

Pantheon Report

Generated at 2018-02-01 06:18:17 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

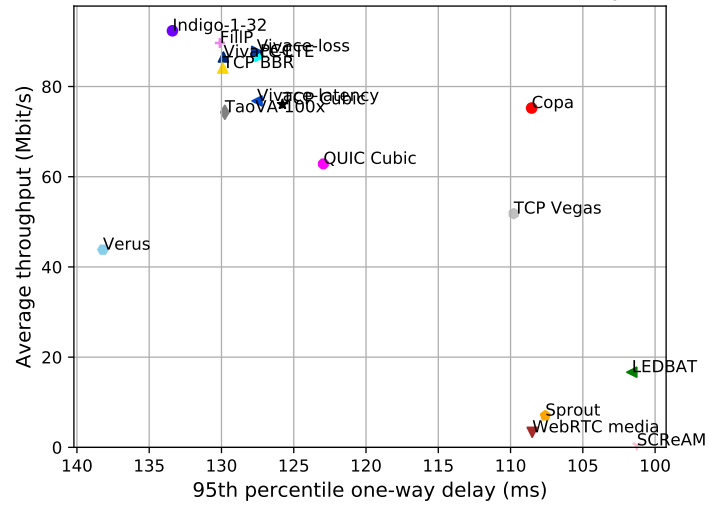
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

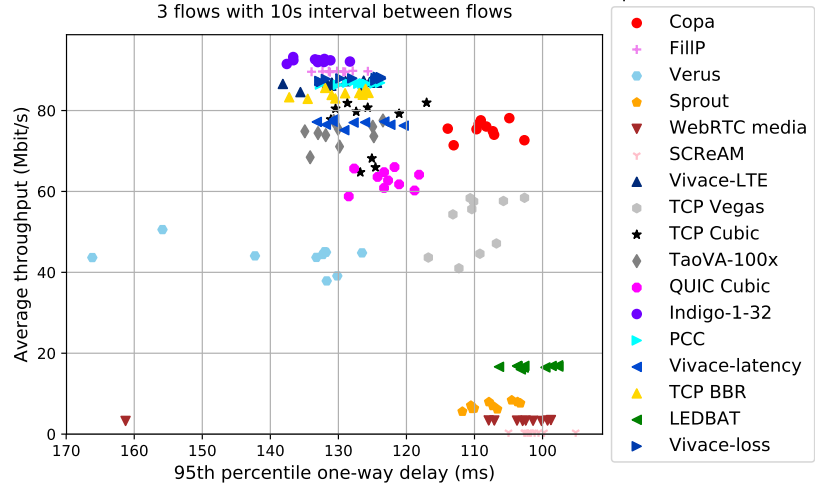
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS Brazil 2 Ethernet to Colombia 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	52.45	35.12	24.94	127.20	127.90	130.15	7.22	10.15	13.28
TCP Cubic	10	44.65	35.43	23.56	124.38	127.59	127.41	0.43	0.94	1.31
LEDBAT	10	10.86	7.06	3.42	99.91	101.23	100.35	0.00	0.01	0.00
PCC	10	78.98	7.98	7.32	127.30	128.61	129.81	3.10	5.60	7.43
QUIC Cubic	10	40.50	26.02	15.67	123.54	121.15	123.31	0.89	0.91	3.60
SCReAM	10	0.22	0.22	0.22	99.62	99.61	98.89	0.00	0.00	0.00
WebRTC media	10	1.91	1.16	0.28	101.18	115.39	101.00	0.02	0.01	0.00
Sprout	10	3.55	3.55	3.41	107.65	106.89	107.10	0.00	0.00	0.00
TaoVA-100x	10	44.87	32.63	23.48	129.25	129.06	129.16	4.88	8.43	11.19
TCP Vegas	10	22.20	28.29	32.53	109.12	110.60	109.91	0.73	0.75	1.08
Verus	10	20.52	26.91	17.44	130.64	141.76	133.37	24.15	45.55	31.15
Copa	10	47.20	35.35	13.51	107.26	108.93	112.14	0.01	0.01	0.02
FillP	10	53.02	37.44	35.45	128.01	127.59	128.77	14.08	19.87	30.35
Indigo-1-32	10	65.33	21.74	39.84	131.16	130.16	131.49	19.66	45.68	67.66
Vivace-latency	10	63.86	15.99	7.00	127.61	127.38	127.86	0.35	0.80	0.75
Vivace-loss	10	81.88	6.61	4.66	127.53	128.22	130.49	2.99	3.96	4.64
Vivace-LTE	10	74.43	13.80	8.90	129.82	126.80	129.13	3.15	2.32	2.88

Run 1: Statistics of TCP BBR

Start at: 2018-02-01 01:40:46

End at: 2018-02-01 01:41:16

Local clock offset: 0.16 ms

Remote clock offset: 1.202 ms

Below is generated by plot.py at 2018-02-01 05:55:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.90 Mbit/s

95th percentile per-packet one-way delay: 134.510 ms

Loss rate: 10.31%

-- Flow 1:

Average throughput: 50.59 Mbit/s

95th percentile per-packet one-way delay: 129.828 ms

Loss rate: 8.47%

-- Flow 2:

Average throughput: 35.45 Mbit/s

95th percentile per-packet one-way delay: 133.116 ms

Loss rate: 13.11%

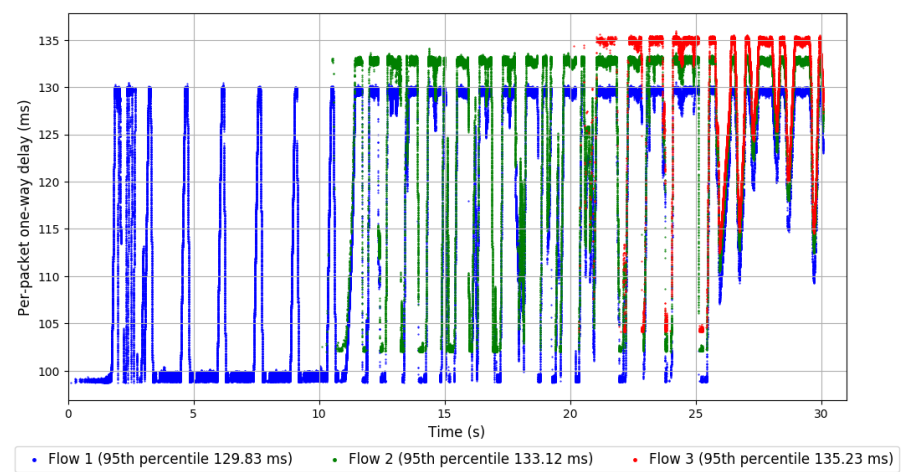
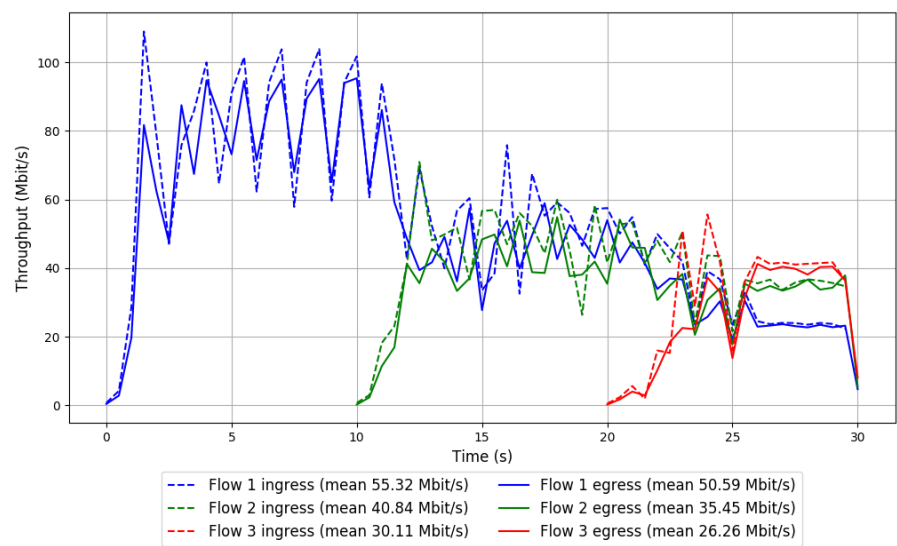
-- Flow 3:

Average throughput: 26.26 Mbit/s

95th percentile per-packet one-way delay: 135.228 ms

Loss rate: 12.84%

Run 1: Report of TCP BBR — Data Link

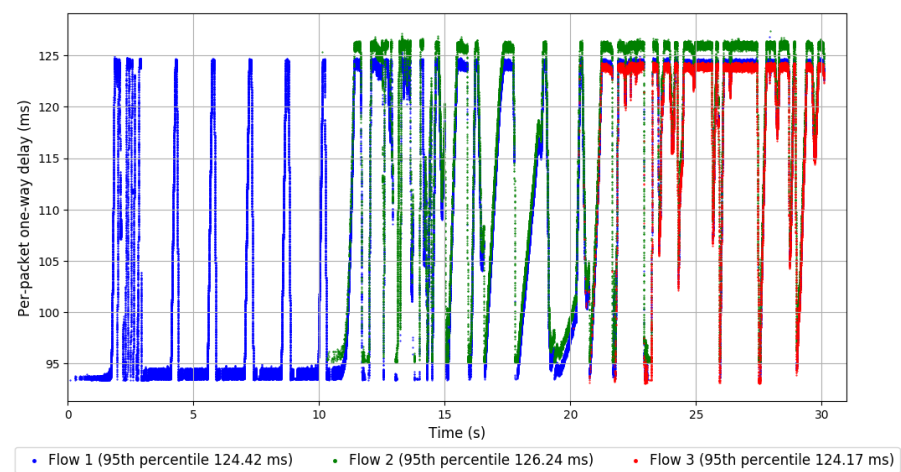
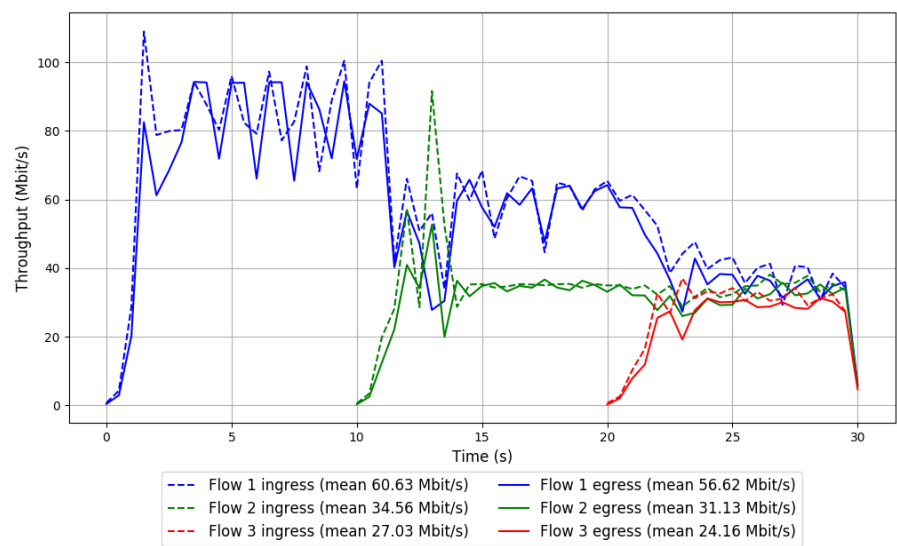


Run 2: Statistics of TCP BBR

Start at: 2018-02-01 02:04:35
End at: 2018-02-01 02:05:05
Local clock offset: 0.05 ms
Remote clock offset: -6.045 ms

Below is generated by plot.py at 2018-02-01 05:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 126.004 ms
Loss rate: 7.75%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 124.417 ms
Loss rate: 6.53%
-- Flow 2:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 126.238 ms
Loss rate: 9.93%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 124.168 ms
Loss rate: 10.40%

Run 2: Report of TCP BBR — Data Link

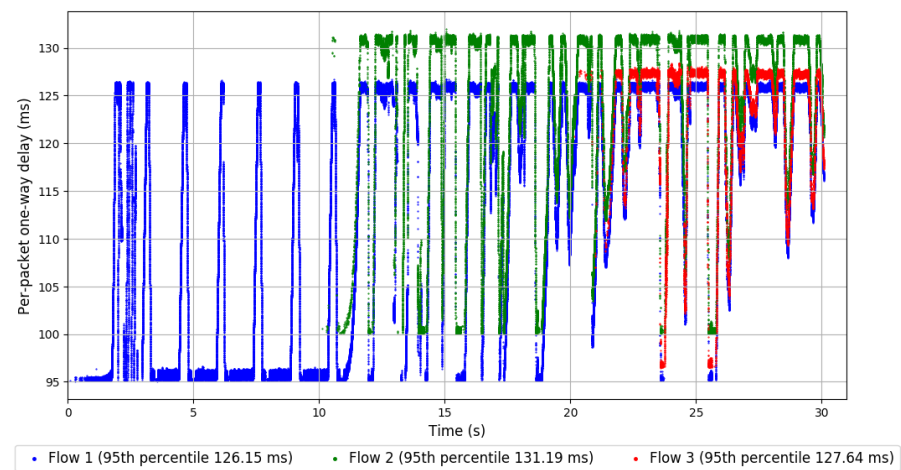
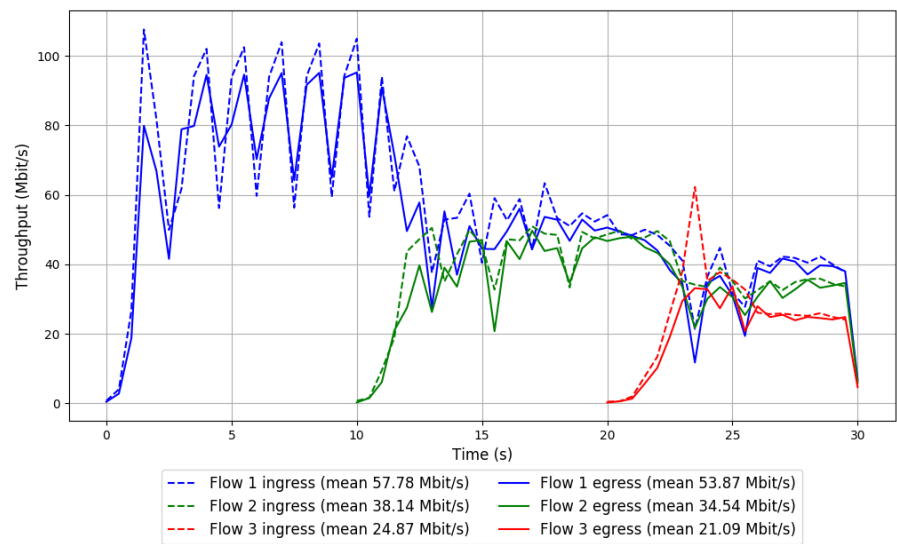


Run 3: Statistics of TCP BBR

Start at: 2018-02-01 02:28:25
End at: 2018-02-01 02:28:55
Local clock offset: -0.05 ms
Remote clock offset: -7.014 ms

Below is generated by plot.py at 2018-02-01 05:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 130.990 ms
Loss rate: 8.22%
-- Flow 1:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 126.148 ms
Loss rate: 6.71%
-- Flow 2:
Average throughput: 34.54 Mbit/s
95th percentile per-packet one-way delay: 131.190 ms
Loss rate: 9.36%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 127.641 ms
Loss rate: 15.23%

Run 3: Report of TCP BBR — Data Link

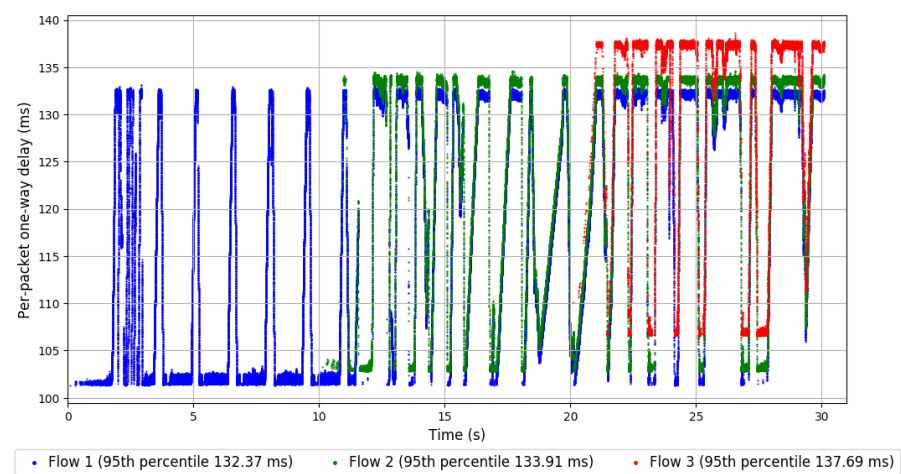
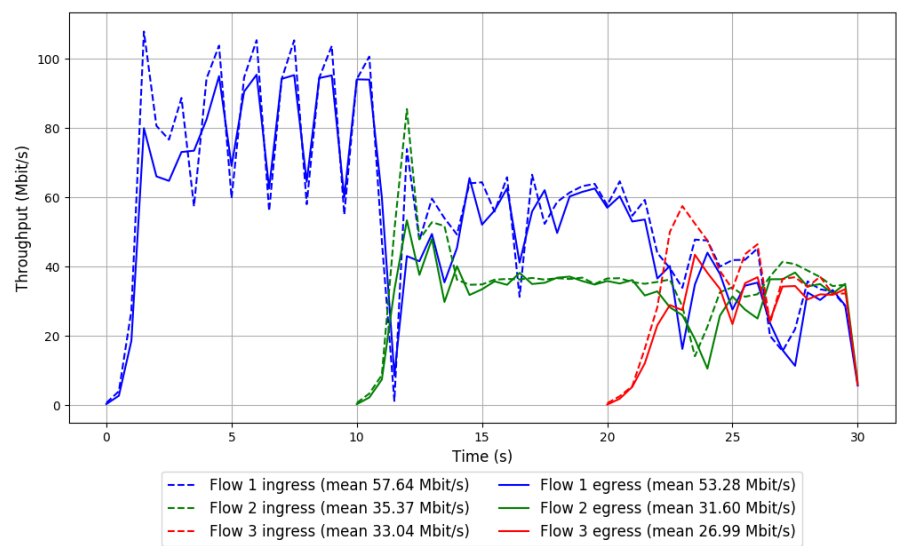


Run 4: Statistics of TCP BBR

Start at: 2018-02-01 02:52:11
End at: 2018-02-01 02:52:41
Local clock offset: -0.022 ms
Remote clock offset: -0.627 ms

Below is generated by plot.py at 2018-02-01 05:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 137.225 ms
Loss rate: 9.52%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 132.368 ms
Loss rate: 7.46%
-- Flow 2:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 133.908 ms
Loss rate: 10.53%
-- Flow 3:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 137.689 ms
Loss rate: 18.13%

Run 4: Report of TCP BBR — Data Link

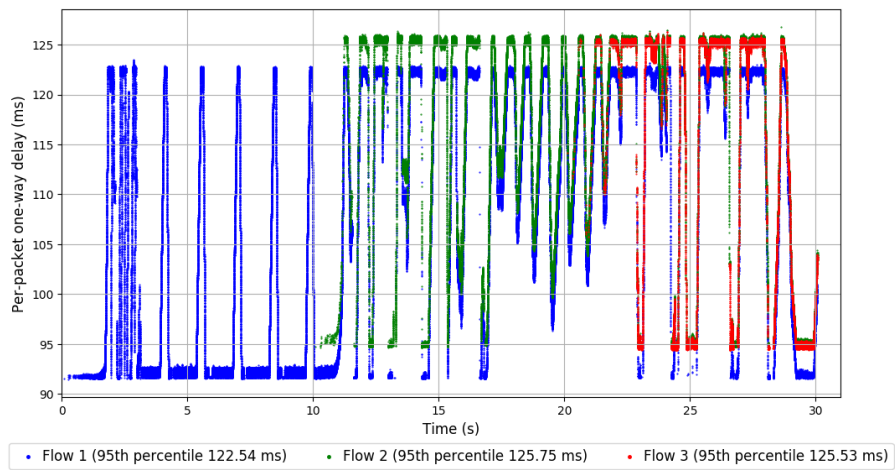
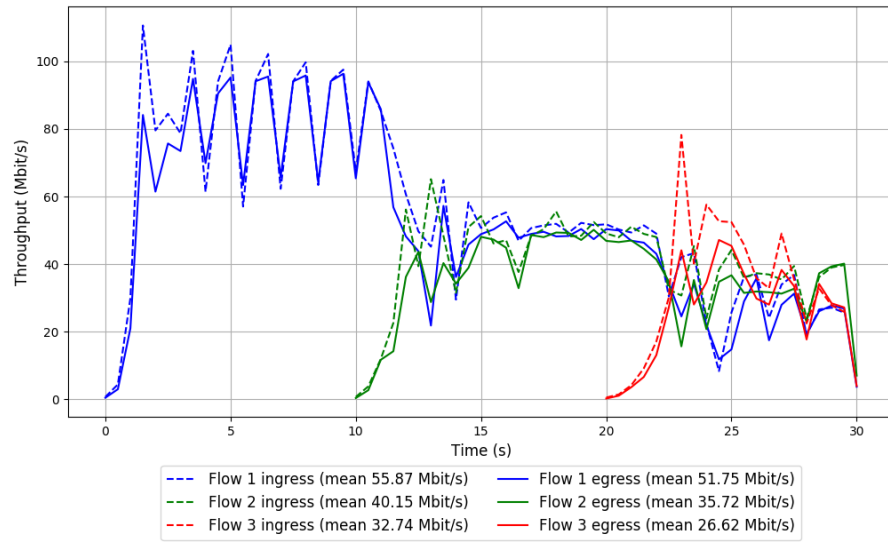


Run 5: Statistics of TCP BBR

Start at: 2018-02-01 03:16:02
End at: 2018-02-01 03:16:32
Local clock offset: -0.114 ms
Remote clock offset: -6.459 ms

Below is generated by plot.py at 2018-02-01 05:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 125.569 ms
Loss rate: 9.72%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 122.542 ms
Loss rate: 7.35%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 125.750 ms
Loss rate: 10.99%
-- Flow 3:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 125.529 ms
Loss rate: 18.79%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-01 03:39:57

End at: 2018-02-01 03:40:27

Local clock offset: -0.209 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-02-01 05:55:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.60 Mbit/s

95th percentile per-packet one-way delay: 131.933 ms

Loss rate: 6.88%

-- Flow 1:

Average throughput: 50.73 Mbit/s

95th percentile per-packet one-way delay: 131.709 ms

Loss rate: 5.81%

-- Flow 2:

Average throughput: 40.24 Mbit/s

95th percentile per-packet one-way delay: 129.708 ms

Loss rate: 7.92%

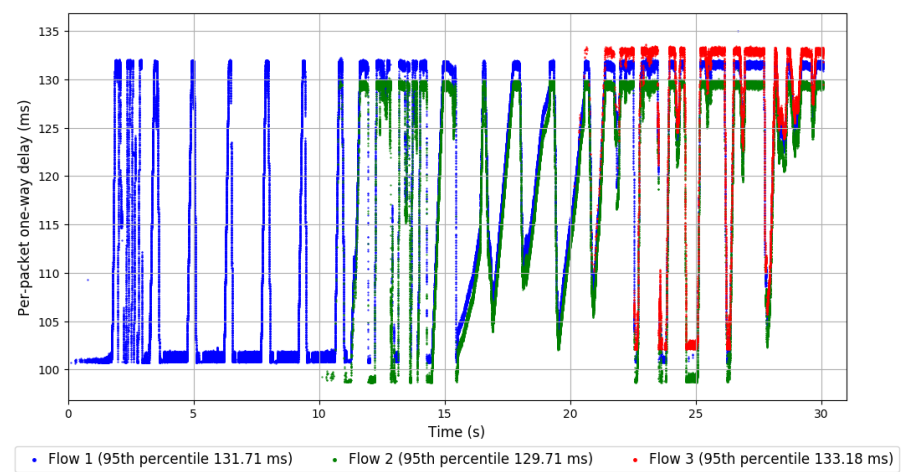
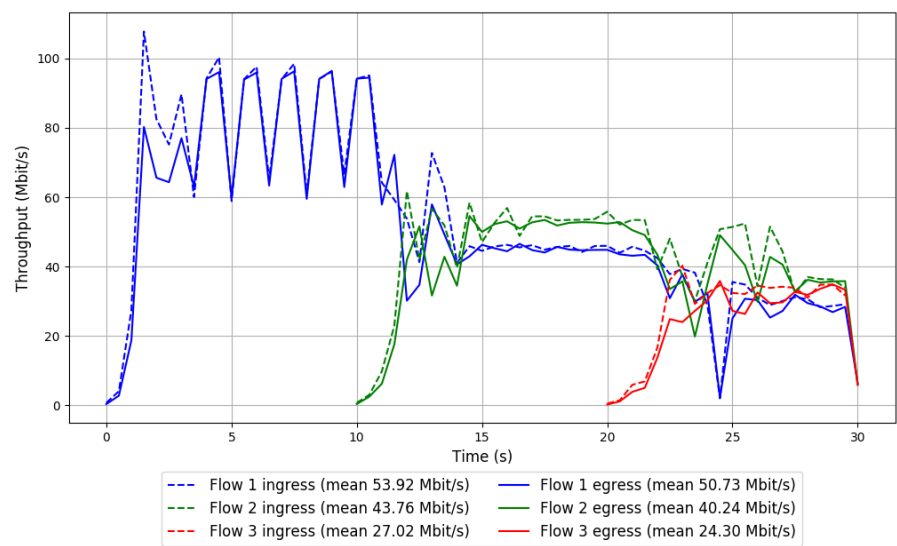
-- Flow 3:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 133.178 ms

Loss rate: 9.98%

Run 6: Report of TCP BBR — Data Link

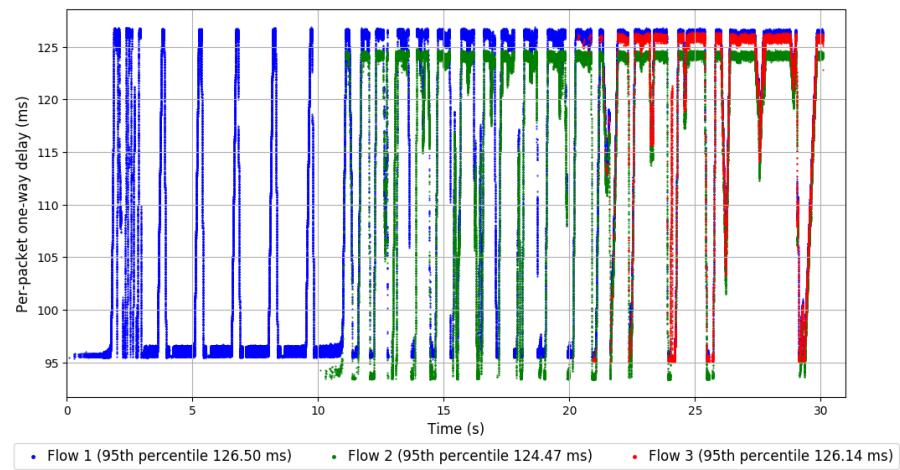
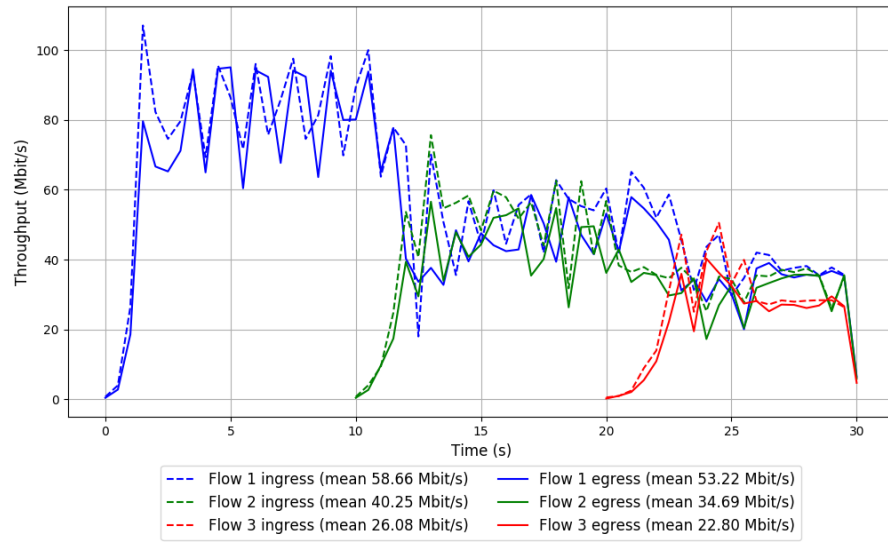


Run 7: Statistics of TCP BBR

Start at: 2018-02-01 04:03:47
End at: 2018-02-01 04:04:17
Local clock offset: -0.339 ms
Remote clock offset: -5.281 ms

Below is generated by plot.py at 2018-02-01 05:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 126.429 ms
Loss rate: 10.75%
-- Flow 1:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 126.497 ms
Loss rate: 9.18%
-- Flow 2:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 124.474 ms
Loss rate: 13.67%
-- Flow 3:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 126.140 ms
Loss rate: 12.33%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-01 04:27:37

End at: 2018-02-01 04:28:07

Local clock offset: -0.287 ms

Remote clock offset: -5.02 ms

Below is generated by plot.py at 2018-02-01 05:55:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 130.452 ms

Loss rate: 7.09%

-- Flow 1:

Average throughput: 50.76 Mbit/s

95th percentile per-packet one-way delay: 126.108 ms

Loss rate: 5.88%

-- Flow 2:

Average throughput: 34.88 Mbit/s

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

Loss rate: 8.40%

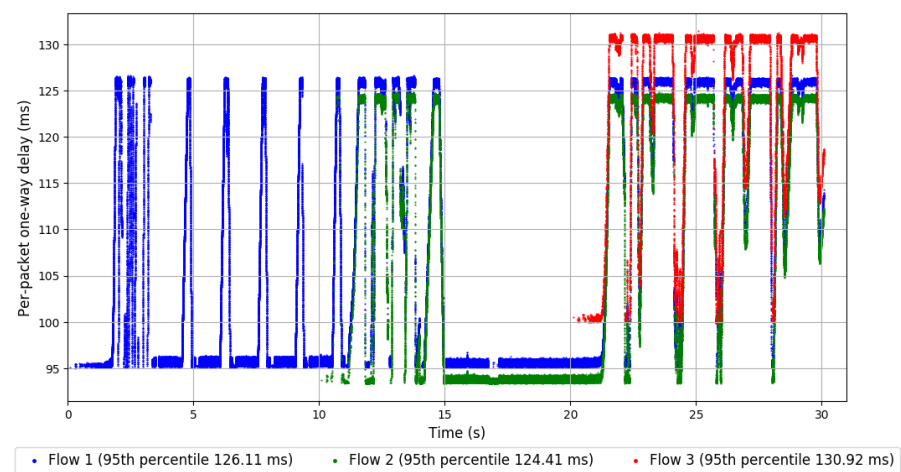
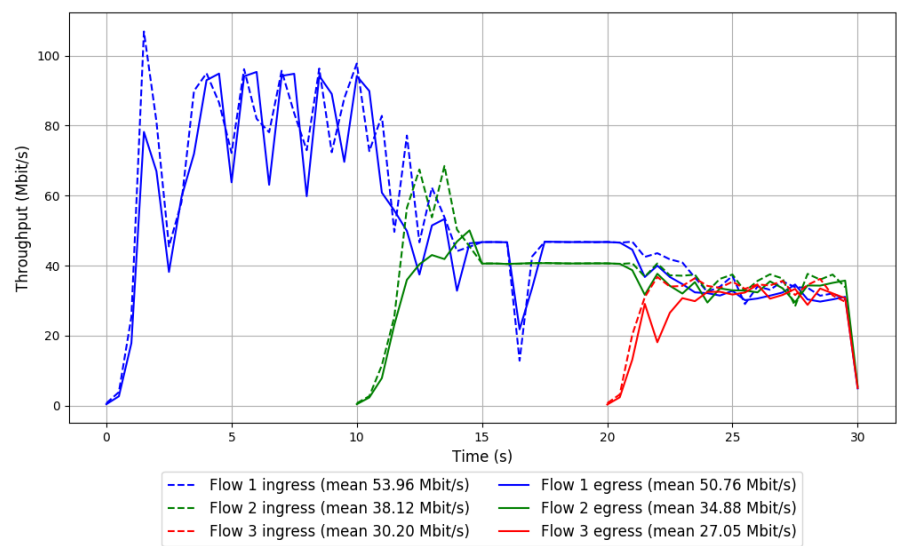
-- Flow 3:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 130.918 ms

Loss rate: 10.30%

Run 8: Report of TCP BBR — Data Link

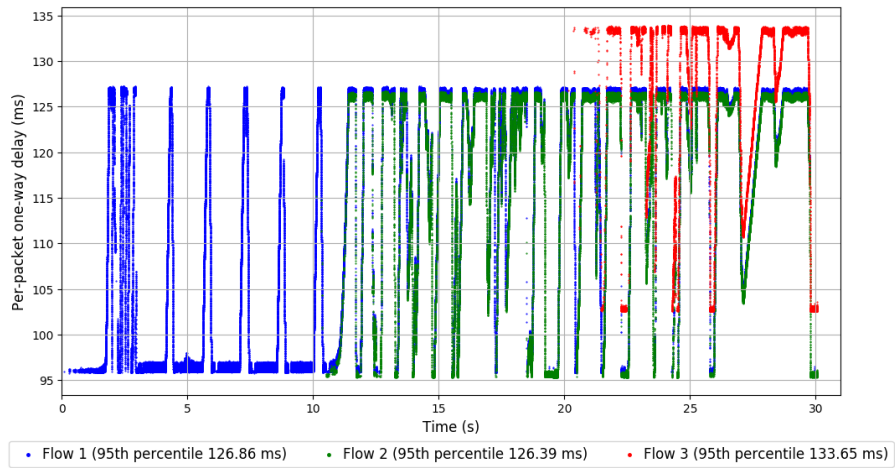
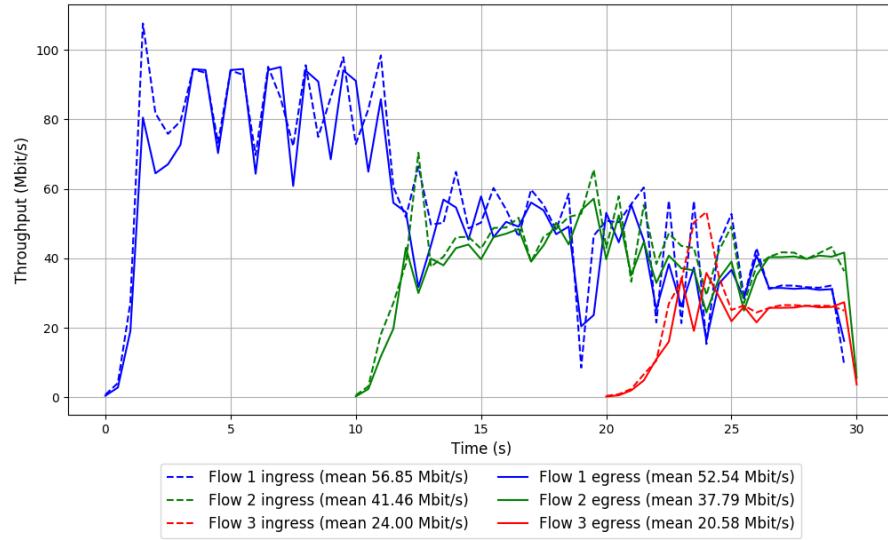


Run 9: Statistics of TCP BBR

Start at: 2018-02-01 04:51:22
End at: 2018-02-01 04:51:52
Local clock offset: -0.288 ms
Remote clock offset: -3.723 ms

Below is generated by plot.py at 2018-02-01 05:56:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.28 Mbit/s
95th percentile per-packet one-way delay: 129.015 ms
Loss rate: 8.58%
-- Flow 1:
Average throughput: 52.54 Mbit/s
95th percentile per-packet one-way delay: 126.864 ms
Loss rate: 7.57%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 126.392 ms
Loss rate: 8.94%
-- Flow 3:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 133.650 ms
Loss rate: 14.49%

Run 9: Report of TCP BBR — Data Link

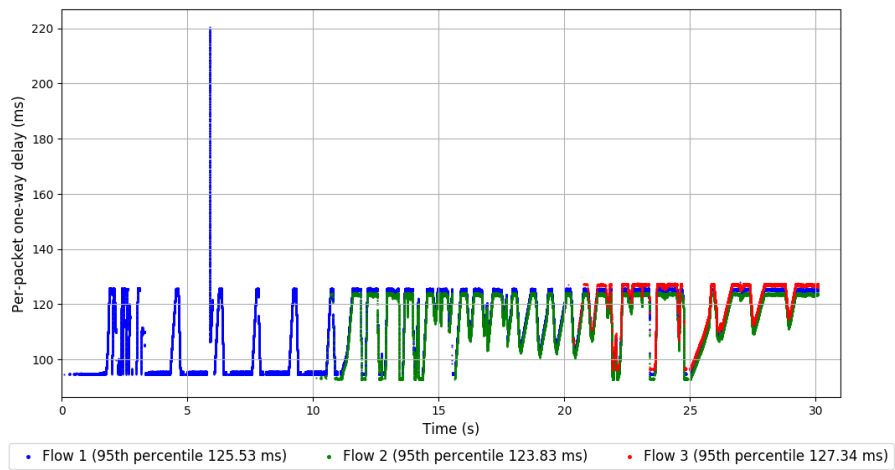
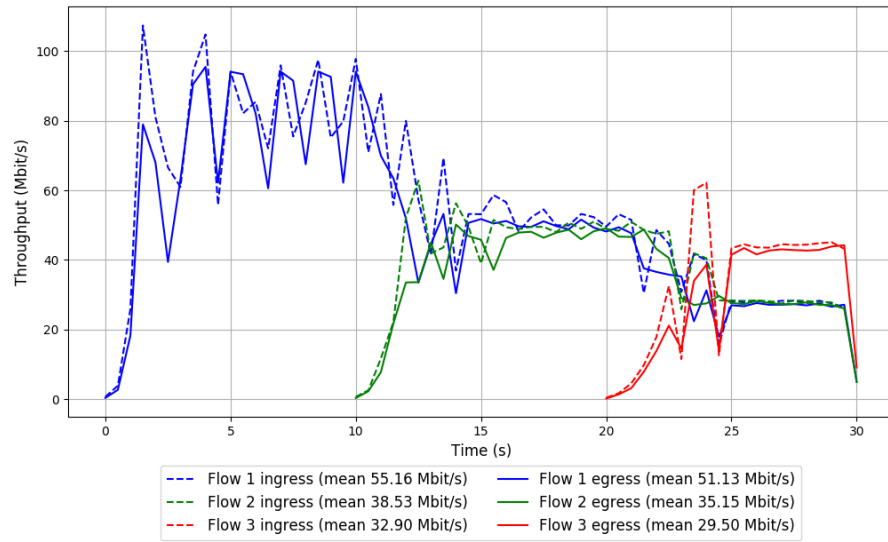


Run 10: Statistics of TCP BBR

Start at: 2018-02-01 05:15:11
End at: 2018-02-01 05:15:41
Local clock offset: -0.294 ms
Remote clock offset: -3.792 ms

Below is generated by plot.py at 2018-02-01 05:56:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 126.935 ms
Loss rate: 7.98%
-- Flow 1:
Average throughput: 51.13 Mbit/s
95th percentile per-packet one-way delay: 125.533 ms
Loss rate: 7.22%
-- Flow 2:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 123.833 ms
Loss rate: 8.62%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 127.339 ms
Loss rate: 10.33%

Run 10: Report of TCP BBR — Data Link

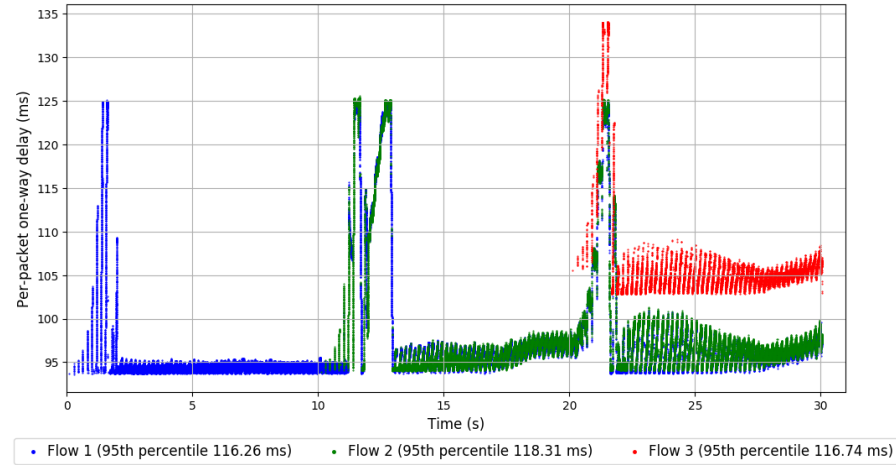
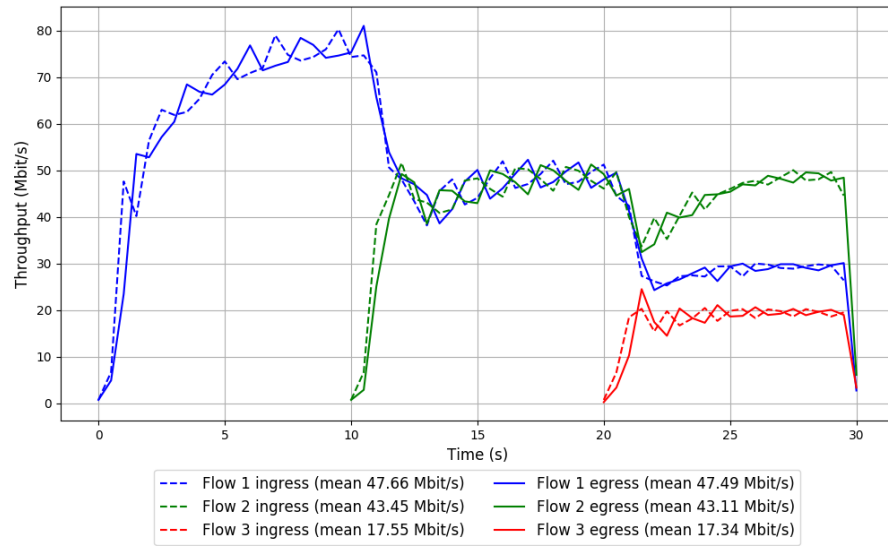


Run 1: Statistics of TCP Cubic

Start at: 2018-02-01 01:35:38
End at: 2018-02-01 01:36:08
Local clock offset: 0.115 ms
Remote clock offset: -3.036 ms

Below is generated by plot.py at 2018-02-01 05:56:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.94 Mbit/s
95th percentile per-packet one-way delay: 117.040 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 116.261 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 118.314 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 17.34 Mbit/s
95th percentile per-packet one-way delay: 116.744 ms
Loss rate: 1.31%

Run 1: Report of TCP Cubic — Data Link

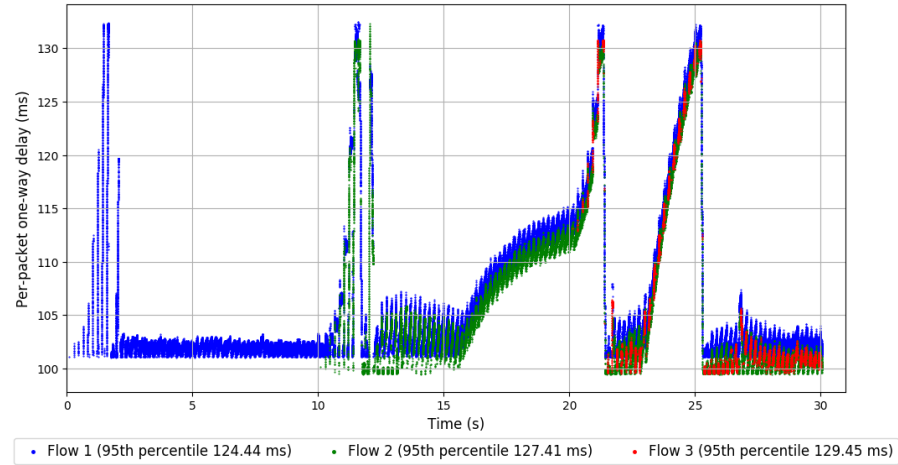
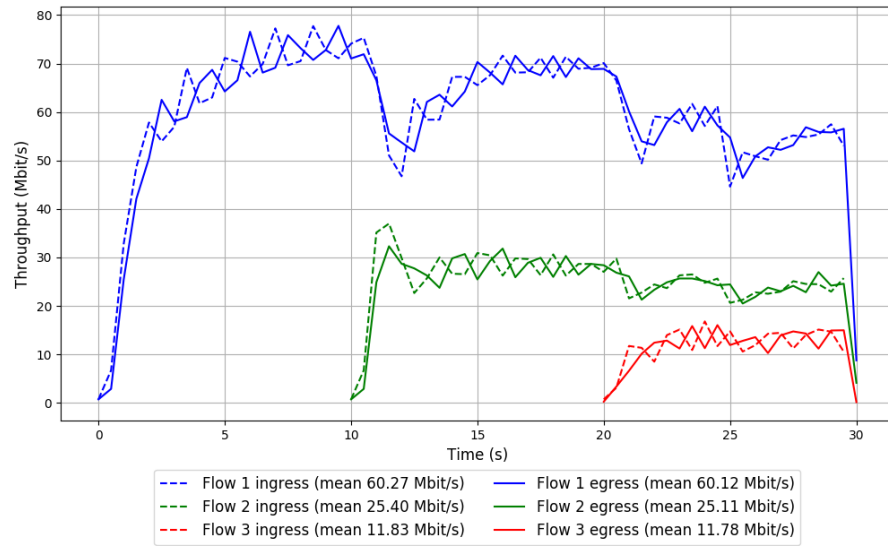


Run 2: Statistics of TCP Cubic

Start at: 2018-02-01 01:59:29
End at: 2018-02-01 01:59:59
Local clock offset: 0.053 ms
Remote clock offset: -1.082 ms

Below is generated by plot.py at 2018-02-01 05:56:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.73 Mbit/s
95th percentile per-packet one-way delay: 125.697 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 124.442 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 25.11 Mbit/s
95th percentile per-packet one-way delay: 127.414 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 129.453 ms
Loss rate: 1.16%

Run 2: Report of TCP Cubic — Data Link

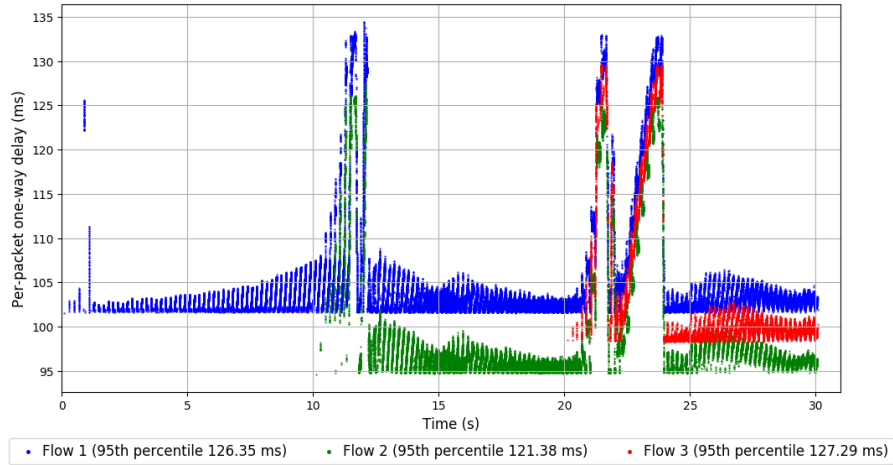
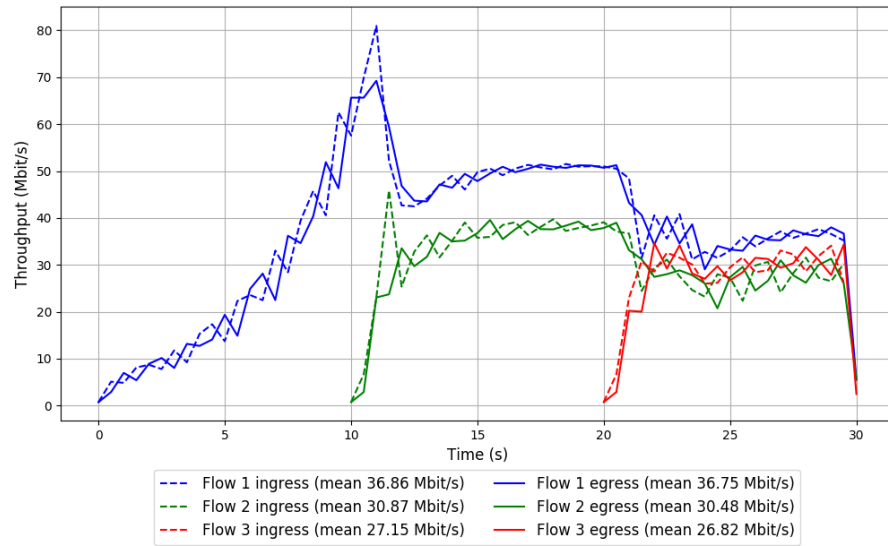


Run 3: Statistics of TCP Cubic

Start at: 2018-02-01 02:23:19
End at: 2018-02-01 02:23:50
Local clock offset: -0.001 ms
Remote clock offset: -6.923 ms

Below is generated by plot.py at 2018-02-01 05:56:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 124.551 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 126.352 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 121.375 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 127.292 ms
Loss rate: 1.24%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-01 02:47:05

End at: 2018-02-01 02:47:35

Local clock offset: 0.018 ms

Remote clock offset: -7.24 ms

Below is generated by plot.py at 2018-02-01 05:56:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.23 Mbit/s

95th percentile per-packet one-way delay: 121.068 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 47.31 Mbit/s

95th percentile per-packet one-way delay: 119.476 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 34.49 Mbit/s

95th percentile per-packet one-way delay: 123.165 ms

Loss rate: 0.84%

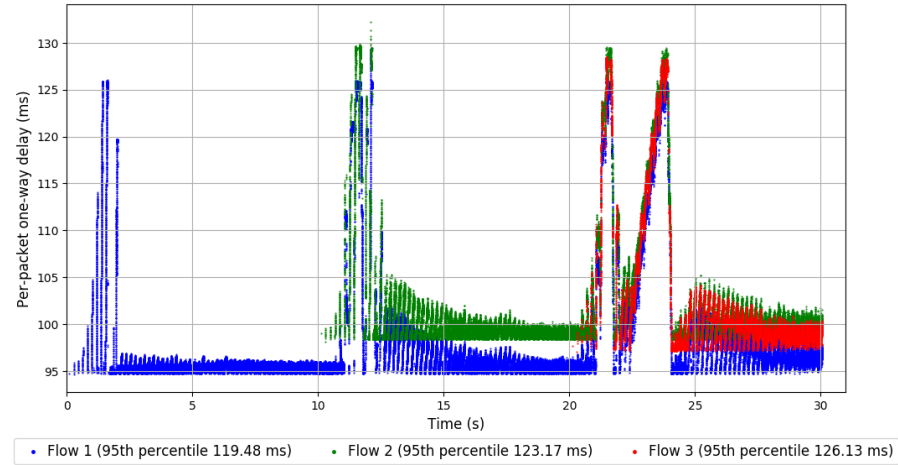
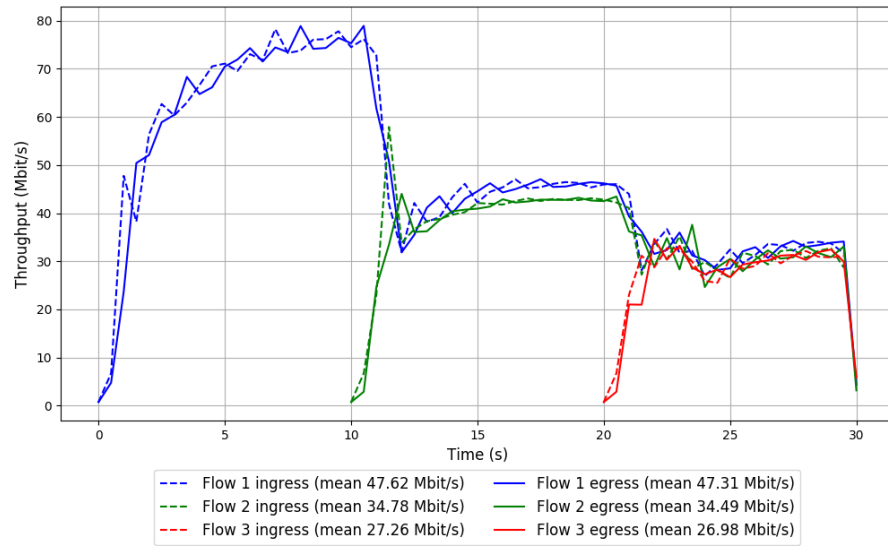
-- Flow 3:

Average throughput: 26.98 Mbit/s

95th percentile per-packet one-way delay: 126.129 ms

Loss rate: 1.02%

Run 4: Report of TCP Cubic — Data Link

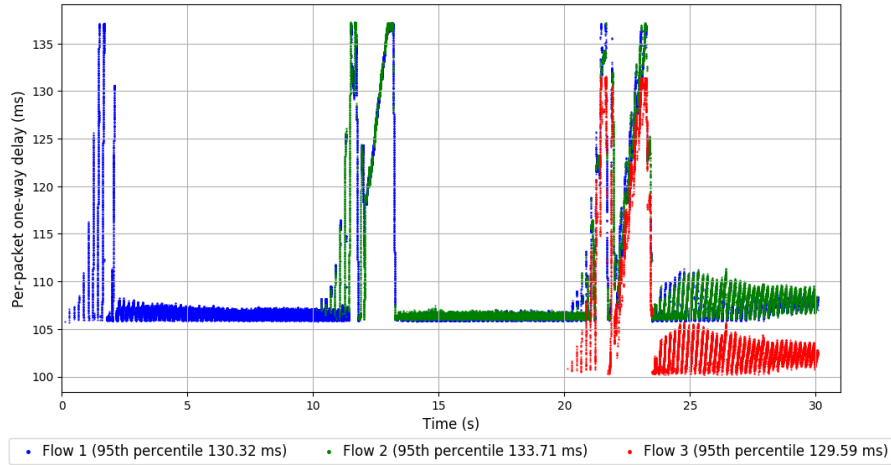
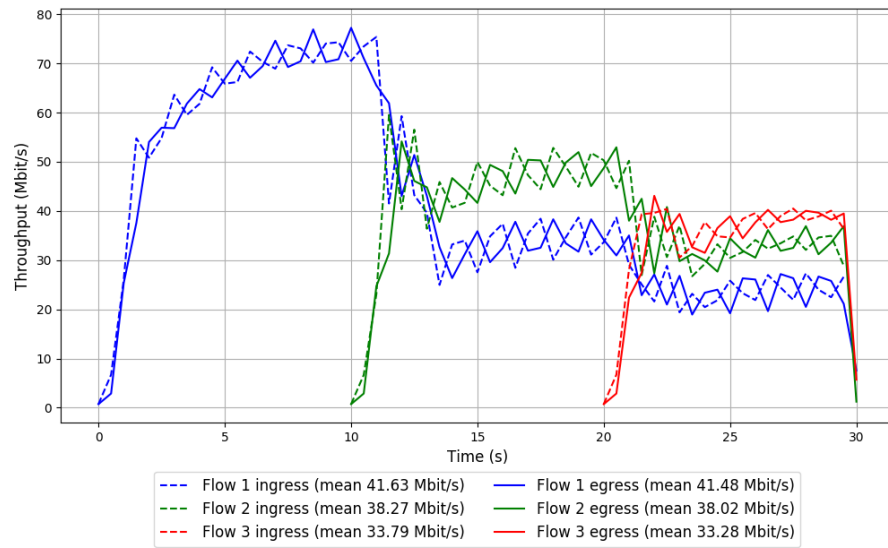


Run 5: Statistics of TCP Cubic

Start at: 2018-02-01 03:10:57
End at: 2018-02-01 03:11:27
Local clock offset: -0.106 ms
Remote clock offset: -0.784 ms

Below is generated by plot.py at 2018-02-01 05:56:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 131.108 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 41.48 Mbit/s
95th percentile per-packet one-way delay: 130.325 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 133.705 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 129.590 ms
Loss rate: 1.50%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-01 03:34:51

End at: 2018-02-01 03:35:21

Local clock offset: -0.212 ms

Remote clock offset: -0.71 ms

Below is generated by plot.py at 2018-02-01 05:56:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.16 Mbit/s

95th percentile per-packet one-way delay: 125.081 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 36.68 Mbit/s

95th percentile per-packet one-way delay: 121.357 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 133.062 ms

Loss rate: 1.49%

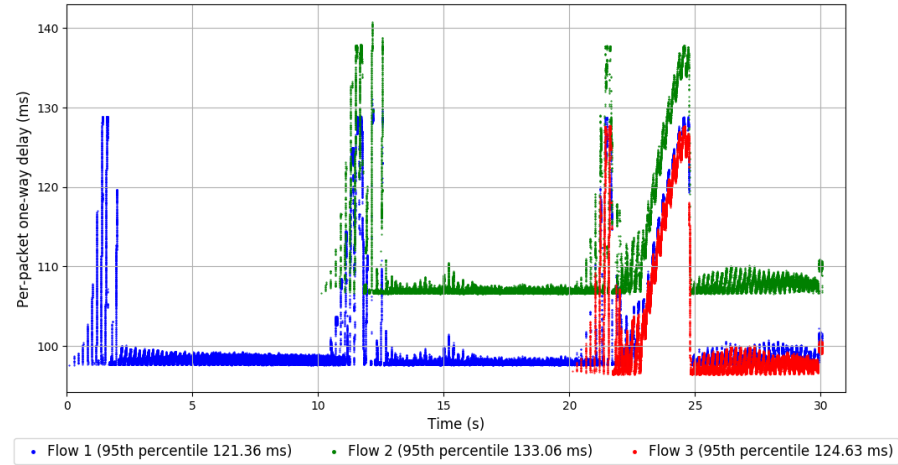
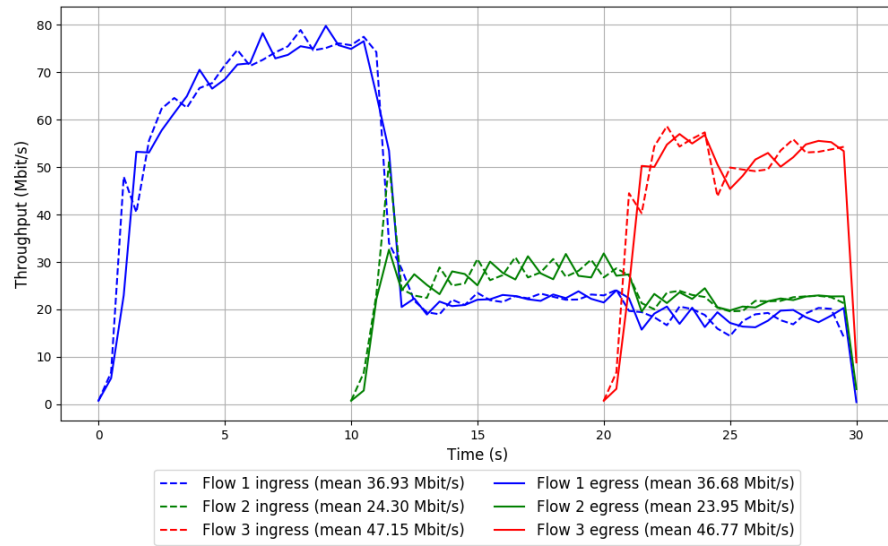
-- Flow 3:

Average throughput: 46.77 Mbit/s

95th percentile per-packet one-way delay: 124.627 ms

Loss rate: 0.78%

Run 6: Report of TCP Cubic — Data Link

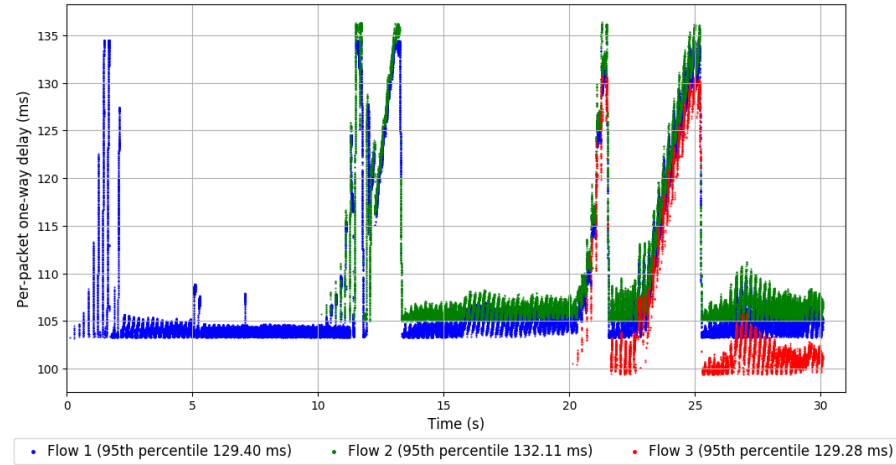
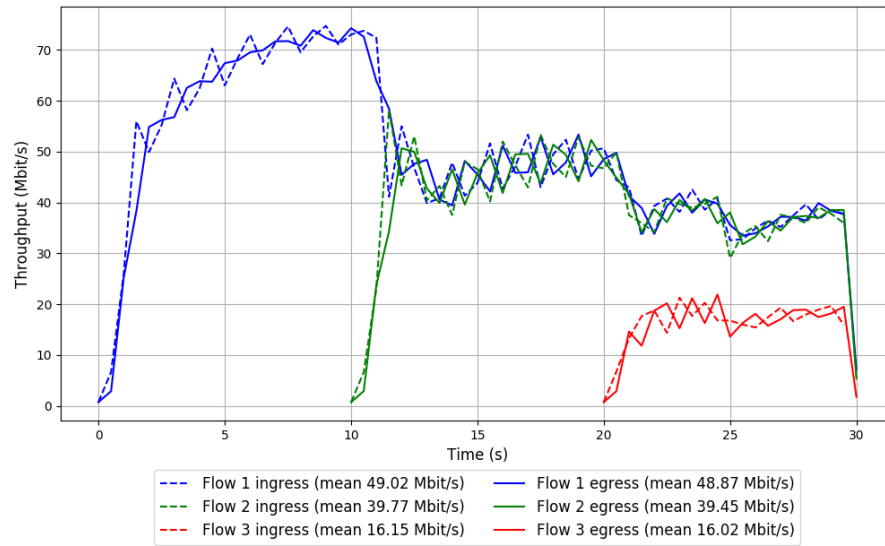


Run 7: Statistics of TCP Cubic

Start at: 2018-02-01 03:58:41
End at: 2018-02-01 03:59:11
Local clock offset: -0.265 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2018-02-01 05:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 130.421 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 129.404 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 132.109 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 129.276 ms
Loss rate: 0.76%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-01 04:22:31

End at: 2018-02-01 04:23:01

Local clock offset: -0.28 ms

Remote clock offset: 1.446 ms

Below is generated by plot.py at 2018-02-01 05:57:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.72 Mbit/s

95th percentile per-packet one-way delay: 127.383 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 47.13 Mbit/s

95th percentile per-packet one-way delay: 123.821 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 35.50 Mbit/s

95th percentile per-packet one-way delay: 128.802 ms

Loss rate: 0.95%

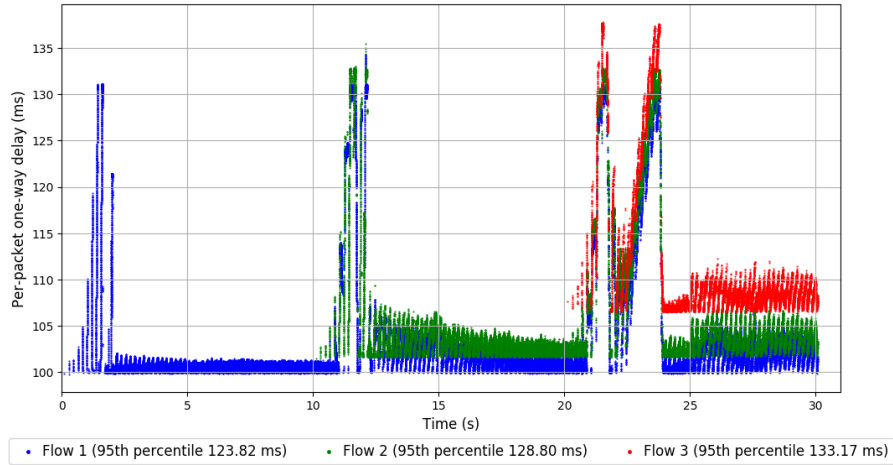
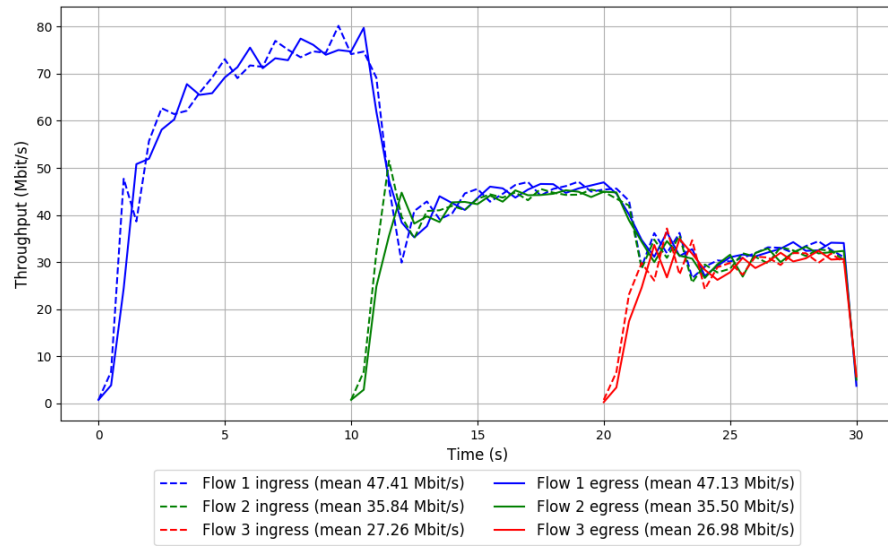
-- Flow 3:

Average throughput: 26.98 Mbit/s

95th percentile per-packet one-way delay: 133.174 ms

Loss rate: 1.05%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-01 04:46:17

End at: 2018-02-01 04:46:47

Local clock offset: -0.284 ms

Remote clock offset: 0.991 ms

Below is generated by plot.py at 2018-02-01 05:57:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.73 Mbit/s

95th percentile per-packet one-way delay: 126.781 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 125.101 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 43.91 Mbit/s

95th percentile per-packet one-way delay: 127.859 ms

Loss rate: 0.52%

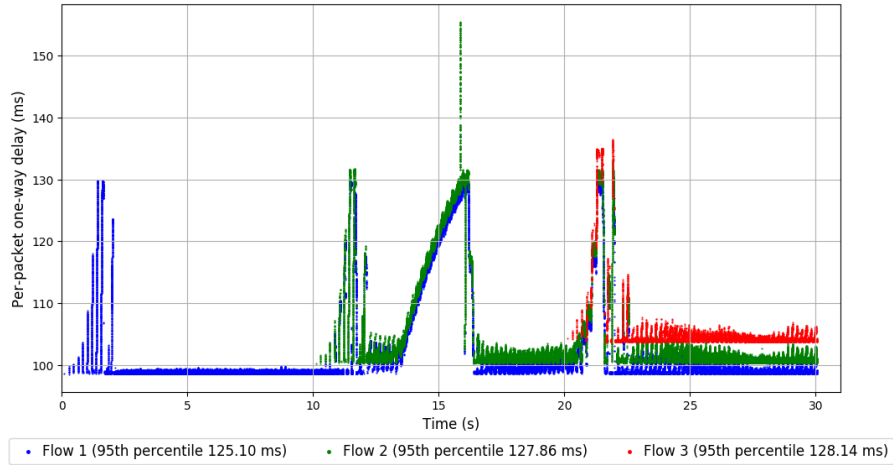
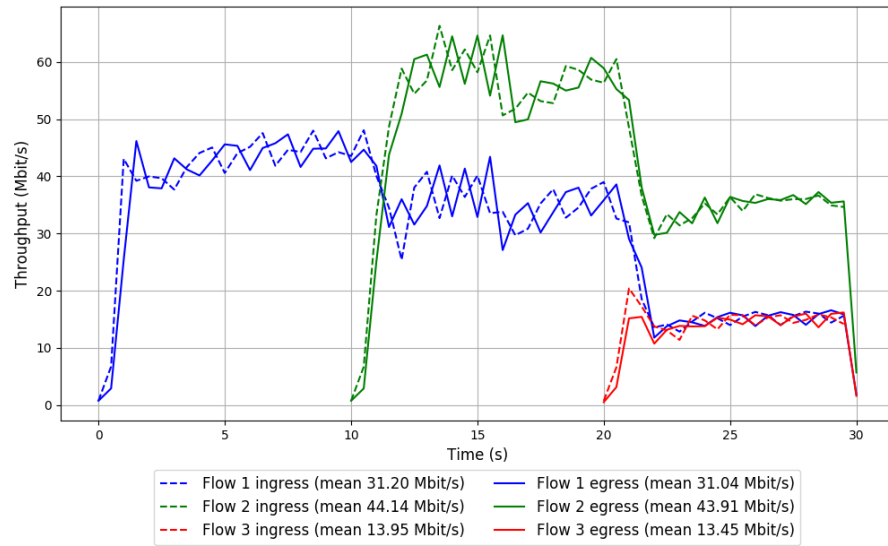
-- Flow 3:

Average throughput: 13.45 Mbit/s

95th percentile per-packet one-way delay: 128.143 ms

Loss rate: 3.61%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-01 05:10:04

End at: 2018-02-01 05:10:34

Local clock offset: -0.328 ms

Remote clock offset: 1.998 ms

Below is generated by plot.py at 2018-02-01 05:57:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.86 Mbit/s

95th percentile per-packet one-way delay: 128.678 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 49.67 Mbit/s

95th percentile per-packet one-way delay: 127.278 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 40.27 Mbit/s

95th percentile per-packet one-way delay: 130.134 ms

Loss rate: 0.79%

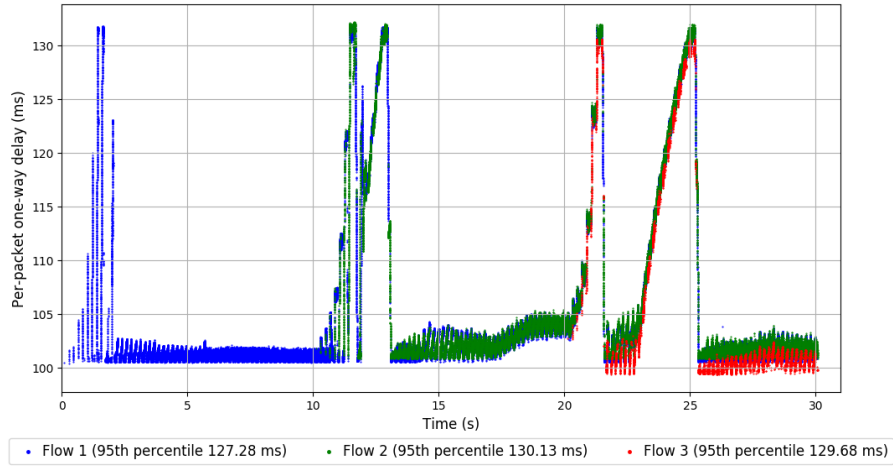
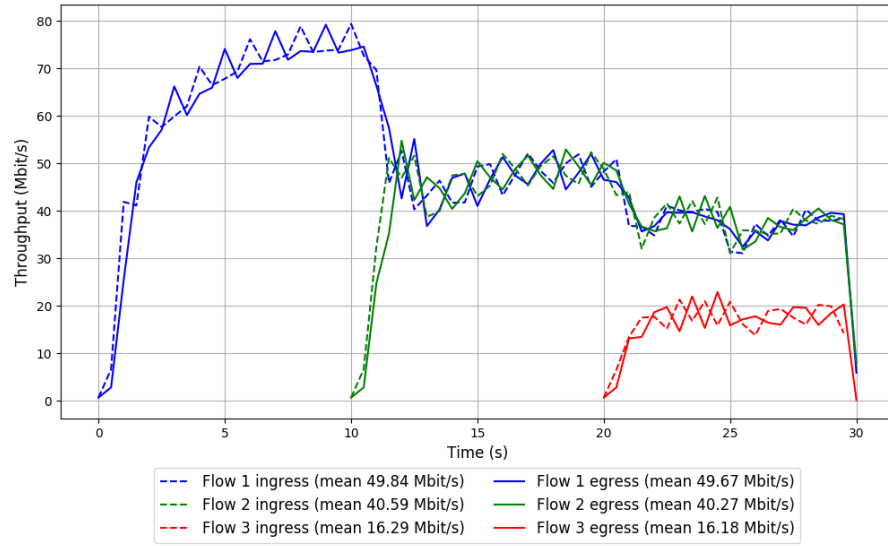
-- Flow 3:

Average throughput: 16.18 Mbit/s

95th percentile per-packet one-way delay: 129.677 ms

Loss rate: 0.70%

Run 10: Report of TCP Cubic — Data Link

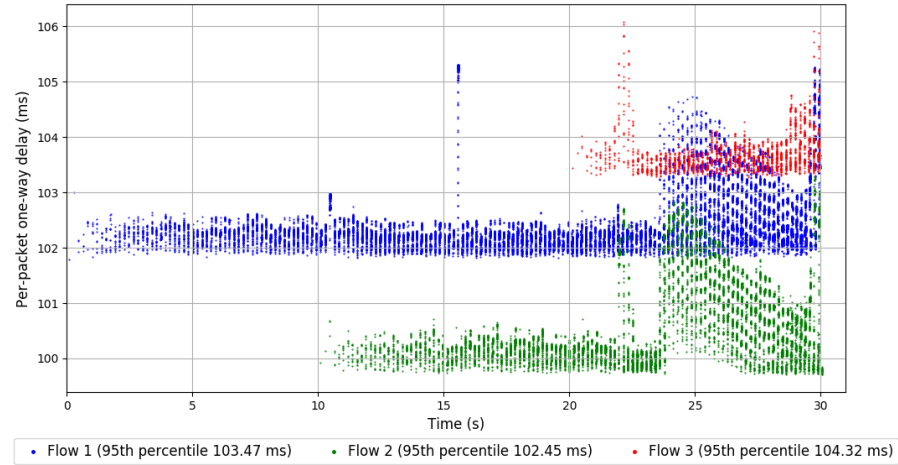
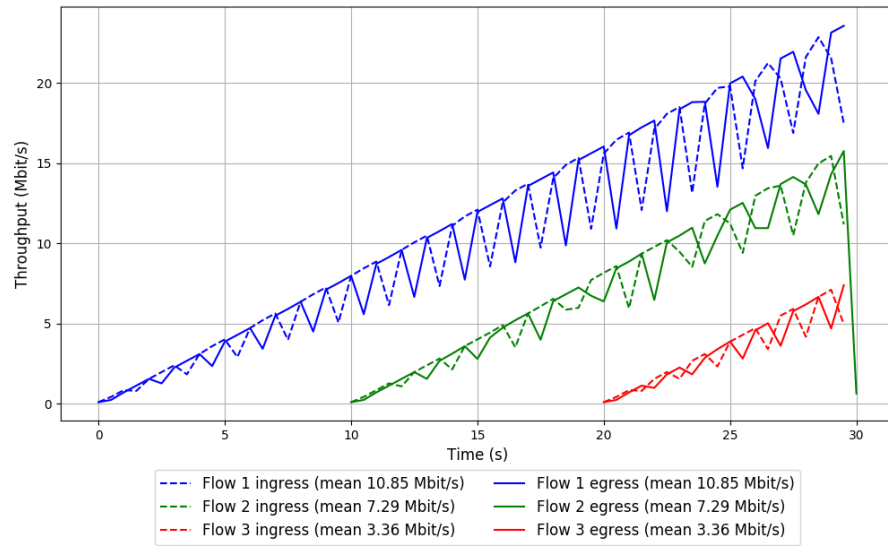


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-01 01:48:50
End at: 2018-02-01 01:49:20
Local clock offset: 0.026 ms
Remote clock offset: 1.726 ms

# Below is generated by plot.py at 2018-02-01 05:57:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 103.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 103.468 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 102.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 104.322 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

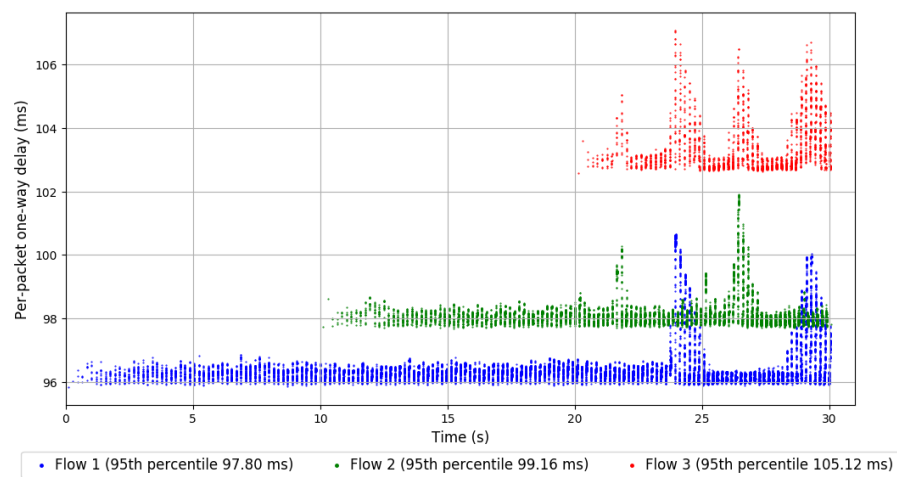
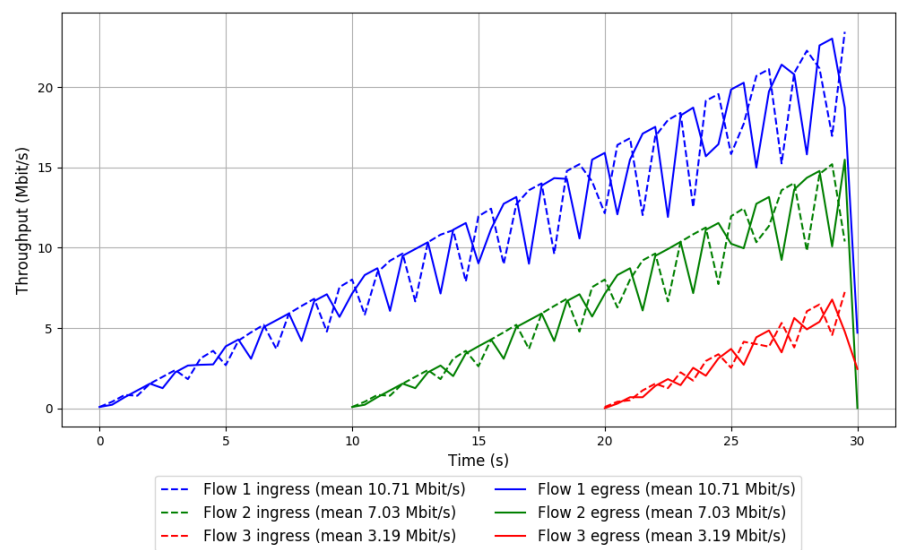


Run 2: Statistics of LEDBAT

Start at: 2018-02-01 02:12:40
End at: 2018-02-01 02:13:10
Local clock offset: 0.002 ms
Remote clock offset: -5.868 ms

Below is generated by plot.py at 2018-02-01 05:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 102.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 97.801 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 99.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 105.125 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

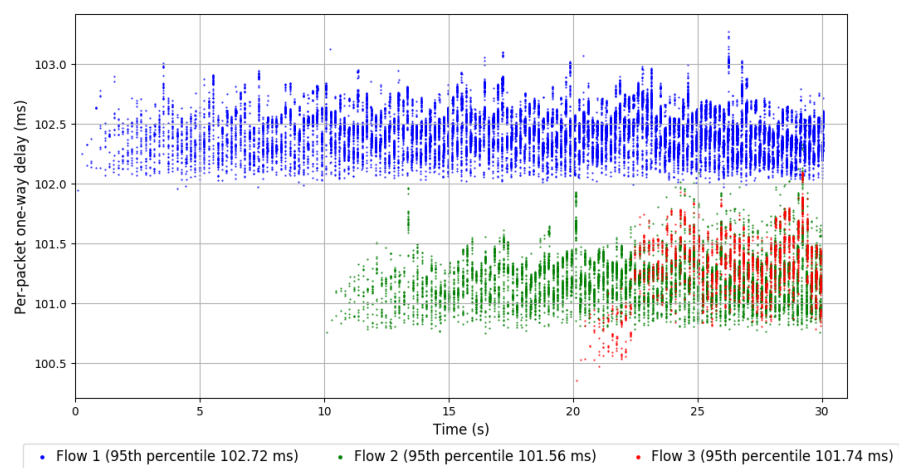
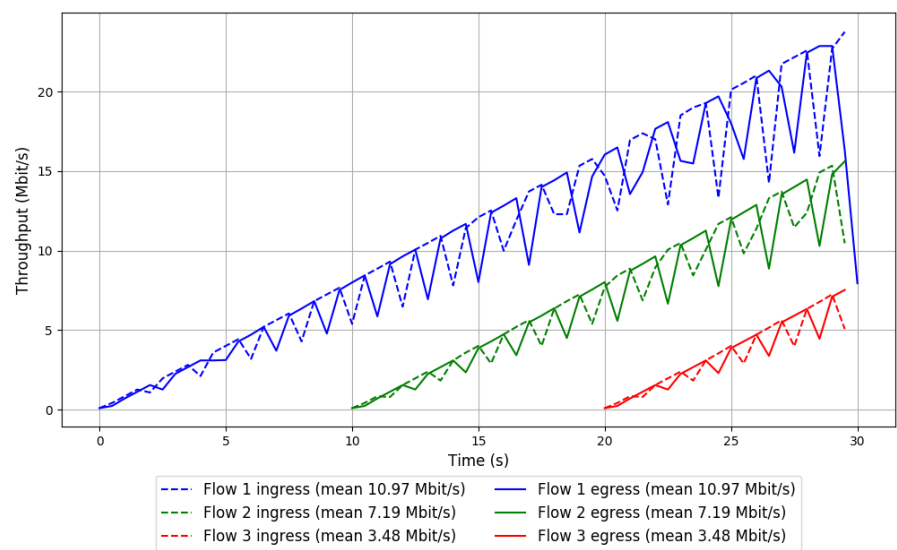


Run 3: Statistics of LEDBAT

Start at: 2018-02-01 02:36:28
End at: 2018-02-01 02:36:58
Local clock offset: 0.003 ms
Remote clock offset: -1.381 ms

Below is generated by plot.py at 2018-02-01 05:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.88 Mbit/s
95th percentile per-packet one-way delay: 102.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 102.722 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 101.563 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 101.743 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

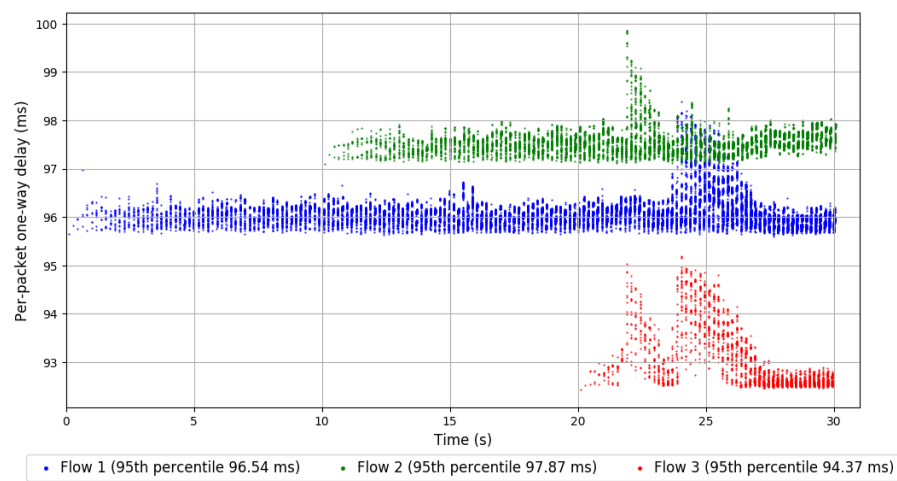
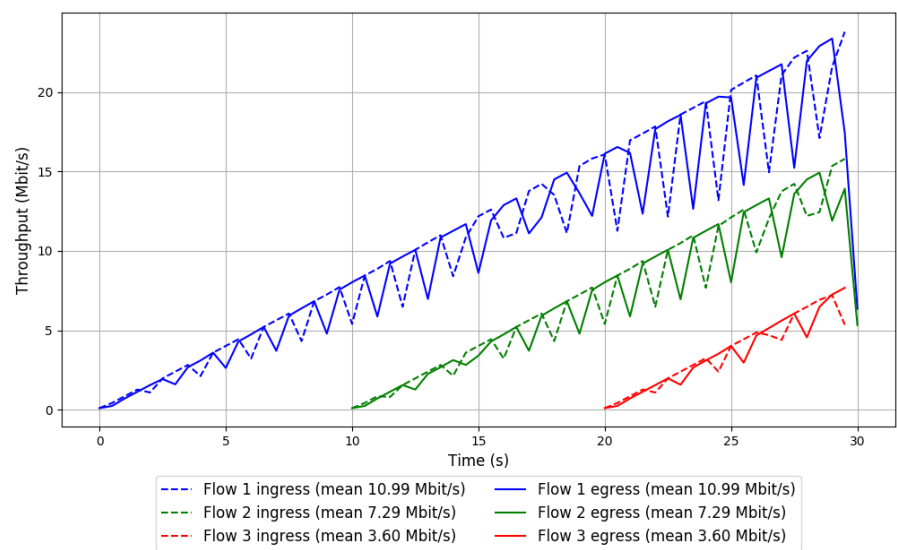


Run 4: Statistics of LEDBAT

Start at: 2018-02-01 03:00:17
End at: 2018-02-01 03:00:47
Local clock offset: -0.065 ms
Remote clock offset: -6.018 ms

Below is generated by plot.py at 2018-02-01 05:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 97.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 96.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 97.866 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 94.372 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

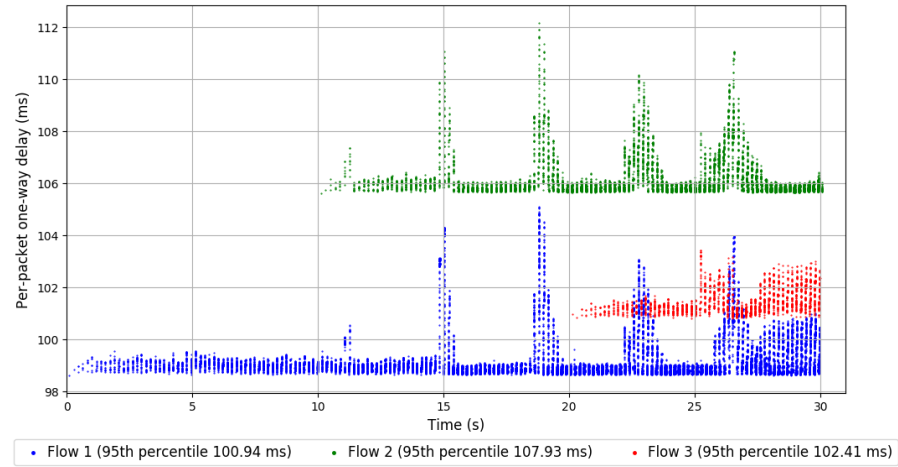
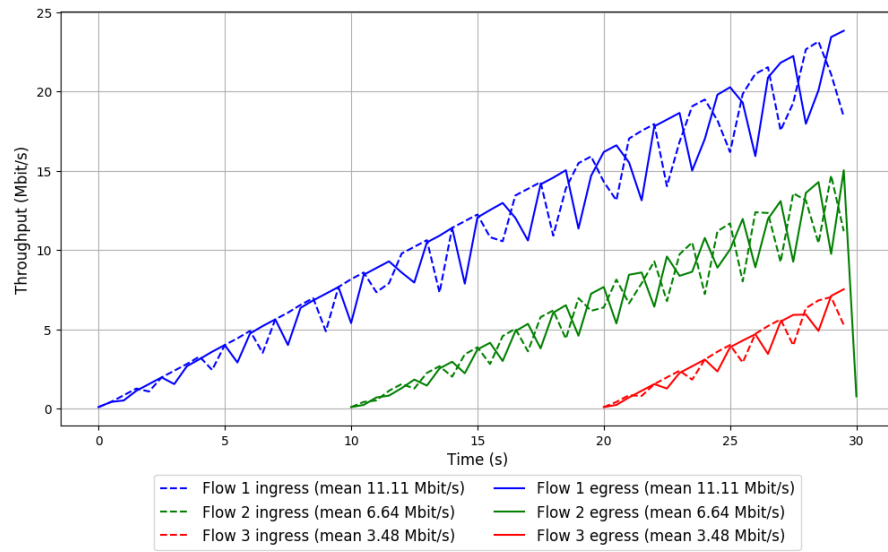


Run 5: Statistics of LEDBAT

Start at: 2018-02-01 03:24:10
End at: 2018-02-01 03:24:40
Local clock offset: -0.147 ms
Remote clock offset: -0.531 ms

Below is generated by plot.py at 2018-02-01 05:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 106.400 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 100.935 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 107.927 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 102.410 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

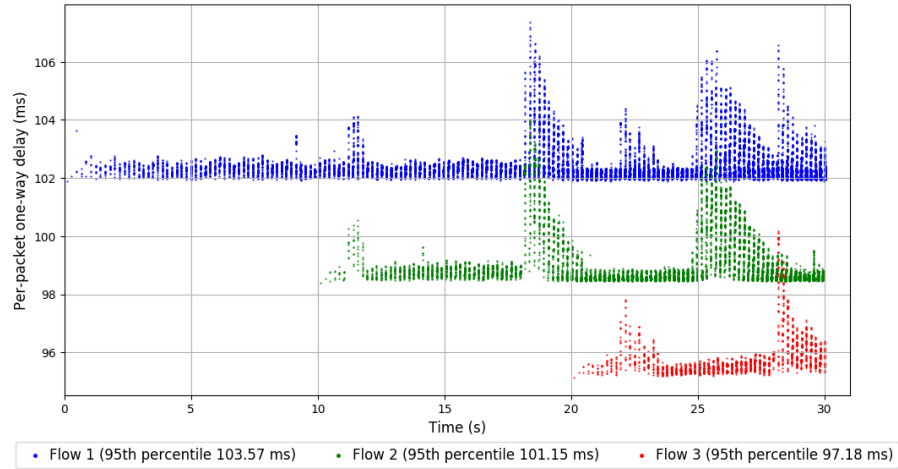
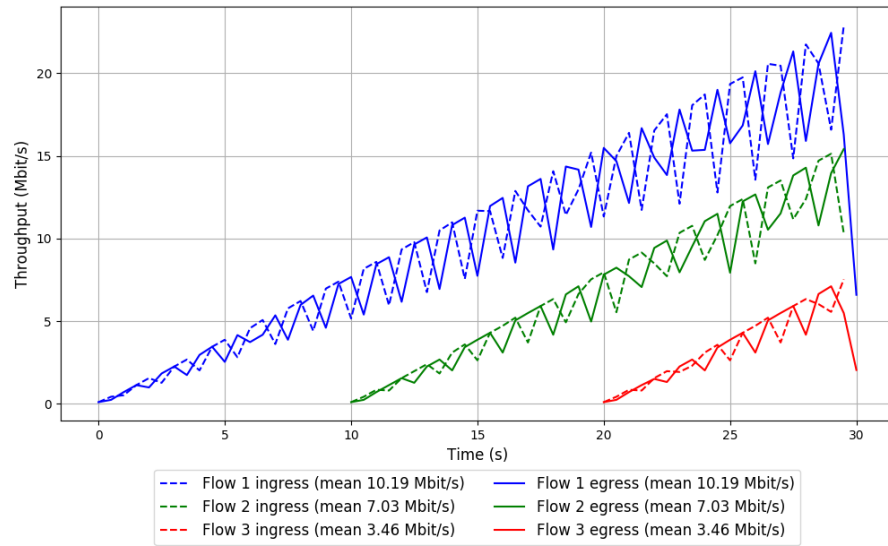


Run 6: Statistics of LEDBAT

Start at: 2018-02-01 03:47:58
End at: 2018-02-01 03:48:28
Local clock offset: -0.297 ms
Remote clock offset: -5.422 ms

Below is generated by plot.py at 2018-02-01 05:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 103.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 103.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 101.153 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 97.177 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

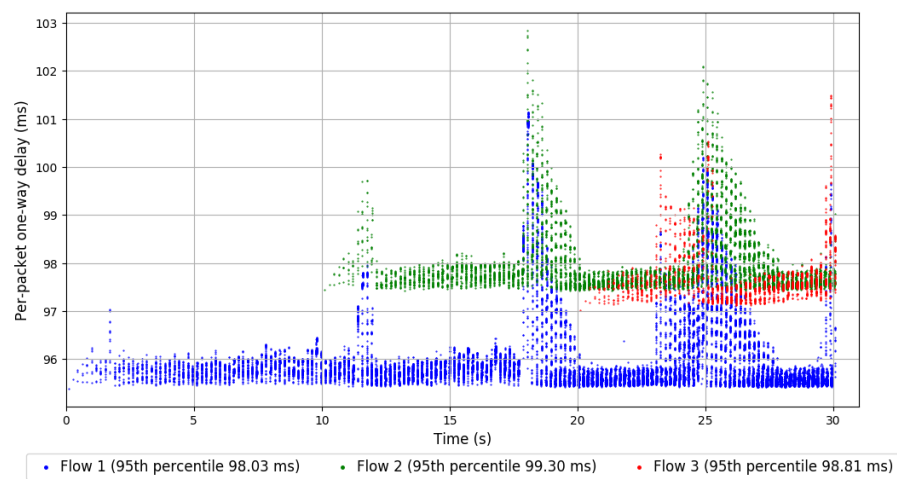
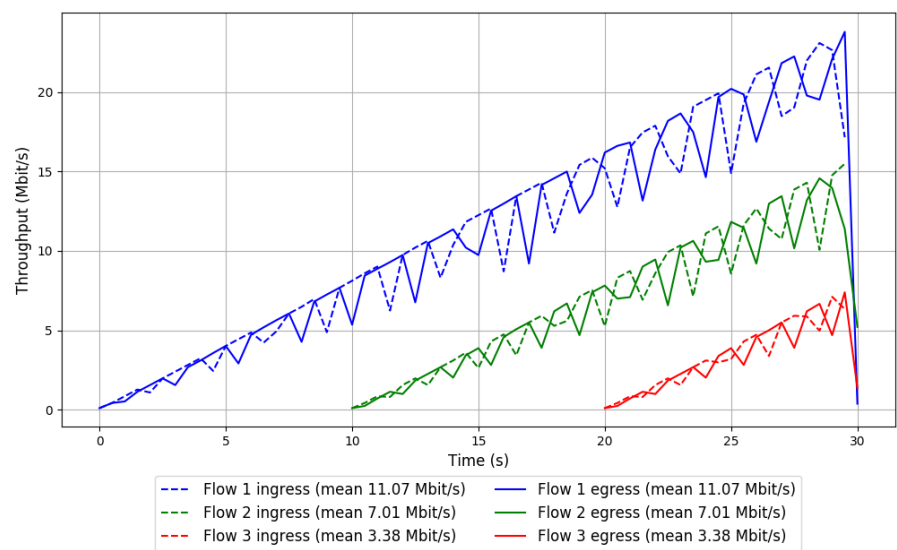


Run 7: Statistics of LEDBAT

Start at: 2018-02-01 04:11:51
End at: 2018-02-01 04:12:21
Local clock offset: -0.341 ms
Remote clock offset: -4.142 ms

Below is generated by plot.py at 2018-02-01 05:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.86 Mbit/s
95th percentile per-packet one-way delay: 98.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 98.033 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 99.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 98.813 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

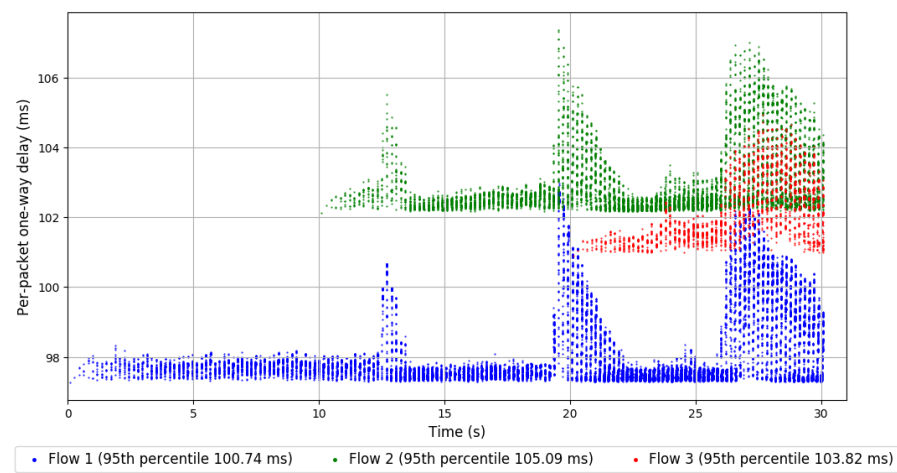
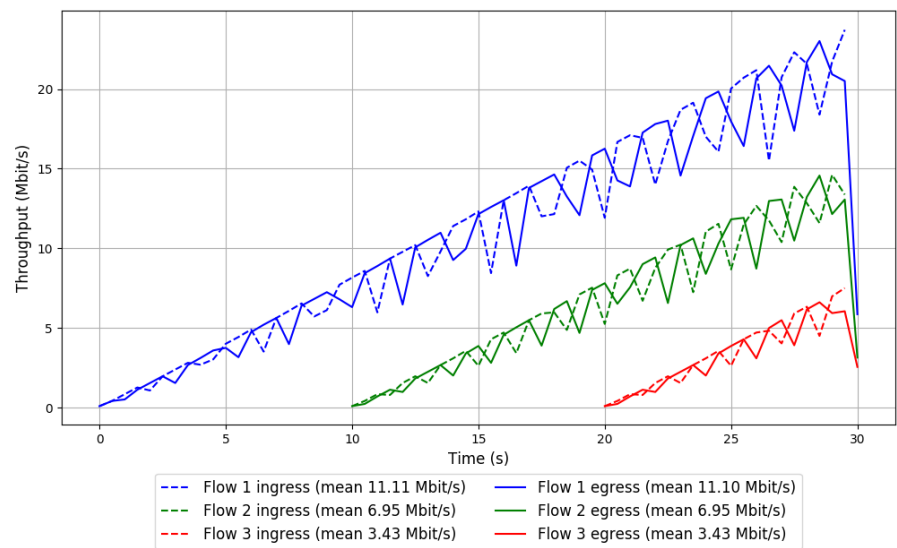


Run 8: Statistics of LEDBAT

Start at: 2018-02-01 04:35:39
End at: 2018-02-01 04:36:09
Local clock offset: -0.278 ms
Remote clock offset: 0.622 ms

Below is generated by plot.py at 2018-02-01 05:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 103.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 100.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 105.087 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 103.818 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

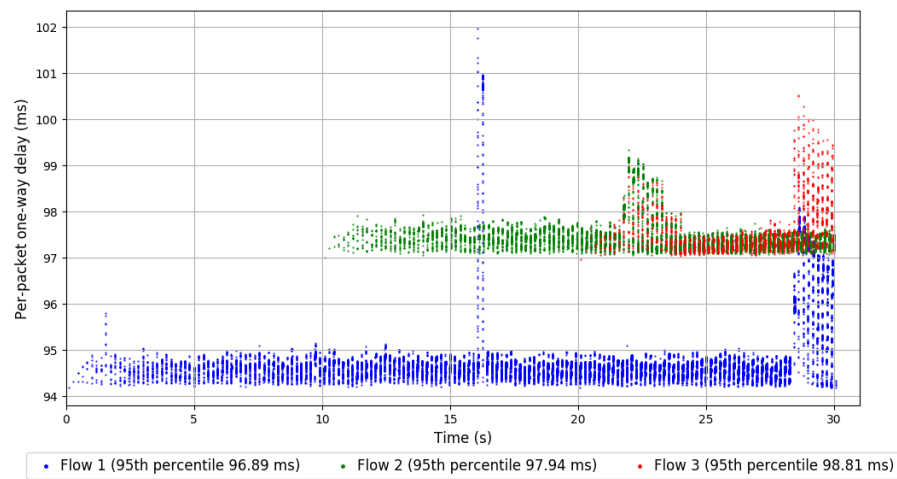
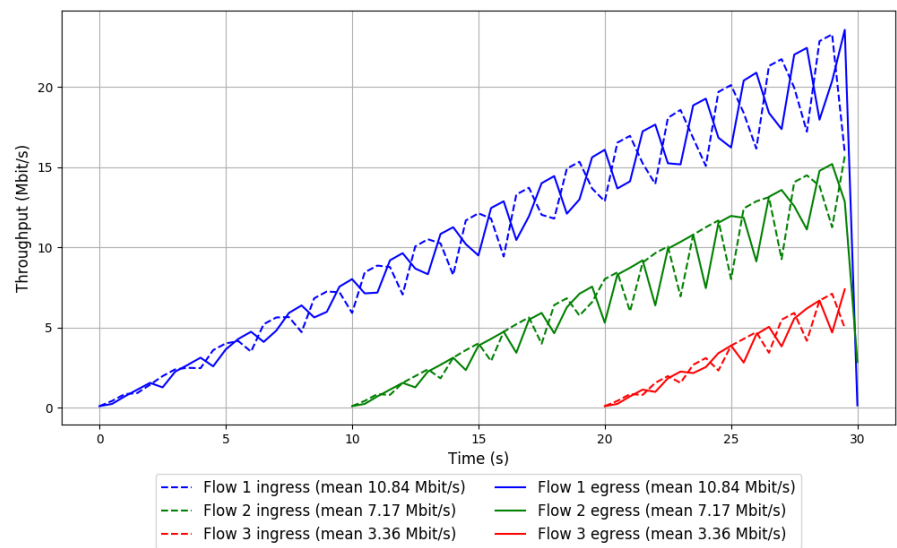


Run 9: Statistics of LEDBAT

Start at: 2018-02-01 04:59:23
End at: 2018-02-01 04:59:53
Local clock offset: -0.316 ms
Remote clock offset: -3.354 ms

Below is generated by plot.py at 2018-02-01 05:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.70 Mbit/s
95th percentile per-packet one-way delay: 97.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 96.887 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 97.941 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 98.810 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

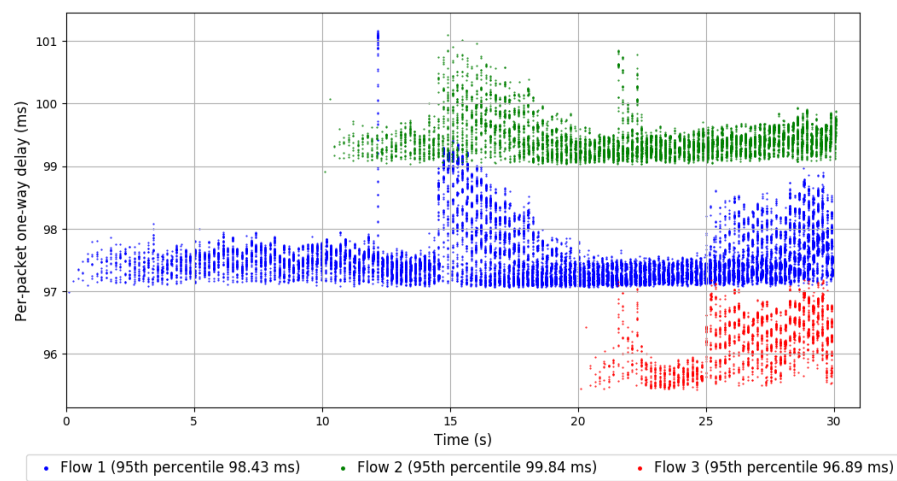
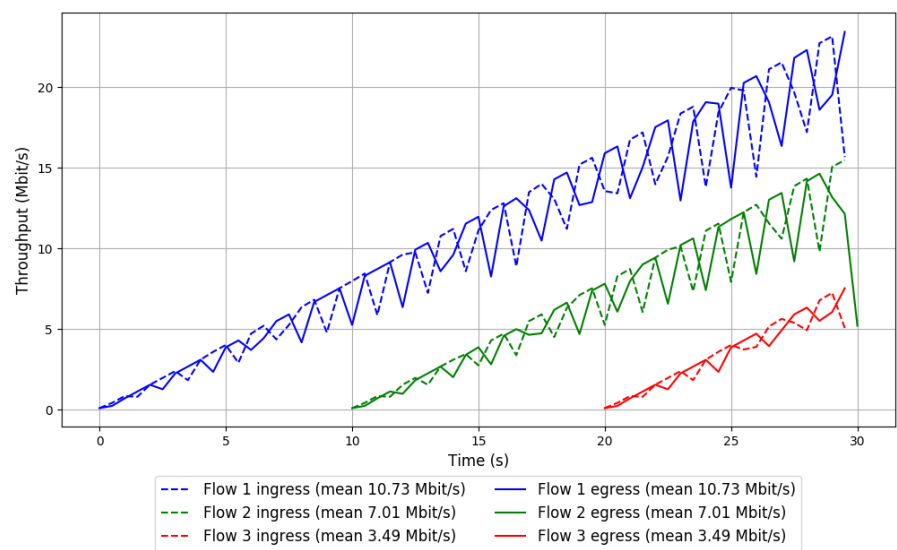


Run 10: Statistics of LEDBAT

Start at: 2018-02-01 05:23:14
End at: 2018-02-01 05:23:44
Local clock offset: -0.323 ms
Remote clock offset: -3.092 ms

Below is generated by plot.py at 2018-02-01 05:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 99.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 98.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 99.840 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 96.895 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

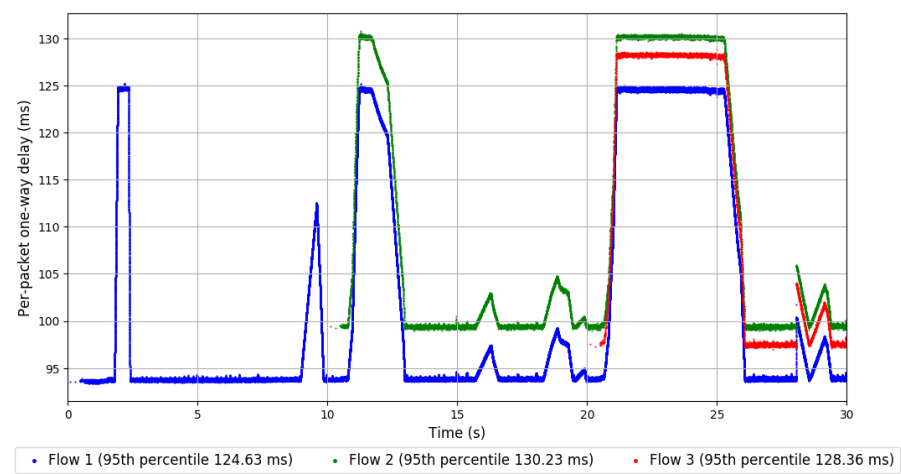
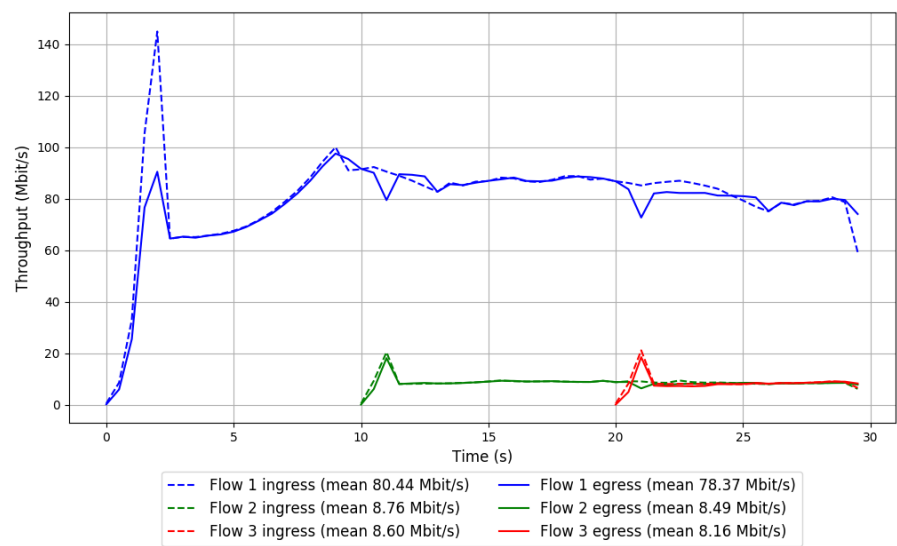


Run 1: Statistics of PCC

Start at: 2018-02-01 01:44:47
End at: 2018-02-01 01:45:17
Local clock offset: 0.136 ms
Remote clock offset: -4.004 ms

Below is generated by plot.py at 2018-02-01 05:58:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 124.699 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 124.630 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 130.229 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 128.359 ms
Loss rate: 5.20%

Run 1: Report of PCC — Data Link

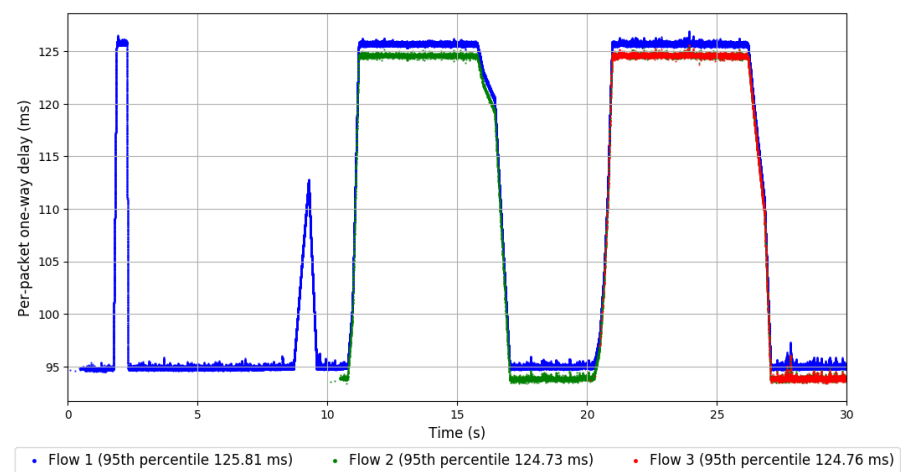
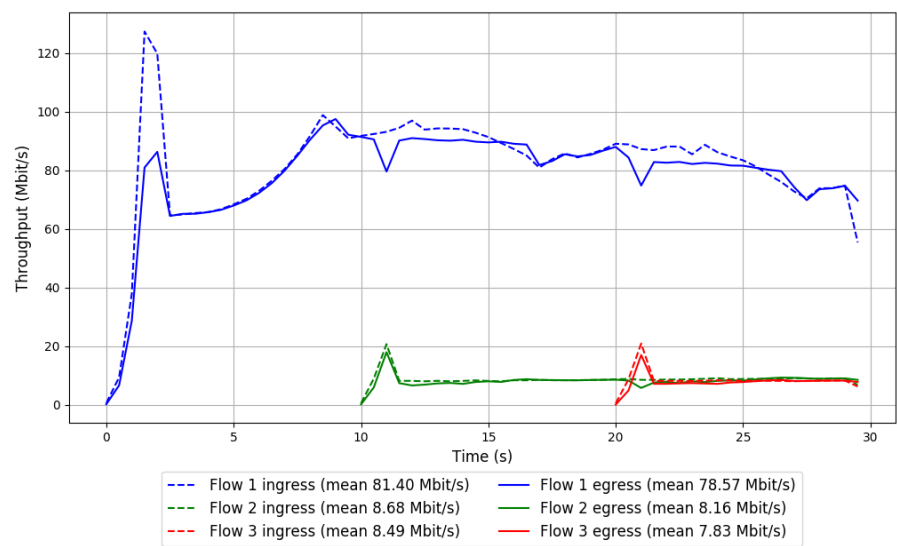


Run 2: Statistics of PCC

Start at: 2018-02-01 02:08:38
End at: 2018-02-01 02:09:08
Local clock offset: -0.048 ms
Remote clock offset: -6.271 ms

Below is generated by plot.py at 2018-02-01 05:58:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 125.808 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 78.57 Mbit/s
95th percentile per-packet one-way delay: 125.815 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 124.732 ms
Loss rate: 5.99%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 124.756 ms
Loss rate: 7.81%

Run 2: Report of PCC — Data Link

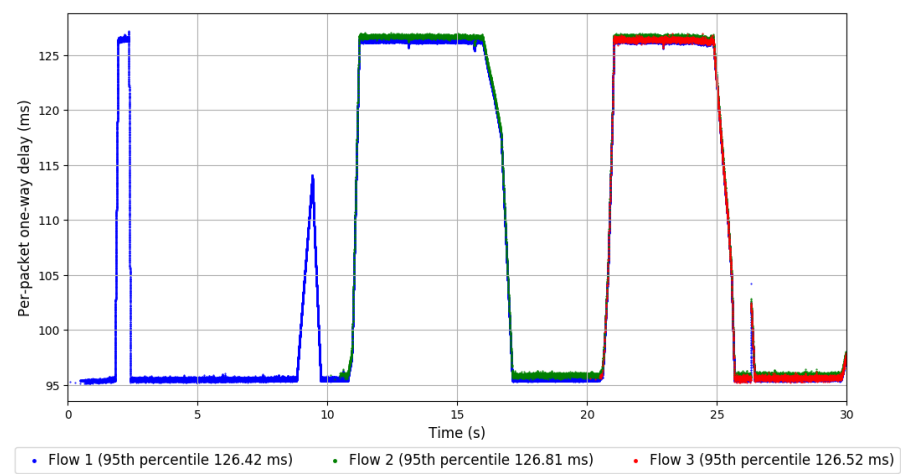
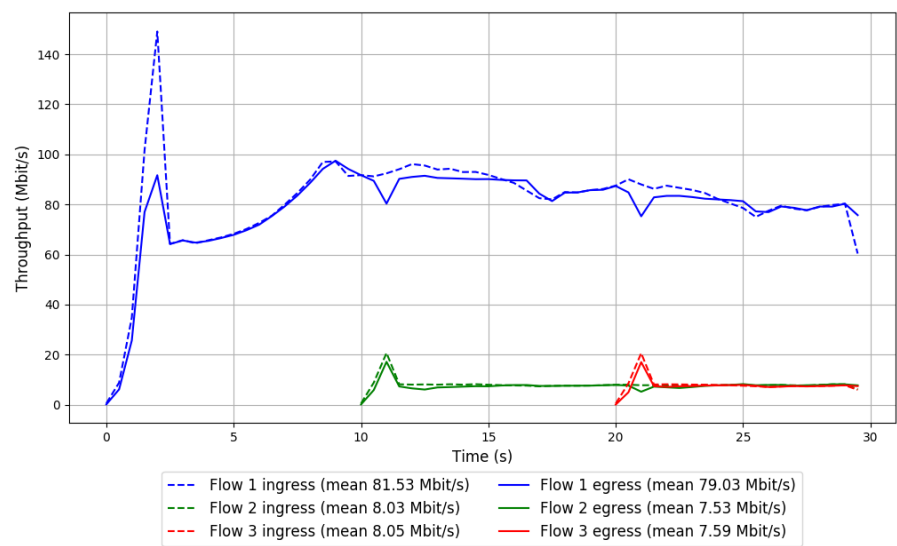


Run 3: Statistics of PCC

Start at: 2018-02-01 02:32:26
End at: 2018-02-01 02:32:56
Local clock offset: 0.029 ms
Remote clock offset: -6.184 ms

Below is generated by plot.py at 2018-02-01 05:58:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 126.460 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 79.03 Mbit/s
95th percentile per-packet one-way delay: 126.425 ms
Loss rate: 3.06%
-- Flow 2:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 126.807 ms
Loss rate: 6.24%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 126.519 ms
Loss rate: 5.72%

Run 3: Report of PCC — Data Link

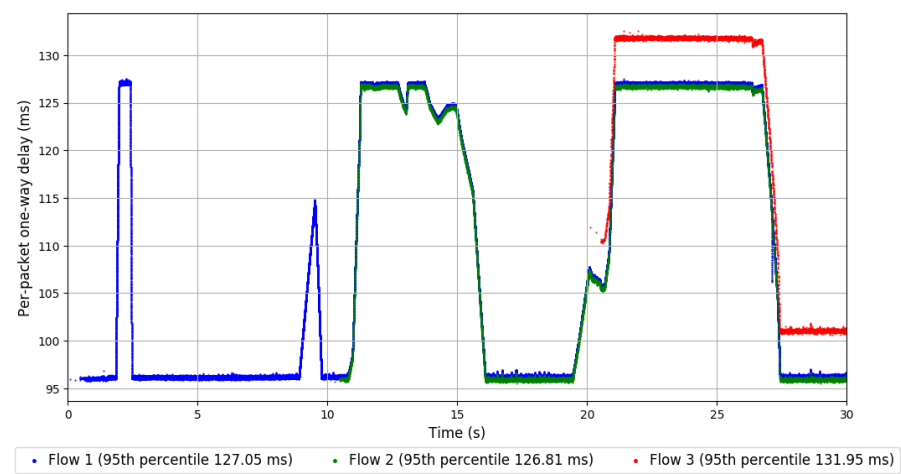
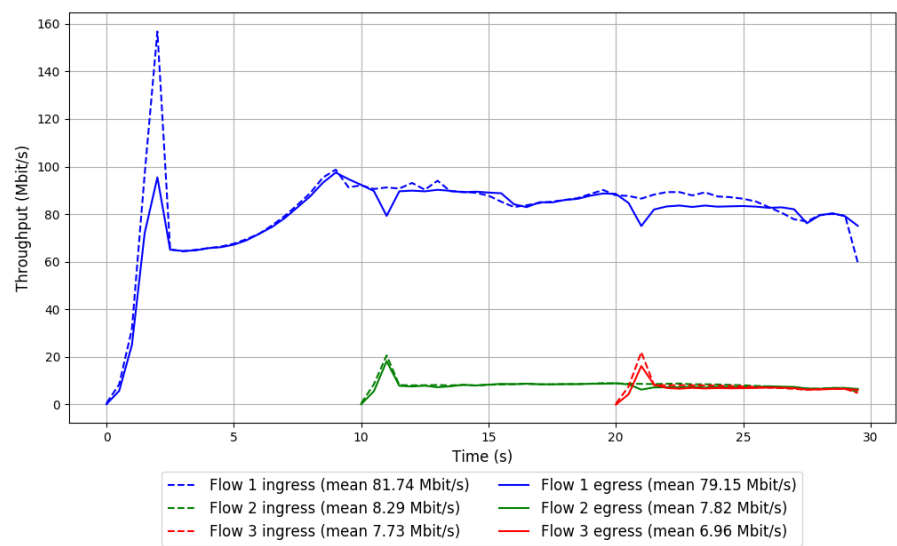


Run 4: Statistics of PCC

Start at: 2018-02-01 02:56:14
End at: 2018-02-01 02:56:44
Local clock offset: -0.043 ms
Remote clock offset: -6.179 ms

Below is generated by plot.py at 2018-02-01 05:58:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 127.074 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 127.053 ms
Loss rate: 3.16%
-- Flow 2:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 126.810 ms
Loss rate: 5.69%
-- Flow 3:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 131.947 ms
Loss rate: 10.04%

Run 4: Report of PCC — Data Link

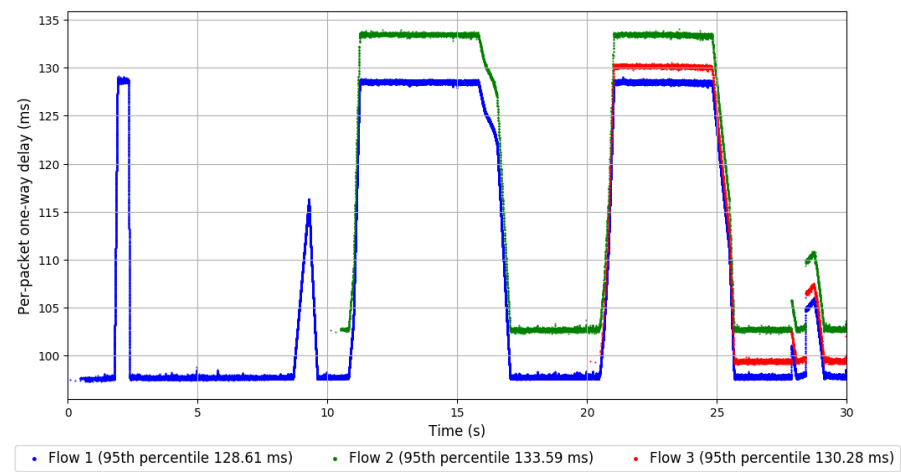
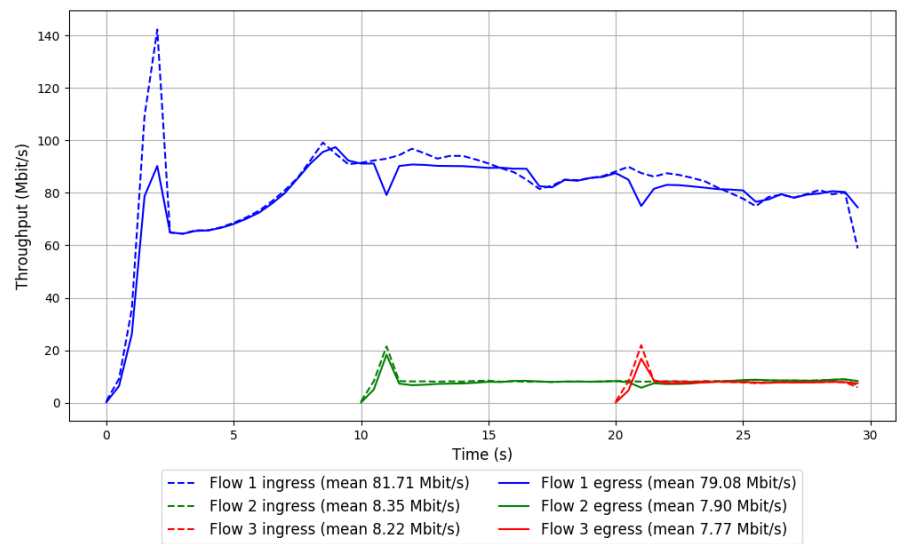


Run 5: Statistics of PCC

Start at: 2018-02-01 03:20:05
End at: 2018-02-01 03:20:35
Local clock offset: -0.141 ms
Remote clock offset: -5.441 ms

Below is generated by plot.py at 2018-02-01 05:58:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 128.689 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 128.611 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 133.593 ms
Loss rate: 5.44%
-- Flow 3:
Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 130.285 ms
Loss rate: 5.49%

Run 5: Report of PCC — Data Link

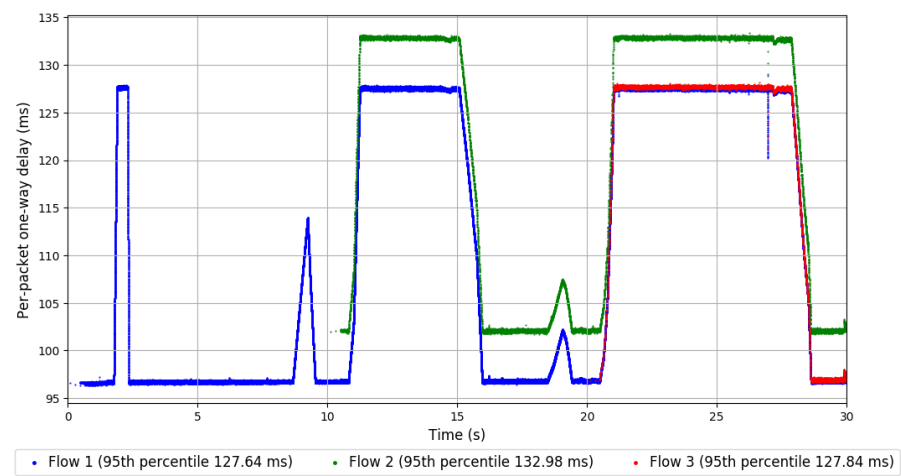
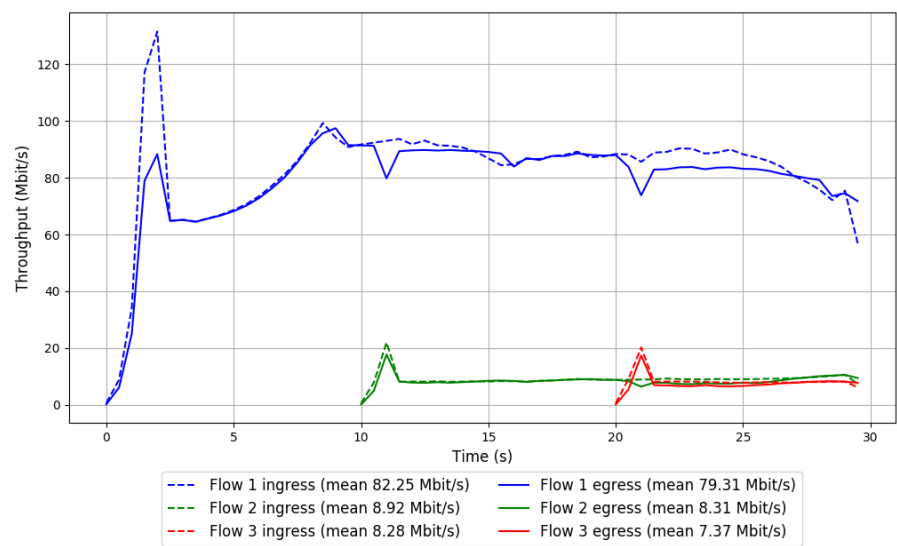


Run 6: Statistics of PCC

Start at: 2018-02-01 03:43:57
End at: 2018-02-01 03:44:27
Local clock offset: -0.241 ms
Remote clock offset: -5.476 ms

Below is generated by plot.py at 2018-02-01 05:58:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 127.717 ms
Loss rate: 4.01%
-- Flow 1:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 127.637 ms
Loss rate: 3.58%
-- Flow 2:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 132.980 ms
Loss rate: 6.92%
-- Flow 3:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 127.840 ms
Loss rate: 10.94%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-01 04:07:48

End at: 2018-02-01 04:08:18

Local clock offset: -0.295 ms

Remote clock offset: -5.09 ms

Below is generated by plot.py at 2018-02-01 05:58:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 126.268 ms

Loss rate: 3.66%

-- Flow 1:

Average throughput: 78.89 Mbit/s

95th percentile per-packet one-way delay: 126.249 ms

Loss rate: 3.36%

-- Flow 2:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 125.919 ms

Loss rate: 6.33%

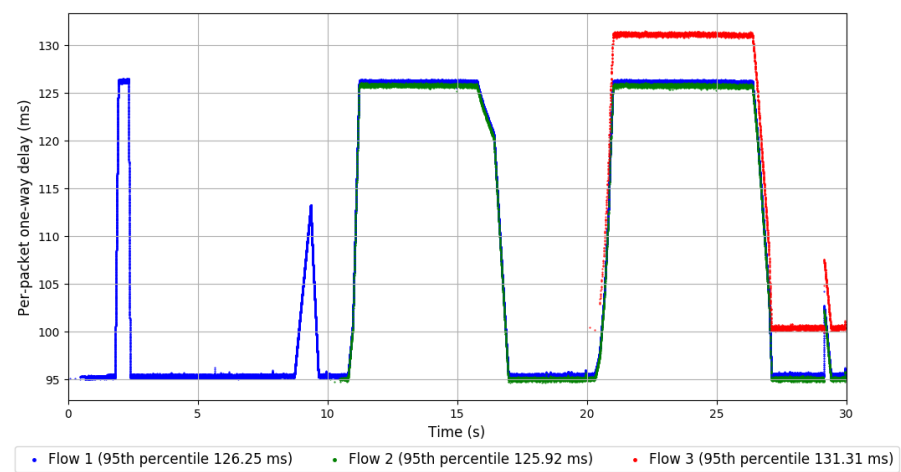
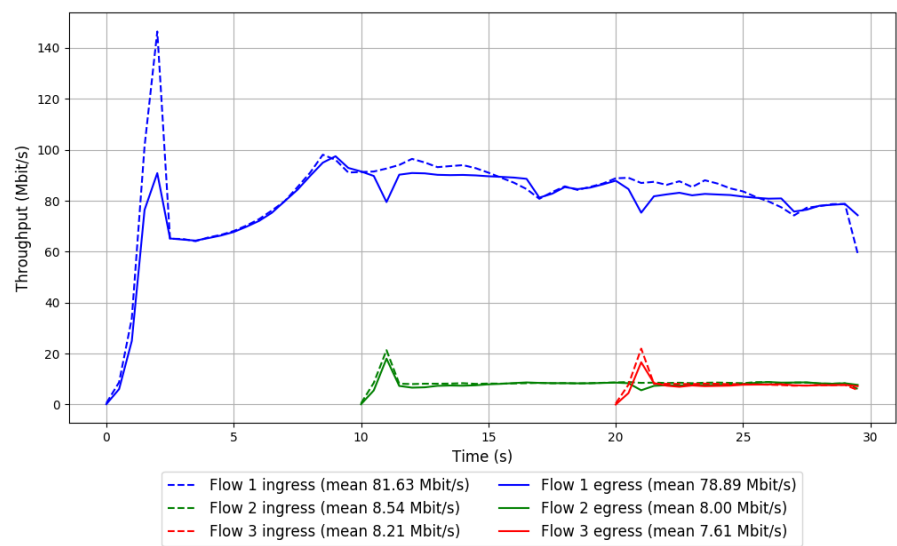
-- Flow 3:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 131.308 ms

Loss rate: 7.32%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-01 04:31:38

End at: 2018-02-01 04:32:08

Local clock offset: -0.28 ms

Remote clock offset: 1.505 ms

Below is generated by plot.py at 2018-02-01 05:59:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 132.707 ms

Loss rate: 3.41%

-- Flow 1:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 132.642 ms

Loss rate: 3.10%

-- Flow 2:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 134.138 ms

Loss rate: 6.44%

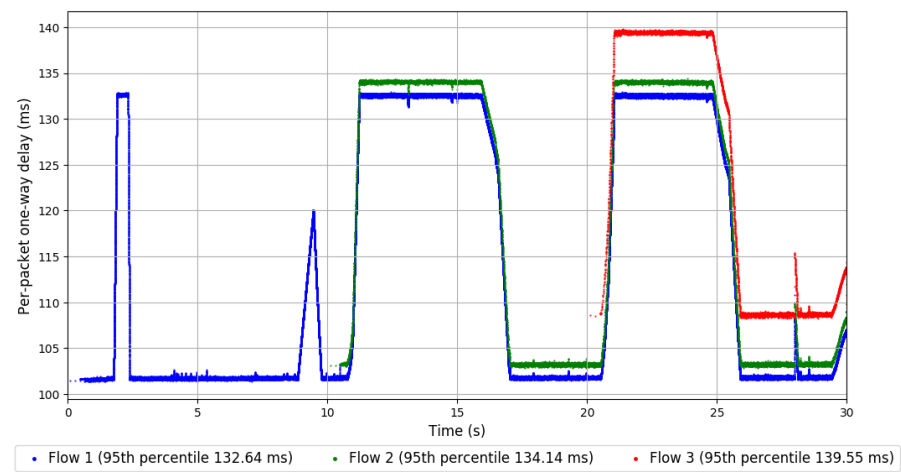
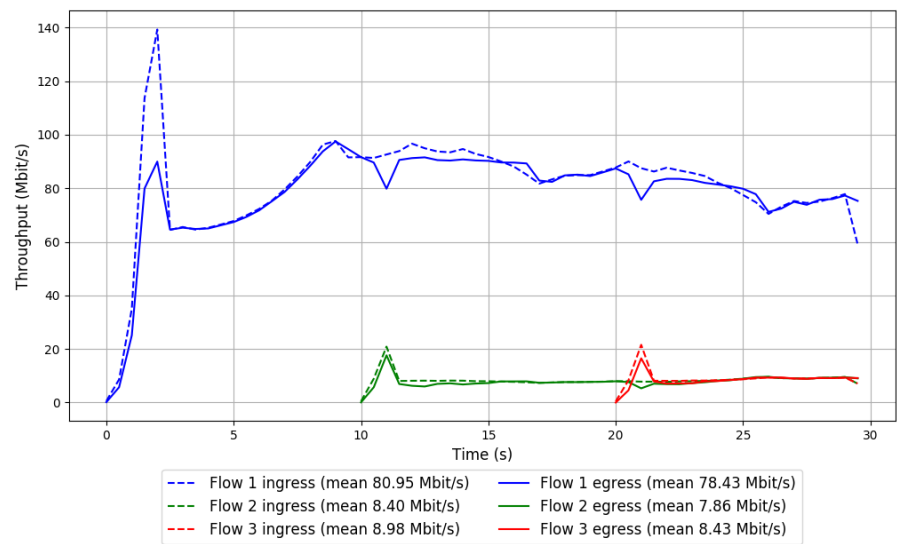
-- Flow 3:

Average throughput: 8.43 Mbit/s

95th percentile per-packet one-way delay: 139.549 ms

Loss rate: 6.14%

Run 8: Report of PCC — Data Link

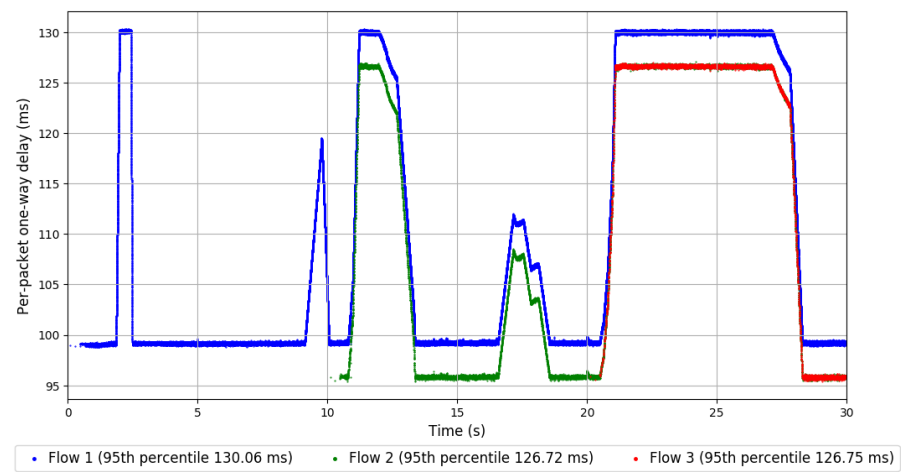
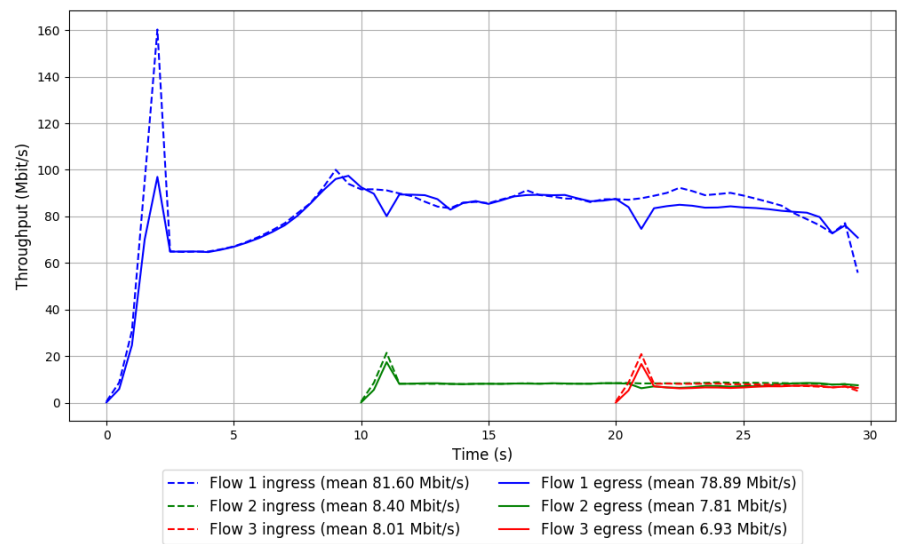


Run 9: Statistics of PCC

Start at: 2018-02-01 04:55:22
End at: 2018-02-01 04:55:52
Local clock offset: -0.297 ms
Remote clock offset: -3.512 ms

Below is generated by plot.py at 2018-02-01 05:59:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 130.058 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 130.065 ms
Loss rate: 3.32%
-- Flow 2:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 126.719 ms
Loss rate: 6.94%
-- Flow 3:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 126.753 ms
Loss rate: 13.47%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-01 05:19:12

End at: 2018-02-01 05:19:42

Local clock offset: -0.26 ms

Remote clock offset: -3.79 ms

Below is generated by plot.py at 2018-02-01 05:59:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 123.881 ms

Loss rate: 2.23%

-- Flow 1:

Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 123.859 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 124.126 ms

Loss rate: 2.91%

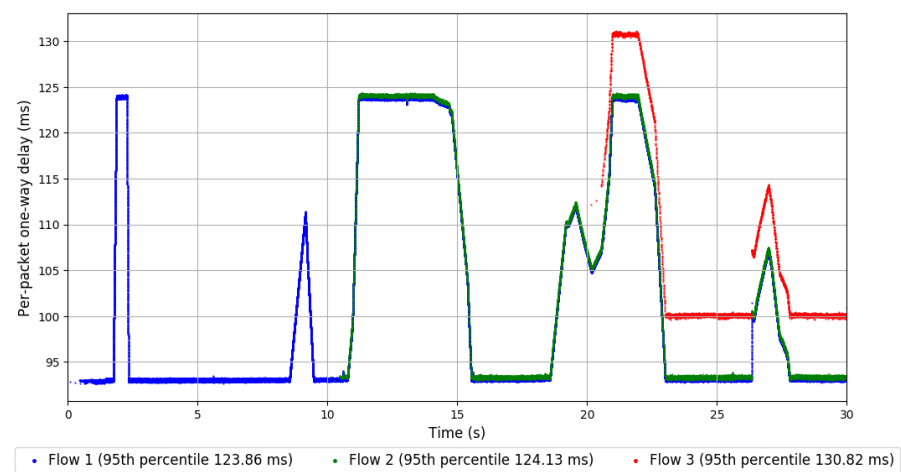
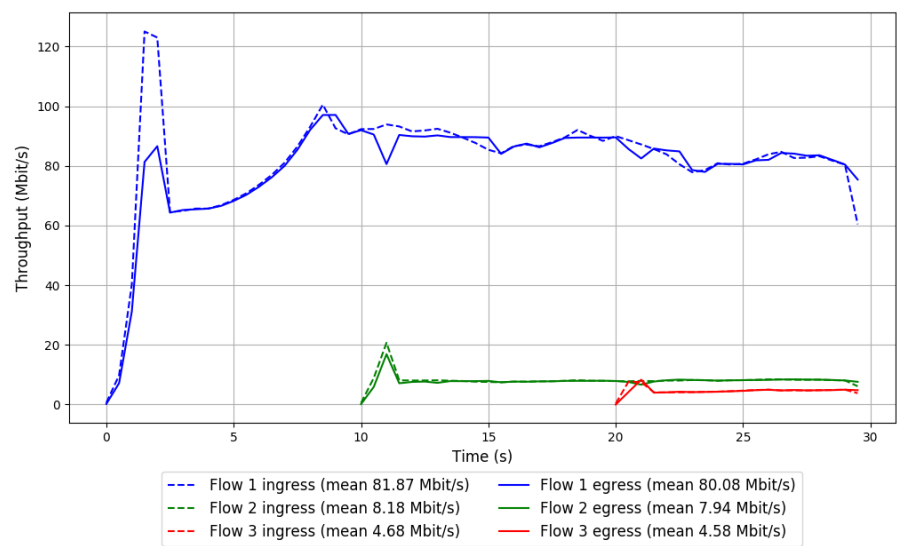
-- Flow 3:

Average throughput: 4.58 Mbit/s

95th percentile per-packet one-way delay: 130.822 ms

Loss rate: 2.19%

Run 10: Report of PCC — Data Link

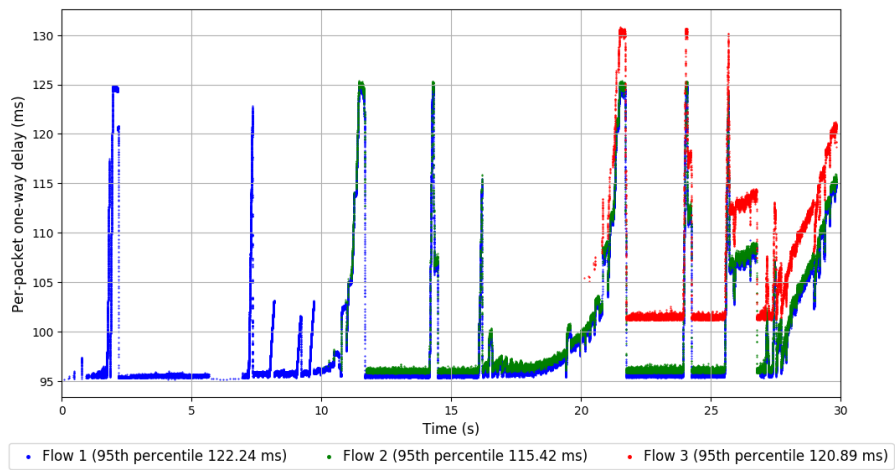
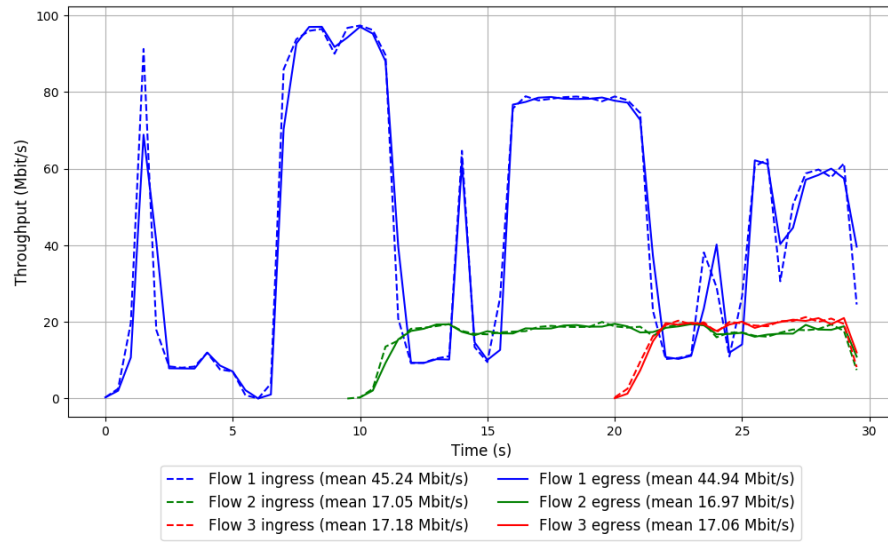


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-01 01:50:06
End at: 2018-02-01 01:50:36
Local clock offset: 0.072 ms
Remote clock offset: -4.043 ms

Below is generated by plot.py at 2018-02-01 05:59:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 121.078 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 44.94 Mbit/s
95th percentile per-packet one-way delay: 122.241 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 115.415 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 120.893 ms
Loss rate: 0.55%

Run 1: Report of QUIC Cubic — Data Link

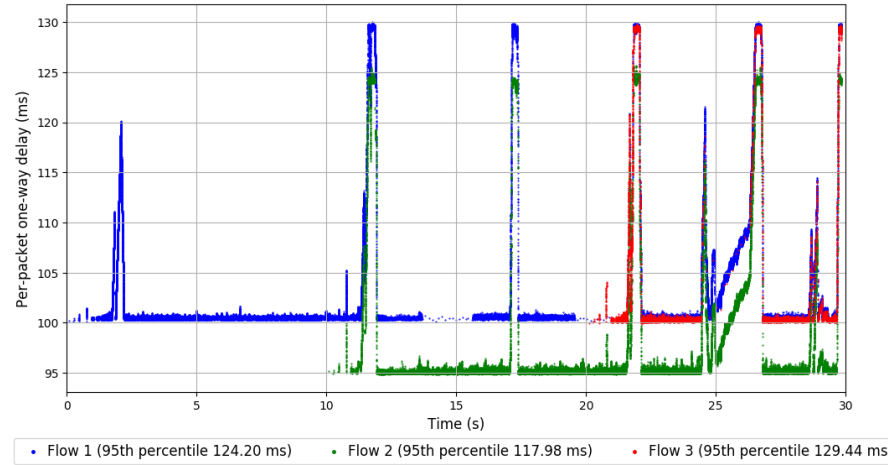
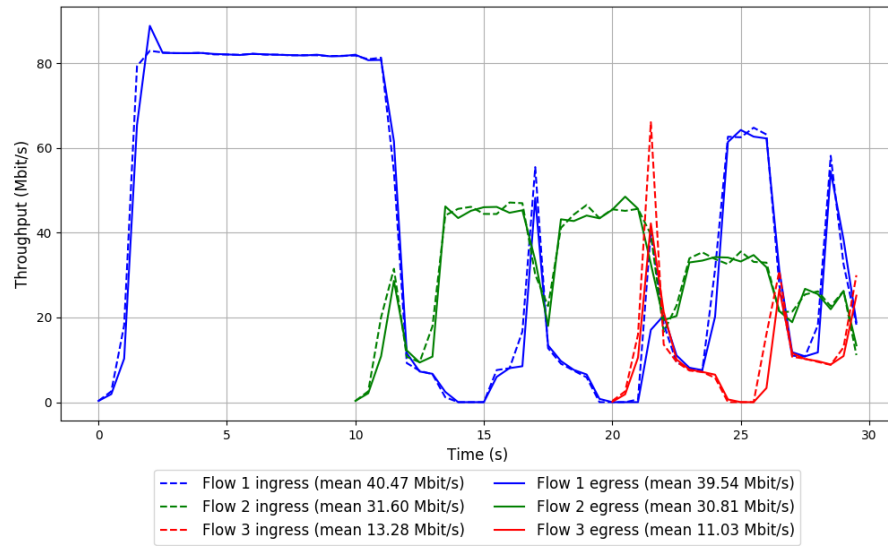


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-01 02:13:56
End at: 2018-02-01 02:14:26
Local clock offset: -0.003 ms
Remote clock offset: -6.726 ms

Below is generated by plot.py at 2018-02-01 05:59:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.59 Mbit/s
95th percentile per-packet one-way delay: 124.244 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 124.196 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 117.980 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 129.438 ms
Loss rate: 16.75%

Run 2: Report of QUIC Cubic — Data Link

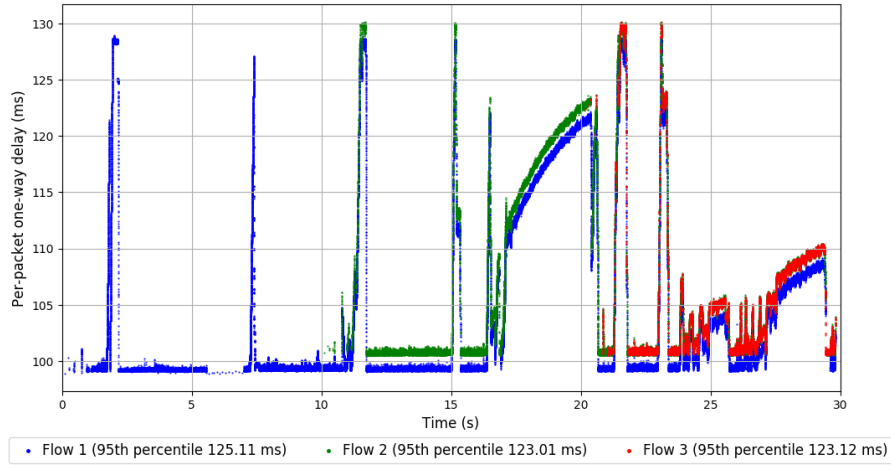
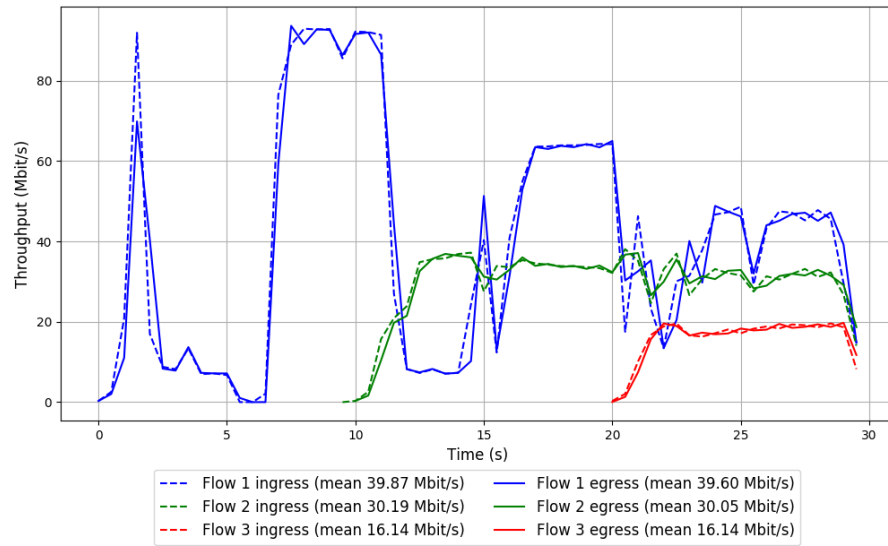


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-01 02:37:43
End at: 2018-02-01 02:38:13
Local clock offset: 0.02 ms
Remote clock offset: -1.409 ms

Below is generated by plot.py at 2018-02-01 05:59:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 123.291 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 125.111 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 123.014 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 123.124 ms
Loss rate: 0.22%

Run 3: Report of QUIC Cubic — Data Link

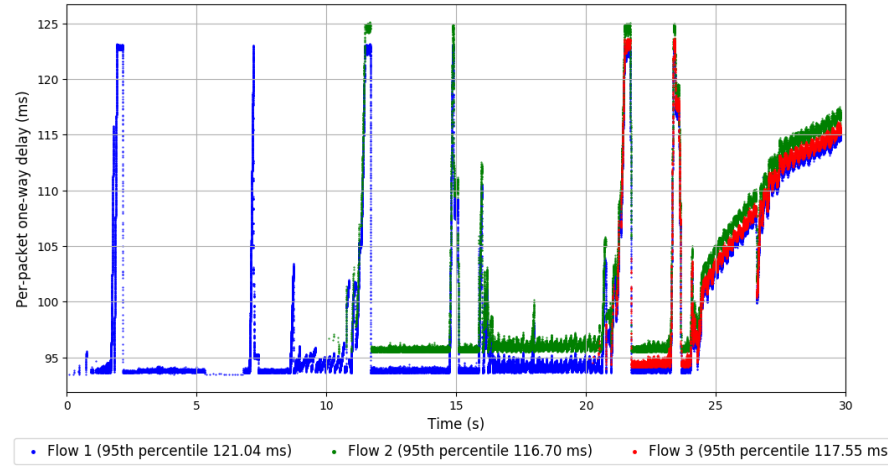
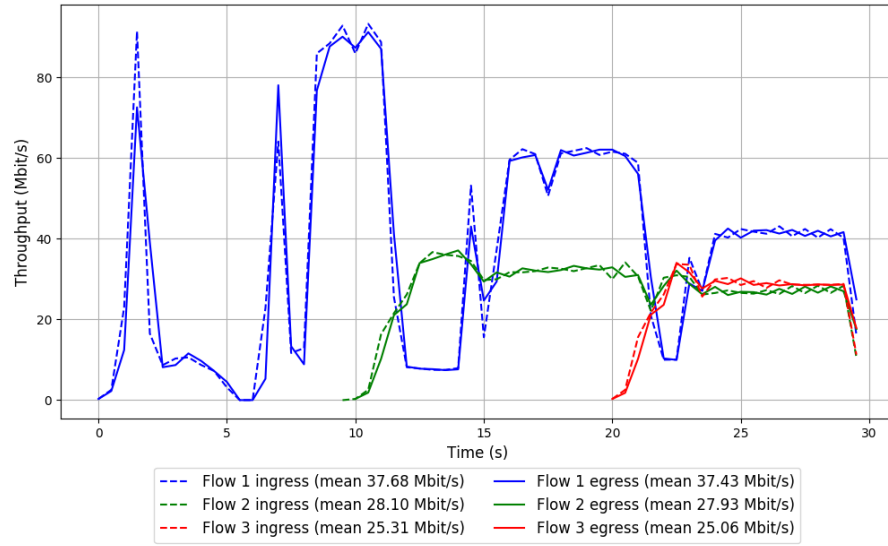


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-01 03:01:33
End at: 2018-02-01 03:02:03
Local clock offset: -0.052 ms
Remote clock offset: -5.982 ms

Below is generated by plot.py at 2018-02-01 05:59:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.14 Mbit/s
95th percentile per-packet one-way delay: 118.144 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 121.041 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 116.703 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 117.549 ms
Loss rate: 0.74%

Run 4: Report of QUIC Cubic — Data Link

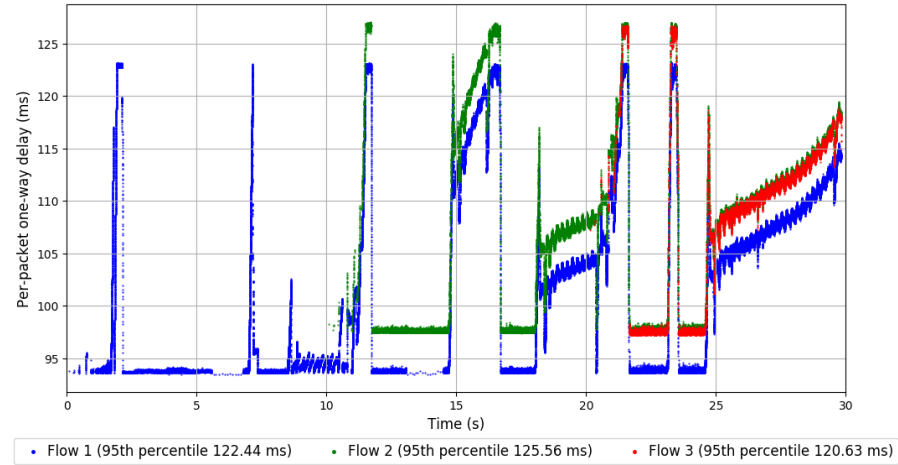
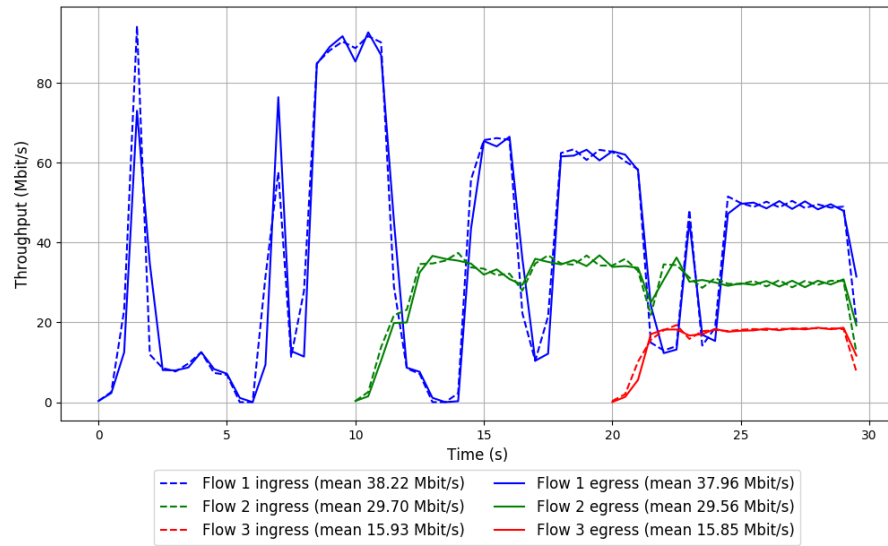


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-01 03:25:26
End at: 2018-02-01 03:25:56
Local clock offset: -0.165 ms
Remote clock offset: -5.291 ms

Below is generated by plot.py at 2018-02-01 06:00:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.72 Mbit/s
95th percentile per-packet one-way delay: 122.703 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 122.442 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 29.56 Mbit/s
95th percentile per-packet one-way delay: 125.561 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 120.630 ms
Loss rate: 0.43%

Run 5: Report of QUIC Cubic — Data Link

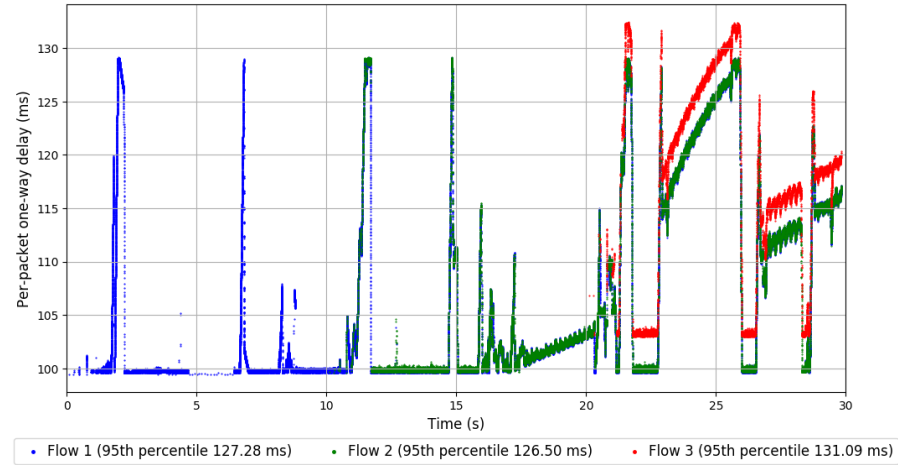
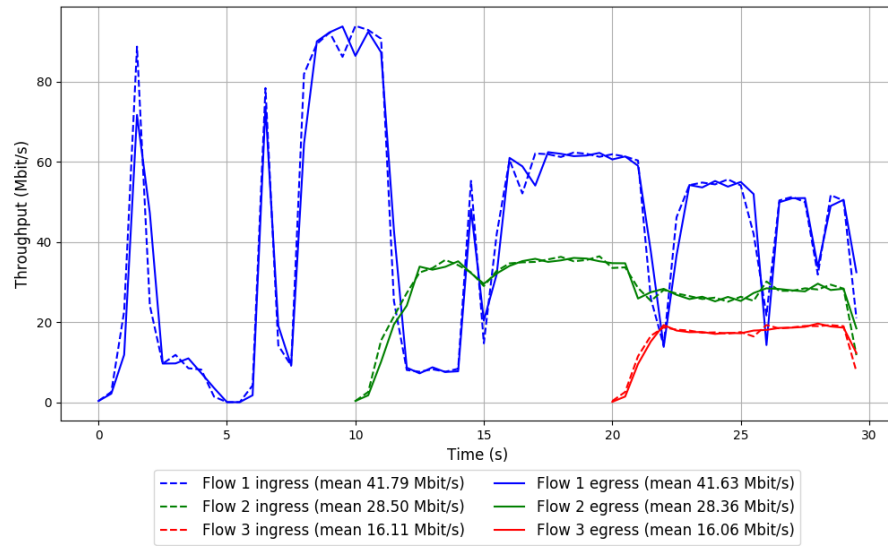


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-01 03:49:14
End at: 2018-02-01 03:49:44
Local clock offset: -0.237 ms
Remote clock offset: -0.581 ms

Below is generated by plot.py at 2018-02-01 06:00:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.67 Mbit/s
95th percentile per-packet one-way delay: 127.686 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 41.63 Mbit/s
95th percentile per-packet one-way delay: 127.283 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 126.502 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 131.092 ms
Loss rate: 0.14%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-01 04:13:07

End at: 2018-02-01 04:13:37

Local clock offset: -0.337 ms

Remote clock offset: 0.673 ms

Below is generated by plot.py at 2018-02-01 06:00:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 128.478 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 36.85 Mbit/s

95th percentile per-packet one-way delay: 127.767 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 31.09 Mbit/s

95th percentile per-packet one-way delay: 133.182 ms

Loss rate: 1.24%

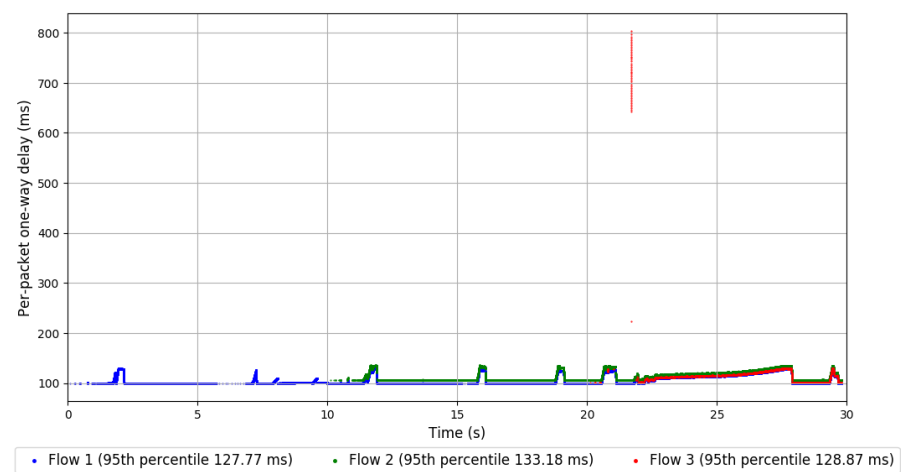
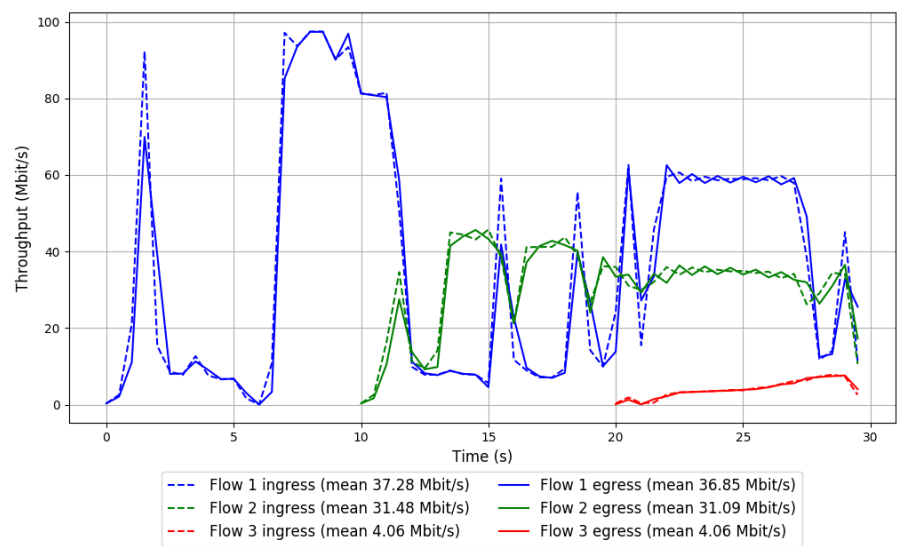
-- Flow 3:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 128.874 ms

Loss rate: 0.12%

Run 7: Report of QUIC Cubic — Data Link

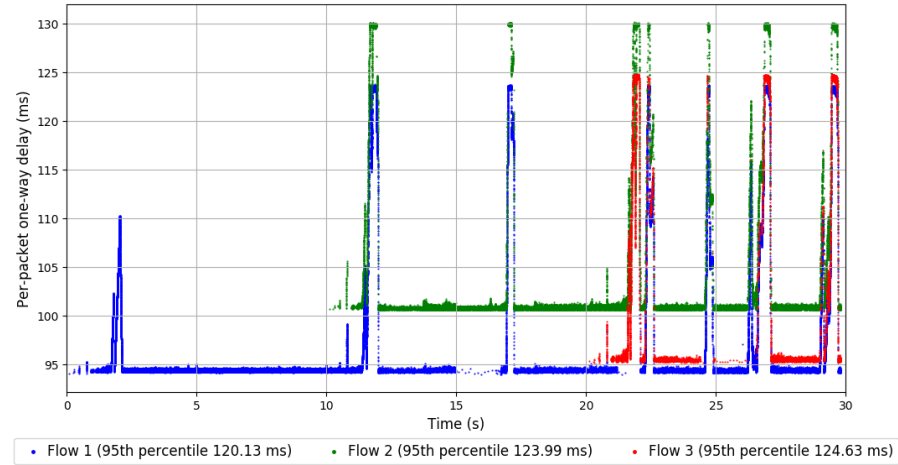
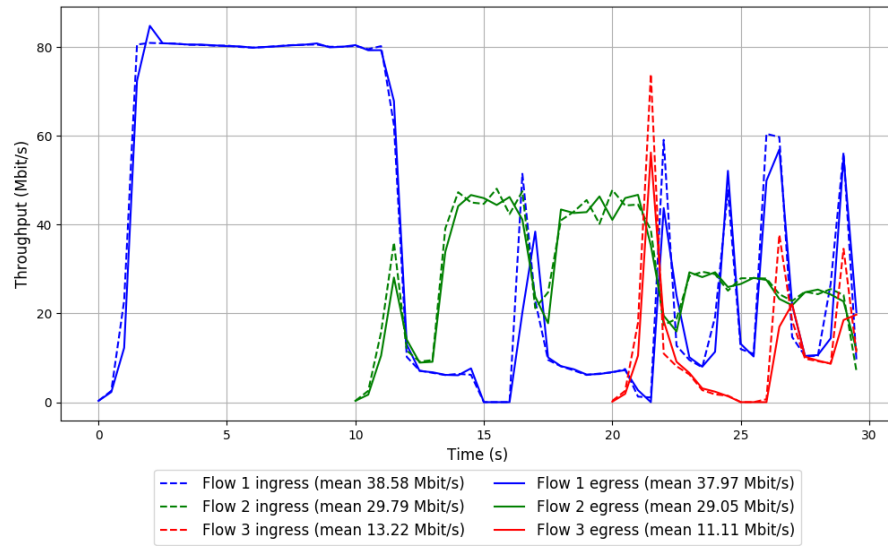


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-01 04:36:55
End at: 2018-02-01 04:37:25
Local clock offset: -0.268 ms
Remote clock offset: -4.216 ms

Below is generated by plot.py at 2018-02-01 06:01:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 123.290 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 120.134 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 123.986 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 124.628 ms
Loss rate: 15.99%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-01 05:00:39

End at: 2018-02-01 05:01:09

Local clock offset: -0.281 ms

Remote clock offset: -4.15 ms

Below is generated by plot.py at 2018-02-01 06:01:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.02 Mbit/s

95th percentile per-packet one-way delay: 121.753 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 53.76 Mbit/s

95th percentile per-packet one-way delay: 122.076 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 9.67 Mbit/s

95th percentile per-packet one-way delay: 121.752 ms

Loss rate: 0.10%

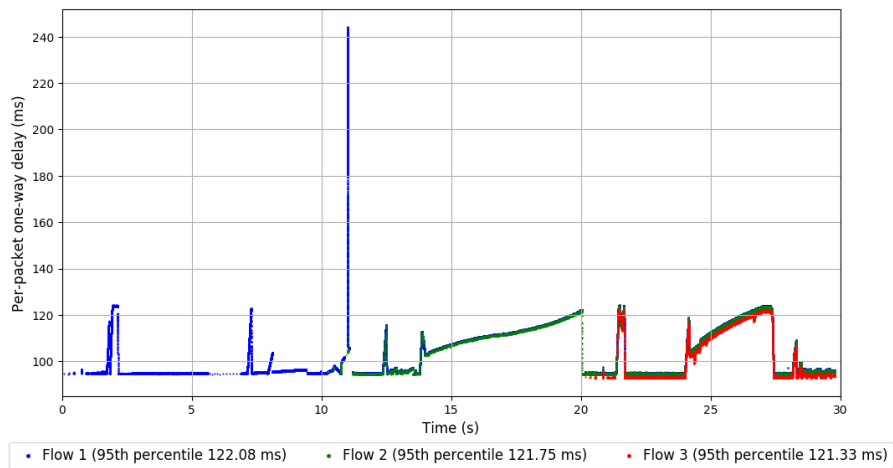
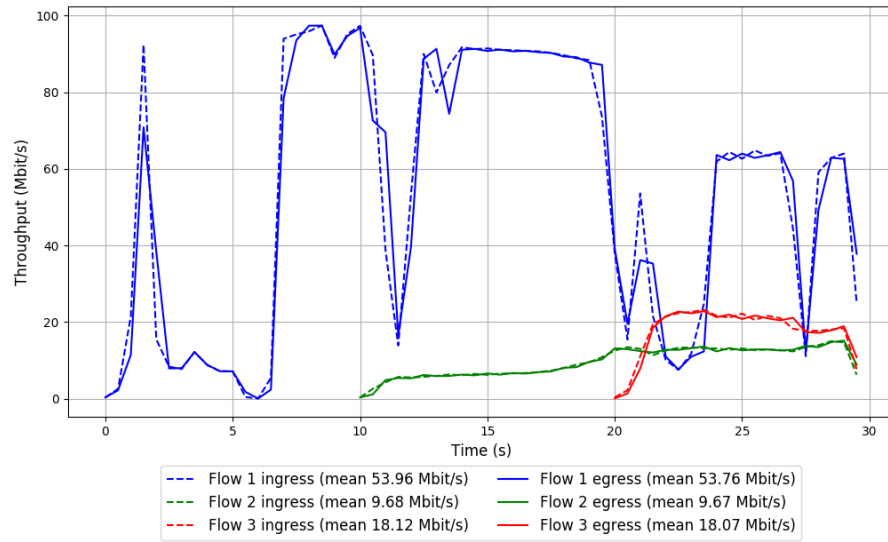
-- Flow 3:

Average throughput: 18.07 Mbit/s

95th percentile per-packet one-way delay: 121.335 ms

Loss rate: 0.30%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-01 05:24:30

End at: 2018-02-01 05:25:00

Local clock offset: -0.252 ms

Remote clock offset: -3.94 ms

Below is generated by plot.py at 2018-02-01 06:01:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.24 Mbit/s

95th percentile per-packet one-way delay: 118.815 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 35.29 Mbit/s

95th percentile per-packet one-way delay: 123.147 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 26.69 Mbit/s

95th percentile per-packet one-way delay: 107.396 ms

Loss rate: 0.69%

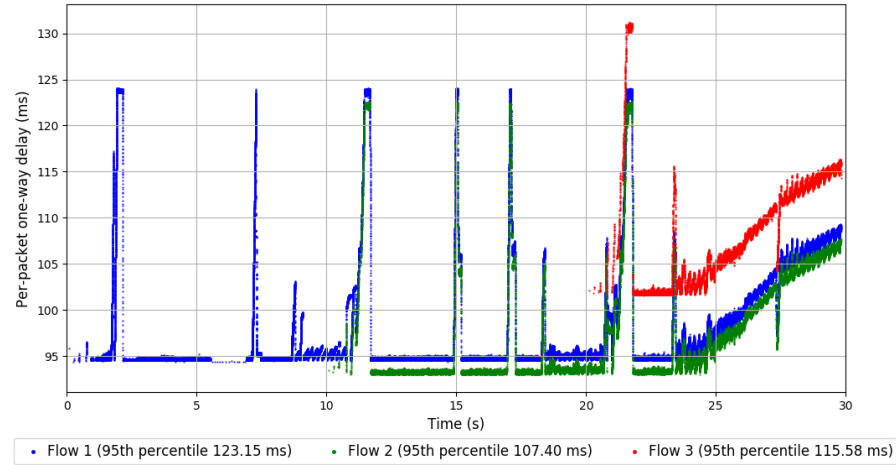
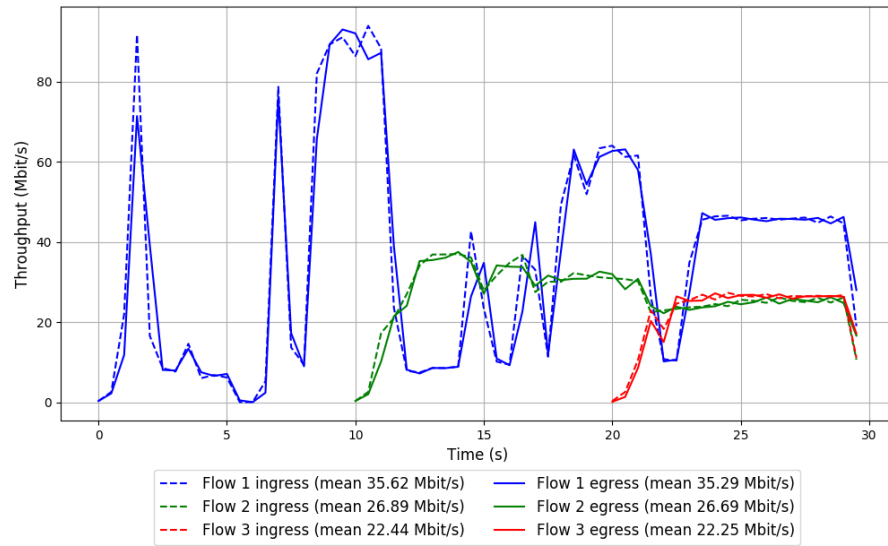
-- Flow 3:

Average throughput: 22.25 Mbit/s

95th percentile per-packet one-way delay: 115.583 ms

Loss rate: 0.76%

Run 10: Report of QUIC Cubic — Data Link

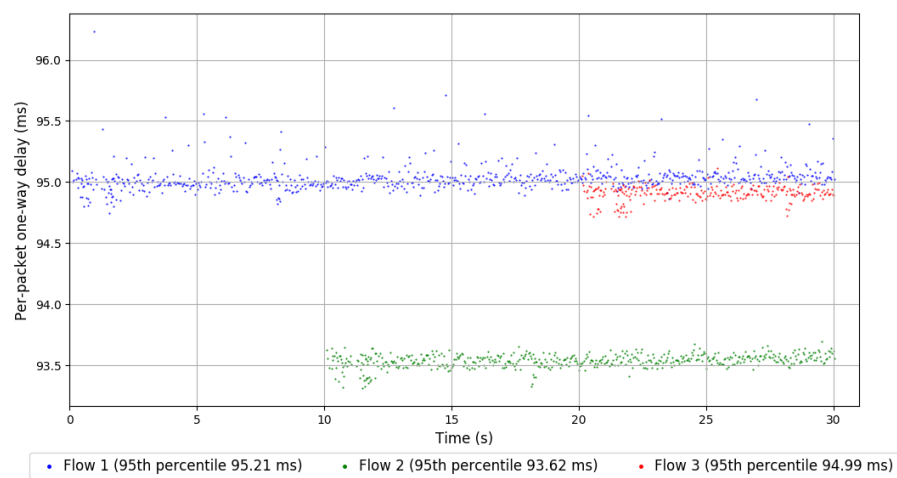
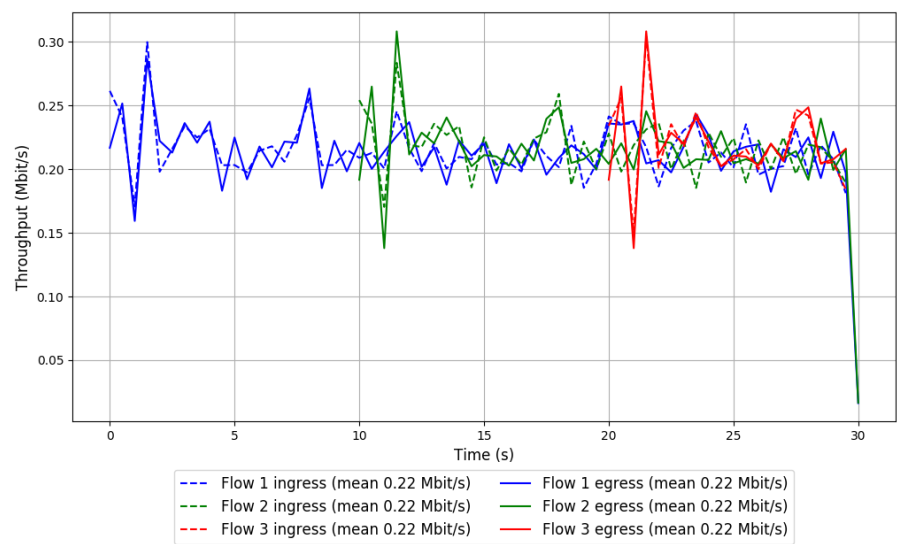


```
Run 1: Statistics of SReAM

Start at: 2018-02-01 01:38:14
End at: 2018-02-01 01:38:44
Local clock offset: 0.146 ms
Remote clock offset: -4.151 ms

# Below is generated by plot.py at 2018-02-01 06:01:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 95.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.619 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.987 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

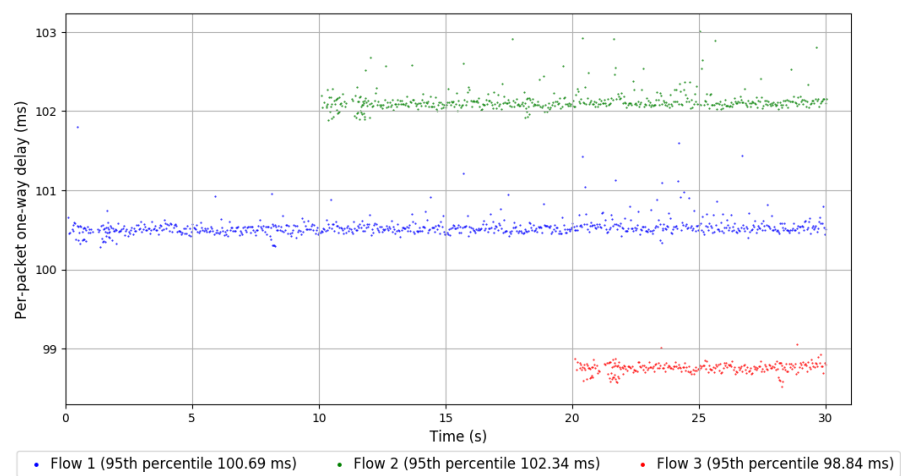
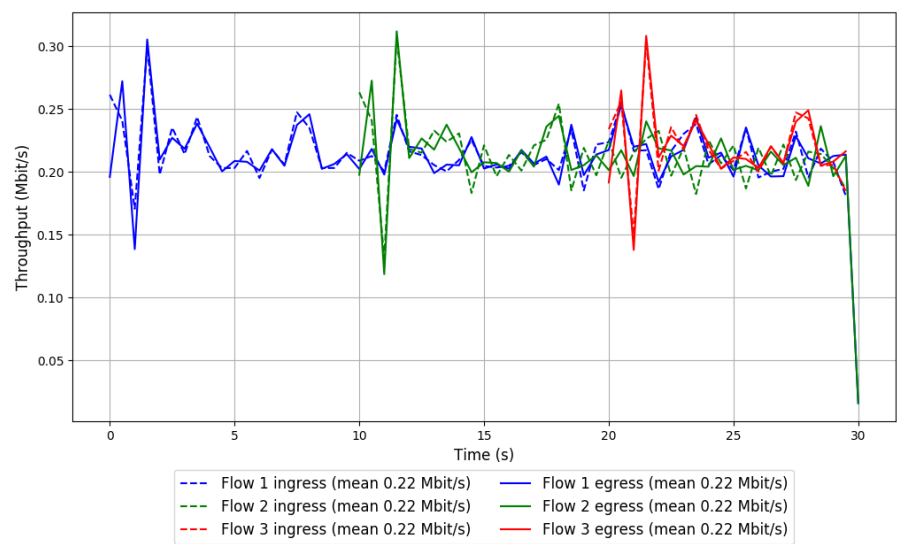


Run 2: Statistics of SReAM

Start at: 2018-02-01 02:02:03
End at: 2018-02-01 02:02:33
Local clock offset: 0.056 ms
Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 102.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.692 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 102.344 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.840 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

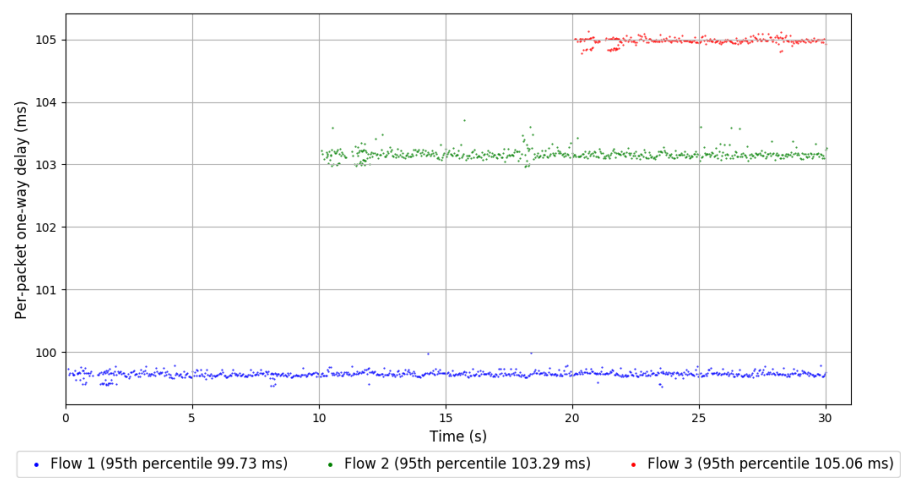
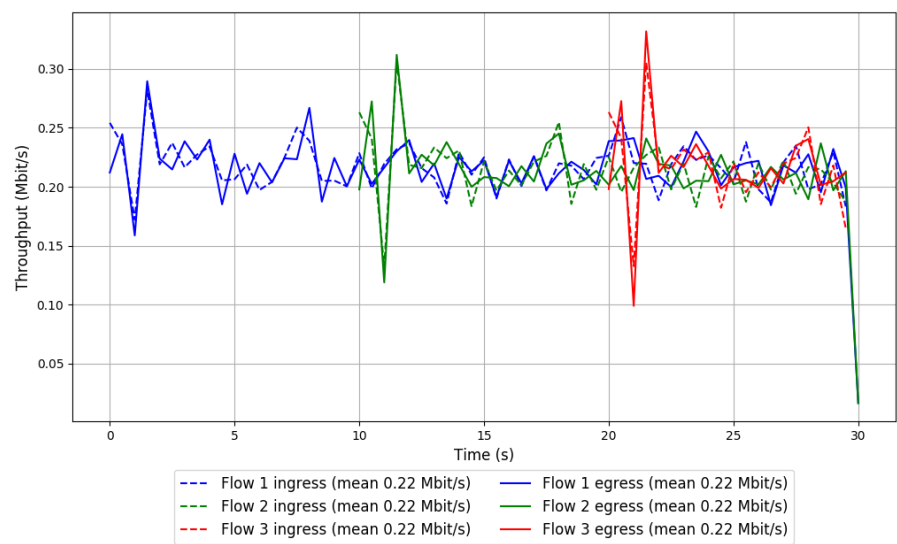


Run 3: Statistics of SReAM

Start at: 2018-02-01 02:25:52
End at: 2018-02-01 02:26:22
Local clock offset: 0.013 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 105.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 103.286 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 105.061 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

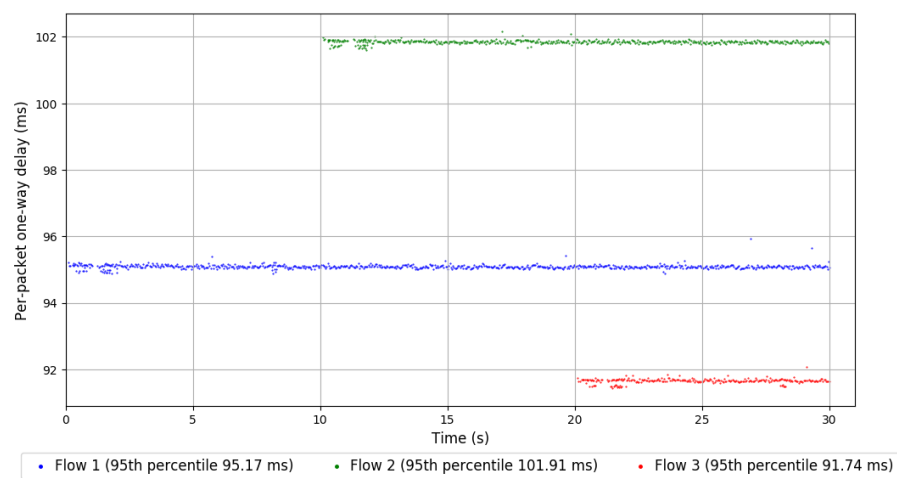
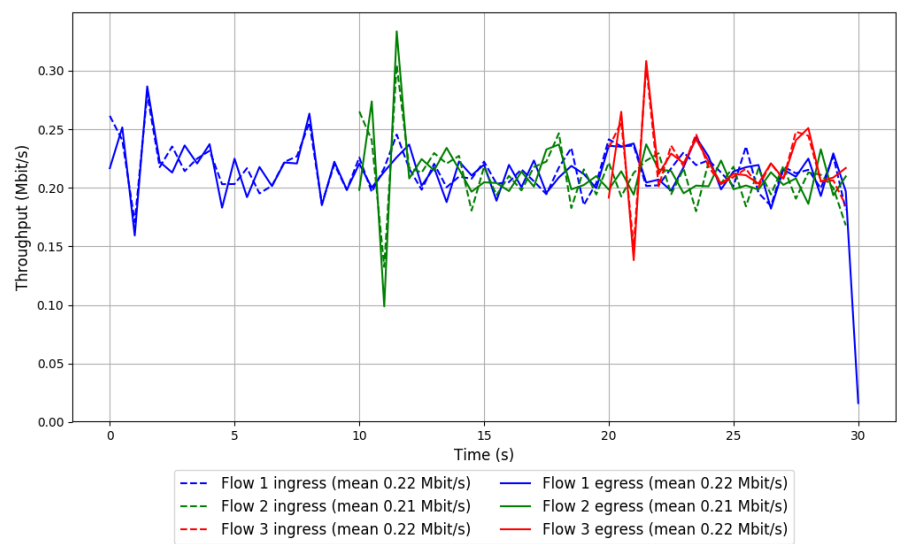


Run 4: Statistics of SCReAM

Start at: 2018-02-01 02:49:39
End at: 2018-02-01 02:50:09
Local clock offset: -0.022 ms
Remote clock offset: -7.305 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 101.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 95.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 101.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.740 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

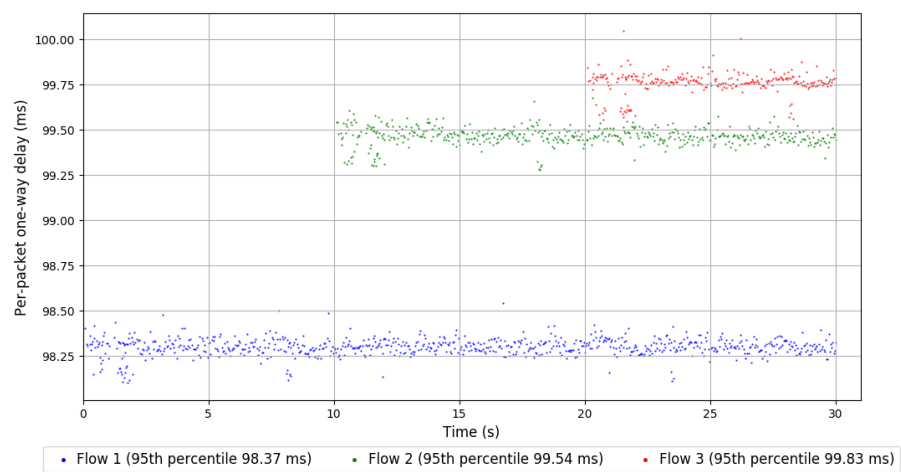
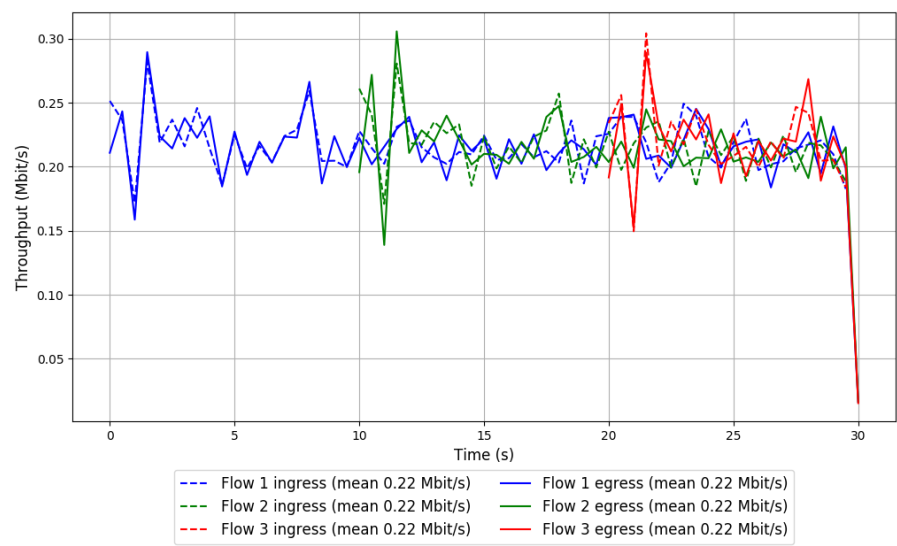


Run 5: Statistics of SReAM

Start at: 2018-02-01 03:13:30
End at: 2018-02-01 03:14:00
Local clock offset: -0.111 ms
Remote clock offset: -1.598 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 99.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.369 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.541 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.833 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

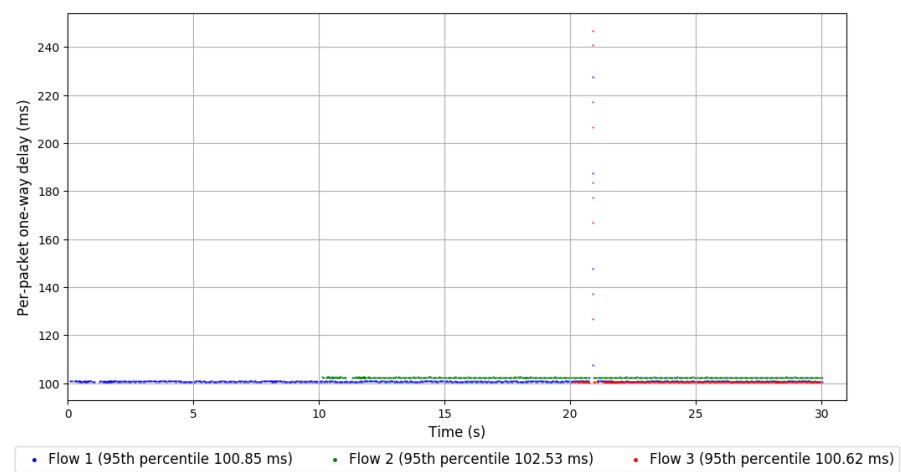
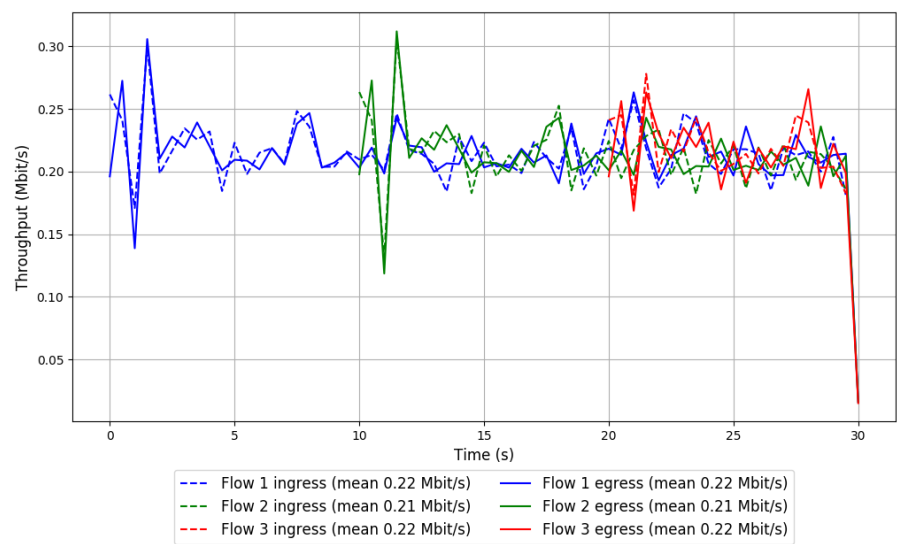


Run 6: Statistics of SReAM

Start at: 2018-02-01 03:37:24
End at: 2018-02-01 03:37:54
Local clock offset: -0.223 ms
Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 102.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.621 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

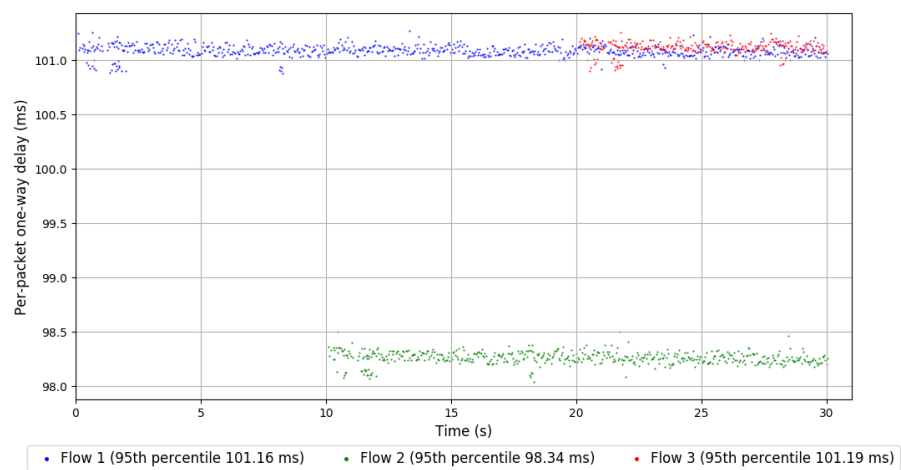
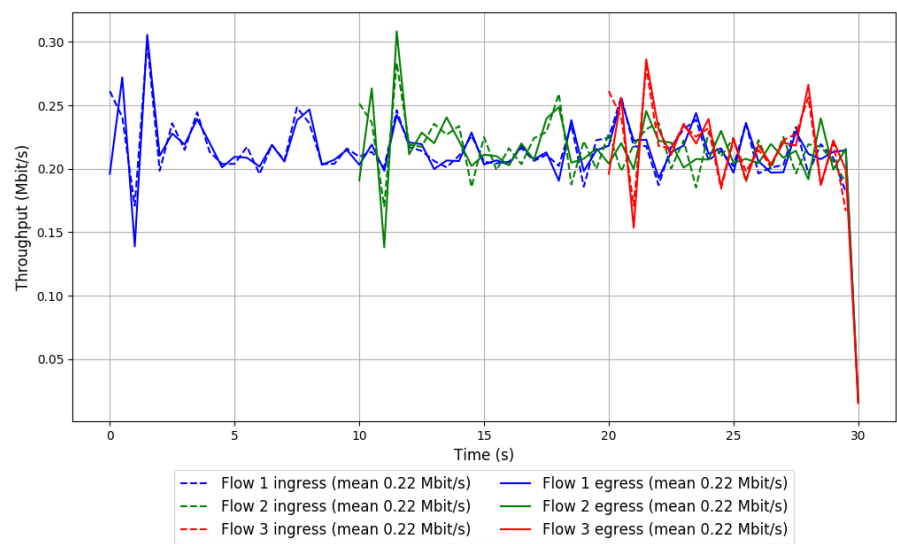


Run 7: Statistics of SReAM

Start at: 2018-02-01 04:01:15
End at: 2018-02-01 04:01:45
Local clock offset: -0.282 ms
Remote clock offset: -0.597 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 101.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.164 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.344 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 101.193 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

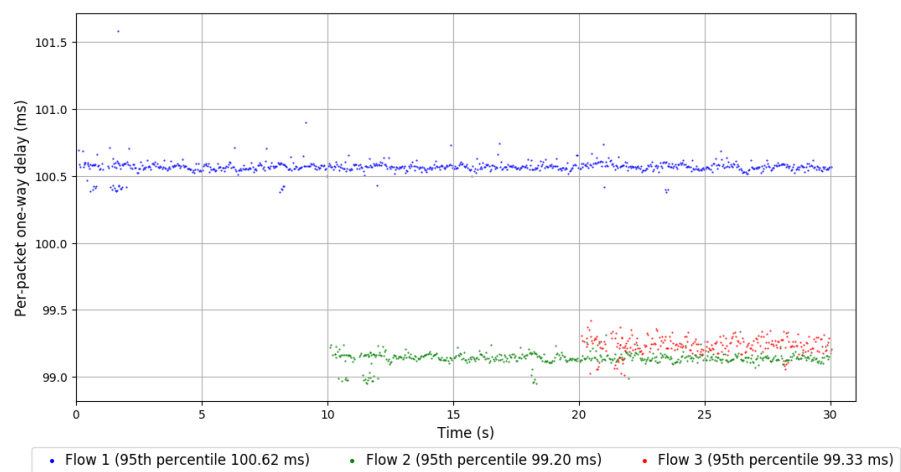
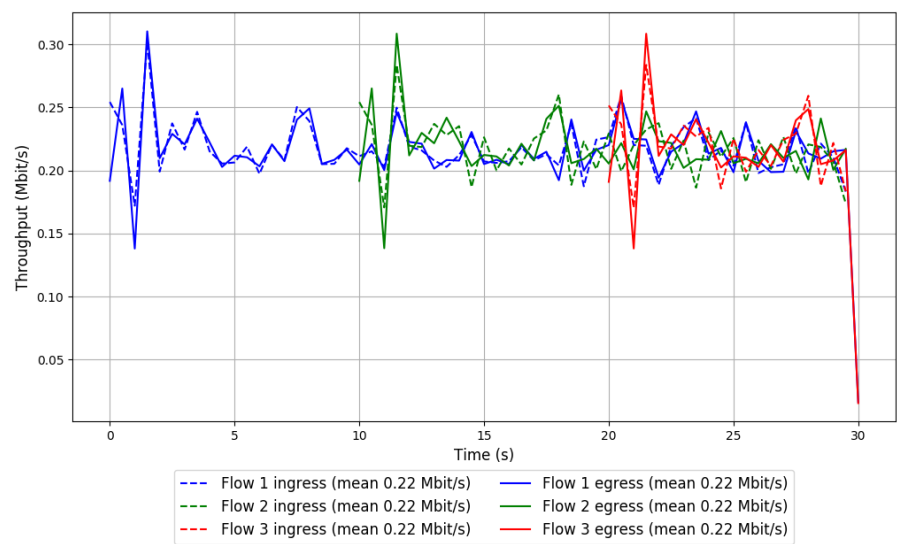


Run 8: Statistics of SReAM

Start at: 2018-02-01 04:25:04
End at: 2018-02-01 04:25:34
Local clock offset: -0.307 ms
Remote clock offset: 0.73 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 100.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.197 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 99.332 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

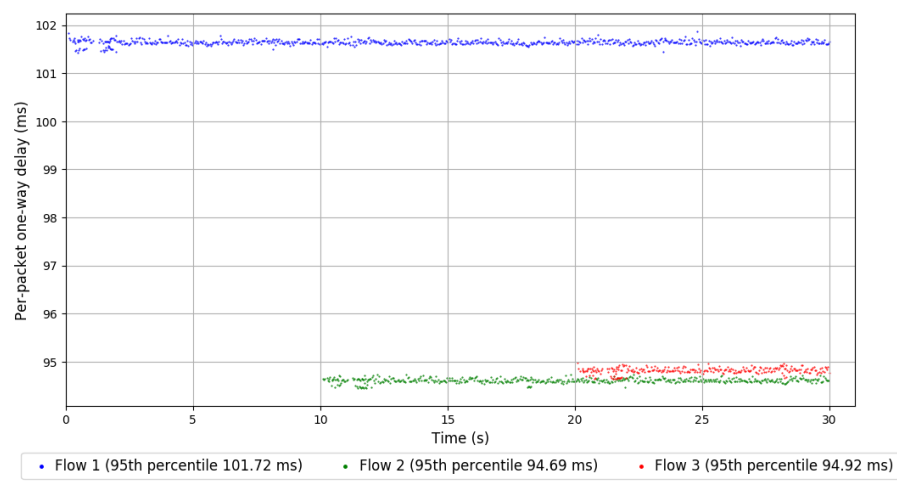
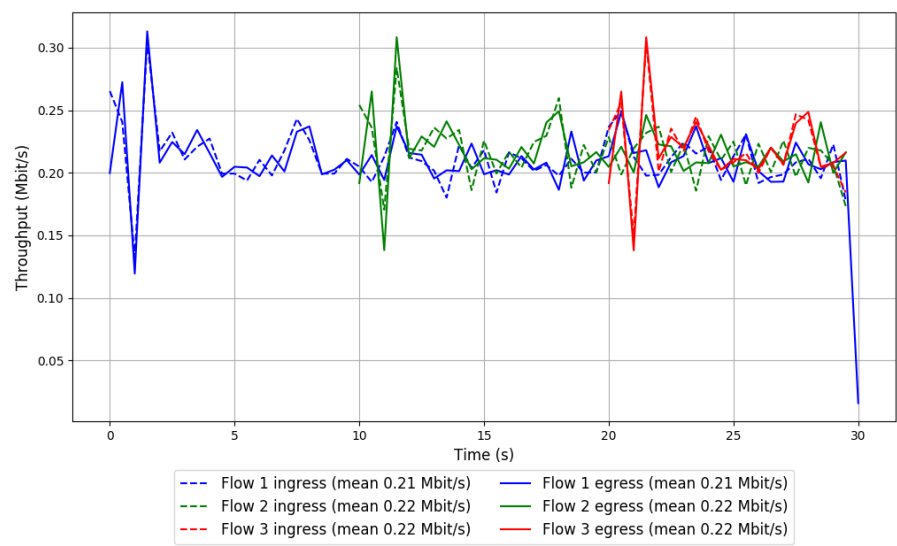


Run 9: Statistics of SReAM

Start at: 2018-02-01 04:48:50
End at: 2018-02-01 04:49:20
Local clock offset: -0.286 ms
Remote clock offset: -4.583 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 101.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 101.722 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.691 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.916 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

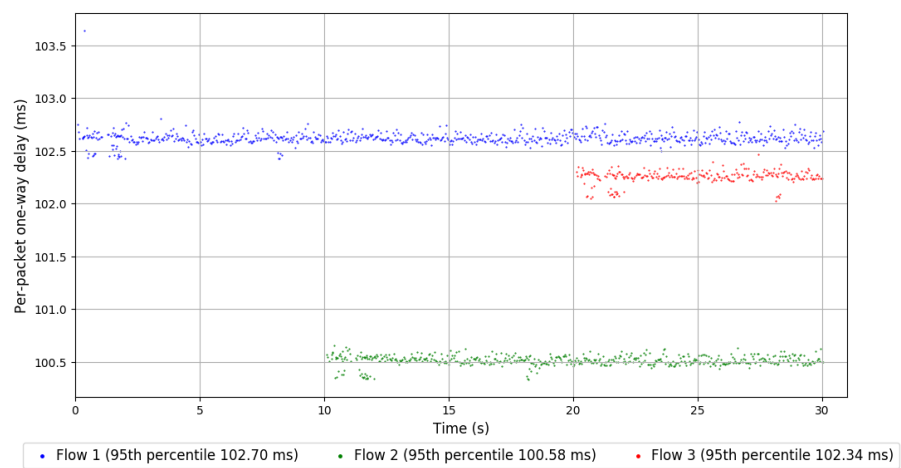
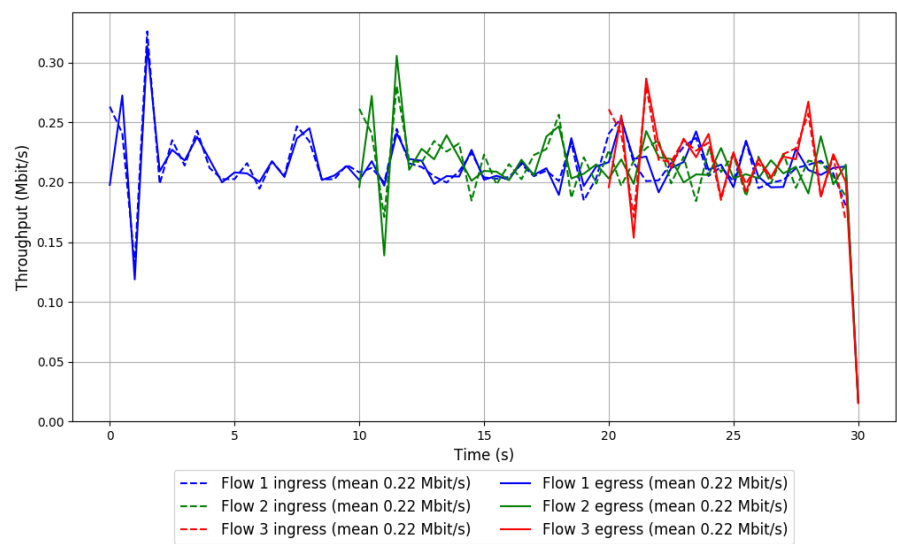


```
Run 10: Statistics of SReAM

Start at: 2018-02-01 05:12:38
End at: 2018-02-01 05:13:08
Local clock offset: -0.291 ms
Remote clock offset: 1.98 ms

# Below is generated by plot.py at 2018-02-01 06:01:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 102.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 102.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 100.585 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 102.336 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link

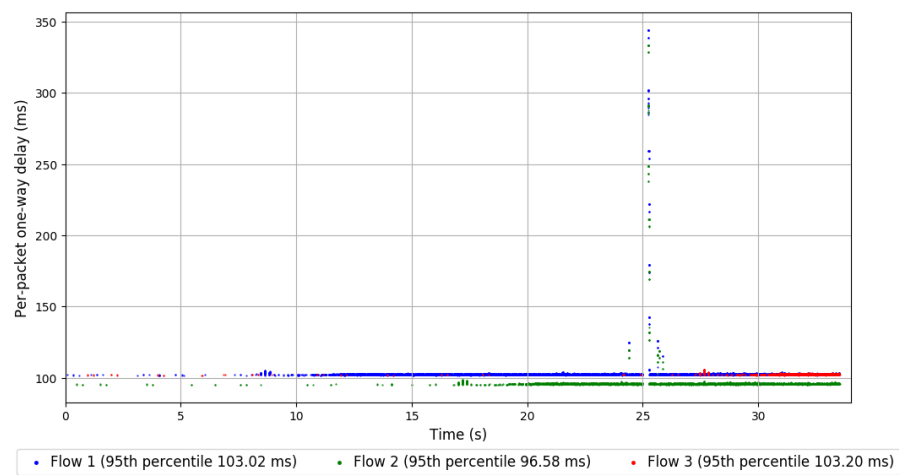
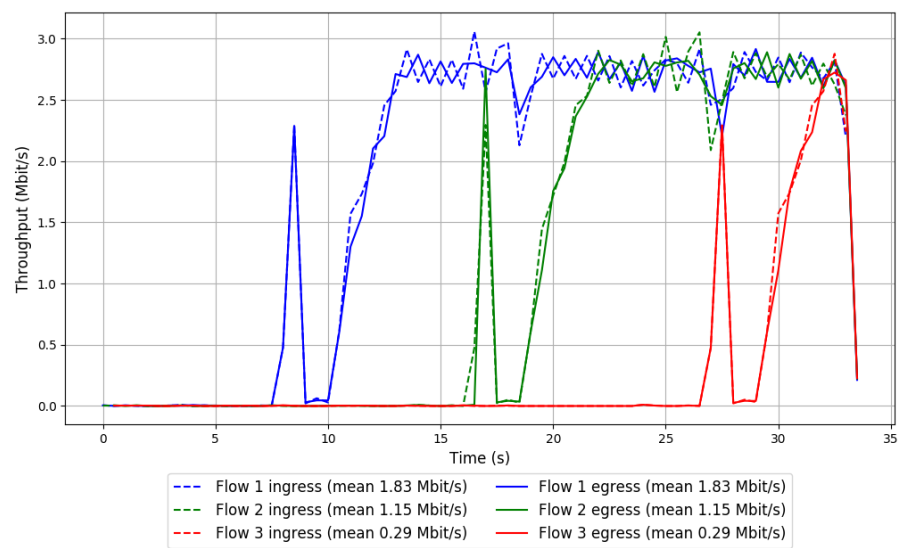


Run 1: Statistics of WebRTC media

Start at: 2018-02-01 01:36:59
End at: 2018-02-01 01:37:29
Local clock offset: 0.103 ms
Remote clock offset: -3.976 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 102.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 103.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 96.577 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 103.205 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

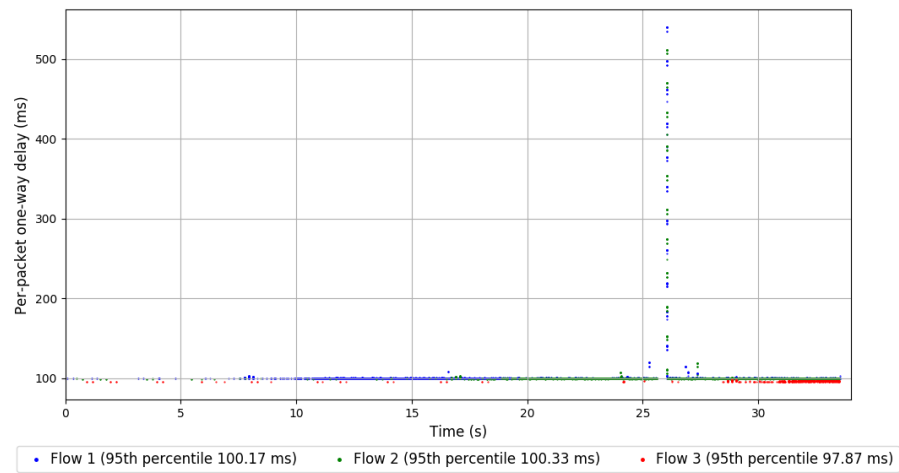
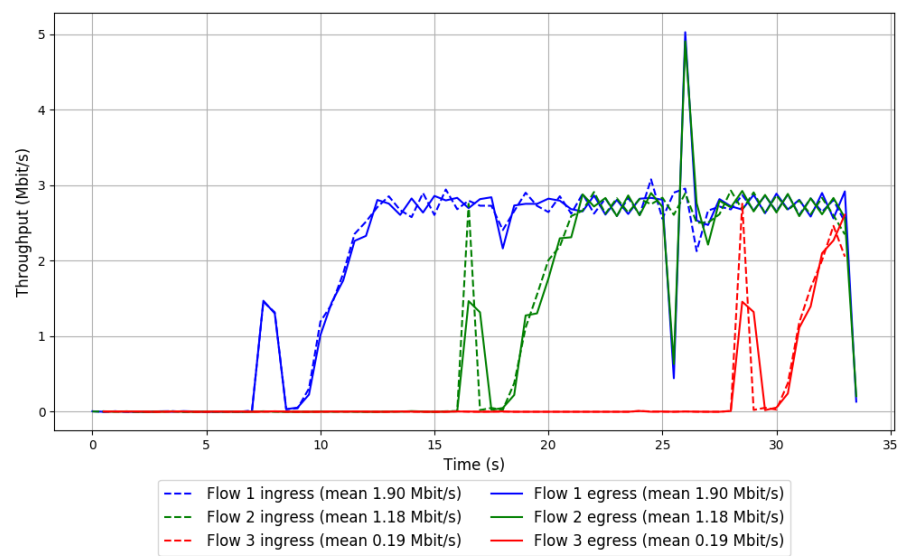


Run 2: Statistics of WebRTC media

Start at: 2018-02-01 02:00:48
End at: 2018-02-01 02:01:18
Local clock offset: 0.037 ms
Remote clock offset: -5.111 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 100.142 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 100.174 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 100.332 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 97.874 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

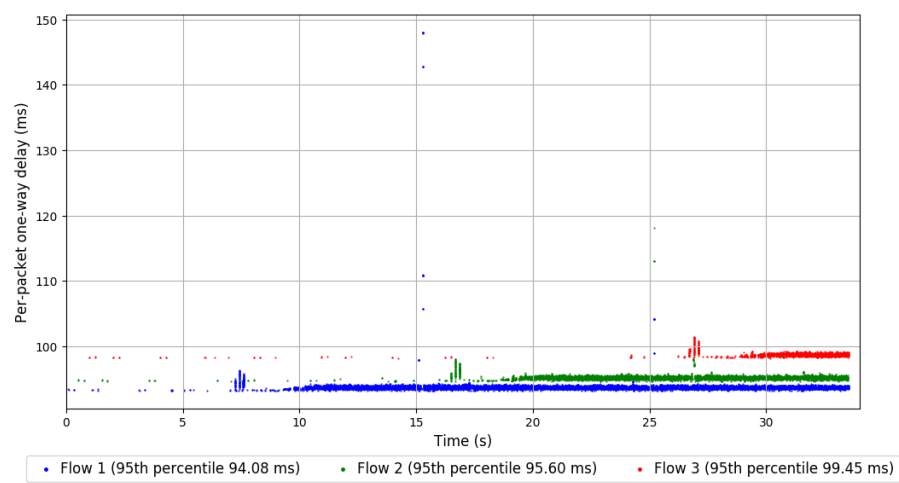
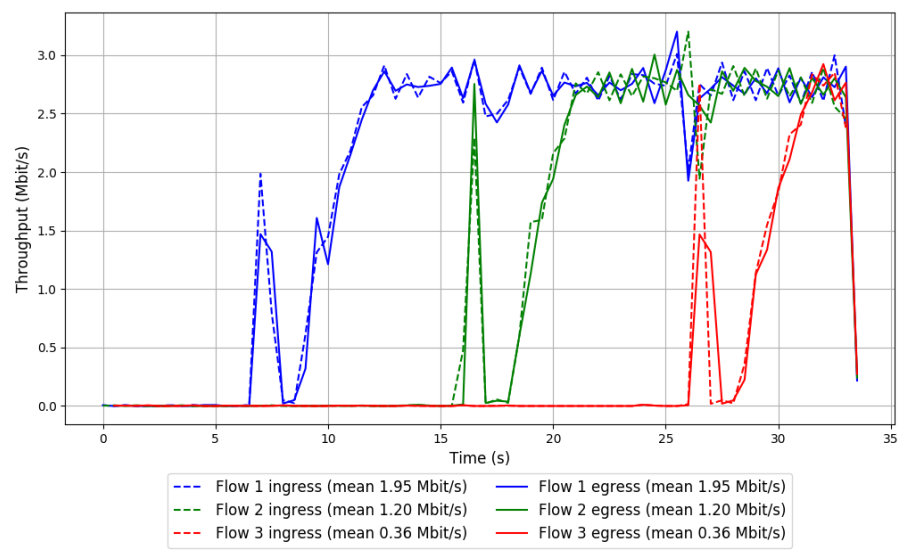


Run 3: Statistics of WebRTC media

Start at: 2018-02-01 02:24:38
End at: 2018-02-01 02:25:08
Local clock offset: 0.004 ms
Remote clock offset: -6.866 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 98.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 94.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 95.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 99.451 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

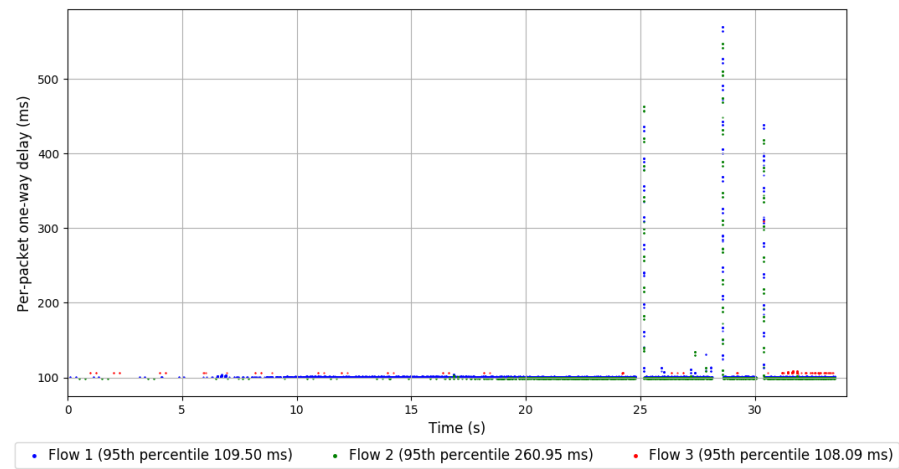
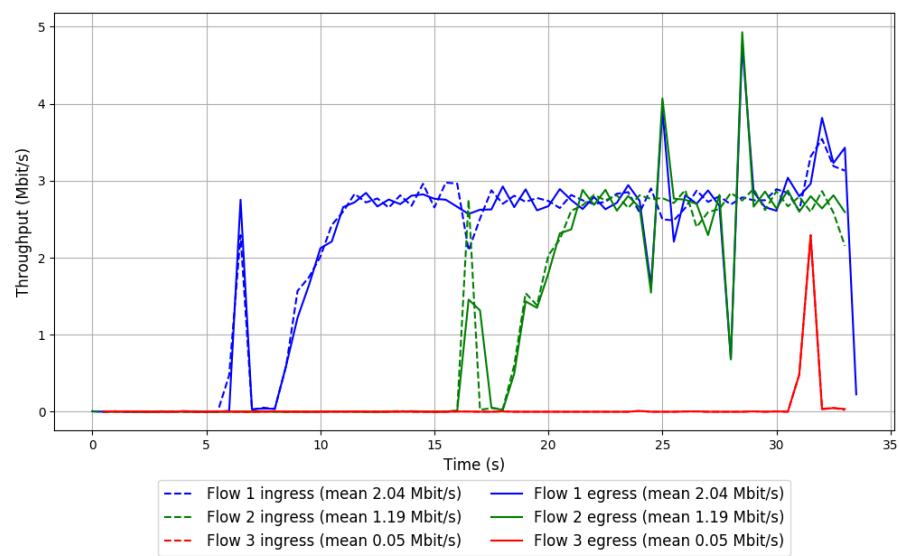


Run 4: Statistics of WebRTC media

Start at: 2018-02-01 02:48:24
End at: 2018-02-01 02:48:54
Local clock offset: -0.012 ms
Remote clock offset: -1.616 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 161.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 109.504 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 260.948 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 108.095 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

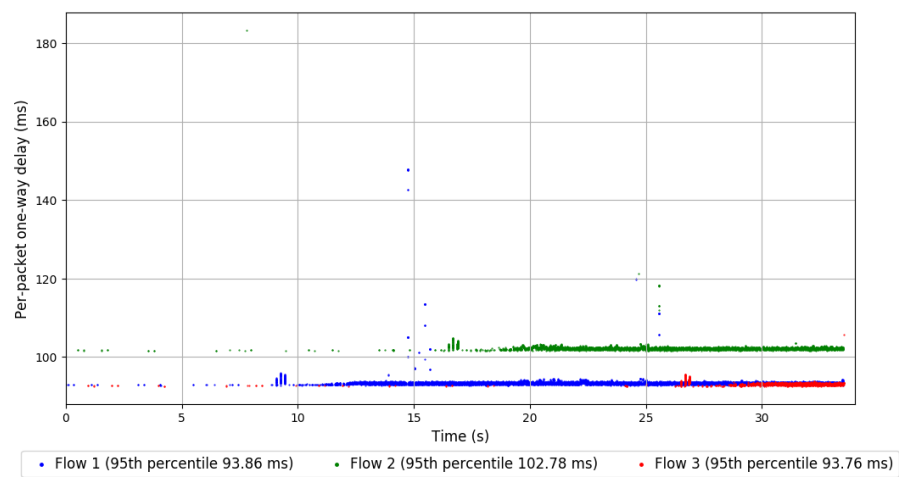
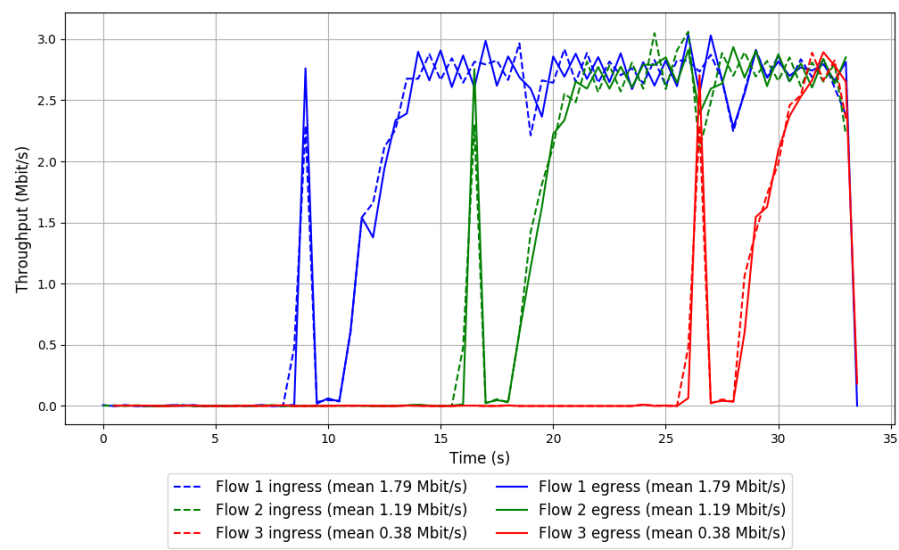


Run 5: Statistics of WebRTC media

Start at: 2018-02-01 03:12:16
End at: 2018-02-01 03:12:46
Local clock offset: -0.107 ms
Remote clock offset: -6.469 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 102.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 93.862 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 102.777 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 93.764 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-01 03:36:09

End at: 2018-02-01 03:36:39

Local clock offset: -0.214 ms

Remote clock offset: 1.06 ms

Below is generated by plot.py at 2018-02-01 06:01:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 107.087 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 102.117 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 100.255 ms

Loss rate: 0.03%

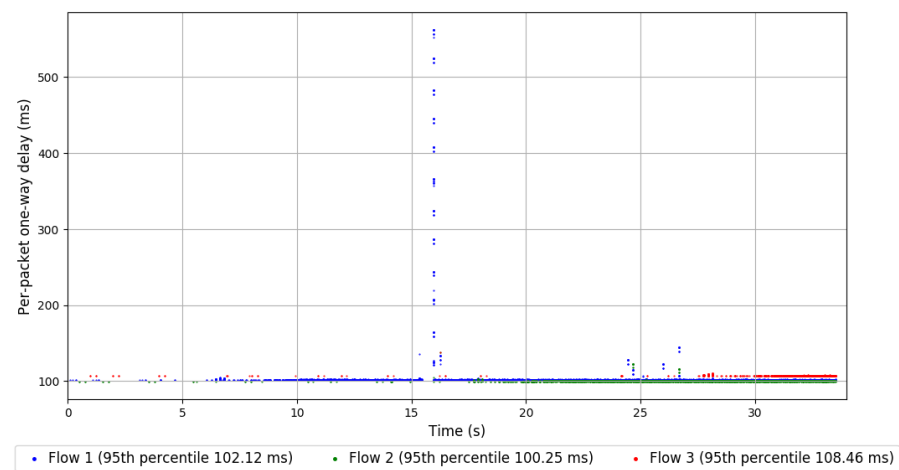
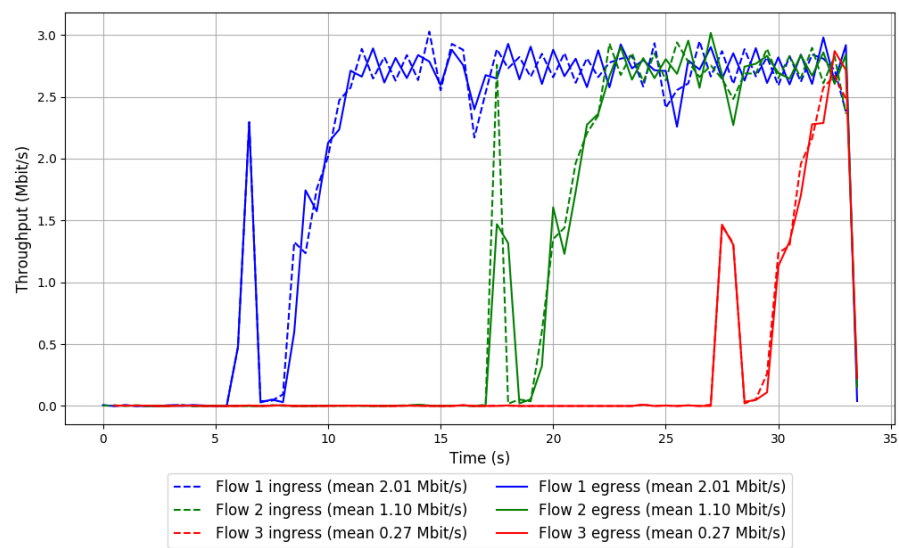
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 108.459 ms

Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link

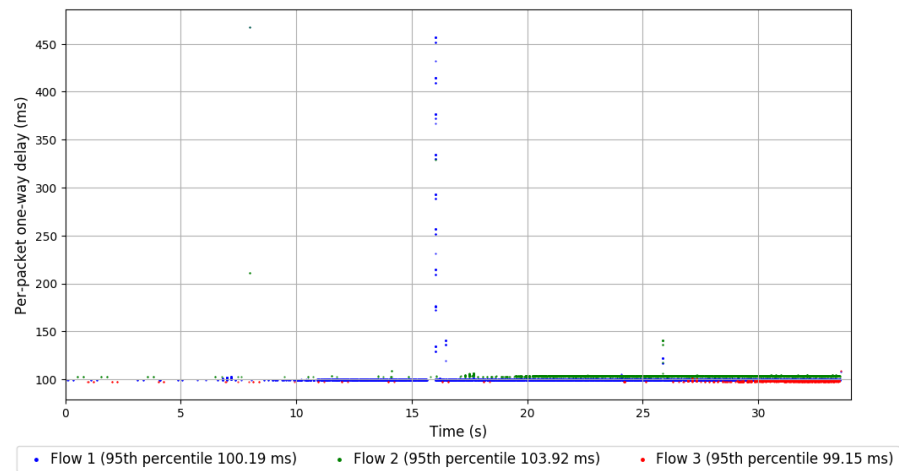
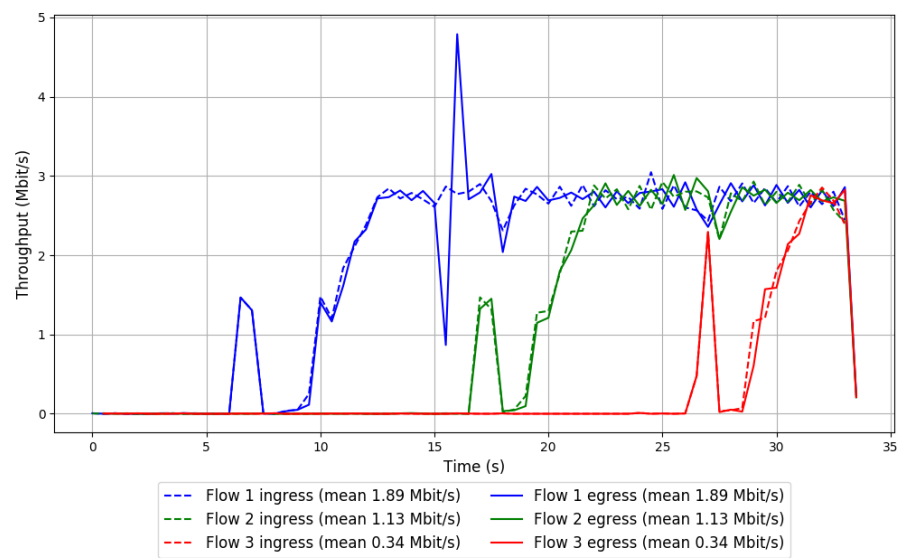


Run 7: Statistics of WebRTC media

Start at: 2018-02-01 04:00:01
End at: 2018-02-01 04:00:31
Local clock offset: -0.267 ms
Remote clock offset: -0.666 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 103.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 100.192 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 103.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 99.152 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

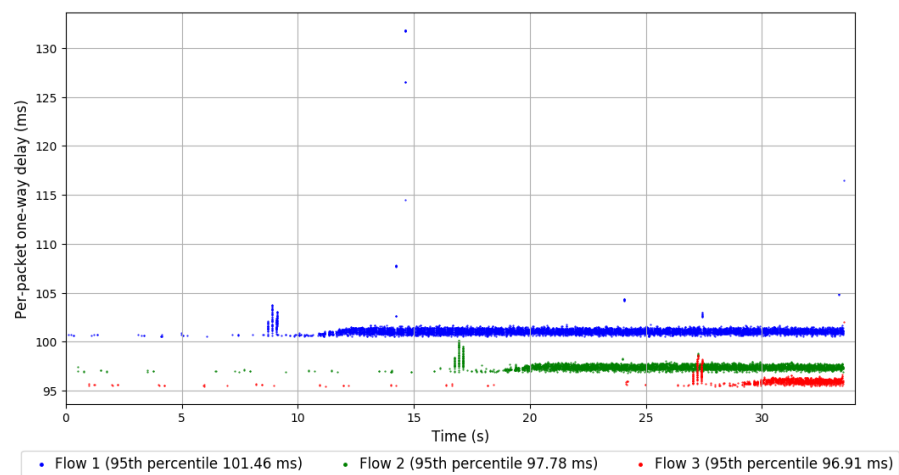
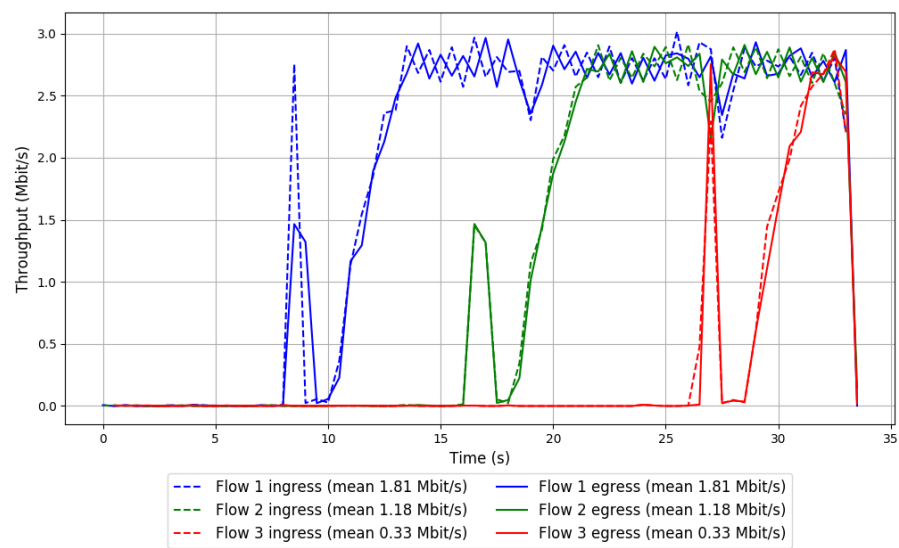


Run 8: Statistics of WebRTC media

Start at: 2018-02-01 04:23:50
End at: 2018-02-01 04:24:20
Local clock offset: -0.283 ms
Remote clock offset: -4.148 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 101.395 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 101.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 97.782 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 96.908 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

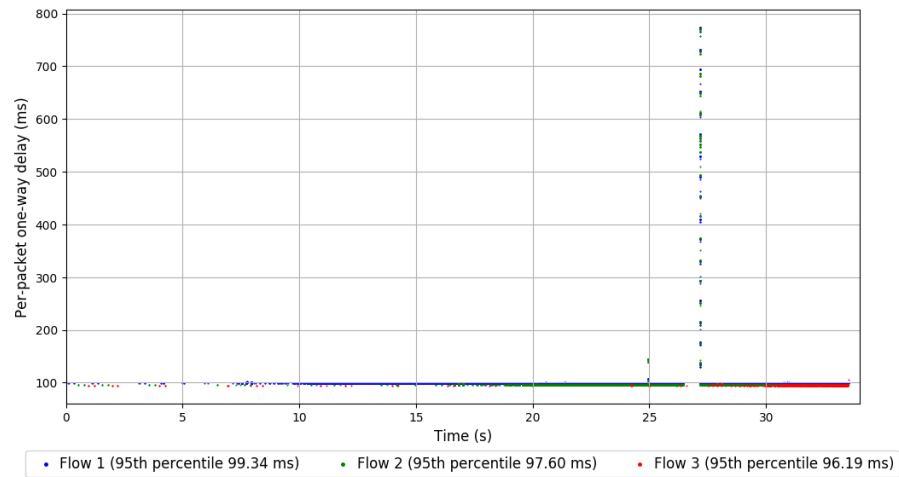
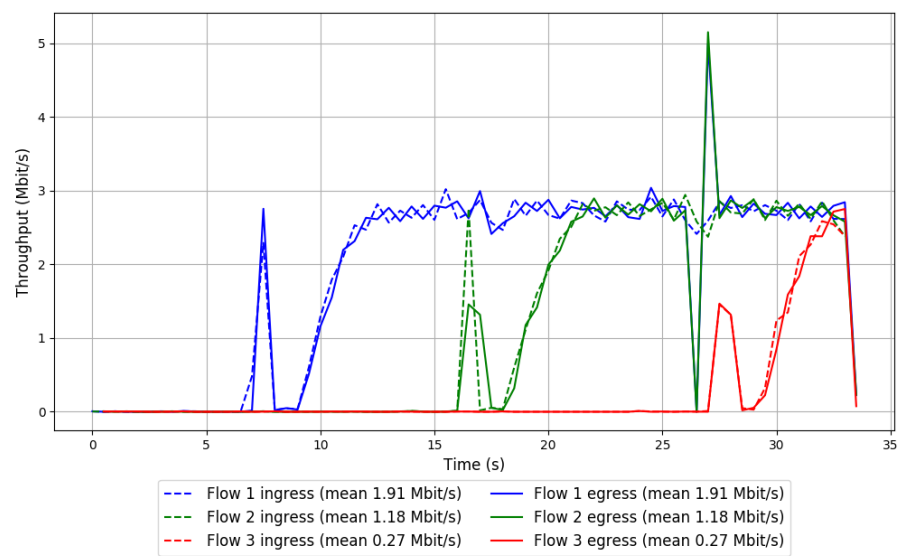


Run 9: Statistics of WebRTC media

Start at: 2018-02-01 04:47:35
End at: 2018-02-01 04:48:05
Local clock offset: -0.273 ms
Remote clock offset: -4.562 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 99.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 99.342 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 97.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 96.190 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-01 05:11:23

End at: 2018-02-01 05:11:53

Local clock offset: -0.305 ms

Remote clock offset: 1.849 ms

Below is generated by plot.py at 2018-02-01 06:01:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 107.915 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 108.050 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 98.137 ms

Loss rate: 0.00%

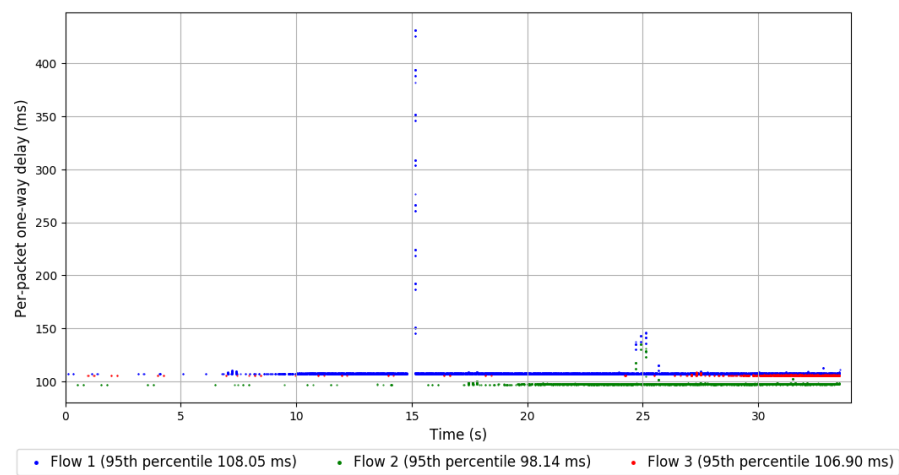
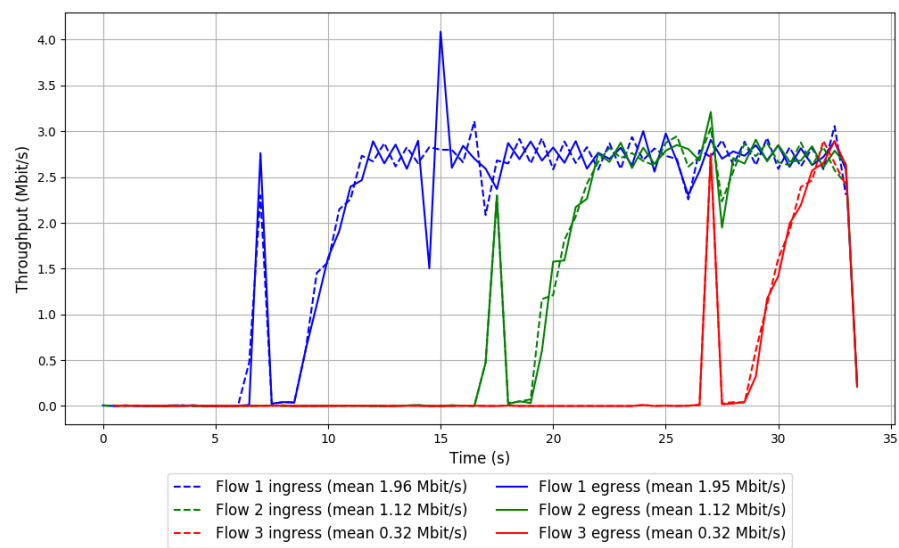
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 106.901 ms

Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-01 01:51:24

End at: 2018-02-01 01:51:54

Local clock offset: 0.062 ms

Remote clock offset: 0.729 ms

Below is generated by plot.py at 2018-02-01 06:01:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.58 Mbit/s

95th percentile per-packet one-way delay: 111.781 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.83 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 106.801 ms

Loss rate: 0.00%

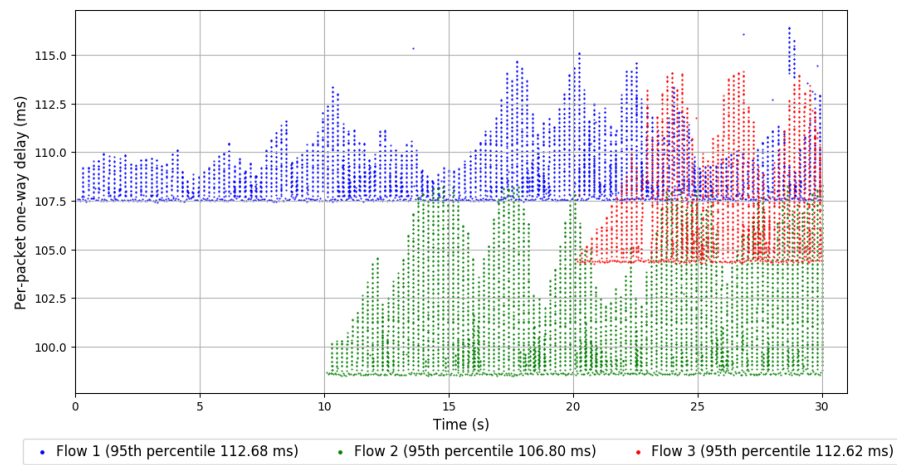
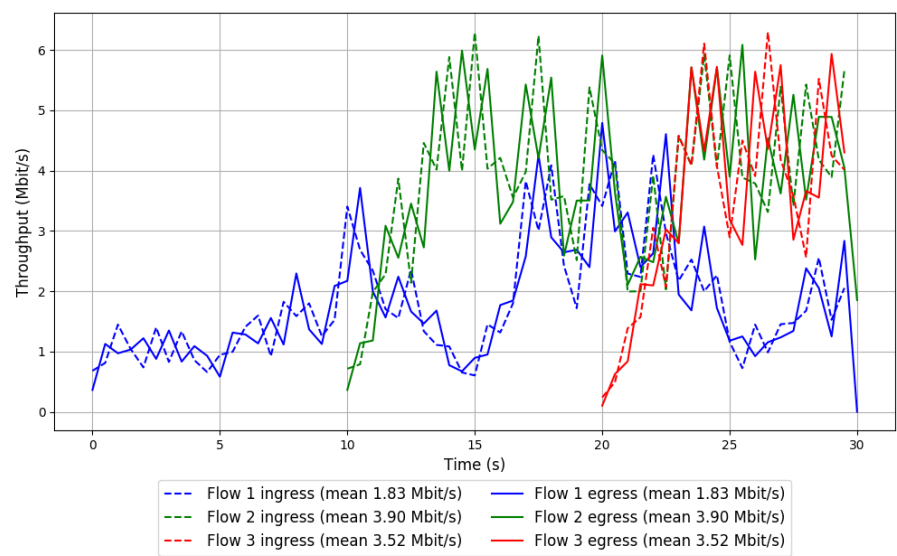
-- Flow 3:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 112.623 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

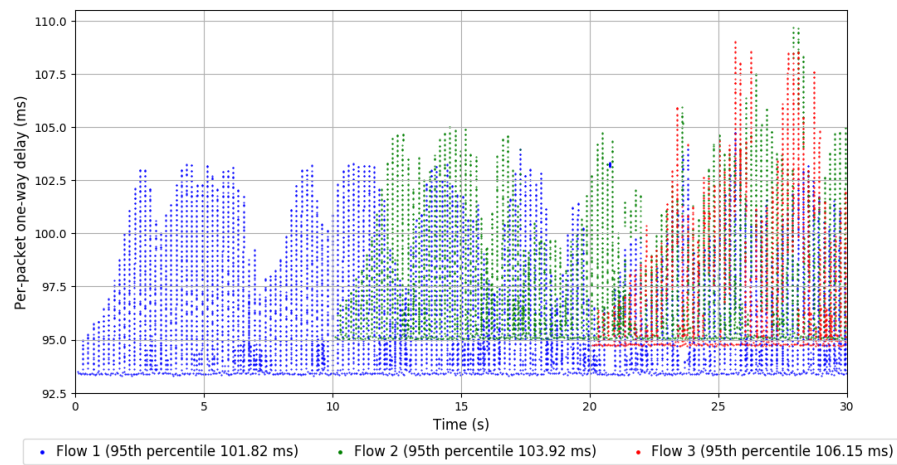
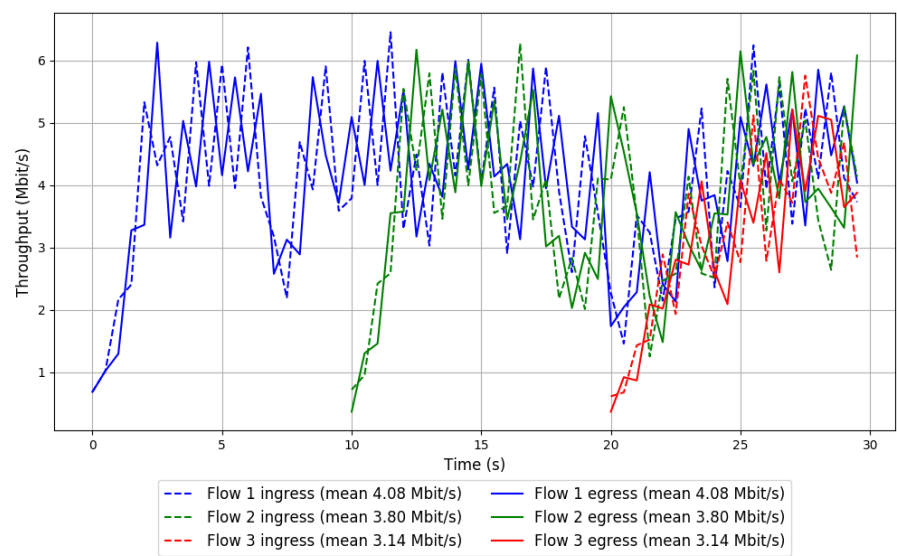


Run 2: Statistics of Sprout

Start at: 2018-02-01 02:15:14
End at: 2018-02-01 02:15:44
Local clock offset: -0.069 ms
Remote clock offset: -6.859 ms

```
# Below is generated by plot.py at 2018-02-01 06:01:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 103.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 101.820 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 103.925 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 106.150 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

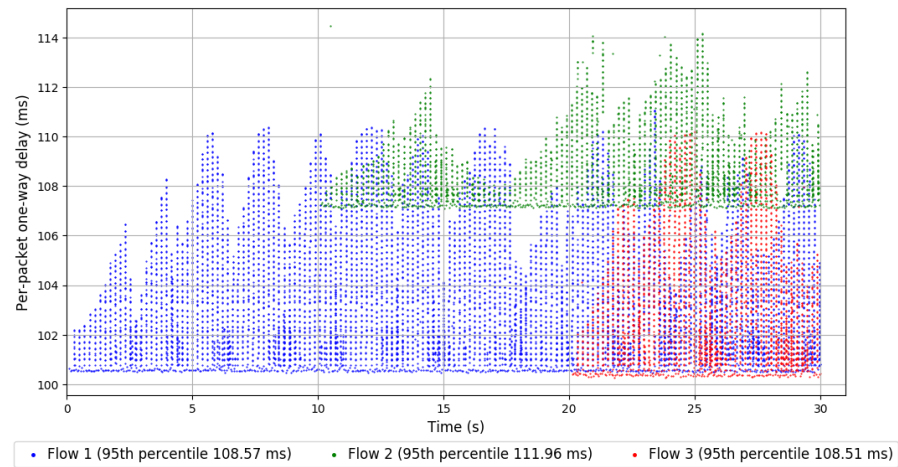
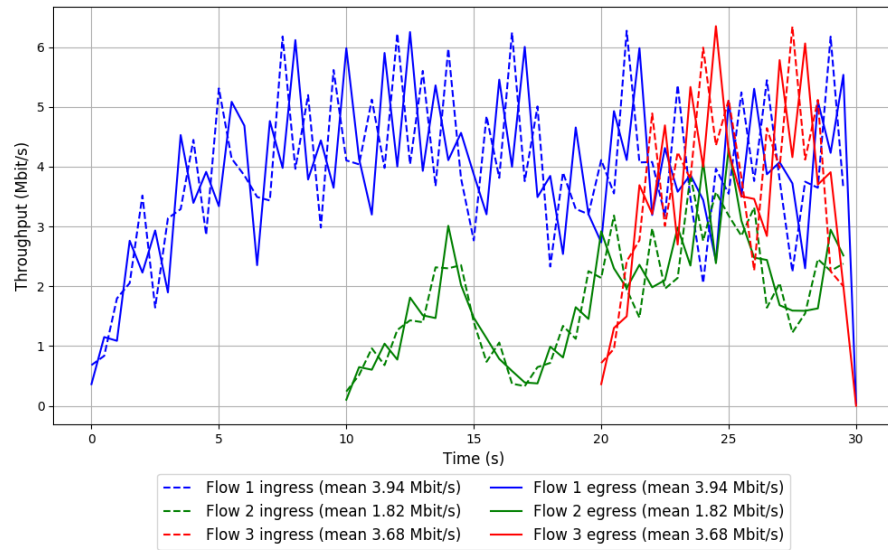


Run 3: Statistics of Sprout

Start at: 2018-02-01 02:39:02
End at: 2018-02-01 02:39:32
Local clock offset: -0.006 ms
Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 110.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 108.568 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 111.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 108.508 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

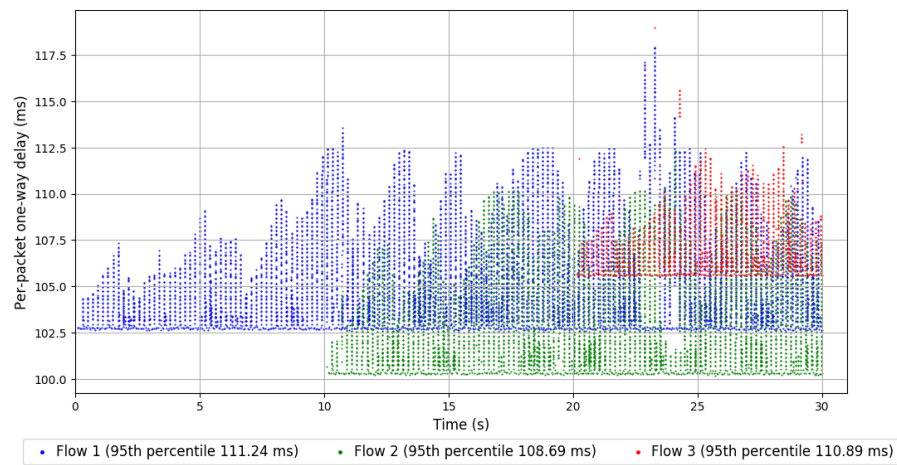
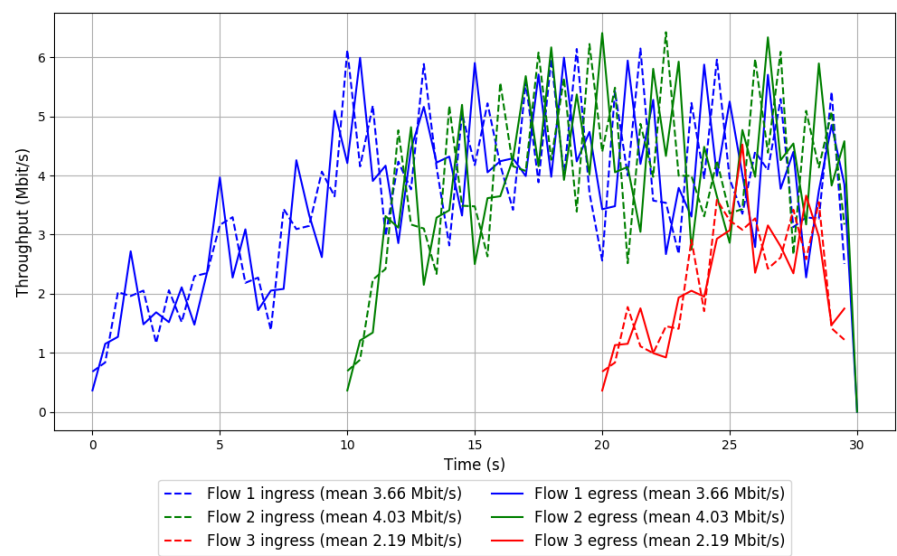


Run 4: Statistics of Sprout

Start at: 2018-02-01 03:02:52
End at: 2018-02-01 03:03:22
Local clock offset: -0.091 ms
Remote clock offset: -1.068 ms

```
# Below is generated by plot.py at 2018-02-01 06:01:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 110.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 111.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 108.695 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 110.885 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

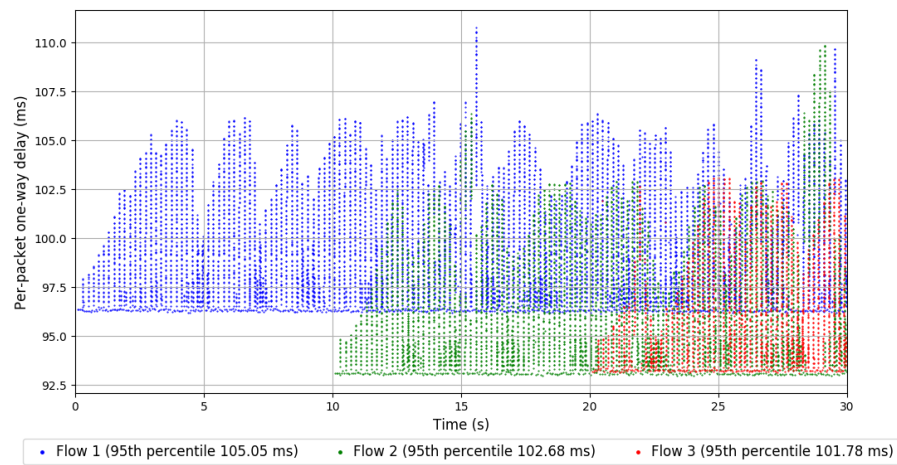
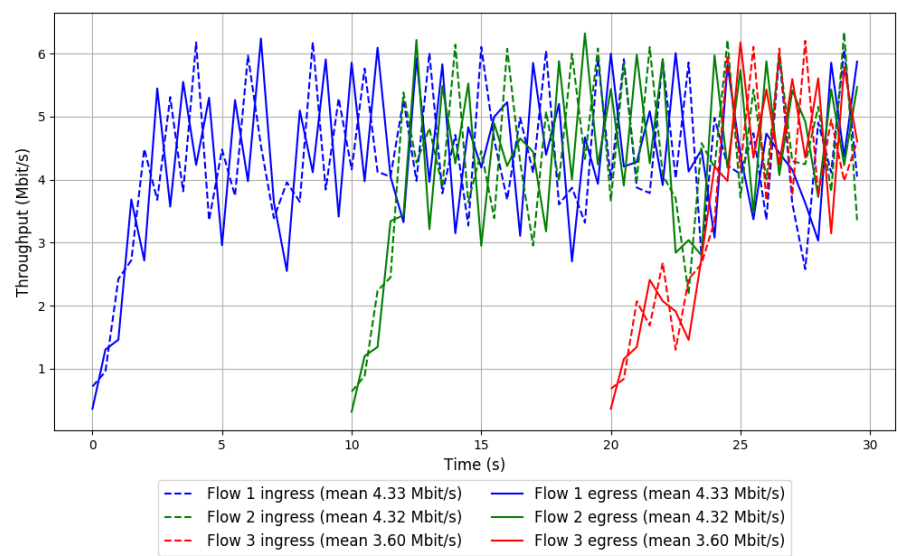


Run 5: Statistics of Sprout

Start at: 2018-02-01 03:26:44
End at: 2018-02-01 03:27:14
Local clock offset: -0.152 ms
Remote clock offset: -6.071 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 104.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 105.046 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 102.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 101.778 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-01 03:50:33

End at: 2018-02-01 03:51:03

Local clock offset: -0.23 ms

Remote clock offset: 1.041 ms

Below is generated by plot.py at 2018-02-01 06:01:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.27 Mbit/s

95th percentile per-packet one-way delay: 110.298 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 3.20 Mbit/s

95th percentile per-packet one-way delay: 109.518 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.85 Mbit/s

95th percentile per-packet one-way delay: 111.746 ms

Loss rate: 0.00%

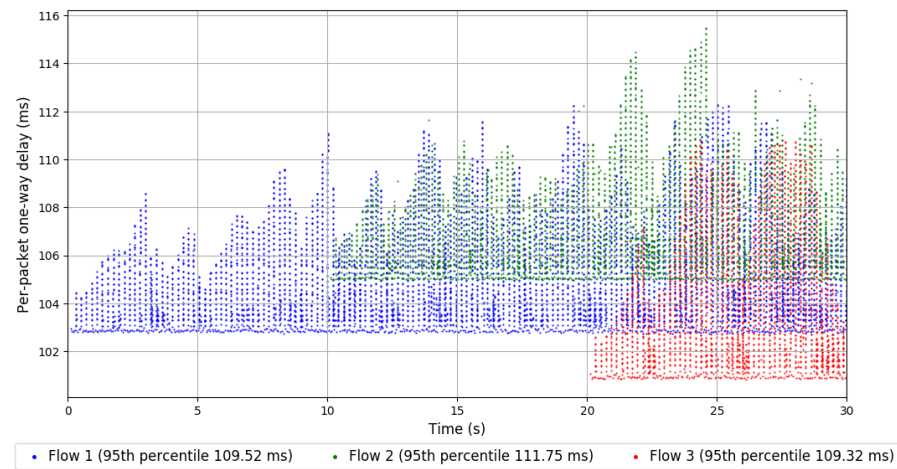
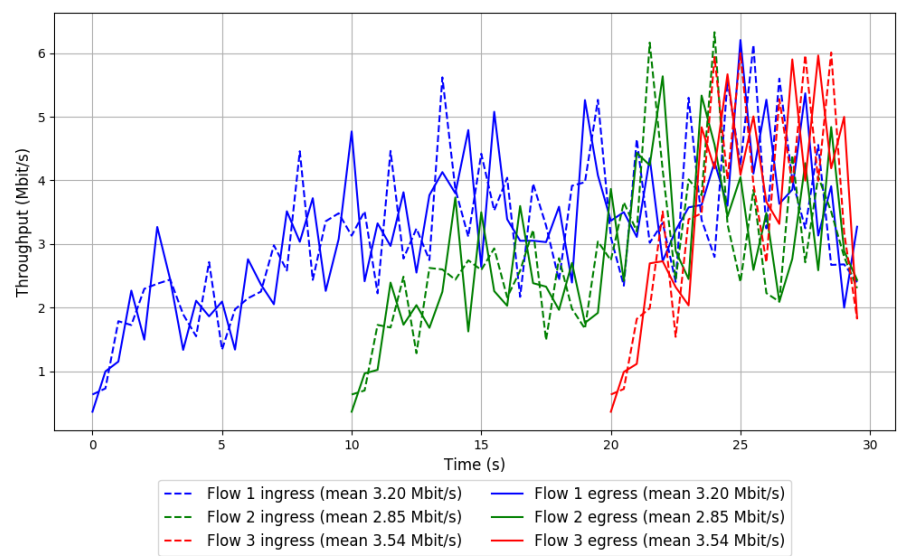
-- Flow 3:

Average throughput: 3.54 Mbit/s

95th percentile per-packet one-way delay: 109.319 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

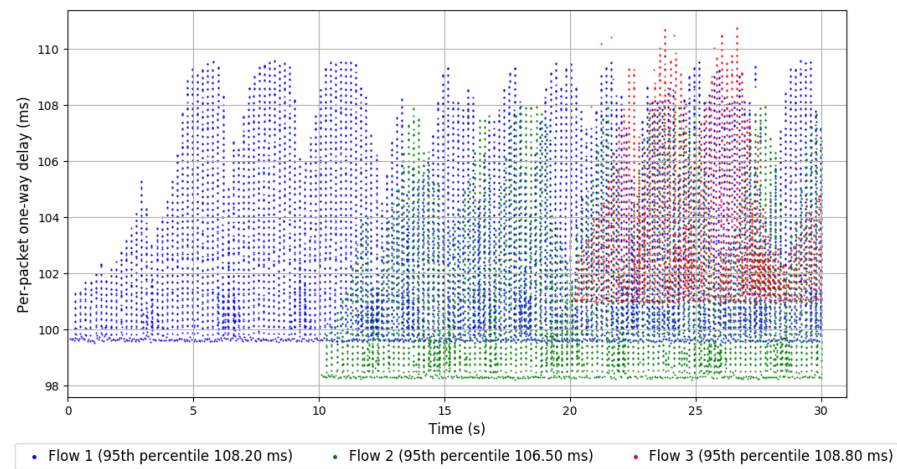
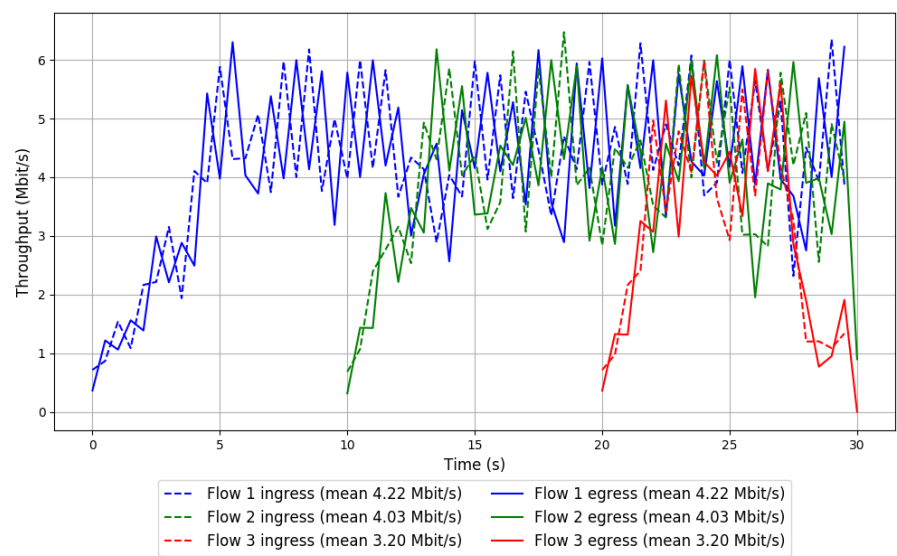


Run 7: Statistics of Sprout

Start at: 2018-02-01 04:14:25
End at: 2018-02-01 04:14:55
Local clock offset: -0.364 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 107.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 108.204 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 106.504 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 108.801 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

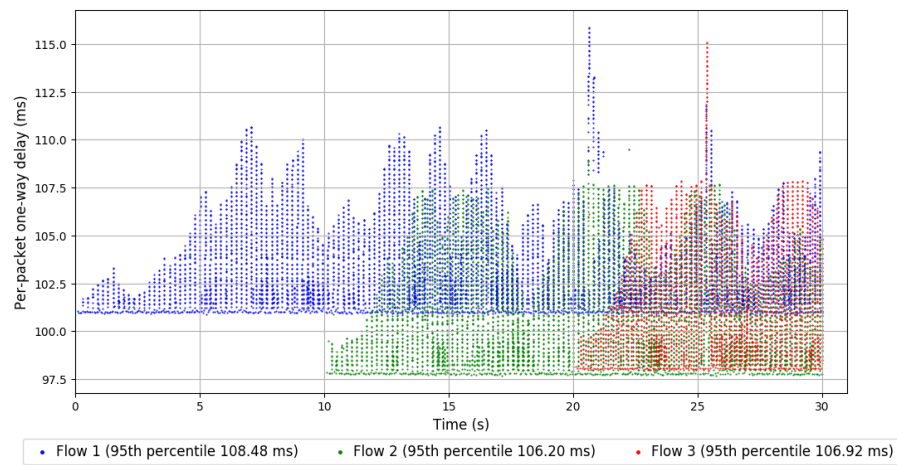
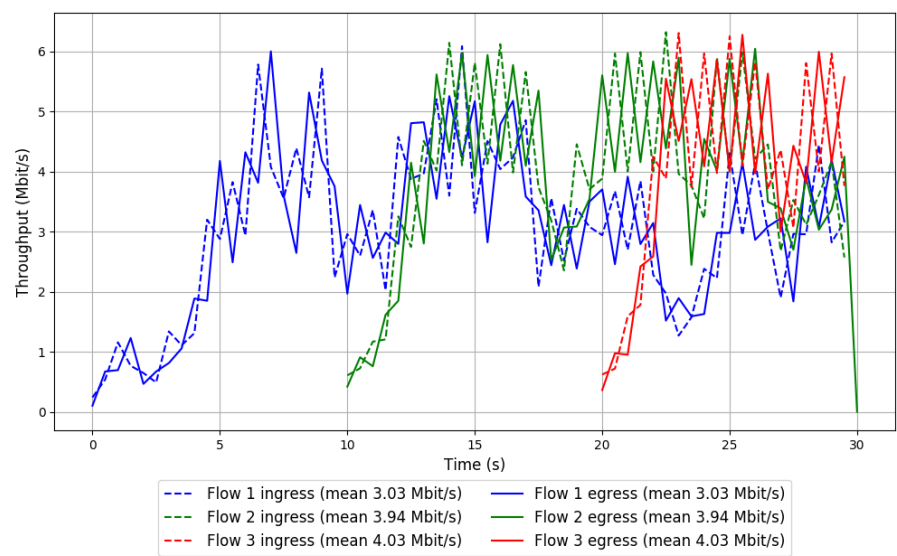


Run 8: Statistics of Sprout

Start at: 2018-02-01 04:38:13
End at: 2018-02-01 04:38:43
Local clock offset: -0.304 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 107.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 108.484 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 106.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 106.915 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

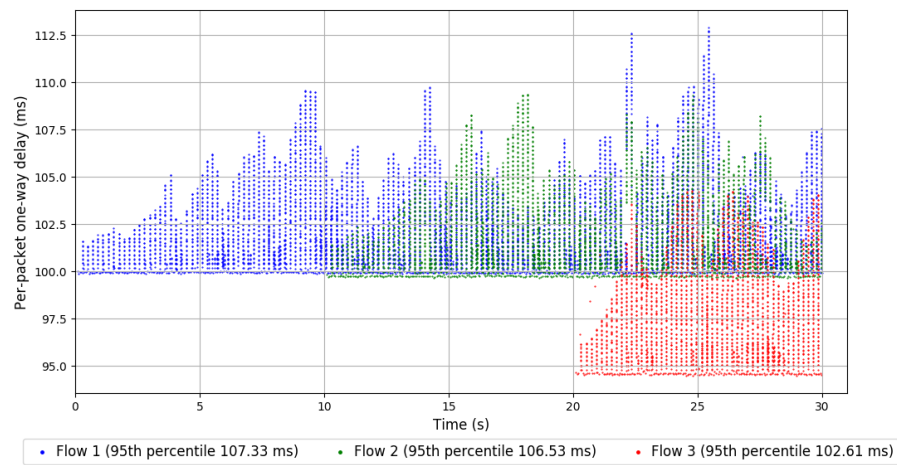
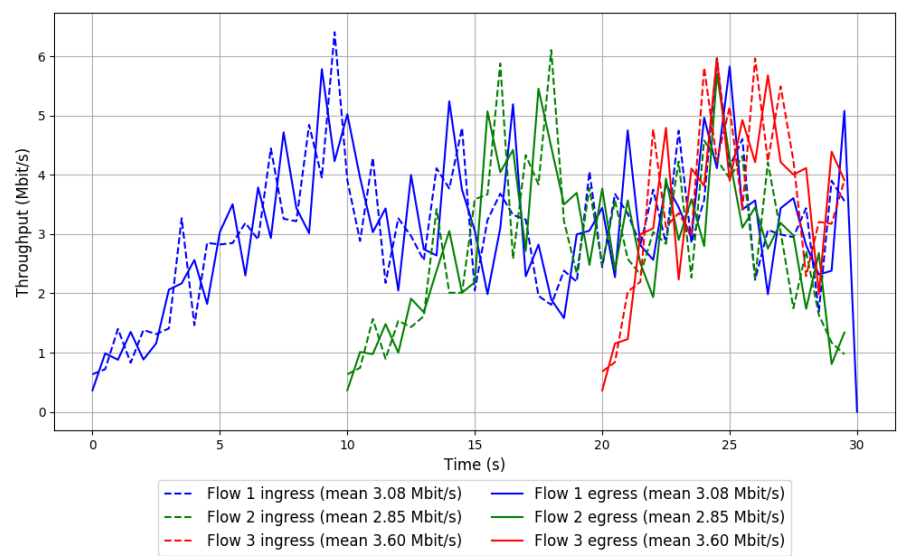


Run 9: Statistics of Sprout

Start at: 2018-02-01 05:01:58
End at: 2018-02-01 05:02:28
Local clock offset: -0.353 ms
Remote clock offset: -4.099 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 106.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 107.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 106.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 102.614 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

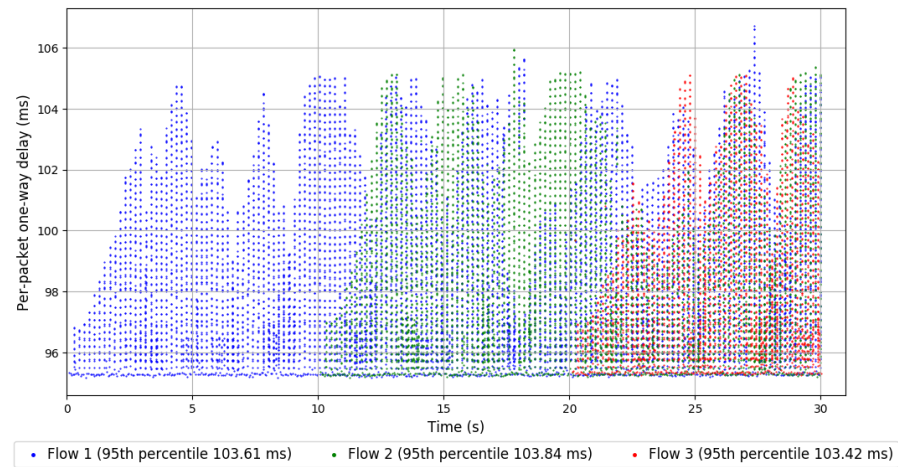
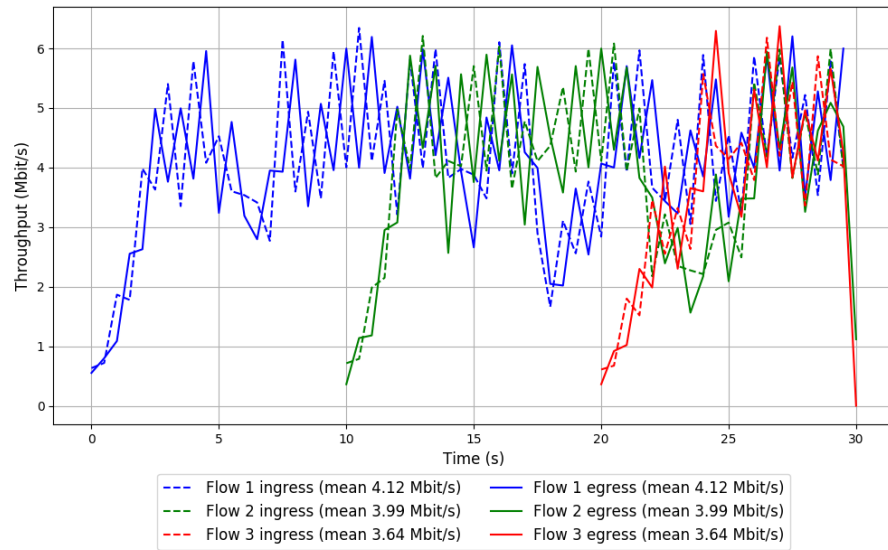


Run 10: Statistics of Sprout

Start at: 2018-02-01 05:25:48
End at: 2018-02-01 05:26:18
Local clock offset: -0.247 ms
Remote clock offset: -3.11 ms

Below is generated by plot.py at 2018-02-01 06:01:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 103.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 103.615 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 103.838 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 103.421 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

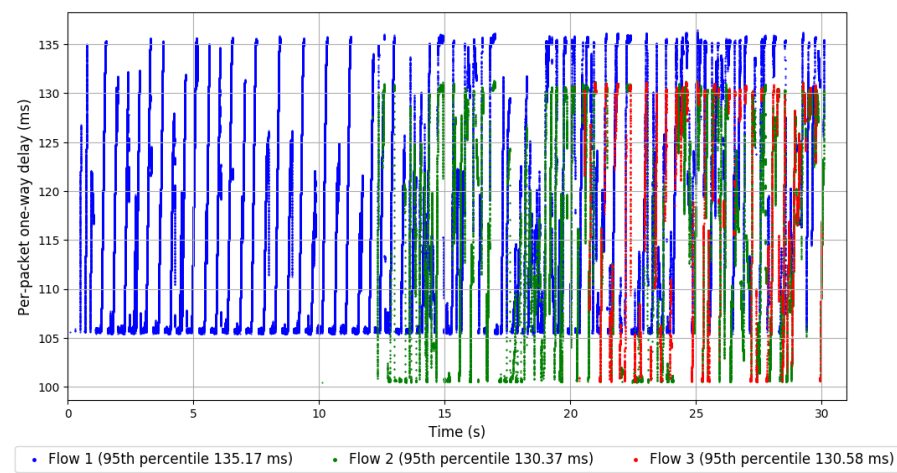
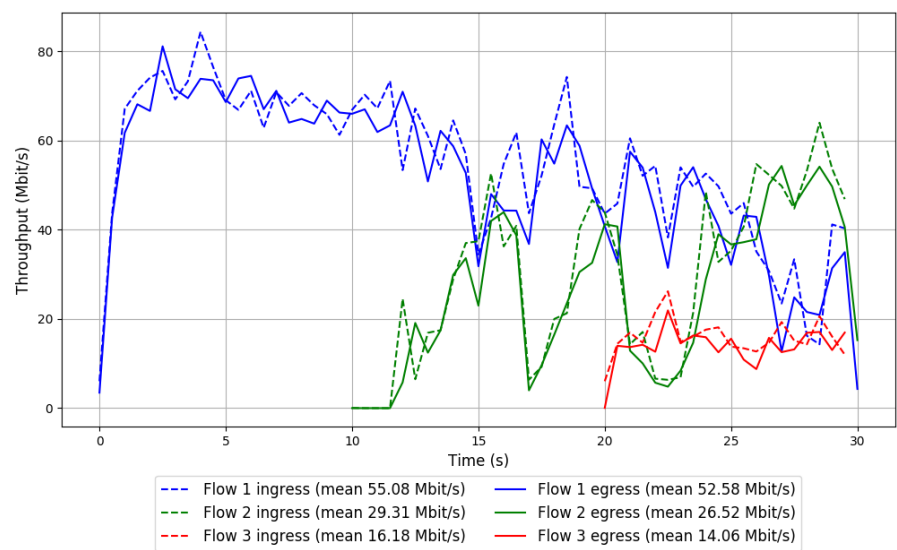


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-01 01:46:06
End at: 2018-02-01 01:46:36
Local clock offset: 0.097 ms
Remote clock offset: 0.876 ms

# Below is generated by plot.py at 2018-02-01 06:02:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.86 Mbit/s
95th percentile per-packet one-way delay: 134.931 ms
Loss rate: 6.22%
-- Flow 1:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 135.168 ms
Loss rate: 4.43%
-- Flow 2:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 130.372 ms
Loss rate: 9.36%
-- Flow 3:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 130.583 ms
Loss rate: 13.22%
```


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

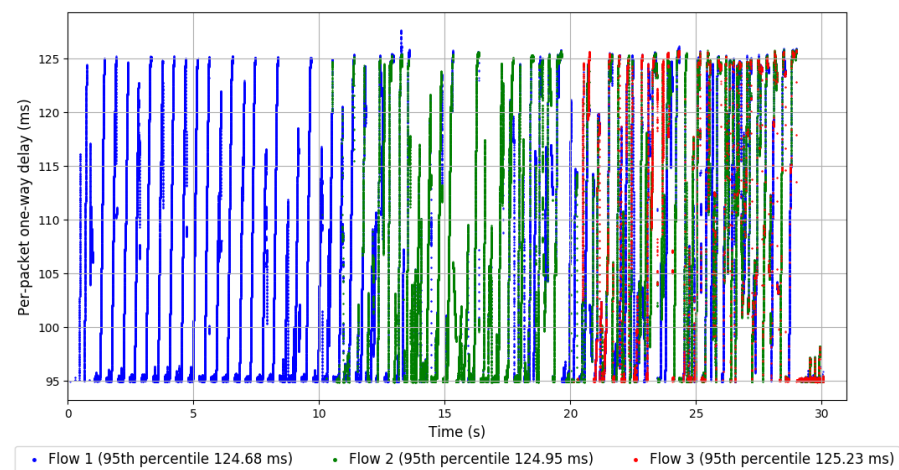
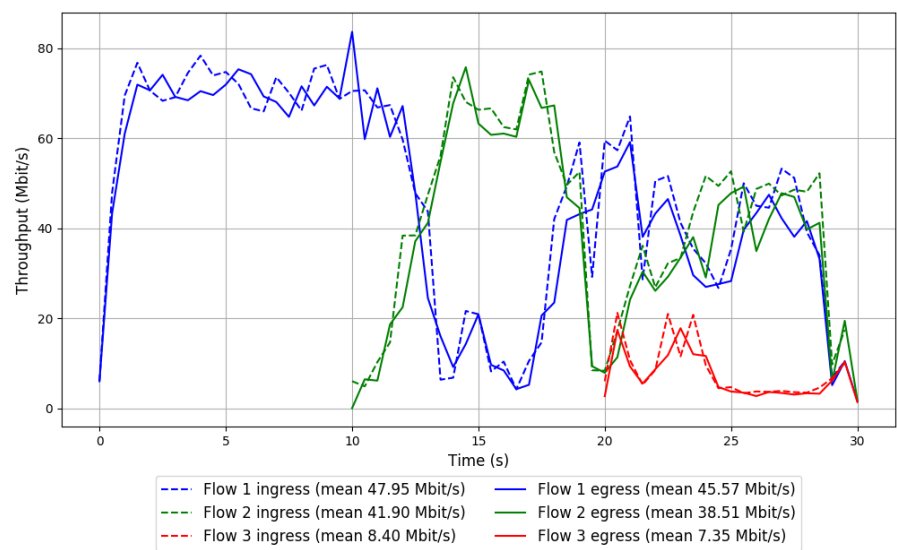


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-01 02:09:56
End at: 2018-02-01 02:10:26
Local clock offset: 0.002 ms
Remote clock offset: -6.365 ms

Below is generated by plot.py at 2018-02-01 06:02:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 124.796 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 45.57 Mbit/s
95th percentile per-packet one-way delay: 124.677 ms
Loss rate: 4.96%
-- Flow 2:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 124.951 ms
Loss rate: 8.16%
-- Flow 3:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 125.230 ms
Loss rate: 12.40%

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

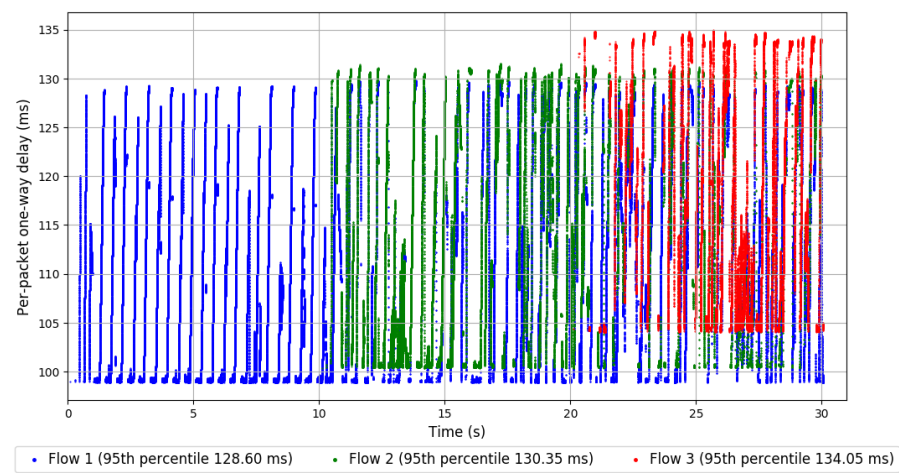
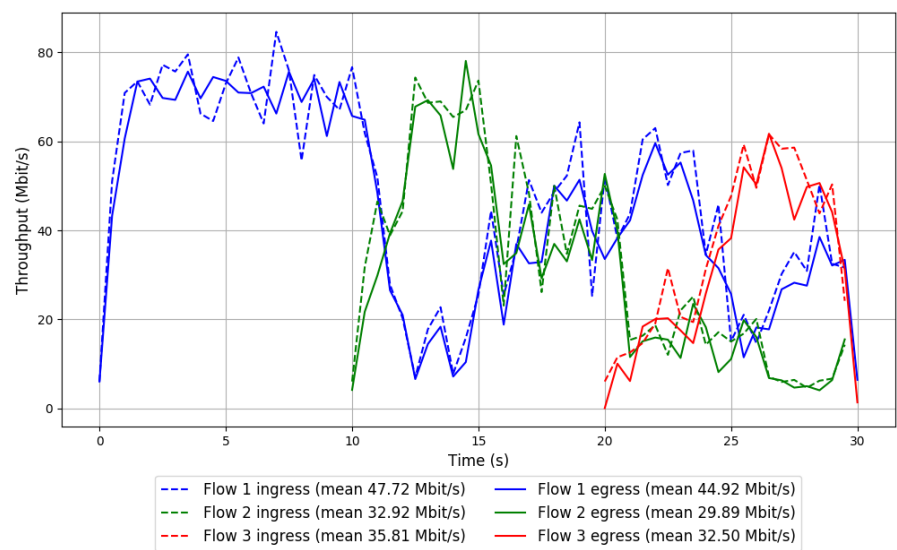


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-01 02:33:44
End at: 2018-02-01 02:34:14
Local clock offset: 0.014 ms
Remote clock offset: -1.442 ms

Below is generated by plot.py at 2018-02-01 06:02:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.51 Mbit/s
95th percentile per-packet one-way delay: 130.041 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 128.604 ms
Loss rate: 5.87%
-- Flow 2:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 130.348 ms
Loss rate: 9.06%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 134.052 ms
Loss rate: 9.23%

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

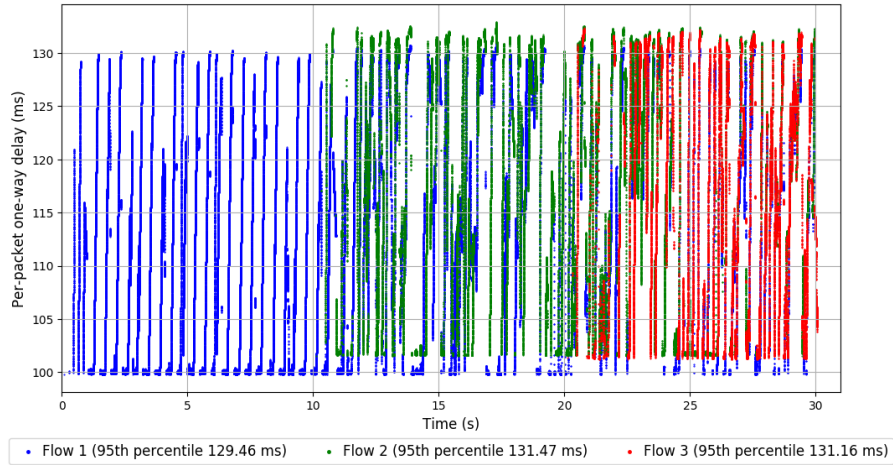
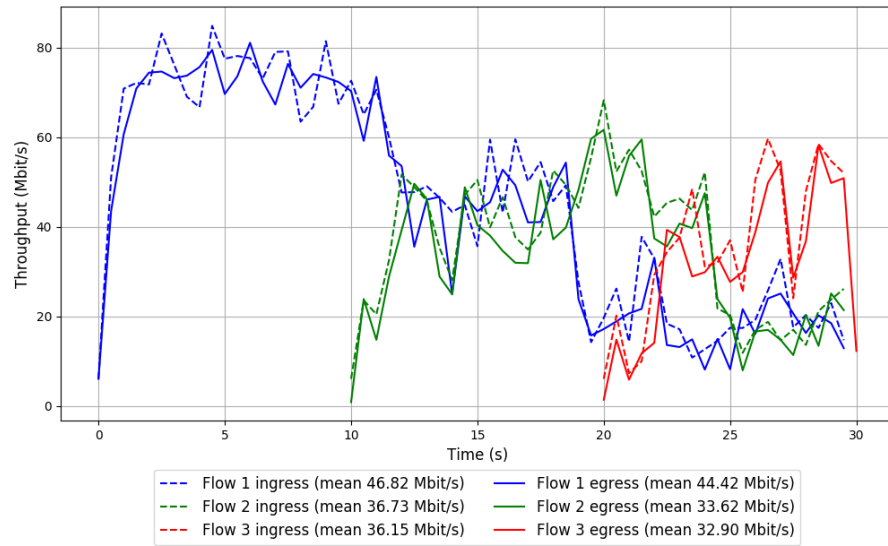


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-01 02:57:32
End at: 2018-02-01 02:58:02
Local clock offset: -0.049 ms
Remote clock offset: -0.505 ms

Below is generated by plot.py at 2018-02-01 06:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 130.683 ms
Loss rate: 6.56%
-- Flow 1:
Average throughput: 44.42 Mbit/s
95th percentile per-packet one-way delay: 129.458 ms
Loss rate: 5.04%
-- Flow 2:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 131.470 ms
Loss rate: 8.31%
-- Flow 3:
Average throughput: 32.90 Mbit/s
95th percentile per-packet one-way delay: 131.165 ms
Loss rate: 8.95%

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

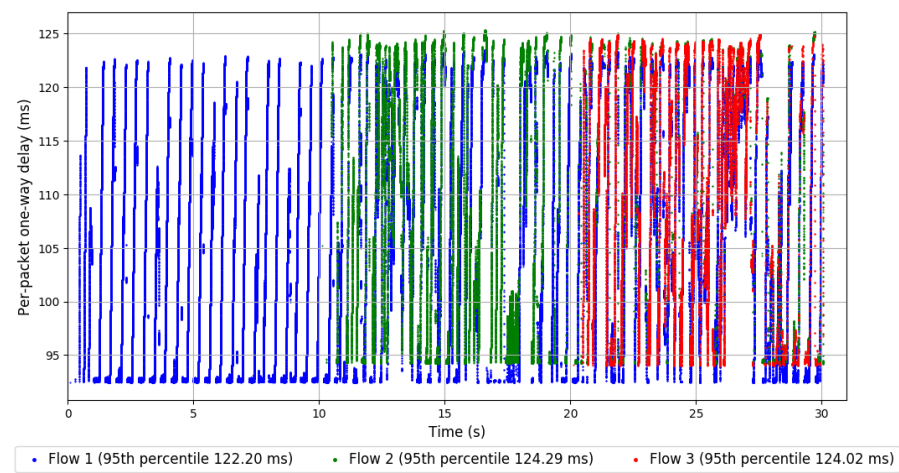
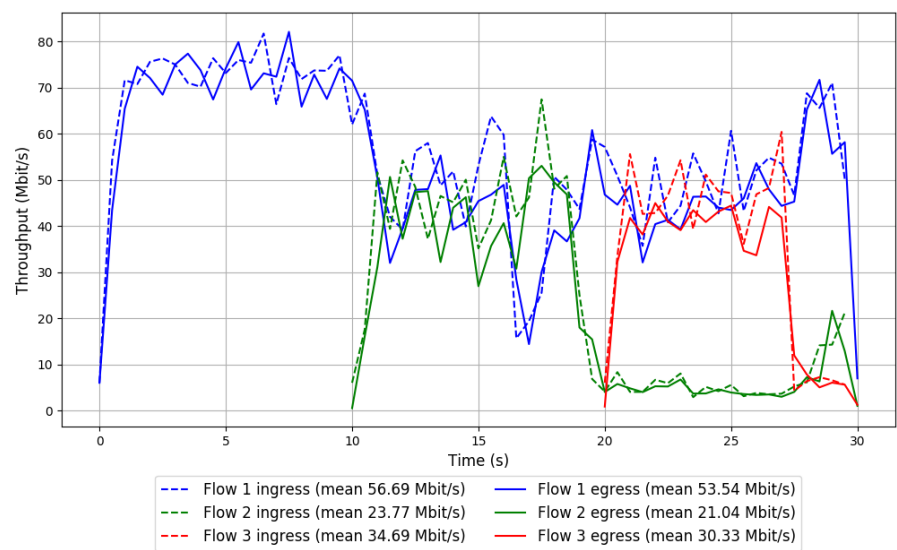


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-01 03:21:23
End at: 2018-02-01 03:21:53
Local clock offset: -0.203 ms
Remote clock offset: -5.485 ms

Below is generated by plot.py at 2018-02-01 06:03:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 123.452 ms
Loss rate: 7.58%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 122.196 ms
Loss rate: 5.46%
-- Flow 2:
Average throughput: 21.04 Mbit/s
95th percentile per-packet one-way delay: 124.289 ms
Loss rate: 11.57%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 124.017 ms
Loss rate: 12.55%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-01 03:45:15

End at: 2018-02-01 03:45:45

Local clock offset: -0.232 ms

Remote clock offset: 0.984 ms

Below is generated by plot.py at 2018-02-01 06:03:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.43 Mbit/s

95th percentile per-packet one-way delay: 132.995 ms

Loss rate: 5.74%

-- Flow 1:

Average throughput: 38.91 Mbit/s

95th percentile per-packet one-way delay: 129.607 ms

Loss rate: 4.51%

-- Flow 2:

Average throughput: 44.62 Mbit/s

95th percentile per-packet one-way delay: 136.231 ms

Loss rate: 5.07%

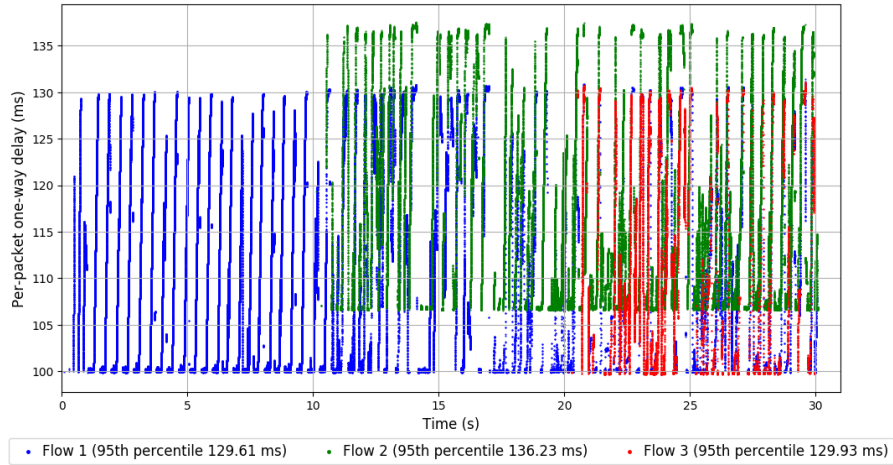
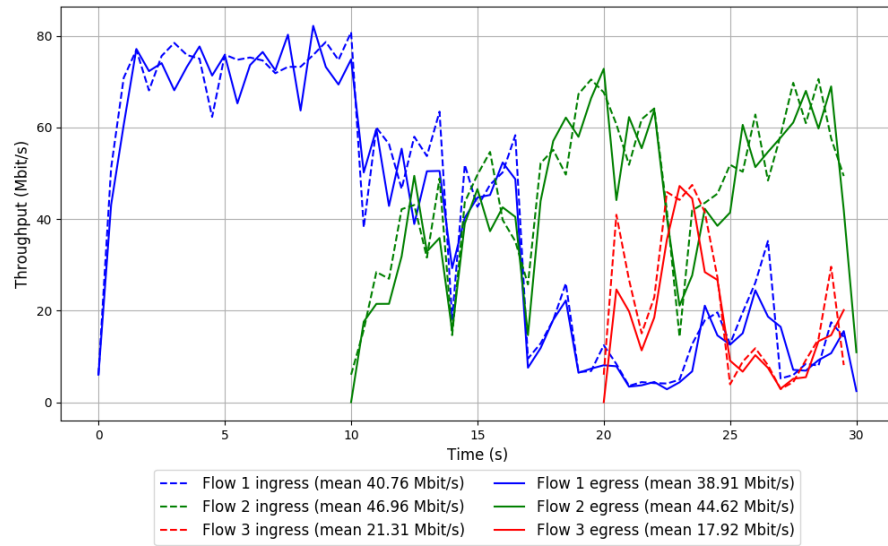
-- Flow 3:

Average throughput: 17.92 Mbit/s

95th percentile per-packet one-way delay: 129.929 ms

Loss rate: 15.91%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-01 04:09:07

End at: 2018-02-01 04:09:37

Local clock offset: -0.299 ms

Remote clock offset: 1.413 ms

Below is generated by plot.py at 2018-02-01 06:03:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.91 Mbit/s

95th percentile per-packet one-way delay: 131.864 ms

Loss rate: 4.86%

-- Flow 1:

Average throughput: 45.48 Mbit/s

95th percentile per-packet one-way delay: 132.526 ms

Loss rate: 3.74%

-- Flow 2:

Average throughput: 35.91 Mbit/s

95th percentile per-packet one-way delay: 131.370 ms

Loss rate: 6.53%

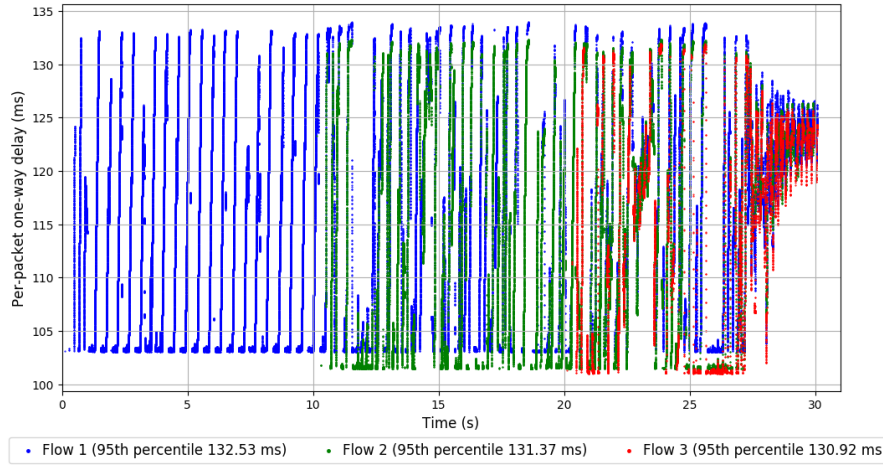
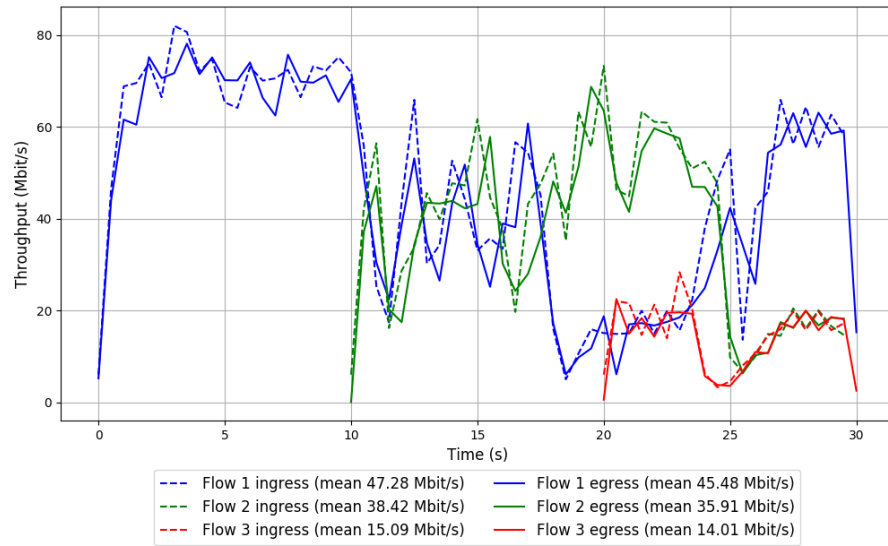
-- Flow 3:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 130.918 ms

Loss rate: 6.94%

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

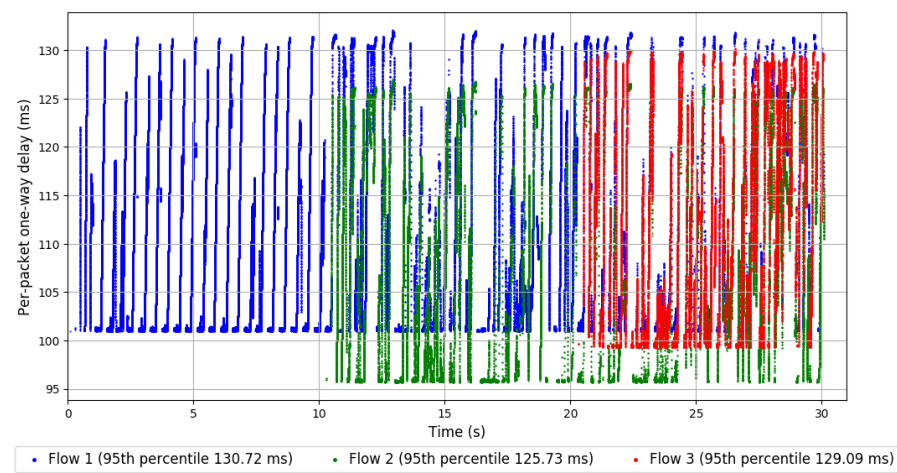
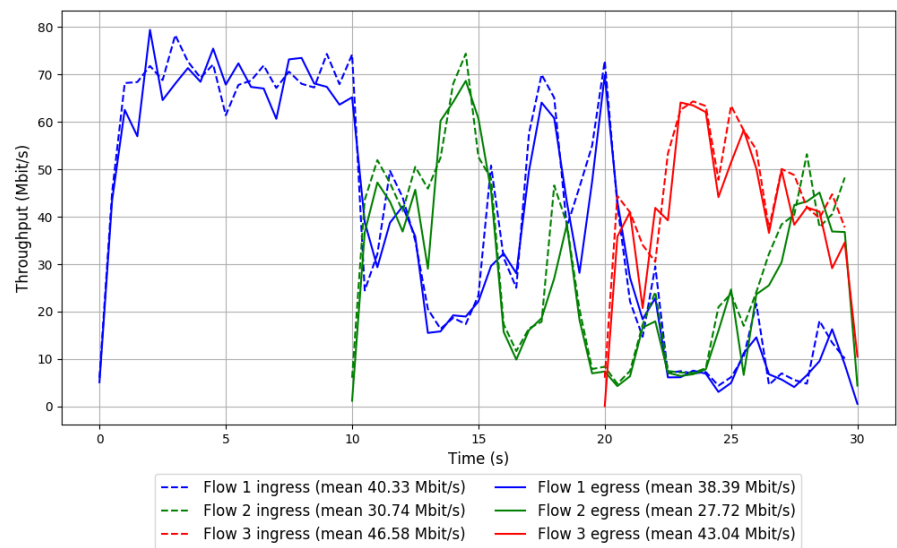


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-01 04:32:56
End at: 2018-02-01 04:33:26
Local clock offset: -0.296 ms
Remote clock offset: -4.167 ms

Below is generated by plot.py at 2018-02-01 06:03:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.09 Mbit/s
95th percentile per-packet one-way delay: 129.830 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 130.720 ms
Loss rate: 4.77%
-- Flow 2:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 125.732 ms
Loss rate: 9.82%
-- Flow 3:
Average throughput: 43.04 Mbit/s
95th percentile per-packet one-way delay: 129.092 ms
Loss rate: 7.50%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-01 04:56:40

End at: 2018-02-01 04:57:10

Local clock offset: -0.298 ms

Remote clock offset: 0.574 ms

Below is generated by plot.py at 2018-02-01 06:04:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.45 Mbit/s

95th percentile per-packet one-way delay: 134.145 ms

Loss rate: 6.48%

-- Flow 1:

Average throughput: 47.19 Mbit/s

95th percentile per-packet one-way delay: 134.320 ms

Loss rate: 4.73%

-- Flow 2:

Average throughput: 21.69 Mbit/s

95th percentile per-packet one-way delay: 131.724 ms

Loss rate: 9.31%

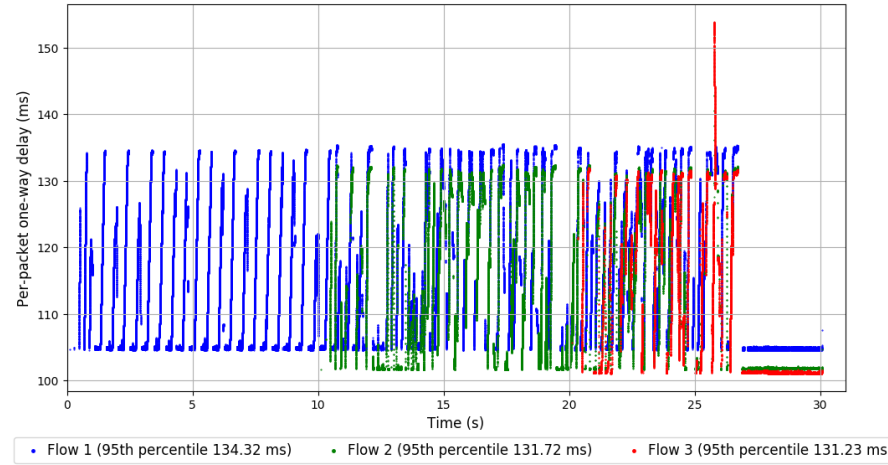
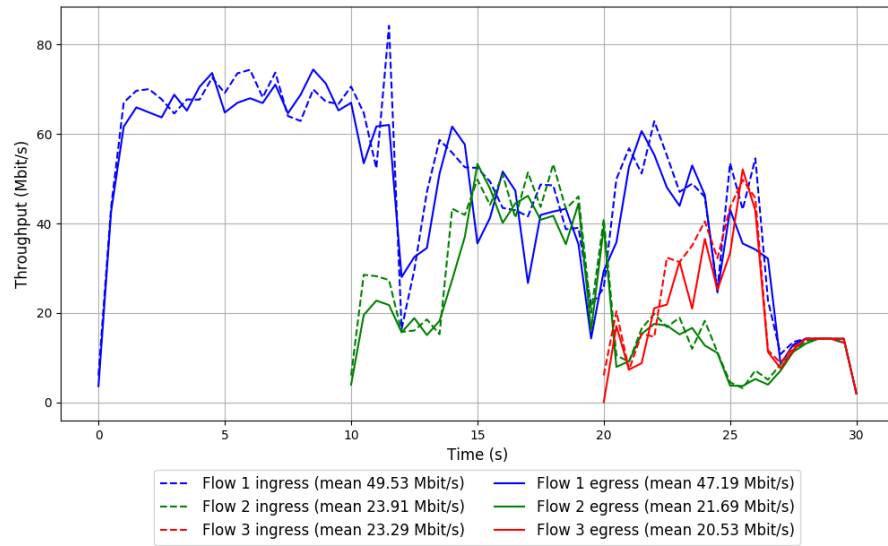
-- Flow 3:

Average throughput: 20.53 Mbit/s

95th percentile per-packet one-way delay: 131.229 ms

Loss rate: 11.87%

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

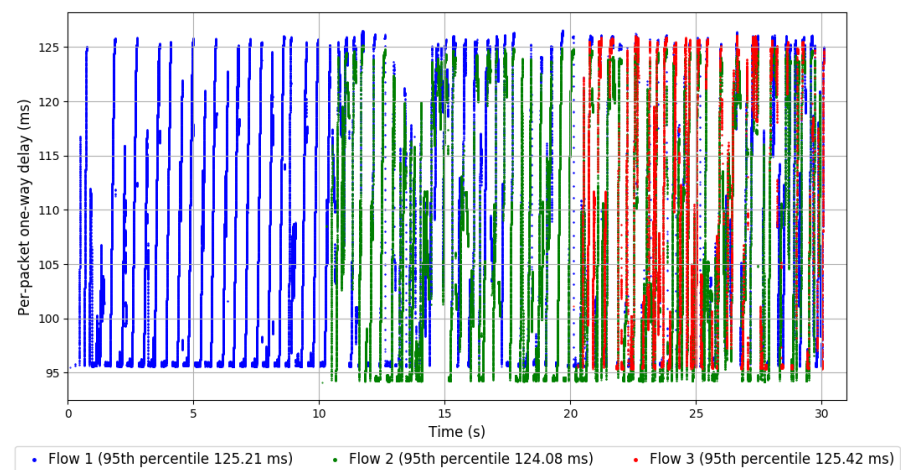
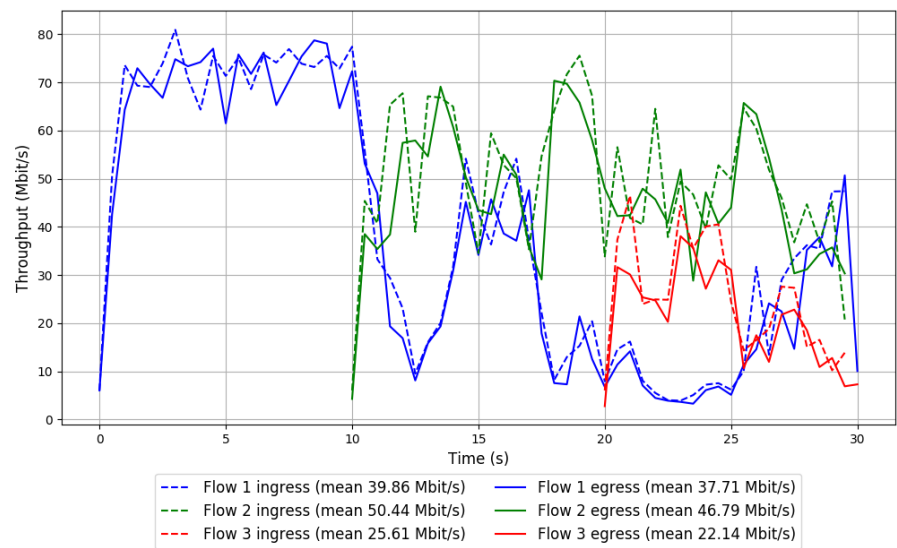


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-01 05:20:30
End at: 2018-02-01 05:21:00
Local clock offset: -0.263 ms
Remote clock offset: -2.995 ms

Below is generated by plot.py at 2018-02-01 06:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 124.955 ms
Loss rate: 6.88%
-- Flow 1:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 125.210 ms
Loss rate: 5.29%
-- Flow 2:
Average throughput: 46.79 Mbit/s
95th percentile per-packet one-way delay: 124.082 ms
Loss rate: 7.13%
-- Flow 3:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 125.418 ms
Loss rate: 13.34%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-01 01:39:28

End at: 2018-02-01 01:39:58

Local clock offset: 0.163 ms

Remote clock offset: 1.338 ms

Below is generated by plot.py at 2018-02-01 06:04:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.62 Mbit/s

95th percentile per-packet one-way delay: 110.398 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 109.501 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 29.02 Mbit/s

95th percentile per-packet one-way delay: 111.927 ms

Loss rate: 0.61%

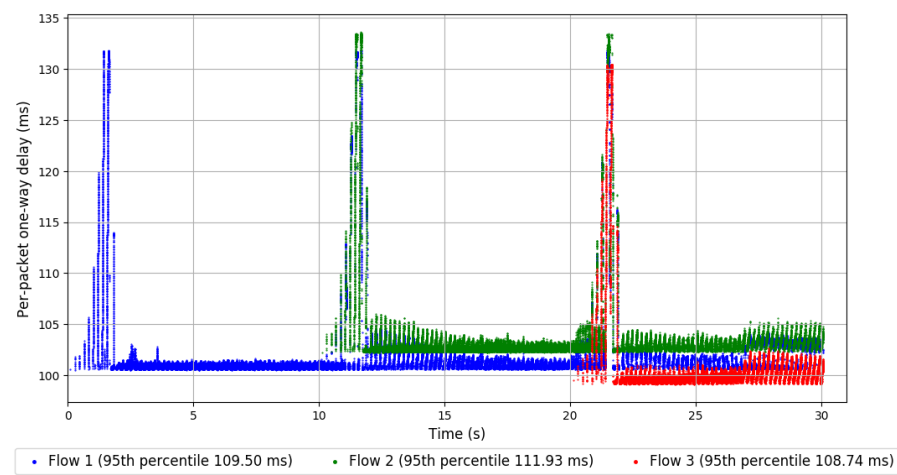
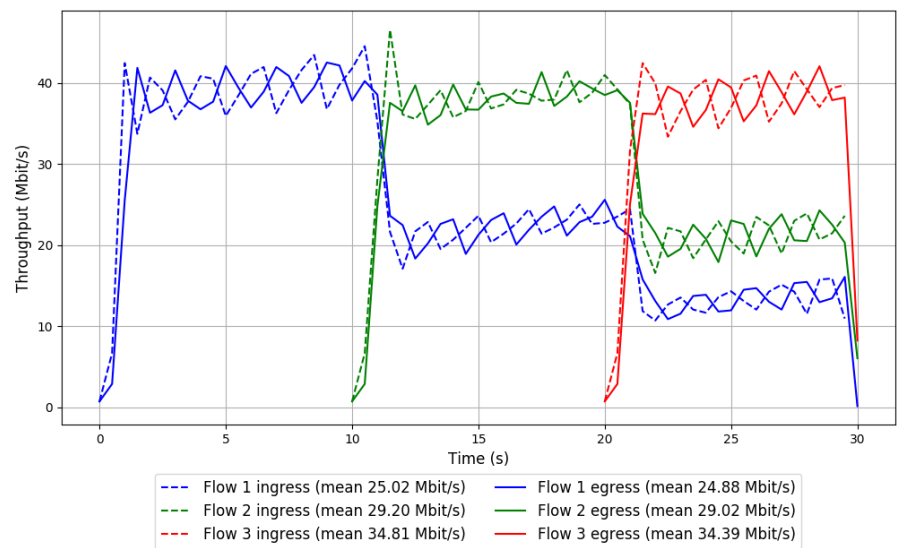
-- Flow 3:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 108.740 ms

Loss rate: 1.19%

Run 1: Report of TCP Vegas — Data Link

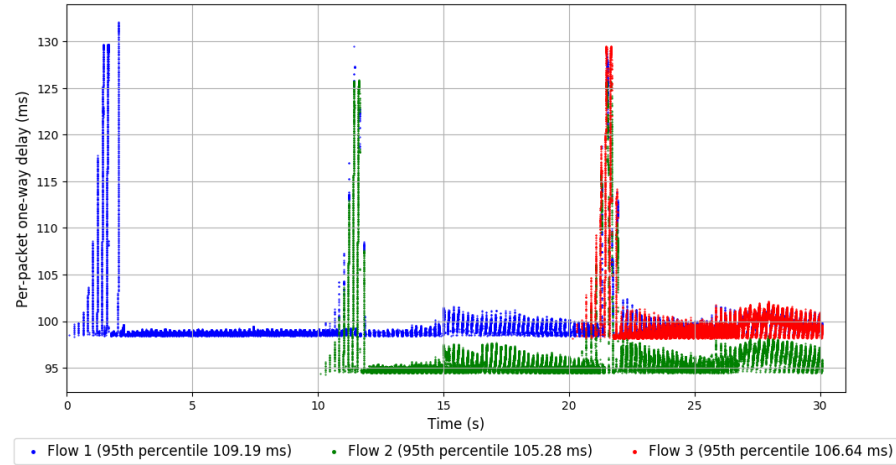
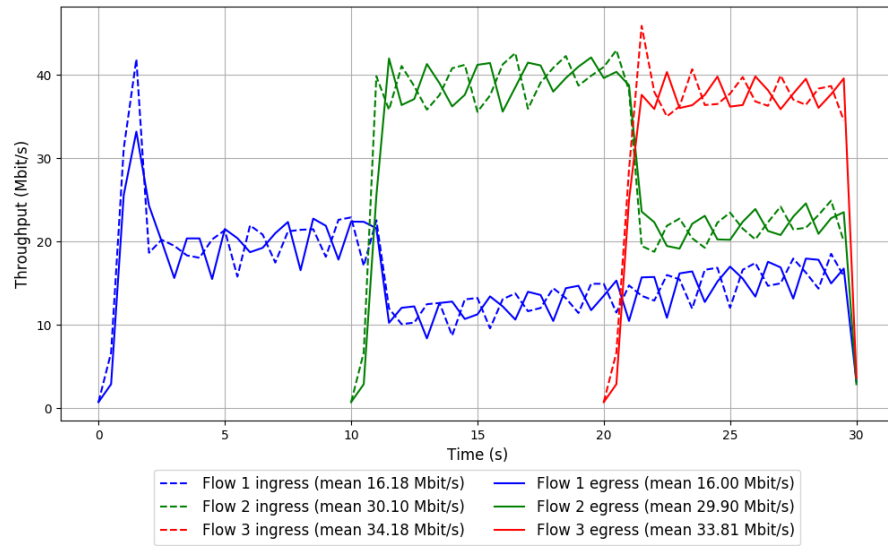


Run 2: Statistics of TCP Vegas

Start at: 2018-02-01 02:03:18
End at: 2018-02-01 02:03:48
Local clock offset: 0.025 ms
Remote clock offset: -6.064 ms

Below is generated by plot.py at 2018-02-01 06:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 106.780 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 109.195 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 105.282 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: 106.636 ms
Loss rate: 1.08%

Run 2: Report of TCP Vegas — Data Link

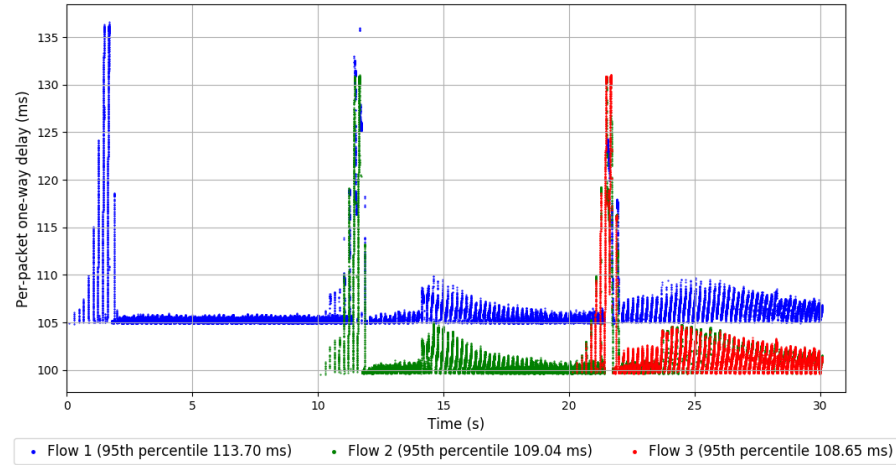
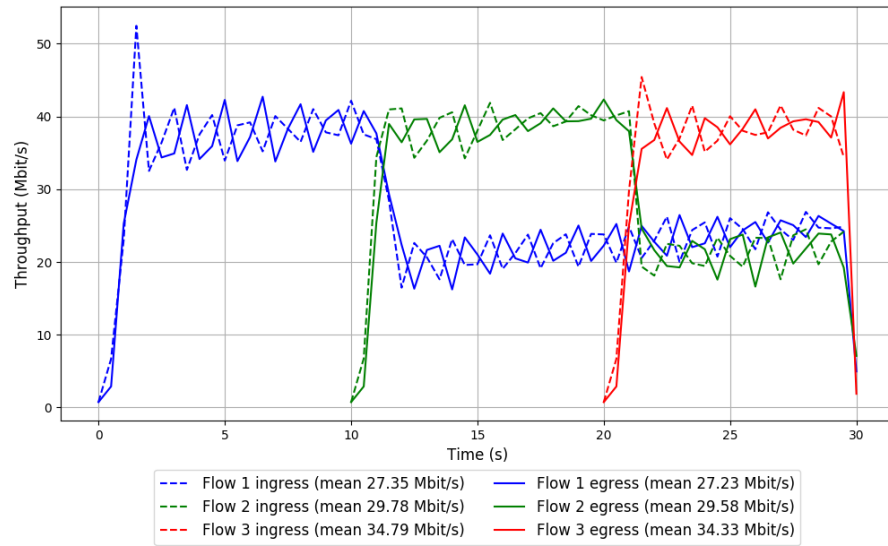


Run 3: Statistics of TCP Vegas

Start at: 2018-02-01 02:27:07
End at: 2018-02-01 02:27:37
Local clock offset: 0.025 ms
Remote clock offset: -2.061 ms

Below is generated by plot.py at 2018-02-01 06:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 110.635 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 113.703 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 109.042 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 108.647 ms
Loss rate: 1.31%

Run 3: Report of TCP Vegas — Data Link

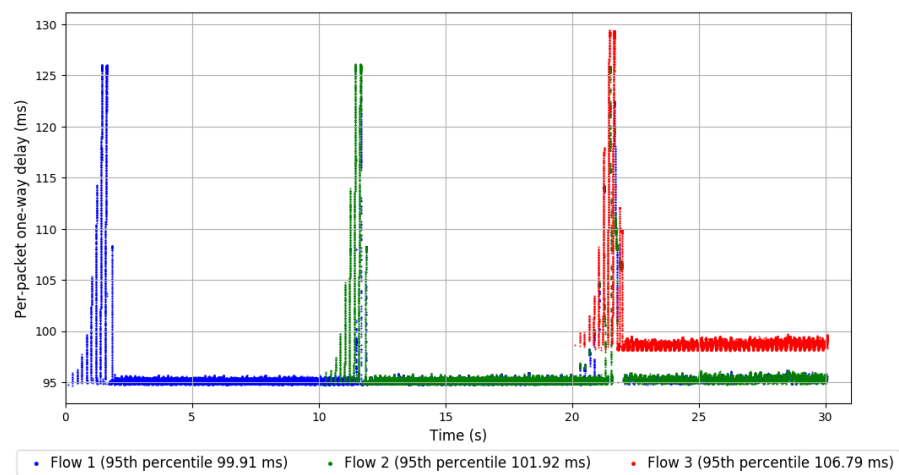
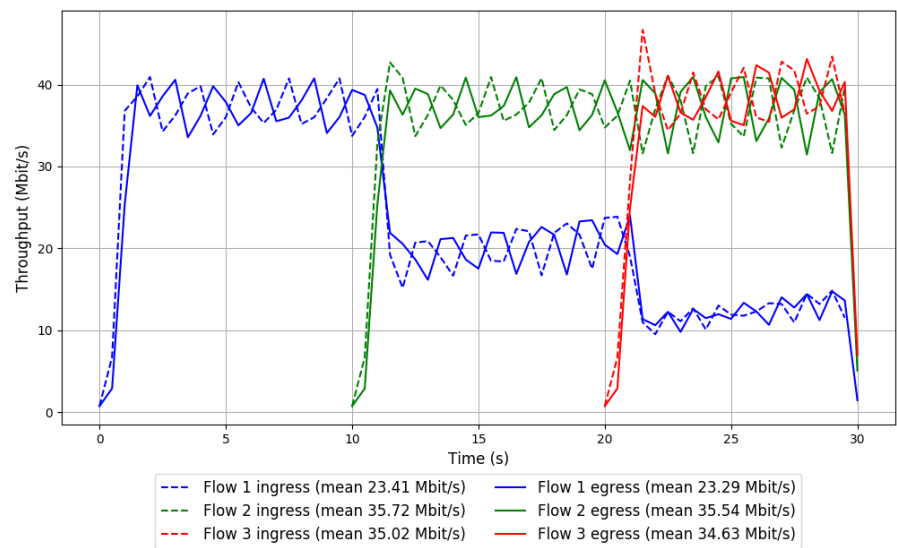


Run 4: Statistics of TCP Vegas

Start at: 2018-02-01 02:50:53
End at: 2018-02-01 02:51:23
Local clock offset: -0.018 ms
Remote clock offset: -7.21 ms

Below is generated by plot.py at 2018-02-01 06:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 102.652 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 99.912 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 101.922 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 106.790 ms
Loss rate: 1.13%

Run 4: Report of TCP Vegas — Data Link

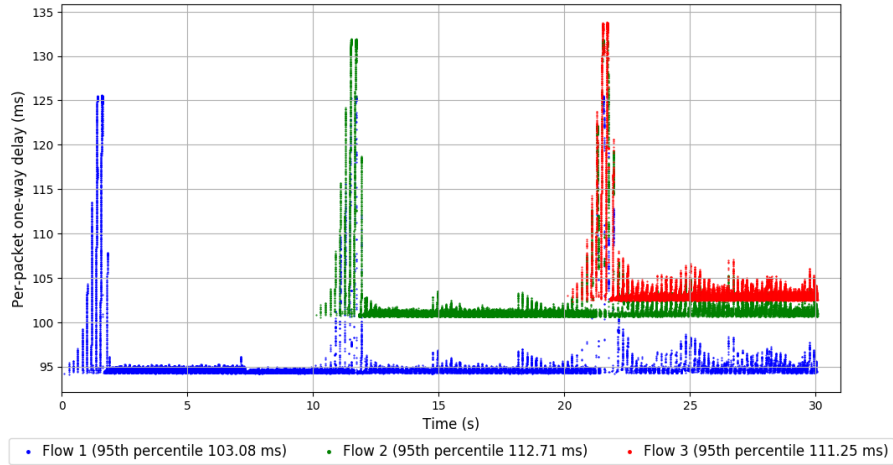
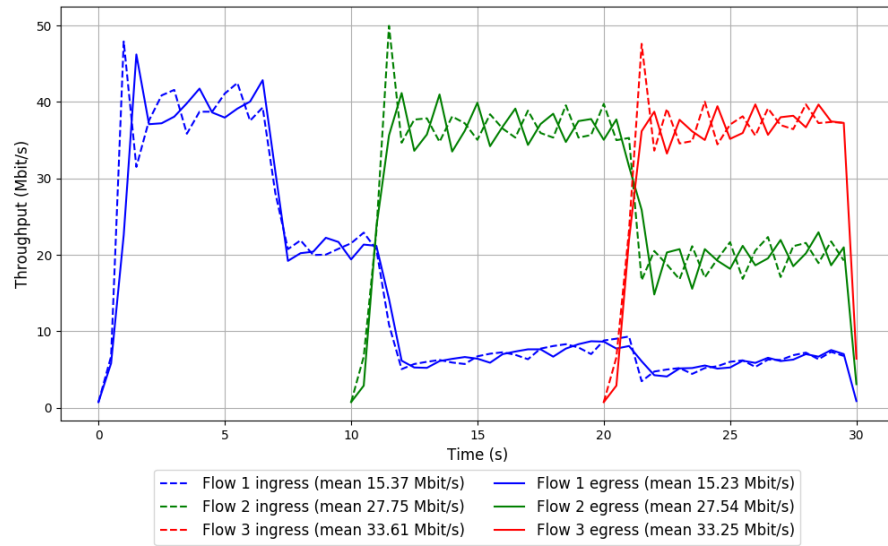


Run 5: Statistics of TCP Vegas

Start at: 2018-02-01 03:14:45
End at: 2018-02-01 03:15:15
Local clock offset: -0.133 ms
Remote clock offset: -5.561 ms

Below is generated by plot.py at 2018-02-01 06:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 109.206 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 103.081 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 112.708 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 111.252 ms
Loss rate: 1.12%

Run 5: Report of TCP Vegas — Data Link

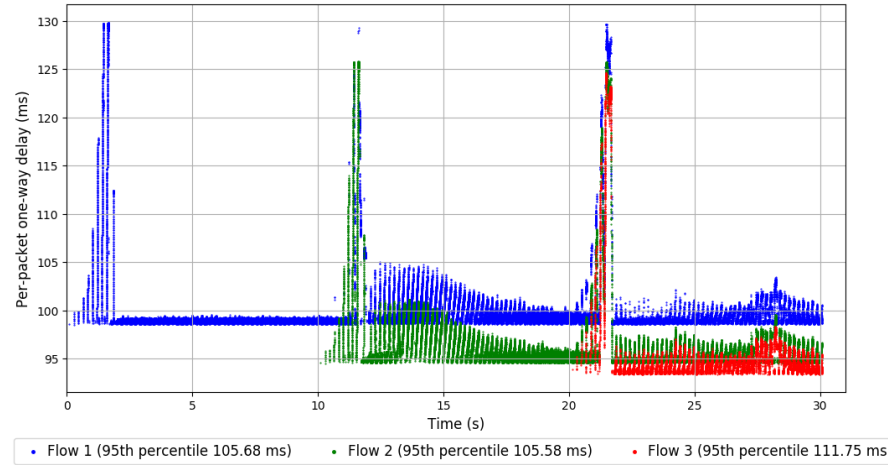
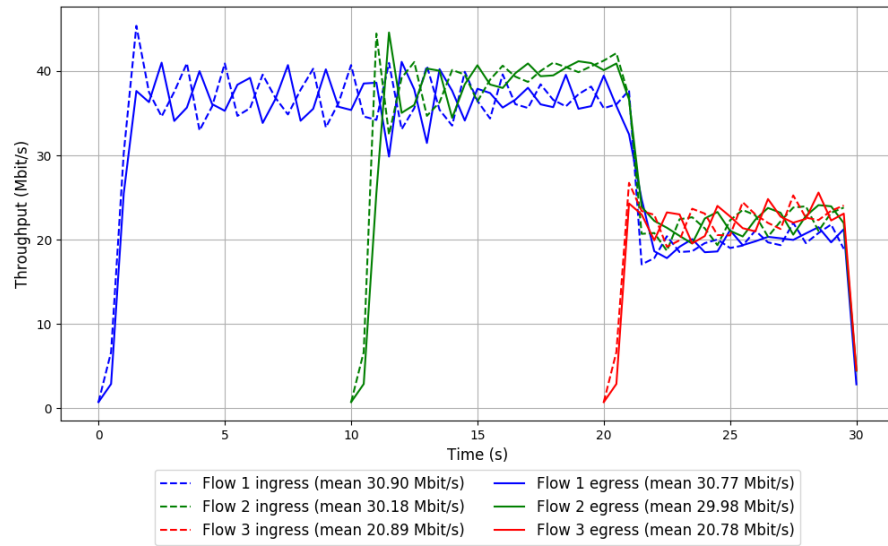


Run 6: Statistics of TCP Vegas

Start at: 2018-02-01 03:38:38
End at: 2018-02-01 03:39:08
Local clock offset: -0.23 ms
Remote clock offset: -5.495 ms

Below is generated by plot.py at 2018-02-01 06:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 105.749 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 105.684 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 105.577 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 111.747 ms
Loss rate: 0.50%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-01 04:02:30

End at: 2018-02-01 04:03:00

Local clock offset: -0.328 ms

Remote clock offset: 1.117 ms

Below is generated by plot.py at 2018-02-01 06:04:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.66 Mbit/s

95th percentile per-packet one-way delay: 116.786 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 14.25 Mbit/s

95th percentile per-packet one-way delay: 118.206 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 27.58 Mbit/s

95th percentile per-packet one-way delay: 113.163 ms

Loss rate: 0.62%

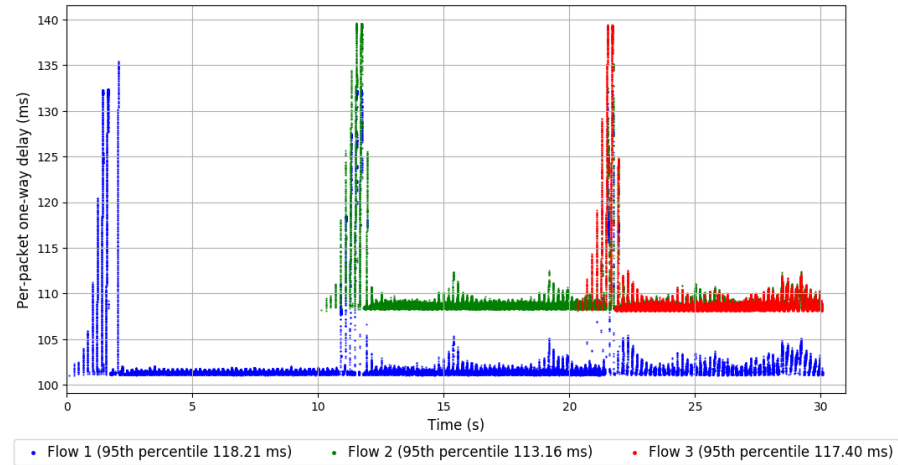
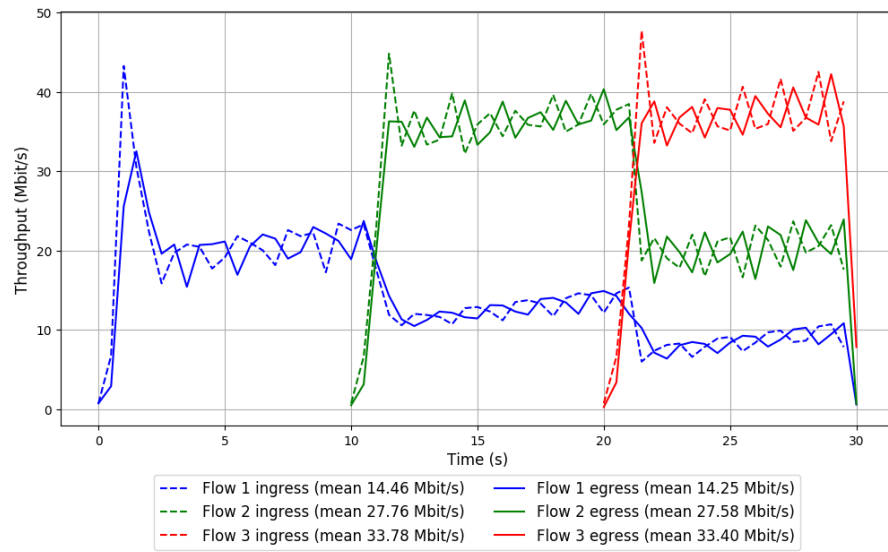
-- Flow 3:

Average throughput: 33.40 Mbit/s

95th percentile per-packet one-way delay: 117.404 ms

Loss rate: 1.13%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-01 04:26:19

End at: 2018-02-01 04:26:49

Local clock offset: -0.294 ms

Remote clock offset: 0.632 ms

Below is generated by plot.py at 2018-02-01 06:04:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.33 Mbit/s

95th percentile per-packet one-way delay: 113.172 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 111.514 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 27.76 Mbit/s

95th percentile per-packet one-way delay: 117.387 ms

Loss rate: 0.67%

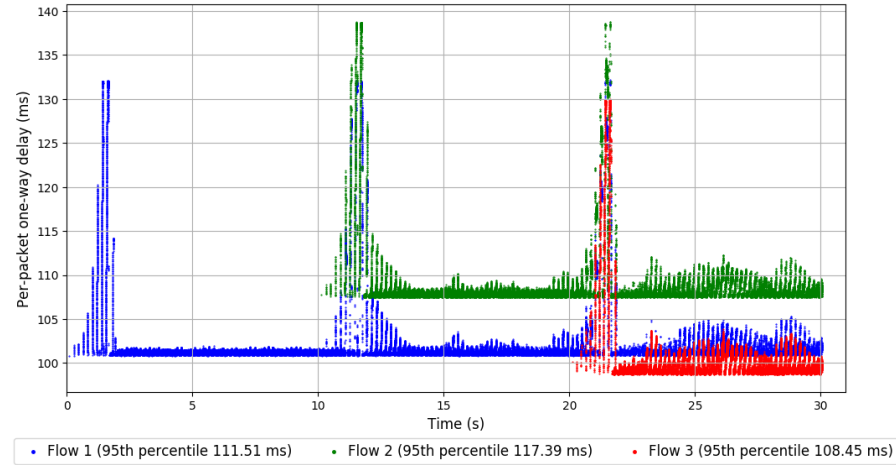
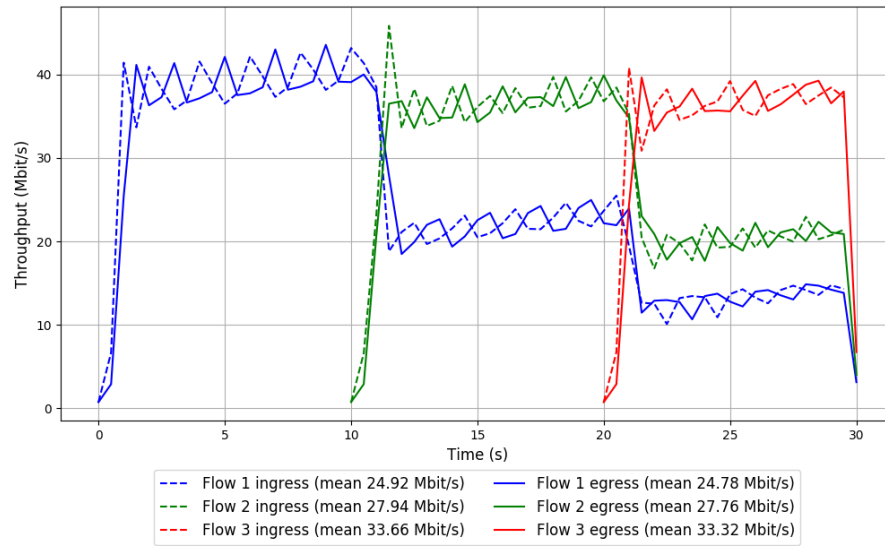
-- Flow 3:

Average throughput: 33.32 Mbit/s

95th percentile per-packet one-way delay: 108.450 ms

Loss rate: 1.08%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-01 04:50:04

End at: 2018-02-01 04:50:34

Local clock offset: -0.304 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2018-02-01 06:04:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.00 Mbit/s

95th percentile per-packet one-way delay: 112.290 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 19.10 Mbit/s

95th percentile per-packet one-way delay: 108.285 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 16.19 Mbit/s

95th percentile per-packet one-way delay: 120.234 ms

Loss rate: 1.67%

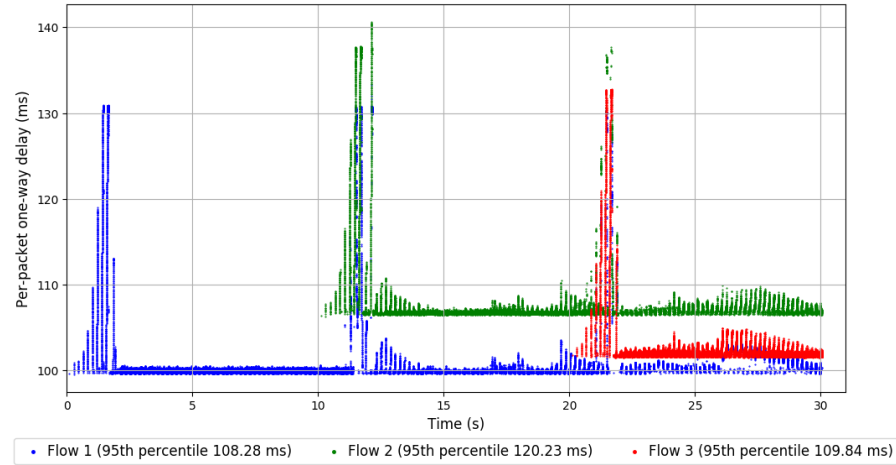
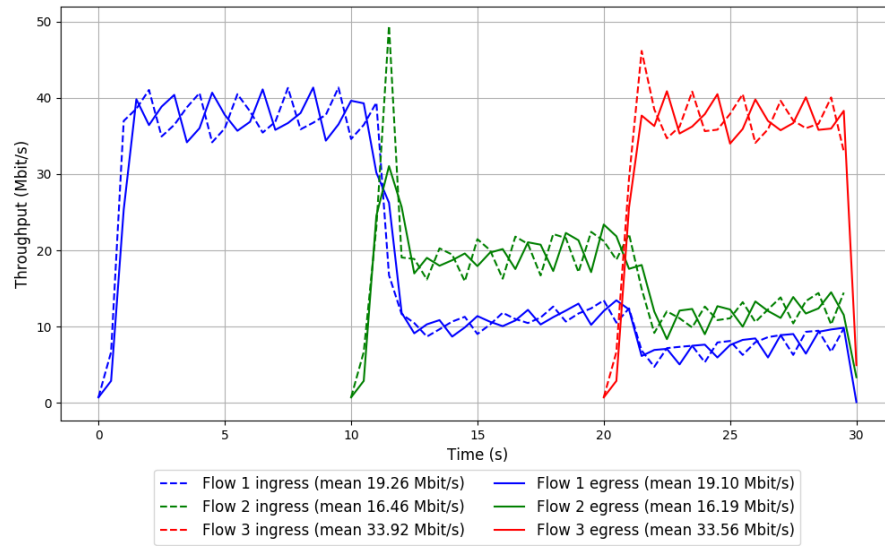
-- Flow 3:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 109.841 ms

Loss rate: 1.05%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-01 05:13:52

End at: 2018-02-01 05:14:22

Local clock offset: -0.353 ms

Remote clock offset: 1.99 ms

Below is generated by plot.py at 2018-02-01 06:04:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.52 Mbit/s

95th percentile per-packet one-way delay: 110.126 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 26.48 Mbit/s

95th percentile per-packet one-way delay: 112.076 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 29.80 Mbit/s

95th percentile per-packet one-way delay: 108.717 ms

Loss rate: 0.65%

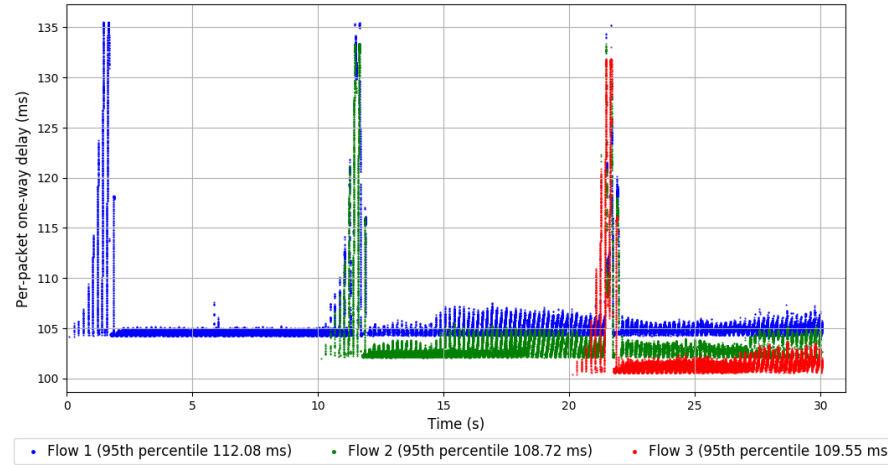
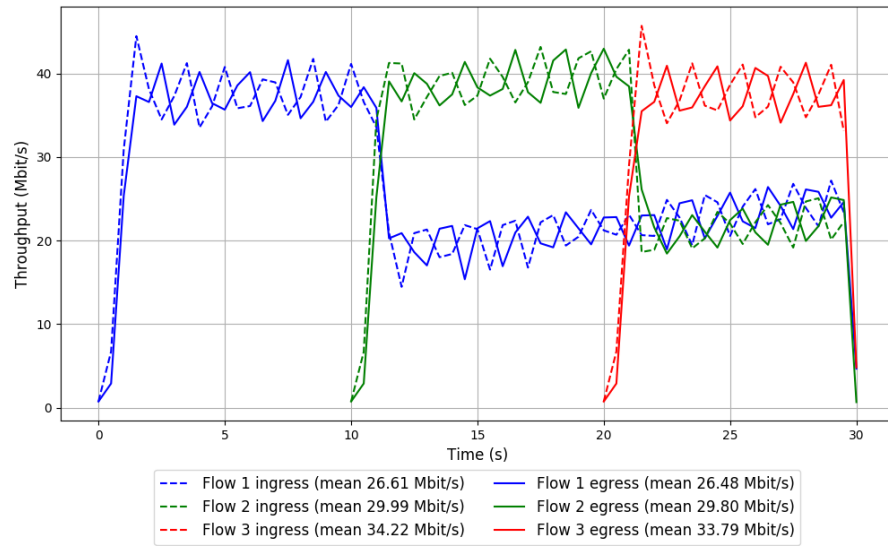
-- Flow 3:

Average throughput: 33.79 Mbit/s

95th percentile per-packet one-way delay: 109.553 ms

Loss rate: 1.24%

Run 10: Report of TCP Vegas — Data Link

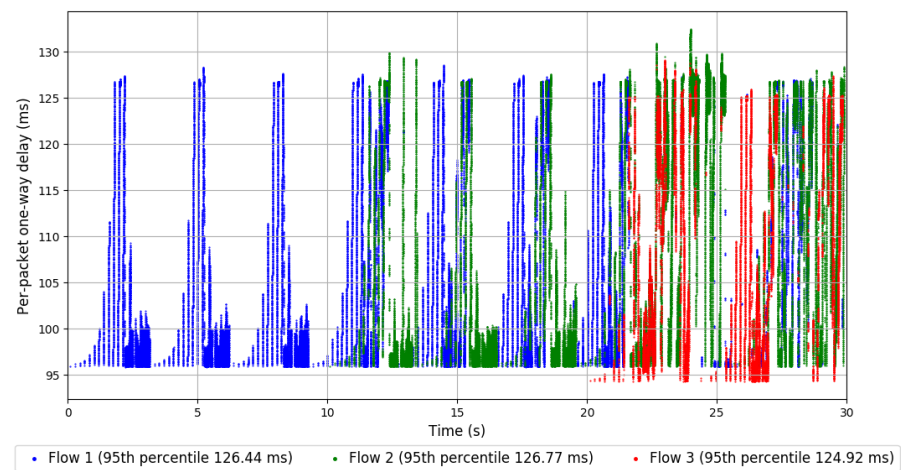
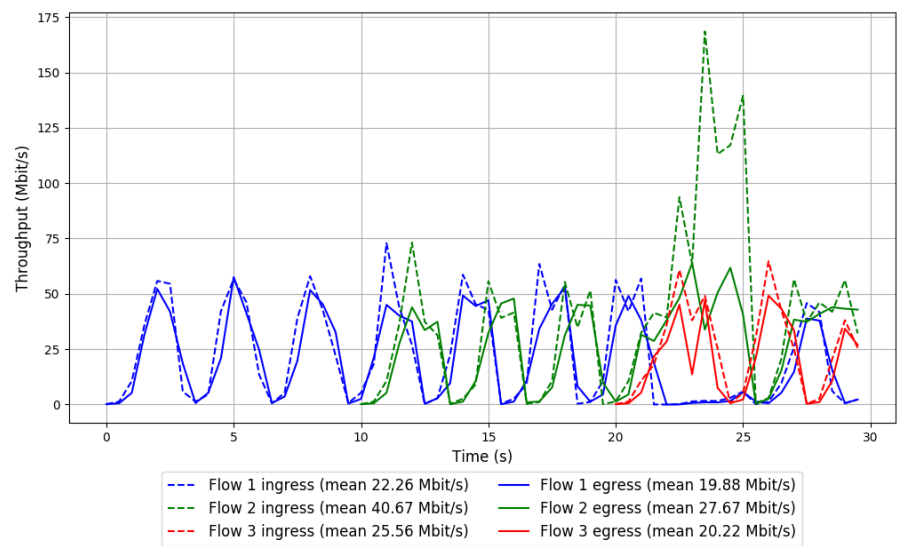


Run 1: Statistics of Verus

Start at: 2018-02-01 01:43:29
End at: 2018-02-01 01:43:59
Local clock offset: 0.112 ms
Remote clock offset: -4.005 ms

Below is generated by plot.py at 2018-02-01 06:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.81 Mbit/s
95th percentile per-packet one-way delay: 126.524 ms
Loss rate: 22.06%
-- Flow 1:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 126.437 ms
Loss rate: 10.65%
-- Flow 2:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 126.772 ms
Loss rate: 31.87%
-- Flow 3:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 124.921 ms
Loss rate: 20.67%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-01 02:07:18

End at: 2018-02-01 02:07:48

Local clock offset: 0.04 ms

Remote clock offset: 0.367 ms

Below is generated by plot.py at 2018-02-01 06:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.65 Mbit/s

95th percentile per-packet one-way delay: 166.162 ms

Loss rate: 76.34%

-- Flow 1:

Average throughput: 20.97 Mbit/s

95th percentile per-packet one-way delay: 134.317 ms

Loss rate: 37.05%

-- Flow 2:

Average throughput: 35.56 Mbit/s

95th percentile per-packet one-way delay: 169.681 ms

Loss rate: 84.55%

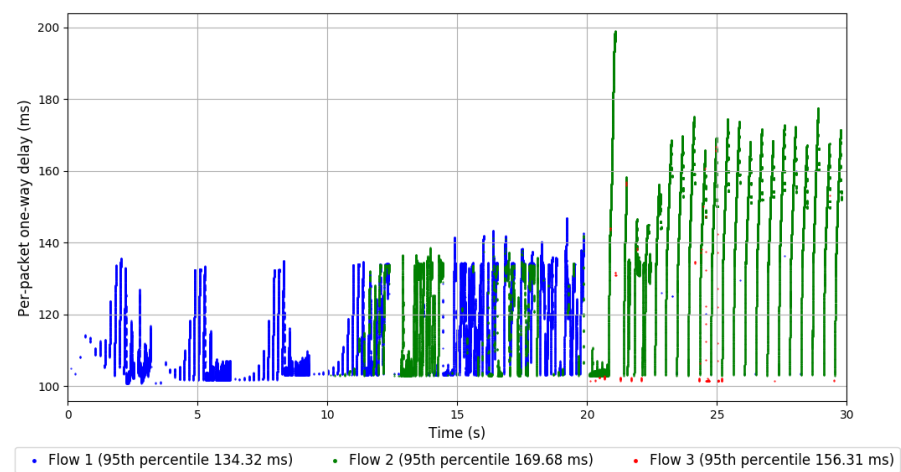
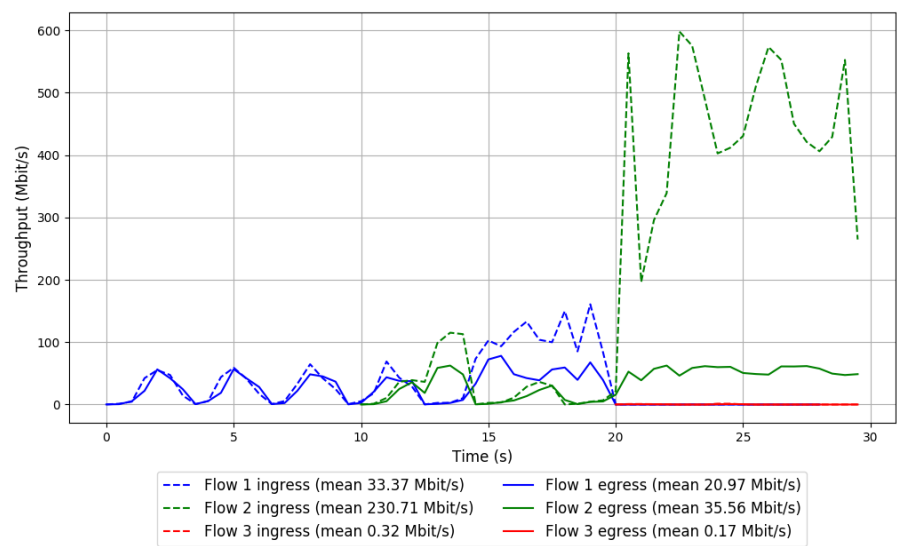
-- Flow 3:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 156.313 ms

Loss rate: 48.05%

Run 2: Report of Verus — Data Link

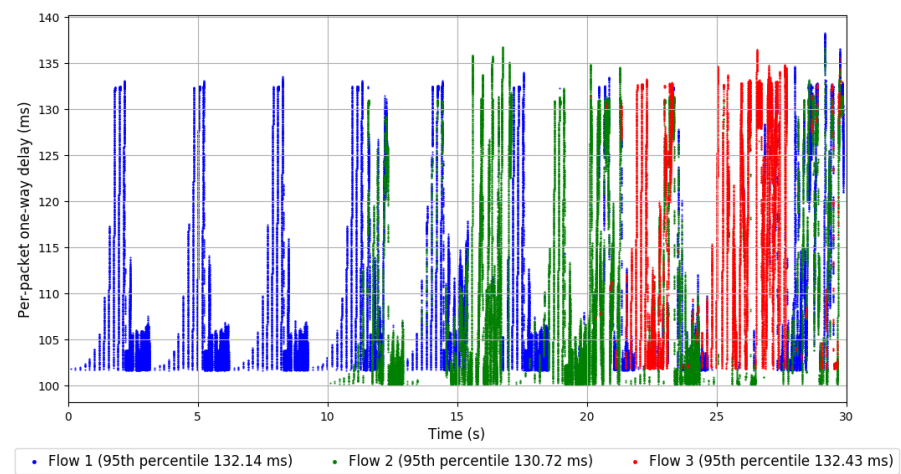
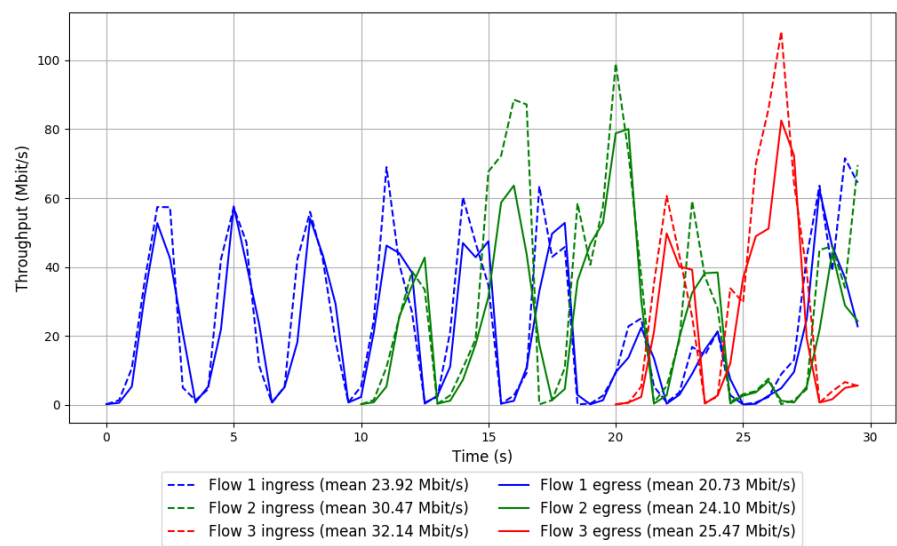


Run 3: Statistics of Verus

Start at: 2018-02-01 02:31:08
End at: 2018-02-01 02:31:38
Local clock offset: -0.068 ms
Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-02-01 06:05:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 131.818 ms
Loss rate: 17.47%
-- Flow 1:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 132.140 ms
Loss rate: 13.27%
-- Flow 2:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 130.719 ms
Loss rate: 20.77%
-- Flow 3:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 132.427 ms
Loss rate: 20.74%

Run 3: Report of Verus — Data Link

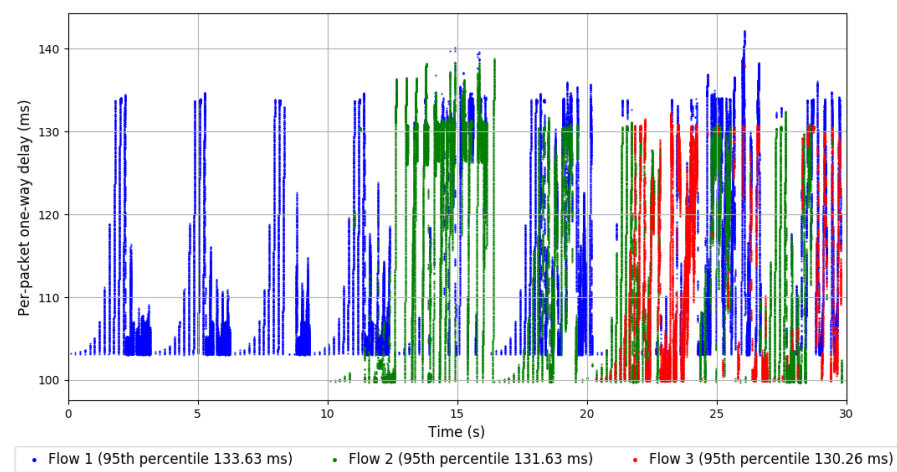
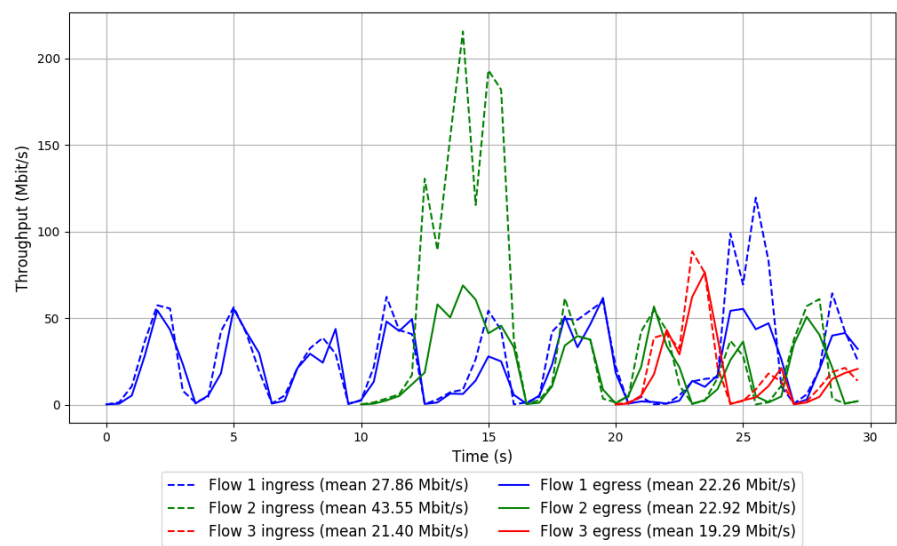


Run 4: Statistics of Verus

Start at: 2018-02-01 02:54:55
End at: 2018-02-01 02:55:25
Local clock offset: -0.039 ms
Remote clock offset: -2.213 ms

Below is generated by plot.py at 2018-02-01 06:05:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 133.233 ms
Loss rate: 31.36%
-- Flow 1:
Average throughput: 22.26 Mbit/s
95th percentile per-packet one-way delay: 133.631 ms
Loss rate: 20.07%
-- Flow 2:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 131.629 ms
Loss rate: 47.37%
-- Flow 3:
Average throughput: 19.29 Mbit/s
95th percentile per-packet one-way delay: 130.256 ms
Loss rate: 10.02%

Run 4: Report of Verus — Data Link

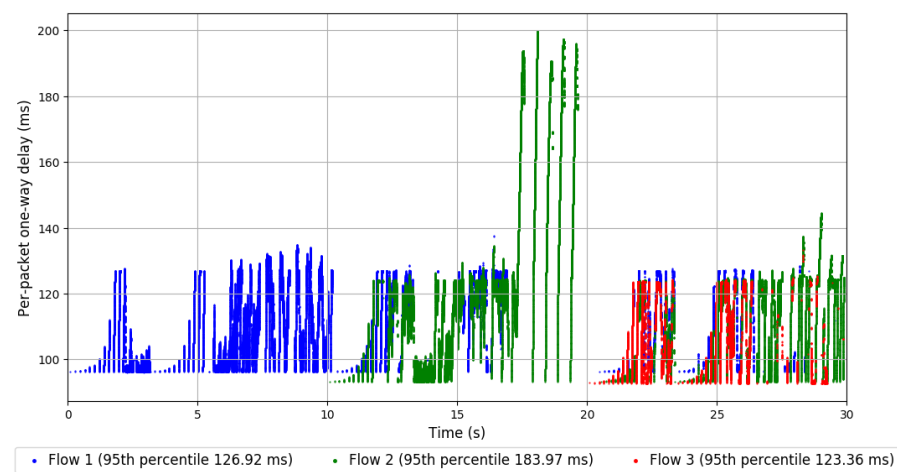
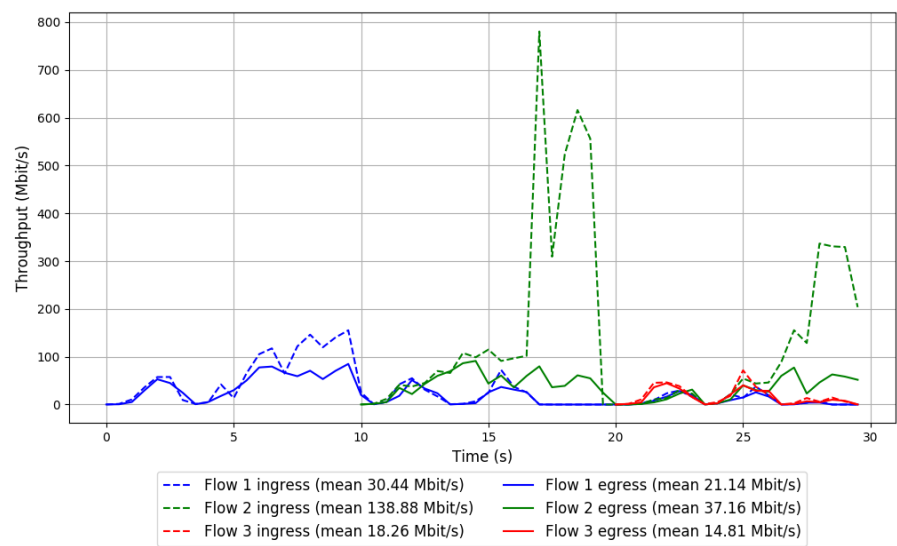


Run 5: Statistics of Verus

Start at: 2018-02-01 03:18:45
End at: 2018-02-01 03:19:15
Local clock offset: -0.124 ms
Remote clock offset: -6.324 ms

Below is generated by plot.py at 2018-02-01 06:05:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.57 Mbit/s
95th percentile per-packet one-way delay: 155.850 ms
Loss rate: 60.61%
-- Flow 1:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 126.917 ms
Loss rate: 30.51%
-- Flow 2:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 183.975 ms
Loss rate: 73.20%
-- Flow 3:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 123.363 ms
Loss rate: 18.79%

Run 5: Report of Verus — Data Link

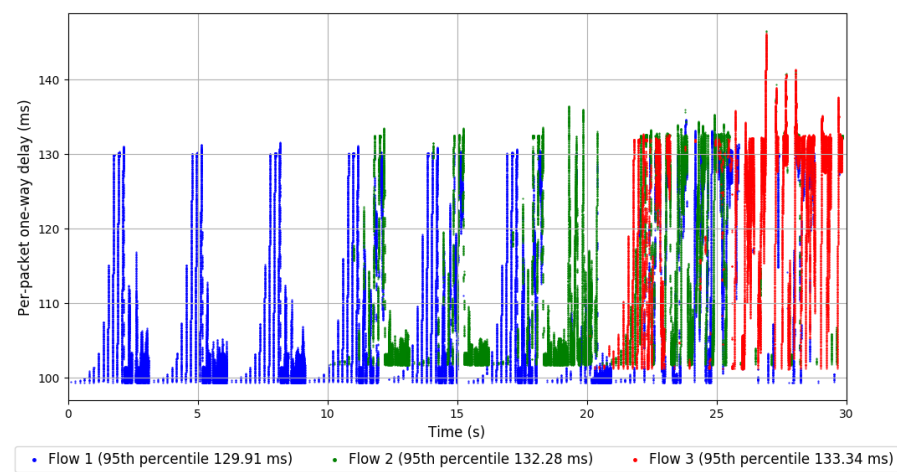
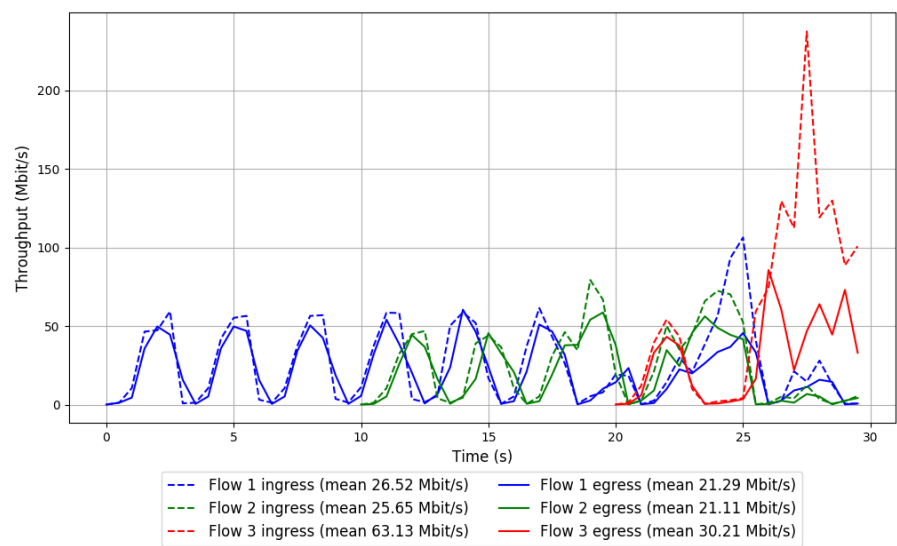


Run 6: Statistics of Verus

Start at: 2018-02-01 03:42:39
End at: 2018-02-01 03:43:09
Local clock offset: -0.233 ms
Remote clock offset: 1.046 ms

Below is generated by plot.py at 2018-02-01 06:05:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.09 Mbit/s
95th percentile per-packet one-way delay: 132.014 ms
Loss rate: 29.50%
-- Flow 1:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 129.909 ms
Loss rate: 19.63%
-- Flow 2:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 132.284 ms
Loss rate: 17.58%
-- Flow 3:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 133.339 ms
Loss rate: 52.02%

Run 6: Report of Verus — Data Link

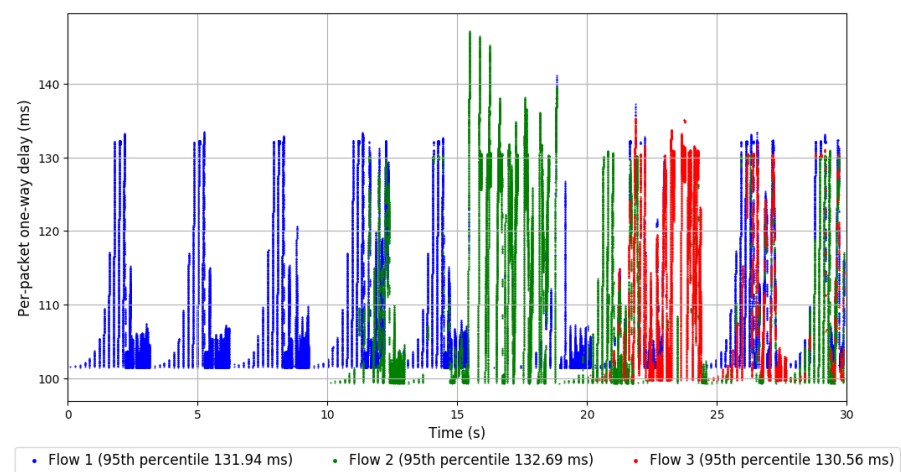
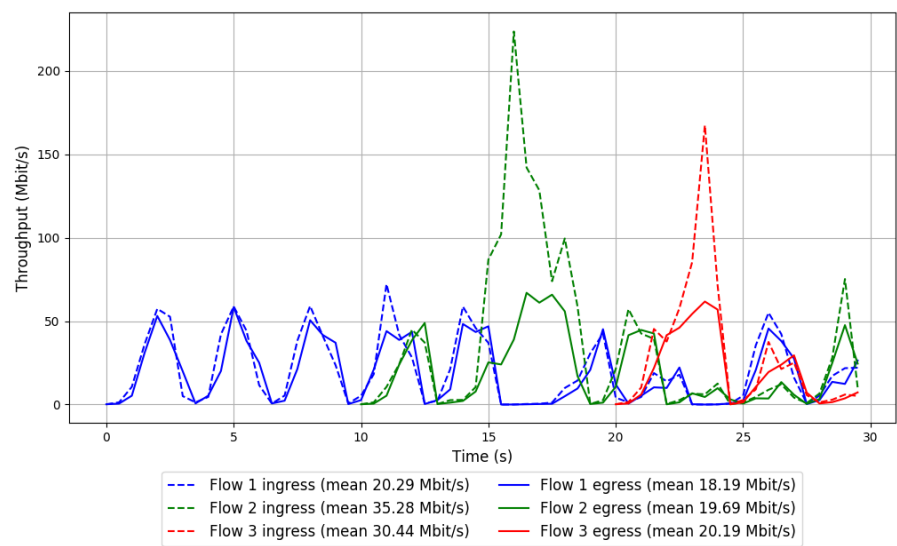


Run 7: Statistics of Verus

Start at: 2018-02-01 04:06:31
End at: 2018-02-01 04:07:01
Local clock offset: -0.266 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-02-01 06:05:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 131.717 ms
Loss rate: 29.38%
-- Flow 1:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 131.936 ms
Loss rate: 10.32%
-- Flow 2:
Average throughput: 19.69 Mbit/s
95th percentile per-packet one-way delay: 132.690 ms
Loss rate: 44.12%
-- Flow 3:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 130.556 ms
Loss rate: 33.57%

Run 7: Report of Verus — Data Link

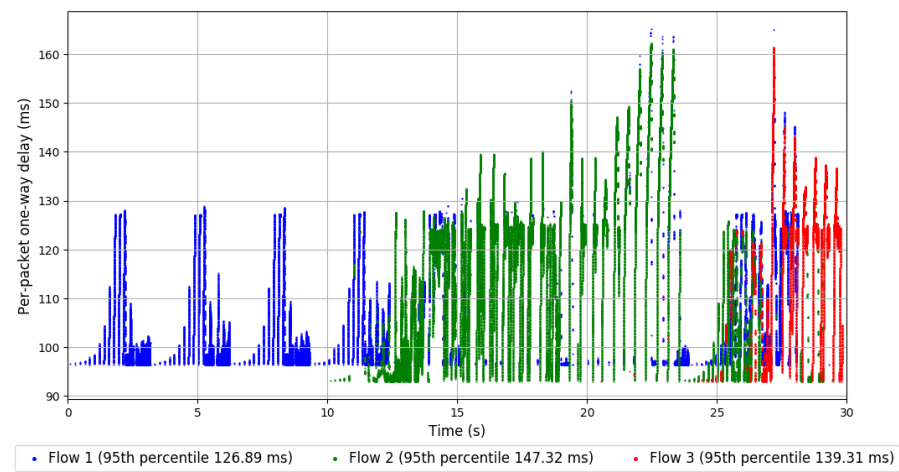
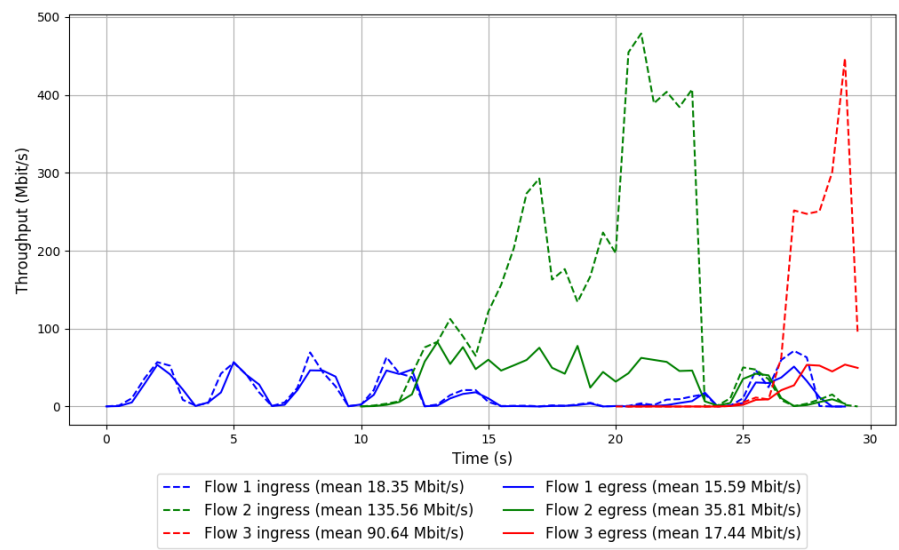


Run 8: Statistics of Verus

Start at: 2018-02-01 04:30:19
End at: 2018-02-01 04:30:49
Local clock offset: -0.295 ms
Remote clock offset: -5.117 ms

Below is generated by plot.py at 2018-02-01 06:05:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.07 Mbit/s
95th percentile per-packet one-way delay: 142.258 ms
Loss rate: 67.46%
-- Flow 1:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 126.887 ms
Loss rate: 15.56%
-- Flow 2:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 147.316 ms
Loss rate: 73.83%
-- Flow 3:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 139.307 ms
Loss rate: 80.74%

Run 8: Report of Verus — Data Link

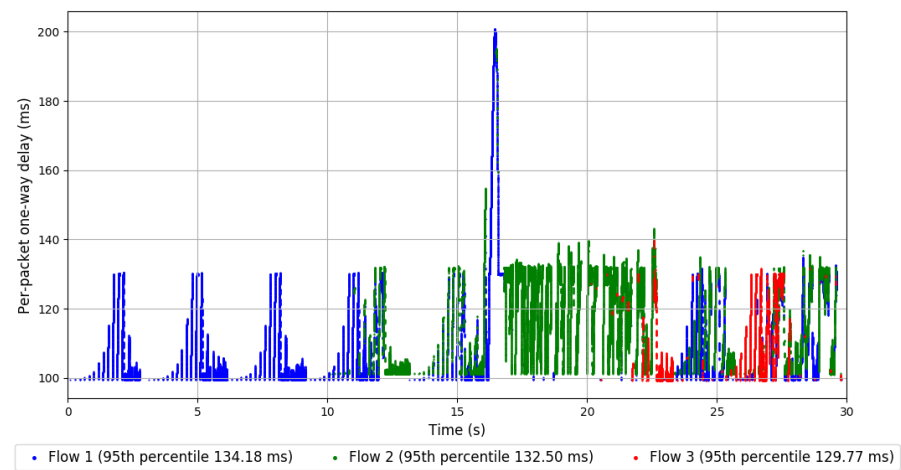
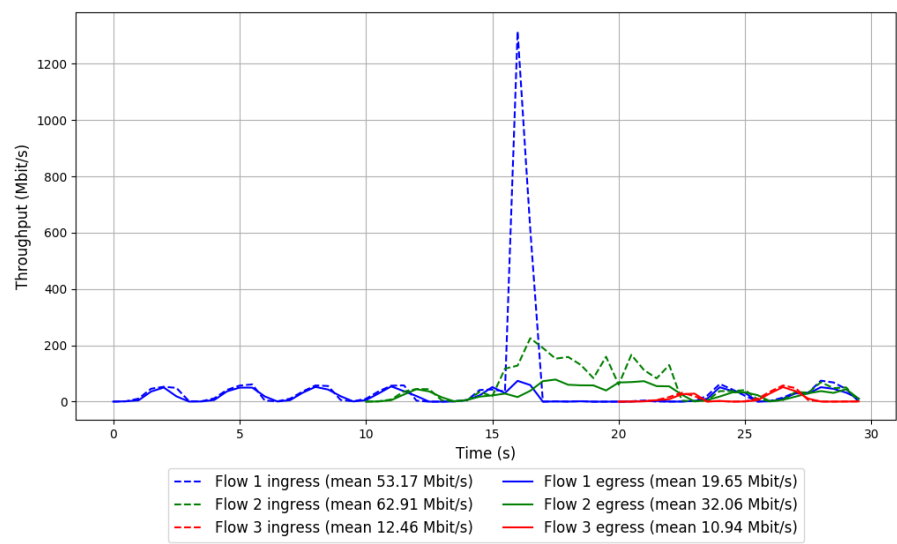


Run 9: Statistics of Verus

Start at: 2018-02-01 04:54:03
End at: 2018-02-01 04:54:33
Local clock offset: -0.285 ms
Remote clock offset: 2.118 ms

Below is generated by plot.py at 2018-02-01 06:05:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 132.297 ms
Loss rate: 55.08%
-- Flow 1:
Average throughput: 19.65 Mbit/s
95th percentile per-packet one-way delay: 134.184 ms
Loss rate: 63.05%
-- Flow 2:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 132.495 ms
Loss rate: 49.04%
-- Flow 3:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 129.766 ms
Loss rate: 12.45%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-01 05:17:53

End at: 2018-02-01 05:18:23

Local clock offset: -0.348 ms

Remote clock offset: 2.802 ms

Below is generated by plot.py at 2018-02-01 06:05:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.12 Mbit/s

95th percentile per-packet one-way delay: 130.160 ms

Loss rate: 18.82%

-- Flow 1:

Average throughput: 25.45 Mbit/s

95th percentile per-packet one-way delay: 130.034 ms

Loss rate: 21.36%

-- Flow 2:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 130.052 ms

Loss rate: 13.16%

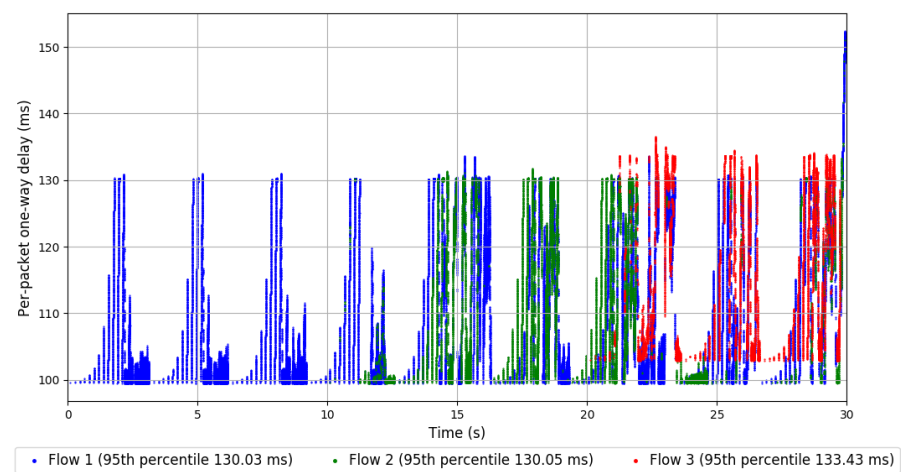
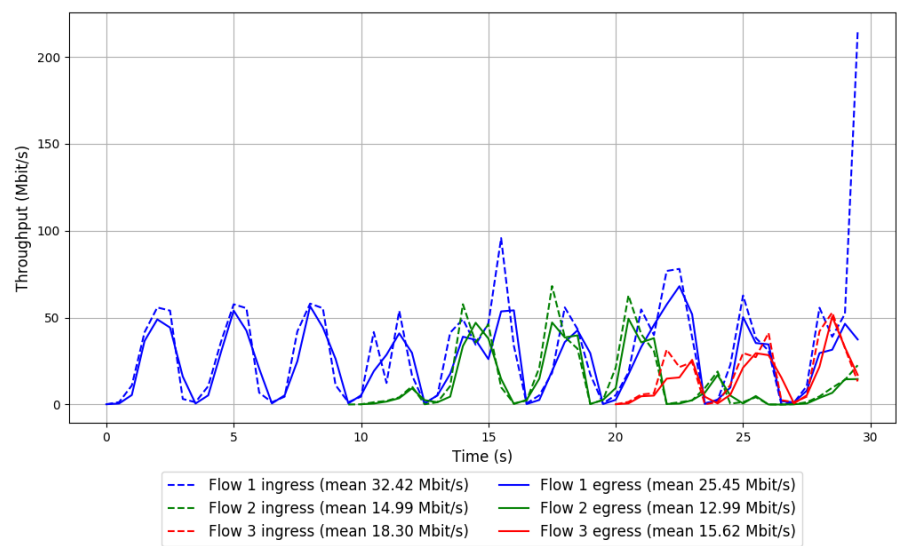
-- Flow 3:

Average throughput: 15.62 Mbit/s

95th percentile per-packet one-way delay: 133.432 ms

Loss rate: 14.47%

Run 10: Report of Verus — Data Link

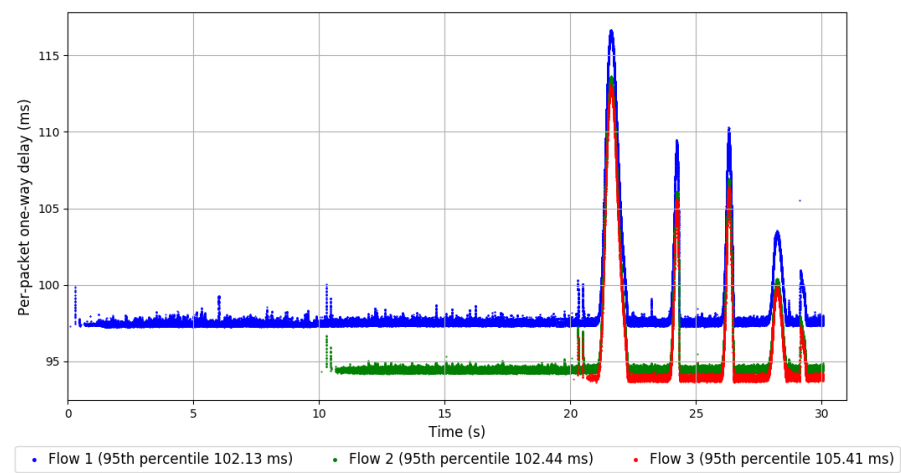
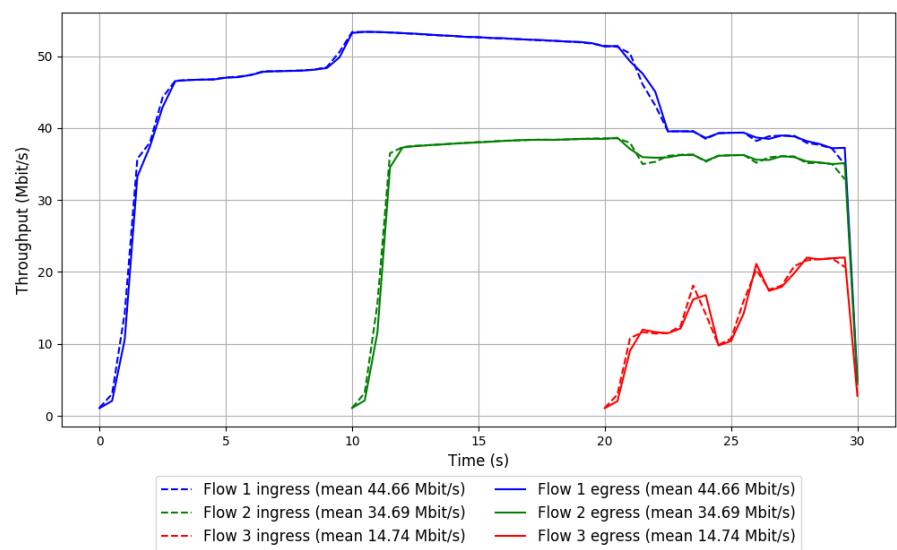


Run 1: Statistics of Copa

Start at: 2018-02-01 01:30:11
End at: 2018-02-01 01:30:41
Local clock offset: 0.225 ms
Remote clock offset: -2.569 ms

Below is generated by plot.py at 2018-02-01 06:06:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 102.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 102.129 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 102.444 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 105.412 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

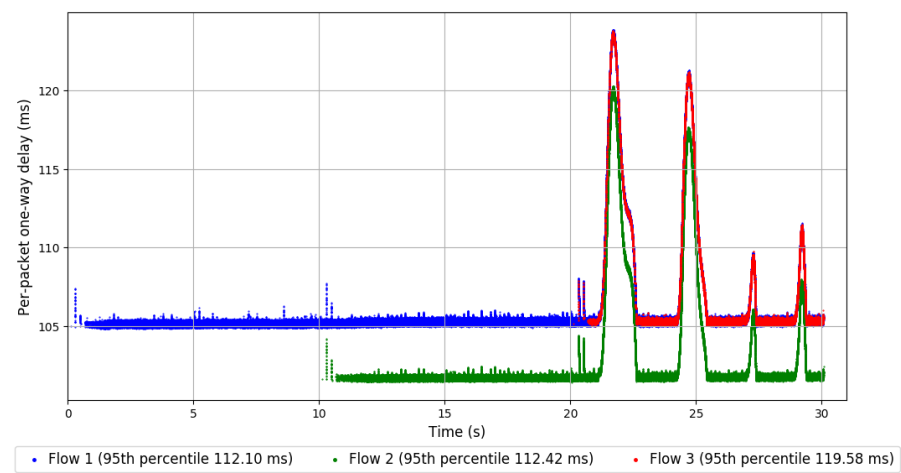
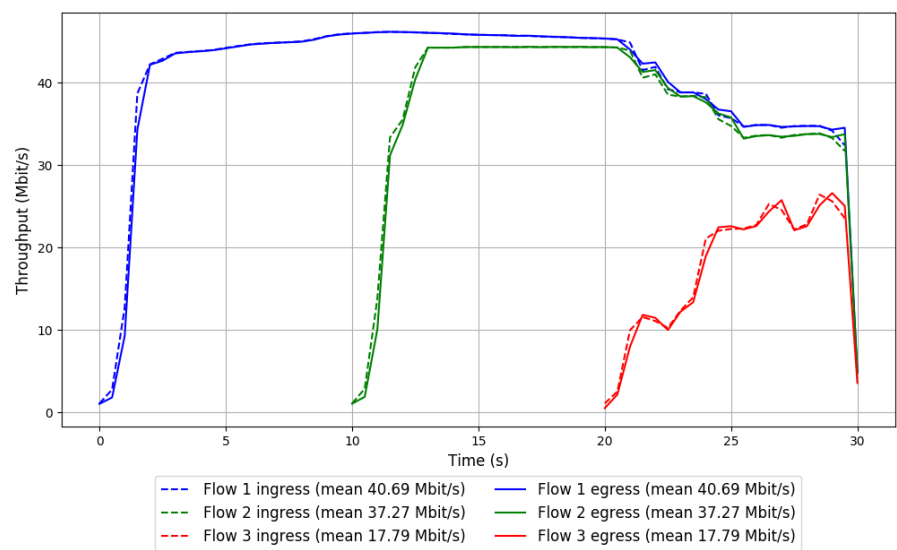


Run 2: Statistics of Copa

Start at: 2018-02-01 01:54:03
End at: 2018-02-01 01:54:33
Local clock offset: 0.021 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2018-02-01 06:07:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.42 Mbit/s
95th percentile per-packet one-way delay: 113.062 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 112.102 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 112.422 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.79 Mbit/s
95th percentile per-packet one-way delay: 119.585 ms
Loss rate: 0.05%

Run 2: Report of Copa — Data Link

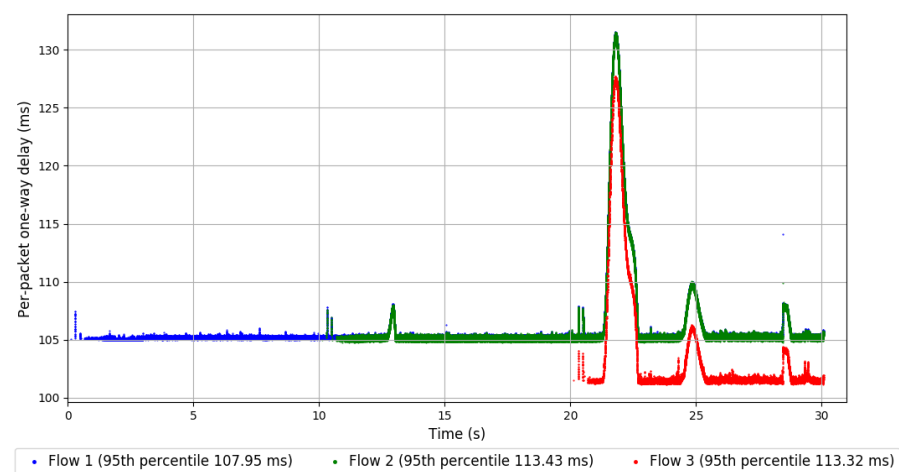
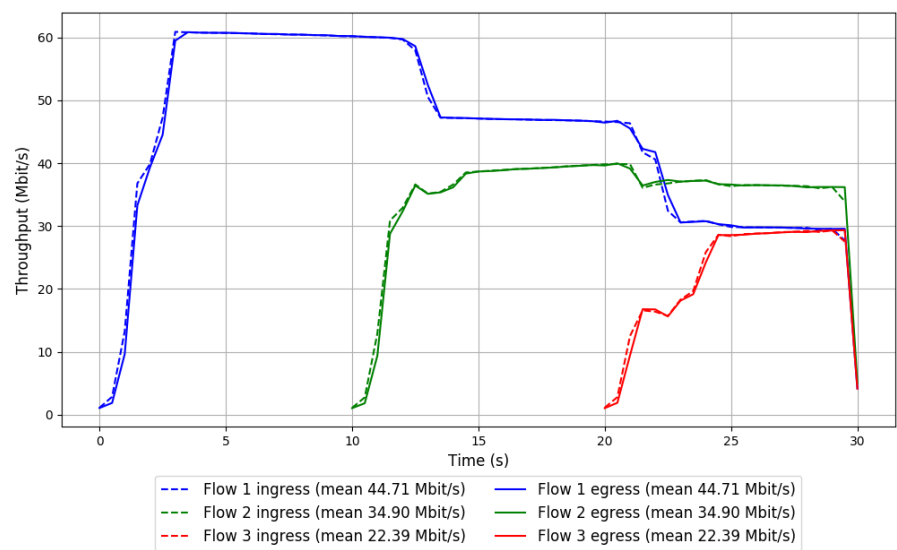


Run 3: Statistics of Copa

Start at: 2018-02-01 02:17:54
End at: 2018-02-01 02:18:24
Local clock offset: -0.004 ms
Remote clock offset: -2.033 ms

Below is generated by plot.py at 2018-02-01 06:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 109.705 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 44.71 Mbit/s
95th percentile per-packet one-way delay: 107.950 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 113.431 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 22.39 Mbit/s
95th percentile per-packet one-way delay: 113.319 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

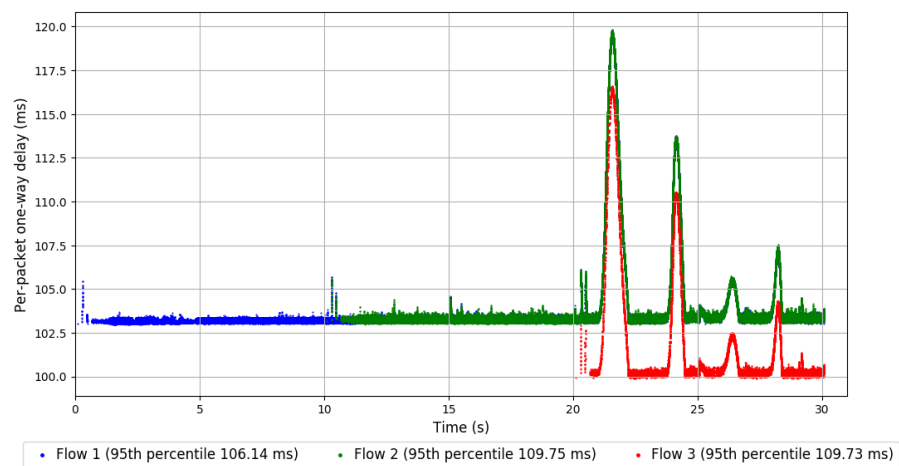
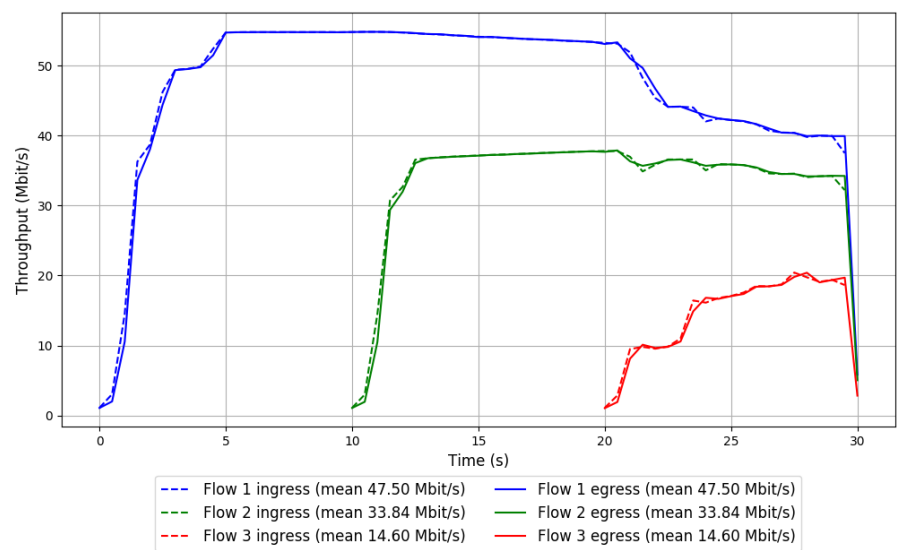


Run 4: Statistics of Copa

Start at: 2018-02-01 02:41:40
End at: 2018-02-01 02:42:10
Local clock offset: 0.018 ms
Remote clock offset: -0.678 ms

Below is generated by plot.py at 2018-02-01 06:07:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 107.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 106.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 109.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.60 Mbit/s
95th percentile per-packet one-way delay: 109.734 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

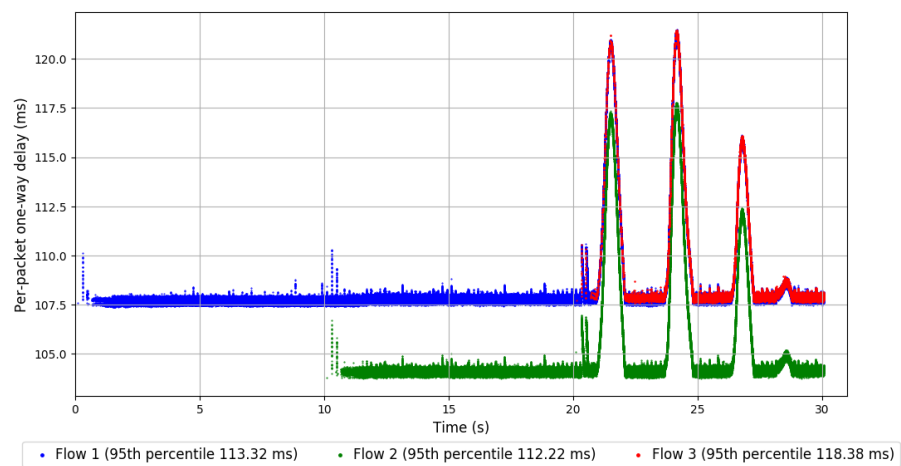
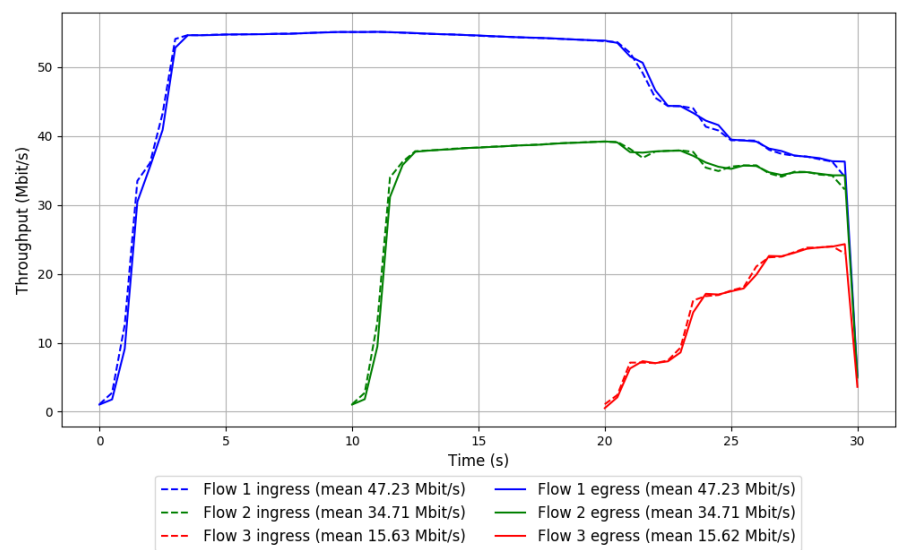


Run 5: Statistics of Copa

Start at: 2018-02-01 03:05:30
End at: 2018-02-01 03:06:00
Local clock offset: -0.077 ms
Remote clock offset: -0.909 ms

Below is generated by plot.py at 2018-02-01 06:07:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 113.932 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.23 Mbit/s
95th percentile per-packet one-way delay: 113.324 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 112.216 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 118.379 ms
Loss rate: 0.08%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-01 03:29:24

End at: 2018-02-01 03:29:54

Local clock offset: -0.179 ms

Remote clock offset: -1.13 ms

Below is generated by plot.py at 2018-02-01 06:07:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.05 Mbit/s

95th percentile per-packet one-way delay: 108.272 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.70 Mbit/s

95th percentile per-packet one-way delay: 108.772 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.24 Mbit/s

95th percentile per-packet one-way delay: 106.049 ms

Loss rate: 0.00%

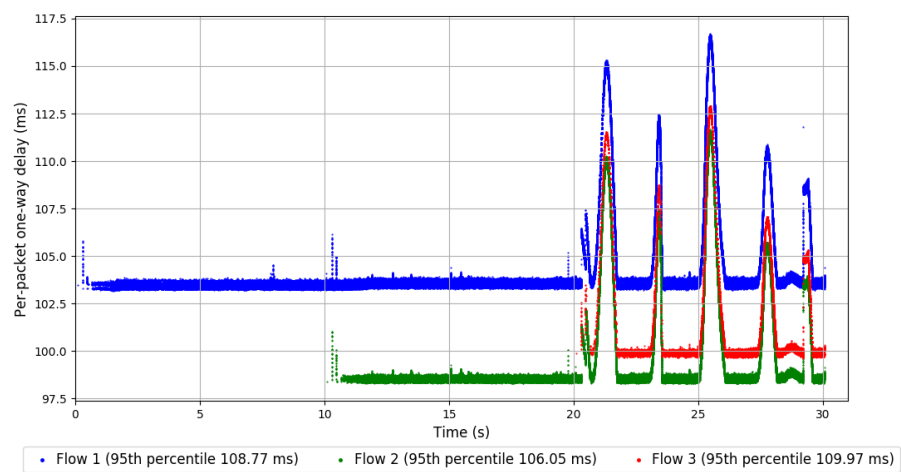
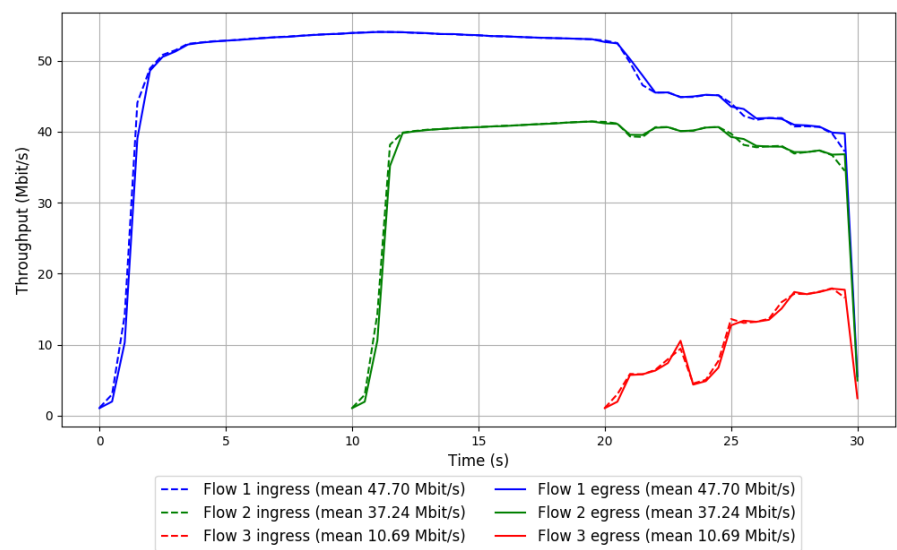
-- Flow 3:

Average throughput: 10.69 Mbit/s

95th percentile per-packet one-way delay: 109.972 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

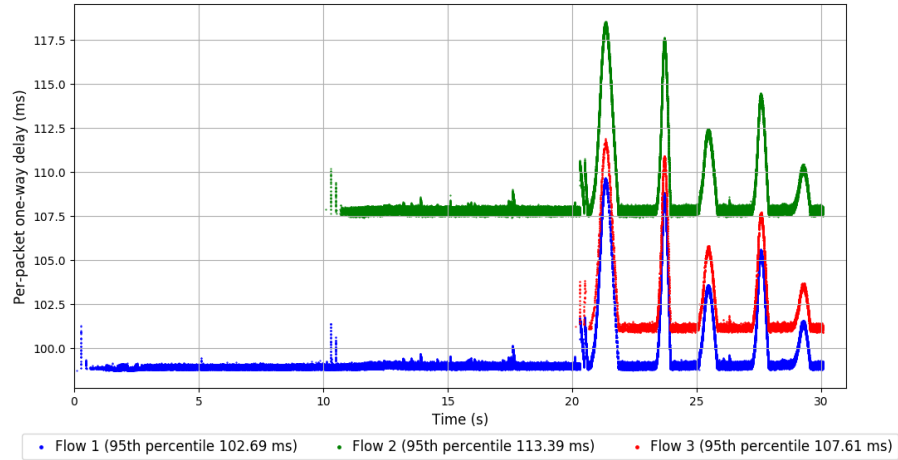
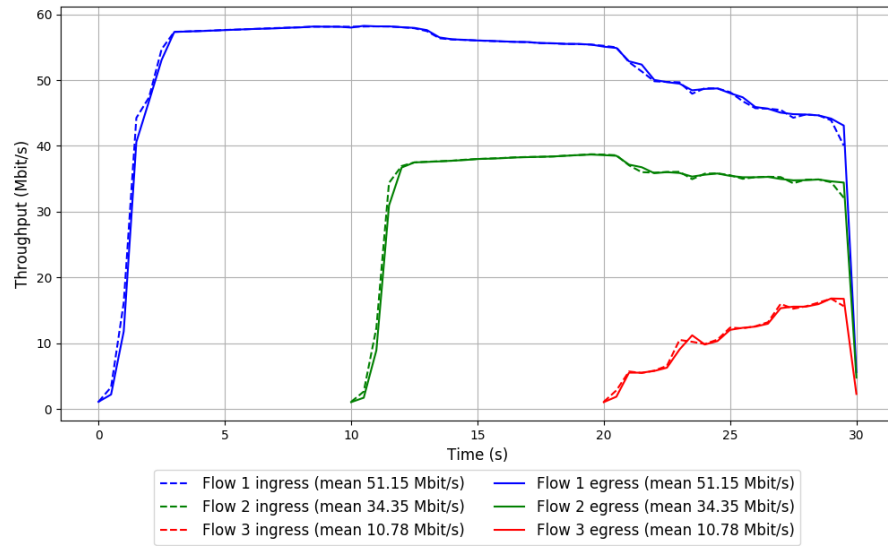


Run 7: Statistics of Copa

Start at: 2018-02-01 03:53:12
End at: 2018-02-01 03:53:42
Local clock offset: -0.234 ms
Remote clock offset: 0.292 ms

Below is generated by plot.py at 2018-02-01 06:07:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.58 Mbit/s
95th percentile per-packet one-way delay: 109.077 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 102.686 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 113.387 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 10.78 Mbit/s
95th percentile per-packet one-way delay: 107.613 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

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

End at: 2018-02-01 04:17:34

Local clock offset: -0.347 ms

Remote clock offset: 0.669 ms

Below is generated by plot.py at 2018-02-01 06:07:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.66 Mbit/s

95th percentile per-packet one-way delay: 109.388 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 49.33 Mbit/s

95th percentile per-packet one-way delay: 110.166 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.13 Mbit/s

95th percentile per-packet one-way delay: 106.404 ms

Loss rate: 0.00%

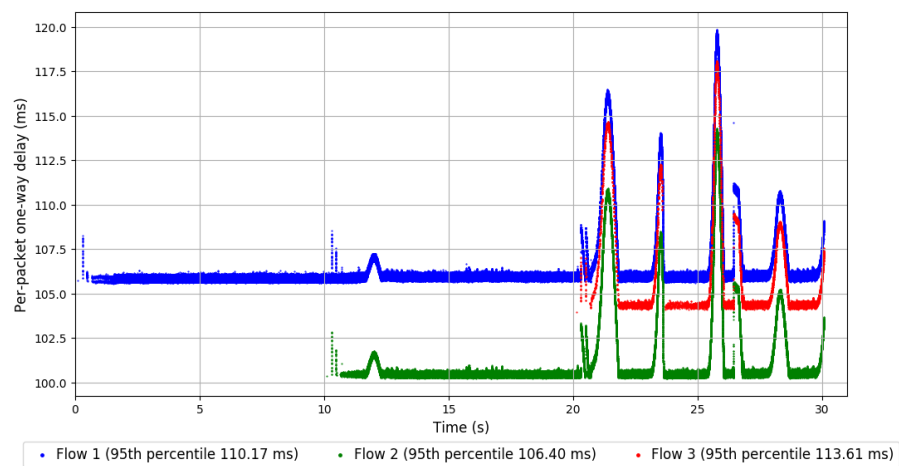
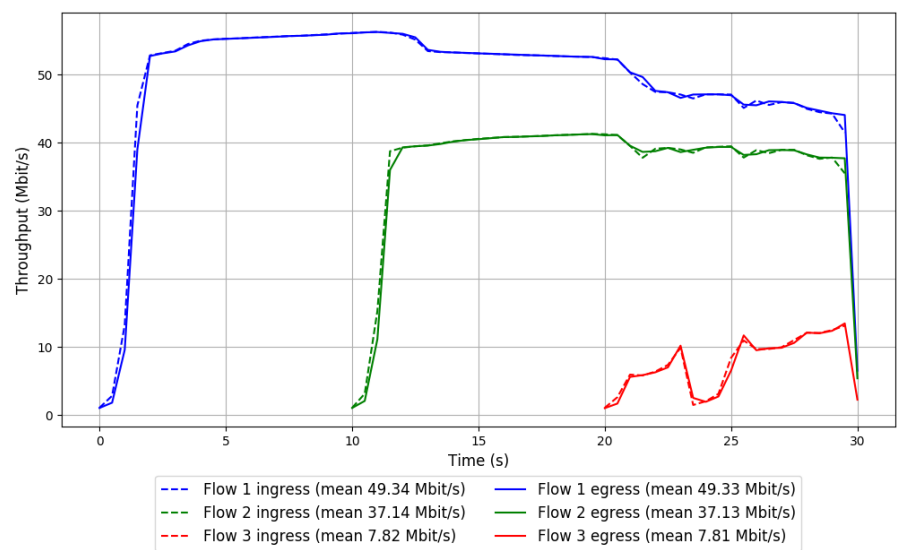
-- Flow 3:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 113.614 ms

Loss rate: 0.03%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-01 04:40:52

End at: 2018-02-01 04:41:22

Local clock offset: -0.291 ms

Remote clock offset: 0.777 ms

Below is generated by plot.py at 2018-02-01 06:08:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.02 Mbit/s

95th percentile per-packet one-way delay: 107.119 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.34 Mbit/s

95th percentile per-packet one-way delay: 106.461 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.63 Mbit/s

95th percentile per-packet one-way delay: 107.034 ms

Loss rate: 0.00%

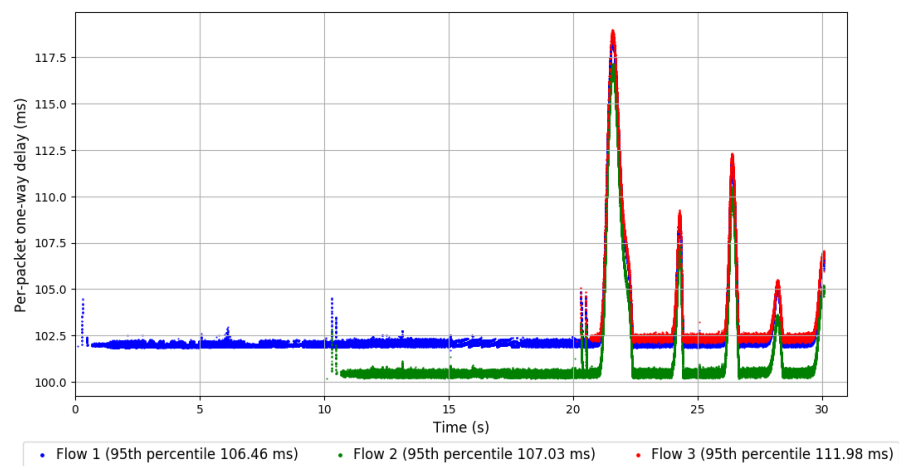
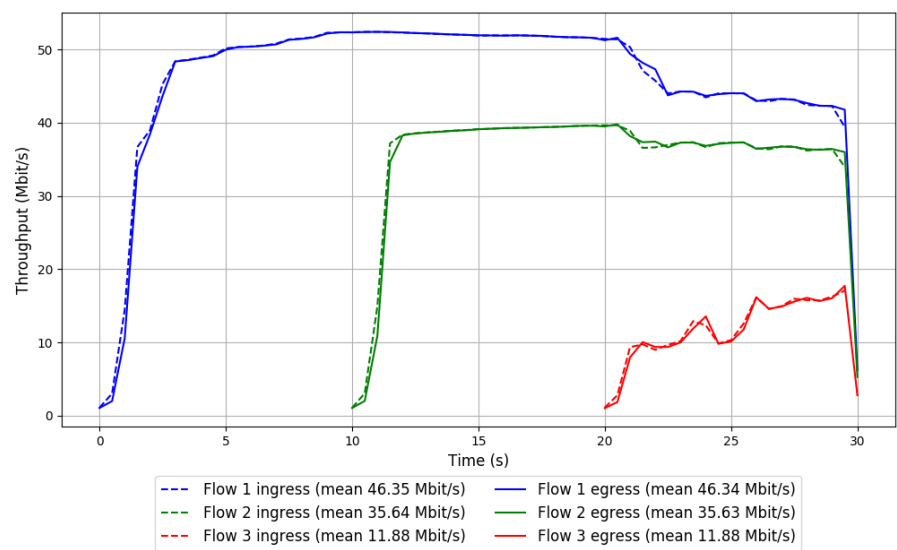
-- Flow 3:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 111.982 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

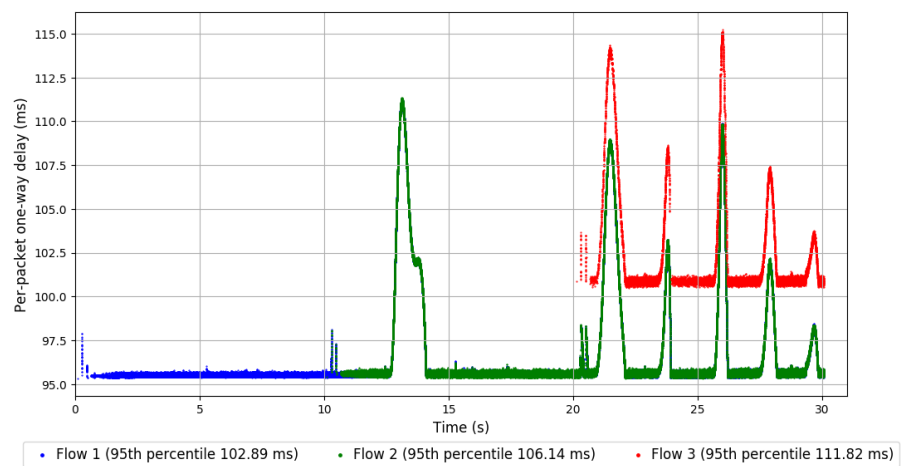
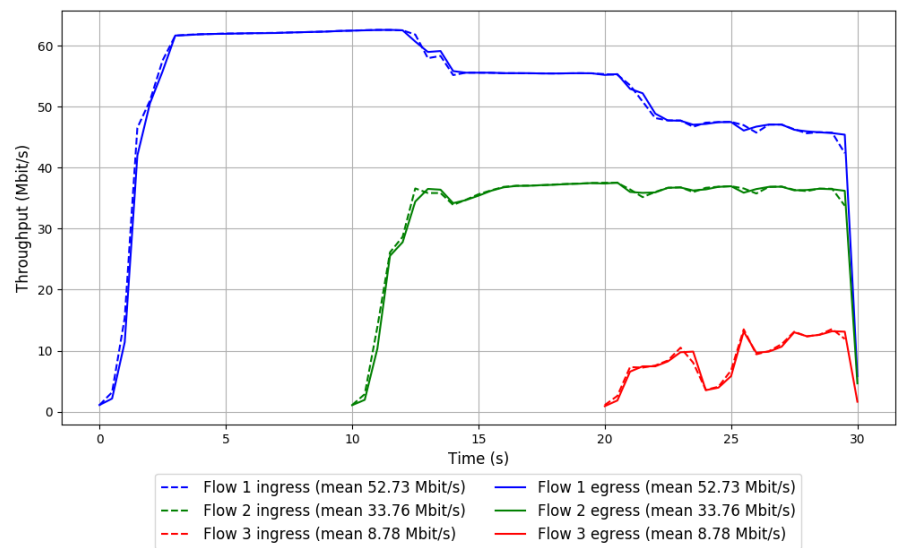


Run 10: Statistics of Copa

Start at: 2018-02-01 05:04:37
End at: 2018-02-01 05:05:07
Local clock offset: -0.29 ms
Remote clock offset: -3.089 ms

Below is generated by plot.py at 2018-02-01 06:09:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 104.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.73 Mbit/s
95th percentile per-packet one-way delay: 102.887 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 106.142 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.78 Mbit/s
95th percentile per-packet one-way delay: 111.821 ms
Loss rate: 0.06%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-01 01:28:46

End at: 2018-02-01 01:29:16

Local clock offset: 0.228 ms

Remote clock offset: 3.228 ms

Below is generated by plot.py at 2018-02-01 06:09:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.71 Mbit/s

95th percentile per-packet one-way delay: 130.191 ms

Loss rate: 19.06%

-- Flow 1:

Average throughput: 51.85 Mbit/s

95th percentile per-packet one-way delay: 129.407 ms

Loss rate: 15.55%

-- Flow 2:

Average throughput: 38.50 Mbit/s

95th percentile per-packet one-way delay: 130.381 ms

Loss rate: 18.74%

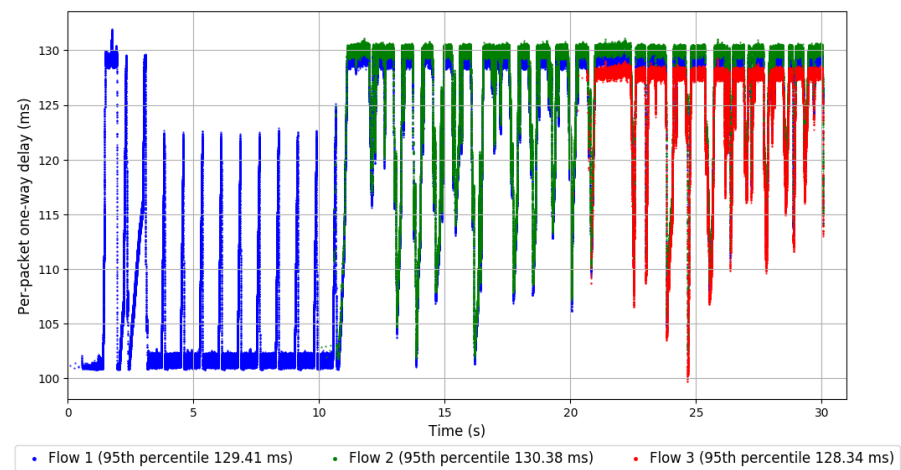
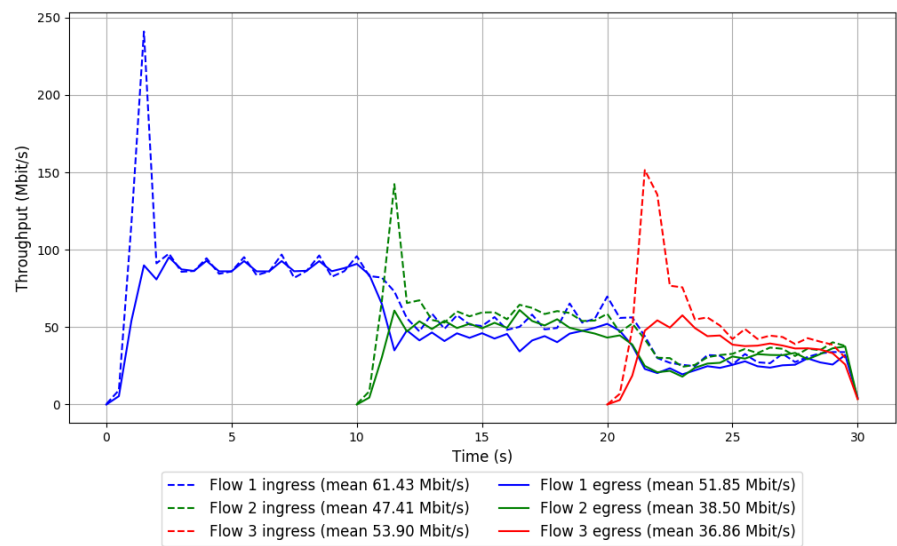
-- Flow 3:

Average throughput: 36.86 Mbit/s

95th percentile per-packet one-way delay: 128.341 ms

Loss rate: 31.64%

Run 1: Report of FillP — Data Link

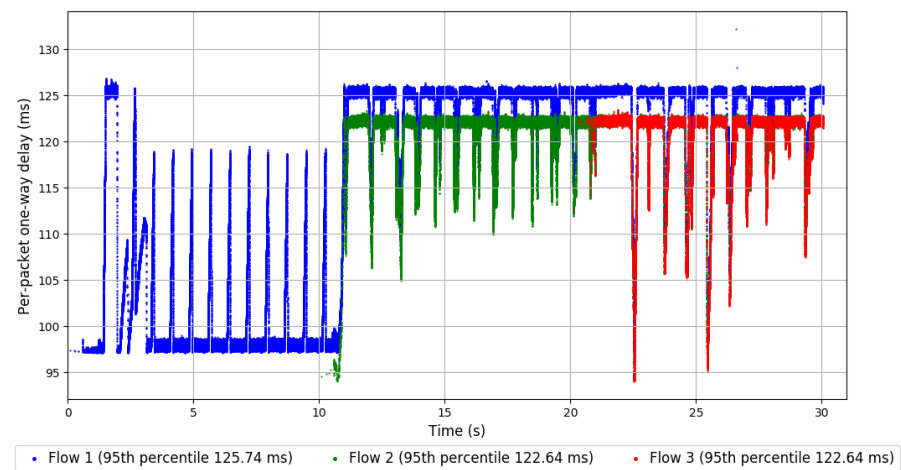
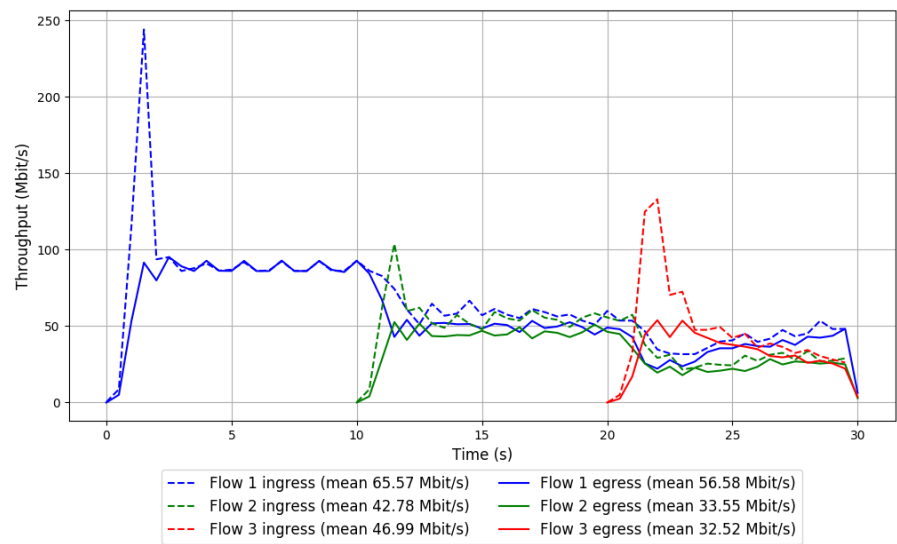


Run 2: Statistics of FillP

Start at: 2018-02-01 01:52:40
End at: 2018-02-01 01:53:10
Local clock offset: -0.007 ms
Remote clock offset: -4.278 ms

Below is generated by plot.py at 2018-02-01 06:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 125.670 ms
Loss rate: 18.10%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 125.737 ms
Loss rate: 13.64%
-- Flow 2:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 122.643 ms
Loss rate: 21.45%
-- Flow 3:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 122.639 ms
Loss rate: 30.73%

Run 2: Report of FillP — Data Link

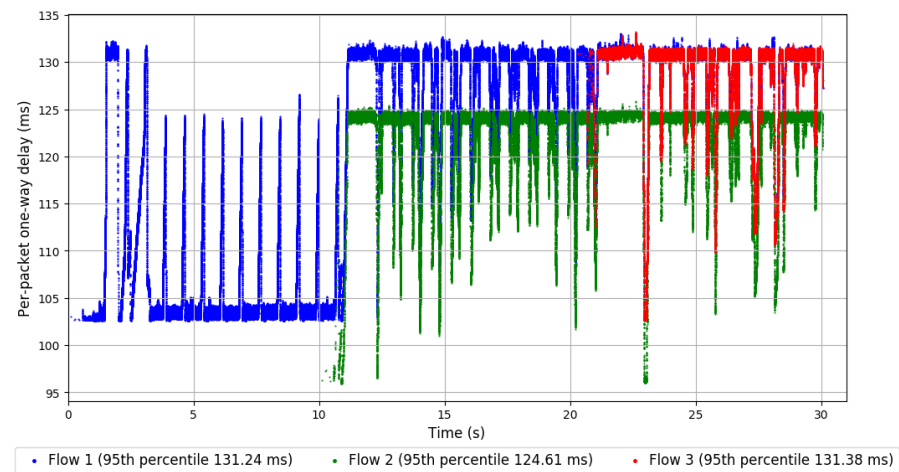
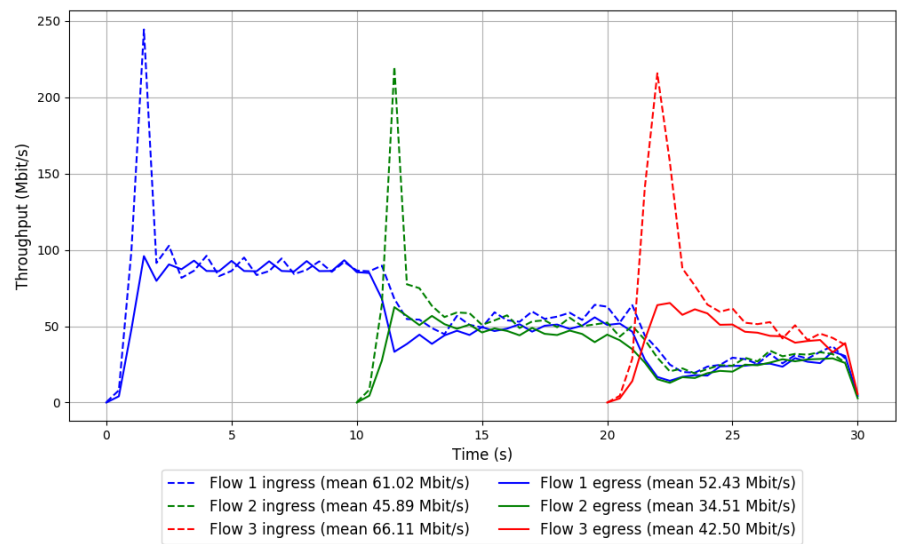


Run 3: Statistics of FillP

Start at: 2018-02-01 02:16:30
End at: 2018-02-01 02:17:00
Local clock offset: -0.081 ms
Remote clock offset: -5.983 ms

Below is generated by plot.py at 2018-02-01 06:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 131.248 ms
Loss rate: 21.08%
-- Flow 1:
Average throughput: 52.43 Mbit/s
95th percentile per-packet one-way delay: 131.239 ms
Loss rate: 14.01%
-- Flow 2:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 124.608 ms
Loss rate: 24.70%
-- Flow 3:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 131.384 ms
Loss rate: 35.73%

Run 3: Report of FillP — Data Link

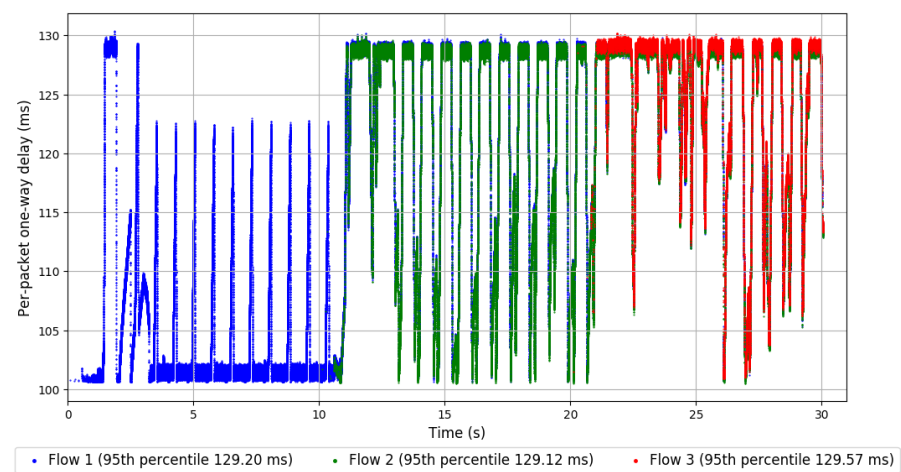
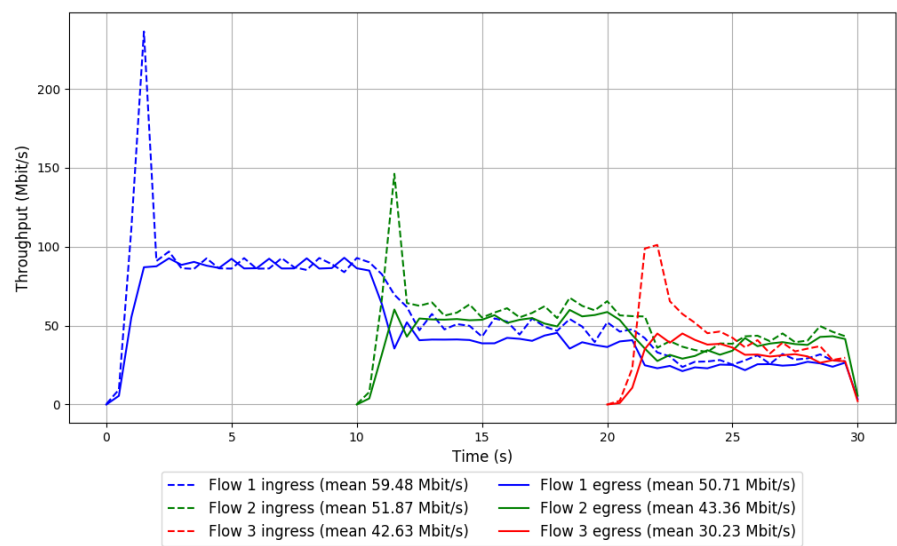


Run 4: Statistics of FillP

Start at: 2018-02-01 02:40:17
End at: 2018-02-01 02:40:47
Local clock offset: -0.049 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2018-02-01 06:10:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 129.281 ms
Loss rate: 17.10%
-- Flow 1:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 129.200 ms
Loss rate: 14.70%
-- Flow 2:
Average throughput: 43.36 Mbit/s
95th percentile per-packet one-way delay: 129.119 ms
Loss rate: 16.35%
-- Flow 3:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 129.574 ms
Loss rate: 29.01%

Run 4: Report of FillP — Data Link

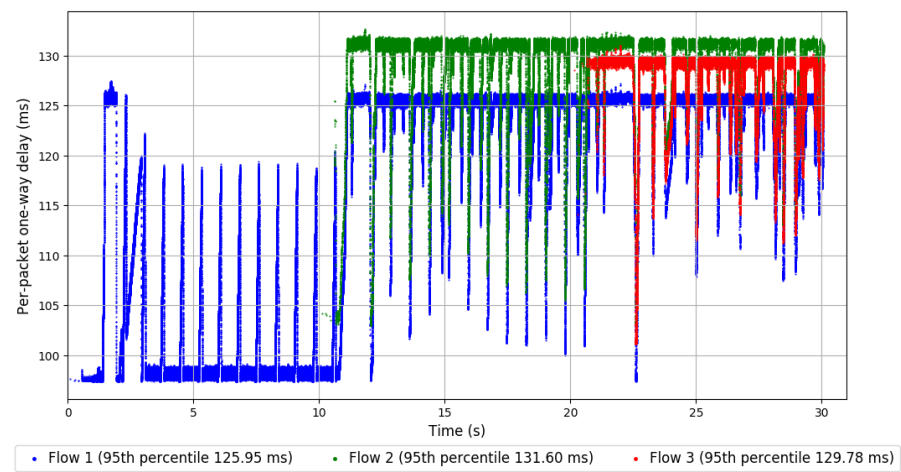
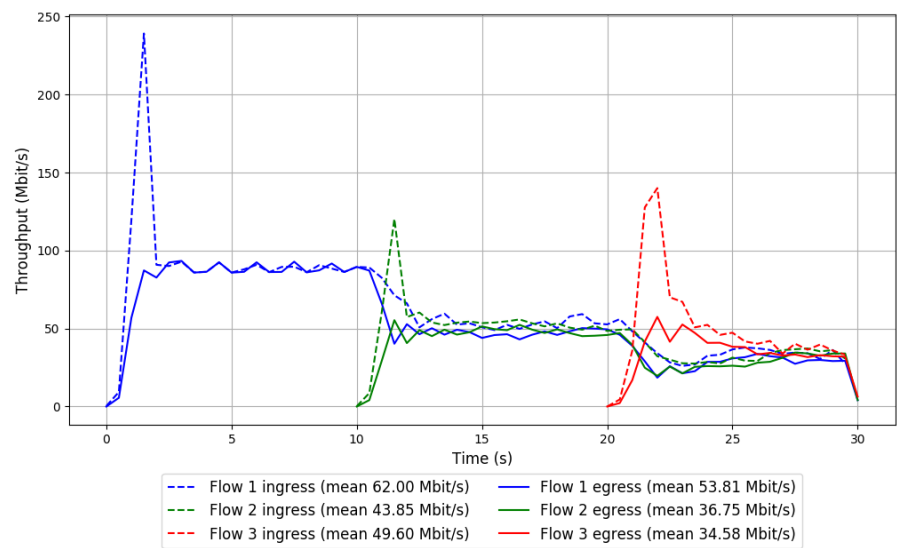


Run 5: Statistics of FillP

Start at: 2018-02-01 03:04:07
End at: 2018-02-01 03:04:37
Local clock offset: -0.068 ms
Remote clock offset: -1.893 ms

Below is generated by plot.py at 2018-02-01 06:10:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: 131.408 ms
Loss rate: 16.55%
-- Flow 1:
Average throughput: 53.81 Mbit/s
95th percentile per-packet one-way delay: 125.953 ms
Loss rate: 13.13%
-- Flow 2:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 131.603 ms
Loss rate: 16.09%
-- Flow 3:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 129.777 ms
Loss rate: 30.28%

Run 5: Report of FillP — Data Link

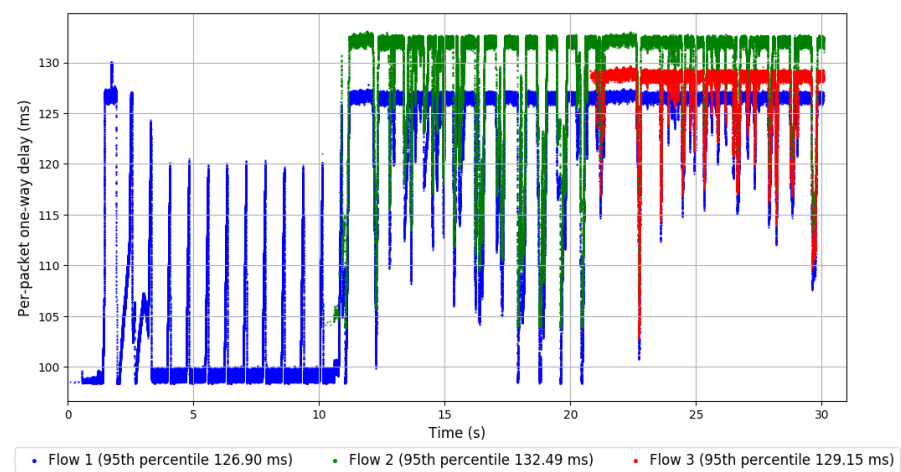
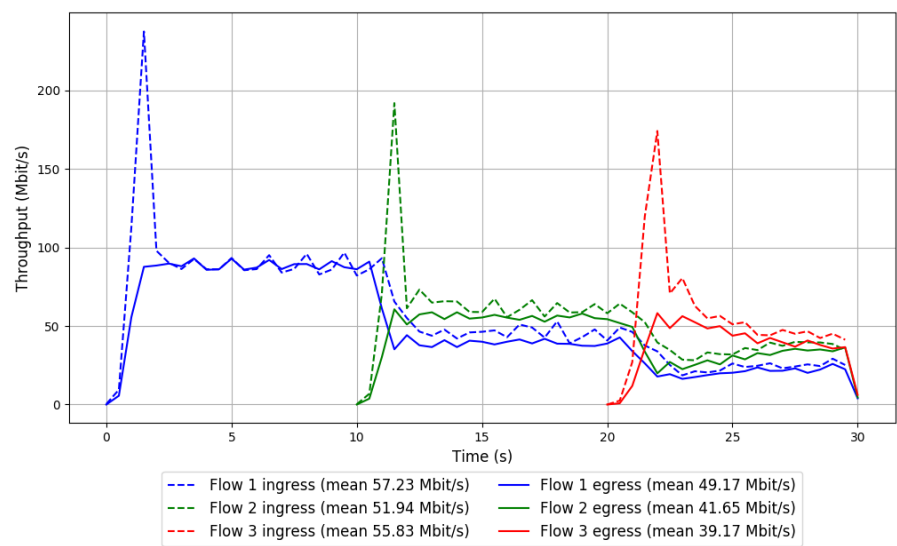


Run 6: Statistics of FillP

Start at: 2018-02-01 03:28:00
End at: 2018-02-01 03:28:30
Local clock offset: -0.16 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-02-01 06:10:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 132.336 ms
Loss rate: 18.65%
-- Flow 1:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 126.899 ms
Loss rate: 14.01%
-- Flow 2:
Average throughput: 41.65 Mbit/s
95th percentile per-packet one-way delay: 132.493 ms
Loss rate: 19.78%
-- Flow 3:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 129.150 ms
Loss rate: 30.87%

Run 6: Report of FillP — Data Link

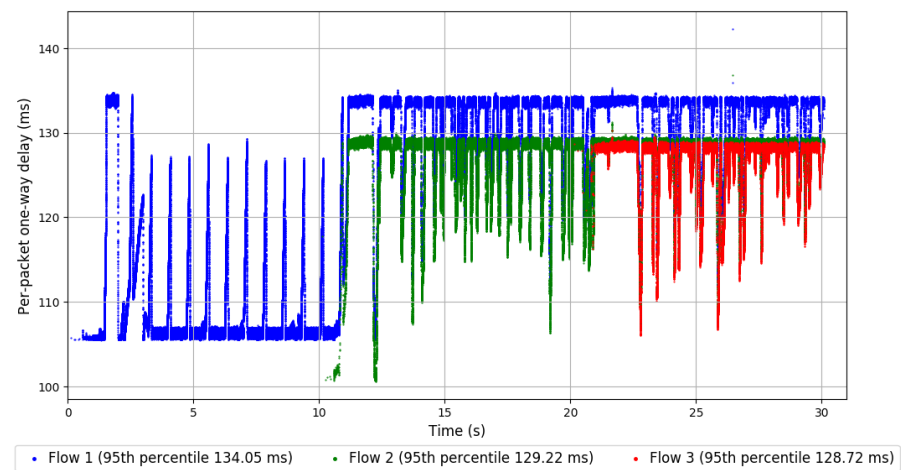
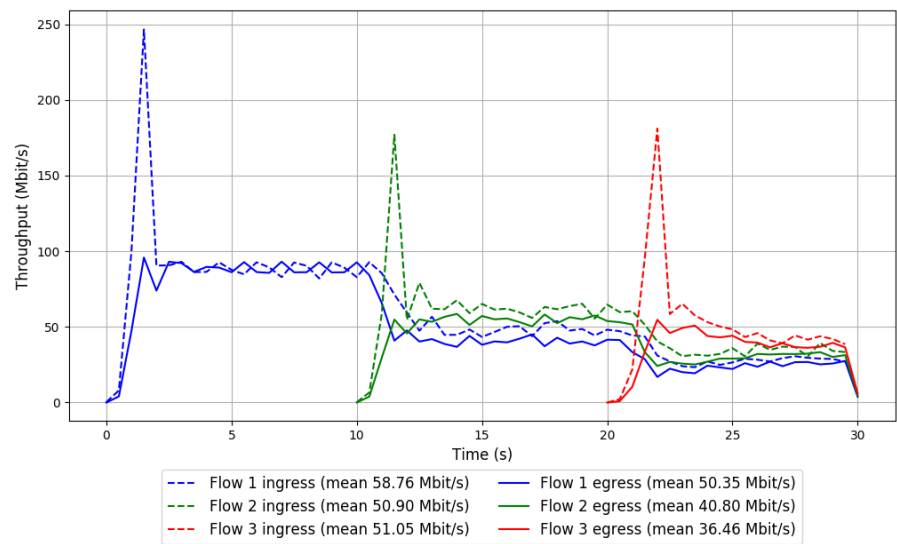


Run 7: Statistics of FillP

Start at: 2018-02-01 03:51:49
End at: 2018-02-01 03:52:19
Local clock offset: -0.248 ms
Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-02-01 06:11:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 133.944 ms
Loss rate: 18.17%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 134.053 ms
Loss rate: 14.24%
-- Flow 2:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 129.215 ms
Loss rate: 19.80%
-- Flow 3:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 128.724 ms
Loss rate: 28.58%

Run 7: Report of FillP — Data Link

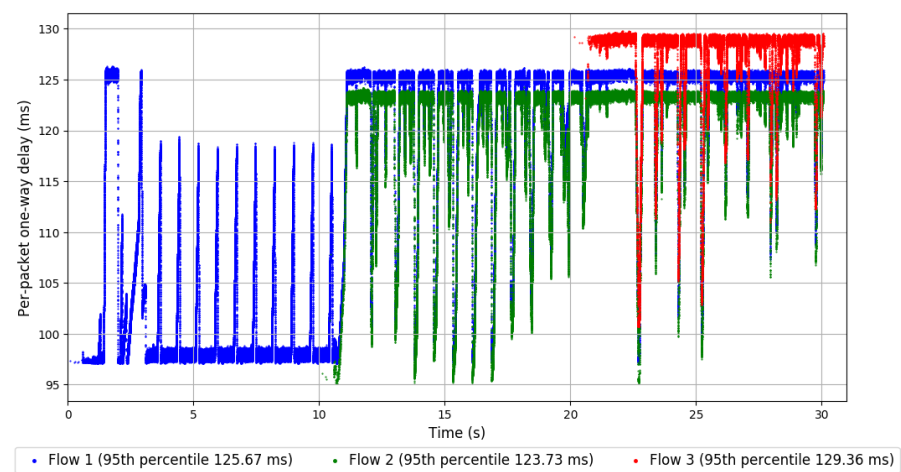
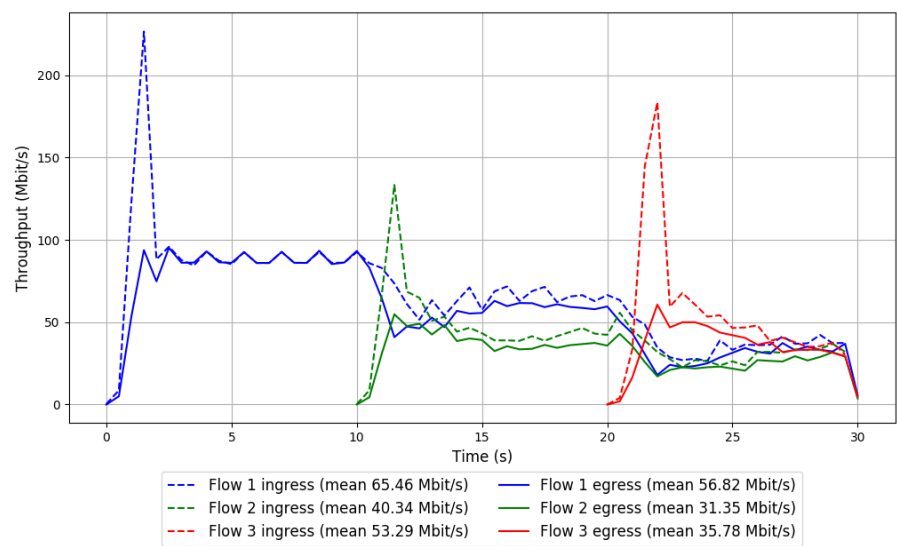


Run 8: Statistics of FillP

Start at: 2018-02-01 04:15:41
End at: 2018-02-01 04:16:11
Local clock offset: -0.274 ms
Remote clock offset: -4.213 ms

Below is generated by plot.py at 2018-02-01 06:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 129.015 ms
Loss rate: 18.50%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 125.670 ms
Loss rate: 13.11%
-- Flow 2:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 123.730 ms
Loss rate: 22.17%
-- Flow 3:
Average throughput: 35.78 Mbit/s
95th percentile per-packet one-way delay: 129.357 ms
Loss rate: 32.88%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-01 04:39:28

End at: 2018-02-01 04:39:58

Local clock offset: -0.291 ms

Remote clock offset: 0.707 ms

Below is generated by plot.py at 2018-02-01 06:12:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.69 Mbit/s

95th percentile per-packet one-way delay: 130.130 ms

Loss rate: 16.66%

-- Flow 1:

Average throughput: 56.09 Mbit/s

95th percentile per-packet one-way delay: 127.397 ms

Loss rate: 13.07%

-- Flow 2:

Average throughput: 34.63 Mbit/s

95th percentile per-packet one-way delay: 129.052 ms

Loss rate: 21.45%

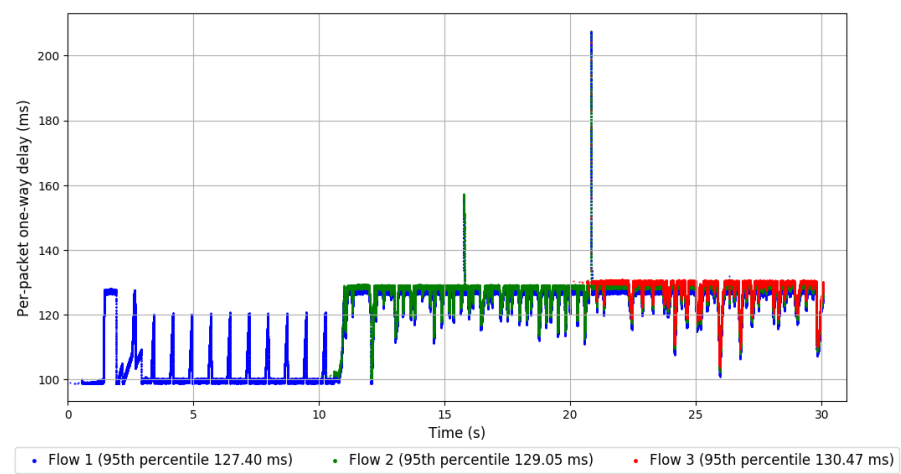
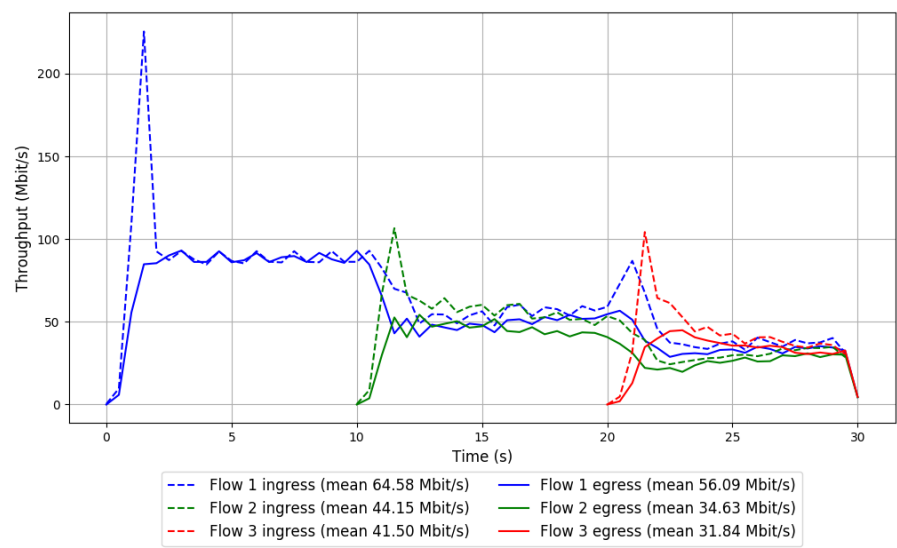
-- Flow 3:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 130.468 ms

Loss rate: 23.27%

Run 9: Report of FillP — Data Link

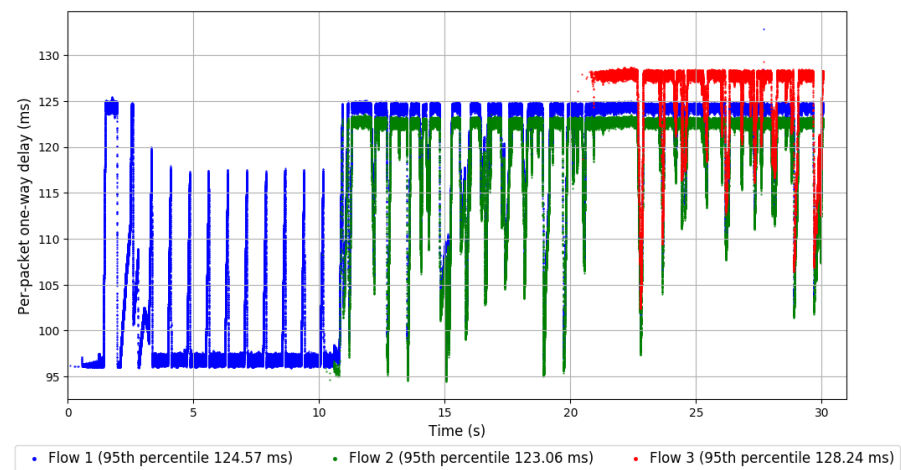
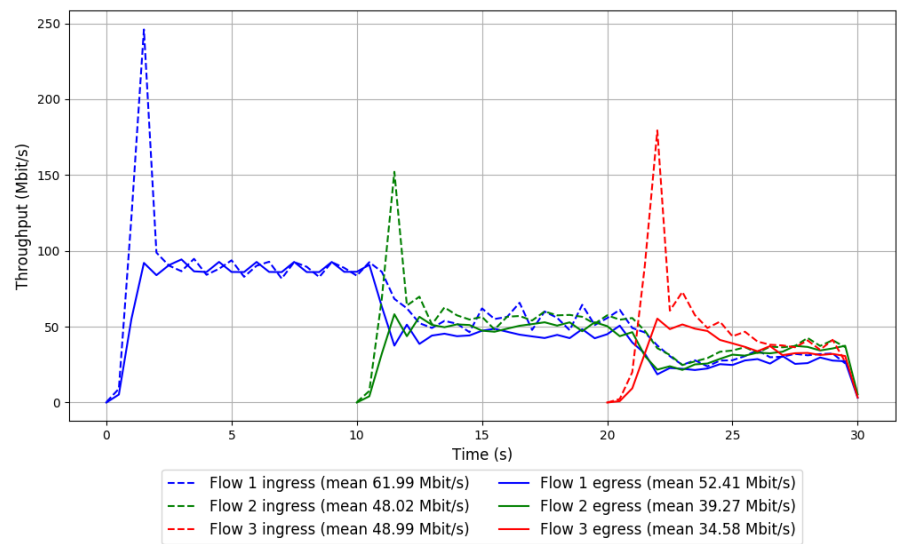


Run 10: Statistics of FillP

Start at: 2018-02-01 05:03:13
End at: 2018-02-01 05:03:43
Local clock offset: -0.298 ms
Remote clock offset: -4.056 ms

Below is generated by plot.py at 2018-02-01 06:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 127.894 ms
Loss rate: 18.42%
-- Flow 1:
Average throughput: 52.41 Mbit/s
95th percentile per-packet one-way delay: 124.568 ms
Loss rate: 15.38%
-- Flow 2:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 123.055 ms
Loss rate: 18.16%
-- Flow 3:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 128.239 ms
Loss rate: 30.52%

Run 10: Report of FillP — Data Link

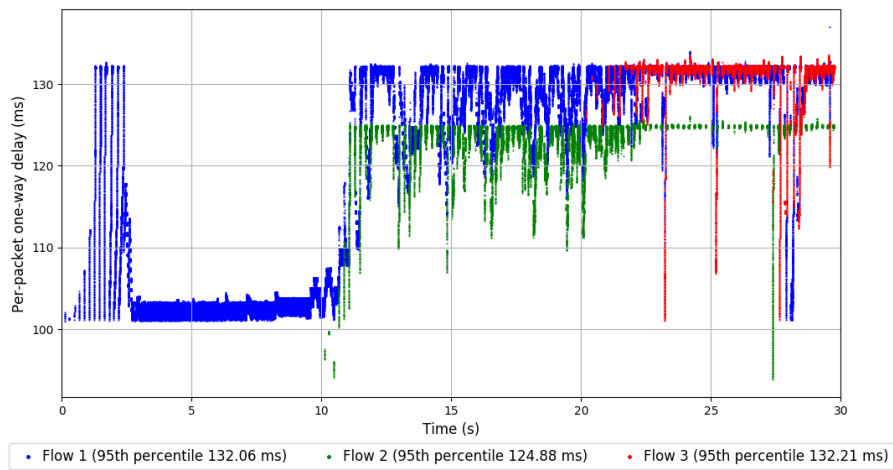
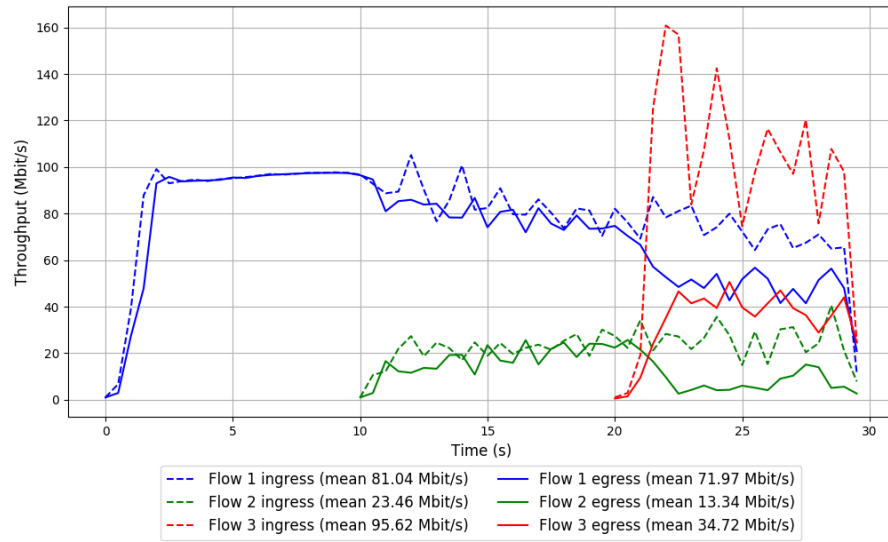


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-01 01:42:07
End at: 2018-02-01 01:42:37
Local clock offset: 0.131 ms
Remote clock offset: -3.835 ms

Below is generated by plot.py at 2018-02-01 06:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 132.124 ms
Loss rate: 27.74%
-- Flow 1:
Average throughput: 71.97 Mbit/s
95th percentile per-packet one-way delay: 132.055 ms
Loss rate: 11.11%
-- Flow 2:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 124.882 ms
Loss rate: 43.06%
-- Flow 3:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 132.214 ms
Loss rate: 63.68%

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

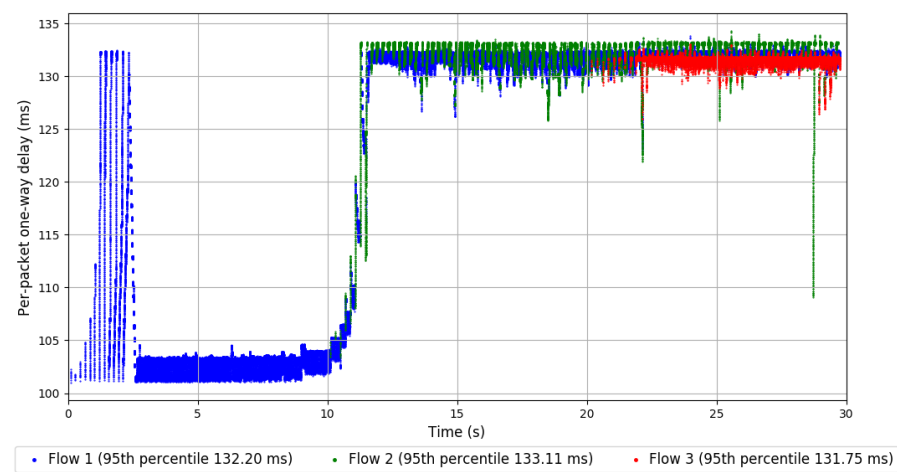
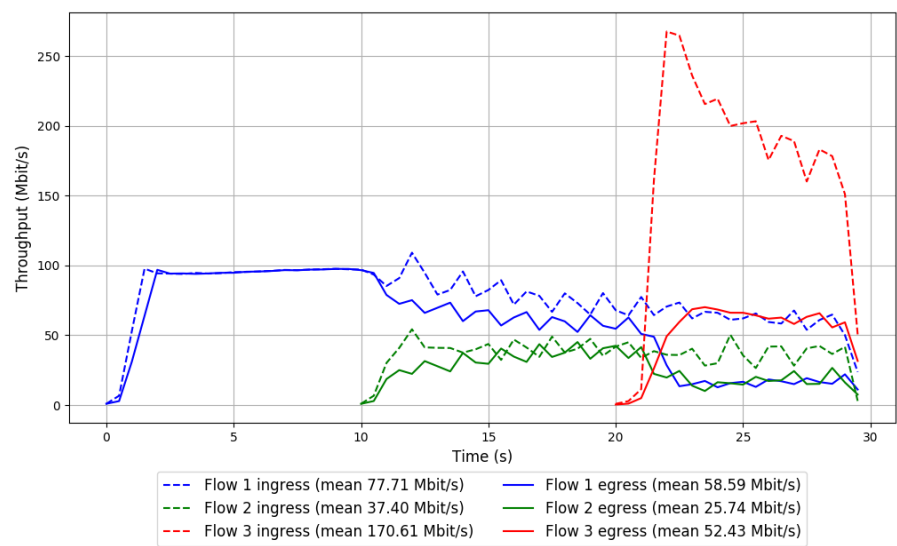


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-01 02:05:56
End at: 2018-02-01 02:06:26
Local clock offset: 0.019 ms
Remote clock offset: -0.474 ms

Below is generated by plot.py at 2018-02-01 06:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 132.949 ms
Loss rate: 41.21%
-- Flow 1:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 132.204 ms
Loss rate: 24.53%
-- Flow 2:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 133.108 ms
Loss rate: 31.09%
-- Flow 3:
Average throughput: 52.43 Mbit/s
95th percentile per-packet one-way delay: 131.746 ms
Loss rate: 69.26%

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

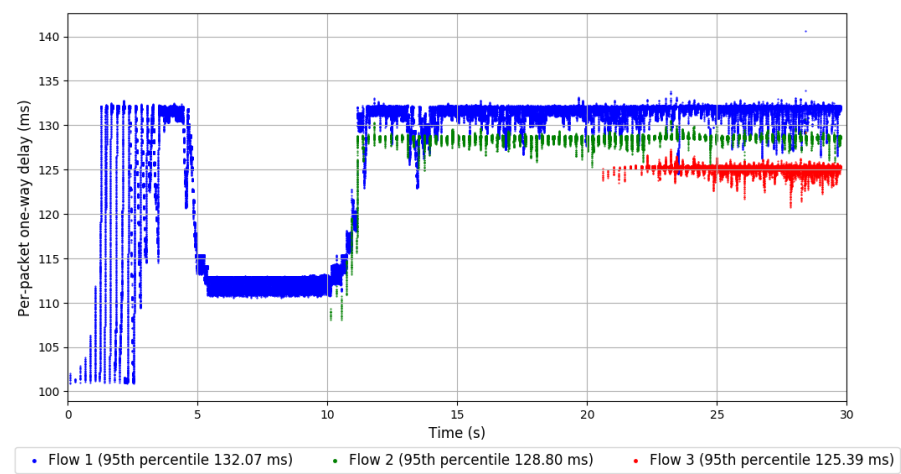
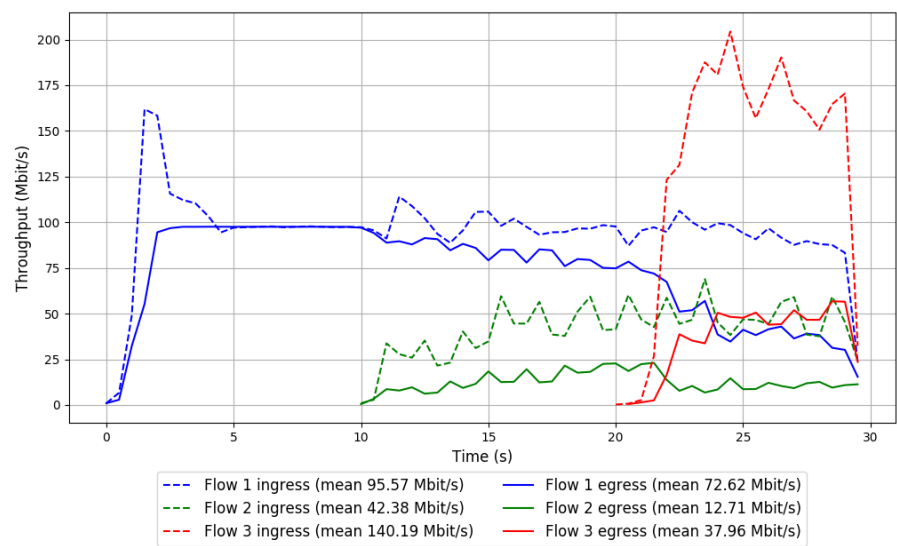


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-01 02:29:45
End at: 2018-02-01 02:30:15
Local clock offset: 0.019 ms
Remote clock offset: -6.151 ms

Below is generated by plot.py at 2018-02-01 06:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 132.055 ms
Loss rate: 44.39%
-- Flow 1:
Average throughput: 72.62 Mbit/s
95th percentile per-packet one-way delay: 132.069 ms
Loss rate: 23.94%
-- Flow 2:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 128.804 ms
Loss rate: 69.97%
-- Flow 3:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 125.394 ms
Loss rate: 72.92%

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

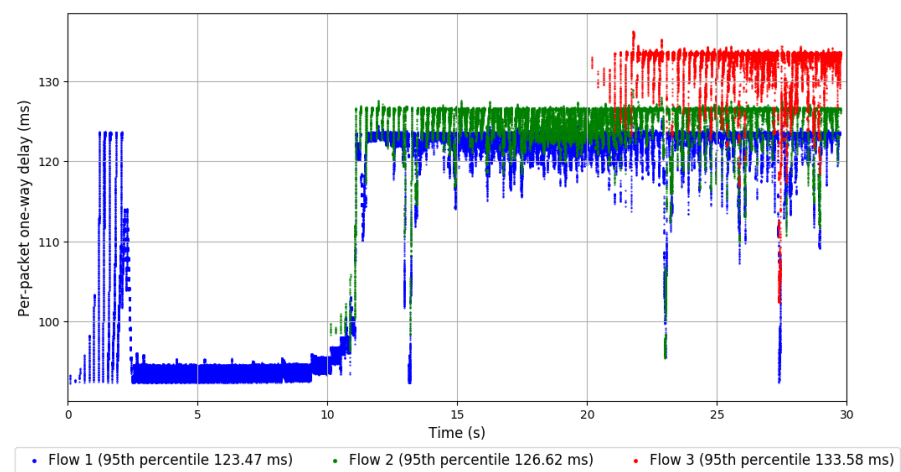
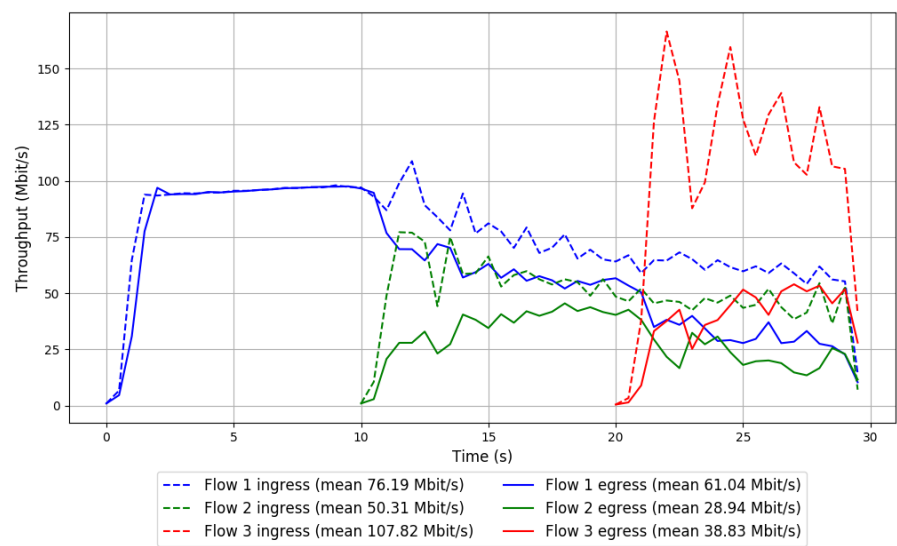


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-01 02:53:32
End at: 2018-02-01 02:54:02
Local clock offset: -0.022 ms
Remote clock offset: -6.376 ms

Below is generated by plot.py at 2018-02-01 06:12:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 133.432 ms
Loss rate: 35.68%
-- Flow 1:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 123.471 ms
Loss rate: 19.79%
-- Flow 2:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 126.617 ms
Loss rate: 42.41%
-- Flow 3:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 133.579 ms
Loss rate: 64.00%

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

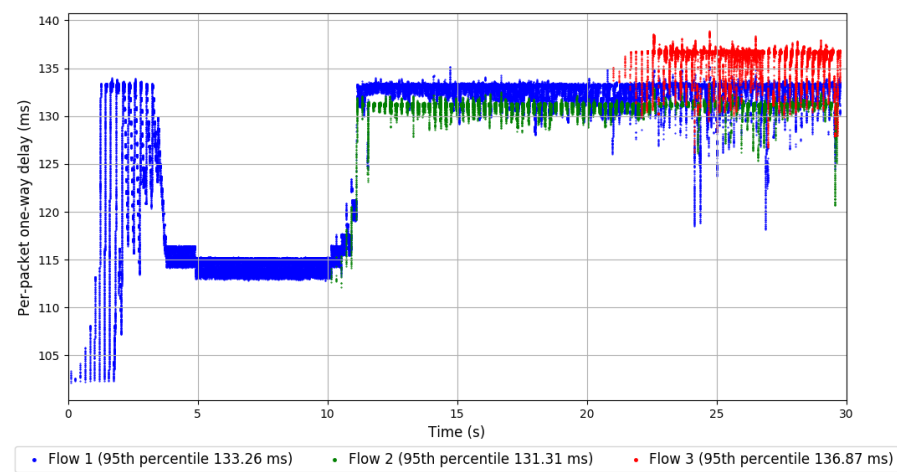
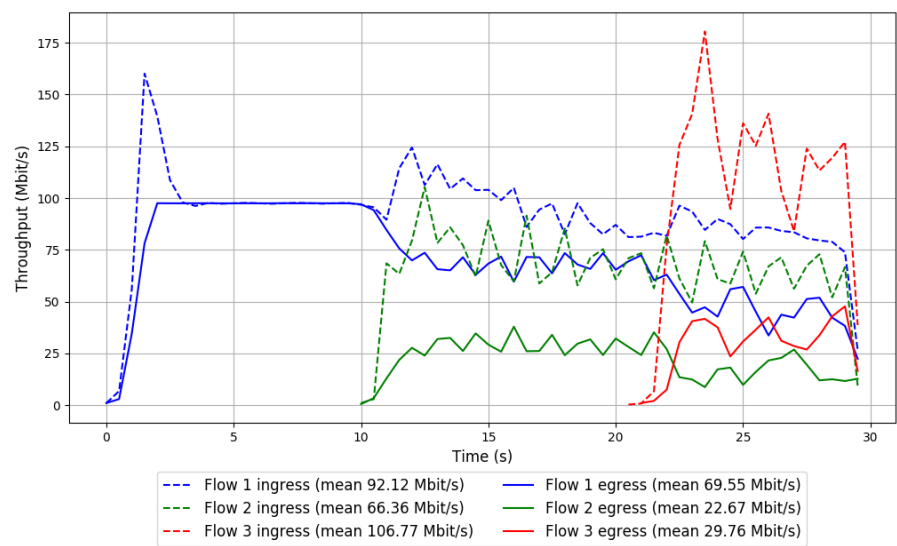


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-01 03:17:23
End at: 2018-02-01 03:17:53
Local clock offset: -0.111 ms
Remote clock offset: -0.731 ms

Below is generated by plot.py at 2018-02-01 06:13:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 136.641 ms
Loss rate: 44.21%
-- Flow 1:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 133.263 ms
Loss rate: 24.42%
-- Flow 2:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 131.313 ms
Loss rate: 65.80%
-- Flow 3:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 136.870 ms
Loss rate: 72.12%

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

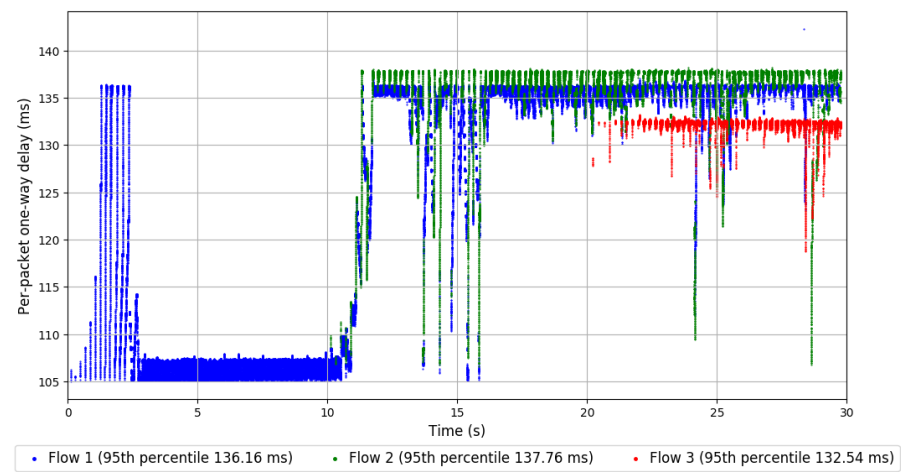
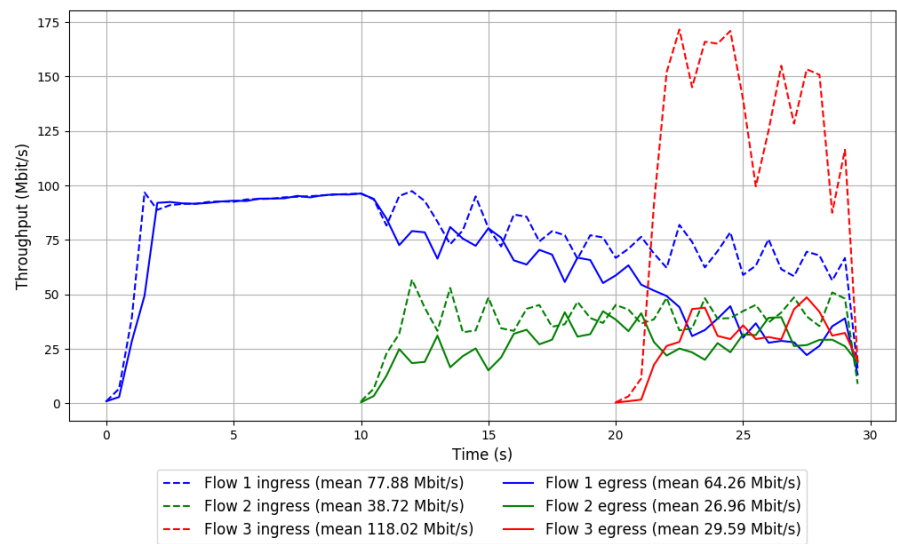


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-01 03:41:17
End at: 2018-02-01 03:41:47
Local clock offset: -0.208 ms
Remote clock offset: -0.619 ms

Below is generated by plot.py at 2018-02-01 06:13:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 137.582 ms
Loss rate: 35.19%
-- Flow 1:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 136.161 ms
Loss rate: 17.39%
-- Flow 2:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 137.763 ms
Loss rate: 30.28%
-- Flow 3:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 132.542 ms
Loss rate: 74.92%

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

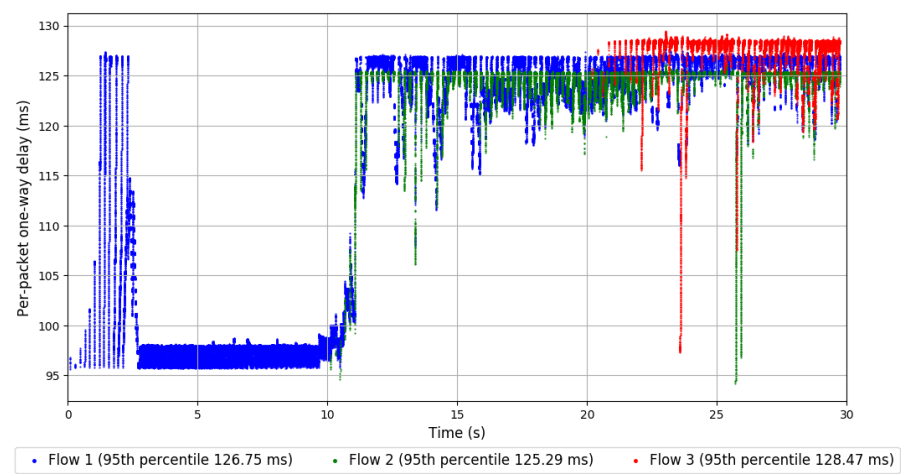
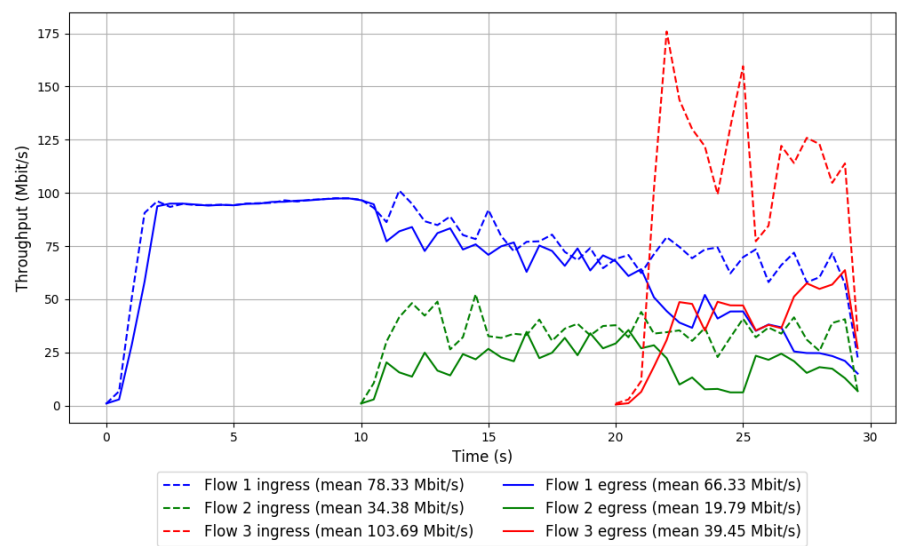


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-01 04:05:08
End at: 2018-02-01 04:05:38
Local clock offset: -0.276 ms
Remote clock offset: -4.421 ms

Below is generated by plot.py at 2018-02-01 06:13:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 128.304 ms
Loss rate: 31.41%
-- Flow 1:
Average throughput: 66.33 Mbit/s
95th percentile per-packet one-way delay: 126.754 ms
Loss rate: 15.23%
-- Flow 2:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 125.288 ms
Loss rate: 42.34%
-- Flow 3:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 128.466 ms
Loss rate: 61.94%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-01 04:28:56

End at: 2018-02-01 04:29:26

Local clock offset: -0.285 ms

Remote clock offset: 0.63 ms

Below is generated by plot.py at 2018-02-01 06:13:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 136.615 ms

Loss rate: 37.31%

-- Flow 1:

Average throughput: 62.77 Mbit/s

95th percentile per-packet one-way delay: 131.432 ms

Loss rate: 20.56%

-- Flow 2:

Average throughput: 19.94 Mbit/s

95th percentile per-packet one-way delay: 133.049 ms

Loss rate: 48.96%

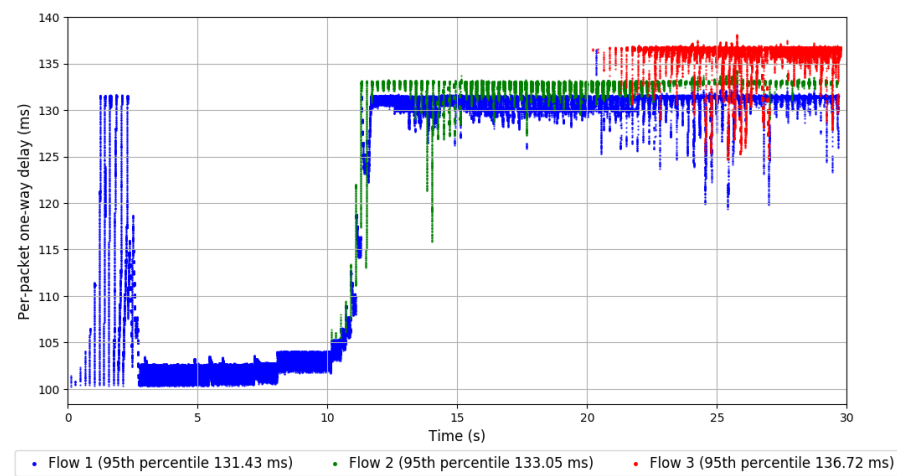
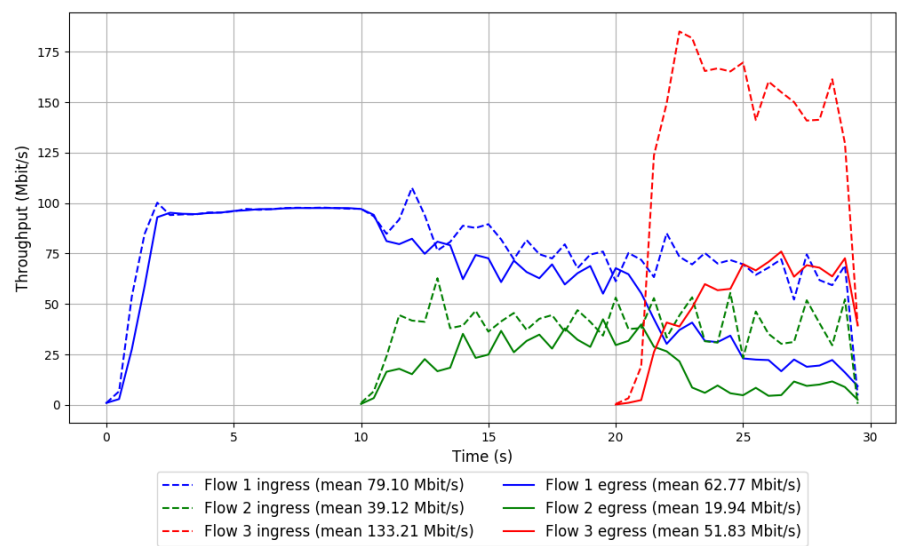
-- Flow 3:

Average throughput: 51.83 Mbit/s

95th percentile per-packet one-way delay: 136.724 ms

Loss rate: 61.10%

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

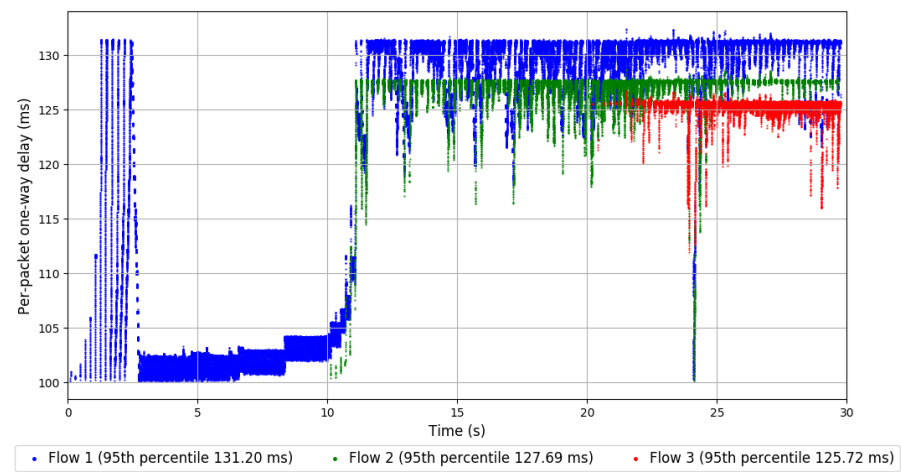
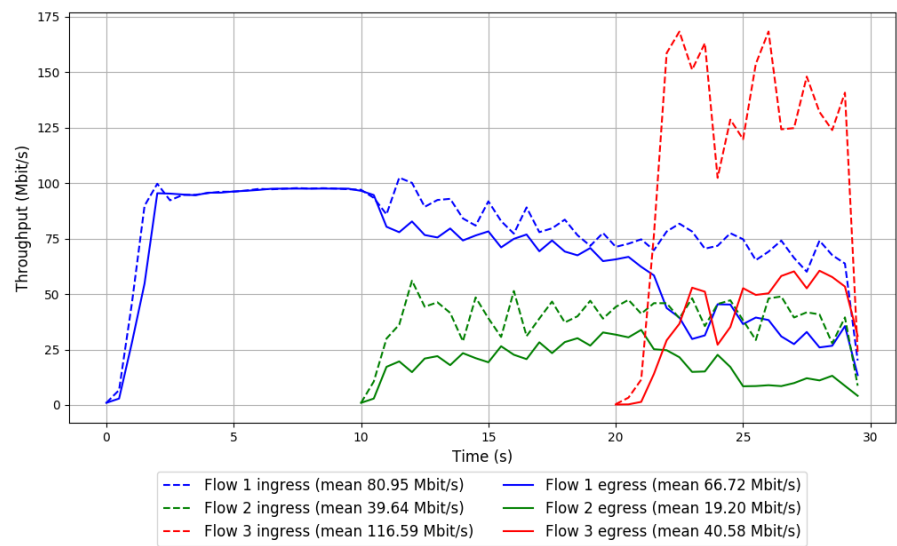


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-01 04:52:41
End at: 2018-02-01 04:53:11
Local clock offset: -0.276 ms
Remote clock offset: -4.388 ms

Below is generated by plot.py at 2018-02-01 06:13:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 131.178 ms
Loss rate: 36.03%
-- Flow 1:
Average throughput: 66.72 Mbit/s
95th percentile per-packet one-way delay: 131.199 ms
Loss rate: 17.51%
-- Flow 2:
Average throughput: 19.20 Mbit/s
95th percentile per-packet one-way delay: 127.689 ms
Loss rate: 51.51%
-- Flow 3:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 125.725 ms
Loss rate: 65.19%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-01 05:16:31

End at: 2018-02-01 05:17:01

Local clock offset: -0.269 ms

Remote clock offset: 1.904 ms

Below is generated by plot.py at 2018-02-01 06:13:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 133.030 ms

Loss rate: 39.62%

-- Flow 1:

Average throughput: 59.48 Mbit/s

95th percentile per-packet one-way delay: 133.033 ms

Loss rate: 22.13%

-- Flow 2:

Average throughput: 28.10 Mbit/s

95th percentile per-packet one-way delay: 133.060 ms

Loss rate: 31.34%

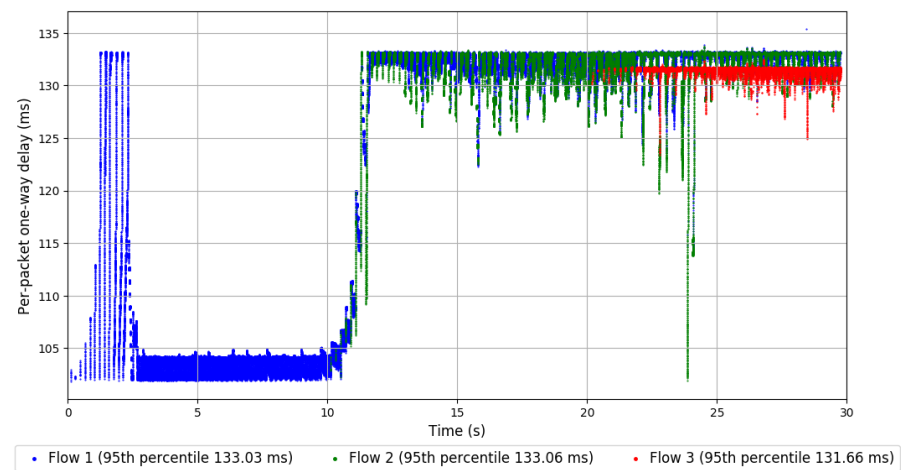
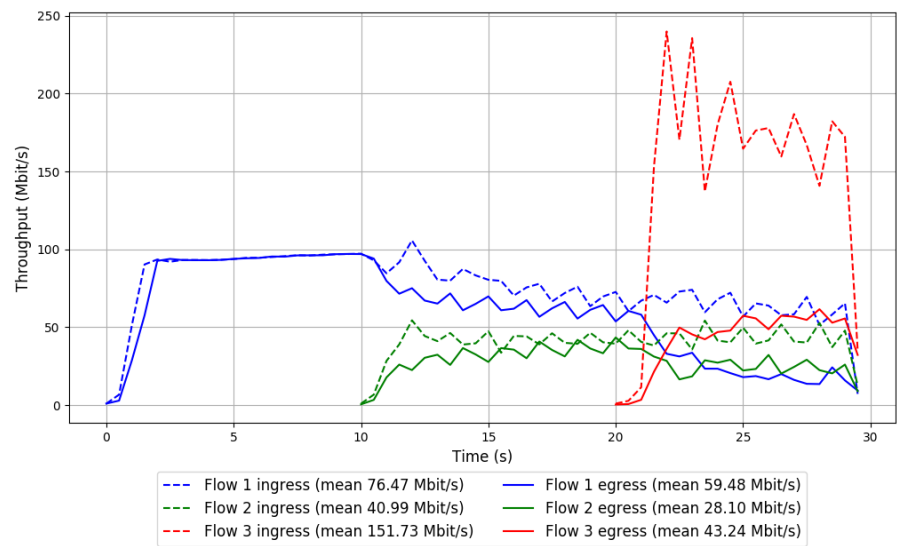
-- Flow 3:

Average throughput: 43.24 Mbit/s

95th percentile per-packet one-way delay: 131.657 ms

Loss rate: 71.50%

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

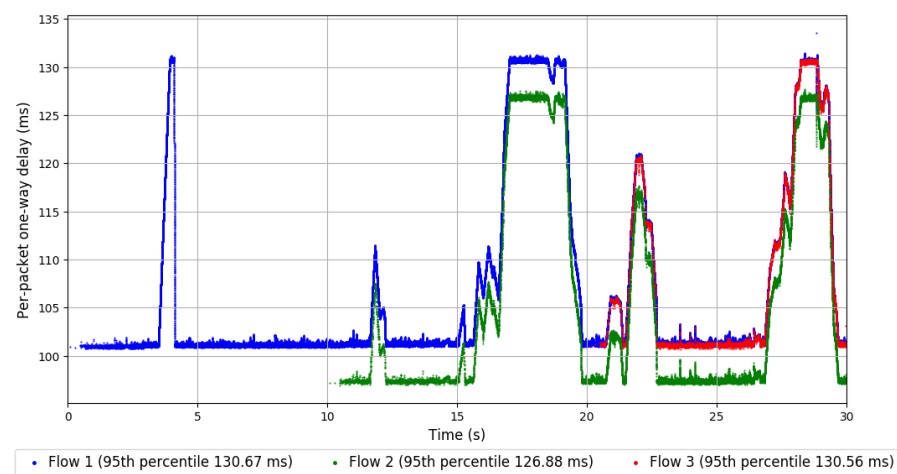
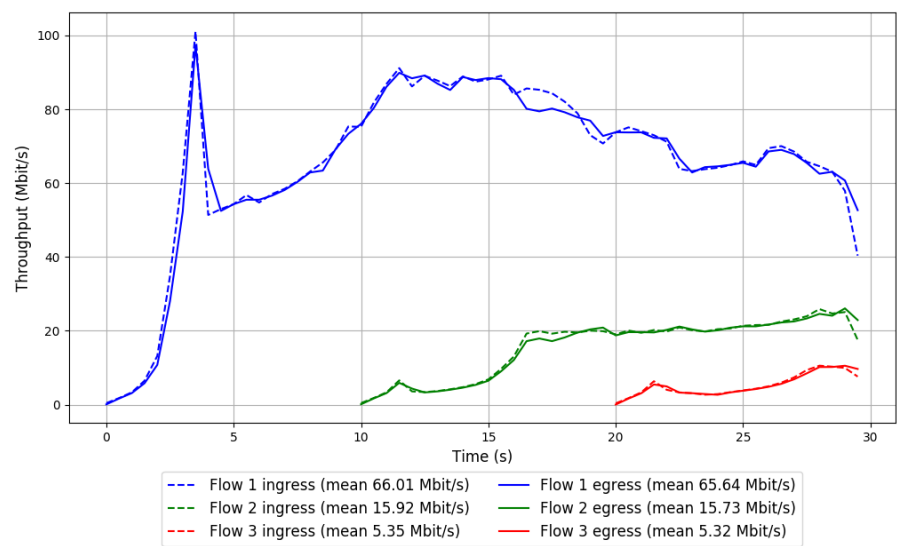


Run 1: Statistics of Vivace-latency

Start at: 2018-02-01 01:31:33
End at: 2018-02-01 01:32:03
Local clock offset: 0.206 ms
Remote clock offset: -2.578 ms

Below is generated by plot.py at 2018-02-01 06:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.85 Mbit/s
95th percentile per-packet one-way delay: 130.648 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 130.673 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 126.883 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 130.563 ms
Loss rate: 0.53%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-01 01:55:25

End at: 2018-02-01 01:55:55

Local clock offset: 0.062 ms

Remote clock offset: 0.94 ms

Below is generated by plot.py at 2018-02-01 06:13:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.15 Mbit/s

95th percentile per-packet one-way delay: 129.135 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 60.70 Mbit/s

95th percentile per-packet one-way delay: 129.031 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 17.26 Mbit/s

95th percentile per-packet one-way delay: 136.107 ms

Loss rate: 0.82%

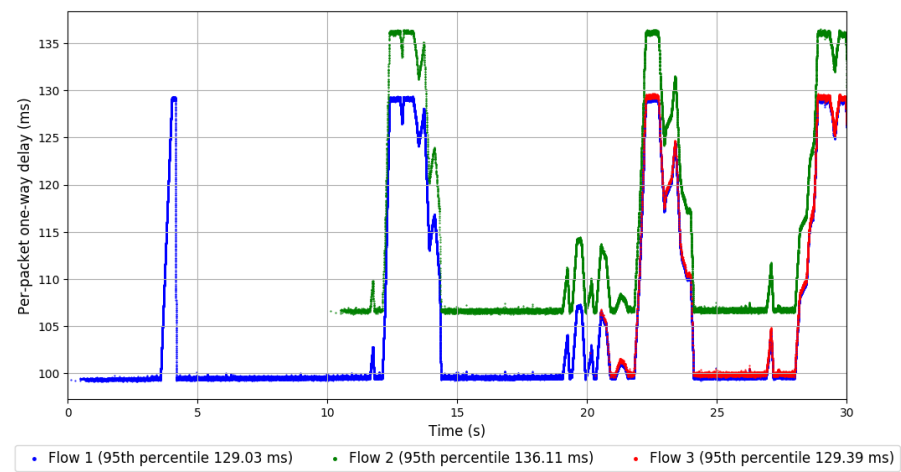
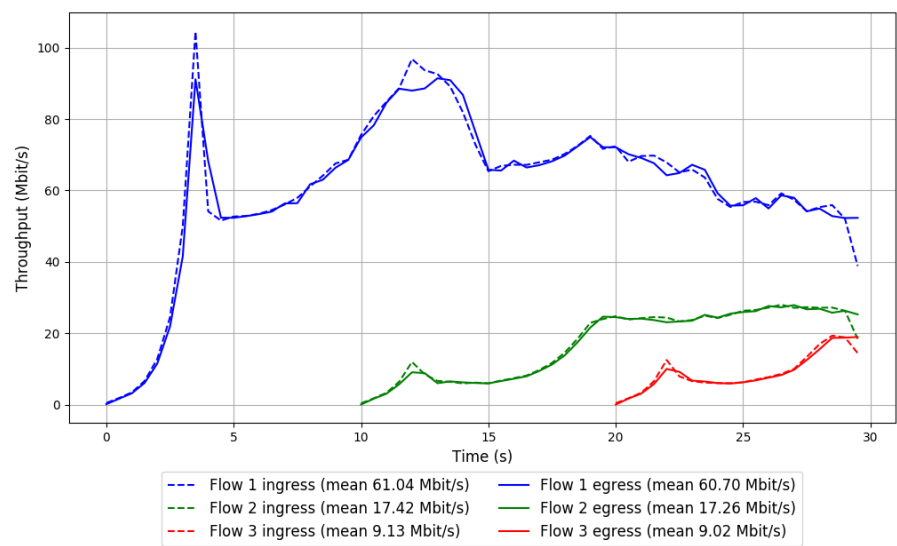
-- Flow 3:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 129.390 ms

Loss rate: 0.95%

Run 2: Report of Vivace-latency — Data Link

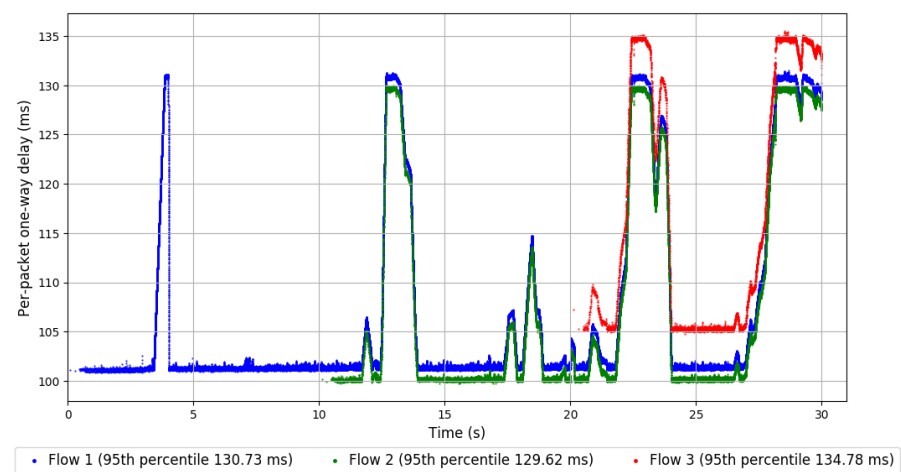
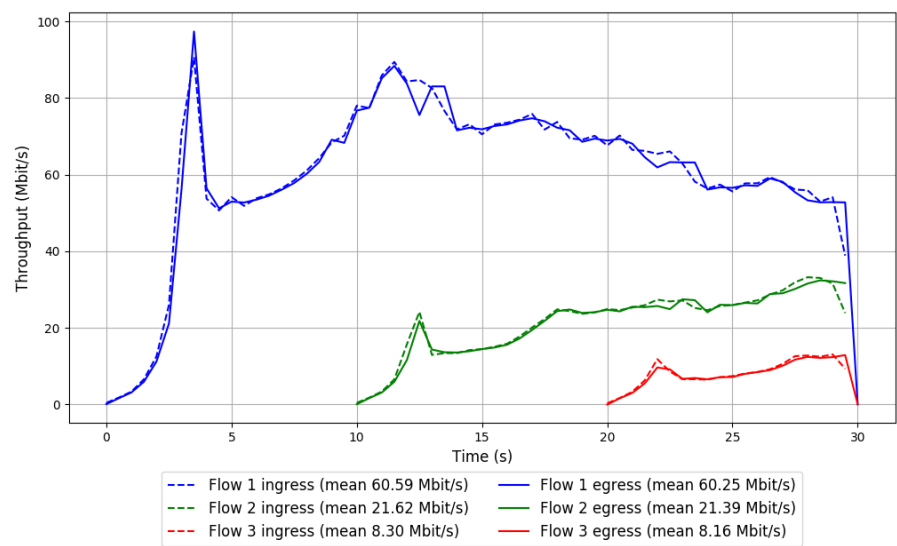


Run 3: Statistics of Vivace-latency

Start at: 2018-02-01 02:19:16
End at: 2018-02-01 02:19:46
Local clock offset: -0.001 ms
Remote clock offset: -2.069 ms

Below is generated by plot.py at 2018-02-01 06:14:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 130.740 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 60.25 Mbit/s
95th percentile per-packet one-way delay: 130.727 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 21.39 Mbit/s
95th percentile per-packet one-way delay: 129.621 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 134.777 ms
Loss rate: 1.43%

Run 3: Report of Vivace-latency — Data Link

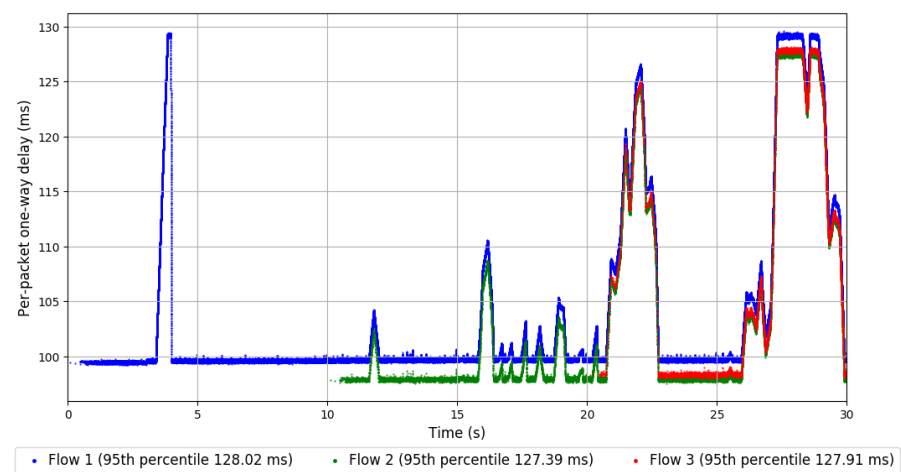
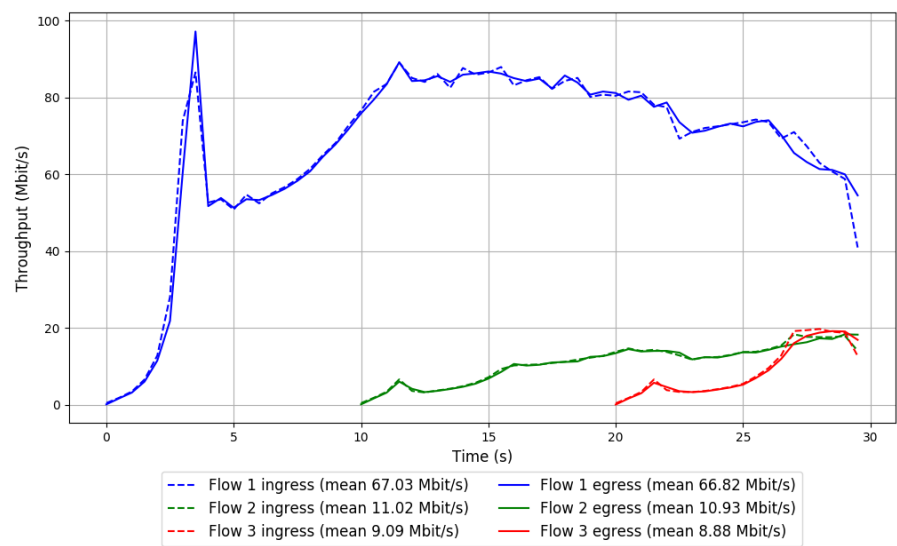


Run 4: Statistics of Vivace-latency

Start at: 2018-02-01 02:43:02
End at: 2018-02-01 02:43:32
Local clock offset: -0.06 ms
Remote clock offset: -2.367 ms

Below is generated by plot.py at 2018-02-01 06:14:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 127.773 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 66.82 Mbit/s
95th percentile per-packet one-way delay: 128.024 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 127.395 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 127.910 ms
Loss rate: 2.23%

Run 4: Report of Vivace-latency — Data Link

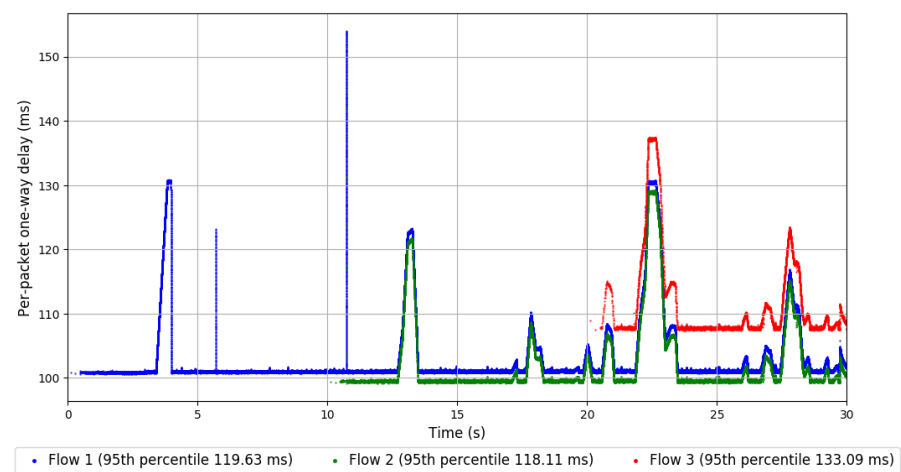
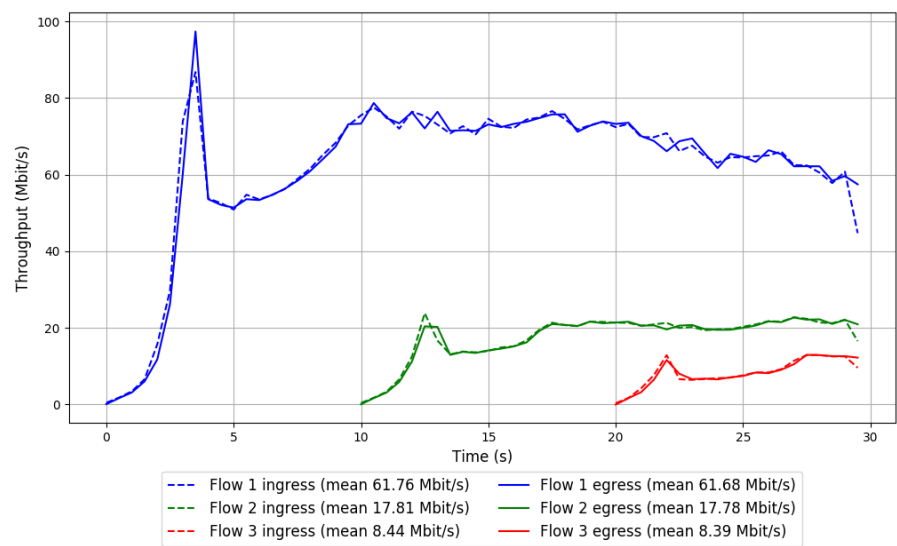


Run 5: Statistics of Vivace-latency

Start at: 2018-02-01 03:06:53
End at: 2018-02-01 03:07:23
Local clock offset: -0.086 ms
Remote clock offset: -0.957 ms

Below is generated by plot.py at 2018-02-01 06:14:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.27 Mbit/s
95th percentile per-packet one-way delay: 120.404 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 119.629 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 17.78 Mbit/s
95th percentile per-packet one-way delay: 118.111 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 133.087 ms
Loss rate: 0.63%

Run 5: Report of Vivace-latency — Data Link

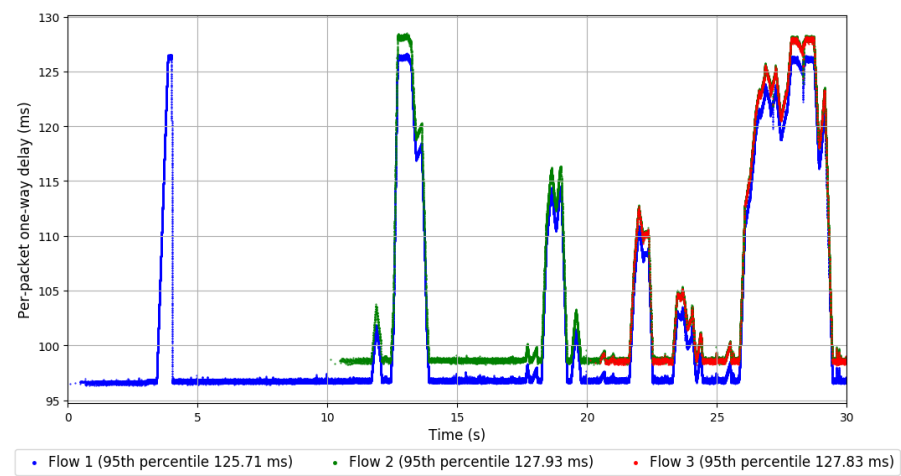
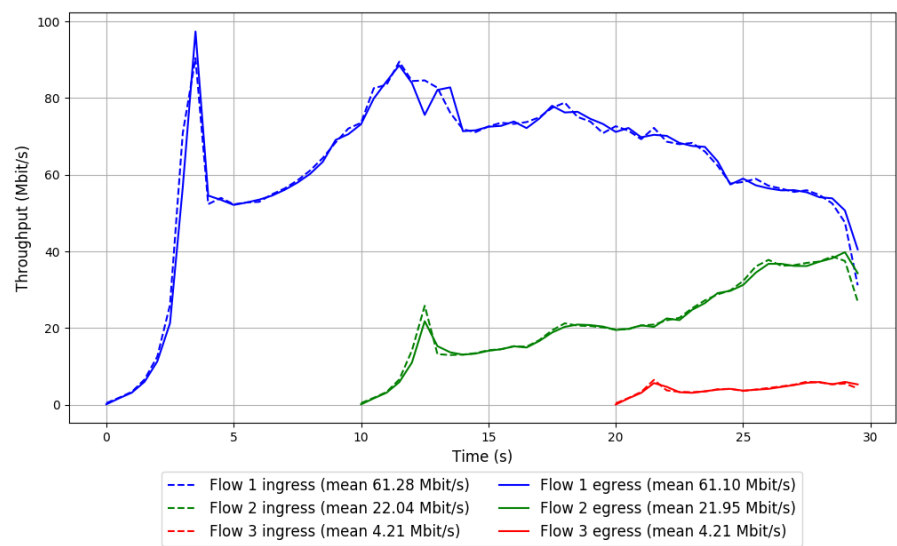


Run 6: Statistics of Vivace-latency

Start at: 2018-02-01 03:30:47
End at: 2018-02-01 03:31:17
Local clock offset: -0.248 ms
Remote clock offset: -5.821 ms

Below is generated by plot.py at 2018-02-01 06:14:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 126.086 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 61.10 Mbit/s
95th percentile per-packet one-way delay: 125.712 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 127.932 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 127.827 ms
Loss rate: 0.03%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-01 03:54:35

End at: 2018-02-01 03:55:05

Local clock offset: -0.342 ms

Remote clock offset: -5.45 ms

Below is generated by plot.py at 2018-02-01 06:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 122.370 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 64.18 Mbit/s

95th percentile per-packet one-way delay: 122.587 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 16.07 Mbit/s

95th percentile per-packet one-way delay: 122.168 ms

Loss rate: 0.54%

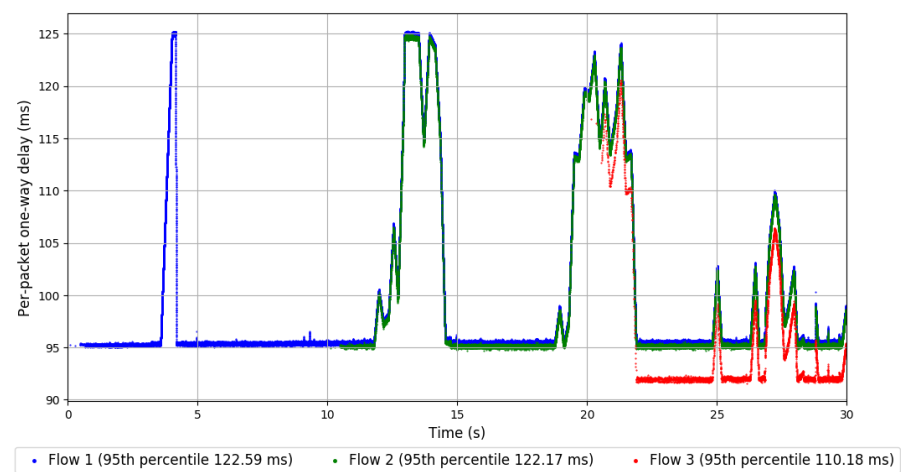
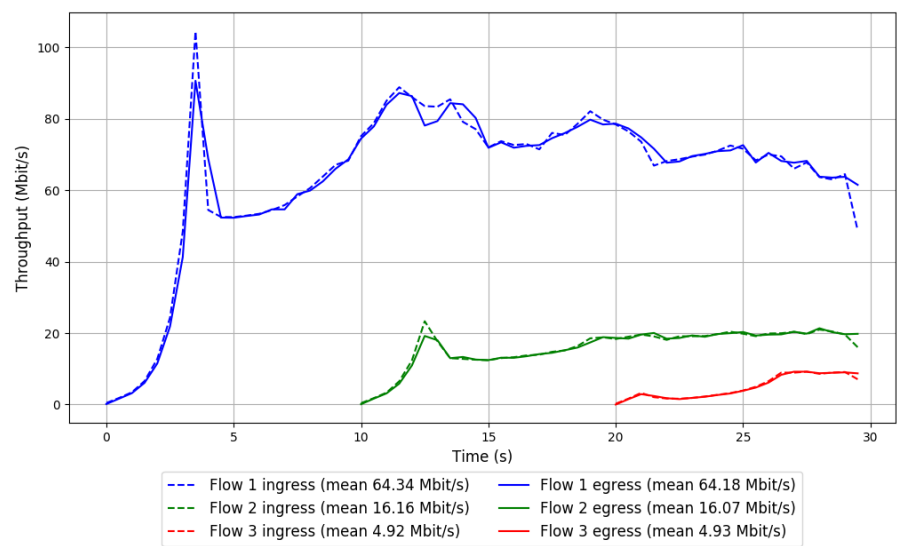
-- Flow 3:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 110.177 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-01 04:18:26

End at: 2018-02-01 04:18:56

Local clock offset: -0.285 ms

Remote clock offset: 1.415 ms

Below is generated by plot.py at 2018-02-01 06:14:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.19 Mbit/s

95th percentile per-packet one-way delay: 133.173 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 66.12 Mbit/s

95th percentile per-packet one-way delay: 134.629 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 132.189 ms

Loss rate: 0.21%

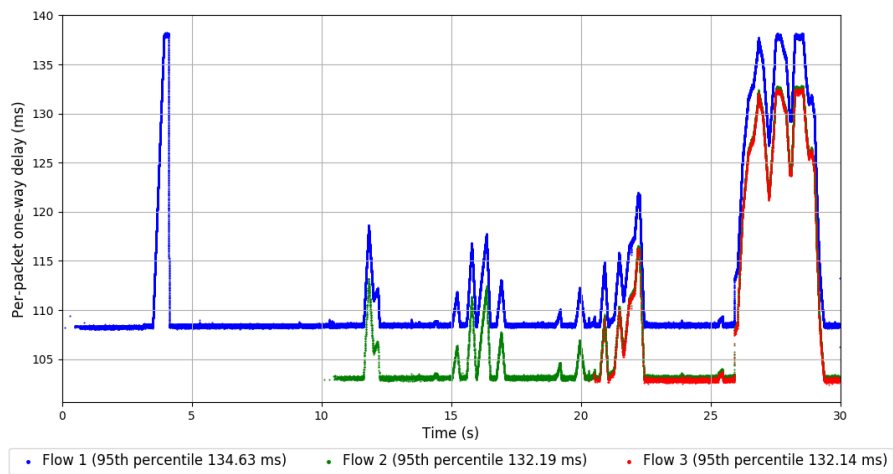
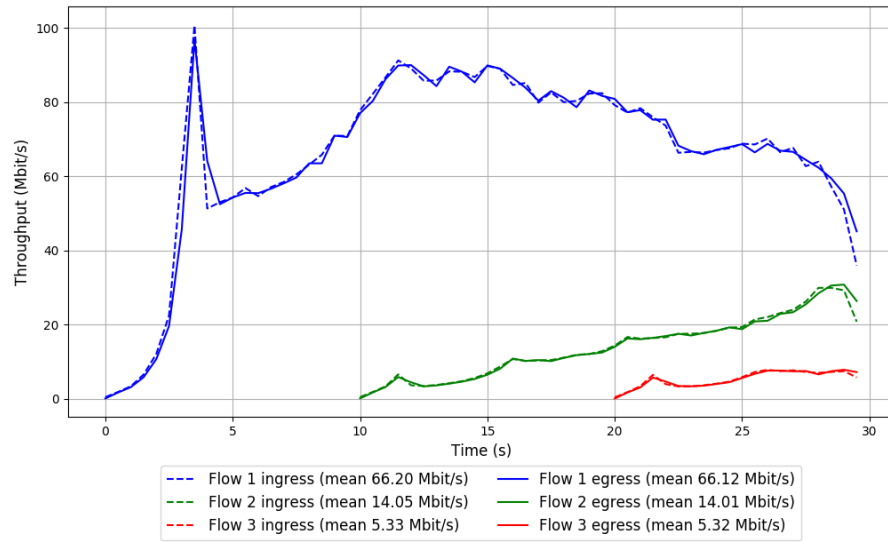
-- Flow 3:

Average throughput: 5.32 Mbit/s

95th percentile per-packet one-way delay: 132.136 ms

Loss rate: 0.23%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-01 04:42:13

End at: 2018-02-01 04:42:43

Local clock offset: -0.283 ms

Remote clock offset: 0.897 ms

Below is generated by plot.py at 2018-02-01 06:15:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 131.847 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 64.93 Mbit/s

95th percentile per-packet one-way delay: 131.863 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 14.36 Mbit/s

95th percentile per-packet one-way delay: 130.152 ms

Loss rate: 1.11%

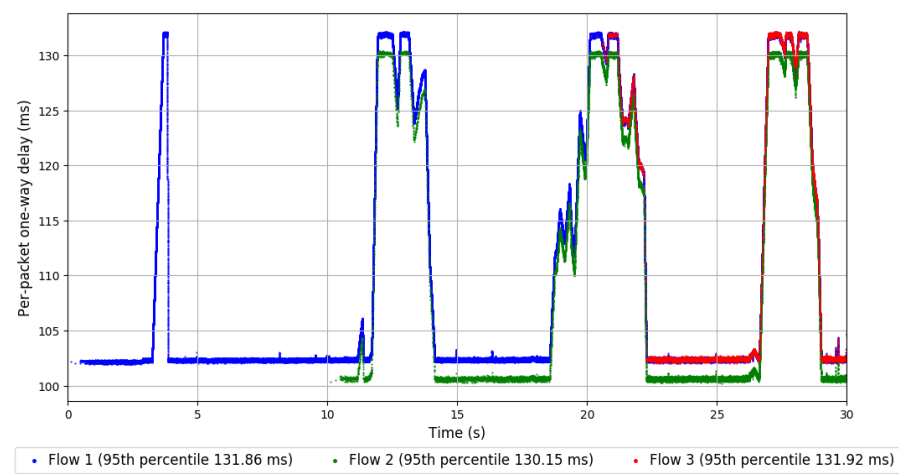
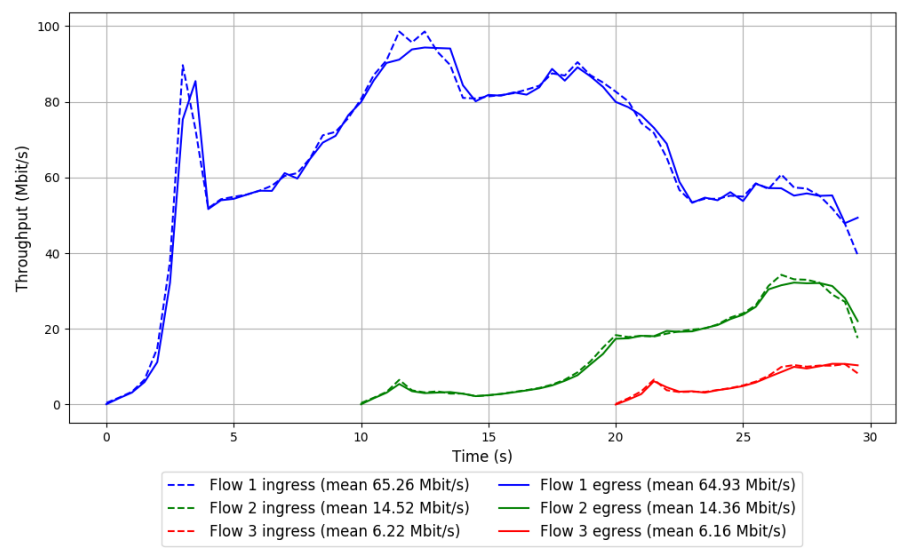
-- Flow 3:

Average throughput: 6.16 Mbit/s

95th percentile per-packet one-way delay: 131.923 ms

Loss rate: 1.26%

Run 9: Report of Vivace-latency — Data Link

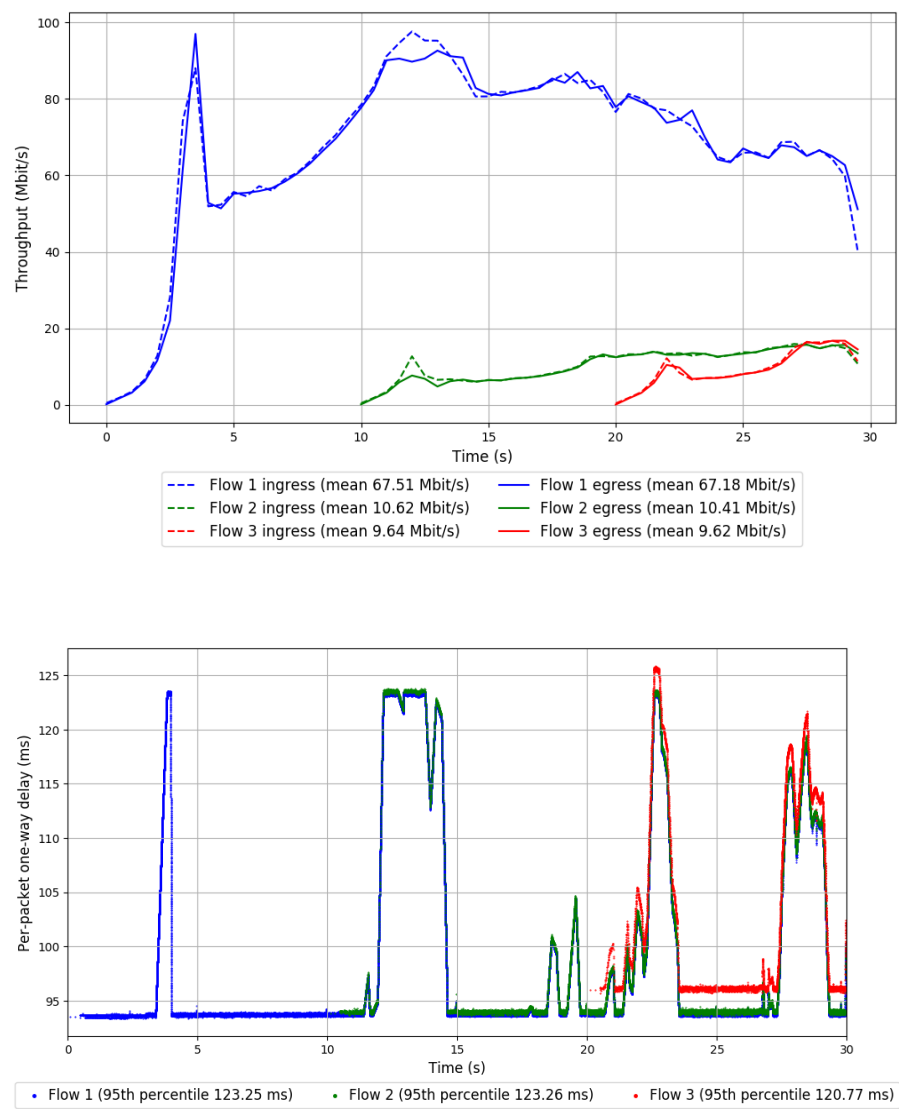


Run 10: Statistics of Vivace-latency

Start at: 2018-02-01 05:06:00
End at: 2018-02-01 05:06:30
Local clock offset: -0.296 ms
Remote clock offset: -3.079 ms

Below is generated by plot.py at 2018-02-01 06:15:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 123.250 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 67.18 Mbit/s
95th percentile per-packet one-way delay: 123.253 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 123.256 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 120.765 ms
Loss rate: 0.17%

Run 10: Report of Vivace-latency — Data Link

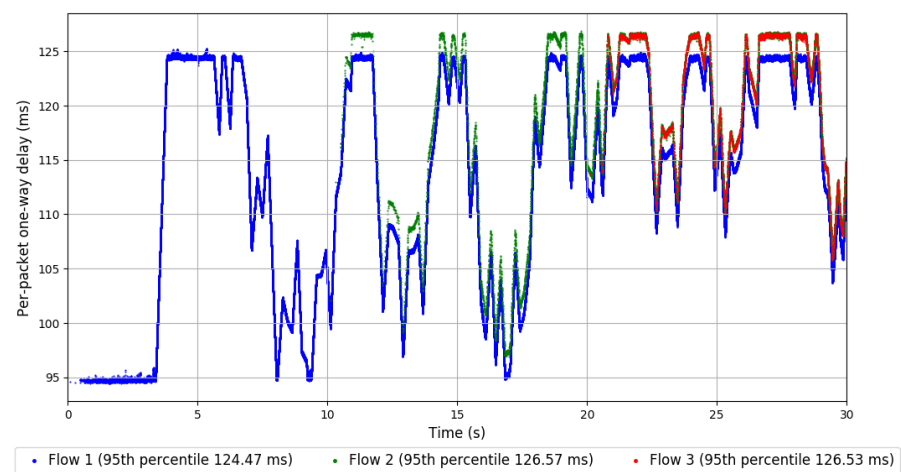
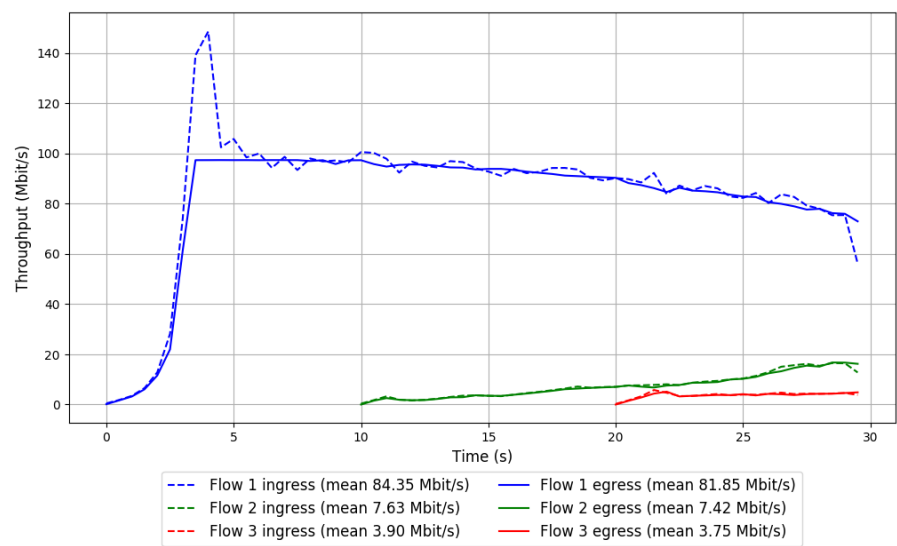


Run 1: Statistics of Vivace-loss

Start at: 2018-02-01 01:47:29
End at: 2018-02-01 01:47:59
Local clock offset: 0.098 ms
Remote clock offset: -4.771 ms

Below is generated by plot.py at 2018-02-01 06:15:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.02 Mbit/s
95th percentile per-packet one-way delay: 124.518 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 124.465 ms
Loss rate: 2.90%
-- Flow 2:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 126.567 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 126.535 ms
Loss rate: 3.73%

Run 1: Report of Vivace-loss — Data Link

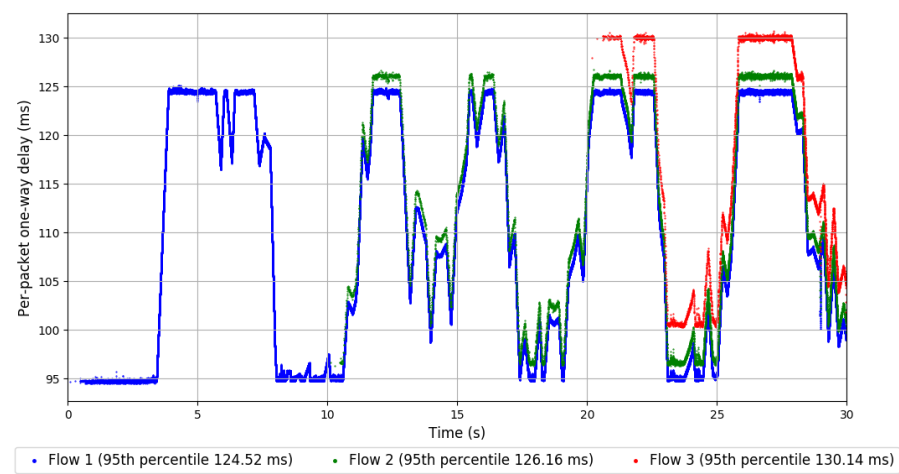
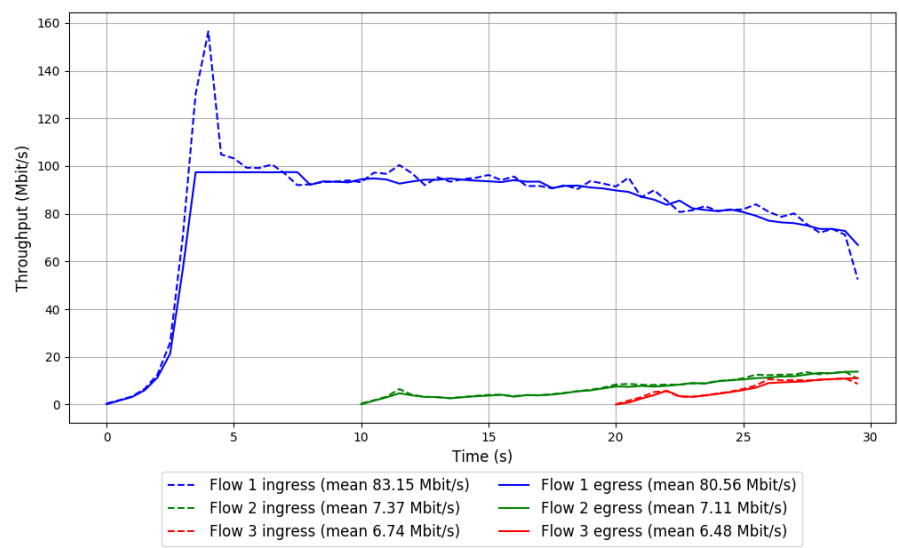


Run 2: Statistics of Vivace-loss

Start at: 2018-02-01 02:11:19
End at: 2018-02-01 02:11:49
Local clock offset: 0.024 ms
Remote clock offset: -6.495 ms

Below is generated by plot.py at 2018-02-01 06:15:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 124.563 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 80.56 Mbit/s
95th percentile per-packet one-way delay: 124.517 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 126.163 ms
Loss rate: 3.53%
-- Flow 3:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 130.140 ms
Loss rate: 4.12%

Run 2: Report of Vivace-loss — Data Link

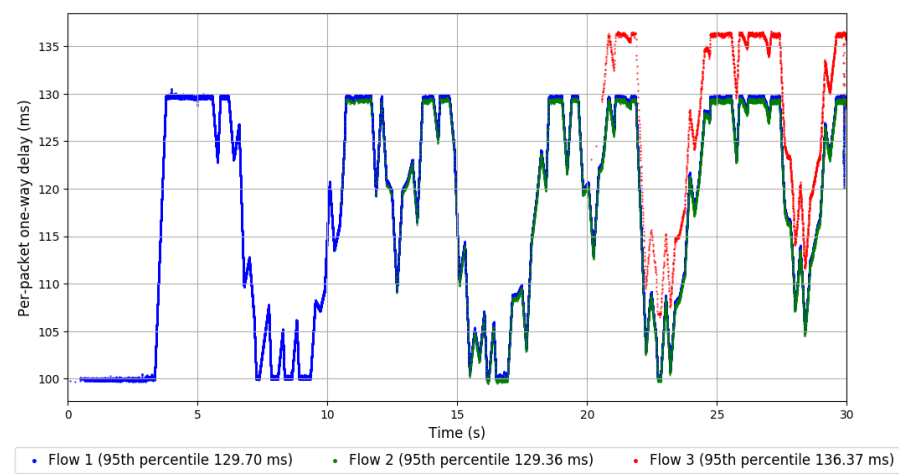
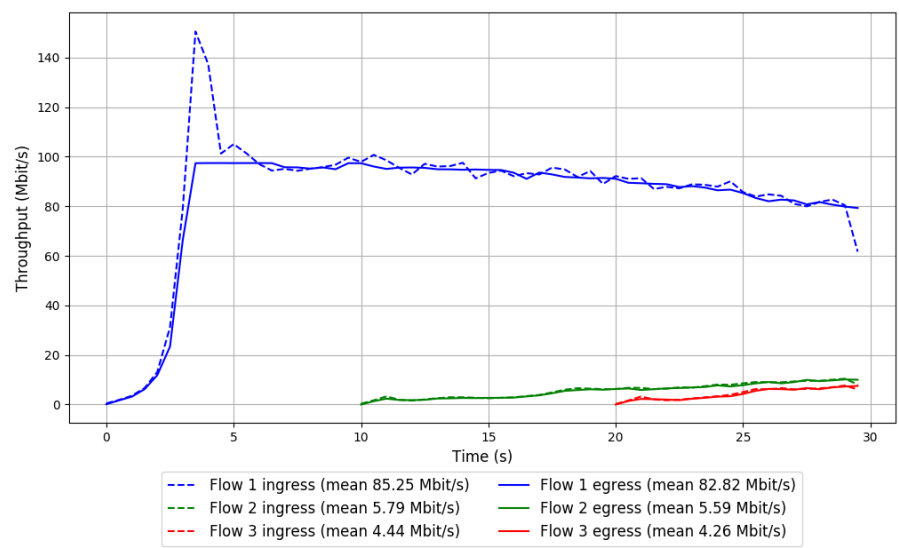


Run 3: Statistics of Vivace-loss

Start at: 2018-02-01 02:35:06
End at: 2018-02-01 02:35:36
Local clock offset: 0.003 ms
Remote clock offset: -0.536 ms

Below is generated by plot.py at 2018-02-01 06:15:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 129.708 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 129.697 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 129.362 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 136.369 ms
Loss rate: 3.85%

Run 3: Report of Vivace-loss — Data Link

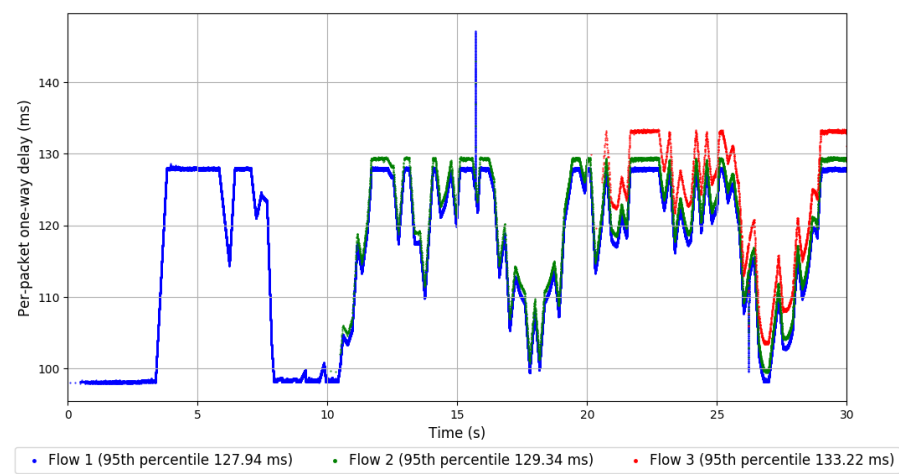
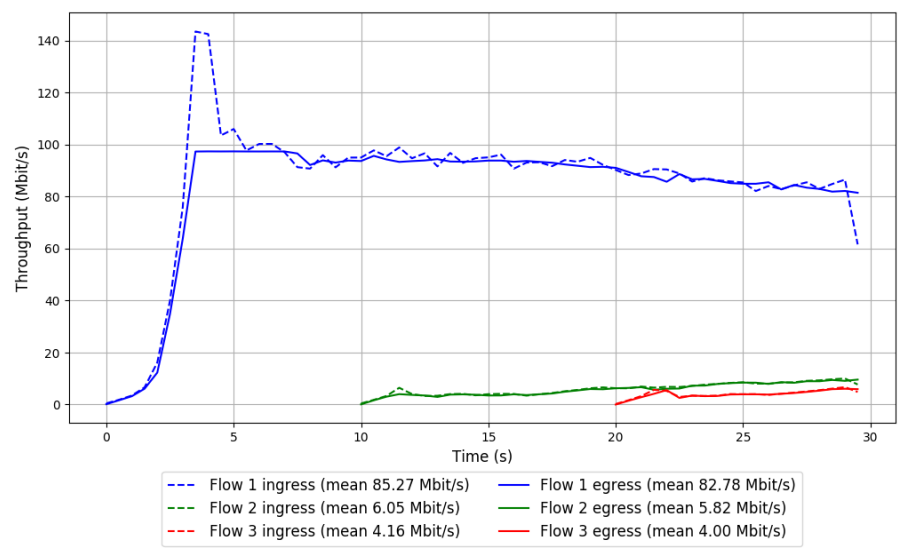


Run 4: Statistics of Vivace-loss

Start at: 2018-02-01 02:58:55
End at: 2018-02-01 02:59:25
Local clock offset: -0.054 ms
Remote clock offset: -2.064 ms

Below is generated by plot.py at 2018-02-01 06:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 127.962 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 82.78 Mbit/s
95th percentile per-packet one-way delay: 127.936 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 129.345 ms
Loss rate: 3.76%
-- Flow 3:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 133.222 ms
Loss rate: 3.66%

Run 4: Report of Vivace-loss — Data Link

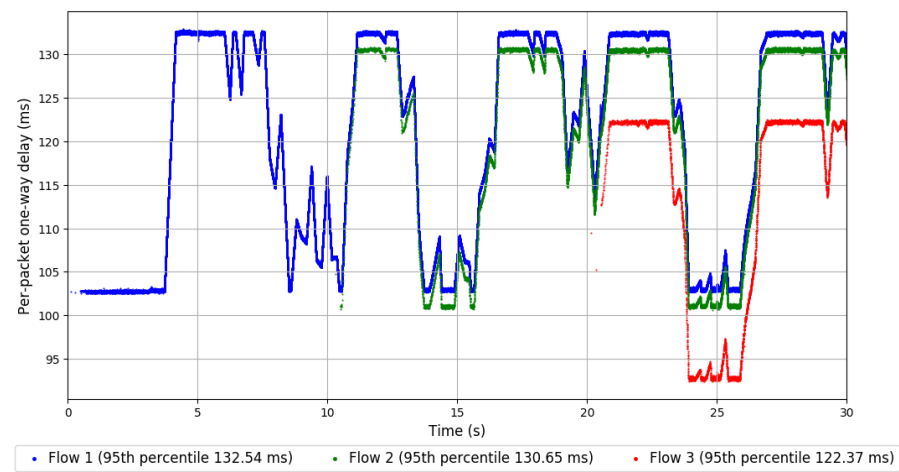
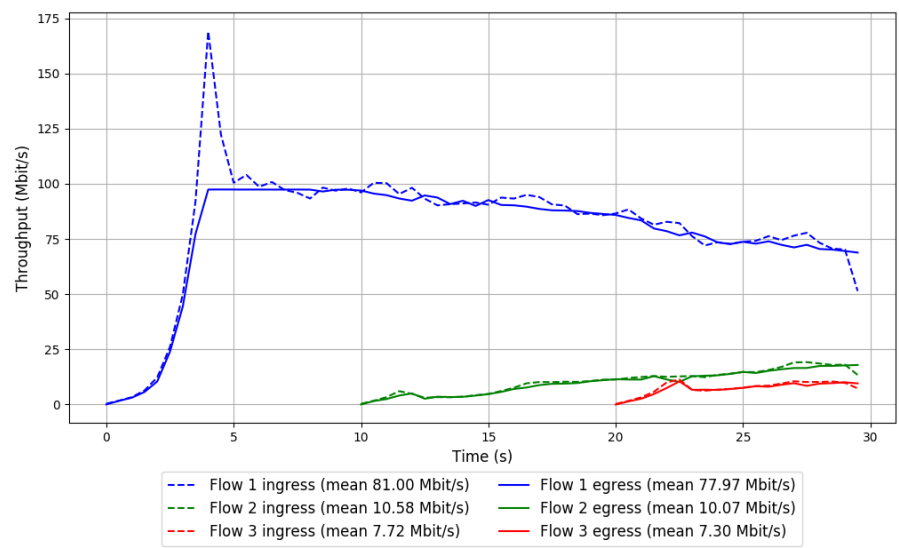


Run 5: Statistics of Vivace-loss

Start at: 2018-02-01 03:22:47
End at: 2018-02-01 03:23:17
Local clock offset: -0.225 ms
Remote clock offset: -5.392 ms

Below is generated by plot.py at 2018-02-01 06:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 132.532 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 77.97 Mbit/s
95th percentile per-packet one-way delay: 132.539 ms
Loss rate: 3.66%
-- Flow 2:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 130.653 ms
Loss rate: 4.74%
-- Flow 3:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 122.373 ms
Loss rate: 5.34%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-01 03:46:37

End at: 2018-02-01 03:47:07

Local clock offset: -0.312 ms

Remote clock offset: -4.69 ms

Below is generated by plot.py at 2018-02-01 06:16:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.86 Mbit/s

95th percentile per-packet one-way delay: 123.736 ms

Loss rate: 3.03%

-- Flow 1:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 123.690 ms

Loss rate: 2.90%

-- Flow 2:

Average throughput: 4.58 Mbit/s

95th percentile per-packet one-way delay: 132.487 ms

Loss rate: 5.64%

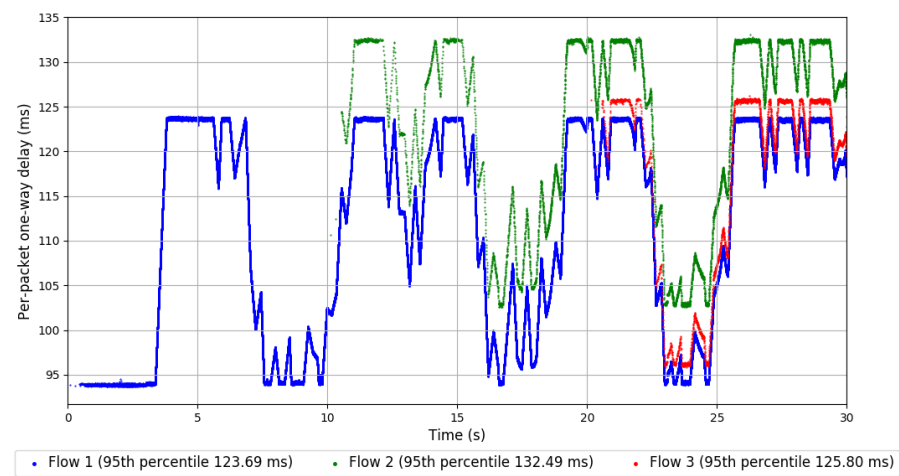
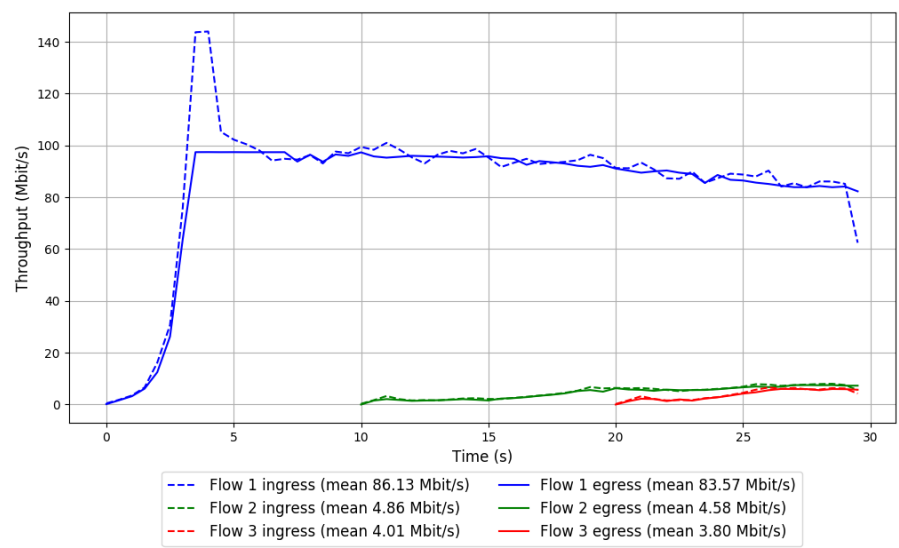
-- Flow 3:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 125.795 ms

Loss rate: 5.47%

Run 6: Report of Vivace-loss — Data Link

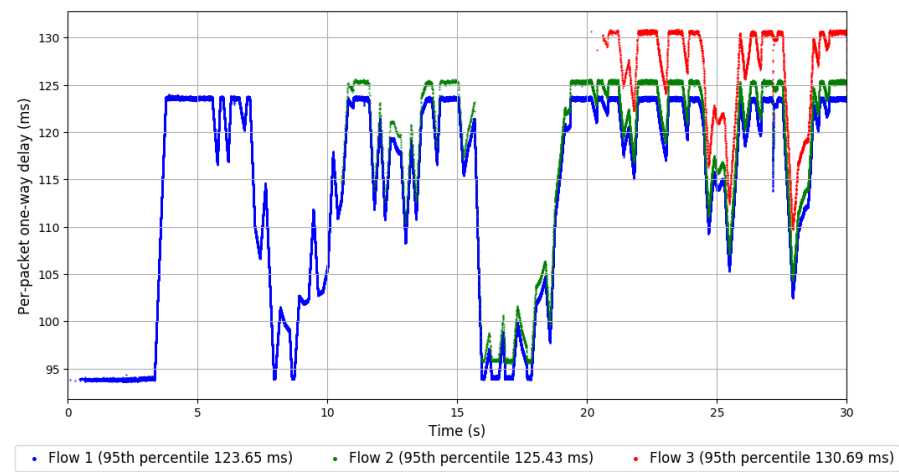
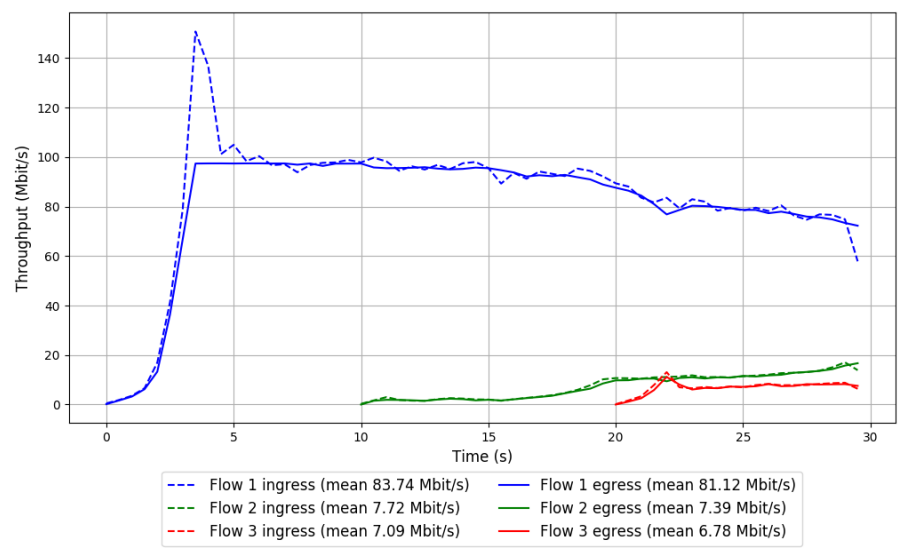


Run 7: Statistics of Vivace-loss

Start at: 2018-02-01 04:10:29
End at: 2018-02-01 04:10:59
Local clock offset: -0.29 ms
Remote clock offset: -4.199 ms

Below is generated by plot.py at 2018-02-01 06:16:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 123.762 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 123.652 ms
Loss rate: 3.03%
-- Flow 2:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 125.427 ms
Loss rate: 4.19%
-- Flow 3:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 130.693 ms
Loss rate: 4.45%

Run 7: Report of Vivace-loss — Data Link

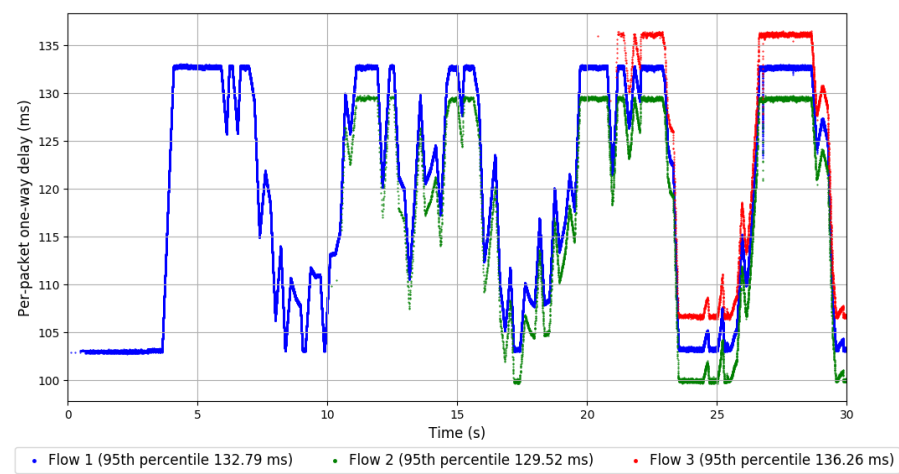
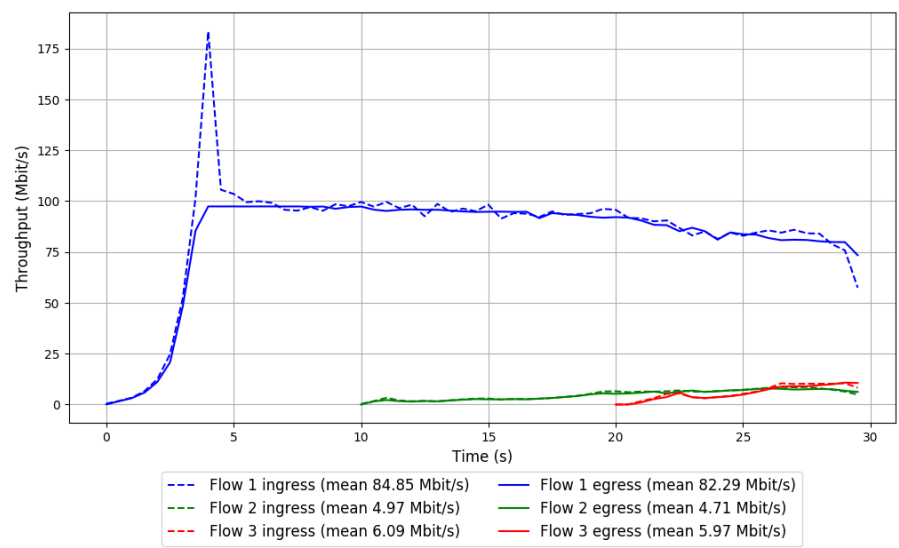


Run 8: Statistics of Vivace-loss

Start at: 2018-02-01 04:34:18
End at: 2018-02-01 04:34:48
Local clock offset: -0.305 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-02-01 06:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 132.797 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 132.789 ms
Loss rate: 3.02%
-- Flow 2:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 129.522 ms
Loss rate: 5.27%
-- Flow 3:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 136.257 ms
Loss rate: 4.97%

Run 8: Report of Vivace-loss — Data Link

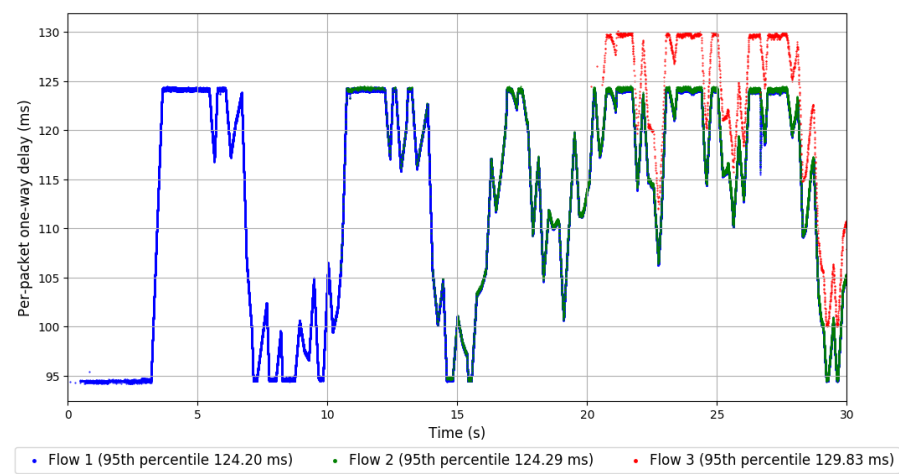
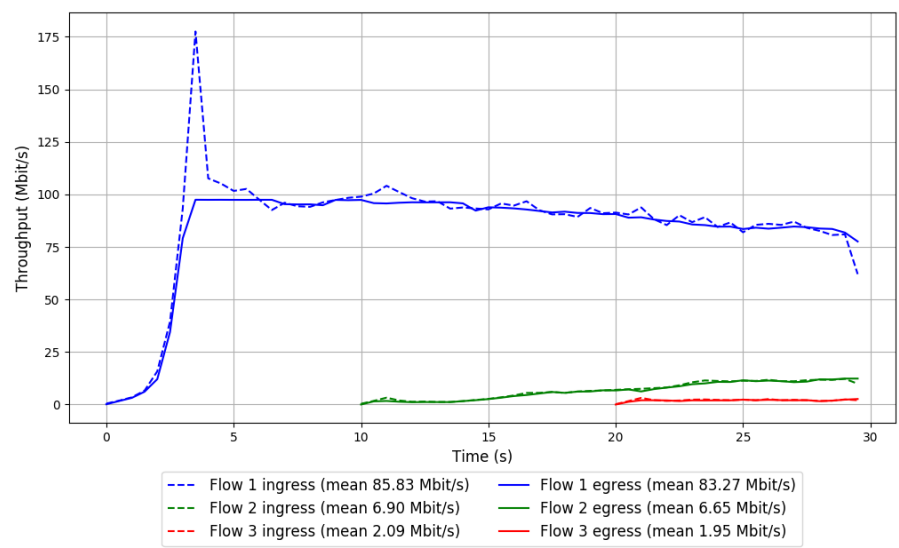


Run 9: Statistics of Vivace-loss

Start at: 2018-02-01 04:58:02
End at: 2018-02-01 04:58:32
Local clock offset: -0.28 ms
Remote clock offset: -4.262 ms

Below is generated by plot.py at 2018-02-01 06:17:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 124.214 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 124.203 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 124.292 ms
Loss rate: 3.56%
-- Flow 3:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 129.831 ms
Loss rate: 6.91%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-01 05:21:52

End at: 2018-02-01 05:22:22

Local clock offset: -0.259 ms

Remote clock offset: 1.943 ms

Below is generated by plot.py at 2018-02-01 06:17:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 131.839 ms

Loss rate: 2.74%

-- Flow 1:

Average throughput: 82.52 Mbit/s

95th percentile per-packet one-way delay: 131.839 ms

Loss rate: 2.72%

-- Flow 2:

Average throughput: 6.78 Mbit/s

95th percentile per-packet one-way delay: 128.335 ms

Loss rate: 2.94%

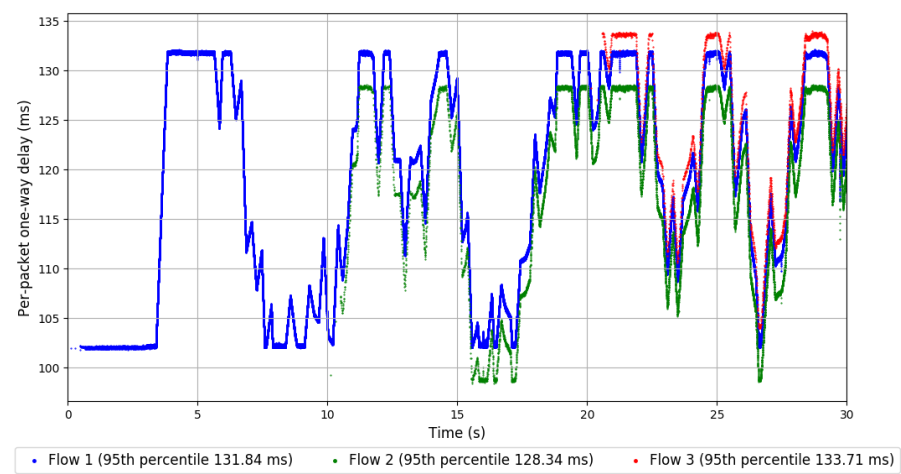
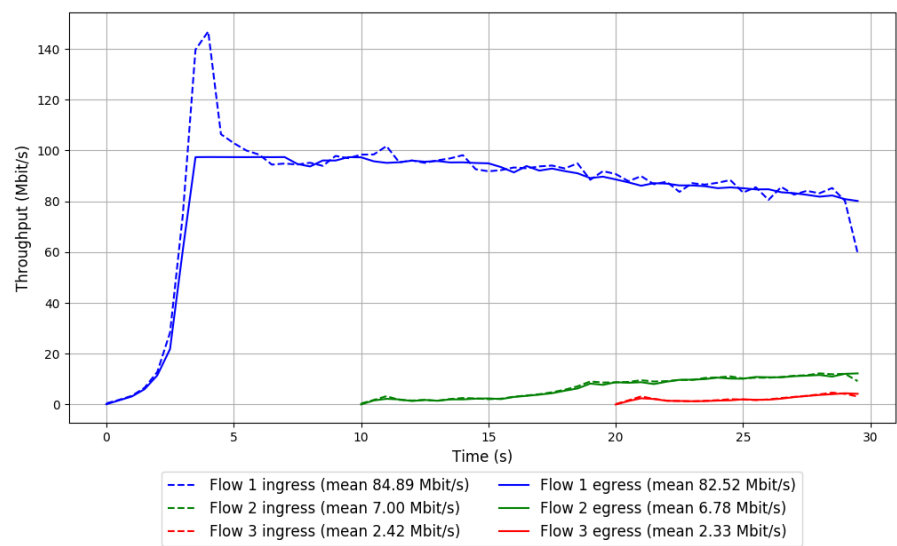
-- Flow 3:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 133.711 ms

Loss rate: 3.90%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-01 01:32:54

End at: 2018-02-01 01:33:24

Local clock offset: 0.193 ms

Remote clock offset: 2.098 ms

Below is generated by plot.py at 2018-02-01 06:17:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.27 Mbit/s

95th percentile per-packet one-way delay: 128.951 ms

Loss rate: 2.99%

-- Flow 1:

Average throughput: 73.58 Mbit/s

95th percentile per-packet one-way delay: 128.940 ms

Loss rate: 3.15%

-- Flow 2:

Average throughput: 16.48 Mbit/s

95th percentile per-packet one-way delay: 127.152 ms

Loss rate: 2.13%

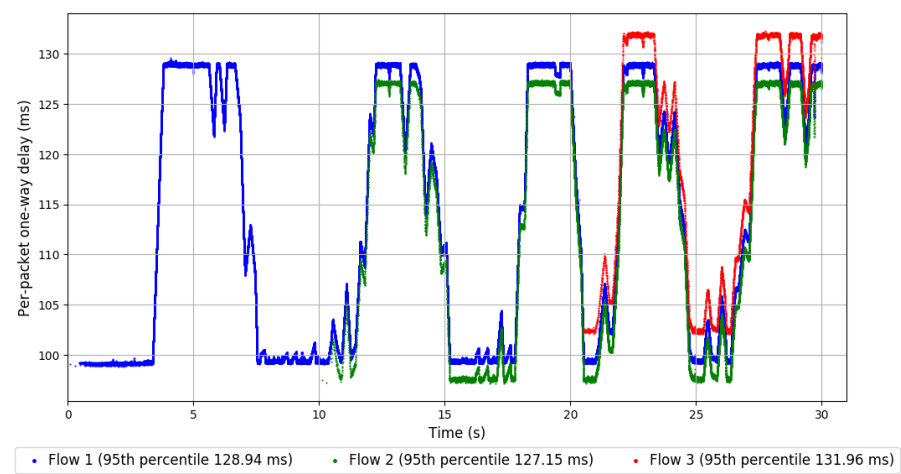
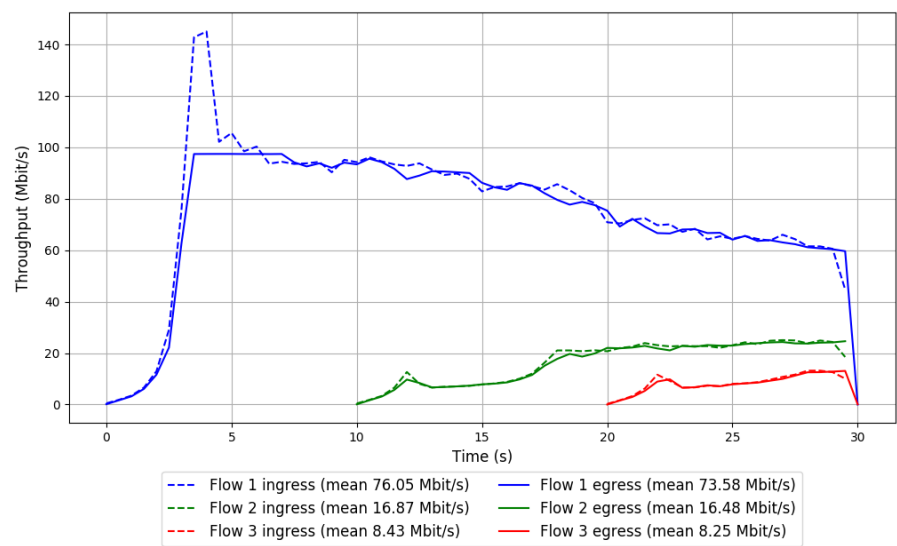
-- Flow 3:

Average throughput: 8.25 Mbit/s

95th percentile per-packet one-way delay: 131.956 ms

Loss rate: 2.09%

Run 1: Report of Vivace-LTE — Data Link

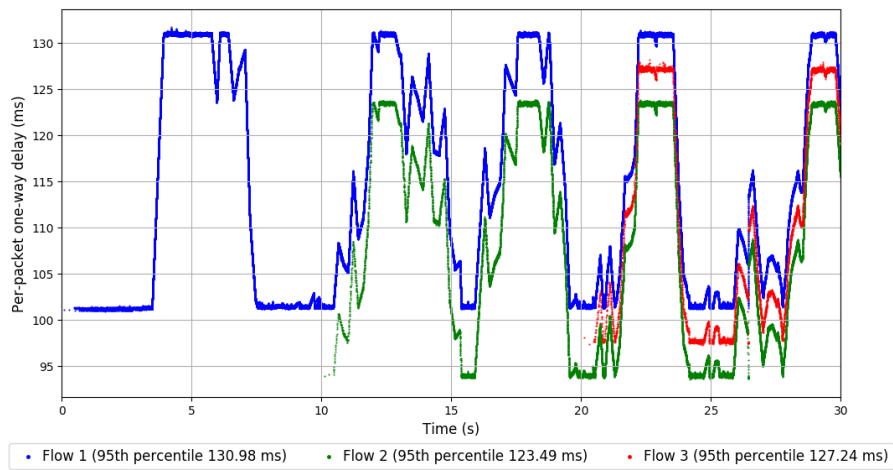
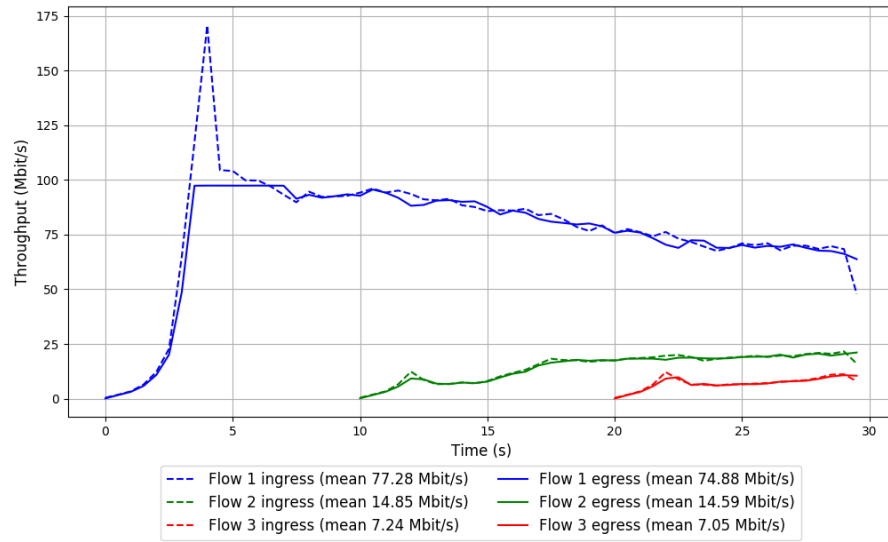


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-01 01:56:46
End at: 2018-02-01 01:57:16
Local clock offset: 0.065 ms
Remote clock offset: -4.919 ms

Below is generated by plot.py at 2018-02-01 06:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.91 Mbit/s
95th percentile per-packet one-way delay: 130.966 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 130.979 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 123.487 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 127.238 ms
Loss rate: 2.32%

Run 2: Report of Vivace-LTE — Data Link

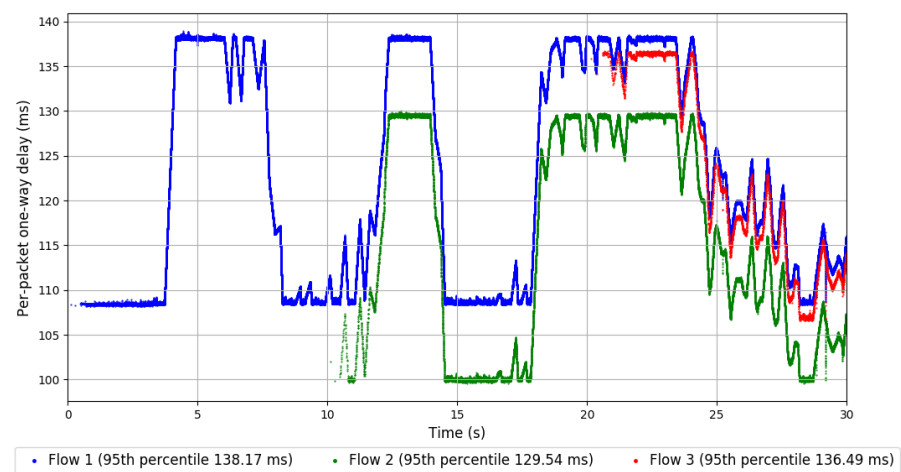
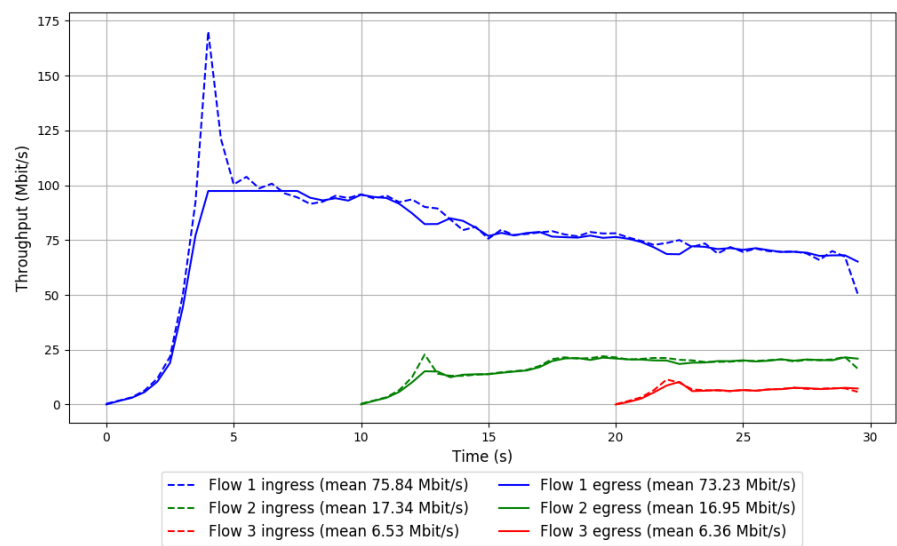


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-01 02:20:37
End at: 2018-02-01 02:21:07
Local clock offset: -0.014 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-02-01 06:17:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 138.162 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 73.23 Mbit/s
95th percentile per-packet one-way delay: 138.174 ms
Loss rate: 3.44%
-- Flow 2:
Average throughput: 16.95 Mbit/s
95th percentile per-packet one-way delay: 129.537 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 136.492 ms
Loss rate: 2.95%

Run 3: Report of Vivace-LTE — Data Link

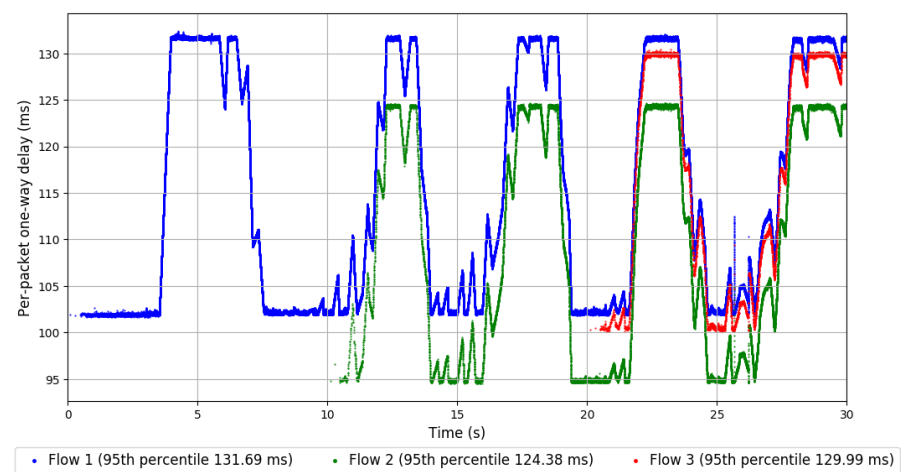
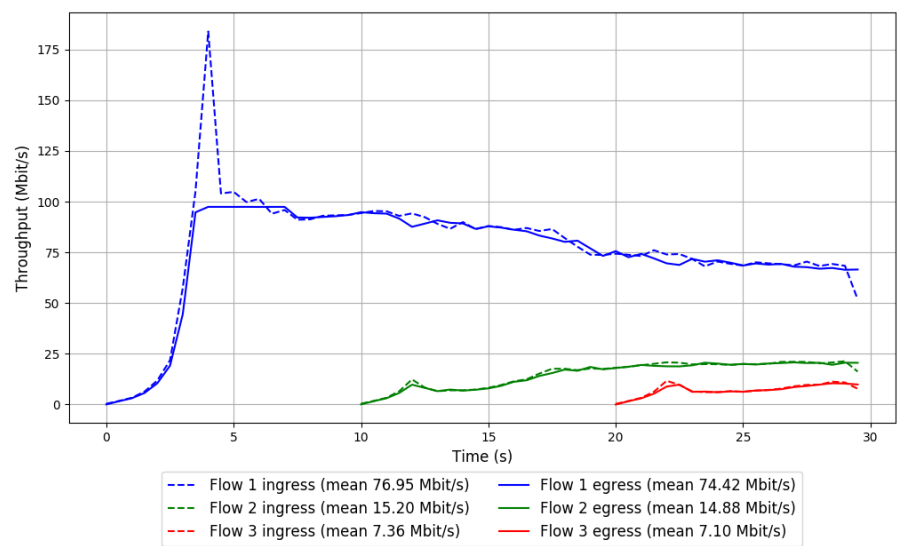


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-01 02:44:23
End at: 2018-02-01 02:44:53
Local clock offset: 0.008 ms
Remote clock offset: -7.186 ms

Below is generated by plot.py at 2018-02-01 06:17:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 131.675 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 74.42 Mbit/s
95th percentile per-packet one-way delay: 131.686 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 124.384 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 129.991 ms
Loss rate: 3.38%

Run 4: Report of Vivace-LTE — Data Link

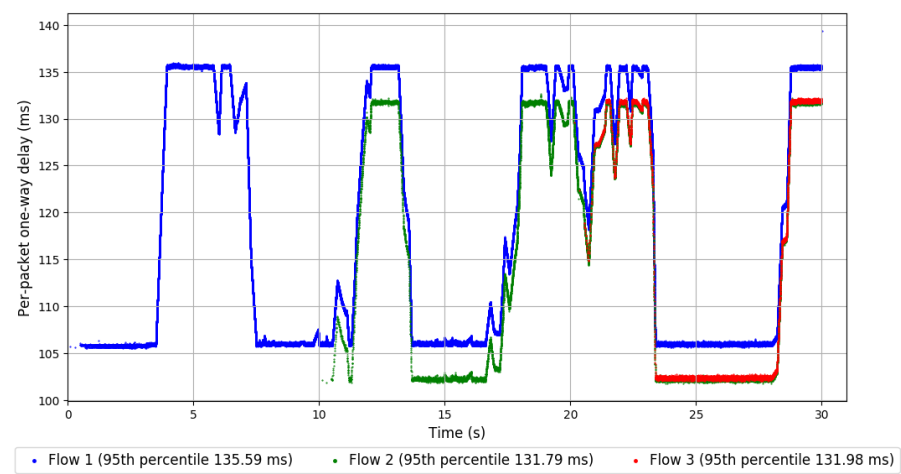
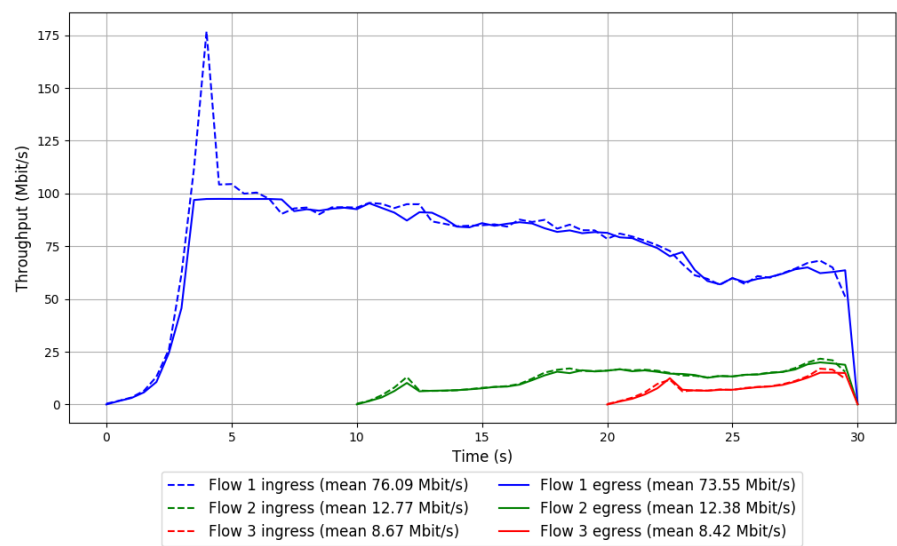


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-01 03:08:14
End at: 2018-02-01 03:08:44
Local clock offset: -0.149 ms
Remote clock offset: -0.929 ms

Below is generated by plot.py at 2018-02-01 06:17:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 135.577 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 73.55 Mbit/s
95th percentile per-packet one-way delay: 135.588 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 131.794 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 131.977 ms
Loss rate: 2.91%

Run 5: Report of Vivace-LTE — Data Link

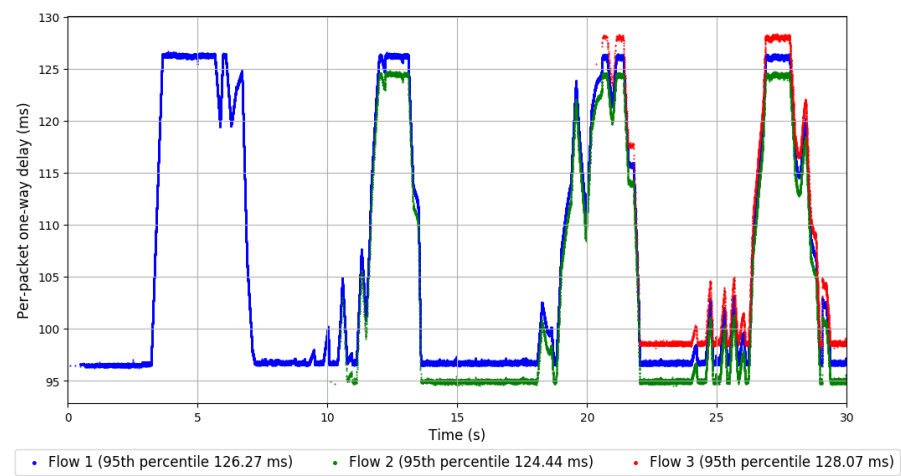
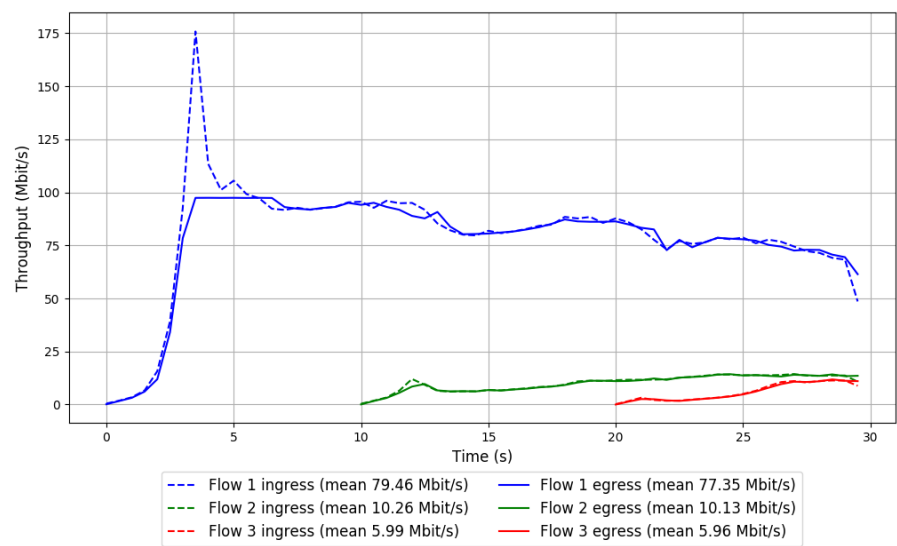


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-01 03:32:08
End at: 2018-02-01 03:32:38
Local clock offset: -0.213 ms
Remote clock offset: -5.665 ms

Below is generated by plot.py at 2018-02-01 06:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 126.269 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 77.35 Mbit/s
95th percentile per-packet one-way delay: 126.271 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 124.438 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 128.072 ms
Loss rate: 0.87%

Run 6: Report of Vivace-LTE — Data Link

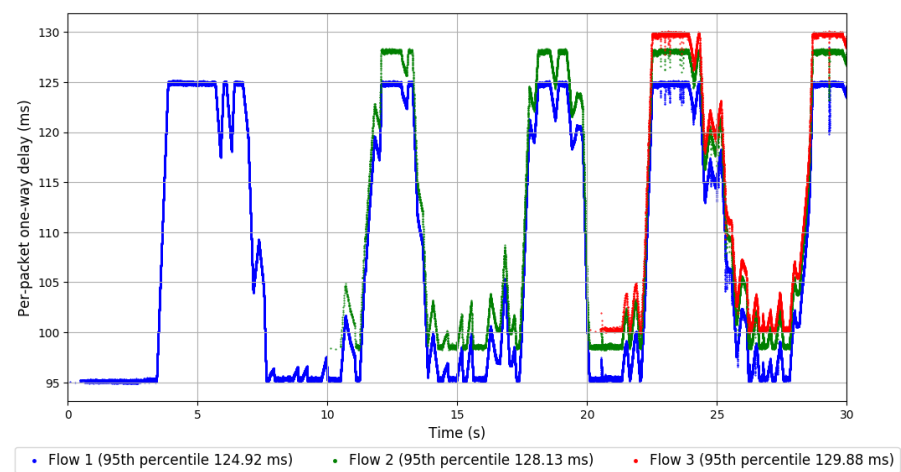
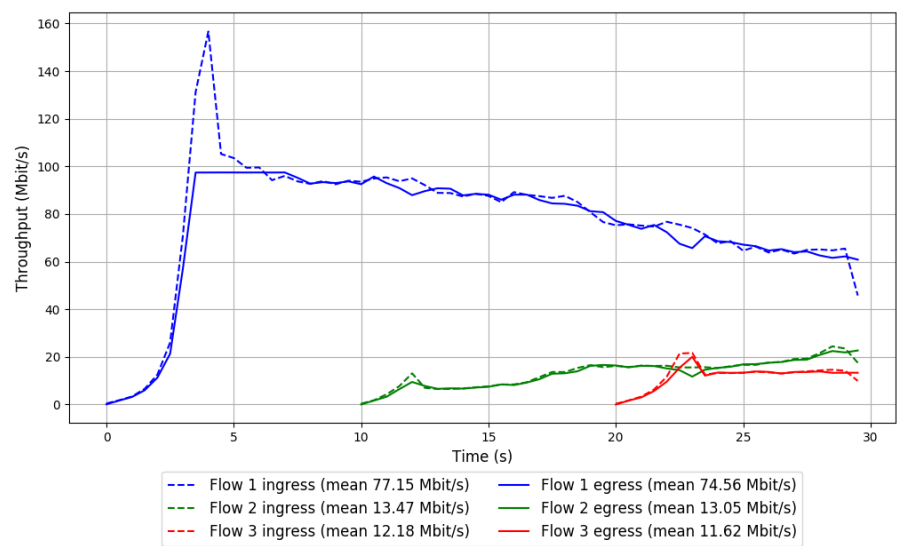


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-01 03:55:56
End at: 2018-02-01 03:56:26
Local clock offset: -0.23 ms
Remote clock offset: -5.443 ms

Below is generated by plot.py at 2018-02-01 06:18:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 125.415 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 74.56 Mbit/s
95th percentile per-packet one-way delay: 124.924 ms
Loss rate: 3.27%
-- Flow 2:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 128.135 ms
Loss rate: 2.96%
-- Flow 3:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 129.878 ms
Loss rate: 4.33%

Run 7: Report of Vivace-LTE — Data Link

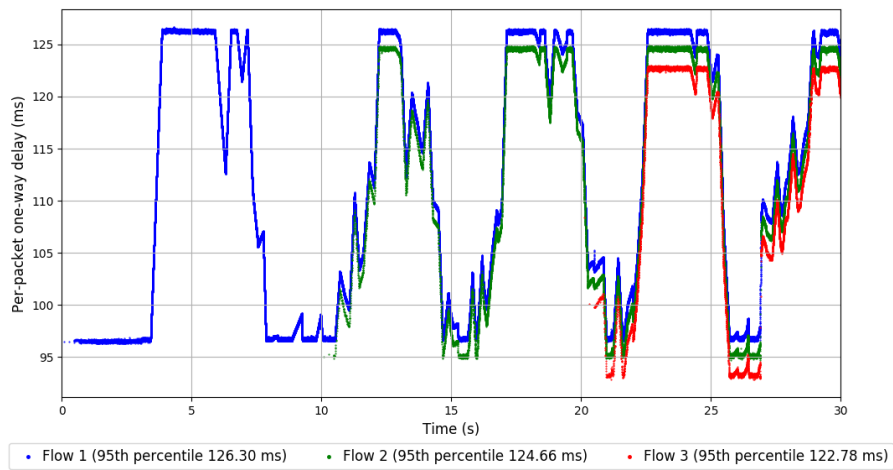
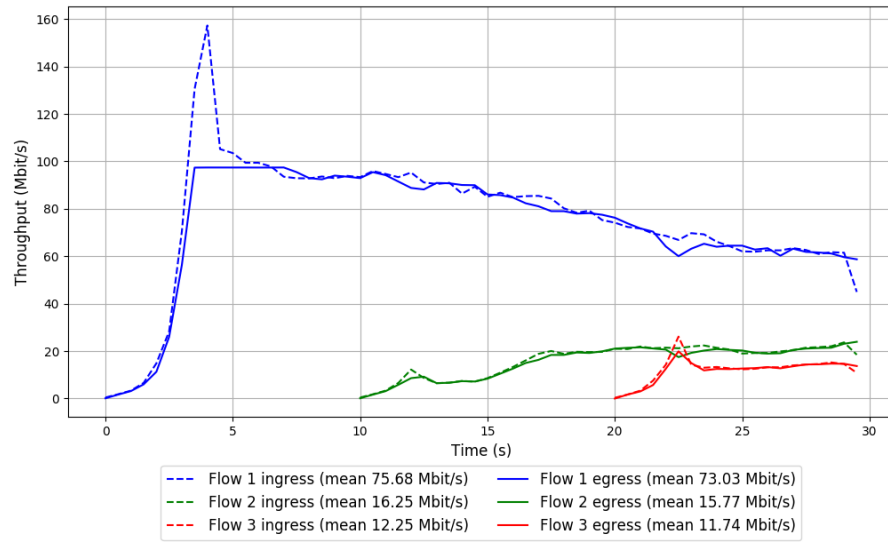


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-01 04:19:47
End at: 2018-02-01 04:20:17
Local clock offset: -0.279 ms
Remote clock offset: -5.047 ms

Below is generated by plot.py at 2018-02-01 06:18:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 126.289 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 73.03 Mbit/s
95th percentile per-packet one-way delay: 126.302 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 124.658 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 122.785 ms
Loss rate: 4.02%

Run 8: Report of Vivace-LTE — Data Link

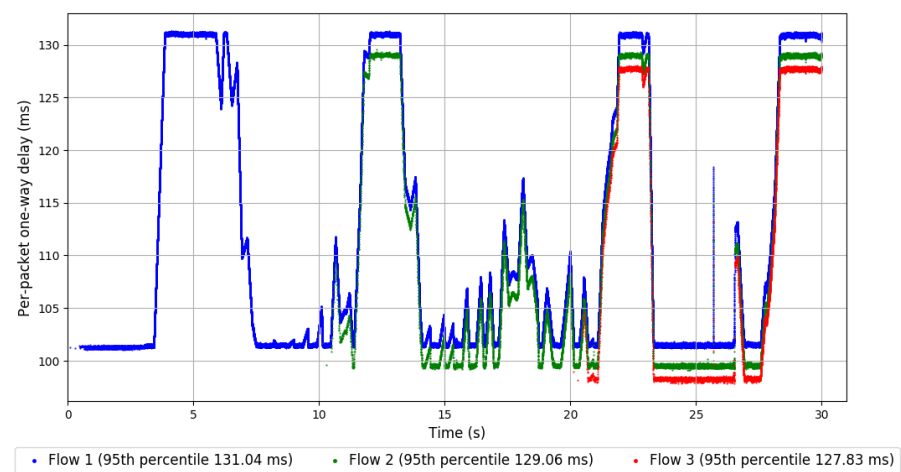
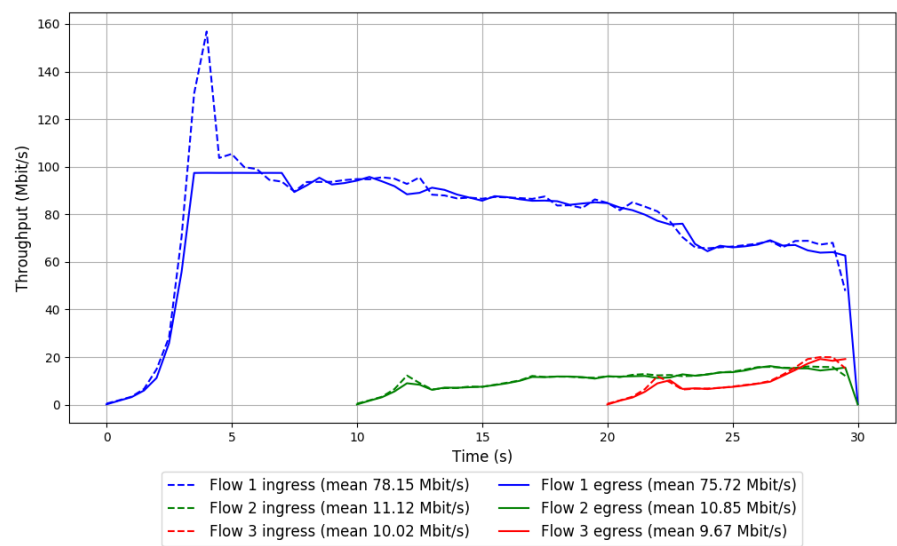


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-01 04:43:34
End at: 2018-02-01 04:44:04
Local clock offset: -0.295 ms
Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-02-01 06:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 131.035 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 131.045 ms
Loss rate: 3.01%
-- Flow 2:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 129.064 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 127.826 ms
Loss rate: 3.25%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-01 05:07:21
End at: 2018-02-01 05:07:51
Local clock offset: -0.288 ms
Remote clock offset: -3.046 ms

Below is generated by plot.py at 2018-02-01 06:18:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 124.328 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 124.269 ms
Loss rate: 3.11%
-- Flow 2:
Average throughput: 12.96 Mbit/s
95th percentile per-packet one-way delay: 125.332 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 125.070 ms
Loss rate: 2.71%

Run 10: Report of Vivace-LTE — Data Link

