

Pantheon Report

Generated at 2018-01-17 07:10:42 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

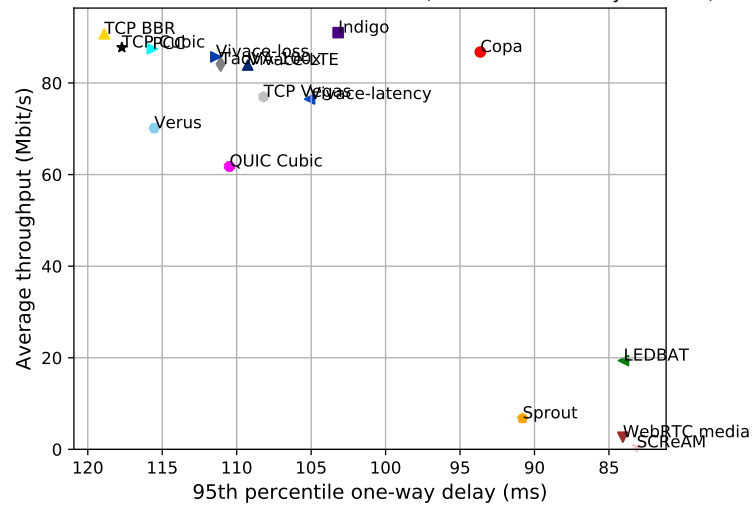
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

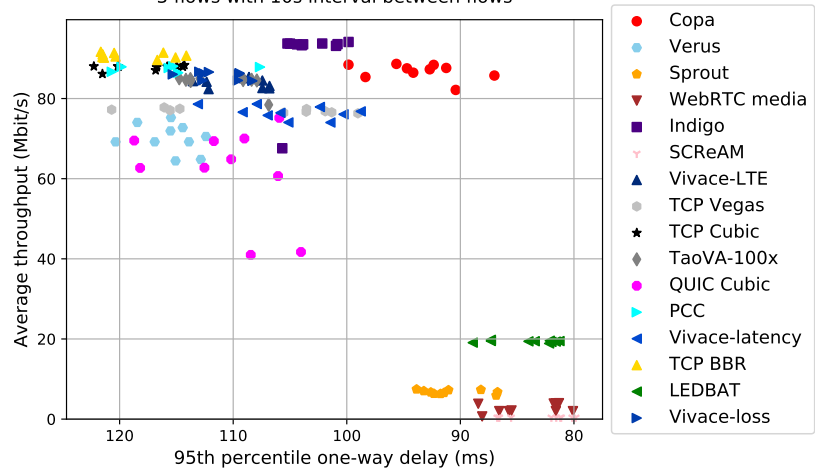
Git summary:

```
branch: master @ 386976fcf771de1359acd909bfbb98a156d79009
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from Colombia Ethernet to AWS Brazil 2 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	55.73	38.45	29.20	118.63	118.38	118.81	0.28	0.84	2.47
TCP Cubic	10	52.93	38.35	28.73	117.27	117.55	117.16	0.51	1.37	3.76
LEDBAT	10	12.63	8.23	3.99	83.89	83.72	83.60	1.12	1.70	3.45
PCC	6	57.73	32.83	26.65	114.84	115.62	118.06	1.52	2.86	7.86
QUIC Cubic	10	31.72	34.19	22.75	105.16	110.27	110.65	0.40	0.95	2.14
SCReAM	10	0.22	0.22	0.22	82.01	82.46	82.16	0.52	0.99	1.53
WebRTC media	10	0.89	1.26	0.56	84.11	84.11	83.36	0.23	0.68	2.37
Sprout	10	3.57	3.54	2.62	90.96	90.53	89.68	0.77	1.24	2.35
TaoVA-100x	10	52.02	38.41	26.82	109.88	110.80	112.02	0.42	0.86	2.81
TCP Vegas	10	42.67	42.91	17.84	107.79	108.14	108.67	0.57	0.84	2.08
Verus	10	37.07	37.62	25.08	113.17	115.36	117.63	0.45	0.73	2.36
Copa	10	73.64	16.16	10.34	93.02	95.38	94.41	0.45	1.04	2.76
FillP	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indigo	10	64.24	26.48	28.67	100.84	105.63	108.49	0.37	0.77	2.28
Vivace-latency	10	57.72	20.12	16.60	101.38	106.38	106.87	0.61	1.67	5.48
Vivace-loss	9	53.91	36.39	23.44	110.05	111.86	112.15	0.56	2.28	5.66
Vivace-LTE	10	55.37	30.98	23.20	107.38	109.48	110.45	0.31	1.05	3.15

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 23:02:57

End at: 2018-01-16 23:03:27

Local clock offset: 0.531 ms

Remote clock offset: -2.53 ms

Below is generated by plot.py at 2018-01-17 06:47:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.63 Mbit/s

95th percentile per-packet one-way delay: 116.681 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 117.353 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 37.84 Mbit/s

95th percentile per-packet one-way delay: 116.227 ms

Loss rate: 0.83%

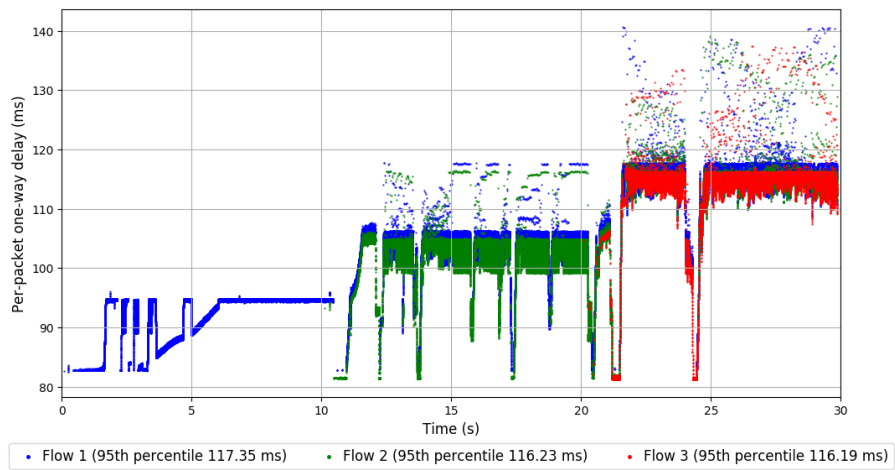
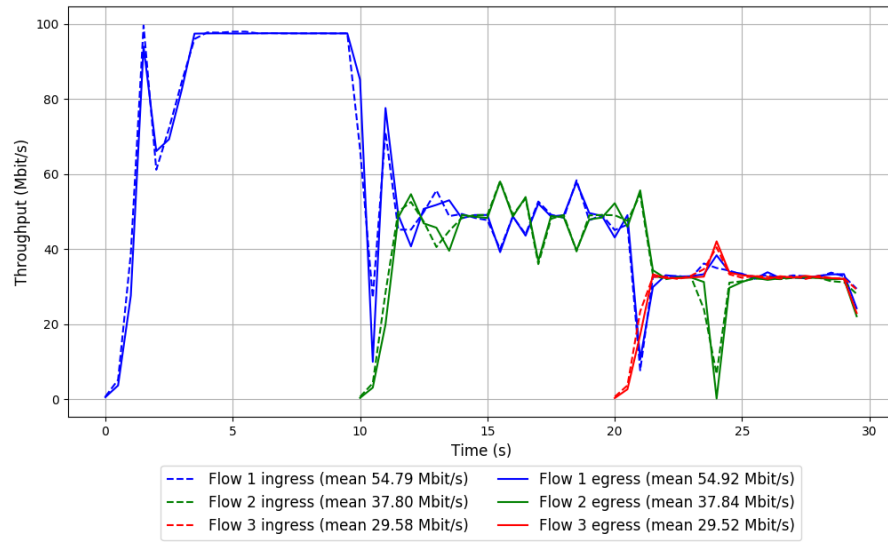
-- Flow 3:

Average throughput: 29.52 Mbit/s

95th percentile per-packet one-way delay: 116.191 ms

Loss rate: 2.24%

Run 1: Report of TCP BBR — Data Link

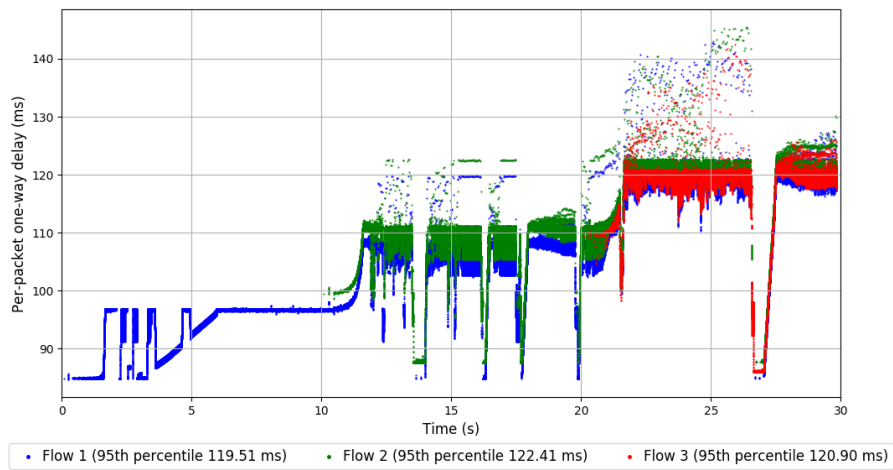
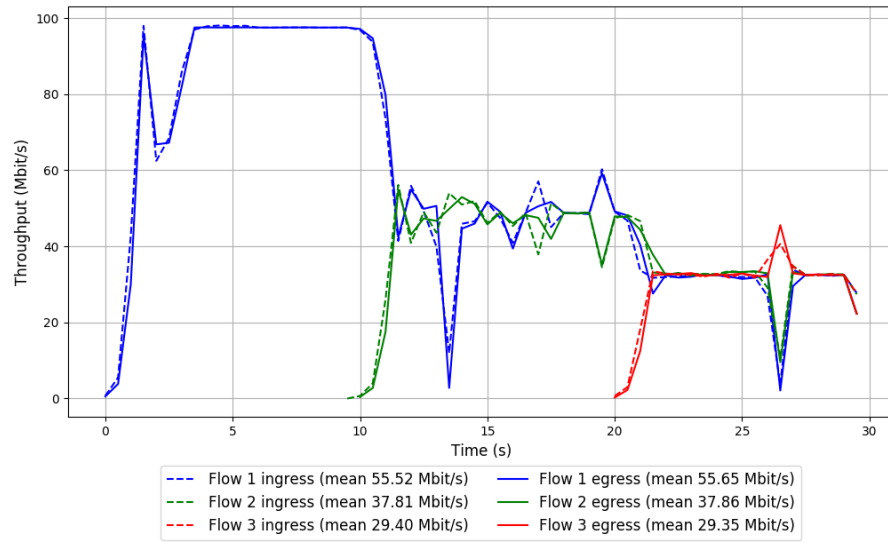


Run 2: Statistics of TCP BBR

Start at: 2018-01-16 23:26:34
End at: 2018-01-16 23:27:04
Local clock offset: 0.451 ms
Remote clock offset: -6.388 ms

Below is generated by plot.py at 2018-01-17 06:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.36 Mbit/s
95th percentile per-packet one-way delay: 121.513 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 119.507 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 122.409 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 120.900 ms
Loss rate: 2.25%

Run 2: Report of TCP BBR — Data Link

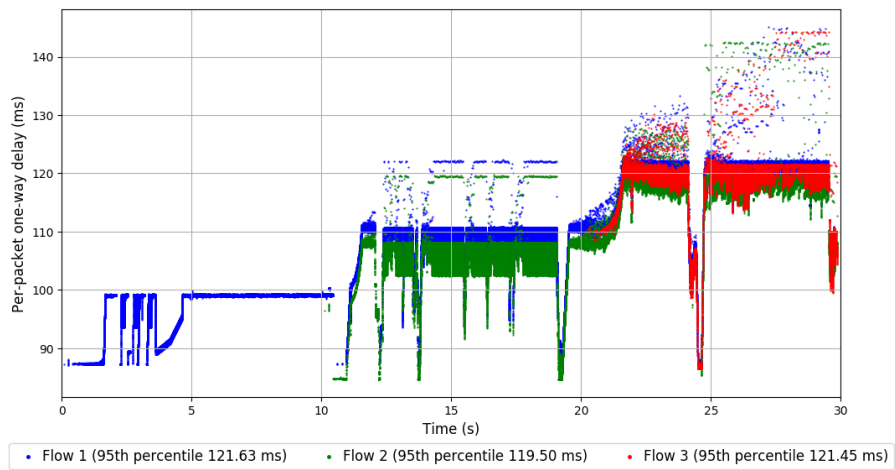
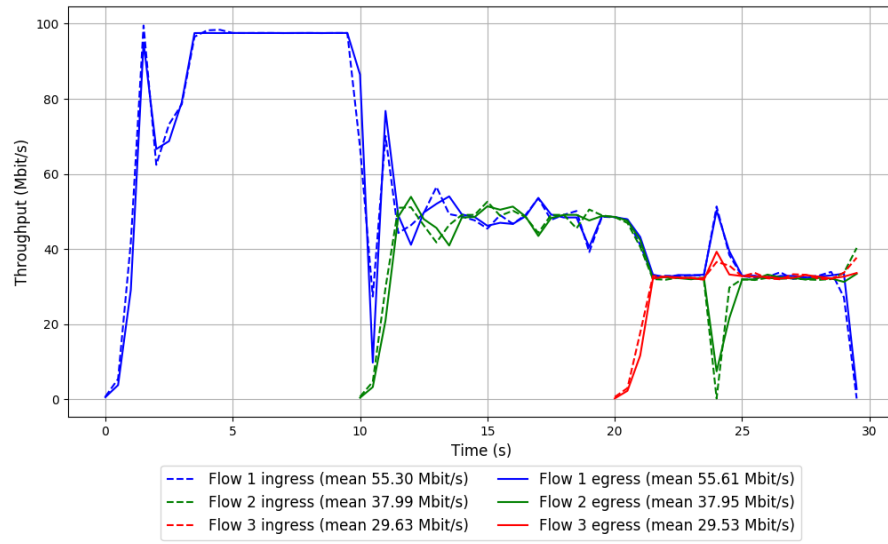


Run 3: Statistics of TCP BBR

Start at: 2018-01-16 23:50:17
End at: 2018-01-16 23:50:47
Local clock offset: 0.395 ms
Remote clock offset: -5.235 ms

Below is generated by plot.py at 2018-01-17 06:47:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.19 Mbit/s
95th percentile per-packet one-way delay: 121.385 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 121.631 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 119.500 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 121.452 ms
Loss rate: 2.26%

Run 3: Report of TCP BBR — Data Link

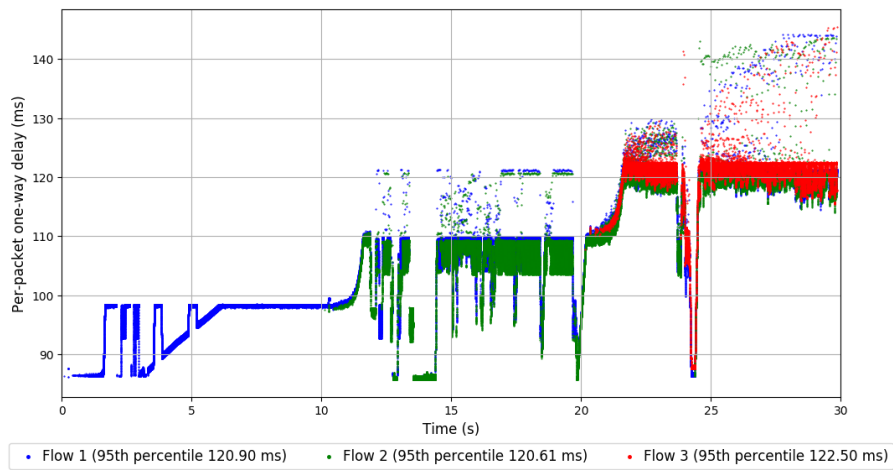
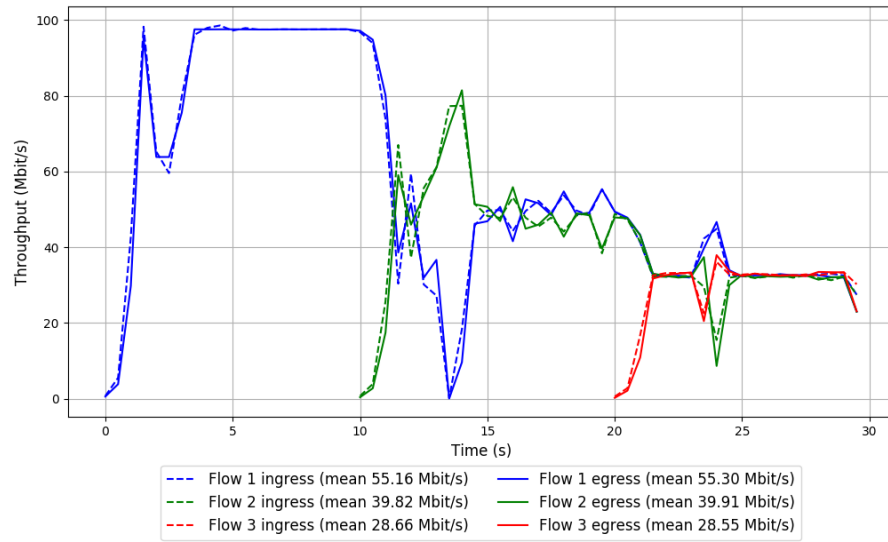


Run 4: Statistics of TCP BBR

Start at: 2018-01-17 00:13:53
End at: 2018-01-17 00:14:23
Local clock offset: 0.343 ms
Remote clock offset: -4.497 ms

Below is generated by plot.py at 2018-01-17 06:47:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 121.496 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 55.30 Mbit/s
95th percentile per-packet one-way delay: 120.898 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 120.613 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 122.497 ms
Loss rate: 2.55%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-01-17 00:37:32

End at: 2018-01-17 00:38:02

Local clock offset: 0.36 ms

Remote clock offset: 1.486 ms

Below is generated by plot.py at 2018-01-17 06:47:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.71 Mbit/s

95th percentile per-packet one-way delay: 114.127 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 55.55 Mbit/s

95th percentile per-packet one-way delay: 115.276 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 38.57 Mbit/s

95th percentile per-packet one-way delay: 113.458 ms

Loss rate: 0.82%

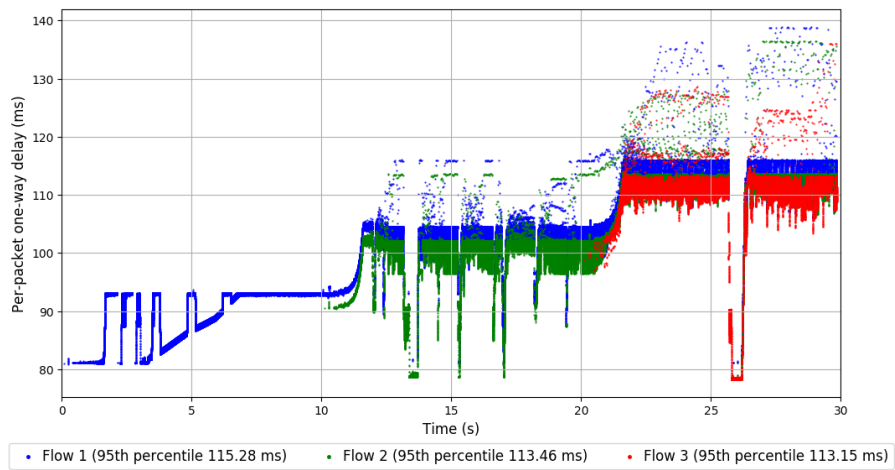
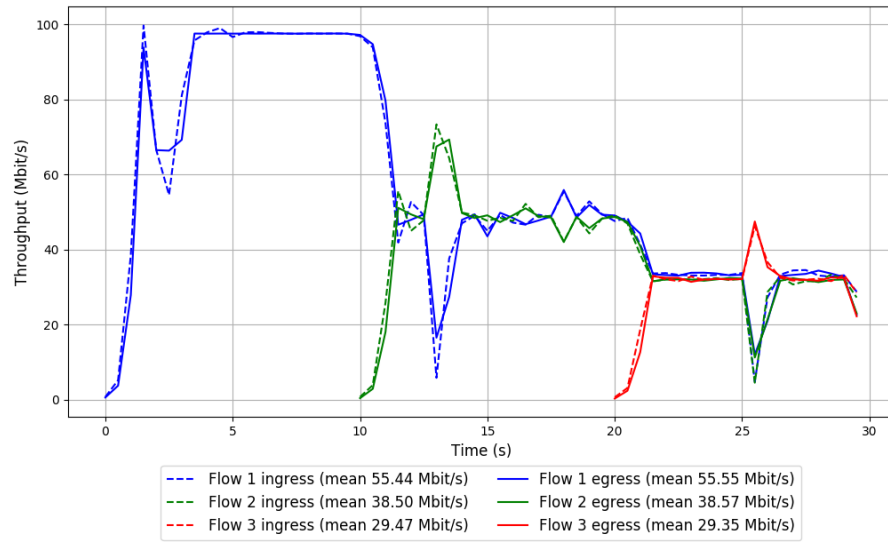
-- Flow 3:

Average throughput: 29.35 Mbit/s

95th percentile per-packet one-way delay: 113.147 ms

Loss rate: 2.30%

Run 5: Report of TCP BBR — Data Link

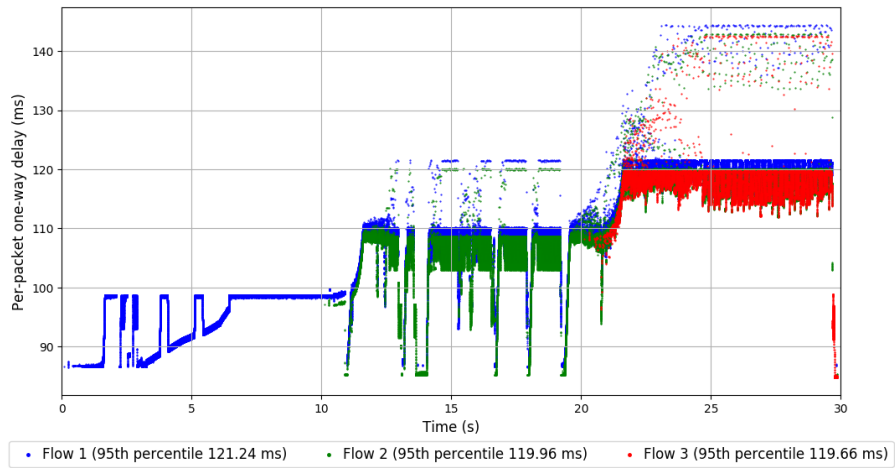
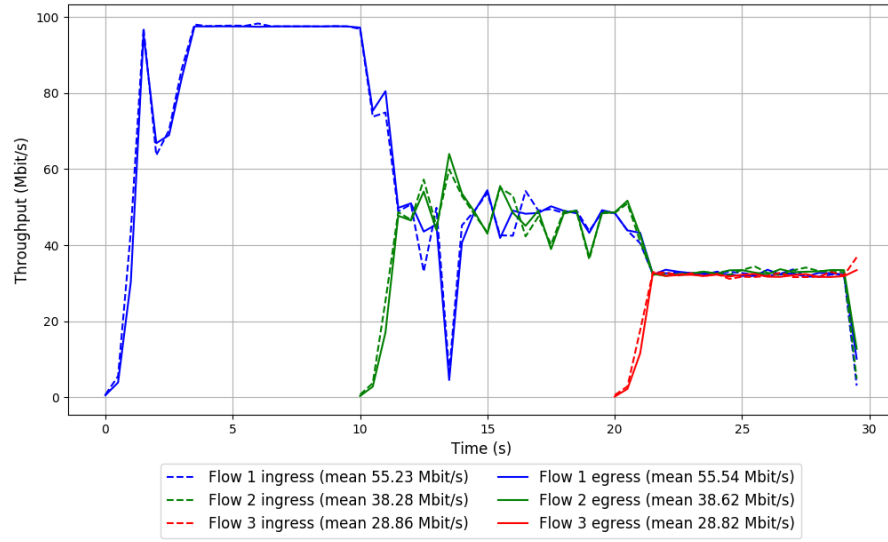


Run 6: Statistics of TCP BBR

Start at: 2018-01-17 01:01:09
End at: 2018-01-17 01:01:39
Local clock offset: 0.39 ms
Remote clock offset: -4.608 ms

Below is generated by plot.py at 2018-01-17 06:47:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 120.355 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 121.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 119.961 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 119.663 ms
Loss rate: 2.03%

Run 6: Report of TCP BBR — Data Link

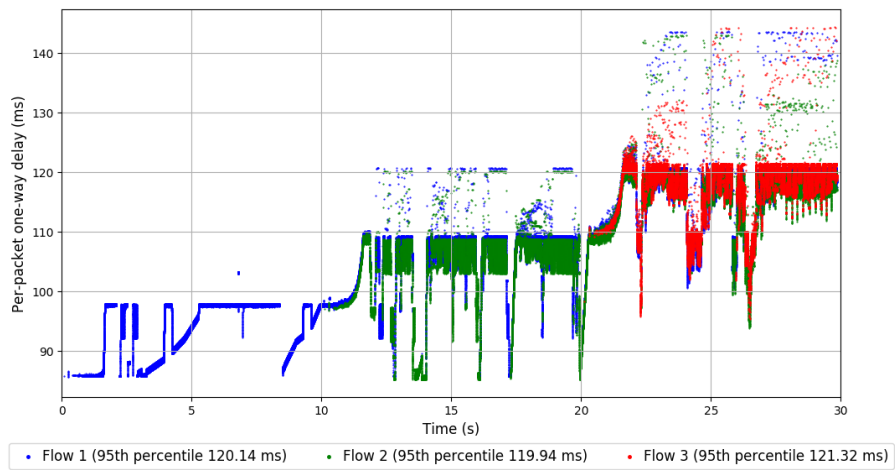
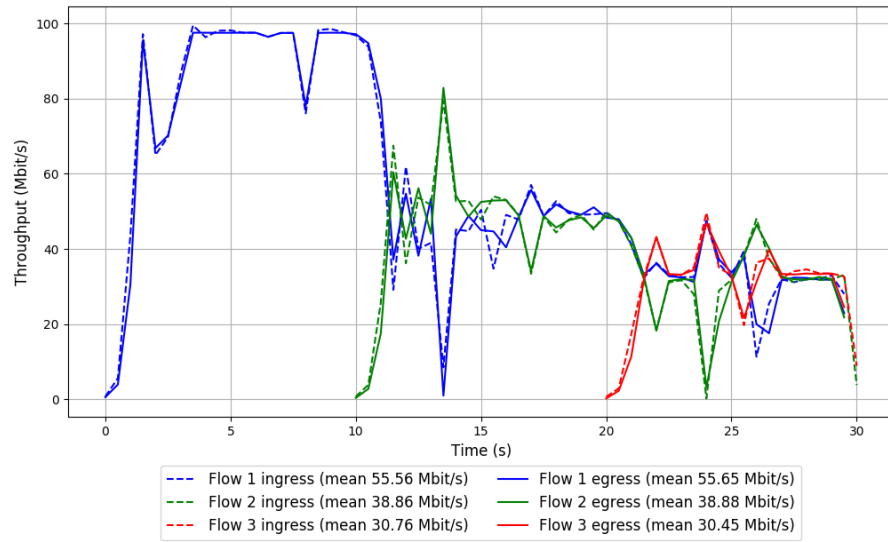


Run 7: Statistics of TCP BBR

Start at: 2018-01-17 01:24:51
End at: 2018-01-17 01:25:21
Local clock offset: 0.491 ms
Remote clock offset: -3.822 ms

Below is generated by plot.py at 2018-01-17 06:47:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 120.478 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 120.141 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 119.936 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 121.317 ms
Loss rate: 4.20%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-01-17 01:48:39

End at: 2018-01-17 01:49:09

Local clock offset: 0.604 ms

Remote clock offset: 1.412 ms

Below is generated by plot.py at 2018-01-17 06:47:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 115.075 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 55.46 Mbit/s

95th percentile per-packet one-way delay: 115.919 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 38.34 Mbit/s

95th percentile per-packet one-way delay: 114.192 ms

Loss rate: 0.83%

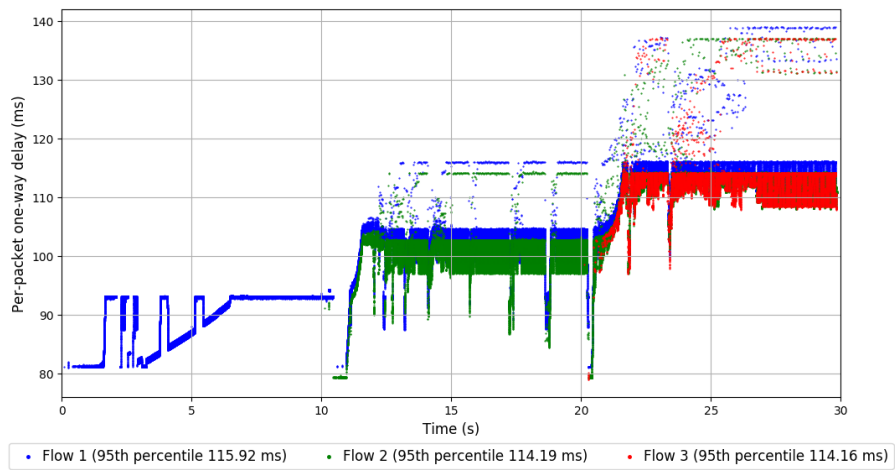
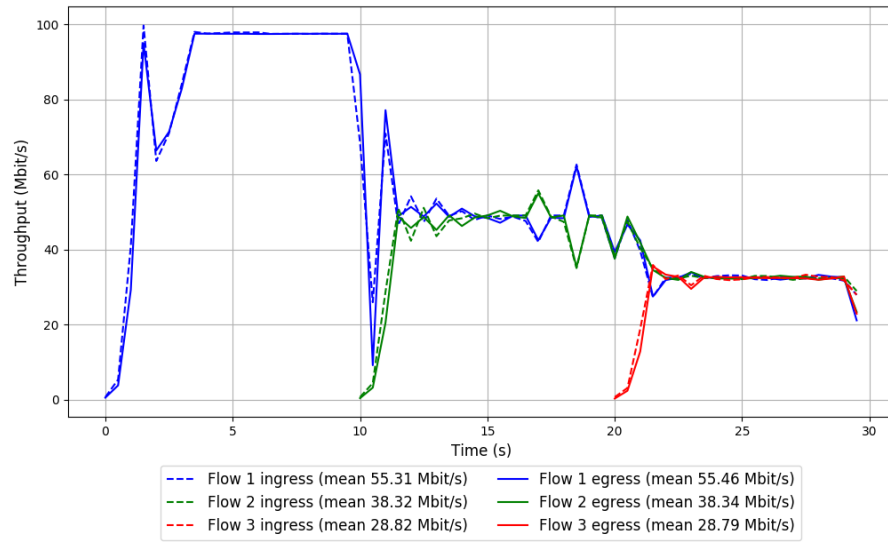
-- Flow 3:

Average throughput: 28.79 Mbit/s

95th percentile per-packet one-way delay: 114.157 ms

Loss rate: 2.25%

Run 8: Report of TCP BBR — Data Link

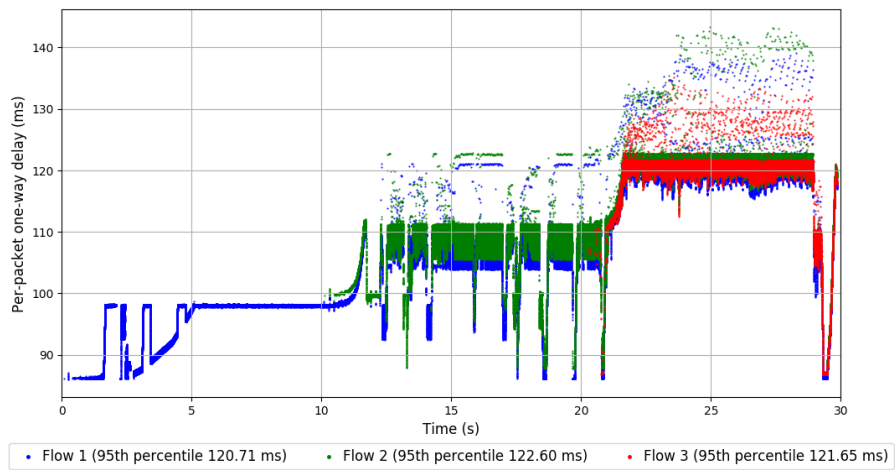
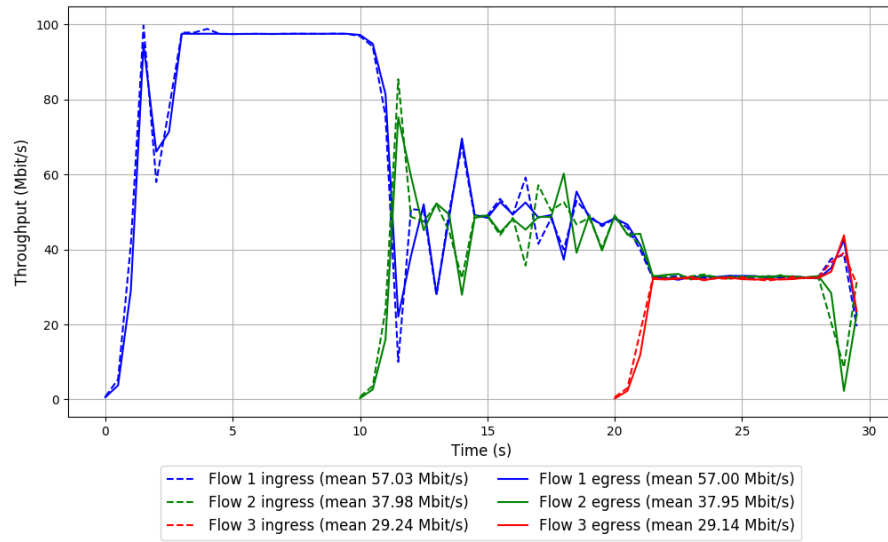


Run 9: Statistics of TCP BBR

Start at: 2018-01-17 02:12:23
End at: 2018-01-17 02:12:53
Local clock offset: 0.795 ms
Remote clock offset: -5.423 ms

Below is generated by plot.py at 2018-01-17 06:48:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 121.658 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 57.00 Mbit/s
95th percentile per-packet one-way delay: 120.708 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 122.602 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 121.648 ms
Loss rate: 2.27%

Run 9: Report of TCP BBR — Data Link

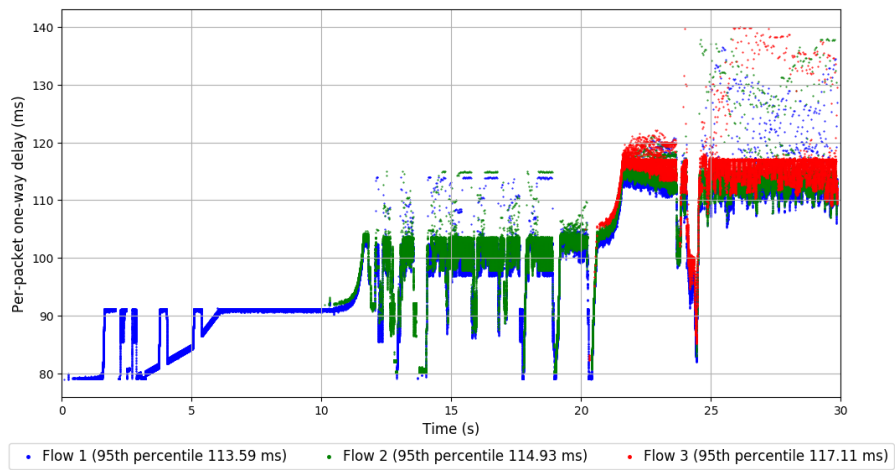
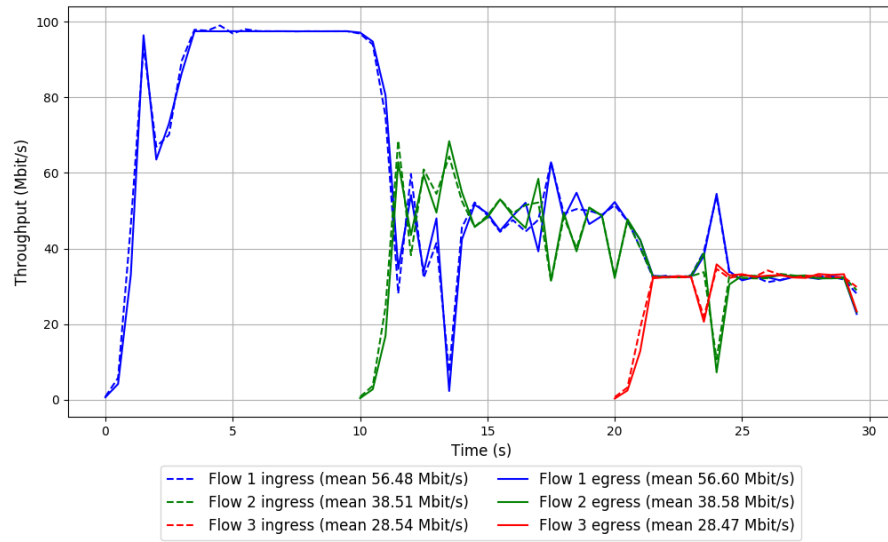


Run 10: Statistics of TCP BBR

Start at: 2018-01-17 02:35:59
End at: 2018-01-17 02:36:29
Local clock offset: 0.975 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-01-17 06:48:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.45 Mbit/s
95th percentile per-packet one-way delay: 116.148 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 113.595 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 114.928 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 28.47 Mbit/s
95th percentile per-packet one-way delay: 117.108 ms
Loss rate: 2.36%

Run 10: Report of TCP BBR — Data Link

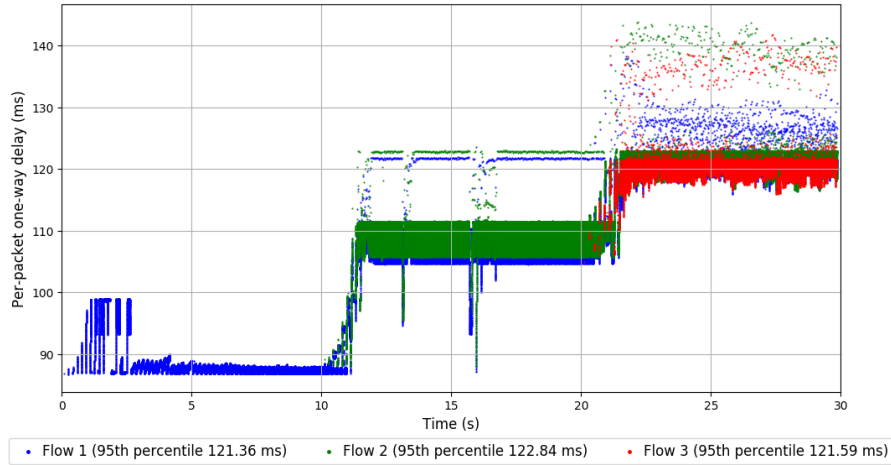
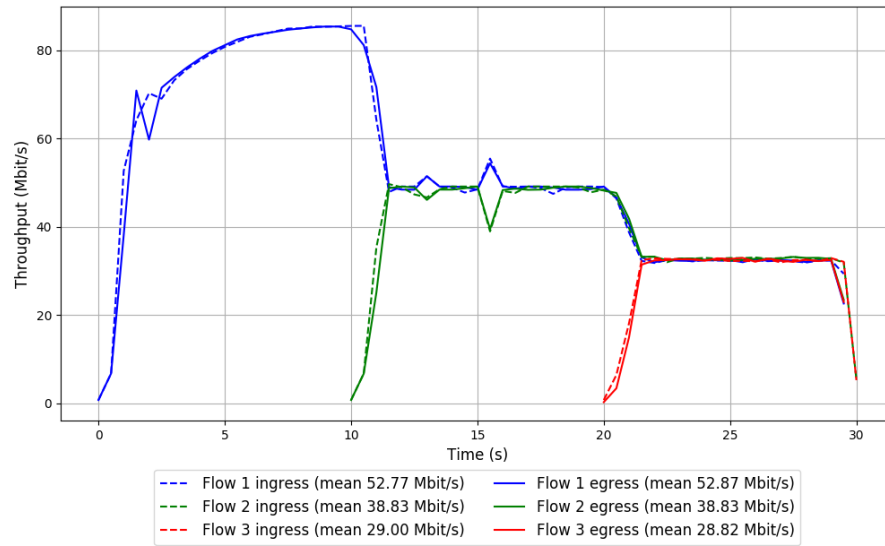


Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 23:04:16
End at: 2018-01-16 23:04:46
Local clock offset: 0.524 ms
Remote clock offset: -7.364 ms

Below is generated by plot.py at 2018-01-17 06:48:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 122.268 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 121.365 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 122.843 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 121.595 ms
Loss rate: 3.77%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 23:27:53

End at: 2018-01-16 23:28:23

Local clock offset: 0.437 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-01-17 06:48:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.36 Mbit/s

95th percentile per-packet one-way delay: 114.299 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 52.92 Mbit/s

95th percentile per-packet one-way delay: 112.783 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 39.11 Mbit/s

95th percentile per-packet one-way delay: 114.260 ms

Loss rate: 1.58%

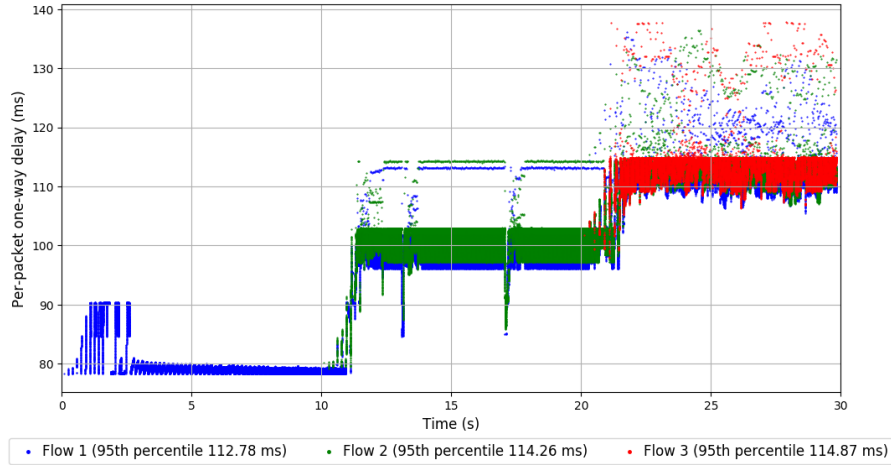
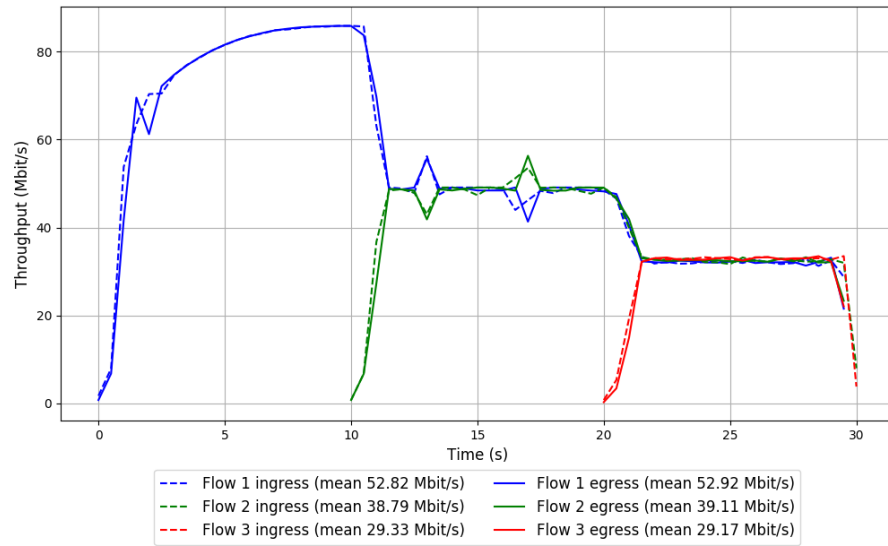
-- Flow 3:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 114.867 ms

Loss rate: 3.73%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 23:51:36

End at: 2018-01-16 23:52:06

Local clock offset: 0.384 ms

Remote clock offset: -4.34 ms

Below is generated by plot.py at 2018-01-17 06:48:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.07 Mbit/s

95th percentile per-packet one-way delay: 120.153 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 52.64 Mbit/s

95th percentile per-packet one-way delay: 119.930 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 39.30 Mbit/s

95th percentile per-packet one-way delay: 120.516 ms

Loss rate: 1.40%

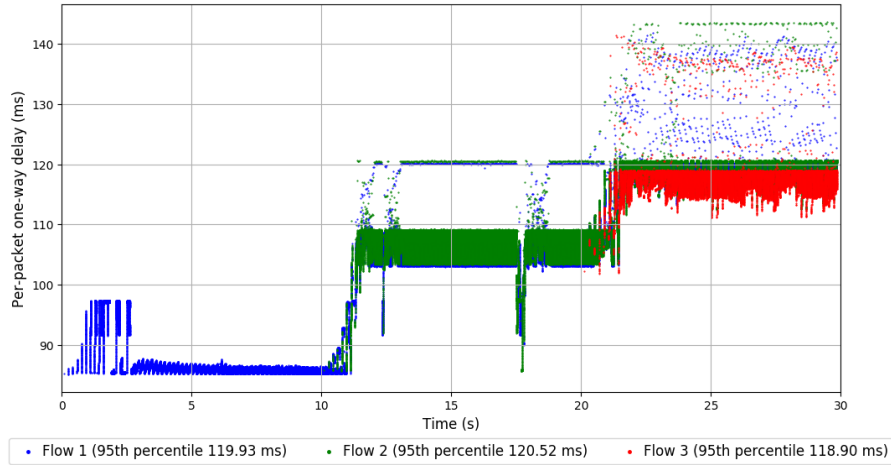
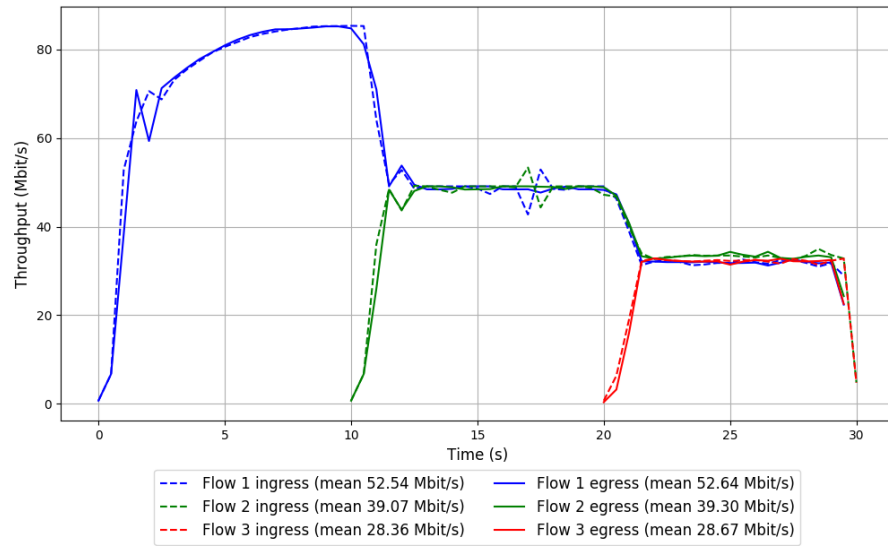
-- Flow 3:

Average throughput: 28.67 Mbit/s

95th percentile per-packet one-way delay: 118.896 ms

Loss rate: 3.75%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-17 00:15:13

End at: 2018-01-17 00:15:43

Local clock offset: 0.373 ms

Remote clock offset: 1.215 ms

Below is generated by plot.py at 2018-01-17 06:48:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 114.975 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 52.79 Mbit/s

95th percentile per-packet one-way delay: 114.660 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 38.94 Mbit/s

95th percentile per-packet one-way delay: 114.899 ms

Loss rate: 1.51%

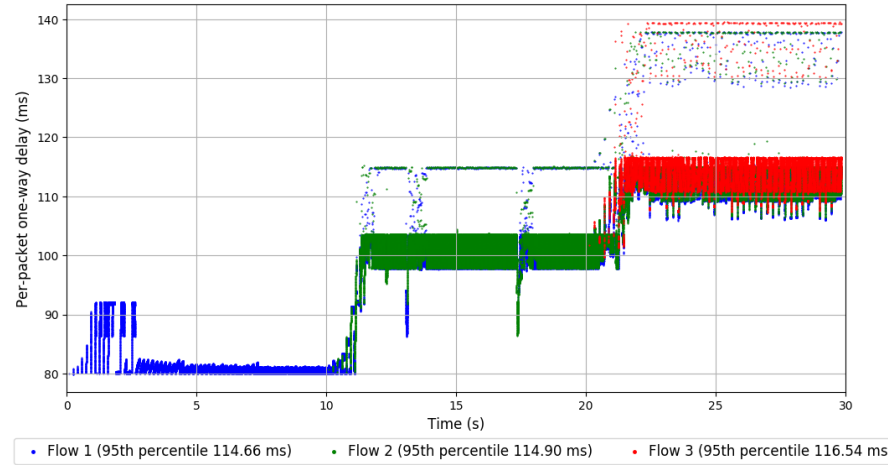
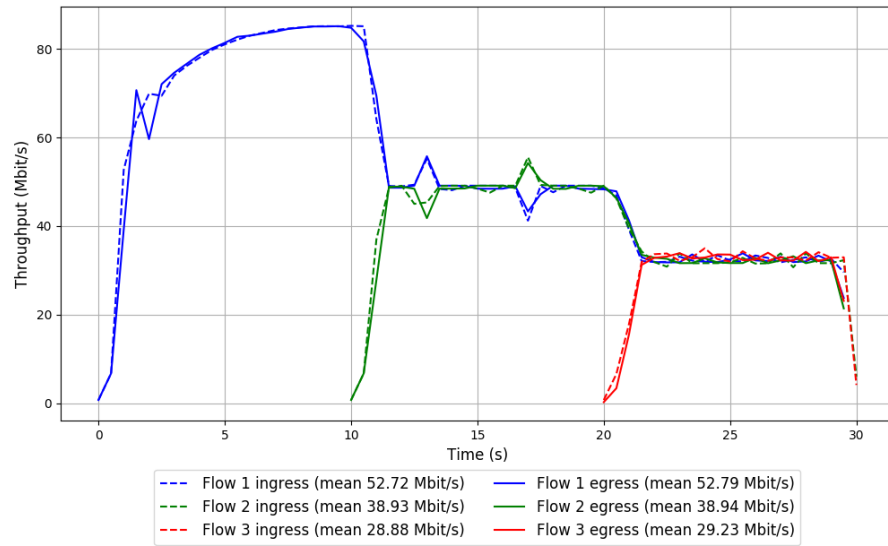
-- Flow 3:

Average throughput: 29.23 Mbit/s

95th percentile per-packet one-way delay: 116.542 ms

Loss rate: 3.73%

Run 4: Report of TCP Cubic — Data Link

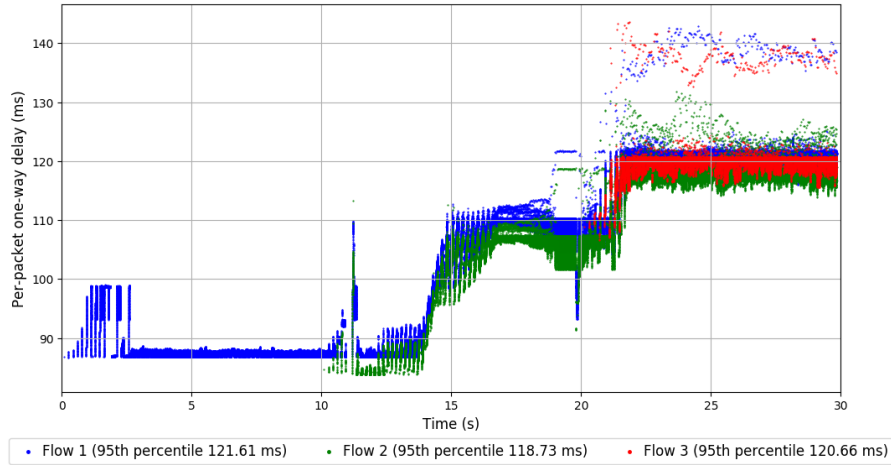
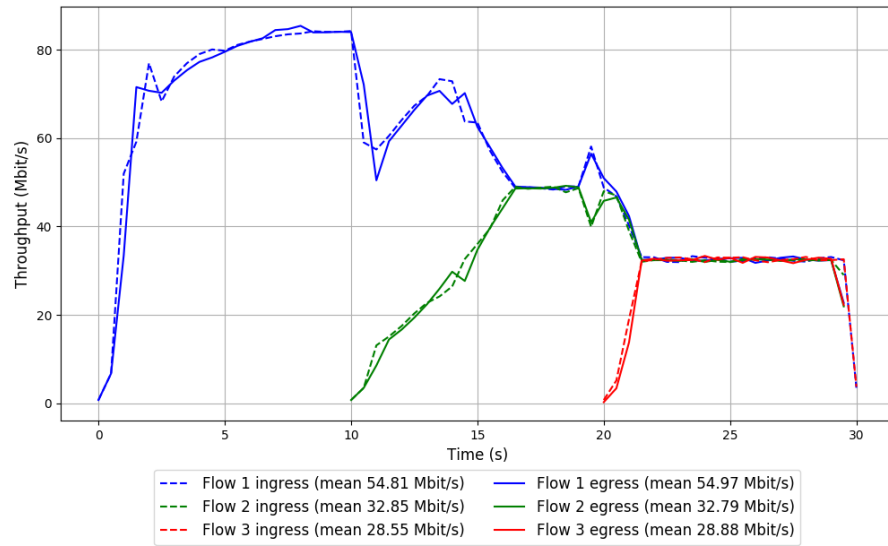


Run 5: Statistics of TCP Cubic

Start at: 2018-01-17 00:38:52
End at: 2018-01-17 00:39:22
Local clock offset: 0.365 ms
Remote clock offset: -3.869 ms

Below is generated by plot.py at 2018-01-17 06:48:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.14 Mbit/s
95th percentile per-packet one-way delay: 121.511 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 54.97 Mbit/s
95th percentile per-packet one-way delay: 121.610 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 118.726 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 120.657 ms
Loss rate: 3.76%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-01-17 01:02:28

End at: 2018-01-17 01:02:58

Local clock offset: 0.388 ms

Remote clock offset: 0.999 ms

Below is generated by plot.py at 2018-01-17 06:48:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 116.733 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 52.75 Mbit/s

95th percentile per-packet one-way delay: 116.012 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 117.175 ms

Loss rate: 0.99%

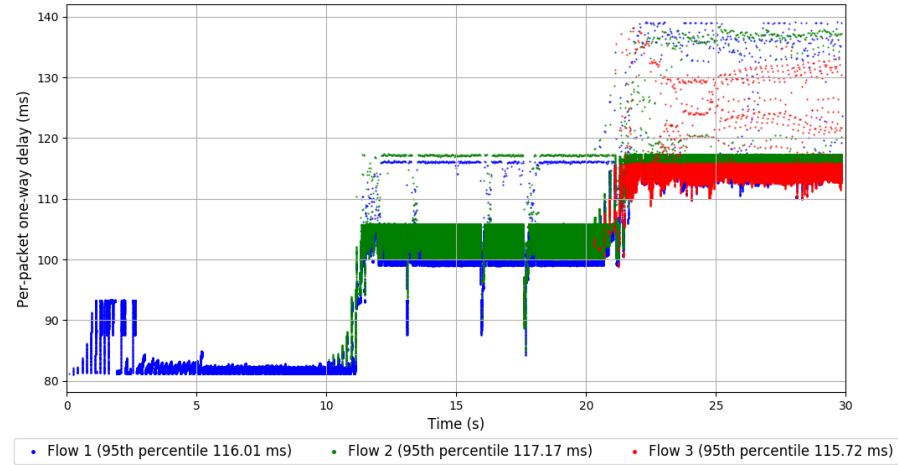
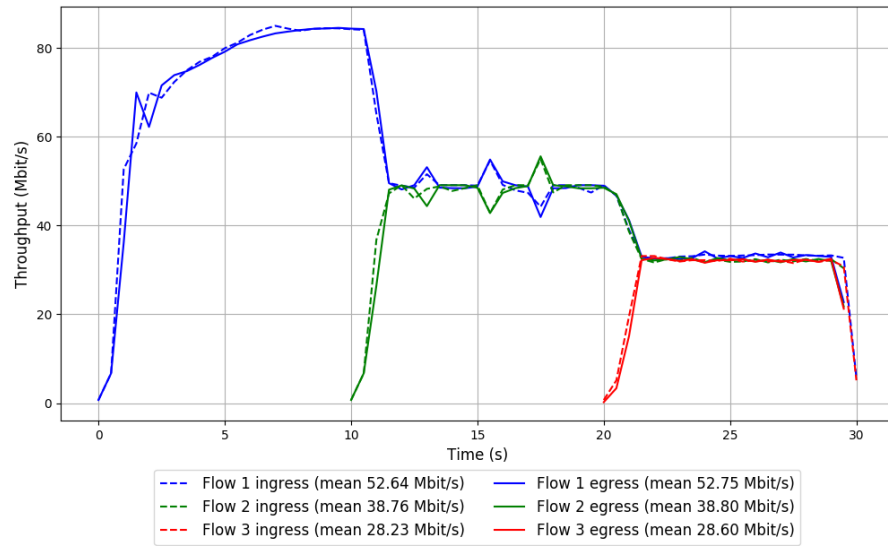
-- Flow 3:

Average throughput: 28.60 Mbit/s

95th percentile per-packet one-way delay: 115.715 ms

Loss rate: 3.78%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-17 01:26:10

End at: 2018-01-17 01:26:40

Local clock offset: 0.491 ms

Remote clock offset: 0.999 ms

Below is generated by plot.py at 2018-01-17 06:50:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.94 Mbit/s

95th percentile per-packet one-way delay: 114.436 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 52.60 Mbit/s

95th percentile per-packet one-way delay: 113.931 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 39.24 Mbit/s

95th percentile per-packet one-way delay: 115.689 ms

Loss rate: 1.40%

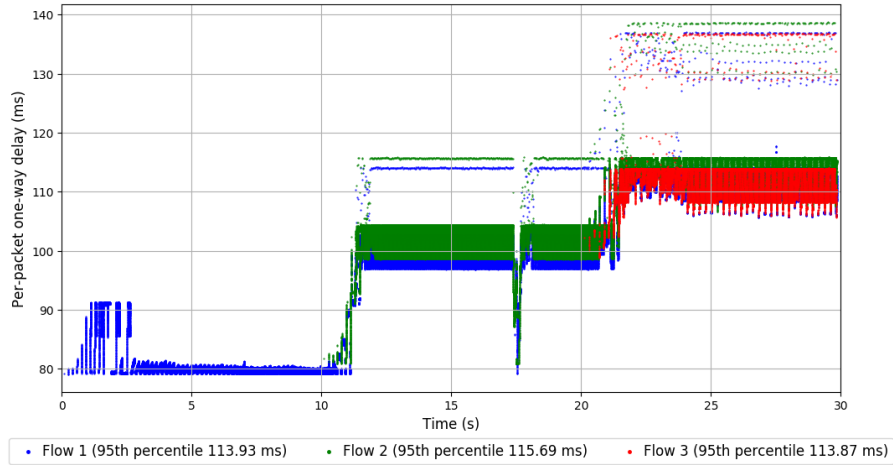
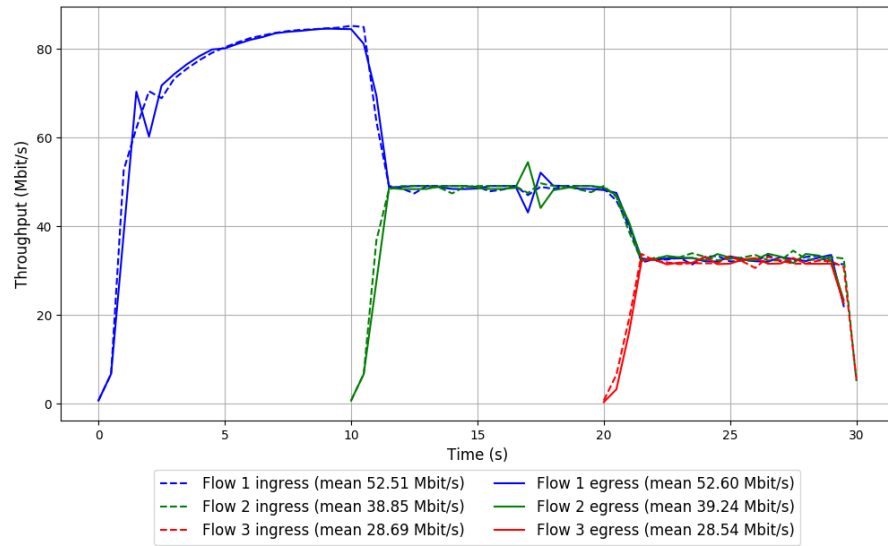
-- Flow 3:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 113.874 ms

Loss rate: 3.76%

Run 7: Report of TCP Cubic — Data Link

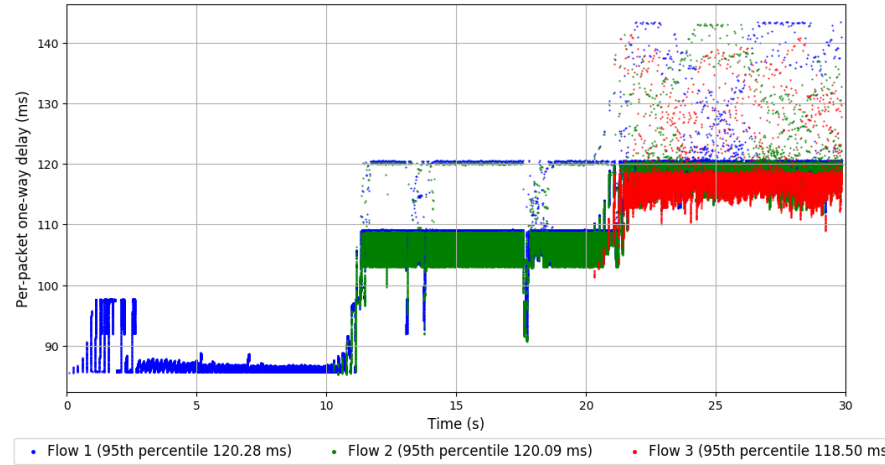
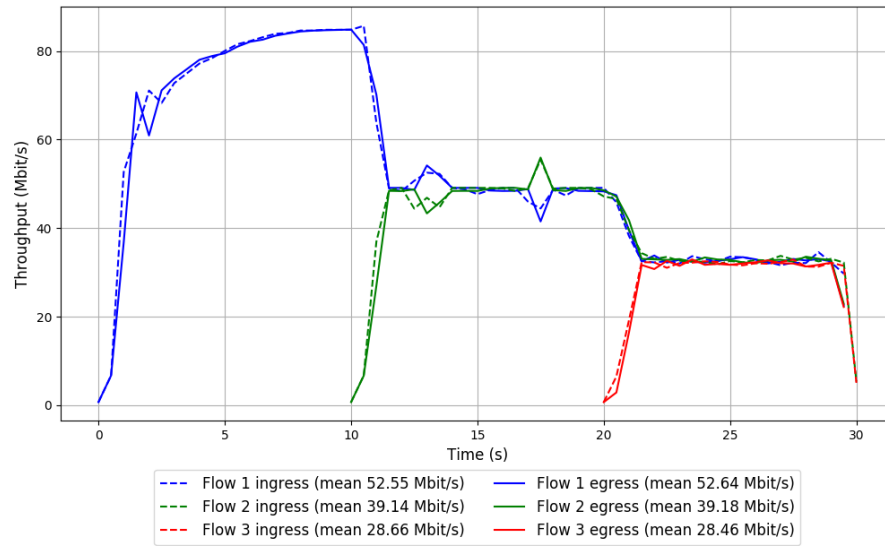


Run 8: Statistics of TCP Cubic

Start at: 2018-01-17 01:49:59
End at: 2018-01-17 01:50:29
Local clock offset: 0.588 ms
Remote clock offset: -4.148 ms

Below is generated by plot.py at 2018-01-17 06:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 120.103 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 52.64 Mbit/s
95th percentile per-packet one-way delay: 120.282 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 120.093 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 118.495 ms
Loss rate: 3.78%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-17 02:13:42

End at: 2018-01-17 02:14:12

Local clock offset: 0.801 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2018-01-17 06:50:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 115.802 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 53.03 Mbit/s

95th percentile per-packet one-way delay: 116.900 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 38.67 Mbit/s

95th percentile per-packet one-way delay: 114.324 ms

Loss rate: 1.44%

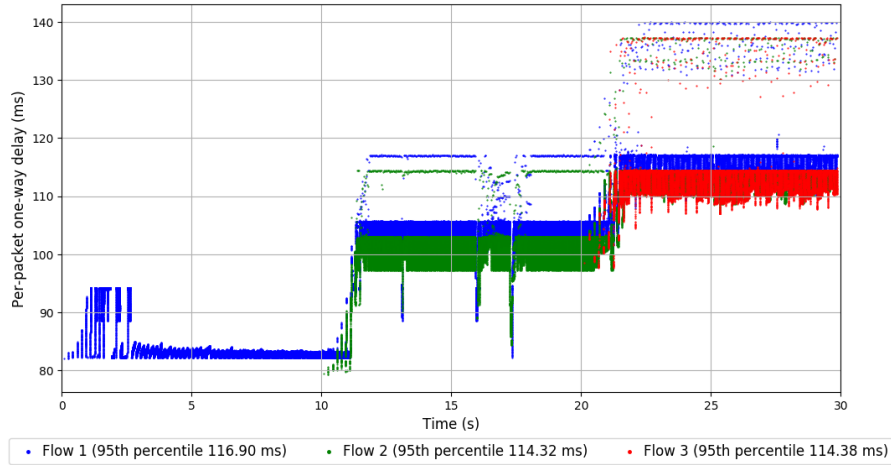
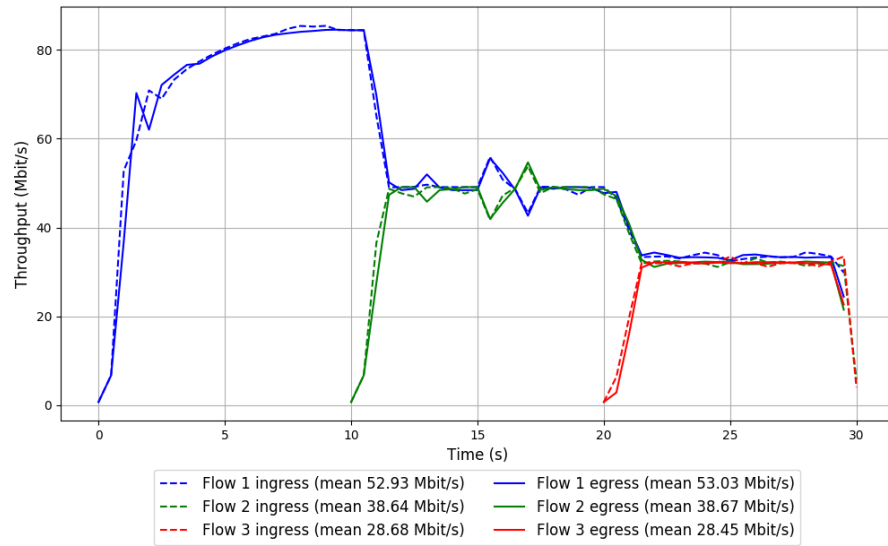
-- Flow 3:

Average throughput: 28.45 Mbit/s

95th percentile per-packet one-way delay: 114.376 ms

Loss rate: 3.76%

Run 9: Report of TCP Cubic — Data Link

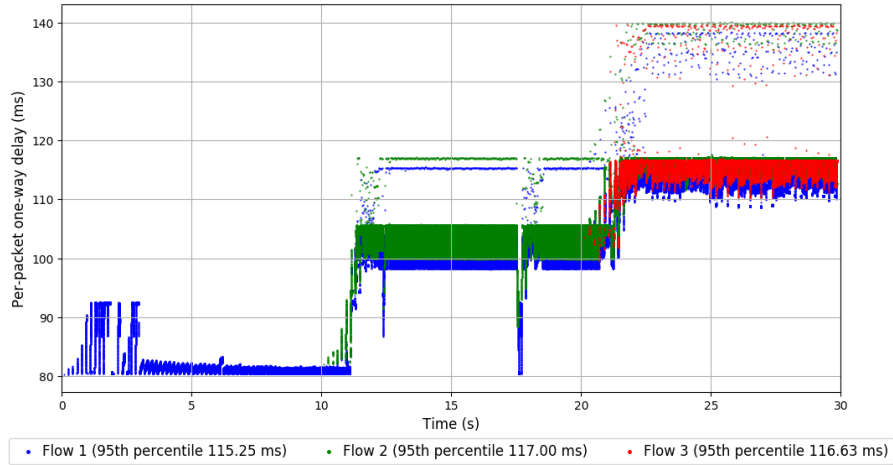
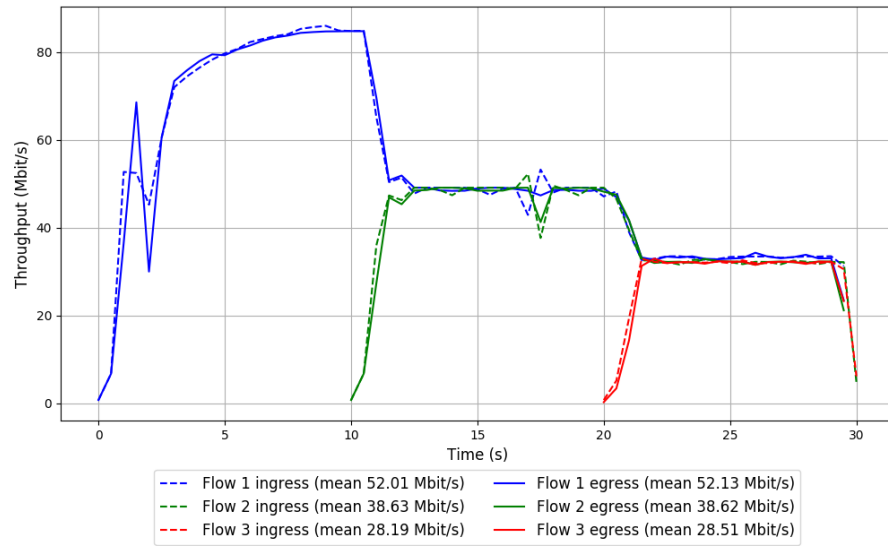


Run 10: Statistics of TCP Cubic

Start at: 2018-01-17 02:37:19
End at: 2018-01-17 02:37:49
Local clock offset: 0.977 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-01-17 06:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 116.827 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 115.253 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 117.002 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 116.630 ms
Loss rate: 3.76%

Run 10: Report of TCP Cubic — Data Link

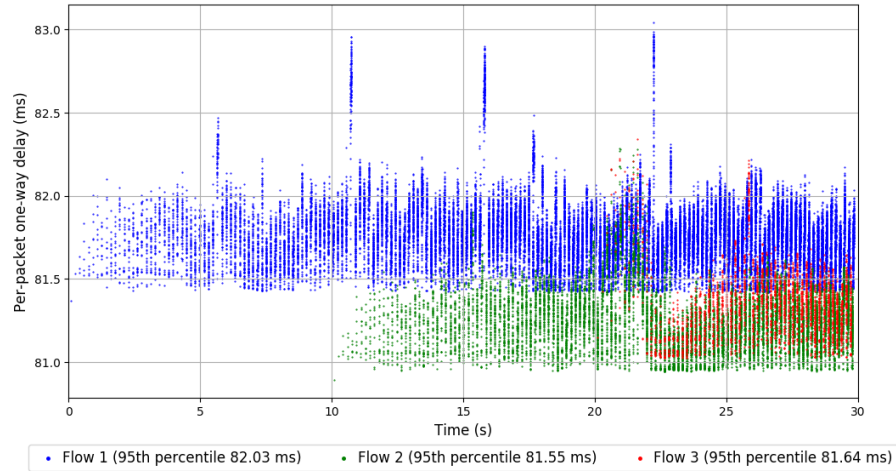
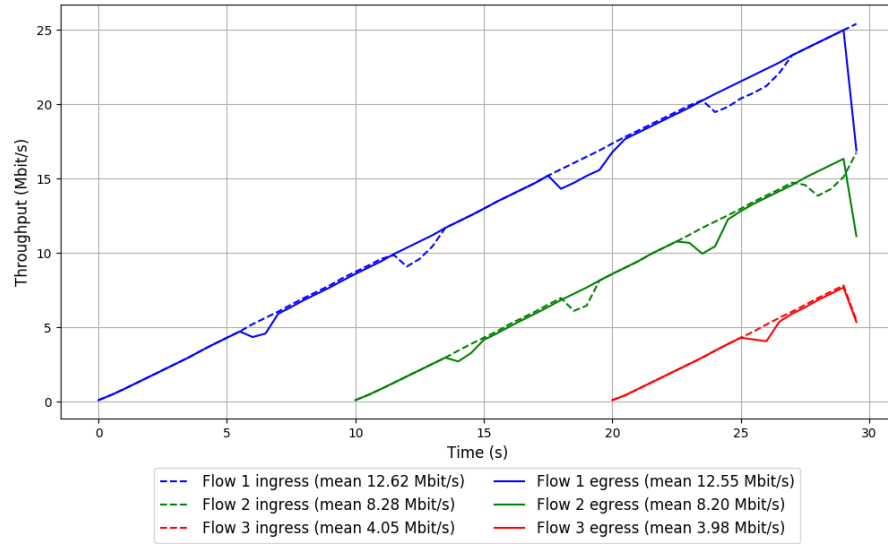


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-16 22:54:00
End at: 2018-01-16 22:54:30
Local clock offset: 0.452 ms
Remote clock offset: -0.989 ms

# Below is generated by plot.py at 2018-01-17 06:50:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 81.984 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 82.025 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 81.547 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 81.641 ms
Loss rate: 3.49%
```

Run 1: Report of LEDBAT — Data Link

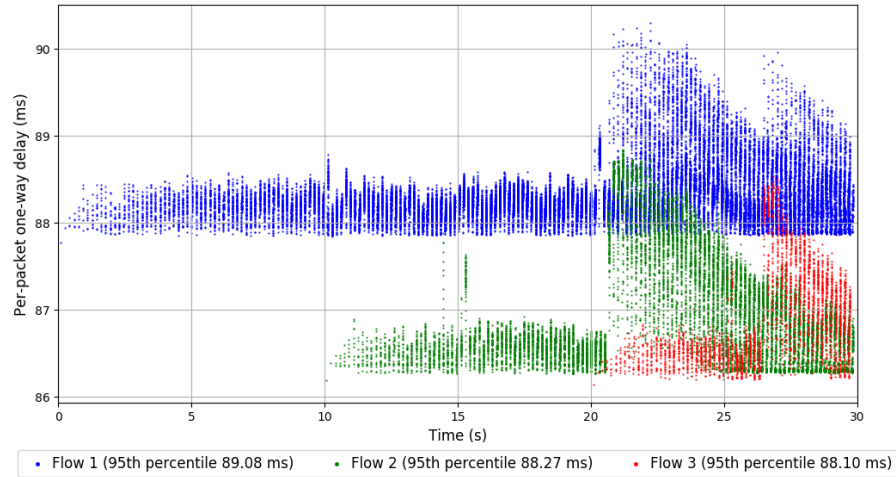
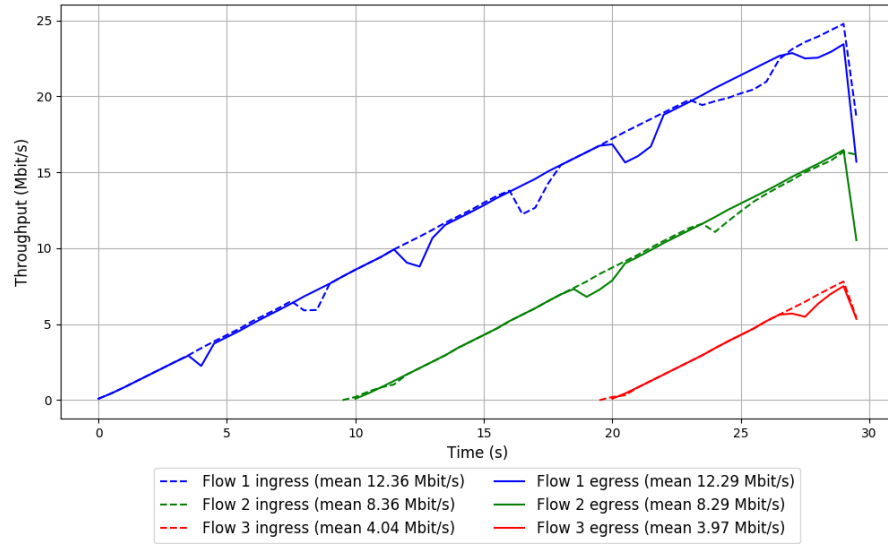


Run 2: Statistics of LEDBAT

Start at: 2018-01-16 23:17:36
End at: 2018-01-16 23:18:06
Local clock offset: 0.47 ms
Remote clock offset: -7.053 ms

Below is generated by plot.py at 2018-01-17 06:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 88.913 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 89.076 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 88.273 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 88.097 ms
Loss rate: 3.47%

Run 2: Report of LEDBAT — Data Link

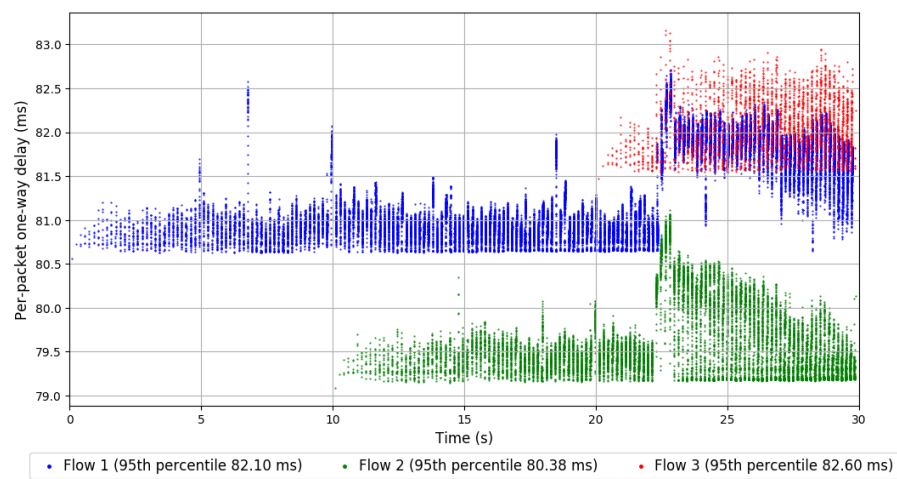
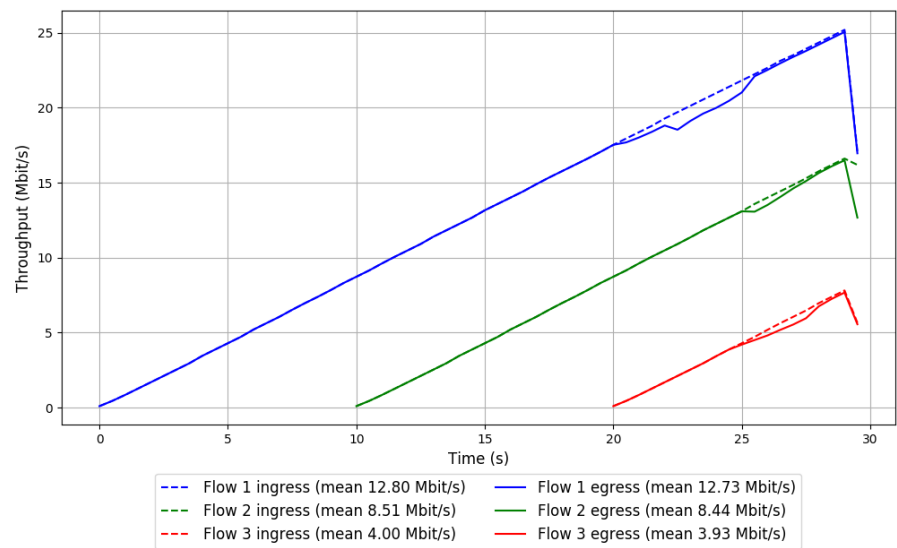


Run 3: Statistics of LEDBAT

Start at: 2018-01-16 23:41:19
End at: 2018-01-16 23:41:49
Local clock offset: 0.392 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-01-17 06:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 82.132 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 82.096 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 80.383 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 82.603 ms
Loss rate: 3.46%

Run 3: Report of LEDBAT — Data Link

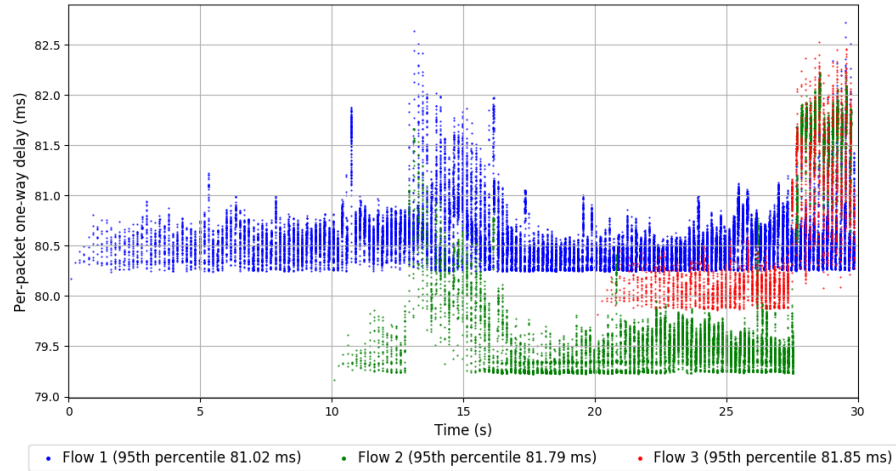
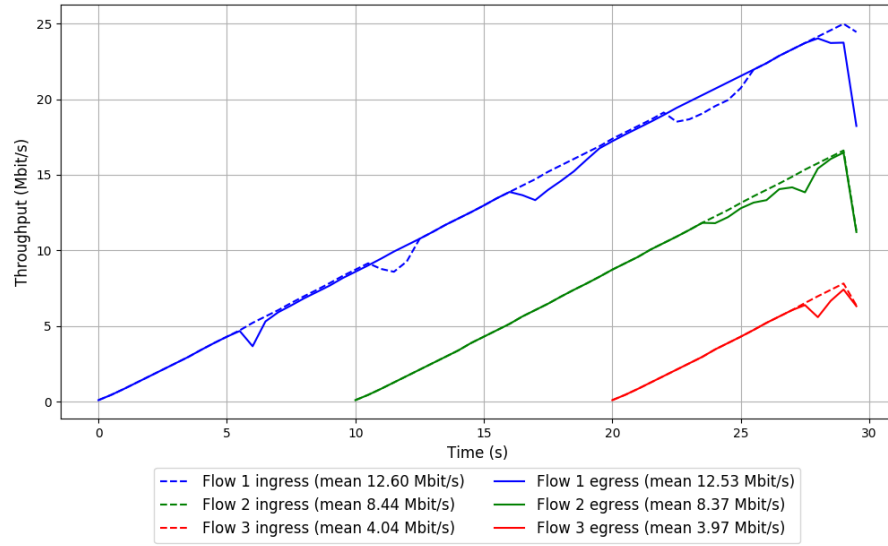


Run 4: Statistics of LEDBAT

Start at: 2018-01-17 00:04:55
End at: 2018-01-17 00:05:25
Local clock offset: 0.369 ms
Remote clock offset: 1.068 ms

Below is generated by plot.py at 2018-01-17 06:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 81.605 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 81.017 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 81.792 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 81.846 ms
Loss rate: 3.36%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-17 00:28:35

End at: 2018-01-17 00:29:05

Local clock offset: 0.375 ms

Remote clock offset: 1.717 ms

Below is generated by plot.py at 2018-01-17 06:50:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.88 Mbit/s

95th percentile per-packet one-way delay: 82.190 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 12.87 Mbit/s

95th percentile per-packet one-way delay: 81.811 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 82.654 ms

Loss rate: 1.83%

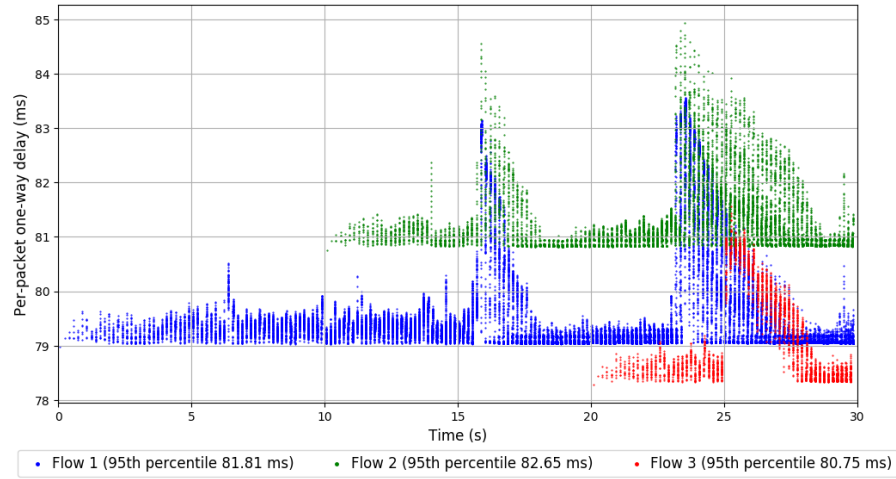
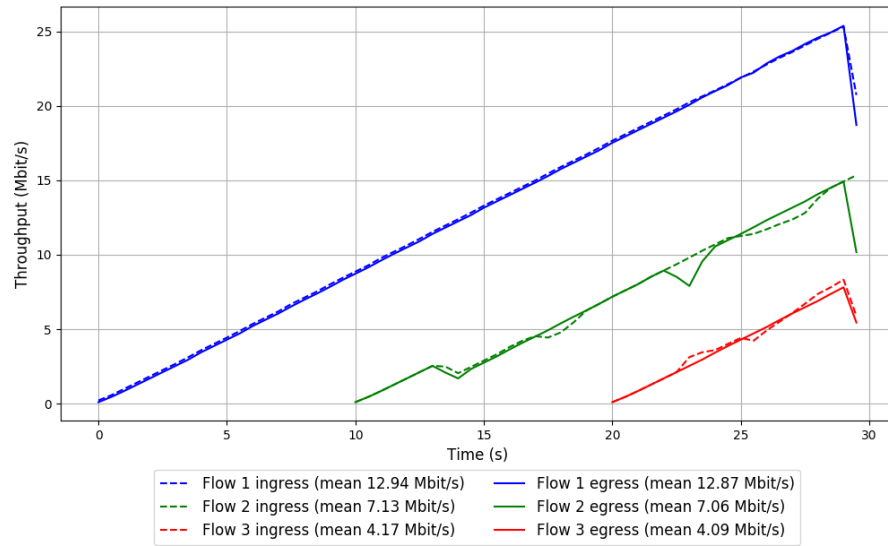
-- Flow 3:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 80.752 ms

Loss rate: 3.41%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-17 00:52:14

End at: 2018-01-17 00:52:44

Local clock offset: 0.382 ms

Remote clock offset: -3.57 ms

Below is generated by plot.py at 2018-01-17 06:50:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.49 Mbit/s

95th percentile per-packet one-way delay: 87.319 ms

Loss rate: 1.44%

-- Flow 1:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 87.090 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 8.53 Mbit/s

95th percentile per-packet one-way delay: 87.594 ms

Loss rate: 1.67%

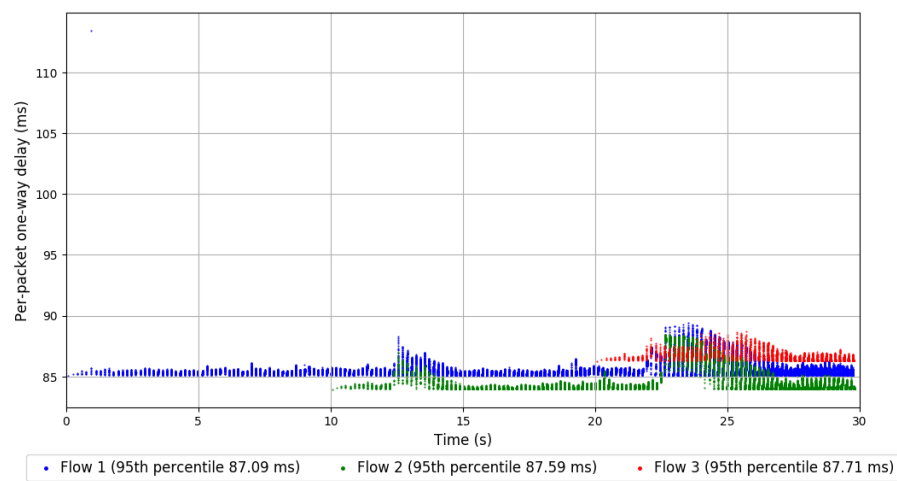
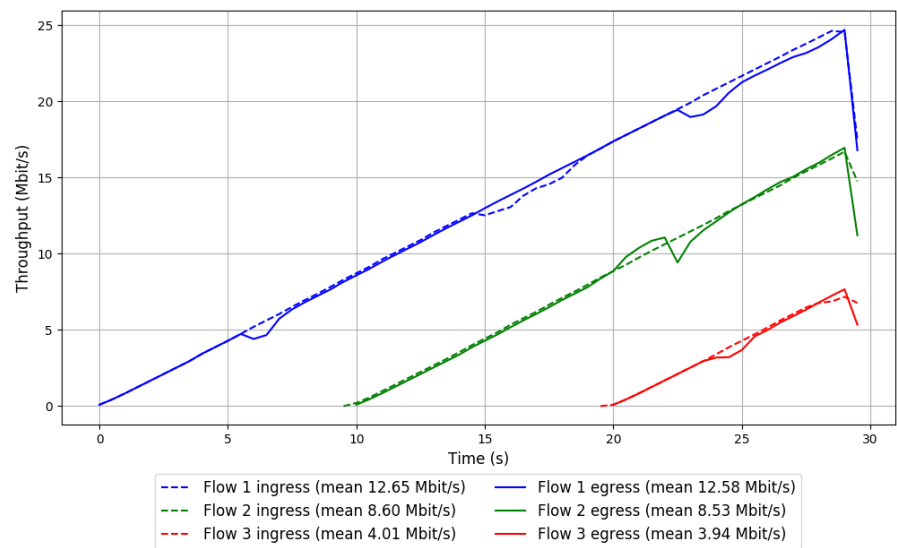
-- Flow 3:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 87.709 ms

Loss rate: 3.47%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-01-17 01:15:53

End at: 2018-01-17 01:16:23

Local clock offset: 0.372 ms

Remote clock offset: 0.592 ms

Below is generated by plot.py at 2018-01-17 06:50:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.41 Mbit/s

95th percentile per-packet one-way delay: 84.010 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 12.54 Mbit/s

95th percentile per-packet one-way delay: 84.096 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 8.41 Mbit/s

95th percentile per-packet one-way delay: 83.682 ms

Loss rate: 1.69%

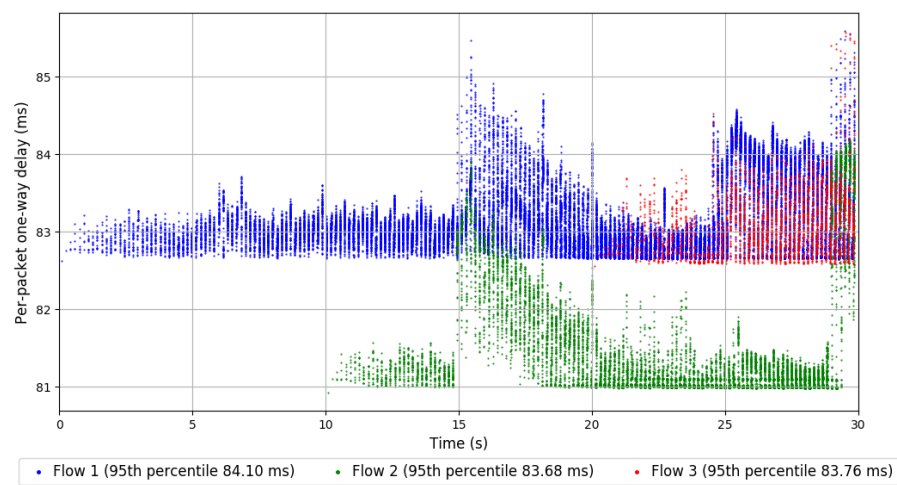
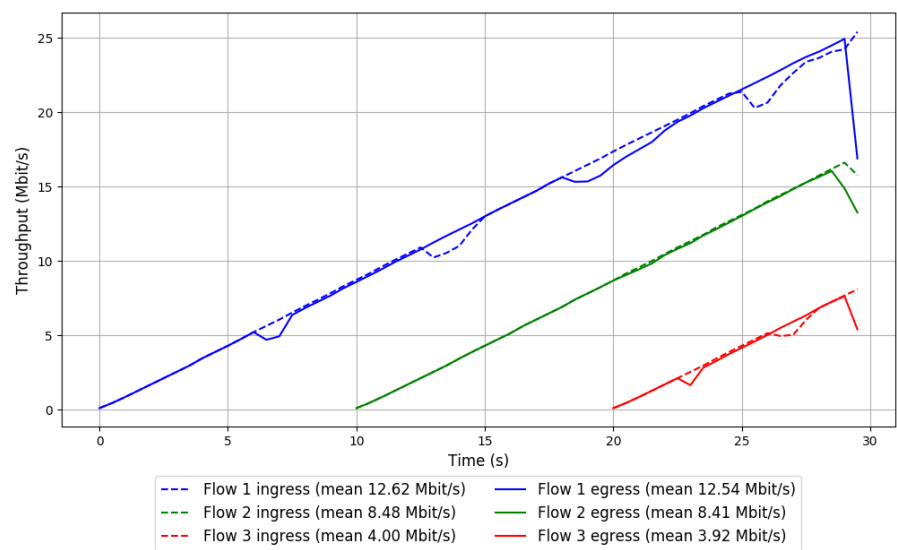
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 83.756 ms

Loss rate: 3.46%

Run 7: Report of LEDBAT — Data Link

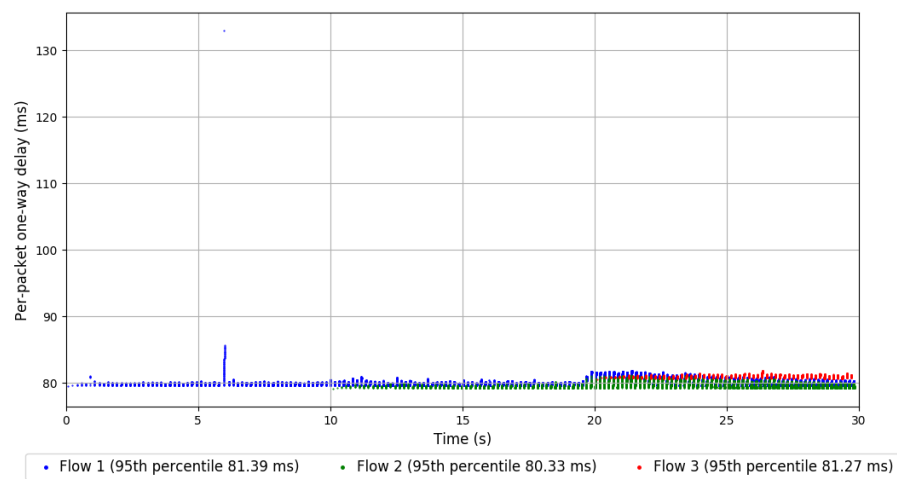
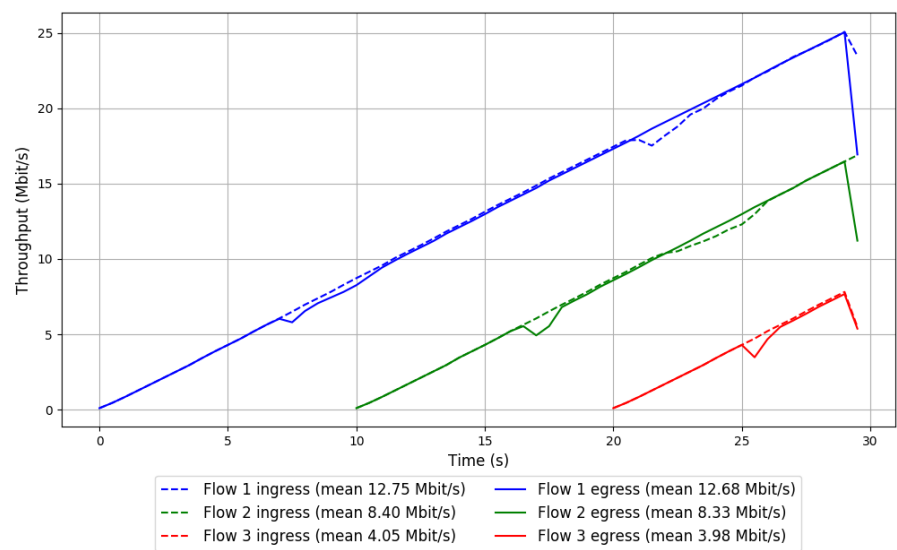


Run 8: Statistics of LEDBAT

Start at: 2018-01-17 01:39:40
End at: 2018-01-17 01:40:10
Local clock offset: 0.501 ms
Remote clock offset: 1.526 ms

Below is generated by plot.py at 2018-01-17 06:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.48 Mbit/s
95th percentile per-packet one-way delay: 81.274 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 81.394 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 80.328 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 81.273 ms
Loss rate: 3.49%

Run 8: Report of LEDBAT — Data Link

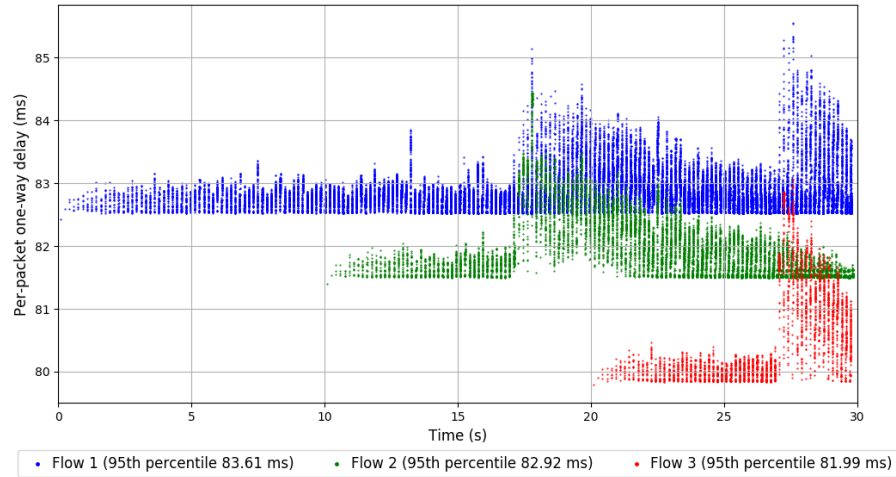
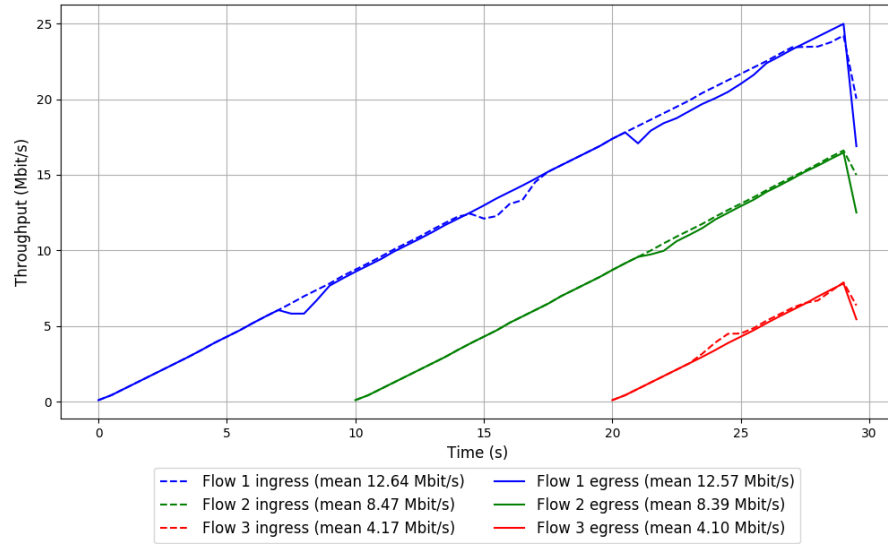


Run 9: Statistics of LEDBAT

Start at: 2018-01-17 02:03:26
End at: 2018-01-17 02:03:56
Local clock offset: 0.659 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-01-17 06:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 83.455 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 83.615 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 82.917 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 81.986 ms
Loss rate: 3.41%

Run 9: Report of LEDBAT — Data Link

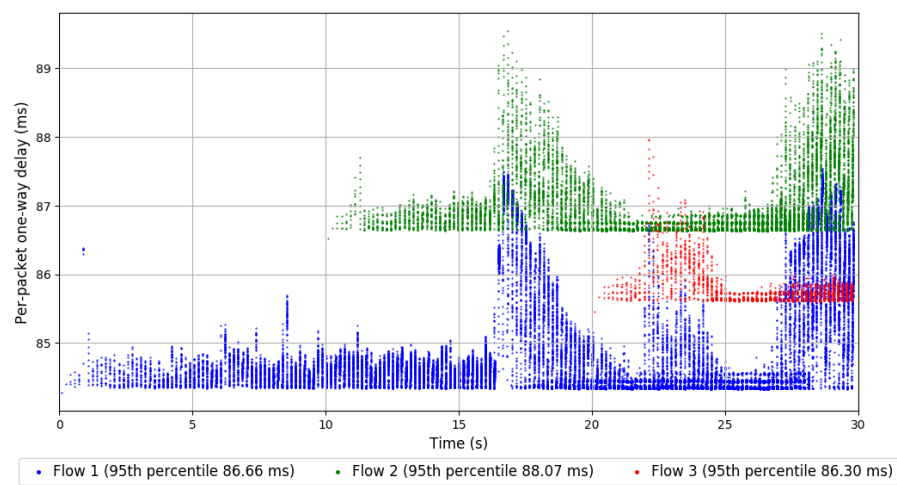
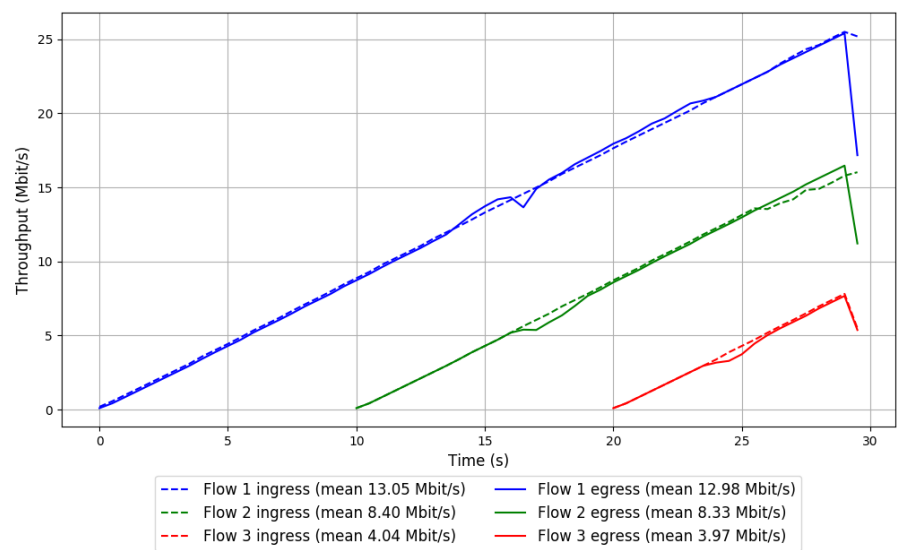


Run 10: Statistics of LEDBAT

Start at: 2018-01-17 02:27:02
End at: 2018-01-17 02:27:32
Local clock offset: 0.901 ms
Remote clock offset: -4.968 ms

Below is generated by plot.py at 2018-01-17 06:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 87.316 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 86.664 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 88.070 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 86.295 ms
Loss rate: 3.50%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

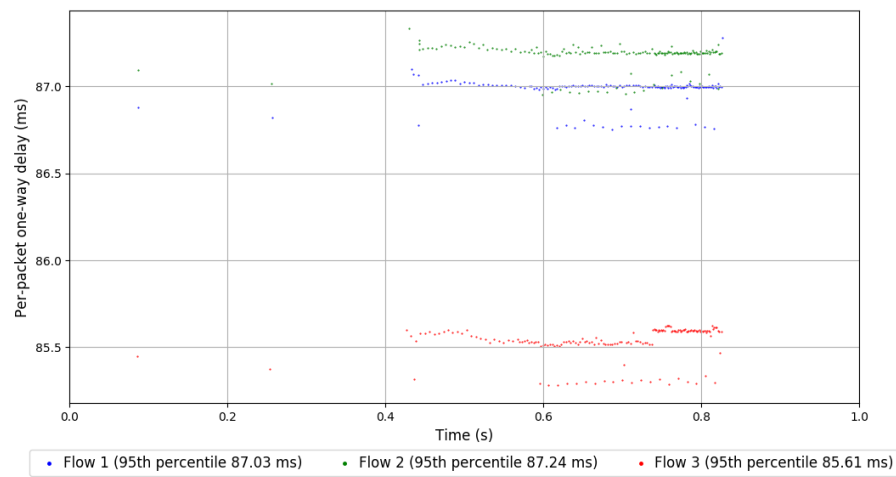
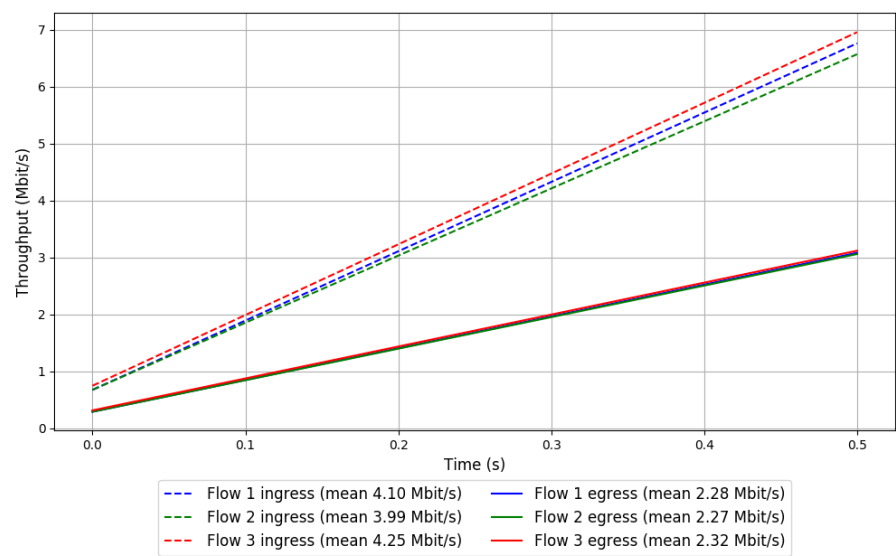
Start at: 2018-01-16 23:13:42

End at: 2018-01-16 23:14:12

Local clock offset: 0.465 ms

Remote clock offset: -6.395 ms

Run 1: Report of PCC — Data Link

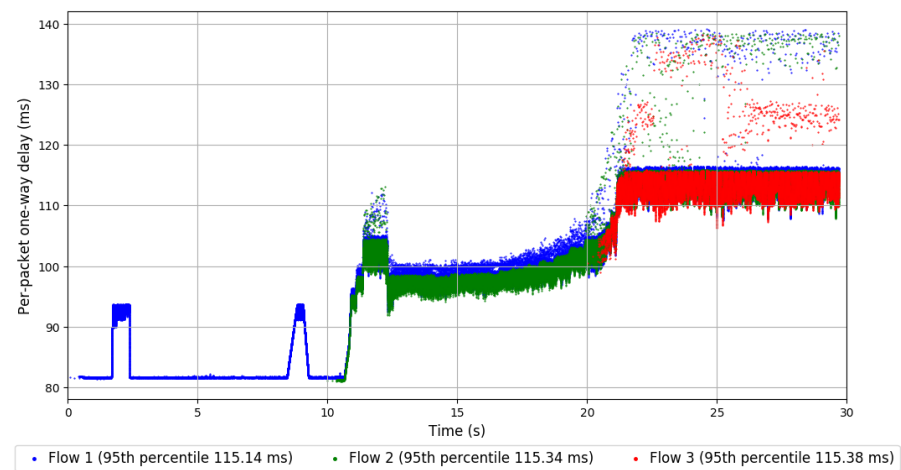
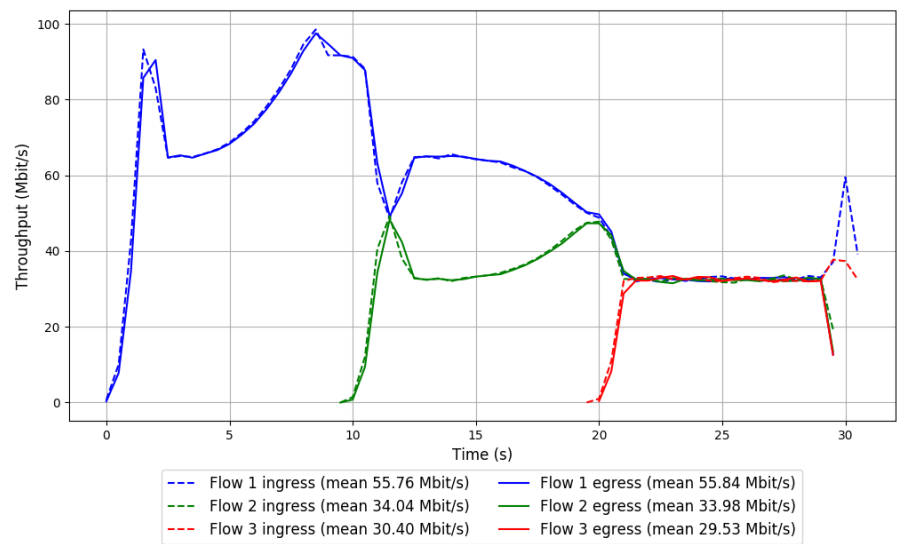


Run 2: Statistics of PCC

Start at: 2018-01-16 23:37:21
End at: 2018-01-16 23:37:51
Local clock offset: 0.423 ms
Remote clock offset: -1.158 ms

Below is generated by plot.py at 2018-01-17 06:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: 115.280 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 55.84 Mbit/s
95th percentile per-packet one-way delay: 115.144 ms
Loss rate: 3.81%
-- Flow 2:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 115.340 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 115.380 ms
Loss rate: 15.12%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

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

End at: 2018-01-17 00:01:31

Local clock offset: 0.295 ms

Remote clock offset: 1.787 ms

Run 3: Report of PCC — Data Link

Figure is missing

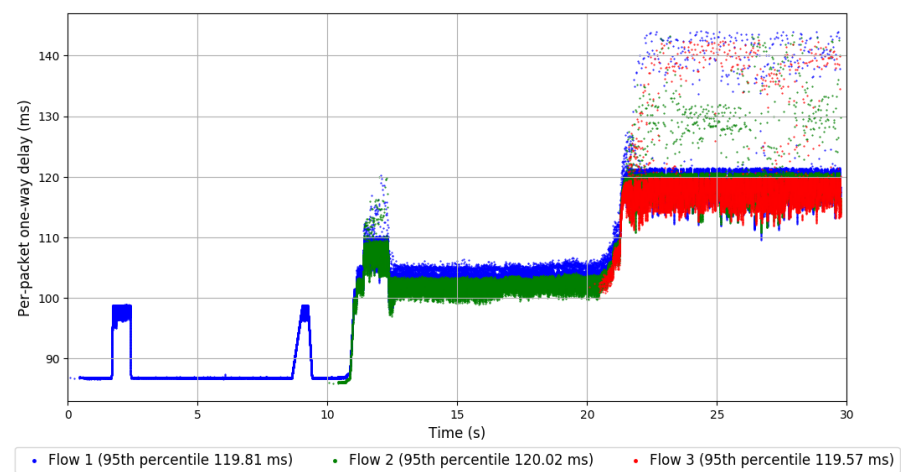
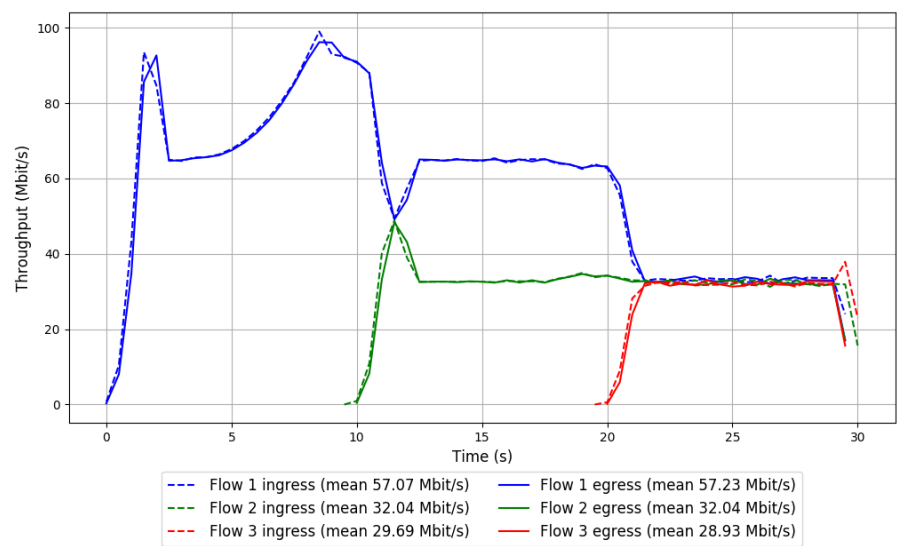
Figure is missing

Run 4: Statistics of PCC

Start at: 2018-01-17 00:24:37
End at: 2018-01-17 00:25:07
Local clock offset: 0.361 ms
Remote clock offset: -4.193 ms

Below is generated by plot.py at 2018-01-17 06:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 119.828 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 119.809 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 120.020 ms
Loss rate: 2.98%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 119.571 ms
Loss rate: 8.41%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-17 00:48:17

End at: 2018-01-17 00:48:47

Local clock offset: 0.369 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-01-17 06:51:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 115.677 ms

Loss rate: 2.58%

-- Flow 1:

Average throughput: 57.02 Mbit/s

95th percentile per-packet one-way delay: 115.637 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 115.161 ms

Loss rate: 4.75%

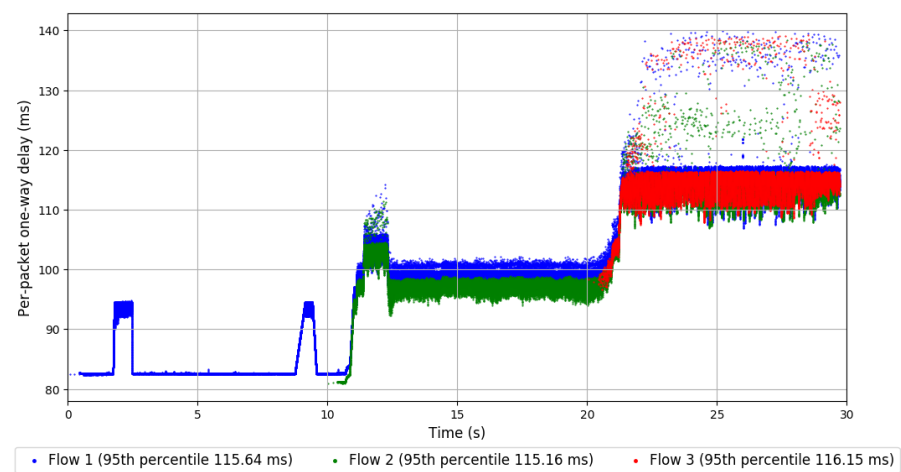
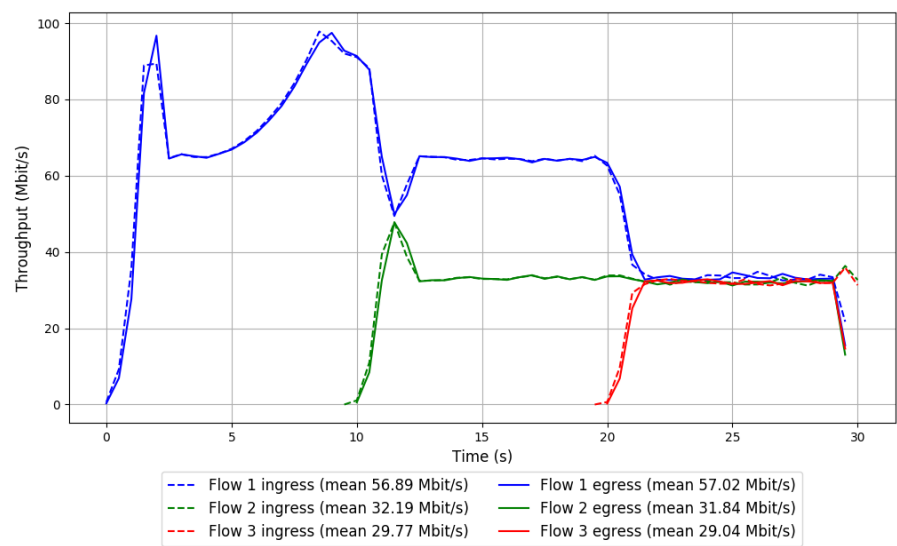
-- Flow 3:

Average throughput: 29.04 Mbit/s

95th percentile per-packet one-way delay: 116.146 ms

Loss rate: 9.74%

Run 5: Report of PCC — Data Link

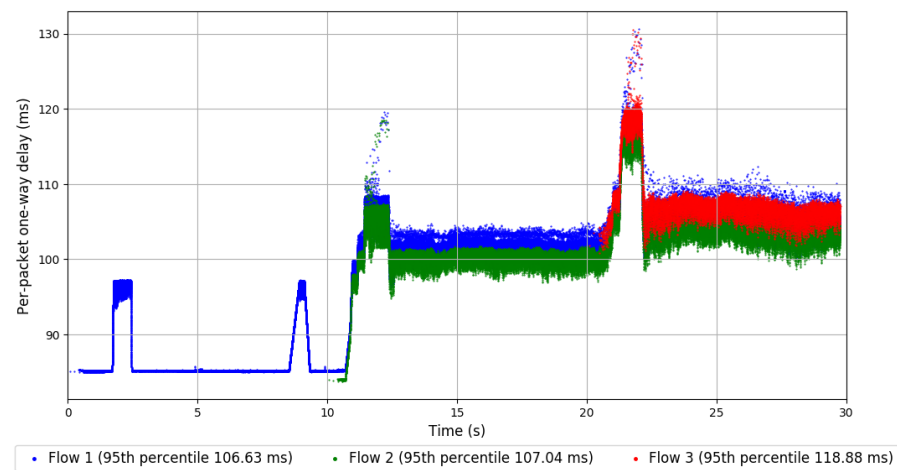
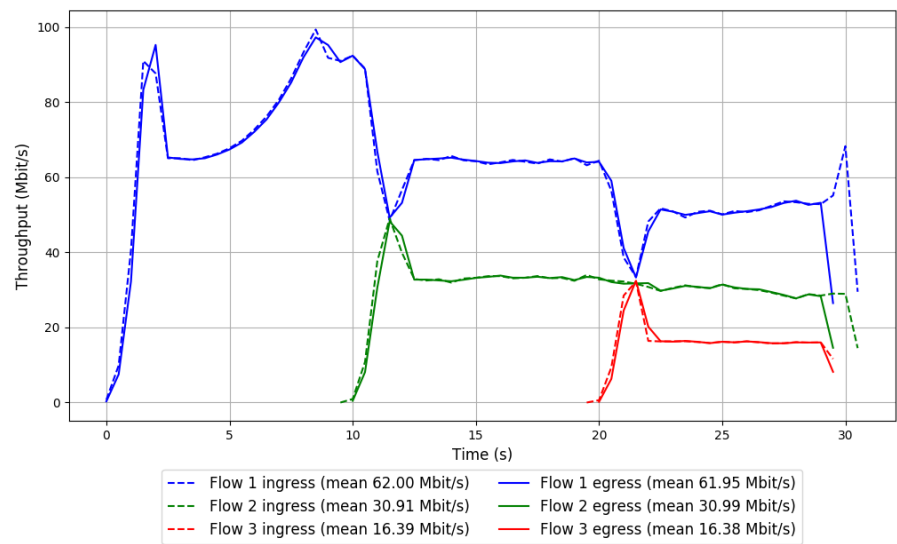


Run 6: Statistics of PCC

Start at: 2018-01-17 01:11:54
End at: 2018-01-17 01:12:24
Local clock offset: 0.417 ms
Remote clock offset: -3.279 ms

Below is generated by plot.py at 2018-01-17 06:51:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 107.640 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 106.633 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 107.040 ms
Loss rate: 4.96%
-- Flow 3:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 118.878 ms
Loss rate: 2.12%

Run 6: Report of PCC — Data Link

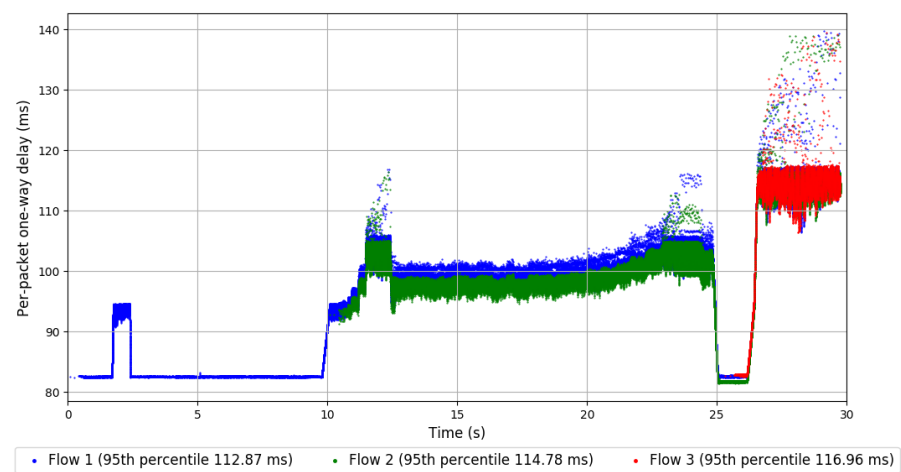
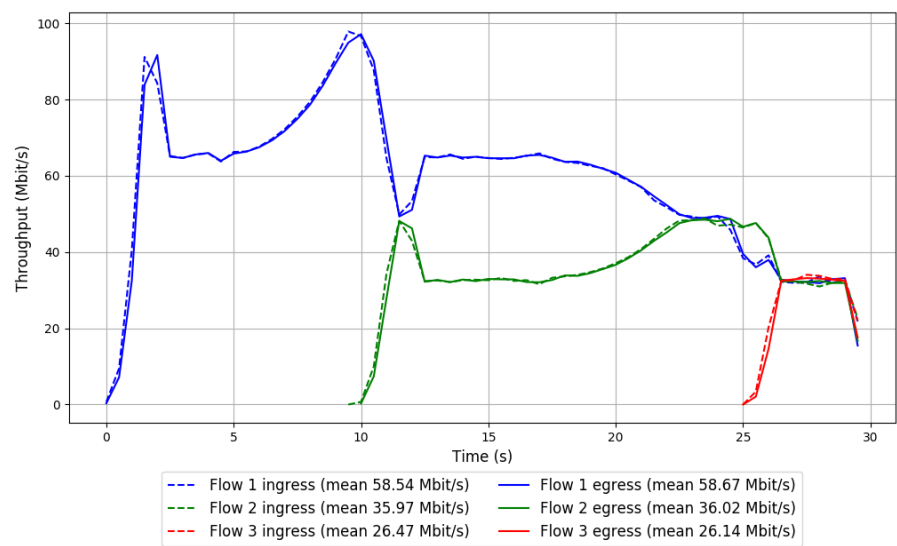


Run 7: Statistics of PCC

Start at: 2018-01-17 01:35:41
End at: 2018-01-17 01:36:11
Local clock offset: 0.534 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-01-17 06:51:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.45 Mbit/s
95th percentile per-packet one-way delay: 114.843 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 112.869 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 114.785 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 26.14 Mbit/s
95th percentile per-packet one-way delay: 116.964 ms
Loss rate: 5.46%

Run 7: Report of PCC — Data Link

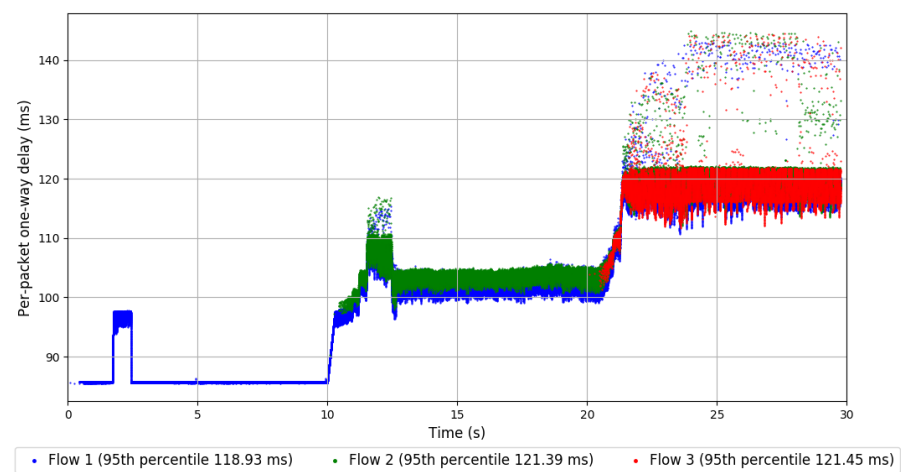
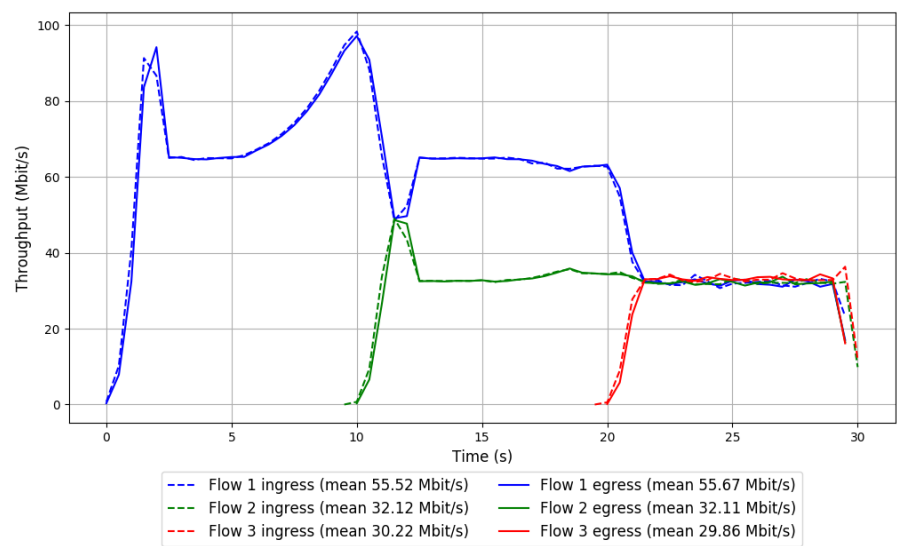


Run 8: Statistics of PCC

Start at: 2018-01-17 01:59:27
End at: 2018-01-17 01:59:57
Local clock offset: 0.644 ms
Remote clock offset: -4.953 ms

Below is generated by plot.py at 2018-01-17 06:51:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 120.689 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 55.67 Mbit/s
95th percentile per-packet one-way delay: 118.929 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 121.388 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 121.447 ms
Loss rate: 6.28%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-17 02:23:07

End at: 2018-01-17 02:23:37

Local clock offset: 0.9 ms

Remote clock offset: -4.87 ms

Run 9: Report of PCC — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC

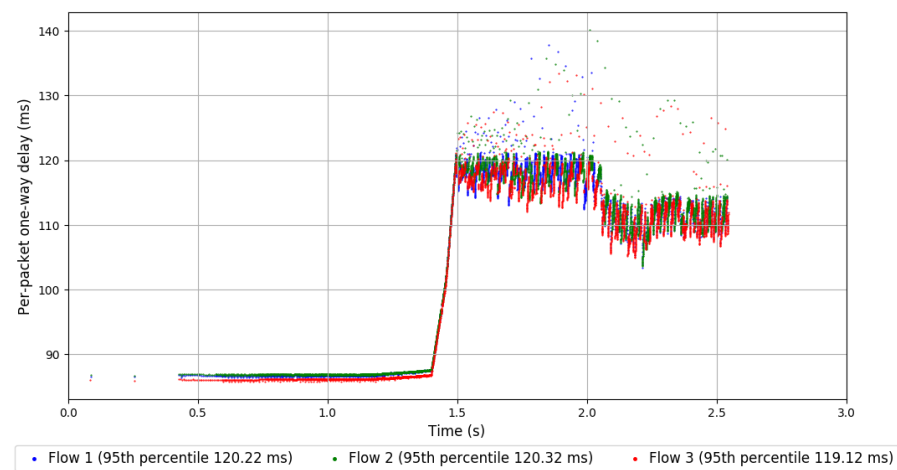
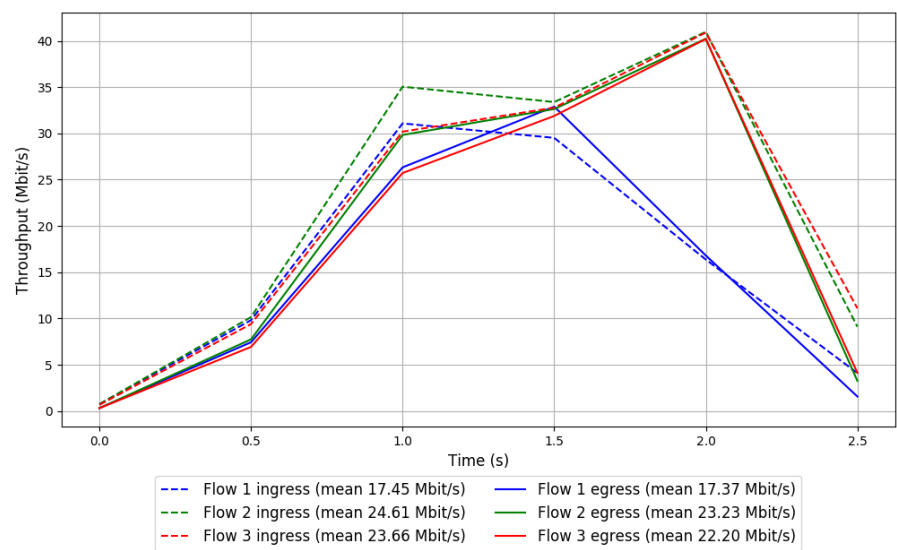
Start at: 2018-01-17 02:46:45

End at: 2018-01-17 02:47:15

Local clock offset: 0.917 ms

Remote clock offset: -5.082 ms

Run 10: Report of PCC — Data Link

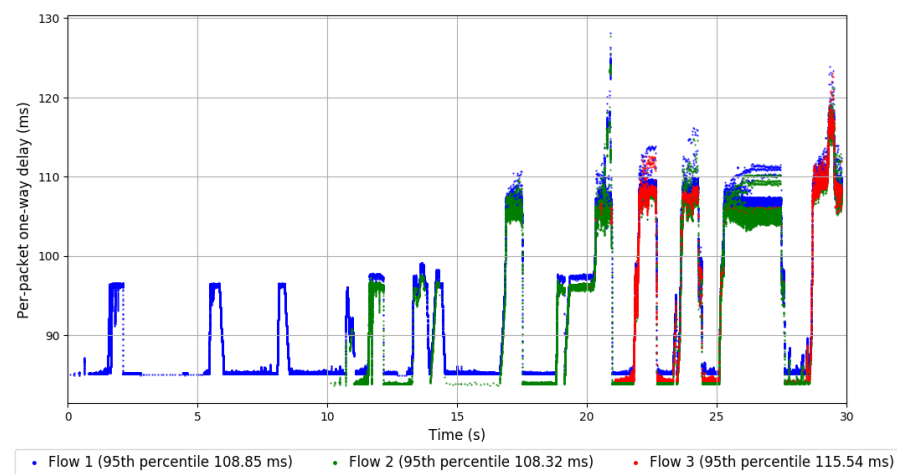
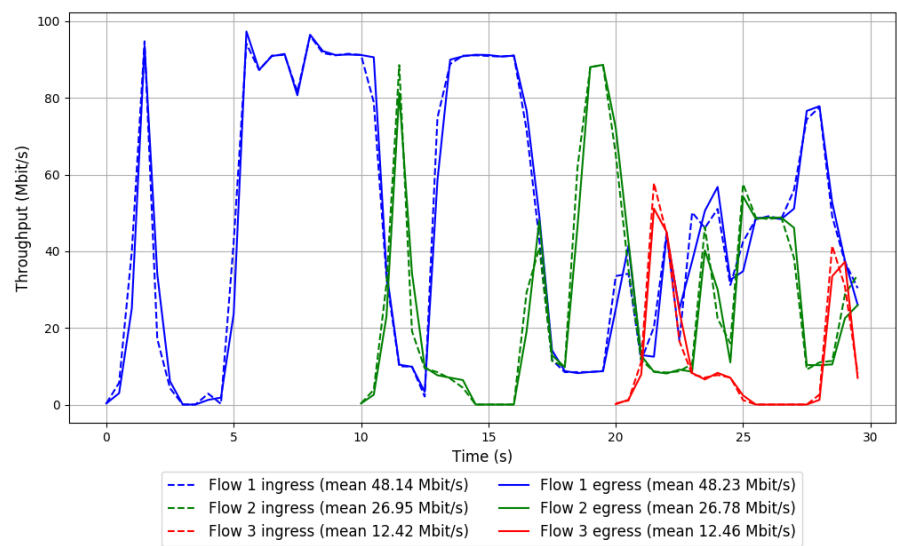


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 23:14:55
End at: 2018-01-16 23:15:25
Local clock offset: 0.408 ms
Remote clock offset: -6.254 ms

Below is generated by plot.py at 2018-01-17 06:51:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 109.014 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 108.848 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 108.323 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 115.537 ms
Loss rate: 1.63%

Run 1: Report of QUIC Cubic — Data Link

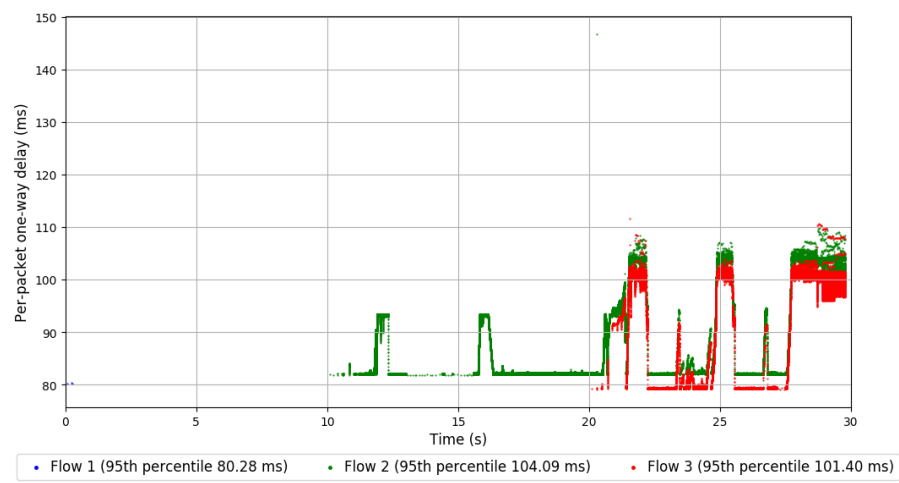
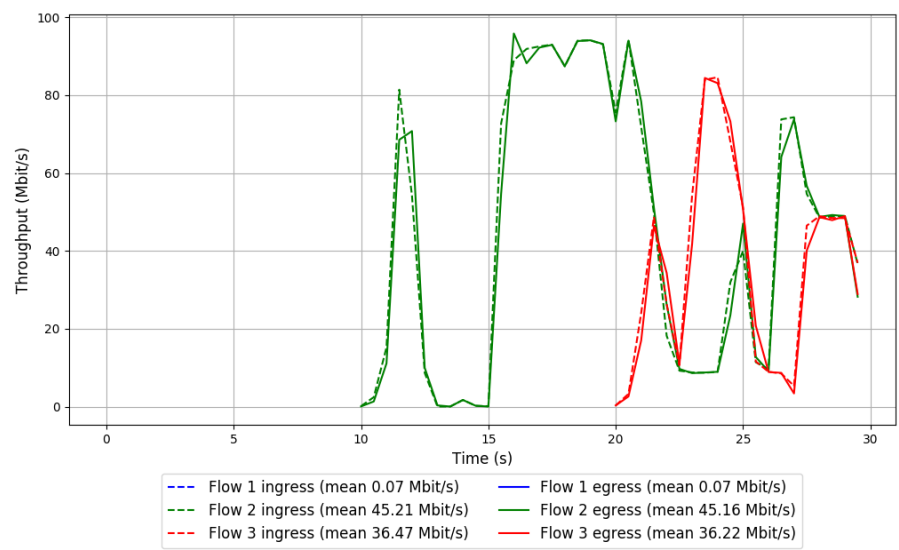


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 23:38:40
End at: 2018-01-16 23:39:10
Local clock offset: 0.428 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-01-17 06:51:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 104.032 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 80.282 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.16 Mbit/s
95th percentile per-packet one-way delay: 104.086 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 101.400 ms
Loss rate: 2.50%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-17 00:02:15

End at: 2018-01-17 00:02:45

Local clock offset: 0.308 ms

Remote clock offset: 1.022 ms

Below is generated by plot.py at 2018-01-17 06:51:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.74 Mbit/s

95th percentile per-packet one-way delay: 112.533 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 40.22 Mbit/s

95th percentile per-packet one-way delay: 110.942 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 20.76 Mbit/s

95th percentile per-packet one-way delay: 114.095 ms

Loss rate: 1.25%

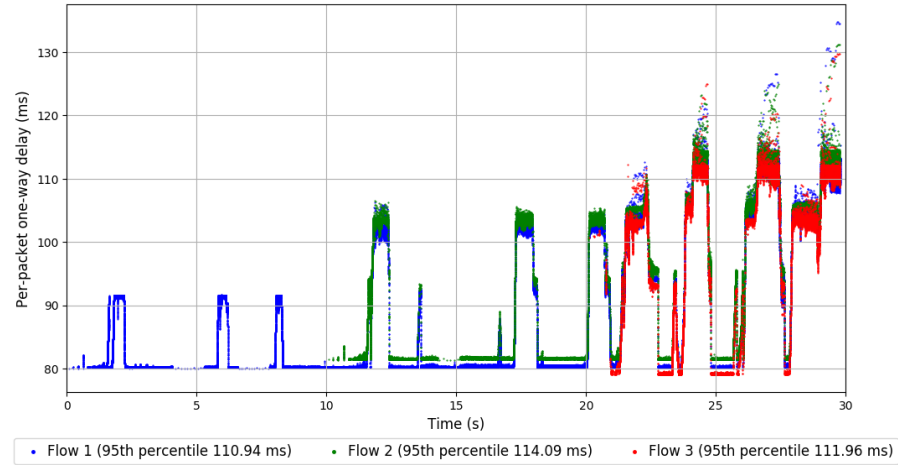
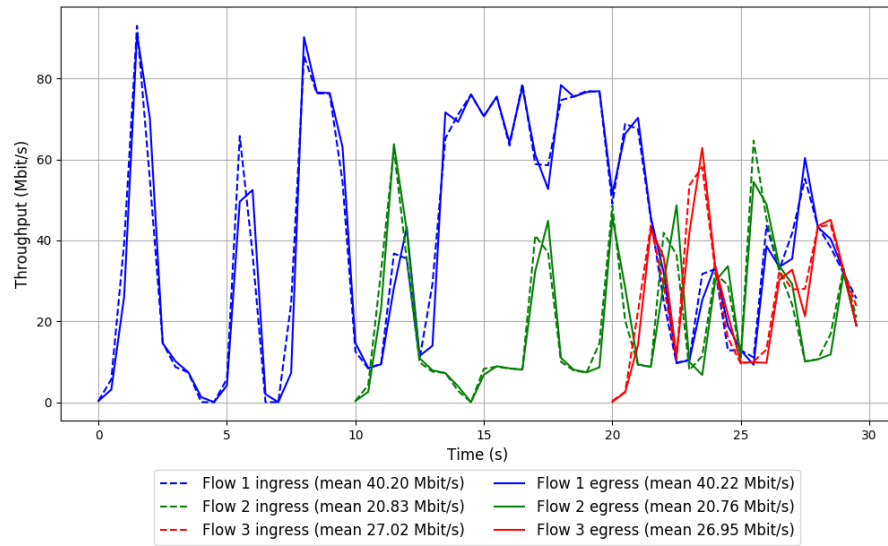
-- Flow 3:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 111.958 ms

Loss rate: 2.27%

Run 3: Report of QUIC Cubic — Data Link

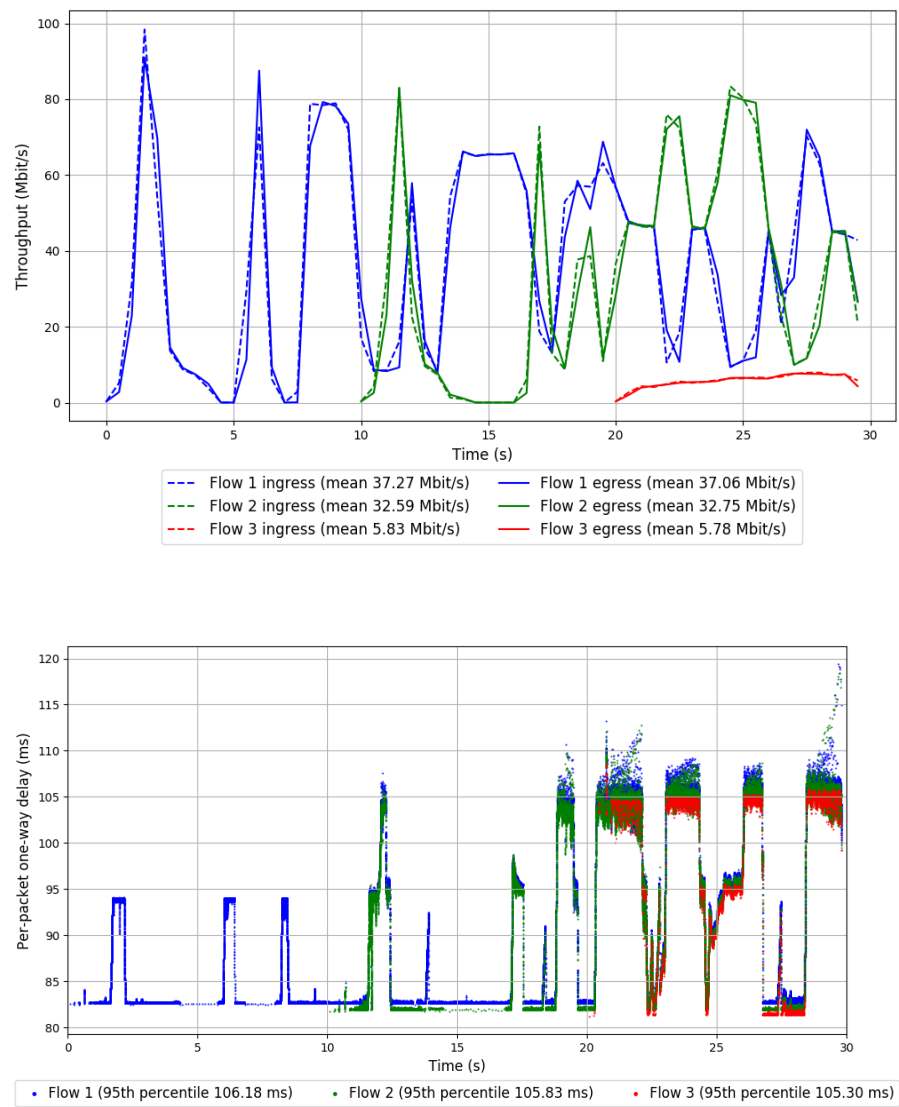


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-17 00:25:55
End at: 2018-01-17 00:26:25
Local clock offset: 0.362 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-01-17 06:51:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.66 Mbit/s
95th percentile per-packet one-way delay: 106.050 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 106.184 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 105.827 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 105.297 ms
Loss rate: 2.50%

Run 4: Report of QUIC Cubic — Data Link

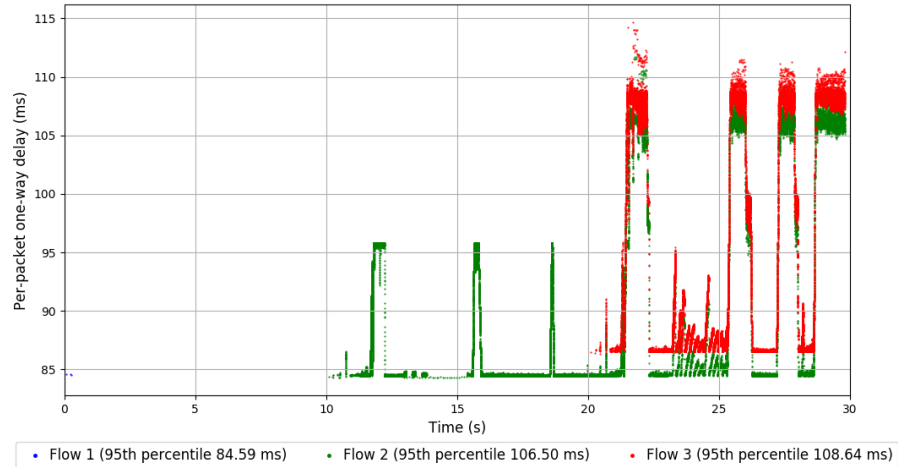
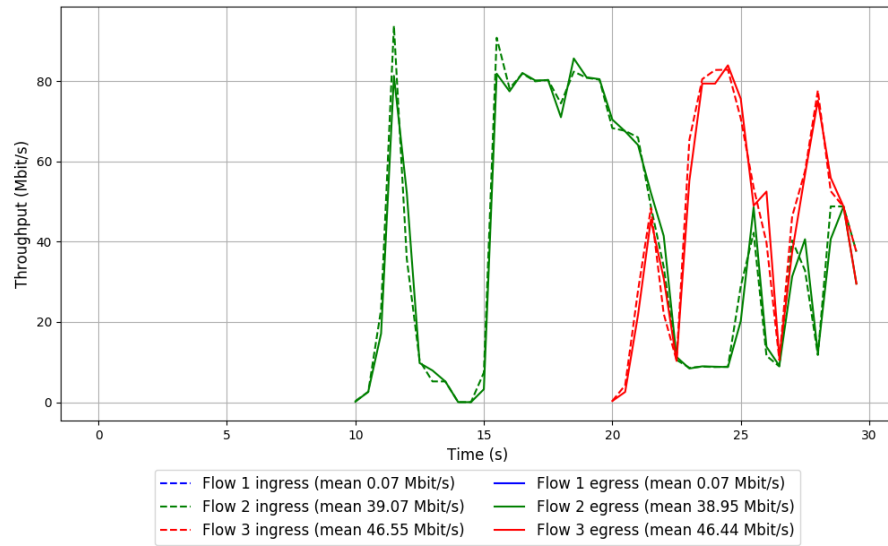


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-17 00:49:35
End at: 2018-01-17 00:50:05
Local clock offset: 0.383 ms
Remote clock offset: -4.455 ms

Below is generated by plot.py at 2018-01-17 06:51:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 108.454 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 84.588 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 106.504 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 108.637 ms
Loss rate: 2.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-01-17 01:13:12

End at: 2018-01-17 01:13:42

Local clock offset: 0.447 ms

Remote clock offset: 1.429 ms

Below is generated by plot.py at 2018-01-17 06:52:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.38 Mbit/s

95th percentile per-packet one-way delay: 111.703 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 35.76 Mbit/s

95th percentile per-packet one-way delay: 111.159 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 39.67 Mbit/s

95th percentile per-packet one-way delay: 112.345 ms

Loss rate: 0.25%

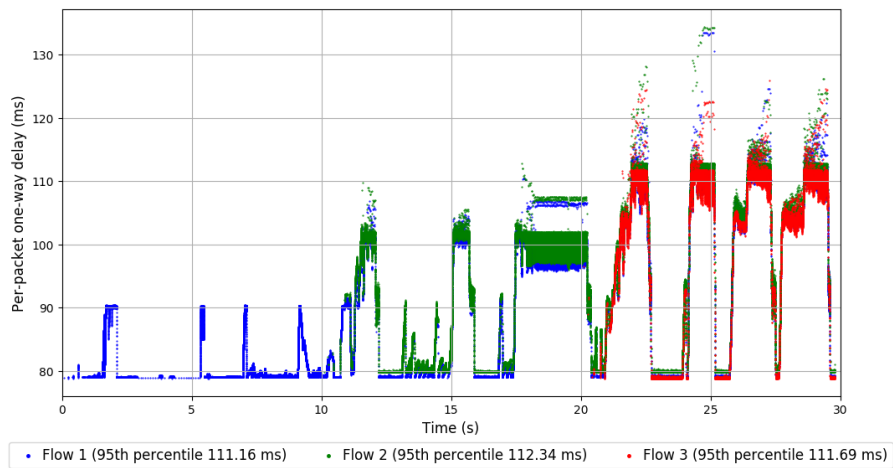
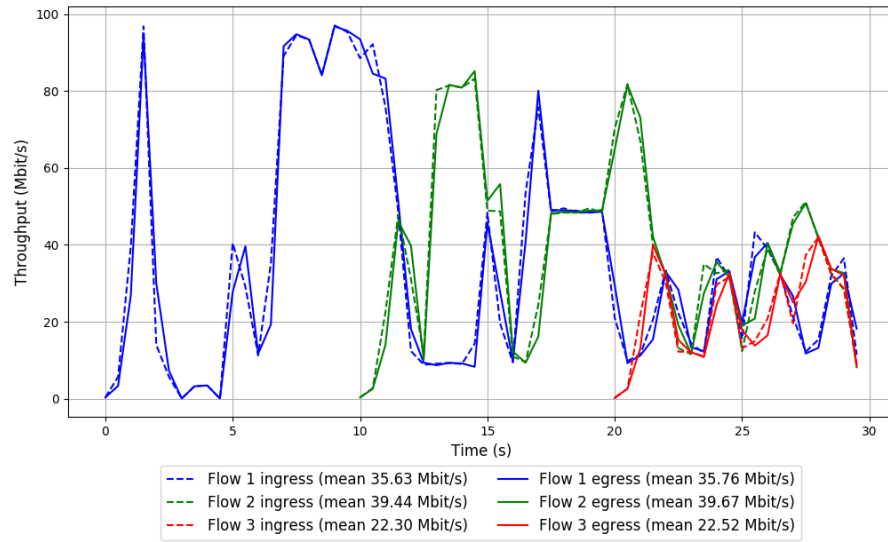
-- Flow 3:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 111.691 ms

Loss rate: 0.91%

Run 6: Report of QUIC Cubic — Data Link

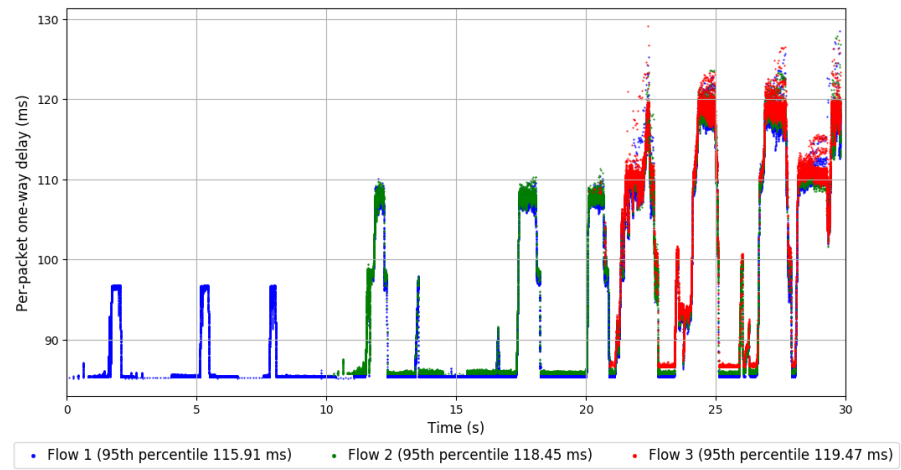
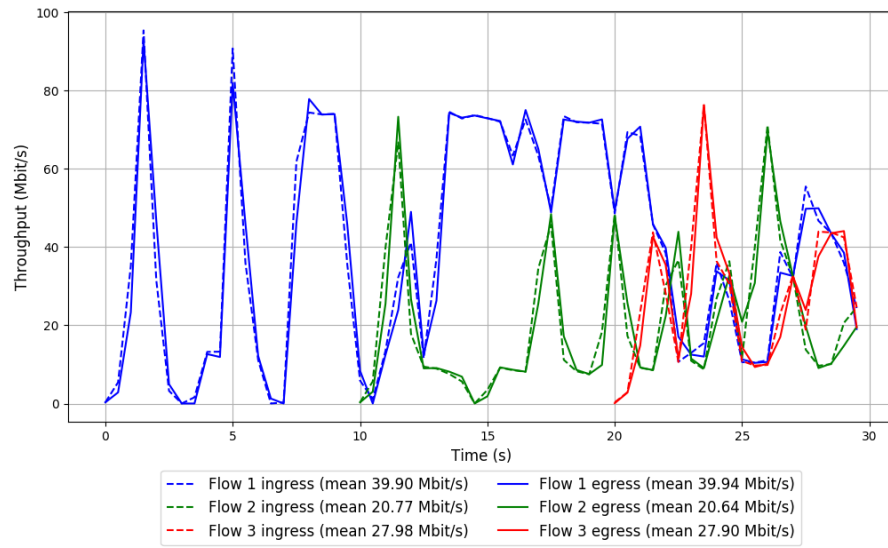


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-17 01:36:58
End at: 2018-01-17 01:37:28
Local clock offset: 0.582 ms
Remote clock offset: -4.138 ms

Below is generated by plot.py at 2018-01-17 06:52:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 118.195 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 115.906 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 118.454 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 119.471 ms
Loss rate: 2.35%

Run 7: Report of QUIC Cubic — Data Link

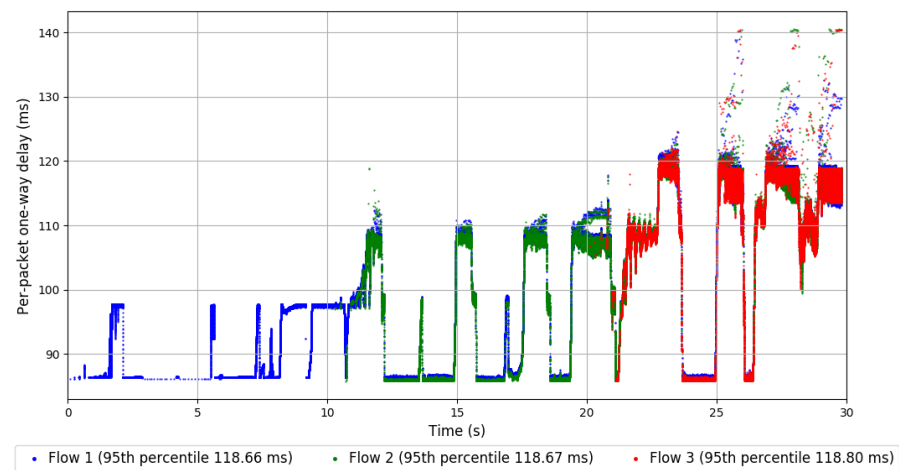
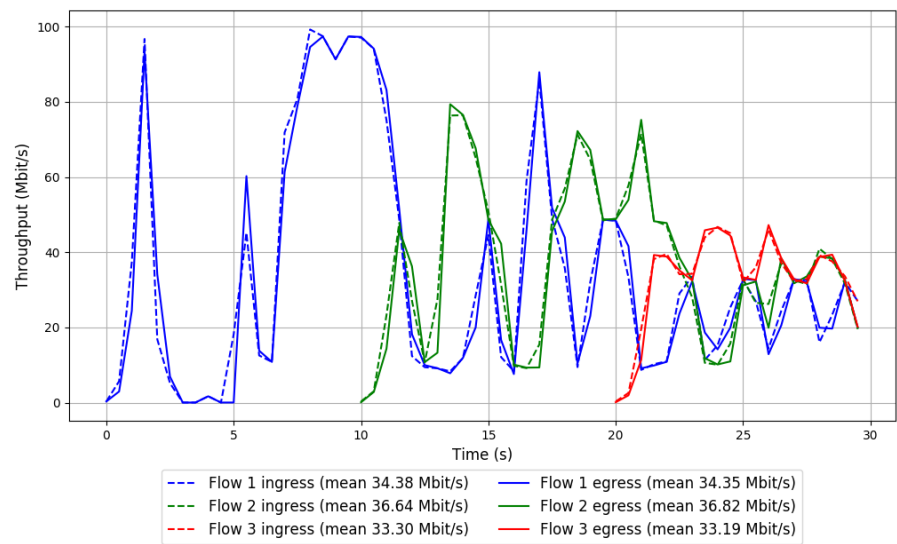


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-17 02:00:45
End at: 2018-01-17 02:01:15
Local clock offset: 0.715 ms
Remote clock offset: -5.006 ms

Below is generated by plot.py at 2018-01-17 06:52:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 118.716 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 118.663 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 118.665 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 118.798 ms
Loss rate: 2.30%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-01-17 02:24:20

End at: 2018-01-17 02:24:50

Local clock offset: 0.907 ms

Remote clock offset: 0.833 ms

Below is generated by plot.py at 2018-01-17 06:53:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.18 Mbit/s

95th percentile per-packet one-way delay: 105.942 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 44.71 Mbit/s

95th percentile per-packet one-way delay: 104.604 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 40.70 Mbit/s

95th percentile per-packet one-way delay: 106.448 ms

Loss rate: 1.54%

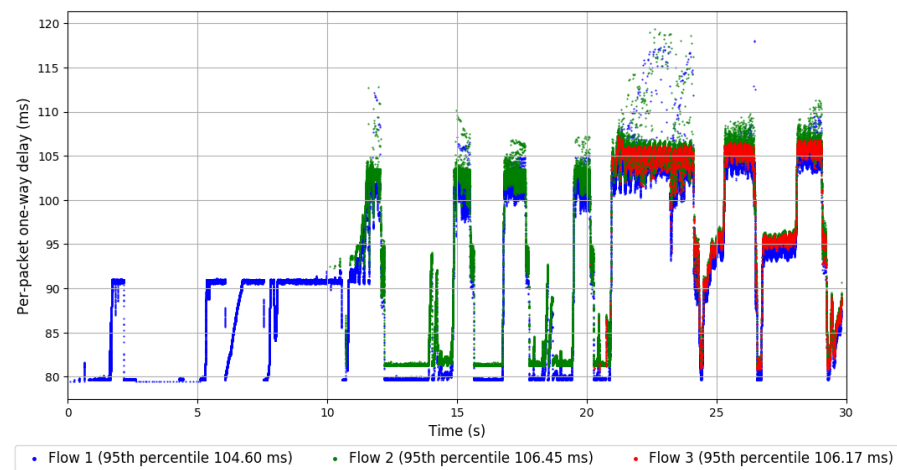
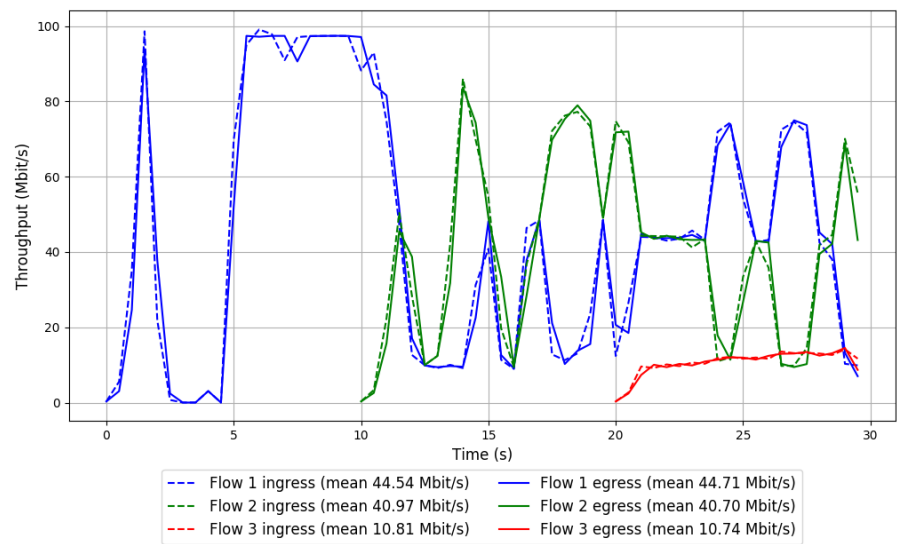
-- Flow 3:

Average throughput: 10.74 Mbit/s

95th percentile per-packet one-way delay: 106.165 ms

Loss rate: 2.42%

Run 9: Report of QUIC Cubic — Data Link

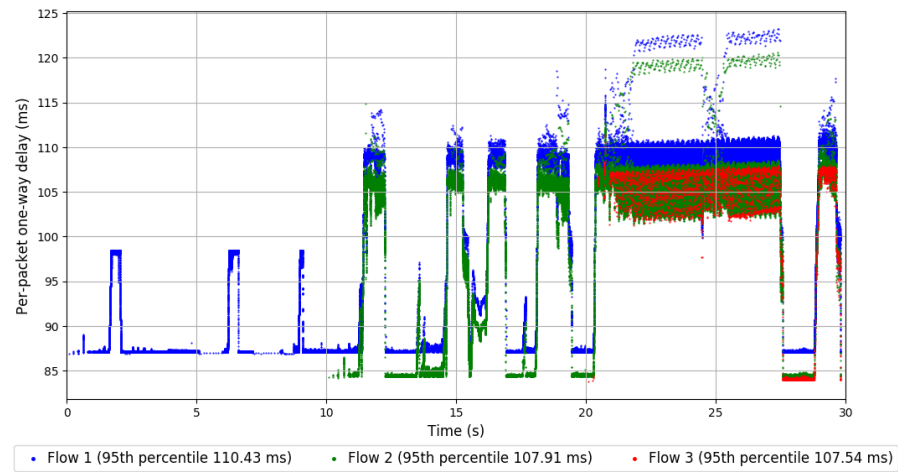
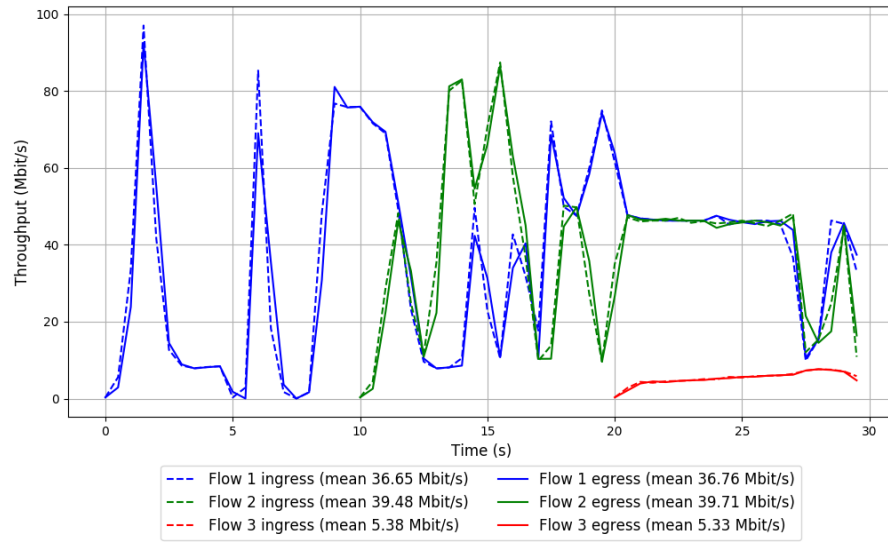


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-17 02:47:59
End at: 2018-01-17 02:48:29
Local clock offset: 1.004 ms
Remote clock offset: -4.972 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.84 Mbit/s
95th percentile per-packet one-way delay: 110.178 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 110.431 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 107.911 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 107.541 ms
Loss rate: 2.47%

Run 10: Report of QUIC Cubic — Data Link

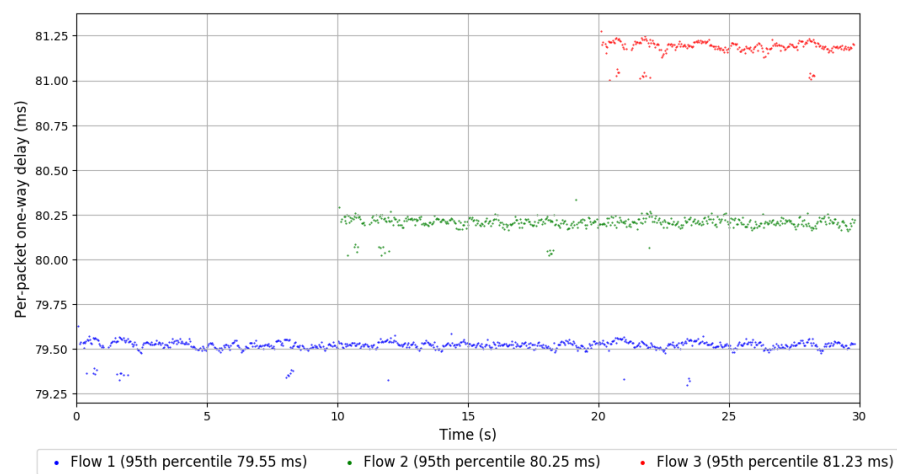
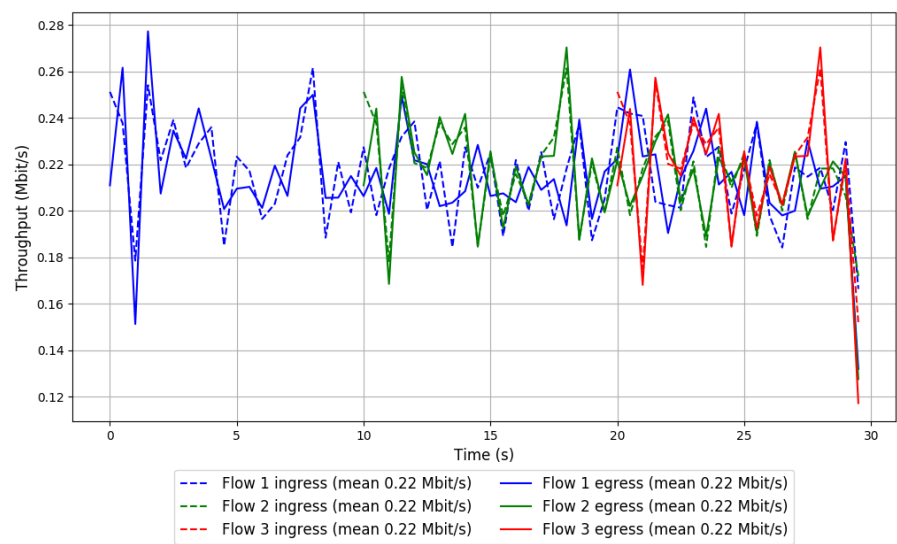


Run 1: Statistics of SReAM

Start at: 2018-01-16 22:57:50
End at: 2018-01-16 22:58:20
Local clock offset: 0.446 ms
Remote clock offset: -1.831 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.206 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.554 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.247 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.226 ms
Loss rate: 1.53%

Run 1: Report of SReAM — Data Link

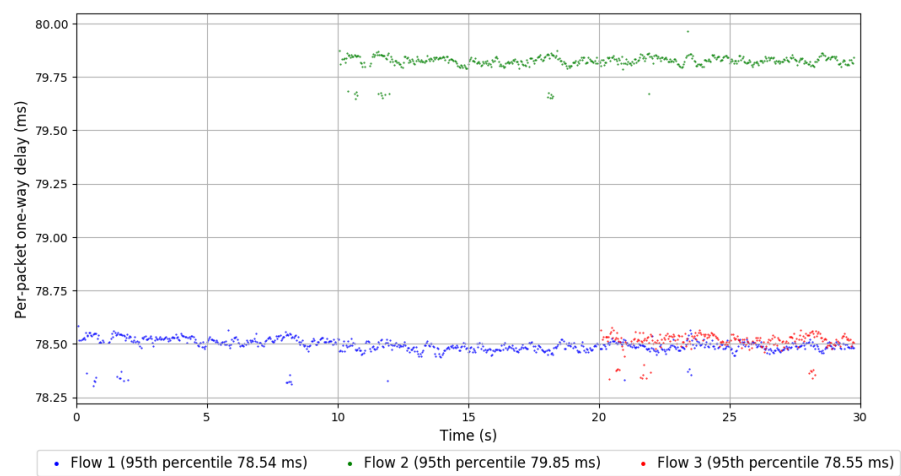
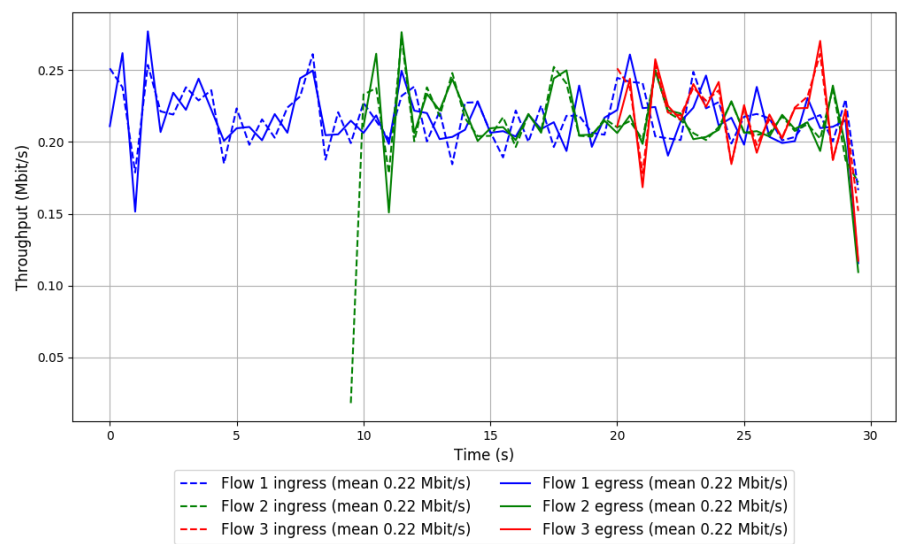


```
Run 2: Statistics of SReAM

Start at: 2018-01-16 23:21:26
End at: 2018-01-16 23:21:56
Local clock offset: 0.457 ms
Remote clock offset: -0.424 ms

# Below is generated by plot.py at 2018-01-17 06:53:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 79.845 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.540 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.854 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.553 ms
Loss rate: 1.53%
```


Run 2: Report of SReAM — Data Link

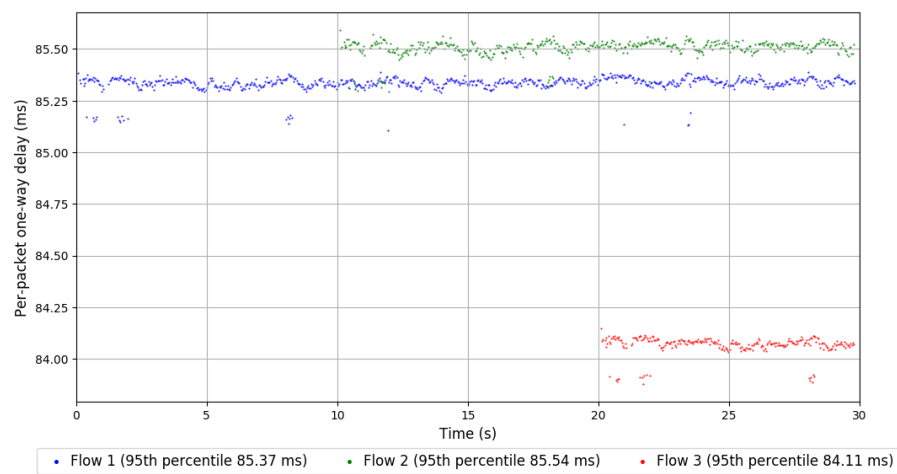
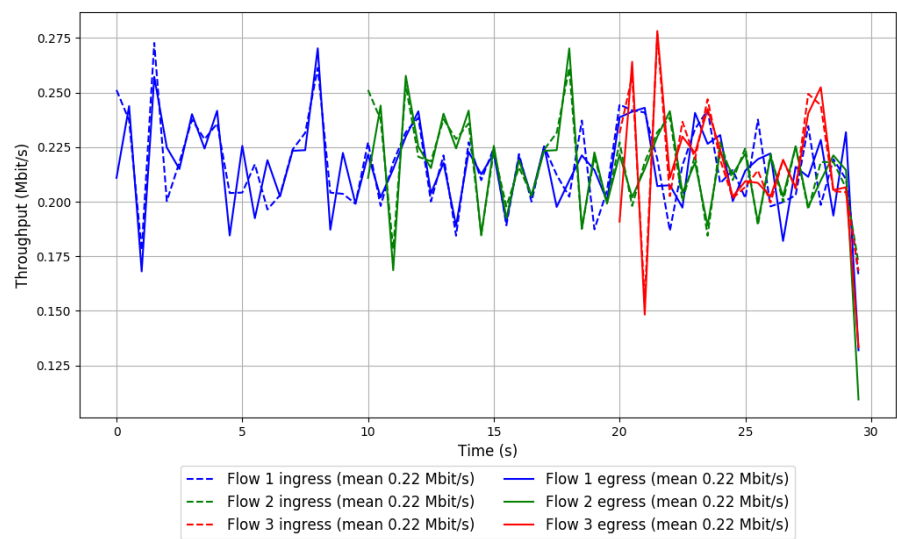


Run 3: Statistics of SReAM

Start at: 2018-01-16 23:45:10
End at: 2018-01-16 23:45:40
Local clock offset: 0.398 ms
Remote clock offset: -4.667 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.534 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.368 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.544 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.106 ms
Loss rate: 1.53%

Run 3: Report of SReAM — Data Link

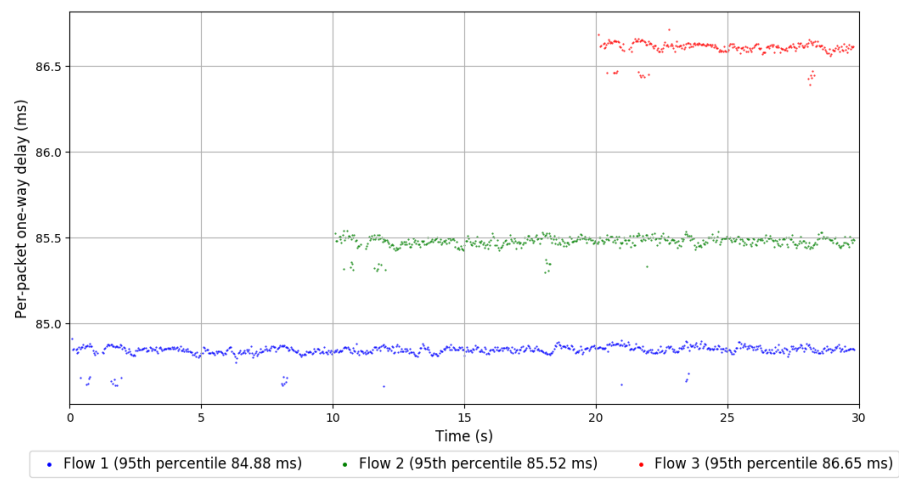
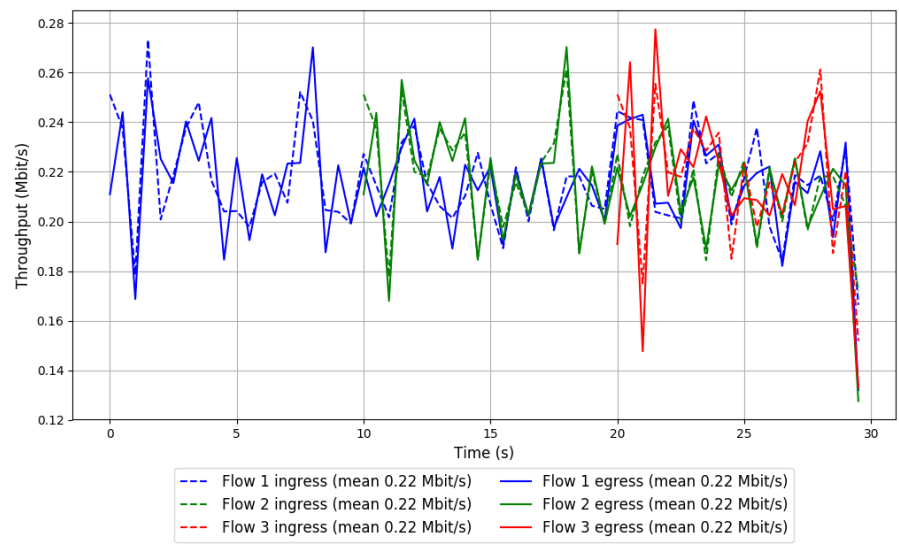


Run 4: Statistics of SReAM

Start at: 2018-01-17 00:08:45
End at: 2018-01-17 00:09:15
Local clock offset: 0.36 ms
Remote clock offset: -3.566 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.877 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.516 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.646 ms
Loss rate: 1.53%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-01-17 00:32:25

End at: 2018-01-17 00:32:55

Local clock offset: 0.366 ms

Remote clock offset: 0.9 ms

Below is generated by plot.py at 2018-01-17 06:53:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 80.157 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.992 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.170 ms

Loss rate: 1.05%

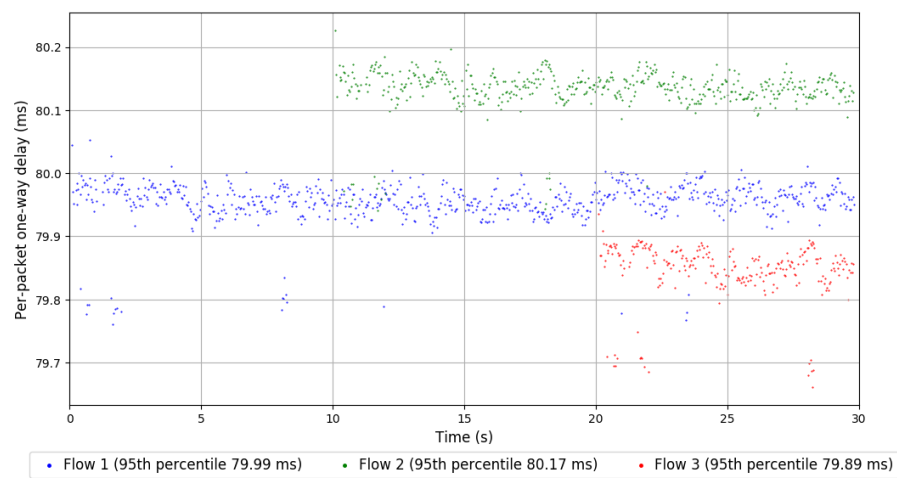
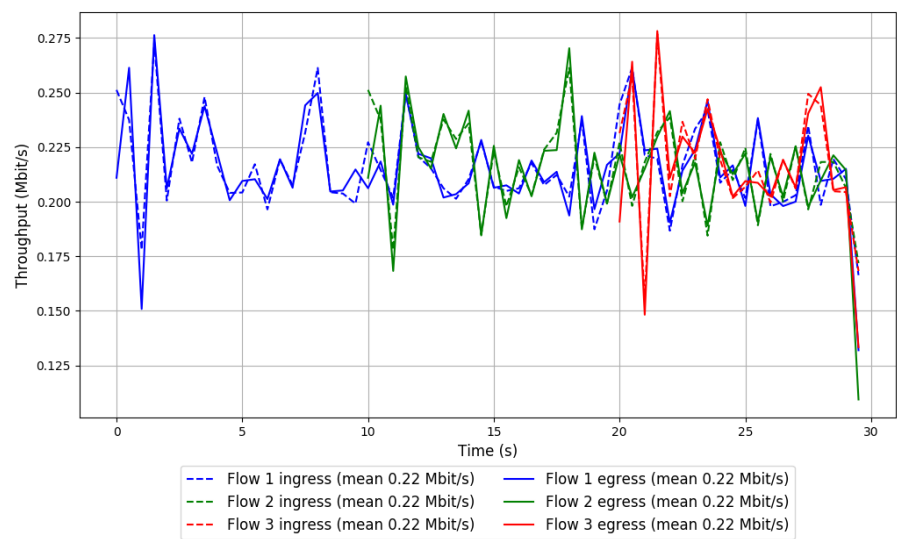
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.888 ms

Loss rate: 1.53%

Run 5: Report of SReAM — Data Link

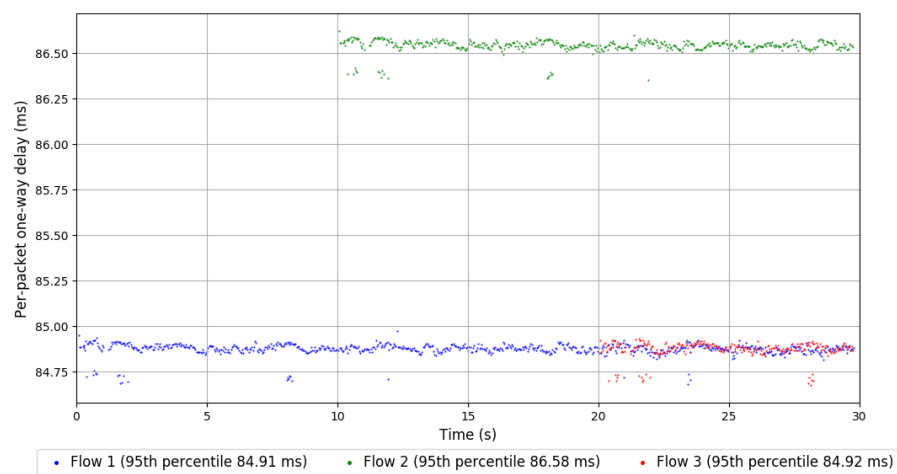
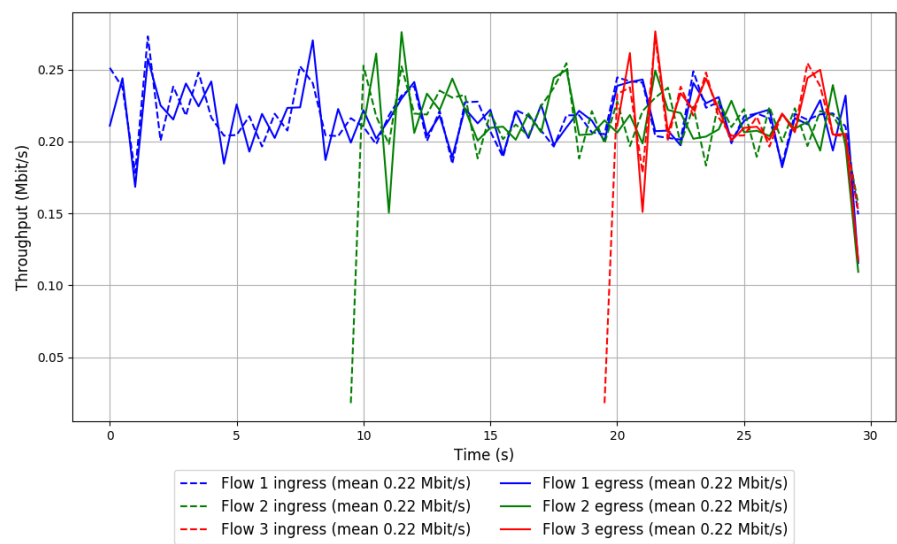


Run 6: Statistics of SReAM

Start at: 2018-01-17 00:56:03
End at: 2018-01-17 00:56:33
Local clock offset: 0.386 ms
Remote clock offset: -4.351 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.567 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.909 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.578 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.915 ms
Loss rate: 1.53%

Run 6: Report of SReAM — Data Link

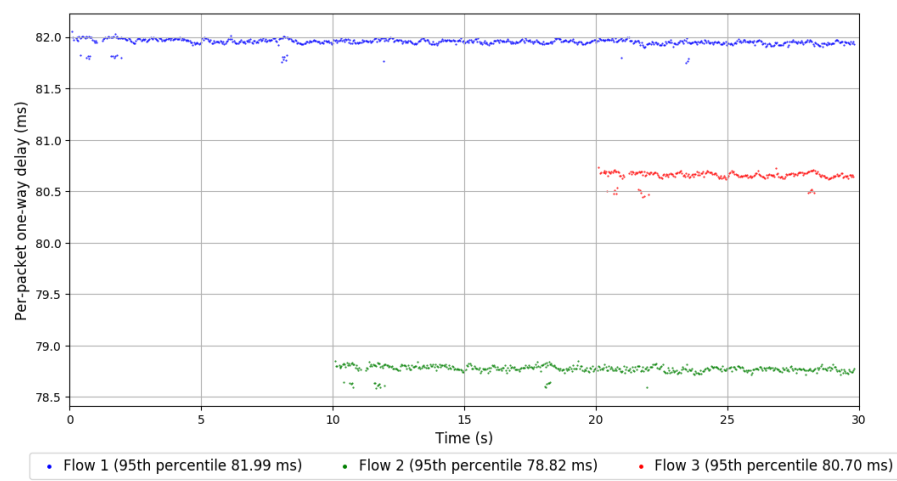
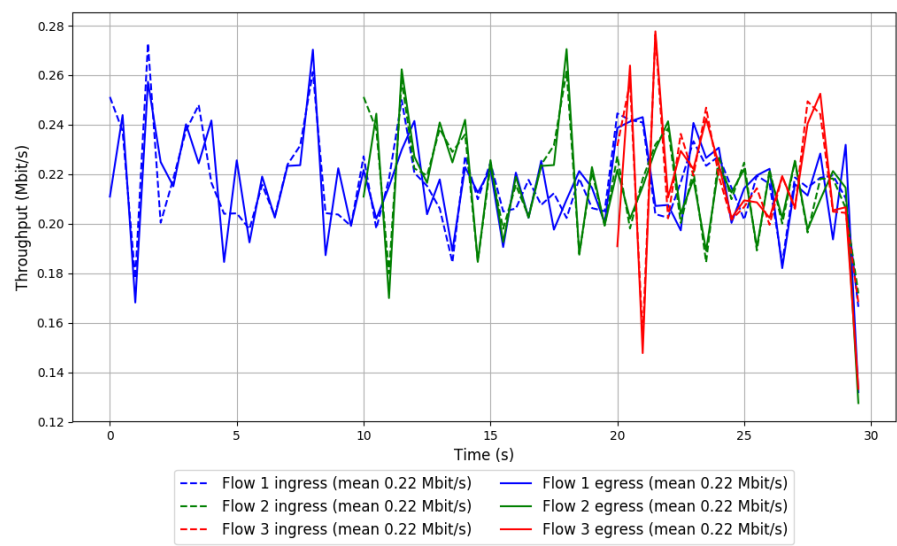


Run 7: Statistics of SReAM

Start at: 2018-01-17 01:19:43
End at: 2018-01-17 01:20:13
Local clock offset: 0.451 ms
Remote clock offset: 1.247 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.987 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.993 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.819 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.696 ms
Loss rate: 1.53%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-01-17 01:43:30

End at: 2018-01-17 01:44:00

Local clock offset: 0.585 ms

Remote clock offset: 0.665 ms

Below is generated by plot.py at 2018-01-17 06:53:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 81.561 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.882 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.983 ms

Loss rate: 1.05%

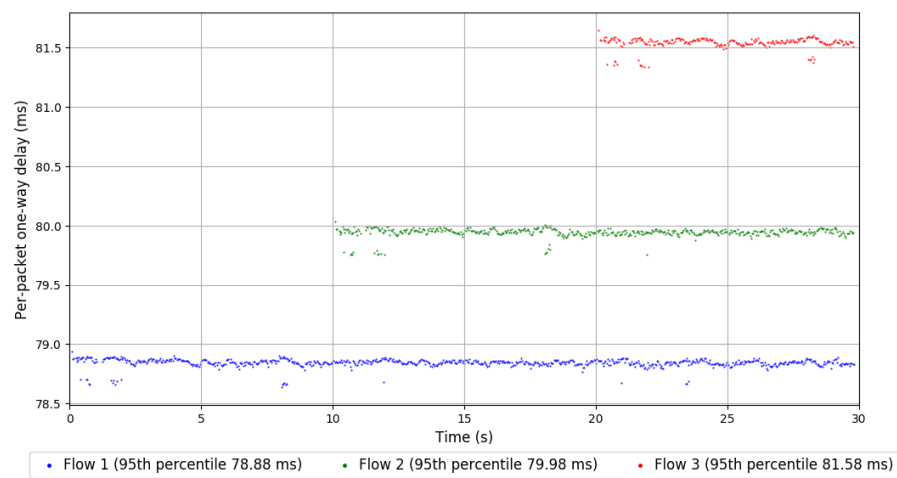
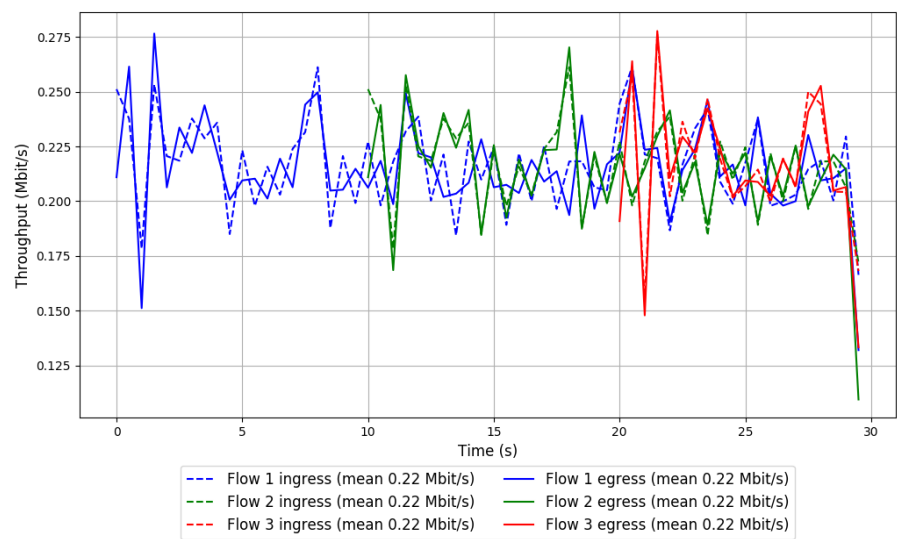
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.585 ms

Loss rate: 1.53%

Run 8: Report of SCRaM — Data Link

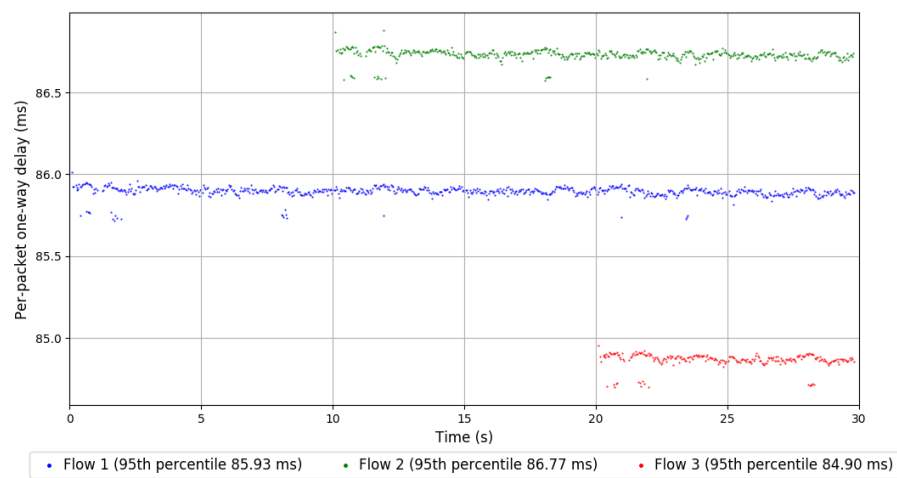
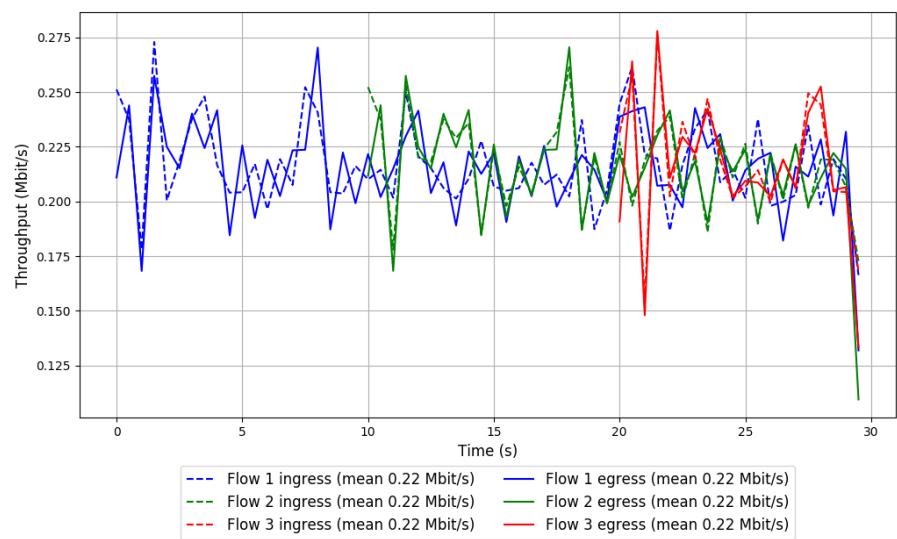


Run 9: Statistics of SReAM

Start at: 2018-01-17 02:07:16
End at: 2018-01-17 02:07:46
Local clock offset: 0.69 ms
Remote clock offset: -5.349 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.757 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.932 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.904 ms
Loss rate: 1.53%

Run 9: Report of SReAM — Data Link

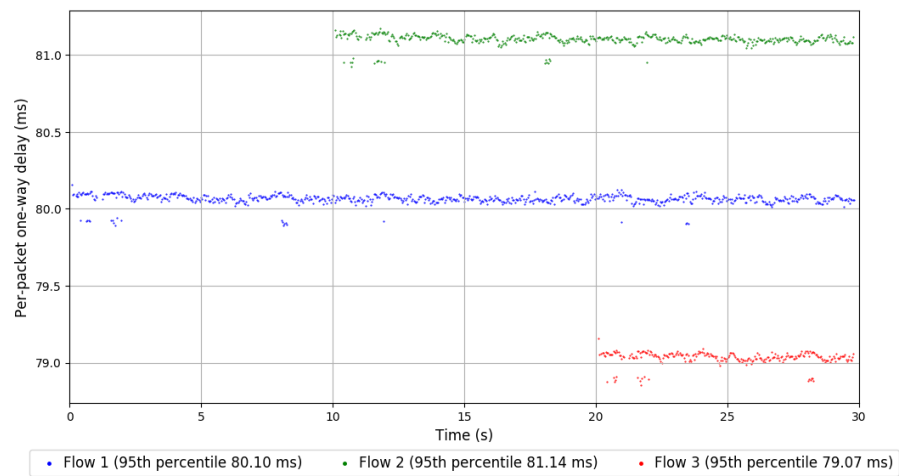
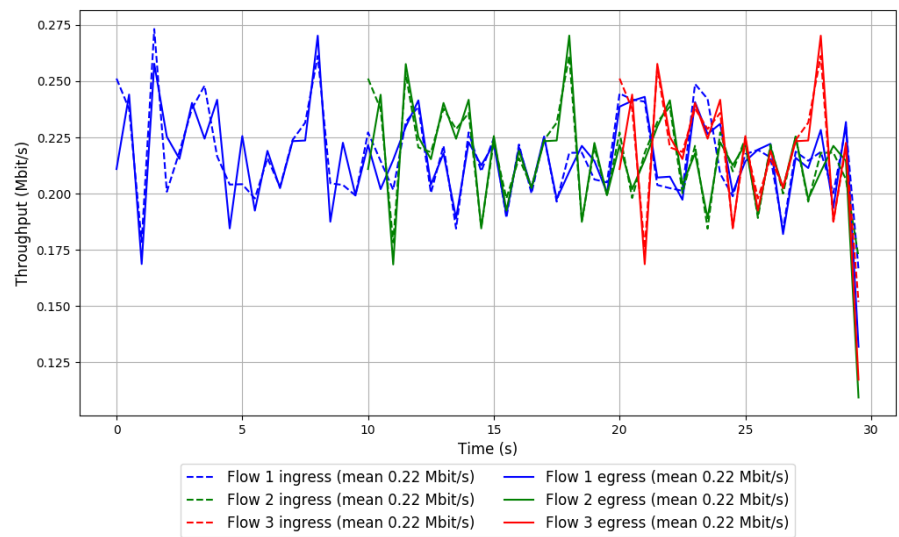


Run 10: Statistics of SReAM

Start at: 2018-01-17 02:30:53
End at: 2018-01-17 02:31:23
Local clock offset: 0.888 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.127 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.101 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.141 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.072 ms
Loss rate: 1.53%

Run 10: Report of SReAM — Data Link

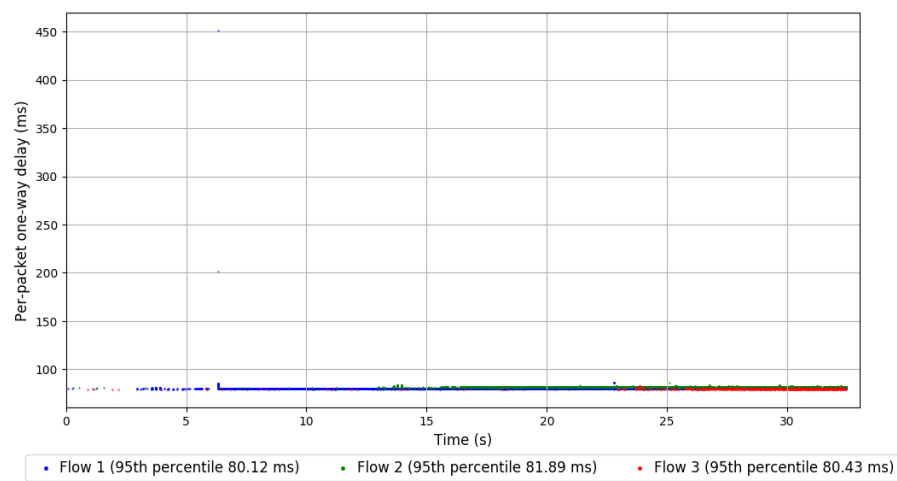
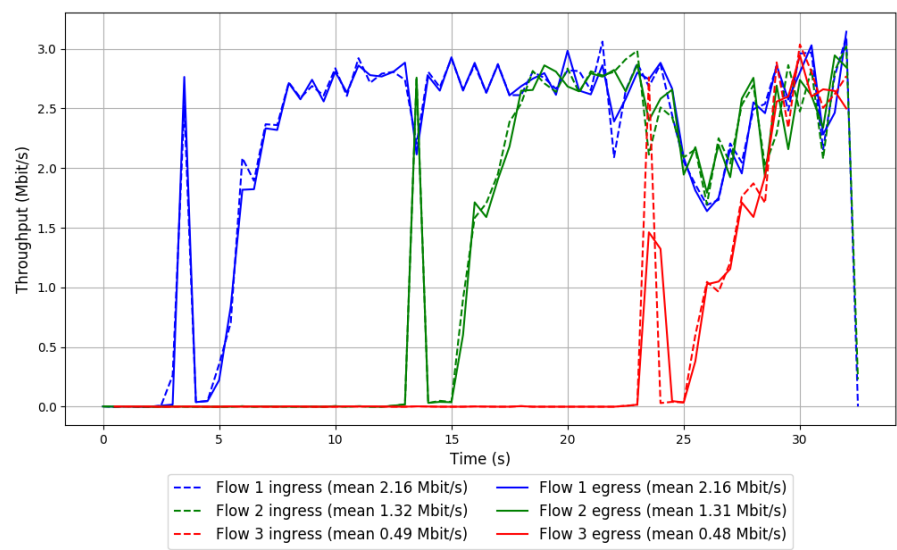


Run 1: Statistics of WebRTC media

Start at: 2018-01-16 22:59:03
End at: 2018-01-16 22:59:33
Local clock offset: 0.536 ms
Remote clock offset: -1.795 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 81.600 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 80.118 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 81.892 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 80.428 ms
Loss rate: 2.48%

Run 1: Report of WebRTC media — Data Link

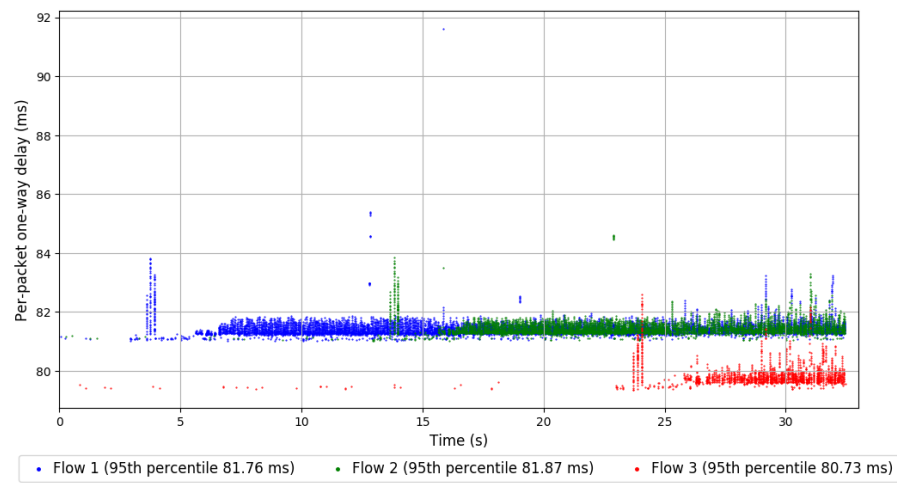
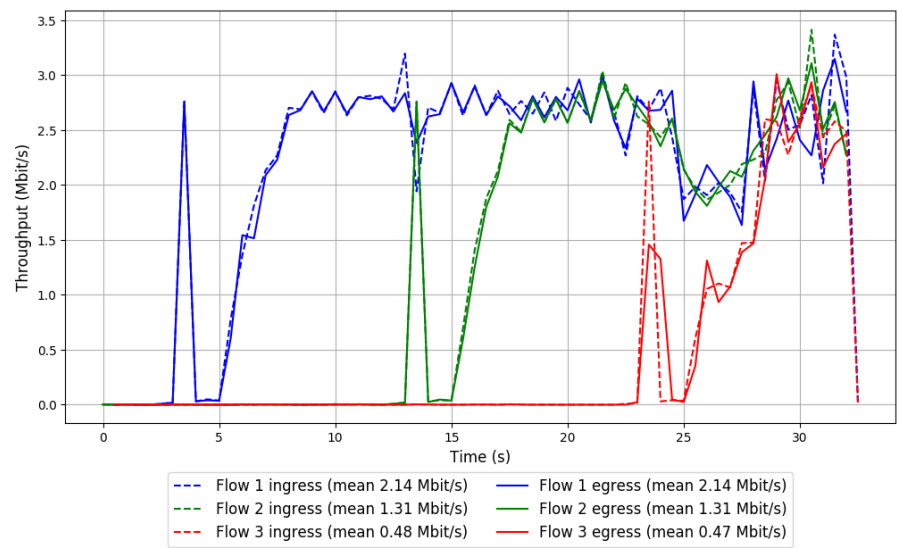


Run 2: Statistics of WebRTC media

Start at: 2018-01-16 23:22:40
End at: 2018-01-16 23:23:10
Local clock offset: 0.45 ms
Remote clock offset: -1.266 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 81.781 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 81.759 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 81.873 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 80.732 ms
Loss rate: 2.66%

Run 2: Report of WebRTC media — Data Link

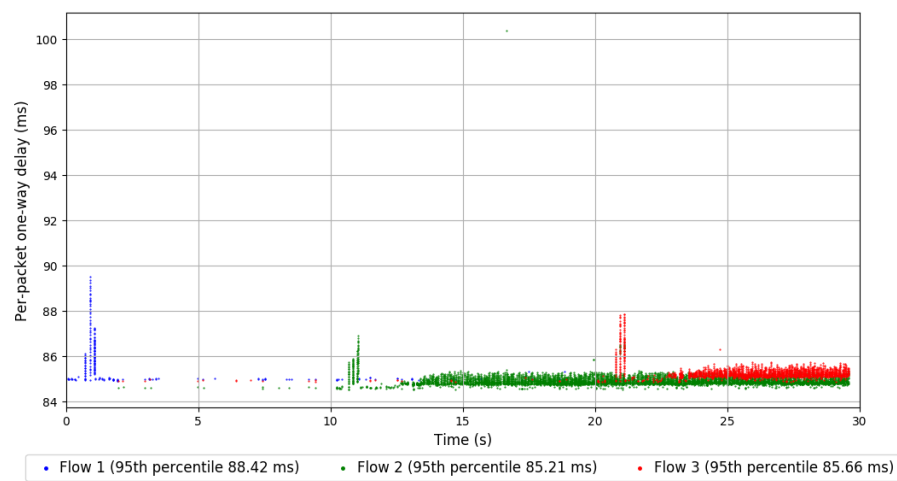
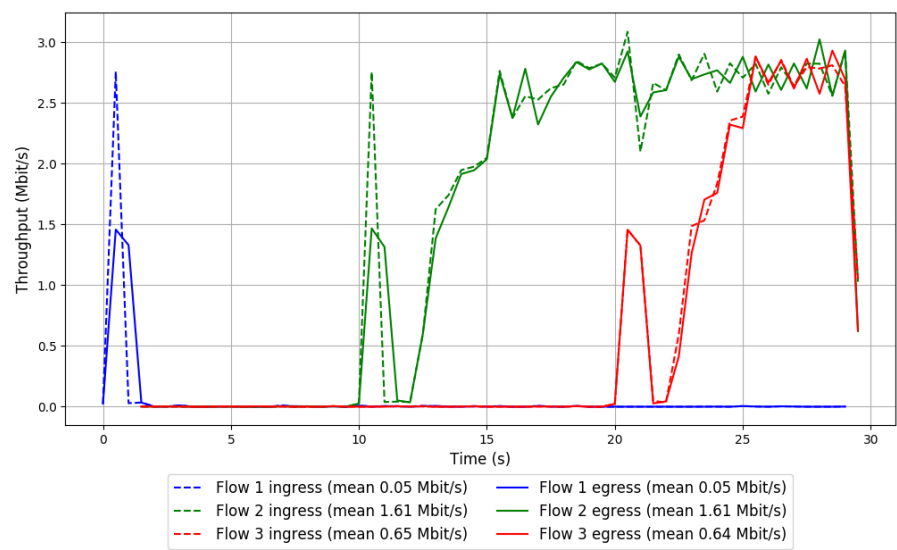


Run 3: Statistics of WebRTC media

Start at: 2018-01-16 23:46:23
End at: 2018-01-16 23:46:53
Local clock offset: 0.405 ms
Remote clock offset: -4.599 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 85.495 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.415 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 85.211 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 85.661 ms
Loss rate: 2.33%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-17 00:09:59

End at: 2018-01-17 00:10:29

Local clock offset: 0.362 ms

Remote clock offset: 2.141 ms

Below is generated by plot.py at 2018-01-17 06:53:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 80.089 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 80.368 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 80.113 ms

Loss rate: 0.72%

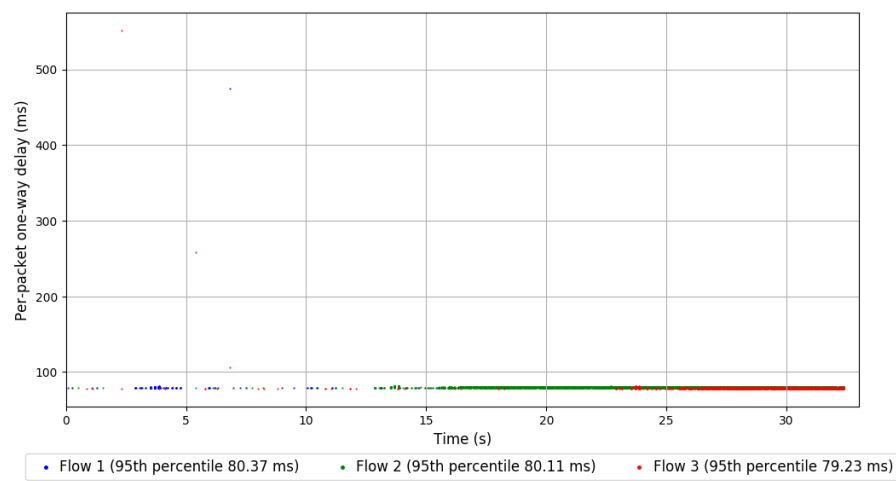
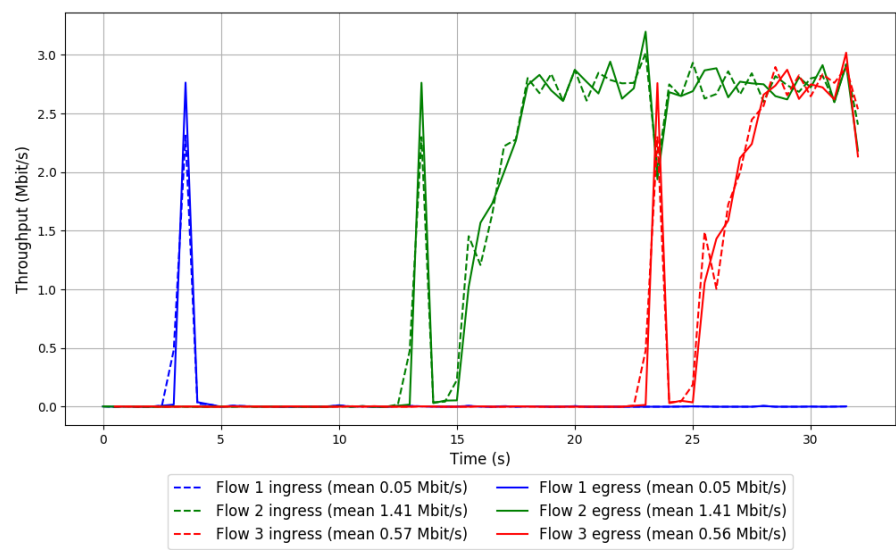
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 79.228 ms

Loss rate: 2.36%

Run 4: Report of WebRTC media — Data Link

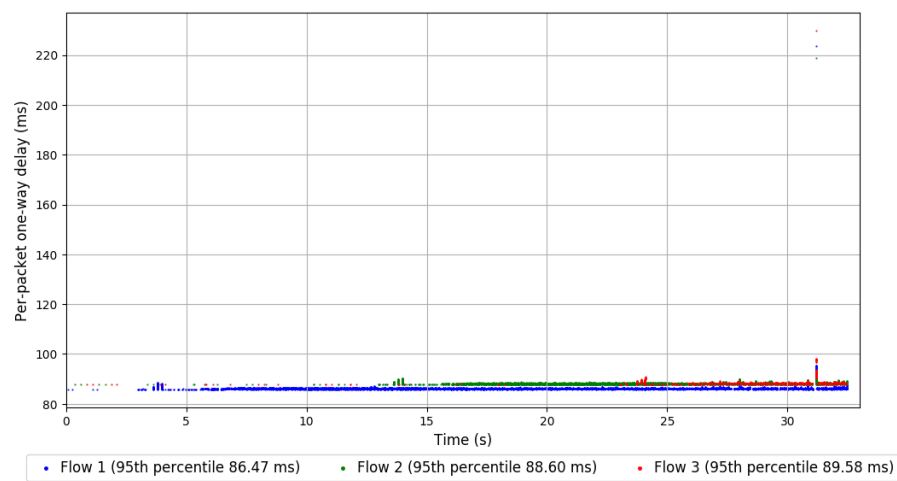
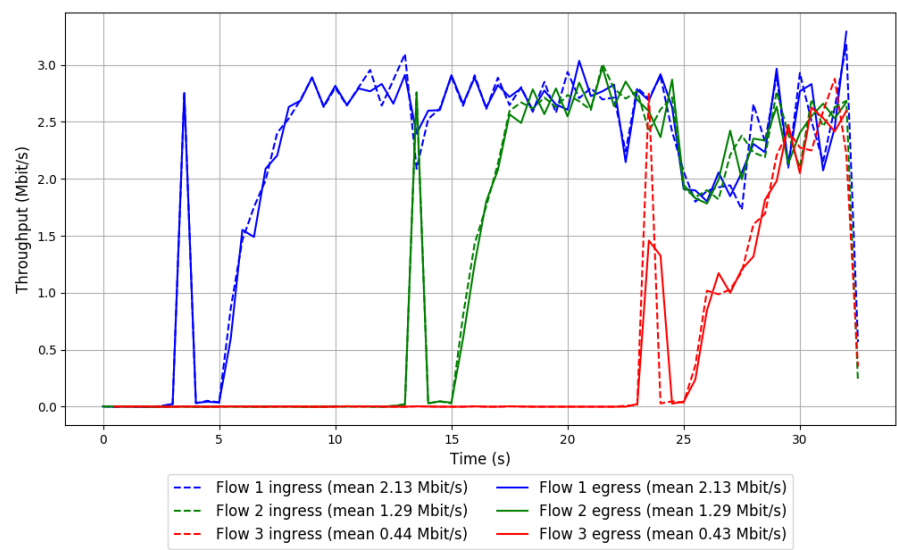


Run 5: Statistics of WebRTC media

Start at: 2018-01-17 00:33:39
End at: 2018-01-17 00:34:09
Local clock offset: 0.345 ms
Remote clock offset: -5.124 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 88.424 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 86.468 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 88.604 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 89.582 ms
Loss rate: 2.88%

Run 5: Report of WebRTC media — Data Link

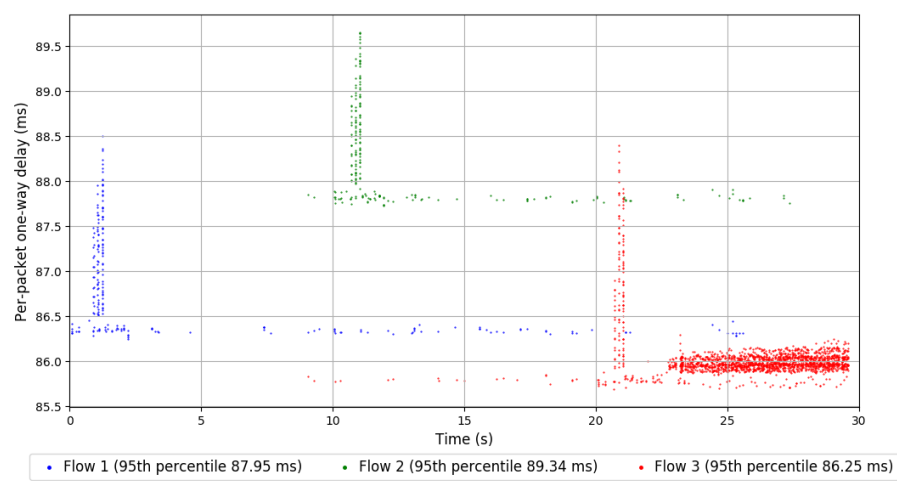
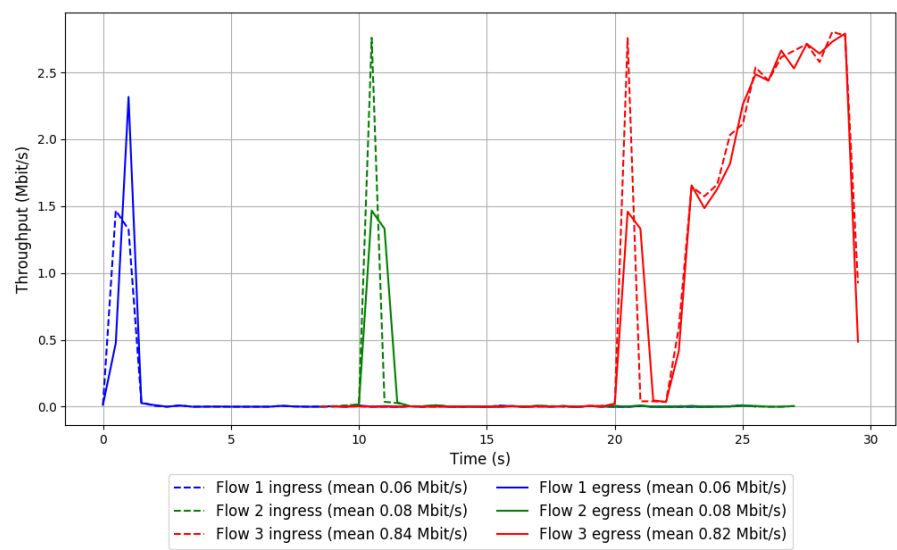


Run 6: Statistics of WebRTC media

Start at: 2018-01-17 00:57:16
End at: 2018-01-17 00:57:46
Local clock offset: 0.325 ms
Remote clock offset: -4.757 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 88.078 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 87.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 89.342 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 86.250 ms
Loss rate: 2.67%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-01-17 01:20:56

End at: 2018-01-17 01:21:26

Local clock offset: 0.481 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2018-01-17 06:53:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 81.593 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.433 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 80.312 ms

Loss rate: 0.77%

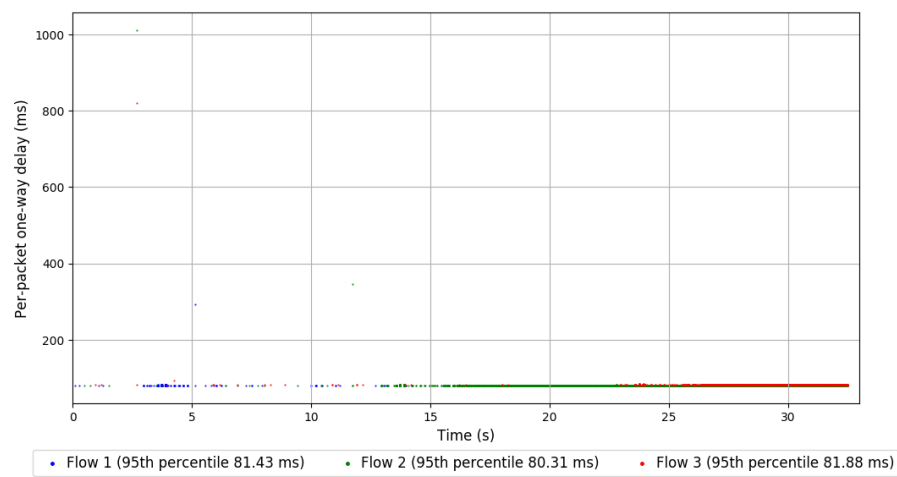
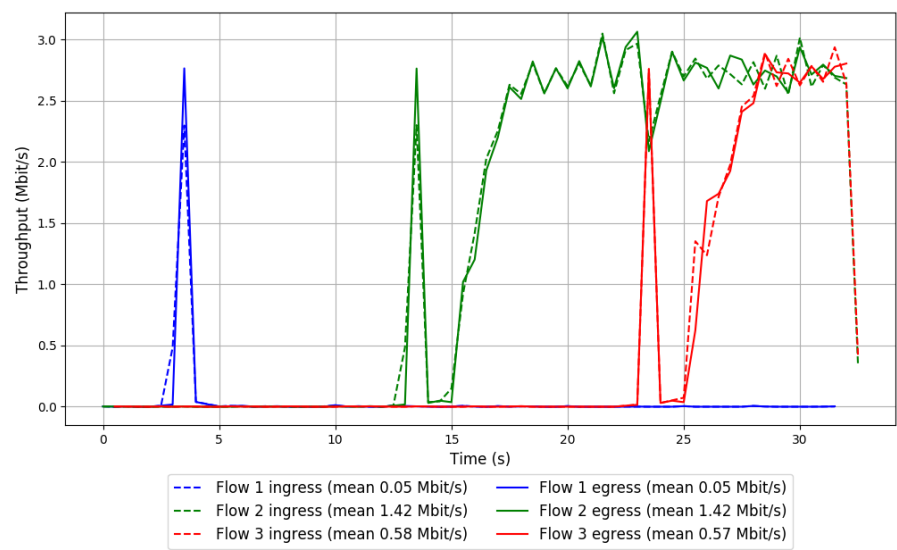
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 81.878 ms

Loss rate: 2.32%

Run 7: Report of WebRTC media — Data Link

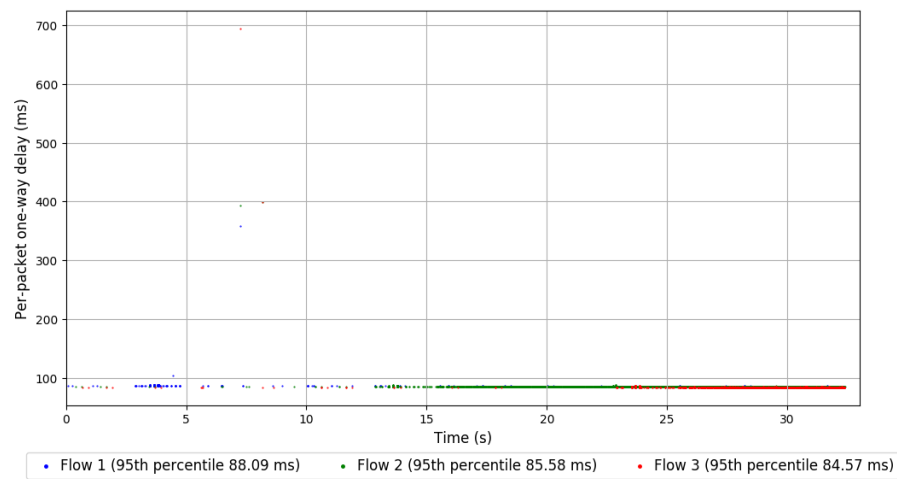
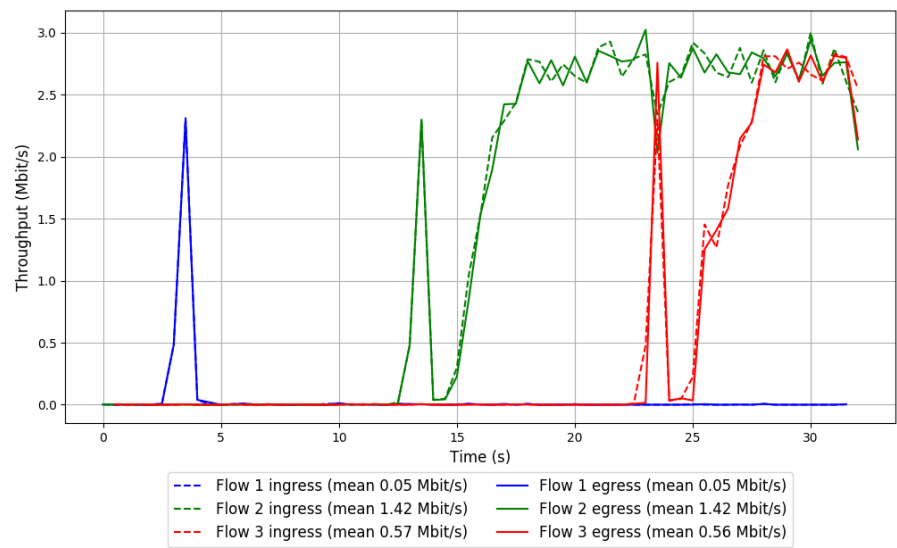


Run 8: Statistics of WebRTC media

Start at: 2018-01-17 01:44:44
End at: 2018-01-17 01:45:14
Local clock offset: 0.579 ms
Remote clock offset: -4.111 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 85.719 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.091 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 85.585 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 84.572 ms
Loss rate: 2.38%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-17 02:08:29

End at: 2018-01-17 02:08:59

Local clock offset: 0.785 ms

Remote clock offset: 1.106 ms

Below is generated by plot.py at 2018-01-17 06:53:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 81.323 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 79.987 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 81.526 ms

Loss rate: 0.74%

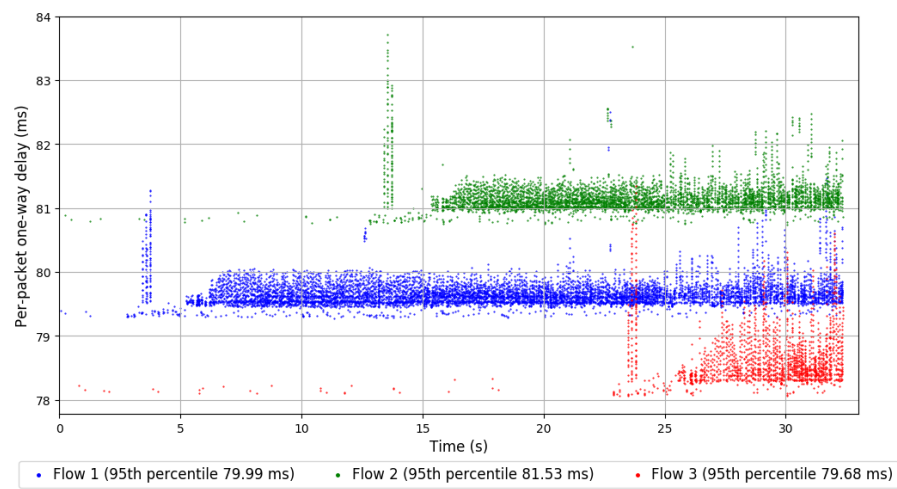
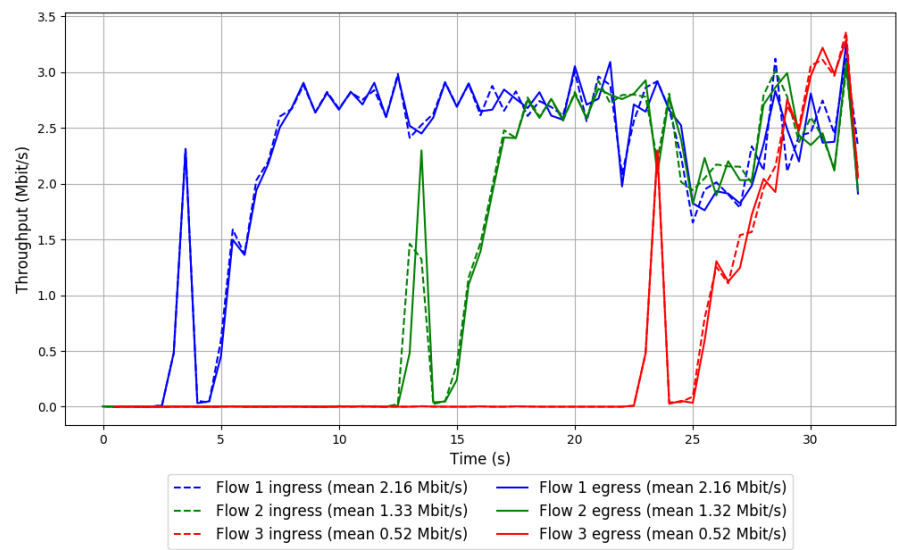
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 79.681 ms

Loss rate: 1.33%

Run 9: Report of WebRTC media — Data Link

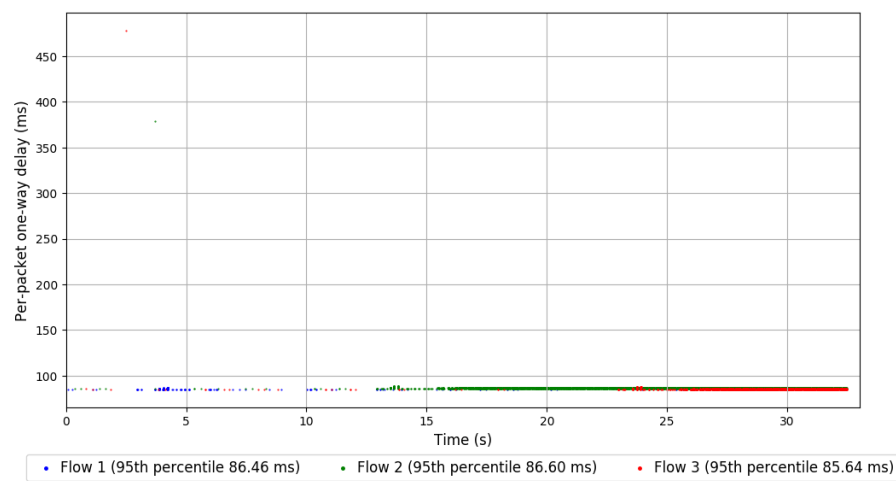
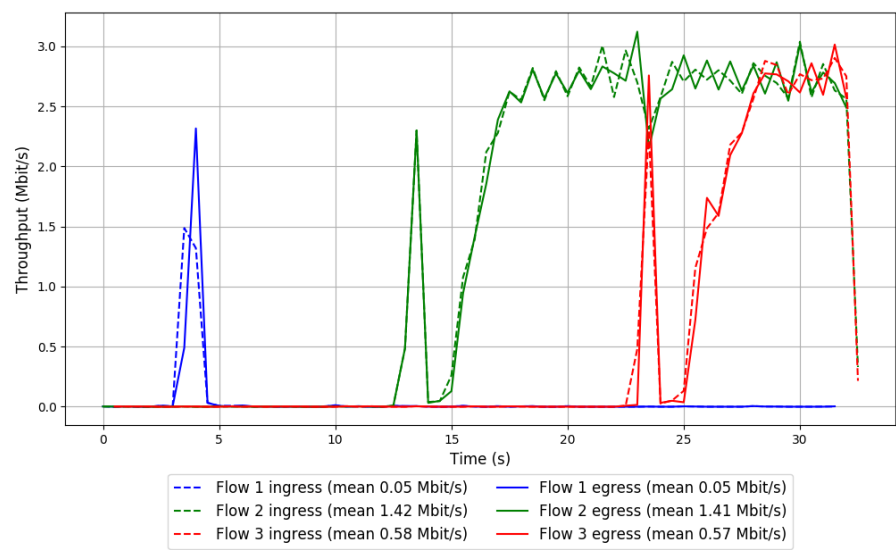


Run 10: Statistics of WebRTC media

Start at: 2018-01-17 02:32:06
End at: 2018-01-17 02:32:36
Local clock offset: 0.948 ms
Remote clock offset: -5.865 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 86.578 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.461 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 86.598 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 85.637 ms
Loss rate: 2.32%

Run 10: Report of WebRTC media — Data Link

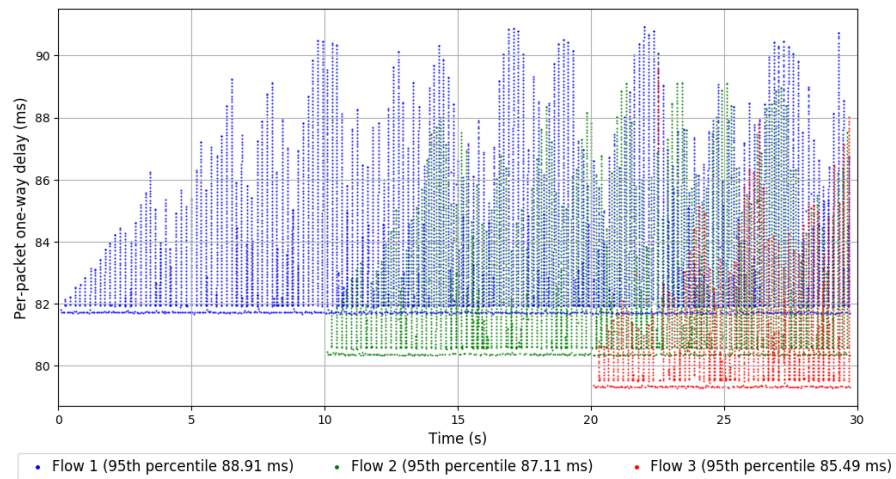
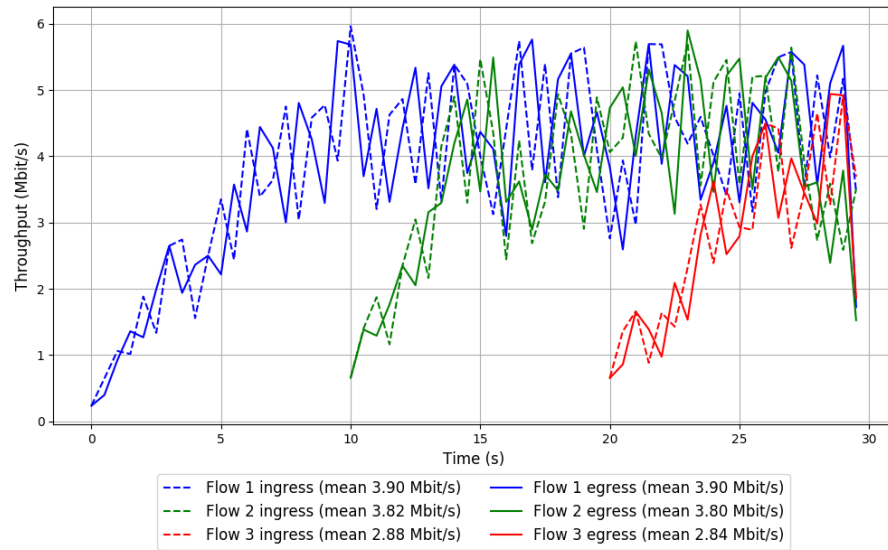


Run 1: Statistics of Sprout

Start at: 2018-01-16 22:55:15
End at: 2018-01-16 22:55:45
Local clock offset: 0.464 ms
Remote clock offset: -1.806 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 88.193 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 88.910 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 87.107 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 85.489 ms
Loss rate: 3.25%

Run 1: Report of Sprout — Data Link

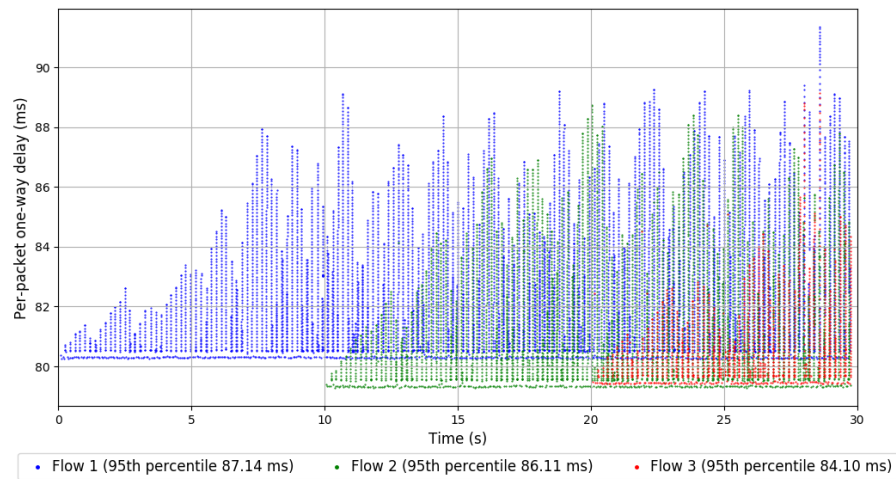
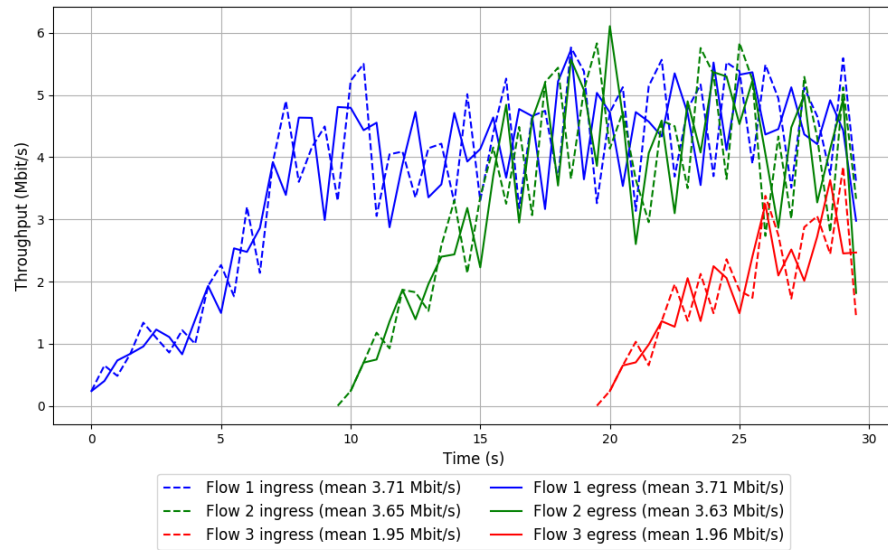


Run 2: Statistics of Sprout

Start at: 2018-01-16 23:18:52
End at: 2018-01-16 23:19:22
Local clock offset: 0.475 ms
Remote clock offset: -0.591 ms

```
# Below is generated by plot.py at 2018-01-17 06:53:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 86.728 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 87.139 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 86.114 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 84.098 ms
Loss rate: 0.95%
```


Run 2: Report of Sprout — Data Link

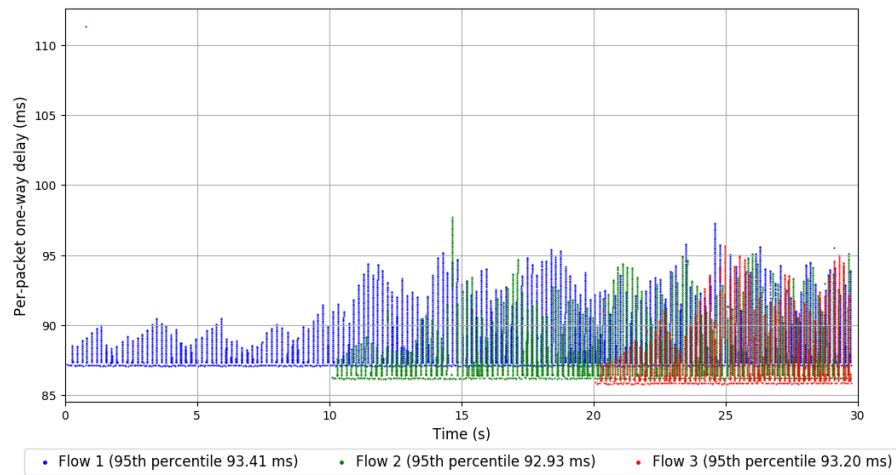
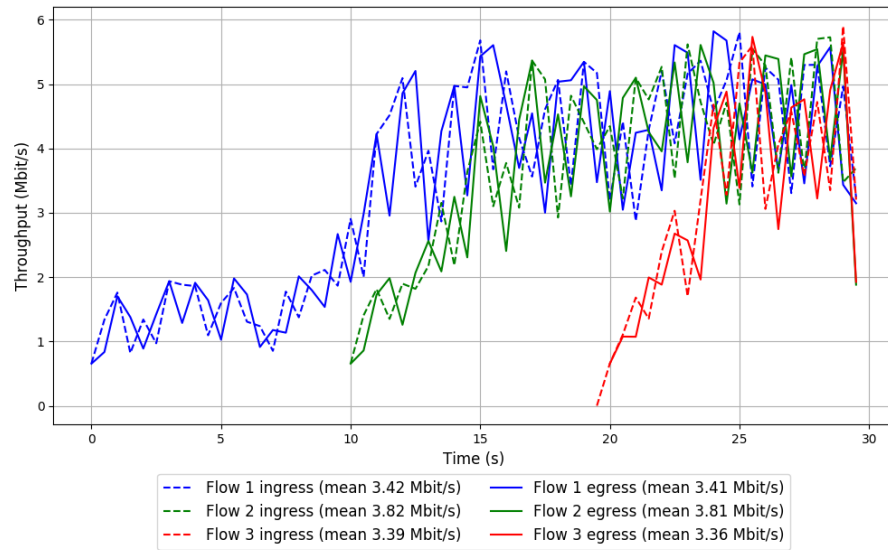


Run 3: Statistics of Sprout

Start at: 2018-01-16 23:42:35
End at: 2018-01-16 23:43:05
Local clock offset: 0.393 ms
Remote clock offset: -5.682 ms

```
# Below is generated by plot.py at 2018-01-17 06:53:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 93.219 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 93.410 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 92.932 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 93.199 ms
Loss rate: 2.31%
```

Run 3: Report of Sprout — Data Link

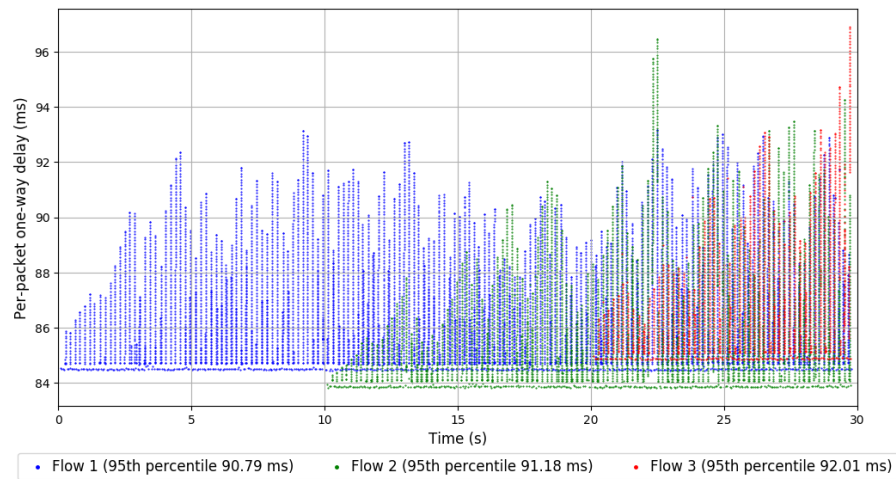
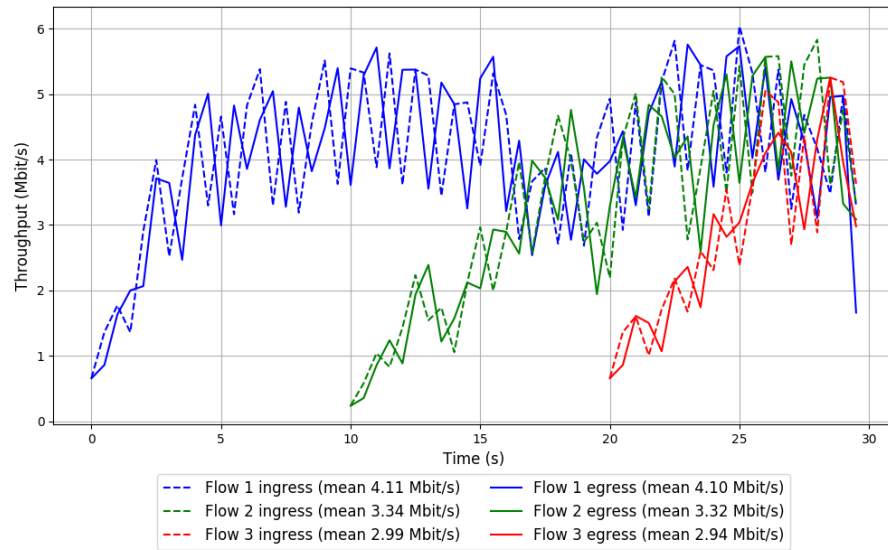


Run 4: Statistics of Sprout

Start at: 2018-01-17 00:06:10
End at: 2018-01-17 00:06:40
Local clock offset: 0.353 ms
Remote clock offset: -3.674 ms

```
# Below is generated by plot.py at 2018-01-17 06:53:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 91.047 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 90.789 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 91.180 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 92.013 ms
Loss rate: 3.20%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-01-17 00:29:50

End at: 2018-01-17 00:30:20

Local clock offset: 0.352 ms

Remote clock offset: 0.891 ms

Below is generated by plot.py at 2018-01-17 06:53:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 86.845 ms

Loss rate: 1.59%

-- Flow 1:

Average throughput: 2.86 Mbit/s

95th percentile per-packet one-way delay: 87.593 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 85.110 ms

Loss rate: 1.48%

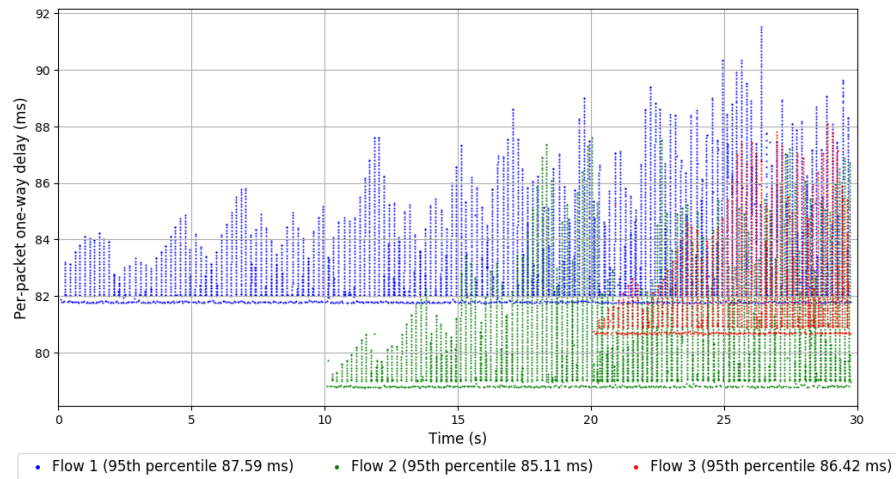
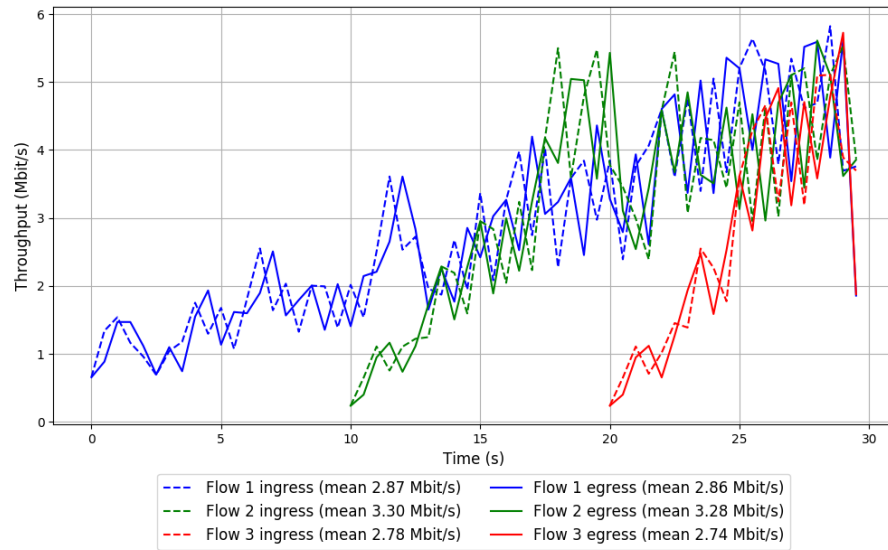
-- Flow 3:

Average throughput: 2.74 Mbit/s

95th percentile per-packet one-way delay: 86.417 ms

Loss rate: 3.33%

Run 5: Report of Sprout — Data Link

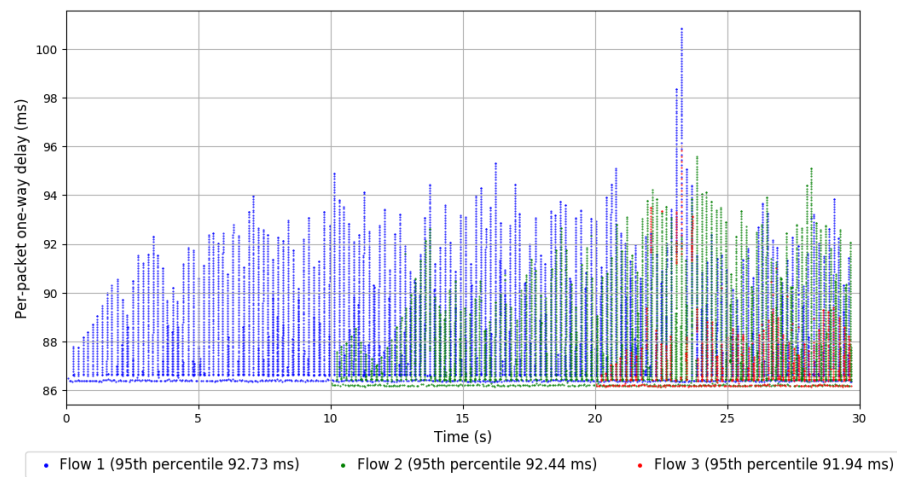
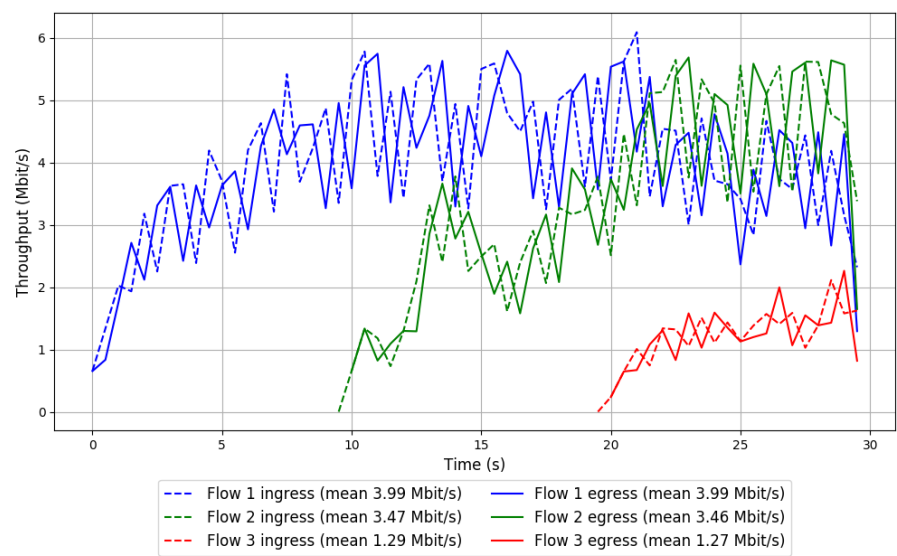


Run 6: Statistics of Sprout

Start at: 2018-01-17 00:53:30
End at: 2018-01-17 00:54:00
Local clock offset: 0.323 ms
Remote clock offset: -3.586 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 92.600 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 92.733 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 92.438 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 91.940 ms
Loss rate: 3.20%

Run 6: Report of Sprout — Data Link

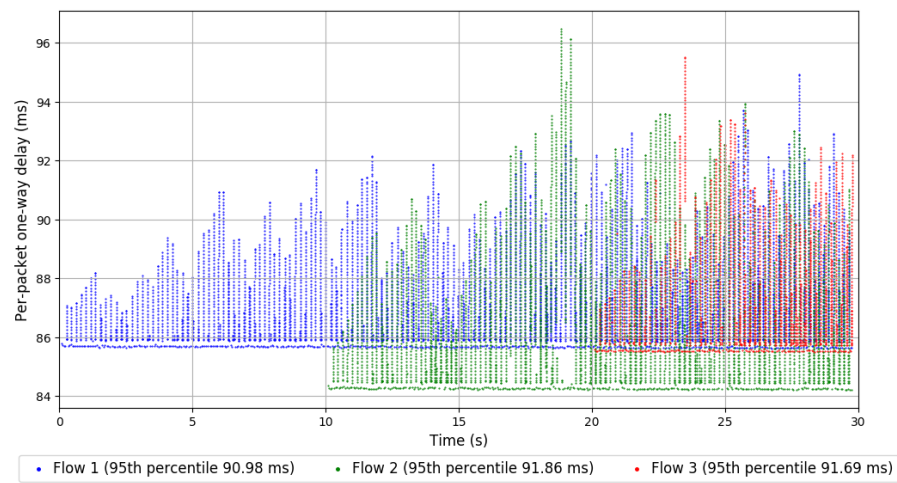
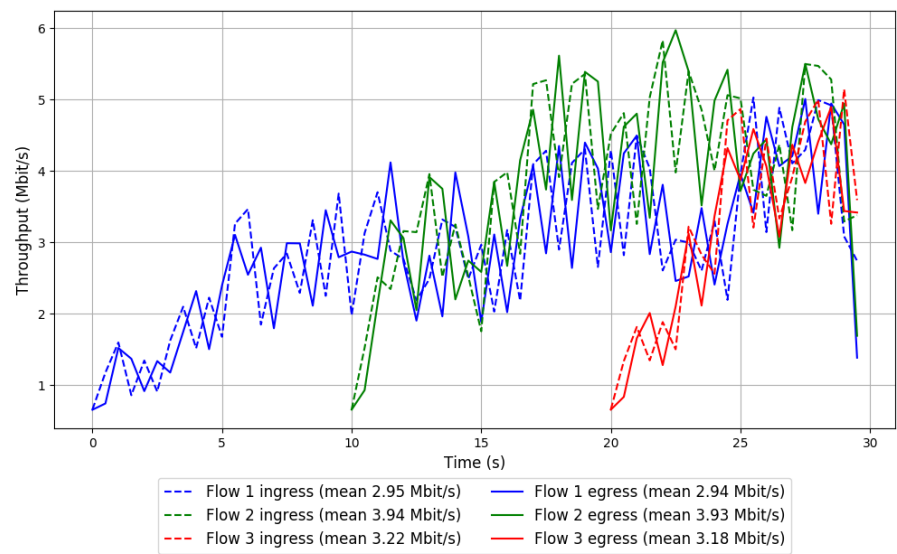


Run 7: Statistics of Sprout

Start at: 2018-01-17 01:17:08
End at: 2018-01-17 01:17:38
Local clock offset: 0.444 ms
Remote clock offset: -4.295 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 91.434 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 90.985 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 91.861 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 91.688 ms
Loss rate: 2.97%

Run 7: Report of Sprout — Data Link

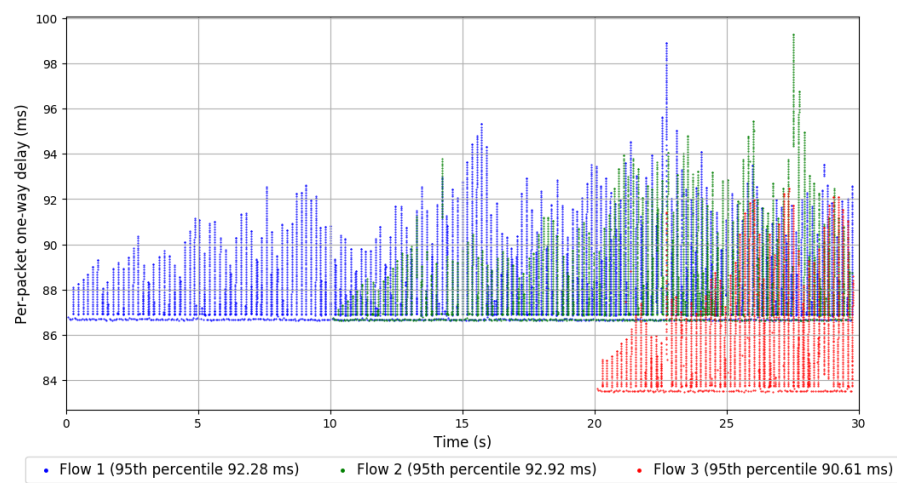
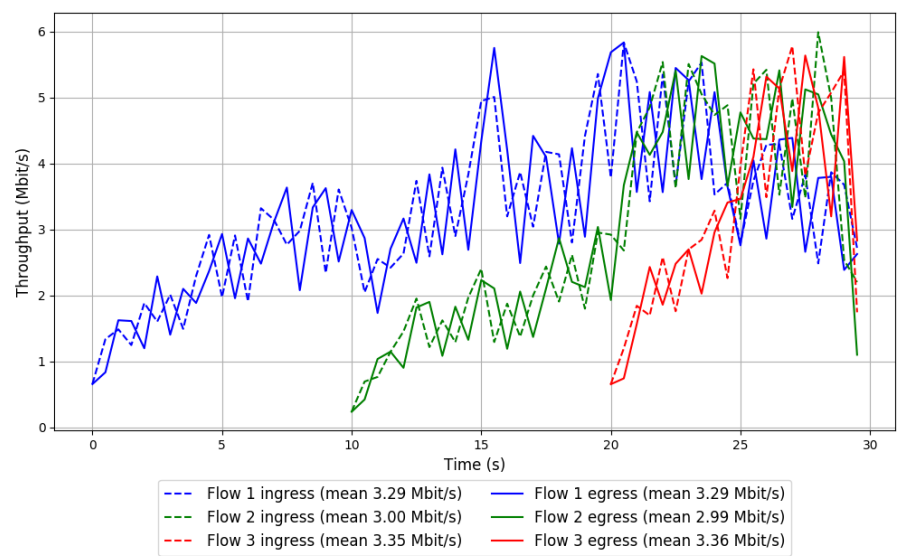


Run 8: Statistics of Sprout

Start at: 2018-01-17 01:40:55
End at: 2018-01-17 01:41:25
Local clock offset: 0.577 ms
Remote clock offset: -4.166 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 92.328 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 92.283 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 92.923 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 90.607 ms
Loss rate: 0.88%

Run 8: Report of Sprout — Data Link

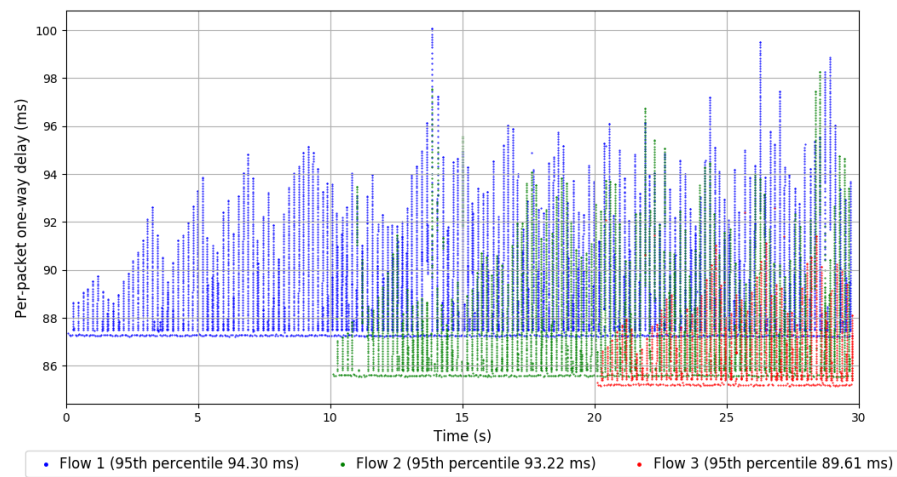
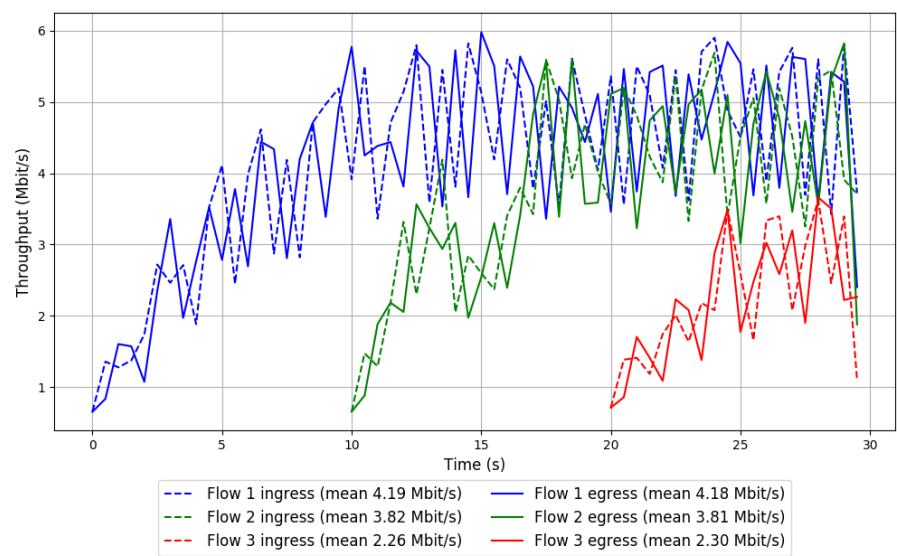


Run 9: Statistics of Sprout

Start at: 2018-01-17 02:04:41
End at: 2018-01-17 02:05:11
Local clock offset: 0.729 ms
Remote clock offset: -4.872 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 93.854 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 94.297 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 93.224 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 89.605 ms
Loss rate: 0.01%

Run 9: Report of Sprout — Data Link

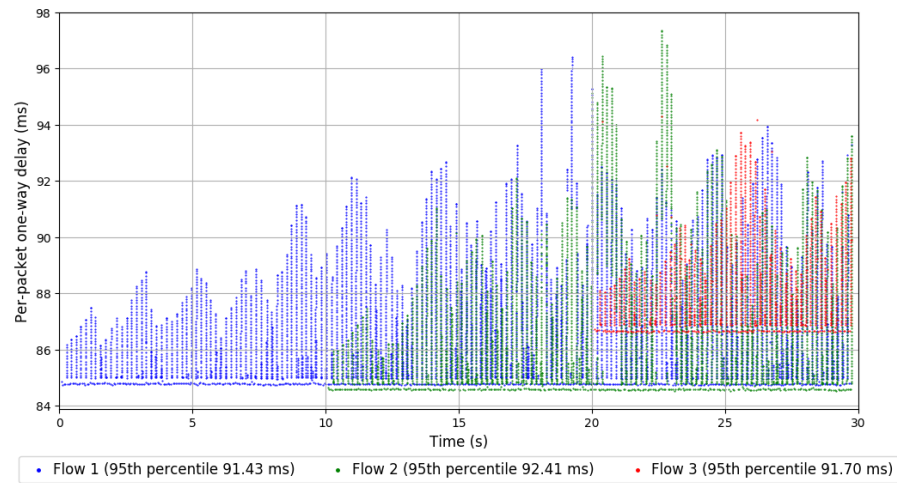
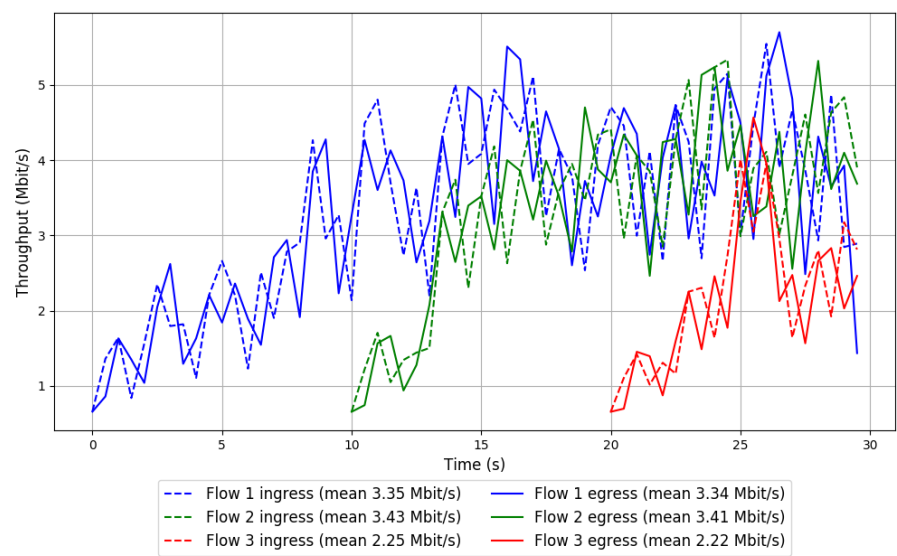


Run 10: Statistics of Sprout

Start at: 2018-01-17 02:28:17
End at: 2018-01-17 02:28:47
Local clock offset: 0.932 ms
Remote clock offset: -5.783 ms

Below is generated by plot.py at 2018-01-17 06:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 91.749 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 91.427 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 92.411 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 91.701 ms
Loss rate: 3.39%

Run 10: Report of Sprout — Data Link

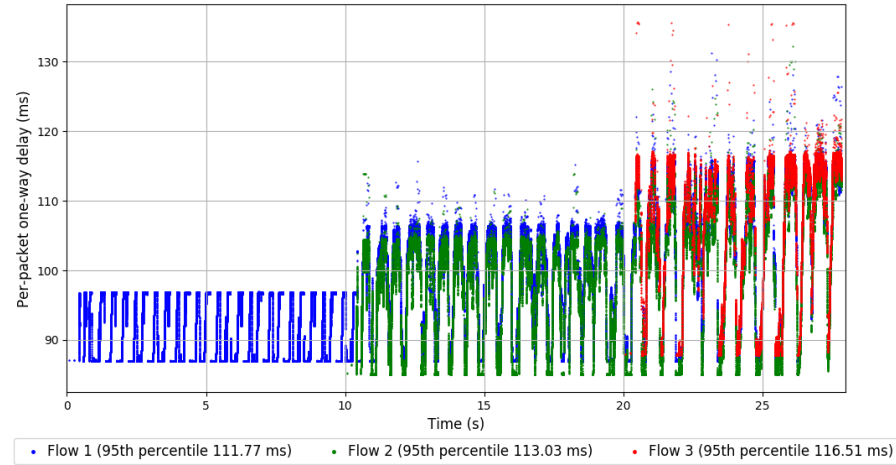
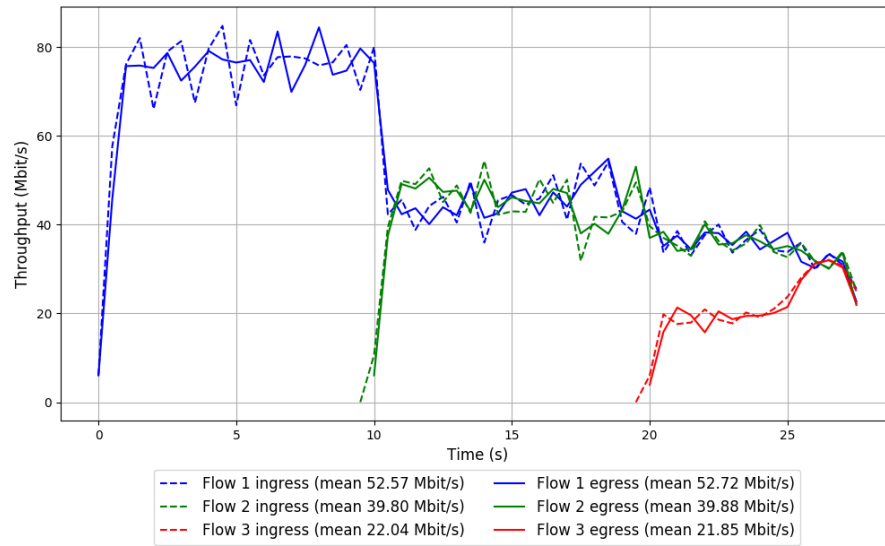


Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 23:01:34
End at: 2018-01-16 23:02:04
Local clock offset: 0.527 ms
Remote clock offset: -7.437 ms

Below is generated by plot.py at 2018-01-17 06:54:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 113.745 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 111.773 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 113.032 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 116.511 ms
Loss rate: 3.00%

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

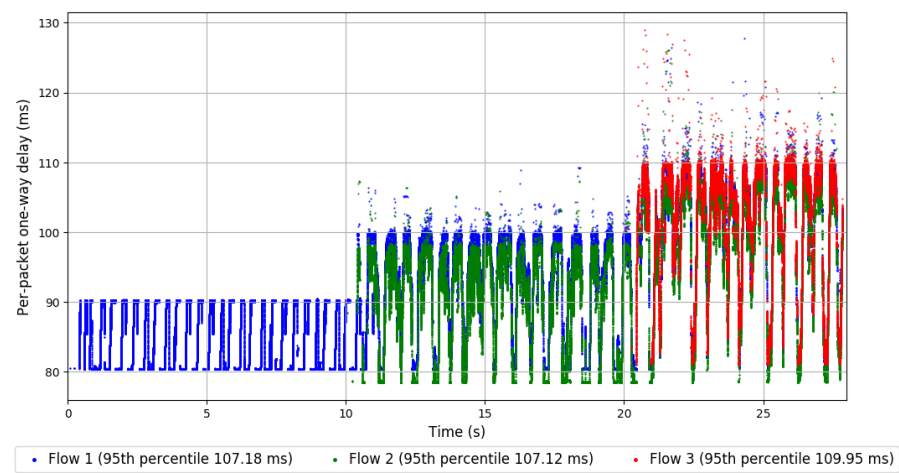
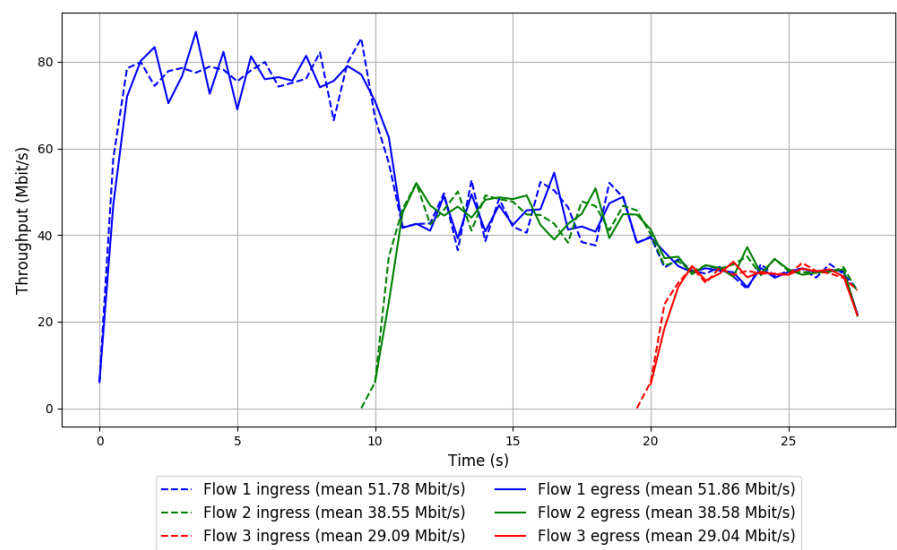


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 23:25:11
End at: 2018-01-16 23:25:41
Local clock offset: 0.446 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-01-17 06:54:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 108.381 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 107.184 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 107.116 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 109.950 ms
Loss rate: 2.53%

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

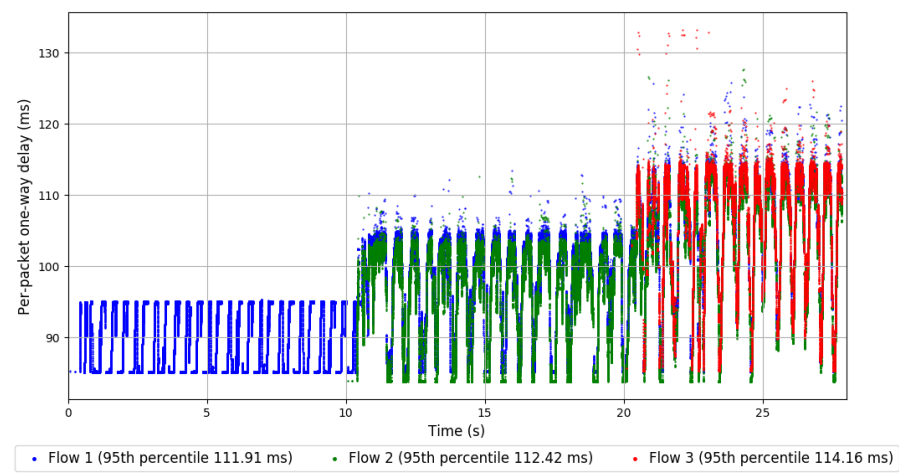
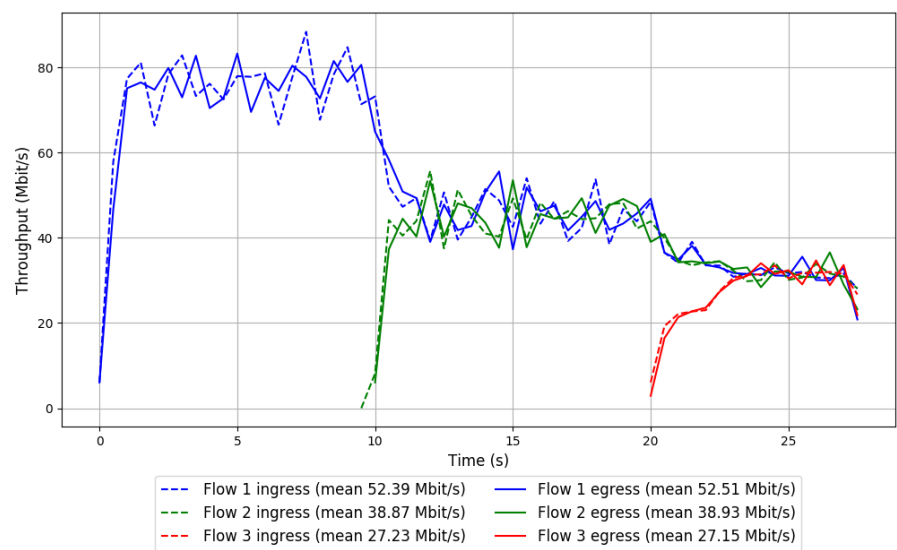


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 23:48:54
End at: 2018-01-16 23:49:24
Local clock offset: 0.388 ms
Remote clock offset: -4.495 ms

Below is generated by plot.py at 2018-01-17 06:54:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.03 Mbit/s
95th percentile per-packet one-way delay: 112.937 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 111.907 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 112.418 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 114.159 ms
Loss rate: 2.41%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-17 00:12:31

End at: 2018-01-17 00:13:01

Local clock offset: 0.278 ms

Remote clock offset: 1.247 ms

Below is generated by plot.py at 2018-01-17 06:54:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.50 Mbit/s

95th percentile per-packet one-way delay: 107.920 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 52.71 Mbit/s

95th percentile per-packet one-way delay: 107.077 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 108.324 ms

Loss rate: 0.75%

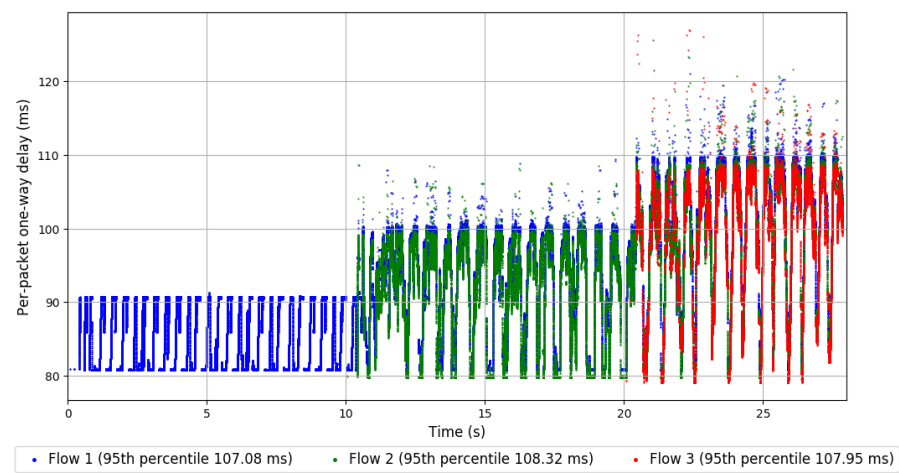
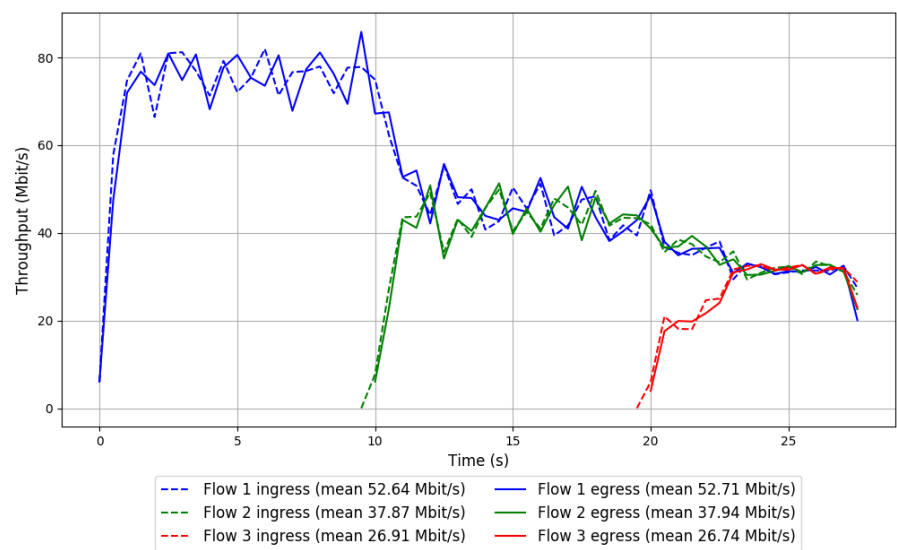
-- Flow 3:

Average throughput: 26.74 Mbit/s

95th percentile per-packet one-way delay: 107.949 ms

Loss rate: 2.96%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-17 00:36:10

End at: 2018-01-17 00:36:40

Local clock offset: 0.355 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-01-17 06:54:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.61 Mbit/s

95th percentile per-packet one-way delay: 109.125 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 51.55 Mbit/s

95th percentile per-packet one-way delay: 108.755 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 39.54 Mbit/s

95th percentile per-packet one-way delay: 108.545 ms

Loss rate: 0.89%

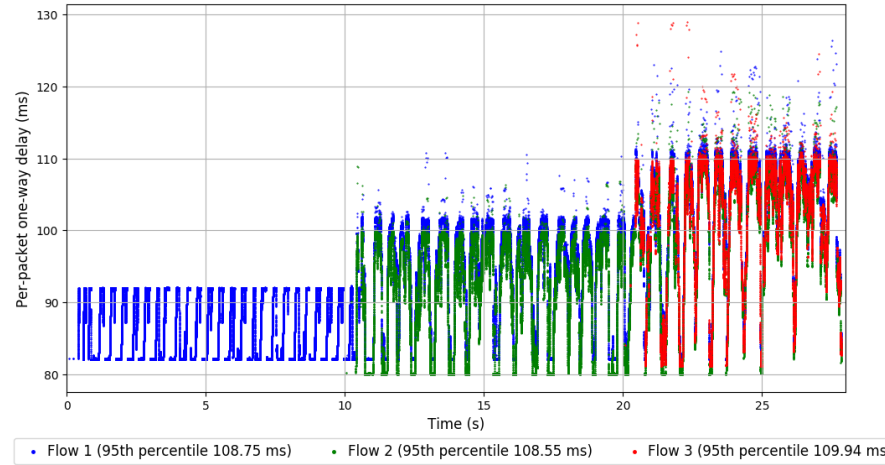
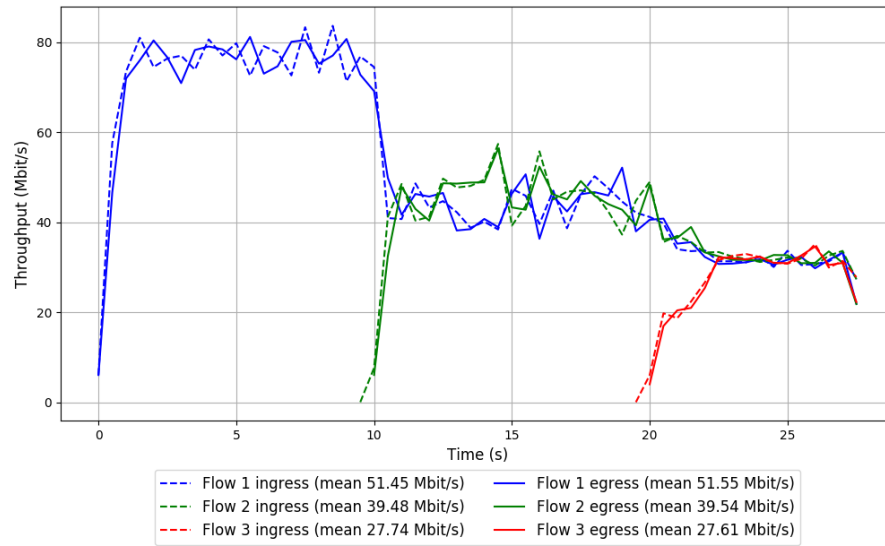
-- Flow 3:

Average throughput: 27.61 Mbit/s

95th percentile per-packet one-way delay: 109.944 ms

Loss rate: 2.70%

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

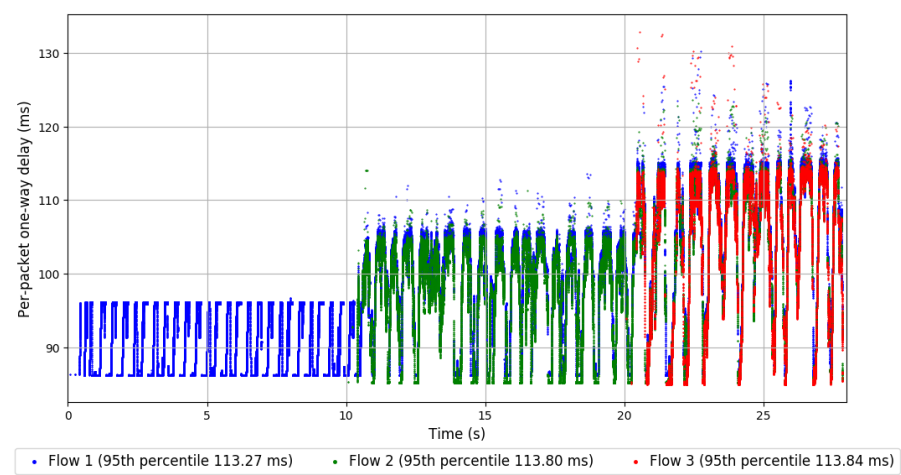
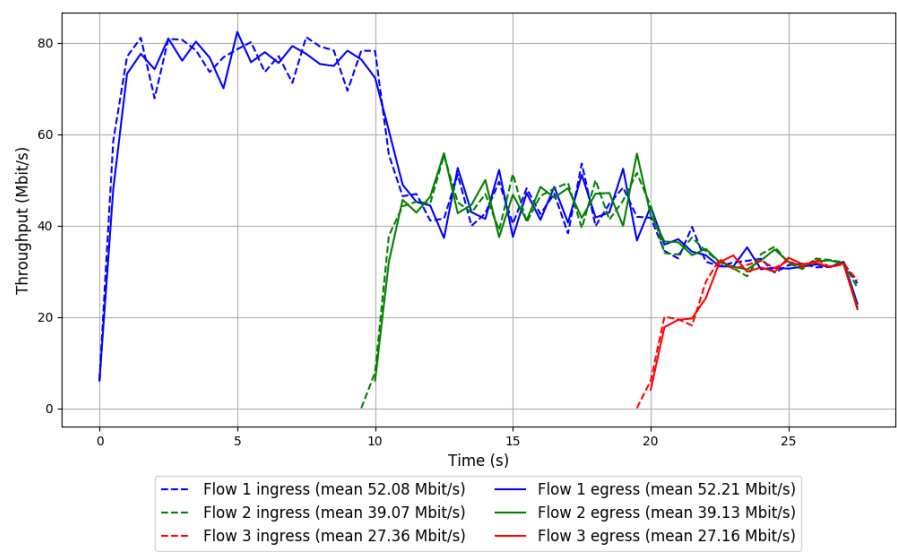


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-17 00:59:46
End at: 2018-01-17 01:00:16
Local clock offset: 0.386 ms
Remote clock offset: -4.703 ms

Below is generated by plot.py at 2018-01-17 06:54:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.87 Mbit/s
95th percentile per-packet one-way delay: 113.765 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 52.21 Mbit/s
95th percentile per-packet one-way delay: 113.267 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 113.801 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 27.16 Mbit/s
95th percentile per-packet one-way delay: 113.842 ms
Loss rate: 3.07%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-01-17 01:23:28

End at: 2018-01-17 01:23:58

Local clock offset: 0.474 ms

Remote clock offset: 1.105 ms

Below is generated by plot.py at 2018-01-17 06:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.91 Mbit/s

95th percentile per-packet one-way delay: 109.138 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 52.41 Mbit/s

95th percentile per-packet one-way delay: 107.874 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 38.27 Mbit/s

95th percentile per-packet one-way delay: 107.379 ms

Loss rate: 0.89%

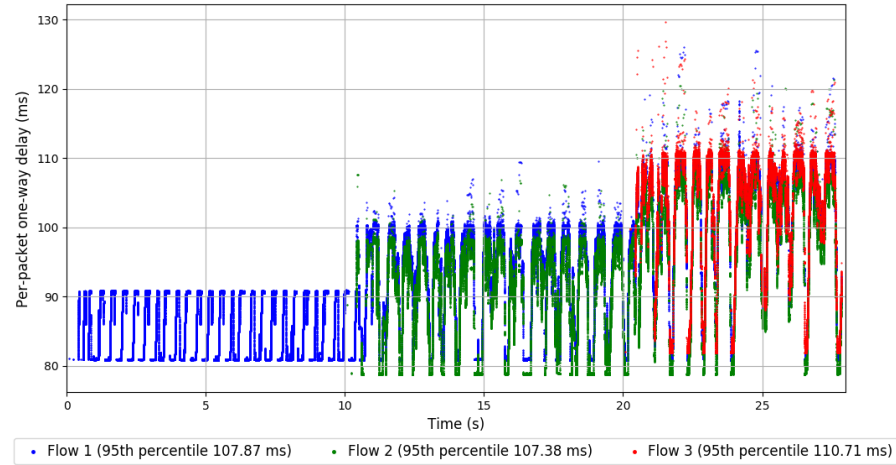
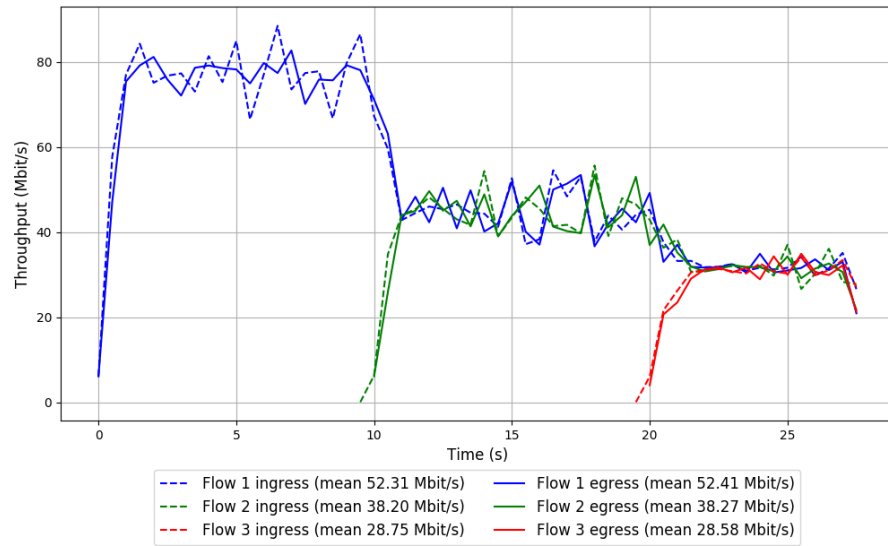
-- Flow 3:

Average throughput: 28.58 Mbit/s

95th percentile per-packet one-way delay: 110.709 ms

Loss rate: 2.79%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-17 01:47:17

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

Local clock offset: 0.595 ms

Remote clock offset: 1.482 ms

Below is generated by plot.py at 2018-01-17 06:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.44 Mbit/s

95th percentile per-packet one-way delay: 106.874 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 49.76 Mbit/s

95th percentile per-packet one-way delay: 104.194 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 35.25 Mbit/s

95th percentile per-packet one-way delay: 107.775 ms

Loss rate: 1.09%

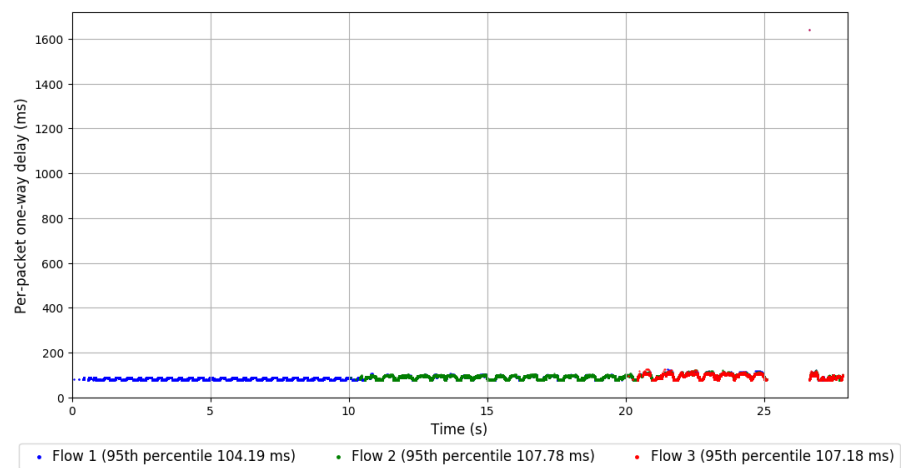
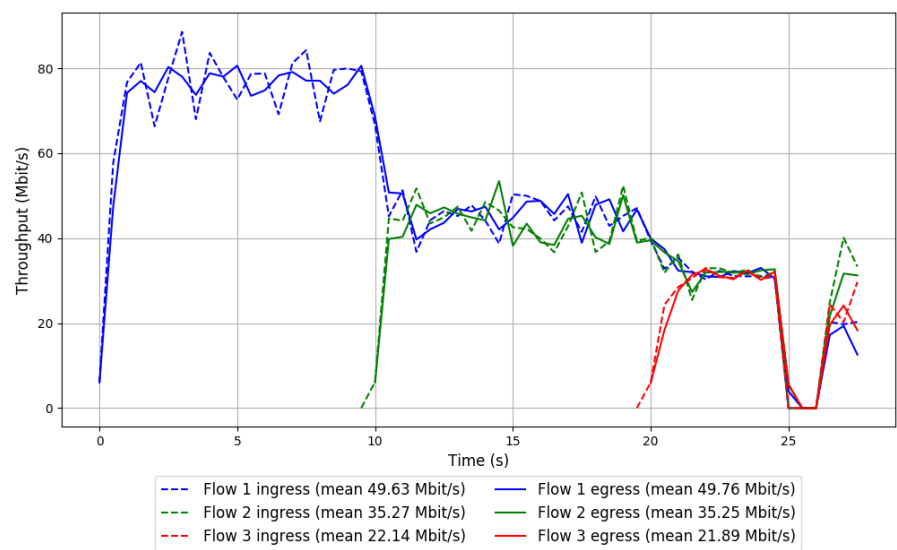
-- Flow 3:

Average throughput: 21.89 Mbit/s

95th percentile per-packet one-way delay: 107.184 ms

Loss rate: 3.48%

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

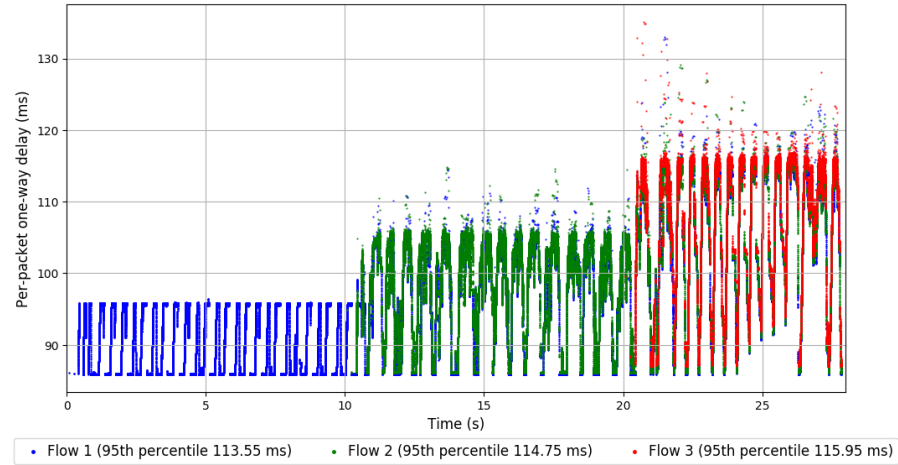
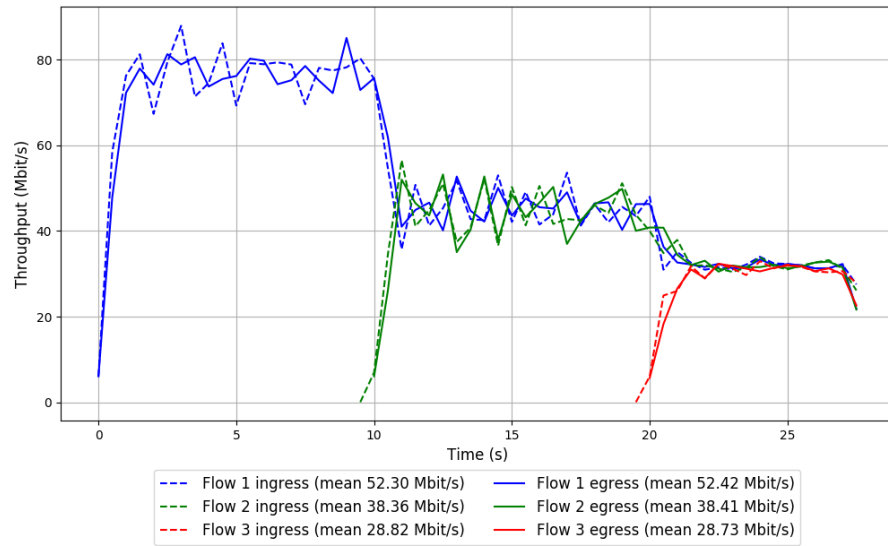


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-17 02:11:00
End at: 2018-01-17 02:11:30
Local clock offset: 0.811 ms
Remote clock offset: -4.668 ms

Below is generated by plot.py at 2018-01-17 06:56:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 114.747 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 113.548 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 114.749 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 115.947 ms
Loss rate: 2.71%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-01-17 02:34:37

End at: 2018-01-17 02:35:07

Local clock offset: 0.923 ms

Remote clock offset: -5.98 ms

Below is generated by plot.py at 2018-01-17 06:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 114.163 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 52.01 Mbit/s

95th percentile per-packet one-way delay: 113.247 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 38.17 Mbit/s

95th percentile per-packet one-way delay: 114.876 ms

Loss rate: 0.83%

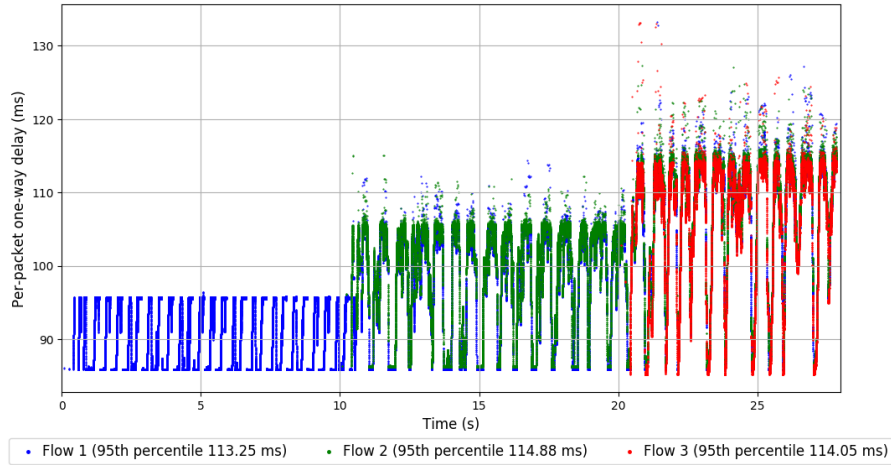
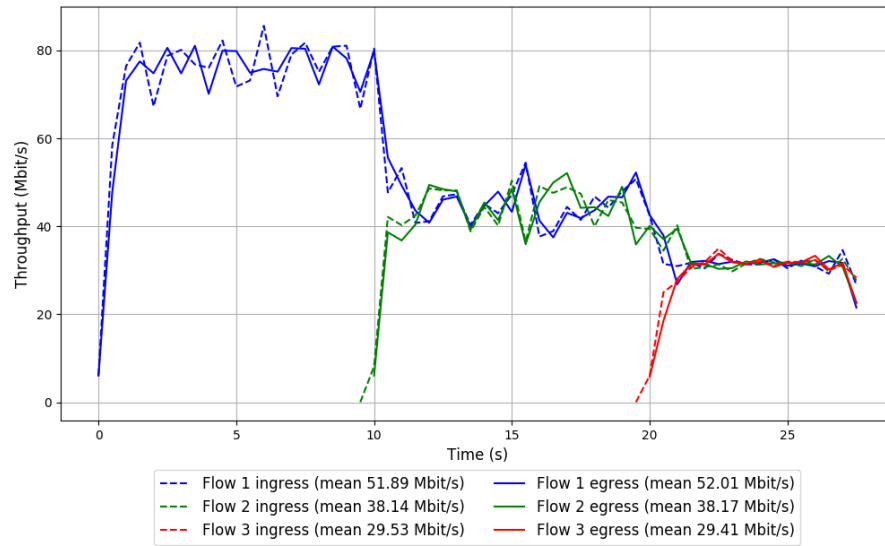
-- Flow 3:

Average throughput: 29.41 Mbit/s

95th percentile per-packet one-way delay: 114.054 ms

Loss rate: 2.50%

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

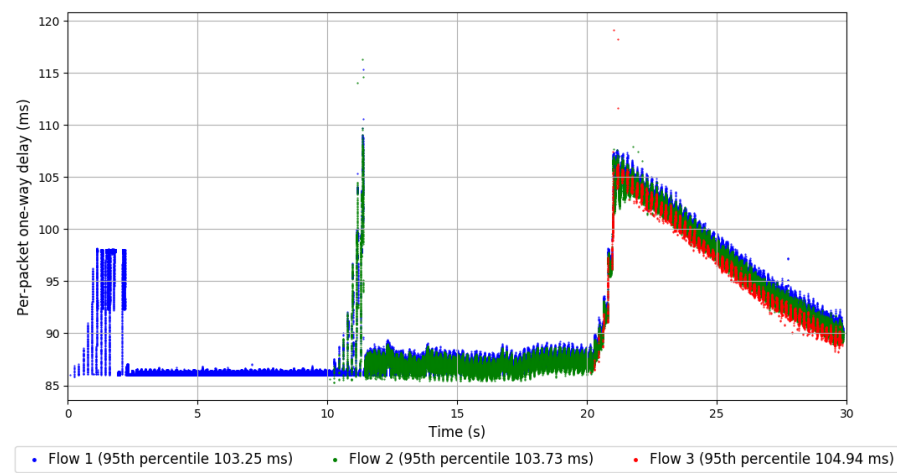
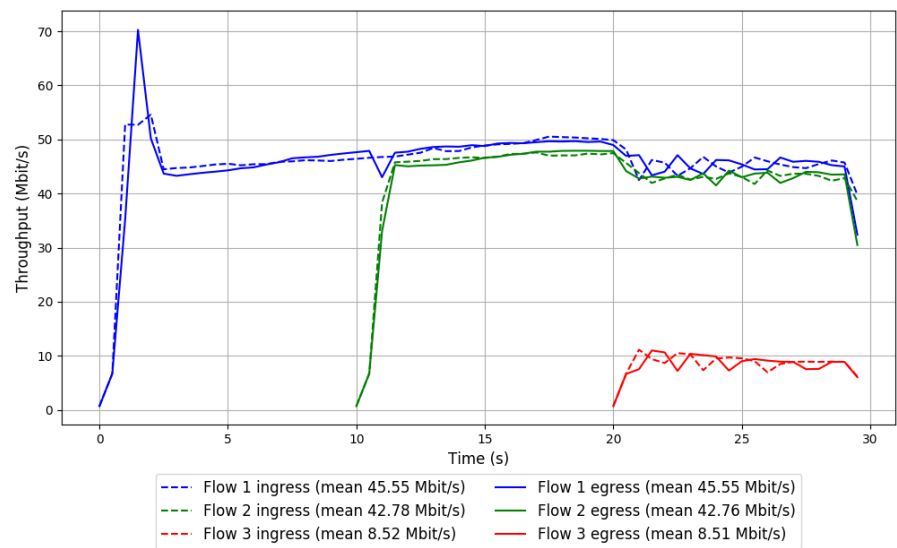


Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 23:09:41
End at: 2018-01-16 23:10:11
Local clock offset: 0.421 ms
Remote clock offset: -6.494 ms

Below is generated by plot.py at 2018-01-17 06:57:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.71 Mbit/s
95th percentile per-packet one-way delay: 103.571 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: 103.249 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 42.76 Mbit/s
95th percentile per-packet one-way delay: 103.735 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 104.945 ms
Loss rate: 1.79%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 23:33:21

End at: 2018-01-16 23:33:51

Local clock offset: 0.373 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-01-17 06:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.08 Mbit/s

95th percentile per-packet one-way delay: 115.558 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 39.27 Mbit/s

95th percentile per-packet one-way delay: 115.532 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 42.92 Mbit/s

95th percentile per-packet one-way delay: 114.314 ms

Loss rate: 0.80%

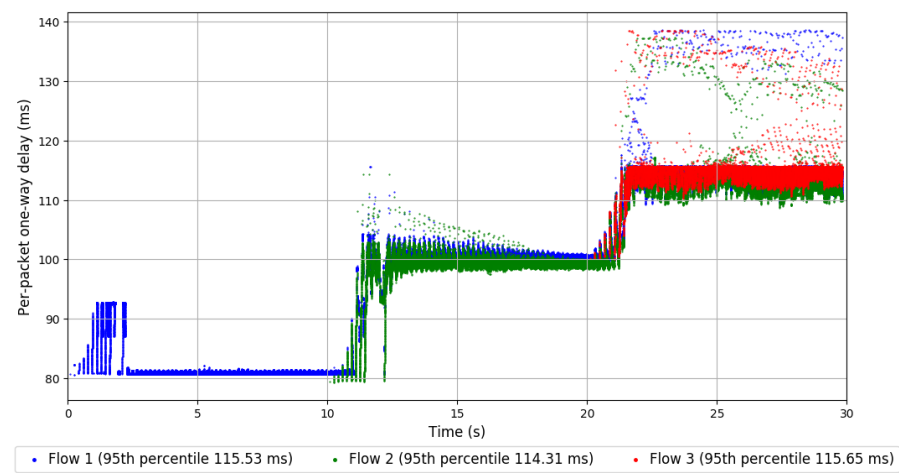
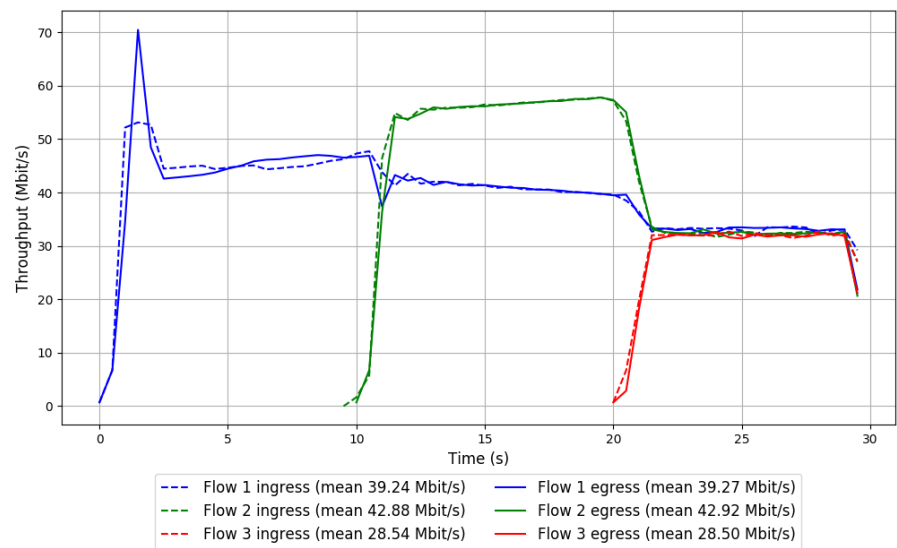
-- Flow 3:

Average throughput: 28.50 Mbit/s

95th percentile per-packet one-way delay: 115.653 ms

Loss rate: 2.53%

Run 2: Report of TCP Vegas — Data Link

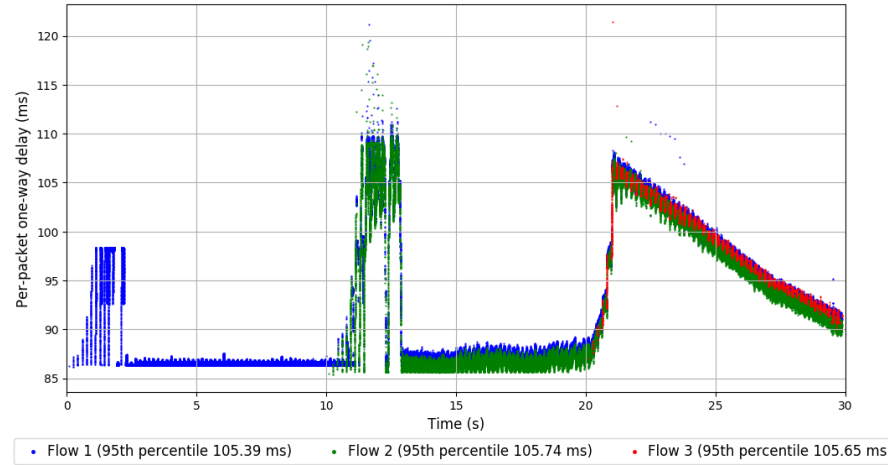
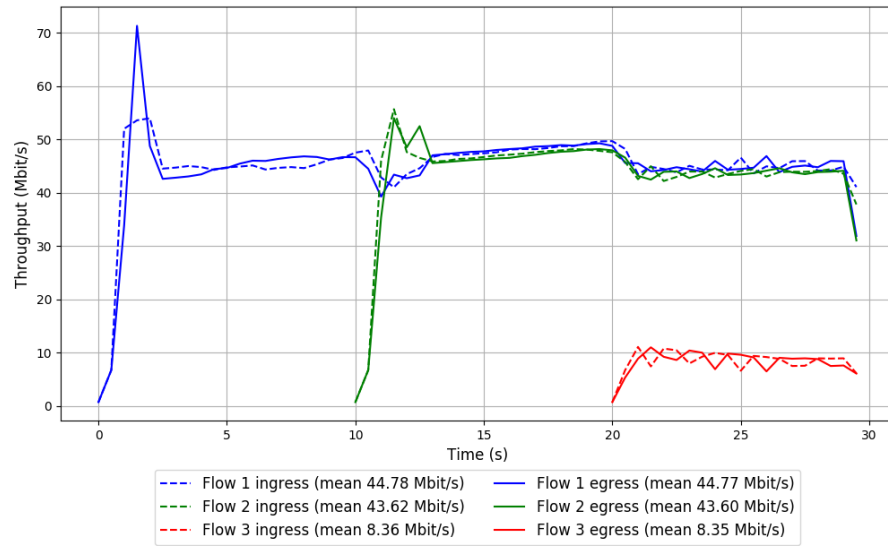


Run 3: Statistics of TCP Vegas

Start at: 2018-01-16 23:57:01
End at: 2018-01-16 23:57:31
Local clock offset: 0.316 ms
Remote clock offset: -4.075 ms

Below is generated by plot.py at 2018-01-17 06:57:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.44 Mbit/s
95th percentile per-packet one-way delay: 105.559 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 105.392 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 43.60 Mbit/s
95th percentile per-packet one-way delay: 105.740 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 105.647 ms
Loss rate: 1.80%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-17 00:20:37

End at: 2018-01-17 00:21:07

Local clock offset: 0.282 ms

Remote clock offset: 1.957 ms

Below is generated by plot.py at 2018-01-17 06:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.45 Mbit/s

95th percentile per-packet one-way delay: 114.698 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 39.53 Mbit/s

95th percentile per-packet one-way delay: 114.262 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 42.52 Mbit/s

95th percentile per-packet one-way delay: 114.673 ms

Loss rate: 0.83%

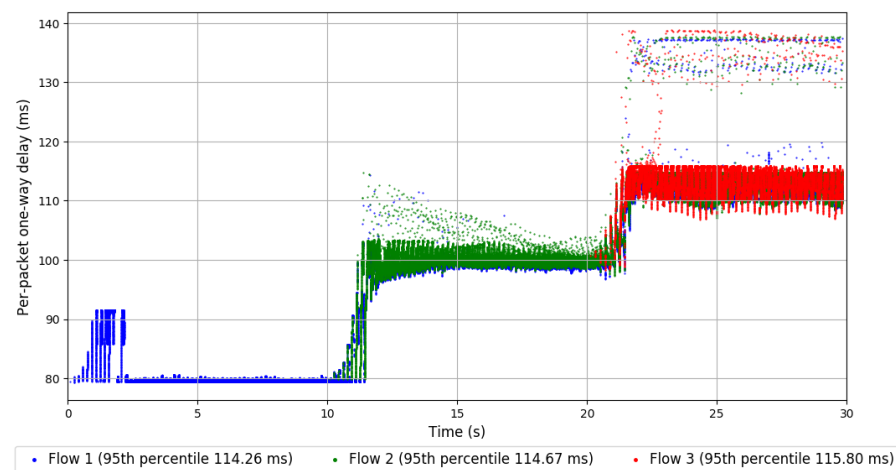
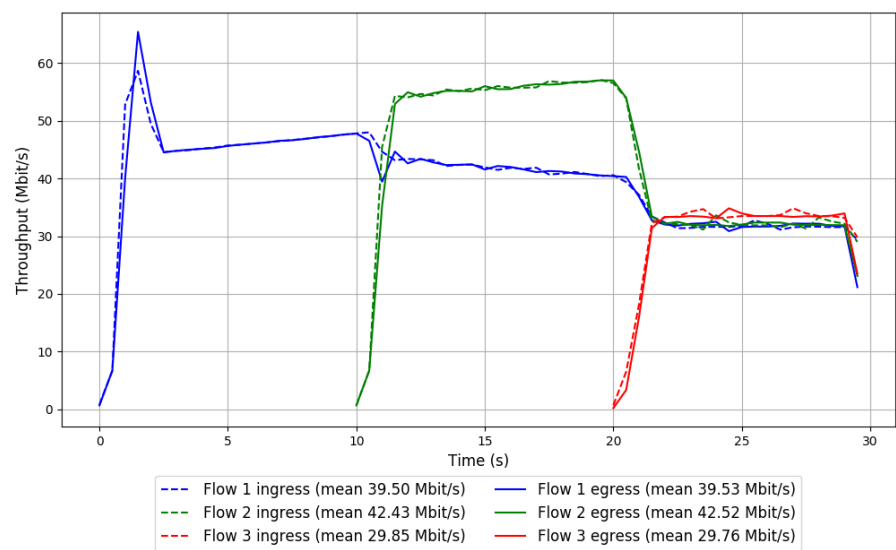
-- Flow 3:

Average throughput: 29.76 Mbit/s

95th percentile per-packet one-way delay: 115.797 ms

Loss rate: 2.43%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-17 00:44:16

End at: 2018-01-17 00:44:46

Local clock offset: 0.377 ms

Remote clock offset: 1.952 ms

Below is generated by plot.py at 2018-01-17 06:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.31 Mbit/s

95th percentile per-packet one-way delay: 99.020 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 45.18 Mbit/s

95th percentile per-packet one-way delay: 99.147 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 42.67 Mbit/s

95th percentile per-packet one-way delay: 98.824 ms

Loss rate: 0.87%

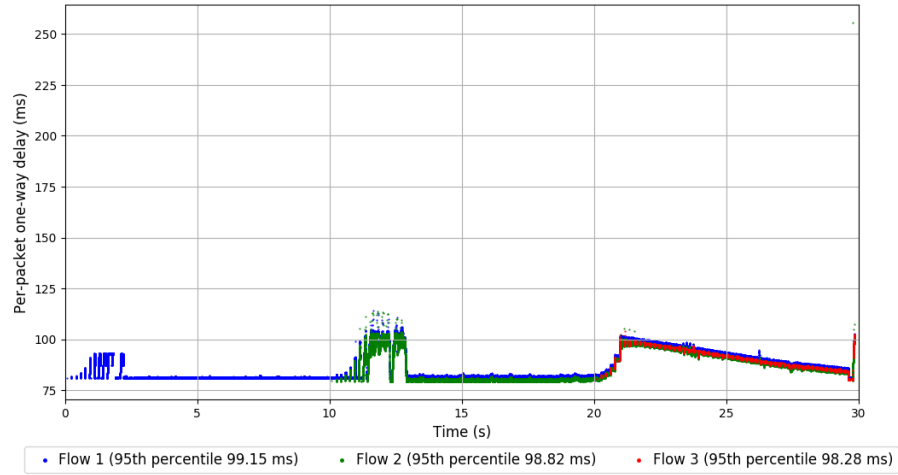
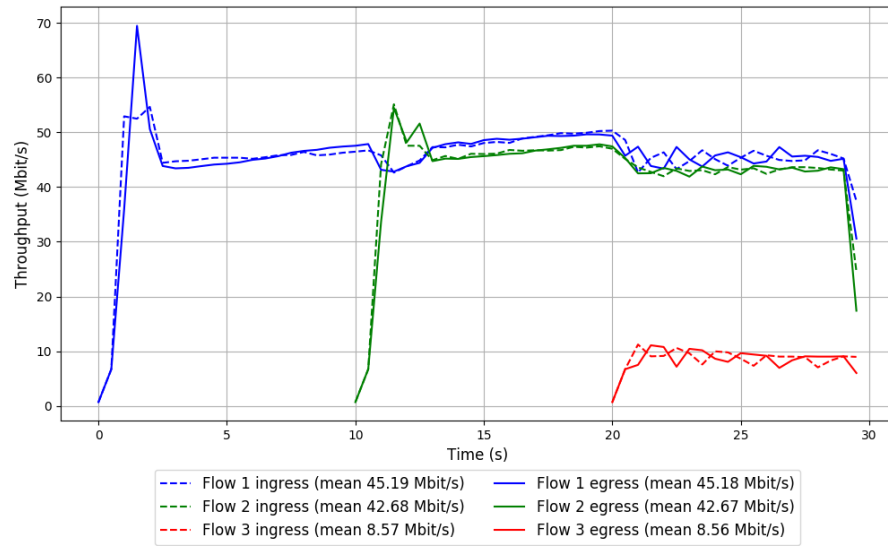
-- Flow 3:

Average throughput: 8.56 Mbit/s

95th percentile per-packet one-way delay: 98.279 ms

Loss rate: 1.79%

Run 5: Report of TCP Vegas — Data Link

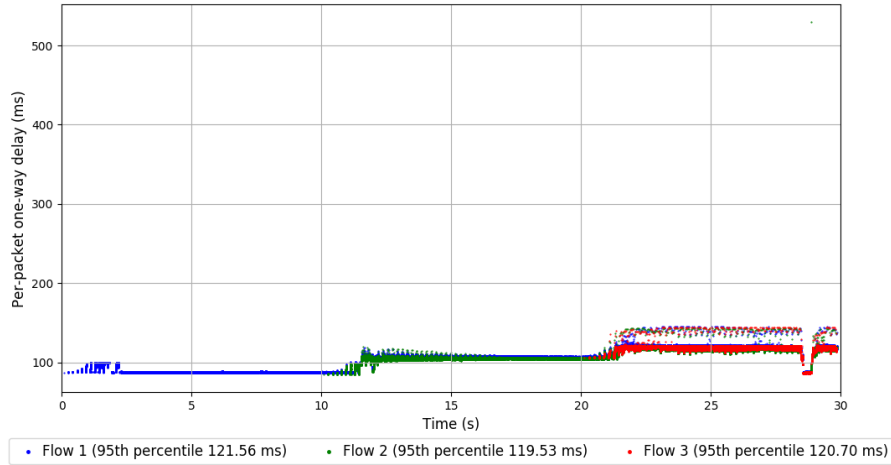
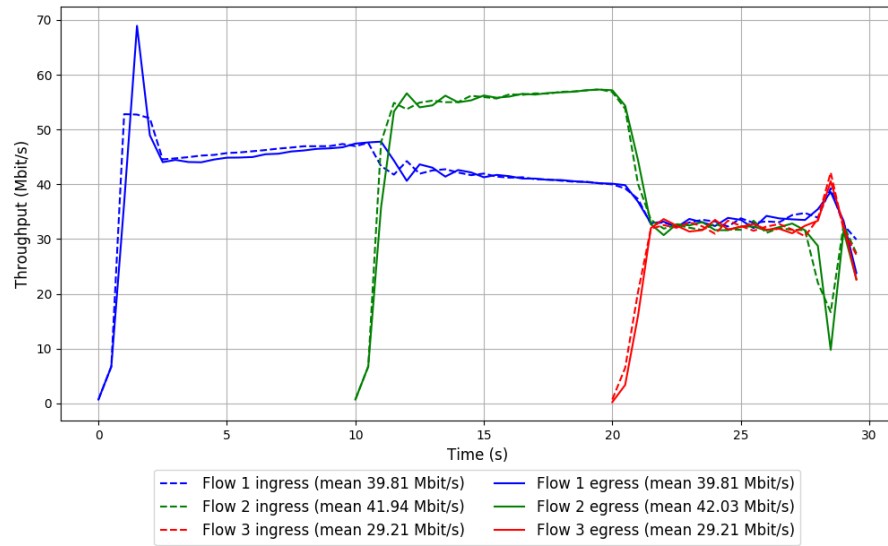


Run 6: Statistics of TCP Vegas

Start at: 2018-01-17 01:07:53
End at: 2018-01-17 01:08:23
Local clock offset: 0.392 ms
Remote clock offset: -4.279 ms

Below is generated by plot.py at 2018-01-17 06:57:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 120.702 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 121.564 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 119.532 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 120.698 ms
Loss rate: 2.15%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

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

End at: 2018-01-17 01:32:13

Local clock offset: 0.51 ms

Remote clock offset: 0.872 ms

Below is generated by plot.py at 2018-01-17 06:57:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.39 Mbit/s

95th percentile per-packet one-way delay: 103.543 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 101.681 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 45.18 Mbit/s

95th percentile per-packet one-way delay: 104.500 ms

Loss rate: 0.77%

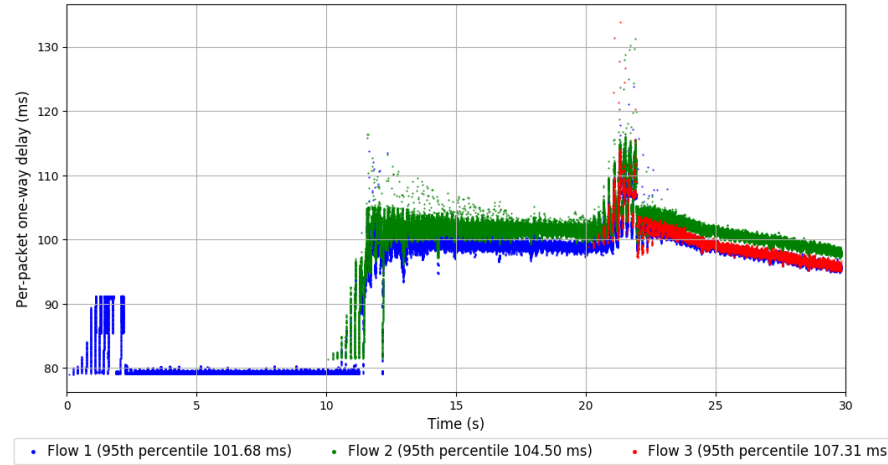
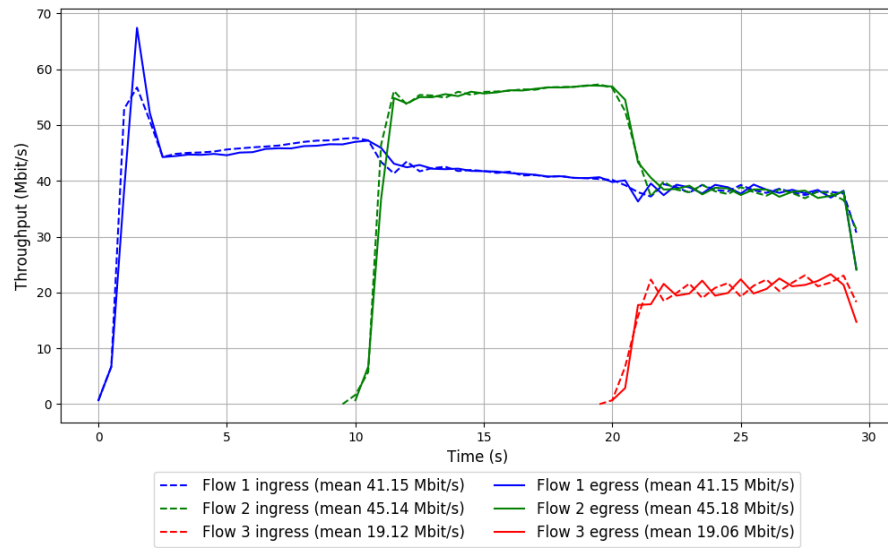
-- Flow 3:

Average throughput: 19.06 Mbit/s

95th percentile per-packet one-way delay: 107.313 ms

Loss rate: 2.19%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-01-17 01:55:25

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

Local clock offset: 0.644 ms

Remote clock offset: 0.725 ms

Below is generated by plot.py at 2018-01-17 06:57:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 116.076 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 40.35 Mbit/s

95th percentile per-packet one-way delay: 116.162 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 41.95 Mbit/s

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

Loss rate: 0.84%

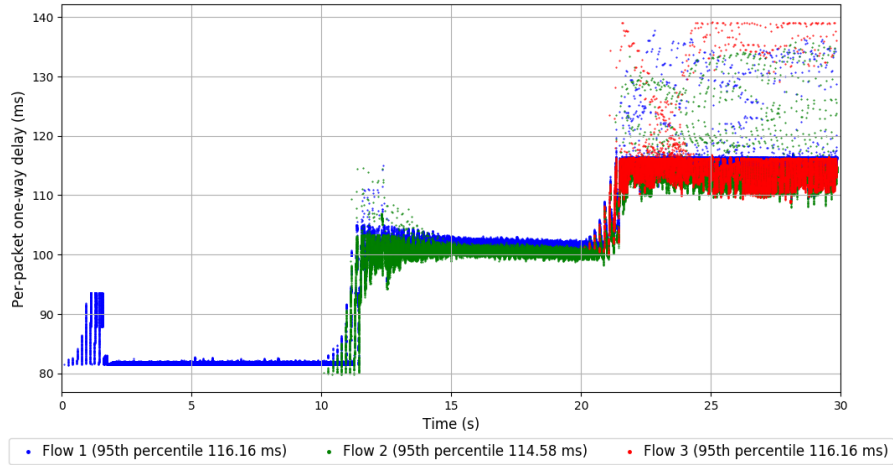
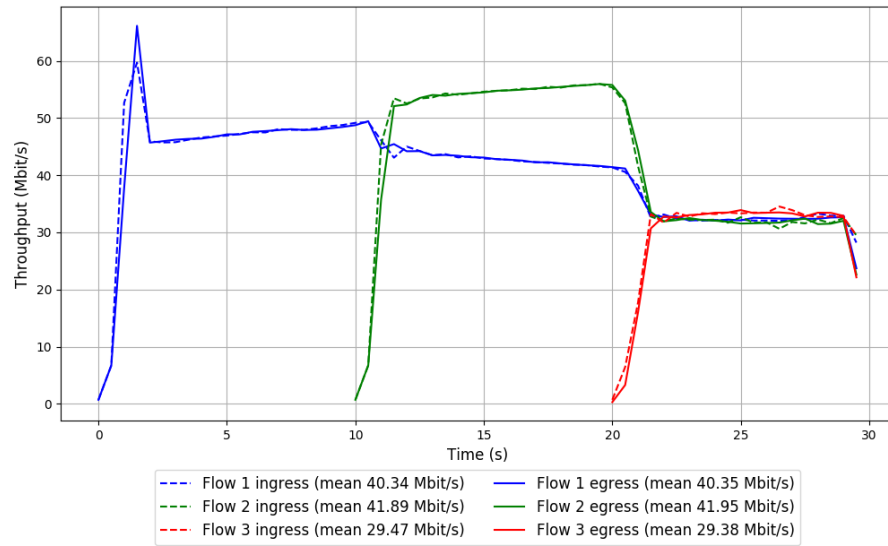
-- Flow 3:

Average throughput: 29.38 Mbit/s

95th percentile per-packet one-way delay: 116.158 ms

Loss rate: 2.44%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-01-17 02:19:06

End at: 2018-01-17 02:19:36

Local clock offset: 0.78 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-01-17 06:57:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.56 Mbit/s

95th percentile per-packet one-way delay: 101.325 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 45.40 Mbit/s

95th percentile per-packet one-way delay: 100.405 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 42.74 Mbit/s

95th percentile per-packet one-way delay: 102.228 ms

Loss rate: 0.88%

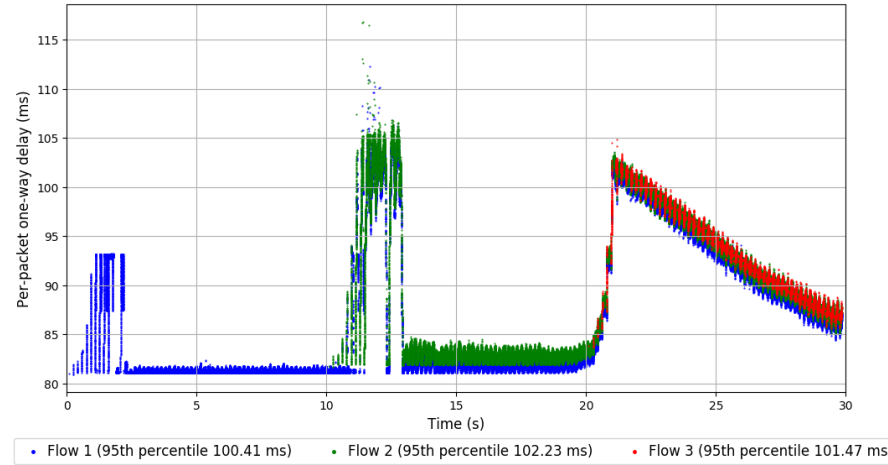
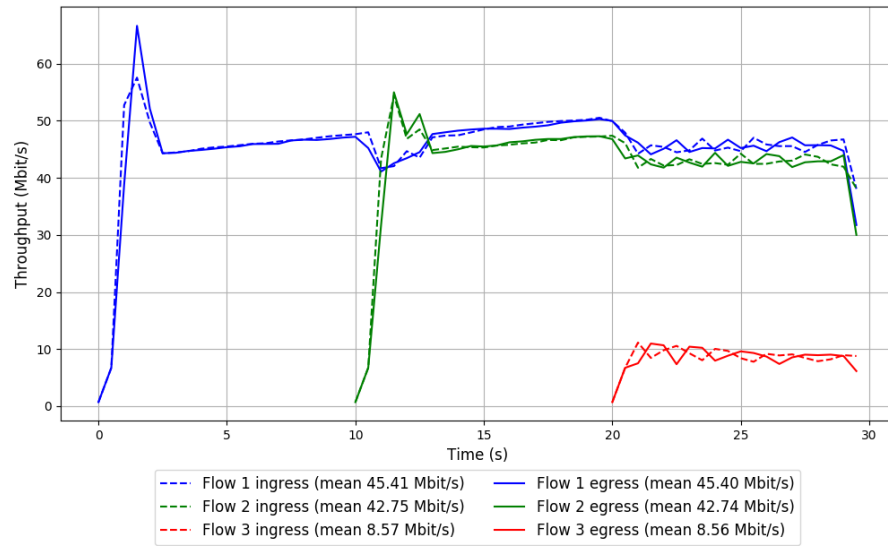
-- Flow 3:

Average throughput: 8.56 Mbit/s

95th percentile per-packet one-way delay: 101.469 ms

Loss rate: 1.84%

Run 9: Report of TCP Vegas — Data Link

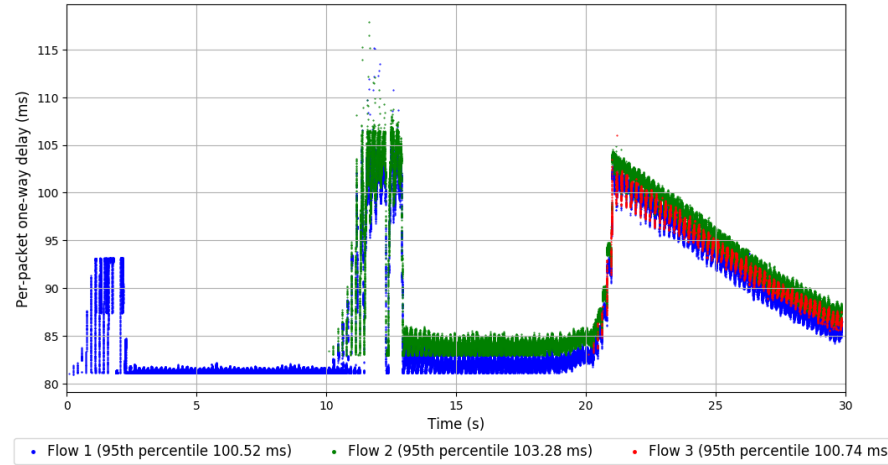
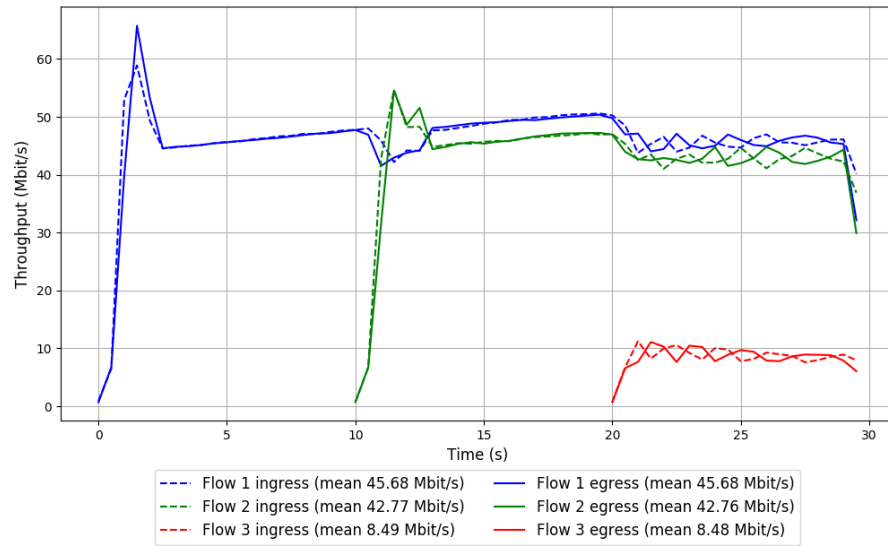


Run 10: Statistics of TCP Vegas

Start at: 2018-01-17 02:42:44
End at: 2018-01-17 02:43:14
Local clock offset: 0.982 ms
Remote clock offset: -0.964 ms

Below is generated by plot.py at 2018-01-17 06:57:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 101.894 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 100.515 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 42.76 Mbit/s
95th percentile per-packet one-way delay: 103.277 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: 100.736 ms
Loss rate: 1.83%

Run 10: Report of TCP Vegas — Data Link

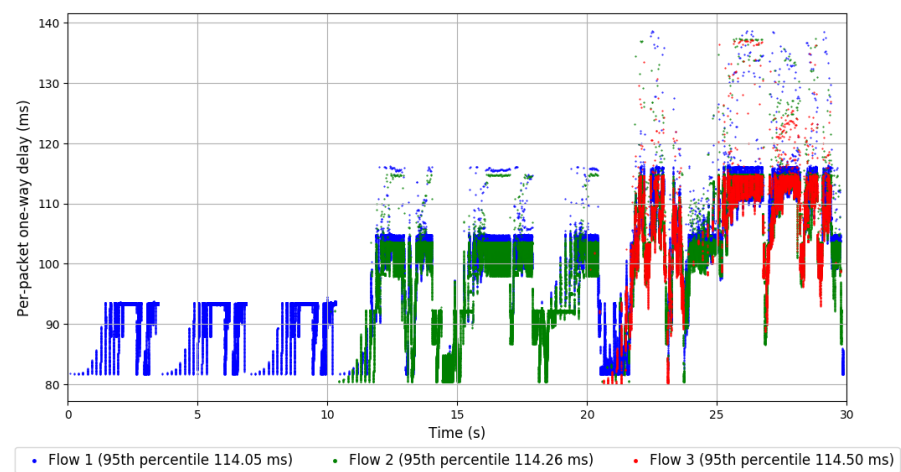
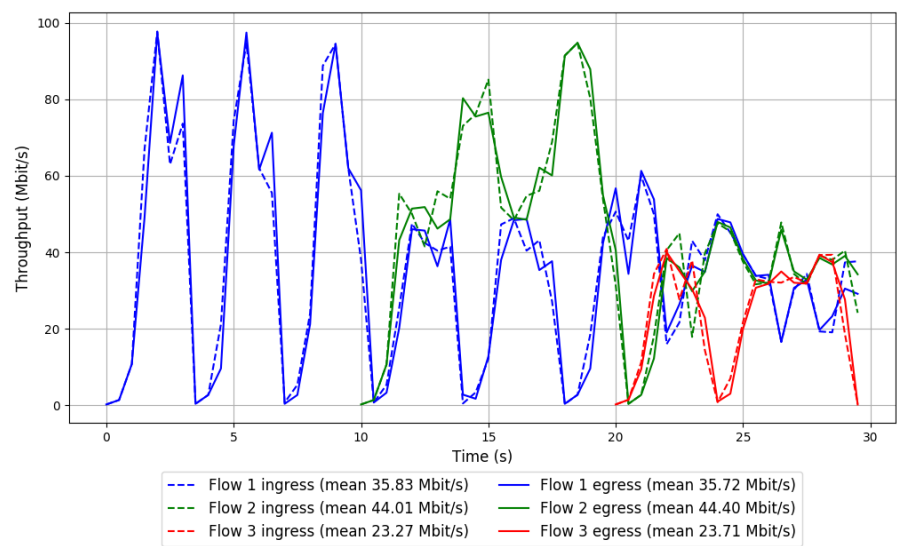


Run 1: Statistics of Verus

Start at: 2018-01-16 23:12:23
End at: 2018-01-16 23:12:53
Local clock offset: 0.44 ms
Remote clock offset: -2.391 ms

Below is generated by plot.py at 2018-01-17 06:57:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.74 Mbit/s
95th percentile per-packet one-way delay: 114.443 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 114.050 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 44.40 Mbit/s
95th percentile per-packet one-way delay: 114.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 114.502 ms
Loss rate: 0.05%

Run 1: Report of Verus — Data Link

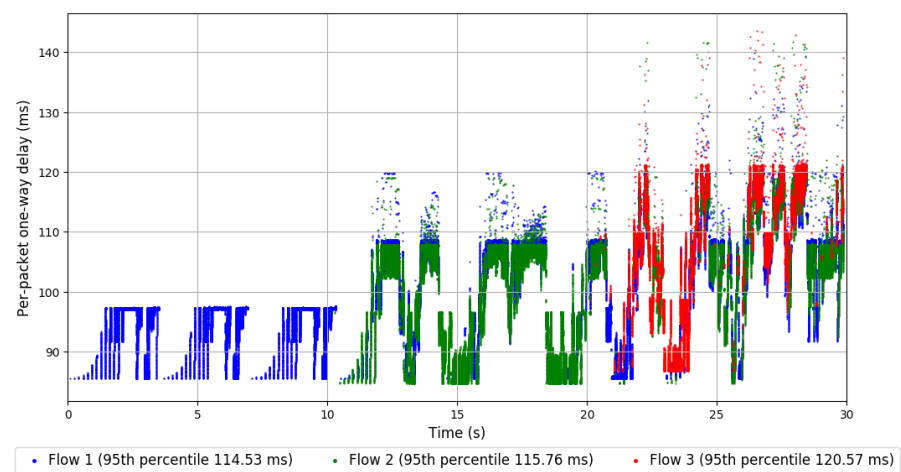
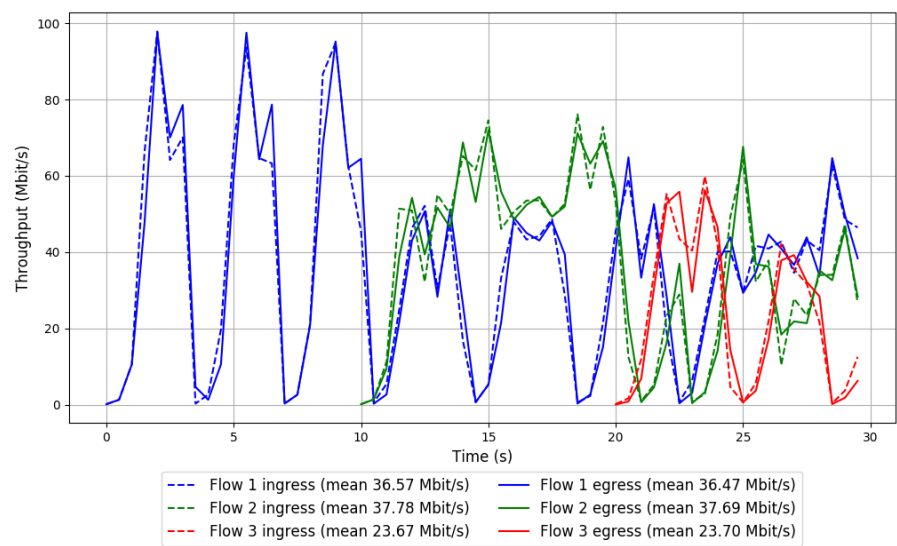


Run 2: Statistics of Verus

Start at: 2018-01-16 23:36:02
End at: 2018-01-16 23:36:32
Local clock offset: 0.412 ms
Remote clock offset: -5.205 ms

Below is generated by plot.py at 2018-01-17 06:57:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 116.911 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 114.525 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 115.760 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 120.570 ms
Loss rate: 1.78%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-16 23:59:42

End at: 2018-01-17 00:00:12

Local clock offset: 0.373 ms

Remote clock offset: 0.849 ms

Below is generated by plot.py at 2018-01-17 06:58:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.53 Mbit/s

95th percentile per-packet one-way delay: 112.399 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 43.95 Mbit/s

95th percentile per-packet one-way delay: 106.621 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 26.24 Mbit/s

95th percentile per-packet one-way delay: 113.907 ms

Loss rate: 1.18%

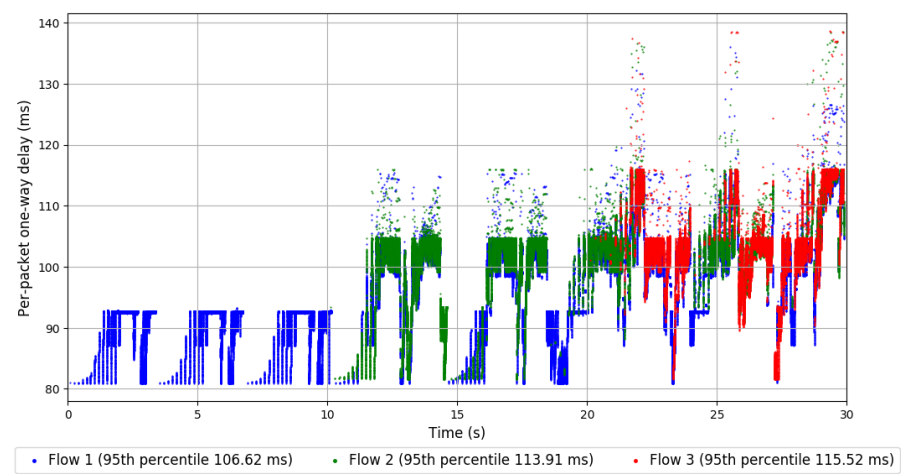
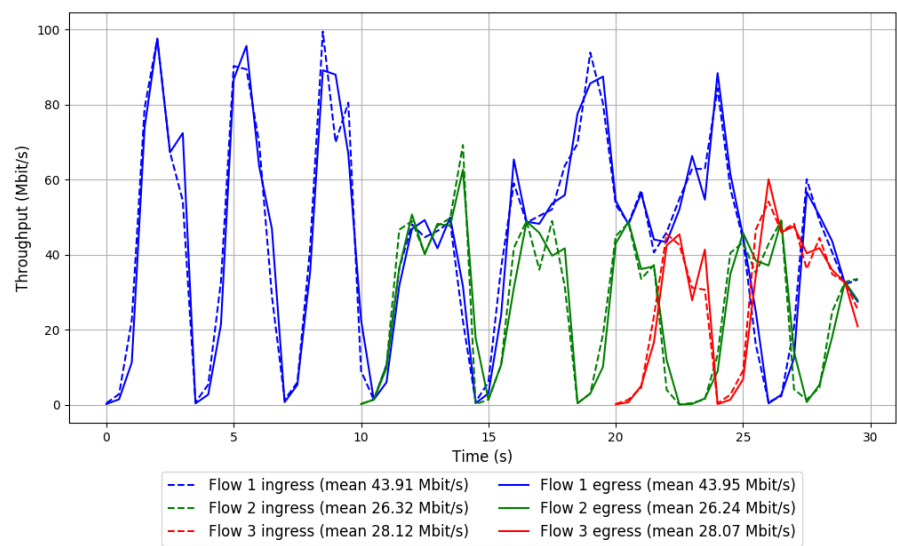
-- Flow 3:

Average throughput: 28.07 Mbit/s

95th percentile per-packet one-way delay: 115.523 ms

Loss rate: 2.34%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-17 00:23:18

End at: 2018-01-17 00:23:48

Local clock offset: 0.367 ms

Remote clock offset: 1.415 ms

Below is generated by plot.py at 2018-01-17 06:58:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.26 Mbit/s

95th percentile per-packet one-way delay: 115.479 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 36.71 Mbit/s

95th percentile per-packet one-way delay: 115.123 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 41.06 Mbit/s

95th percentile per-packet one-way delay: 114.619 ms

Loss rate: 0.98%

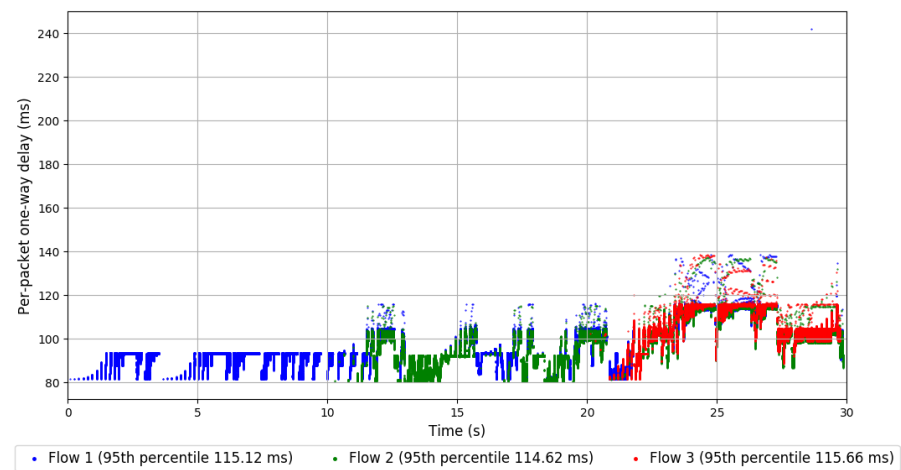
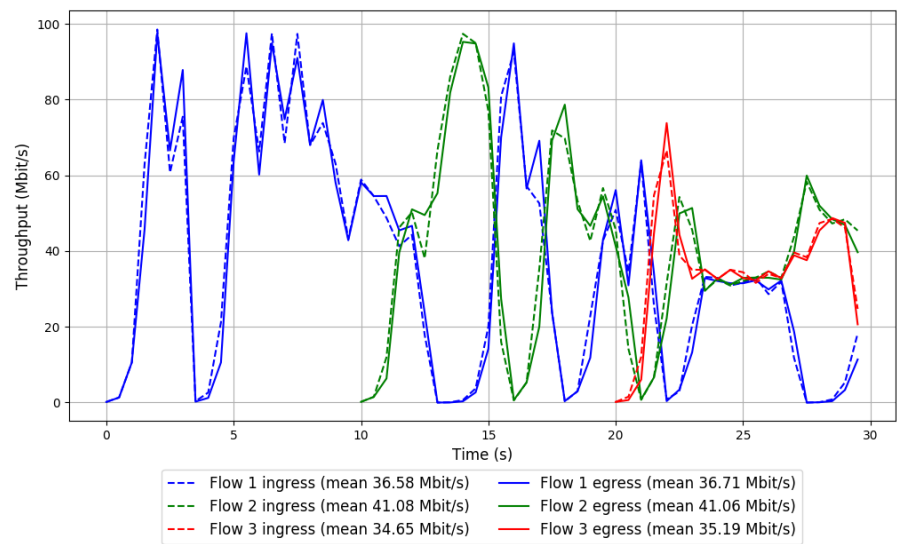
-- Flow 3:

Average throughput: 35.19 Mbit/s

95th percentile per-packet one-way delay: 115.662 ms

Loss rate: 1.87%

Run 4: Report of Verus — Data Link

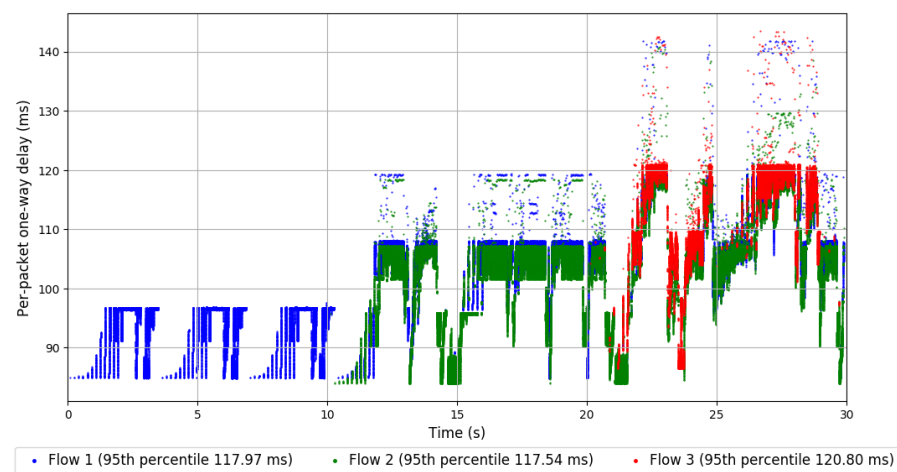
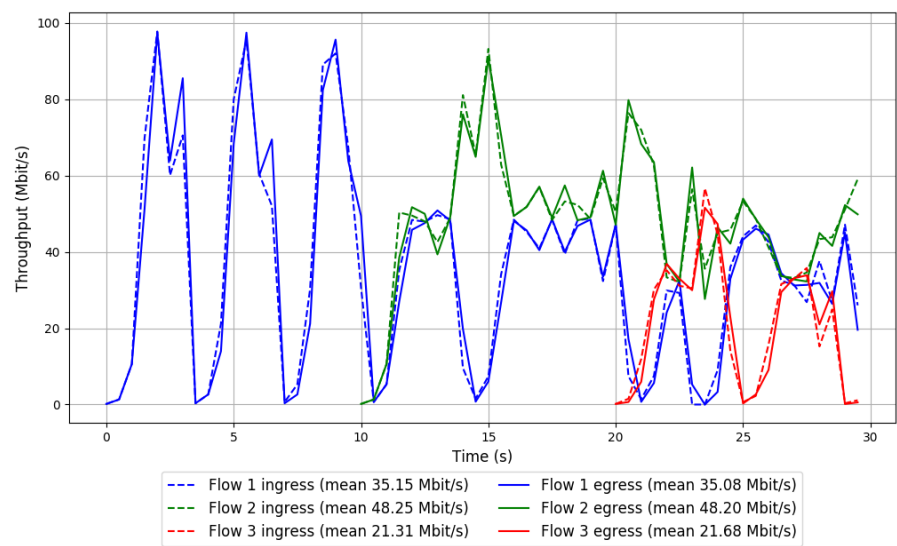


Run 5: Statistics of Verus

Start at: 2018-01-17 00:46:57
End at: 2018-01-17 00:47:28
Local clock offset: 0.299 ms
Remote clock offset: -3.715 ms

Below is generated by plot.py at 2018-01-17 06:58:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 118.443 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 35.08 Mbit/s
95th percentile per-packet one-way delay: 117.971 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 117.543 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 120.799 ms
Loss rate: 0.18%

Run 5: Report of Verus — Data Link

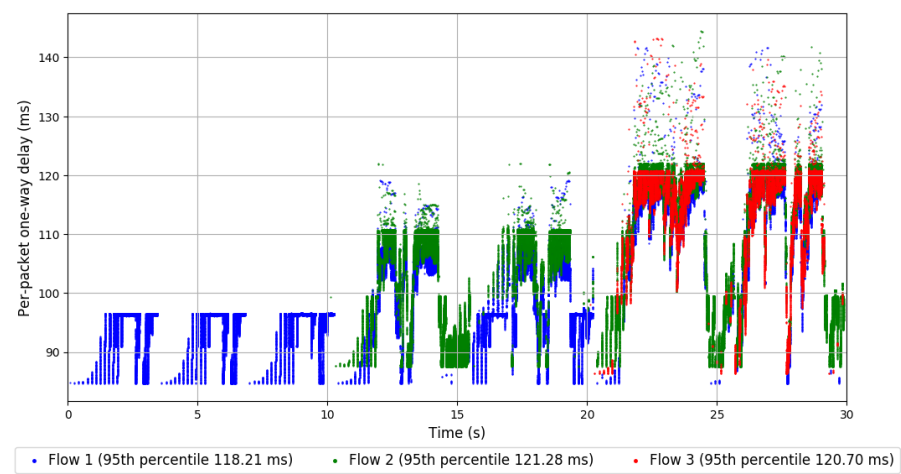
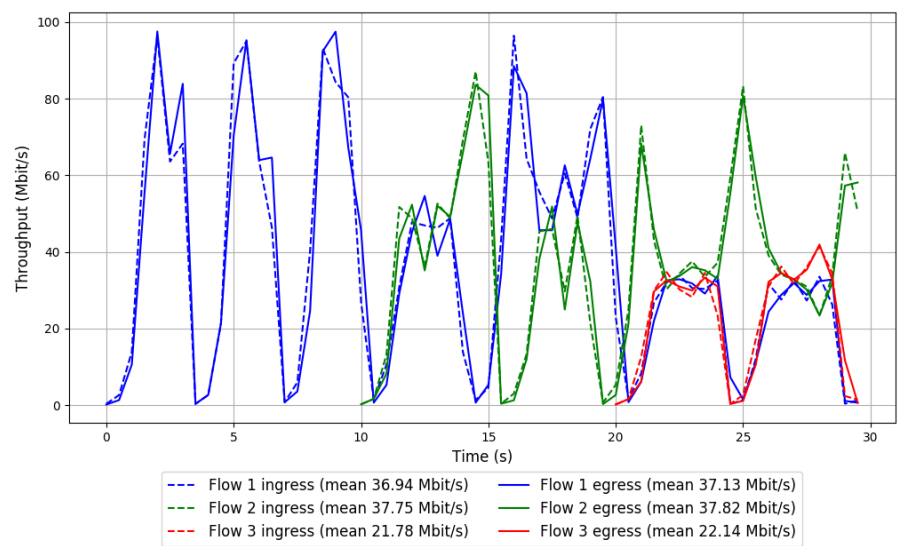


Run 6: Statistics of Verus

Start at: 2018-01-17 01:10:34
End at: 2018-01-17 01:11:04
Local clock offset: 0.422 ms
Remote clock offset: -4.158 ms

Below is generated by plot.py at 2018-01-17 06:58:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 120.356 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 118.210 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 121.276 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 120.704 ms
Loss rate: 0.20%

Run 6: Report of Verus — Data Link

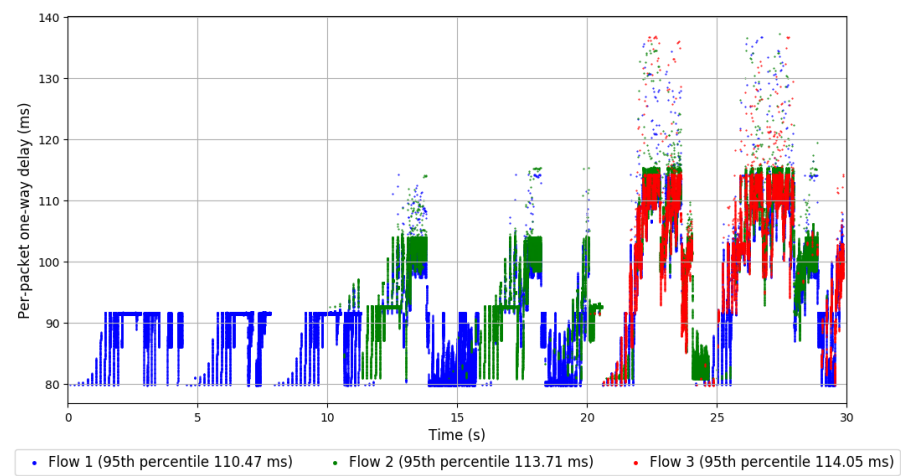
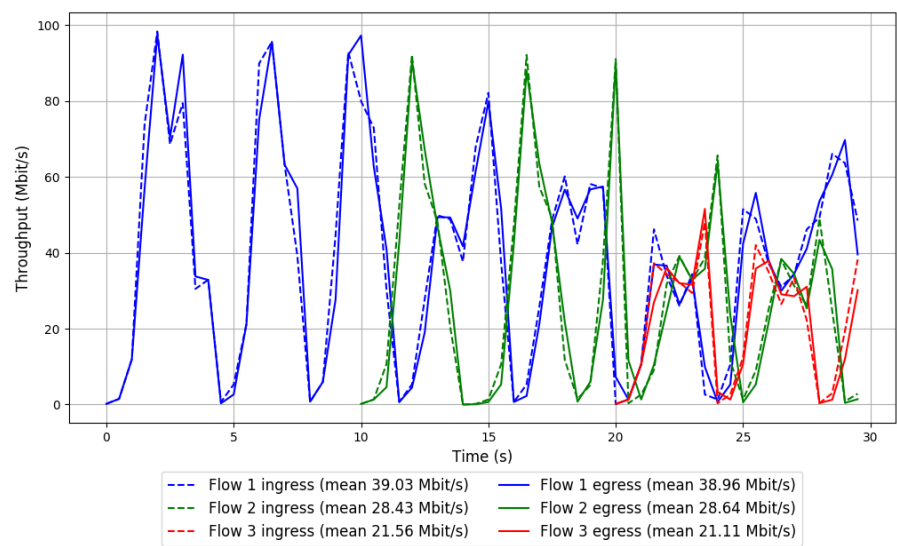


Run 7: Statistics of Verus

Start at: 2018-01-17 01:34:21
End at: 2018-01-17 01:34:51
Local clock offset: 0.482 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-01-17 06:58:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 112.852 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 38.96 Mbit/s
95th percentile per-packet one-way delay: 110.469 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 113.707 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 114.047 ms
Loss rate: 4.00%

Run 7: Report of Verus — Data Link

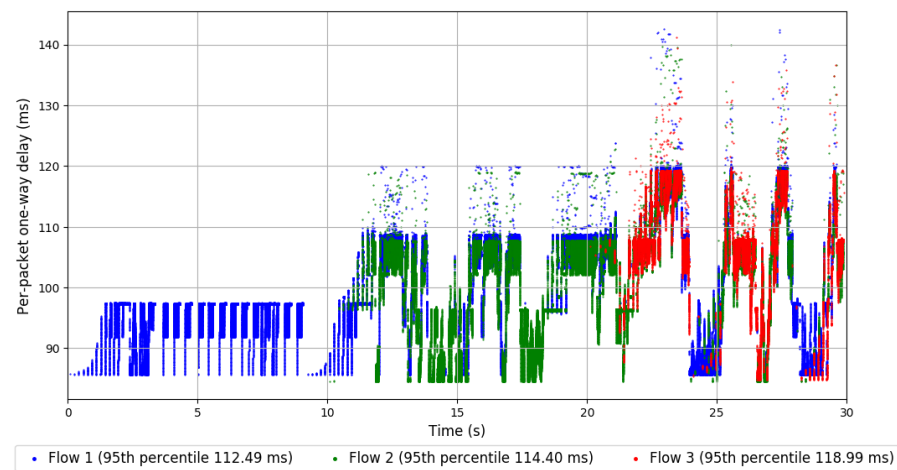
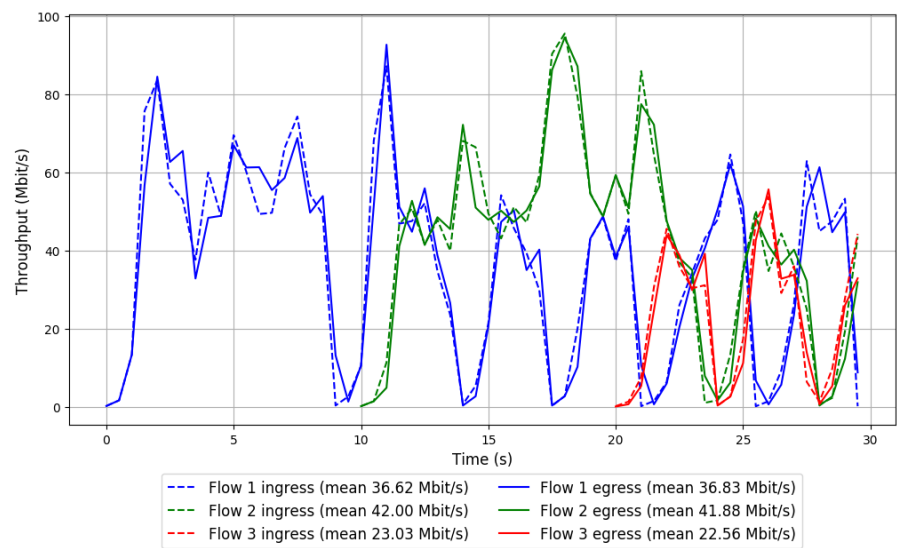


Run 8: Statistics of Verus

Start at: 2018-01-17 01:58:08
End at: 2018-01-17 01:58:38
Local clock offset: 0.667 ms
Remote clock offset: -4.955 ms

Below is generated by plot.py at 2018-01-17 06:58:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 115.523 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 112.487 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 114.404 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 118.994 ms
Loss rate: 3.98%

Run 8: Report of Verus — Data Link

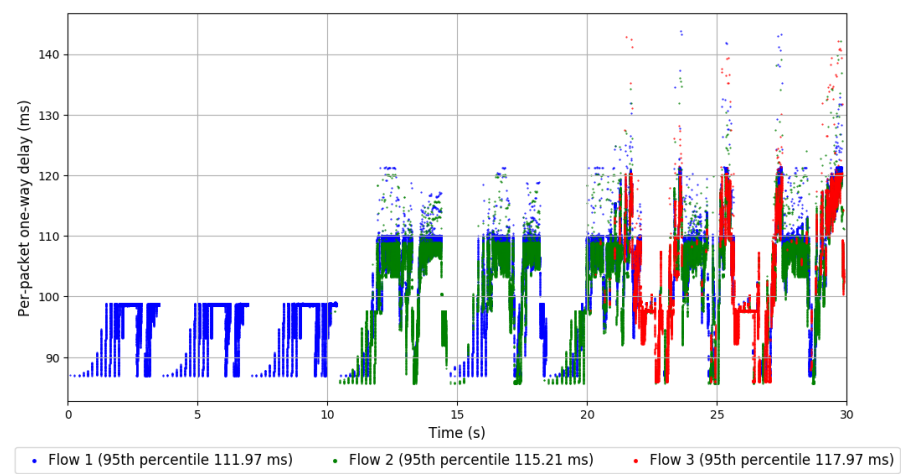
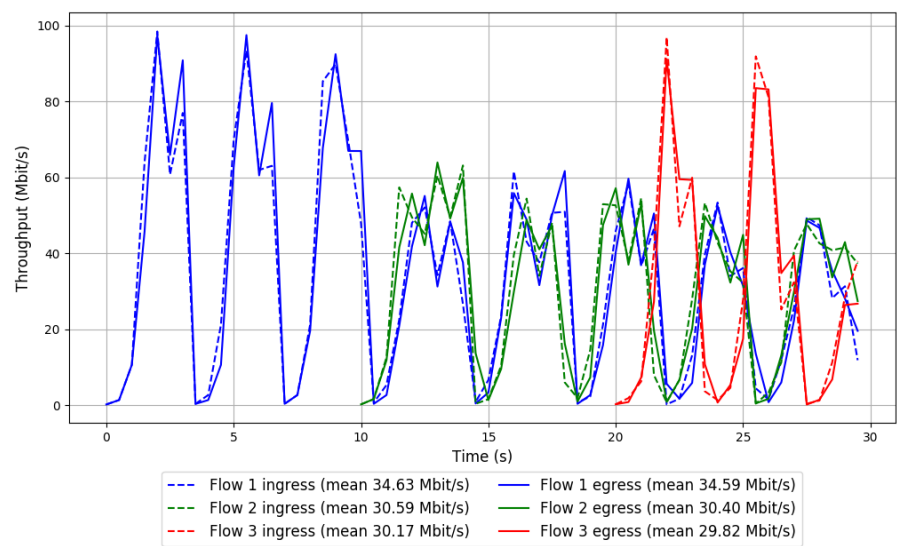


Run 9: Statistics of Verus

Start at: 2018-01-17 02:21:48
End at: 2018-01-17 02:22:18
Local clock offset: 0.853 ms
Remote clock offset: -4.755 ms

Below is generated by plot.py at 2018-01-17 06:58:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 115.076 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 111.975 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 115.209 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 117.965 ms
Loss rate: 2.98%

Run 9: Report of Verus — Data Link

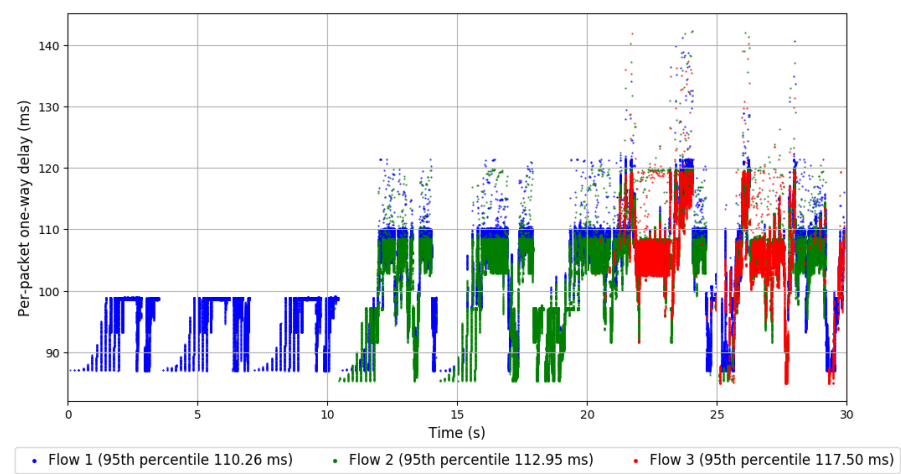
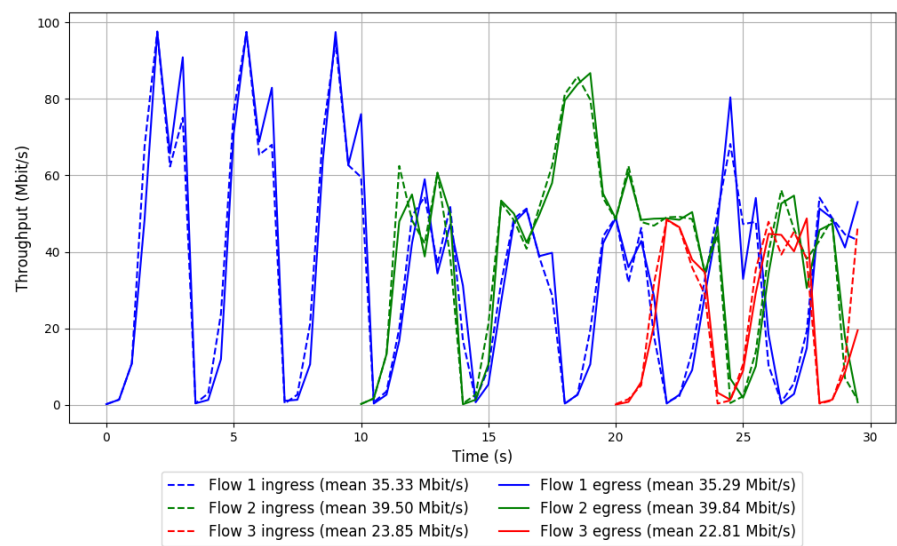


Run 10: Statistics of Verus

Start at: 2018-01-17 02:45:26
End at: 2018-01-17 02:45:56
Local clock offset: 0.989 ms
Remote clock offset: -4.972 ms

Below is generated by plot.py at 2018-01-17 06:58:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 113.895 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 110.261 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 112.955 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 117.504 ms
Loss rate: 6.18%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-16 23:16:13

End at: 2018-01-16 23:16:43

Local clock offset: 0.476 ms

Remote clock offset: -6.26 ms

Below is generated by plot.py at 2018-01-17 07:00:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.45 Mbit/s

95th percentile per-packet one-way delay: 99.850 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 76.40 Mbit/s

95th percentile per-packet one-way delay: 100.272 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 15.55 Mbit/s

95th percentile per-packet one-way delay: 99.415 ms

Loss rate: 1.13%

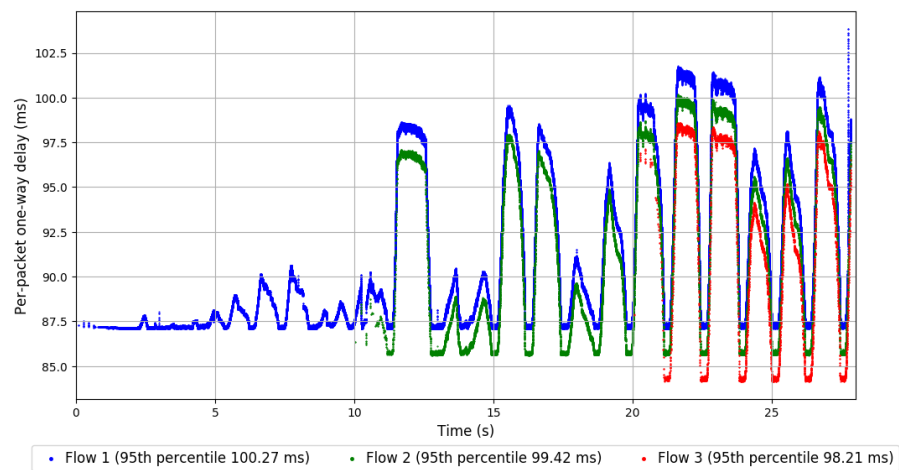
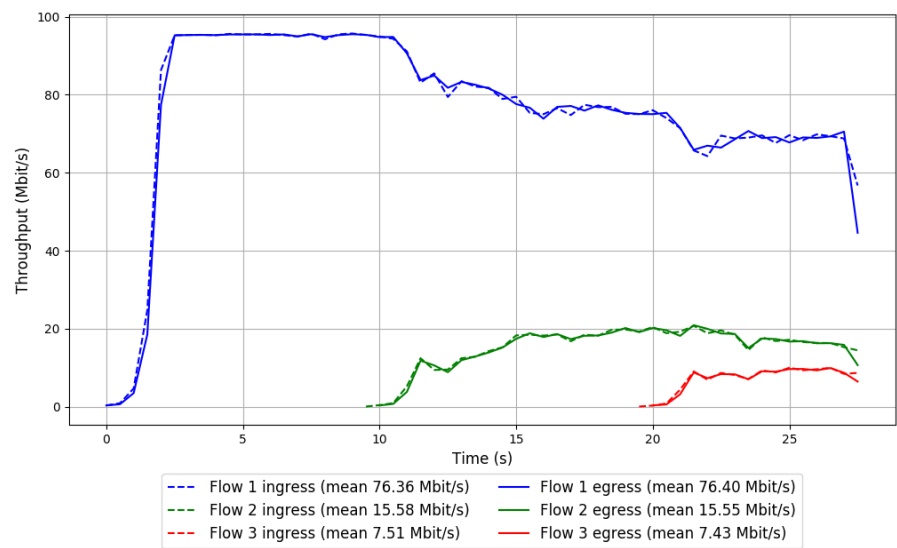
-- Flow 3:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 98.210 ms

Loss rate: 3.19%

Run 1: Report of Copa — Data Link

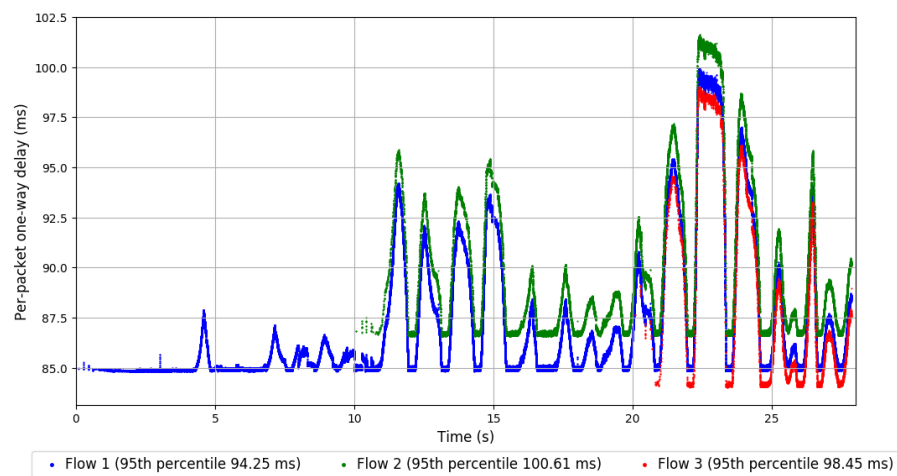
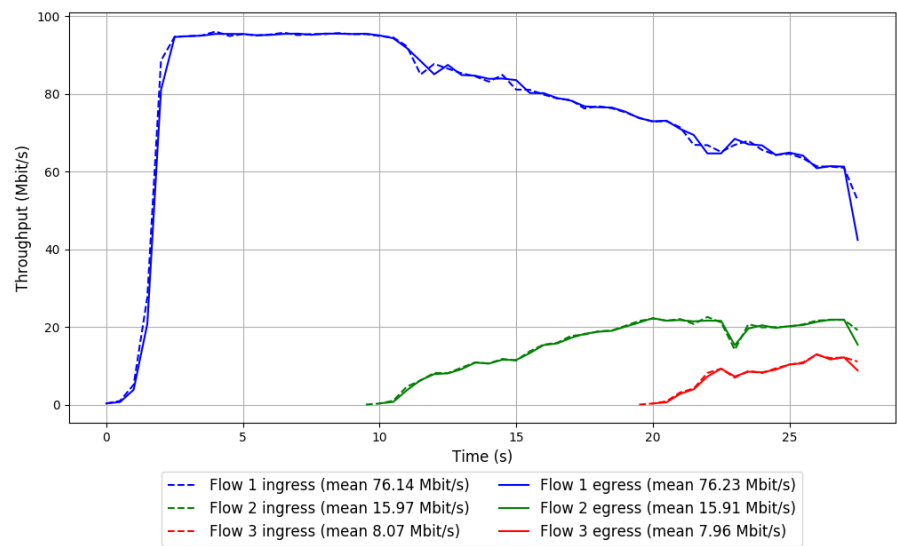


Run 2: Statistics of Copa

Start at: 2018-01-16 23:39:56
End at: 2018-01-16 23:40:26
Local clock offset: 0.393 ms
Remote clock offset: -4.971 ms

Below is generated by plot.py at 2018-01-17 07:00:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 95.633 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 76.23 Mbit/s
95th percentile per-packet one-way delay: 94.249 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 100.614 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 98.453 ms
Loss rate: 3.42%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-17 00:03:32

End at: 2018-01-17 00:04:02

Local clock offset: 0.363 ms

Remote clock offset: 0.947 ms

Below is generated by plot.py at 2018-01-17 07:00:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 92.349 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 79.50 Mbit/s

95th percentile per-packet one-way delay: 92.280 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 10.63 Mbit/s

95th percentile per-packet one-way delay: 92.448 ms

Loss rate: 1.19%

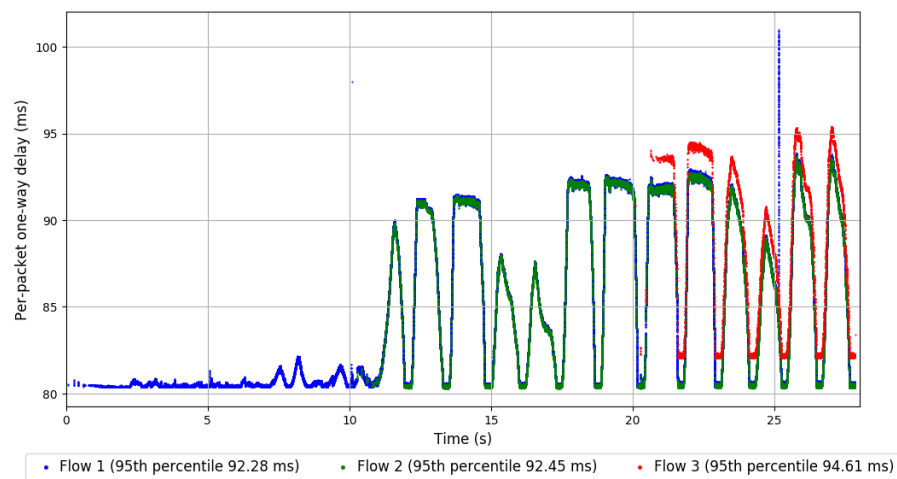
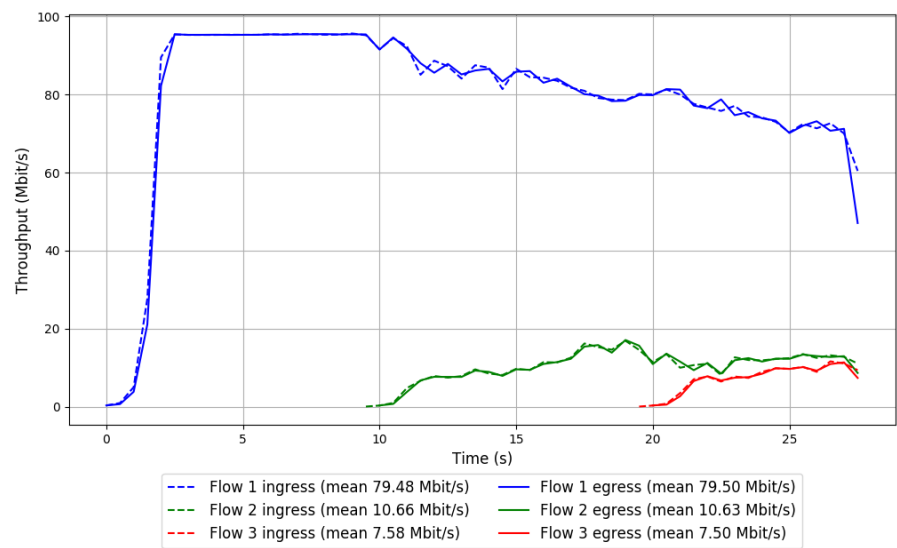
-- Flow 3:

Average throughput: 7.50 Mbit/s

95th percentile per-packet one-way delay: 94.611 ms

Loss rate: 3.23%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-17 00:27:12

End at: 2018-01-17 00:27:42

Local clock offset: 0.347 ms

Remote clock offset: 0.453 ms

Below is generated by plot.py at 2018-01-17 07:00:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.45 Mbit/s

95th percentile per-packet one-way delay: 94.147 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 75.05 Mbit/s

95th percentile per-packet one-way delay: 93.520 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 12.22 Mbit/s

95th percentile per-packet one-way delay: 97.784 ms

Loss rate: 0.85%

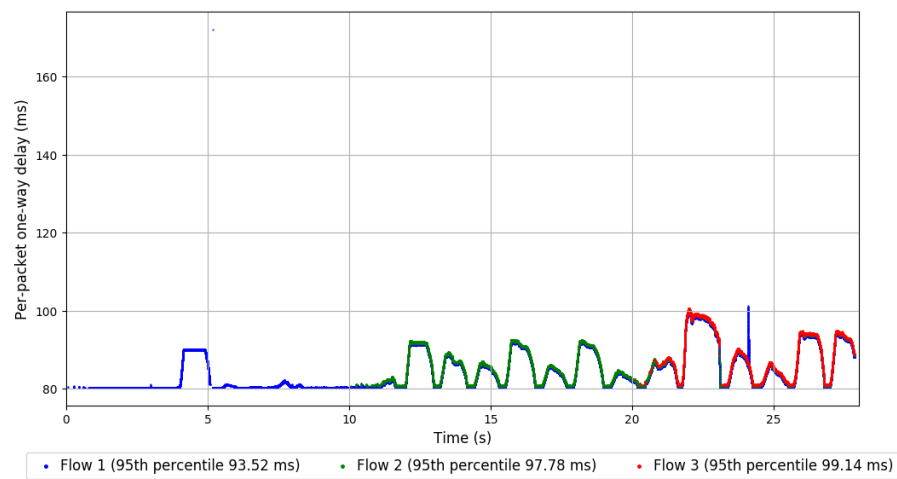
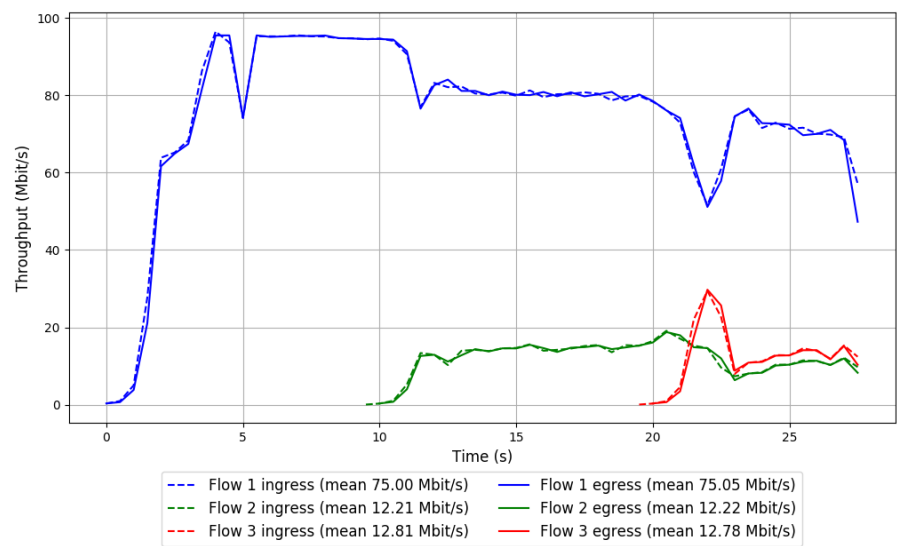
-- Flow 3:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 99.136 ms

Loss rate: 2.38%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-01-17 00:50:51

End at: 2018-01-17 00:51:21

Local clock offset: 0.375 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-01-17 07:00:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.30 Mbit/s

95th percentile per-packet one-way delay: 92.694 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 74.75 Mbit/s

95th percentile per-packet one-way delay: 92.690 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 15.11 Mbit/s

95th percentile per-packet one-way delay: 92.931 ms

Loss rate: 1.29%

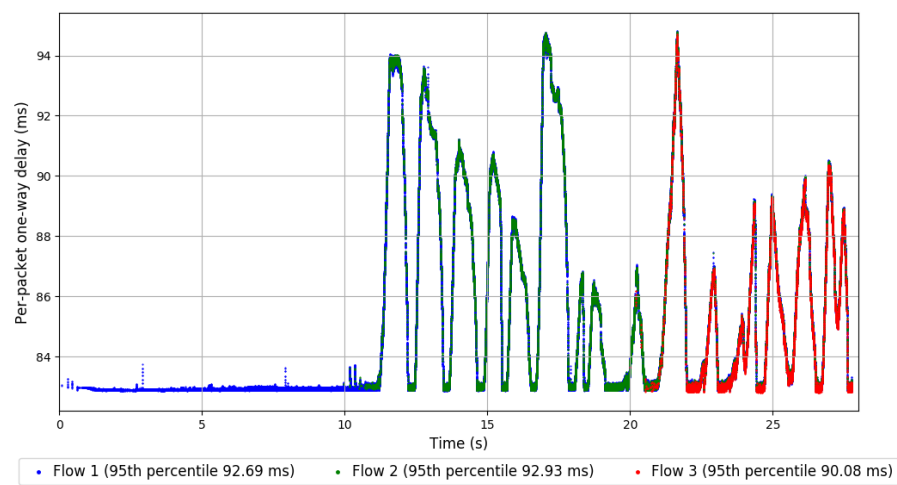
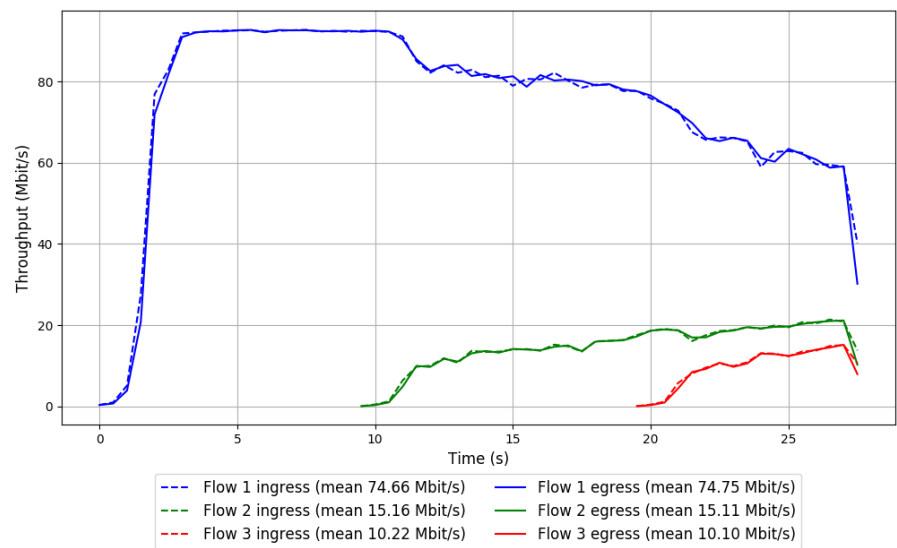
-- Flow 3:

Average throughput: 10.10 Mbit/s

95th percentile per-packet one-way delay: 90.077 ms

Loss rate: 3.29%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-17 01:14:30

End at: 2018-01-17 01:15:00

Local clock offset: 0.368 ms

Remote clock offset: 1.388 ms

Below is generated by plot.py at 2018-01-17 07:00:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.15 Mbit/s

95th percentile per-packet one-way delay: 90.408 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 63.98 Mbit/s

95th percentile per-packet one-way delay: 90.234 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 22.03 Mbit/s

95th percentile per-packet one-way delay: 91.162 ms

Loss rate: 1.05%

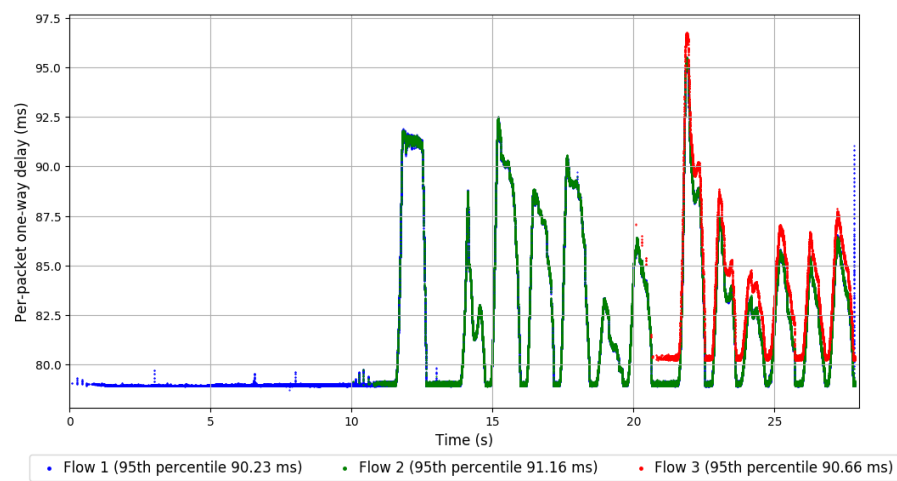
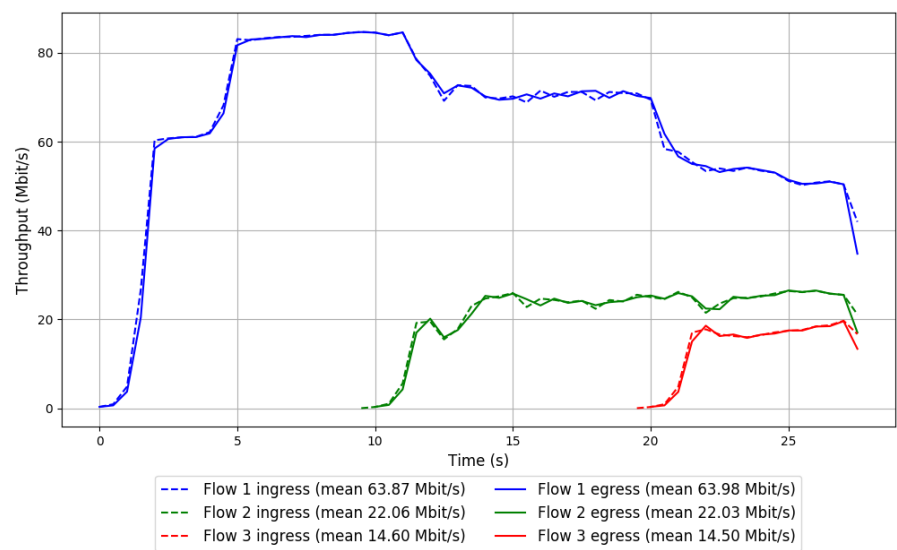
-- Flow 3:

Average throughput: 14.50 Mbit/s

95th percentile per-packet one-way delay: 90.664 ms

Loss rate: 2.87%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-01-17 01:38:16

End at: 2018-01-17 01:38:46

Local clock offset: 0.505 ms

Remote clock offset: 0.704 ms

Below is generated by plot.py at 2018-01-17 07:00:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 87.004 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 67.04 Mbit/s

95th percentile per-packet one-way delay: 86.095 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 23.50 Mbit/s

95th percentile per-packet one-way delay: 88.899 ms

Loss rate: 1.23%

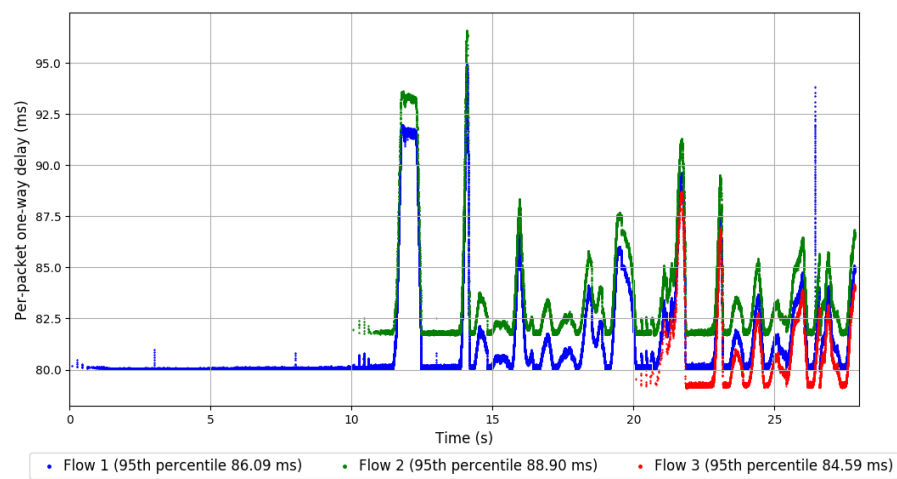
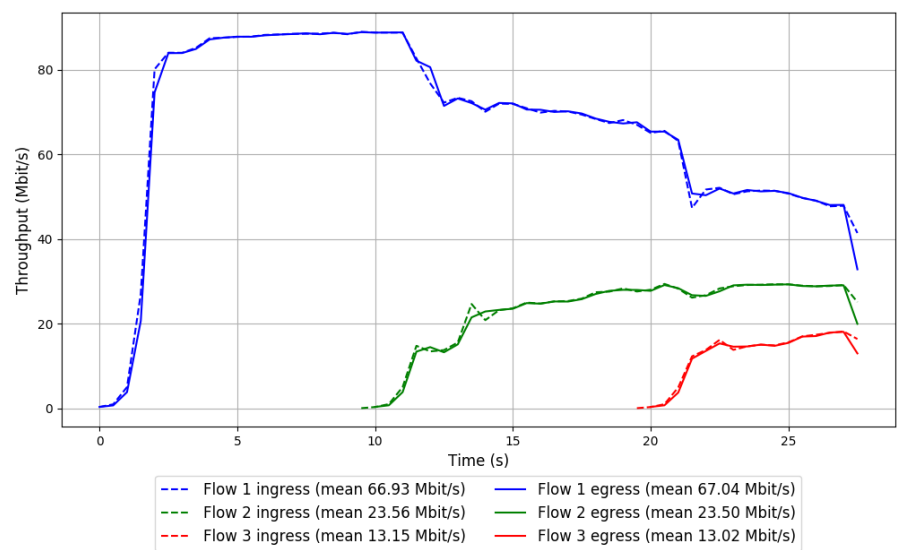
-- Flow 3:

Average throughput: 13.02 Mbit/s

95th percentile per-packet one-way delay: 84.595 ms

Loss rate: 3.04%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-01-17 02:02:03

End at: 2018-01-17 02:02:33

Local clock offset: 0.711 ms

Remote clock offset: 1.583 ms

Below is generated by plot.py at 2018-01-17 07:00:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.63 Mbit/s

95th percentile per-packet one-way delay: 91.245 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 72.04 Mbit/s

95th percentile per-packet one-way delay: 88.569 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 20.61 Mbit/s

95th percentile per-packet one-way delay: 94.604 ms

Loss rate: 1.00%

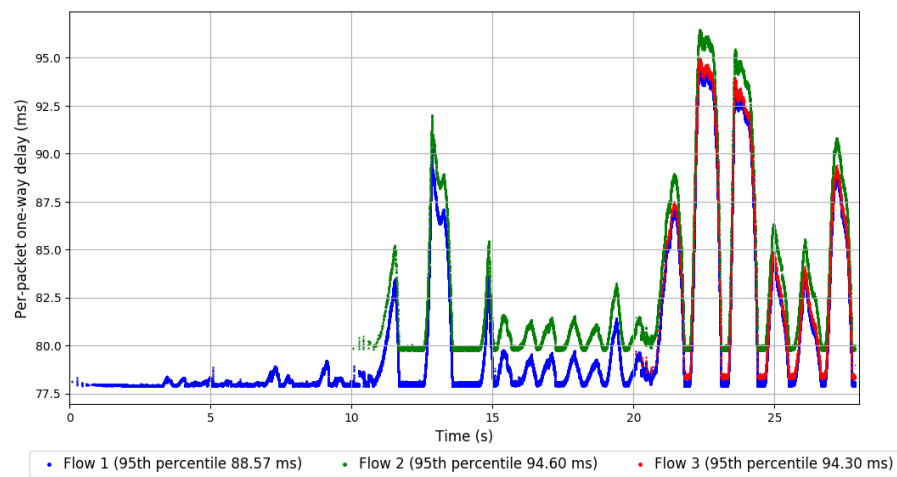
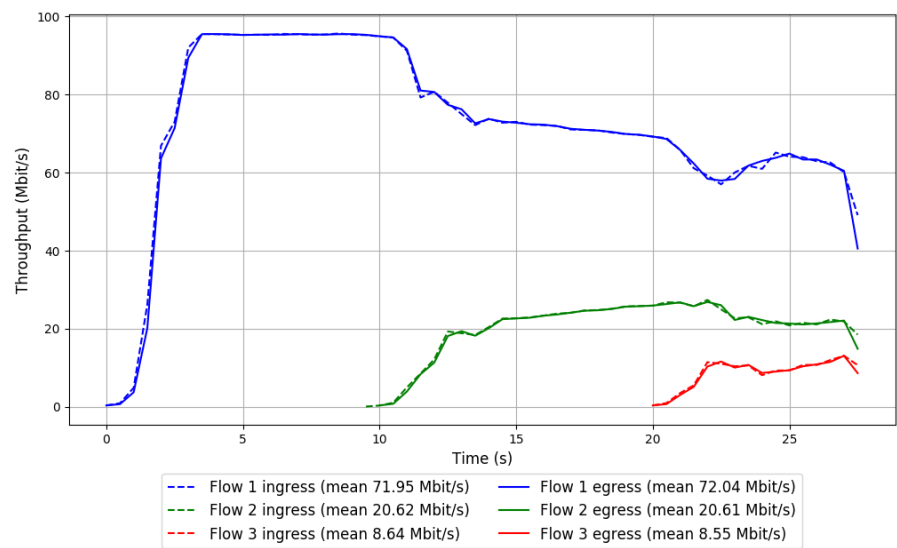
-- Flow 3:

Average throughput: 8.55 Mbit/s

95th percentile per-packet one-way delay: 94.298 ms

Loss rate: 3.12%

Run 8: Report of Copa — Data Link

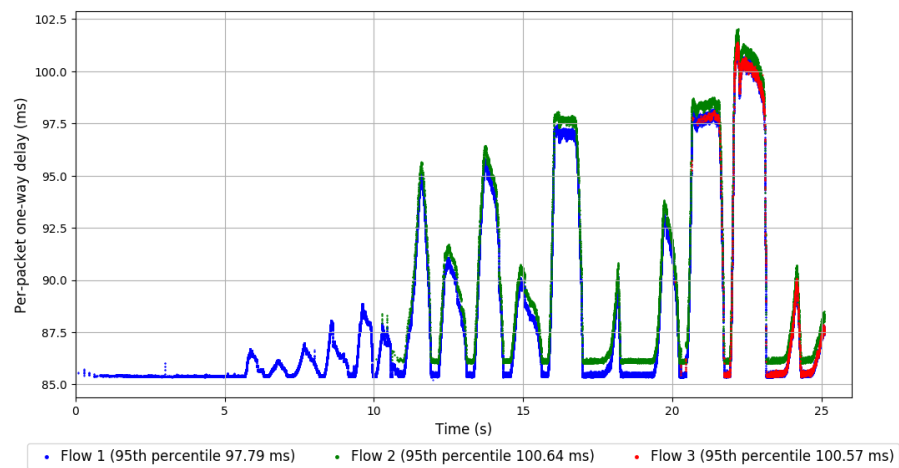
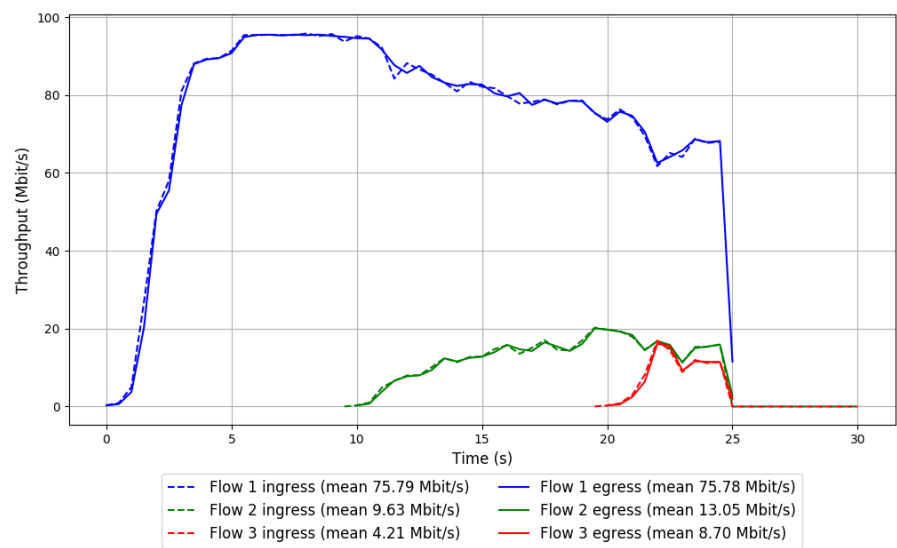


Run 9: Statistics of Copa

Start at: 2018-01-17 02:25:38
End at: 2018-01-17 02:26:08
Local clock offset: 0.902 ms
Remote clock offset: -4.942 ms

Below is generated by plot.py at 2018-01-17 07:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 98.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 97.788 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 100.645 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 100.572 ms
Loss rate: 0.03%

Run 9: Report of Copa — Data Link

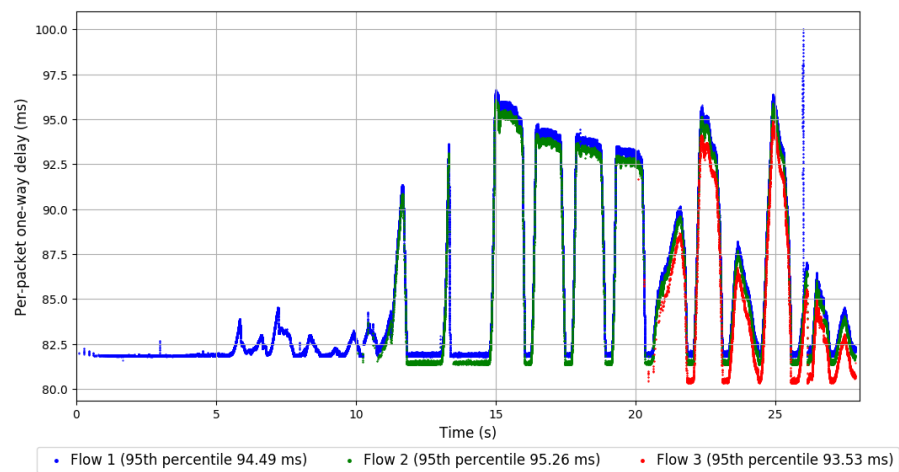
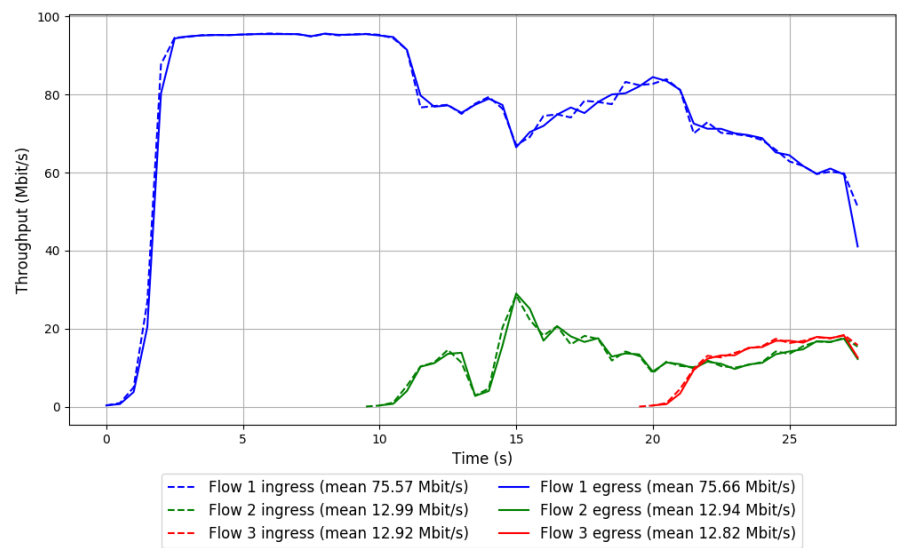


Run 10: Statistics of Copa

Start at: 2018-01-17 02:49:17
End at: 2018-01-17 02:49:47
Local clock offset: 1.004 ms
Remote clock offset: -0.938 ms

Below is generated by plot.py at 2018-01-17 07:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 94.703 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 75.66 Mbit/s
95th percentile per-packet one-way delay: 94.491 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 95.261 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 93.530 ms
Loss rate: 3.02%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-01-16 23:00:17

End at: 2018-01-16 23:00:47

Local clock offset: 0.531 ms

Remote clock offset: -6.532 ms

Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-01-16 23:23:54

End at: 2018-01-16 23:24:24

Local clock offset: 0.447 ms

Remote clock offset: -6.929 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-01-16 23:47:37

End at: 2018-01-16 23:48:07

Local clock offset: 0.396 ms

Remote clock offset: -0.572 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-01-17 00:11:13

End at: 2018-01-17 00:11:43

Local clock offset: 0.363 ms

Remote clock offset: -4.372 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-01-17 00:34:52

End at: 2018-01-17 00:35:22

Local clock offset: 0.299 ms

Remote clock offset: -0.244 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-01-17 00:58:30

End at: 2018-01-17 00:59:00

Local clock offset: 0.375 ms

Remote clock offset: 0.139 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-01-17 01:22:10

End at: 2018-01-17 01:22:40

Local clock offset: 0.446 ms

Remote clock offset: -4.4 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2018-01-17 01:45:58

End at: 2018-01-17 01:46:28

Local clock offset: 0.582 ms

Remote clock offset: -0.151 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-01-17 02:09:43

End at: 2018-01-17 02:10:13

Local clock offset: 0.777 ms

Remote clock offset: -4.63 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-01-17 02:33:20

End at: 2018-01-17 02:33:50

Local clock offset: 0.996 ms

Remote clock offset: -0.314 ms

Run 10: Report of FillP — Data Link

Figure is missing

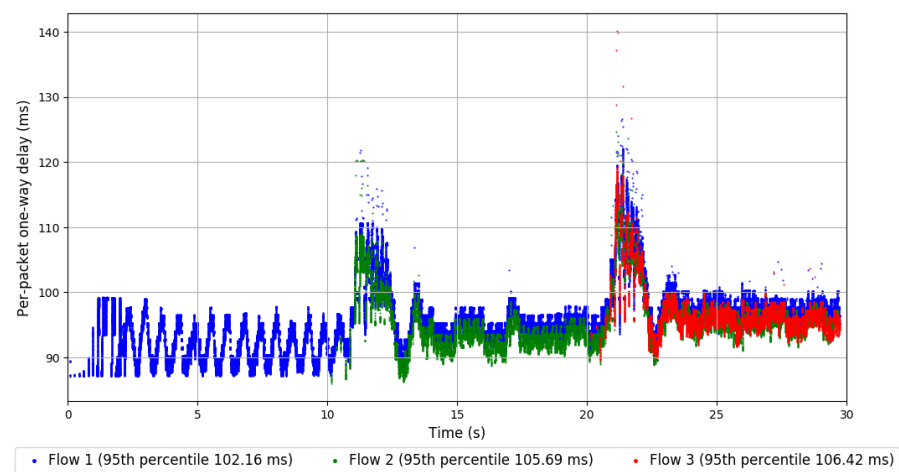
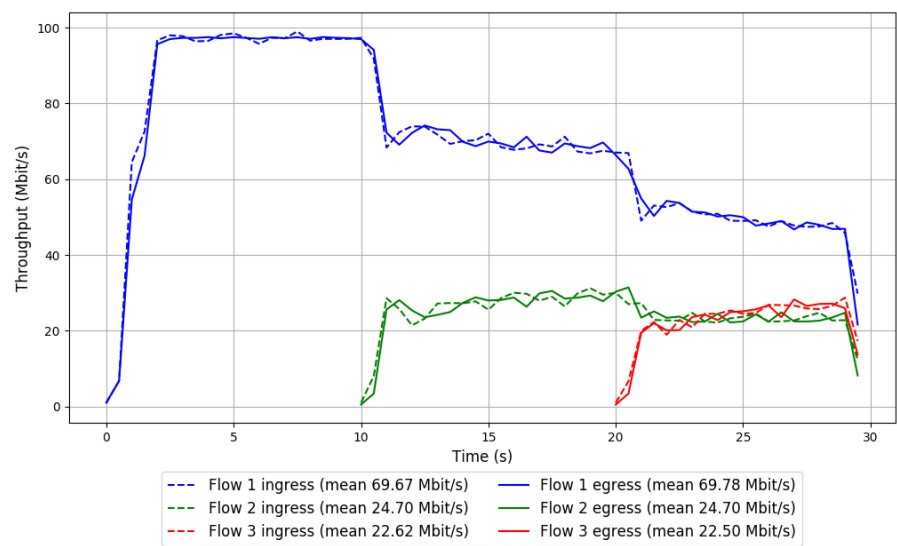
Figure is missing

```
Run 1: Statistics of Indigo

Start at: 2018-01-16 22:56:29
End at: 2018-01-16 22:56:59
Local clock offset: 0.522 ms
Remote clock offset: -6.641 ms

# Below is generated by plot.py at 2018-01-17 07:02:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 103.962 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 102.155 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 105.686 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 22.50 Mbit/s
95th percentile per-packet one-way delay: 106.416 ms
Loss rate: 2.18%
```

Run 1: Report of Indigo — Data Link

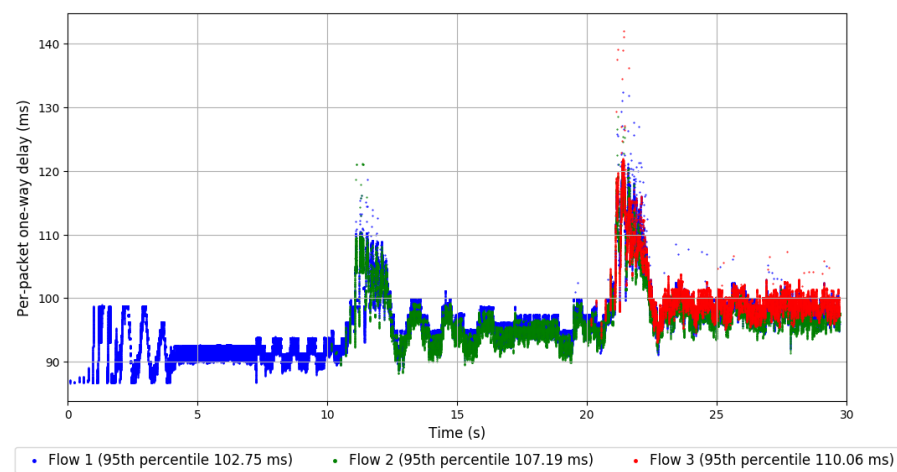
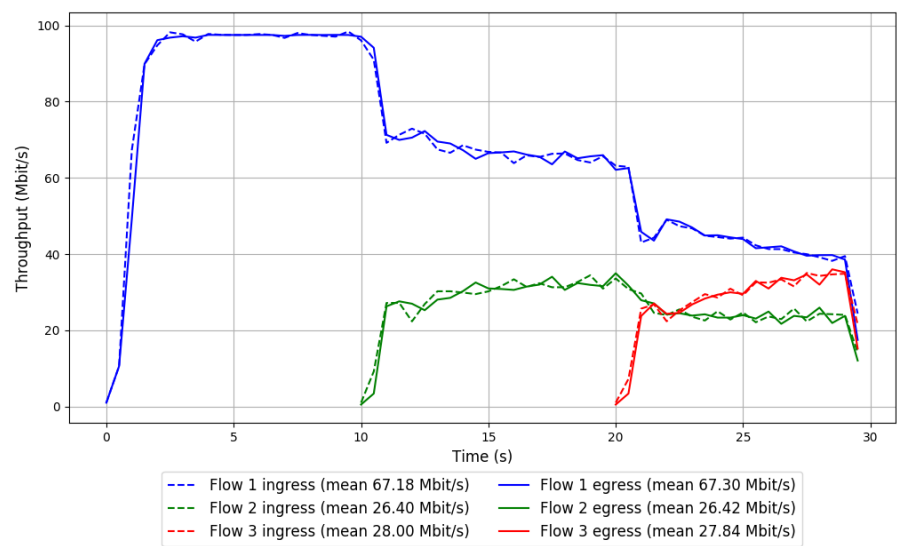


Run 2: Statistics of Indigo

Start at: 2018-01-16 23:20:06
End at: 2018-01-16 23:20:36
Local clock offset: 0.459 ms
Remote clock offset: -7.052 ms

Below is generated by plot.py at 2018-01-17 07:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 104.997 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 102.751 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 26.42 Mbit/s
95th percentile per-packet one-way delay: 107.187 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 110.062 ms
Loss rate: 2.34%

Run 2: Report of Indigo — Data Link

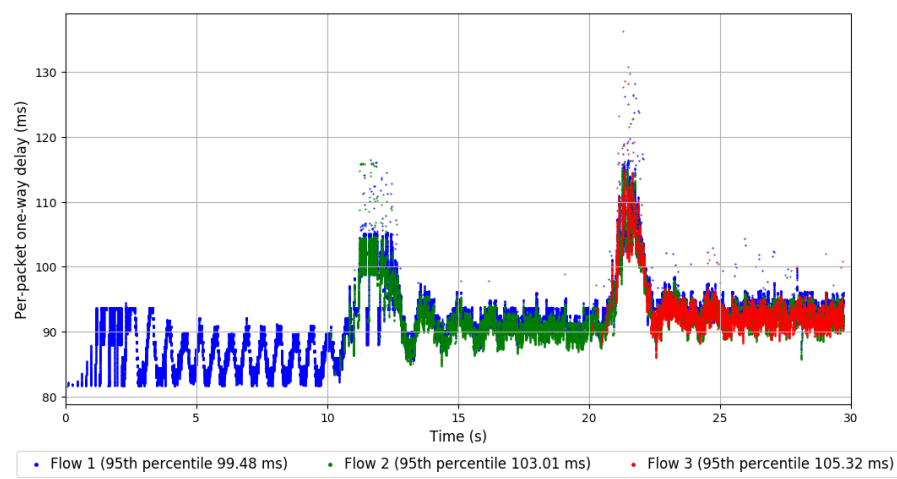
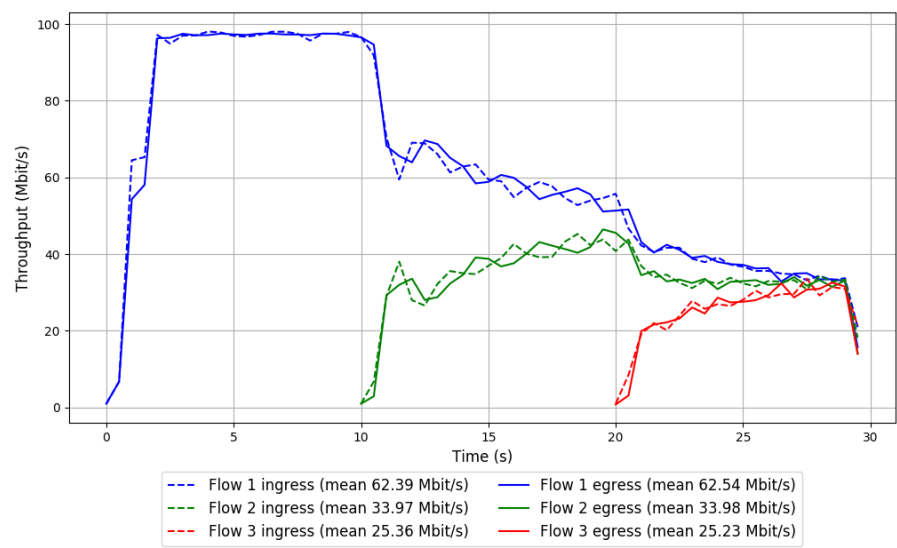


Run 3: Statistics of Indigo

Start at: 2018-01-16 23:43:49
End at: 2018-01-16 23:44:19
Local clock offset: 0.352 ms
Remote clock offset: -0.731 ms

Below is generated by plot.py at 2018-01-17 07:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 100.948 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 62.54 Mbit/s
95th percentile per-packet one-way delay: 99.483 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 103.010 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 25.23 Mbit/s
95th percentile per-packet one-way delay: 105.317 ms
Loss rate: 2.33%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-01-17 00:07:25

End at: 2018-01-17 00:07:55

Local clock offset: 0.377 ms

Remote clock offset: 2.157 ms

Below is generated by plot.py at 2018-01-17 07:02:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.57 Mbit/s

95th percentile per-packet one-way delay: 100.815 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 66.63 Mbit/s

95th percentile per-packet one-way delay: 97.417 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 102.837 ms

Loss rate: 0.65%

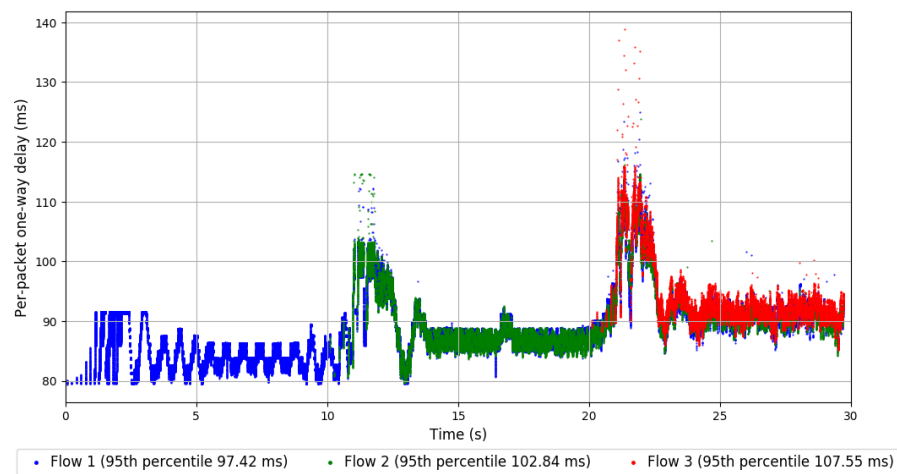
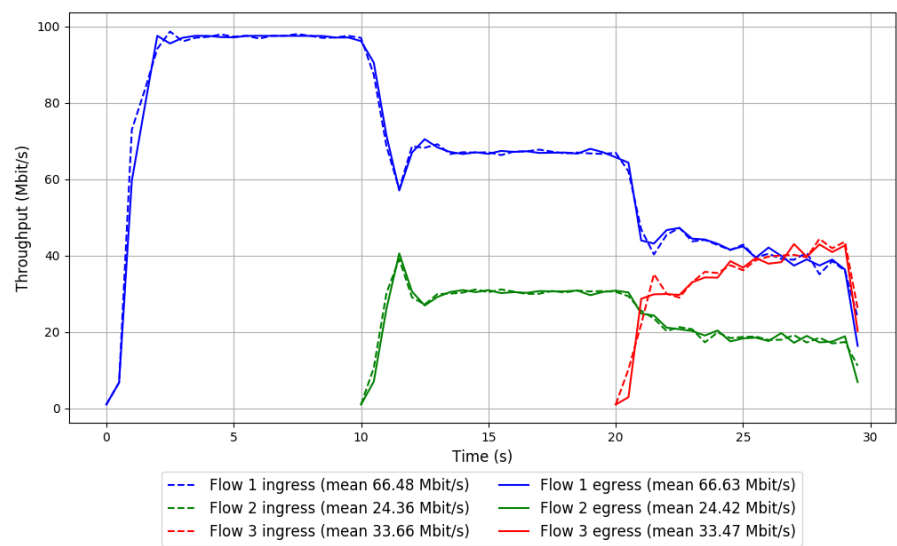
-- Flow 3:

Average throughput: 33.47 Mbit/s

95th percentile per-packet one-way delay: 107.552 ms

Loss rate: 2.36%

Run 4: Report of Indigo — Data Link

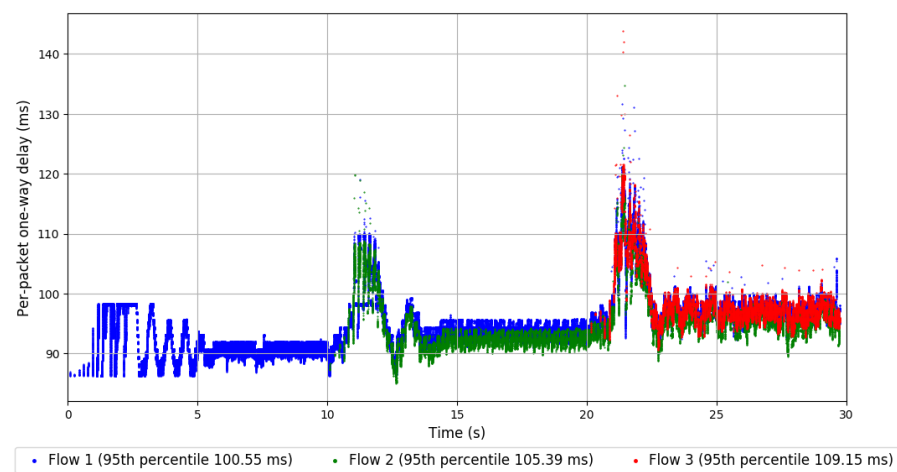
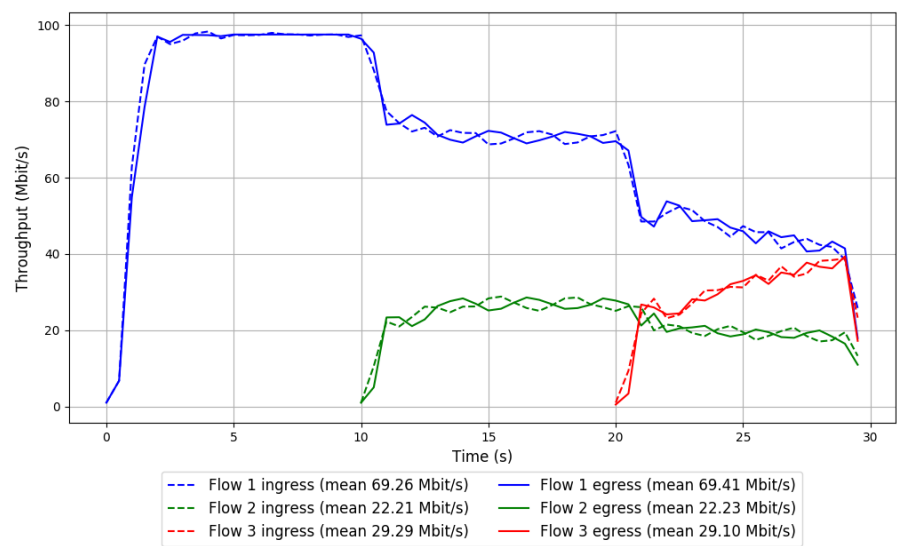


Run 5: Statistics of Indigo

Start at: 2018-01-17 00:31:04
End at: 2018-01-17 00:31:34
Local clock offset: 0.357 ms
Remote clock offset: -3.902 ms

Below is generated by plot.py at 2018-01-17 07:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 103.842 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 100.546 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 105.386 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 109.154 ms
Loss rate: 2.41%

Run 5: Report of Indigo — Data Link

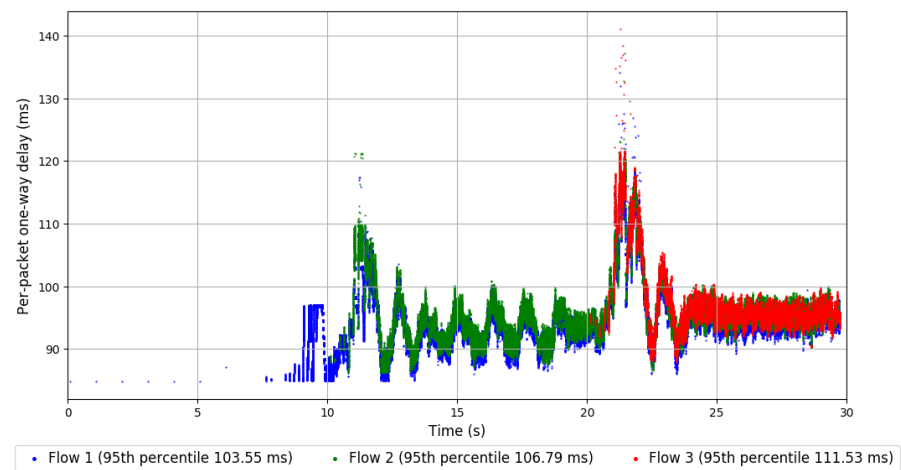
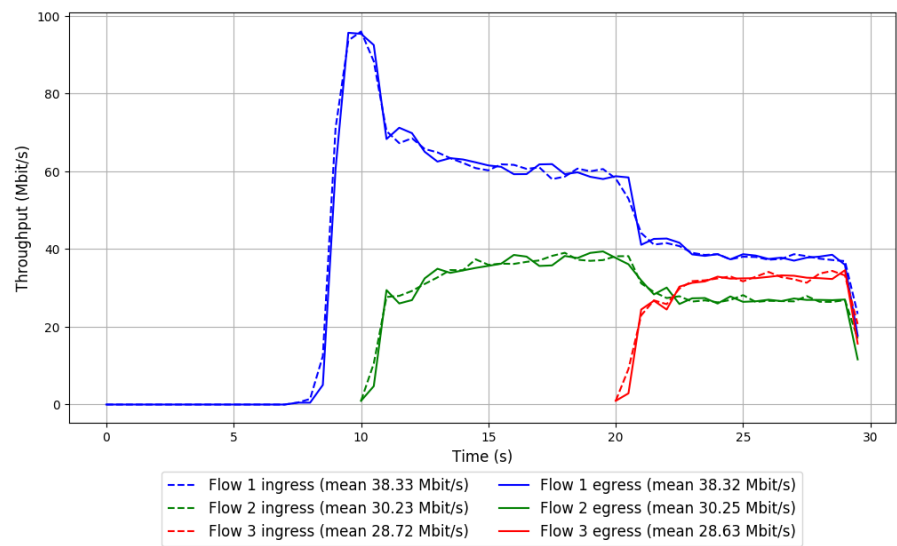


Run 6: Statistics of Indigo

Start at: 2018-01-17 00:54:44
End at: 2018-01-17 00:55:14
Local clock offset: 0.29 ms
Remote clock offset: -3.551 ms

Below is generated by plot.py at 2018-01-17 07:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.59 Mbit/s
95th percentile per-packet one-way delay: 105.680 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 38.32 Mbit/s
95th percentile per-packet one-way delay: 103.550 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 106.792 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 111.534 ms
Loss rate: 2.09%

Run 6: Report of Indigo — Data Link

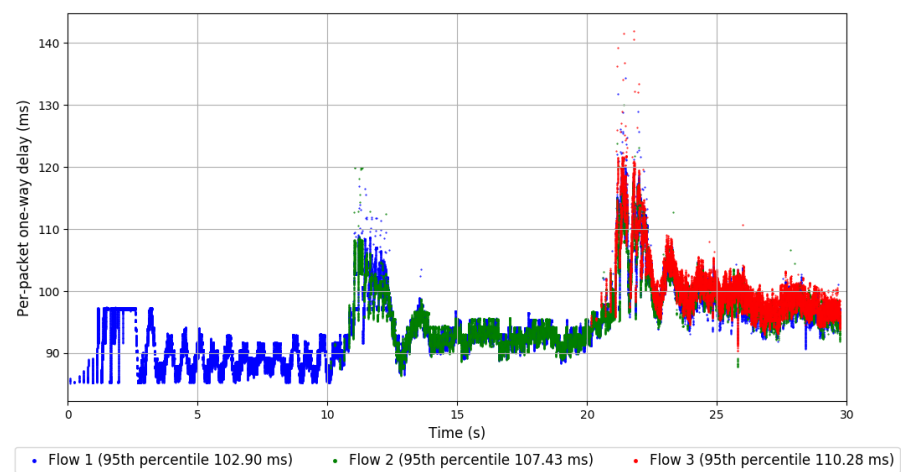
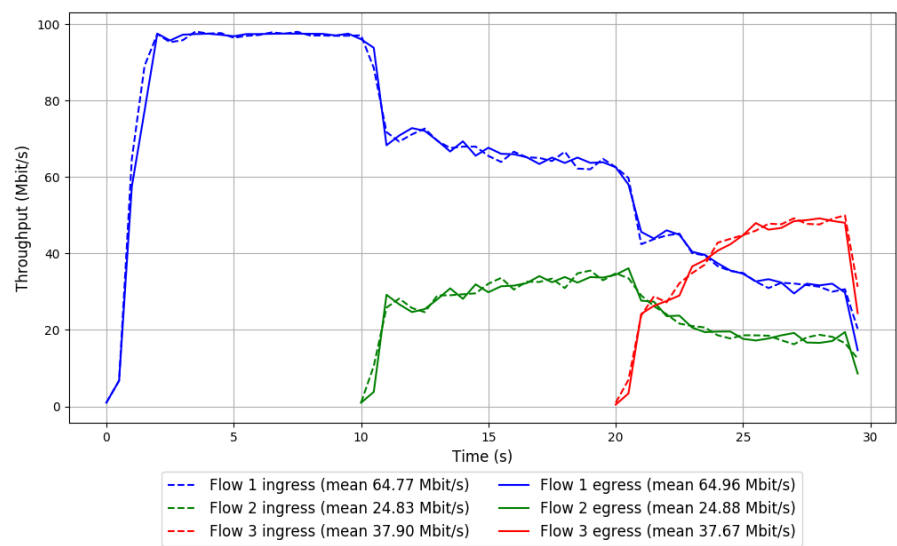


Run 7: Statistics of Indigo

Start at: 2018-01-17 01:18:22
End at: 2018-01-17 01:18:52
Local clock offset: 0.461 ms
Remote clock offset: -3.611 ms

Below is generated by plot.py at 2018-01-17 07:02:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 104.384 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 64.96 Mbit/s
95th percentile per-packet one-way delay: 102.904 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 107.432 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 110.280 ms
Loss rate: 2.38%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-01-17 01:42:09

End at: 2018-01-17 01:42:39

Local clock offset: 0.581 ms

Remote clock offset: 0.794 ms

Below is generated by plot.py at 2018-01-17 07:03:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 99.843 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 97.702 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 26.16 Mbit/s

95th percentile per-packet one-way delay: 103.399 ms

Loss rate: 0.73%

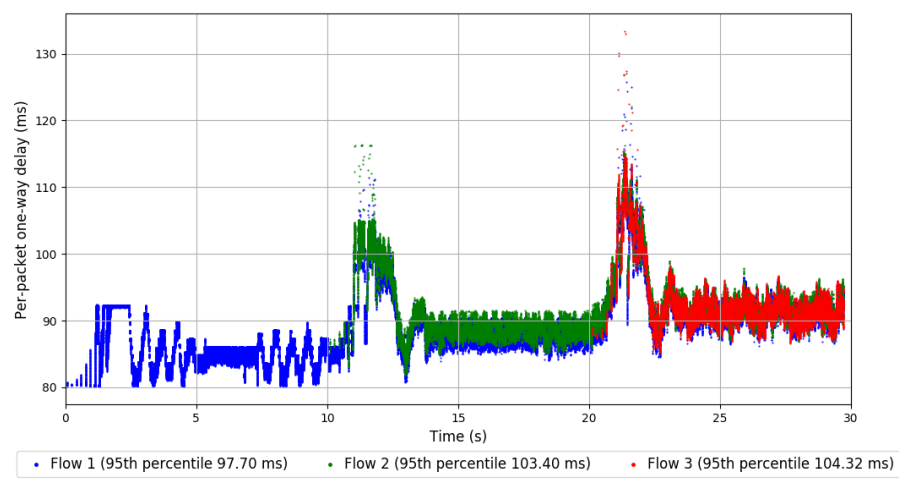
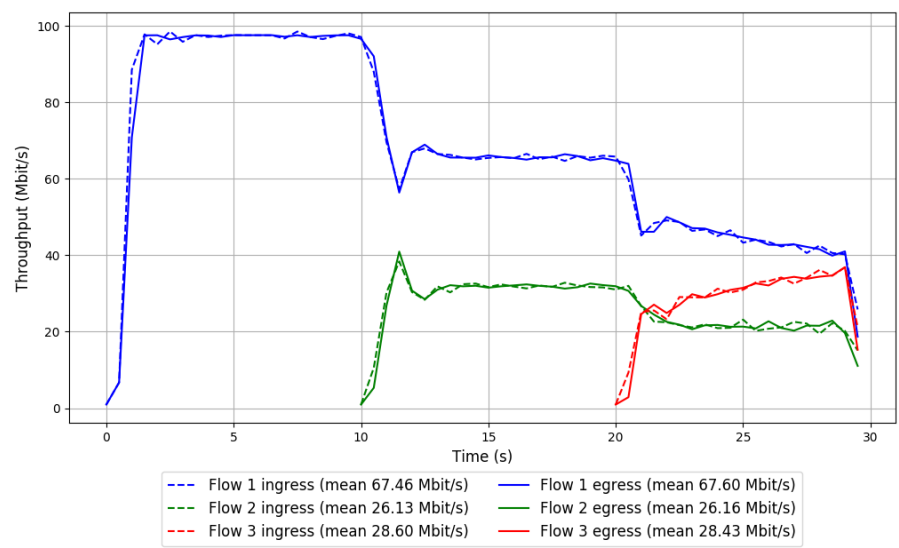
-- Flow 3:

Average throughput: 28.43 Mbit/s

95th percentile per-packet one-way delay: 104.323 ms

Loss rate: 2.35%

Run 8: Report of Indigo — Data Link

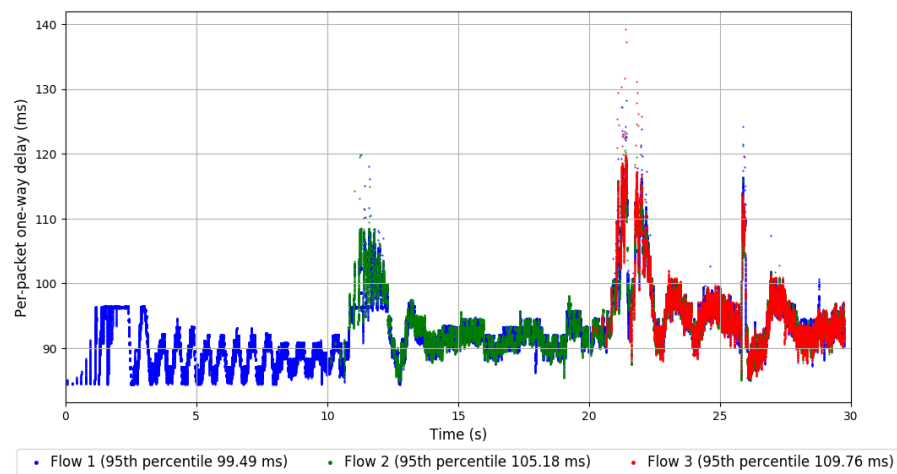
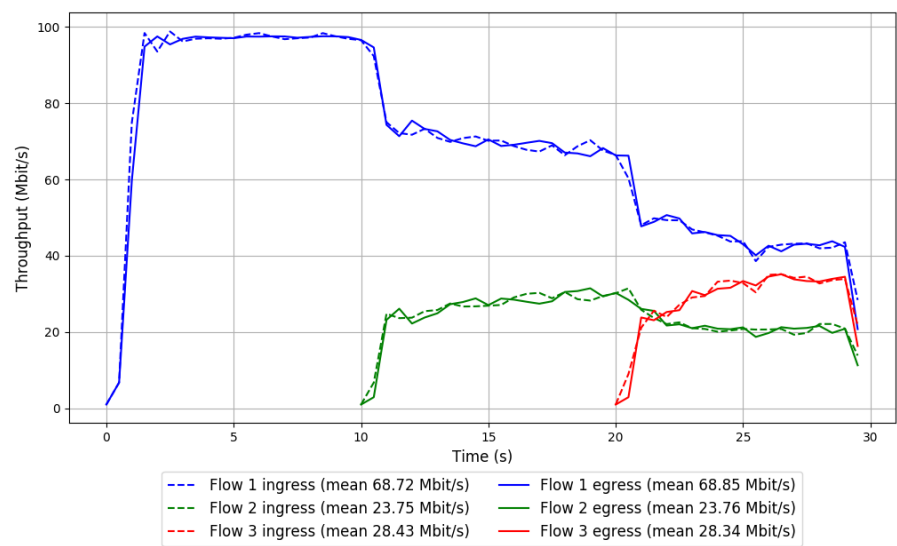


Run 9: Statistics of Indigo

Start at: 2018-01-17 02:05:55
End at: 2018-01-17 02:06:25
Local clock offset: 0.761 ms
Remote clock offset: -4.583 ms

Below is generated by plot.py at 2018-01-17 07:03:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 102.161 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 99.492 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 105.181 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 28.34 Mbit/s
95th percentile per-packet one-way delay: 109.757 ms
Loss rate: 2.09%

Run 9: Report of Indigo — Data Link

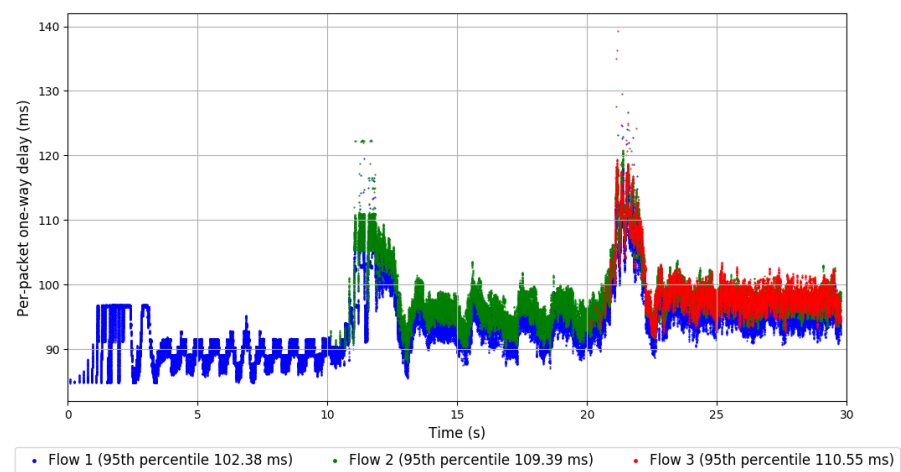
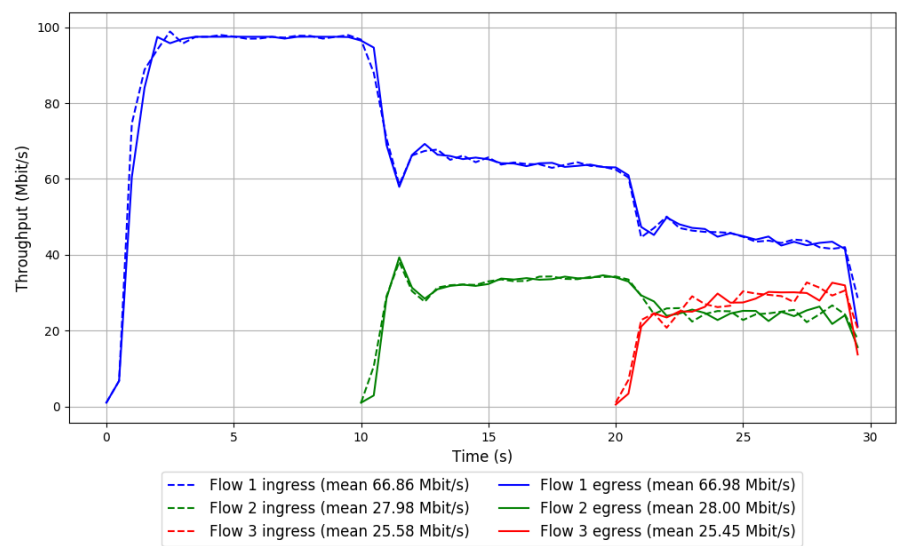


Run 10: Statistics of Indigo

Start at: 2018-01-17 02:29:32
End at: 2018-01-17 02:30:02
Local clock offset: 0.876 ms
Remote clock offset: -5.882 ms

Below is generated by plot.py at 2018-01-17 07:03:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 105.223 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 66.98 Mbit/s
95th percentile per-packet one-way delay: 102.375 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 109.389 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 110.554 ms
Loss rate: 2.30%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 23:08:19

End at: 2018-01-16 23:08:49

Local clock offset: 0.513 ms

Remote clock offset: -7.32 ms

Below is generated by plot.py at 2018-01-17 07:04:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 113.114 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 61.41 Mbit/s

95th percentile per-packet one-way delay: 110.968 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 14.33 Mbit/s

95th percentile per-packet one-way delay: 114.469 ms

Loss rate: 2.27%

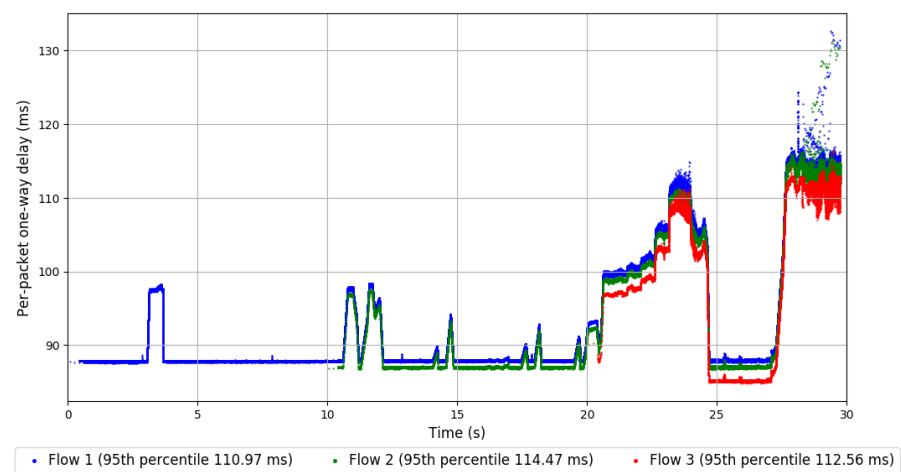
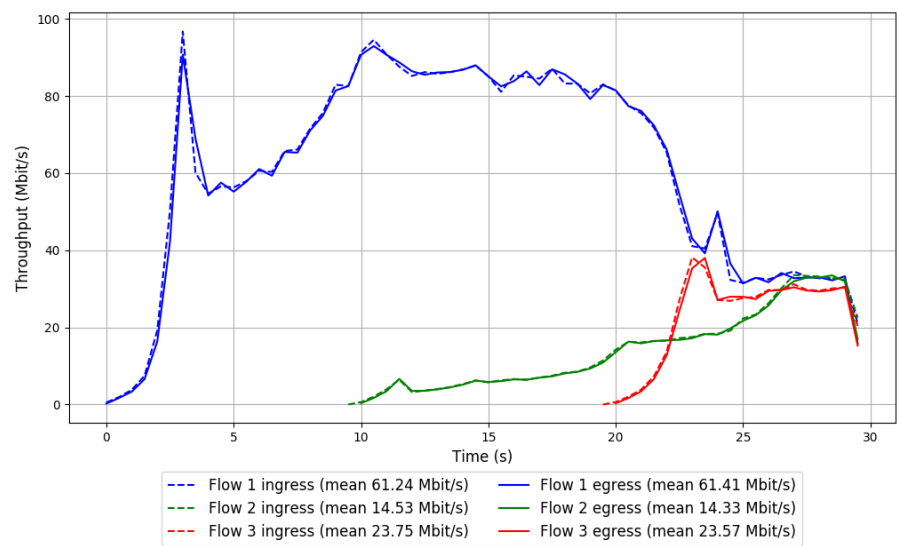
-- Flow 3:

Average throughput: 23.57 Mbit/s

95th percentile per-packet one-way delay: 112.556 ms

Loss rate: 2.51%

Run 1: Report of Vivace-latency — Data Link

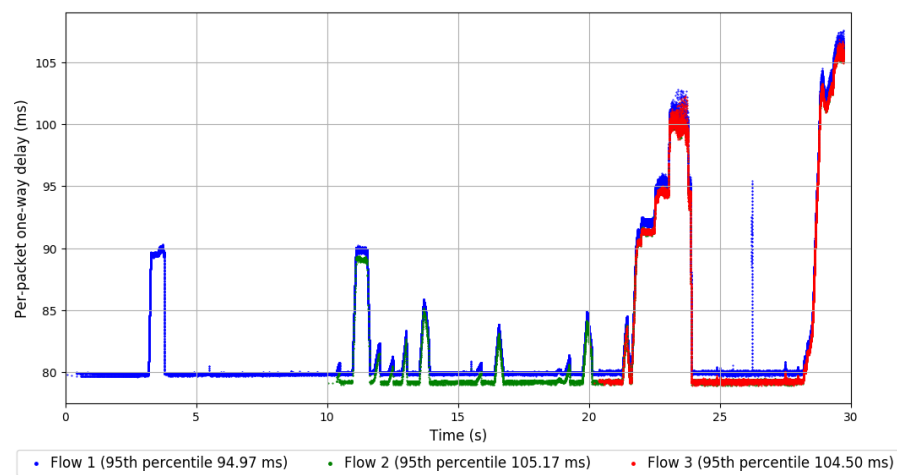
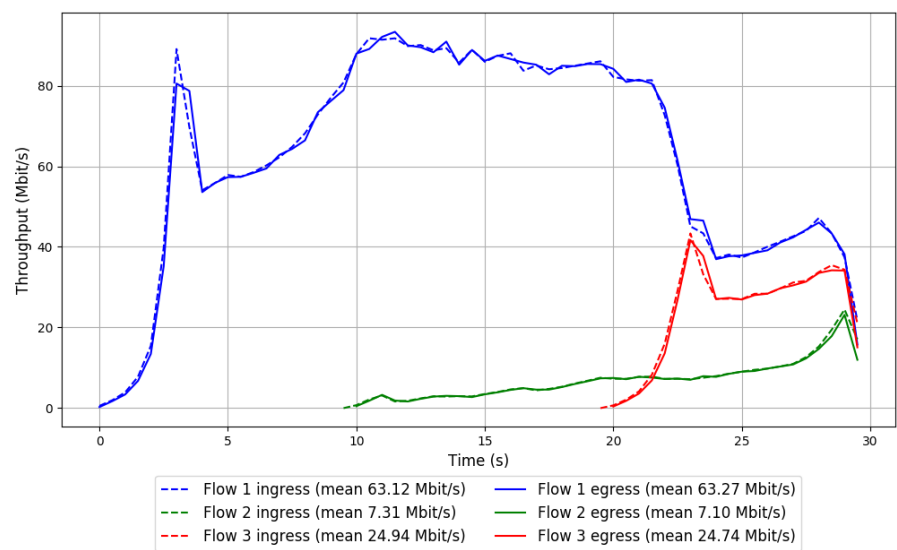


Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 23:31:59
End at: 2018-01-16 23:32:29
Local clock offset: 0.415 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2018-01-17 07:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 100.290 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 63.27 Mbit/s
95th percentile per-packet one-way delay: 94.971 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 105.174 ms
Loss rate: 3.70%
-- Flow 3:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 104.496 ms
Loss rate: 2.65%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-16 23:55:39

End at: 2018-01-16 23:56:09

Local clock offset: 0.382 ms

Remote clock offset: 0.741 ms

Below is generated by plot.py at 2018-01-17 07:04:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.80 Mbit/s

95th percentile per-packet one-way delay: 98.775 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 60.32 Mbit/s

95th percentile per-packet one-way delay: 95.208 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 12.38 Mbit/s

95th percentile per-packet one-way delay: 102.686 ms

Loss rate: 1.58%

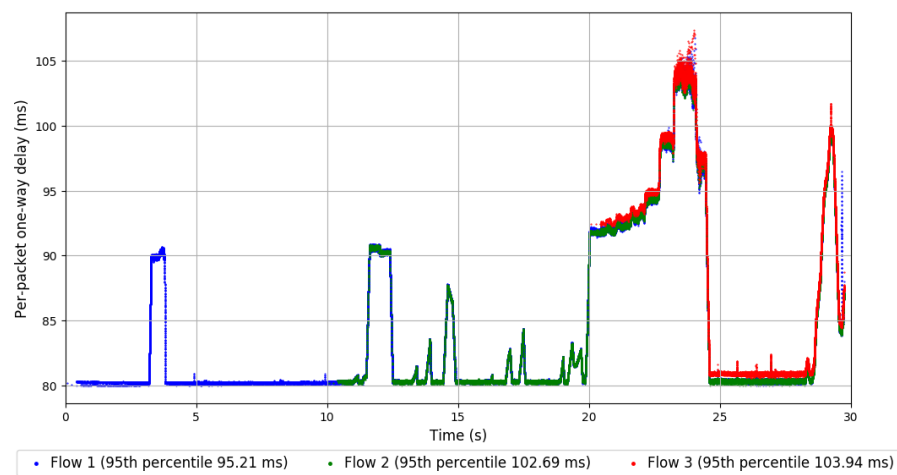
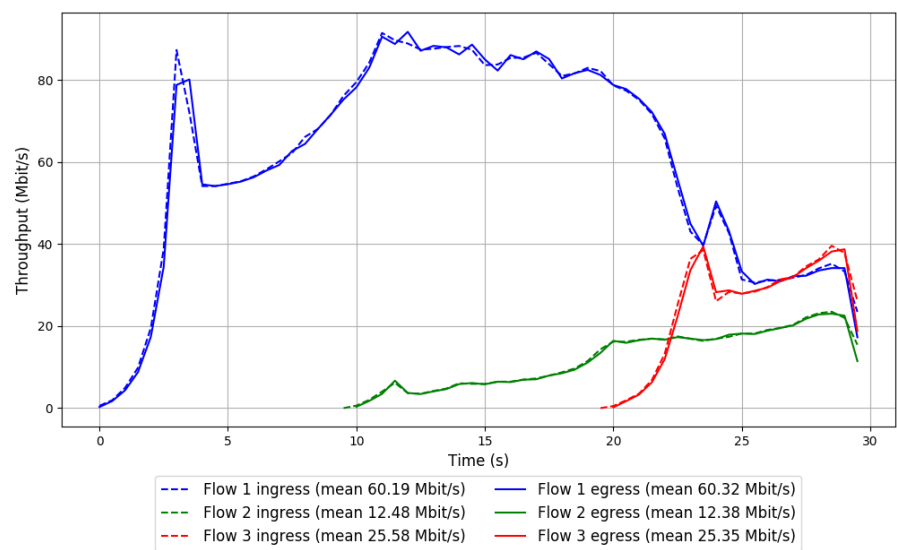
-- Flow 3:

Average throughput: 25.35 Mbit/s

95th percentile per-packet one-way delay: 103.935 ms

Loss rate: 2.73%

Run 3: Report of Vivace-latency — Data Link

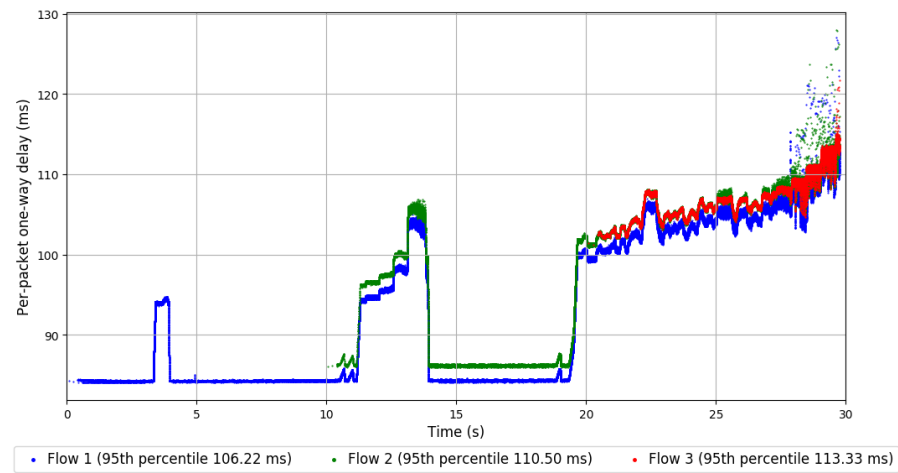
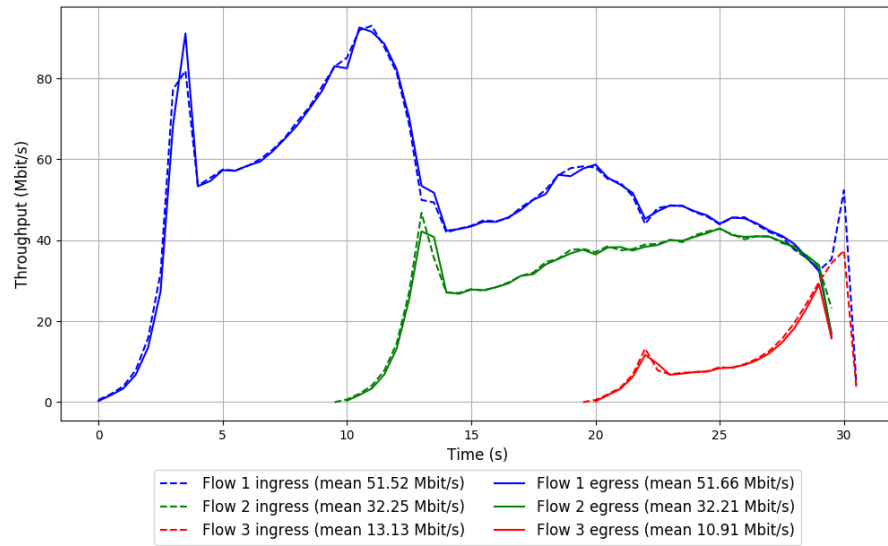


Run 4: Statistics of Vivace-latency

Start at: 2018-01-17 00:19:14
End at: 2018-01-17 00:19:44
Local clock offset: 0.29 ms
Remote clock offset: -4.545 ms

Below is generated by plot.py at 2018-01-17 07:04:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 109.171 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 51.66 Mbit/s
95th percentile per-packet one-way delay: 106.225 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 110.496 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 113.335 ms
Loss rate: 23.92%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-17 00:42:54

End at: 2018-01-17 00:43:24

Local clock offset: 0.366 ms

Remote clock offset: 1.102 ms

Below is generated by plot.py at 2018-01-17 07:05:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.90 Mbit/s

95th percentile per-packet one-way delay: 102.370 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 66.40 Mbit/s

95th percentile per-packet one-way delay: 95.956 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 11.25 Mbit/s

95th percentile per-packet one-way delay: 104.069 ms

Loss rate: 1.60%

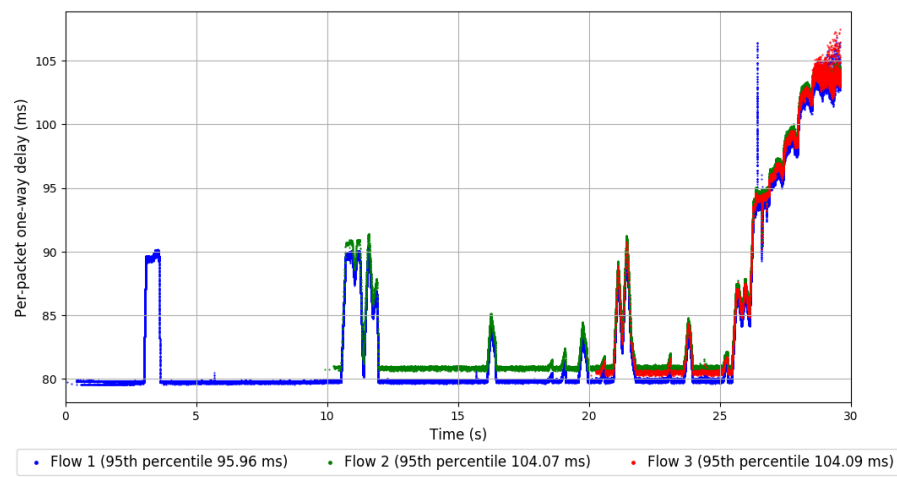
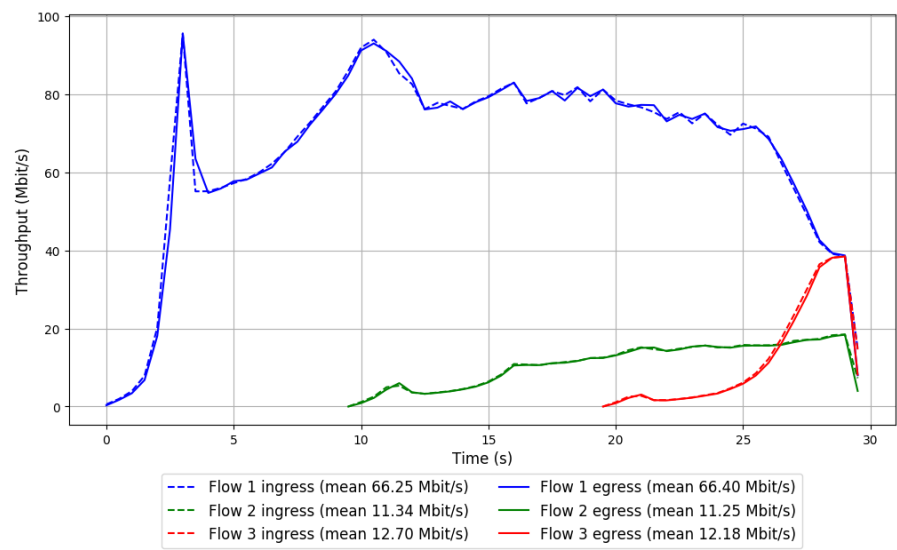
-- Flow 3:

Average throughput: 12.18 Mbit/s

95th percentile per-packet one-way delay: 104.095 ms

Loss rate: 5.77%

Run 5: Report of Vivace-latency — Data Link

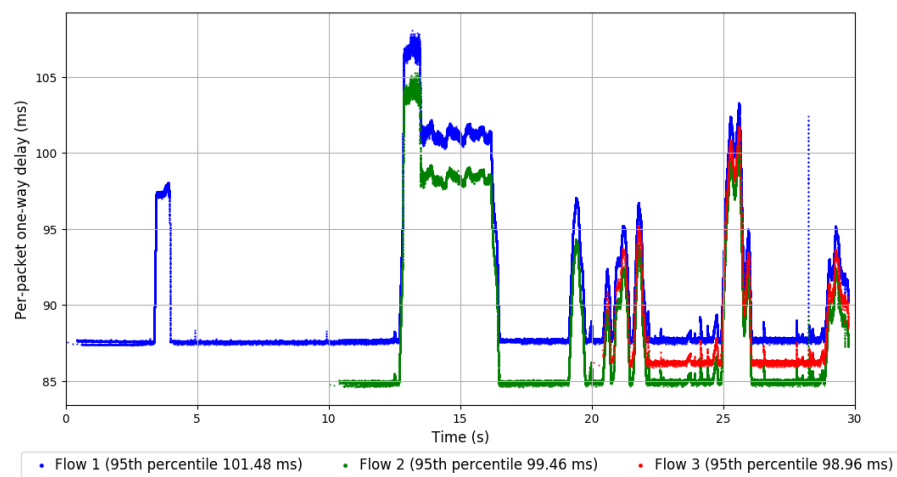
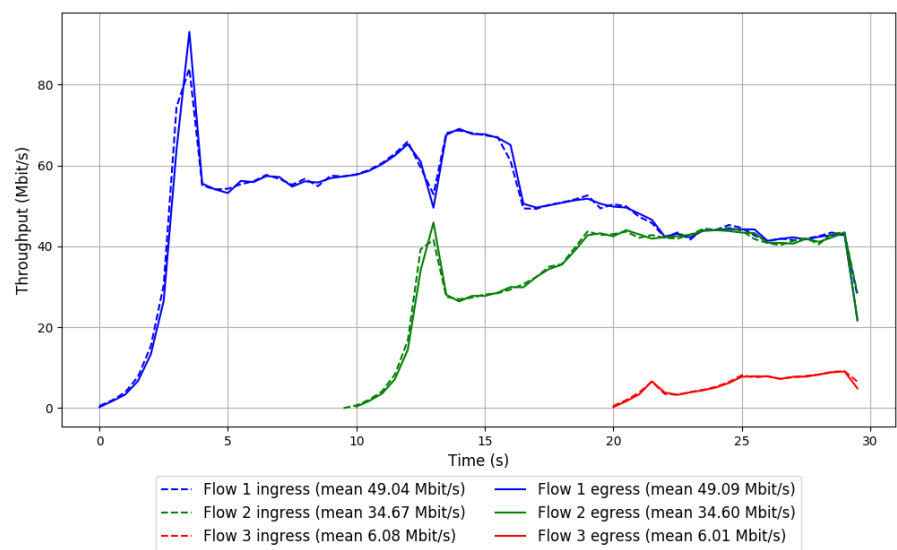


Run 6: Statistics of Vivace-latency

Start at: 2018-01-17 01:06:30
End at: 2018-01-17 01:07:00
Local clock offset: 0.347 ms
Remote clock offset: -4.297 ms

Below is generated by plot.py at 2018-01-17 07:05:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 101.445 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 49.09 Mbit/s
95th percentile per-packet one-way delay: 101.485 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 99.464 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 6.01 Mbit/s
95th percentile per-packet one-way delay: 98.962 ms
Loss rate: 2.76%

Run 6: Report of Vivace-latency — Data Link

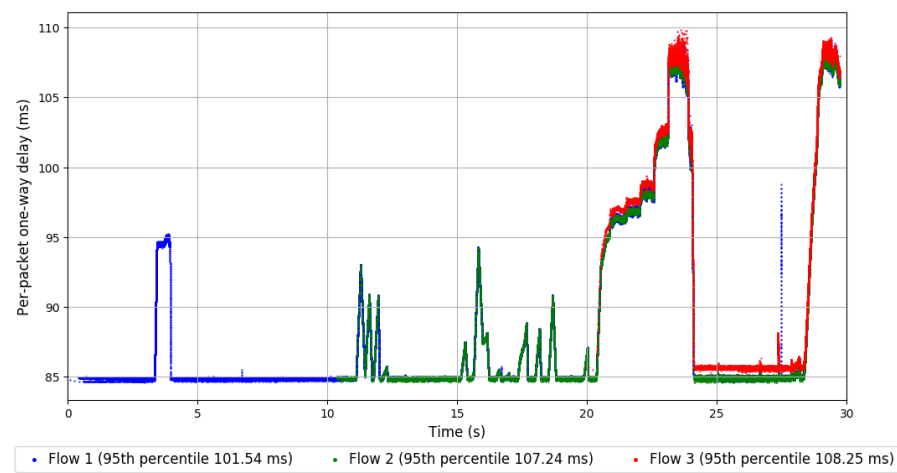
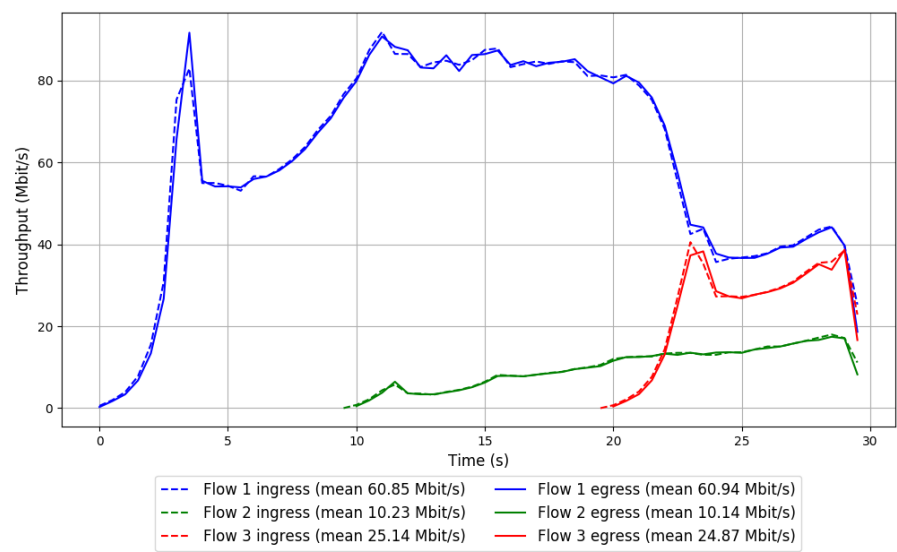


Run 7: Statistics of Vivace-latency

Start at: 2018-01-17 01:30:16
End at: 2018-01-17 01:30:46
Local clock offset: 0.5 ms
Remote clock offset: -4.794 ms

Below is generated by plot.py at 2018-01-17 07:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.80 Mbit/s
95th percentile per-packet one-way delay: 106.968 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 60.94 Mbit/s
95th percentile per-packet one-way delay: 101.538 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 107.240 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 108.246 ms
Loss rate: 2.87%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-01-17 01:54:02

End at: 2018-01-17 01:54:32

Local clock offset: 0.605 ms

Remote clock offset: 1.506 ms

Below is generated by plot.py at 2018-01-17 07:05:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.43 Mbit/s

95th percentile per-packet one-way delay: 105.844 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 53.72 Mbit/s

95th percentile per-packet one-way delay: 100.184 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 26.62 Mbit/s

95th percentile per-packet one-way delay: 105.163 ms

Loss rate: 1.17%

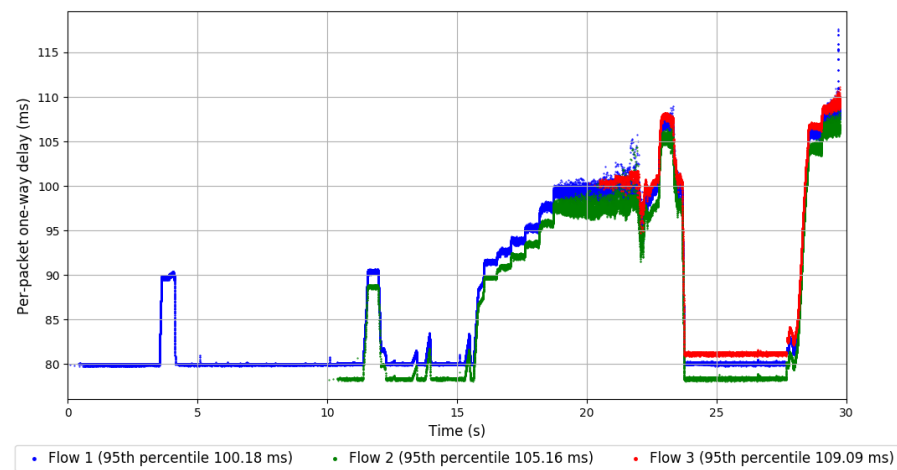
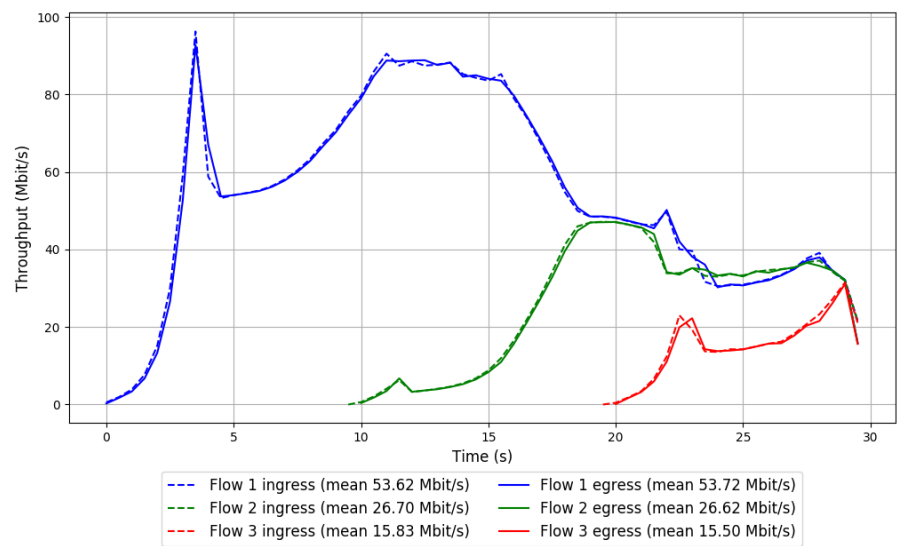
-- Flow 3:

Average throughput: 15.50 Mbit/s

95th percentile per-packet one-way delay: 109.095 ms

Loss rate: 3.95%

Run 8: Report of Vivace-latency — Data Link

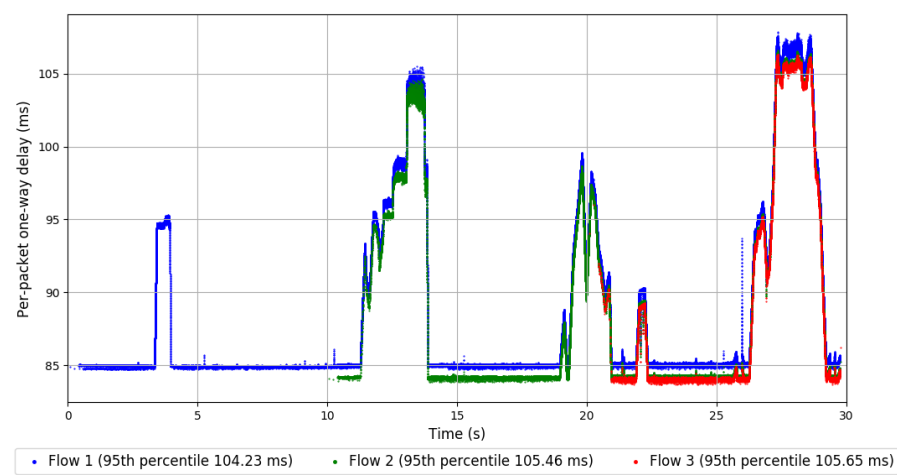
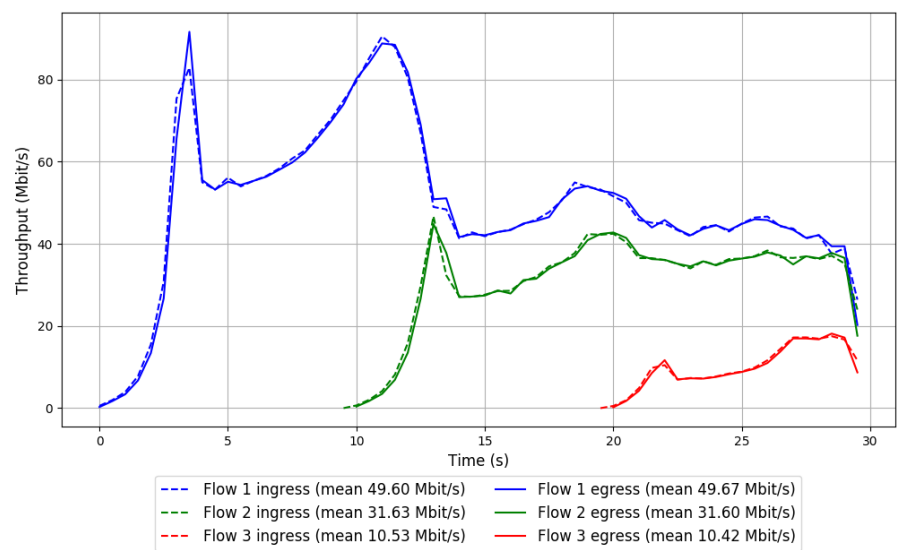


Run 9: Statistics of Vivace-latency

Start at: 2018-01-17 02:17:44
End at: 2018-01-17 02:18:14
Local clock offset: 0.833 ms
Remote clock offset: -4.762 ms

Below is generated by plot.py at 2018-01-17 07:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 105.143 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 49.67 Mbit/s
95th percentile per-packet one-way delay: 104.227 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 105.456 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 105.652 ms
Loss rate: 2.74%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-01-17 02:41:22

End at: 2018-01-17 02:41:52

Local clock offset: 0.973 ms

Remote clock offset: 0.534 ms

Below is generated by plot.py at 2018-01-17 07:06:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.63 Mbit/s

95th percentile per-packet one-way delay: 107.924 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 60.68 Mbit/s

95th percentile per-packet one-way delay: 103.052 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 20.98 Mbit/s

95th percentile per-packet one-way delay: 109.619 ms

Loss rate: 1.54%

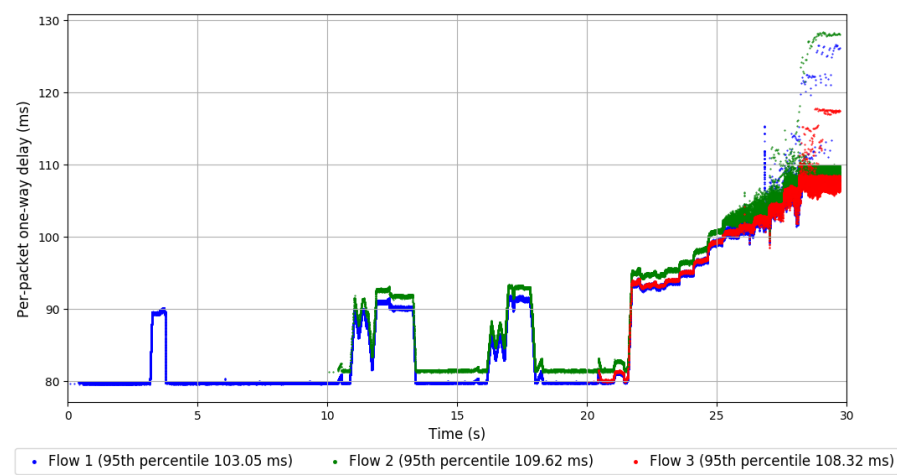
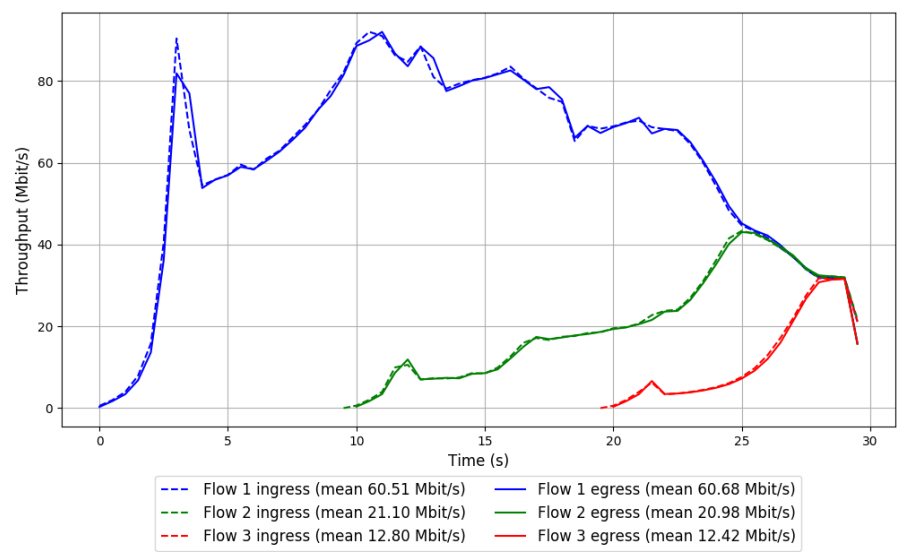
-- Flow 3:

Average throughput: 12.42 Mbit/s

95th percentile per-packet one-way delay: 108.323 ms

Loss rate: 4.88%

Run 10: Report of Vivace-latency — Data Link

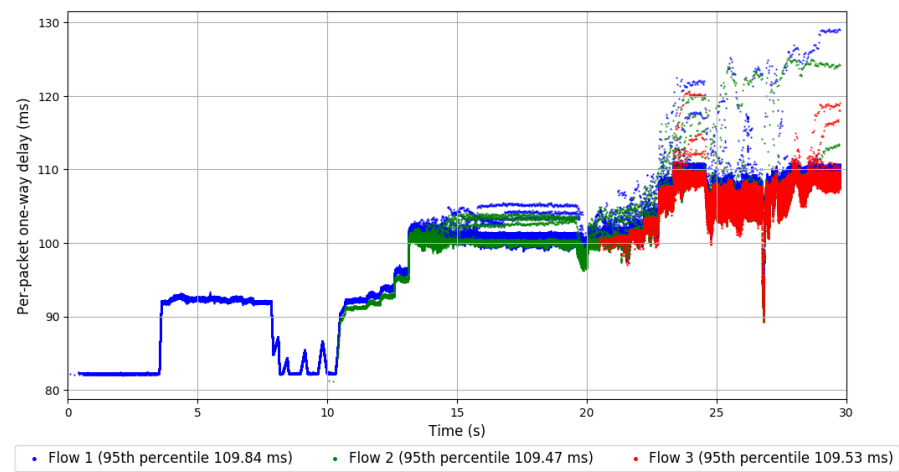
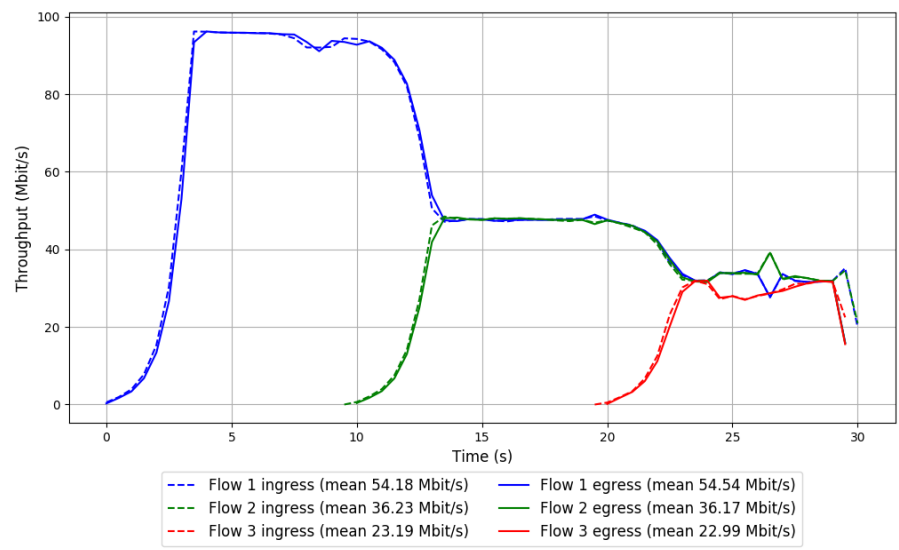


```
Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 23:10:59
End at: 2018-01-16 23:11:29
Local clock offset: 0.491 ms
Remote clock offset: -1.597 ms

# Below is generated by plot.py at 2018-01-17 07:06:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 109.525 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 109.838 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 109.471 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 22.99 Mbit/s
95th percentile per-packet one-way delay: 109.528 ms
Loss rate: 3.00%
```

Run 1: Report of Vivace-loss — Data Link

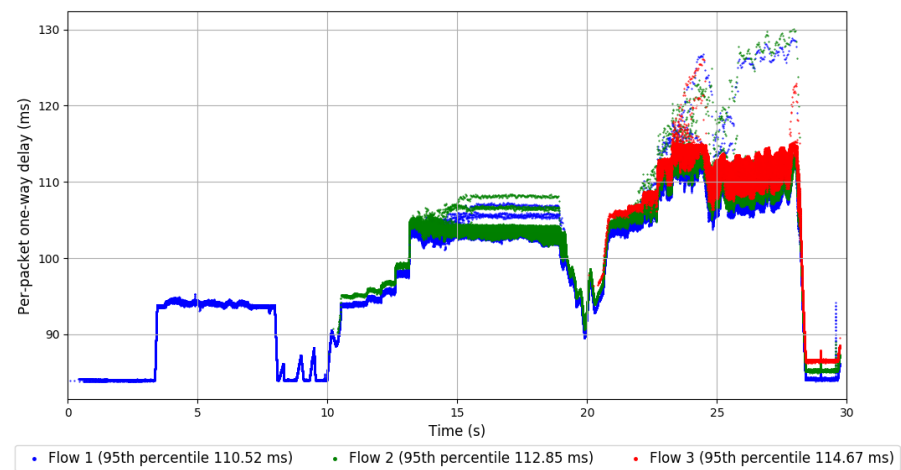
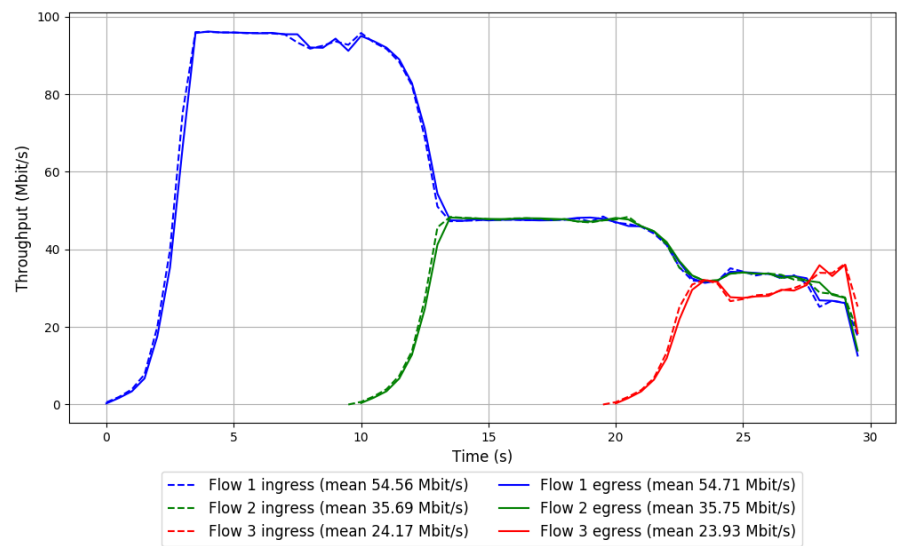


Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 23:34:39
End at: 2018-01-16 23:35:09
Local clock offset: 0.337 ms
Remote clock offset: -5.359 ms

Below is generated by plot.py at 2018-01-17 07:06:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 112.599 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 110.520 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 112.853 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 114.672 ms
Loss rate: 2.82%

Run 2: Report of Vivace-loss — Data Link

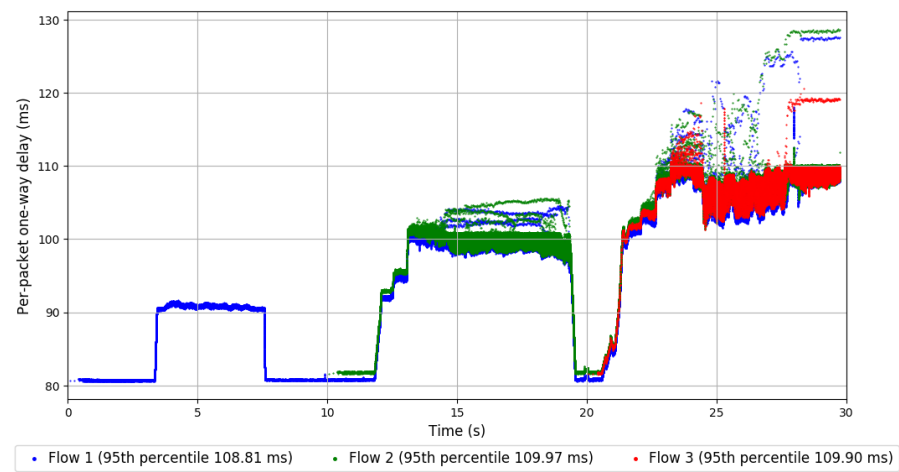
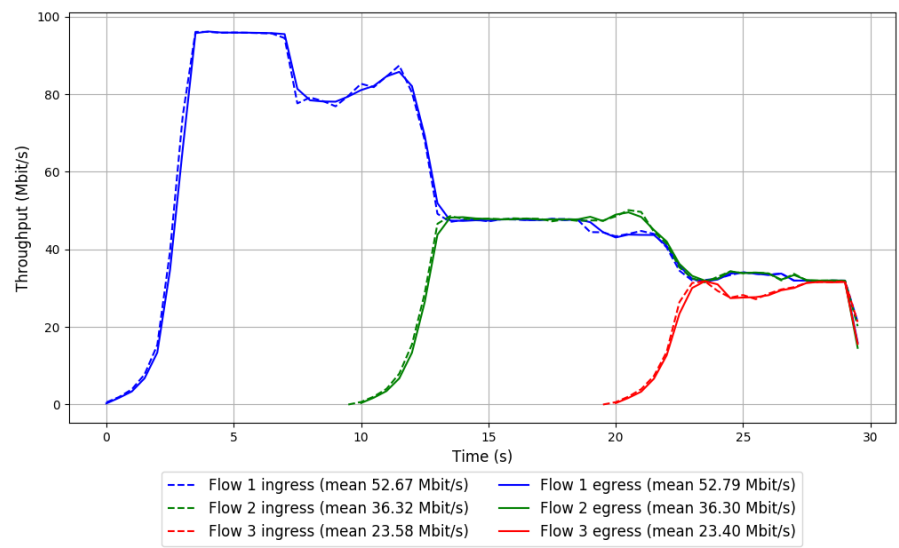


Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 23:58:19
End at: 2018-01-16 23:58:49
Local clock offset: 0.372 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-01-17 07:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 109.581 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 108.806 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 109.970 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 109.903 ms
Loss rate: 2.67%

Run 3: Report of Vivace-loss — Data Link

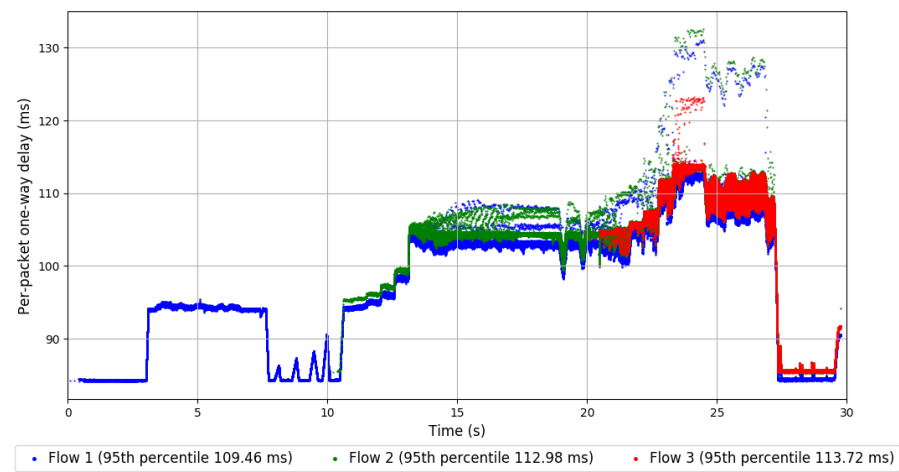
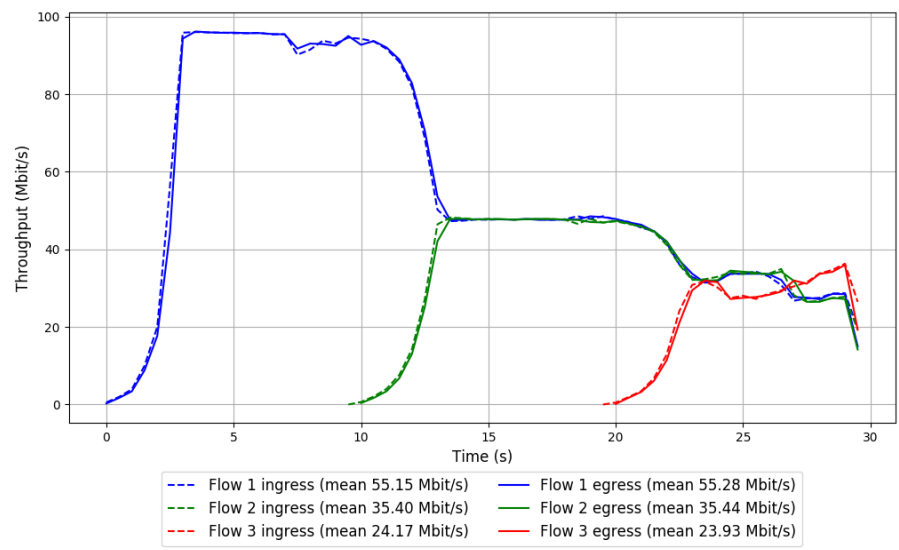


Run 4: Statistics of Vivace-loss

Start at: 2018-01-17 00:21:55
End at: 2018-01-17 00:22:25
Local clock offset: 0.372 ms
Remote clock offset: -4.171 ms

Below is generated by plot.py at 2018-01-17 07:07:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 112.136 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 109.462 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 112.979 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 113.715 ms
Loss rate: 2.87%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-01-17 00:45:35

End at: 2018-01-17 00:46:05

Local clock offset: 0.366 ms

Remote clock offset: -4.49 ms

Below is generated by plot.py at 2018-01-17 07:07:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.51 Mbit/s

95th percentile per-packet one-way delay: 112.711 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 52.81 Mbit/s

95th percentile per-packet one-way delay: 111.036 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 35.90 Mbit/s

95th percentile per-packet one-way delay: 113.710 ms

Loss rate: 0.67%

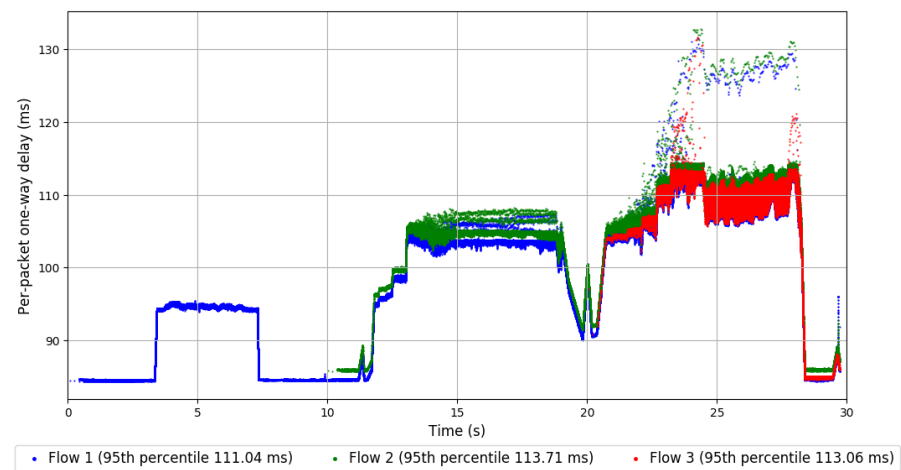
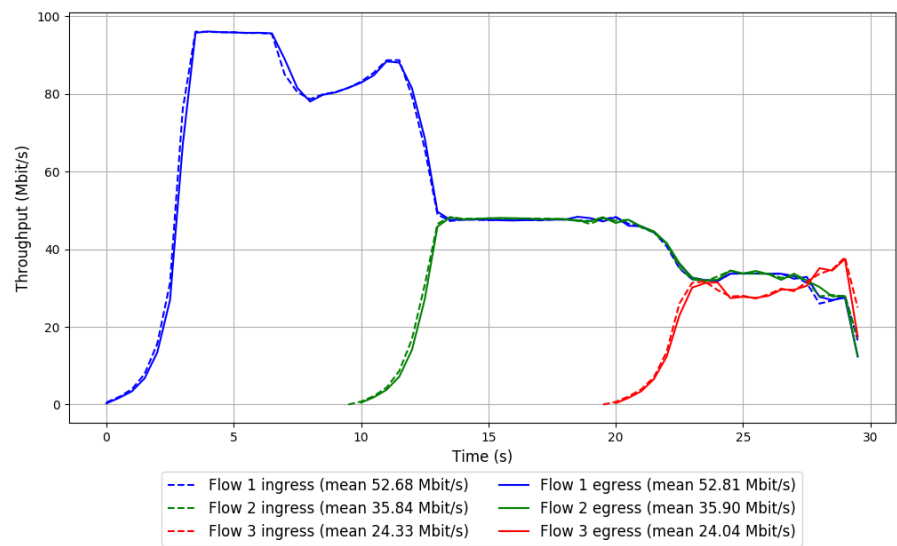
-- Flow 3:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 113.065 ms

Loss rate: 2.96%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

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

End at: 2018-01-17 01:09:41

Local clock offset: 0.416 ms

Remote clock offset: 0.567 ms

Below is generated by plot.py at 2018-01-17 07:07:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.32 Mbit/s

95th percentile per-packet one-way delay: 109.434 ms

Loss rate: 2.36%

-- Flow 1:

Average throughput: 54.25 Mbit/s

95th percentile per-packet one-way delay: 108.780 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 109.528 ms

Loss rate: 3.73%

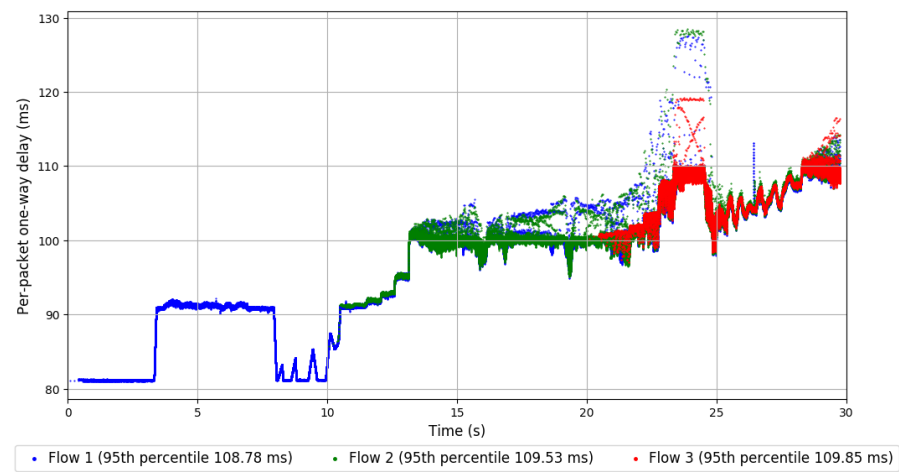
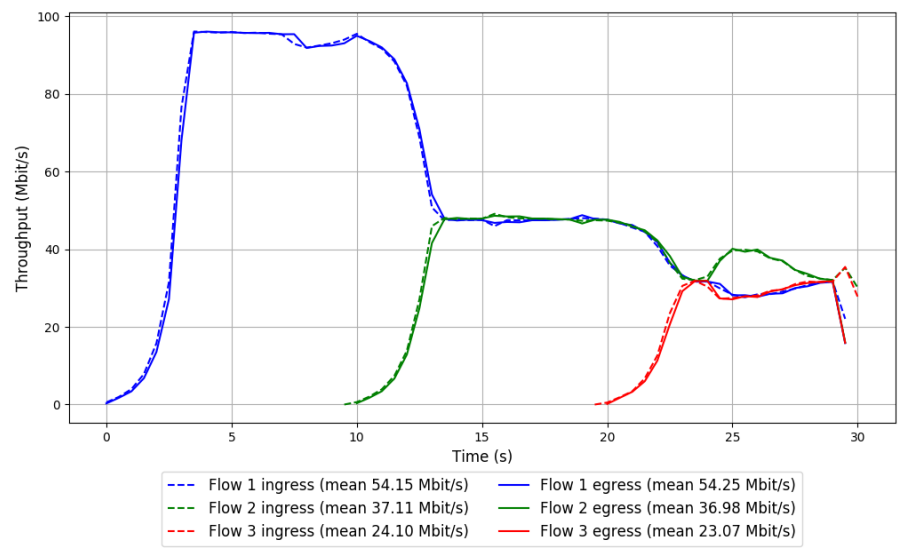
-- Flow 3:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 109.851 ms

Loss rate: 10.81%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-01-17 01:33:01

End at: 2018-01-17 01:33:31

Local clock offset: 0.557 ms

Remote clock offset: -4.815 ms

Run 7: Report of Vivace-loss — Data Link

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Run 8: Statistics of Vivace-loss

Start at: 2018-01-17 01:56:44

End at: 2018-01-17 01:57:14

Local clock offset: 0.654 ms

Remote clock offset: 0.705 ms

Below is generated by plot.py at 2018-01-17 07:08:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.41 Mbit/s

95th percentile per-packet one-way delay: 108.309 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 106.968 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 36.79 Mbit/s

95th percentile per-packet one-way delay: 109.478 ms

Loss rate: 3.75%

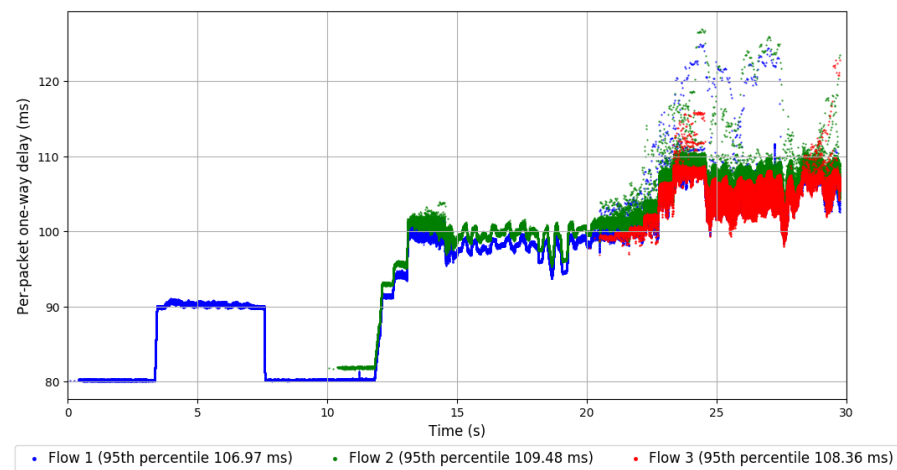
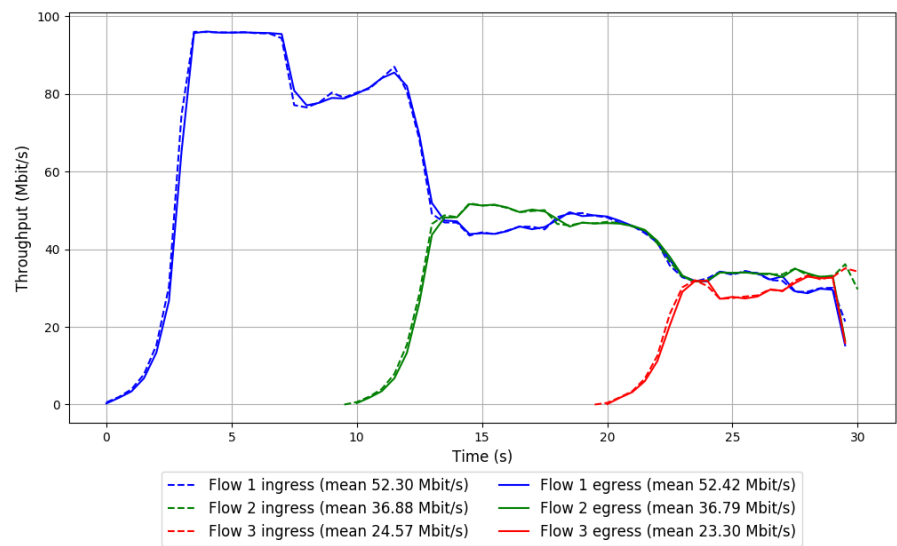
-- Flow 3:

Average throughput: 23.30 Mbit/s

95th percentile per-packet one-way delay: 108.361 ms

Loss rate: 11.87%

Run 8: Report of Vivace-loss — Data Link

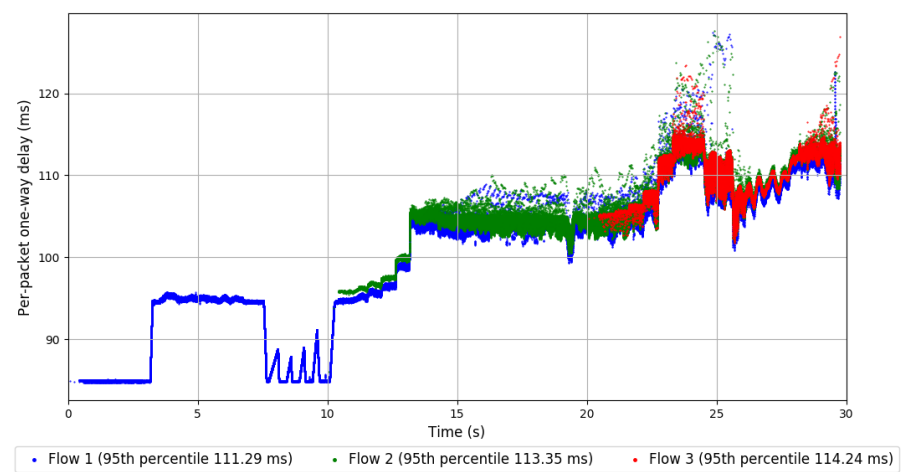
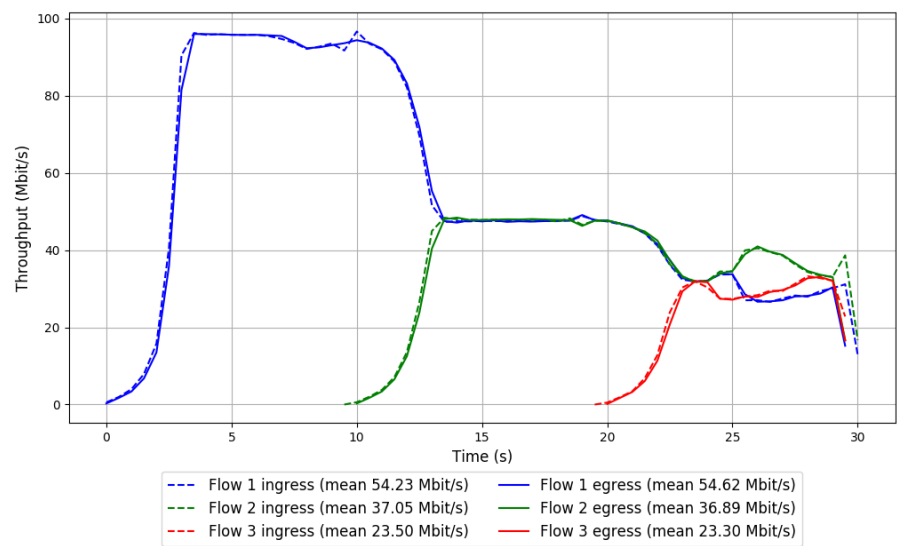


Run 9: Statistics of Vivace-loss

Start at: 2018-01-17 02:20:25
End at: 2018-01-17 02:20:55
Local clock offset: 0.861 ms
Remote clock offset: -4.766 ms

Below is generated by plot.py at 2018-01-17 07:08:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 112.984 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 111.292 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 113.352 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 114.242 ms
Loss rate: 2.89%

Run 9: Report of Vivace-loss — Data Link

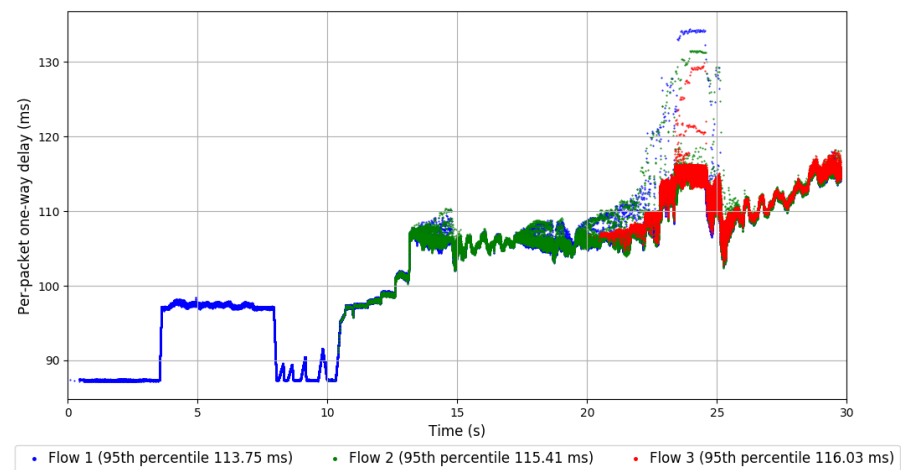
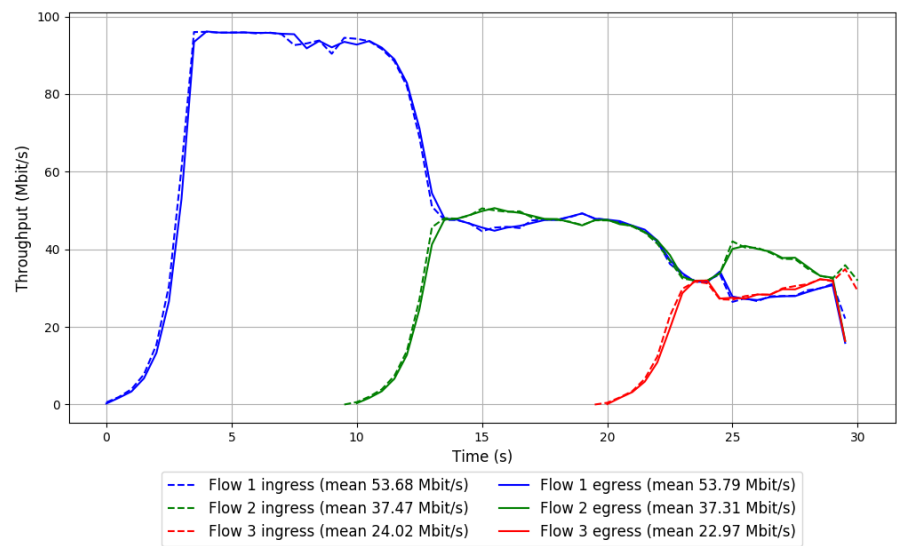


Run 10: Statistics of Vivace-loss

Start at: 2018-01-17 02:44:03
End at: 2018-01-17 02:44:33
Local clock offset: 0.921 ms
Remote clock offset: -5.765 ms

Below is generated by plot.py at 2018-01-17 07:08:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 115.319 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 113.751 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 115.407 ms
Loss rate: 3.85%
-- Flow 3:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 116.028 ms
Loss rate: 11.05%

Run 10: Report of Vivace-loss — Data Link

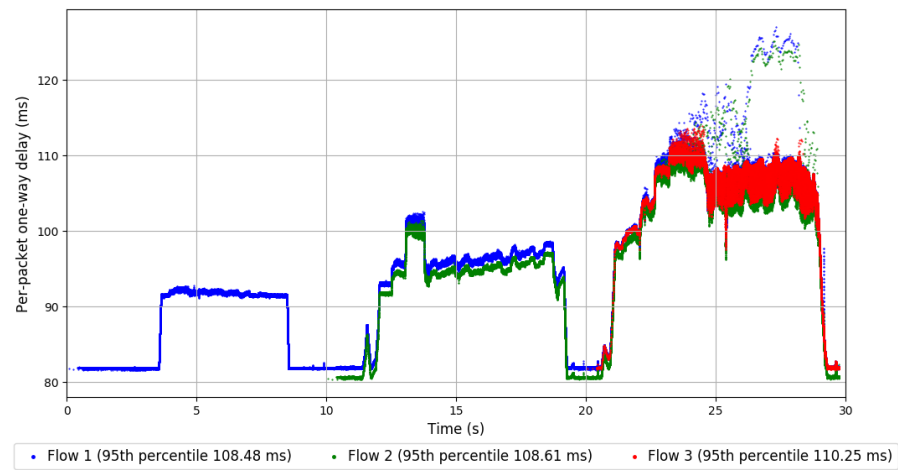
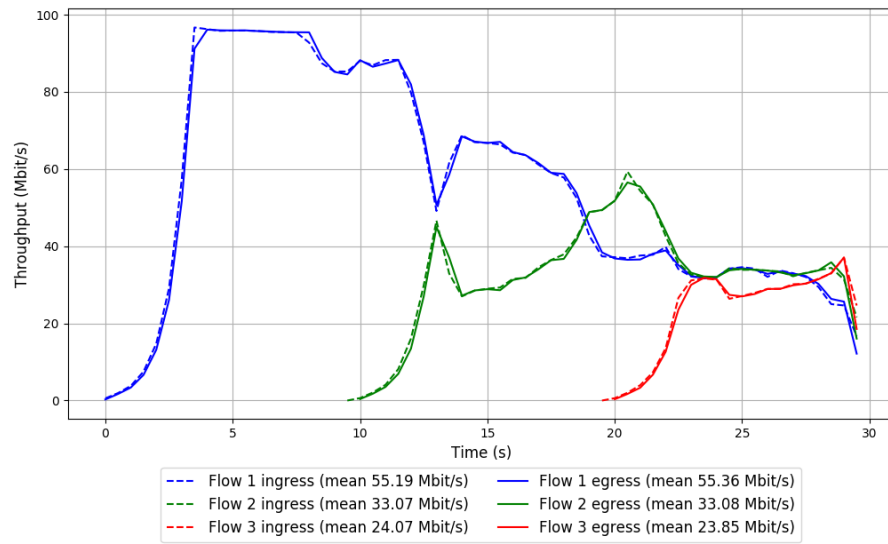


Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 23:06:56
End at: 2018-01-16 23:07:26
Local clock offset: 0.467 ms
Remote clock offset: -1.656 ms

Below is generated by plot.py at 2018-01-17 07:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 109.060 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 108.483 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 108.610 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 110.246 ms
Loss rate: 2.64%

Run 1: Report of Vivace-LTE — Data Link

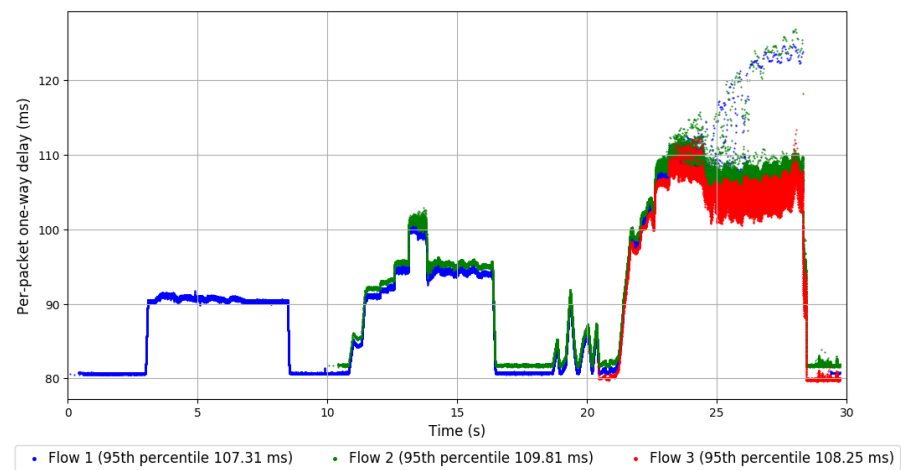
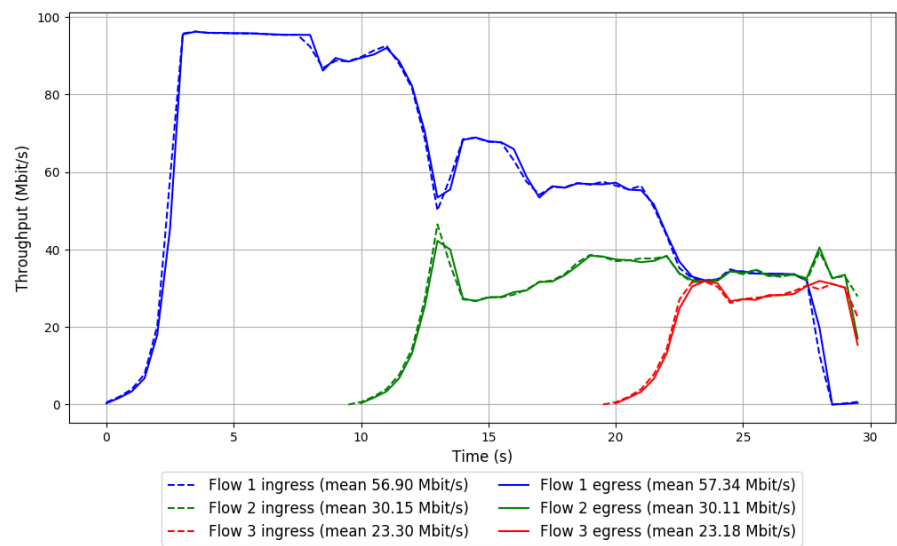


Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 23:30:33
End at: 2018-01-16 23:31:03
Local clock offset: 0.421 ms
Remote clock offset: -1.477 ms

Below is generated by plot.py at 2018-01-17 07:09:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 108.352 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 107.305 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 109.805 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 108.254 ms
Loss rate: 2.57%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-16 23:54:16

End at: 2018-01-16 23:54:46

Local clock offset: 0.375 ms

Remote clock offset: 0.531 ms

Below is generated by plot.py at 2018-01-17 07:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 108.609 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 58.45 Mbit/s

95th percentile per-packet one-way delay: 108.757 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 108.166 ms

Loss rate: 0.94%

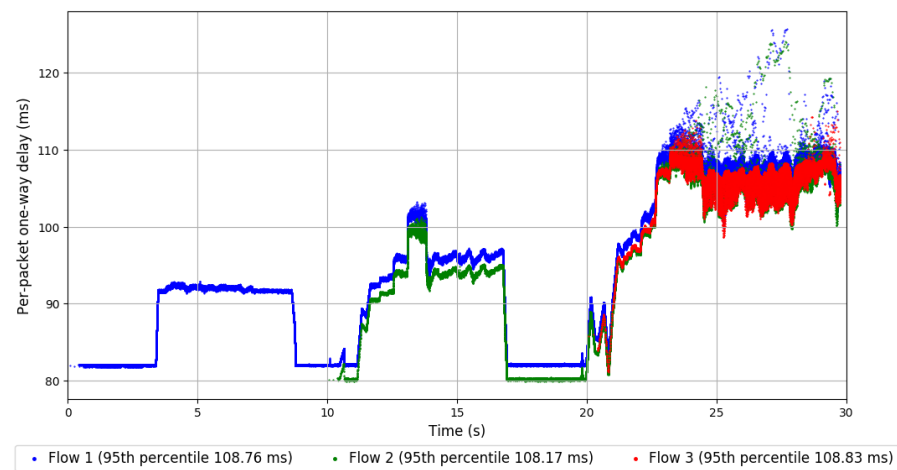
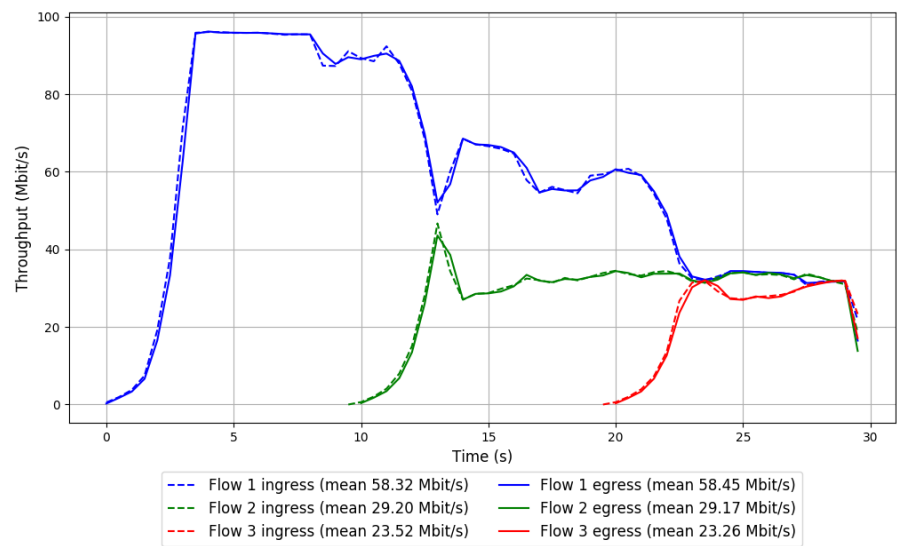
-- Flow 3:

Average throughput: 23.26 Mbit/s

95th percentile per-packet one-way delay: 108.835 ms

Loss rate: 2.87%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-17 00:17:53

End at: 2018-01-17 00:18:23

Local clock offset: 0.308 ms

Remote clock offset: 1.979 ms

Below is generated by plot.py at 2018-01-17 07:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.62 Mbit/s

95th percentile per-packet one-way delay: 107.429 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 50.86 Mbit/s

95th percentile per-packet one-way delay: 105.821 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 30.51 Mbit/s

95th percentile per-packet one-way delay: 107.841 ms

Loss rate: 0.81%

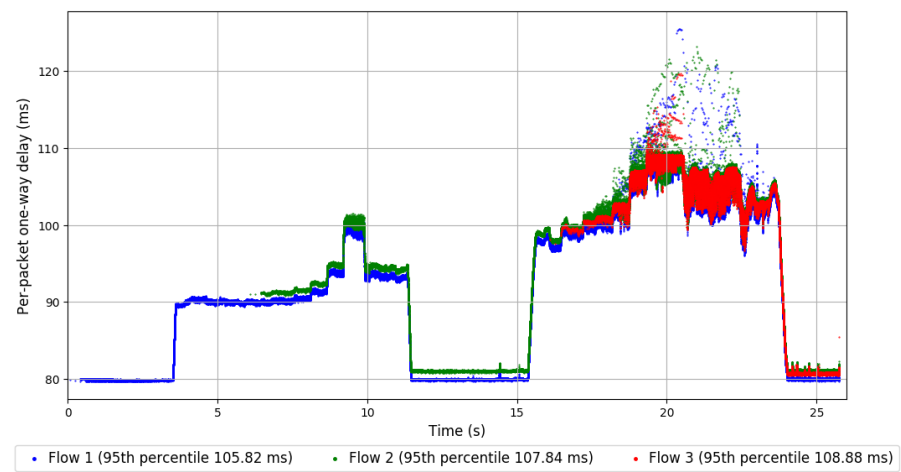
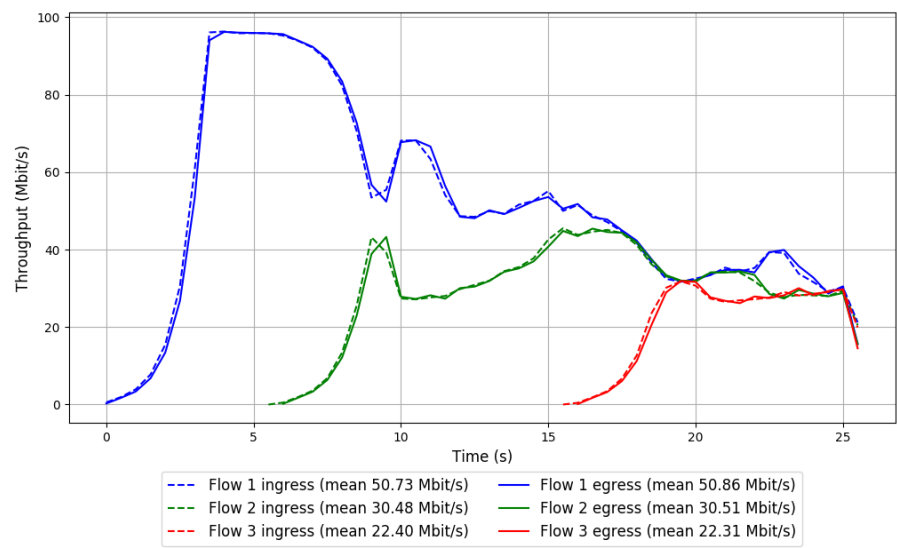
-- Flow 3:

Average throughput: 22.31 Mbit/s

95th percentile per-packet one-way delay: 108.881 ms

Loss rate: 2.27%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-01-17 00:41:31

End at: 2018-01-17 00:42:01

Local clock offset: 0.365 ms

Remote clock offset: 0.994 ms

Below is generated by plot.py at 2018-01-17 07:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.56 Mbit/s

95th percentile per-packet one-way delay: 106.820 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 51.93 Mbit/s

95th percentile per-packet one-way delay: 101.335 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.50 Mbit/s

95th percentile per-packet one-way delay: 107.484 ms

Loss rate: 2.11%

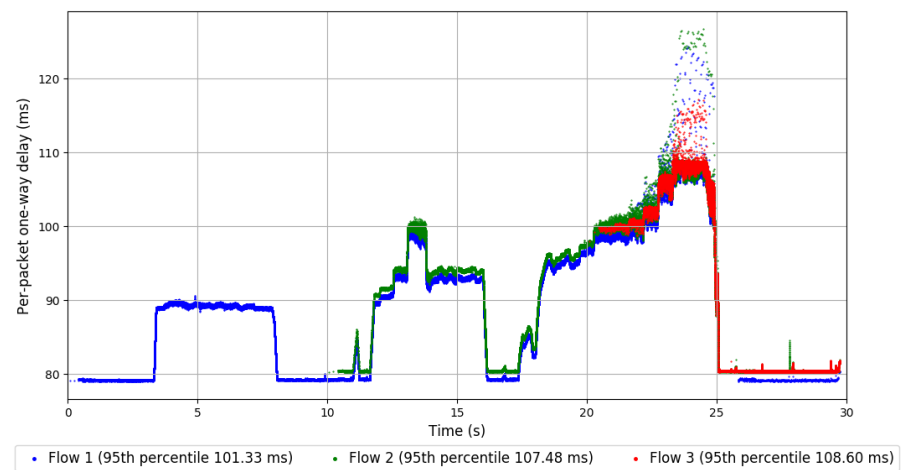
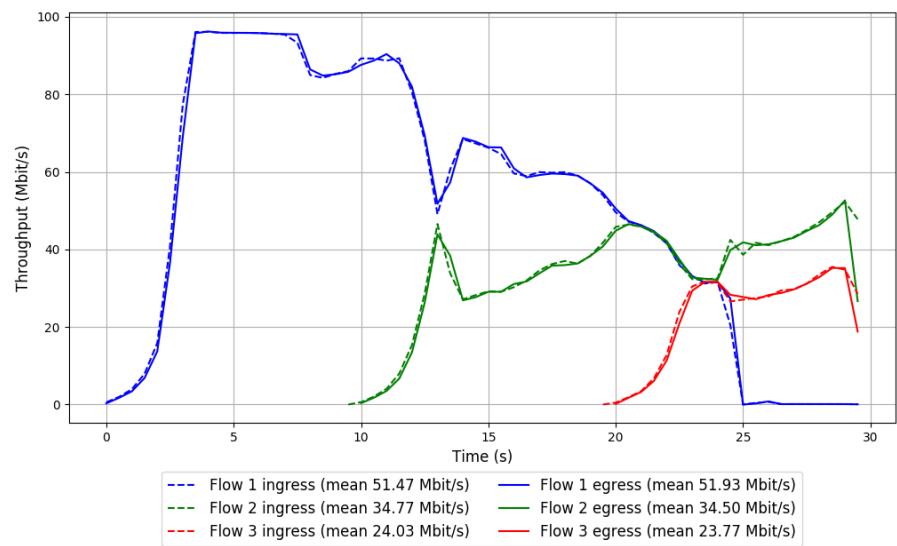
-- Flow 3:

Average throughput: 23.77 Mbit/s

95th percentile per-packet one-way delay: 108.600 ms

Loss rate: 3.23%

Run 5: Report of Vivace-LTE — Data Link

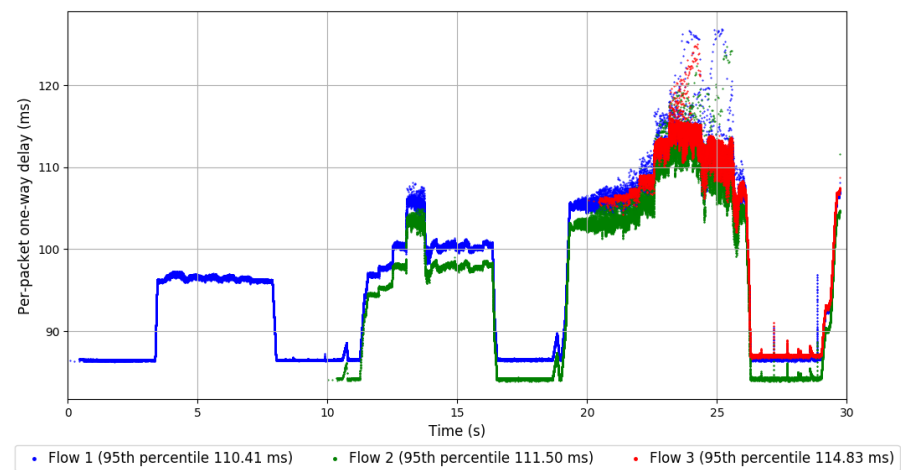
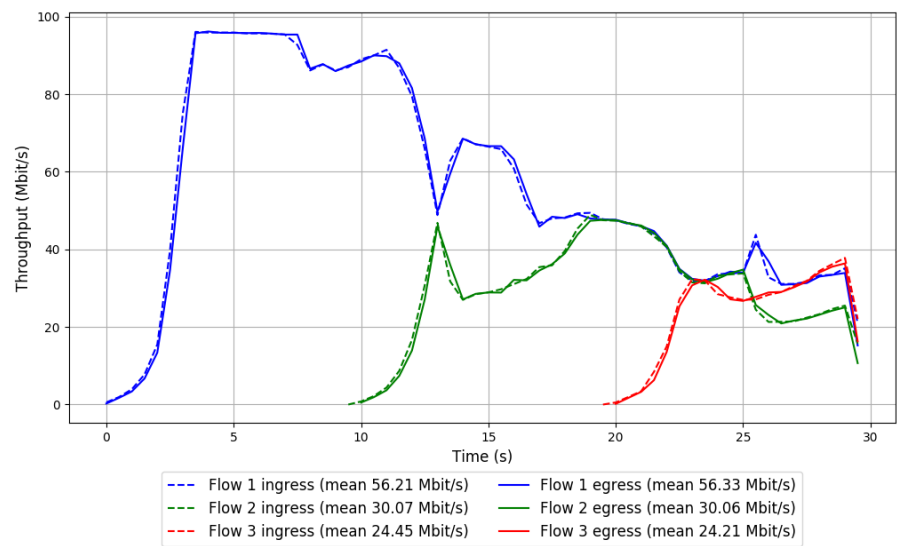


Run 6: Statistics of Vivace-LTE

Start at: 2018-01-17 01:05:08
End at: 2018-01-17 01:05:38
Local clock offset: 0.413 ms
Remote clock offset: -3.488 ms

Below is generated by plot.py at 2018-01-17 07:10:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.19 Mbit/s
95th percentile per-packet one-way delay: 112.340 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 110.408 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 111.502 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 114.826 ms
Loss rate: 2.88%

Run 6: Report of Vivace-LTE — Data Link

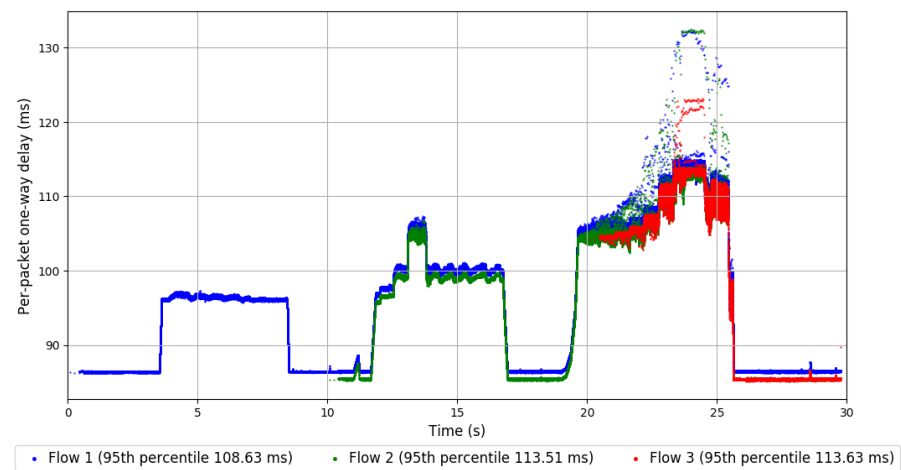
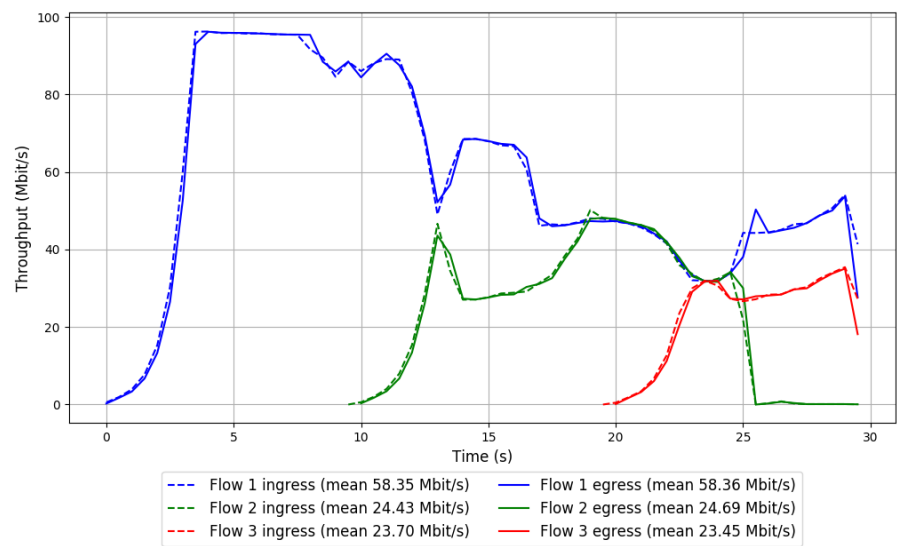


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-17 01:28:51
End at: 2018-01-17 01:29:21
Local clock offset: 0.433 ms
Remote clock offset: -3.866 ms

Below is generated by plot.py at 2018-01-17 07:10:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 112.166 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 108.630 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 113.508 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 113.627 ms
Loss rate: 3.28%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-01-17 01:52:39

End at: 2018-01-17 01:53:09

Local clock offset: 0.61 ms

Remote clock offset: 1.487 ms

Below is generated by plot.py at 2018-01-17 07:10:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.51 Mbit/s

95th percentile per-packet one-way delay: 107.432 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 56.30 Mbit/s

95th percentile per-packet one-way delay: 106.397 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 107.867 ms

Loss rate: 0.88%

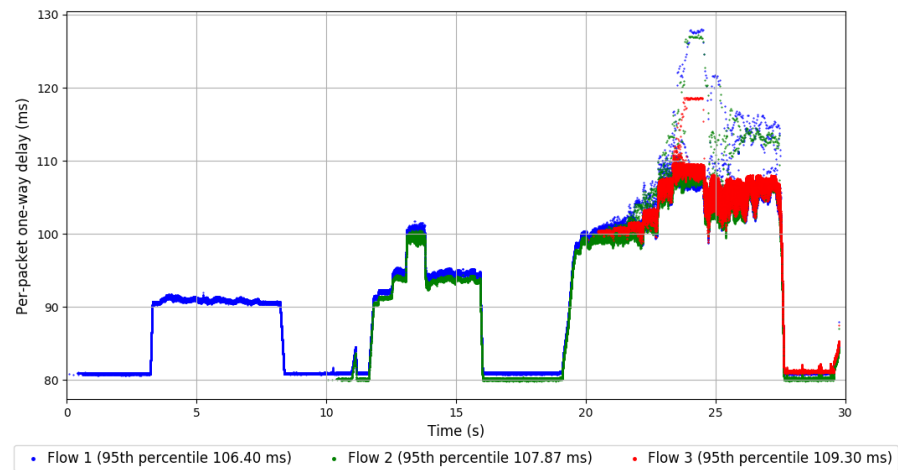
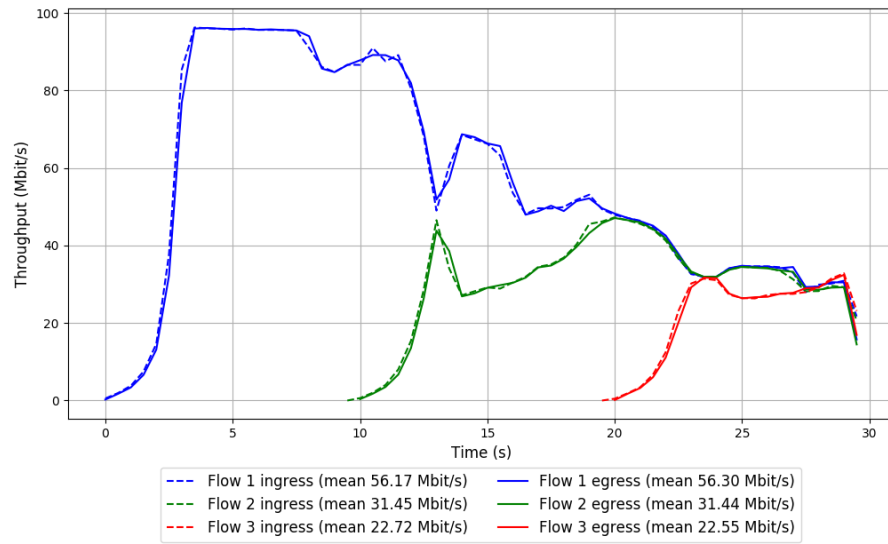
-- Flow 3:

Average throughput: 22.55 Mbit/s

95th percentile per-packet one-way delay: 109.303 ms

Loss rate: 2.61%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-01-17 02:16:22

End at: 2018-01-17 02:16:52

Local clock offset: 0.806 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-01-17 07:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.14 Mbit/s

95th percentile per-packet one-way delay: 106.802 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 52.21 Mbit/s

95th percentile per-packet one-way delay: 102.508 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 35.31 Mbit/s

95th percentile per-packet one-way delay: 106.879 ms

Loss rate: 1.52%

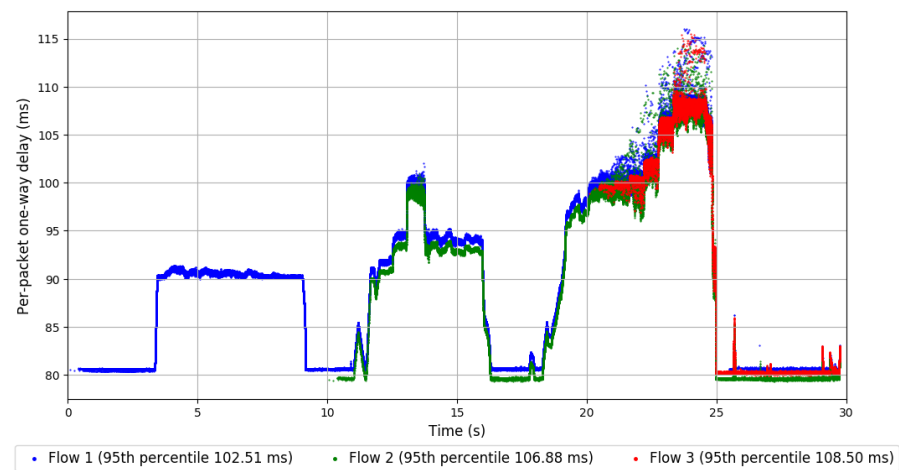
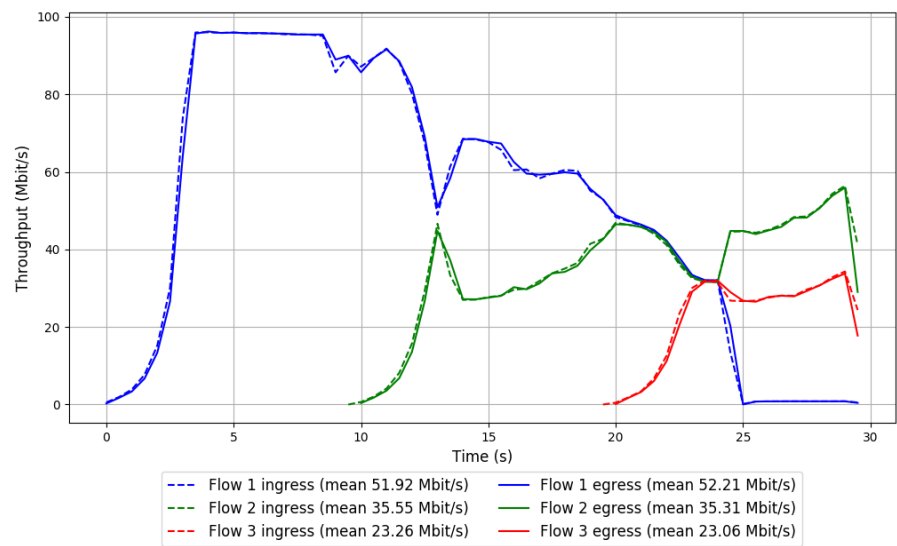
-- Flow 3:

Average throughput: 23.06 Mbit/s

95th percentile per-packet one-way delay: 108.499 ms

Loss rate: 2.71%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-17 02:39:59
End at: 2018-01-17 02:40:29
Local clock offset: 0.989 ms
Remote clock offset: -5.871 ms

Below is generated by plot.py at 2018-01-17 07:10:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.35 Mbit/s
95th percentile per-packet one-way delay: 113.556 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 114.129 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 113.102 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 113.385 ms
Loss rate: 6.39%

Run 10: Report of Vivace-LTE — Data Link

