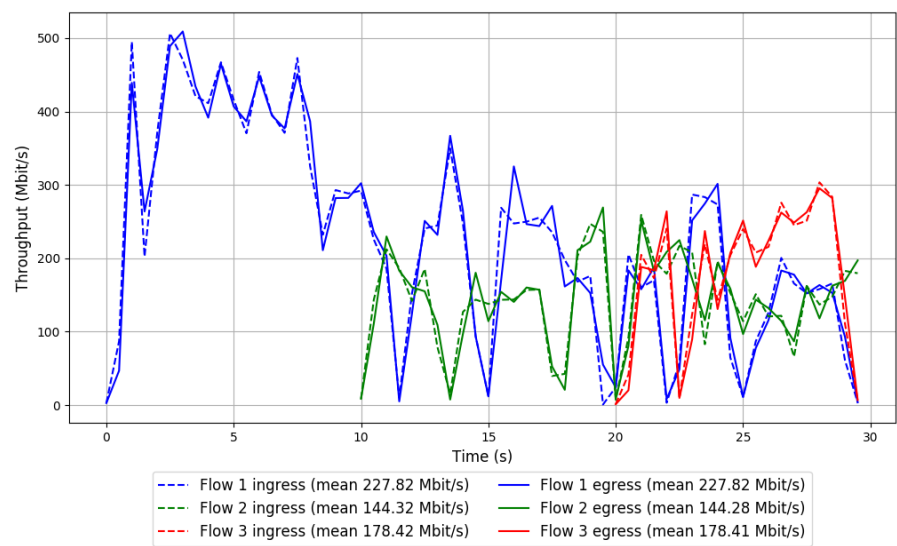
-- Flow 3:

Average throughput: 178.41 Mbit/s

95th percentile per-packet one-way delay: 102.885 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-26 20:51:01

End at: 2018-01-26 20:51:31

Below is generated by plot.py at 2018-01-26 23:00:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.05 Mbit/s

95th percentile per-packet one-way delay: 153.857 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 217.60 Mbit/s

95th percentile per-packet one-way delay: 141.303 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 193.91 Mbit/s

95th percentile per-packet one-way delay: 168.660 ms

Loss rate: 0.95%

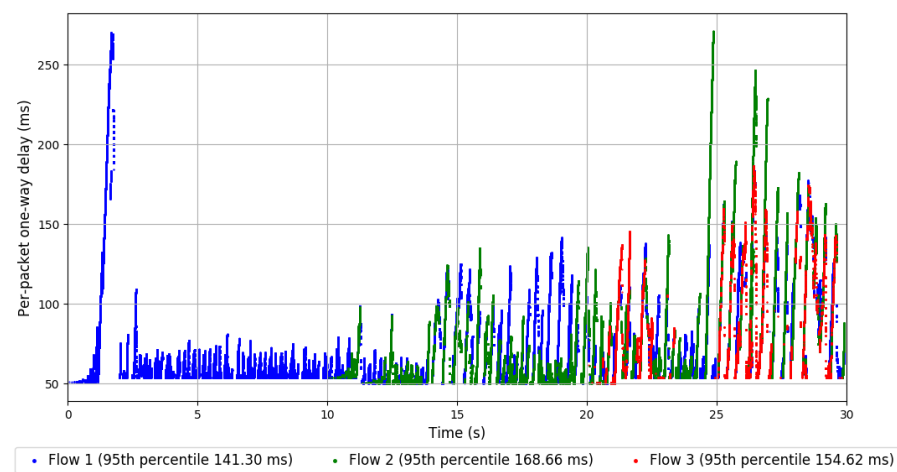
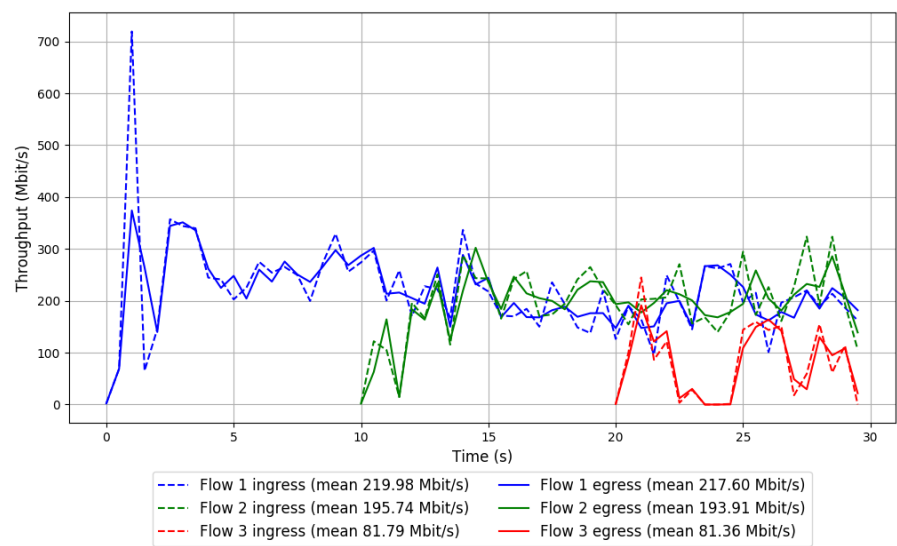
-- Flow 3:

Average throughput: 81.36 Mbit/s

95th percentile per-packet one-way delay: 154.623 ms

Loss rate: 0.60%

Run 10: Report of Verus — Data Link

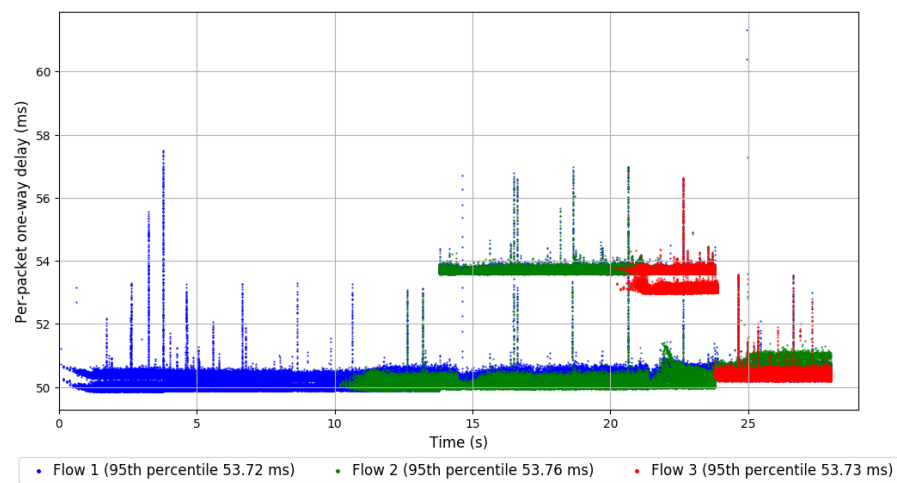
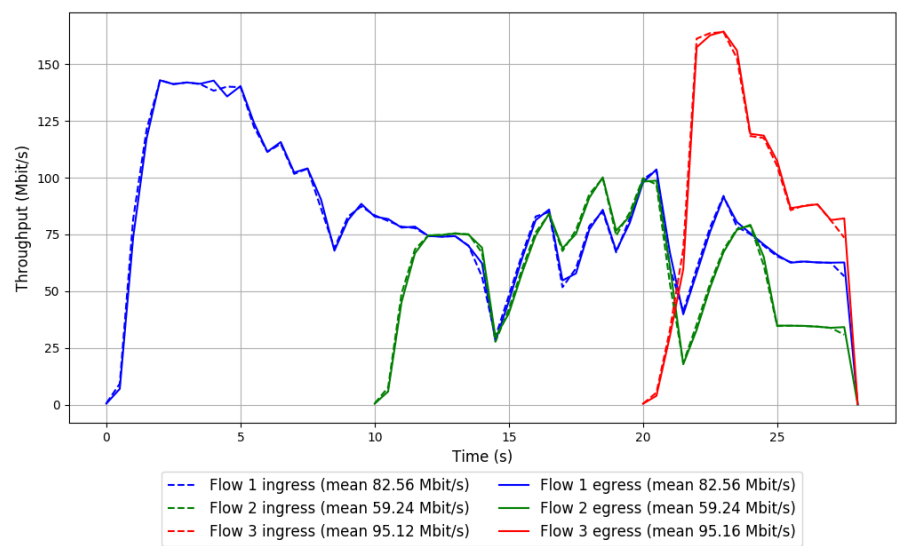


```
Run 1: Statistics of Copa

Start at: 2018-01-26 18:31:57
End at: 2018-01-26 18:32:27

# Below is generated by plot.py at 2018-01-26 23:00:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 147.52 Mbit/s
95th percentile per-packet one-way delay: 53.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.56 Mbit/s
95th percentile per-packet one-way delay: 53.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 53.761 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 53.734 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-26 18:46:09

End at: 2018-01-26 18:46:39

Below is generated by plot.py at 2018-01-26 23:00:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.11 Mbit/s

95th percentile per-packet one-way delay: 53.873 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.23 Mbit/s

95th percentile per-packet one-way delay: 53.965 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 53.784 ms

Loss rate: 0.00%

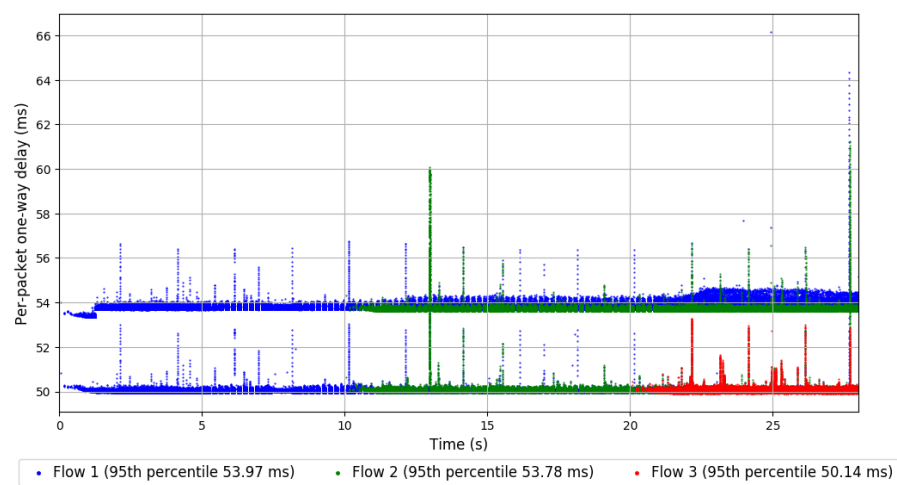
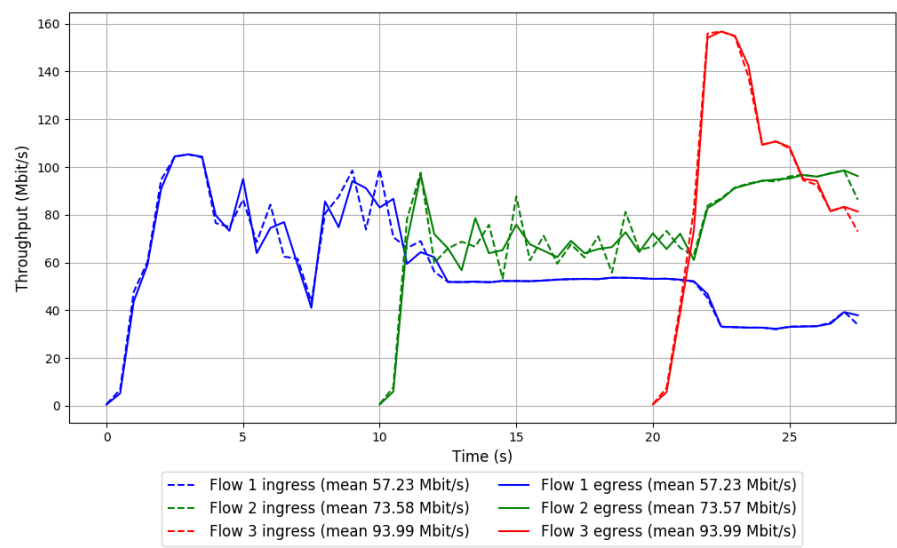
-- Flow 3:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 50.137 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-26 19:00:04

End at: 2018-01-26 19:00:34

Below is generated by plot.py at 2018-01-26 23:00:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 145.69 Mbit/s

95th percentile per-packet one-way delay: 53.837 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 82.73 Mbit/s

95th percentile per-packet one-way delay: 53.509 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 53.931 ms

Loss rate: 0.00%

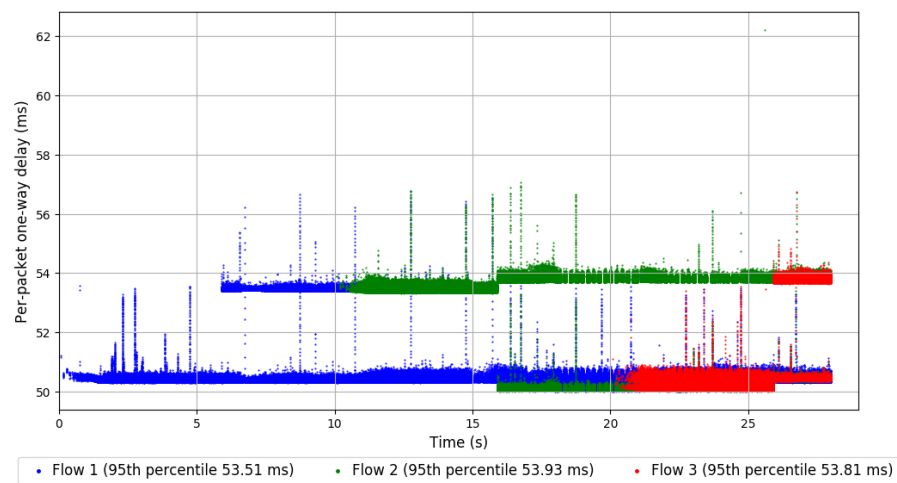
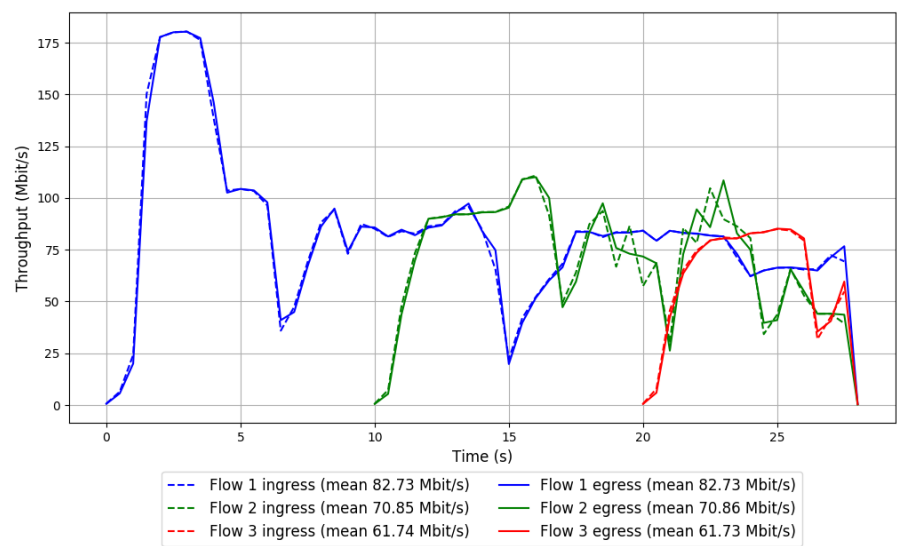
-- Flow 3:

Average throughput: 61.73 Mbit/s

95th percentile per-packet one-way delay: 53.815 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-26 19:14:45

End at: 2018-01-26 19:15:15

Below is generated by plot.py at 2018-01-26 23:00:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.81 Mbit/s

95th percentile per-packet one-way delay: 53.940 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 53.952 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 53.538 ms

Loss rate: 0.00%

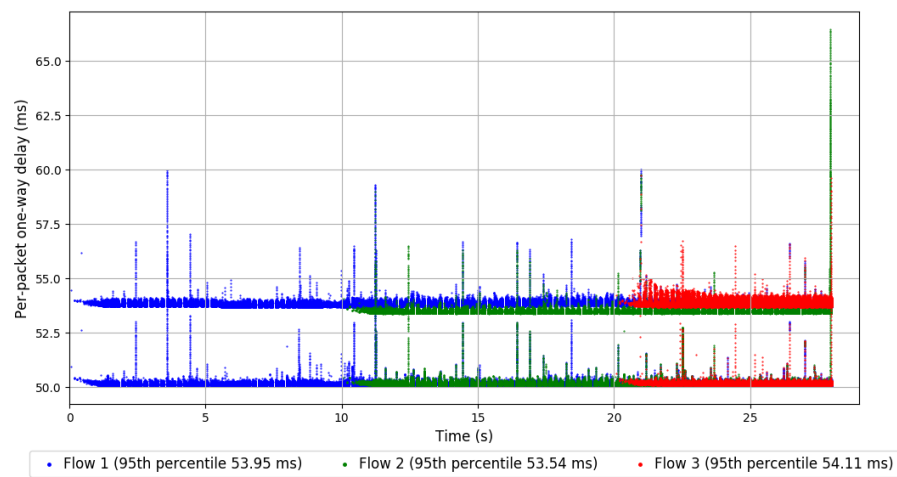
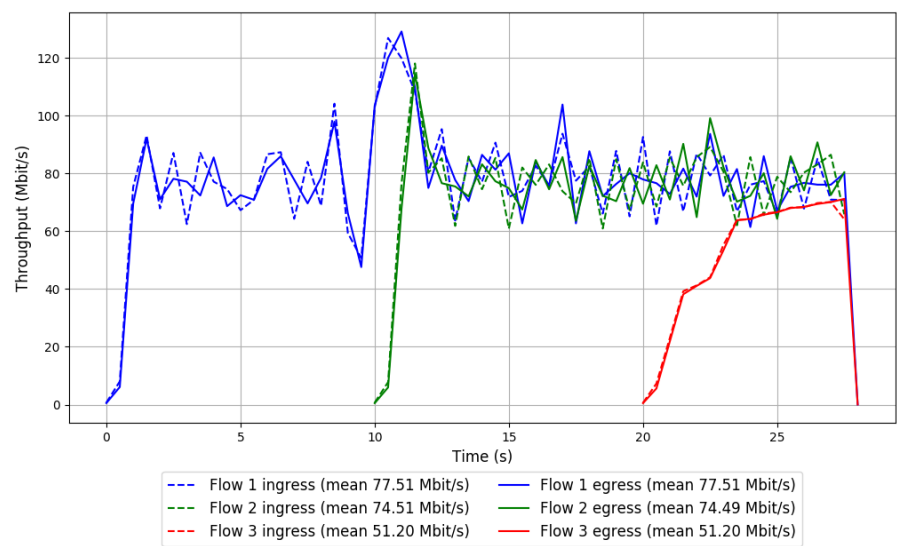
-- Flow 3:

Average throughput: 51.20 Mbit/s

95th percentile per-packet one-way delay: 54.112 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-26 19:28:29

End at: 2018-01-26 19:28:59

Below is generated by plot.py at 2018-01-26 23:01:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 168.16 Mbit/s

95th percentile per-packet one-way delay: 53.923 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 53.878 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 75.00 Mbit/s

95th percentile per-packet one-way delay: 53.905 ms

Loss rate: 0.00%

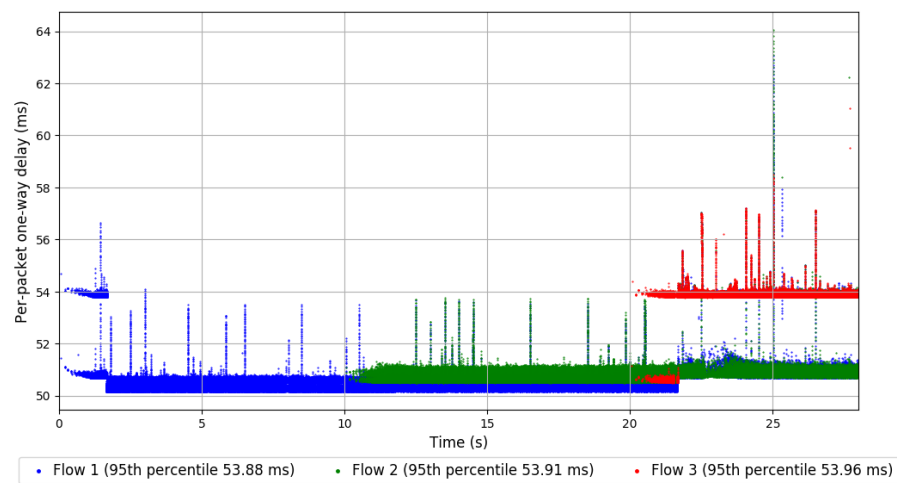
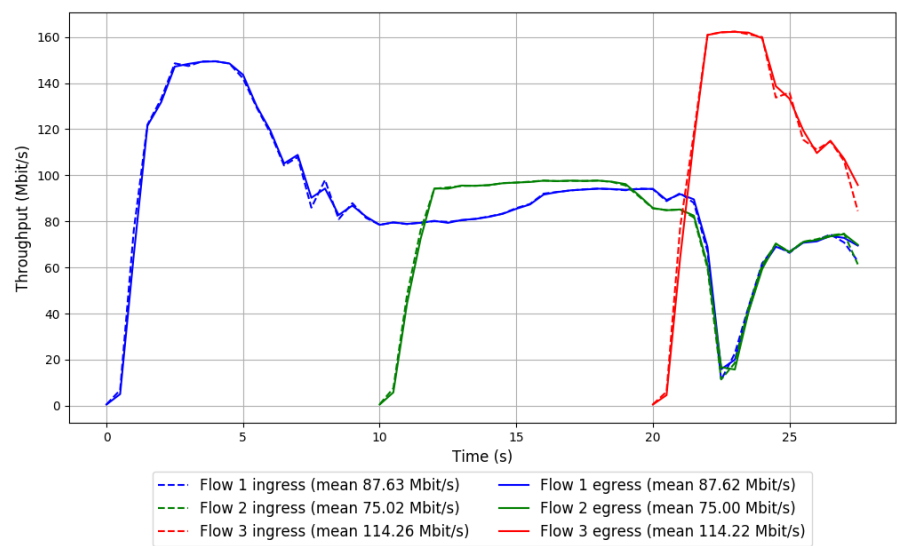
-- Flow 3:

Average throughput: 114.22 Mbit/s

95th percentile per-packet one-way delay: 53.963 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-26 19:42:58

End at: 2018-01-26 19:43:28

Below is generated by plot.py at 2018-01-26 23:01:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.44 Mbit/s

95th percentile per-packet one-way delay: 53.945 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.55 Mbit/s

95th percentile per-packet one-way delay: 53.941 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 77.79 Mbit/s

95th percentile per-packet one-way delay: 50.738 ms

Loss rate: 0.00%

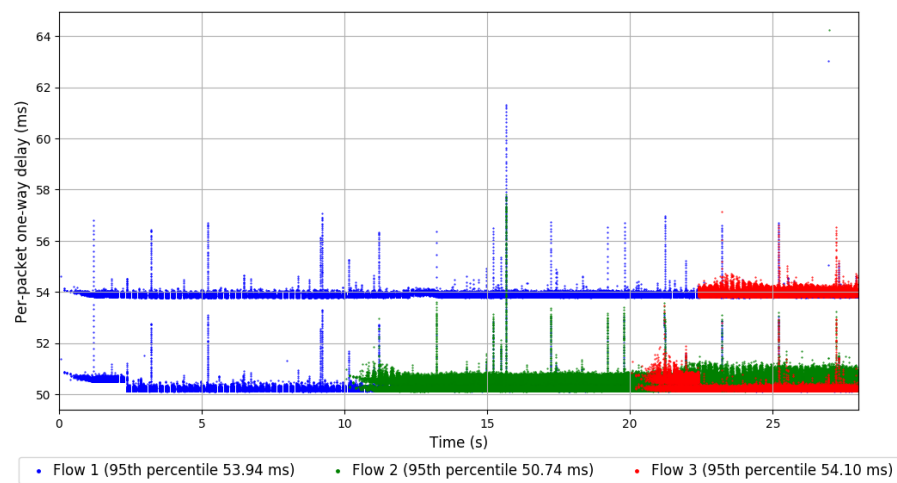
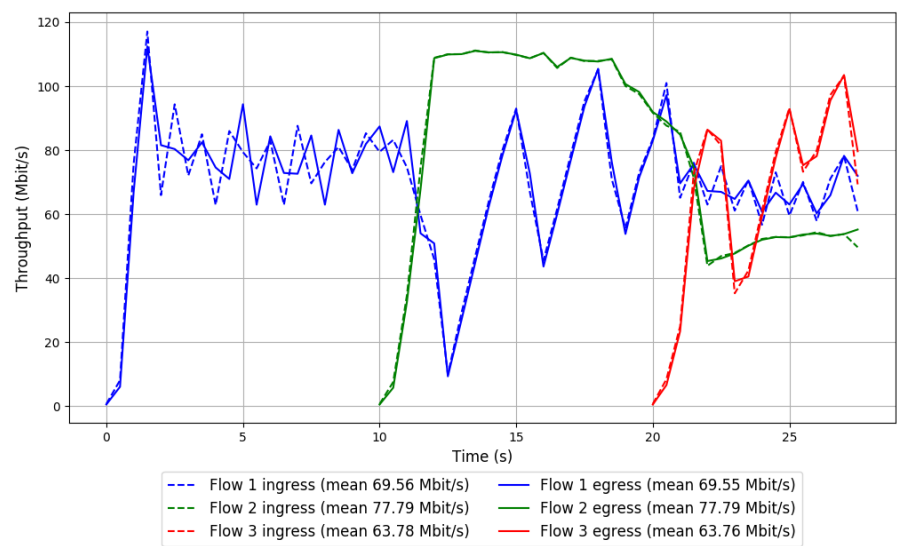
-- Flow 3:

Average throughput: 63.76 Mbit/s

95th percentile per-packet one-way delay: 54.104 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-26 19:56:55

End at: 2018-01-26 19:57:25

Below is generated by plot.py at 2018-01-26 23:02:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.82 Mbit/s

95th percentile per-packet one-way delay: 53.952 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.38 Mbit/s

95th percentile per-packet one-way delay: 54.033 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 80.89 Mbit/s

95th percentile per-packet one-way delay: 50.634 ms

Loss rate: 0.00%

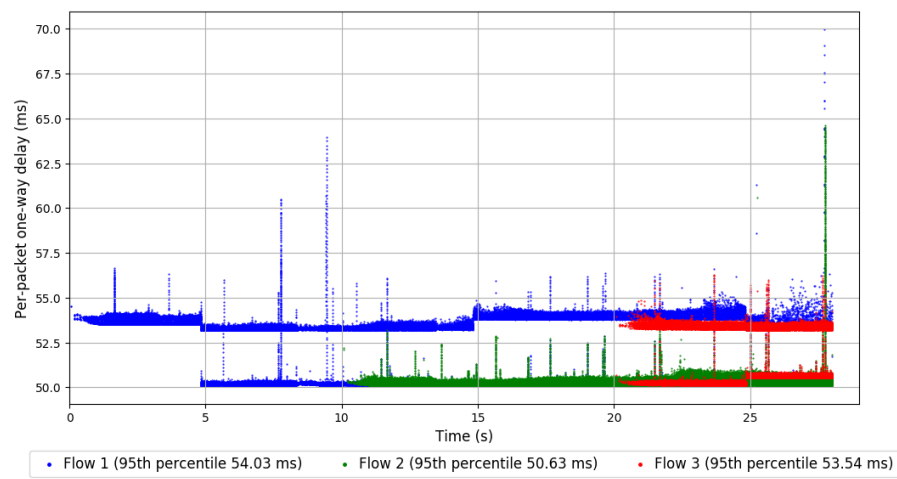
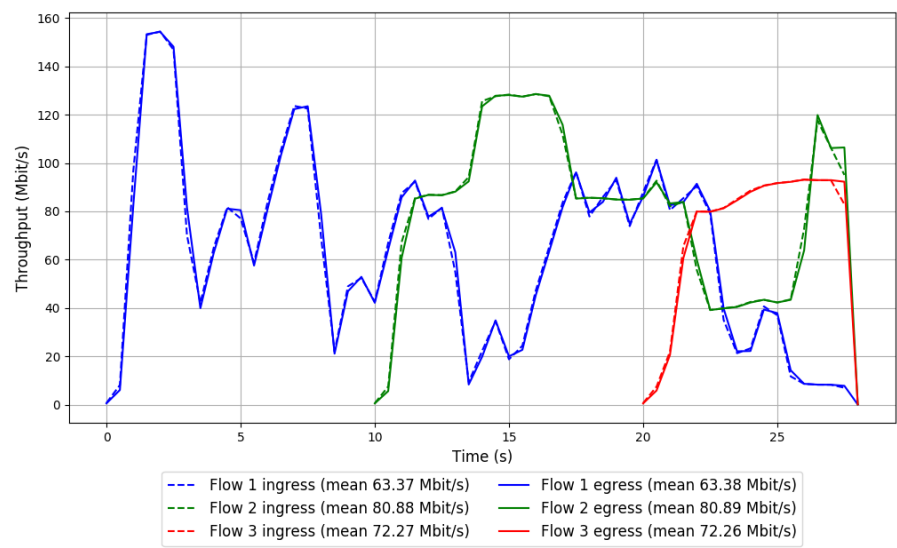
-- Flow 3:

Average throughput: 72.26 Mbit/s

95th percentile per-packet one-way delay: 53.541 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-26 20:11:22

End at: 2018-01-26 20:11:52

Below is generated by plot.py at 2018-01-26 23:02:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.25 Mbit/s

95th percentile per-packet one-way delay: 53.984 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.53 Mbit/s

95th percentile per-packet one-way delay: 53.996 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.78 Mbit/s

95th percentile per-packet one-way delay: 53.998 ms

Loss rate: 0.00%

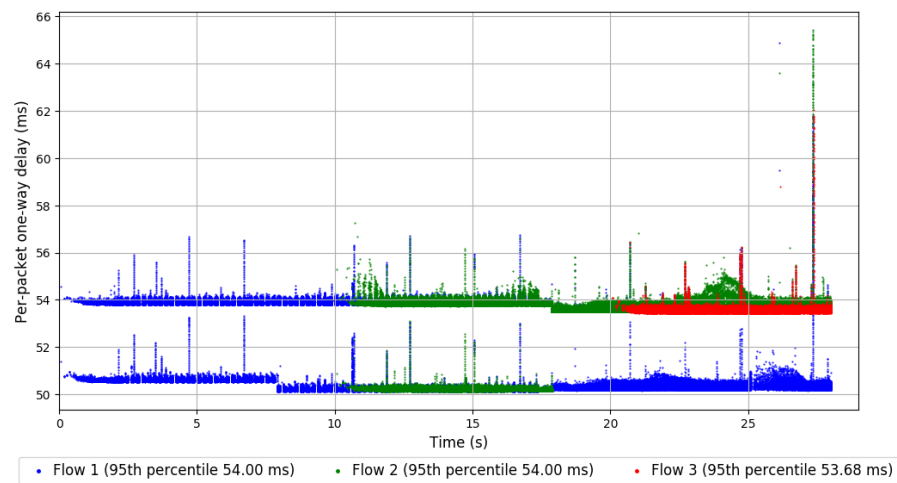
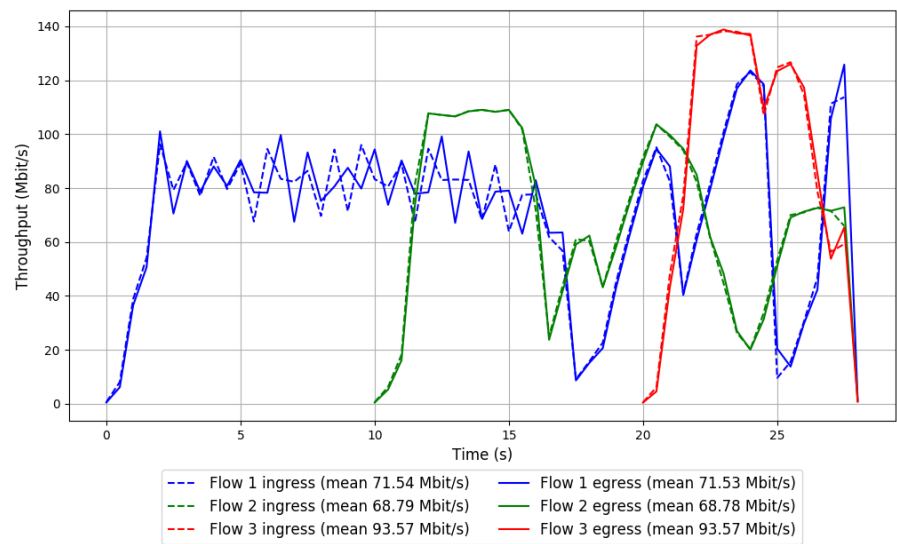
-- Flow 3:

Average throughput: 93.57 Mbit/s

95th percentile per-packet one-way delay: 53.679 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-01-26 20:25:28

End at: 2018-01-26 20:25:58

Below is generated by plot.py at 2018-01-26 23:03:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 162.72 Mbit/s

95th percentile per-packet one-way delay: 53.898 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 53.953 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.20 Mbit/s

95th percentile per-packet one-way delay: 53.642 ms

Loss rate: 0.00%

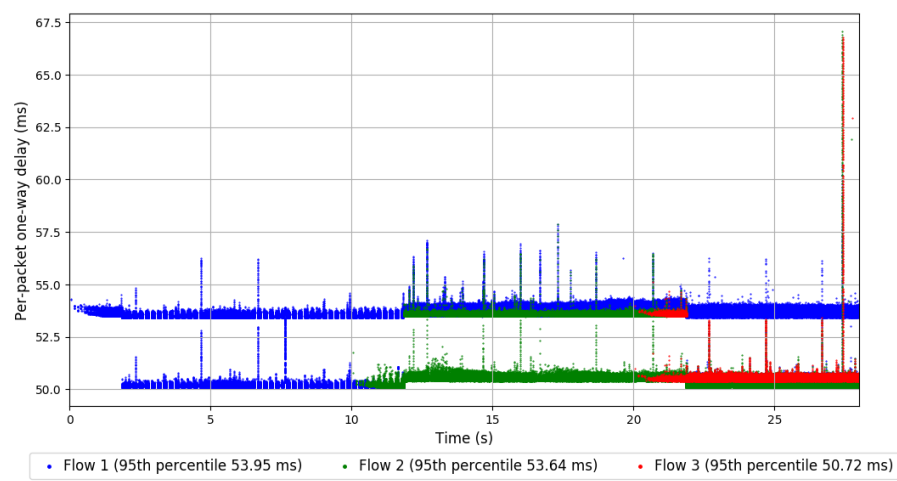
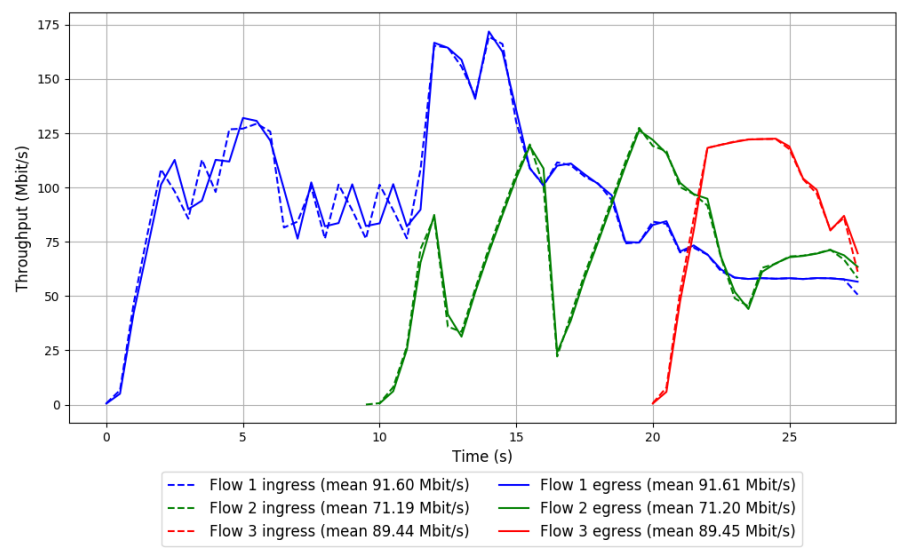
-- Flow 3:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 50.720 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-01-26 20:39:30

End at: 2018-01-26 20:40:00

Below is generated by plot.py at 2018-01-26 23:03:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 152.92 Mbit/s

95th percentile per-packet one-way delay: 53.854 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 53.607 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 69.23 Mbit/s

95th percentile per-packet one-way delay: 53.974 ms

Loss rate: 0.00%

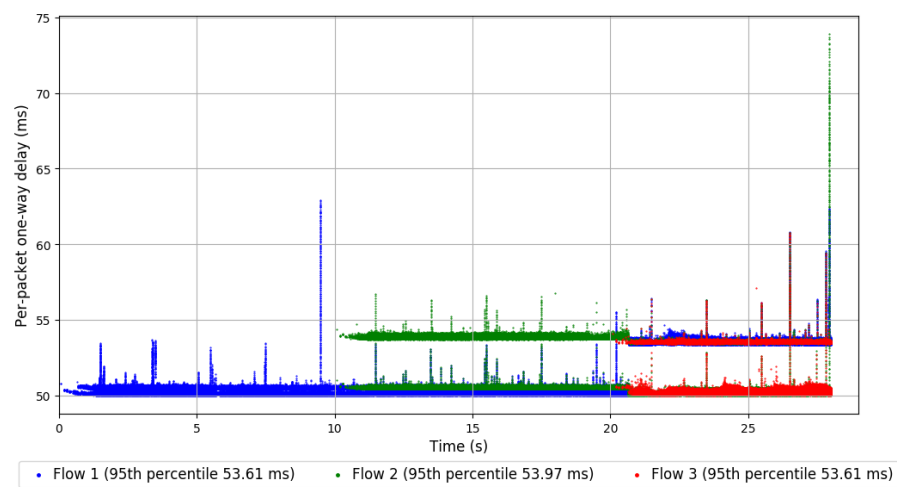
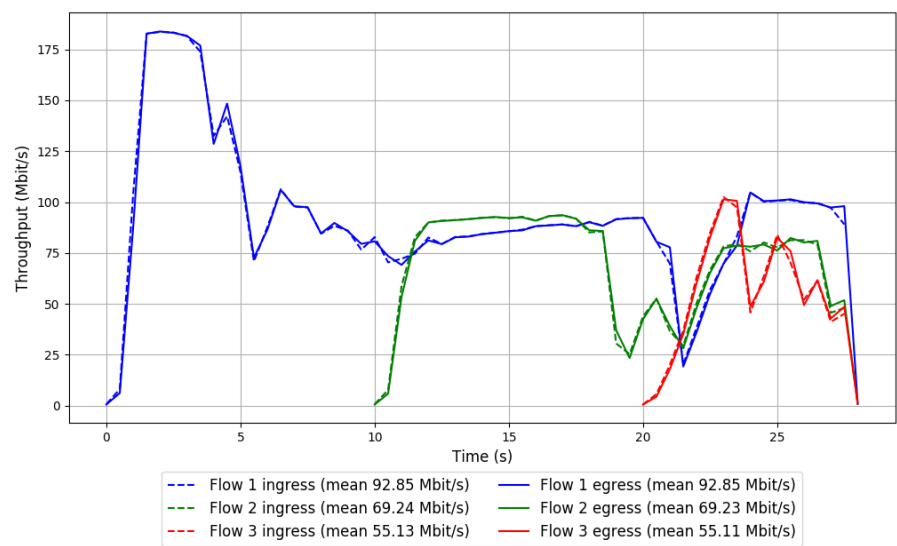
-- Flow 3:

Average throughput: 55.11 Mbit/s

95th percentile per-packet one-way delay: 53.609 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

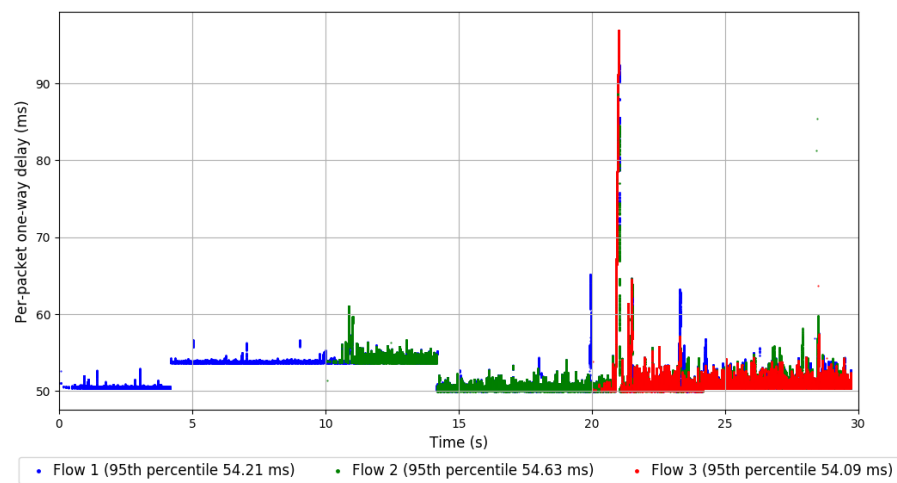
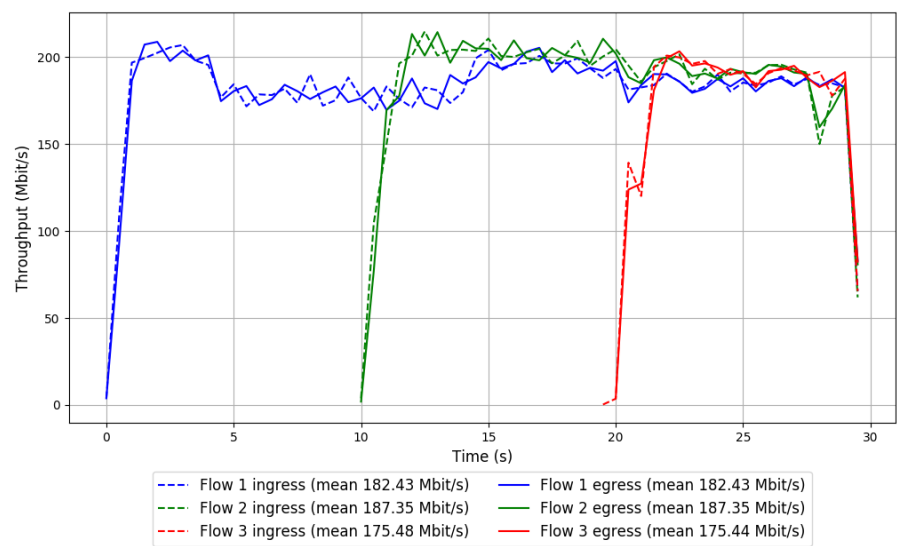


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 18:35:38
End at: 2018-01-26 18:36:08

# Below is generated by plot.py at 2018-01-26 23:05:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 363.89 Mbit/s
95th percentile per-packet one-way delay: 54.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.43 Mbit/s
95th percentile per-packet one-way delay: 54.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 187.35 Mbit/s
95th percentile per-packet one-way delay: 54.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.44 Mbit/s
95th percentile per-packet one-way delay: 54.090 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo-2-256 — Data Link

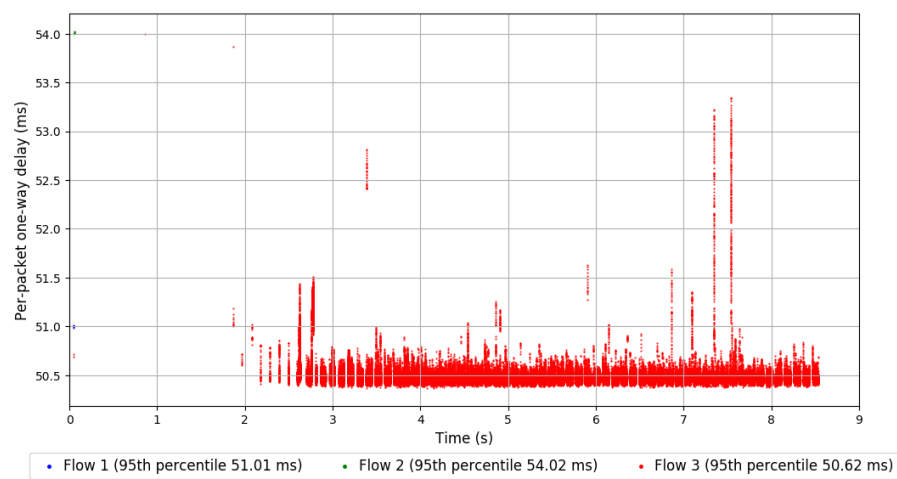
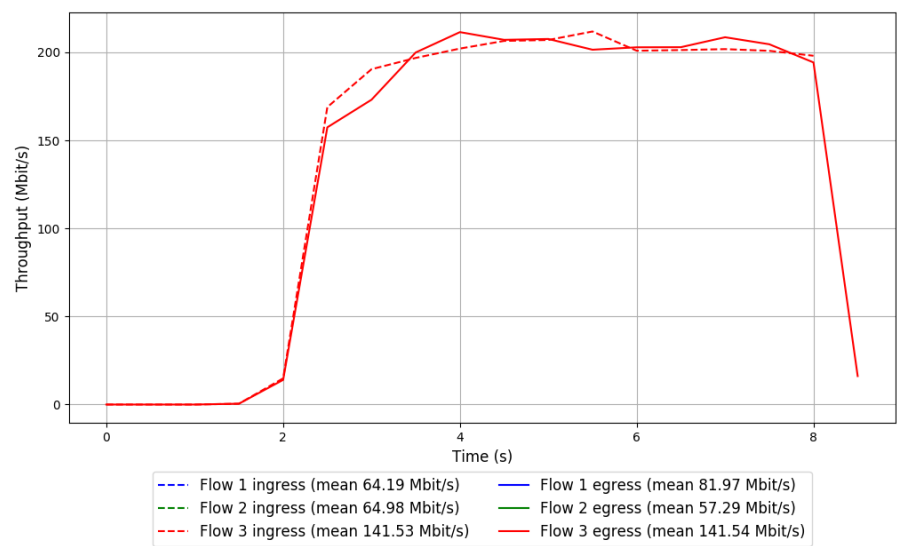


Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 18:49:50

End at: 2018-01-26 18:50:20

Run 2: Report of Indigo-2-256 — Data Link



Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 19:03:46

End at: 2018-01-26 19:04:16

Below is generated by plot.py at 2018-01-26 23:06:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.84 Mbit/s

95th percentile per-packet one-way delay: 55.990 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 183.74 Mbit/s

95th percentile per-packet one-way delay: 55.402 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 182.41 Mbit/s

95th percentile per-packet one-way delay: 56.165 ms

Loss rate: 0.00%

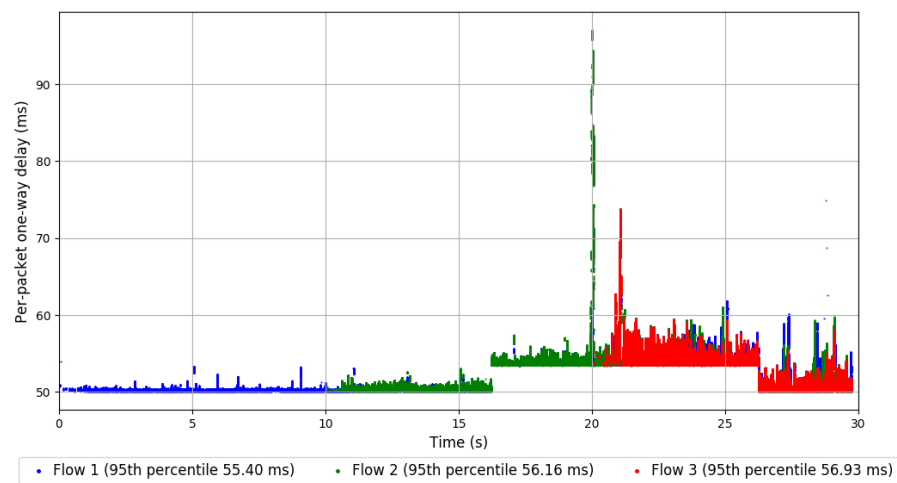
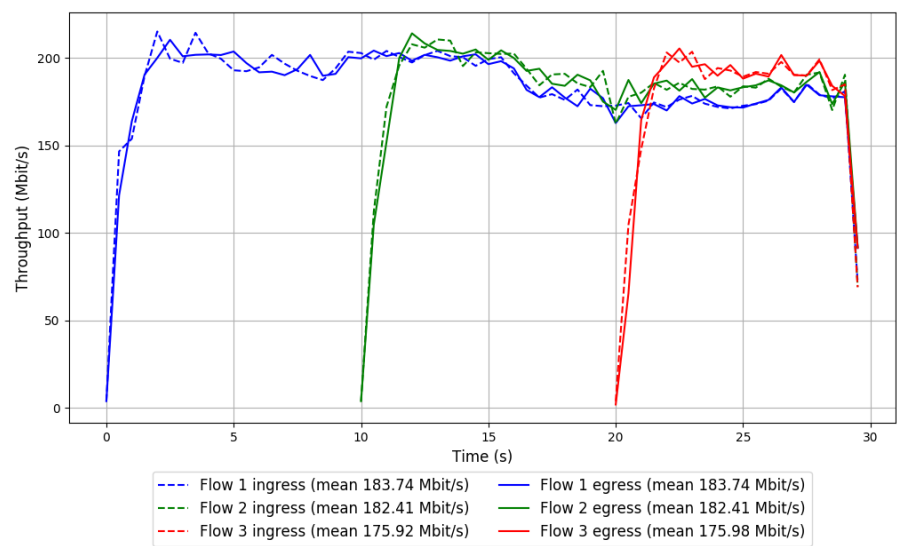
-- Flow 3:

Average throughput: 175.98 Mbit/s

95th percentile per-packet one-way delay: 56.927 ms

Loss rate: 0.00%

Run 3: Report of Indigo-2-256 — Data Link



Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 19:18:24

End at: 2018-01-26 19:18:54

Run 4: Report of Indigo-2-256 — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 19:32:13

End at: 2018-01-26 19:32:43

Below is generated by plot.py at 2018-01-26 23:06:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 363.02 Mbit/s

95th percentile per-packet one-way delay: 54.395 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 192.32 Mbit/s

95th percentile per-packet one-way delay: 54.166 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 170.97 Mbit/s

95th percentile per-packet one-way delay: 54.429 ms

Loss rate: 0.00%

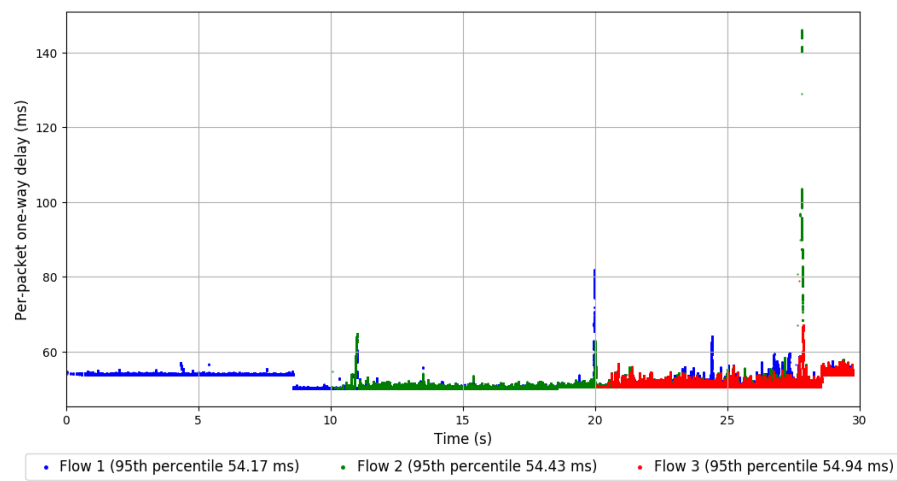
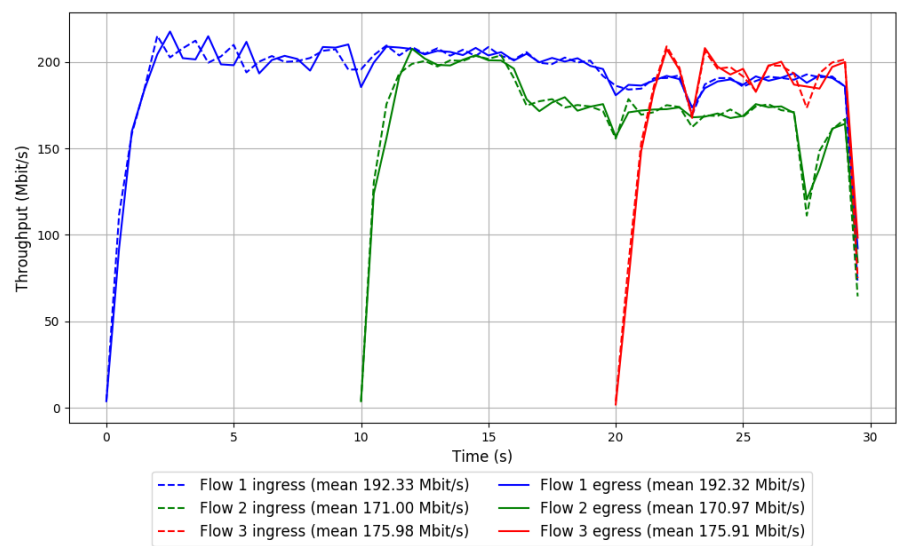
-- Flow 3:

Average throughput: 175.91 Mbit/s

95th percentile per-packet one-way delay: 54.944 ms

Loss rate: 0.00%

Run 5: Report of Indigo-2-256 — Data Link

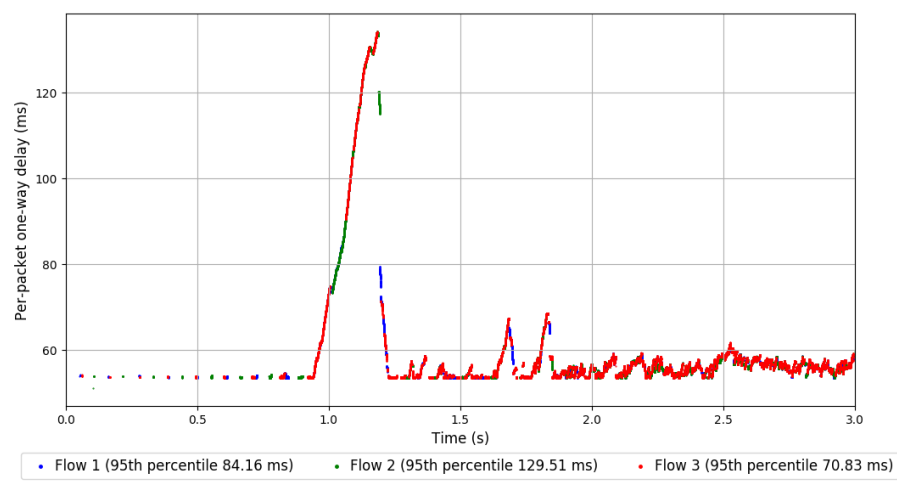
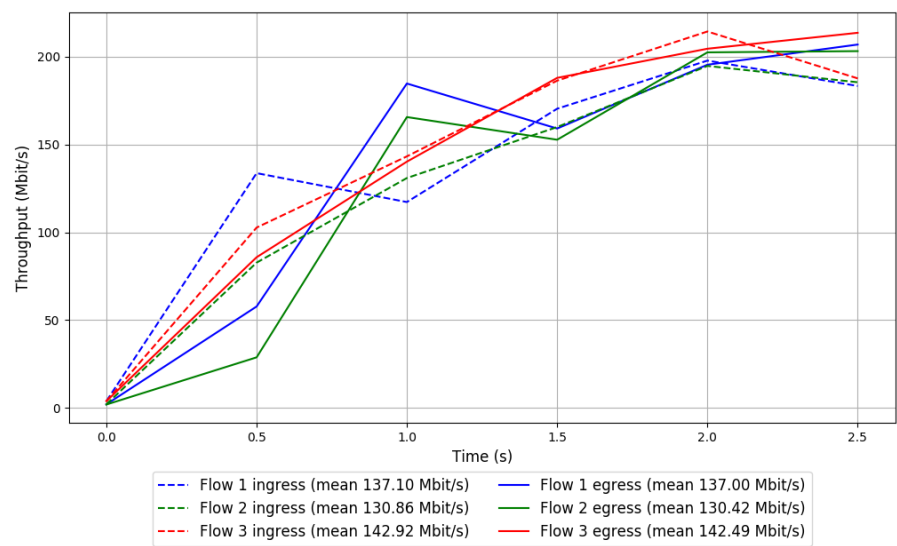


Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 19:46:36

End at: 2018-01-26 19:47:06

Run 6: Report of Indigo-2-256 — Data Link

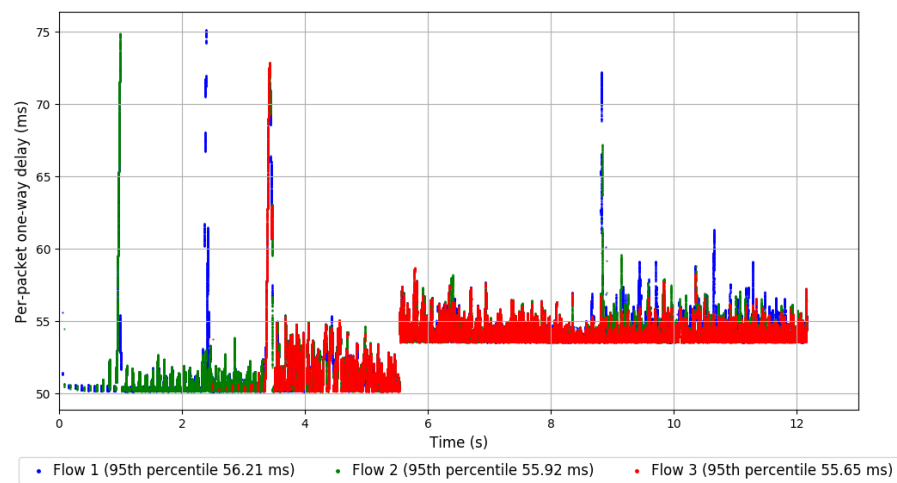
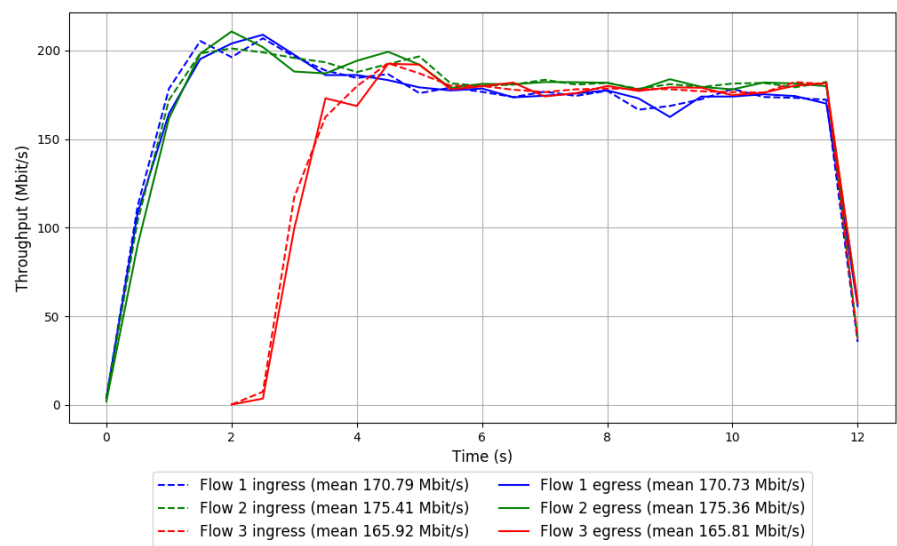


Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 20:00:39

End at: 2018-01-26 20:01:09

Run 7: Report of Indigo-2-256 — Data Link



Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 20:15:05

End at: 2018-01-26 20:15:35

Below is generated by plot.py at 2018-01-26 23:07:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.34 Mbit/s

95th percentile per-packet one-way delay: 56.489 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 176.14 Mbit/s

95th percentile per-packet one-way delay: 55.784 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.22 Mbit/s

95th percentile per-packet one-way delay: 57.102 ms

Loss rate: 0.03%

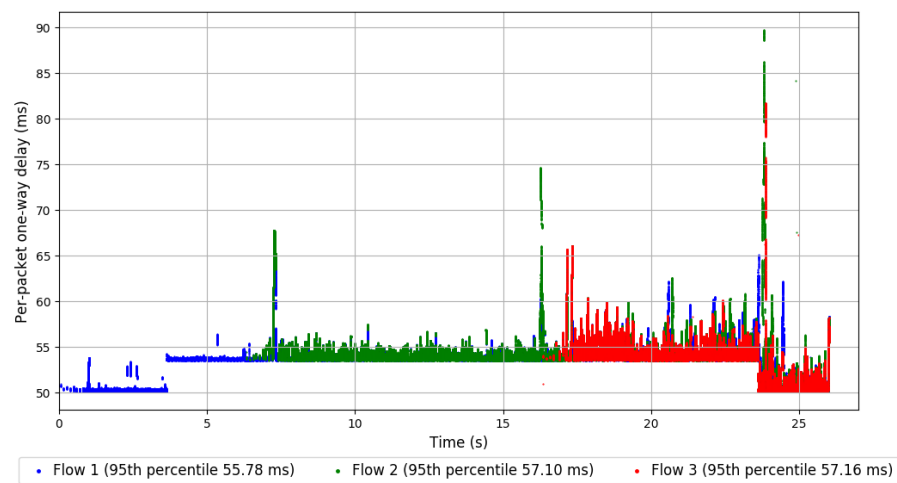
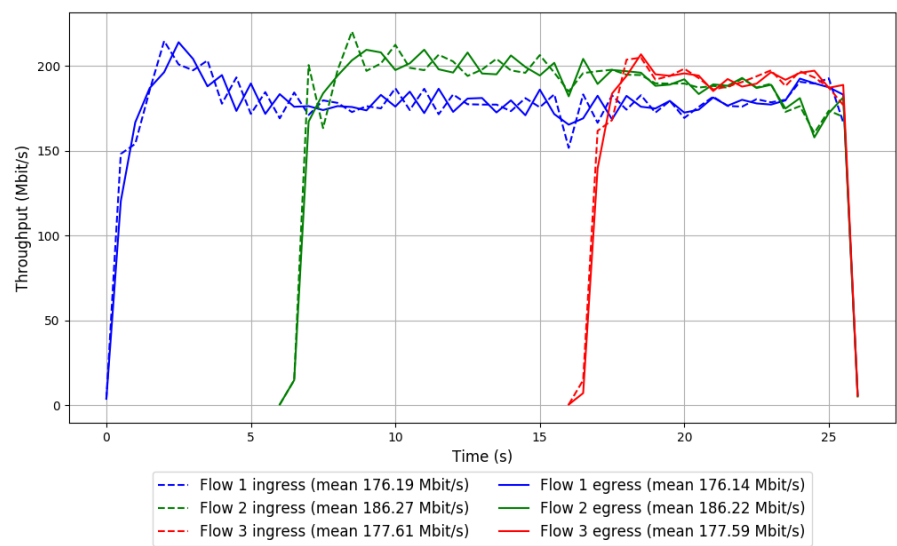
-- Flow 3:

Average throughput: 177.59 Mbit/s

95th percentile per-packet one-way delay: 57.159 ms

Loss rate: 0.01%

Run 8: Report of Indigo-2-256 — Data Link

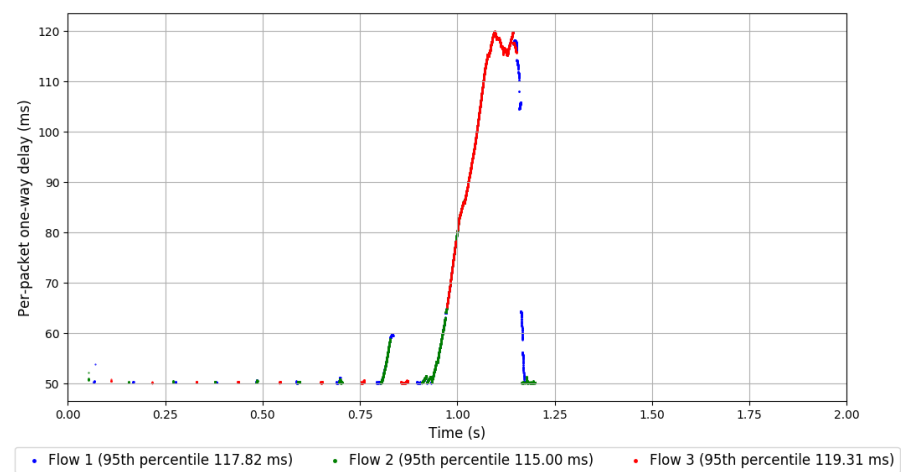
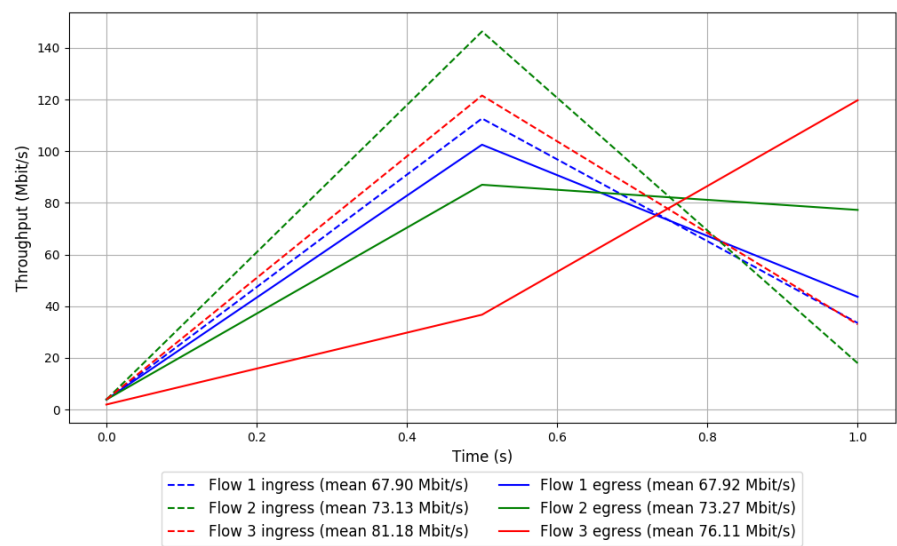


Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 20:29:11

End at: 2018-01-26 20:29:41

Run 9: Report of Indigo-2-256 — Data Link

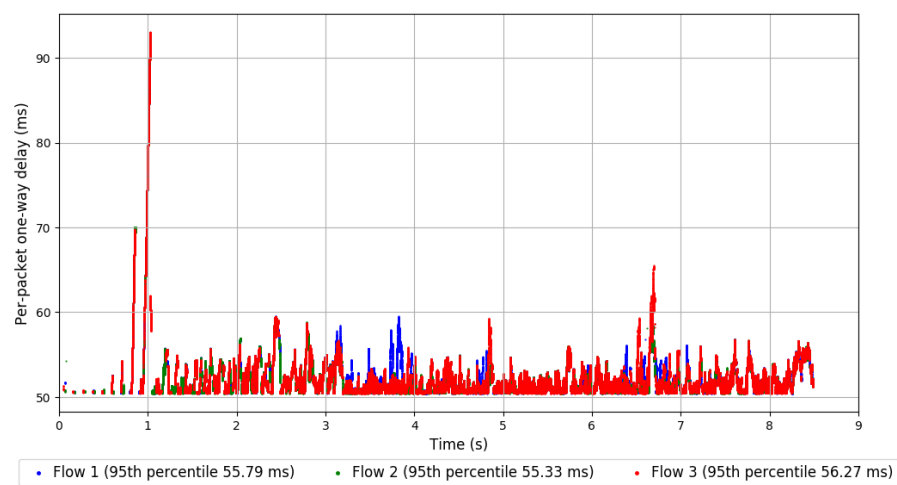
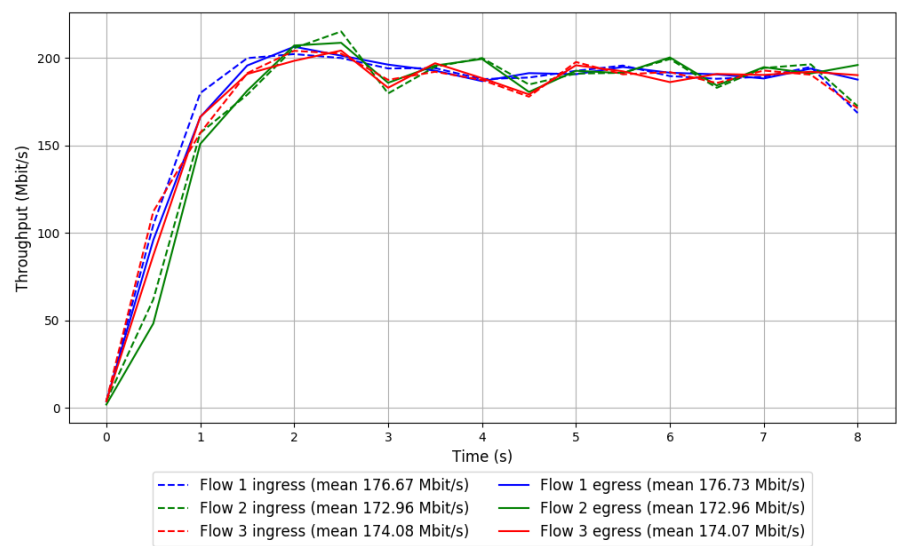


Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 20:43:15

End at: 2018-01-26 20:43:45

Run 10: Report of Indigo-2-256 — Data Link

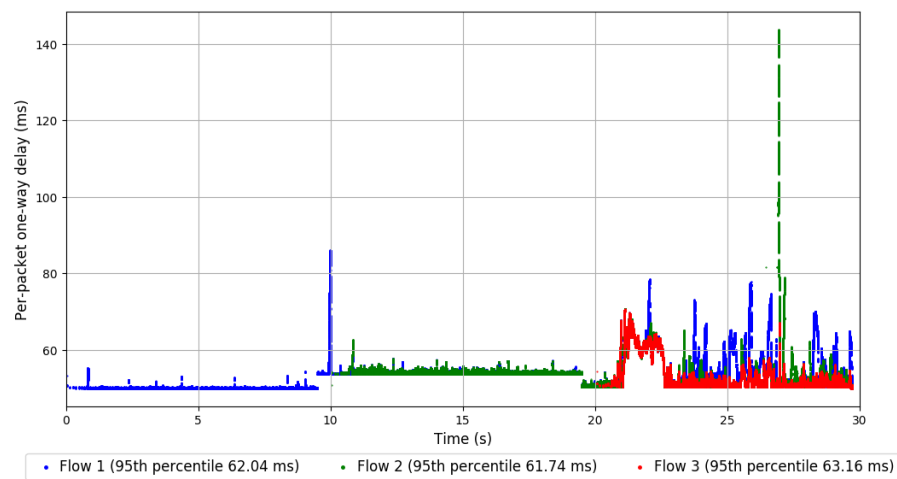
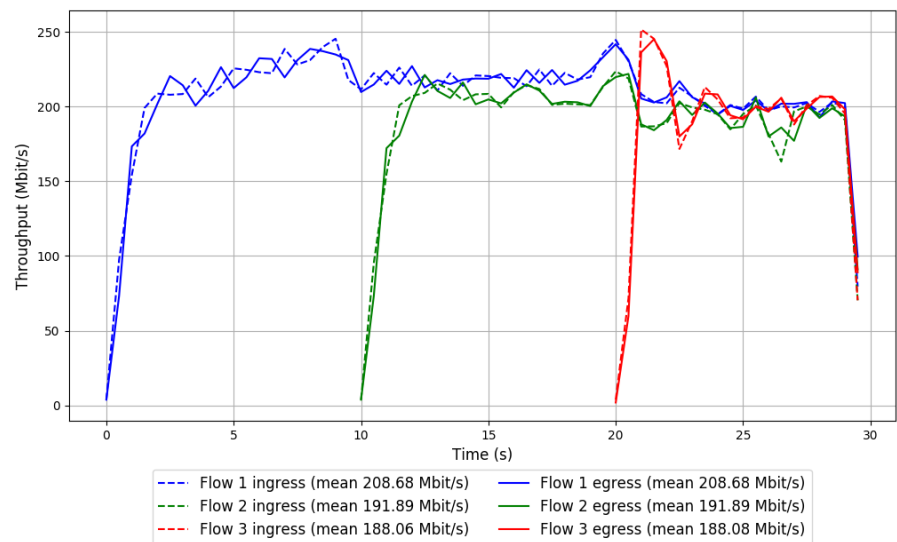


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-26 18:36:43
End at: 2018-01-26 18:37:13

# Below is generated by plot.py at 2018-01-26 23:09:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 397.14 Mbit/s
95th percentile per-packet one-way delay: 62.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.68 Mbit/s
95th percentile per-packet one-way delay: 62.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 191.89 Mbit/s
95th percentile per-packet one-way delay: 61.739 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 188.08 Mbit/s
95th percentile per-packet one-way delay: 63.165 ms
Loss rate: 0.00%
```

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

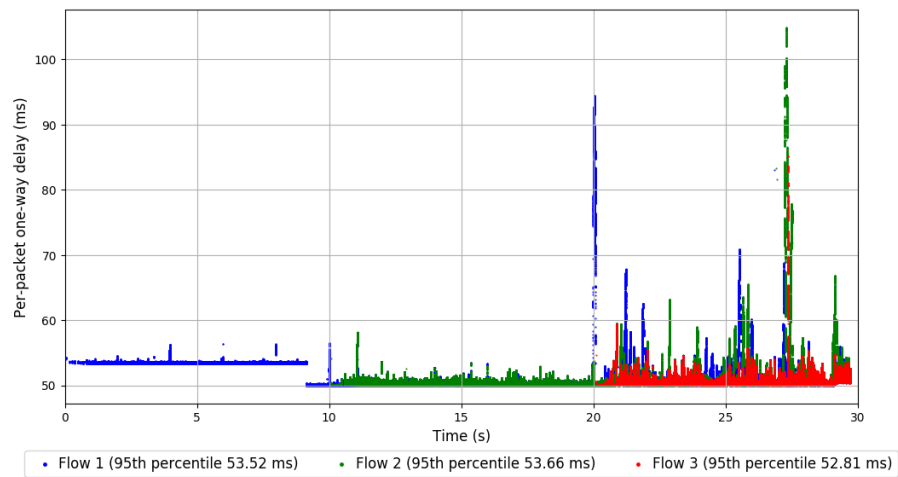
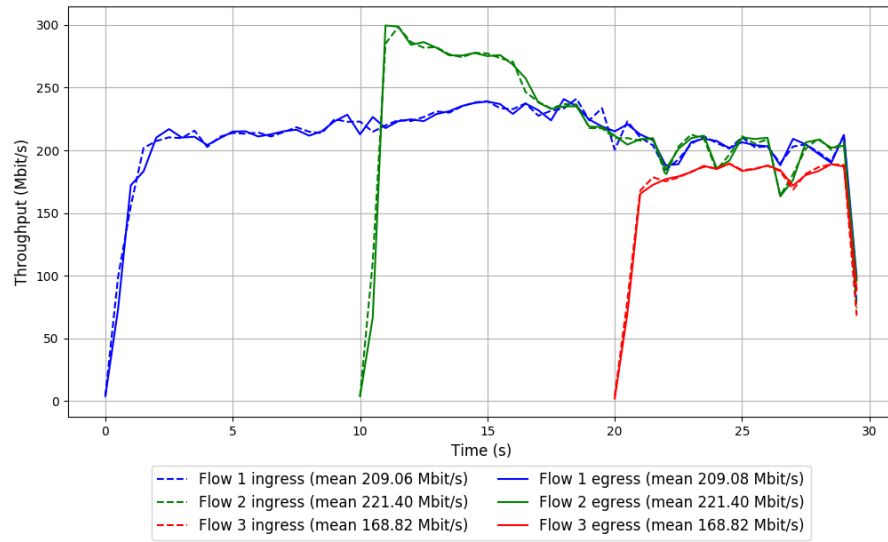


```
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-26 18:50:33
End at: 2018-01-26 18:51:03

# Below is generated by plot.py at 2018-01-26 23:10:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 410.61 Mbit/s
95th percentile per-packet one-way delay: 53.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.08 Mbit/s
95th percentile per-packet one-way delay: 53.525 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.40 Mbit/s
95th percentile per-packet one-way delay: 53.665 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.82 Mbit/s
95th percentile per-packet one-way delay: 52.812 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-26 19:04:50

End at: 2018-01-26 19:05:20

Below is generated by plot.py at 2018-01-26 23:11:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 422.00 Mbit/s

95th percentile per-packet one-way delay: 54.773 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 218.96 Mbit/s

95th percentile per-packet one-way delay: 54.057 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 225.52 Mbit/s

95th percentile per-packet one-way delay: 55.486 ms

Loss rate: 0.04%

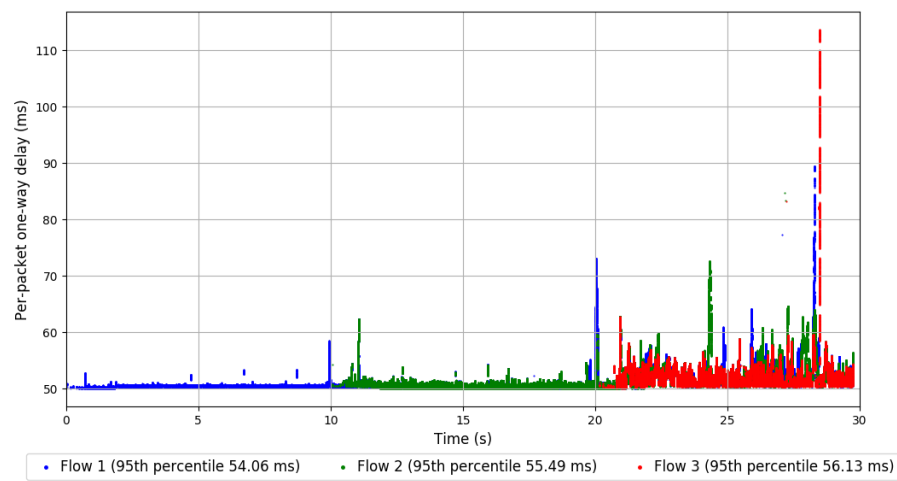
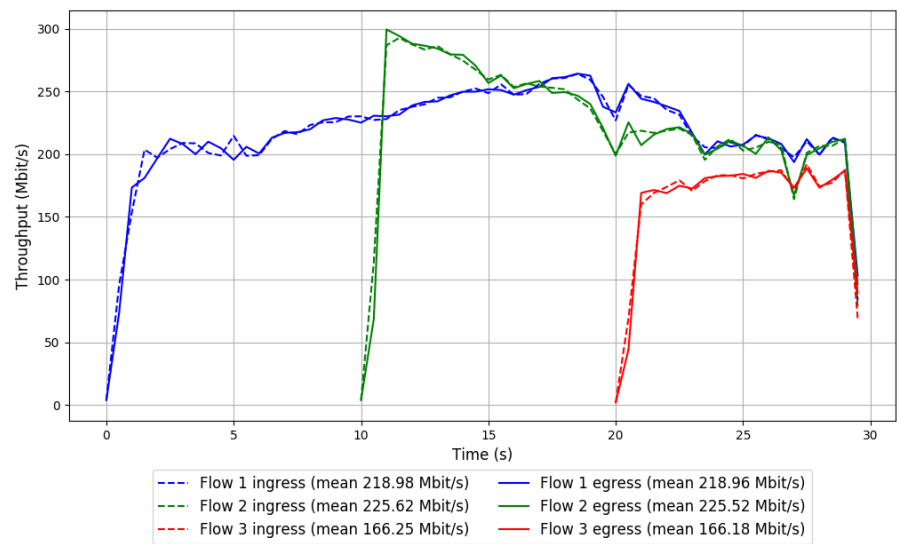
-- Flow 3:

Average throughput: 166.18 Mbit/s

95th percentile per-packet one-way delay: 56.129 ms

Loss rate: 0.03%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-26 19:19:05

End at: 2018-01-26 19:19:35

Below is generated by plot.py at 2018-01-26 23:11:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 406.55 Mbit/s

95th percentile per-packet one-way delay: 57.534 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 212.26 Mbit/s

95th percentile per-packet one-way delay: 55.743 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 194.86 Mbit/s

95th percentile per-packet one-way delay: 58.850 ms

Loss rate: 0.00%

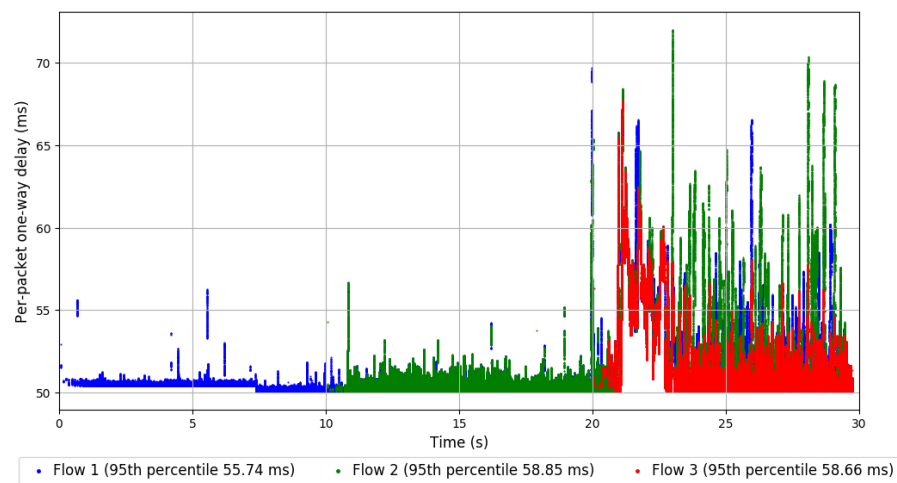
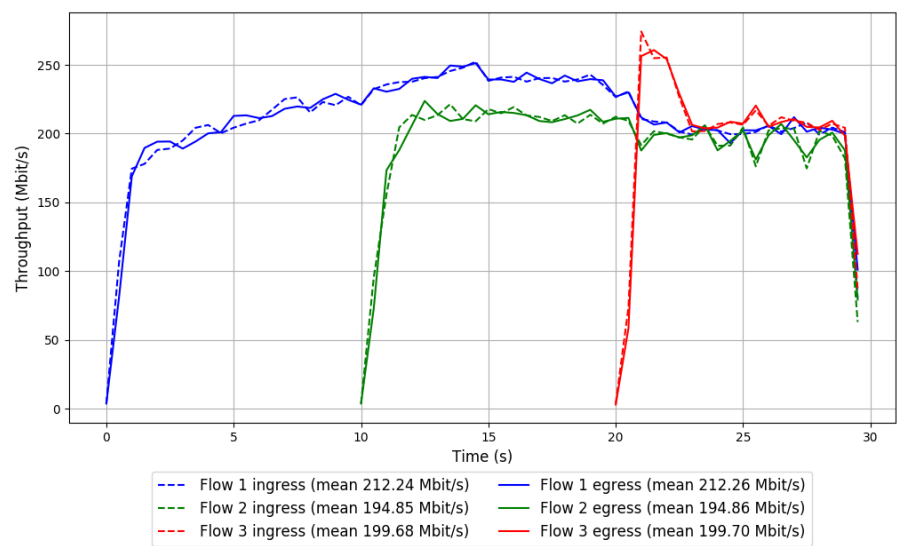
-- Flow 3:

Average throughput: 199.70 Mbit/s

95th percentile per-packet one-way delay: 58.656 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-26 19:33:18

End at: 2018-01-26 19:33:48

Below is generated by plot.py at 2018-01-26 23:12:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 401.97 Mbit/s

95th percentile per-packet one-way delay: 54.805 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 210.95 Mbit/s

95th percentile per-packet one-way delay: 54.024 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 198.39 Mbit/s

95th percentile per-packet one-way delay: 55.171 ms

Loss rate: 0.37%

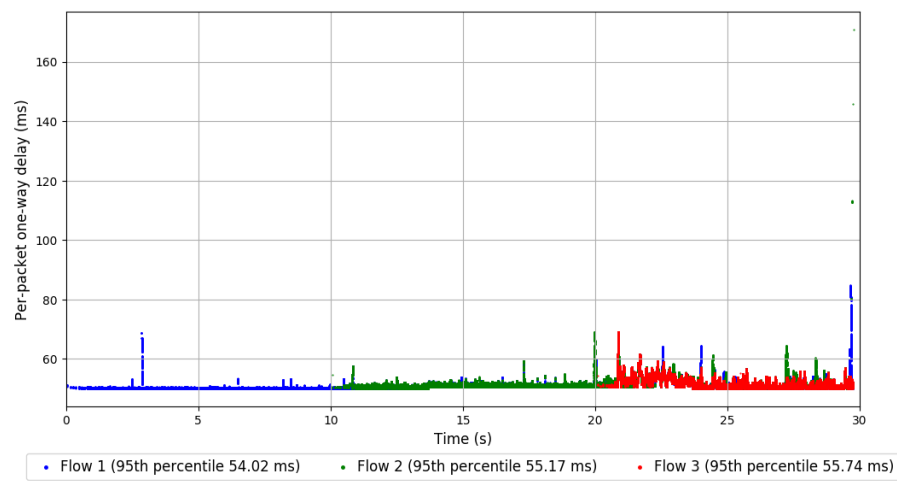
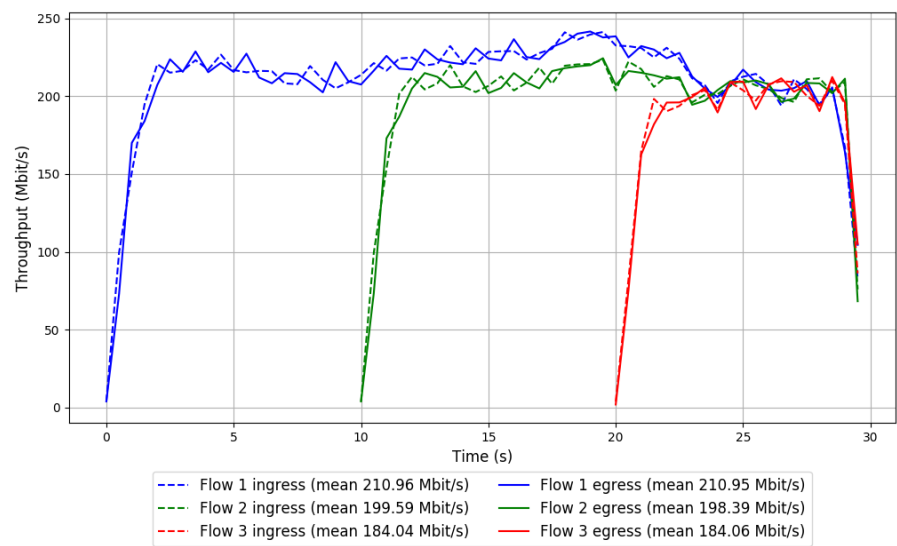
-- Flow 3:

Average throughput: 184.06 Mbit/s

95th percentile per-packet one-way delay: 55.739 ms

Loss rate: 0.01%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-01-26 19:47:19

End at: 2018-01-26 19:47:49

Below is generated by plot.py at 2018-01-26 23:13:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 423.75 Mbit/s

95th percentile per-packet one-way delay: 58.823 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 213.37 Mbit/s

95th percentile per-packet one-way delay: 56.475 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 229.96 Mbit/s

95th percentile per-packet one-way delay: 62.392 ms

Loss rate: 0.00%

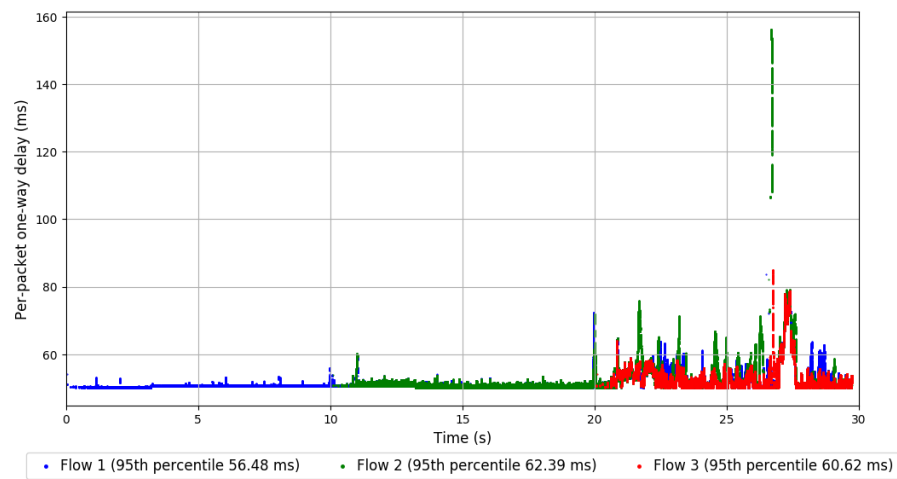
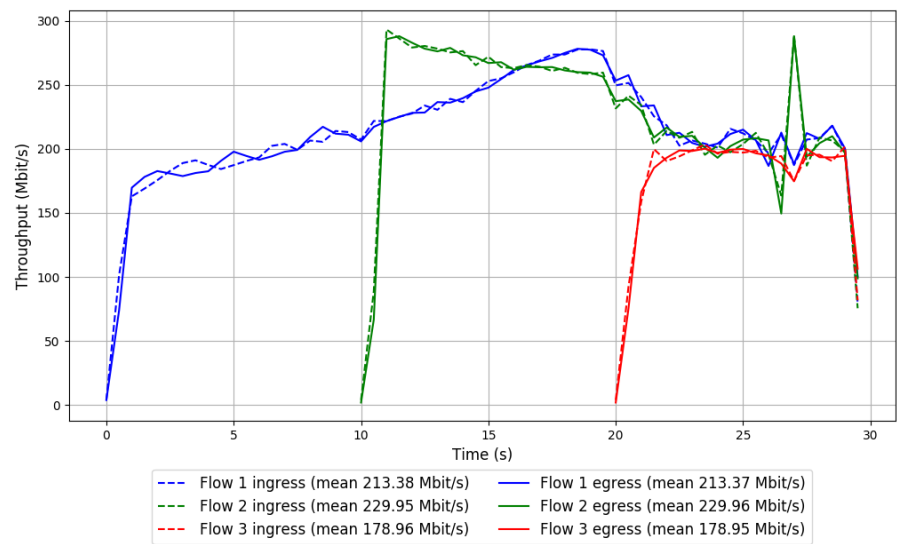
-- Flow 3:

Average throughput: 178.95 Mbit/s

95th percentile per-packet one-way delay: 60.616 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-01-26 20:01:33

End at: 2018-01-26 20:02:03

Below is generated by plot.py at 2018-01-26 23:13:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 401.31 Mbit/s

95th percentile per-packet one-way delay: 57.199 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 213.85 Mbit/s

95th percentile per-packet one-way delay: 56.530 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 194.67 Mbit/s

95th percentile per-packet one-way delay: 57.475 ms

Loss rate: 0.00%

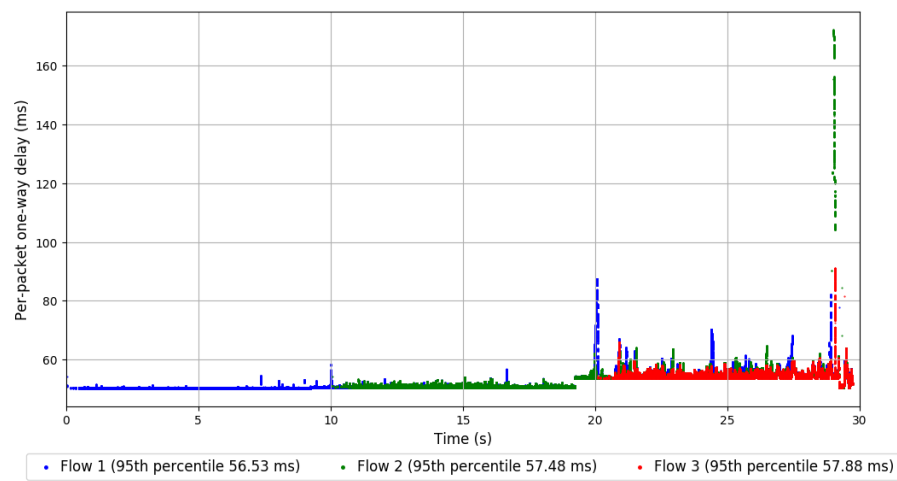
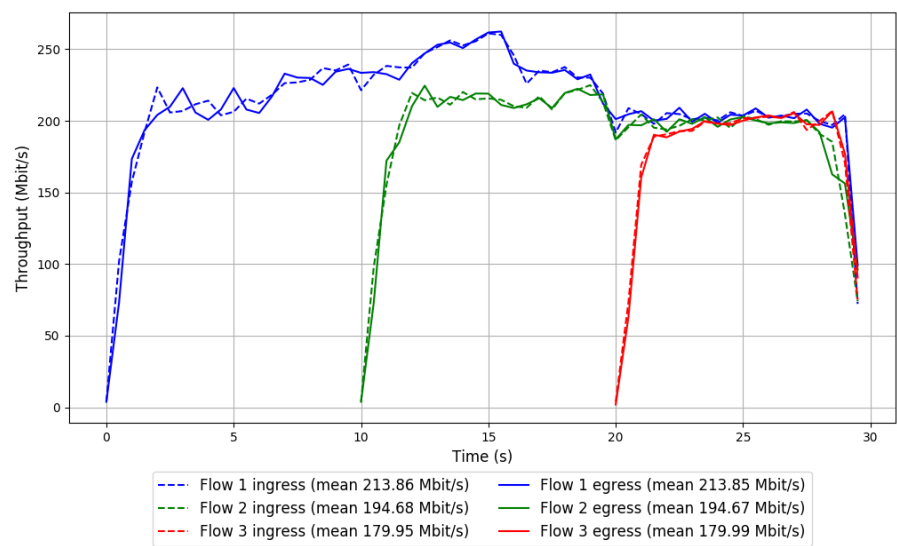
-- Flow 3:

Average throughput: 179.99 Mbit/s

95th percentile per-packet one-way delay: 57.883 ms

Loss rate: 0.01%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-01-26 20:16:08

End at: 2018-01-26 20:16:38

Below is generated by plot.py at 2018-01-26 23:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 378.56 Mbit/s

95th percentile per-packet one-way delay: 53.488 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 193.39 Mbit/s

95th percentile per-packet one-way delay: 53.560 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 195.80 Mbit/s

95th percentile per-packet one-way delay: 53.399 ms

Loss rate: 0.00%

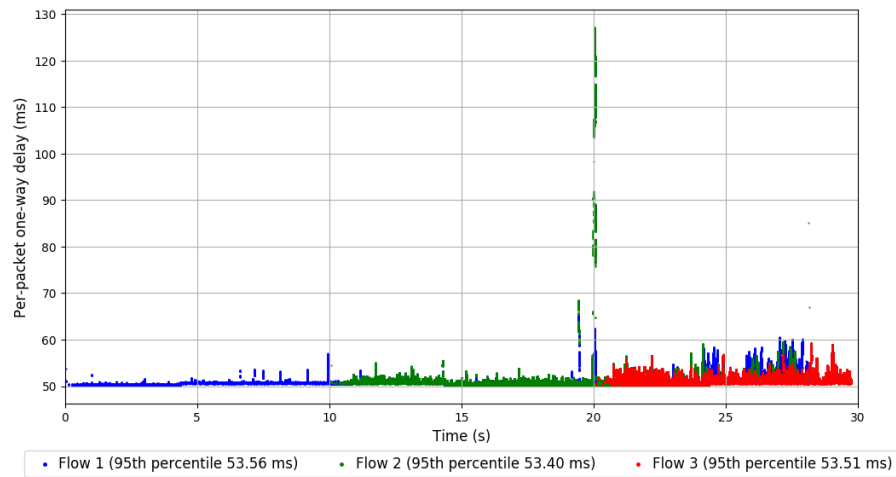
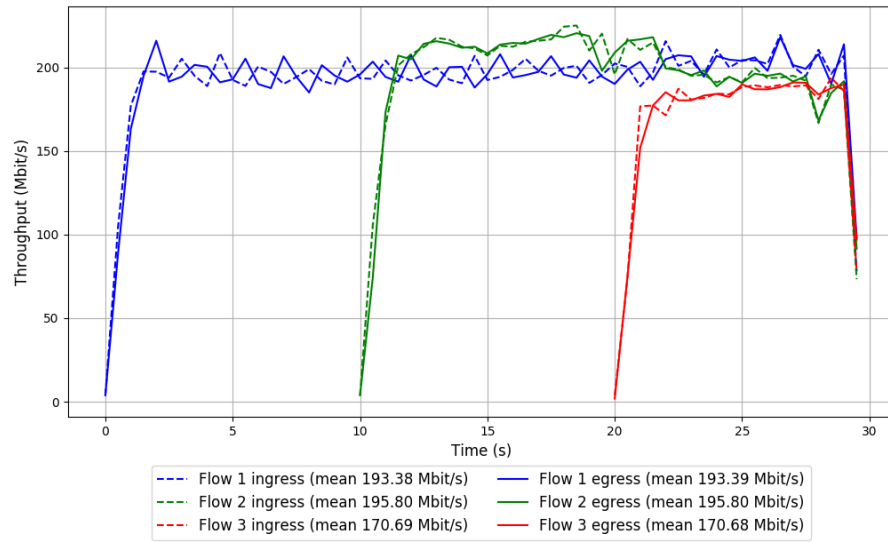
-- Flow 3:

Average throughput: 170.68 Mbit/s

95th percentile per-packet one-way delay: 53.507 ms

Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-26 20:29:51

End at: 2018-01-26 20:30:21

Below is generated by plot.py at 2018-01-26 23:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 416.54 Mbit/s

95th percentile per-packet one-way delay: 58.837 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 226.80 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 201.56 Mbit/s

95th percentile per-packet one-way delay: 58.916 ms

Loss rate: 0.00%

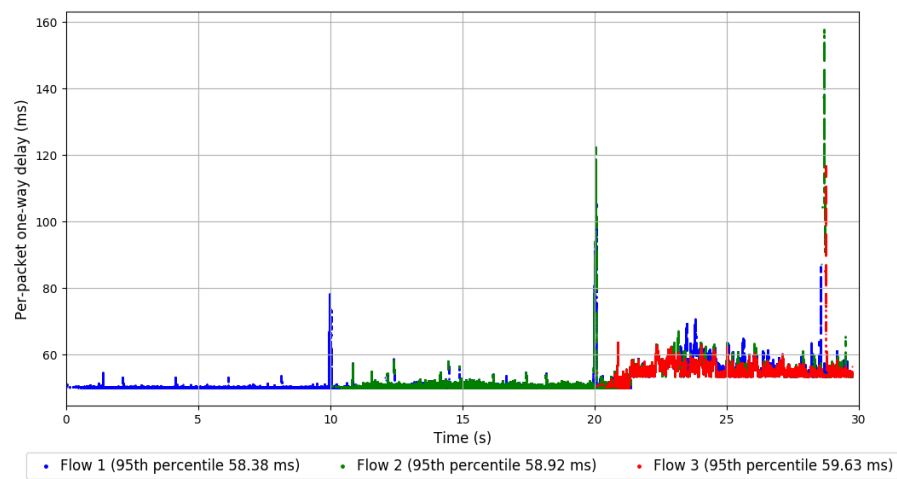
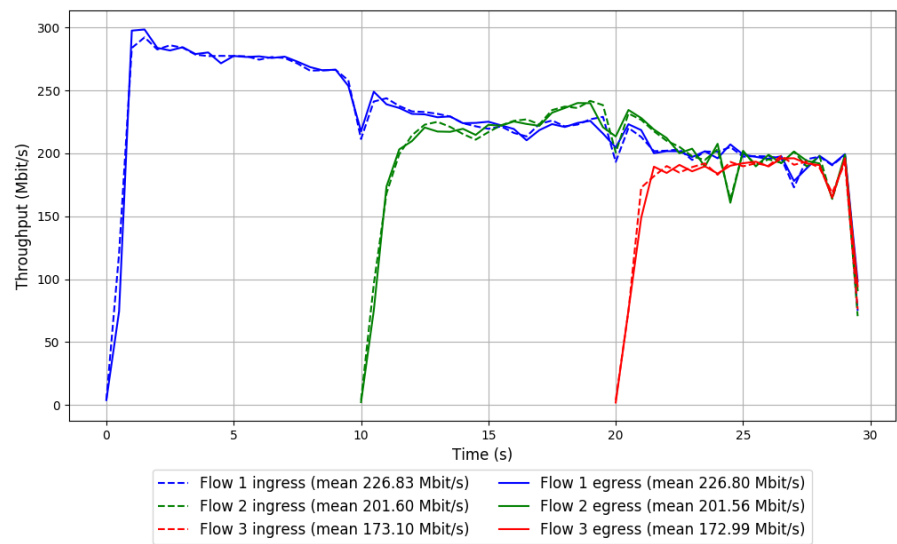
-- Flow 3:

Average throughput: 172.99 Mbit/s

95th percentile per-packet one-way delay: 59.633 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-01-26 20:44:06

End at: 2018-01-26 20:44:36

Below is generated by plot.py at 2018-01-26 23:17:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 417.63 Mbit/s

95th percentile per-packet one-way delay: 56.157 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 227.09 Mbit/s

95th percentile per-packet one-way delay: 55.718 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 199.99 Mbit/s

95th percentile per-packet one-way delay: 56.281 ms

Loss rate: 0.00%

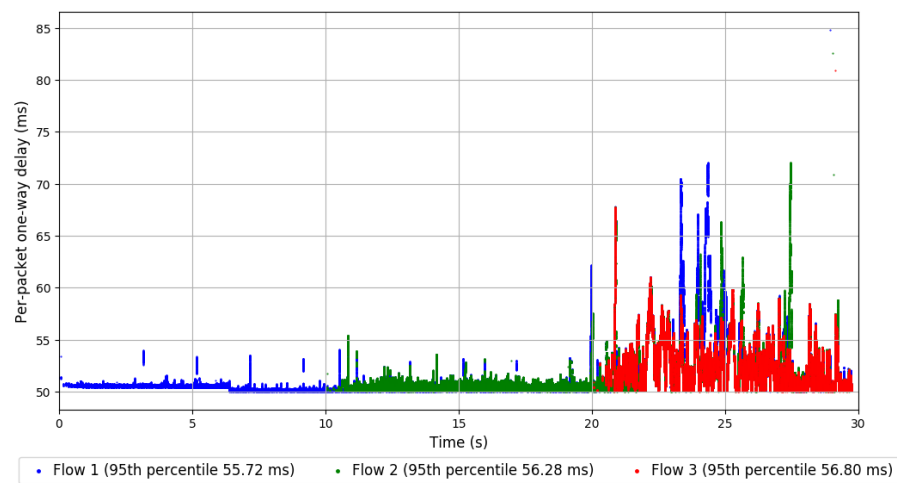
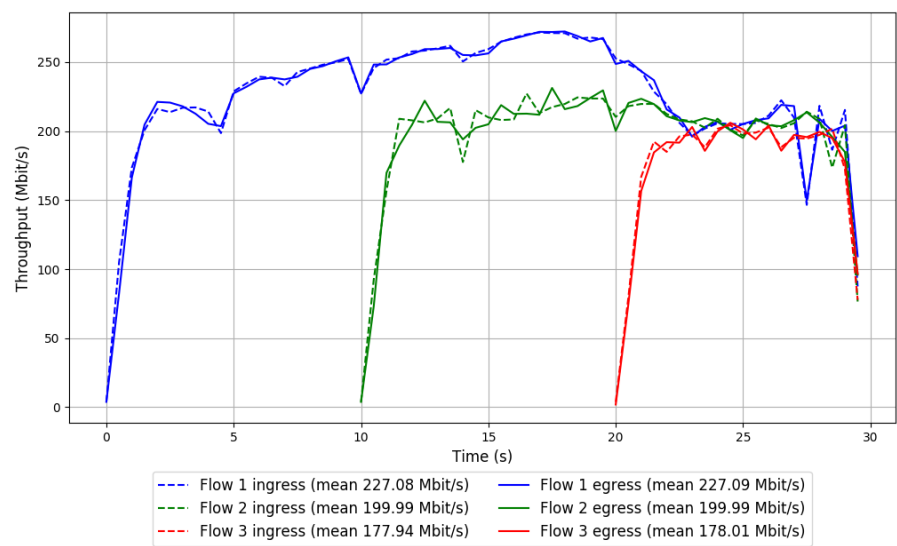
-- Flow 3:

Average throughput: 178.01 Mbit/s

95th percentile per-packet one-way delay: 56.798 ms

Loss rate: 0.00%

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

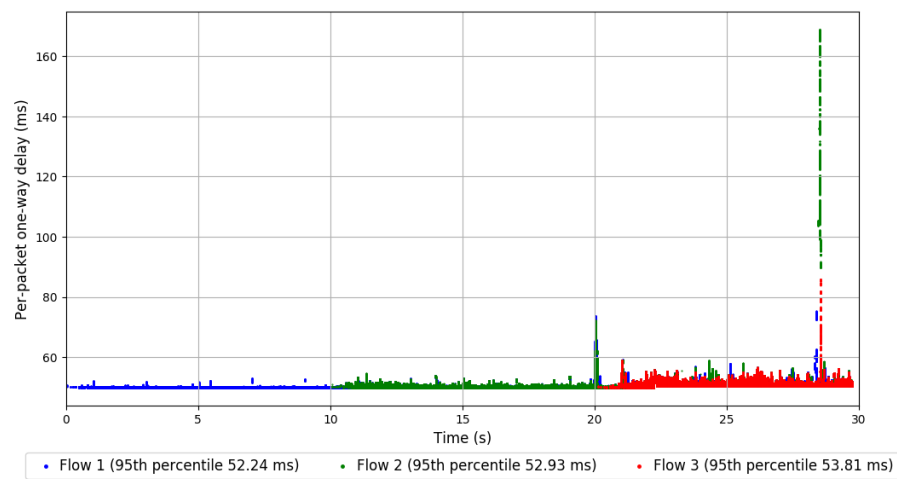
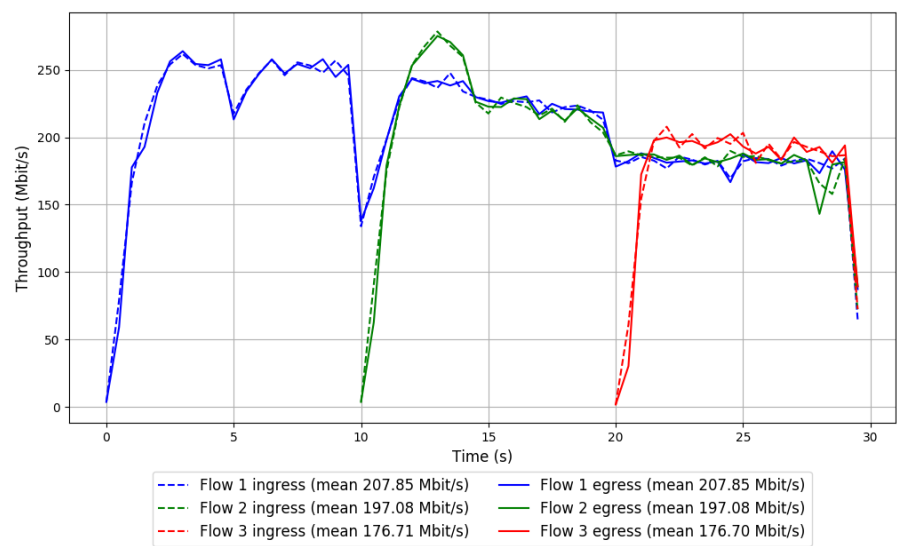


```
Run 1: Statistics of Indigo-1-128

Start at: 2018-01-26 18:32:50
End at: 2018-01-26 18:33:20

# Below is generated by plot.py at 2018-01-26 23:18:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.56 Mbit/s
95th percentile per-packet one-way delay: 52.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.85 Mbit/s
95th percentile per-packet one-way delay: 52.240 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.08 Mbit/s
95th percentile per-packet one-way delay: 52.929 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 176.70 Mbit/s
95th percentile per-packet one-way delay: 53.811 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo-1-128 — Data Link

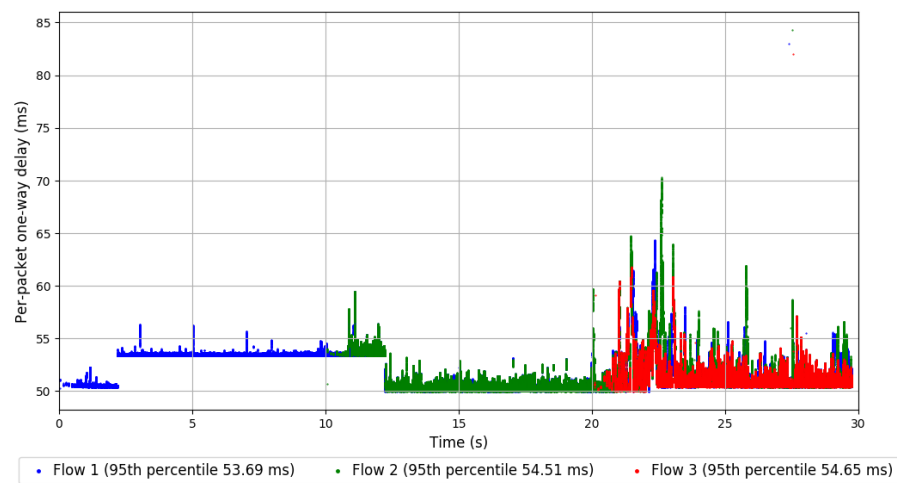
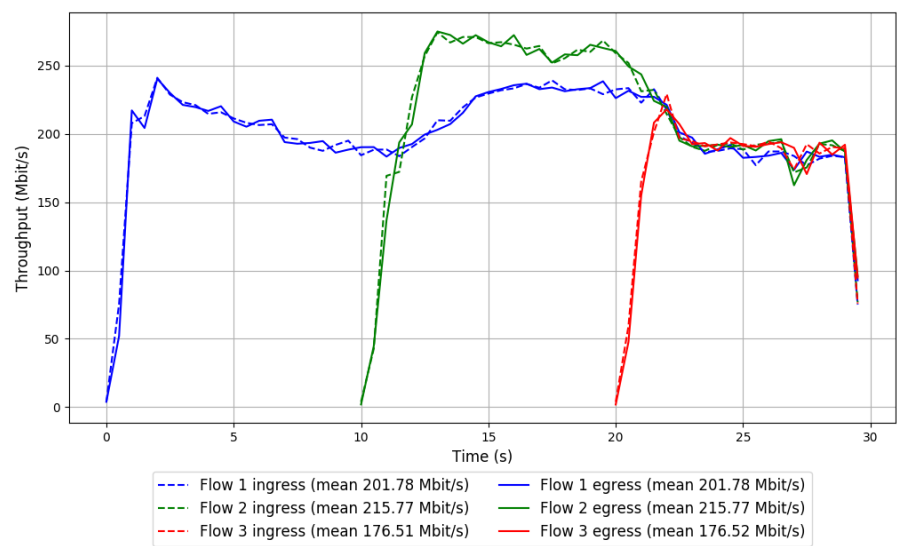


```
Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 18:47:00
End at: 2018-01-26 18:47:30

# Below is generated by plot.py at 2018-01-26 23:18:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 402.01 Mbit/s
95th percentile per-packet one-way delay: 54.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.78 Mbit/s
95th percentile per-packet one-way delay: 53.691 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 215.77 Mbit/s
95th percentile per-packet one-way delay: 54.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 176.52 Mbit/s
95th percentile per-packet one-way delay: 54.649 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-1-128 — Data Link



Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 19:00:57

End at: 2018-01-26 19:01:27

Below is generated by plot.py at 2018-01-26 23:18:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 404.40 Mbit/s

95th percentile per-packet one-way delay: 54.417 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 209.46 Mbit/s

95th percentile per-packet one-way delay: 54.184 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 208.11 Mbit/s

95th percentile per-packet one-way delay: 54.616 ms

Loss rate: 0.00%

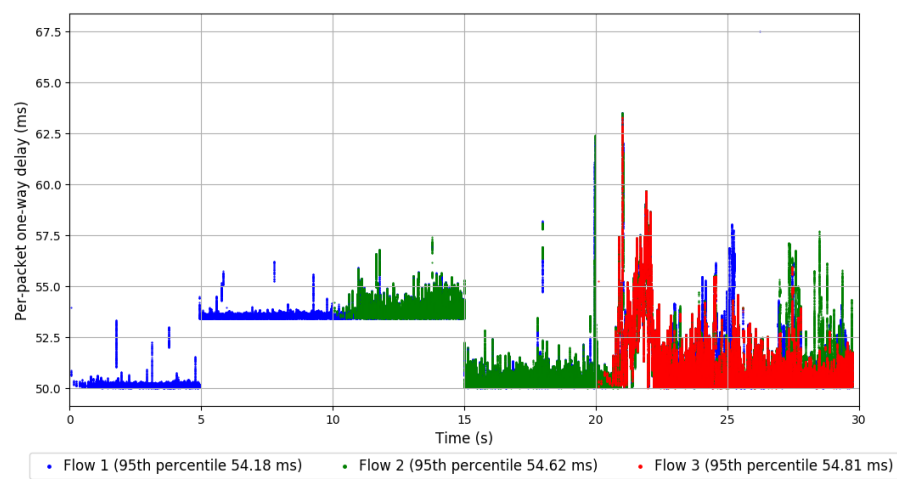
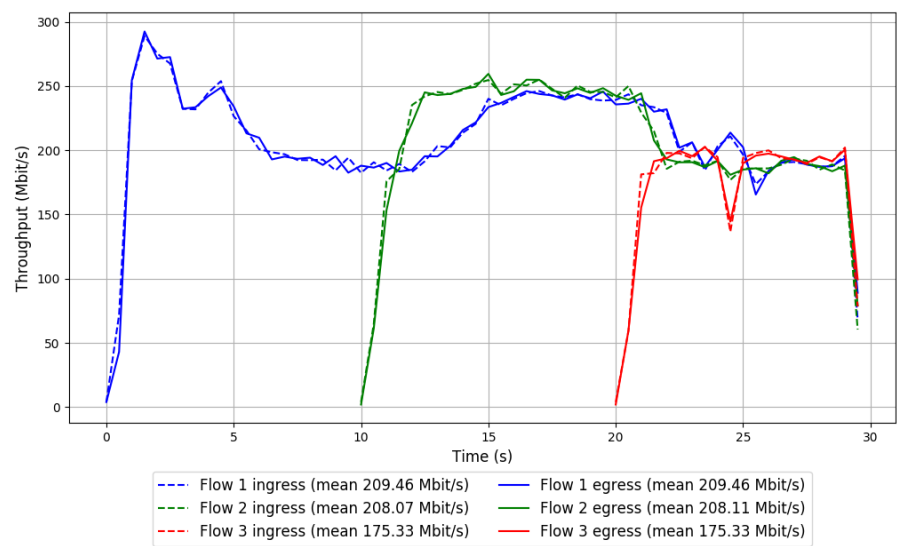
-- Flow 3:

Average throughput: 175.33 Mbit/s

95th percentile per-packet one-way delay: 54.806 ms

Loss rate: 0.00%

Run 3: Report of Indigo-1-128 — Data Link



Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 19:15:34

End at: 2018-01-26 19:16:04

Below is generated by plot.py at 2018-01-26 23:19:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 422.50 Mbit/s

95th percentile per-packet one-way delay: 52.670 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 231.06 Mbit/s

95th percentile per-packet one-way delay: 52.148 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 201.96 Mbit/s

95th percentile per-packet one-way delay: 52.989 ms

Loss rate: 0.00%

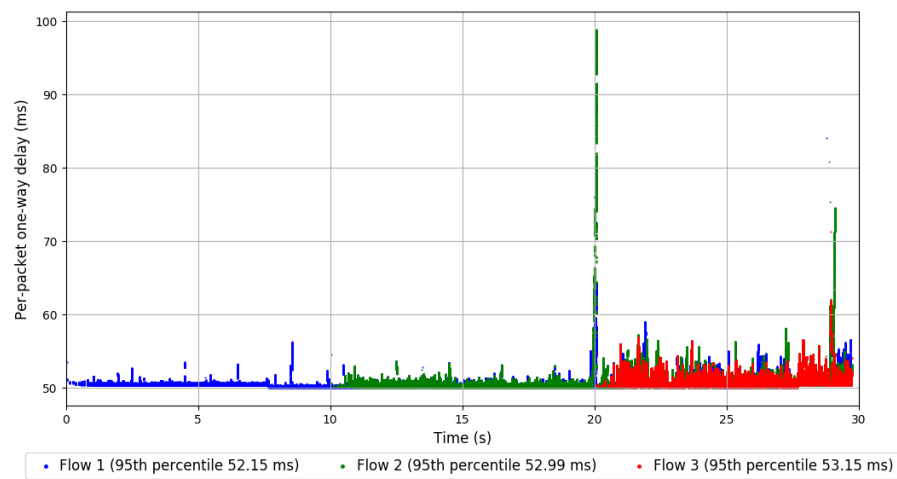
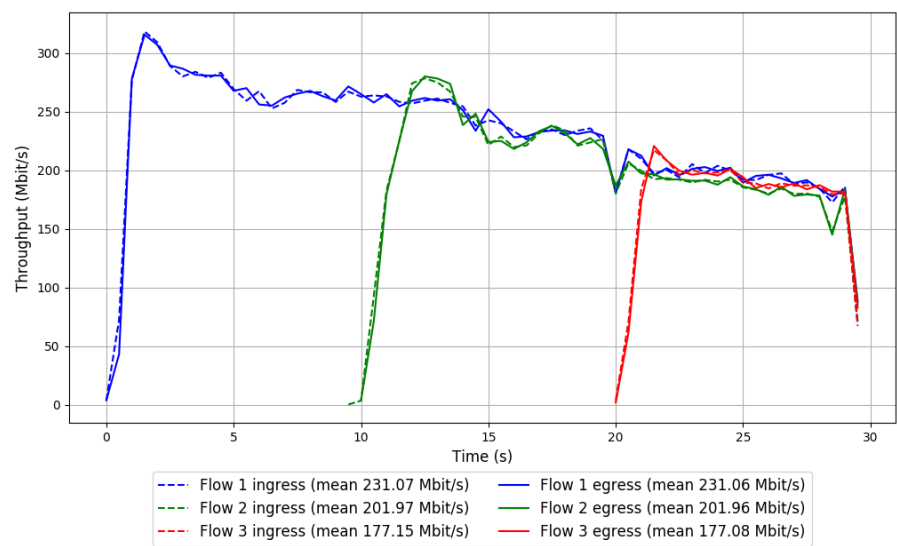
-- Flow 3:

Average throughput: 177.08 Mbit/s

95th percentile per-packet one-way delay: 53.154 ms

Loss rate: 0.00%

Run 4: Report of Indigo-1-128 — Data Link



Run 5: Statistics of Indigo-1-128

Start at: 2018-01-26 19:29:24

End at: 2018-01-26 19:29:54

Below is generated by plot.py at 2018-01-26 23:19:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.07 Mbit/s

95th percentile per-packet one-way delay: 52.290 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 217.49 Mbit/s

95th percentile per-packet one-way delay: 51.904 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 206.84 Mbit/s

95th percentile per-packet one-way delay: 52.449 ms

Loss rate: 0.00%

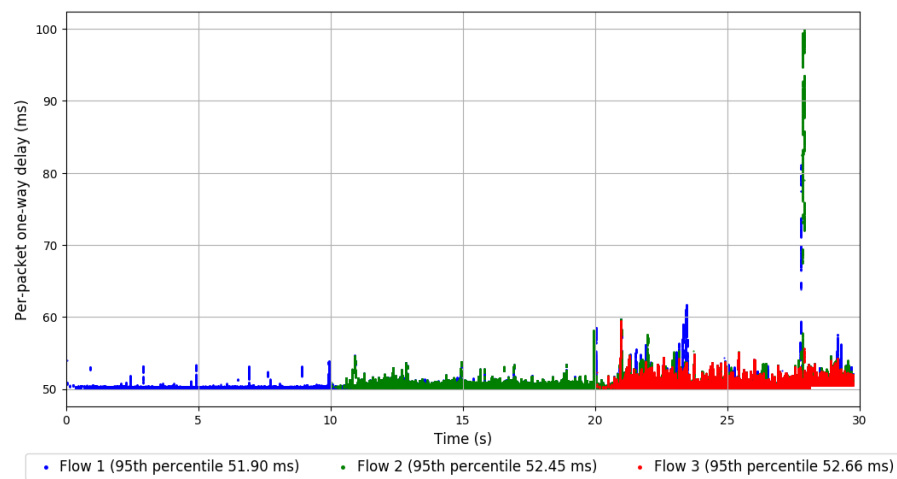
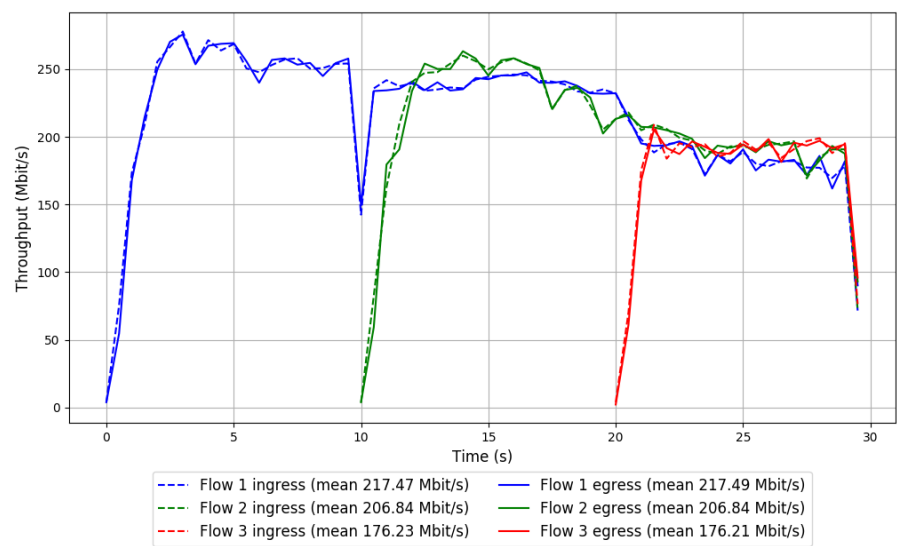
-- Flow 3:

Average throughput: 176.21 Mbit/s

95th percentile per-packet one-way delay: 52.661 ms

Loss rate: 0.00%

Run 5: Report of Indigo-1-128 — Data Link



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 19:43:49

End at: 2018-01-26 19:44:19

Below is generated by plot.py at 2018-01-26 23:20:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 386.66 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 206.76 Mbit/s

95th percentile per-packet one-way delay: 51.940 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 183.01 Mbit/s

95th percentile per-packet one-way delay: 52.317 ms

Loss rate: 0.00%

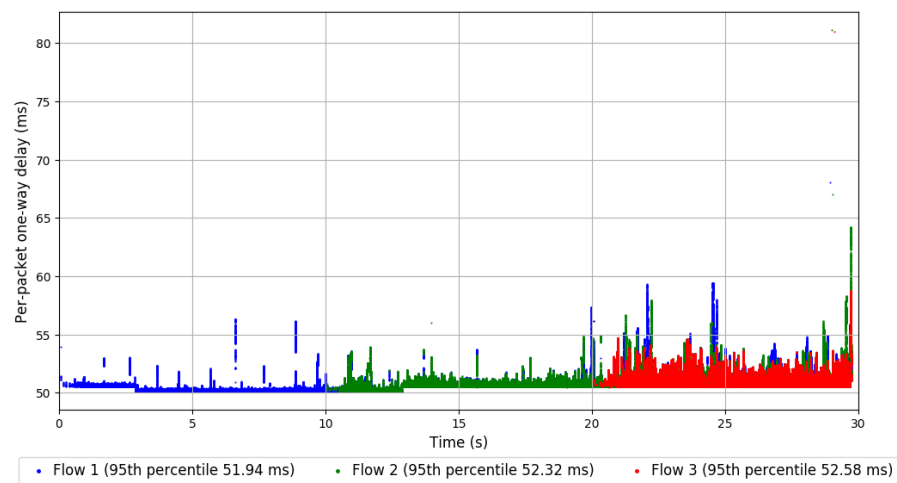
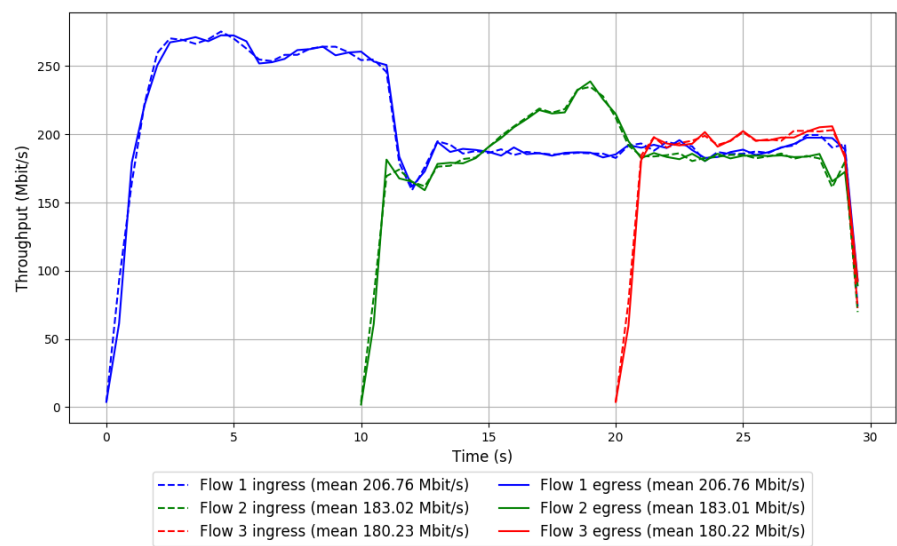
-- Flow 3:

Average throughput: 180.22 Mbit/s

95th percentile per-packet one-way delay: 52.583 ms

Loss rate: 0.00%

Run 6: Report of Indigo-1-128 — Data Link



Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 19:57:48

End at: 2018-01-26 19:58:18

Below is generated by plot.py at 2018-01-26 23:21:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.14 Mbit/s

95th percentile per-packet one-way delay: 55.150 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 233.02 Mbit/s

95th percentile per-packet one-way delay: 54.425 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 221.84 Mbit/s

95th percentile per-packet one-way delay: 56.221 ms

Loss rate: 0.00%

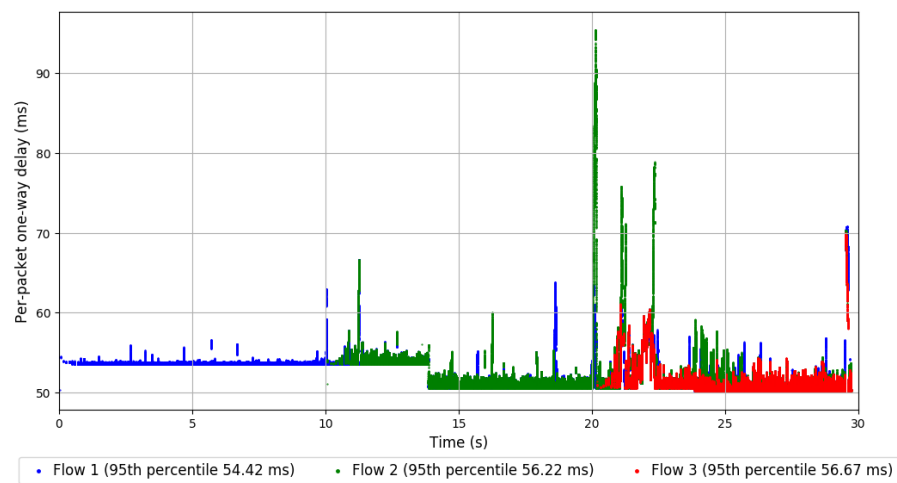
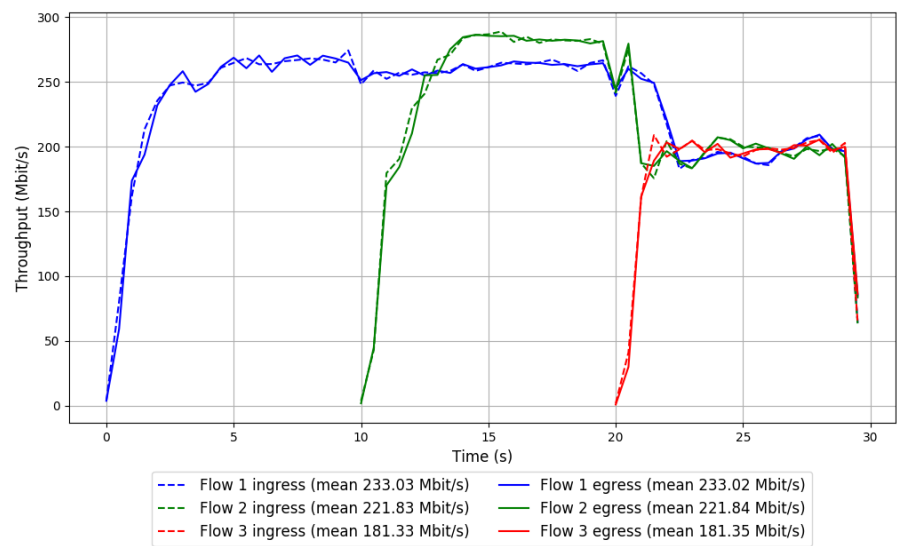
-- Flow 3:

Average throughput: 181.35 Mbit/s

95th percentile per-packet one-way delay: 56.666 ms

Loss rate: 0.00%

Run 7: Report of Indigo-1-128 — Data Link



Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 20:12:15

End at: 2018-01-26 20:12:45

Below is generated by plot.py at 2018-01-26 23:21:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.16 Mbit/s

95th percentile per-packet one-way delay: 57.900 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 228.54 Mbit/s

95th percentile per-packet one-way delay: 56.360 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 216.59 Mbit/s

95th percentile per-packet one-way delay: 58.735 ms

Loss rate: 0.00%

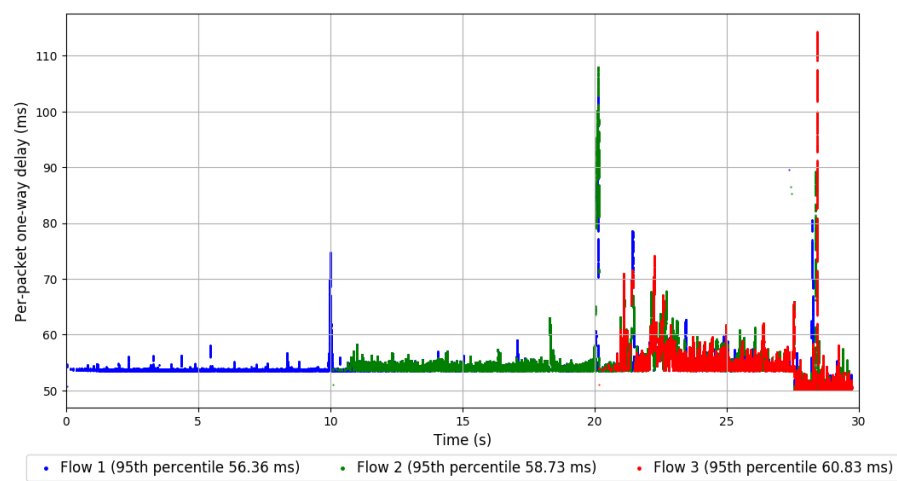
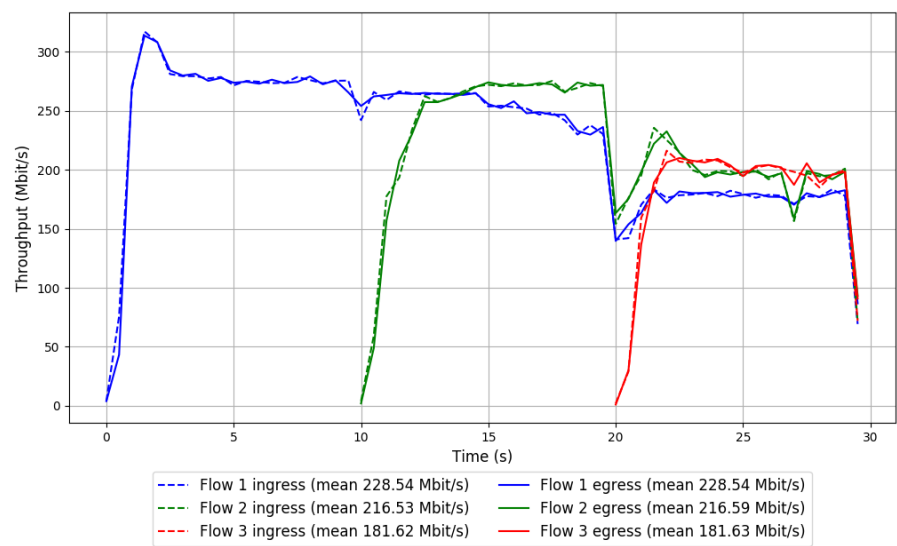
-- Flow 3:

Average throughput: 181.63 Mbit/s

95th percentile per-packet one-way delay: 60.827 ms

Loss rate: 0.00%

Run 8: Report of Indigo-1-128 — Data Link



Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 20:26:22

End at: 2018-01-26 20:26:52

Below is generated by plot.py at 2018-01-26 23:21:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 394.66 Mbit/s

95th percentile per-packet one-way delay: 54.601 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 197.42 Mbit/s

95th percentile per-packet one-way delay: 54.370 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 212.79 Mbit/s

95th percentile per-packet one-way delay: 55.256 ms

Loss rate: 0.00%

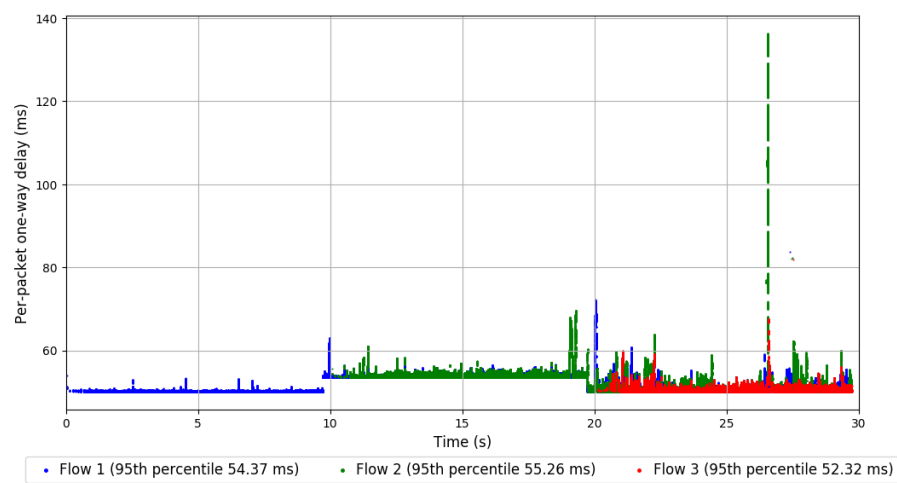
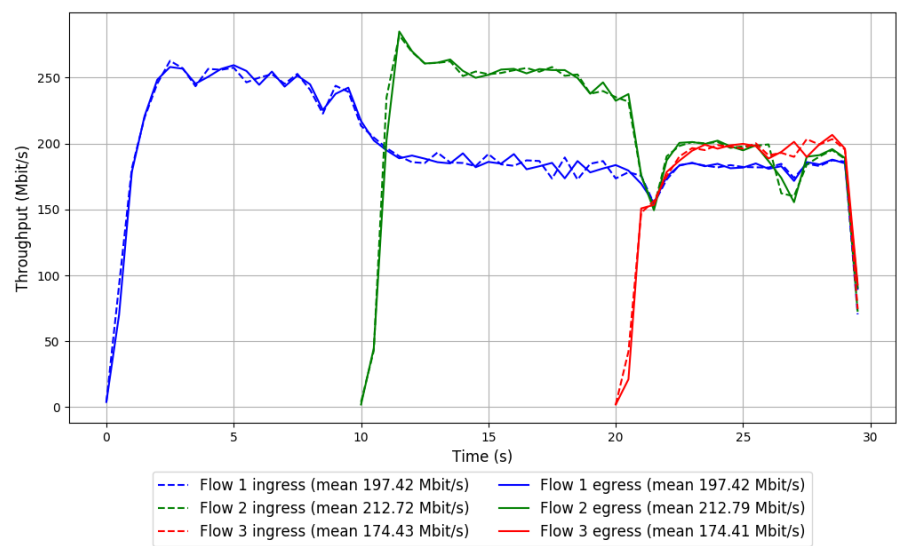
-- Flow 3:

Average throughput: 174.41 Mbit/s

95th percentile per-packet one-way delay: 52.319 ms

Loss rate: 0.00%

Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 20:40:24

End at: 2018-01-26 20:40:54

Below is generated by plot.py at 2018-01-26 23:21:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 443.54 Mbit/s

95th percentile per-packet one-way delay: 53.751 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 239.19 Mbit/s

95th percentile per-packet one-way delay: 53.648 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 217.70 Mbit/s

95th percentile per-packet one-way delay: 54.726 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 184.46 Mbit/s

95th percentile per-packet one-way delay: 53.733 ms

Loss rate: 0.00%

Run 10: Report of Indigo-1-128 — Data Link

