

Pantheon Report

Generated at 2018-02-04 03:06:51 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

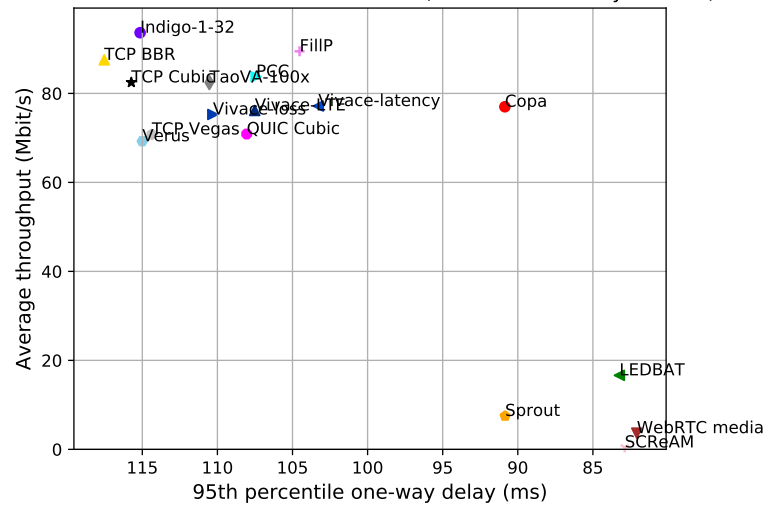
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

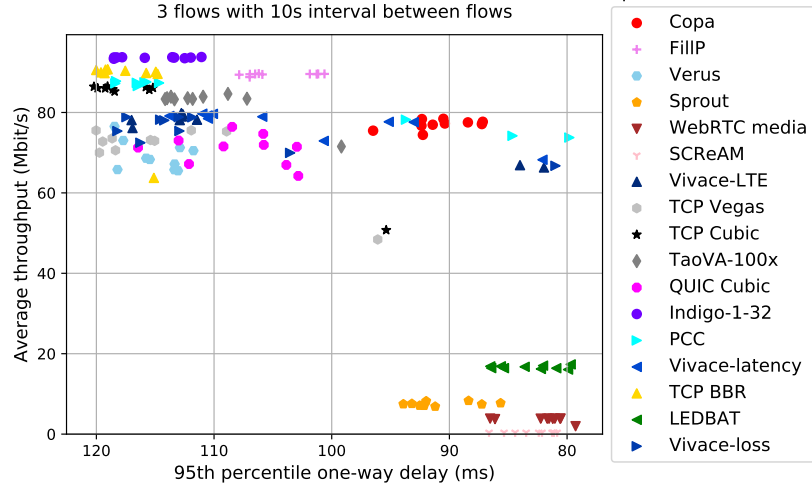
Git summary:

```
branch: master @ 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 Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



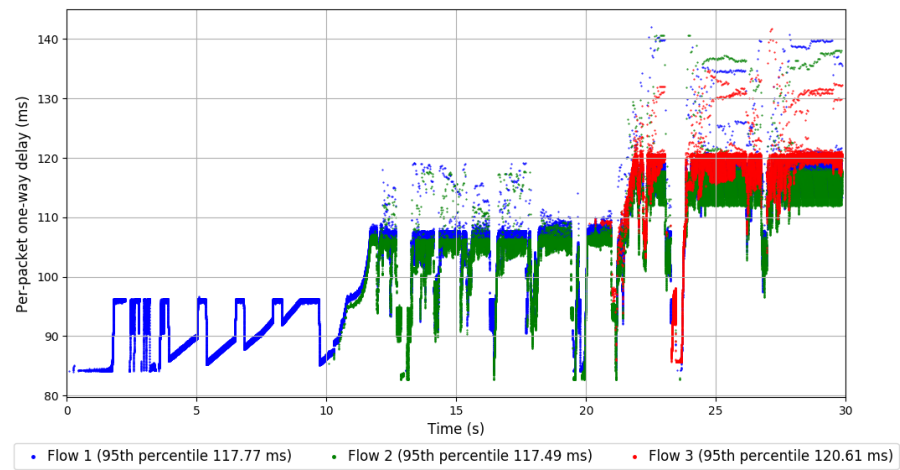
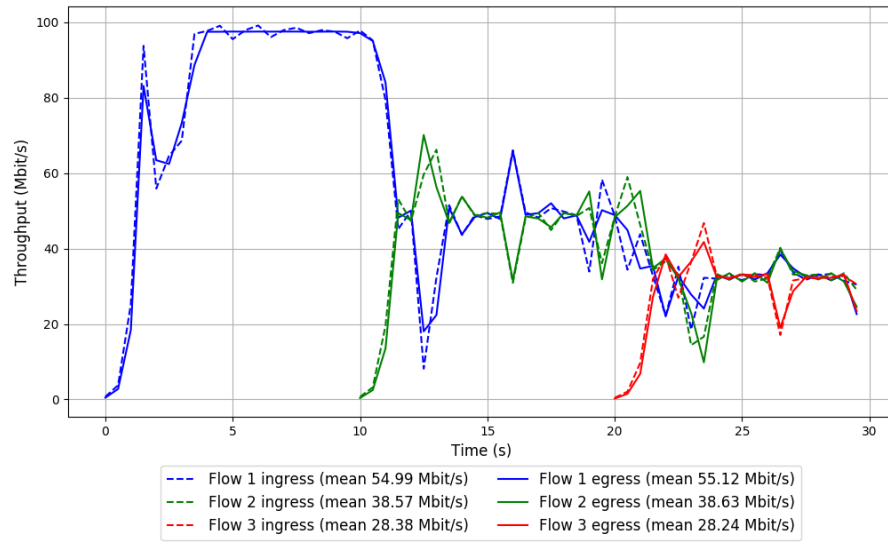
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	53.43	37.67	27.94	116.89	117.06	118.23	1.54	2.43	3.99
TCP Cubic	10	48.49	36.59	29.73	114.77	116.09	116.36	0.54	1.36	3.56
LEDBAT	10	10.84	7.08	3.40	82.94	82.80	83.37	1.22	1.84	3.73
PCC	10	61.06	23.42	22.10	106.49	107.67	108.81	2.69	3.08	6.10
QUIC Cubic	10	39.29	41.47	12.61	106.75	108.24	108.65	0.75	1.10	2.42
SCReAM	10	0.22	0.22	0.22	82.13	81.97	82.09	0.64	0.84	1.83
WebRTC media	10	1.90	1.31	0.46	81.74	81.66	81.41	0.66	0.80	3.29
Sprout	10	3.97	3.68	3.40	90.74	91.02	90.74	0.70	1.09	2.77
TaoVA-100x	10	49.71	37.67	24.46	109.29	110.67	111.98	1.57	2.25	4.09
TCP Vegas	10	36.29	38.08	28.14	113.62	114.16	113.82	0.67	1.01	2.38
Verus	10	36.74	37.23	23.97	113.42	114.97	116.60	1.01	0.95	2.30
Copa	10	50.34	33.53	13.39	89.27	92.41	94.08	0.48	0.98	2.60
FillP	10	55.08	38.00	28.10	103.01	104.65	106.30	0.45	2.90	7.19
Indigo-1-32	10	61.24	35.51	27.64	114.16	115.55	116.02	0.41	0.89	2.38
Vivace-latency	10	59.05	20.93	13.04	101.50	104.05	103.97	1.42	1.82	5.41
Vivace-loss	10	51.15	26.17	20.85	109.54	110.45	108.27	1.34	5.64	9.88
Vivace-LTE	10	52.25	26.79	18.93	106.66	107.78	107.61	0.91	2.36	5.37

Run 1: Statistics of TCP BBR

Start at: 2018-02-03 19:14:33
End at: 2018-02-03 19:15:03
Local clock offset: -0.319 ms
Remote clock offset: -1.486 ms

Below is generated by plot.py at 2018-02-04 02:43:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.98 Mbit/s
95th percentile per-packet one-way delay: 119.609 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 117.773 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 117.493 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 120.606 ms
Loss rate: 2.60%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-03 19:37:07

End at: 2018-02-03 19:37:37

Local clock offset: -0.202 ms

Remote clock offset: 1.963 ms

Below is generated by plot.py at 2018-02-04 02:43:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.12 Mbit/s

95th percentile per-packet one-way delay: 114.953 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 55.35 Mbit/s

95th percentile per-packet one-way delay: 115.824 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 37.89 Mbit/s

95th percentile per-packet one-way delay: 114.865 ms

Loss rate: 0.91%

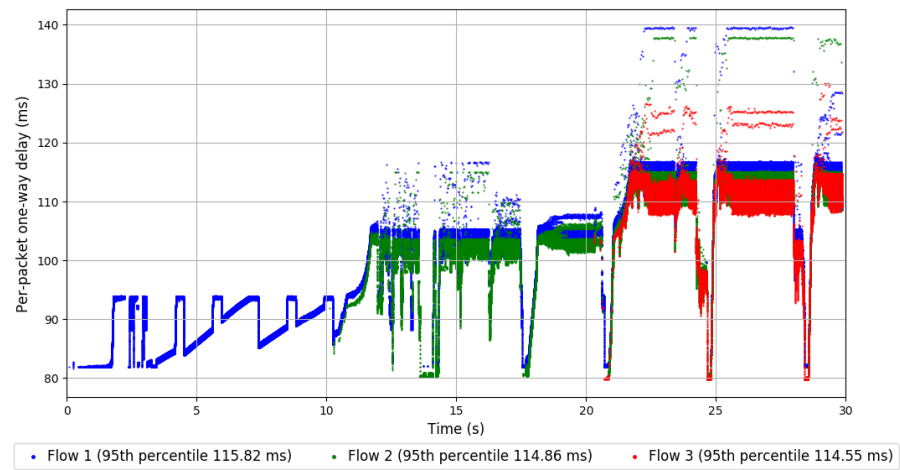
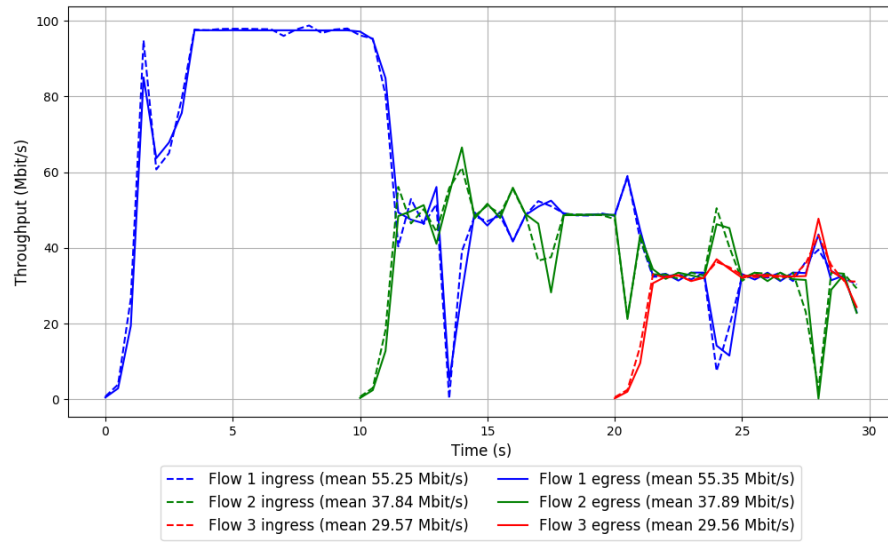
-- Flow 3:

Average throughput: 29.56 Mbit/s

95th percentile per-packet one-way delay: 114.554 ms

Loss rate: 2.28%

Run 2: Report of TCP BBR — Data Link

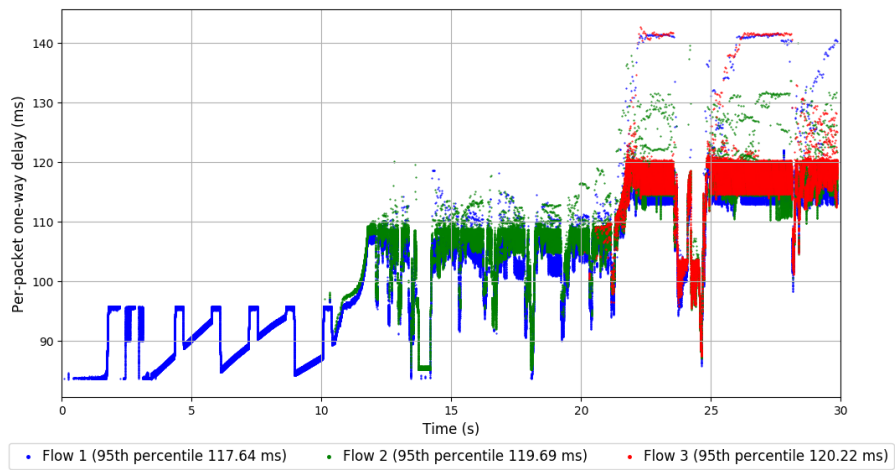
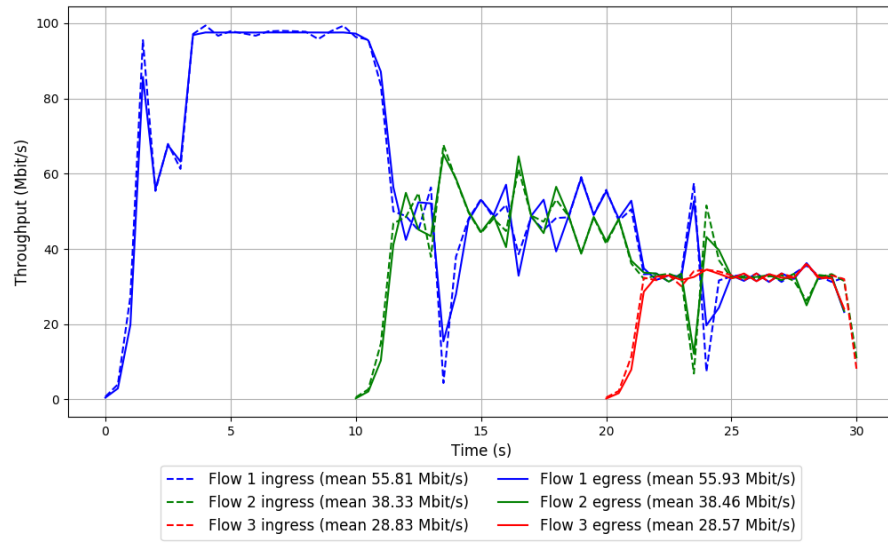


Run 3: Statistics of TCP BBR

Start at: 2018-02-03 19:59:41
End at: 2018-02-03 20:00:11
Local clock offset: -0.2 ms
Remote clock offset: -1.493 ms

Below is generated by plot.py at 2018-02-04 02:43:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 119.039 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 117.636 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 119.686 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 120.224 ms
Loss rate: 4.17%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-03 20:22:31

End at: 2018-02-03 20:23:01

Local clock offset: -0.214 ms

Remote clock offset: -0.61 ms

Below is generated by plot.py at 2018-02-04 02:43:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.73 Mbit/s

95th percentile per-packet one-way delay: 115.114 ms

Loss rate: 13.06%

-- Flow 1:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 112.468 ms

Loss rate: 11.45%

-- Flow 2:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 114.940 ms

Loss rate: 15.29%

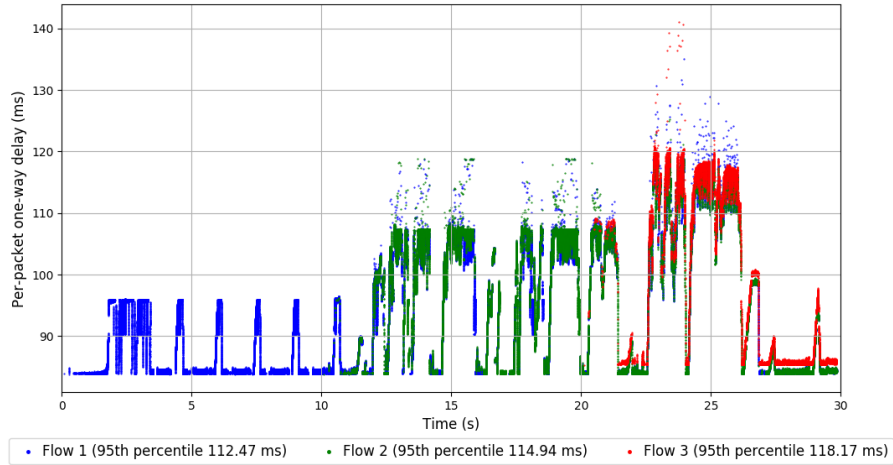
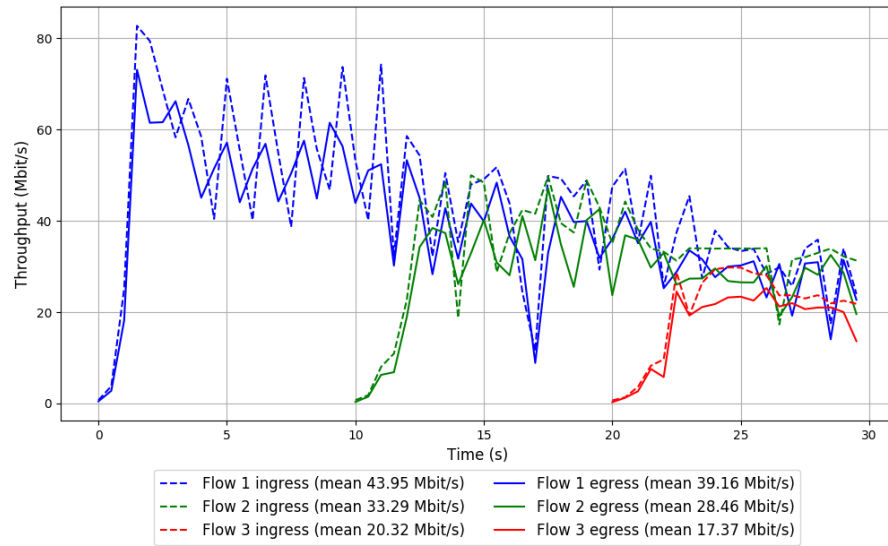
-- Flow 3:

Average throughput: 17.37 Mbit/s

95th percentile per-packet one-way delay: 118.171 ms

Loss rate: 16.27%

Run 4: Report of TCP BBR — Data Link

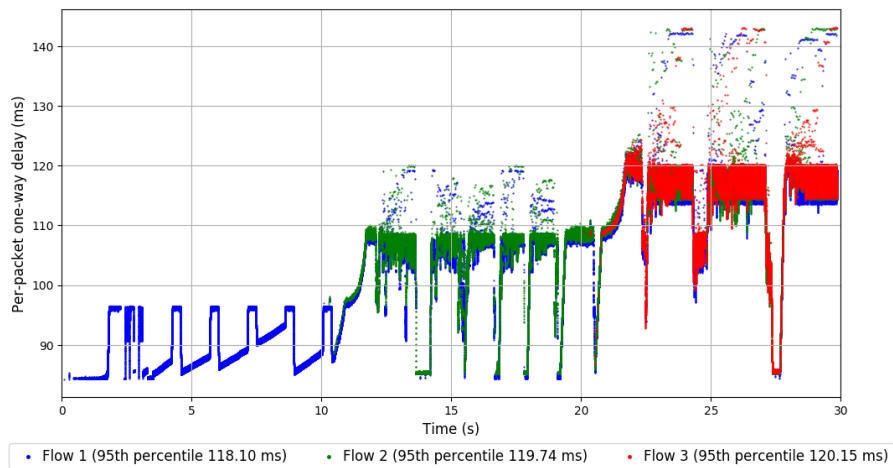
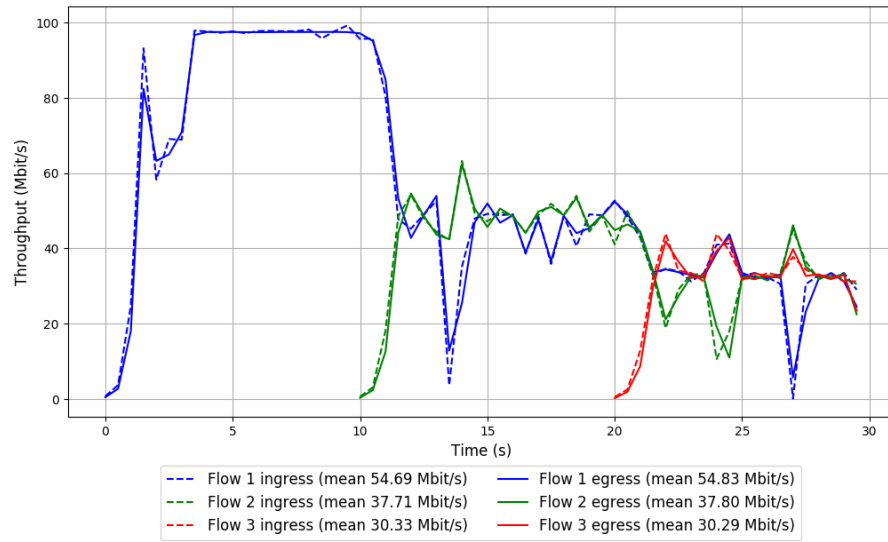


Run 5: Statistics of TCP BBR

Start at: 2018-02-03 20:45:02
End at: 2018-02-03 20:45:32
Local clock offset: -0.156 ms
Remote clock offset: -0.655 ms

Below is generated by plot.py at 2018-02-04 02:43:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 119.304 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 118.100 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 119.743 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 120.154 ms
Loss rate: 2.40%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-03 21:07:36

End at: 2018-02-03 21:08:06

Local clock offset: -0.05 ms

Remote clock offset: 2.707 ms

Below is generated by plot.py at 2018-02-04 02:43:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.61 Mbit/s

95th percentile per-packet one-way delay: 114.798 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 54.19 Mbit/s

95th percentile per-packet one-way delay: 114.676 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 38.85 Mbit/s

95th percentile per-packet one-way delay: 113.714 ms

Loss rate: 0.87%

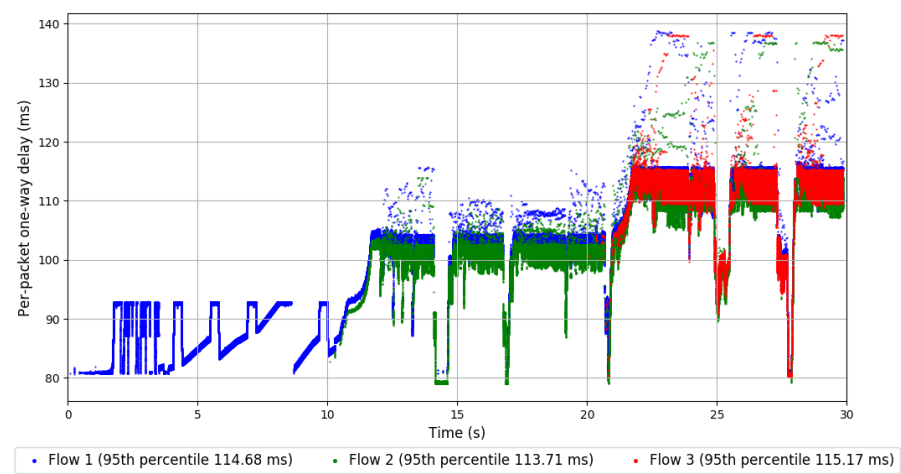
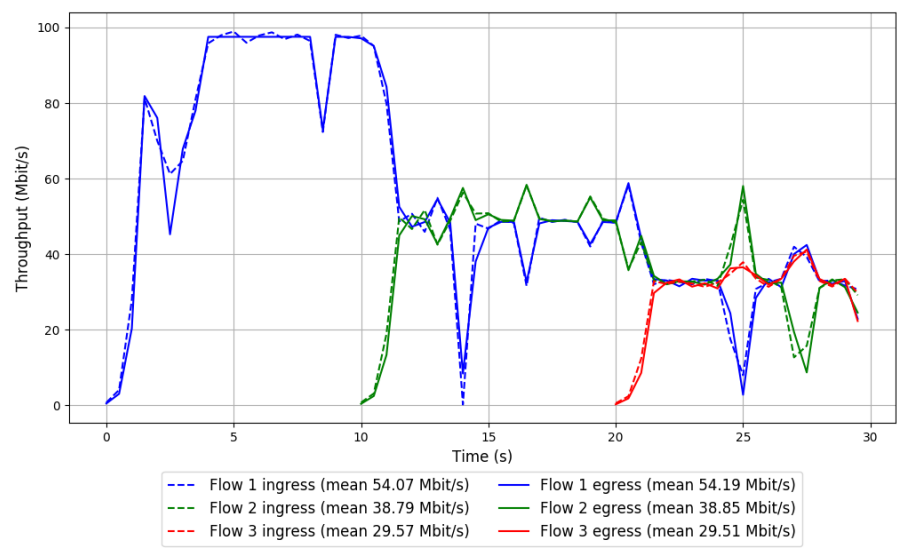
-- Flow 3:

Average throughput: 29.51 Mbit/s

95th percentile per-packet one-way delay: 115.175 ms

Loss rate: 2.42%

Run 6: Report of TCP BBR — Data Link

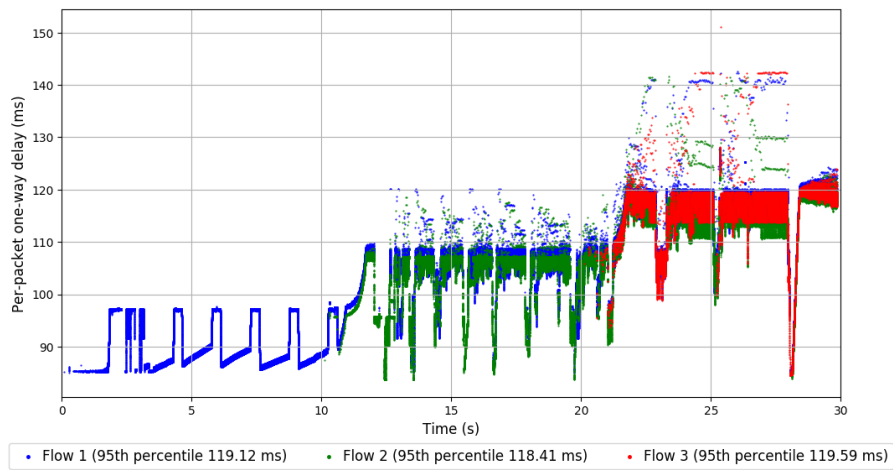
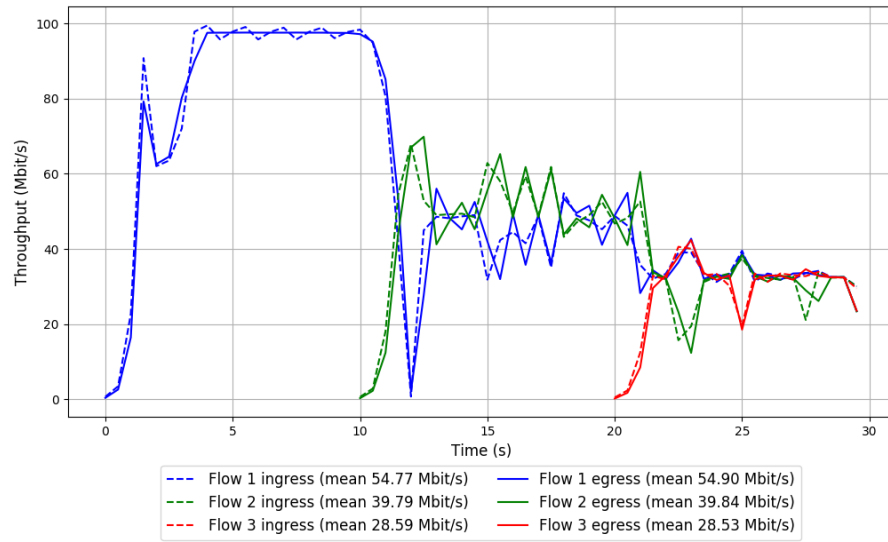


Run 7: Statistics of TCP BBR

Start at: 2018-02-03 21:30:03
End at: 2018-02-03 21:30:33
Local clock offset: -0.048 ms
Remote clock offset: -1.199 ms

Below is generated by plot.py at 2018-02-04 02:43:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 119.223 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 119.121 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 118.407 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 28.53 Mbit/s
95th percentile per-packet one-way delay: 119.586 ms
Loss rate: 2.42%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-03 21:52:41

End at: 2018-02-03 21:53:11

Local clock offset: -0.055 ms

Remote clock offset: -2.6 ms

Below is generated by plot.py at 2018-02-04 02:43:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.57 Mbit/s

95th percentile per-packet one-way delay: 120.011 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 55.64 Mbit/s

95th percentile per-packet one-way delay: 119.540 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 38.65 Mbit/s

95th percentile per-packet one-way delay: 120.054 ms

Loss rate: 0.87%

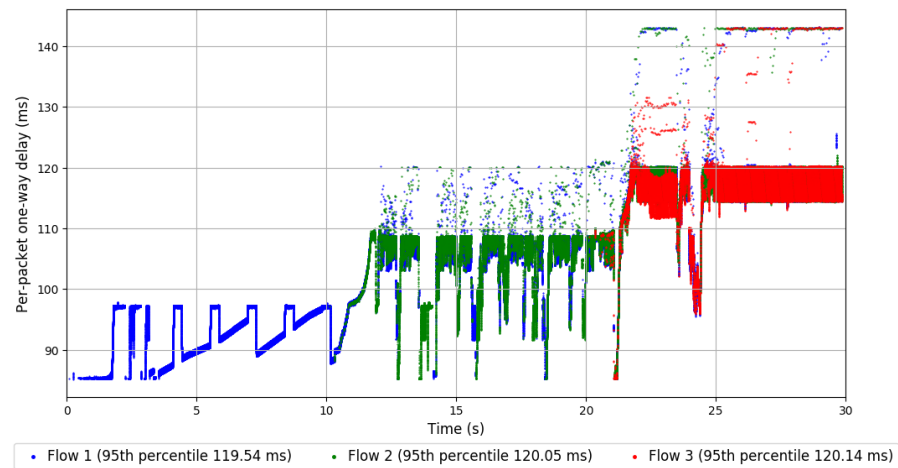
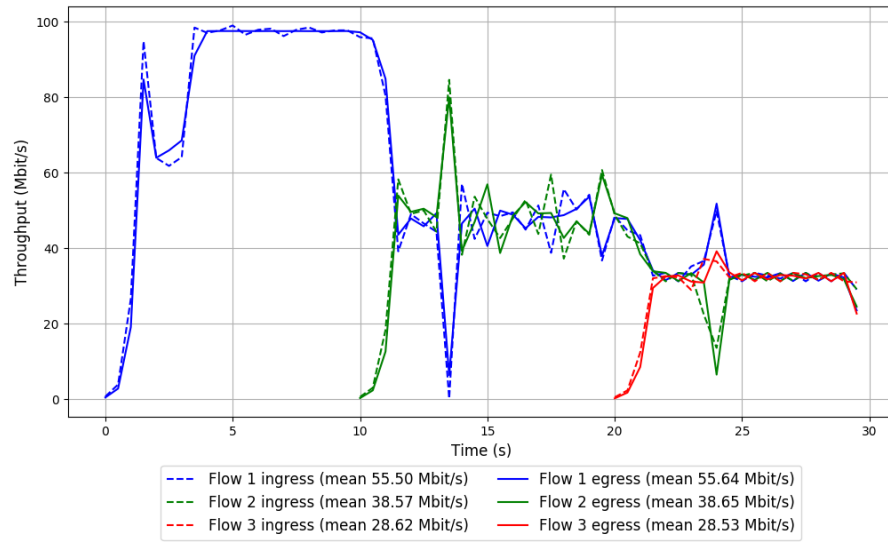
-- Flow 3:

Average throughput: 28.53 Mbit/s

95th percentile per-packet one-way delay: 120.135 ms

Loss rate: 2.63%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-03 22:15:28

End at: 2018-02-03 22:15:58

Local clock offset: -0.138 ms

Remote clock offset: -2.21 ms

Below is generated by plot.py at 2018-02-04 02:44:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.38 Mbit/s

95th percentile per-packet one-way delay: 117.542 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 54.53 Mbit/s

95th percentile per-packet one-way delay: 117.833 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 39.53 Mbit/s

95th percentile per-packet one-way delay: 117.313 ms

Loss rate: 0.91%

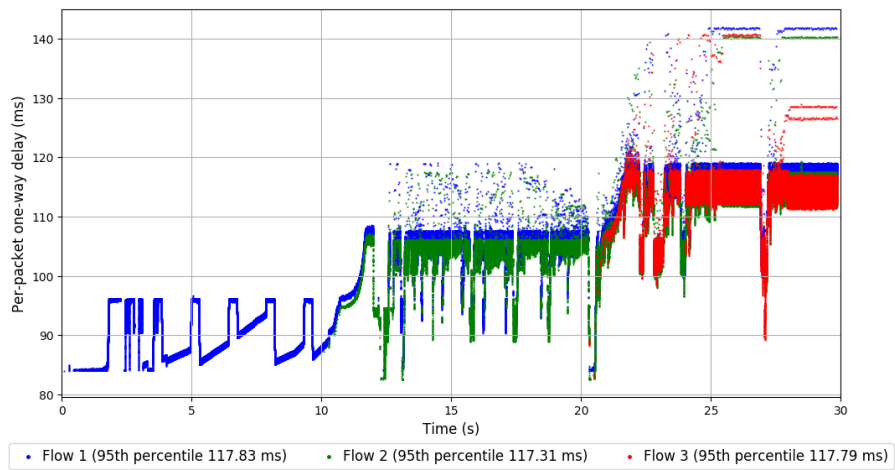
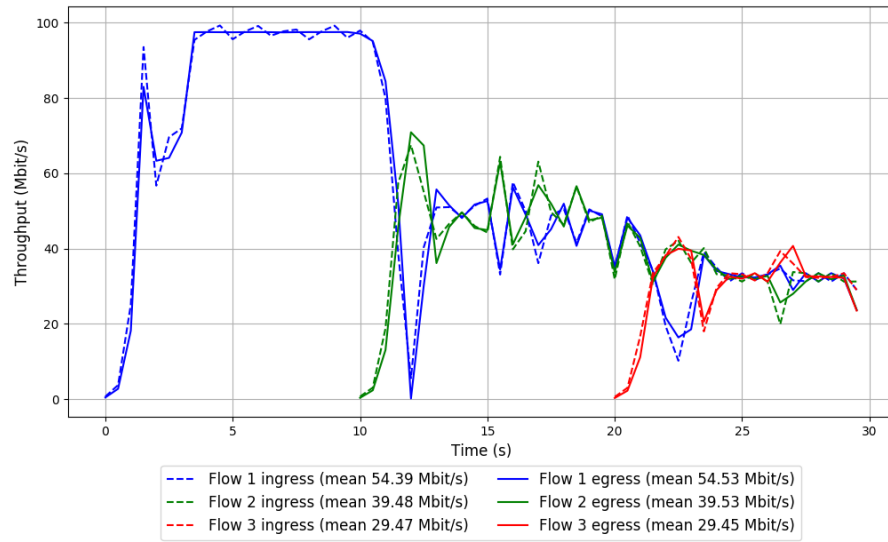
-- Flow 3:

Average throughput: 29.45 Mbit/s

95th percentile per-packet one-way delay: 117.793 ms

Loss rate: 2.29%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-03 22:38:08

End at: 2018-02-03 22:38:38

Local clock offset: -0.071 ms

Remote clock offset: 1.772 ms

Below is generated by plot.py at 2018-02-04 02:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.83 Mbit/s

95th percentile per-packet one-way delay: 115.762 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 115.906 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 114.428 ms

Loss rate: 0.98%

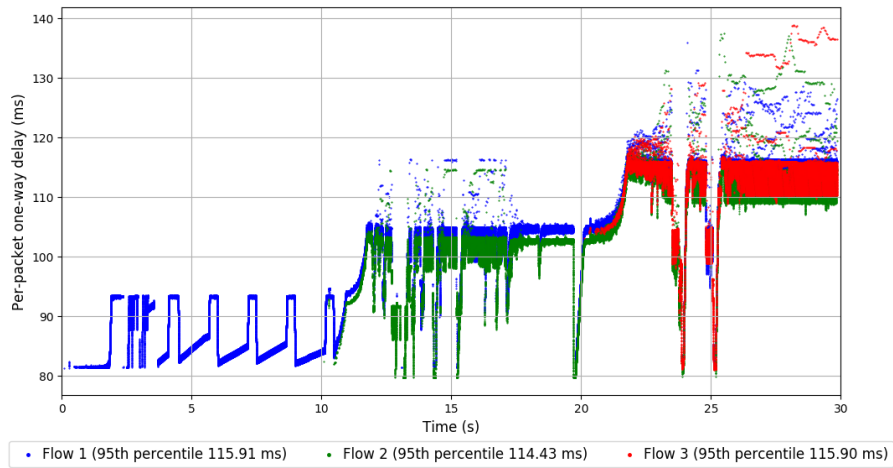
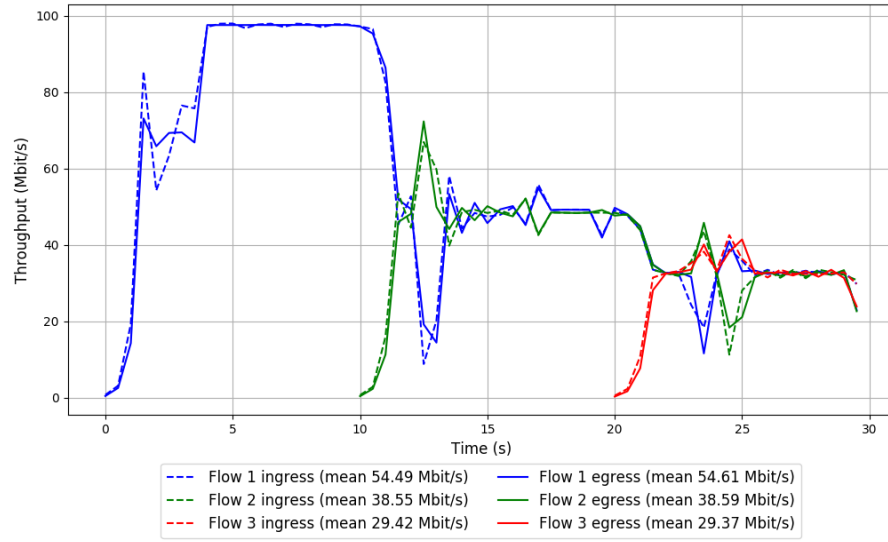
-- Flow 3:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 115.898 ms

Loss rate: 2.42%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-03 19:17:08

End at: 2018-02-03 19:17:38

Local clock offset: -0.235 ms

Remote clock offset: 2.356 ms

Below is generated by plot.py at 2018-02-04 02:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 115.505 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 51.01 Mbit/s

95th percentile per-packet one-way delay: 113.075 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 38.12 Mbit/s

95th percentile per-packet one-way delay: 116.507 ms

Loss rate: 1.30%

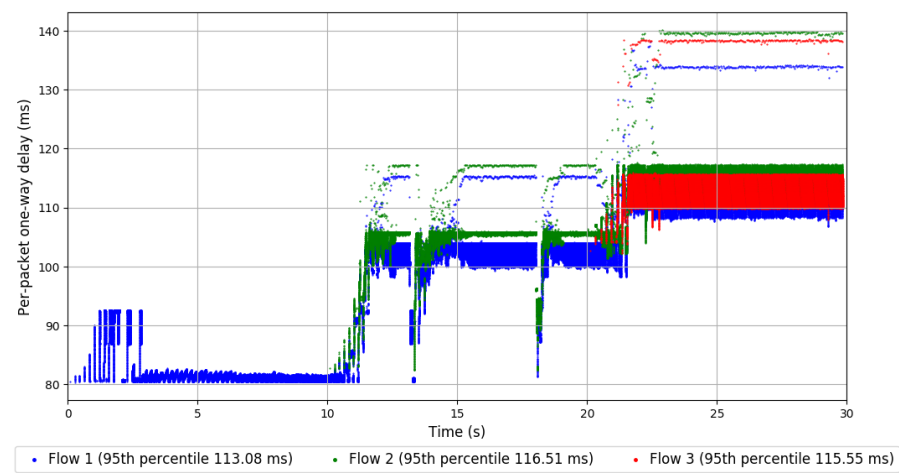
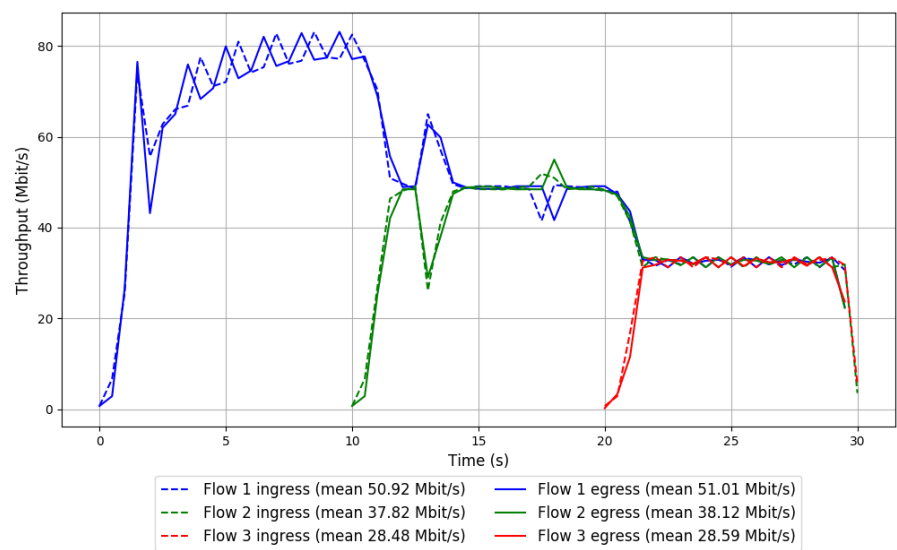
-- Flow 3:

Average throughput: 28.59 Mbit/s

95th percentile per-packet one-way delay: 115.553 ms

Loss rate: 3.87%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-03 19:39:42

End at: 2018-02-03 19:40:12

Local clock offset: -0.29 ms

Remote clock offset: -0.8 ms

Below is generated by plot.py at 2018-02-04 02:45:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 119.051 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 117.342 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 38.74 Mbit/s

95th percentile per-packet one-way delay: 119.153 ms

Loss rate: 1.32%

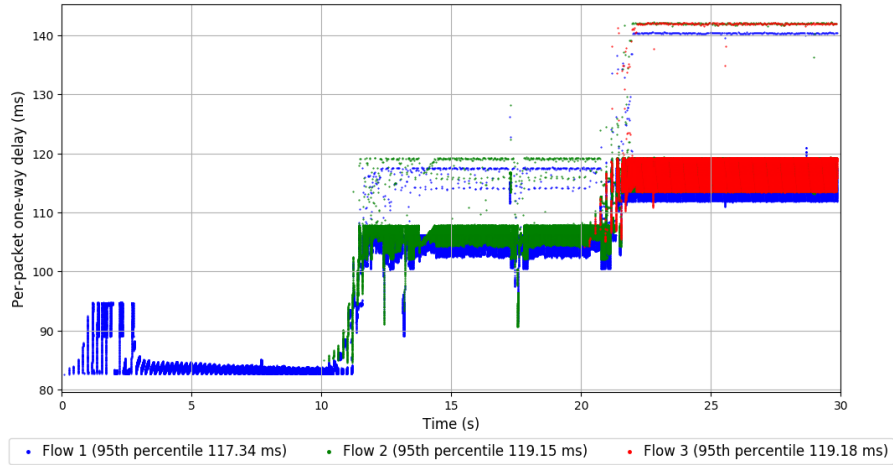
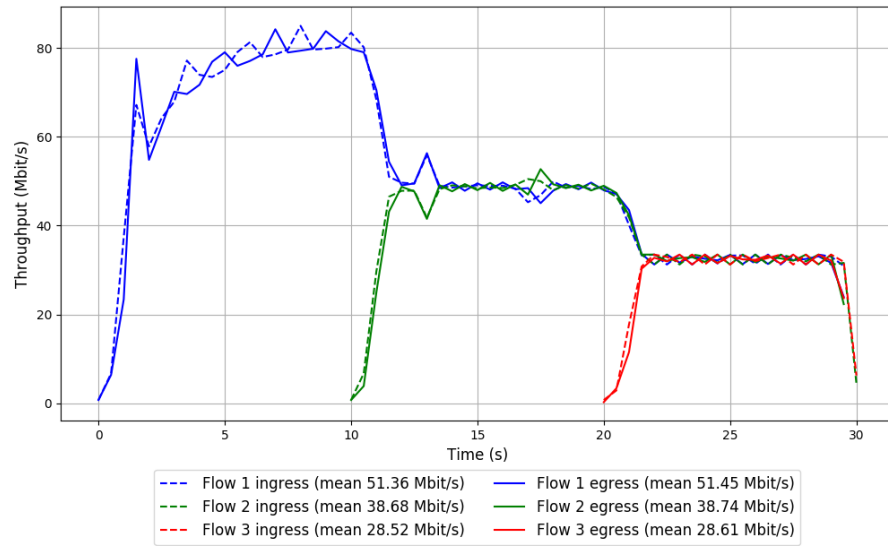
-- Flow 3:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 119.184 ms

Loss rate: 3.88%

Run 2: Report of TCP Cubic — Data Link

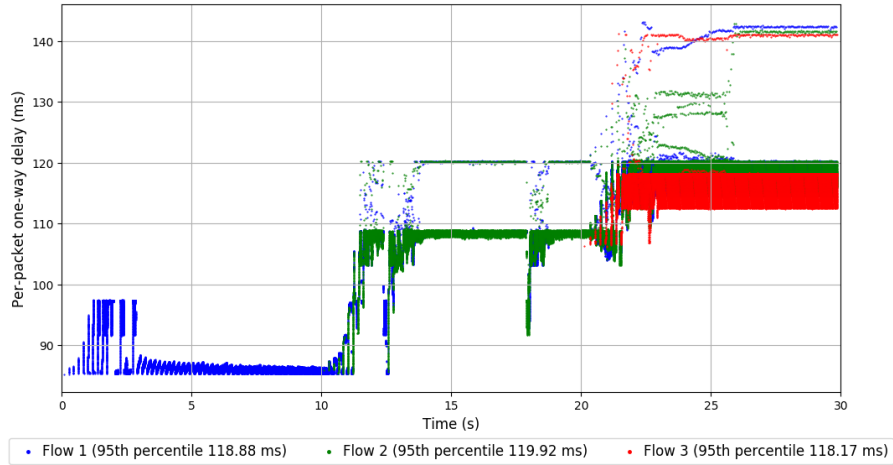
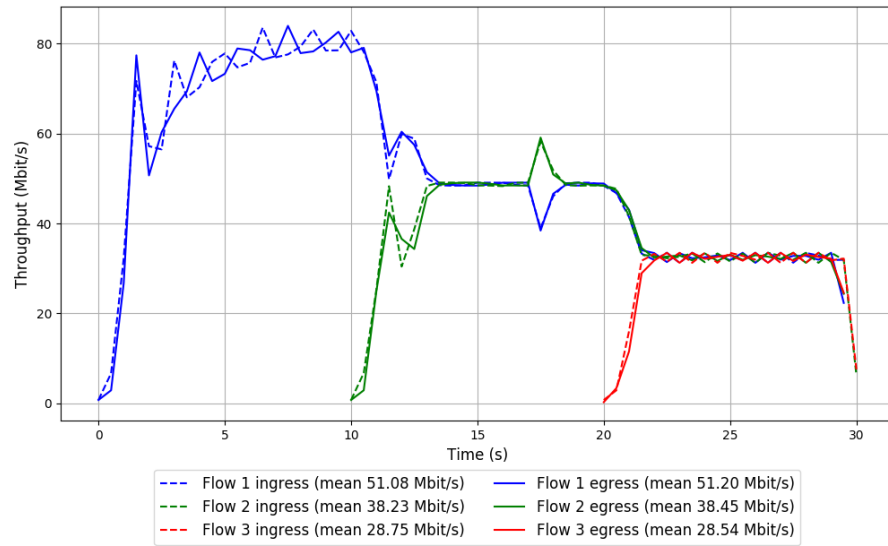


Run 3: Statistics of TCP Cubic

Start at: 2018-02-03 20:02:16
End at: 2018-02-03 20:02:46
Local clock offset: -0.207 ms
Remote clock offset: -1.484 ms

Below is generated by plot.py at 2018-02-04 02:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.01 Mbit/s
95th percentile per-packet one-way delay: 119.251 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 118.875 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 38.45 Mbit/s
95th percentile per-packet one-way delay: 119.921 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 118.165 ms
Loss rate: 3.88%

Run 3: Report of TCP Cubic — Data Link

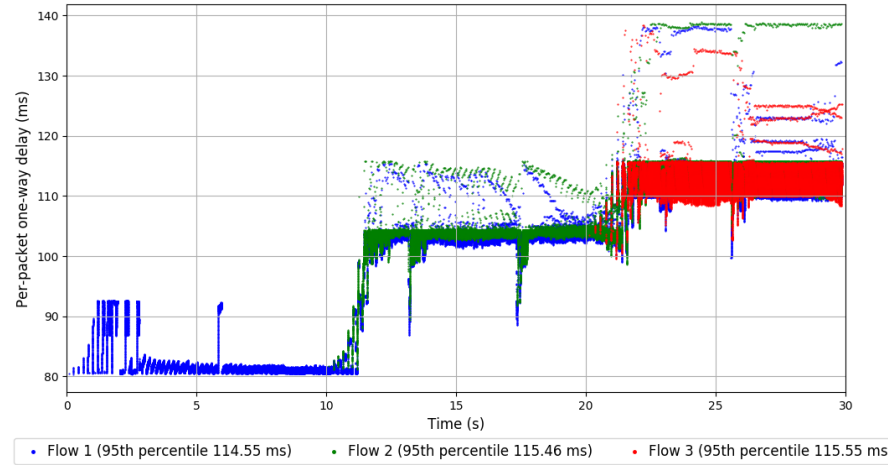
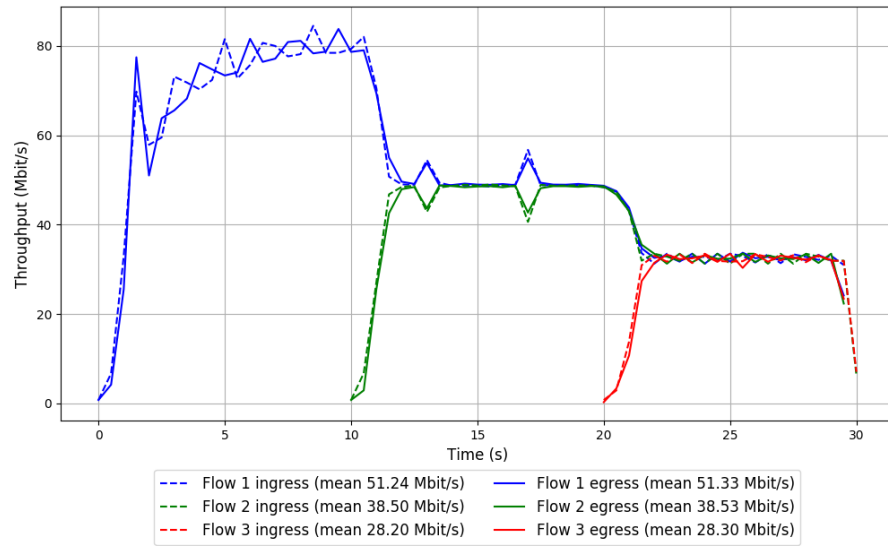


Run 4: Statistics of TCP Cubic

Start at: 2018-02-03 20:25:04
End at: 2018-02-03 20:25:34
Local clock offset: -0.154 ms
Remote clock offset: 3.126 ms

Below is generated by plot.py at 2018-02-04 02:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 115.196 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 114.550 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 115.458 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 115.550 ms
Loss rate: 3.93%

Run 4: Report of TCP Cubic — Data Link

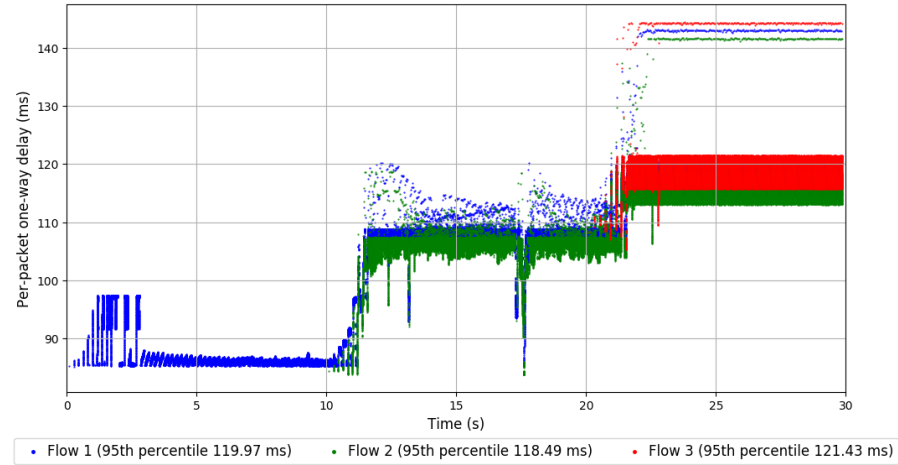
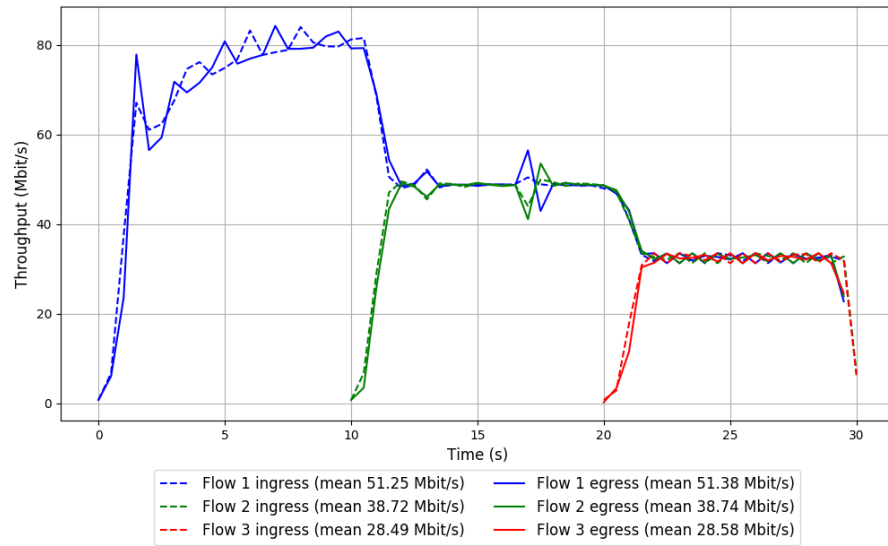


Run 5: Statistics of TCP Cubic

Start at: 2018-02-03 20:47:37
End at: 2018-02-03 20:48:07
Local clock offset: -0.042 ms
Remote clock offset: -1.612 ms

Below is generated by plot.py at 2018-02-04 02:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.42 Mbit/s
95th percentile per-packet one-way delay: 120.206 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 119.969 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 118.489 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 28.58 Mbit/s
95th percentile per-packet one-way delay: 121.427 ms
Loss rate: 3.89%

Run 5: Report of TCP Cubic — Data Link

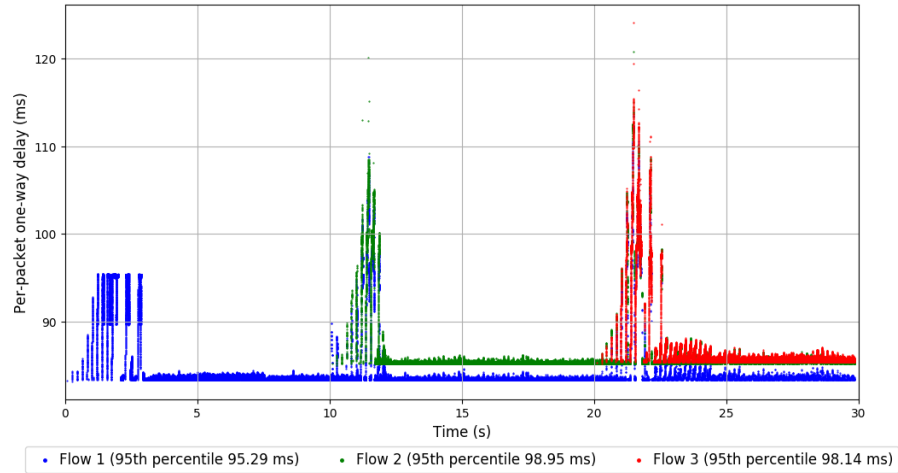
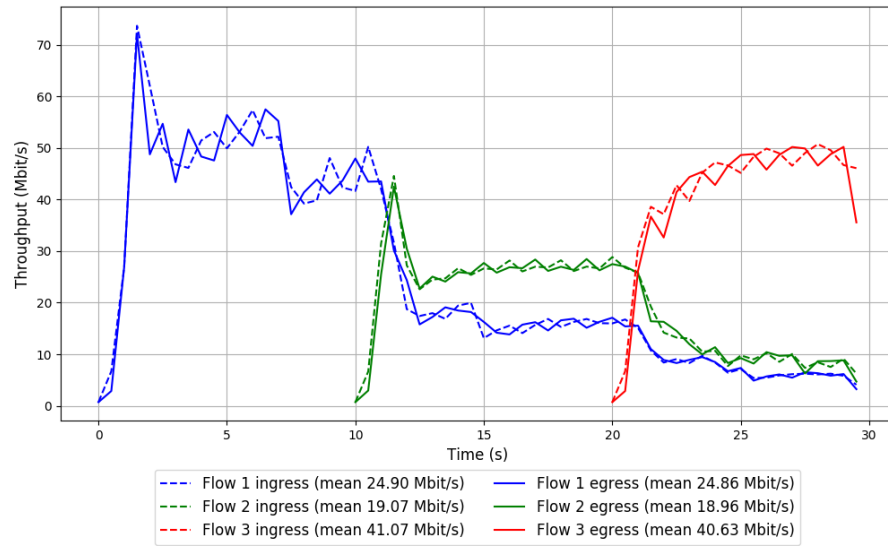


Run 6: Statistics of TCP Cubic

Start at: 2018-02-03 21:10:11
End at: 2018-02-03 21:10:41
Local clock offset: -0.066 ms
Remote clock offset: -1.808 ms

Below is generated by plot.py at 2018-02-04 02:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.75 Mbit/s
95th percentile per-packet one-way delay: 95.371 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 95.288 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 98.948 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 98.140 ms
Loss rate: 2.88%

Run 6: Report of TCP Cubic — Data Link

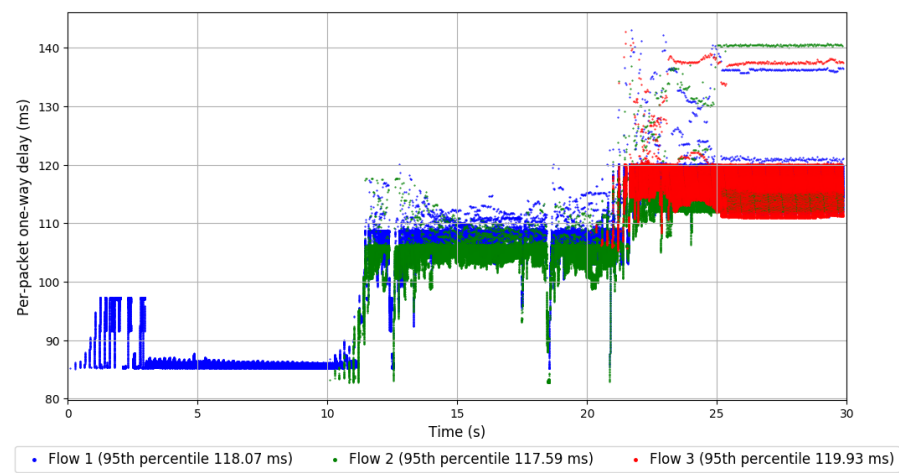
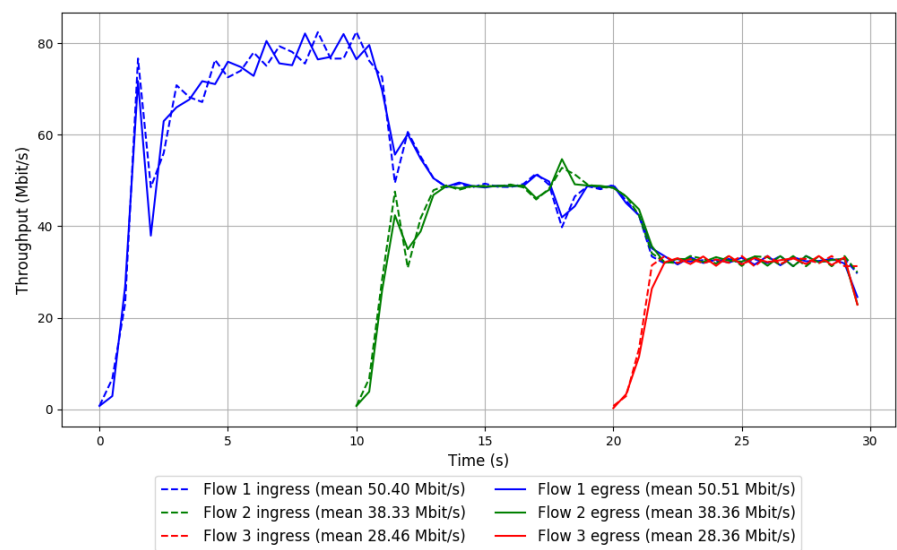


Run 7: Statistics of TCP Cubic

Start at: 2018-02-03 21:32:38
End at: 2018-02-03 21:33:08
Local clock offset: -0.036 ms
Remote clock offset: -1.296 ms

Below is generated by plot.py at 2018-02-04 02:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 118.451 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 50.51 Mbit/s
95th percentile per-packet one-way delay: 118.072 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 117.589 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 119.933 ms
Loss rate: 2.67%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-03 21:55:17

End at: 2018-02-03 21:55:47

Local clock offset: -0.109 ms

Remote clock offset: 1.145 ms

Below is generated by plot.py at 2018-02-04 02:46:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 115.793 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 51.30 Mbit/s

95th percentile per-packet one-way delay: 114.860 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 38.77 Mbit/s

95th percentile per-packet one-way delay: 116.840 ms

Loss rate: 1.44%

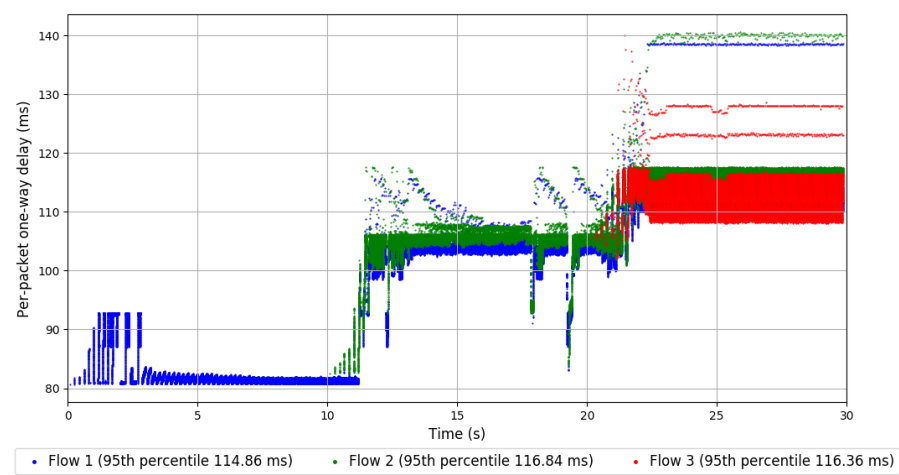
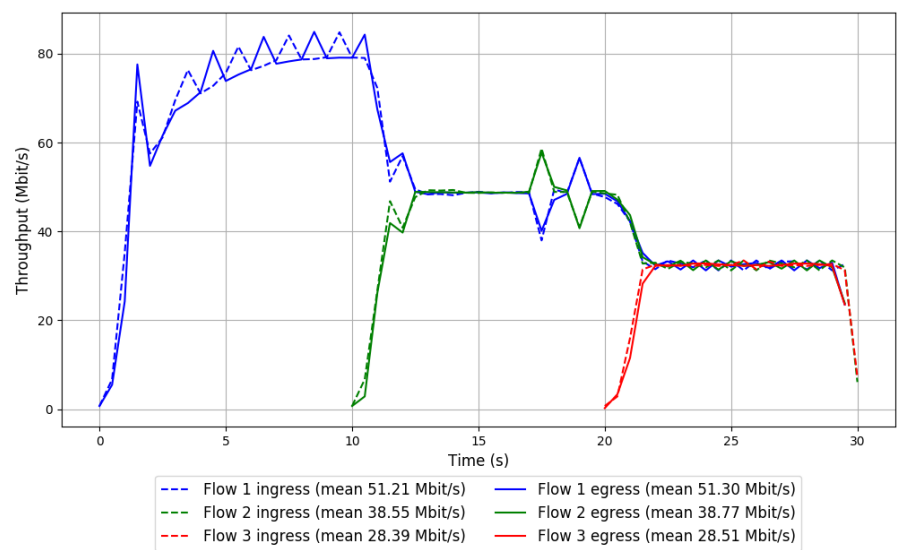
-- Flow 3:

Average throughput: 28.51 Mbit/s

95th percentile per-packet one-way delay: 116.362 ms

Loss rate: 3.83%

Run 8: Report of TCP Cubic — Data Link

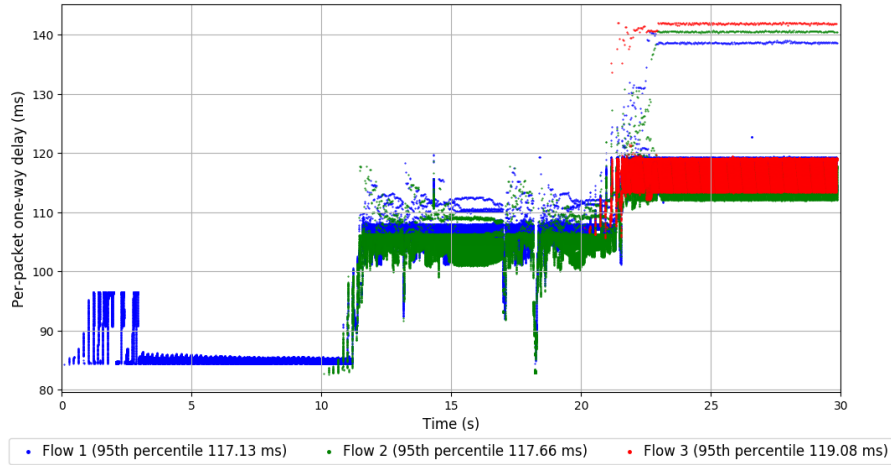
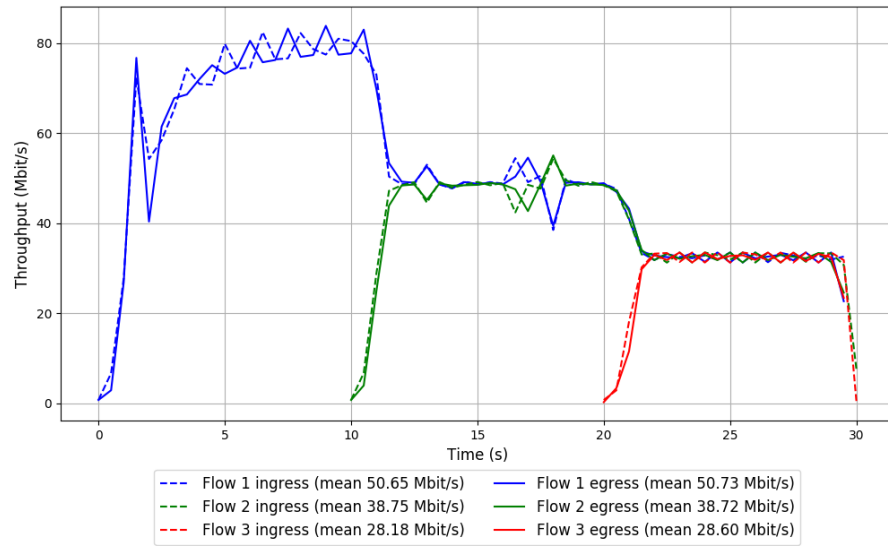


Run 9: Statistics of TCP Cubic

Start at: 2018-02-03 22:18:03
End at: 2018-02-03 22:18:33
Local clock offset: -0.143 ms
Remote clock offset: -2.497 ms

Below is generated by plot.py at 2018-02-04 02:46:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.76 Mbit/s
95th percentile per-packet one-way delay: 118.606 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 117.127 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 38.72 Mbit/s
95th percentile per-packet one-way delay: 117.657 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 119.077 ms
Loss rate: 2.91%

Run 9: Report of TCP Cubic — Data Link

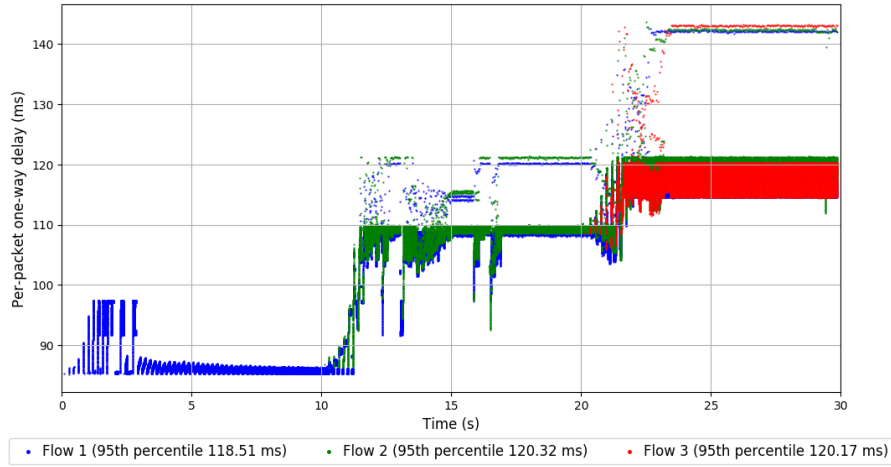
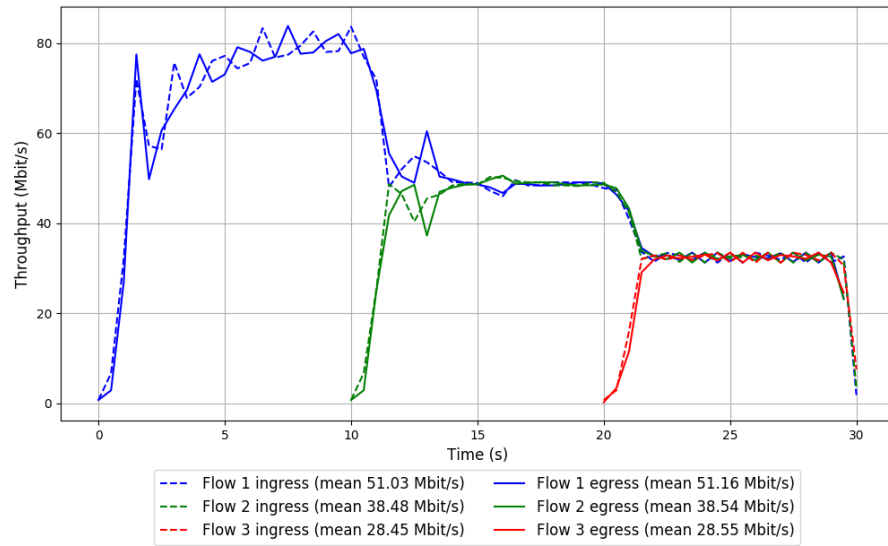


Run 10: Statistics of TCP Cubic

Start at: 2018-02-03 22:40:43
End at: 2018-02-03 22:41:13
Local clock offset: -0.052 ms
Remote clock offset: -3.192 ms

Below is generated by plot.py at 2018-02-04 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 119.890 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 118.510 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 120.319 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 120.173 ms
Loss rate: 3.90%

Run 10: Report of TCP Cubic — Data Link

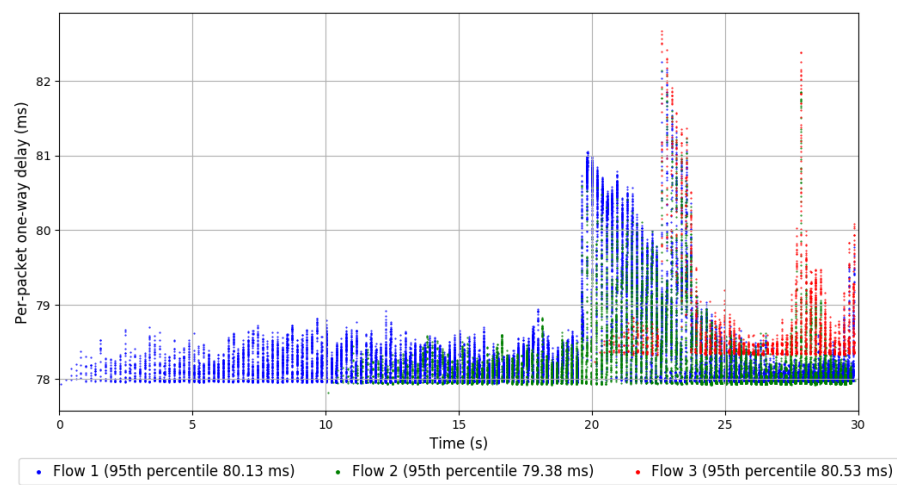
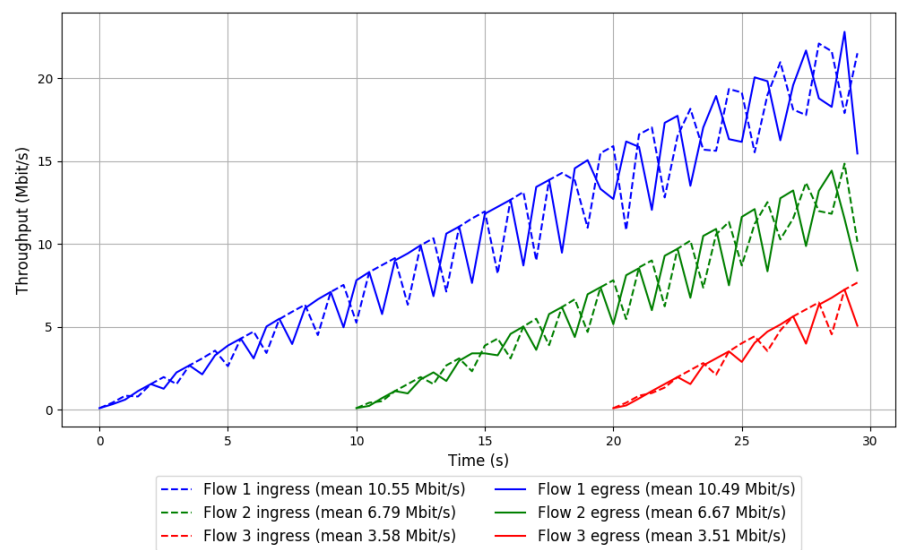


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-03 19:30:24
End at: 2018-02-03 19:30:54
Local clock offset: -0.243 ms
Remote clock offset: 3.524 ms

# Below is generated by plot.py at 2018-02-04 02:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 79.918 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 10.49 Mbit/s
95th percentile per-packet one-way delay: 80.126 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 79.378 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 80.533 ms
Loss rate: 3.67%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-02-03 19:52:58

End at: 2018-02-03 19:53:28

Local clock offset: -0.194 ms

Remote clock offset: 3.038 ms

Below is generated by plot.py at 2018-02-04 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.39 Mbit/s

95th percentile per-packet one-way delay: 80.919 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 80.882 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 6.71 Mbit/s

95th percentile per-packet one-way delay: 81.016 ms

Loss rate: 1.89%

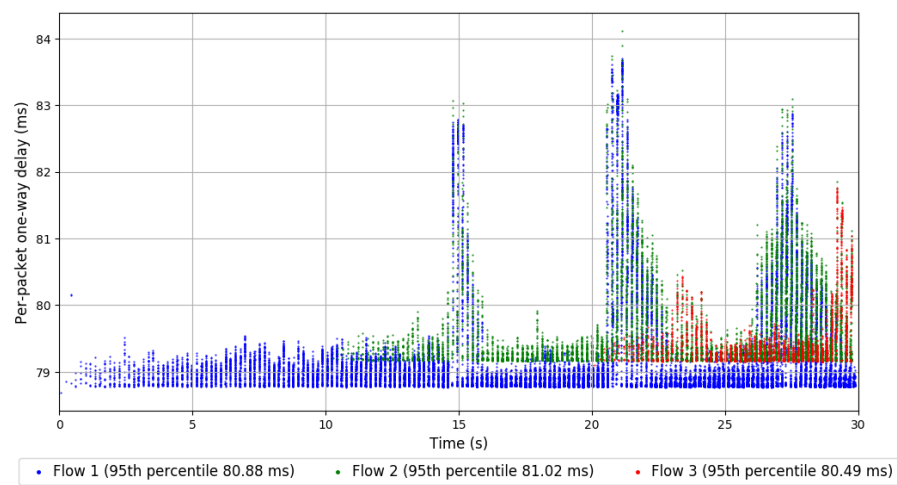
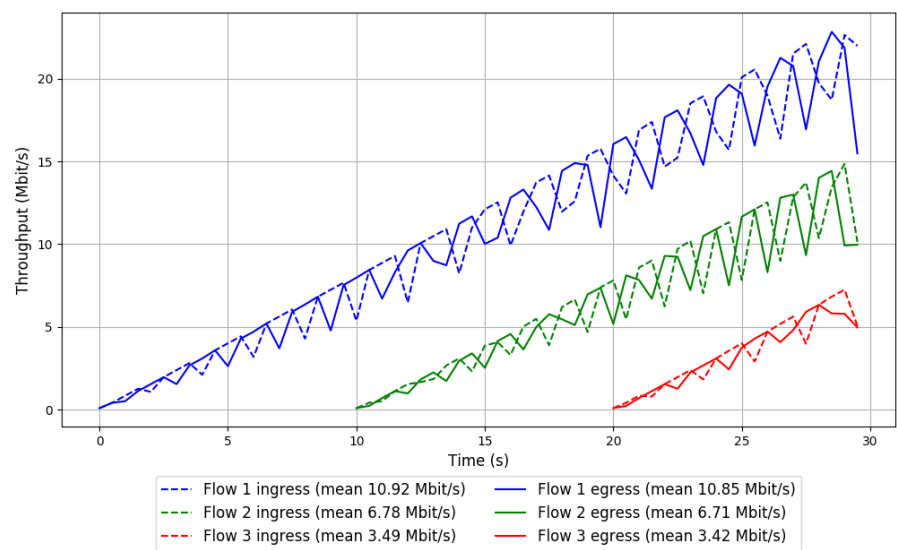
-- Flow 3:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 80.487 ms

Loss rate: 3.73%

Run 2: Report of LEDBAT — Data Link

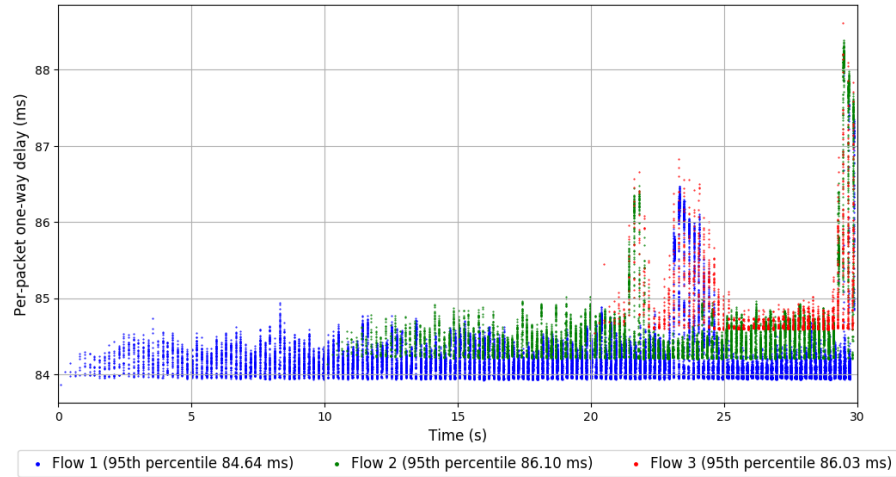
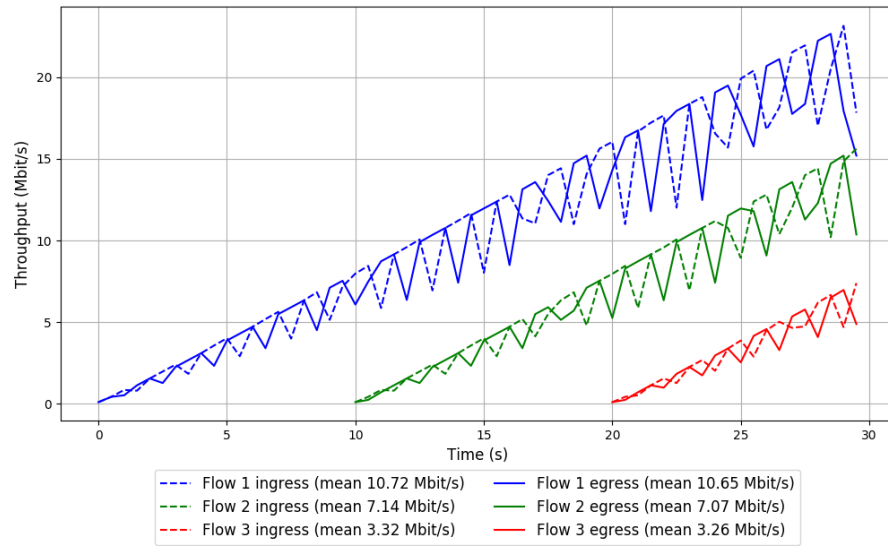


Run 3: Statistics of LEDBAT

Start at: 2018-02-03 20:15:33
End at: 2018-02-03 20:16:03
Local clock offset: -0.178 ms
Remote clock offset: -0.649 ms

Below is generated by plot.py at 2018-02-04 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.41 Mbit/s
95th percentile per-packet one-way delay: 85.365 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 84.635 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 86.099 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 86.027 ms
Loss rate: 3.81%

Run 3: Report of LEDBAT — Data Link

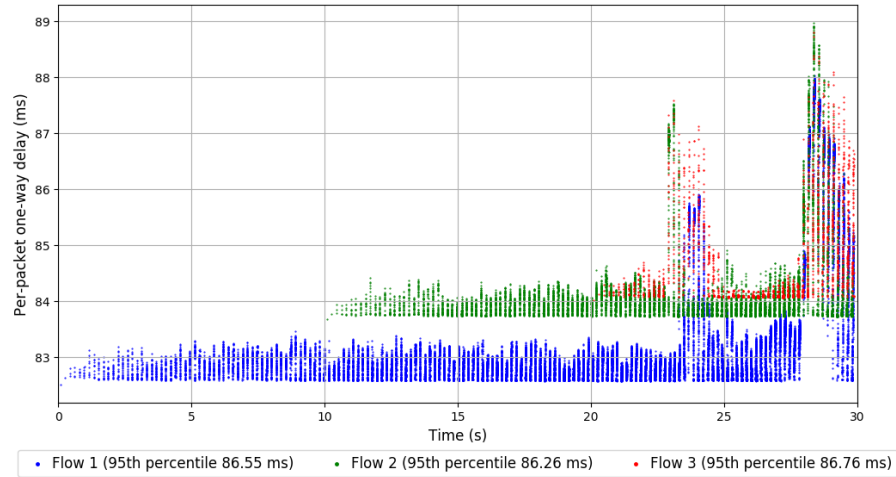
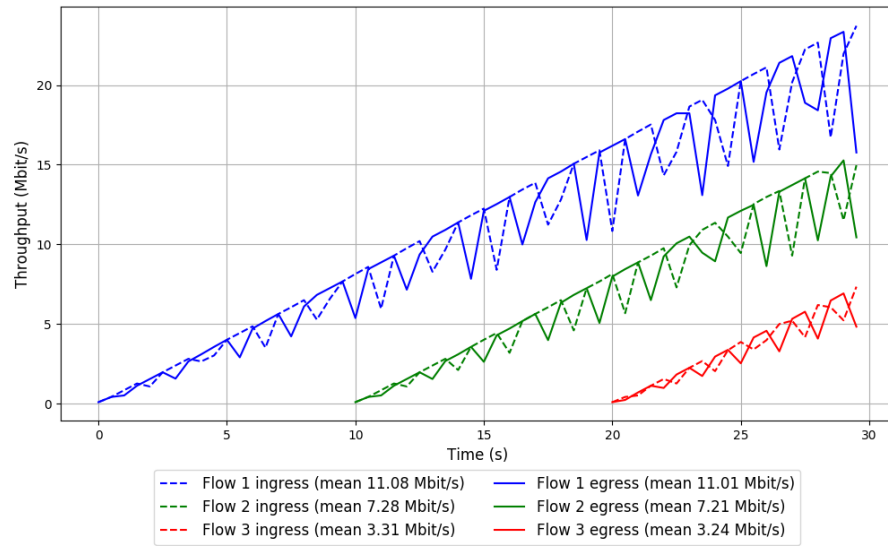


Run 4: Statistics of LEDBAT

Start at: 2018-02-03 20:38:18
End at: 2018-02-03 20:38:48
Local clock offset: -0.097 ms
Remote clock offset: -0.602 ms

Below is generated by plot.py at 2018-02-04 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.85 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 86.553 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 86.260 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 86.763 ms
Loss rate: 3.82%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-03 21:00:53

End at: 2018-02-03 21:01:24

Local clock offset: -0.041 ms

Remote clock offset: 2.691 ms

Below is generated by plot.py at 2018-02-04 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.74 Mbit/s

95th percentile per-packet one-way delay: 83.608 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 10.91 Mbit/s

95th percentile per-packet one-way delay: 84.057 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 81.410 ms

Loss rate: 1.83%

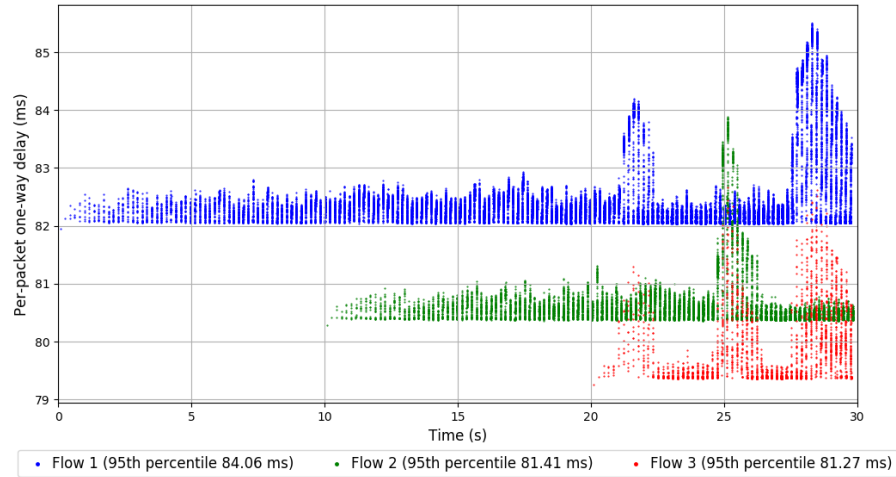
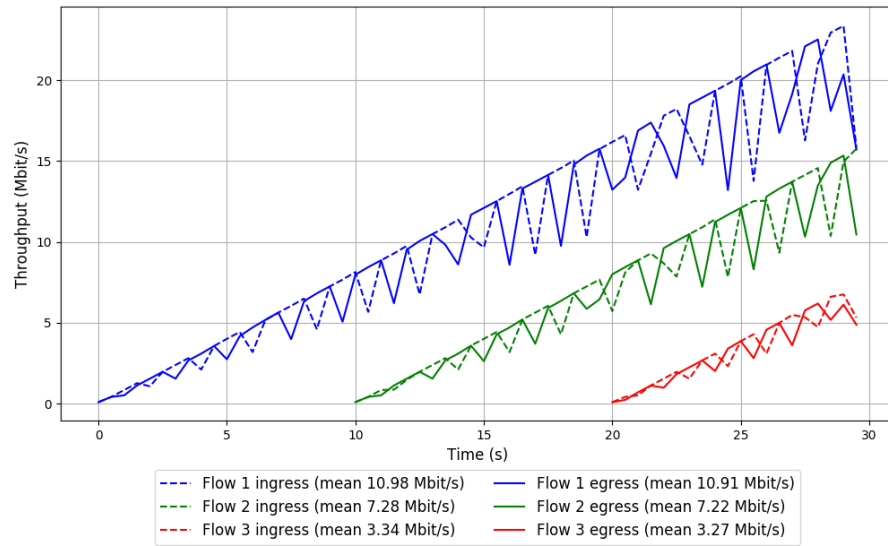
-- Flow 3:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 81.267 ms

Loss rate: 3.81%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-03 21:23:21

End at: 2018-02-03 21:23:51

Local clock offset: -0.062 ms

Remote clock offset: 1.679 ms

Below is generated by plot.py at 2018-02-04 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.03 Mbit/s

95th percentile per-packet one-way delay: 82.045 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 11.01 Mbit/s

95th percentile per-packet one-way delay: 81.540 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 81.234 ms

Loss rate: 1.80%

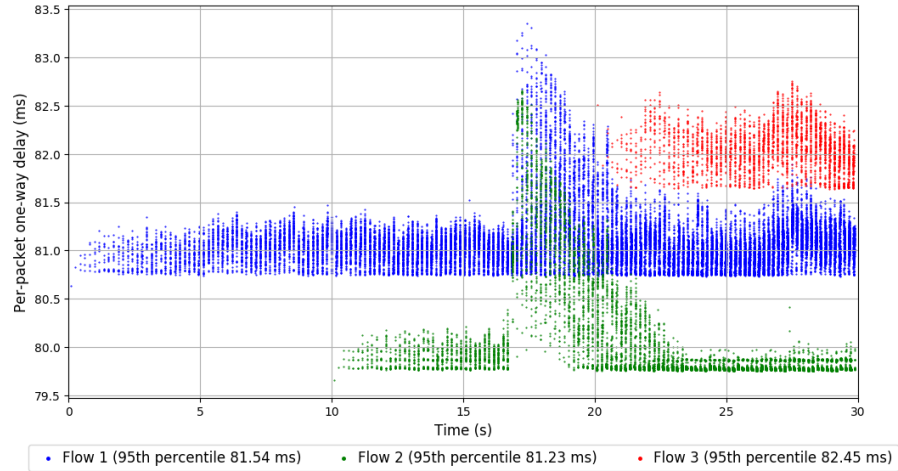
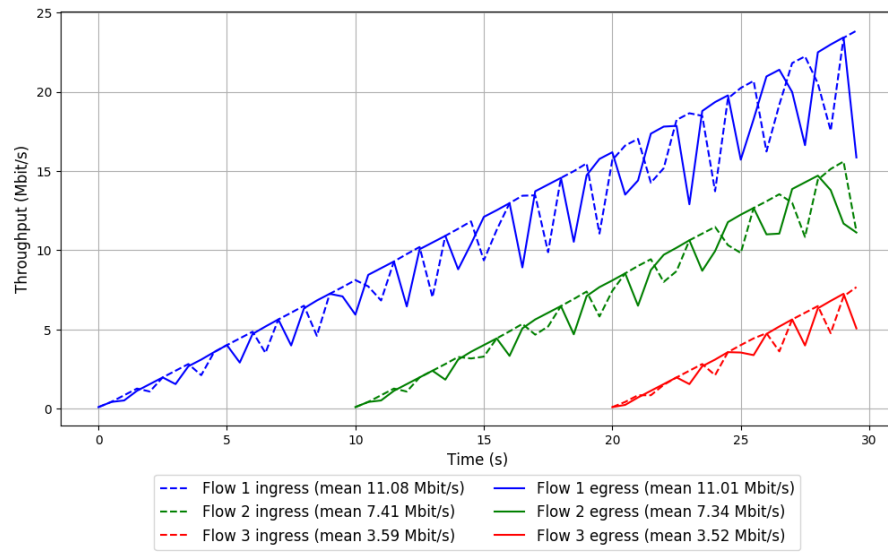
-- Flow 3:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 82.446 ms

Loss rate: 3.66%

Run 6: Report of LEDBAT — Data Link

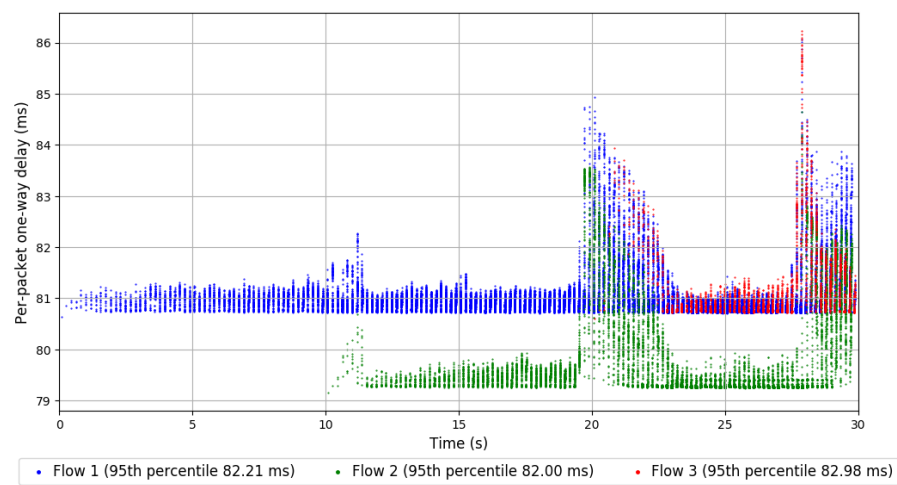
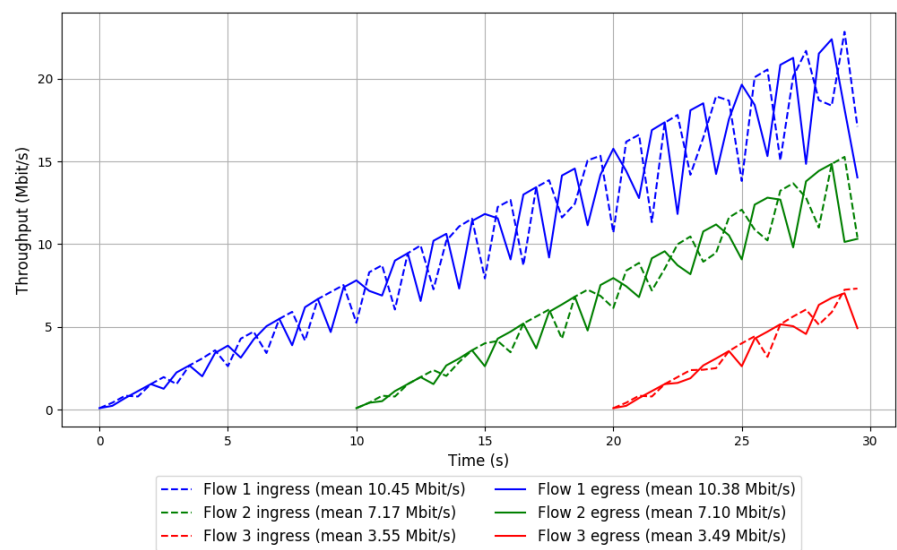


Run 7: Statistics of LEDBAT

Start at: 2018-02-03 21:45:52
End at: 2018-02-03 21:46:22
Local clock offset: -0.053 ms
Remote clock offset: 2.057 ms

Below is generated by plot.py at 2018-02-04 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.21 Mbit/s
95th percentile per-packet one-way delay: 82.226 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 10.38 Mbit/s
95th percentile per-packet one-way delay: 82.212 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 82.003 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 82.979 ms
Loss rate: 3.69%

Run 7: Report of LEDBAT — Data Link

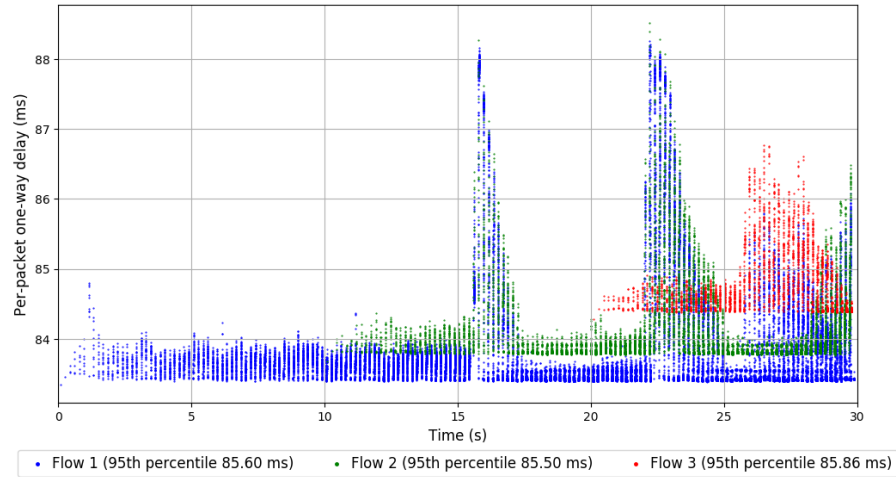
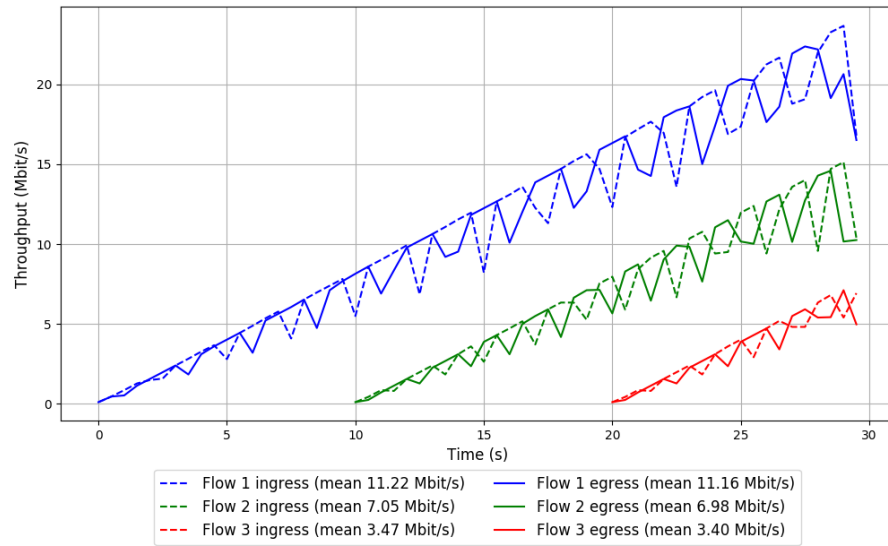


Run 8: Statistics of LEDBAT

Start at: 2018-02-03 22:08:35
End at: 2018-02-03 22:09:05
Local clock offset: -0.069 ms
Remote clock offset: -2.898 ms

Below is generated by plot.py at 2018-02-04 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 85.629 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 85.599 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 85.499 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 85.861 ms
Loss rate: 3.73%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-03 22:31:24

End at: 2018-02-03 22:31:54

Local clock offset: -0.084 ms

Remote clock offset: -2.66 ms

Below is generated by plot.py at 2018-02-04 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.42 Mbit/s

95th percentile per-packet one-way delay: 86.448 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 10.63 Mbit/s

95th percentile per-packet one-way delay: 85.698 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 86.755 ms

Loss rate: 1.84%

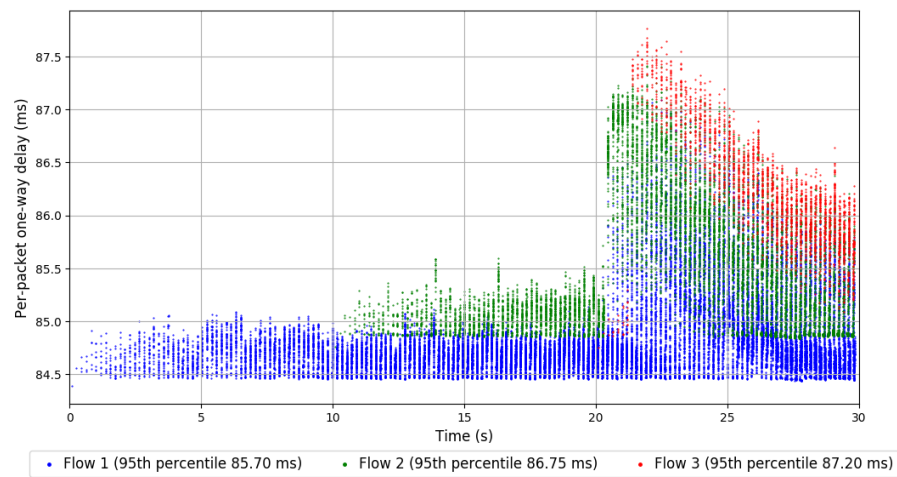
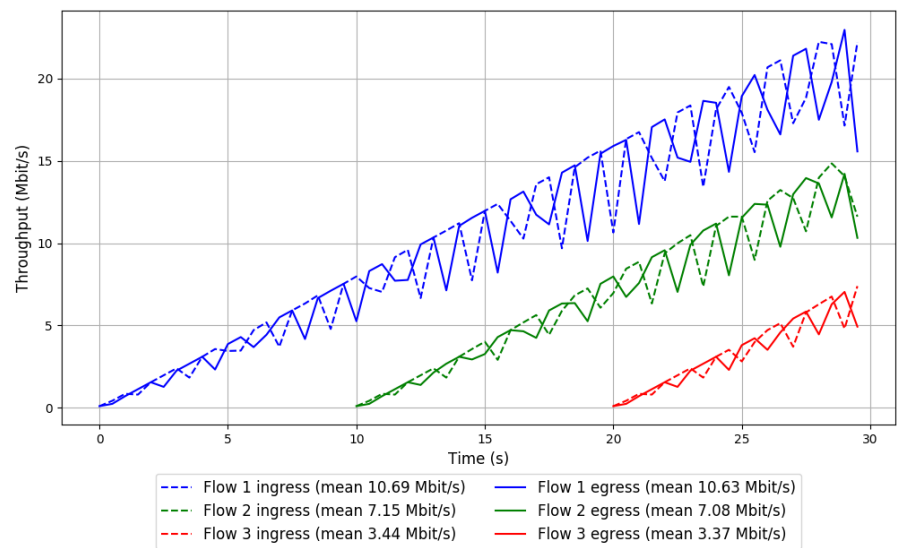
-- Flow 3:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 87.197 ms

Loss rate: 3.73%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-03 22:54:01

End at: 2018-02-03 22:54:31

Local clock offset: -0.045 ms

Remote clock offset: 2.406 ms

Below is generated by plot.py at 2018-02-04 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.34 Mbit/s

95th percentile per-packet one-way delay: 79.696 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 78.081 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 78.307 ms

Loss rate: 1.81%

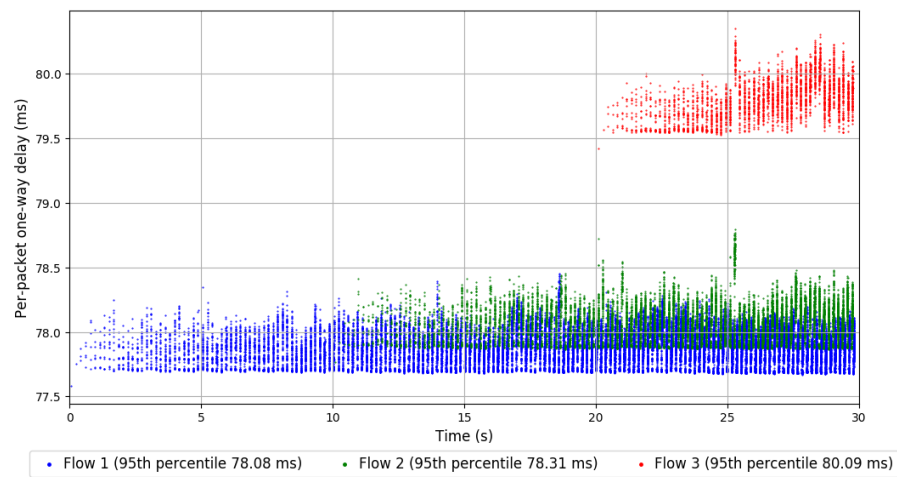
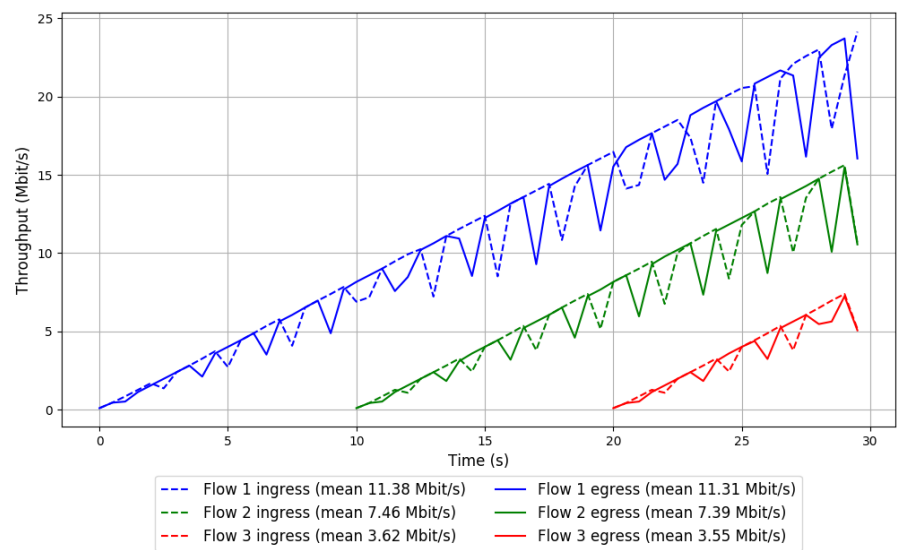
-- Flow 3:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 80.095 ms

Loss rate: 3.66%

Run 10: Report of LEDBAT — Data Link

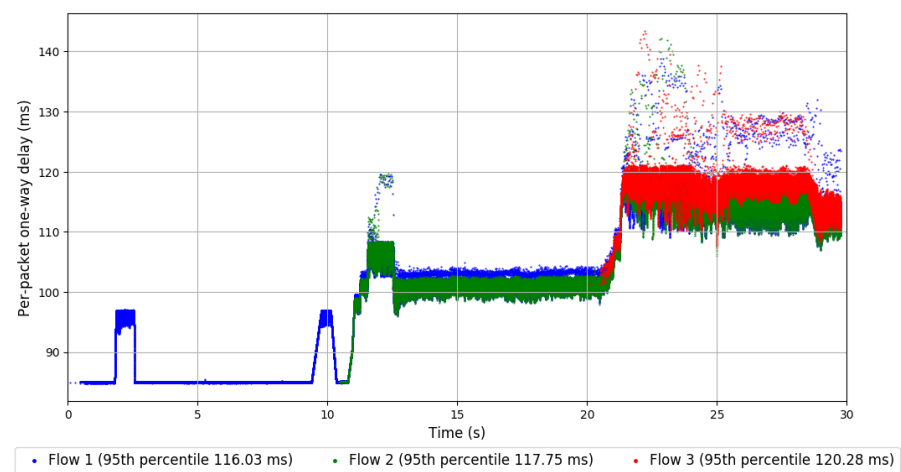
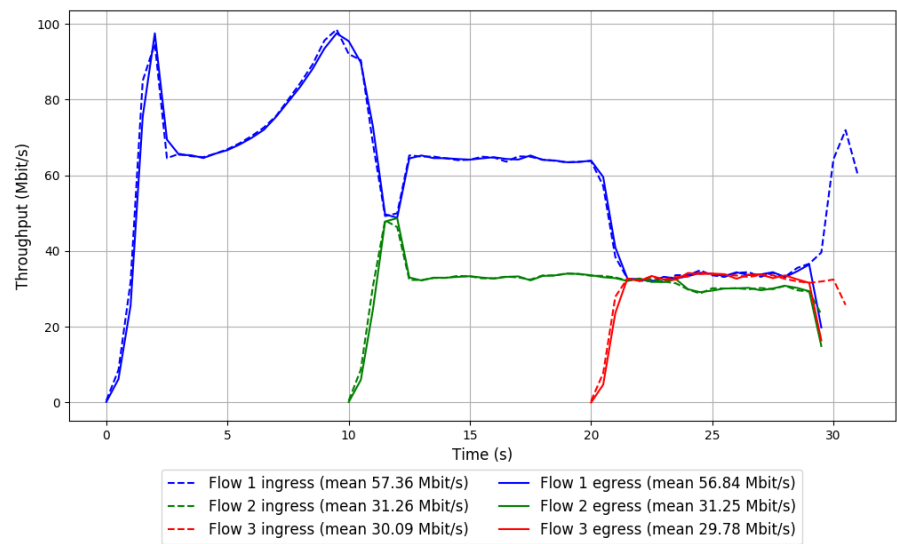


Run 1: Statistics of PCC

Start at: 2018-02-03 19:09:07
End at: 2018-02-03 19:09:37
Local clock offset: -0.284 ms
Remote clock offset: -2.343 ms

Below is generated by plot.py at 2018-02-04 02:46:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 118.387 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 116.032 ms
Loss rate: 6.25%
-- Flow 2:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 117.751 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 29.78 Mbit/s
95th percentile per-packet one-way delay: 120.275 ms
Loss rate: 12.33%

Run 1: Report of PCC — Data Link

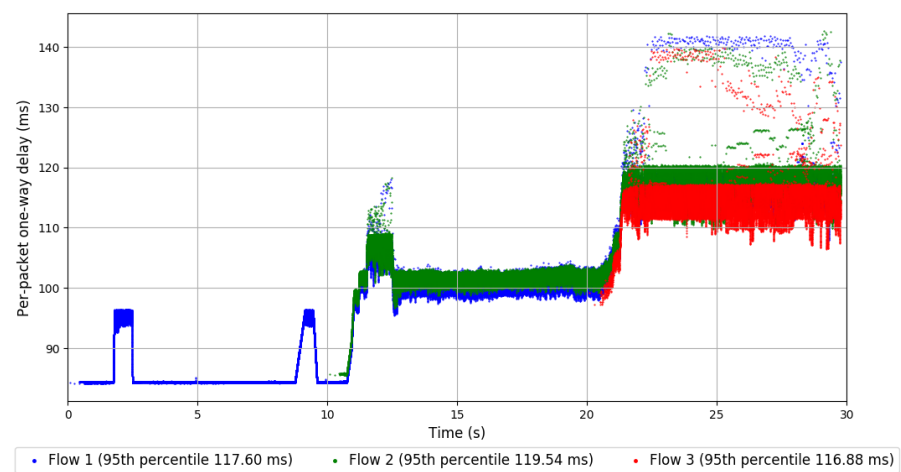
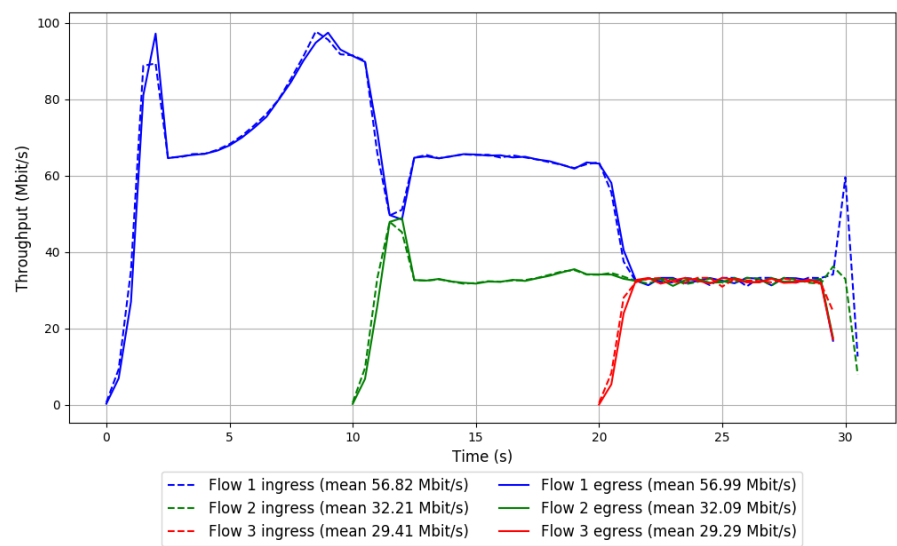


Run 2: Statistics of PCC

Start at: 2018-02-03 19:31:41
End at: 2018-02-03 19:32:11
Local clock offset: -0.246 ms
Remote clock offset: -1.056 ms

Below is generated by plot.py at 2018-02-04 02:46:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 118.327 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 117.601 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 119.542 ms
Loss rate: 4.98%
-- Flow 3:
Average throughput: 29.29 Mbit/s
95th percentile per-packet one-way delay: 116.877 ms
Loss rate: 2.58%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-03 19:54:14

End at: 2018-02-03 19:54:44

Local clock offset: -0.274 ms

Remote clock offset: 3.041 ms

Below is generated by plot.py at 2018-02-04 02:47:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.35 Mbit/s

95th percentile per-packet one-way delay: 114.671 ms

Loss rate: 4.63%

-- Flow 1:

Average throughput: 56.47 Mbit/s

95th percentile per-packet one-way delay: 113.321 ms

Loss rate: 4.27%

-- Flow 2:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 116.040 ms

Loss rate: 6.31%

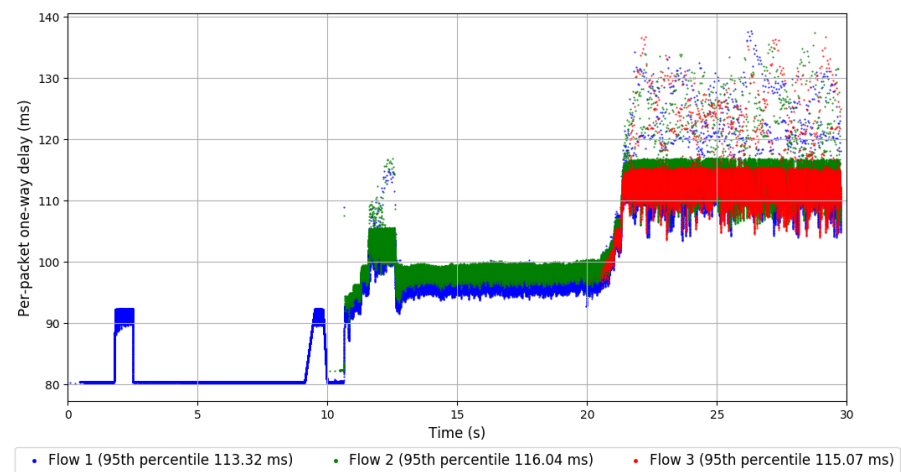
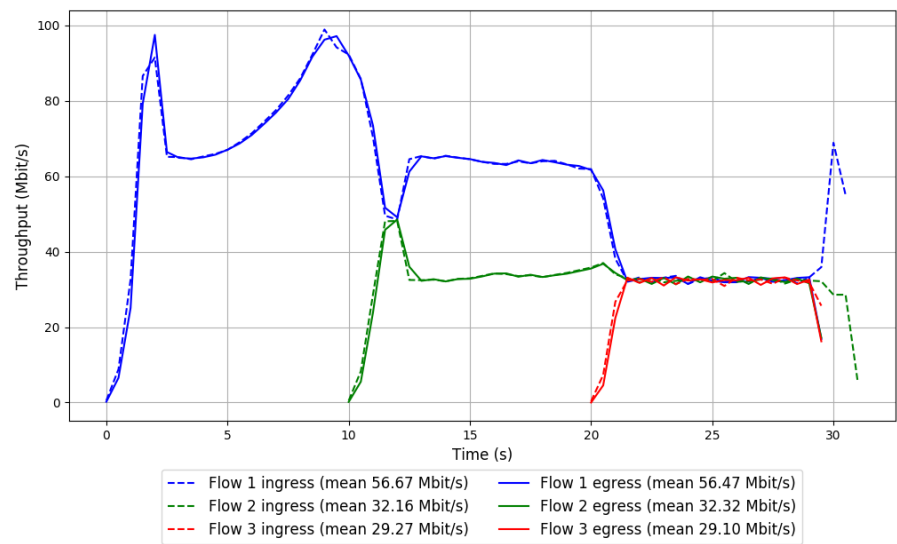
-- Flow 3:

Average throughput: 29.10 Mbit/s

95th percentile per-packet one-way delay: 115.067 ms

Loss rate: 2.81%

Run 3: Report of PCC — Data Link

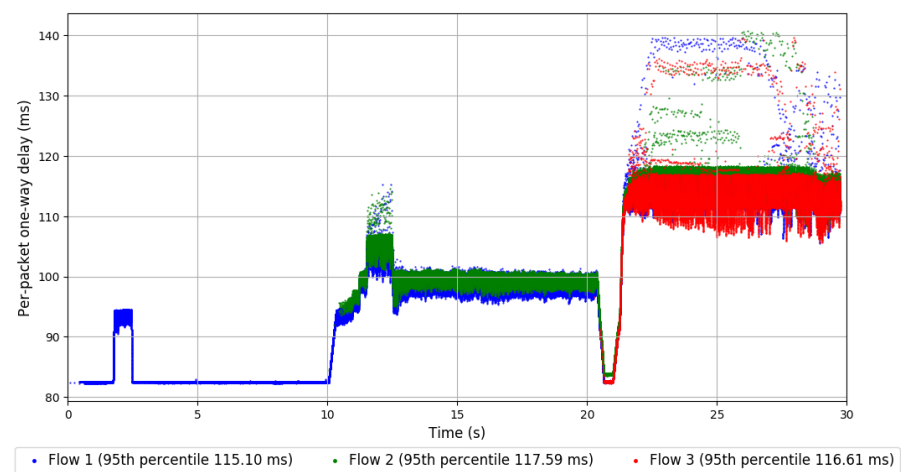
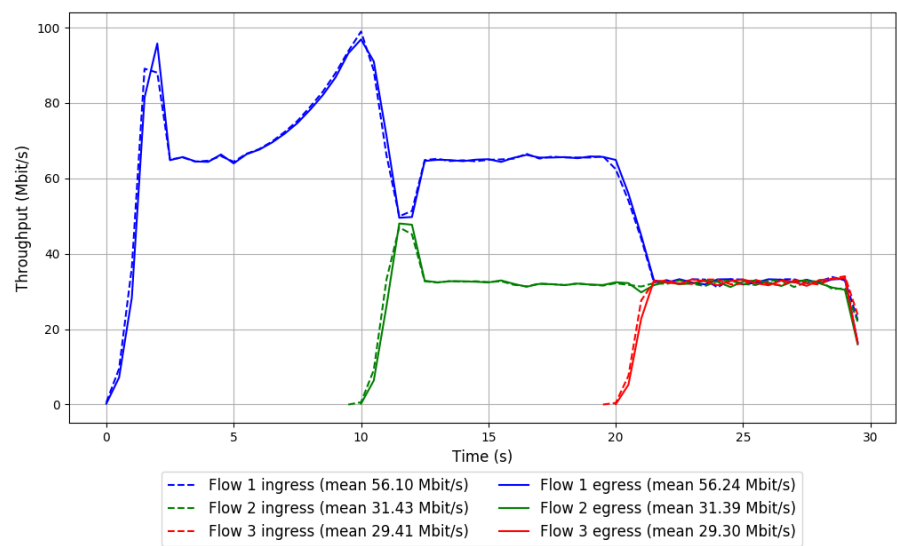


Run 4: Statistics of PCC

Start at: 2018-02-03 20:16:49
End at: 2018-02-03 20:17:19
Local clock offset: -0.189 ms
Remote clock offset: -0.599 ms

Below is generated by plot.py at 2018-02-04 02:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 116.480 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 115.103 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 117.592 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 116.609 ms
Loss rate: 2.57%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-03 20:39:35

End at: 2018-02-03 20:40:05

Local clock offset: -0.082 ms

Remote clock offset: 3.947 ms

Below is generated by plot.py at 2018-02-04 02:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 79.805 ms

Loss rate: 3.23%

-- Flow 1:

Average throughput: 68.30 Mbit/s

95th percentile per-packet one-way delay: 79.371 ms

Loss rate: 3.11%

-- Flow 2:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 79.843 ms

Loss rate: 3.69%

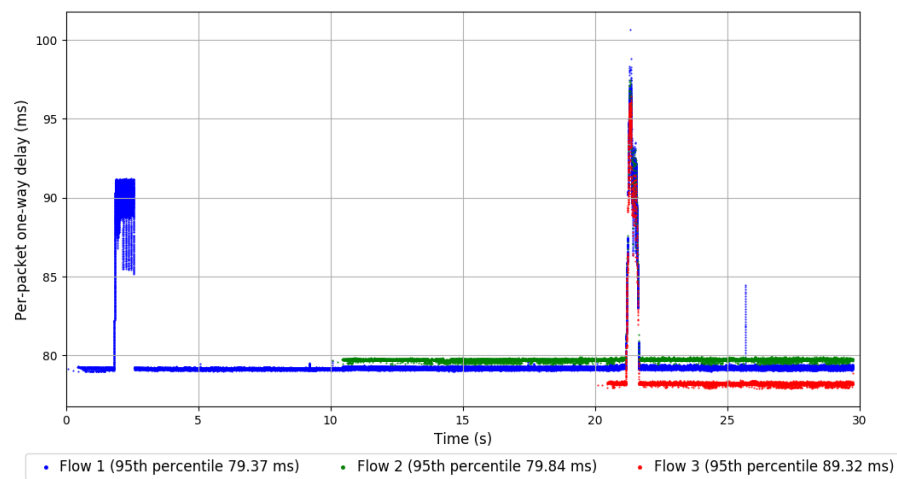
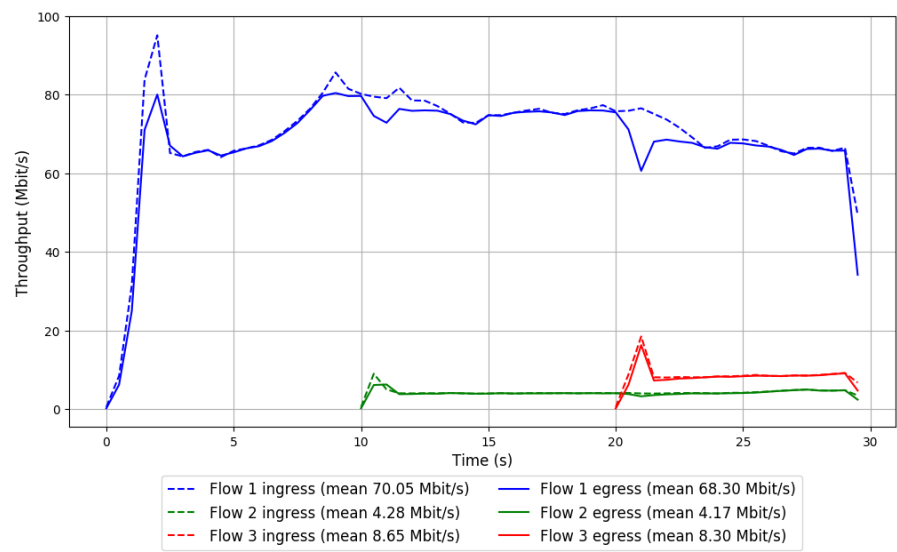
-- Flow 3:

Average throughput: 8.30 Mbit/s

95th percentile per-packet one-way delay: 89.320 ms

Loss rate: 5.85%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-02-03 21:02:10

End at: 2018-02-03 21:02:40

Local clock offset: -0.054 ms

Remote clock offset: 1.926 ms

Below is generated by plot.py at 2018-02-04 02:47:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.50 Mbit/s

95th percentile per-packet one-way delay: 115.908 ms

Loss rate: 2.70%

-- Flow 1:

Average throughput: 56.70 Mbit/s

95th percentile per-packet one-way delay: 115.277 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 32.13 Mbit/s

95th percentile per-packet one-way delay: 116.502 ms

Loss rate: 4.83%

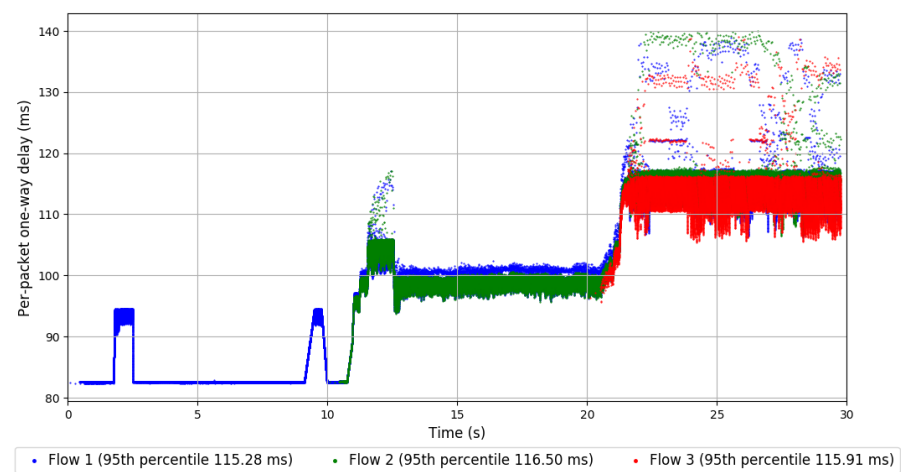
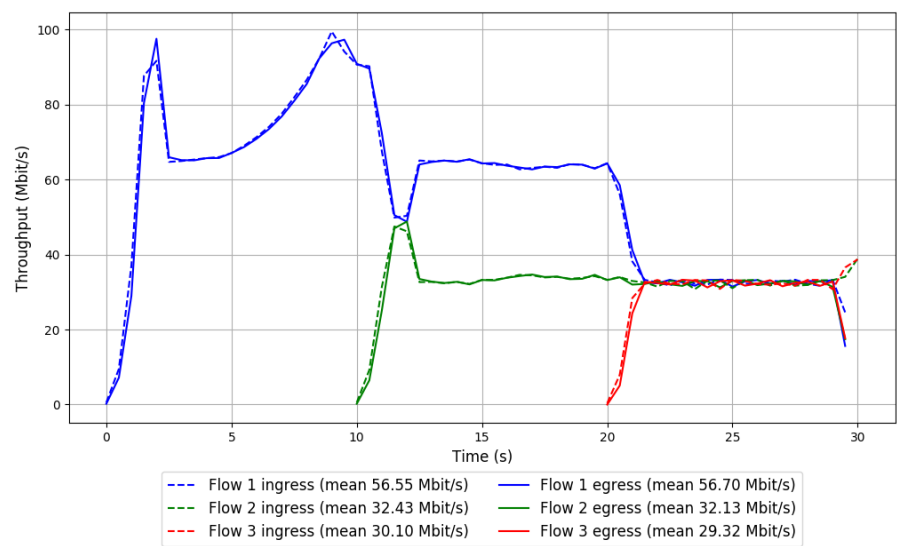
-- Flow 3:

Average throughput: 29.32 Mbit/s

95th percentile per-packet one-way delay: 115.913 ms

Loss rate: 10.18%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-03 21:24:37

End at: 2018-02-03 21:25:07

Local clock offset: -0.037 ms

Remote clock offset: -1.1 ms

Below is generated by plot.py at 2018-02-04 02:47:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 115.749 ms

Loss rate: 4.75%

-- Flow 1:

Average throughput: 57.42 Mbit/s

95th percentile per-packet one-way delay: 114.254 ms

Loss rate: 4.56%

-- Flow 2:

Average throughput: 30.99 Mbit/s

95th percentile per-packet one-way delay: 116.423 ms

Loss rate: 1.20%

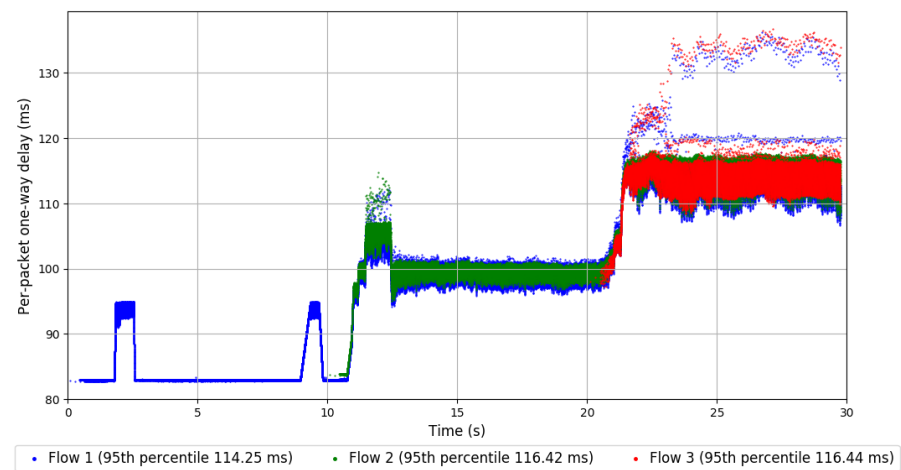
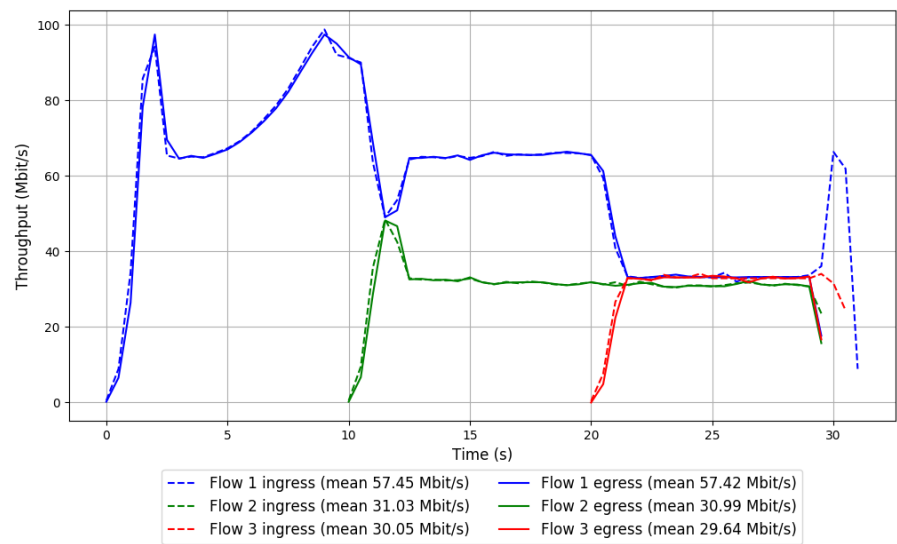
-- Flow 3:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 116.436 ms

Loss rate: 12.44%

Run 7: Report of PCC — Data Link

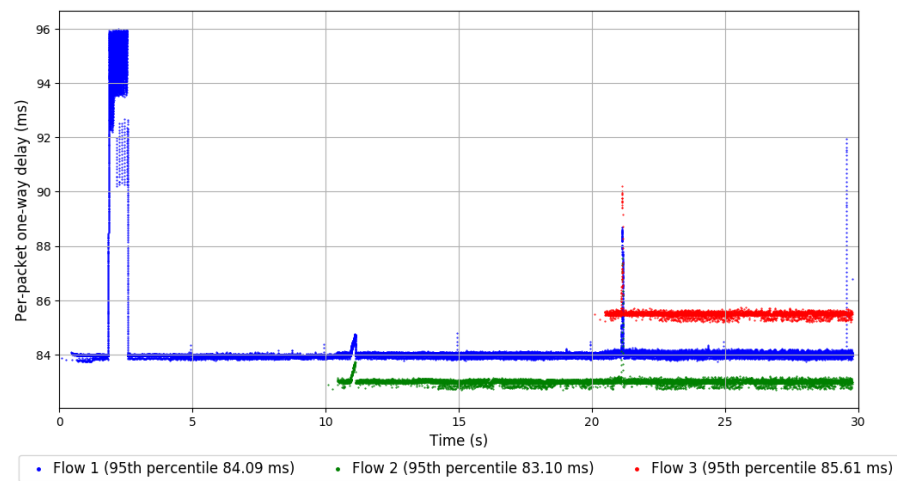
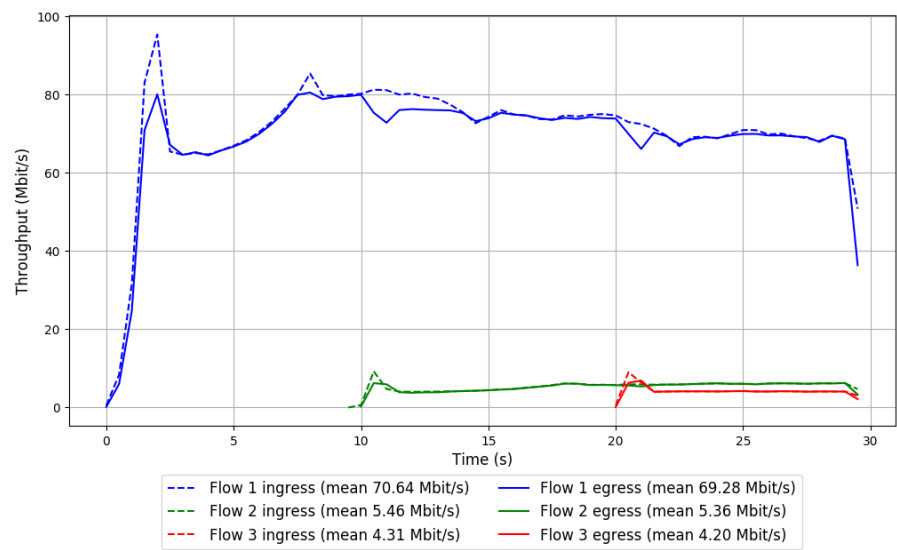


Run 8: Statistics of PCC

Start at: 2018-02-03 21:47:09
End at: 2018-02-03 21:47:39
Local clock offset: -0.05 ms
Remote clock offset: -1.646 ms

Below is generated by plot.py at 2018-02-04 02:47:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.20 Mbit/s
95th percentile per-packet one-way delay: 84.636 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 84.086 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 83.103 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 85.611 ms
Loss rate: 4.34%

Run 8: Report of PCC — Data Link

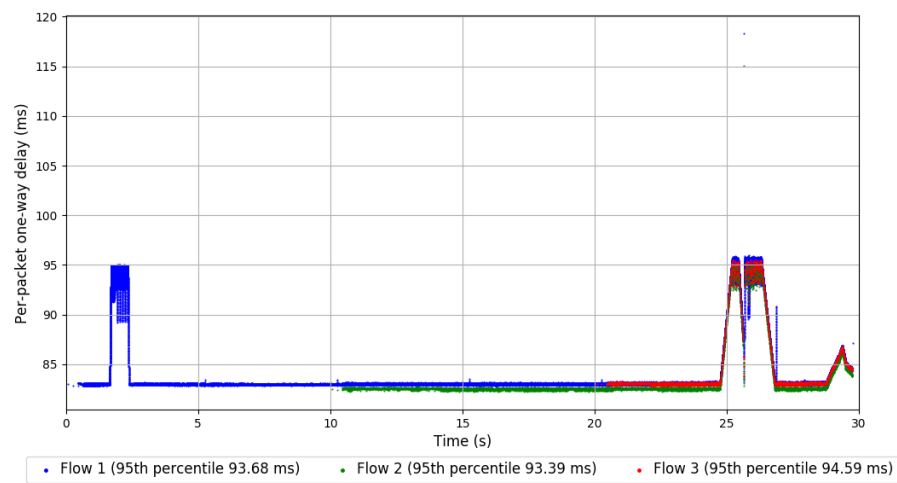
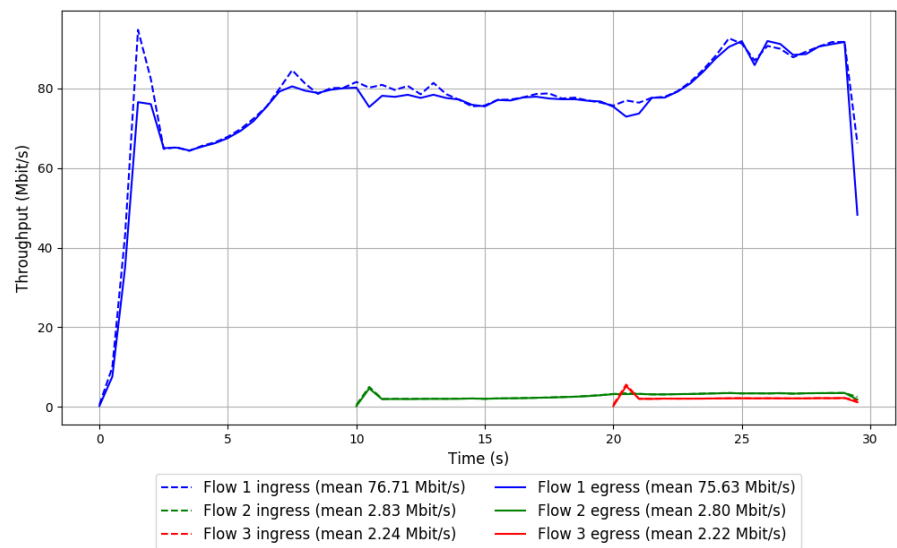


Run 9: Statistics of PCC

Start at: 2018-02-03 22:09:51
End at: 2018-02-03 22:10:21
Local clock offset: -0.039 ms
Remote clock offset: -2.113 ms

Below is generated by plot.py at 2018-02-04 02:48:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 93.691 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 93.680 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 93.386 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 94.593 ms
Loss rate: 2.80%

Run 9: Report of PCC — Data Link

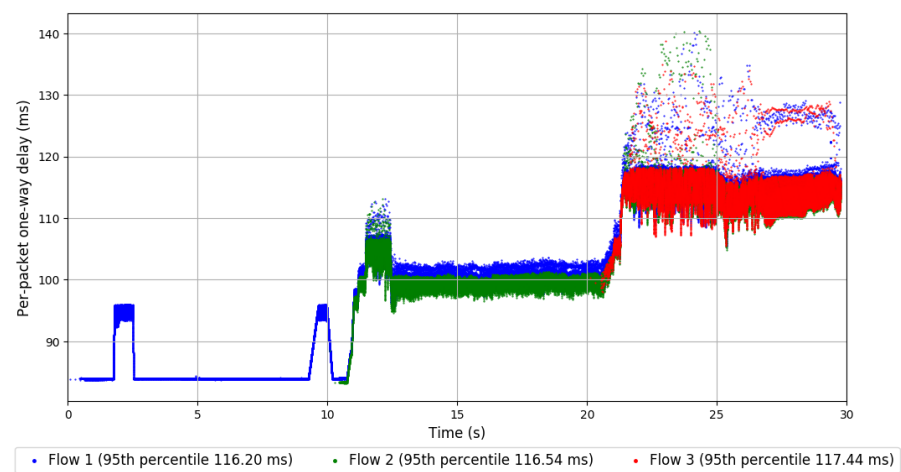
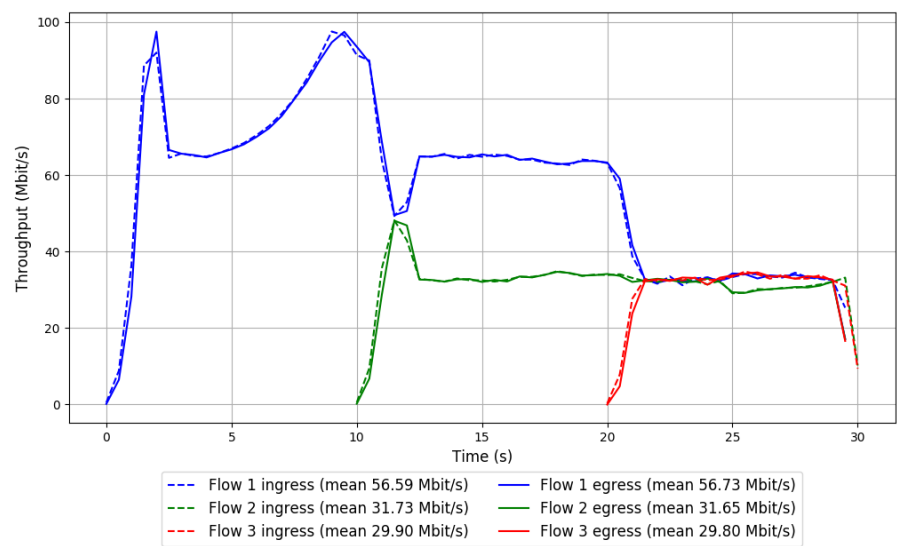


Run 10: Statistics of PCC

Start at: 2018-02-03 22:32:41
End at: 2018-02-03 22:33:11
Local clock offset: -0.114 ms
Remote clock offset: -1.801 ms

Below is generated by plot.py at 2018-02-04 02:48:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 116.562 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 116.200 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 116.539 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 117.441 ms
Loss rate: 5.13%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-02-03 19:22:25

End at: 2018-02-03 19:22:55

Local clock offset: -0.247 ms

Remote clock offset: 3.238 ms

Below is generated by plot.py at 2018-02-04 02:48:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 102.842 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 101.454 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 45.48 Mbit/s

95th percentile per-packet one-way delay: 103.154 ms

Loss rate: 1.09%

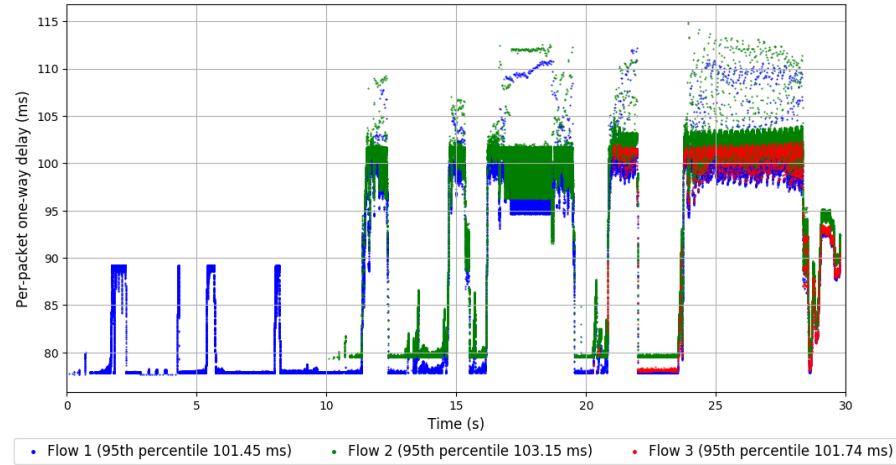
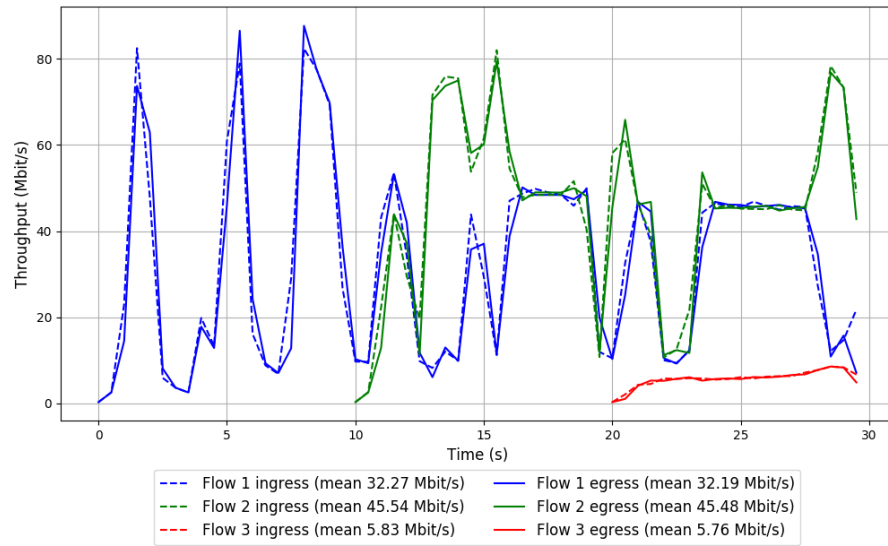
-- Flow 3:

Average throughput: 5.76 Mbit/s

95th percentile per-packet one-way delay: 101.743 ms

Loss rate: 2.93%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-03 19:44:59

End at: 2018-02-03 19:45:29

Local clock offset: -0.229 ms

Remote clock offset: 2.168 ms

Below is generated by plot.py at 2018-02-04 02:48:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.68 Mbit/s

95th percentile per-packet one-way delay: 105.819 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 42.90 Mbit/s

95th percentile per-packet one-way delay: 102.842 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 46.01 Mbit/s

95th percentile per-packet one-way delay: 106.281 ms

Loss rate: 1.05%

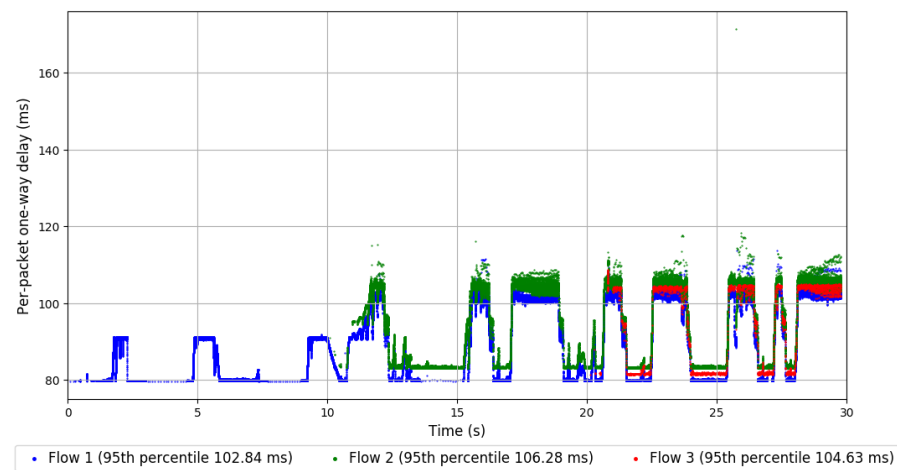
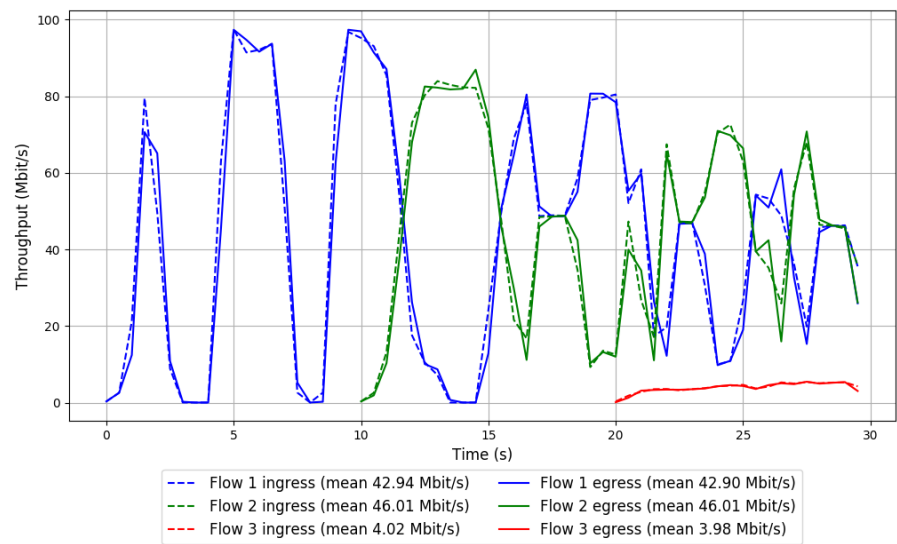
-- Flow 3:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 104.632 ms

Loss rate: 2.86%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-03 20:07:33

End at: 2018-02-03 20:08:03

Local clock offset: -0.188 ms

Remote clock offset: 2.977 ms

Below is generated by plot.py at 2018-02-04 02:48:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.95 Mbit/s

95th percentile per-packet one-way delay: 103.856 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 46.51 Mbit/s

95th percentile per-packet one-way delay: 103.425 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 25.84 Mbit/s

95th percentile per-packet one-way delay: 104.007 ms

Loss rate: 1.56%

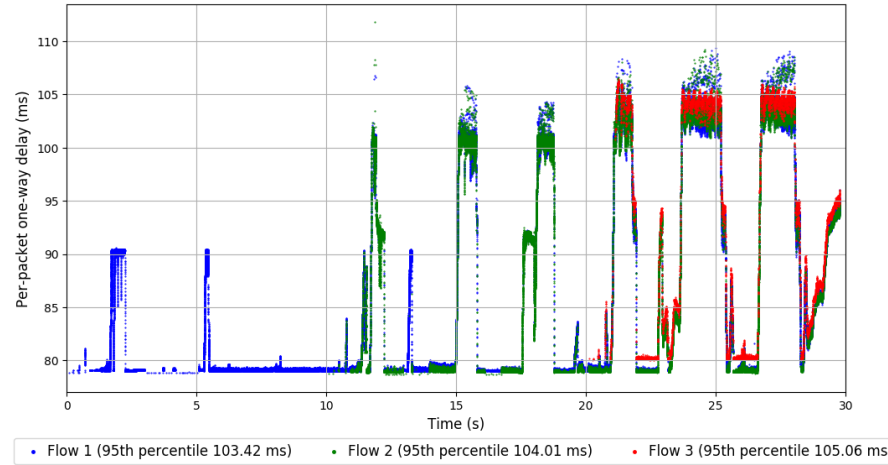
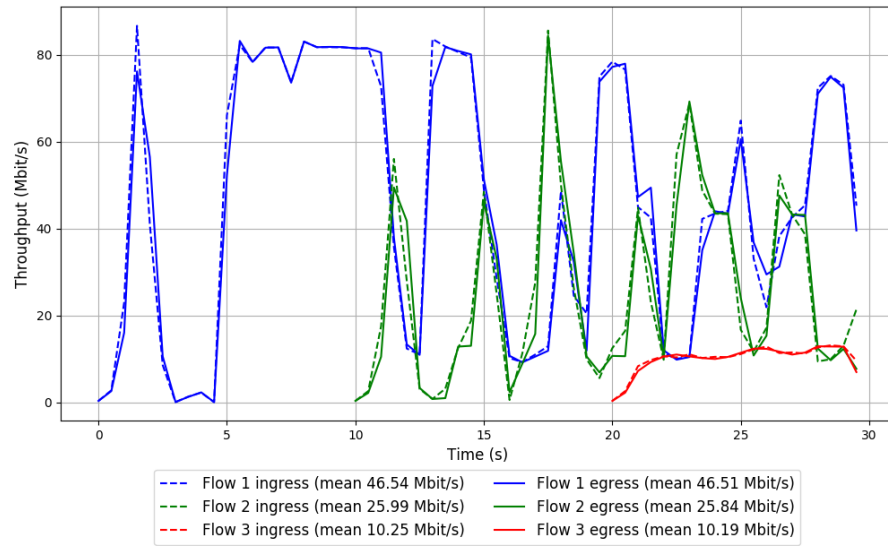
-- Flow 3:

Average throughput: 10.19 Mbit/s

95th percentile per-packet one-way delay: 105.059 ms

Loss rate: 2.46%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-02-03 20:30:20

End at: 2018-02-03 20:30:50

Local clock offset: -0.141 ms

Remote clock offset: 3.168 ms

Below is generated by plot.py at 2018-02-04 02:48:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.55 Mbit/s

95th percentile per-packet one-way delay: 109.197 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 108.325 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 38.48 Mbit/s

95th percentile per-packet one-way delay: 109.862 ms

Loss rate: 0.98%

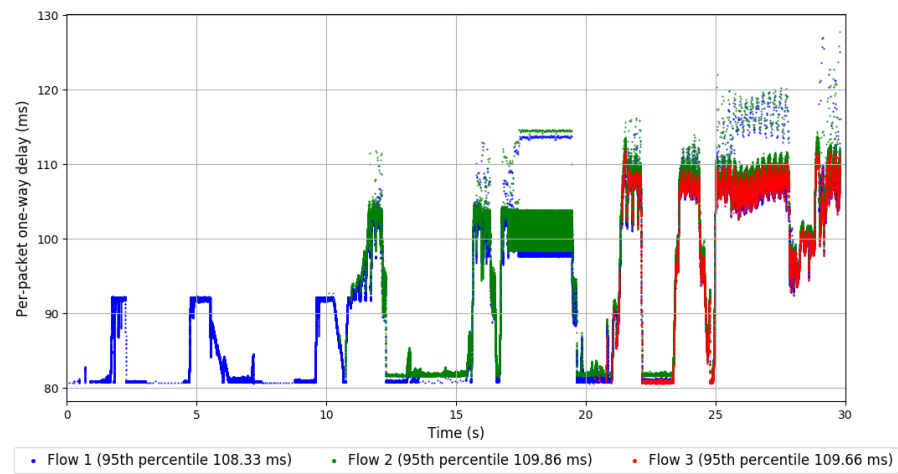
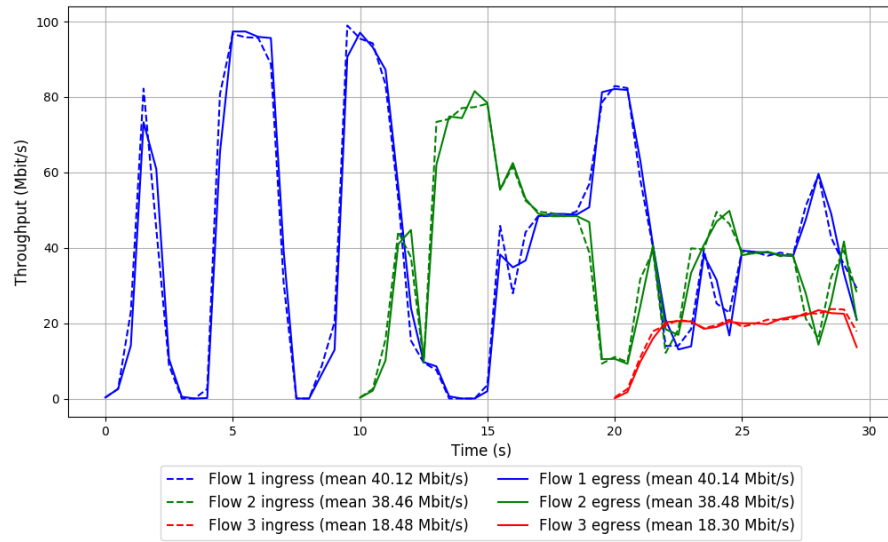
-- Flow 3:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 109.662 ms

Loss rate: 2.80%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-03 20:52:55

End at: 2018-02-03 20:53:25

Local clock offset: -0.127 ms

Remote clock offset: 3.764 ms

Below is generated by plot.py at 2018-02-04 02:48:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.47 Mbit/s

95th percentile per-packet one-way delay: 102.960 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 39.62 Mbit/s

95th percentile per-packet one-way delay: 102.025 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 45.44 Mbit/s

95th percentile per-packet one-way delay: 103.364 ms

Loss rate: 1.01%

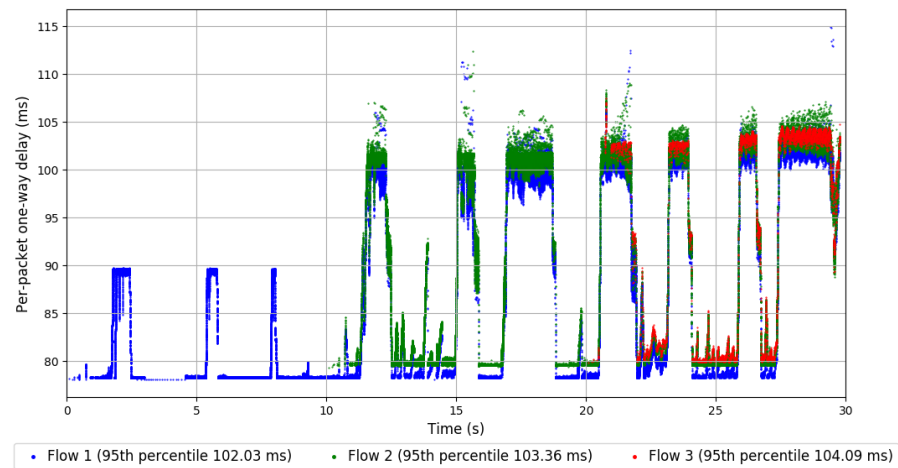
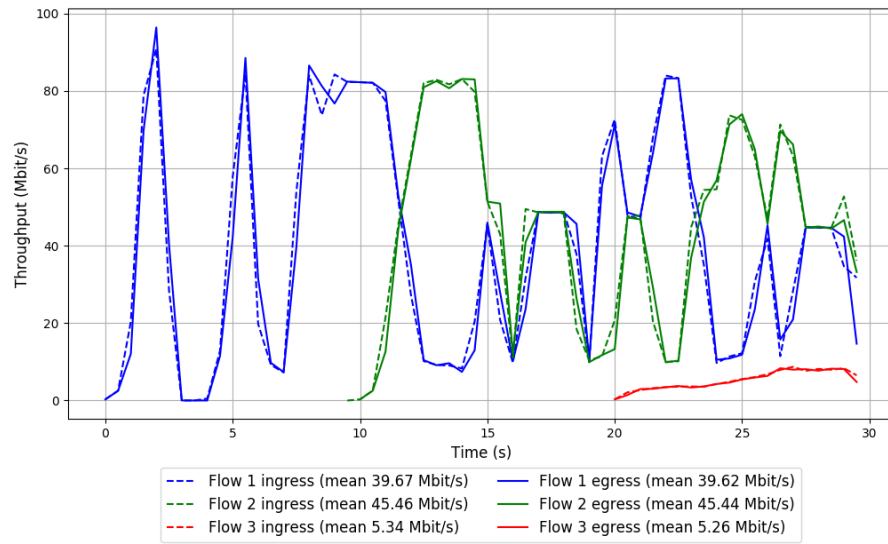
-- Flow 3:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: 104.086 ms

Loss rate: 3.30%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-03 21:15:25

End at: 2018-02-03 21:15:55

Local clock offset: -0.048 ms

Remote clock offset: 1.775 ms

Below is generated by plot.py at 2018-02-04 02:48:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 112.129 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 36.27 Mbit/s

95th percentile per-packet one-way delay: 108.884 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 39.80 Mbit/s

95th percentile per-packet one-way delay: 111.488 ms

Loss rate: 1.24%

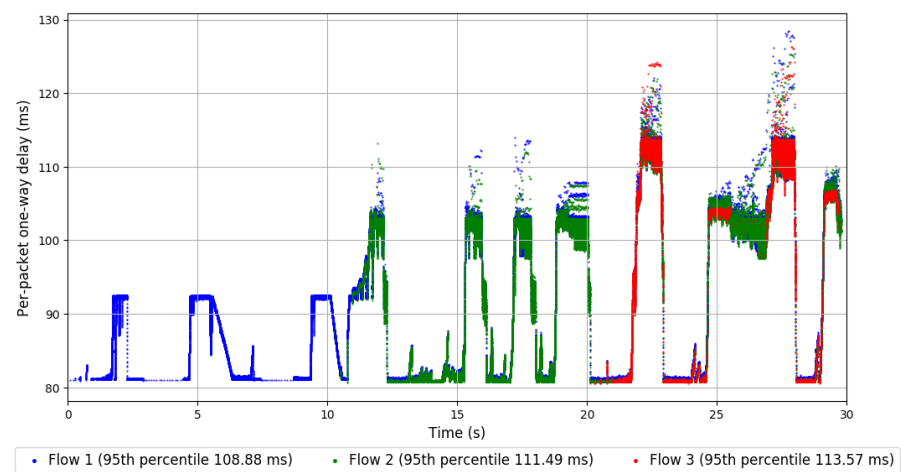
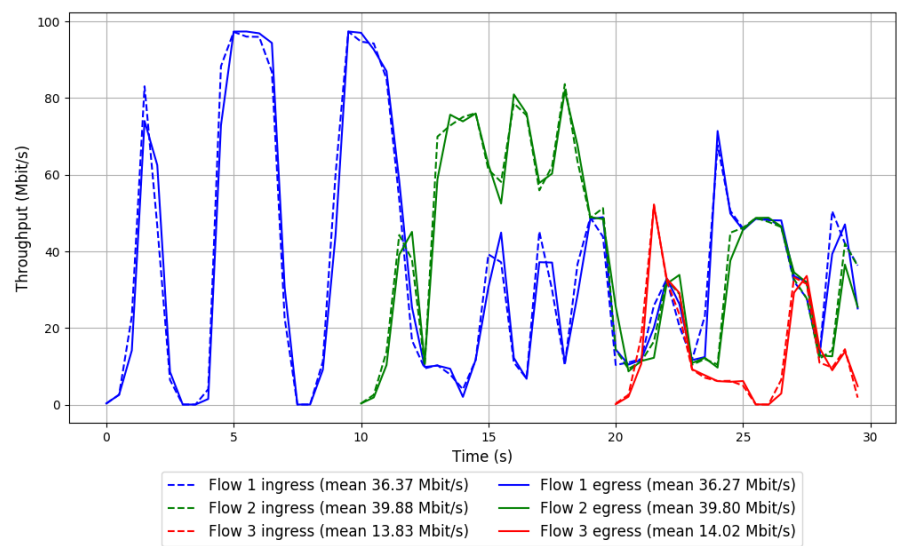
-- Flow 3:

Average throughput: 14.02 Mbit/s

95th percentile per-packet one-way delay: 113.571 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

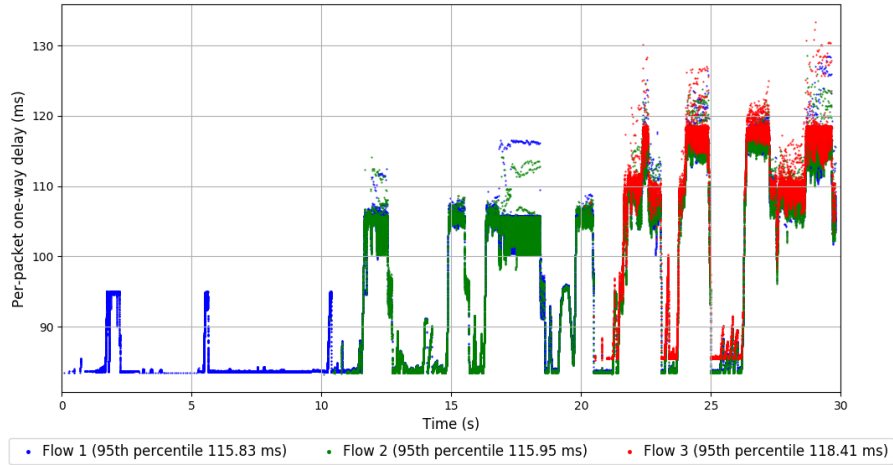
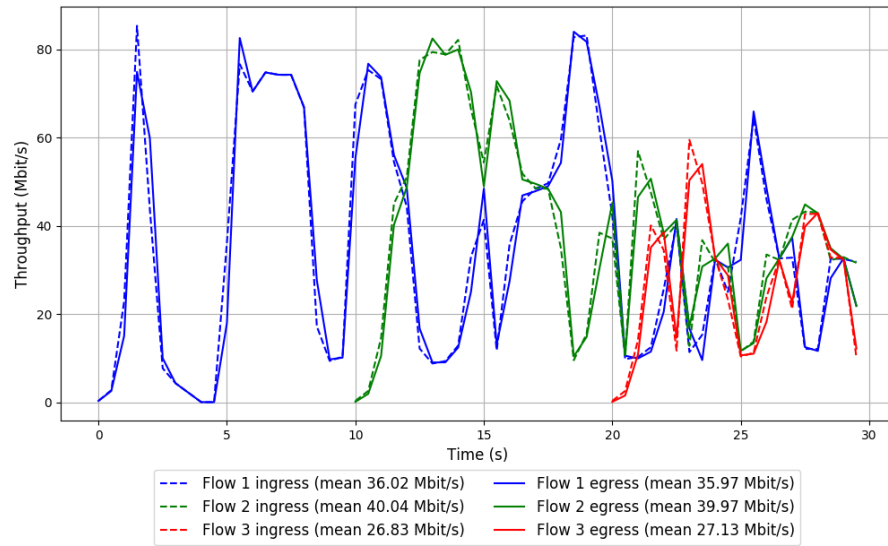


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-03 21:37:54
End at: 2018-02-03 21:38:24
Local clock offset: -0.035 ms
Remote clock offset: -2.354 ms

Below is generated by plot.py at 2018-02-04 02:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.26 Mbit/s
95th percentile per-packet one-way delay: 116.459 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 115.832 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 115.955 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 118.414 ms
Loss rate: 1.07%

Run 7: Report of QUIC Cubic — Data Link

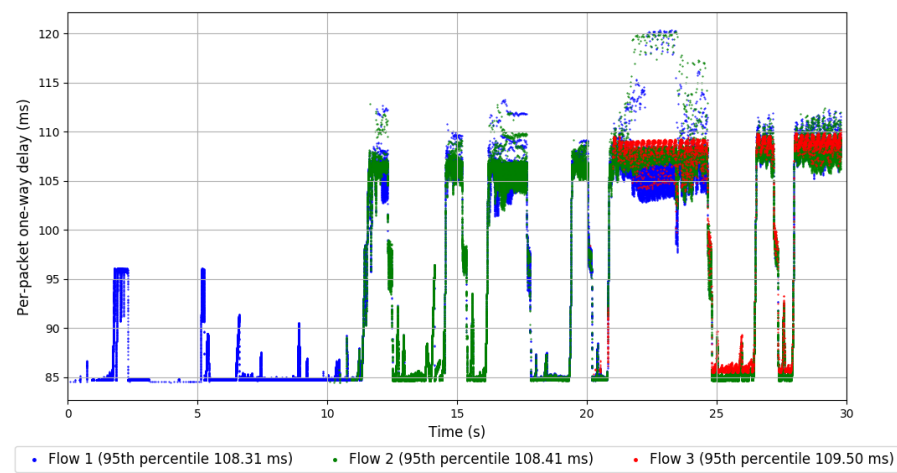
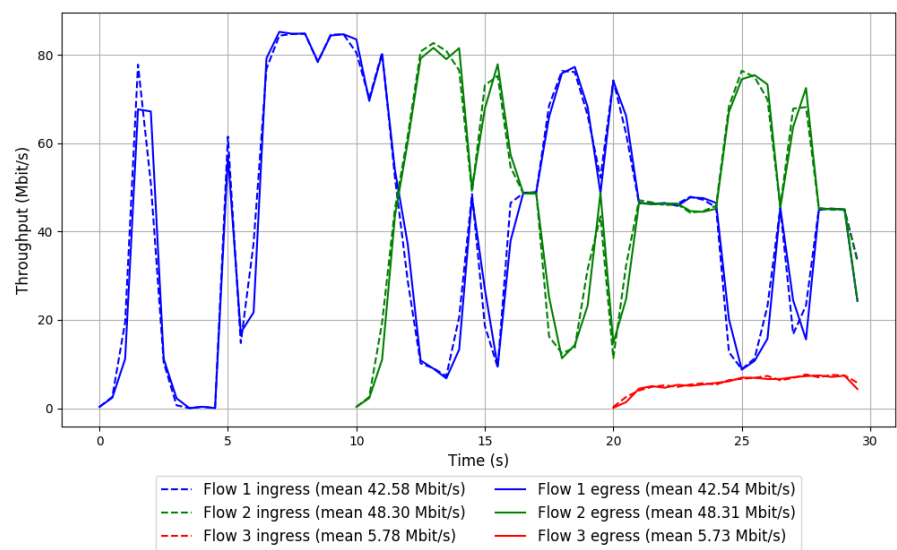


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-03 22:00:35
End at: 2018-02-03 22:01:05
Local clock offset: -0.053 ms
Remote clock offset: -1.978 ms

Below is generated by plot.py at 2018-02-04 02:49:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 108.461 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 108.312 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 108.411 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 109.496 ms
Loss rate: 2.80%

Run 8: Report of QUIC Cubic — Data Link

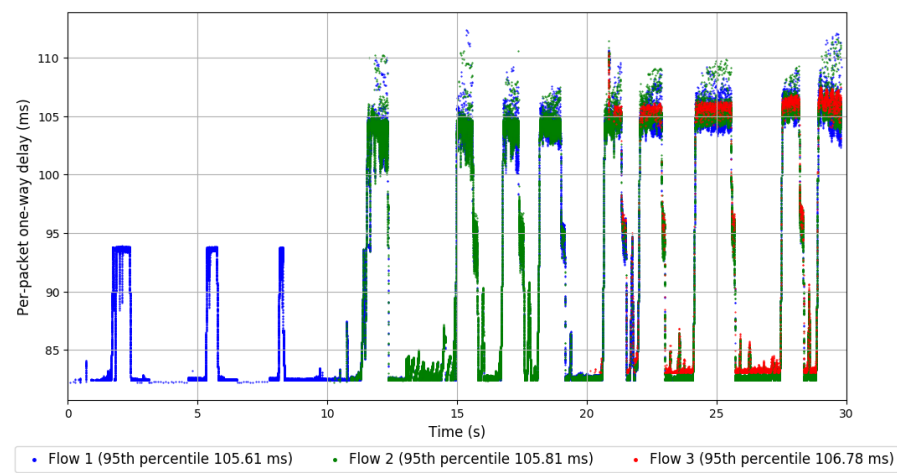
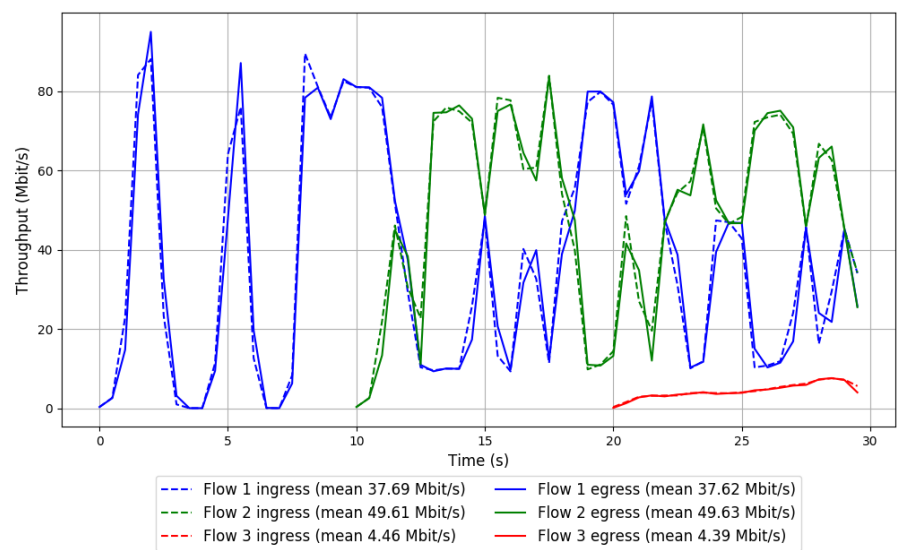


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-03 22:23:22
End at: 2018-02-03 22:23:52
Local clock offset: -0.089 ms
Remote clock offset: -1.806 ms

Below is generated by plot.py at 2018-02-04 02:49:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.94 Mbit/s
95th percentile per-packet one-way delay: 105.773 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 105.615 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 49.63 Mbit/s
95th percentile per-packet one-way delay: 105.805 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 106.785 ms
Loss rate: 3.48%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-03 22:46:00

End at: 2018-02-03 22:46:30

Local clock offset: -0.063 ms

Remote clock offset: 1.635 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.03 Mbit/s

95th percentile per-packet one-way delay: 113.012 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 110.796 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 114.072 ms

Loss rate: 1.08%

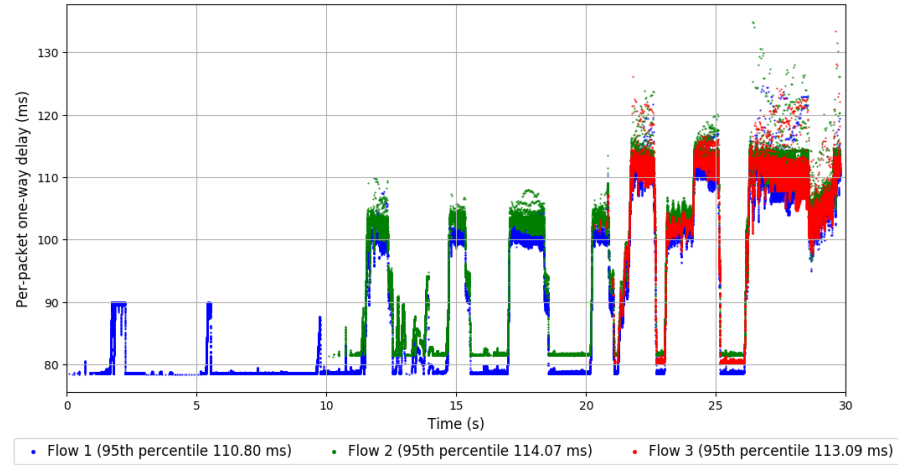
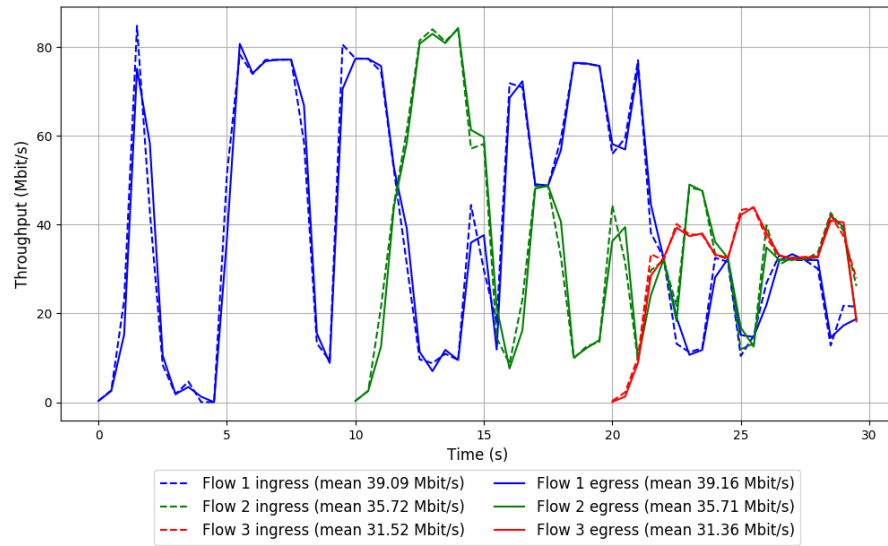
-- Flow 3:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 113.090 ms

Loss rate: 2.49%

Run 10: Report of QUIC Cubic — Data Link

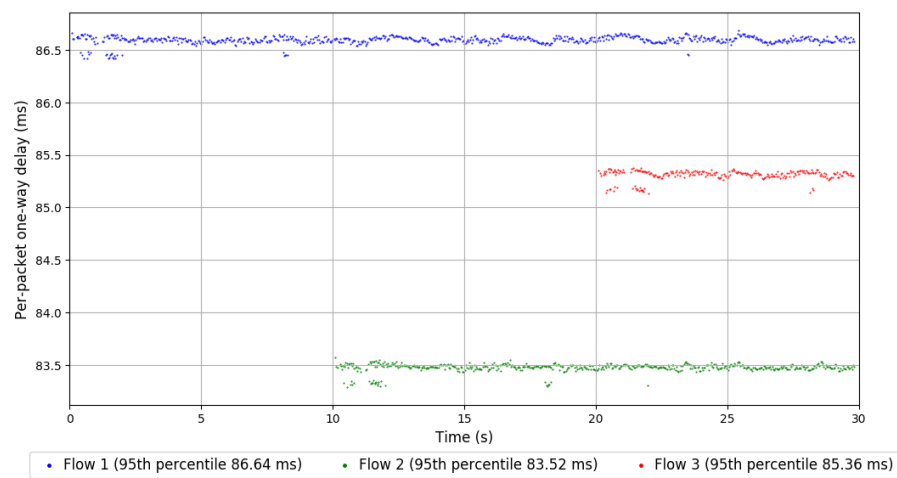
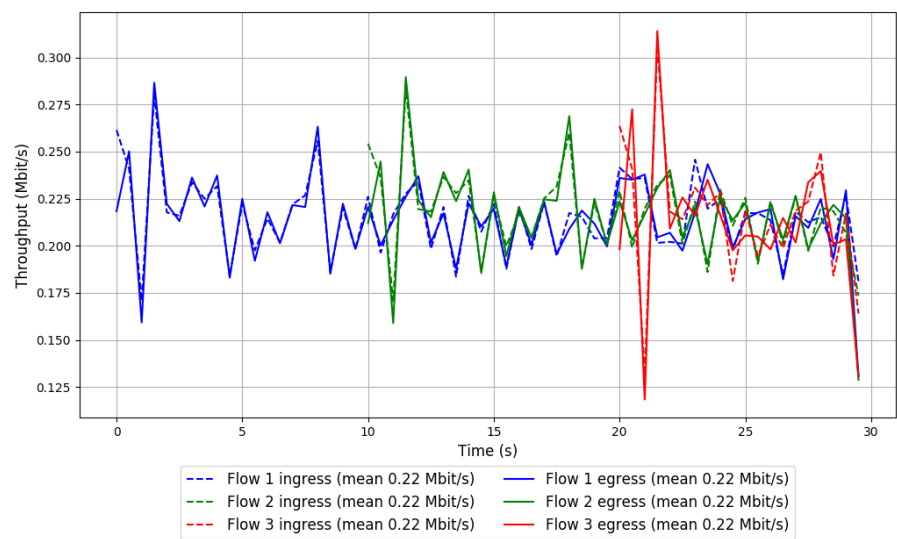


Run 1: Statistics of SReAM

Start at: 2018-02-03 19:15:54
End at: 2018-02-03 19:16:24
Local clock offset: -0.341 ms
Remote clock offset: -2.209 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.632 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.641 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.520 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.357 ms
Loss rate: 1.86%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-02-03 19:38:27

End at: 2018-02-03 19:38:57

Local clock offset: -0.29 ms

Remote clock offset: -0.88 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 84.414 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.421 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.028 ms

Loss rate: 0.84%

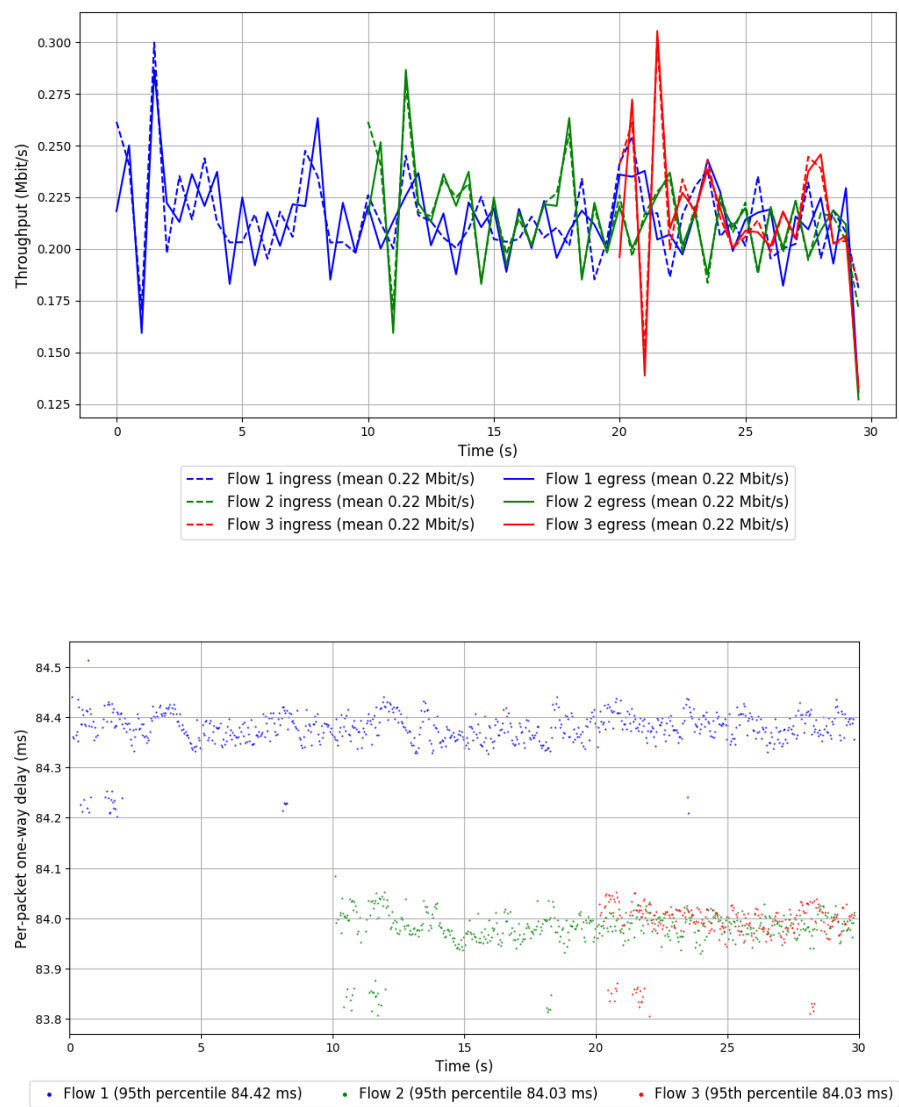
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.035 ms

Loss rate: 1.87%

Run 2: Report of SReAM — Data Link

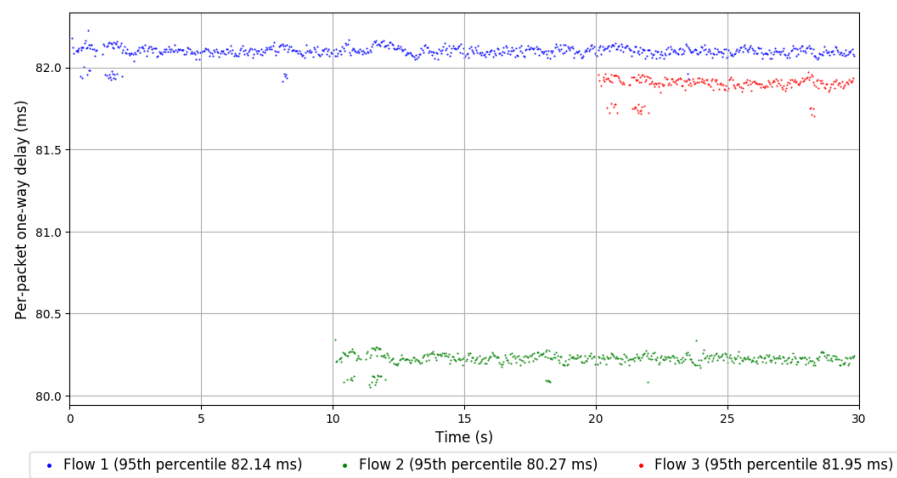
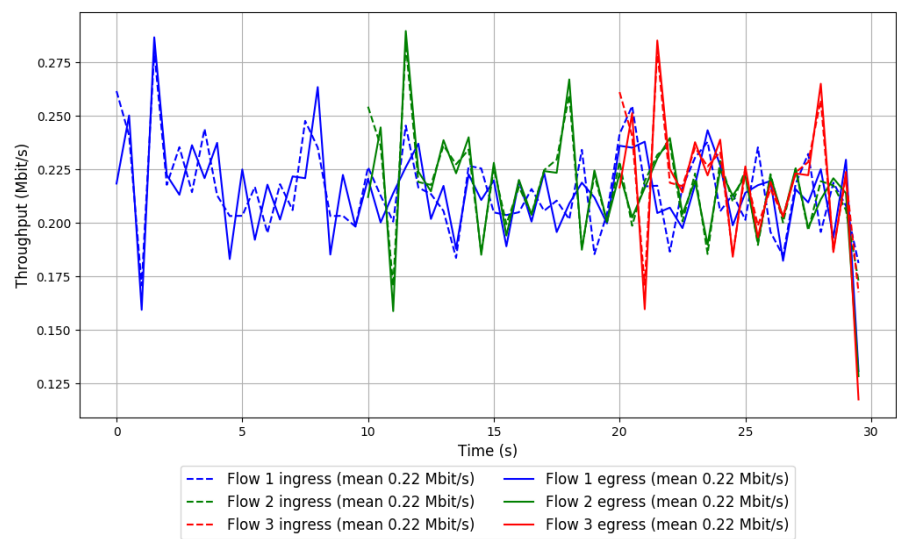


Run 3: Statistics of SReAM

Start at: 2018-02-03 20:01:01
End at: 2018-02-03 20:01:31
Local clock offset: -0.198 ms
Remote clock offset: 3.104 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 82.132 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.139 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.267 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.946 ms
Loss rate: 1.87%

Run 3: Report of SCRaM — Data Link

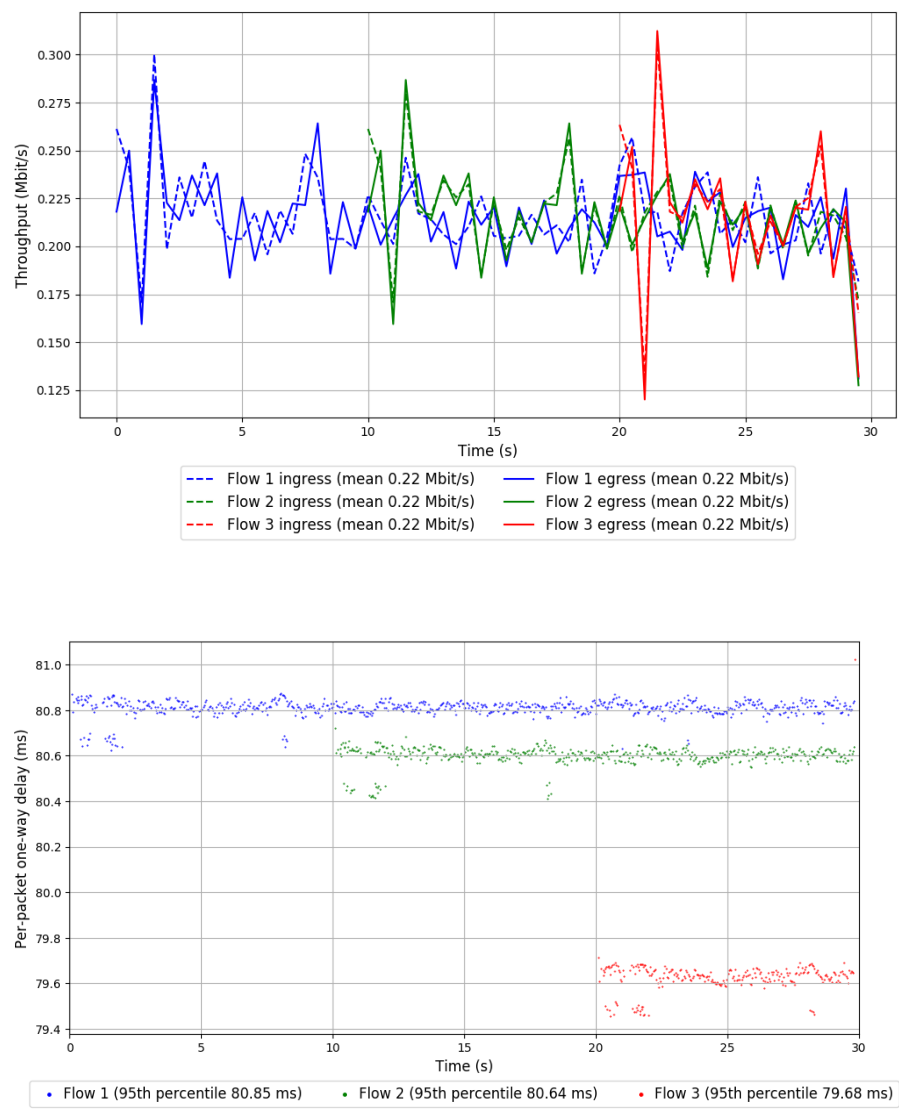


Run 4: Statistics of SReAM

Start at: 2018-02-03 20:23:50
End at: 2018-02-03 20:24:20
Local clock offset: -0.161 ms
Remote clock offset: 4.016 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 80.844 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.852 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.644 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.681 ms
Loss rate: 1.49%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-03 20:46:23

End at: 2018-02-03 20:46:53

Local clock offset: -0.133 ms

Remote clock offset: 3.768 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 81.126 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 81.136 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.893 ms

Loss rate: 0.85%

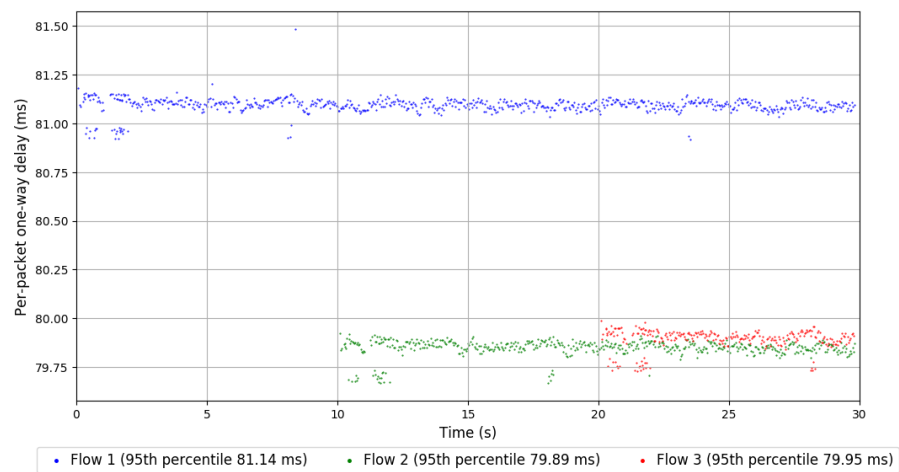
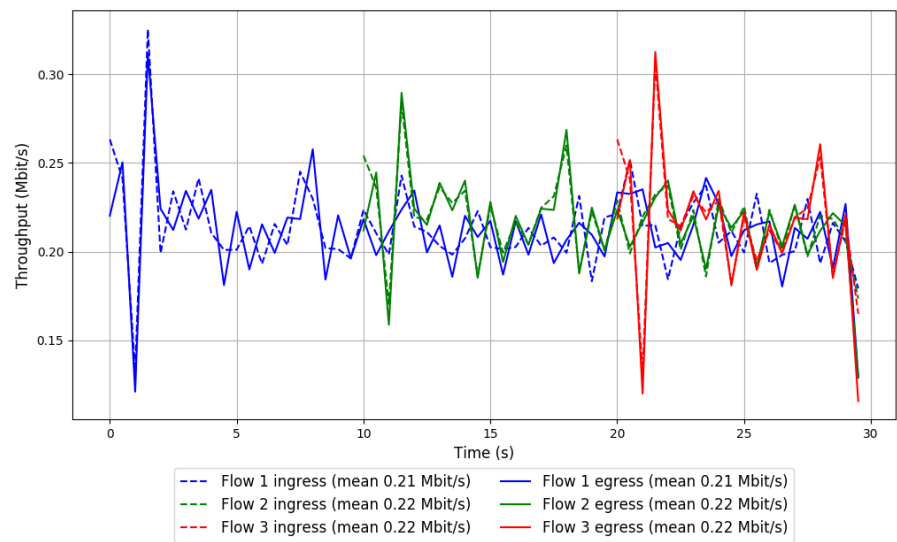
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.950 ms

Loss rate: 1.86%

Run 5: Report of SReAM — Data Link

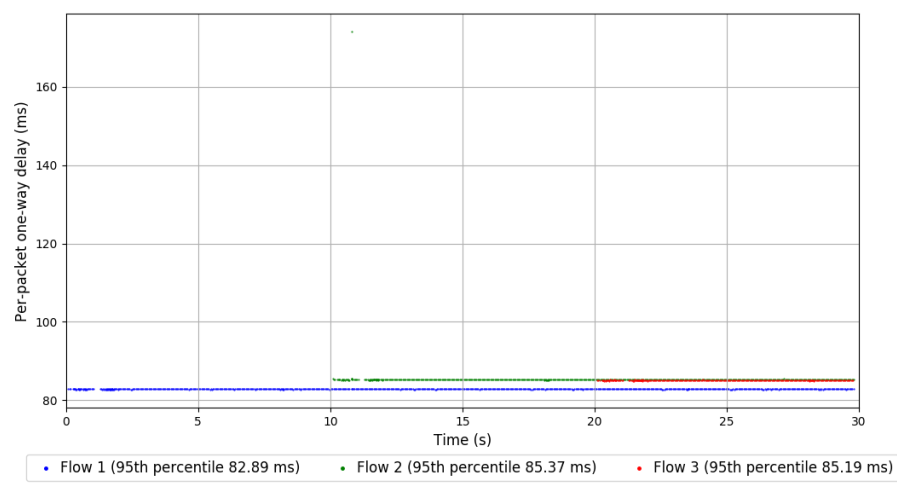
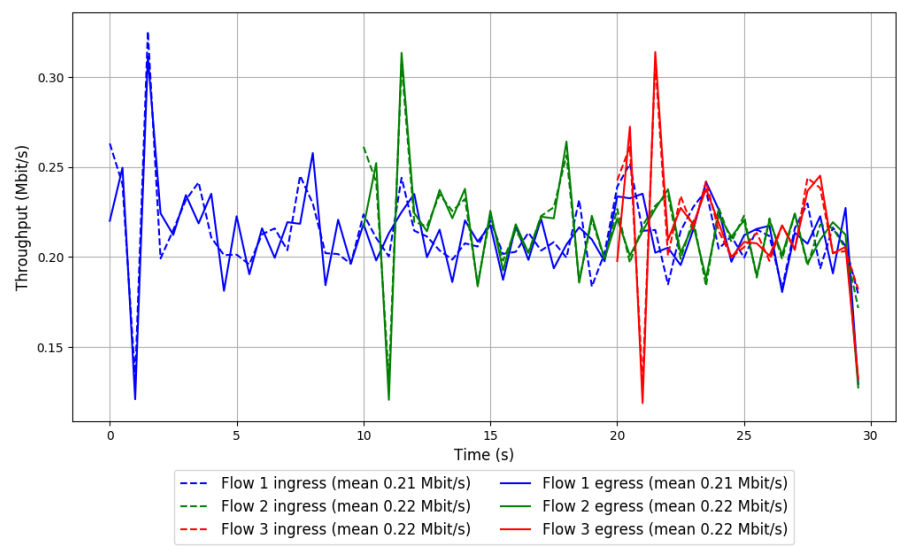


Run 6: Statistics of SReAM

Start at: 2018-02-03 21:08:56
End at: 2018-02-03 21:09:26
Local clock offset: -0.107 ms
Remote clock offset: -0.926 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.356 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 82.886 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.373 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.188 ms
Loss rate: 1.87%

Run 6: Report of SReAM — Data Link

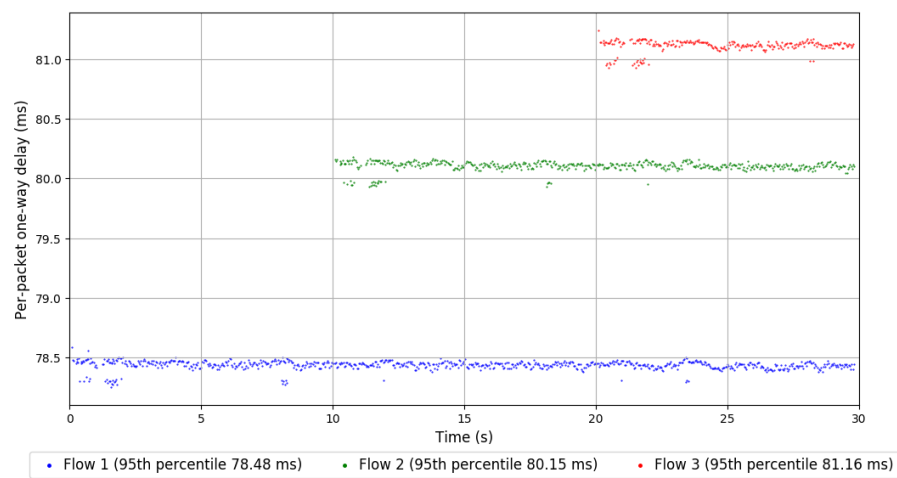
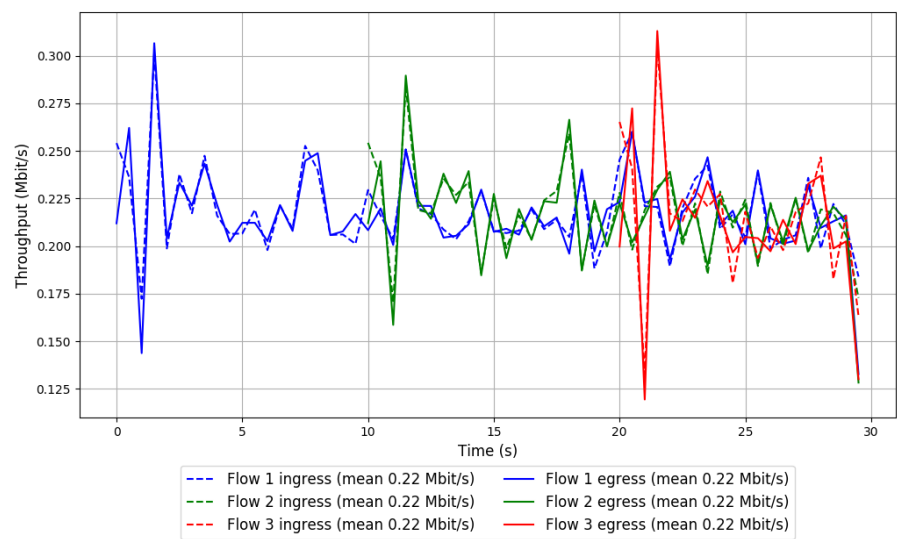


Run 7: Statistics of SReAM

Start at: 2018-02-03 21:31:23
End at: 2018-02-03 21:31:53
Local clock offset: -0.038 ms
Remote clock offset: 3.266 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 81.137 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.480 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.152 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.162 ms
Loss rate: 1.86%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-02-03 21:54:02

End at: 2018-02-03 21:54:32

Local clock offset: -0.05 ms

Remote clock offset: 1.08 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 82.405 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.132 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.422 ms

Loss rate: 0.84%

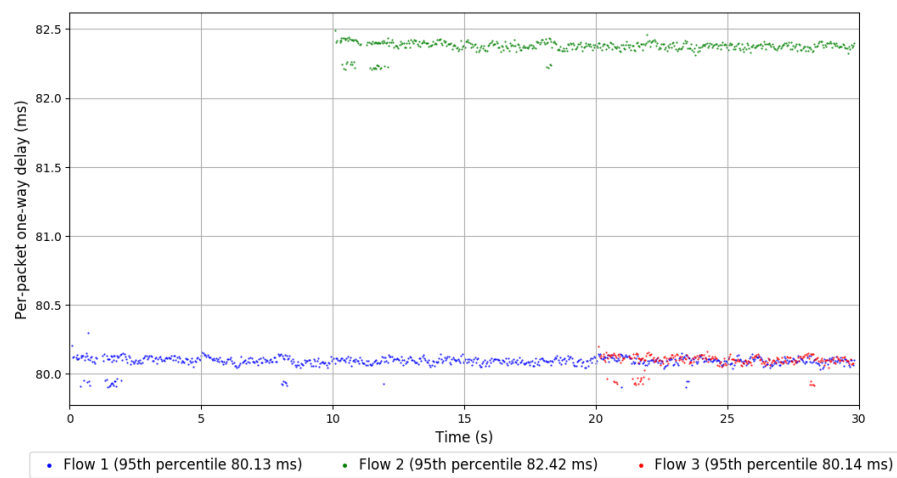
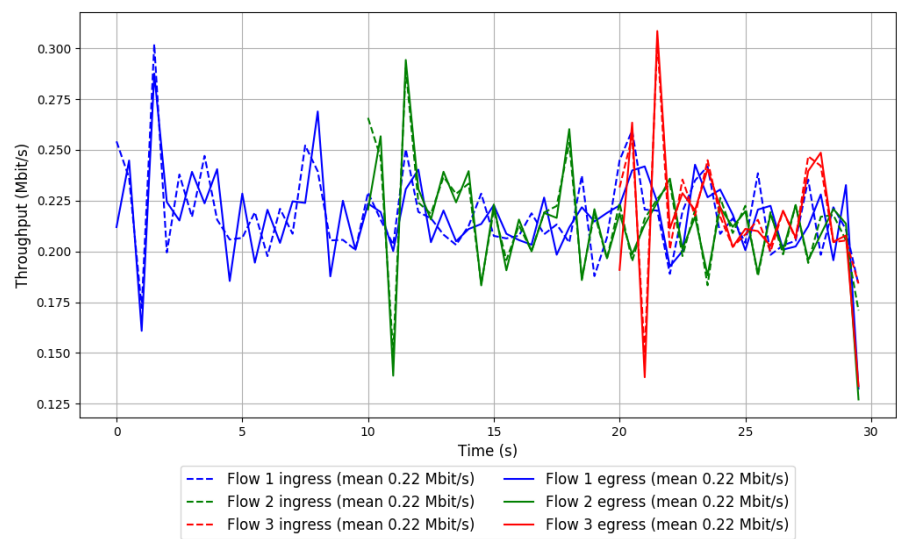
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.142 ms

Loss rate: 1.87%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-02-03 22:16:49

End at: 2018-02-03 22:17:19

Local clock offset: -0.076 ms

Remote clock offset: 0.65 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 81.272 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.281 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.146 ms

Loss rate: 0.85%

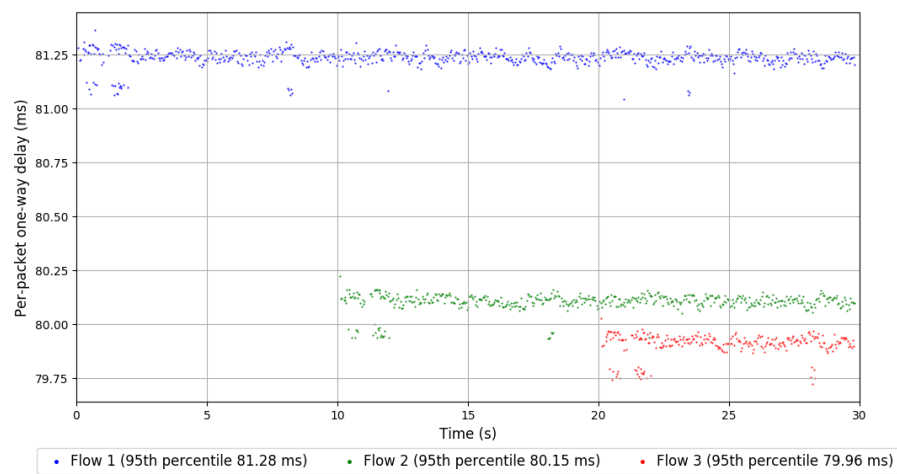
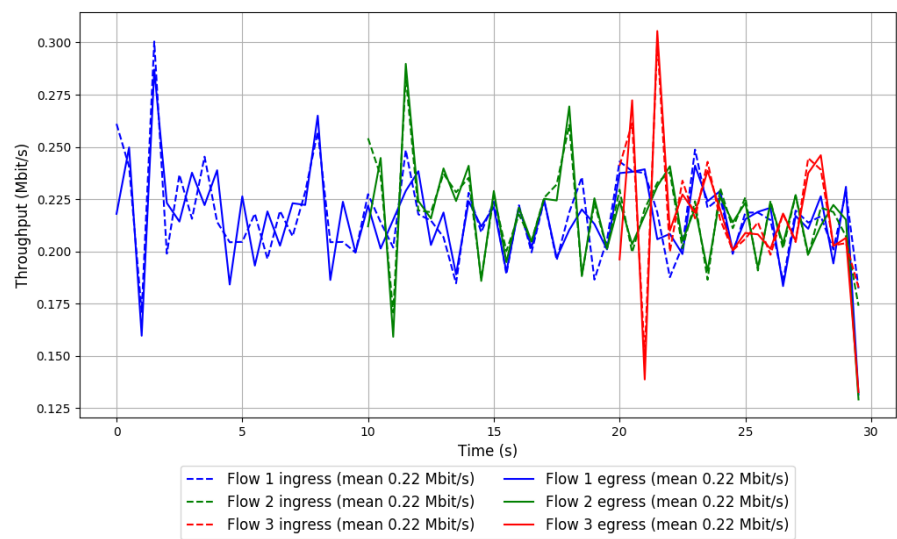
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.964 ms

Loss rate: 1.86%

Run 9: Report of SReAM — Data Link

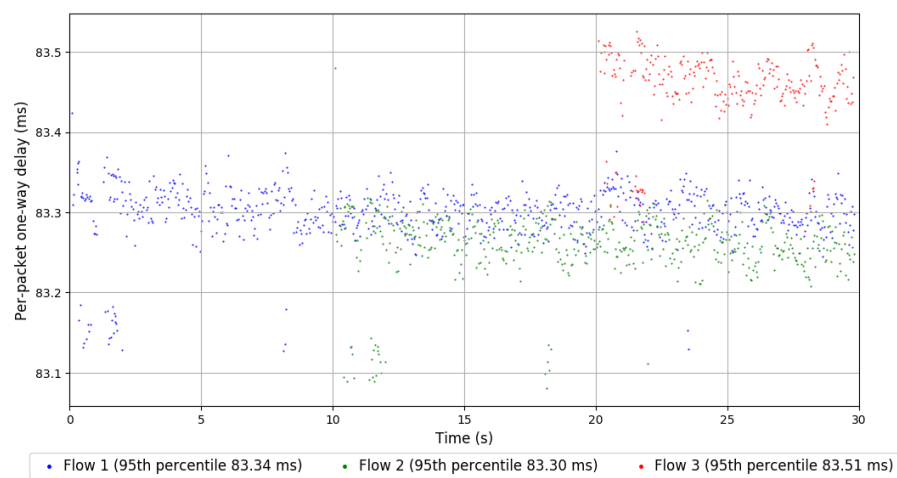
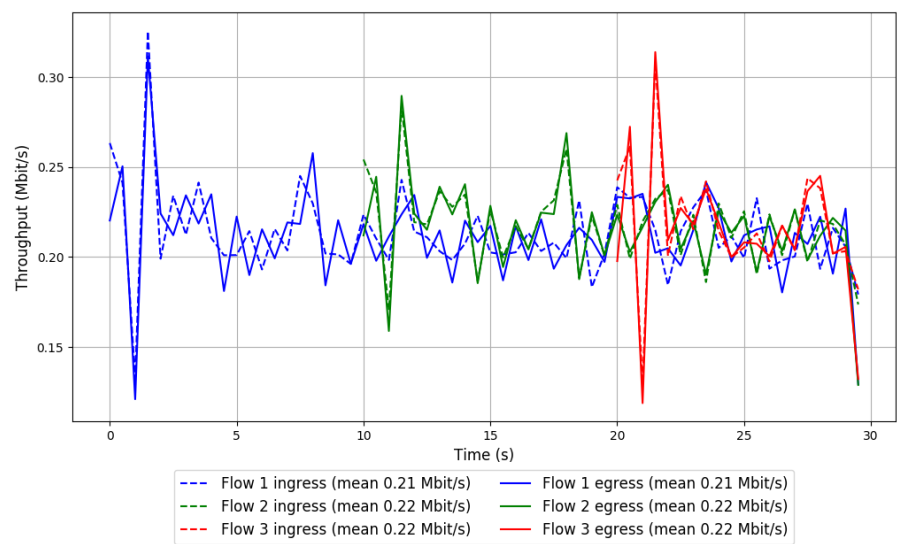


Run 10: Statistics of SReAM

Start at: 2018-02-03 22:39:29
End at: 2018-02-03 22:39:59
Local clock offset: -0.084 ms
Remote clock offset: -3.025 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 83.479 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 83.340 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.303 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.507 ms
Loss rate: 1.87%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-02-03 19:21:10

End at: 2018-02-03 19:21:40

Local clock offset: -0.307 ms

Remote clock offset: 1.55 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 82.241 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 80.333 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 82.505 ms

Loss rate: 0.86%

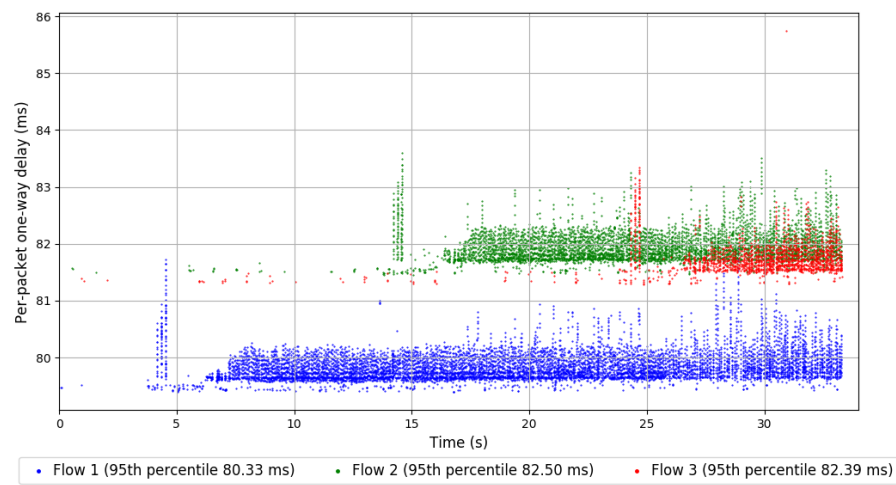
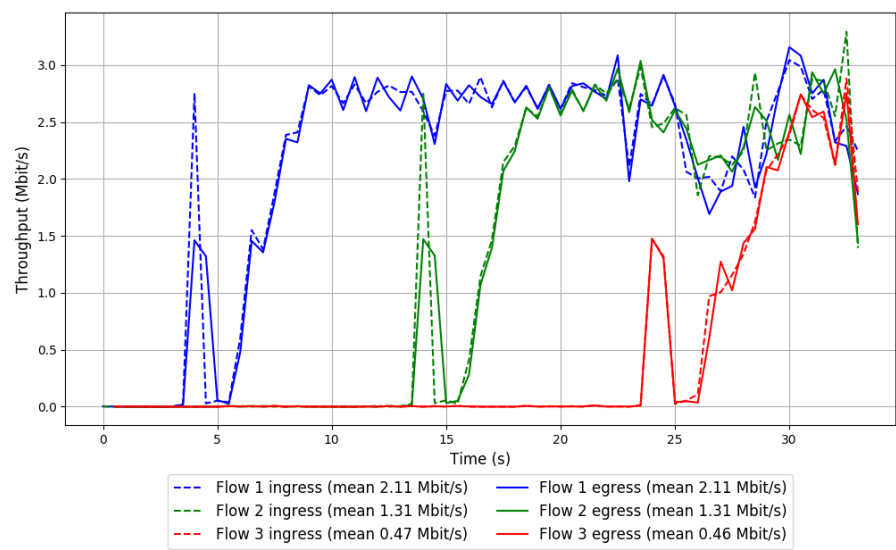
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 82.394 ms

Loss rate: 2.52%

Run 1: Report of WebRTC media — Data Link

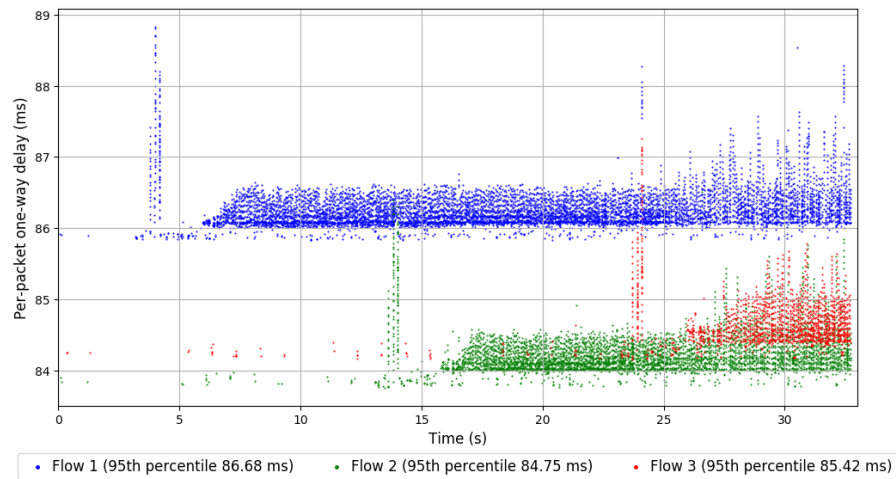
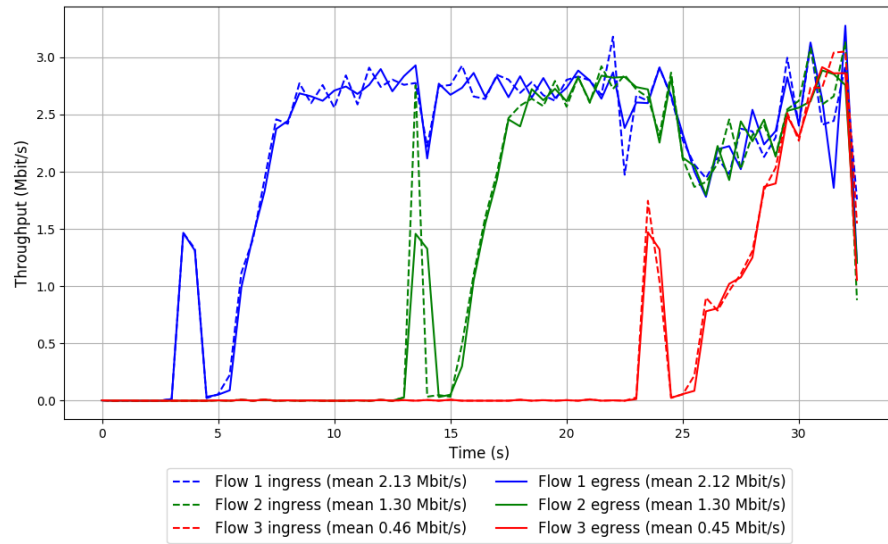


Run 2: Statistics of WebRTC media

Start at: 2018-02-03 19:43:44
End at: 2018-02-03 19:44:14
Local clock offset: -0.208 ms
Remote clock offset: -0.717 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 86.537 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 86.676 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 84.751 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 85.417 ms
Loss rate: 3.84%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-03 20:06:18

End at: 2018-02-03 20:06:48

Local clock offset: -0.187 ms

Remote clock offset: 3.069 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 81.038 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 81.074 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 81.065 ms

Loss rate: 0.89%

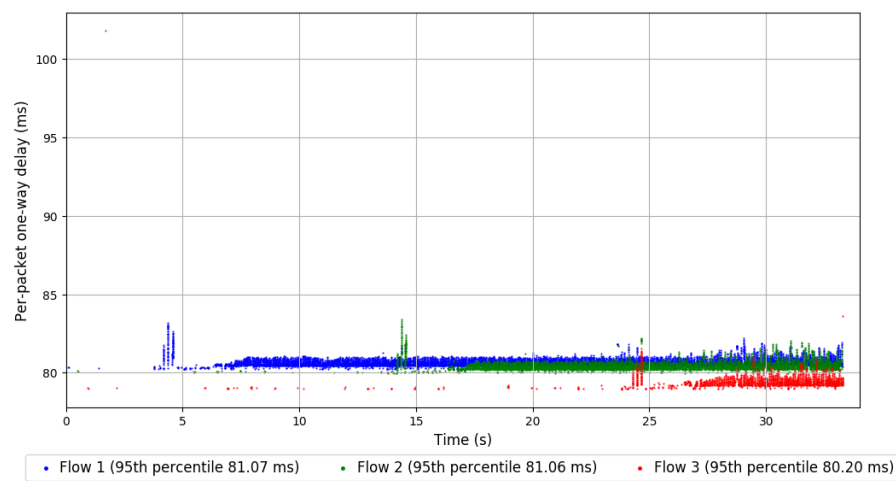
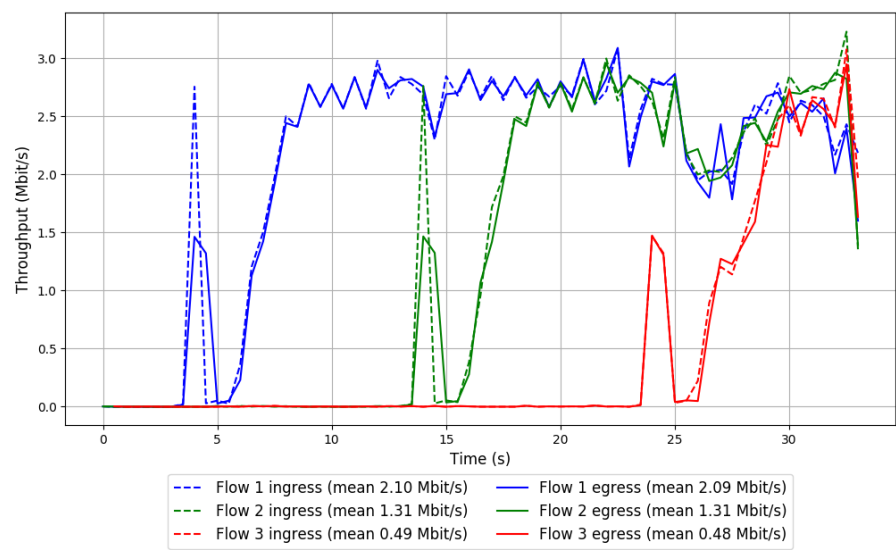
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 80.200 ms

Loss rate: 2.85%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-03 20:29:06

End at: 2018-02-03 20:29:36

Local clock offset: -0.115 ms

Remote clock offset: 3.955 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 79.278 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 80.895 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 78.553 ms

Loss rate: 0.84%

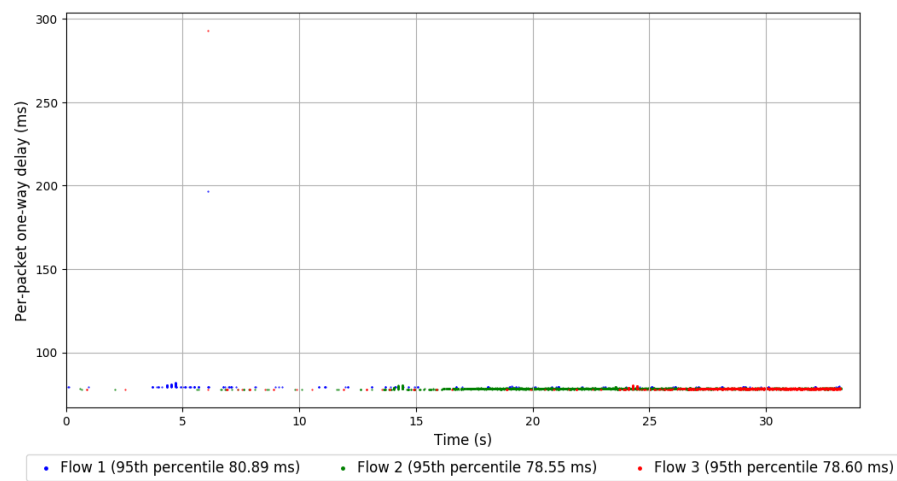
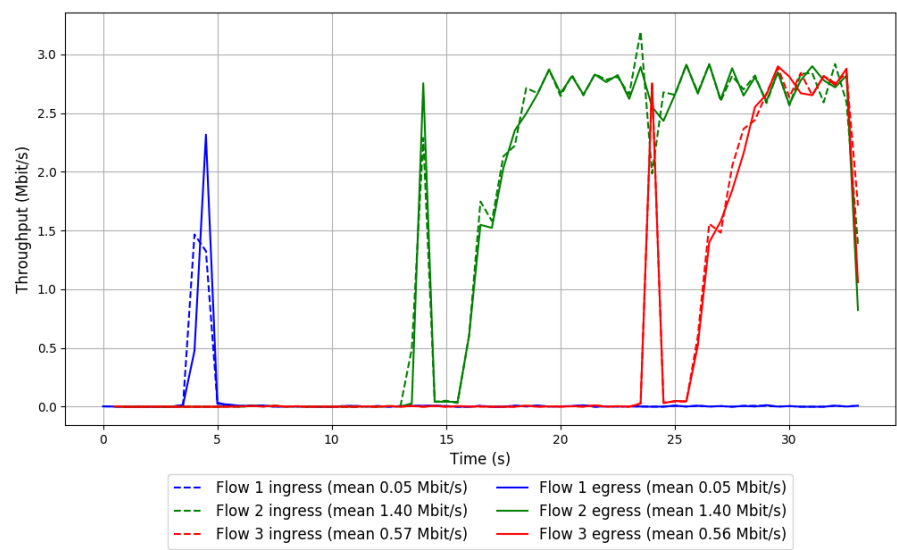
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 78.603 ms

Loss rate: 2.86%

Run 4: Report of WebRTC media — Data Link

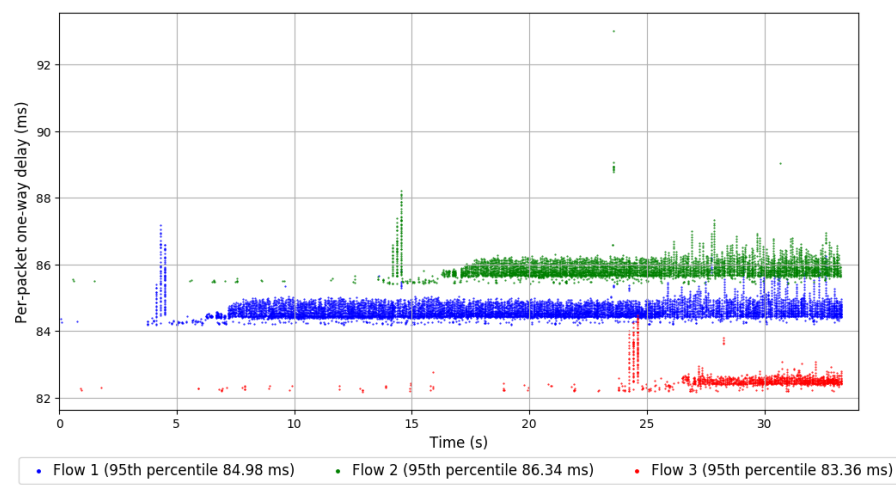
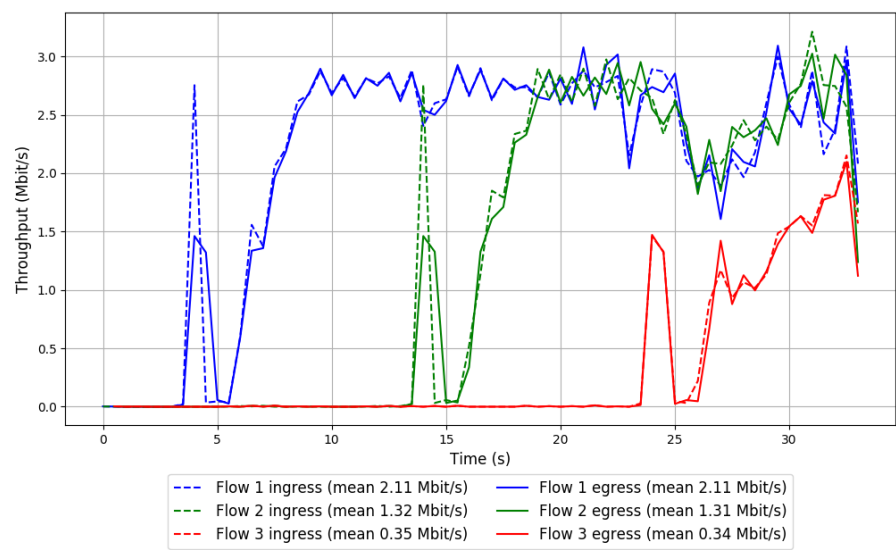


Run 5: Statistics of WebRTC media

Start at: 2018-02-03 20:51:40
End at: 2018-02-03 20:52:10
Local clock offset: -0.052 ms
Remote clock offset: -0.789 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 86.123 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 84.981 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 86.339 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 83.364 ms
Loss rate: 3.66%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-03 21:14:10

End at: 2018-02-03 21:14:40

Local clock offset: -0.038 ms

Remote clock offset: 1.822 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 81.685 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 80.726 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 81.871 ms

Loss rate: 0.82%

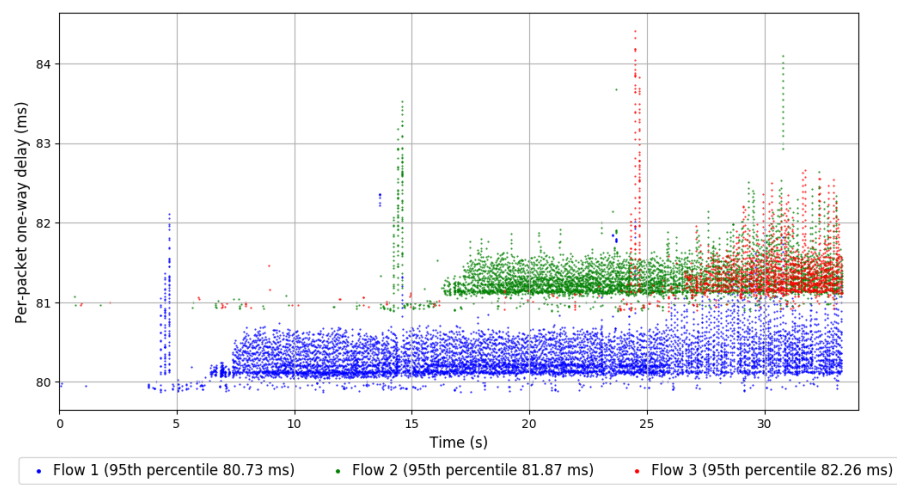
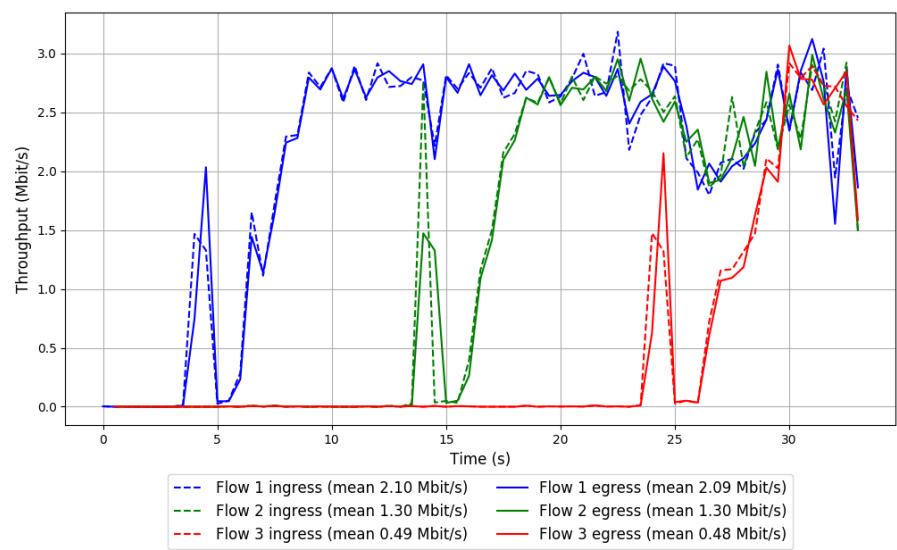
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 82.263 ms

Loss rate: 3.58%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-03 21:36:39

End at: 2018-02-03 21:37:09

Local clock offset: -0.082 ms

Remote clock offset: 1.509 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 80.554 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 80.525 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 80.632 ms

Loss rate: 1.00%

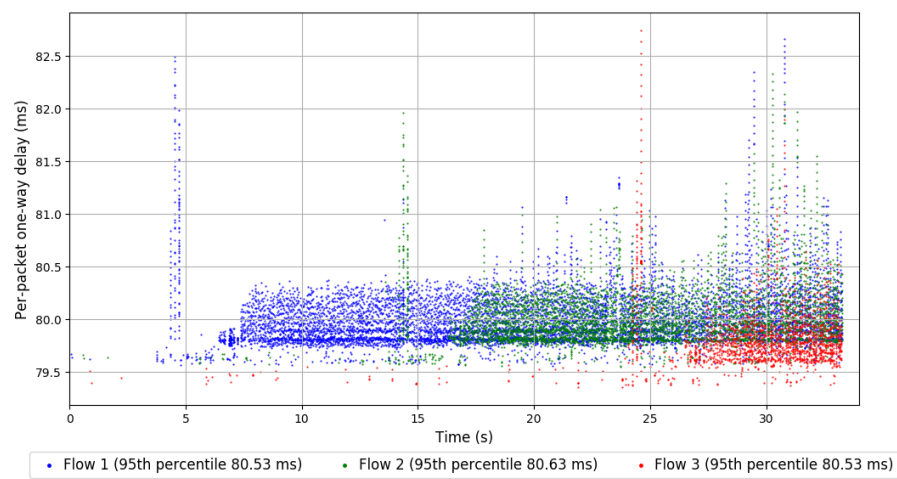
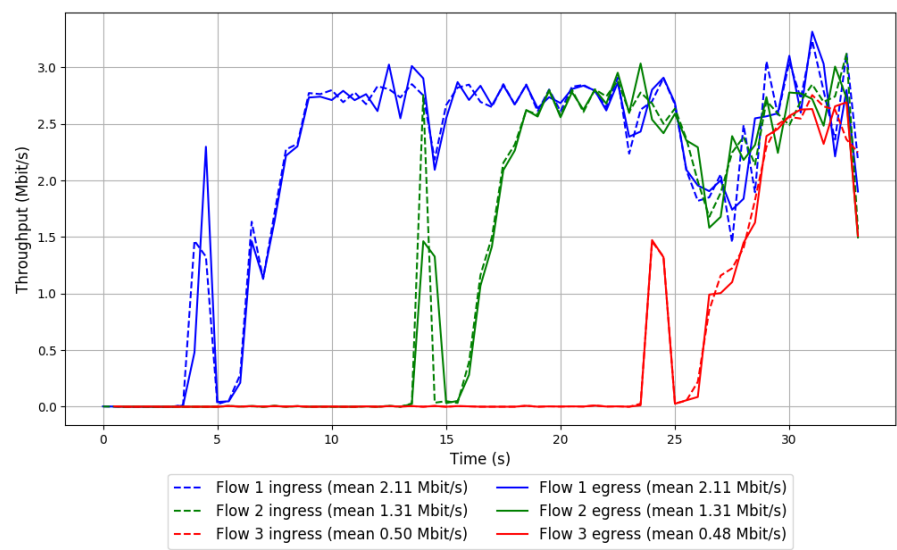
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 80.531 ms

Loss rate: 3.49%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-03 21:59:20

End at: 2018-02-03 21:59:50

Local clock offset: -0.054 ms

Remote clock offset: 1.841 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 81.213 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 79.863 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 81.498 ms

Loss rate: 1.02%

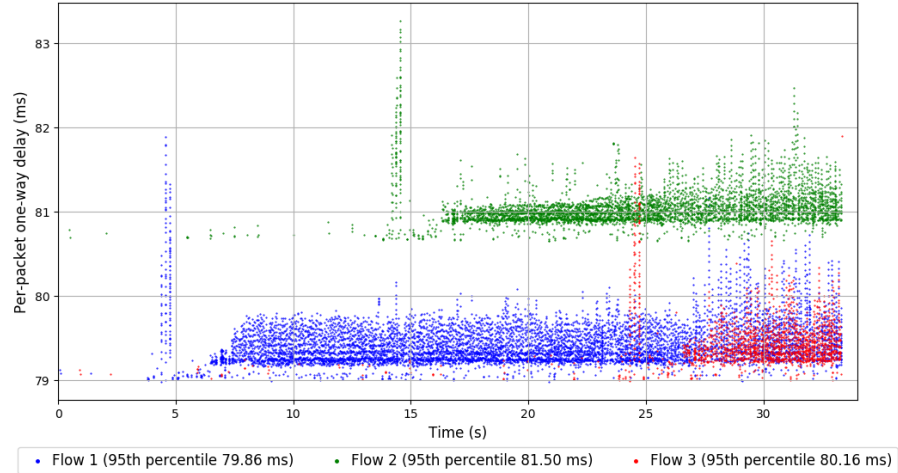
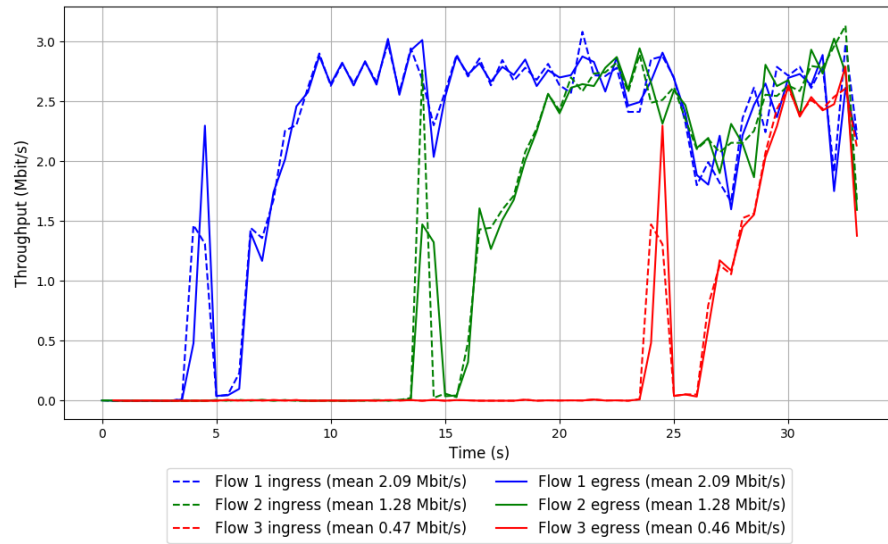
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 80.158 ms

Loss rate: 3.29%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-03 22:22:07

End at: 2018-02-03 22:22:37

Local clock offset: -0.086 ms

Remote clock offset: 1.974 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 81.534 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 81.629 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 81.065 ms

Loss rate: 0.69%

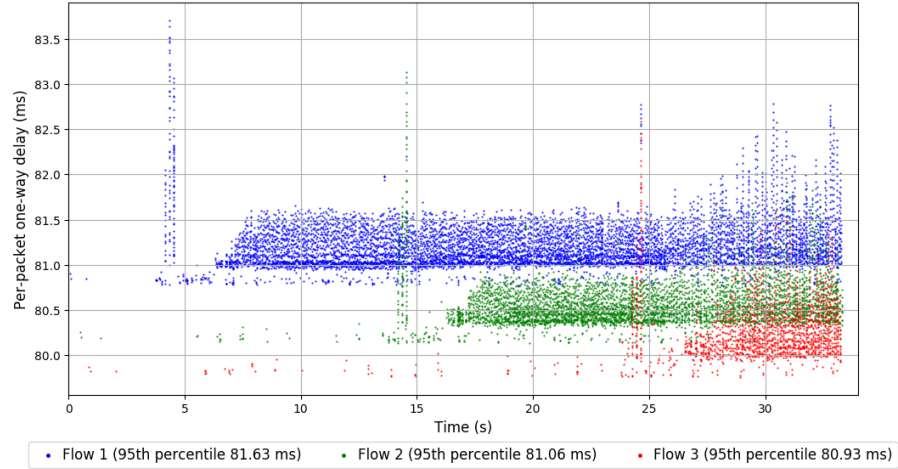
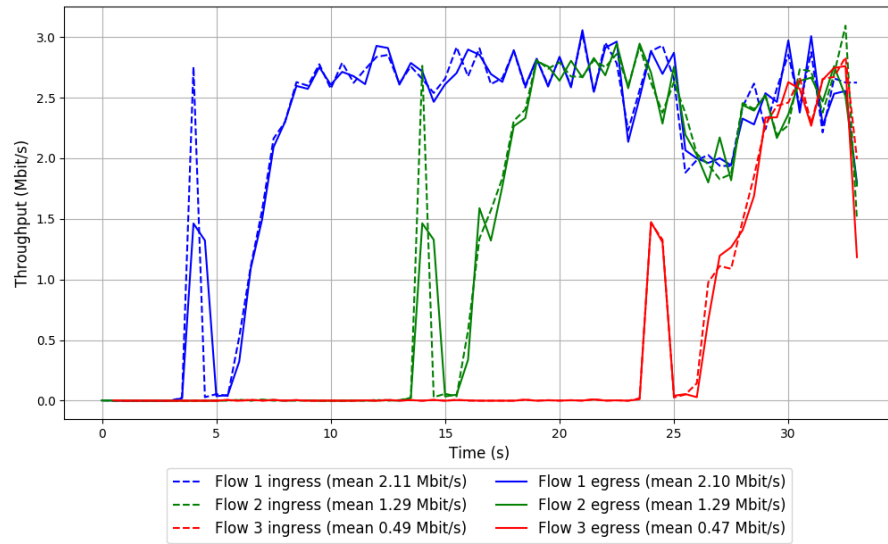
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 80.933 ms

Loss rate: 3.75%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-03 22:44:45

End at: 2018-02-03 22:45:15

Local clock offset: -0.082 ms

Remote clock offset: 2.559 ms

Below is generated by plot.py at 2018-02-04 02:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 80.592 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 80.677 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 78.360 ms

Loss rate: 0.59%

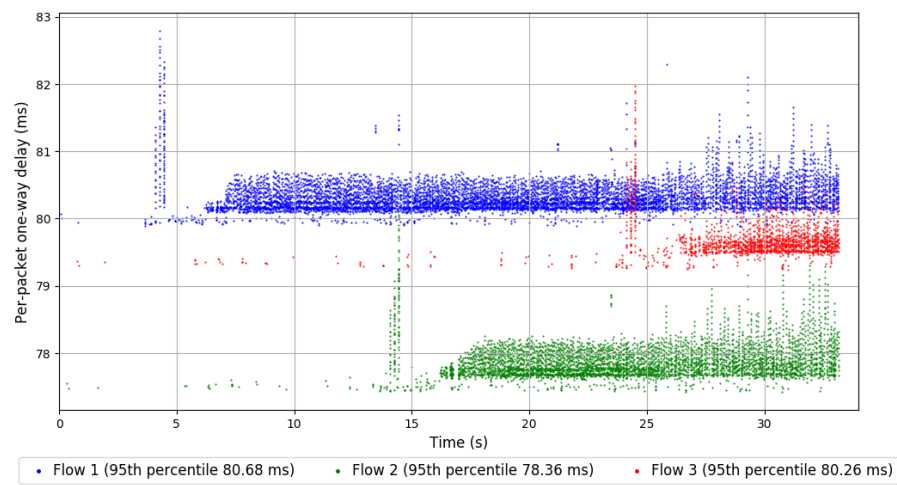
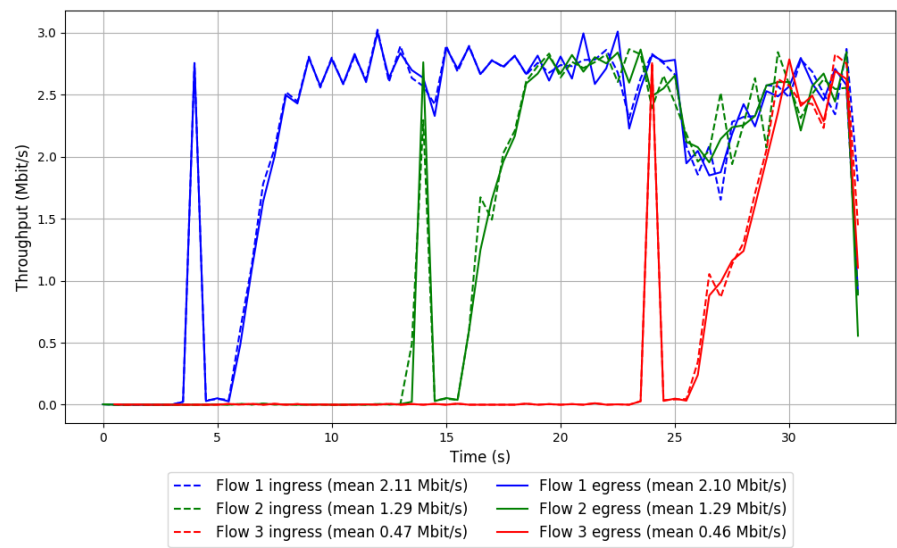
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 80.259 ms

Loss rate: 3.08%

Run 10: Report of WebRTC media — Data Link

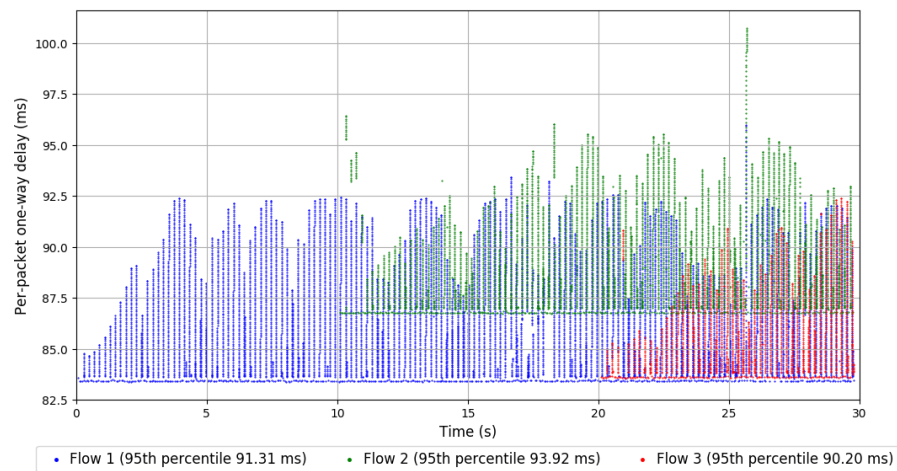
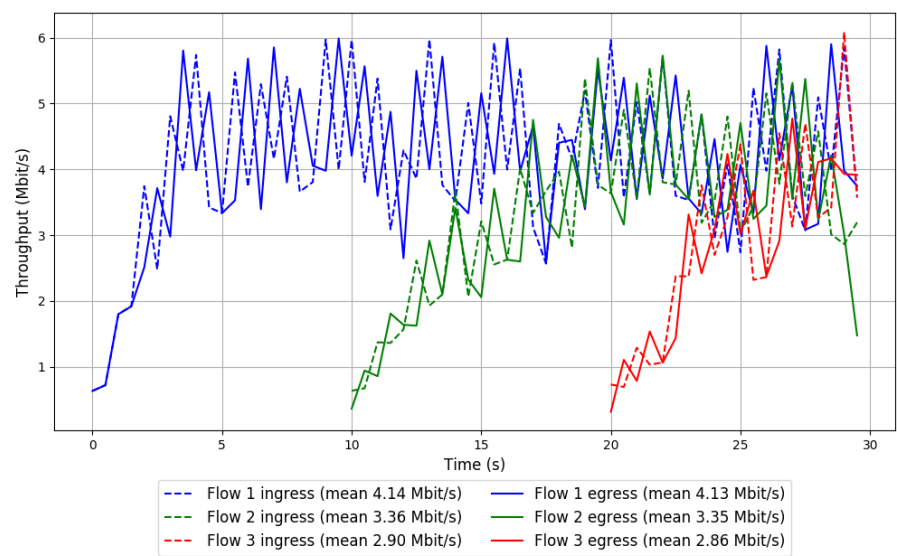


Run 1: Statistics of Sprout

Start at: 2018-02-03 19:27:47
End at: 2018-02-03 19:28:17
Local clock offset: -0.258 ms
Remote clock offset: -2.015 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 92.243 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 91.315 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 93.921 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 90.202 ms
Loss rate: 3.17%

Run 1: Report of Sprout — Data Link

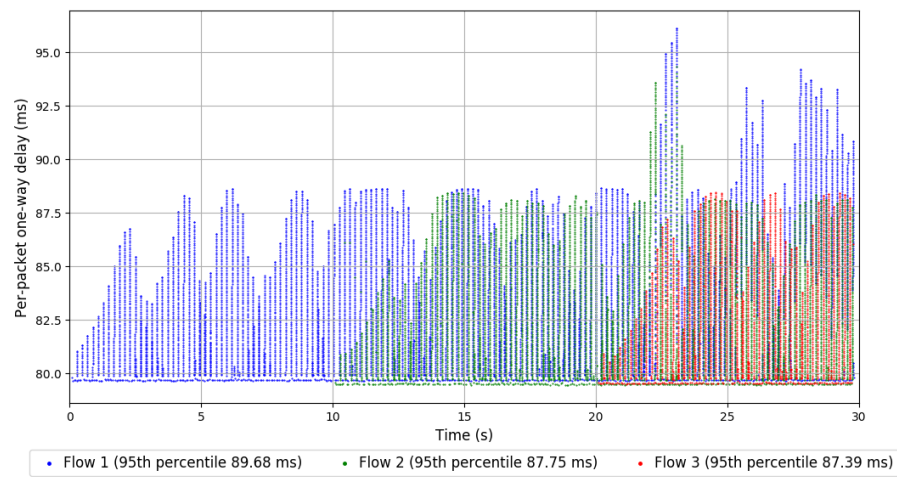
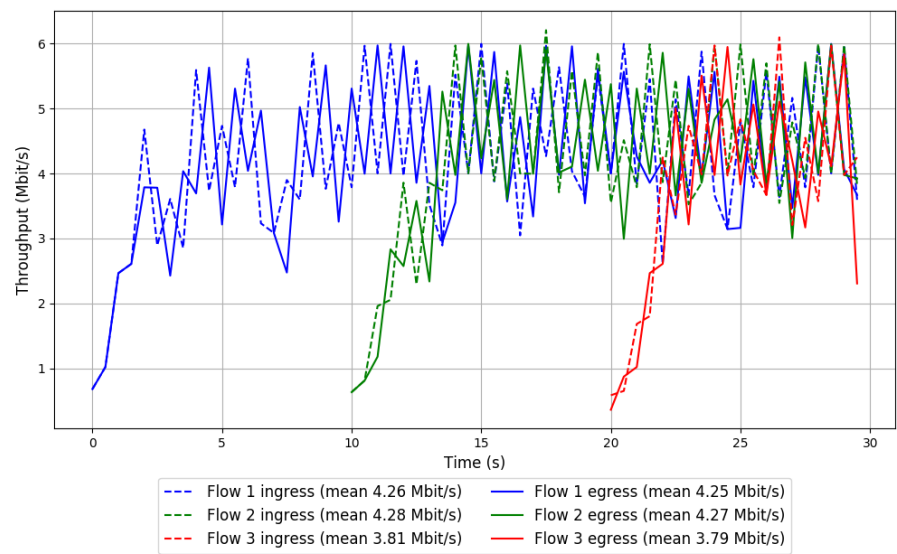


Run 2: Statistics of Sprout

Start at: 2018-02-03 19:50:21
End at: 2018-02-03 19:50:51
Local clock offset: -0.197 ms
Remote clock offset: 2.136 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 88.371 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 89.679 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 87.746 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 87.385 ms
Loss rate: 2.59%

Run 2: Report of Sprout — Data Link

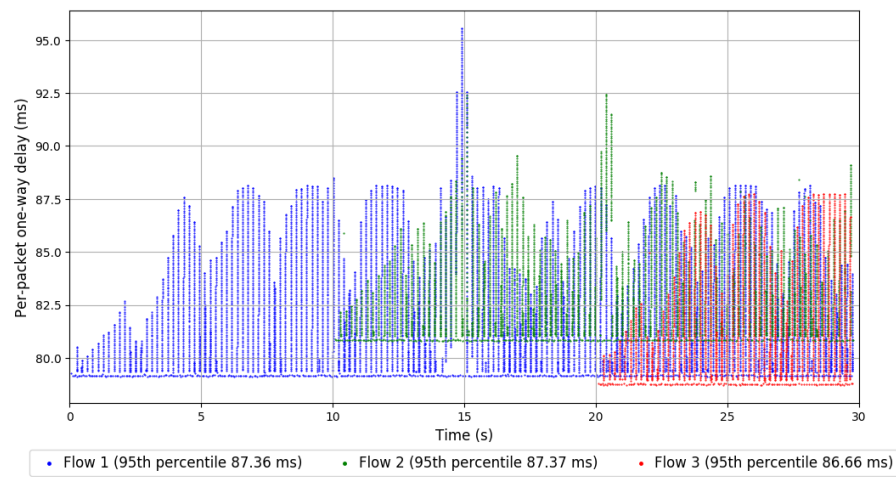
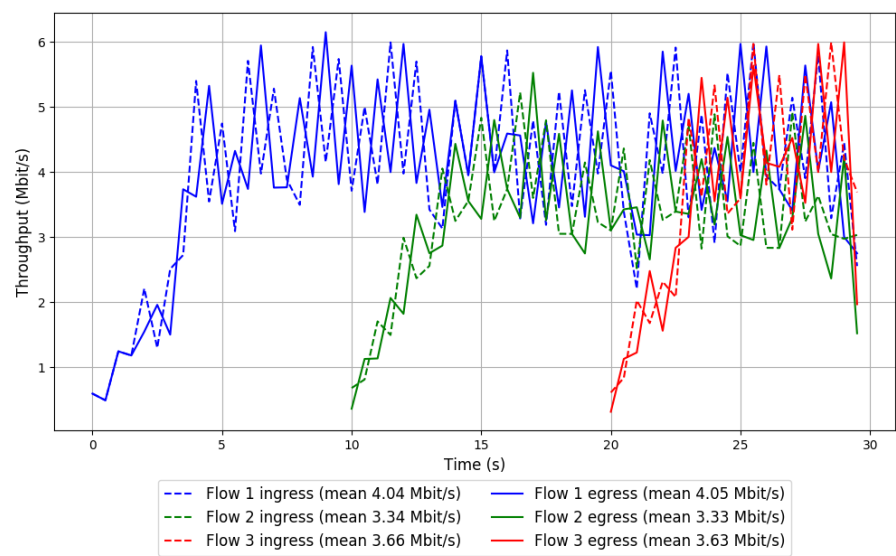


Run 3: Statistics of Sprout

Start at: 2018-02-03 20:12:56
End at: 2018-02-03 20:13:26
Local clock offset: -0.202 ms
Remote clock offset: 3.952 ms

```
# Below is generated by plot.py at 2018-02-04 02:49:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 87.247 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 87.358 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 87.374 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 2.68%
```


Run 3: Report of Sprout — Data Link

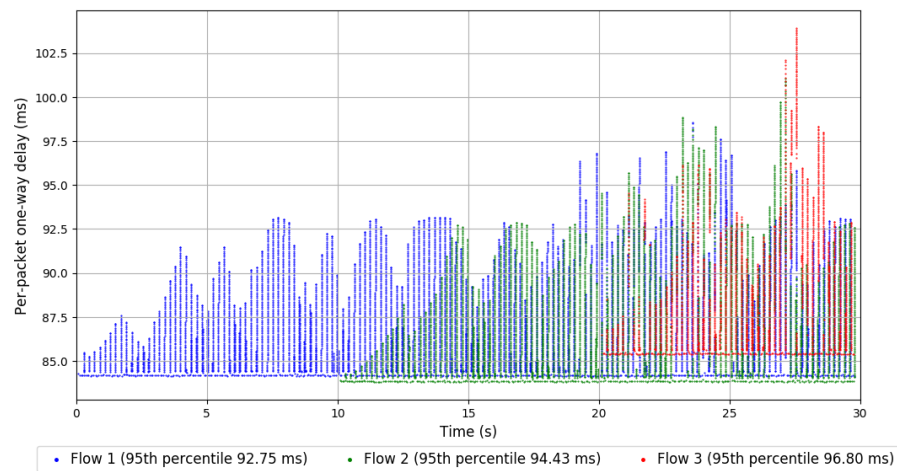
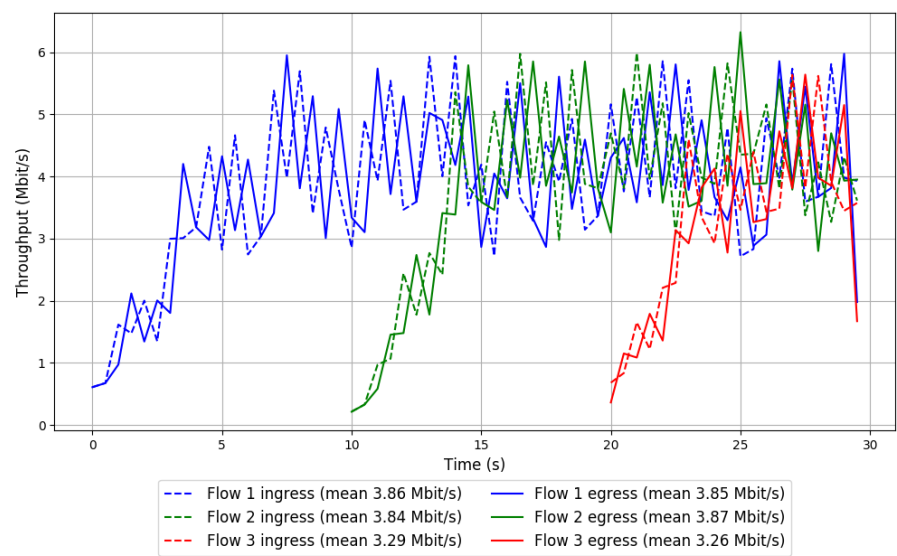


Run 4: Statistics of Sprout

Start at: 2018-02-03 20:35:43
End at: 2018-02-03 20:36:13
Local clock offset: -0.101 ms
Remote clock offset: -0.487 ms

```
# Below is generated by plot.py at 2018-02-04 02:49:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 93.911 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 92.748 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 94.427 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 96.798 ms
Loss rate: 2.94%
```

Run 4: Report of Sprout — Data Link

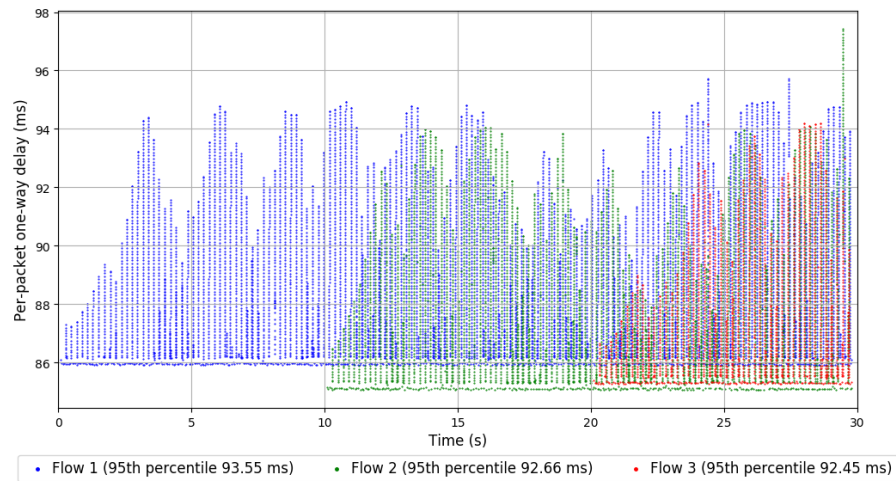
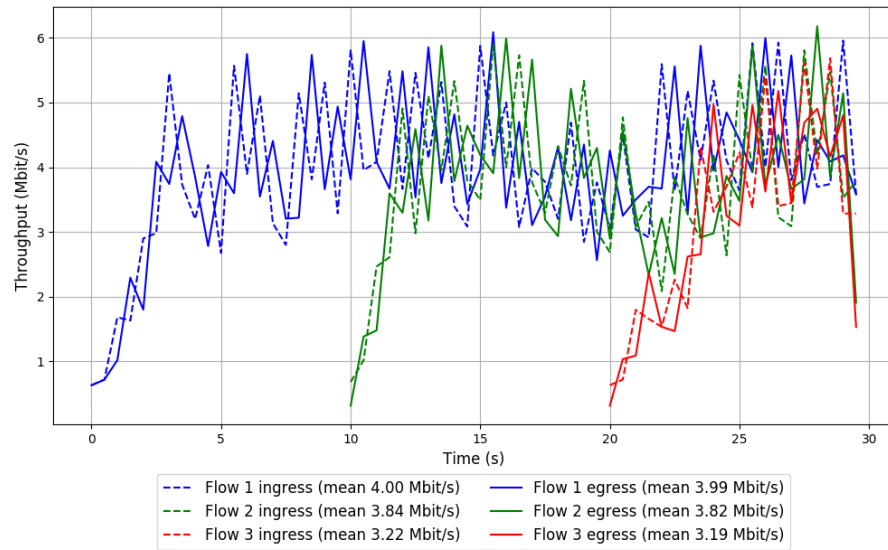


Run 5: Statistics of Sprout

Start at: 2018-02-03 20:58:17
End at: 2018-02-03 20:58:47
Local clock offset: -0.046 ms
Remote clock offset: -1.728 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 93.190 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 93.545 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 92.664 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 92.452 ms
Loss rate: 2.77%

Run 5: Report of Sprout — Data Link

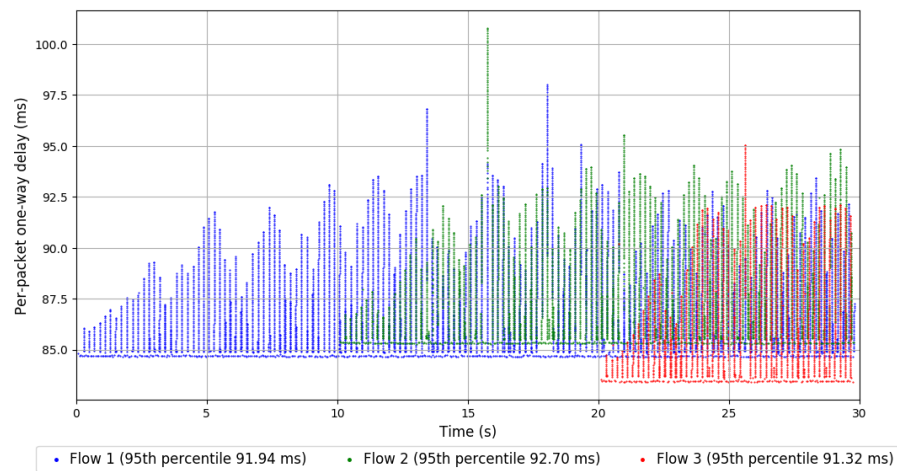
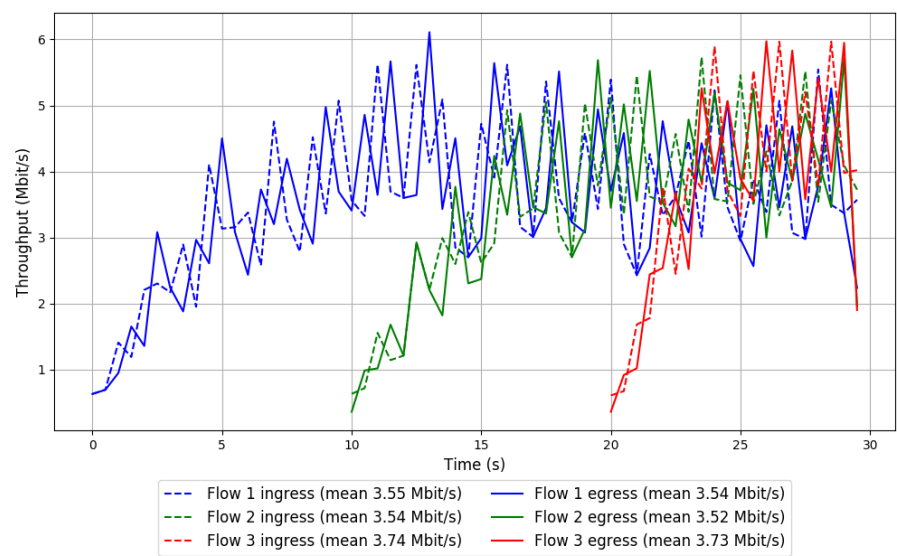


Run 6: Statistics of Sprout

Start at: 2018-02-03 21:20:45
End at: 2018-02-03 21:21:15
Local clock offset: -0.042 ms
Remote clock offset: -1.958 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 92.149 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 91.943 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 92.699 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 91.322 ms
Loss rate: 2.87%

Run 6: Report of Sprout — Data Link

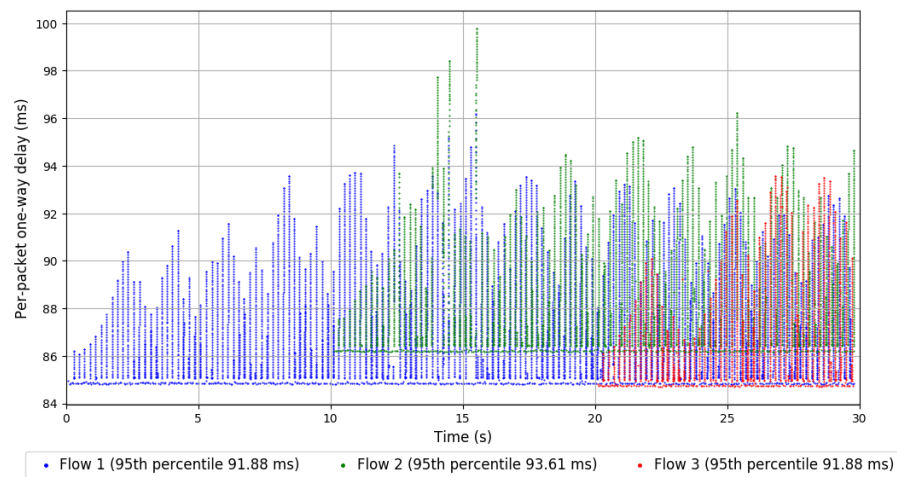
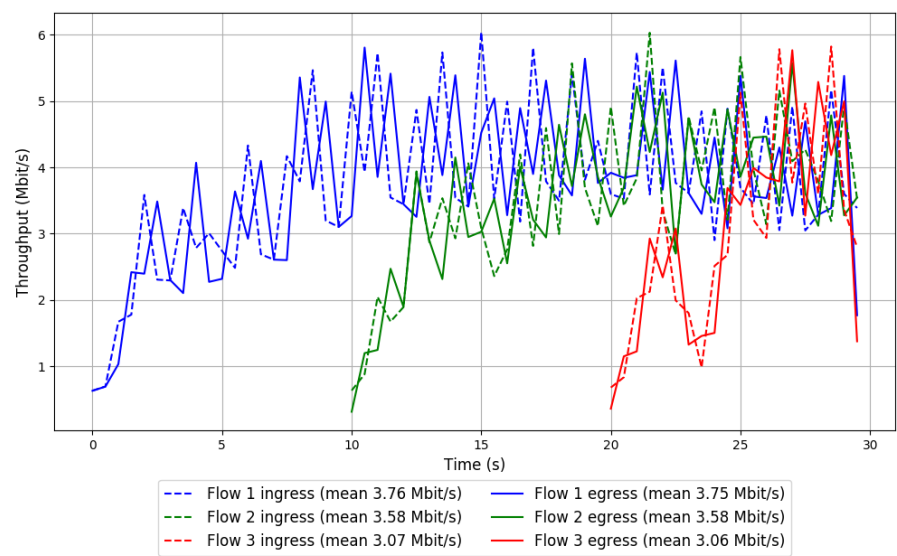


Run 7: Statistics of Sprout

Start at: 2018-02-03 21:43:16
End at: 2018-02-03 21:43:46
Local clock offset: -0.041 ms
Remote clock offset: -2.491 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 92.527 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 91.881 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 93.605 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 91.876 ms
Loss rate: 2.35%

Run 7: Report of Sprout — Data Link

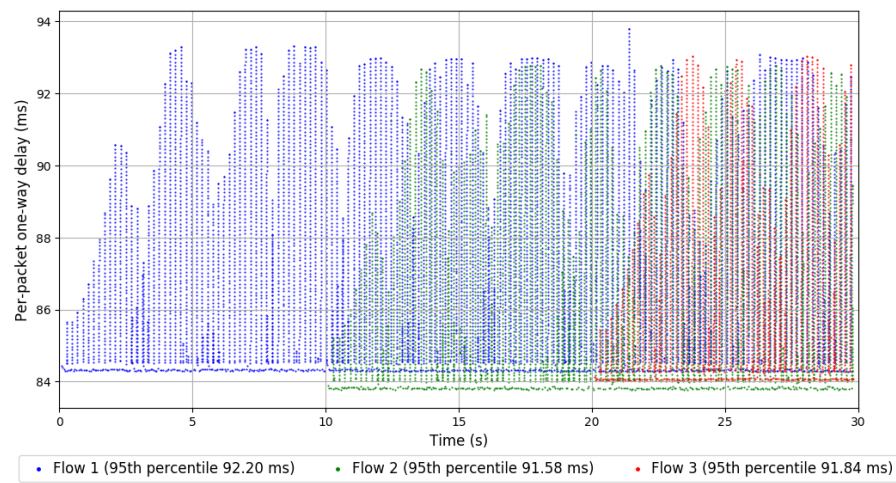
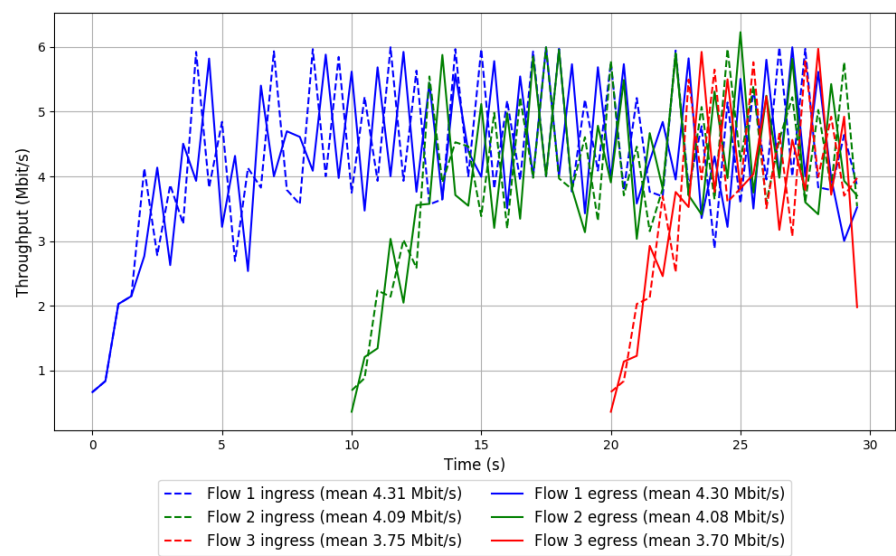


Run 8: Statistics of Sprout

Start at: 2018-02-03 22:05:58
End at: 2018-02-03 22:06:28
Local clock offset: -0.037 ms
Remote clock offset: -1.984 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 91.972 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 92.201 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 91.580 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 91.836 ms
Loss rate: 2.71%

Run 8: Report of Sprout — Data Link

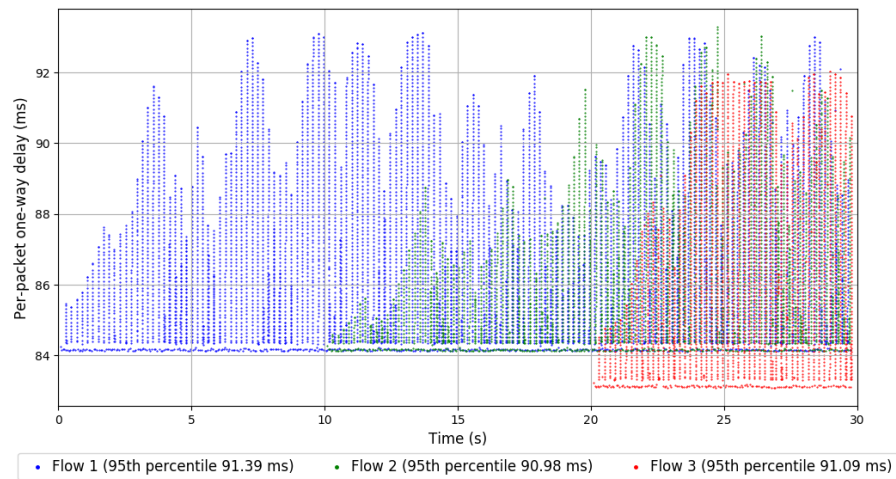
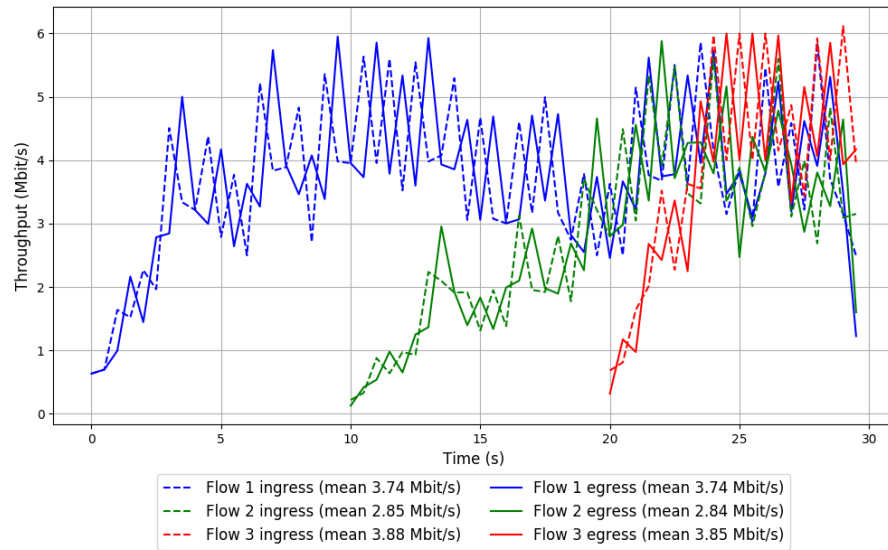


Run 9: Statistics of Sprout

Start at: 2018-02-03 22:28:46
End at: 2018-02-03 22:29:16
Local clock offset: -0.14 ms
Remote clock offset: -2.768 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 91.207 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 91.387 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 90.979 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 91.090 ms
Loss rate: 2.55%

Run 9: Report of Sprout — Data Link

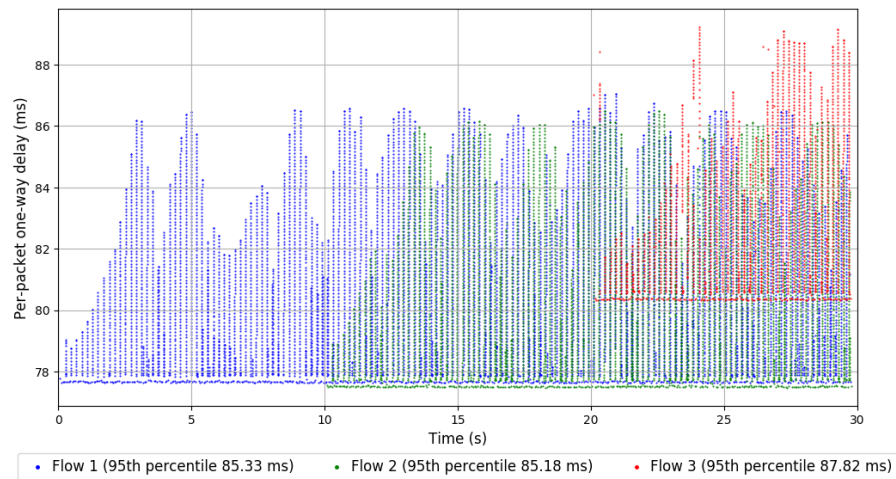
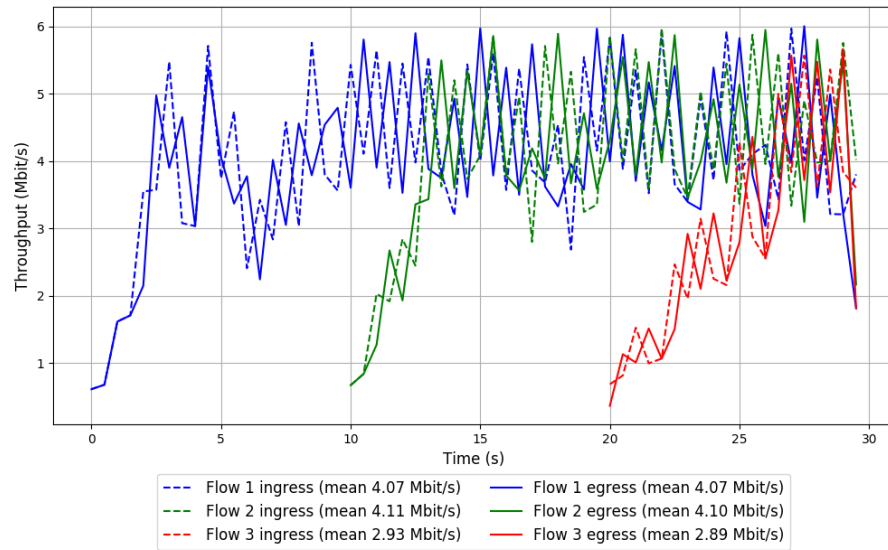


Run 10: Statistics of Sprout

Start at: 2018-02-03 22:51:25
End at: 2018-02-03 22:51:55
Local clock offset: -0.083 ms
Remote clock offset: 2.466 ms

Below is generated by plot.py at 2018-02-04 02:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 85.648 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 85.330 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 85.179 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 87.819 ms
Loss rate: 3.12%

Run 10: Report of Sprout — Data Link

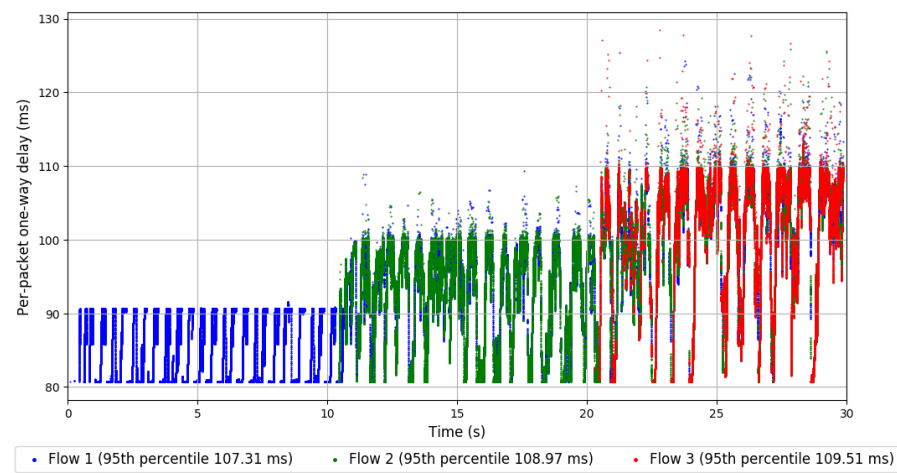
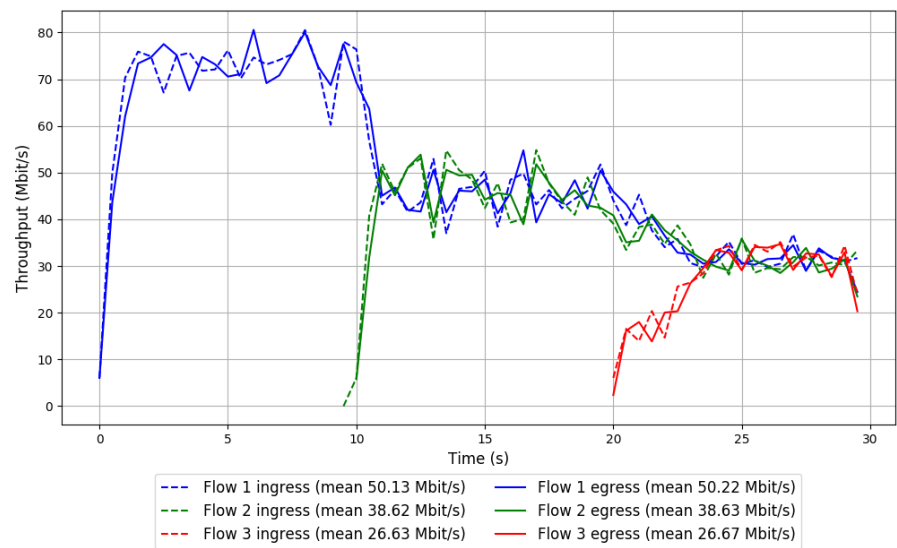


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-03 19:13:09
End at: 2018-02-03 19:13:39
Local clock offset: -0.247 ms
Remote clock offset: 2.201 ms

# Below is generated by plot.py at 2018-02-04 02:51:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 108.818 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 107.307 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 108.965 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 109.512 ms
Loss rate: 2.10%
```


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

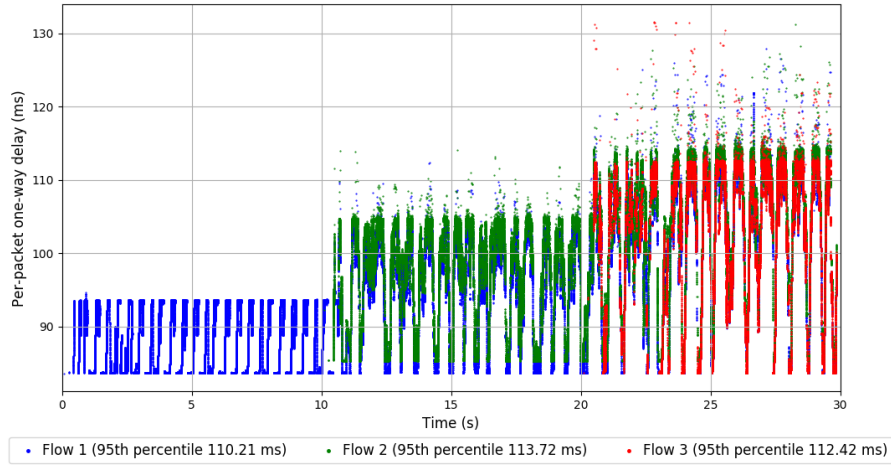
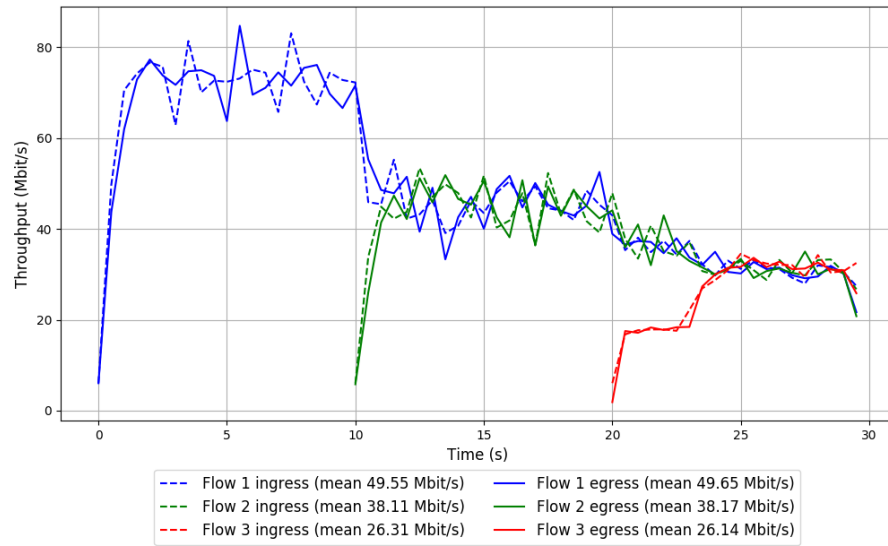


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-03 19:35:43
End at: 2018-02-03 19:36:13
Local clock offset: -0.257 ms
Remote clock offset: -1.667 ms

Below is generated by plot.py at 2018-02-04 02:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 112.245 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 49.65 Mbit/s
95th percentile per-packet one-way delay: 110.212 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 113.718 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 26.14 Mbit/s
95th percentile per-packet one-way delay: 112.422 ms
Loss rate: 2.55%

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

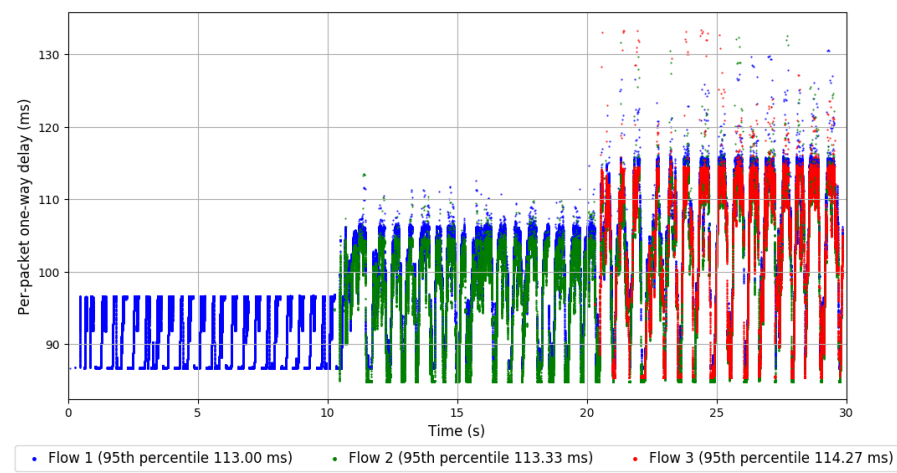
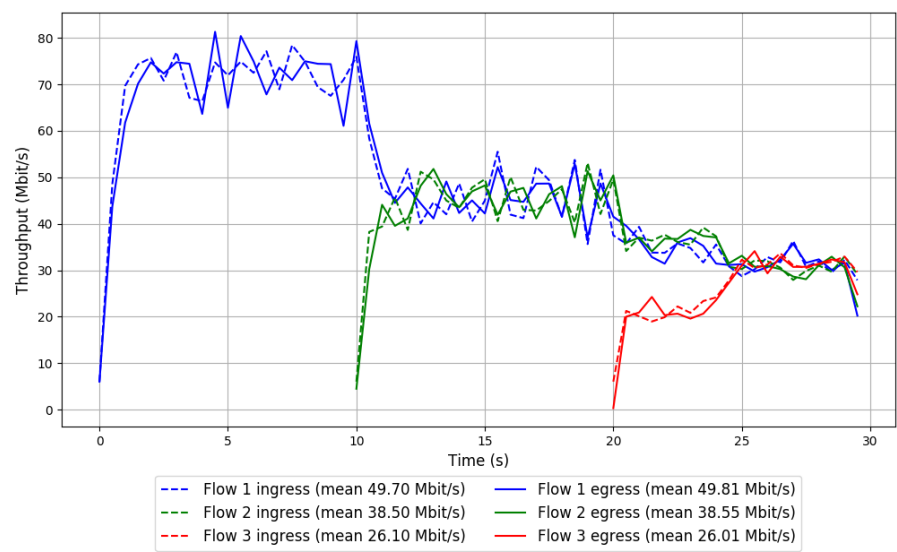


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-03 19:58:17
End at: 2018-02-03 19:58:47
Local clock offset: -0.176 ms
Remote clock offset: -1.551 ms

Below is generated by plot.py at 2018-02-04 02:51:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 113.664 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 113.002 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 113.333 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 114.267 ms
Loss rate: 2.47%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-03 20:20:59

End at: 2018-02-03 20:21:29

Local clock offset: -0.214 ms

Remote clock offset: 3.139 ms

Below is generated by plot.py at 2018-02-04 02:51:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.53 Mbit/s

95th percentile per-packet one-way delay: 99.178 ms

Loss rate: 13.04%

-- Flow 1:

Average throughput: 47.41 Mbit/s

95th percentile per-packet one-way delay: 99.055 ms

Loss rate: 11.77%

-- Flow 2:

Average throughput: 30.45 Mbit/s

95th percentile per-packet one-way delay: 98.127 ms

Loss rate: 14.89%

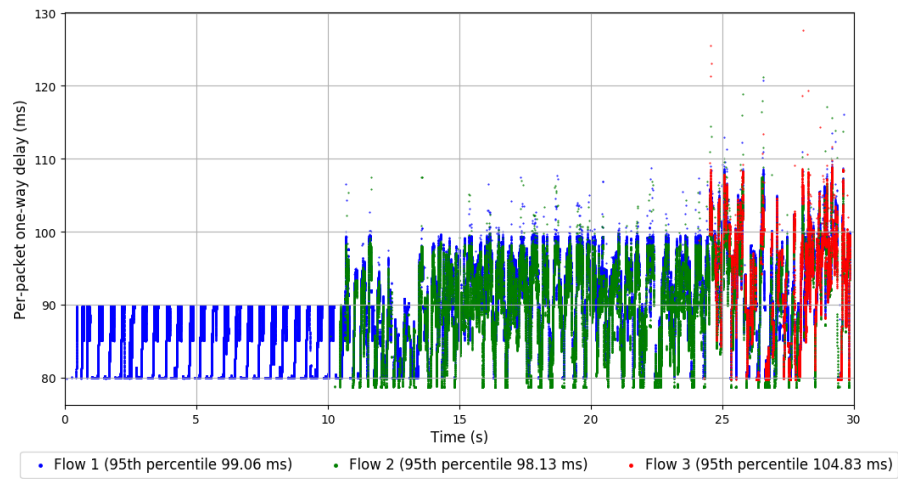
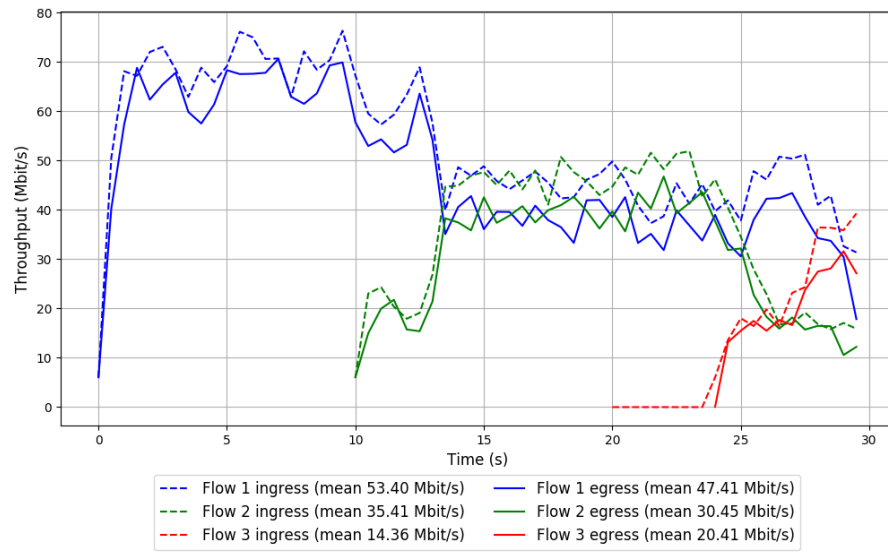
-- Flow 3:

Average throughput: 20.41 Mbit/s

95th percentile per-packet one-way delay: 104.835 ms

Loss rate: 18.11%

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

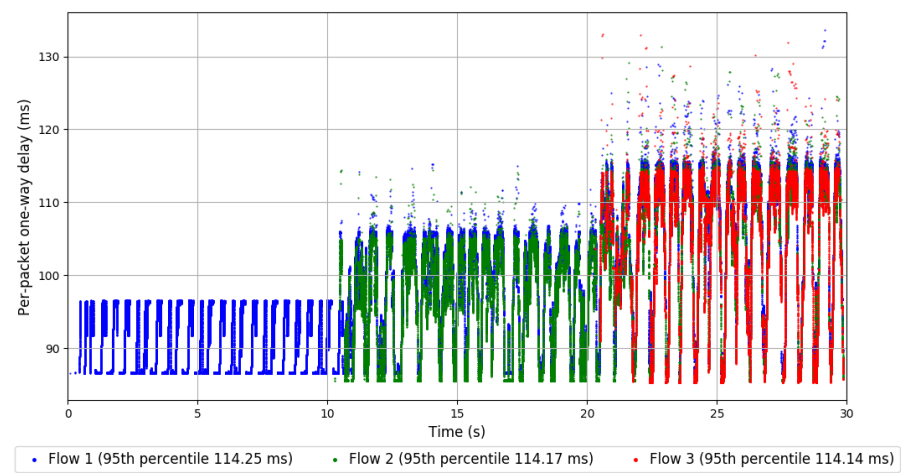
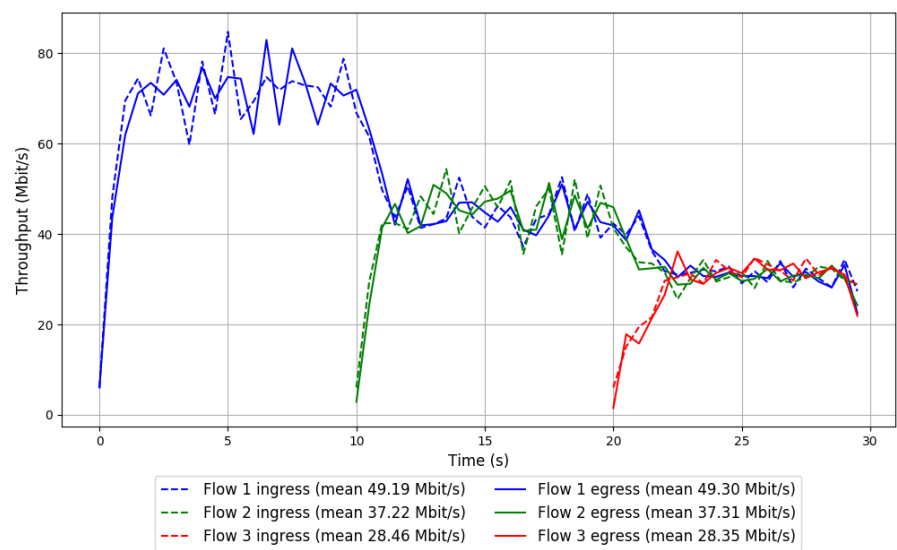


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-03 20:43:38
End at: 2018-02-03 20:44:08
Local clock offset: -0.055 ms
Remote clock offset: -1.564 ms

Below is generated by plot.py at 2018-02-04 02:51:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 114.159 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 49.30 Mbit/s
95th percentile per-packet one-way delay: 114.245 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 114.168 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 28.35 Mbit/s
95th percentile per-packet one-way delay: 114.138 ms
Loss rate: 2.46%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-03 21:06:12

End at: 2018-02-03 21:06:42

Local clock offset: -0.058 ms

Remote clock offset: 1.928 ms

Below is generated by plot.py at 2018-02-04 02:51:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 107.202 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 51.35 Mbit/s

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

Loss rate: 0.56%

-- Flow 2:

Average throughput: 40.00 Mbit/s

95th percentile per-packet one-way delay: 107.022 ms

Loss rate: 0.94%

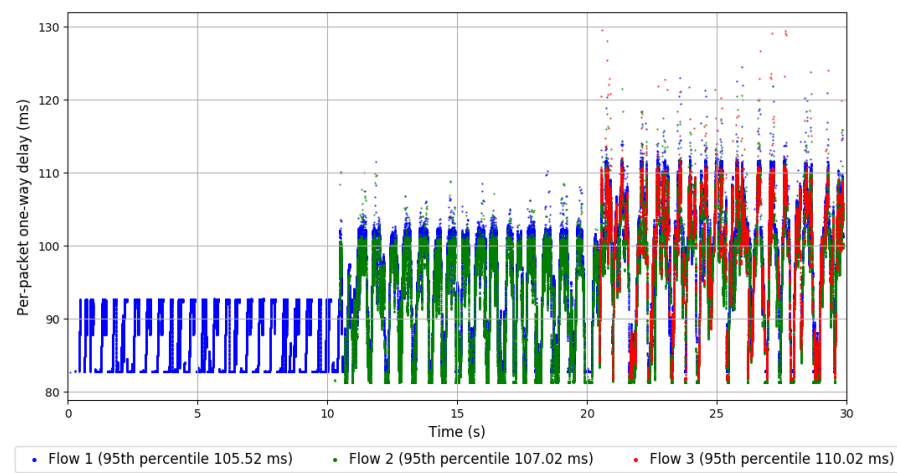
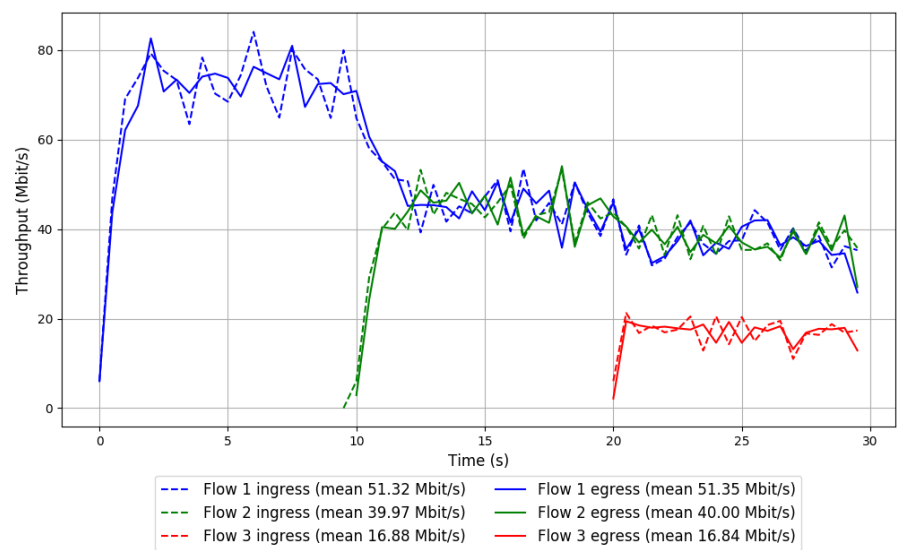
-- Flow 3:

Average throughput: 16.84 Mbit/s

95th percentile per-packet one-way delay: 110.020 ms

Loss rate: 2.08%

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

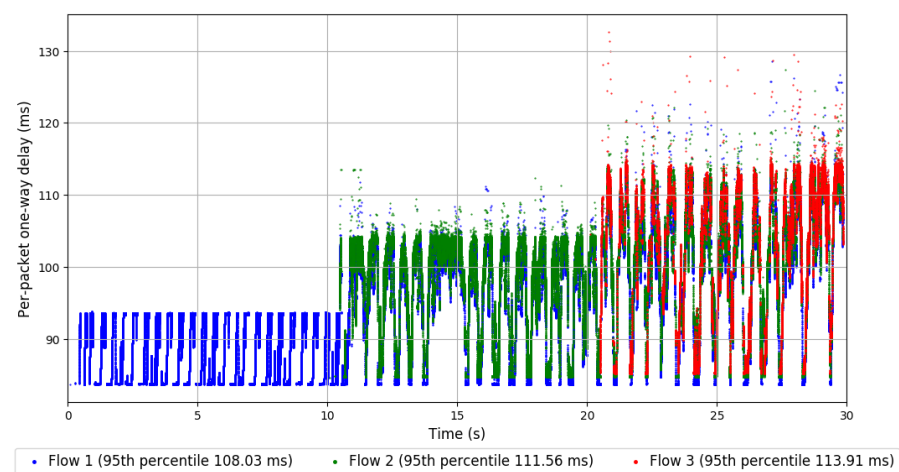
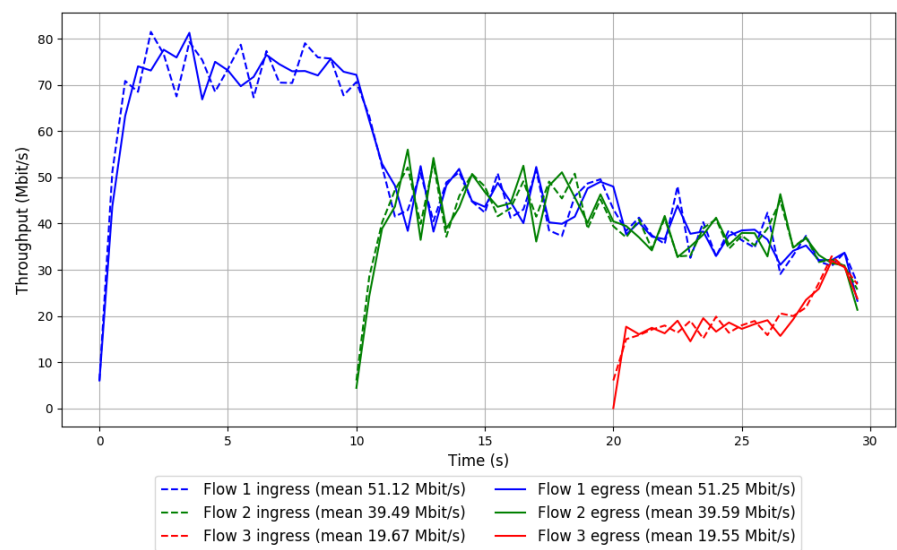


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-03 21:28:39
End at: 2018-02-03 21:29:09
Local clock offset: -0.109 ms
Remote clock offset: -2.028 ms

Below is generated by plot.py at 2018-02-04 02:51:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 110.926 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 51.25 Mbit/s
95th percentile per-packet one-way delay: 108.033 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.59 Mbit/s
95th percentile per-packet one-way delay: 111.555 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 113.910 ms
Loss rate: 2.66%

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

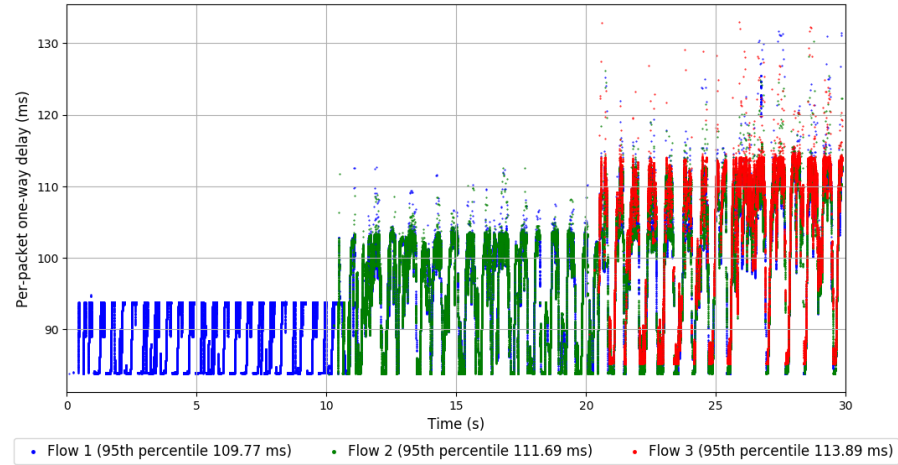
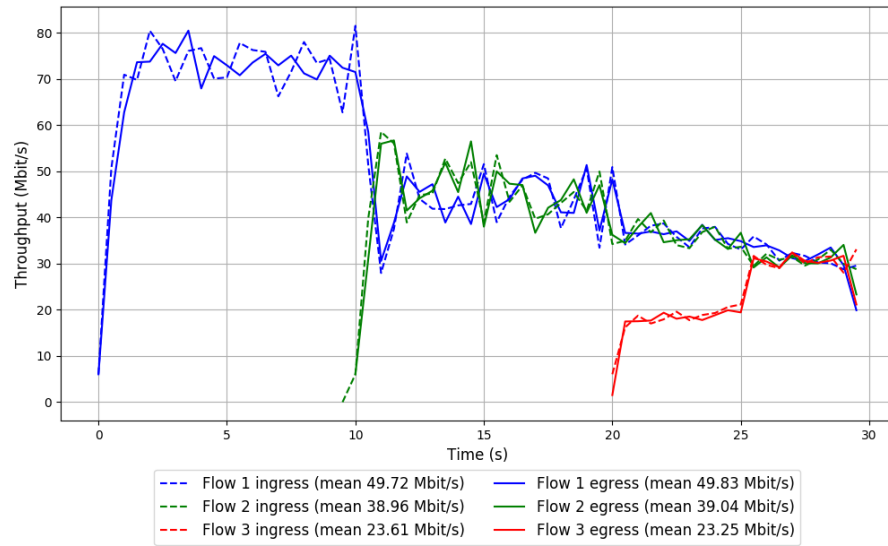


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-03 21:51:17
End at: 2018-02-03 21:51:47
Local clock offset: -0.043 ms
Remote clock offset: -2.609 ms

Below is generated by plot.py at 2018-02-04 02:51:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 111.820 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 109.773 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 111.685 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 113.888 ms
Loss rate: 3.50%

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

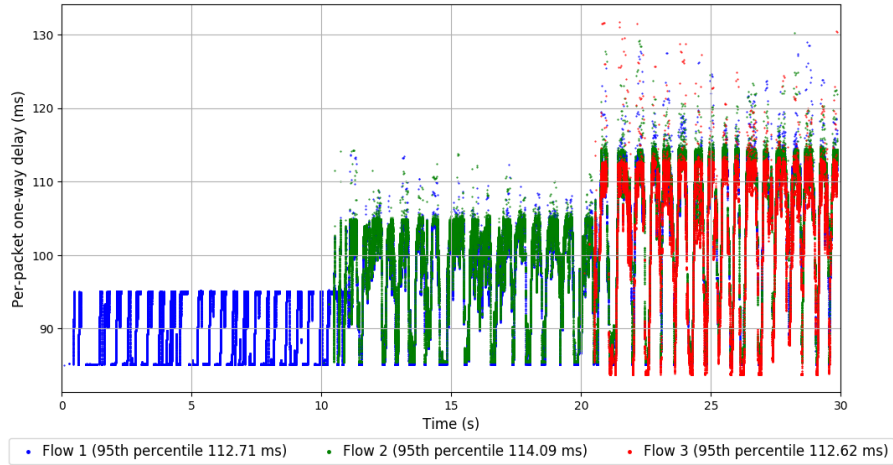
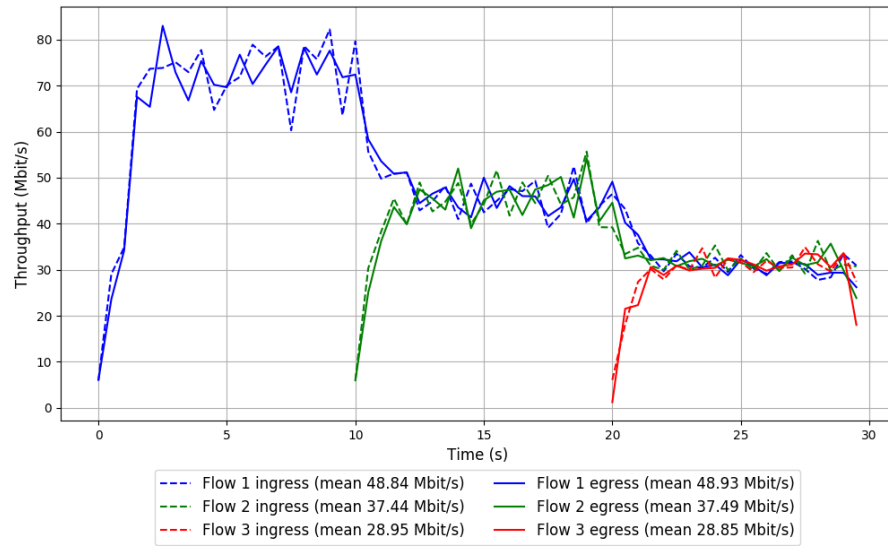


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-03 22:14:03
End at: 2018-02-03 22:14:33
Local clock offset: -0.083 ms
Remote clock offset: -3.006 ms

Below is generated by plot.py at 2018-02-04 02:53:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 113.364 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 112.711 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 114.091 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 112.625 ms
Loss rate: 2.46%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-03 22:36:44

End at: 2018-02-03 22:37:14

Local clock offset: -0.09 ms

Remote clock offset: -3.88 ms

Below is generated by plot.py at 2018-02-04 02:53:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.56 Mbit/s

95th percentile per-packet one-way delay: 113.993 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 113.001 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 37.49 Mbit/s

95th percentile per-packet one-way delay: 114.005 ms

Loss rate: 0.84%

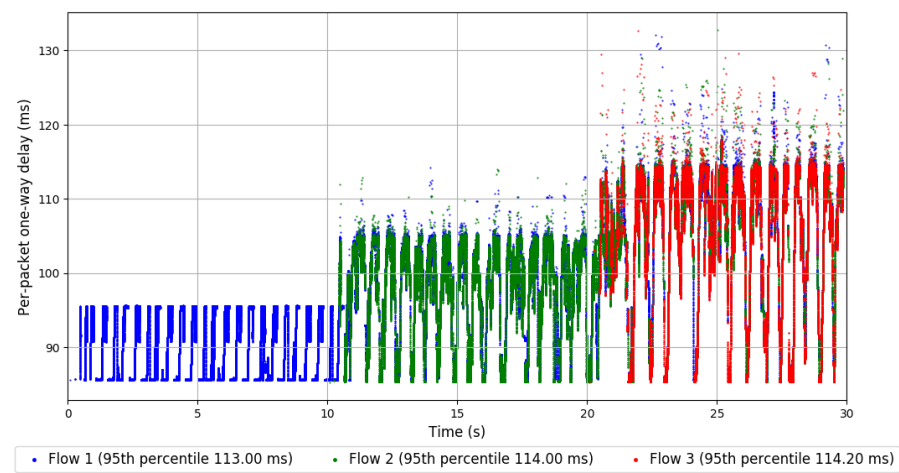
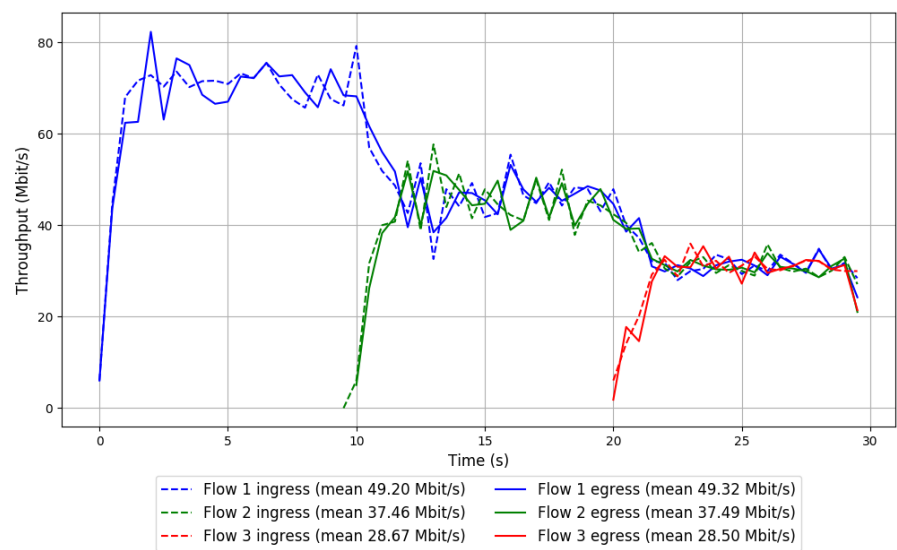
-- Flow 3:

Average throughput: 28.50 Mbit/s

95th percentile per-packet one-way delay: 114.199 ms

Loss rate: 2.51%

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

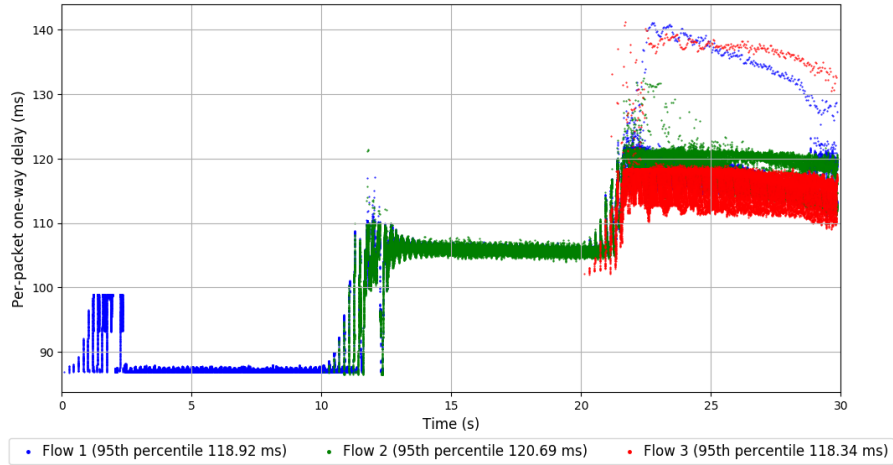
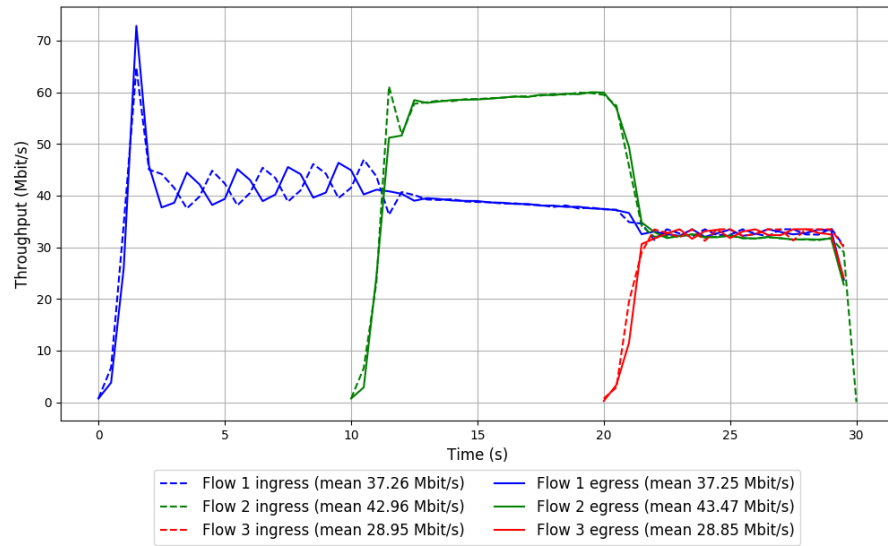


Run 1: Statistics of TCP Vegas

Start at: 2018-02-03 19:23:44
End at: 2018-02-03 19:24:14
Local clock offset: -0.248 ms
Remote clock offset: -2.033 ms

Below is generated by plot.py at 2018-02-04 02:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: 120.025 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 118.923 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 120.690 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 118.345 ms
Loss rate: 2.50%

Run 1: Report of TCP Vegas — Data Link

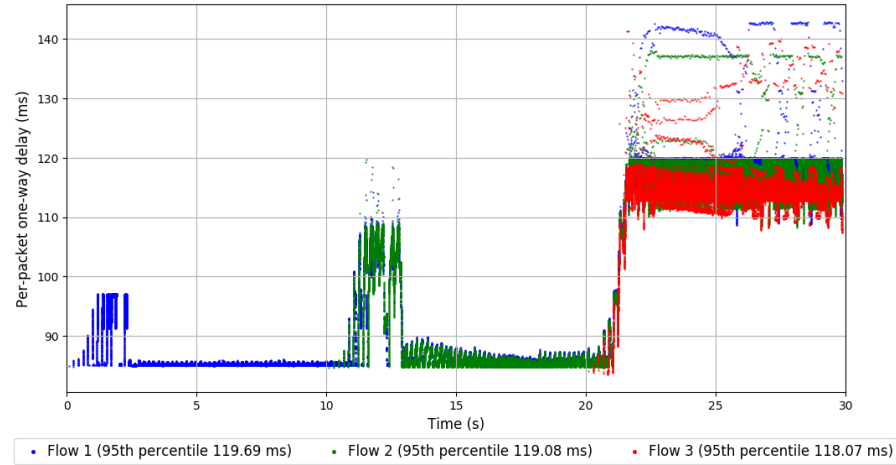
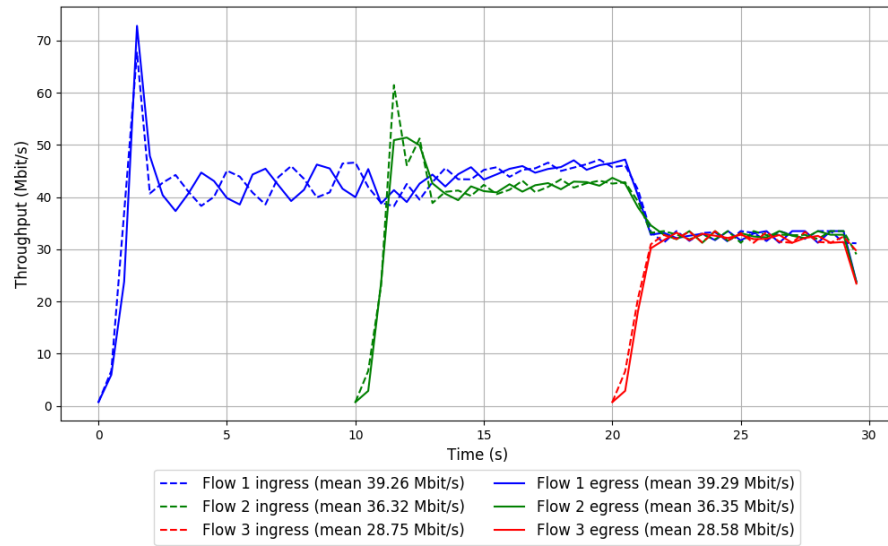


Run 2: Statistics of TCP Vegas

Start at: 2018-02-03 19:46:18
End at: 2018-02-03 19:46:48
Local clock offset: -0.192 ms
Remote clock offset: -1.534 ms

Below is generated by plot.py at 2018-02-04 02:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.77 Mbit/s
95th percentile per-packet one-way delay: 119.462 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 119.692 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 119.079 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 28.58 Mbit/s
95th percentile per-packet one-way delay: 118.072 ms
Loss rate: 2.45%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-03 20:08:52

End at: 2018-02-03 20:09:22

Local clock offset: -0.253 ms

Remote clock offset: 2.119 ms

Below is generated by plot.py at 2018-02-04 02:53:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.15 Mbit/s

95th percentile per-packet one-way delay: 115.401 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 38.14 Mbit/s

95th percentile per-packet one-way delay: 115.542 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 38.87 Mbit/s

95th percentile per-packet one-way delay: 115.514 ms

Loss rate: 0.90%

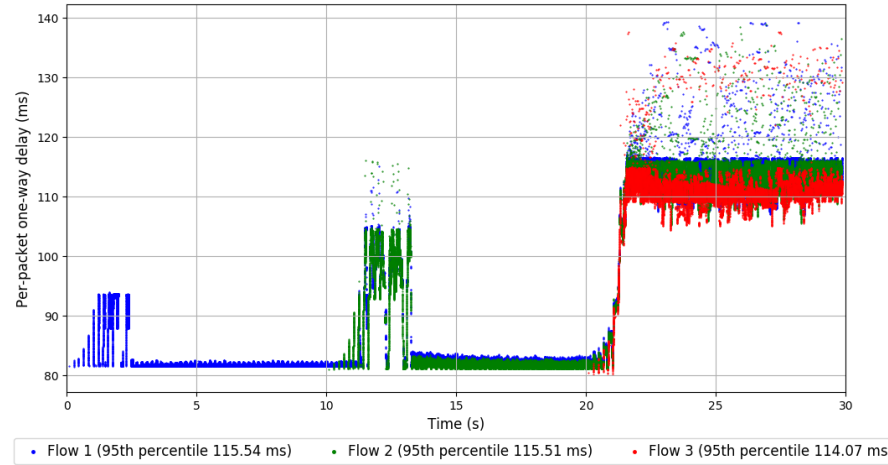
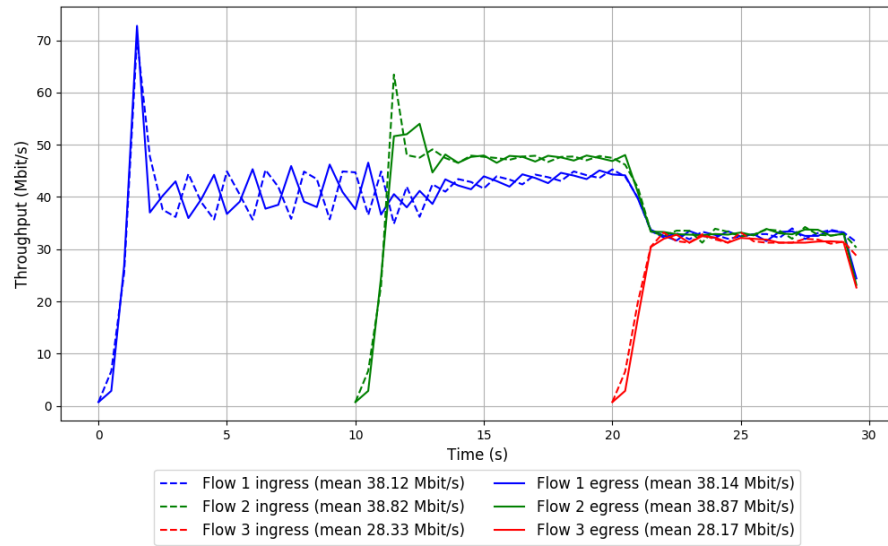
-- Flow 3:

Average throughput: 28.17 Mbit/s

95th percentile per-packet one-way delay: 114.067 ms

Loss rate: 2.40%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-03 20:31:39

End at: 2018-02-03 20:32:09

Local clock offset: -0.182 ms

Remote clock offset: 3.118 ms

Below is generated by plot.py at 2018-02-04 02:53:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.94 Mbit/s

95th percentile per-packet one-way delay: 115.051 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 39.28 Mbit/s

95th percentile per-packet one-way delay: 115.406 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 36.45 Mbit/s

95th percentile per-packet one-way delay: 114.511 ms

Loss rate: 1.03%

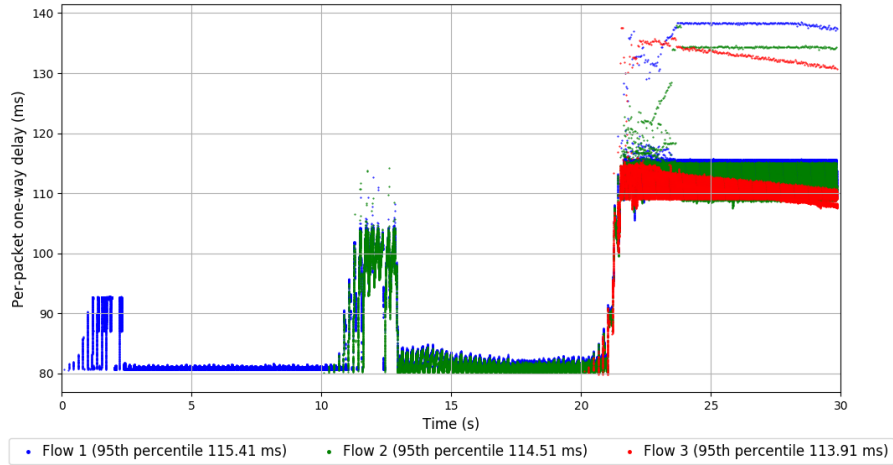
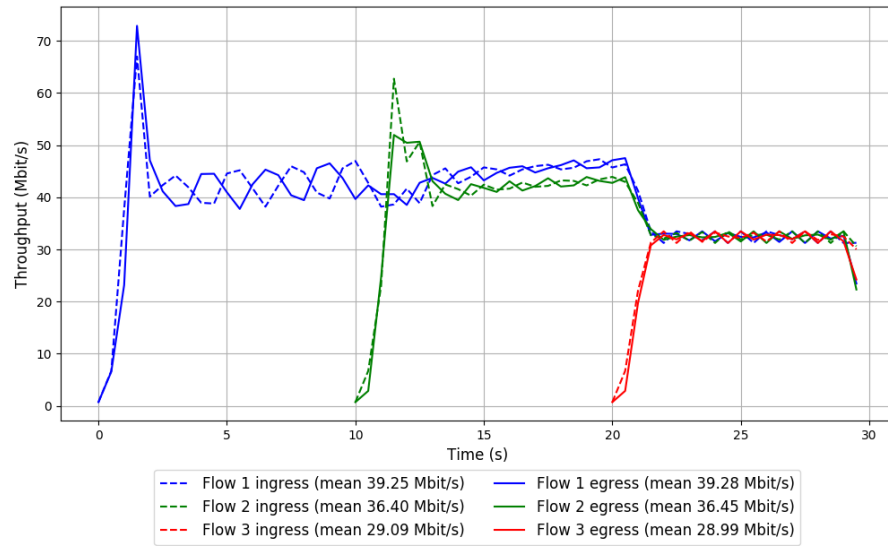
-- Flow 3:

Average throughput: 28.99 Mbit/s

95th percentile per-packet one-way delay: 113.912 ms

Loss rate: 2.32%

Run 4: Report of TCP Vegas — Data Link

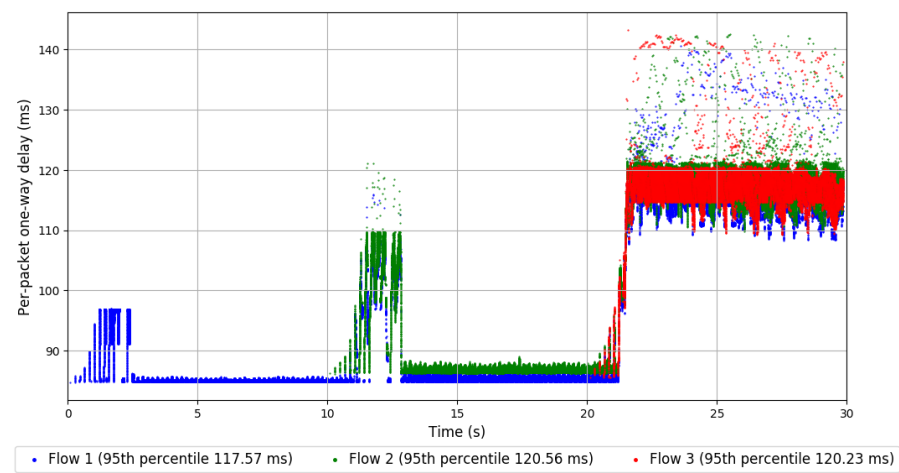
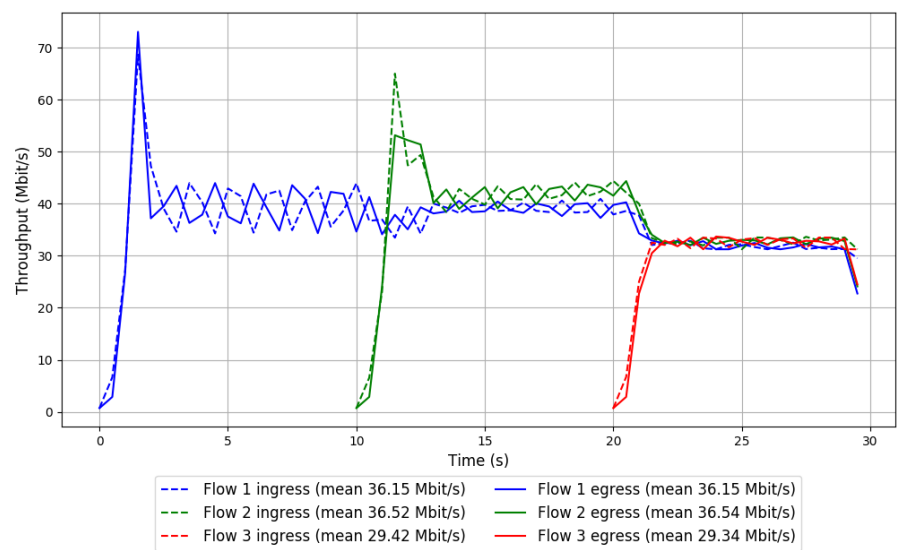


Run 5: Statistics of TCP Vegas

Start at: 2018-02-03 20:54:14
End at: 2018-02-03 20:54:44
Local clock offset: -0.061 ms
Remote clock offset: -1.673 ms

Below is generated by plot.py at 2018-02-04 02:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.01 Mbit/s
95th percentile per-packet one-way delay: 119.738 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 117.569 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 120.557 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 120.228 ms
Loss rate: 2.30%

Run 5: Report of TCP Vegas — Data Link

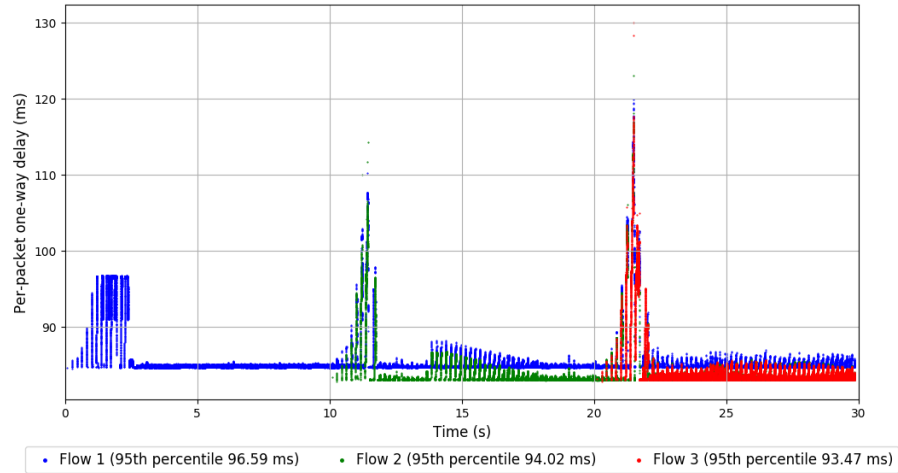
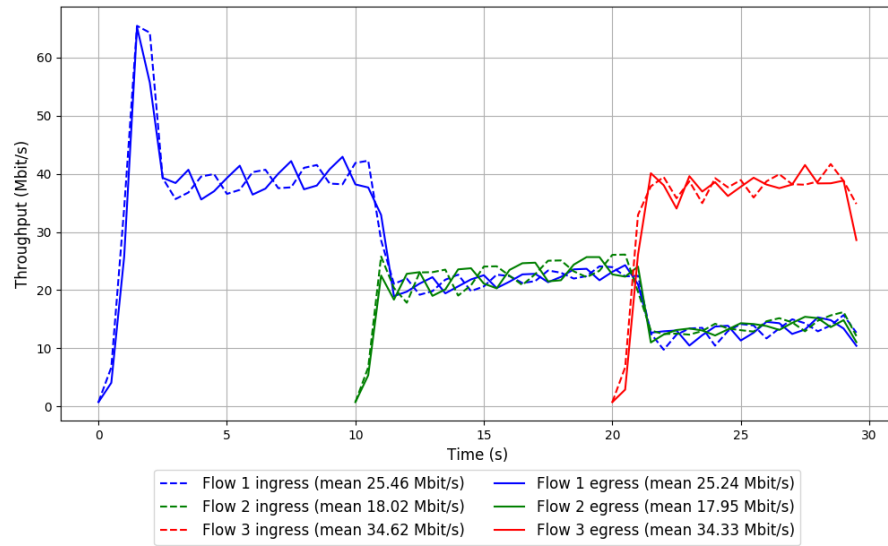


Run 6: Statistics of TCP Vegas

Start at: 2018-02-03 21:16:44
End at: 2018-02-03 21:17:14
Local clock offset: -0.062 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-02-04 02:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 96.090 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 25.24 Mbit/s
95th percentile per-packet one-way delay: 96.586 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 94.023 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 93.473 ms
Loss rate: 2.63%

Run 6: Report of TCP Vegas — Data Link

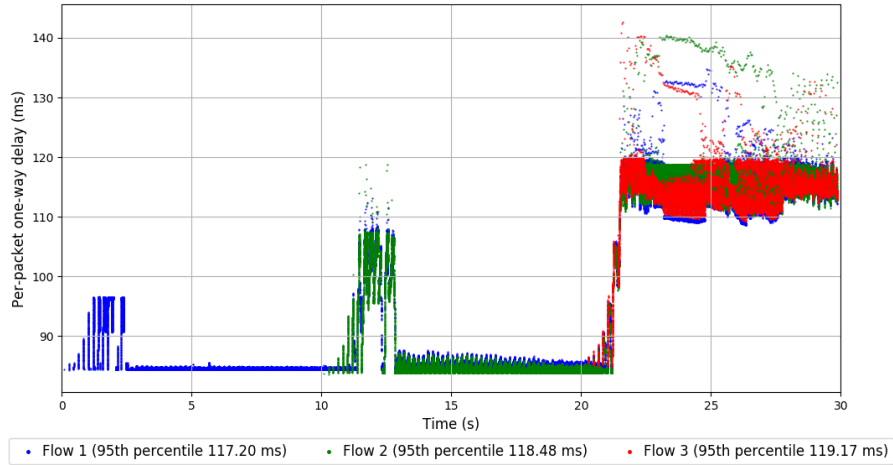
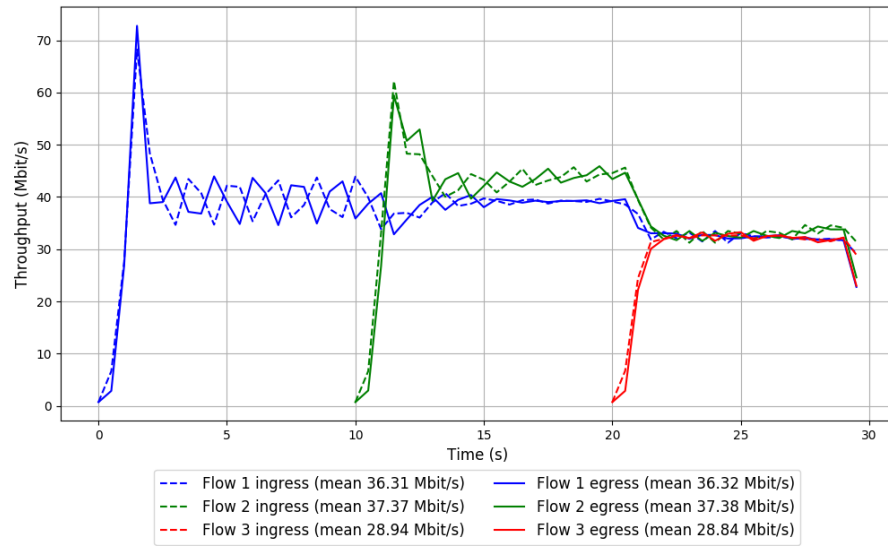


Run 7: Statistics of TCP Vegas

Start at: 2018-02-03 21:39:13
End at: 2018-02-03 21:39:43
Local clock offset: -0.043 ms
Remote clock offset: -2.341 ms

Below is generated by plot.py at 2018-02-04 02:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 118.376 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 36.32 Mbit/s
95th percentile per-packet one-way delay: 117.201 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 118.481 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 28.84 Mbit/s
95th percentile per-packet one-way delay: 119.169 ms
Loss rate: 2.33%

Run 7: Report of TCP Vegas — Data Link

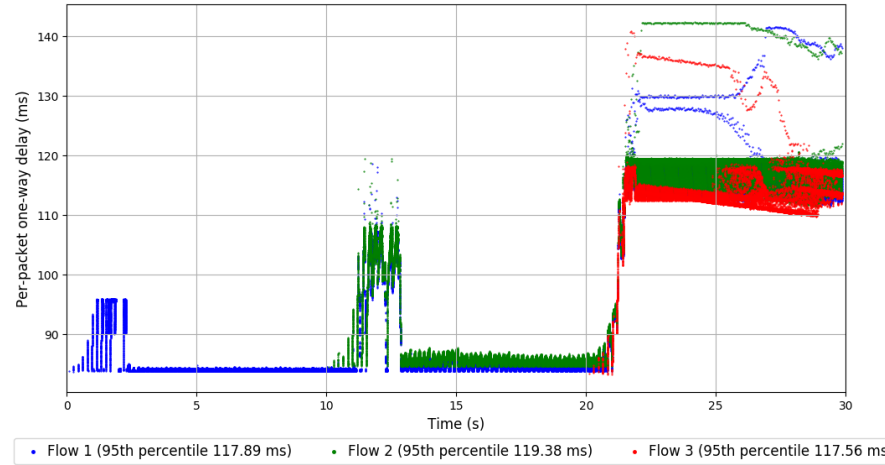
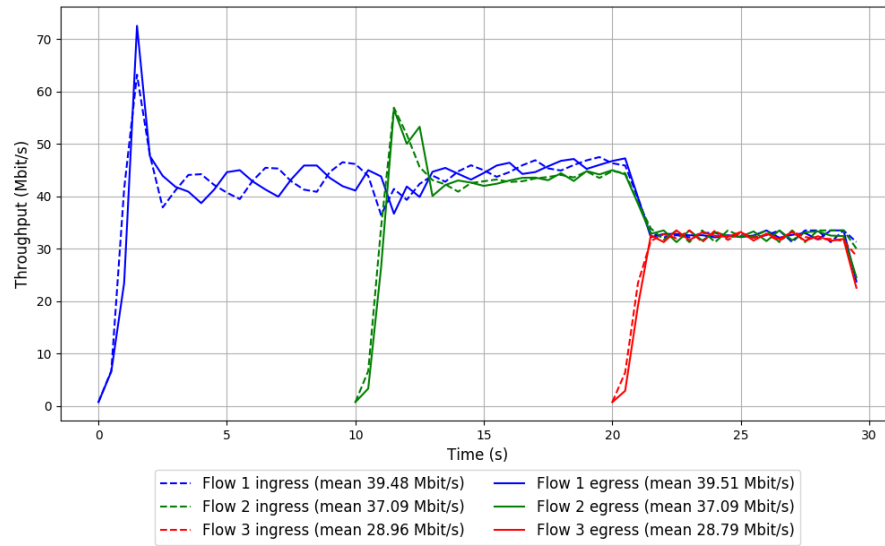


Run 8: Statistics of TCP Vegas

Start at: 2018-02-03 22:01:54
End at: 2018-02-03 22:02:24
Local clock offset: -0.059 ms
Remote clock offset: -2.765 ms

Below is generated by plot.py at 2018-02-04 02:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.55 Mbit/s
95th percentile per-packet one-way delay: 118.659 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 117.895 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 119.382 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 117.565 ms
Loss rate: 2.30%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-03 22:24:41

End at: 2018-02-03 22:25:11

Local clock offset: -0.102 ms

Remote clock offset: 1.878 ms

Below is generated by plot.py at 2018-02-04 02:53:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.55 Mbit/s

95th percentile per-packet one-way delay: 111.935 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 35.90 Mbit/s

95th percentile per-packet one-way delay: 110.229 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 45.13 Mbit/s

95th percentile per-packet one-way delay: 109.198 ms

Loss rate: 0.76%

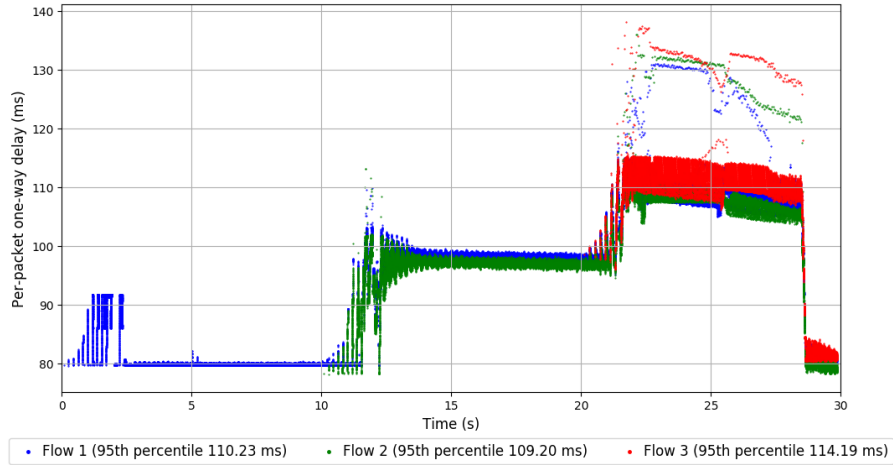
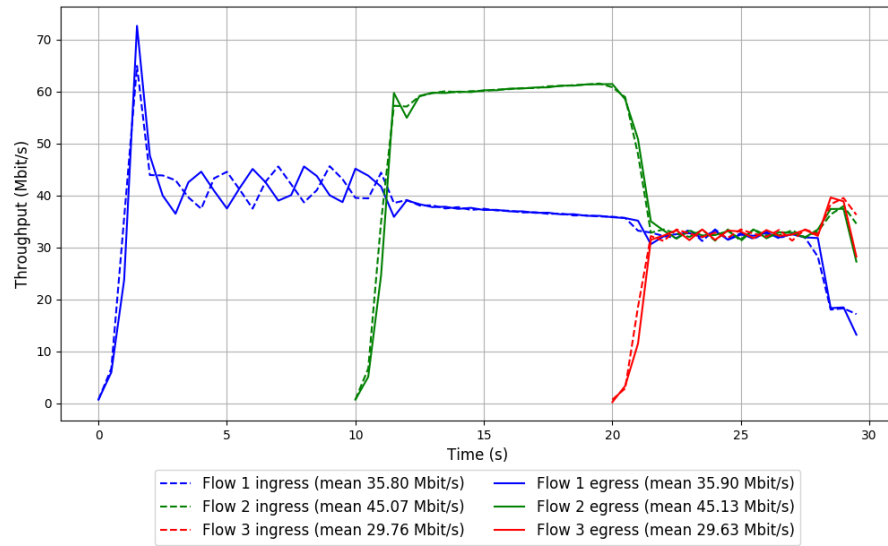
-- Flow 3:

Average throughput: 29.63 Mbit/s

95th percentile per-packet one-way delay: 114.195 ms

Loss rate: 2.45%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-03 22:47:20

End at: 2018-02-03 22:47:50

Local clock offset: -0.086 ms

Remote clock offset: -3.21 ms

Below is generated by plot.py at 2018-02-04 02:53:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.29 Mbit/s

95th percentile per-packet one-way delay: 108.935 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 35.85 Mbit/s

95th percentile per-packet one-way delay: 107.133 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 51.59 Mbit/s

95th percentile per-packet one-way delay: 110.162 ms

Loss rate: 1.36%

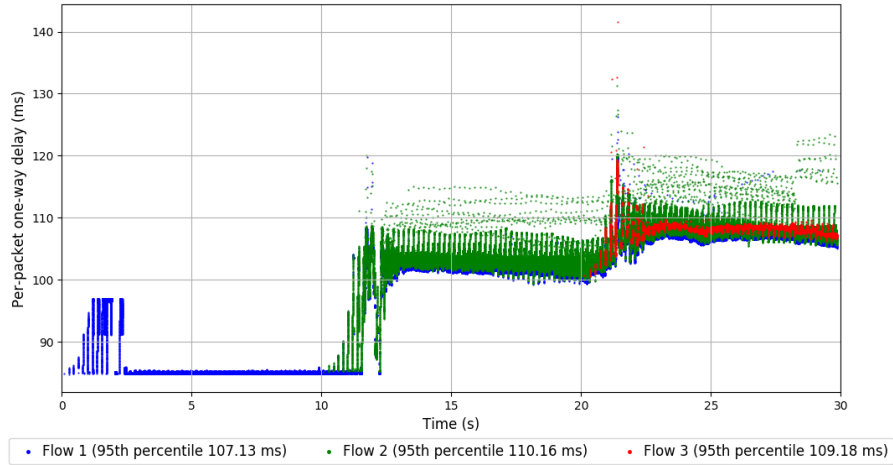
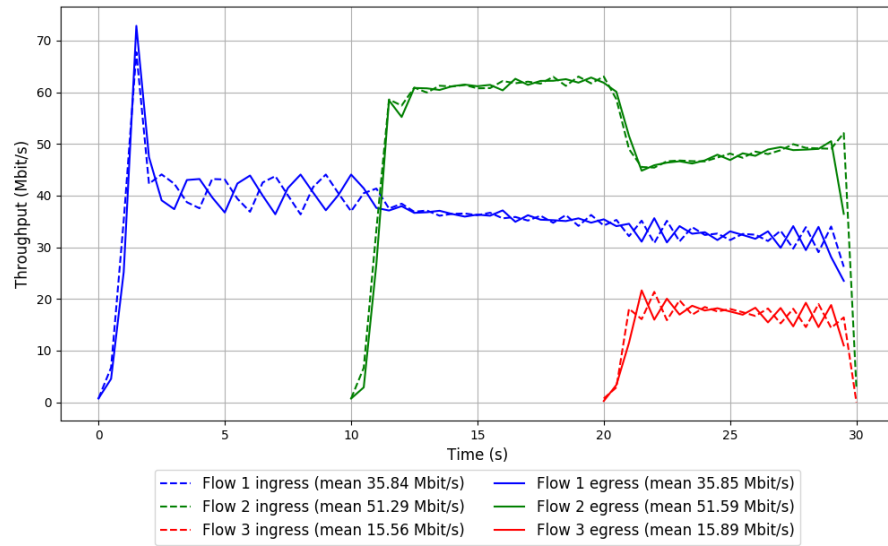
-- Flow 3:

Average throughput: 15.89 Mbit/s

95th percentile per-packet one-way delay: 109.183 ms

Loss rate: 2.09%

Run 10: Report of TCP Vegas — Data Link

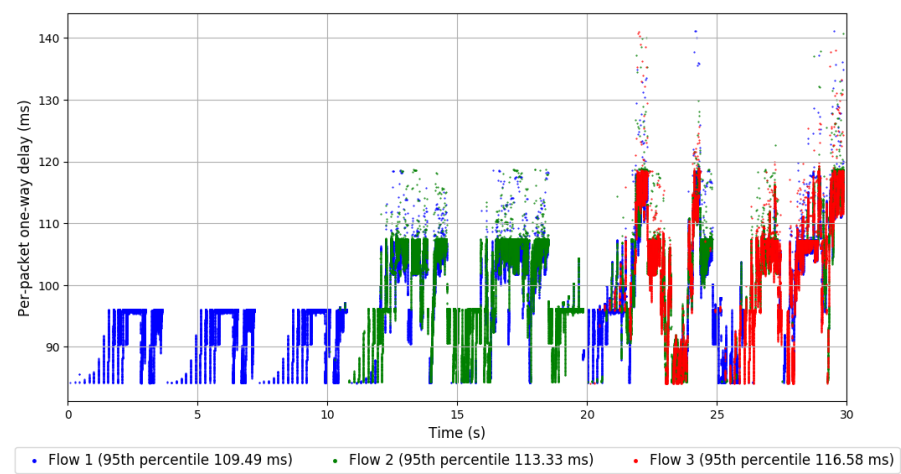
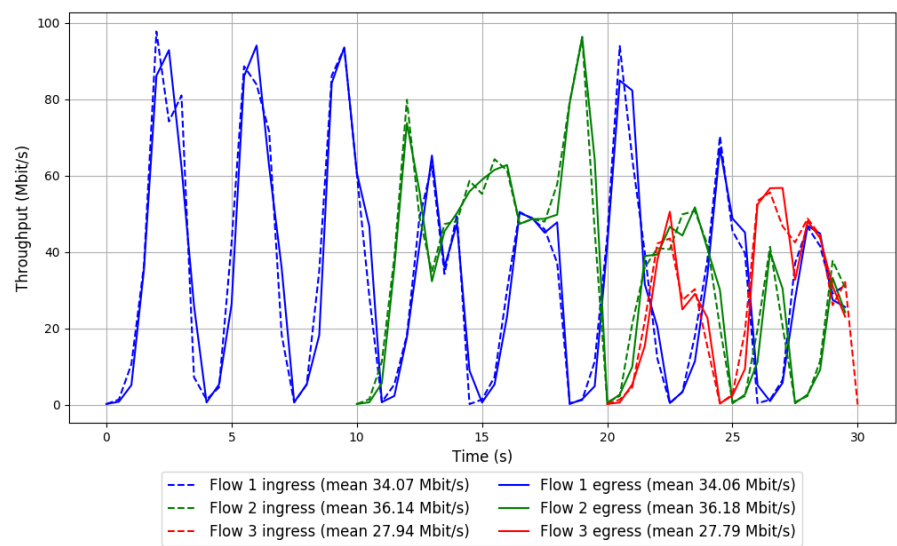


Run 1: Statistics of Verus

Start at: 2018-02-03 19:18:28
End at: 2018-02-03 19:18:58
Local clock offset: -0.241 ms
Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-02-04 02:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.18 Mbit/s
95th percentile per-packet one-way delay: 113.351 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 109.488 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 113.334 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 27.79 Mbit/s
95th percentile per-packet one-way delay: 116.582 ms
Loss rate: 2.74%

Run 1: Report of Verus — Data Link

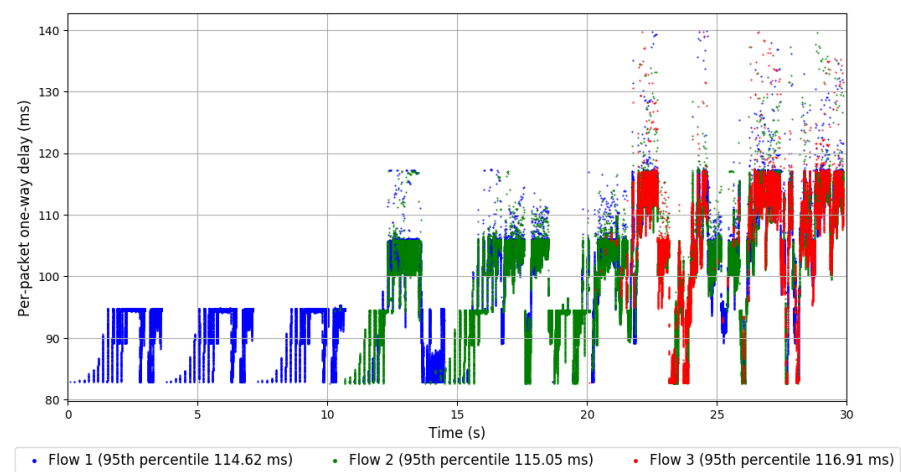
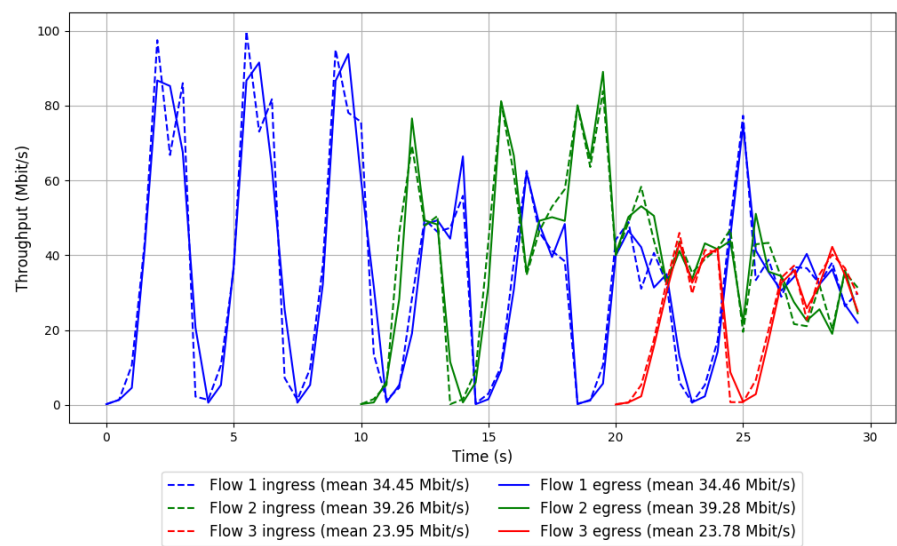


Run 2: Statistics of Verus

Start at: 2018-02-03 19:41:02
End at: 2018-02-03 19:41:32
Local clock offset: -0.292 ms
Remote clock offset: -0.8 ms

Below is generated by plot.py at 2018-02-04 02:54:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 115.455 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 114.625 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 115.051 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 116.905 ms
Loss rate: 2.77%

Run 2: Report of Verus — Data Link

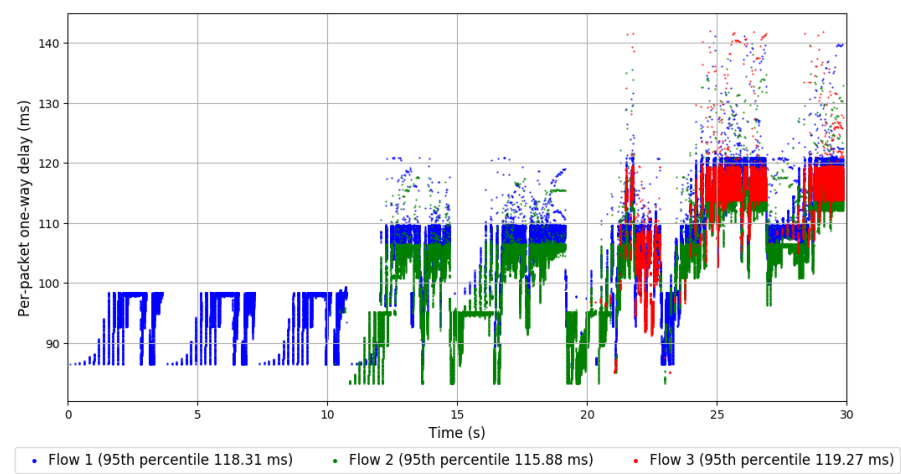
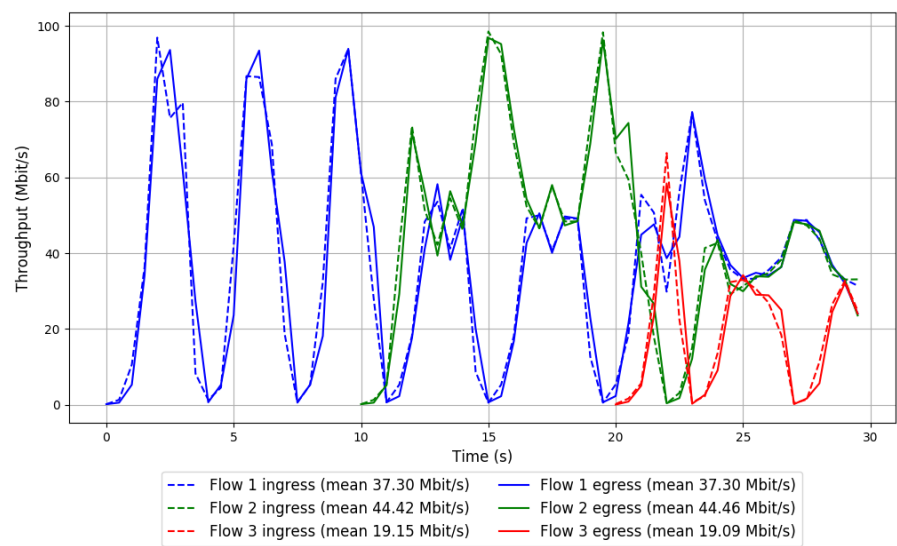


Run 3: Statistics of Verus

Start at: 2018-02-03 20:03:35
End at: 2018-02-03 20:04:05
Local clock offset: -0.265 ms
Remote clock offset: -1.497 ms

Below is generated by plot.py at 2018-02-04 02:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.03 Mbit/s
95th percentile per-packet one-way delay: 117.716 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 118.315 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 115.879 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 19.09 Mbit/s
95th percentile per-packet one-way delay: 119.270 ms
Loss rate: 2.36%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-03 20:26:24

End at: 2018-02-03 20:26:54

Local clock offset: -0.2 ms

Remote clock offset: 3.191 ms

Below is generated by plot.py at 2018-02-04 02:54:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.51 Mbit/s

95th percentile per-packet one-way delay: 113.061 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 31.47 Mbit/s

95th percentile per-packet one-way delay: 112.086 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 41.00 Mbit/s

95th percentile per-packet one-way delay: 112.472 ms

Loss rate: 0.85%

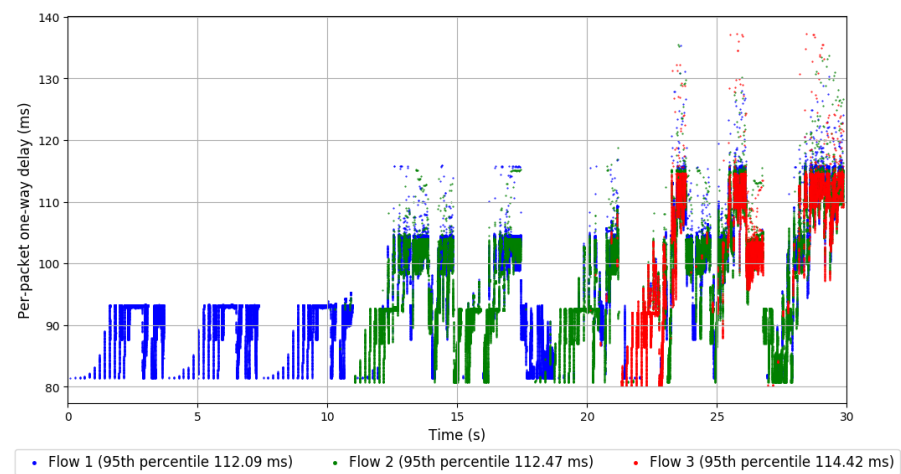
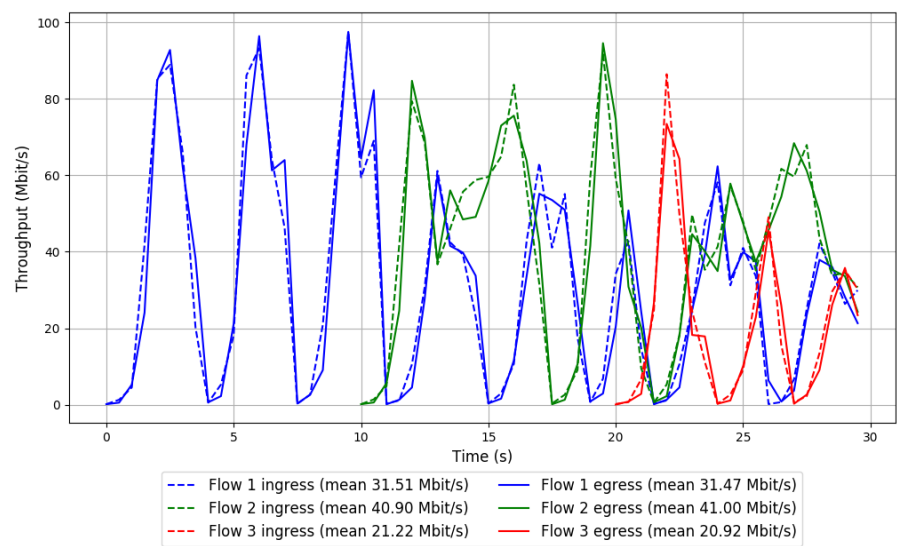
-- Flow 3:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 114.421 ms

Loss rate: 3.36%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-03 20:48:57

End at: 2018-02-03 20:49:27

Local clock offset: -0.058 ms

Remote clock offset: 2.979 ms

Below is generated by plot.py at 2018-02-04 02:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 112.901 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 111.019 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 113.052 ms

Loss rate: 0.98%

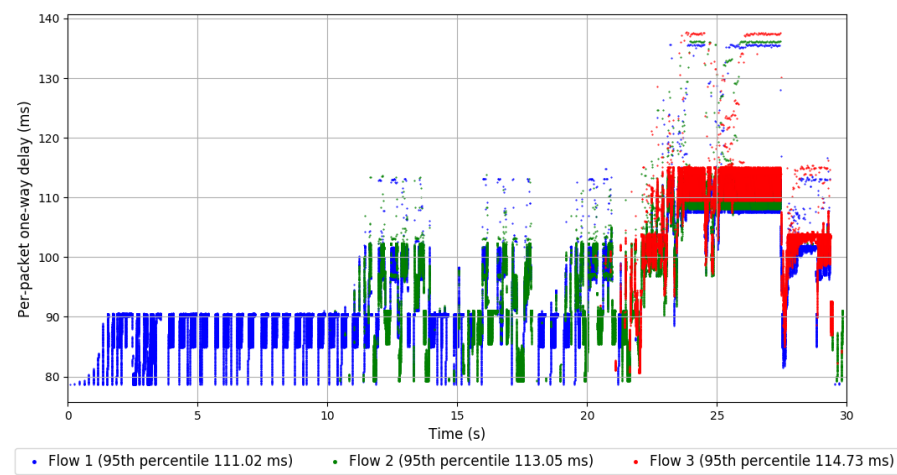
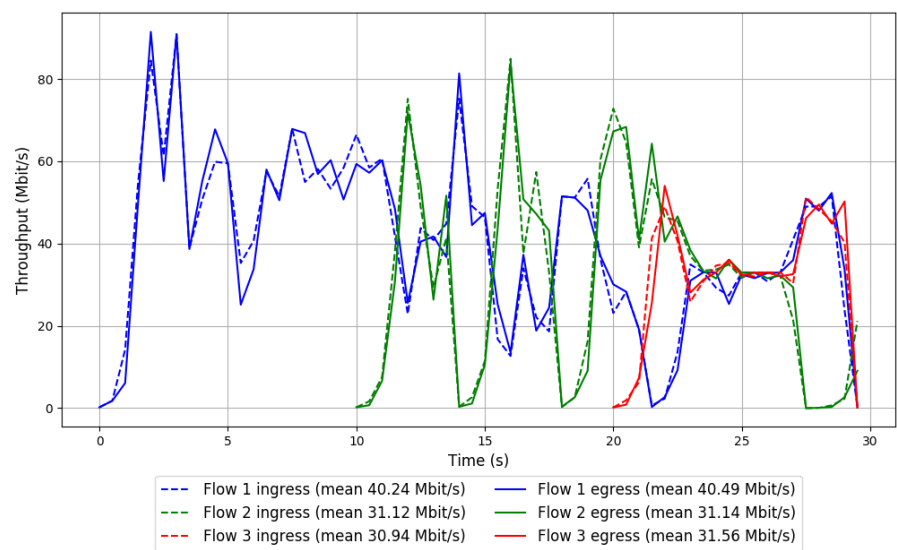
-- Flow 3:

Average throughput: 31.56 Mbit/s

95th percentile per-packet one-way delay: 114.729 ms

Loss rate: 0.03%

Run 5: Report of Verus — Data Link

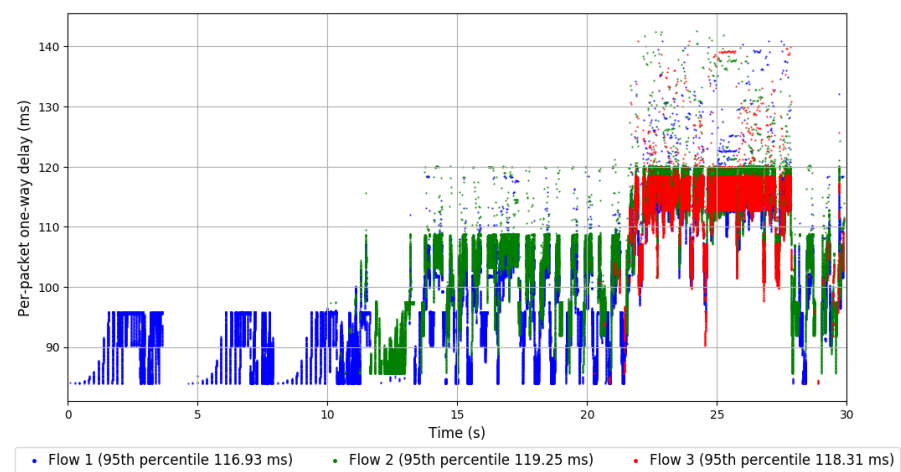
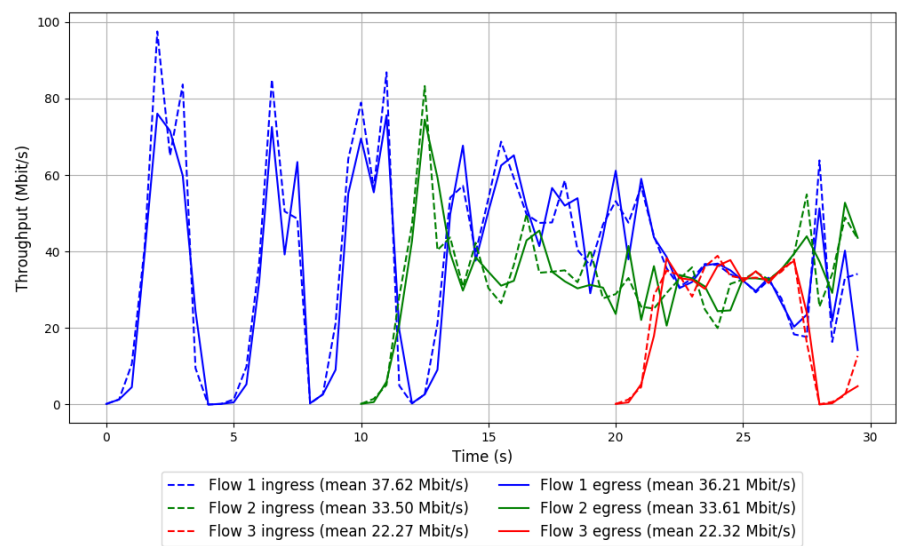


Run 6: Statistics of Verus

Start at: 2018-02-03 21:11:28
End at: 2018-02-03 21:11:58
Local clock offset: -0.05 ms
Remote clock offset: -1.002 ms

Below is generated by plot.py at 2018-02-04 02:54:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.80 Mbit/s
95th percentile per-packet one-way delay: 118.205 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 116.934 ms
Loss rate: 4.38%
-- Flow 2:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 119.247 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 22.32 Mbit/s
95th percentile per-packet one-way delay: 118.308 ms
Loss rate: 1.79%

Run 6: Report of Verus — Data Link

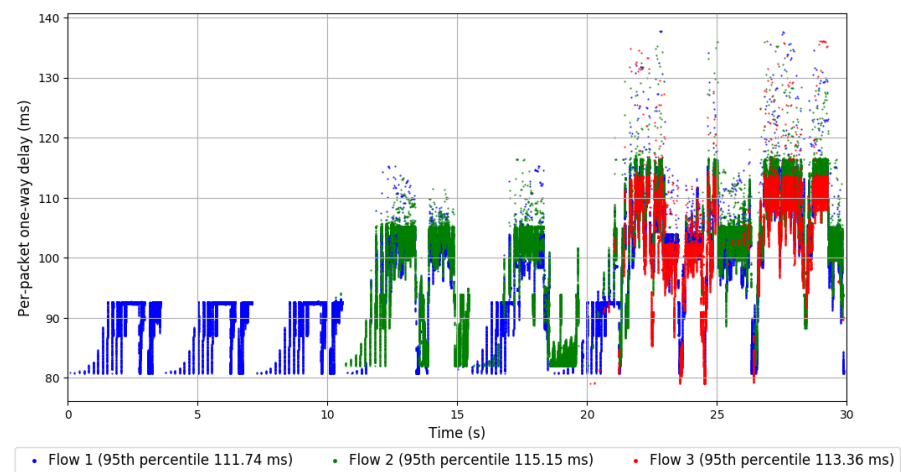
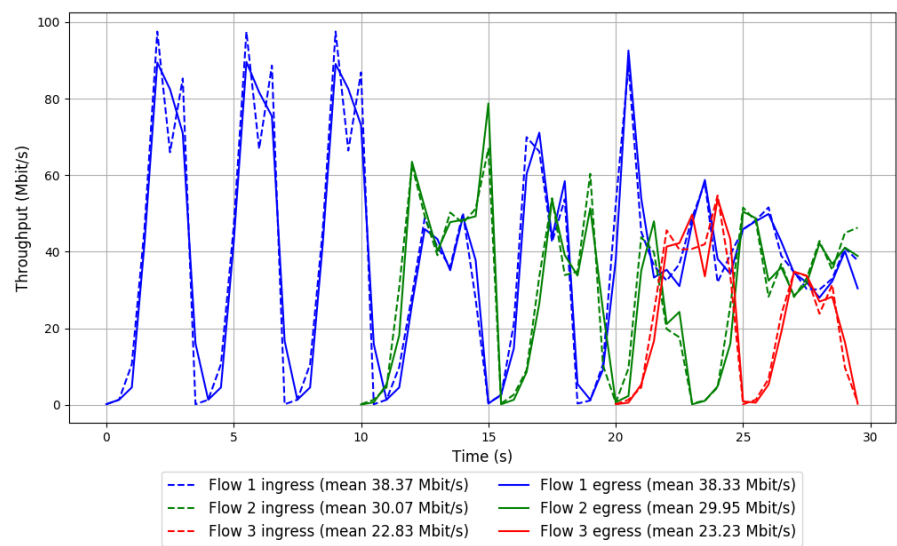


Run 7: Statistics of Verus

Start at: 2018-02-03 21:33:57
End at: 2018-02-03 21:34:27
Local clock offset: -0.015 ms
Remote clock offset: 2.315 ms

Below is generated by plot.py at 2018-02-04 02:54:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.77 Mbit/s
95th percentile per-packet one-way delay: 113.378 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 111.744 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 115.147 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 113.359 ms
Loss rate: 0.08%

Run 7: Report of Verus — Data Link

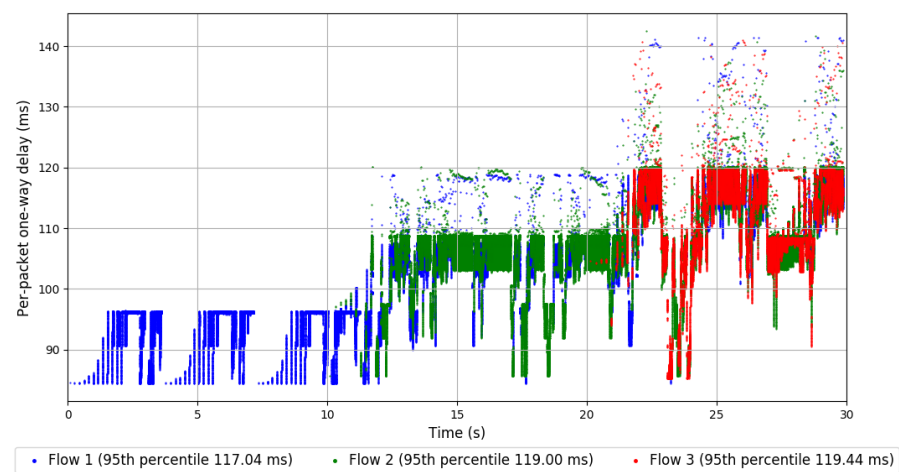
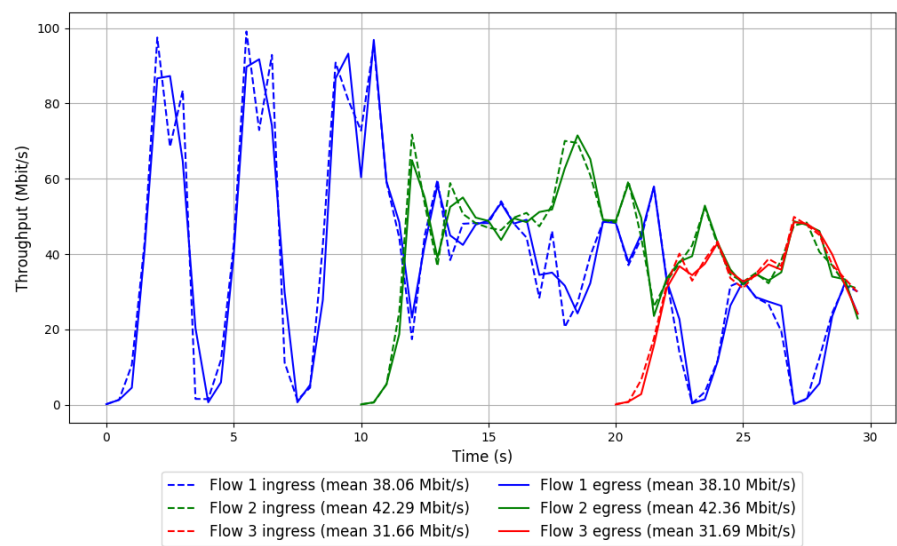


Run 8: Statistics of Verus

Start at: 2018-02-03 21:56:37
End at: 2018-02-03 21:57:07
Local clock offset: -0.047 ms
Remote clock offset: -1.794 ms

Below is generated by plot.py at 2018-02-04 02:55:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.53 Mbit/s
95th percentile per-packet one-way delay: 118.456 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 117.040 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 42.36 Mbit/s
95th percentile per-packet one-way delay: 118.998 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 119.443 ms
Loss rate: 2.30%

Run 8: Report of Verus — Data Link

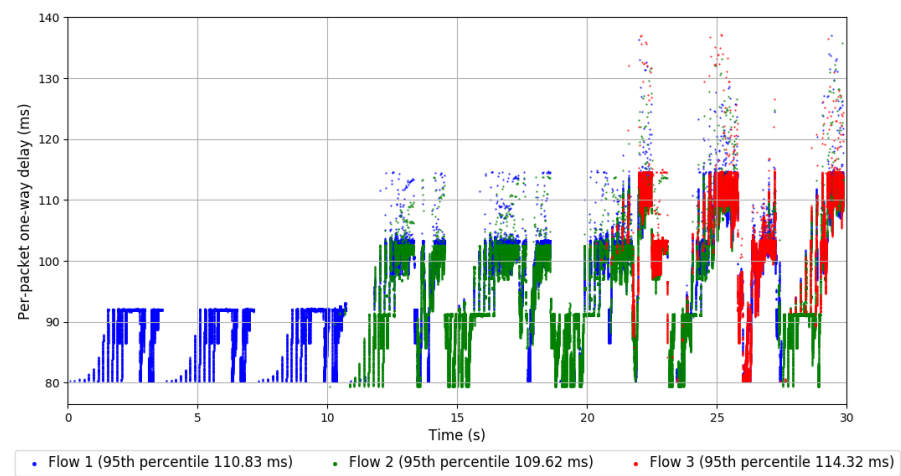
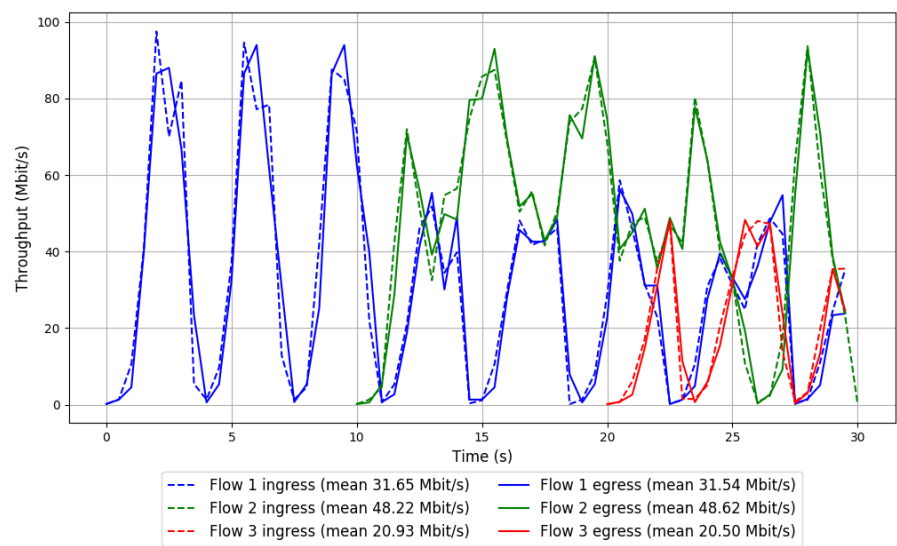


Run 9: Statistics of Verus

Start at: 2018-02-03 22:19:23
End at: 2018-02-03 22:19:54
Local clock offset: -0.066 ms
Remote clock offset: 2.823 ms

Below is generated by plot.py at 2018-02-04 02:55:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.50 Mbit/s
95th percentile per-packet one-way delay: 111.751 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 110.831 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 109.618 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 20.50 Mbit/s
95th percentile per-packet one-way delay: 114.316 ms
Loss rate: 4.32%

Run 9: Report of Verus — Data Link

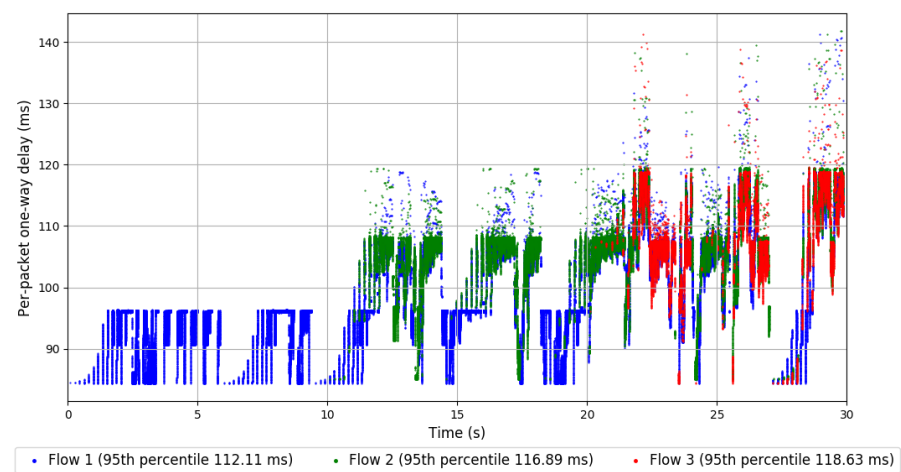
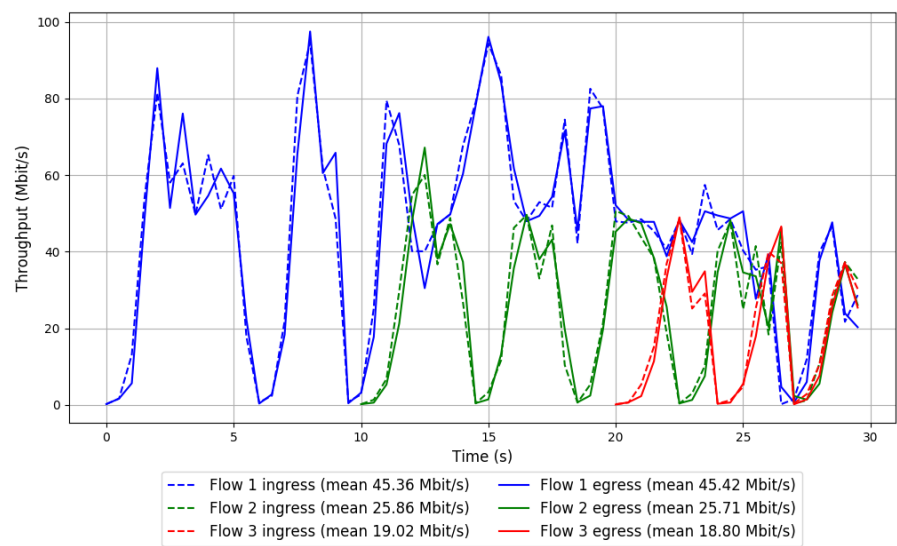


Run 10: Statistics of Verus

Start at: 2018-02-03 22:42:03
End at: 2018-02-03 22:42:33
Local clock offset: -0.062 ms
Remote clock offset: -3.939 ms

Below is generated by plot.py at 2018-02-04 02:55:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.62 Mbit/s
95th percentile per-packet one-way delay: 115.769 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 112.110 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 116.891 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 18.80 Mbit/s
95th percentile per-packet one-way delay: 118.633 ms
Loss rate: 3.27%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-03 19:25:03

End at: 2018-02-03 19:25:33

Local clock offset: -0.23 ms

Remote clock offset: 1.586 ms

Below is generated by plot.py at 2018-02-04 02:56:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.26 Mbit/s

95th percentile per-packet one-way delay: 90.386 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 50.49 Mbit/s

95th percentile per-packet one-way delay: 88.874 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 31.93 Mbit/s

95th percentile per-packet one-way delay: 91.329 ms

Loss rate: 0.97%

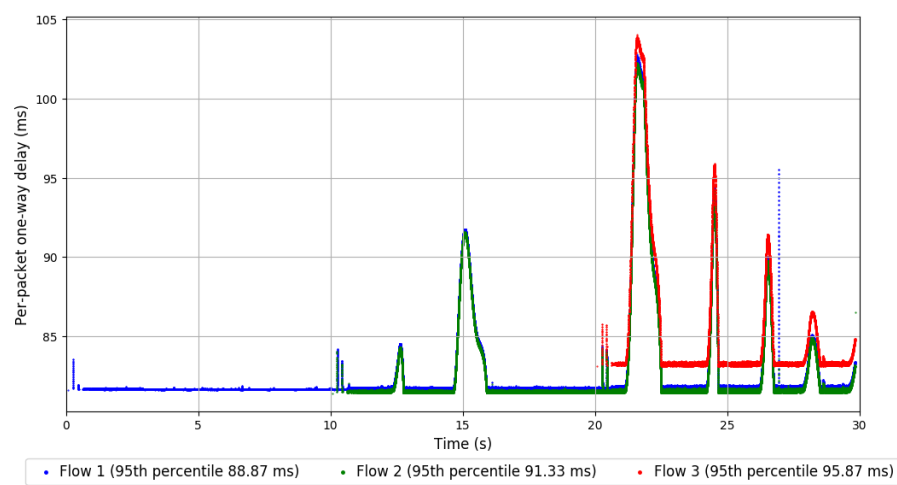
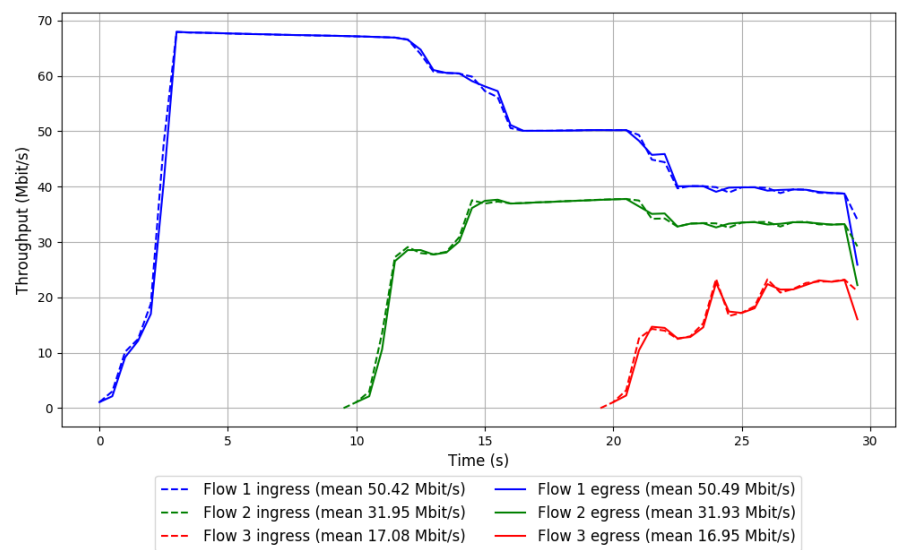
-- Flow 3:

Average throughput: 16.95 Mbit/s

95th percentile per-packet one-way delay: 95.872 ms

Loss rate: 2.65%

Run 1: Report of Copa — Data Link

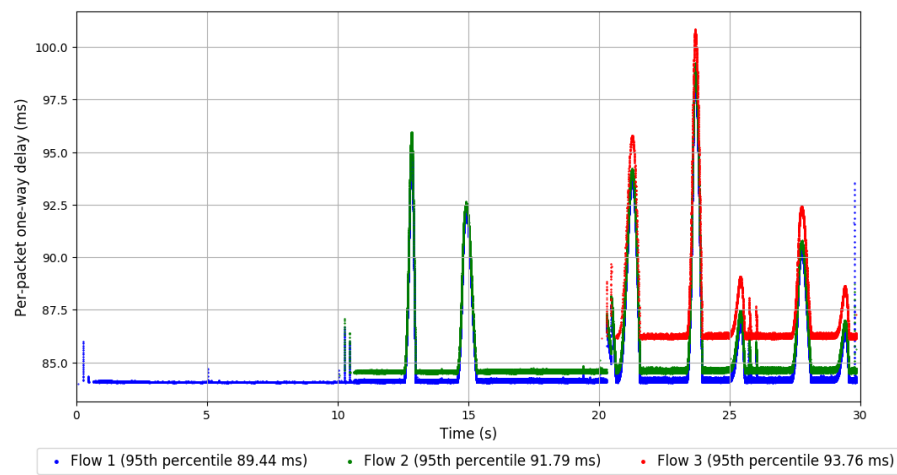
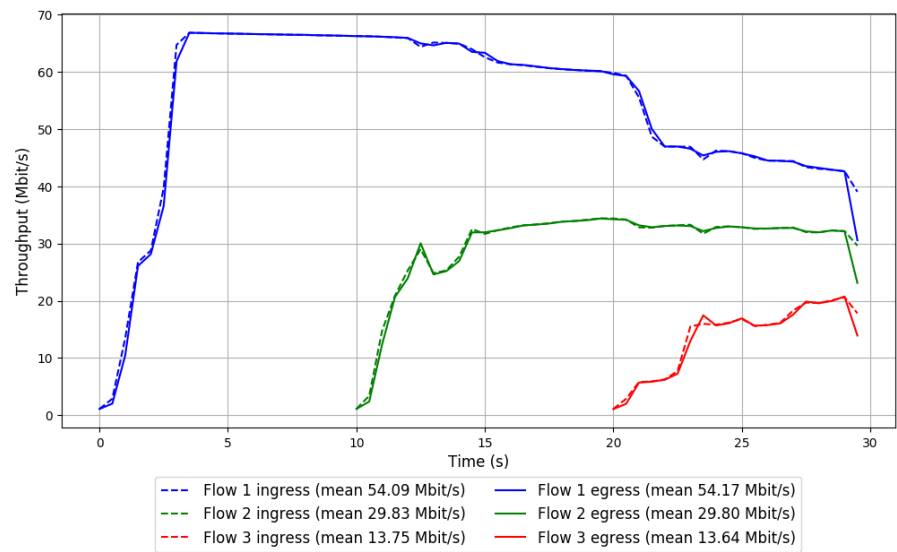


Run 2: Statistics of Copa

Start at: 2018-02-03 19:47:37
End at: 2018-02-03 19:48:07
Local clock offset: -0.202 ms
Remote clock offset: -0.783 ms

Below is generated by plot.py at 2018-02-04 02:56:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 90.512 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 54.17 Mbit/s
95th percentile per-packet one-way delay: 89.442 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 91.790 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 93.762 ms
Loss rate: 2.66%

Run 2: Report of Copa — Data Link

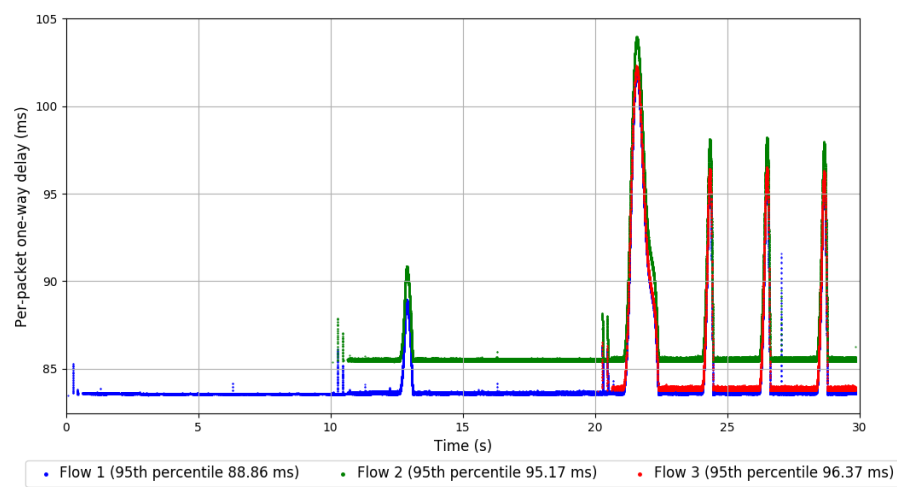
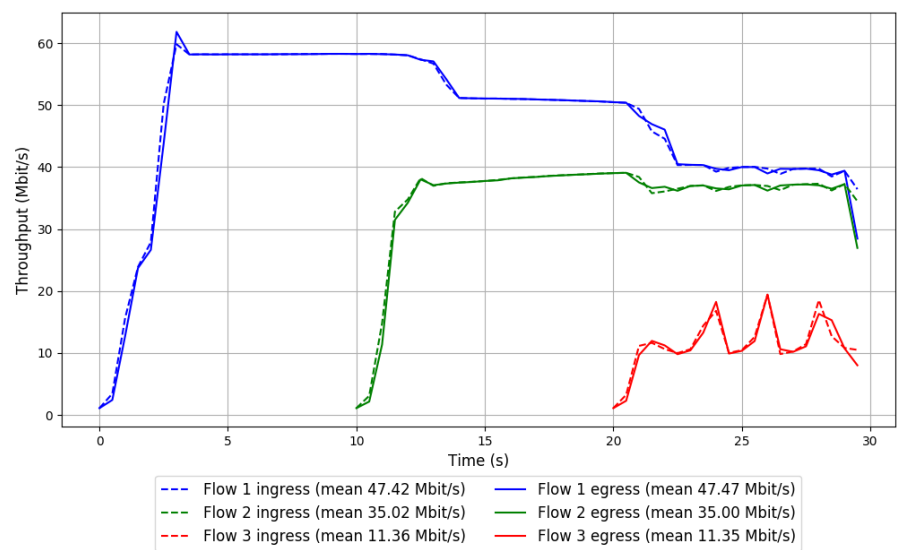


Run 3: Statistics of Copa

Start at: 2018-02-03 20:10:11
End at: 2018-02-03 20:10:41
Local clock offset: -0.197 ms
Remote clock offset: -1.507 ms

Below is generated by plot.py at 2018-02-04 02:56:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 92.254 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 88.859 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 95.165 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 11.35 Mbit/s
95th percentile per-packet one-way delay: 96.374 ms
Loss rate: 1.91%

Run 3: Report of Copa — Data Link

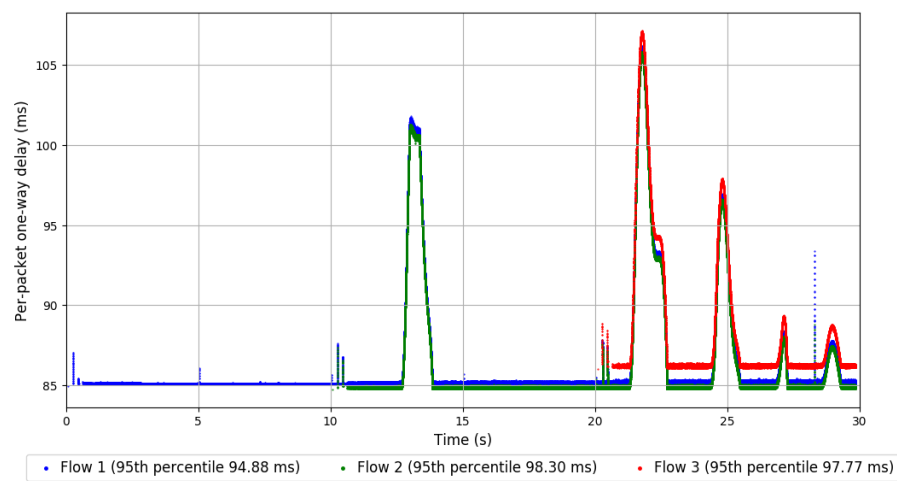
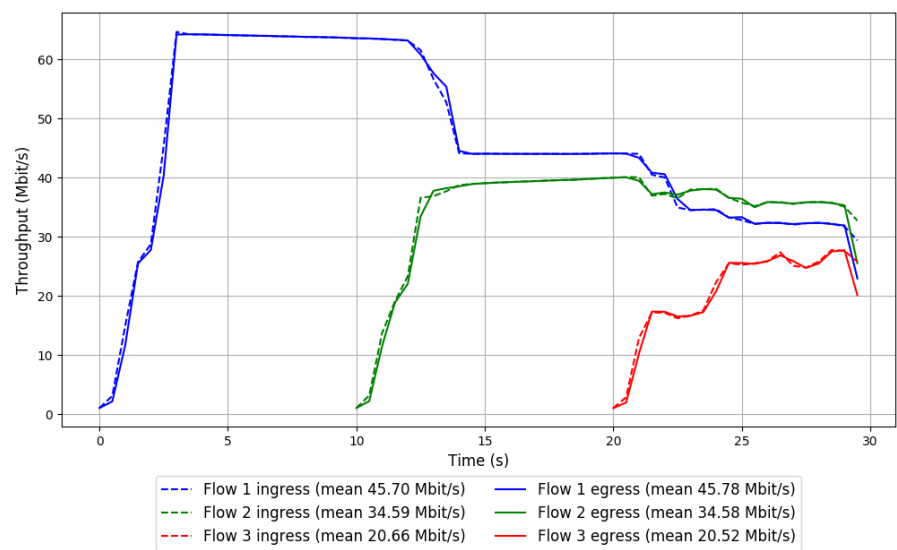


Run 4: Statistics of Copa

Start at: 2018-02-03 20:32:58
End at: 2018-02-03 20:33:28
Local clock offset: -0.124 ms
Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-02-04 02:56:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.47 Mbit/s
95th percentile per-packet one-way delay: 96.483 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 94.881 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 98.297 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 97.772 ms
Loss rate: 2.55%

Run 4: Report of Copa — Data Link

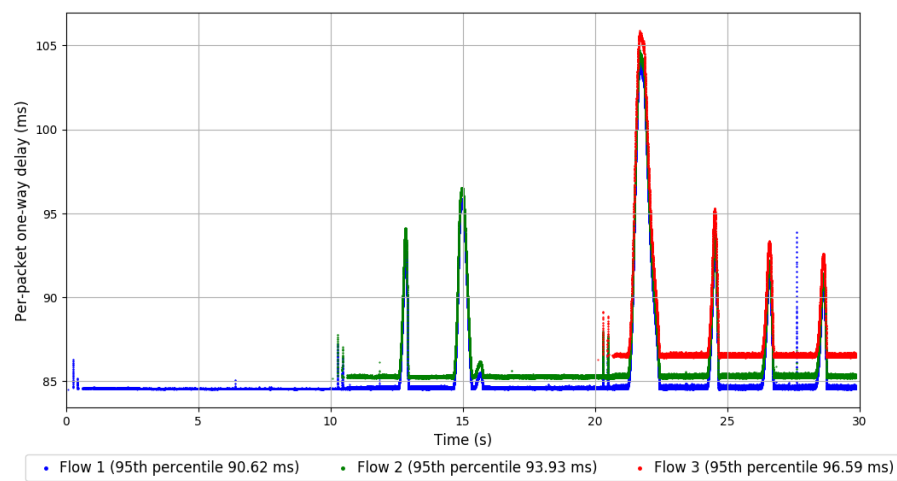
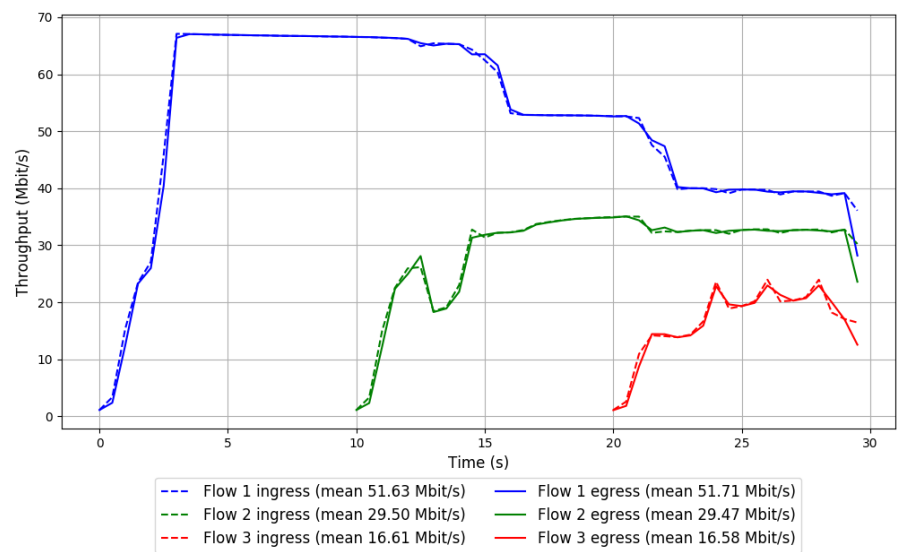


Run 5: Statistics of Copa

Start at: 2018-02-03 20:55:33
End at: 2018-02-03 20:56:03
Local clock offset: -0.11 ms
Remote clock offset: -1.653 ms

Below is generated by plot.py at 2018-02-04 02:57:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.71 Mbit/s
95th percentile per-packet one-way delay: 92.376 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 90.622 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 93.931 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 16.58 Mbit/s
95th percentile per-packet one-way delay: 96.593 ms
Loss rate: 2.08%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-03 21:18:01

End at: 2018-02-03 21:18:31

Local clock offset: -0.046 ms

Remote clock offset: 3.423 ms

Below is generated by plot.py at 2018-02-04 02:57:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.12 Mbit/s

95th percentile per-packet one-way delay: 87.241 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 51.57 Mbit/s

95th percentile per-packet one-way delay: 86.230 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 34.50 Mbit/s

95th percentile per-packet one-way delay: 87.859 ms

Loss rate: 0.97%

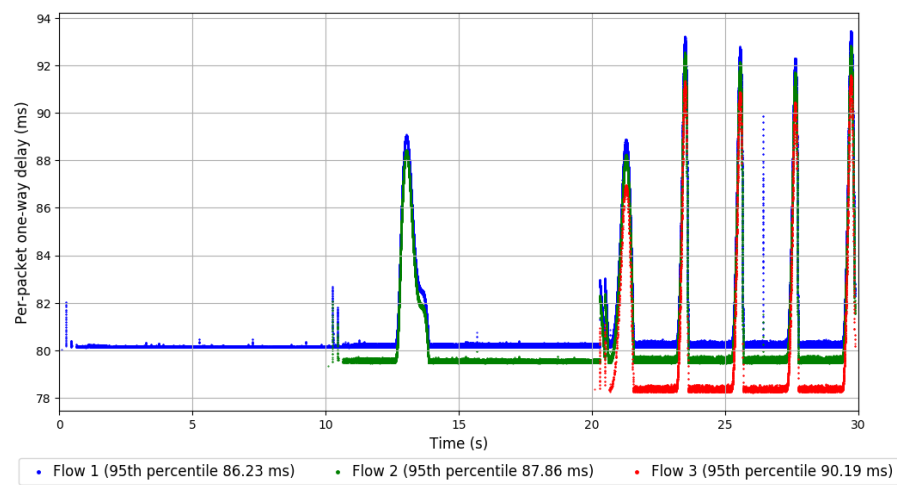
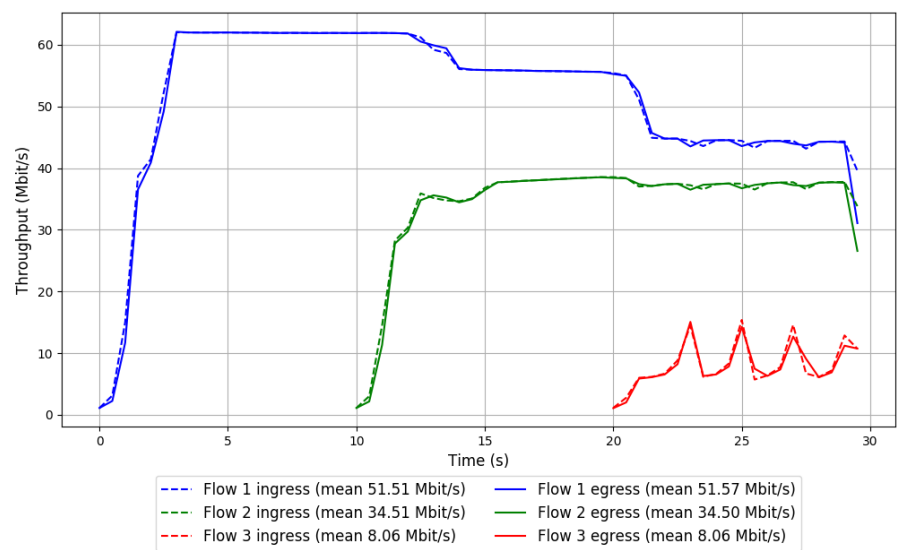
-- Flow 3:

Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 90.195 ms

Loss rate: 1.83%

Run 6: Report of Copa — Data Link

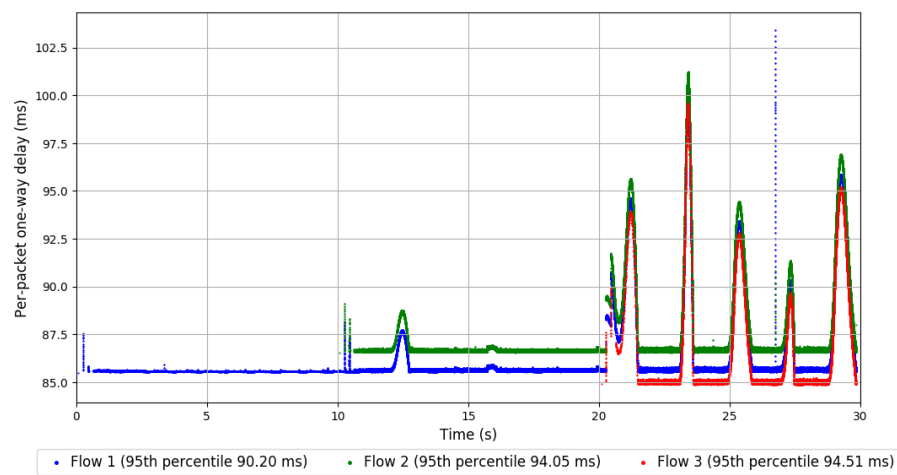
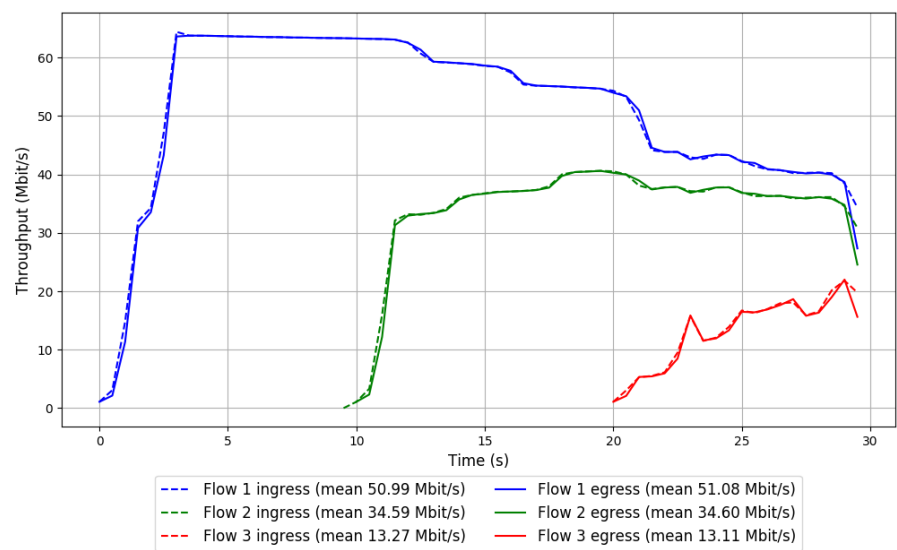


Run 7: Statistics of Copa

Start at: 2018-02-03 21:40:32
End at: 2018-02-03 21:41:02
Local clock offset: -0.051 ms
Remote clock offset: -2.434 ms

Below is generated by plot.py at 2018-02-04 02:57:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 92.336 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 51.08 Mbit/s
95th percentile per-packet one-way delay: 90.203 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 94.048 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 94.511 ms
Loss rate: 3.05%

Run 7: Report of Copa — Data Link

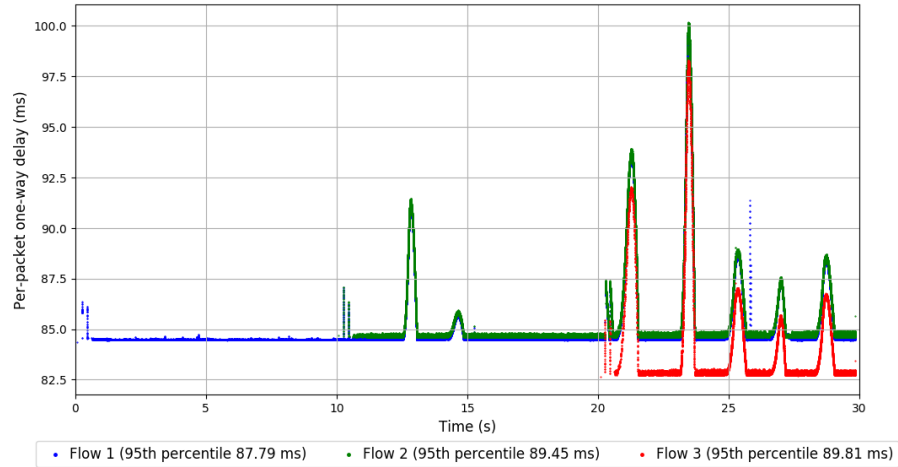
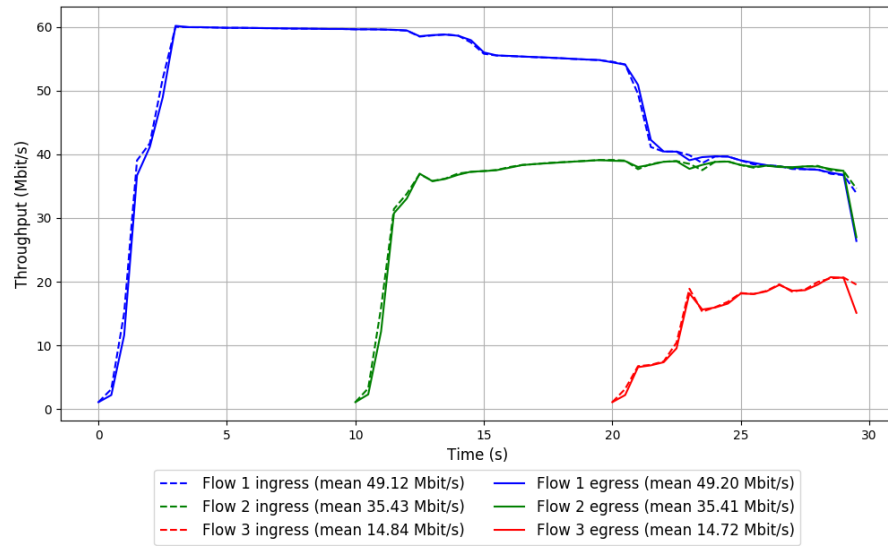


Run 8: Statistics of Copa

Start at: 2018-02-03 22:03:13
End at: 2018-02-03 22:03:43
Local clock offset: -0.106 ms
Remote clock offset: -1.996 ms

Below is generated by plot.py at 2018-02-04 02:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 88.428 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 87.787 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 89.450 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 89.805 ms
Loss rate: 2.67%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-03 22:26:00

End at: 2018-02-03 22:26:30

Local clock offset: -0.07 ms

Remote clock offset: 1.931 ms

Below is generated by plot.py at 2018-02-04 02:58:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 87.165 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 51.30 Mbit/s

95th percentile per-packet one-way delay: 86.771 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 88.268 ms

Loss rate: 0.95%

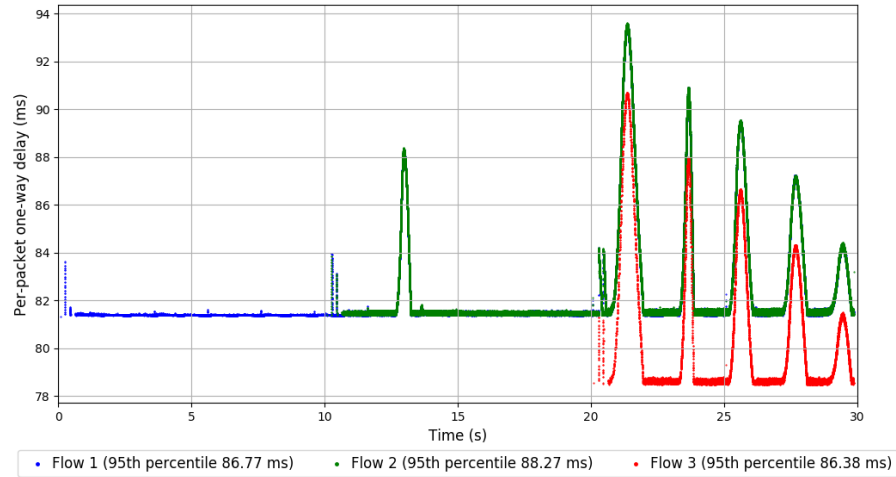
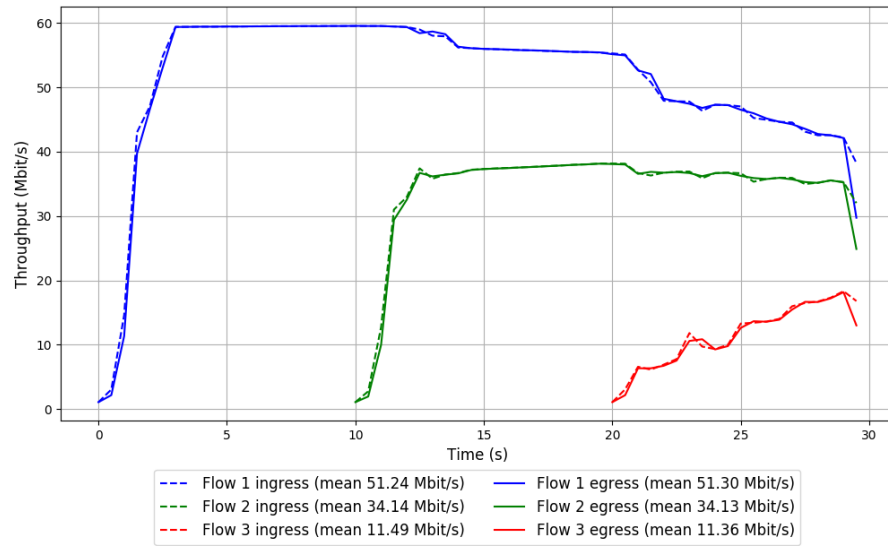
-- Flow 3:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 86.376 ms

Loss rate: 2.95%

Run 9: Report of Copa — Data Link

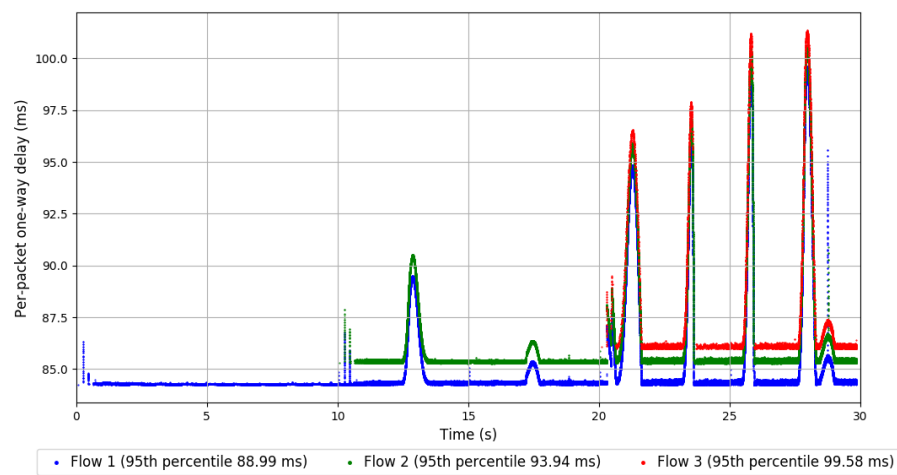
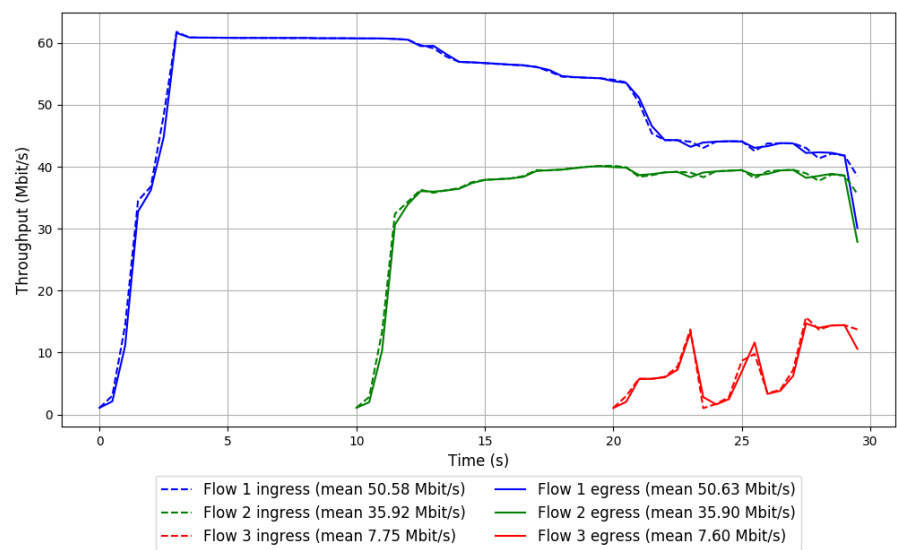


Run 10: Statistics of Copa

Start at: 2018-02-03 22:48:39
End at: 2018-02-03 22:49:09
Local clock offset: -0.068 ms
Remote clock offset: -4.103 ms

Below is generated by plot.py at 2018-02-04 02:58:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 91.418 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 88.987 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 93.938 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 99.584 ms
Loss rate: 3.67%

Run 10: Report of Copa — Data Link

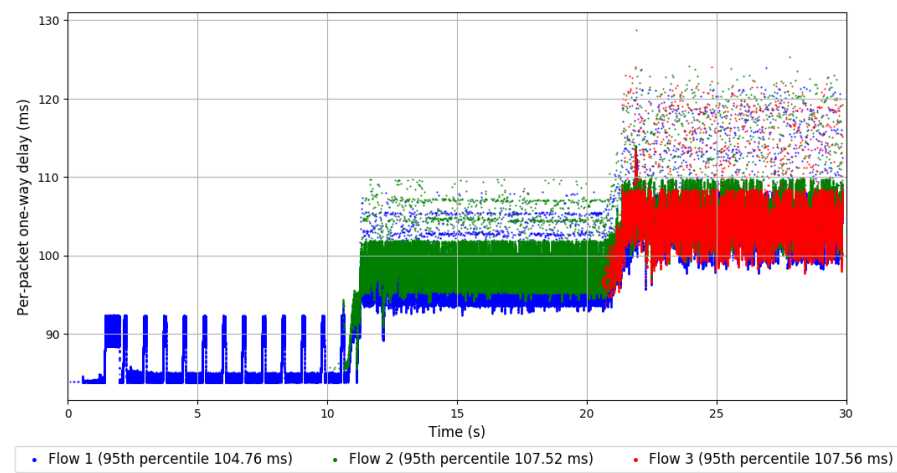
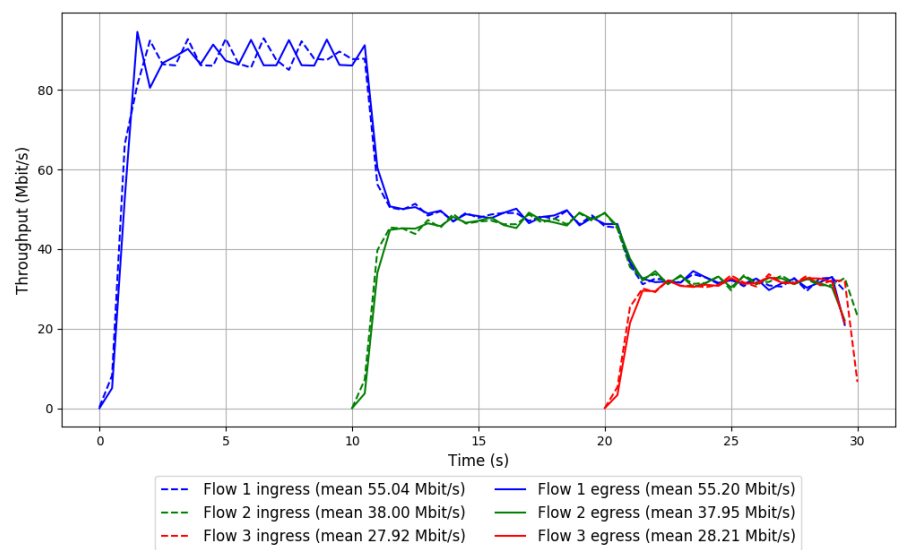


Run 1: Statistics of FillP

Start at: 2018-02-03 19:19:48
End at: 2018-02-03 19:20:18
Local clock offset: -0.245 ms
Remote clock offset: -1.263 ms

Below is generated by plot.py at 2018-02-04 02:59:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 106.509 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 55.20 Mbit/s
95th percentile per-packet one-way delay: 104.756 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 107.517 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 107.558 ms
Loss rate: 4.12%

Run 1: Report of FillP — Data Link

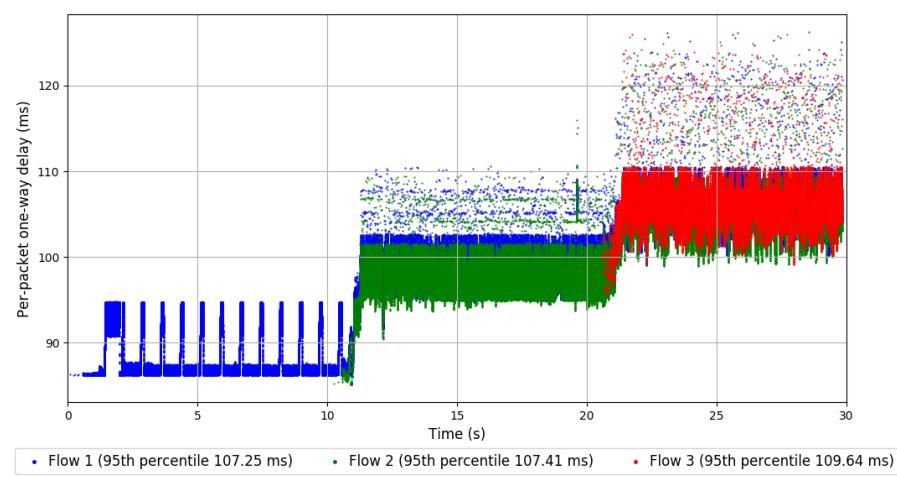
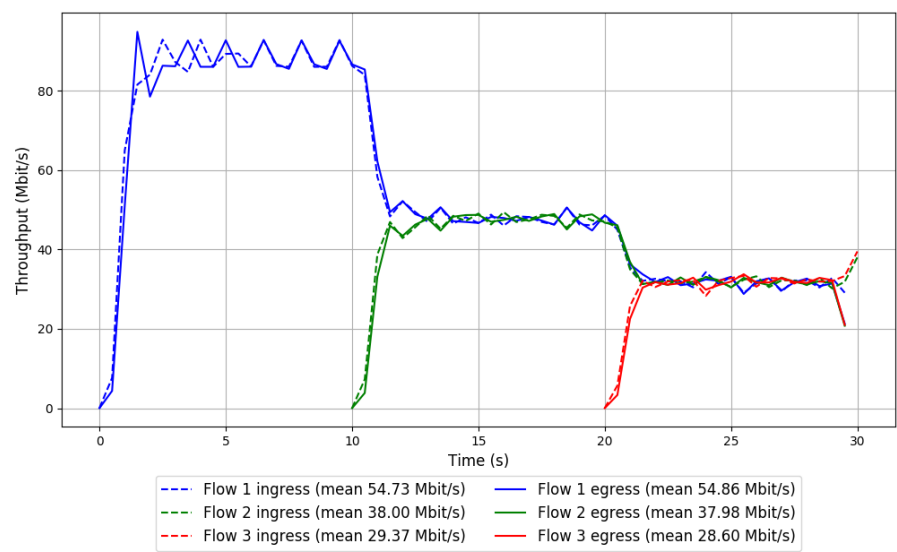


Run 2: Statistics of FillP

Start at: 2018-02-03 19:42:22
End at: 2018-02-03 19:42:52
Local clock offset: -0.267 ms
Remote clock offset: -1.513 ms

Below is generated by plot.py at 2018-02-04 02:59:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 107.866 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 107.255 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 107.411 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 109.637 ms
Loss rate: 9.47%

Run 2: Report of FillP — Data Link

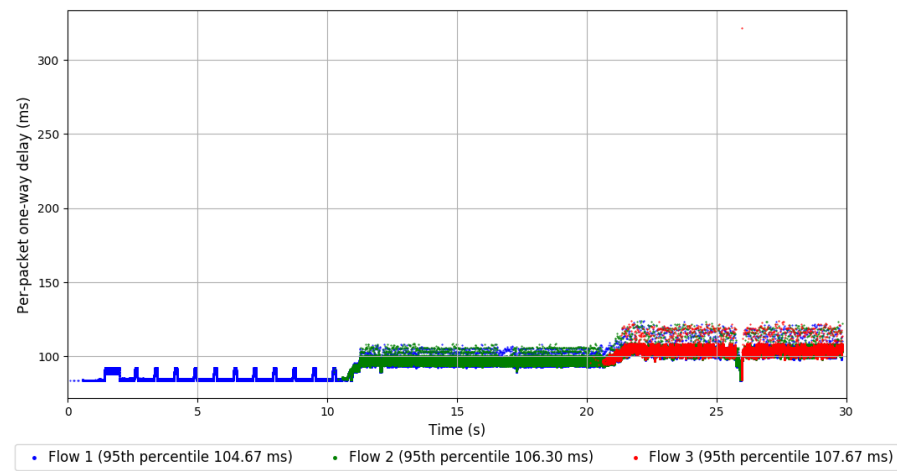
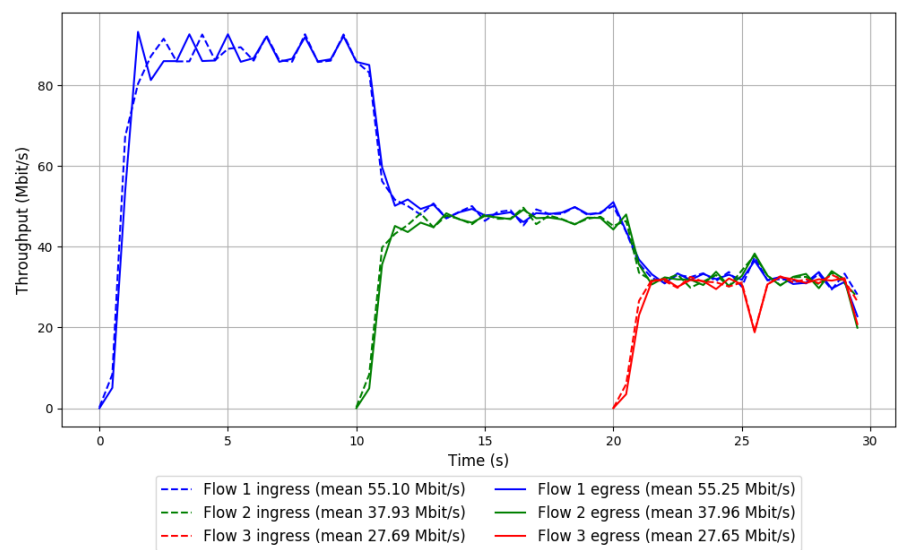


Run 3: Statistics of FillP

Start at: 2018-02-03 20:04:56
End at: 2018-02-03 20:05:26
Local clock offset: -0.211 ms
Remote clock offset: -0.661 ms

Below is generated by plot.py at 2018-02-04 02:59:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 105.894 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 104.667 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 106.296 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 107.673 ms
Loss rate: 2.28%

Run 3: Report of FillP — Data Link

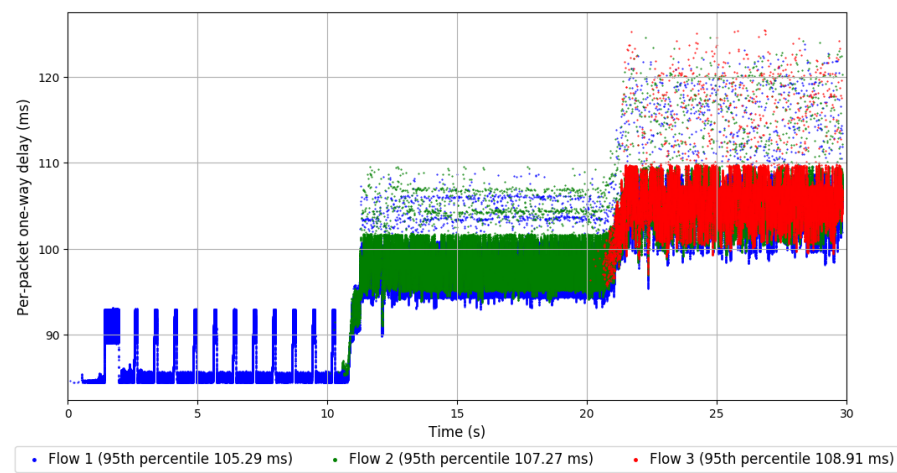
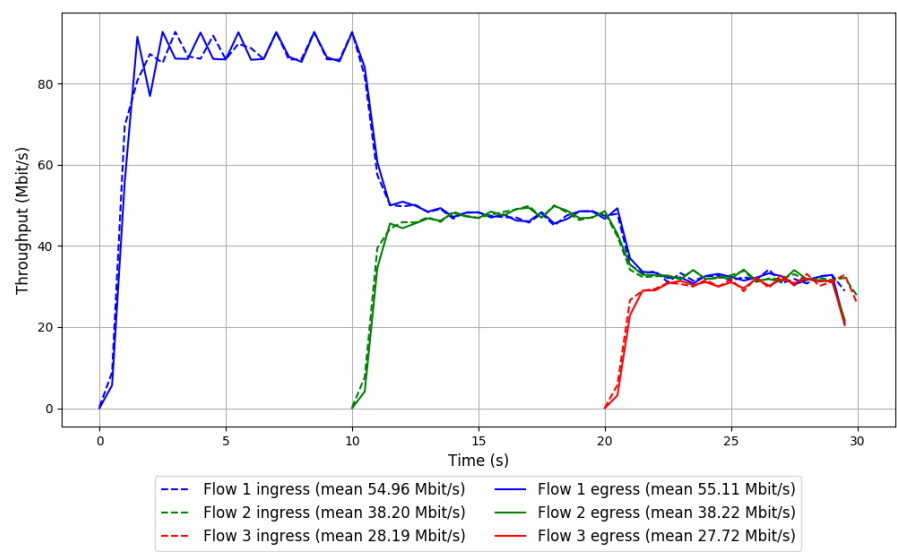


Run 4: Statistics of FillP

Start at: 2018-02-03 20:27:44
End at: 2018-02-03 20:28:14
Local clock offset: -0.118 ms
Remote clock offset: -0.601 ms

Below is generated by plot.py at 2018-02-04 02:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 106.956 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 55.11 Mbit/s
95th percentile per-packet one-way delay: 105.289 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 107.270 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 108.912 ms
Loss rate: 7.62%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-03 20:50:17

End at: 2018-02-03 20:50:47

Local clock offset: -0.128 ms

Remote clock offset: 2.925 ms

Below is generated by plot.py at 2018-02-04 02:59:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.57 Mbit/s

95th percentile per-packet one-way delay: 101.861 ms

Loss rate: 2.51%

-- Flow 1:

Average throughput: 55.22 Mbit/s

95th percentile per-packet one-way delay: 99.649 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 38.02 Mbit/s

95th percentile per-packet one-way delay: 100.796 ms

Loss rate: 3.95%

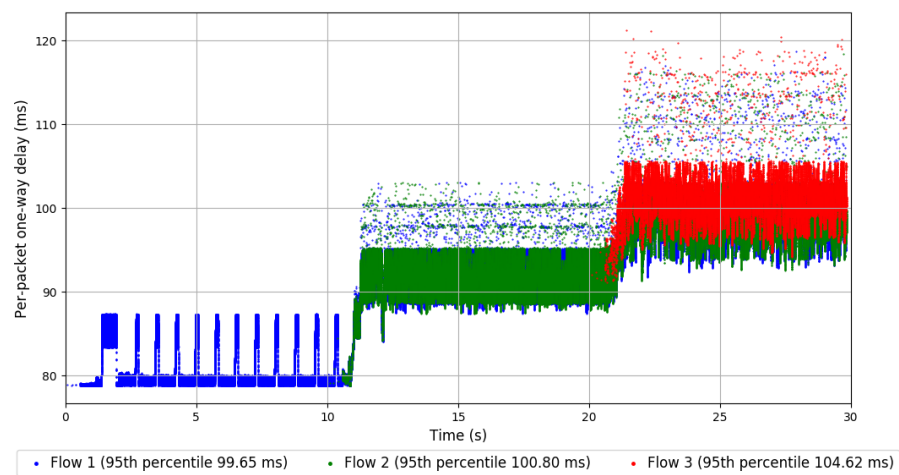
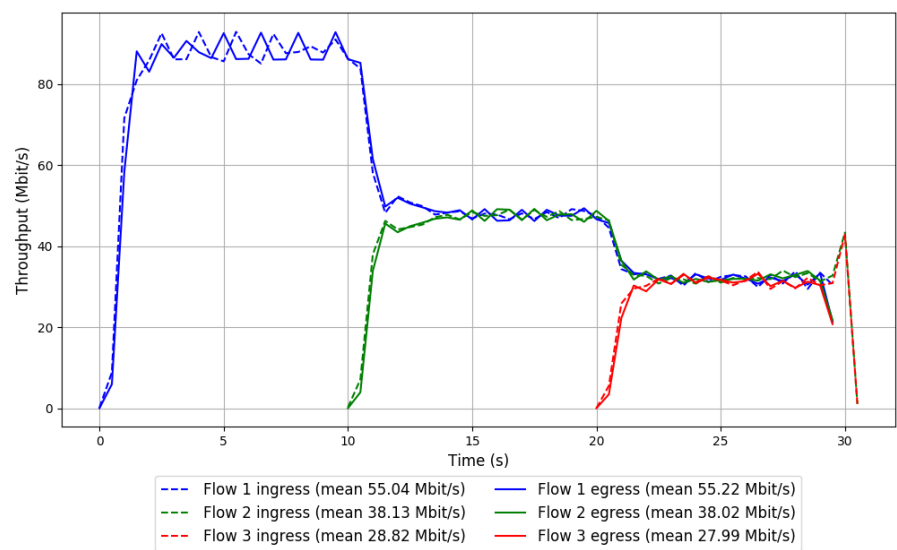
-- Flow 3:

Average throughput: 27.99 Mbit/s

95th percentile per-packet one-way delay: 104.617 ms

Loss rate: 10.05%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-03 21:12:48

End at: 2018-02-03 21:13:18

Local clock offset: -0.046 ms

Remote clock offset: 3.539 ms

Below is generated by plot.py at 2018-02-04 02:59:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 100.616 ms

Loss rate: 2.40%

-- Flow 1:

Average throughput: 55.26 Mbit/s

95th percentile per-packet one-way delay: 98.894 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 37.70 Mbit/s

95th percentile per-packet one-way delay: 100.978 ms

Loss rate: 3.67%

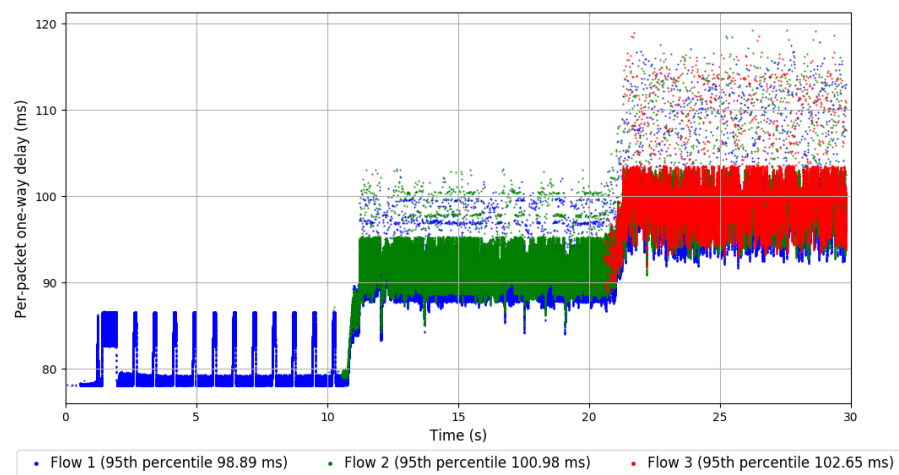
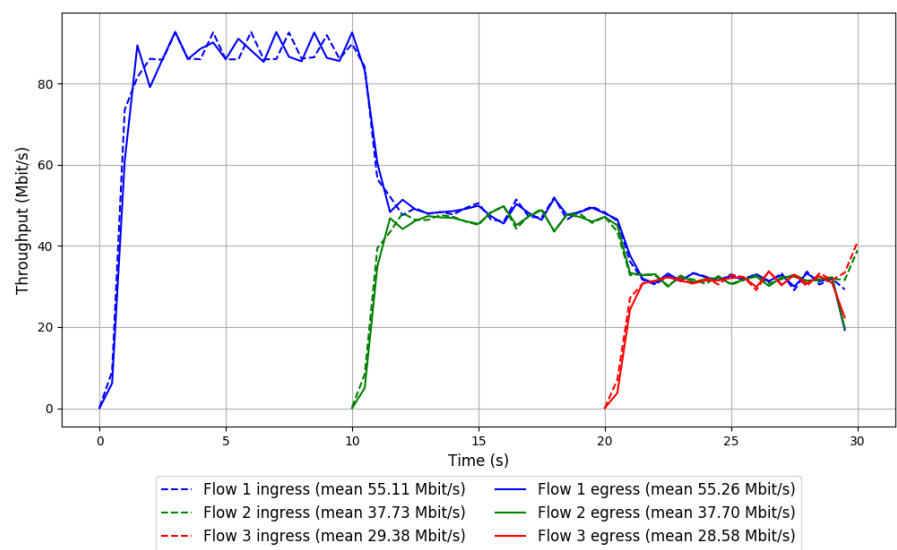
-- Flow 3:

Average throughput: 28.58 Mbit/s

95th percentile per-packet one-way delay: 102.648 ms

Loss rate: 9.60%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-03 21:35:17

End at: 2018-02-03 21:35:47

Local clock offset: -0.017 ms

Remote clock offset: 3.189 ms

Below is generated by plot.py at 2018-02-04 03:01:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 101.153 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 100.394 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 38.27 Mbit/s

95th percentile per-packet one-way delay: 102.011 ms

Loss rate: 1.44%

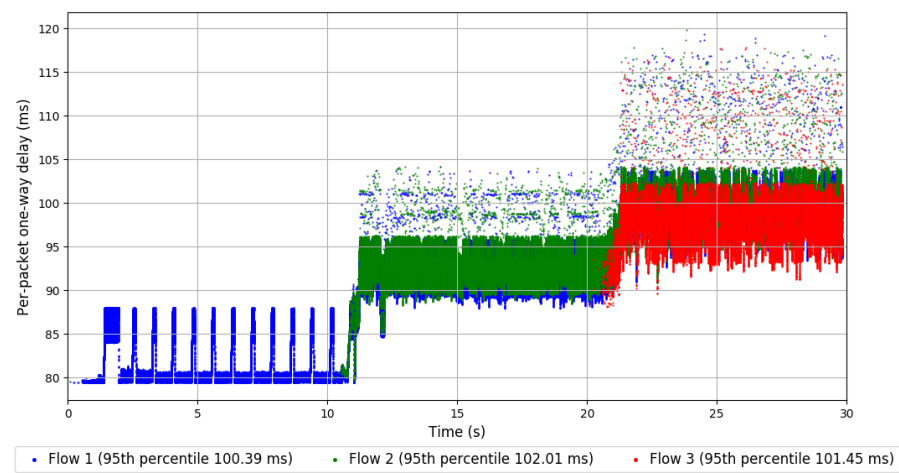
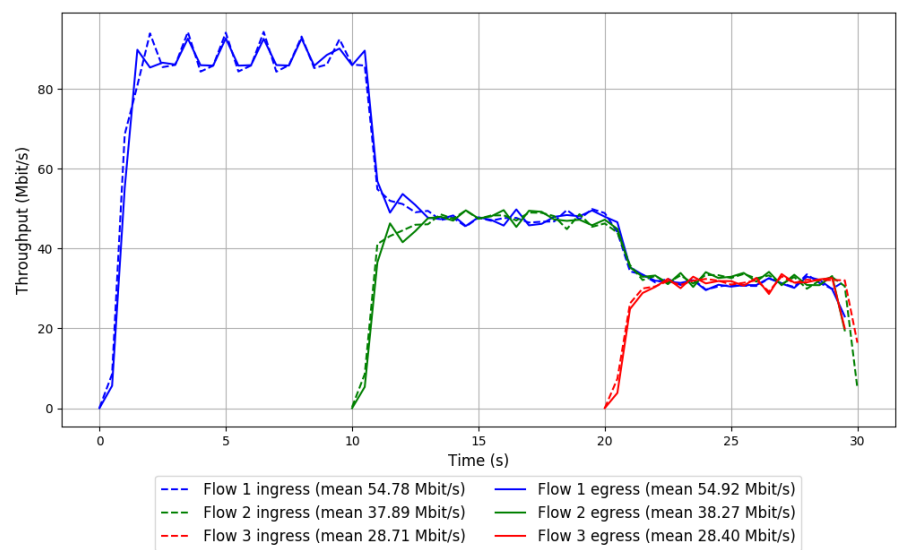
-- Flow 3:

Average throughput: 28.40 Mbit/s

95th percentile per-packet one-way delay: 101.448 ms

Loss rate: 5.85%

Run 7: Report of FillP — Data Link

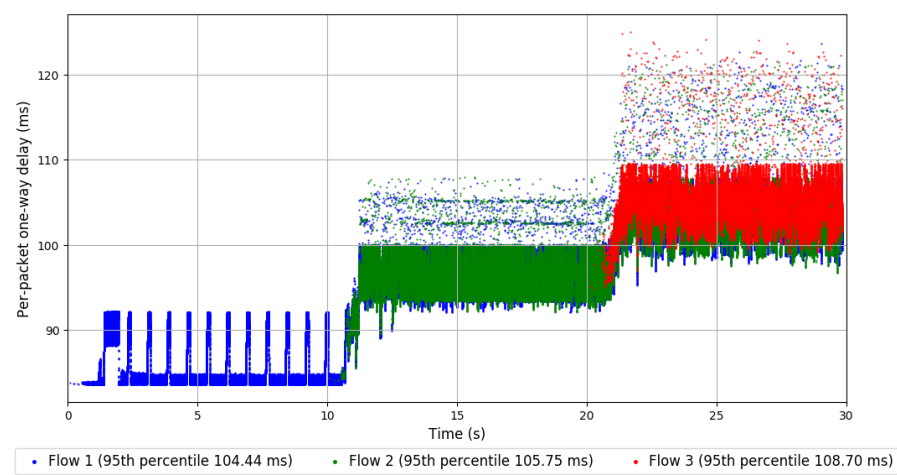
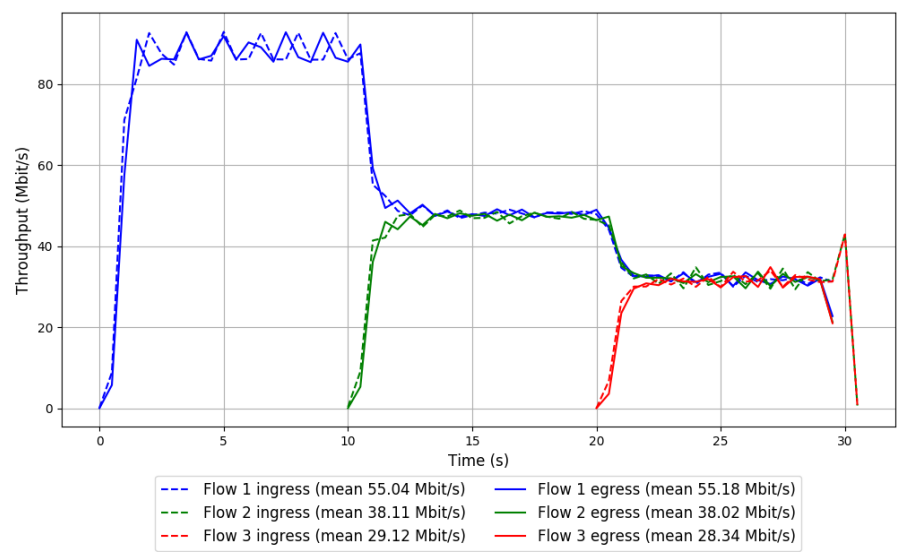


Run 8: Statistics of FillP

Start at: 2018-02-03 21:57:57
End at: 2018-02-03 21:58:27
Local clock offset: -0.076 ms
Remote clock offset: -2.744 ms

Below is generated by plot.py at 2018-02-04 03:01:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 106.199 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 104.443 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 105.750 ms
Loss rate: 3.89%
-- Flow 3:
Average throughput: 28.34 Mbit/s
95th percentile per-packet one-way delay: 108.703 ms
Loss rate: 9.82%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-03 22:20:44

End at: 2018-02-03 22:21:14

Local clock offset: -0.074 ms

Remote clock offset: 2.845 ms

Below is generated by plot.py at 2018-02-04 03:01:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 101.278 ms

Loss rate: 2.98%

-- Flow 1:

Average throughput: 55.15 Mbit/s

95th percentile per-packet one-way delay: 99.587 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 37.97 Mbit/s

95th percentile per-packet one-way delay: 100.440 ms

Loss rate: 5.20%

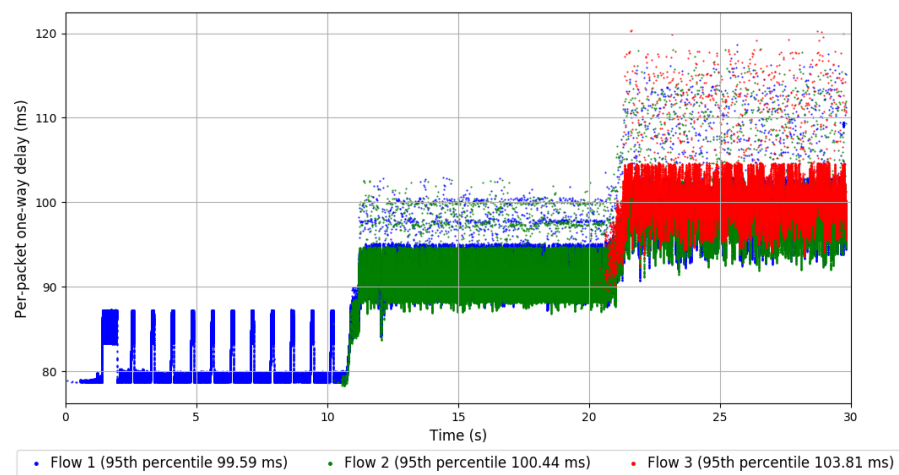
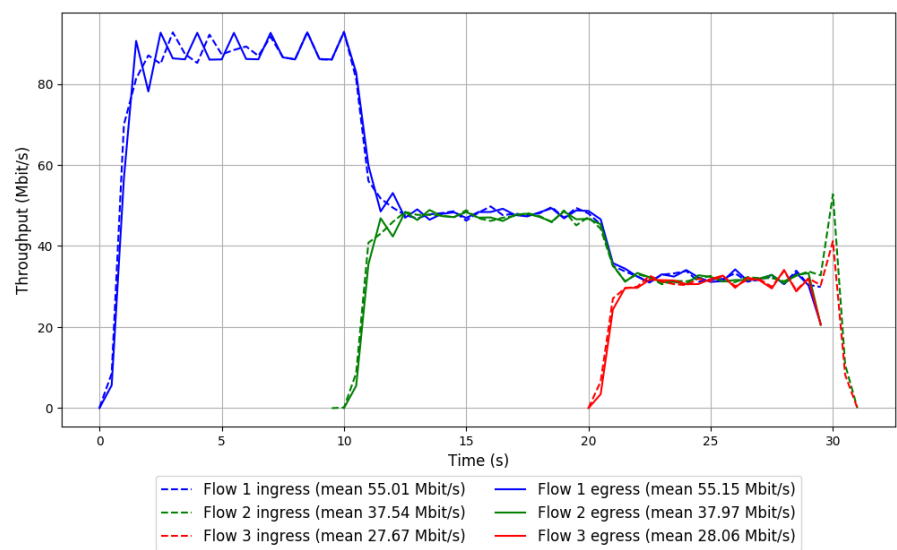
-- Flow 3:

Average throughput: 28.06 Mbit/s

95th percentile per-packet one-way delay: 103.808 ms

Loss rate: 10.78%

Run 9: Report of FillP — Data Link

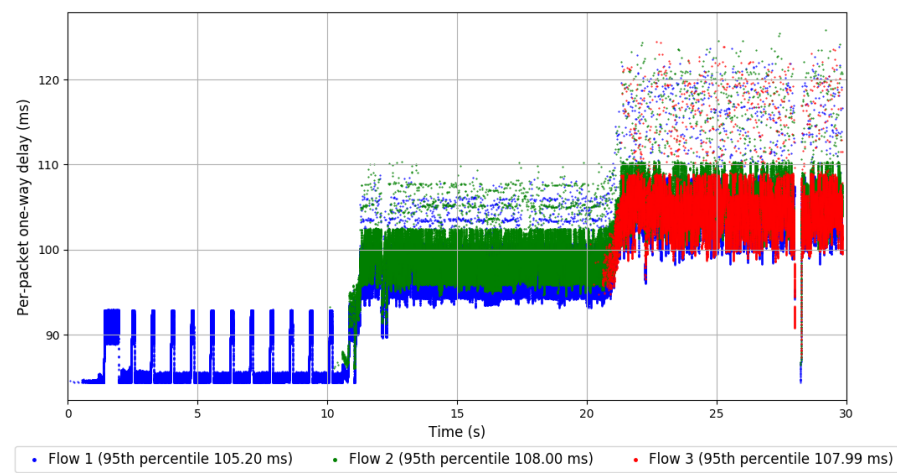
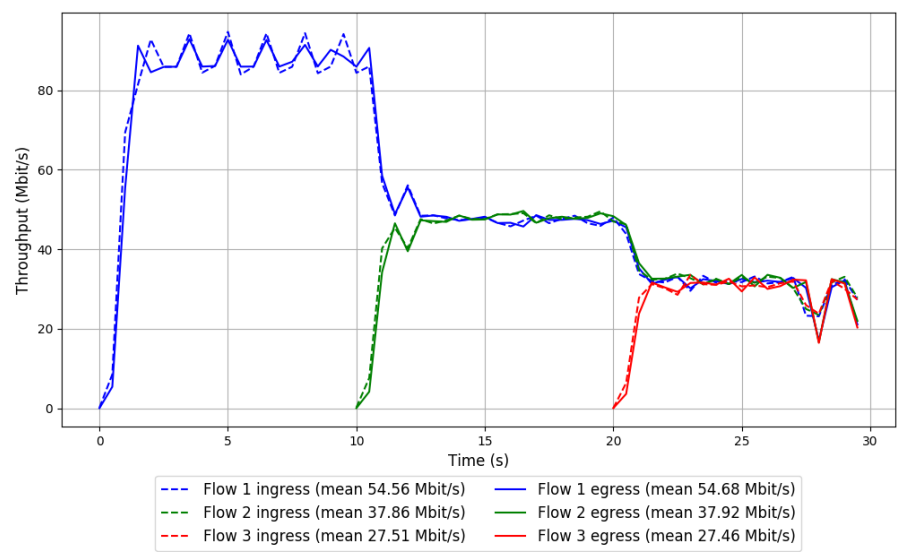


Run 10: Statistics of FillP

Start at: 2018-02-03 22:43:24
End at: 2018-02-03 22:43:54
Local clock offset: -0.087 ms
Remote clock offset: -3.131 ms

Below is generated by plot.py at 2018-02-04 03:01:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.80 Mbit/s
95th percentile per-packet one-way delay: 106.971 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 105.205 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: 107.995 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 107.994 ms
Loss rate: 2.31%

Run 10: Report of FillP — Data Link

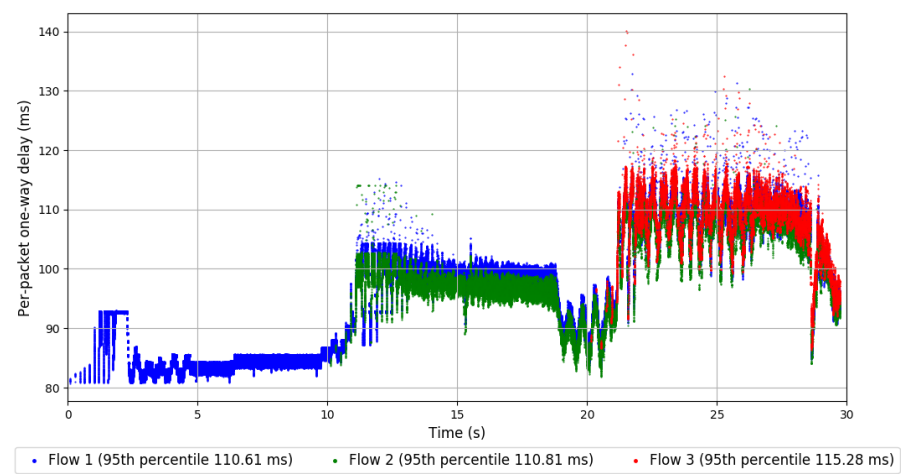
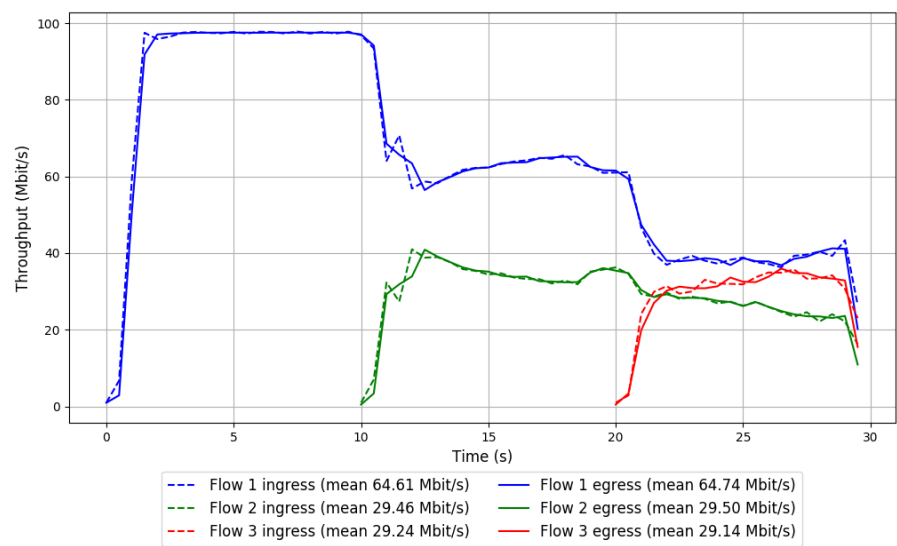


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-03 19:26:26
End at: 2018-02-03 19:26:56
Local clock offset: -0.24 ms
Remote clock offset: 2.61 ms

# Below is generated by plot.py at 2018-02-04 03:01:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 111.978 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 110.612 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 110.810 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 115.280 ms
Loss rate: 2.26%
```

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

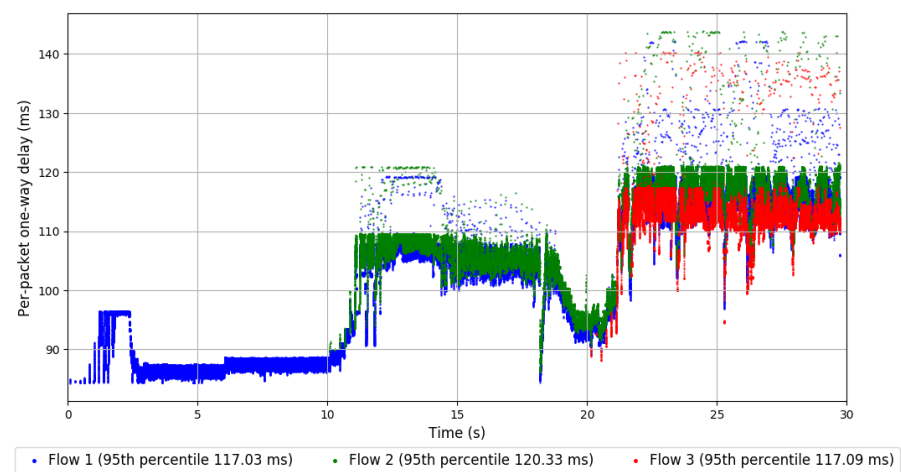
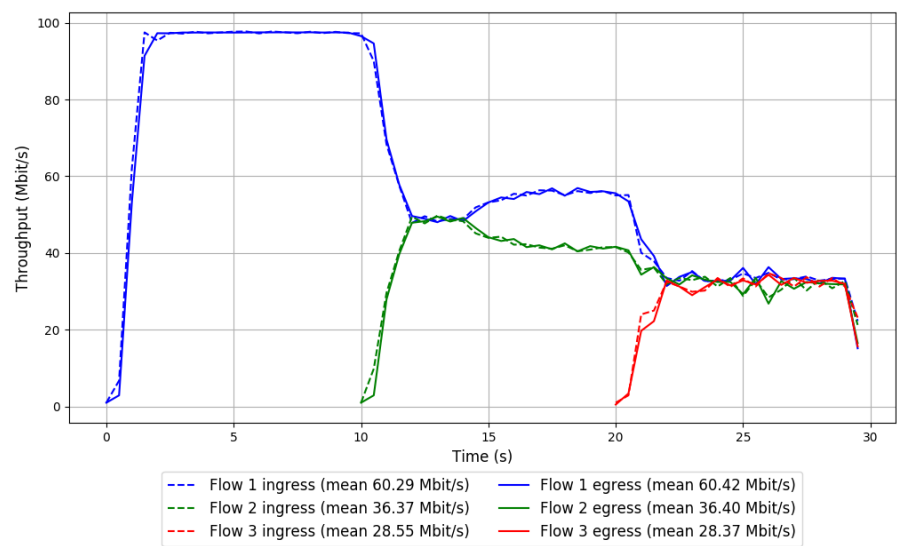


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-03 19:48:59
End at: 2018-02-03 19:49:29
Local clock offset: -0.206 ms
Remote clock offset: -0.659 ms

Below is generated by plot.py at 2018-02-04 03:01:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 118.495 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 117.028 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 120.328 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 28.37 Mbit/s
95th percentile per-packet one-way delay: 117.091 ms
Loss rate: 2.55%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-03 20:11:34

End at: 2018-02-03 20:12:04

Local clock offset: -0.203 ms

Remote clock offset: 2.242 ms

Below is generated by plot.py at 2018-02-04 03:01:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 113.553 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 61.84 Mbit/s

95th percentile per-packet one-way delay: 113.709 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 34.91 Mbit/s

95th percentile per-packet one-way delay: 113.022 ms

Loss rate: 0.94%

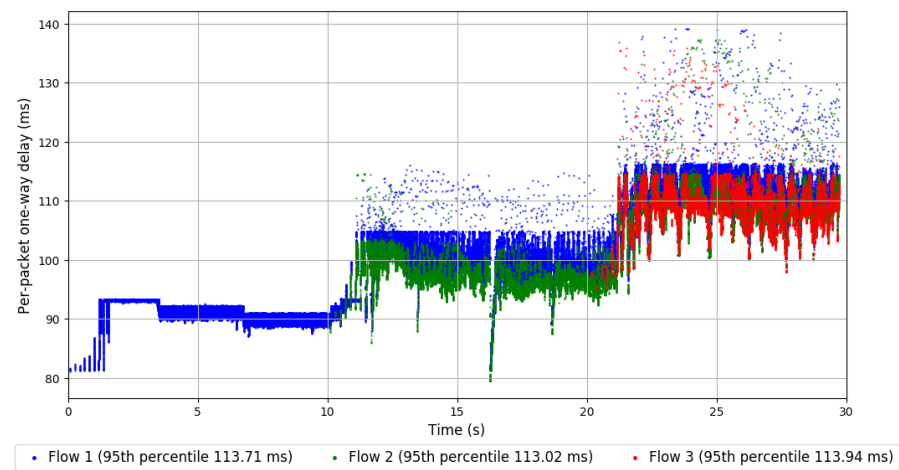
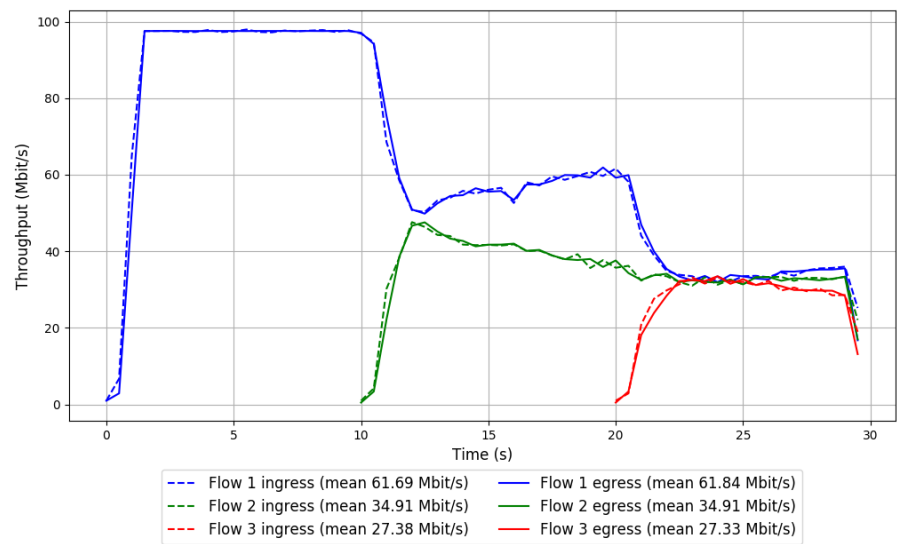
-- Flow 3:

Average throughput: 27.33 Mbit/s

95th percentile per-packet one-way delay: 113.938 ms

Loss rate: 2.22%

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

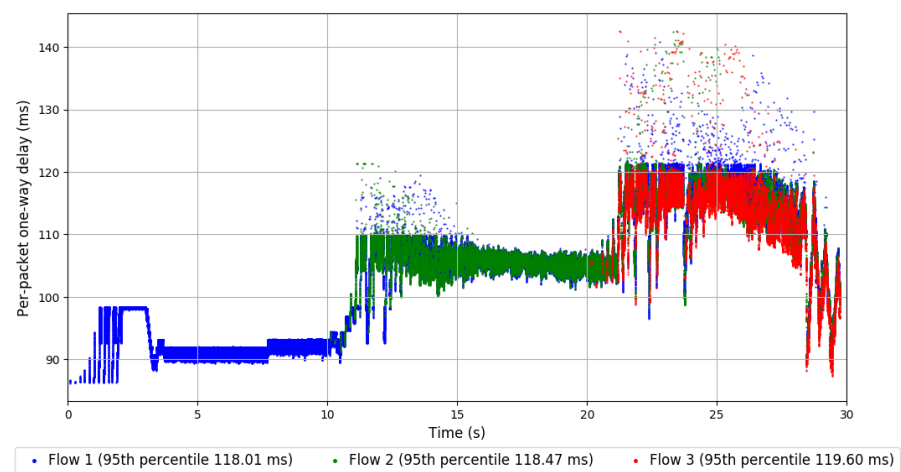
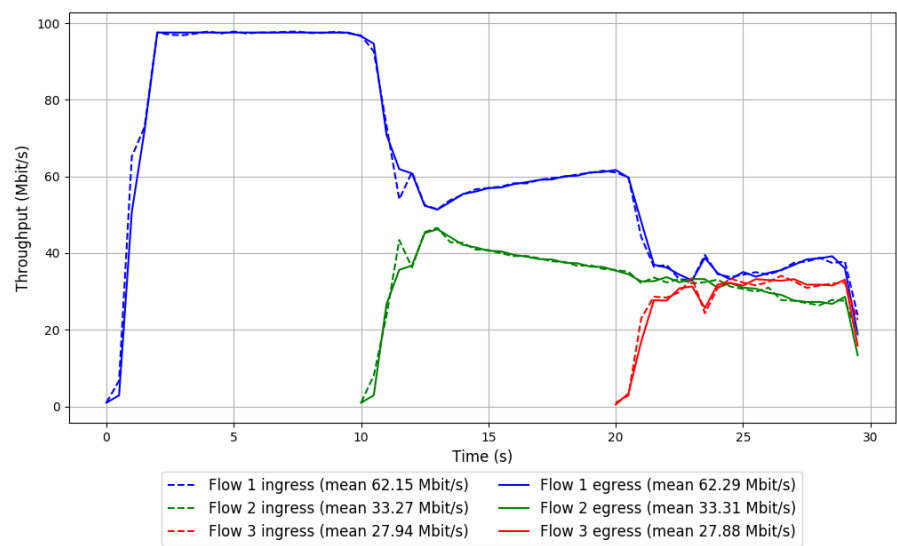


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-03 20:34:21
End at: 2018-02-03 20:34:51
Local clock offset: -0.099 ms
Remote clock offset: -1.408 ms

Below is generated by plot.py at 2018-02-04 03:01:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 118.516 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 62.29 Mbit/s
95th percentile per-packet one-way delay: 118.010 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 118.468 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 119.604 ms
Loss rate: 2.30%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-03 20:56:56

End at: 2018-02-03 20:57:26

Local clock offset: -0.065 ms

Remote clock offset: 3.712 ms

Below is generated by plot.py at 2018-02-04 03:02:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 112.495 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 111.656 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 112.272 ms

Loss rate: 0.92%

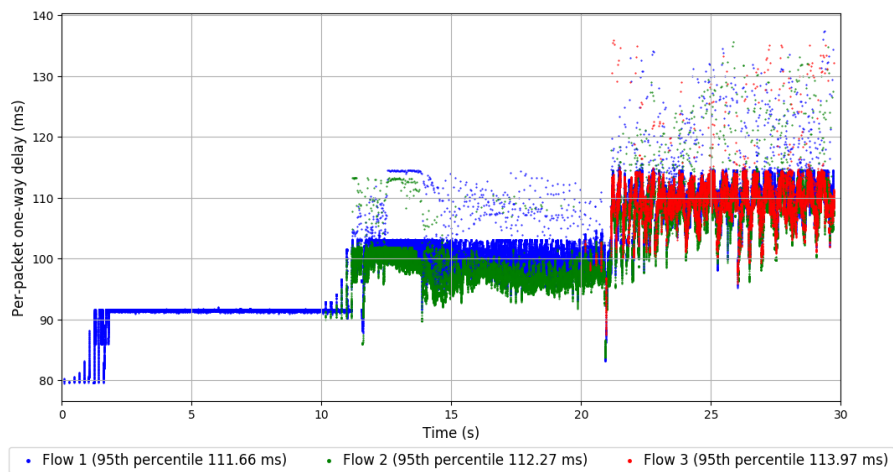
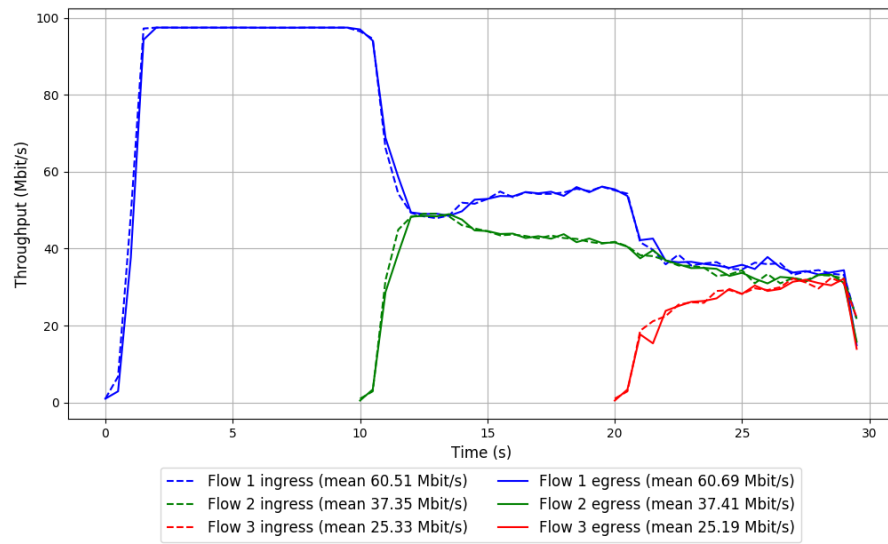
-- Flow 3:

Average throughput: 25.19 Mbit/s

95th percentile per-packet one-way delay: 113.972 ms

Loss rate: 2.88%

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

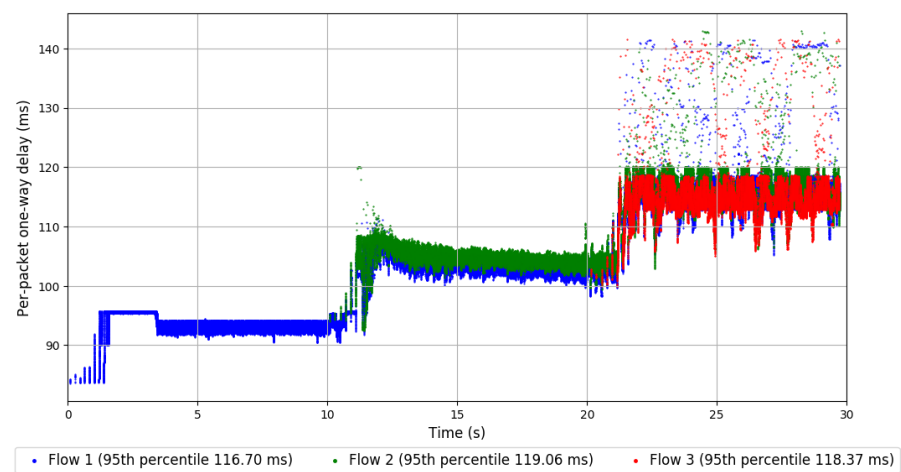
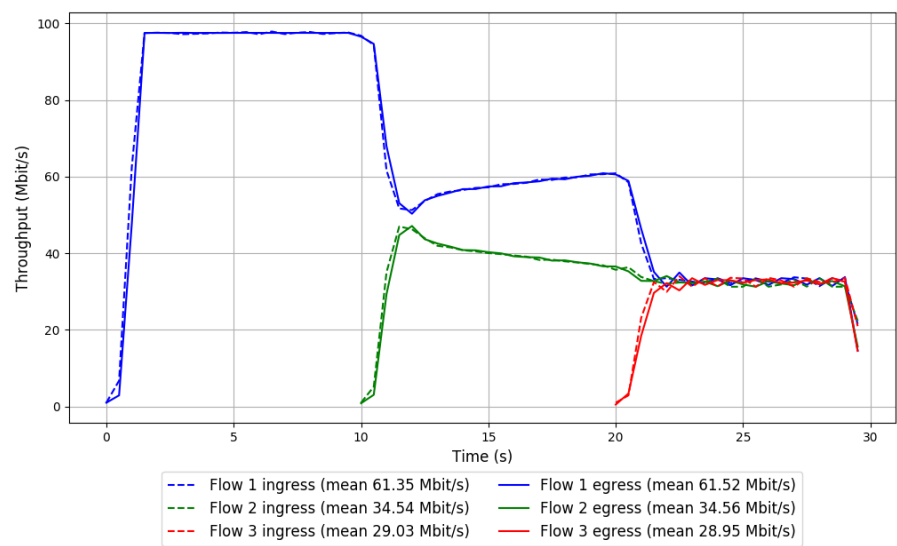


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-03 21:19:23
End at: 2018-02-03 21:19:53
Local clock offset: -0.099 ms
Remote clock offset: -2.041 ms

Below is generated by plot.py at 2018-02-04 03:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 117.811 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 61.52 Mbit/s
95th percentile per-packet one-way delay: 116.701 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 119.055 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 28.95 Mbit/s
95th percentile per-packet one-way delay: 118.368 ms
Loss rate: 2.51%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-03 21:41:55

End at: 2018-02-03 21:42:25

Local clock offset: -0.061 ms

Remote clock offset: 1.368 ms

Below is generated by plot.py at 2018-02-04 03:02:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.64 Mbit/s

95th percentile per-packet one-way delay: 113.389 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 59.77 Mbit/s

95th percentile per-packet one-way delay: 113.175 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 37.82 Mbit/s

95th percentile per-packet one-way delay: 113.800 ms

Loss rate: 1.02%

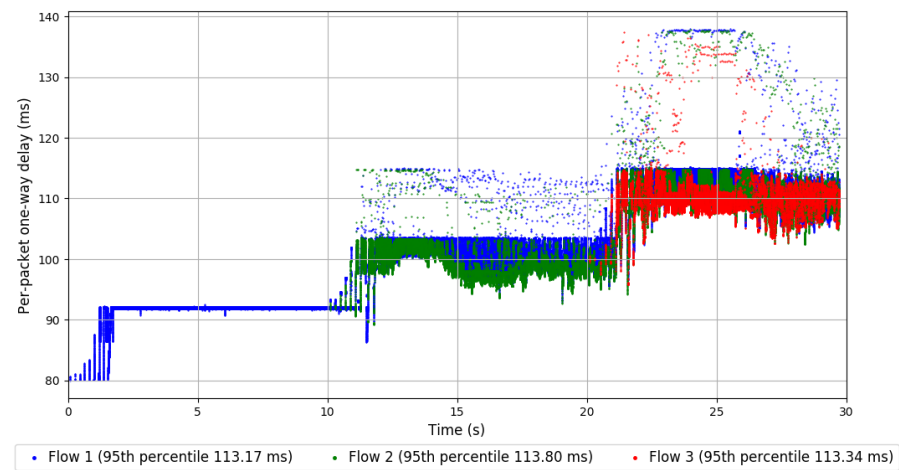
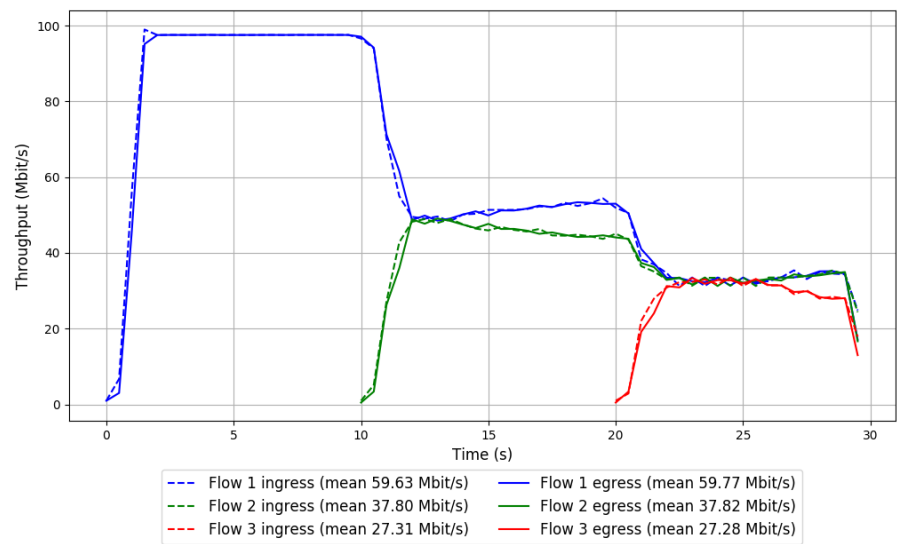
-- Flow 3:

Average throughput: 27.28 Mbit/s

95th percentile per-packet one-way delay: 113.342 ms

Loss rate: 2.13%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-03 22:04:37

End at: 2018-02-03 22:05:07

Local clock offset: -0.06 ms

Remote clock offset: 0.989 ms

Below is generated by plot.py at 2018-02-04 03:02:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.59 Mbit/s

95th percentile per-packet one-way delay: 115.886 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 59.43 Mbit/s

95th percentile per-packet one-way delay: 115.055 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 38.87 Mbit/s

95th percentile per-packet one-way delay: 116.881 ms

Loss rate: 0.96%

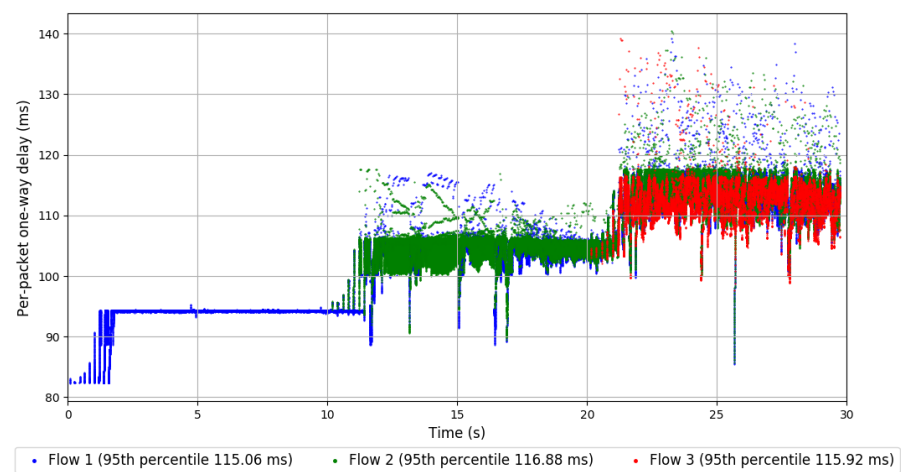
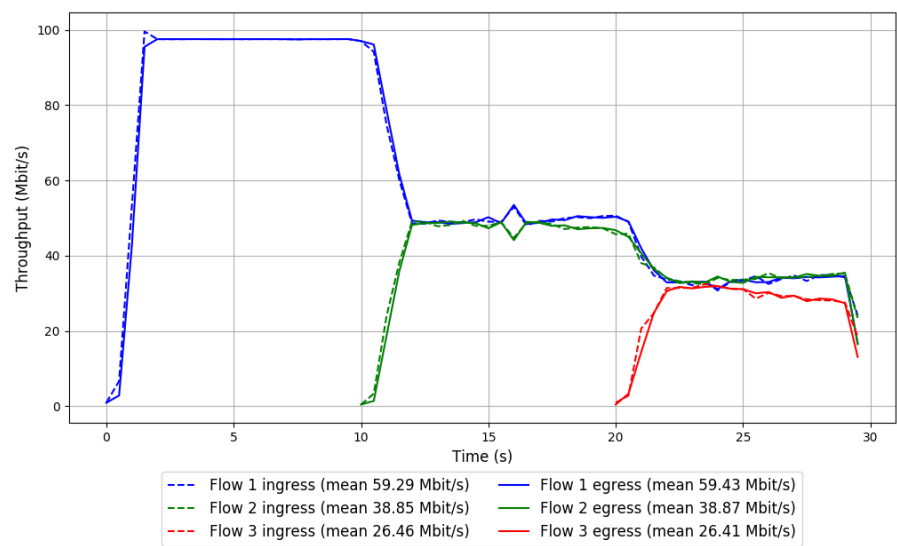
-- Flow 3:

Average throughput: 26.41 Mbit/s

95th percentile per-packet one-way delay: 115.922 ms

Loss rate: 2.23%

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

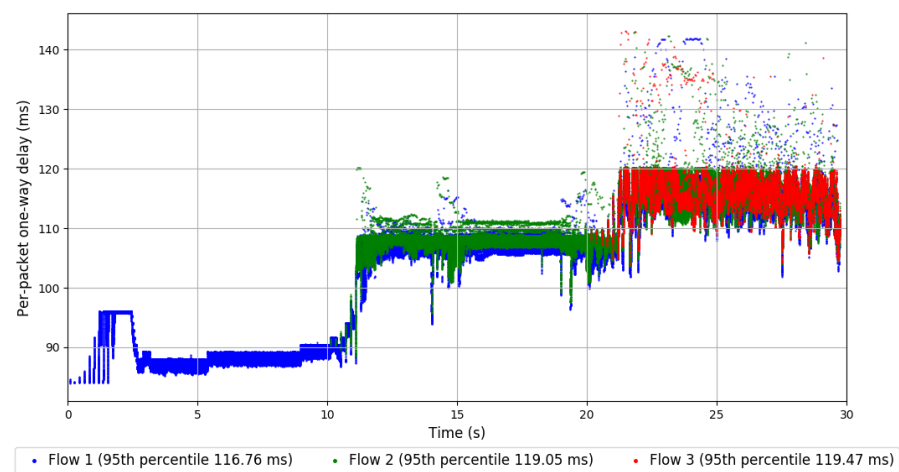
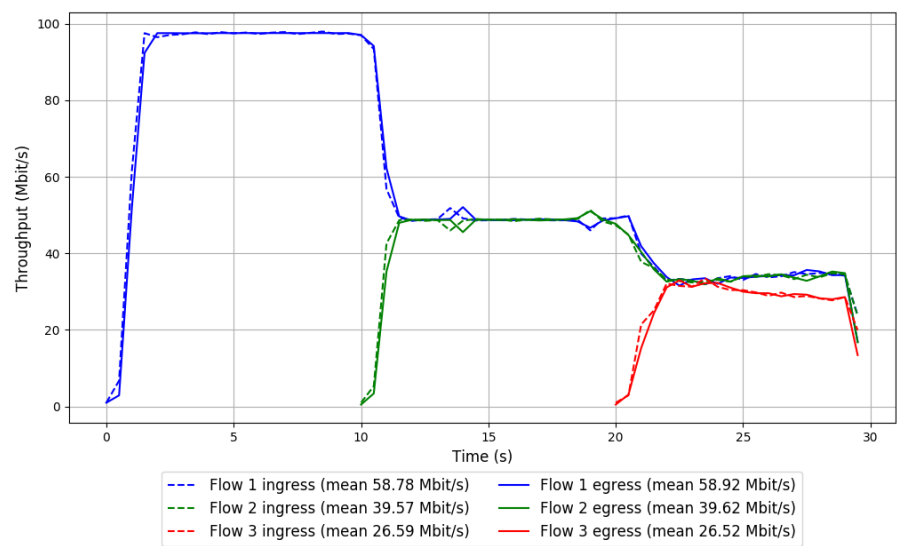


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-03 22:27:24
End at: 2018-02-03 22:27:54
Local clock offset: -0.105 ms
Remote clock offset: -1.891 ms

Below is generated by plot.py at 2018-02-04 03:02:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 118.271 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 116.761 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 119.050 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 119.465 ms
Loss rate: 2.37%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-03 22:50:02

End at: 2018-02-03 22:50:32

Local clock offset: -0.071 ms

Remote clock offset: 2.461 ms

Below is generated by plot.py at 2018-02-04 03:02:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.79 Mbit/s

95th percentile per-packet one-way delay: 111.069 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 62.79 Mbit/s

95th percentile per-packet one-way delay: 108.942 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 32.68 Mbit/s

95th percentile per-packet one-way delay: 111.861 ms

Loss rate: 0.75%

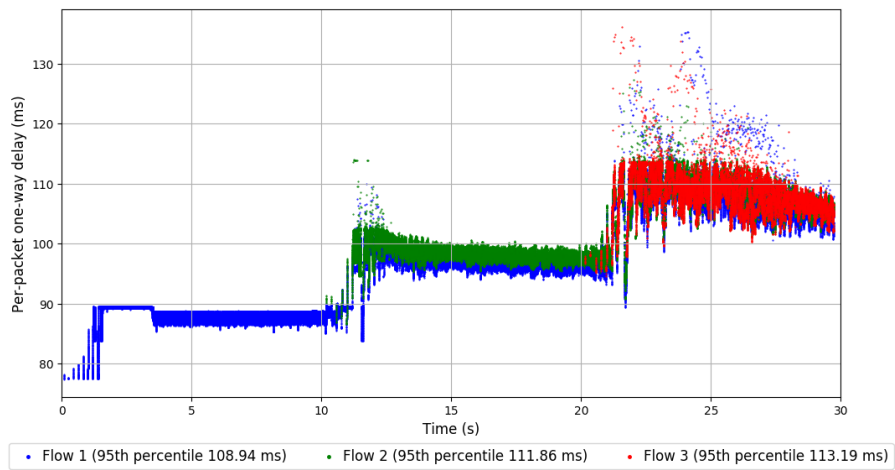
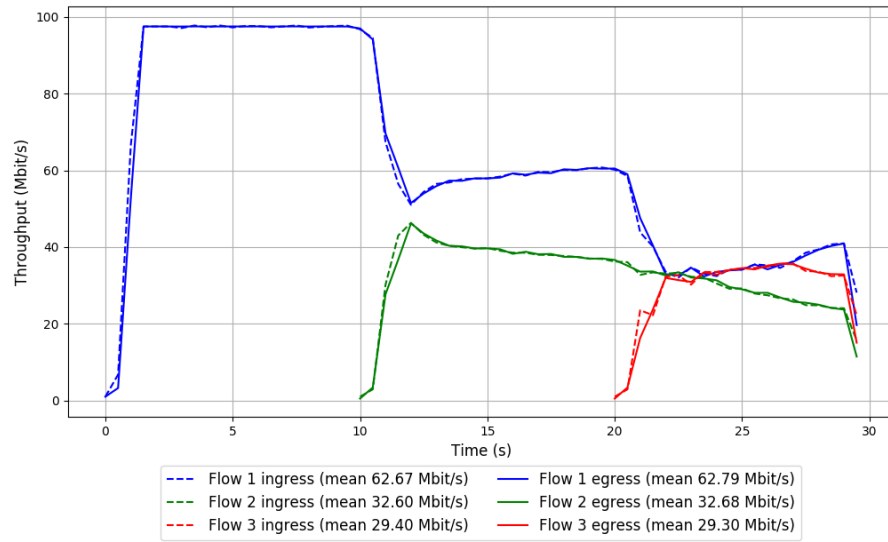
-- Flow 3:

Average throughput: 29.30 Mbit/s

95th percentile per-packet one-way delay: 113.189 ms

Loss rate: 2.39%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-03 19:29:02

End at: 2018-02-03 19:29:32

Local clock offset: -0.24 ms

Remote clock offset: 2.515 ms

Below is generated by plot.py at 2018-02-04 03:02:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.13 Mbit/s

95th percentile per-packet one-way delay: 113.801 ms

Loss rate: 2.68%

-- Flow 1:

Average throughput: 52.56 Mbit/s

95th percentile per-packet one-way delay: 112.378 ms

Loss rate: 2.29%

-- Flow 2:

Average throughput: 29.18 Mbit/s

95th percentile per-packet one-way delay: 113.627 ms

Loss rate: 3.28%

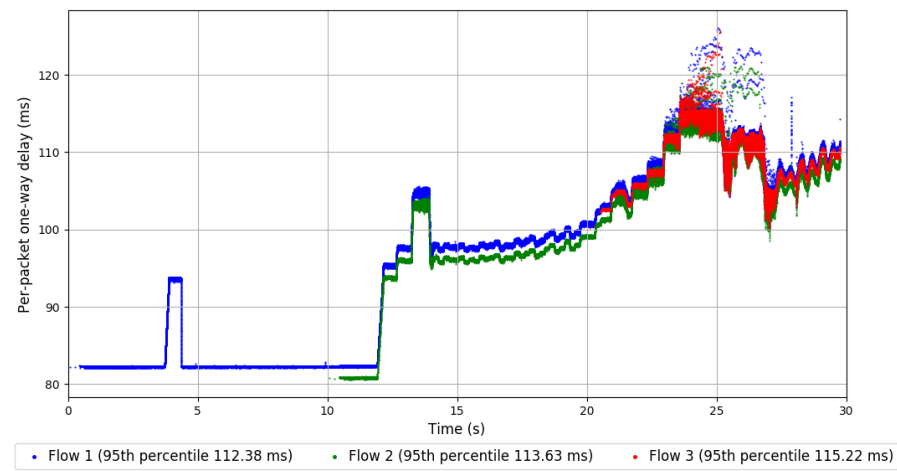
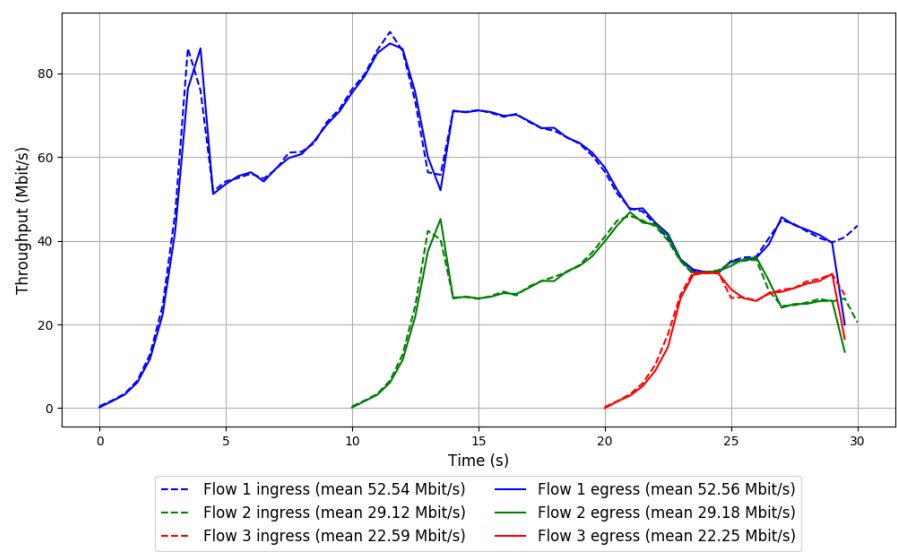
-- Flow 3:

Average throughput: 22.25 Mbit/s

95th percentile per-packet one-way delay: 115.222 ms

Loss rate: 3.93%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-03 19:51:36

End at: 2018-02-03 19:52:06

Local clock offset: -0.218 ms

Remote clock offset: 3.016 ms

Below is generated by plot.py at 2018-02-04 03:03:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 110.998 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 62.82 Mbit/s

95th percentile per-packet one-way delay: 106.633 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 20.04 Mbit/s

95th percentile per-packet one-way delay: 113.323 ms

Loss rate: 1.73%

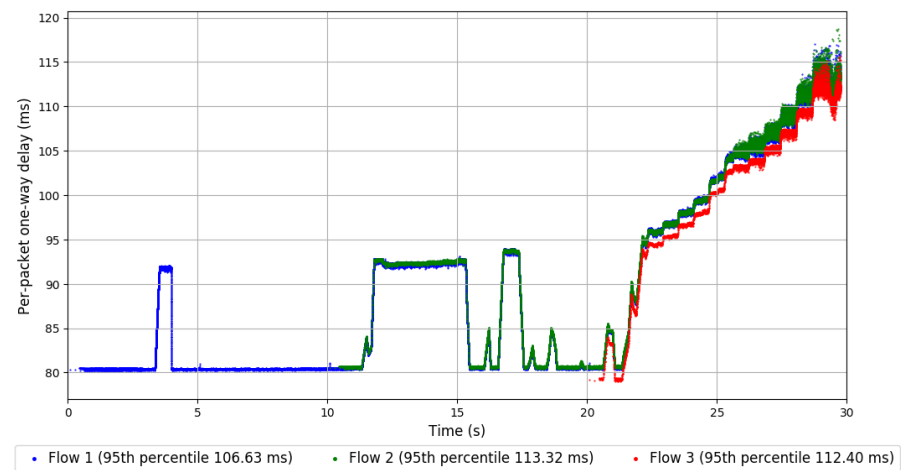
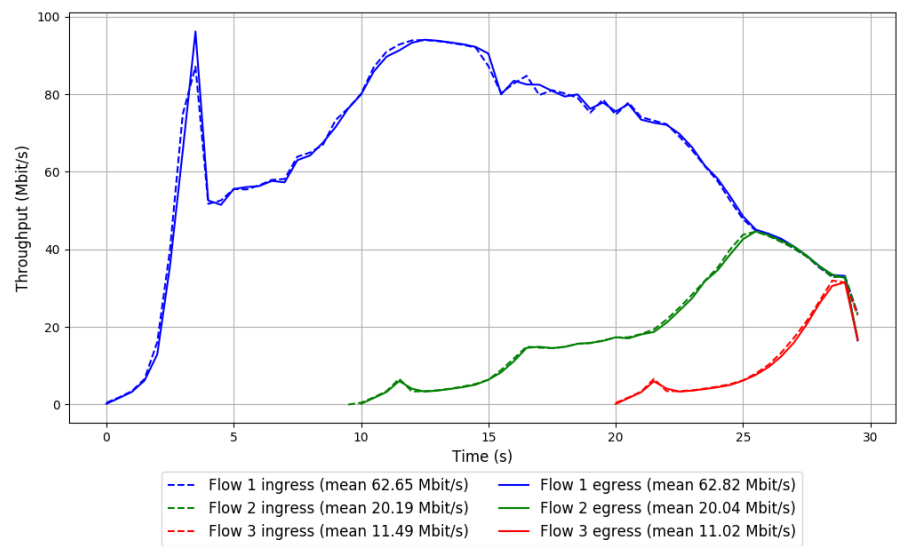
-- Flow 3:

Average throughput: 11.02 Mbit/s

95th percentile per-packet one-way delay: 112.396 ms

Loss rate: 5.99%

Run 2: Report of Vivace-latency — Data Link

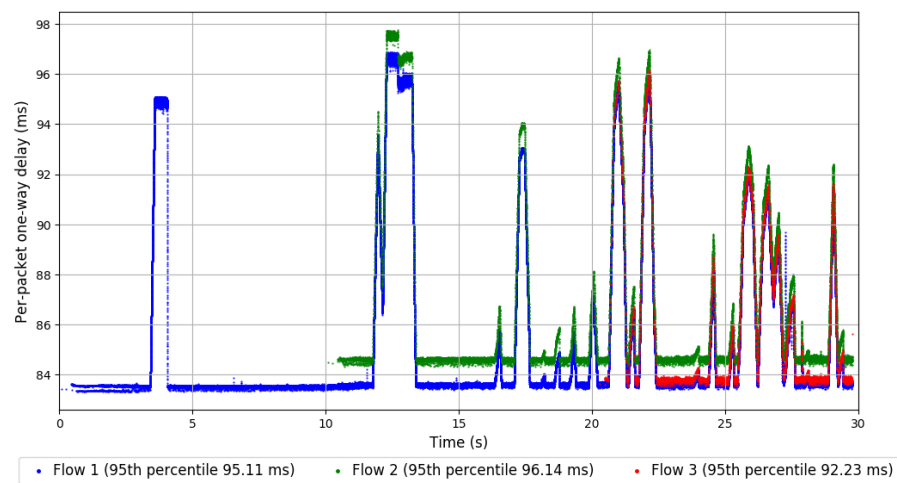
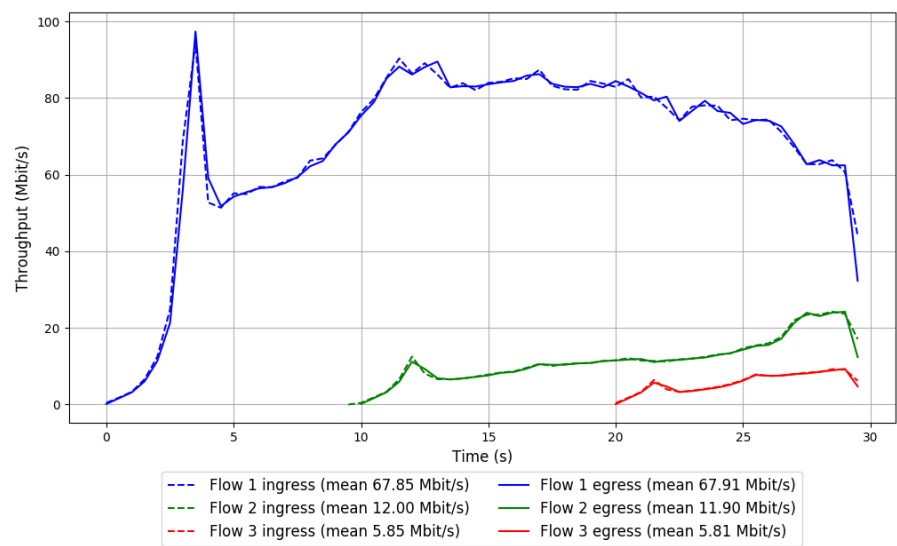


Run 3: Statistics of Vivace-latency

Start at: 2018-02-03 20:14:11
End at: 2018-02-03 20:14:41
Local clock offset: -0.245 ms
Remote clock offset: -1.502 ms

Below is generated by plot.py at 2018-02-04 03:03:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 95.156 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 95.115 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 96.137 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 92.234 ms
Loss rate: 2.62%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-03 20:36:58

End at: 2018-02-03 20:37:28

Local clock offset: -0.078 ms

Remote clock offset: 3.066 ms

Below is generated by plot.py at 2018-02-04 03:03:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.24 Mbit/s

95th percentile per-packet one-way delay: 82.092 ms

Loss rate: 2.96%

-- Flow 1:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 79.051 ms

Loss rate: 2.80%

-- Flow 2:

Average throughput: 8.14 Mbit/s

95th percentile per-packet one-way delay: 82.156 ms

Loss rate: 3.54%

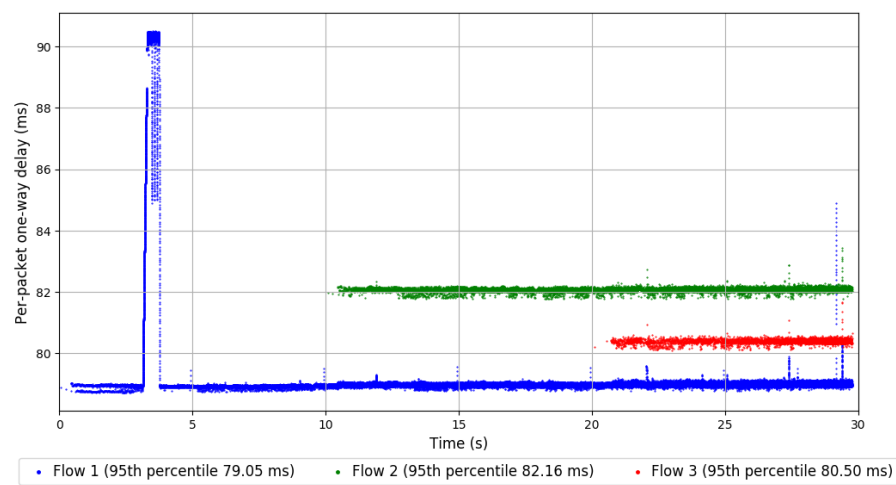
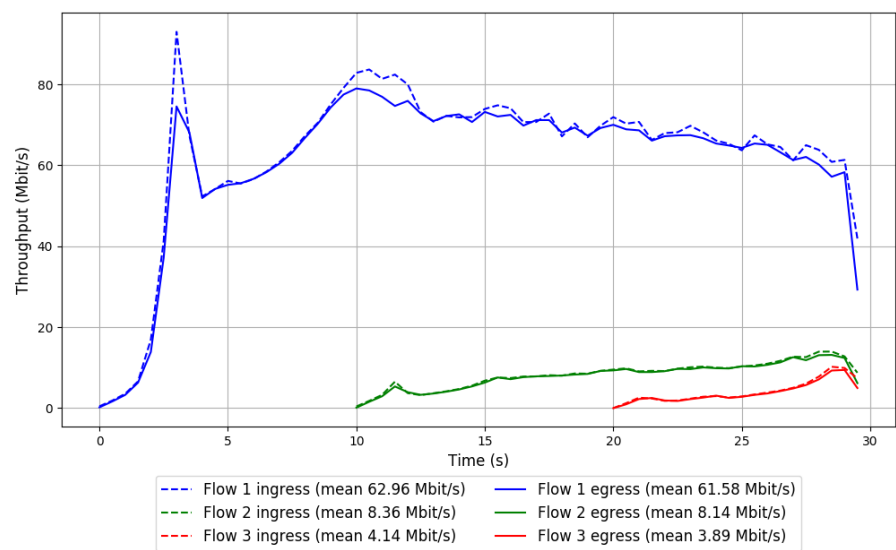
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 80.501 ms

Loss rate: 7.80%

Run 4: Report of Vivace-latency — Data Link

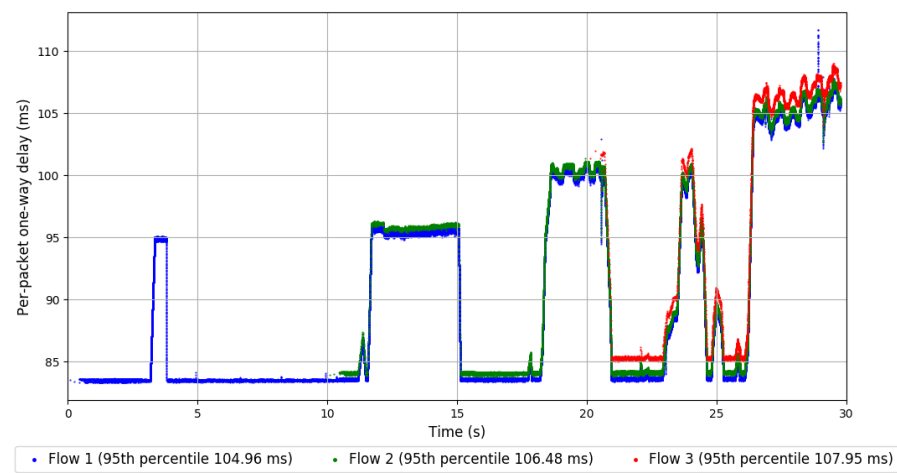
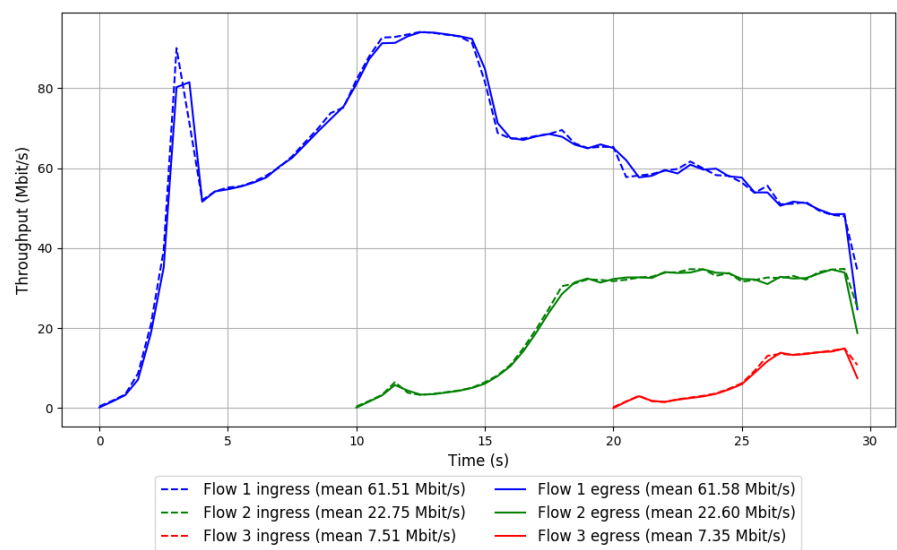


Run 5: Statistics of Vivace-latency

Start at: 2018-02-03 20:59:32
End at: 2018-02-03 21:00:02
Local clock offset: -0.052 ms
Remote clock offset: -0.822 ms

Below is generated by plot.py at 2018-02-04 03:03:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 105.906 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 104.964 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 106.484 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 107.951 ms
Loss rate: 4.26%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-03 21:22:00

End at: 2018-02-03 21:22:30

Local clock offset: -0.052 ms

Remote clock offset: 3.447 ms

Below is generated by plot.py at 2018-02-04 03:03:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 110.562 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 50.25 Mbit/s

95th percentile per-packet one-way delay: 108.369 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 33.40 Mbit/s

95th percentile per-packet one-way delay: 111.406 ms

Loss rate: 1.27%

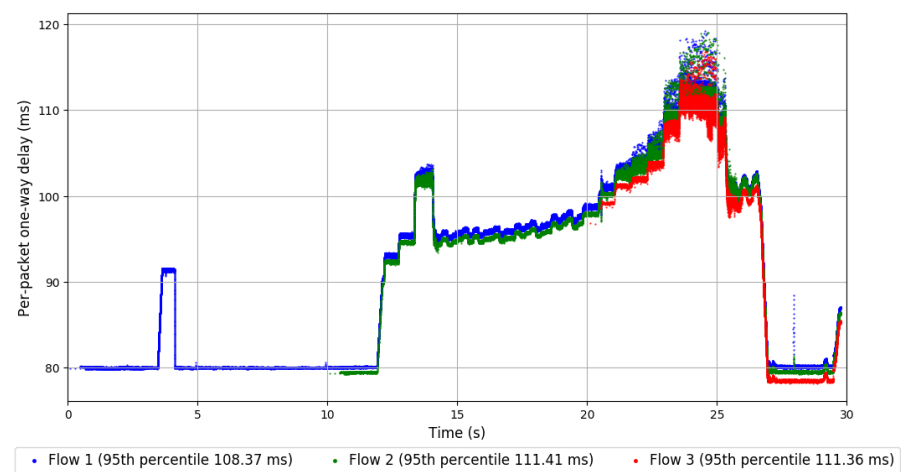
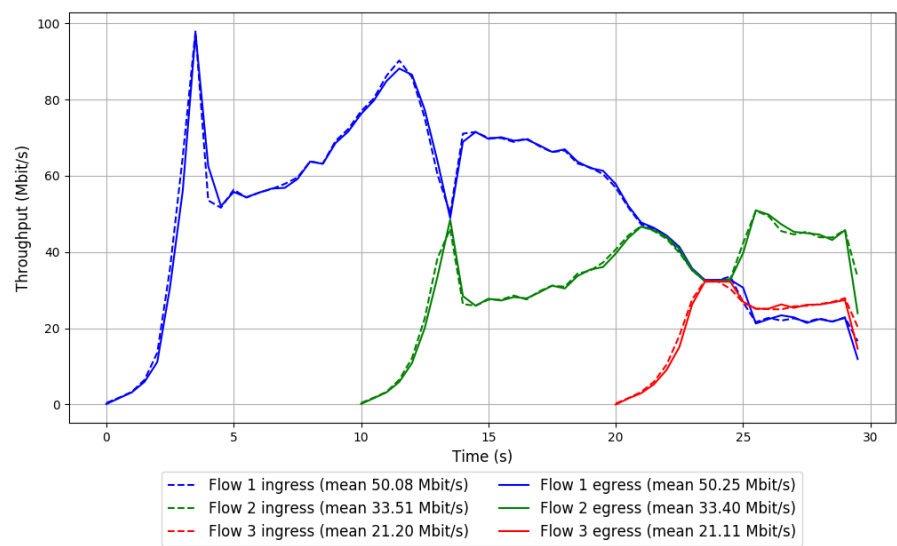
-- Flow 3:

Average throughput: 21.11 Mbit/s

95th percentile per-packet one-way delay: 111.358 ms

Loss rate: 2.49%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-03 21:44:31

End at: 2018-02-03 21:45:01

Local clock offset: -0.113 ms

Remote clock offset: 2.118 ms

Below is generated by plot.py at 2018-02-04 03:03:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.93 Mbit/s

95th percentile per-packet one-way delay: 100.678 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 51.86 Mbit/s

95th percentile per-packet one-way delay: 99.319 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 27.93 Mbit/s

95th percentile per-packet one-way delay: 101.396 ms

Loss rate: 0.79%

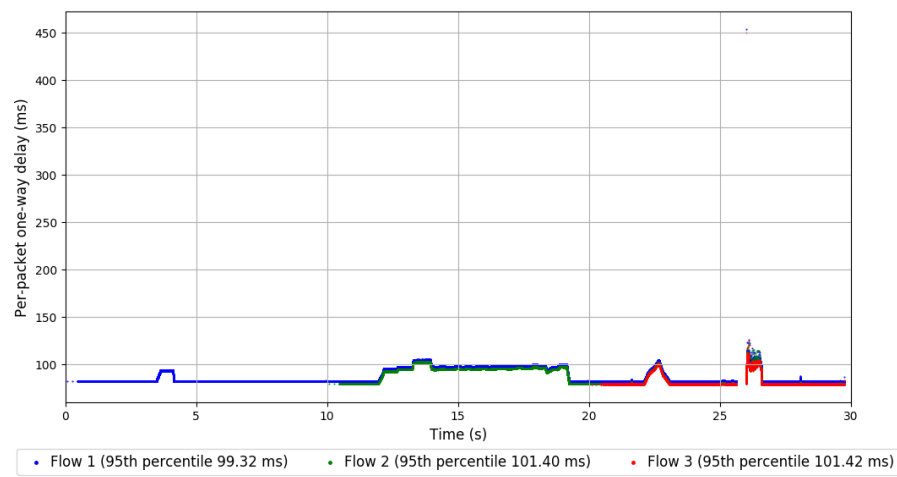
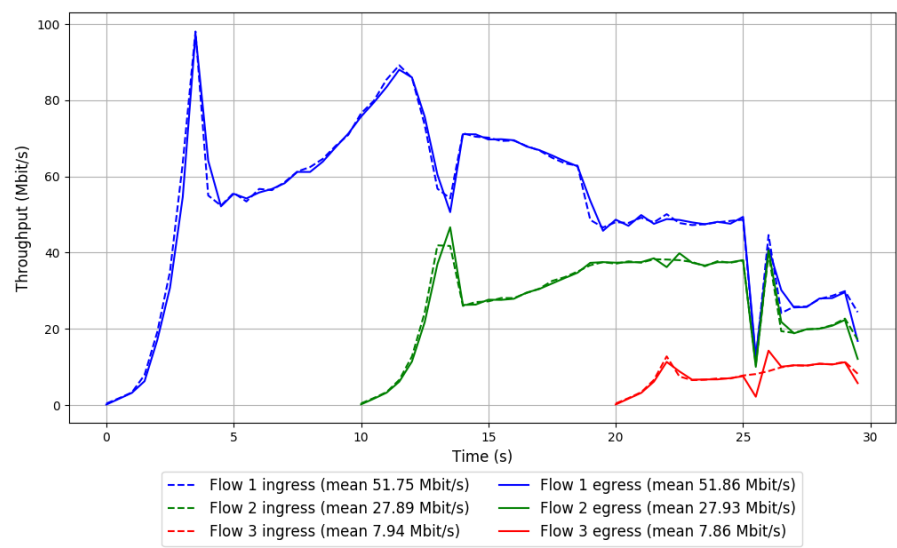
-- Flow 3:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 101.420 ms

Loss rate: 2.73%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-03 22:07:14

End at: 2018-02-03 22:07:44

Local clock offset: -0.058 ms

Remote clock offset: 2.498 ms

Below is generated by plot.py at 2018-02-04 03:03:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.59 Mbit/s

95th percentile per-packet one-way delay: 93.038 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 93.076 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 92.050 ms

Loss rate: 1.46%

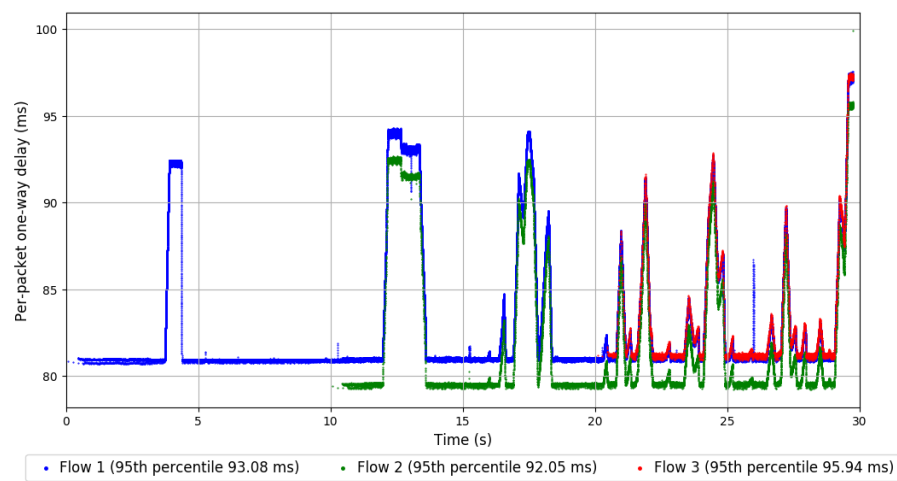
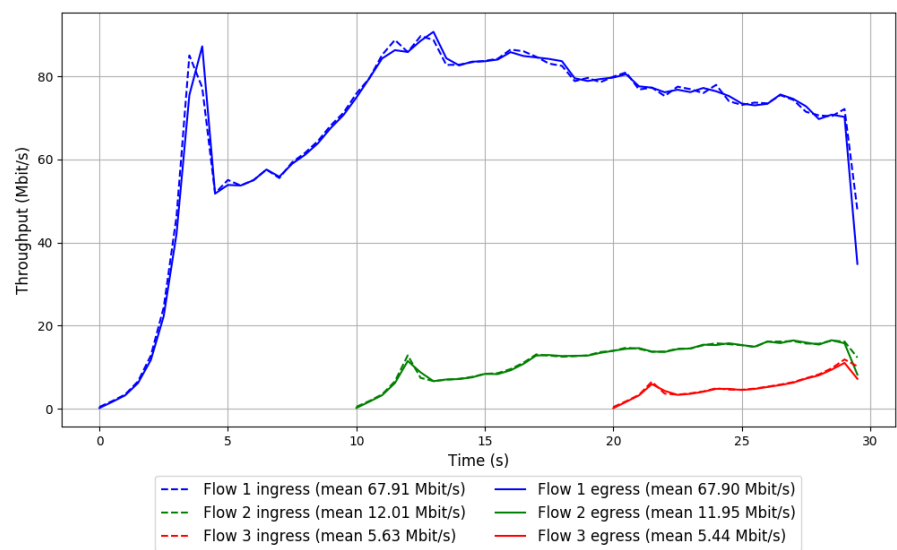
-- Flow 3:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 95.935 ms

Loss rate: 5.09%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-03 22:30:01

End at: 2018-02-03 22:30:31

Local clock offset: -0.076 ms

Remote clock offset: 2.653 ms

Below is generated by plot.py at 2018-02-04 03:04:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.66 Mbit/s

95th percentile per-packet one-way delay: 110.099 ms

Loss rate: 5.73%

-- Flow 1:

Average throughput: 52.85 Mbit/s

95th percentile per-packet one-way delay: 108.057 ms

Loss rate: 5.80%

-- Flow 2:

Average throughput: 29.67 Mbit/s

95th percentile per-packet one-way delay: 111.749 ms

Loss rate: 1.11%

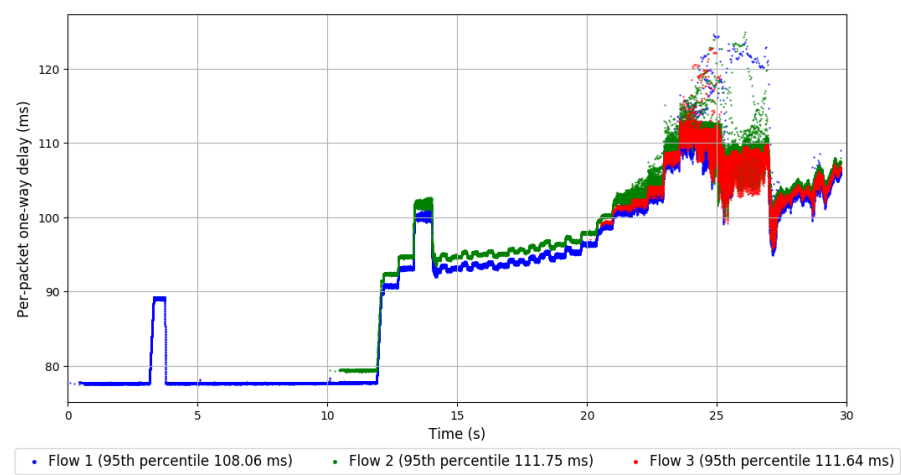
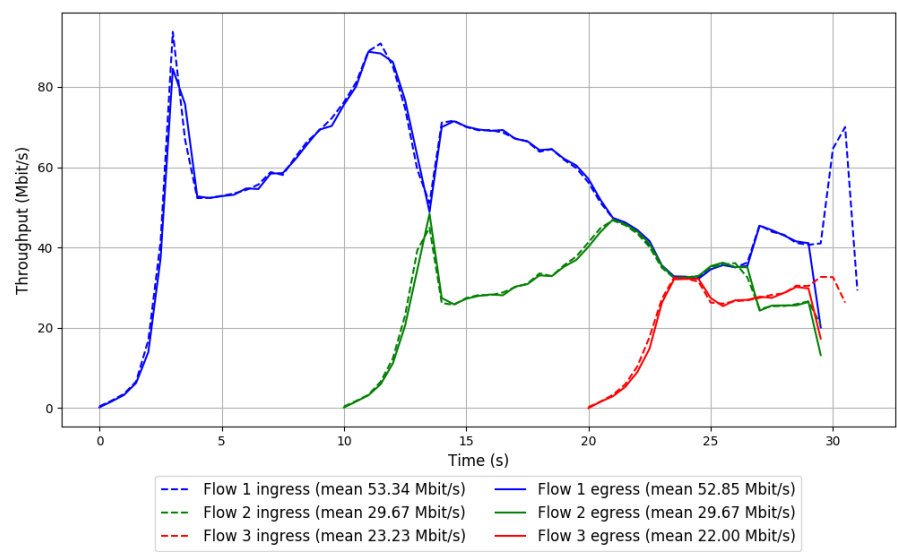
-- Flow 3:

Average throughput: 22.00 Mbit/s

95th percentile per-packet one-way delay: 111.638 ms

Loss rate: 16.07%

Run 9: Report of Vivace-latency — Data Link

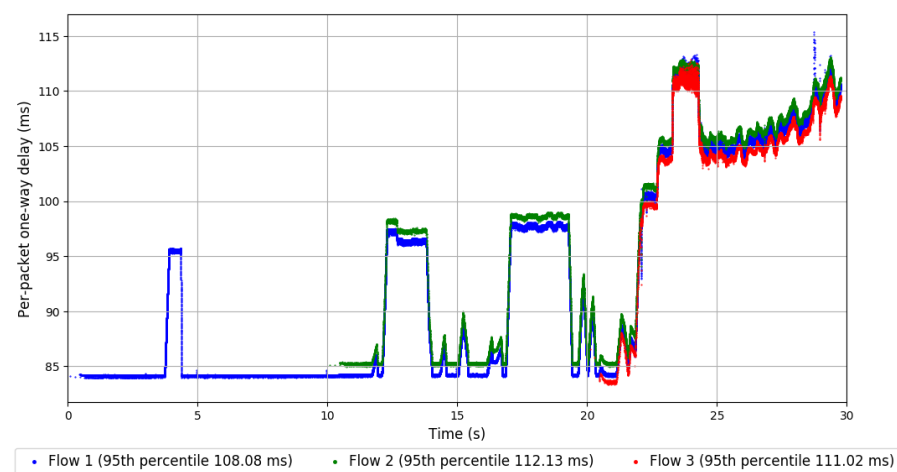
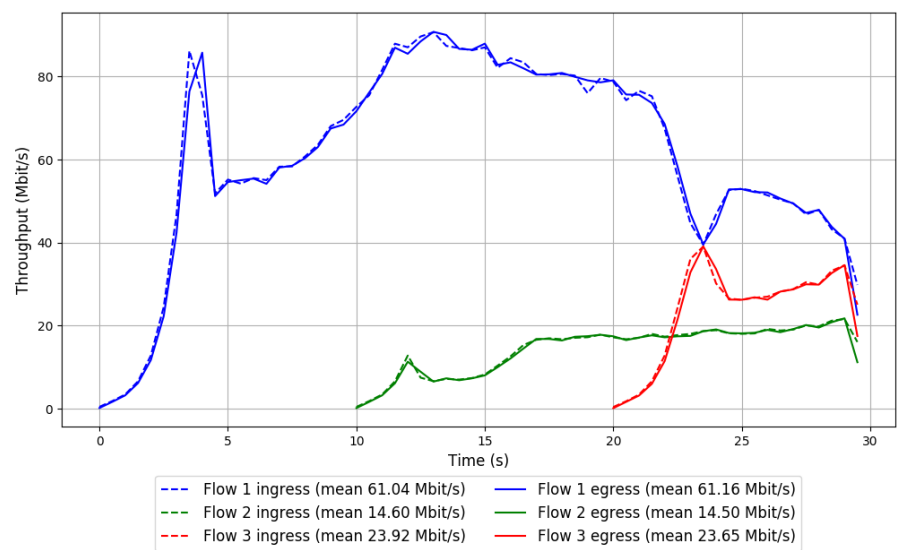


Run 10: Statistics of Vivace-latency

Start at: 2018-02-03 22:52:40
End at: 2018-02-03 22:53:10
Local clock offset: -0.071 ms
Remote clock offset: -3.233 ms

Below is generated by plot.py at 2018-02-04 03:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 110.518 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 108.083 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 14.50 Mbit/s
95th percentile per-packet one-way delay: 112.130 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 111.018 ms
Loss rate: 3.11%

Run 10: Report of Vivace-latency — Data Link

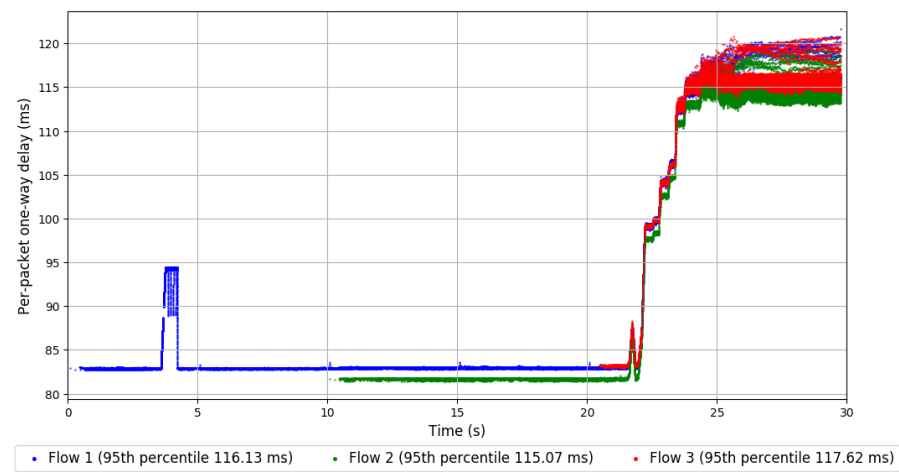
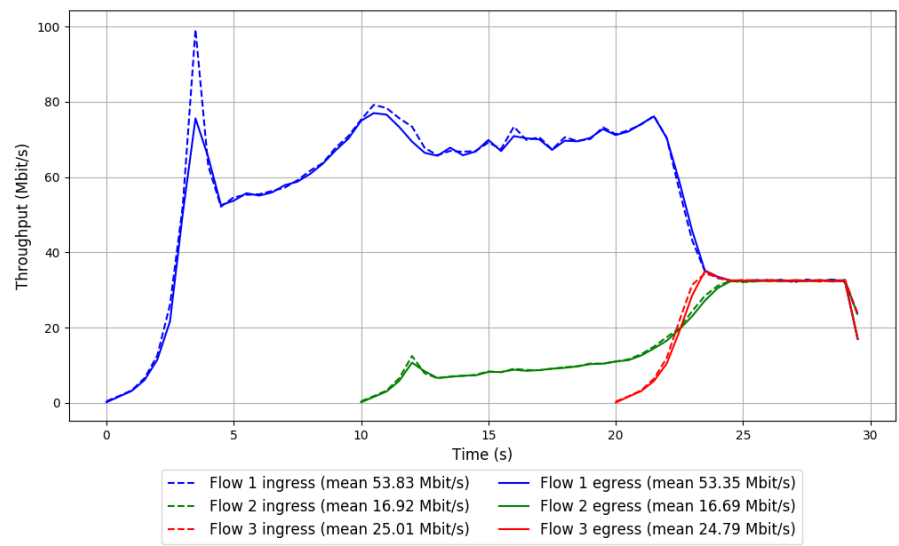


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-03 19:10:27
End at: 2018-02-03 19:10:57
Local clock offset: -0.274 ms
Remote clock offset: 1.391 ms

# Below is generated by plot.py at 2018-02-04 03:04:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 116.259 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 116.130 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 115.073 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 117.623 ms
Loss rate: 2.90%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-03 19:33:00

End at: 2018-02-03 19:33:30

Local clock offset: -0.291 ms

Remote clock offset: 2.712 ms

Below is generated by plot.py at 2018-02-04 03:04:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.21 Mbit/s

95th percentile per-packet one-way delay: 114.578 ms

Loss rate: 5.38%

-- Flow 1:

Average throughput: 50.66 Mbit/s

95th percentile per-packet one-way delay: 112.297 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 29.67 Mbit/s

95th percentile per-packet one-way delay: 115.559 ms

Loss rate: 10.35%

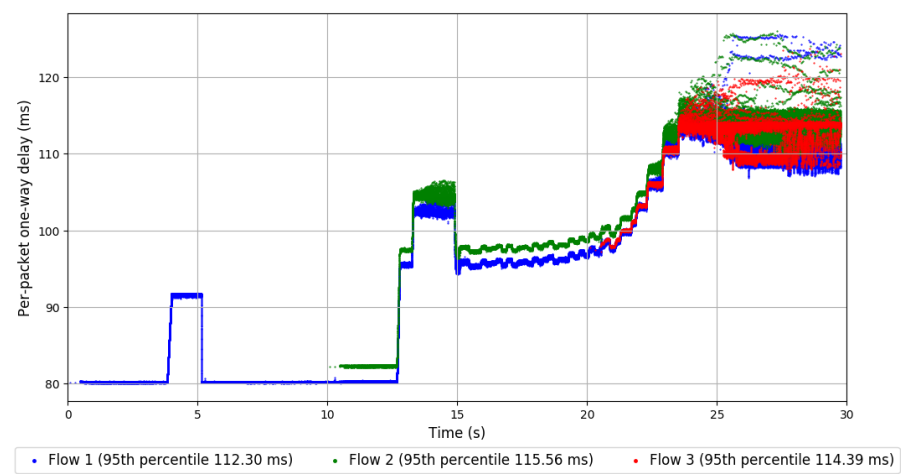
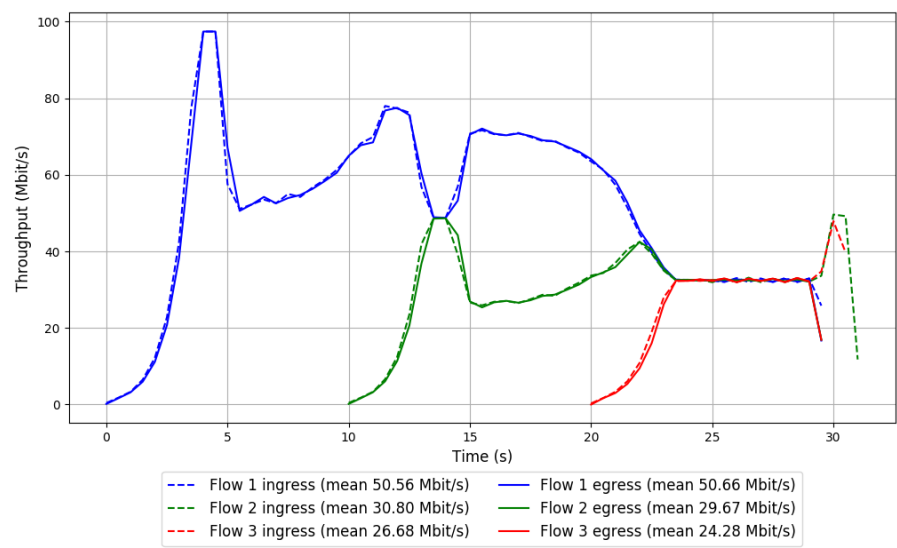
-- Flow 3:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 114.395 ms

Loss rate: 19.42%

Run 2: Report of Vivace-loss — Data Link

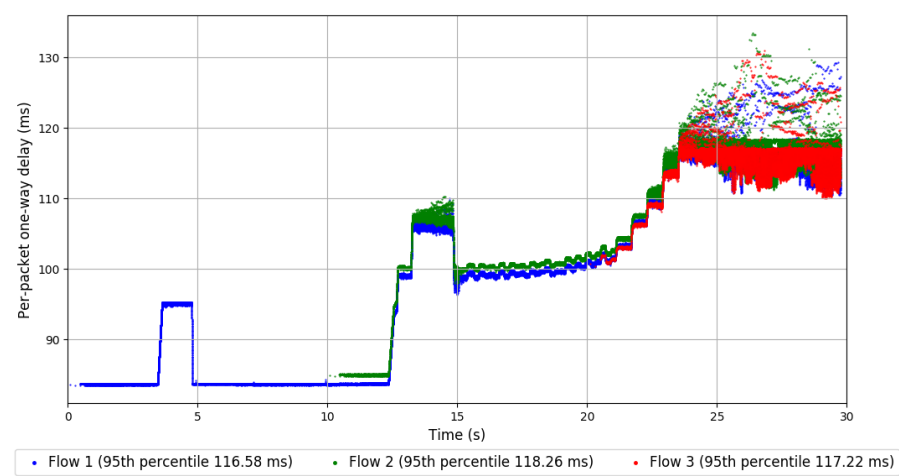
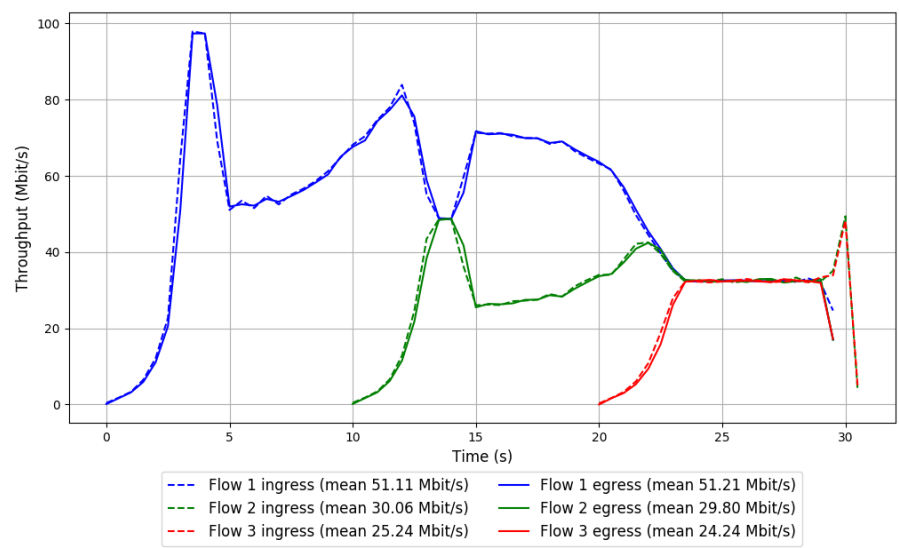


Run 3: Statistics of Vivace-loss

Start at: 2018-02-03 19:55:34
End at: 2018-02-03 19:56:04
Local clock offset: -0.208 ms
Remote clock offset: -1.543 ms

Below is generated by plot.py at 2018-02-04 03:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 117.442 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 51.21 Mbit/s
95th percentile per-packet one-way delay: 116.581 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 118.259 ms
Loss rate: 6.28%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 117.218 ms
Loss rate: 14.25%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-03 20:18:08

End at: 2018-02-03 20:18:38

Local clock offset: -0.233 ms

Remote clock offset: 2.266 ms

Below is generated by plot.py at 2018-02-04 03:04:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.95 Mbit/s

95th percentile per-packet one-way delay: 103.534 ms

Loss rate: 4.06%

-- Flow 1:

Average throughput: 51.66 Mbit/s

95th percentile per-packet one-way delay: 103.587 ms

Loss rate: 3.88%

-- Flow 2:

Average throughput: 23.50 Mbit/s

95th percentile per-packet one-way delay: 103.562 ms

Loss rate: 4.47%

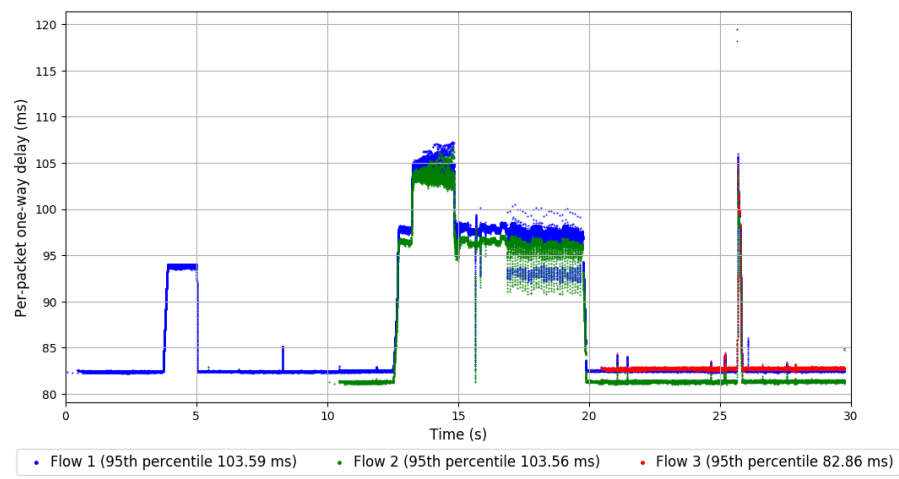
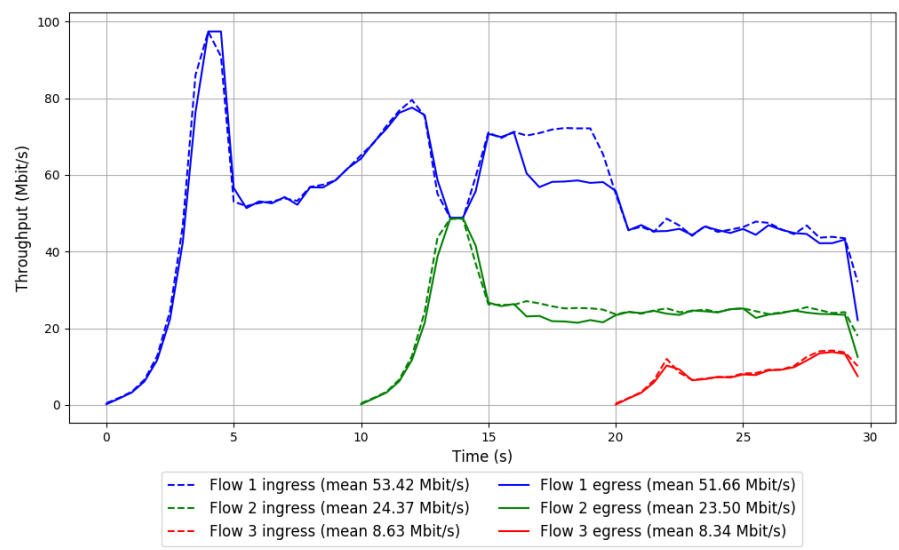
-- Flow 3:

Average throughput: 8.34 Mbit/s

95th percentile per-packet one-way delay: 82.856 ms

Loss rate: 5.09%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-03 20:40:53

End at: 2018-02-03 20:41:23

Local clock offset: -0.079 ms

Remote clock offset: 3.908 ms

Below is generated by plot.py at 2018-02-04 03:05:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.86 Mbit/s

95th percentile per-packet one-way delay: 112.998 ms

Loss rate: 5.53%

-- Flow 1:

Average throughput: 51.01 Mbit/s

95th percentile per-packet one-way delay: 111.702 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 30.19 Mbit/s

95th percentile per-packet one-way delay: 114.101 ms

Loss rate: 11.07%

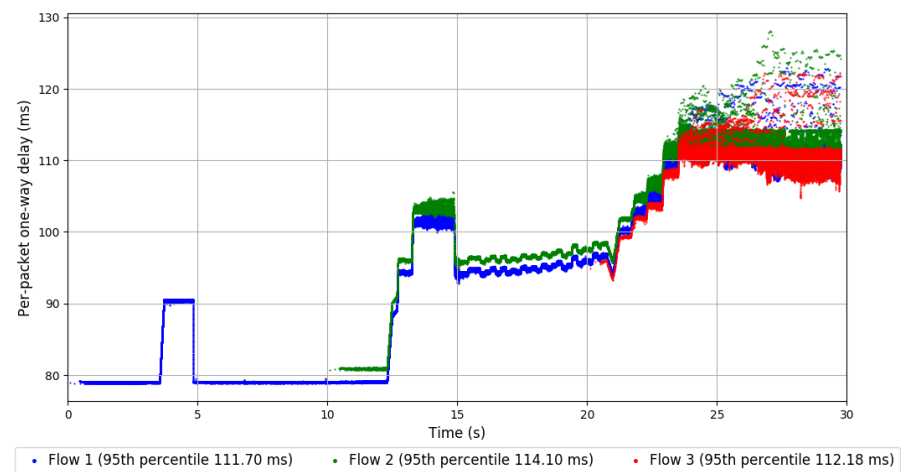
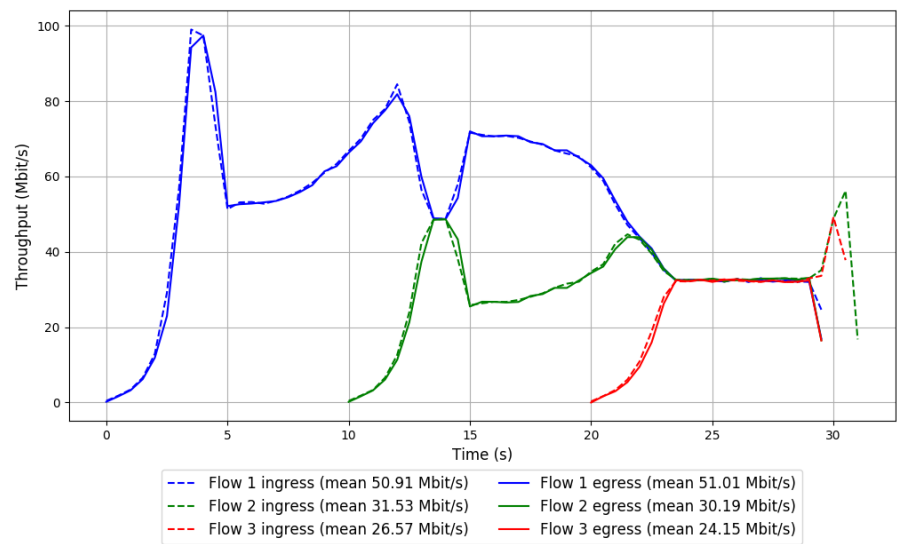
-- Flow 3:

Average throughput: 24.15 Mbit/s

95th percentile per-packet one-way delay: 112.183 ms

Loss rate: 19.32%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-03 21:03:29

End at: 2018-02-03 21:03:59

Local clock offset: -0.029 ms

Remote clock offset: 2.788 ms

Below is generated by plot.py at 2018-02-04 03:05:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.80 Mbit/s

95th percentile per-packet one-way delay: 111.846 ms

Loss rate: 5.71%

-- Flow 1:

Average throughput: 50.99 Mbit/s

95th percentile per-packet one-way delay: 111.645 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 30.07 Mbit/s

95th percentile per-packet one-way delay: 111.380 ms

Loss rate: 8.72%

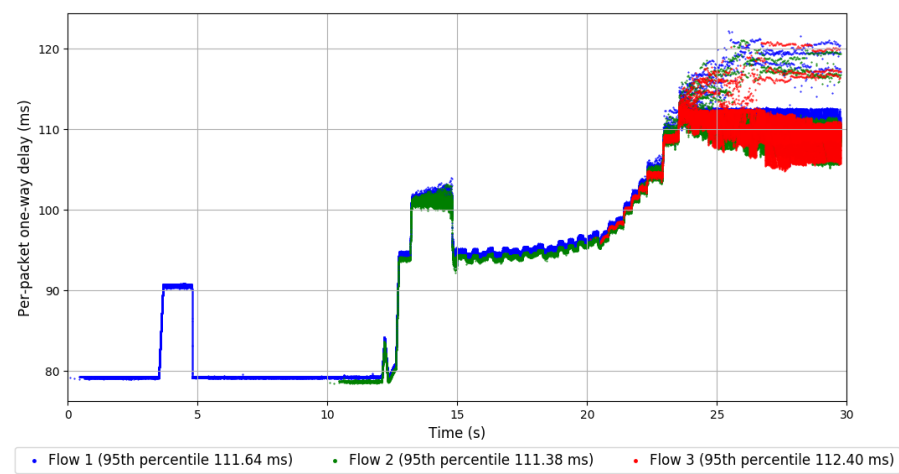
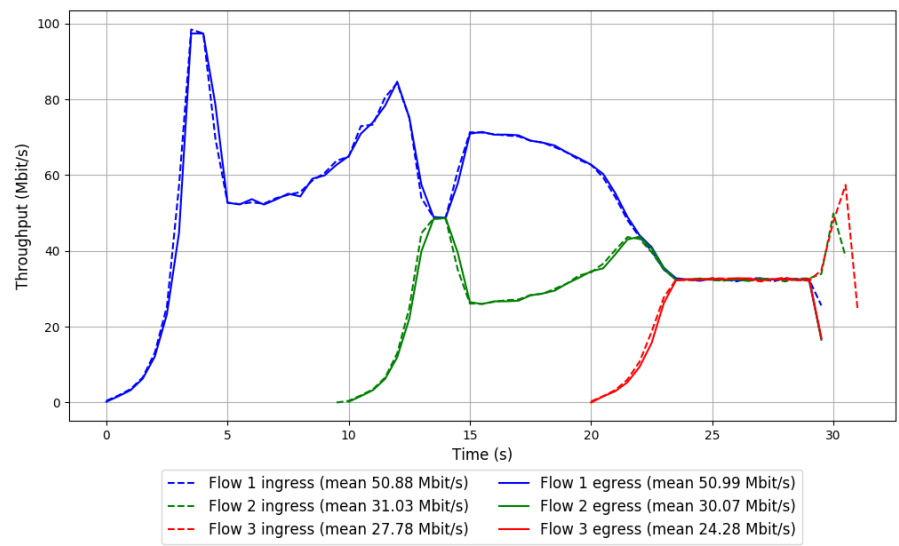
-- Flow 3:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 112.400 ms

Loss rate: 24.80%

Run 6: Report of Vivace-loss — Data Link

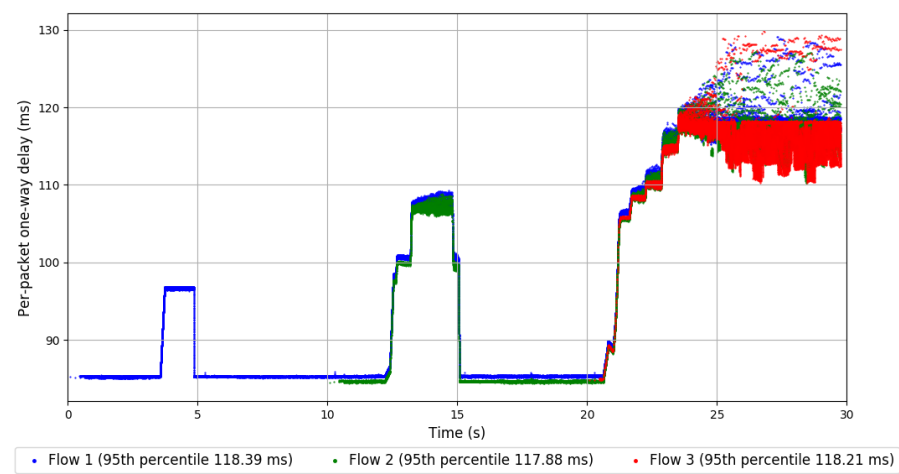
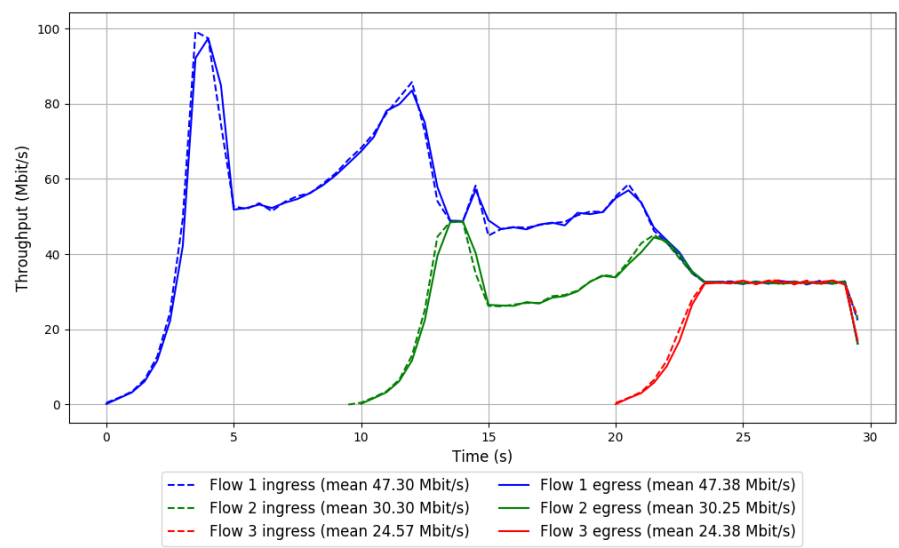


Run 7: Statistics of Vivace-loss

Start at: 2018-02-03 21:25:57
End at: 2018-02-03 21:26:27
Local clock offset: -0.038 ms
Remote clock offset: -1.983 ms

Below is generated by plot.py at 2018-02-04 03:05:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 118.212 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 118.388 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 117.875 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 118.206 ms
Loss rate: 2.87%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-03 21:48:27

End at: 2018-02-03 21:48:57

Local clock offset: -0.042 ms

Remote clock offset: 2.042 ms

Below is generated by plot.py at 2018-02-04 03:05:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.74 Mbit/s

95th percentile per-packet one-way delay: 80.986 ms

Loss rate: 2.41%

-- Flow 1:

Average throughput: 57.97 Mbit/s

95th percentile per-packet one-way delay: 80.171 ms

Loss rate: 2.31%

-- Flow 2:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 81.035 ms

Loss rate: 2.80%

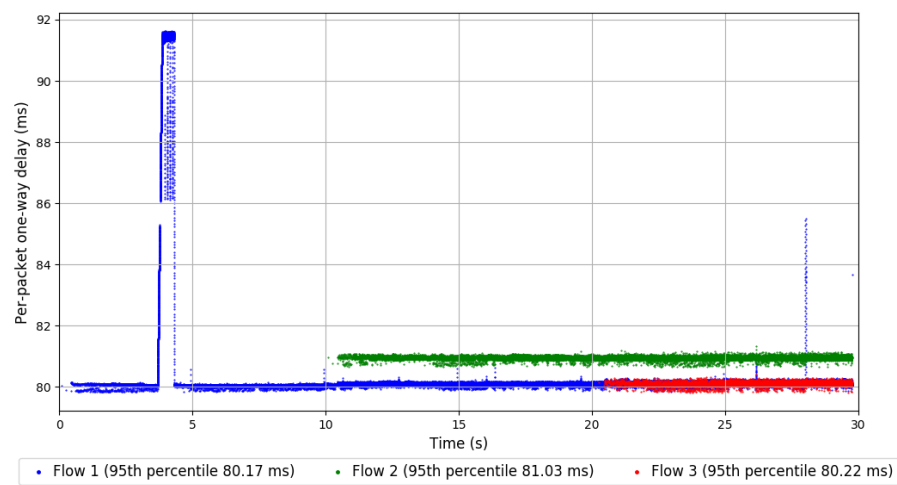
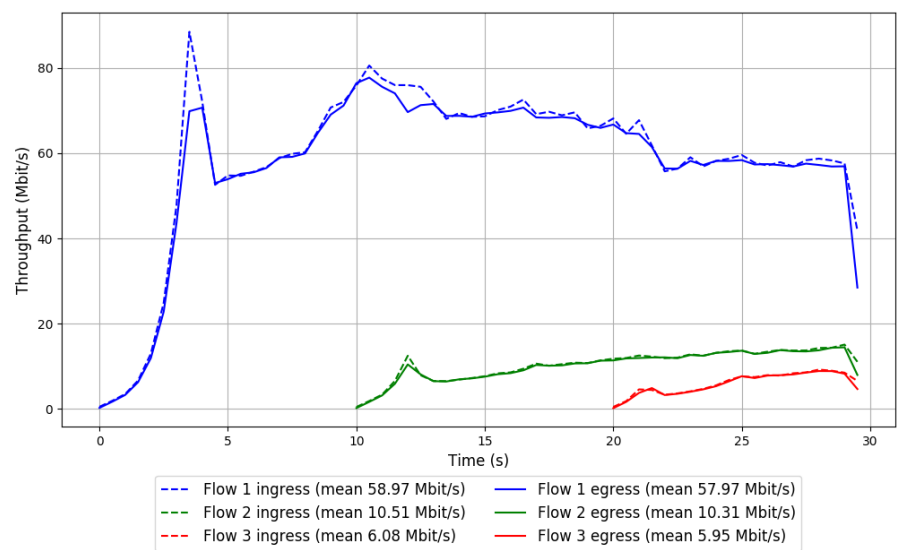
-- Flow 3:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 80.218 ms

Loss rate: 3.99%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-03 22:11:19

End at: 2018-02-03 22:11:49

Local clock offset: -0.09 ms

Remote clock offset: 2.5 ms

Below is generated by plot.py at 2018-02-04 03:05:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 112.941 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 46.99 Mbit/s

95th percentile per-packet one-way delay: 112.758 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 31.01 Mbit/s

95th percentile per-packet one-way delay: 113.287 ms

Loss rate: 1.13%

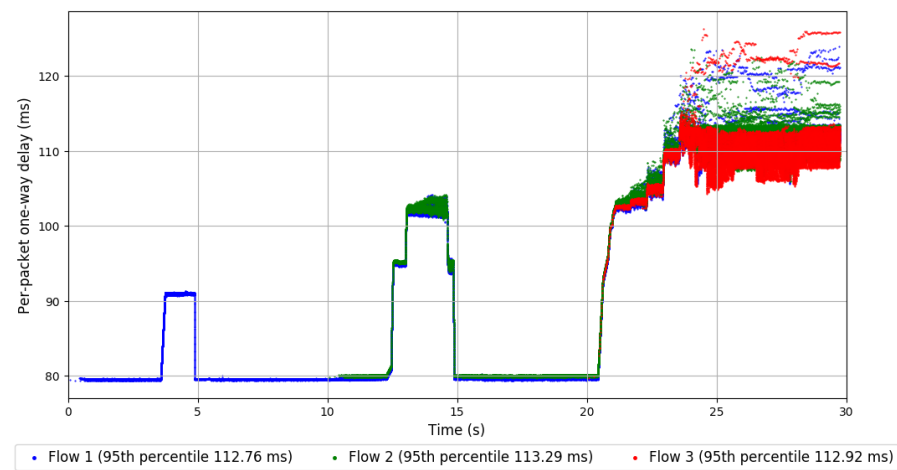
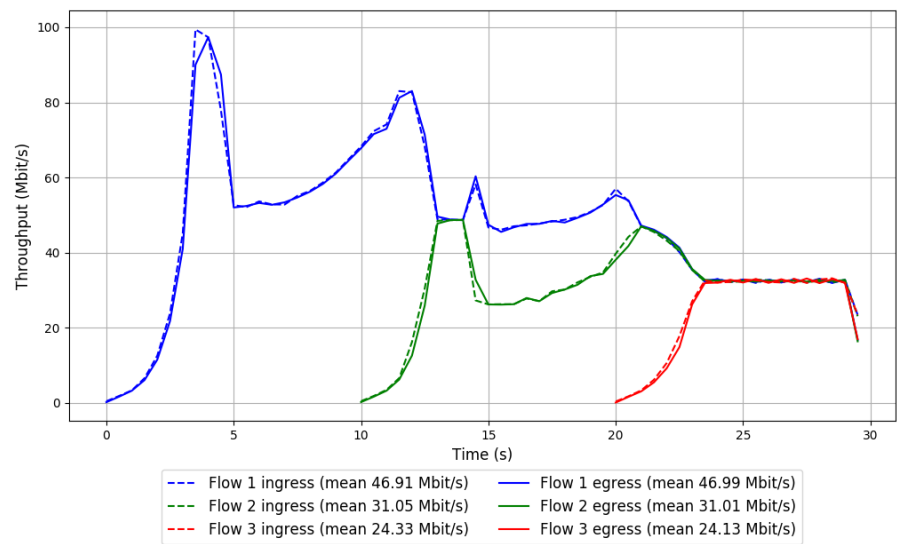
-- Flow 3:

Average throughput: 24.13 Mbit/s

95th percentile per-packet one-way delay: 112.919 ms

Loss rate: 2.92%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-03 22:34:00

End at: 2018-02-03 22:34:30

Local clock offset: -0.146 ms

Remote clock offset: 1.8 ms

Below is generated by plot.py at 2018-02-04 03:05:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.04 Mbit/s

95th percentile per-packet one-way delay: 114.229 ms

Loss rate: 4.15%

-- Flow 1:

Average throughput: 50.24 Mbit/s

95th percentile per-packet one-way delay: 112.107 ms

Loss rate: 2.66%

-- Flow 2:

Average throughput: 30.17 Mbit/s

95th percentile per-packet one-way delay: 114.350 ms

Loss rate: 8.02%

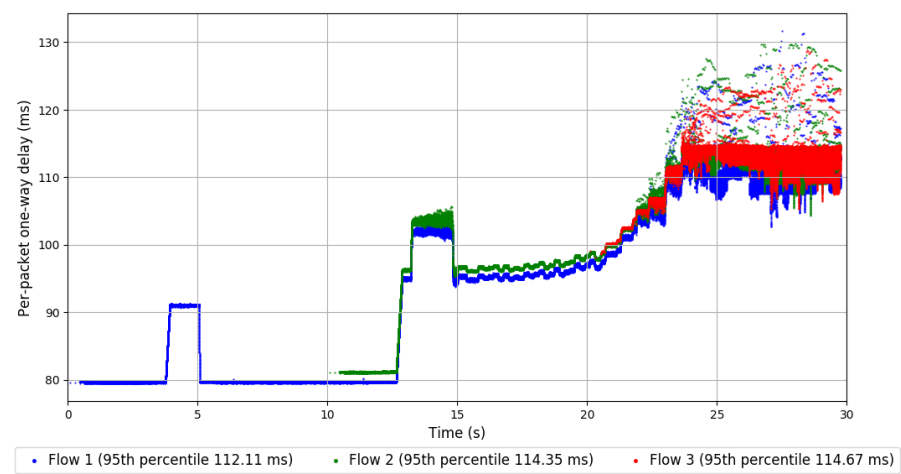
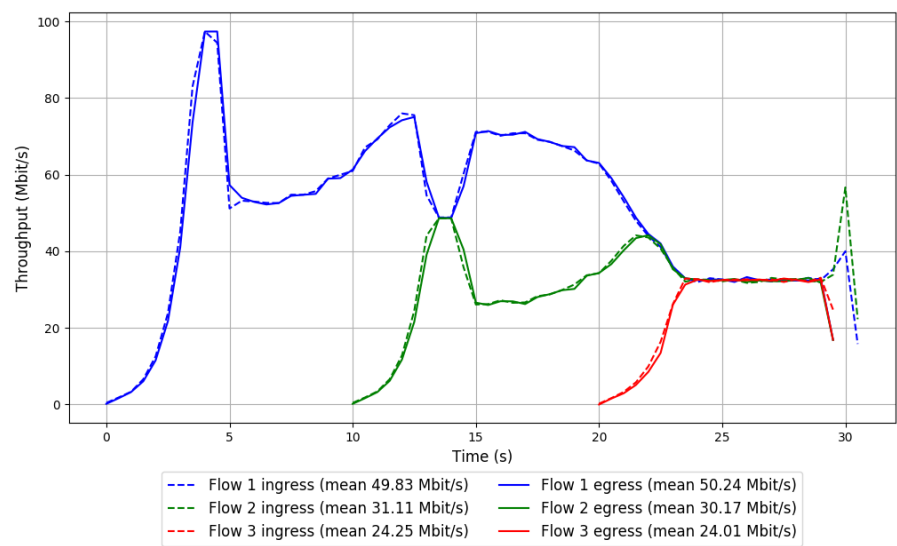
-- Flow 3:

Average throughput: 24.01 Mbit/s

95th percentile per-packet one-way delay: 114.675 ms

Loss rate: 3.26%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-03 19:11:48

End at: 2018-02-03 19:12:18

Local clock offset: -0.278 ms

Remote clock offset: 2.236 ms

Below is generated by plot.py at 2018-02-04 03:05:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.84 Mbit/s

95th percentile per-packet one-way delay: 112.775 ms

Loss rate: 2.65%

-- Flow 1:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 112.265 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 113.475 ms

Loss rate: 5.03%

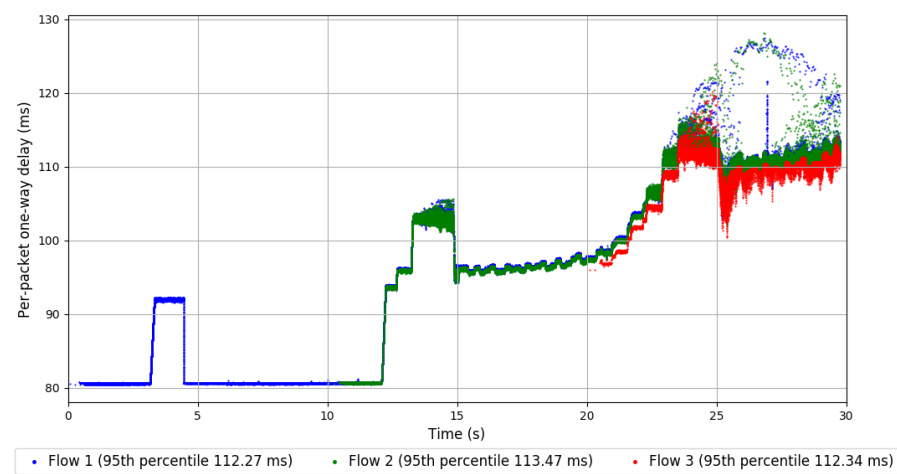
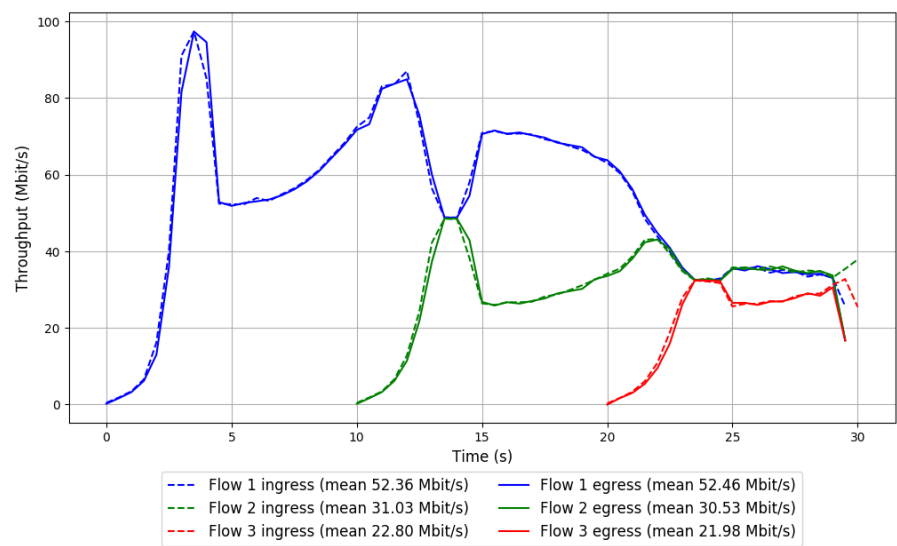
-- Flow 3:

Average throughput: 21.98 Mbit/s

95th percentile per-packet one-way delay: 112.337 ms

Loss rate: 10.32%

Run 1: Report of Vivace-LTE — Data Link

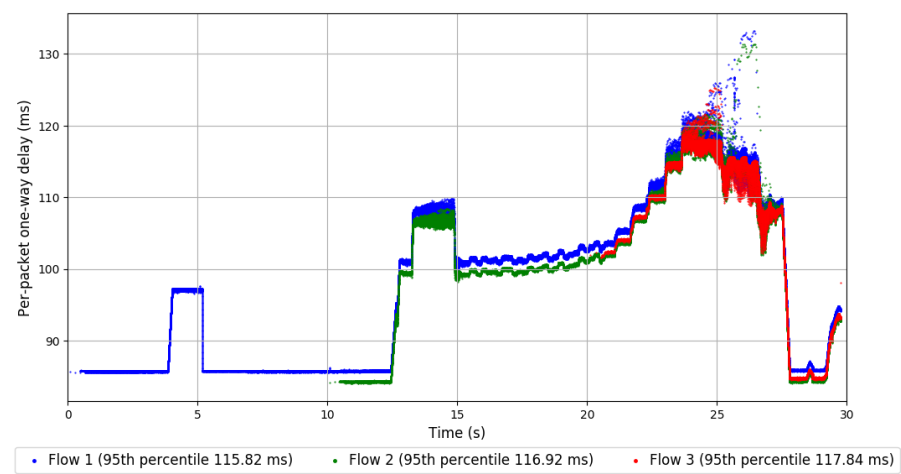
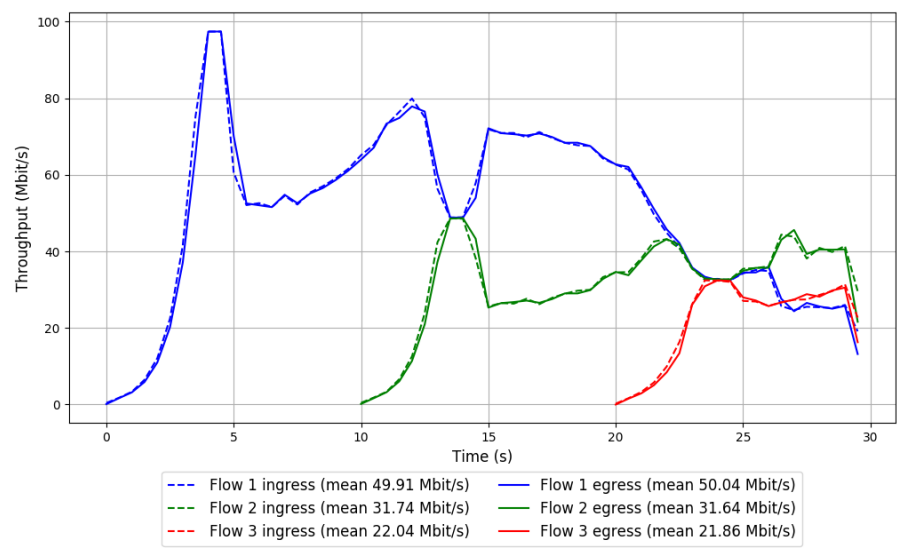


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-03 19:34:22
End at: 2018-02-03 19:34:52
Local clock offset: -0.24 ms
Remote clock offset: -1.032 ms

Below is generated by plot.py at 2018-02-04 03:06:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 117.008 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 115.821 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 116.915 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 117.840 ms
Loss rate: 2.82%

Run 2: Report of Vivace-LTE — Data Link

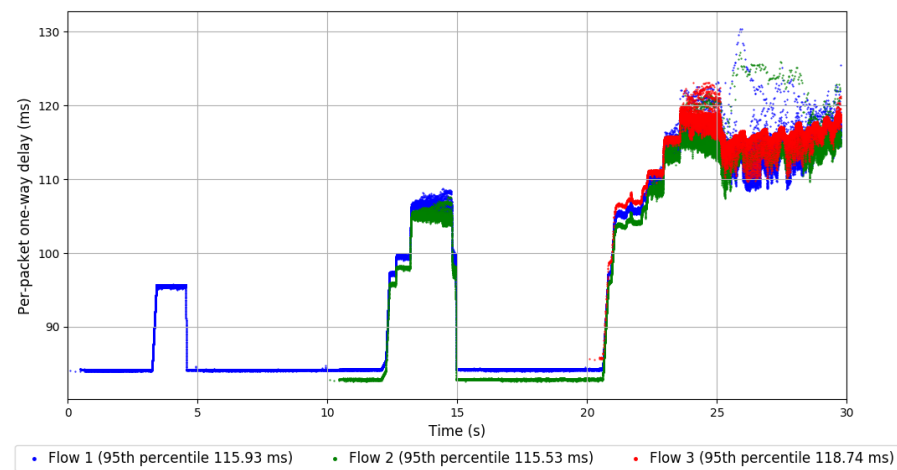
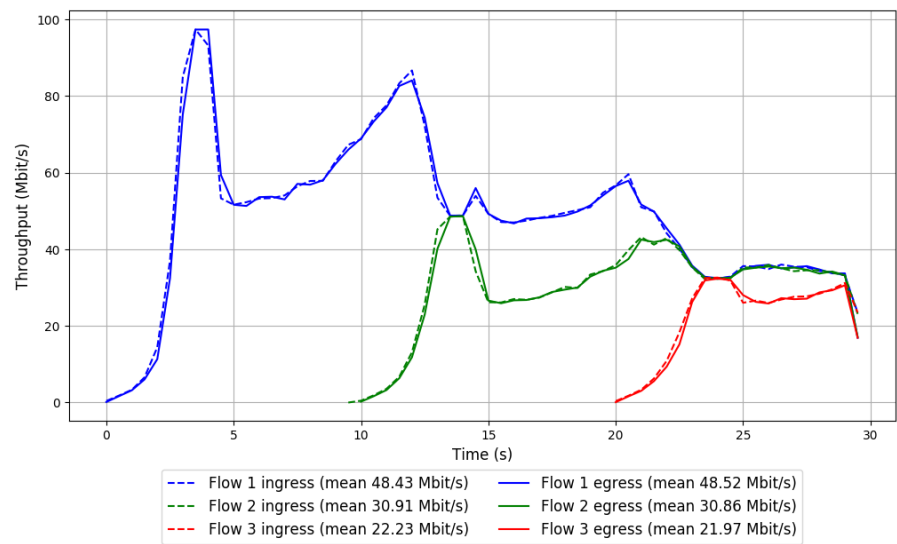


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-03 19:56:56
End at: 2018-02-03 19:57:26
Local clock offset: -0.27 ms
Remote clock offset: -0.662 ms

Below is generated by plot.py at 2018-02-04 03:06:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.14 Mbit/s
95th percentile per-packet one-way delay: 116.928 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 115.933 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 115.532 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 118.739 ms
Loss rate: 3.23%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-03 20:19:29

End at: 2018-02-03 20:19:59

Local clock offset: -0.176 ms

Remote clock offset: 3.123 ms

Below is generated by plot.py at 2018-02-04 03:06:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.33 Mbit/s

95th percentile per-packet one-way delay: 81.962 ms

Loss rate: 2.69%

-- Flow 1:

Average throughput: 56.61 Mbit/s

95th percentile per-packet one-way delay: 80.739 ms

Loss rate: 2.50%

-- Flow 2:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 82.004 ms

Loss rate: 3.37%

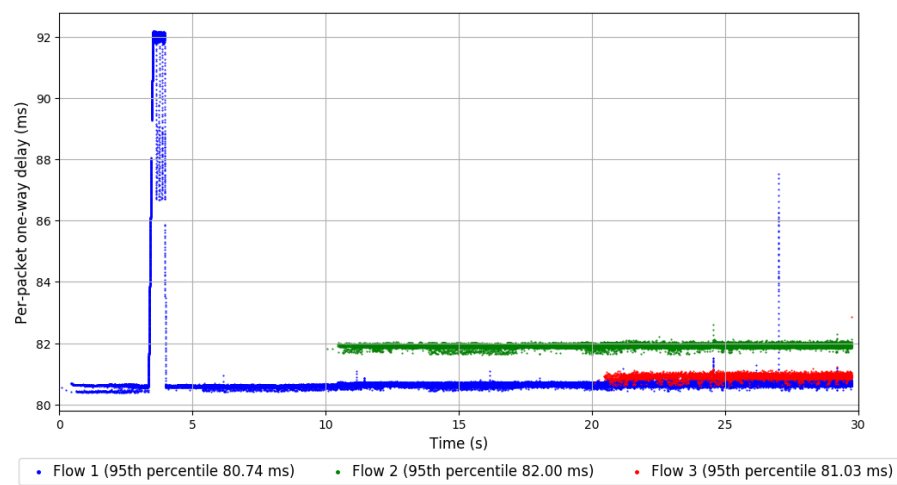
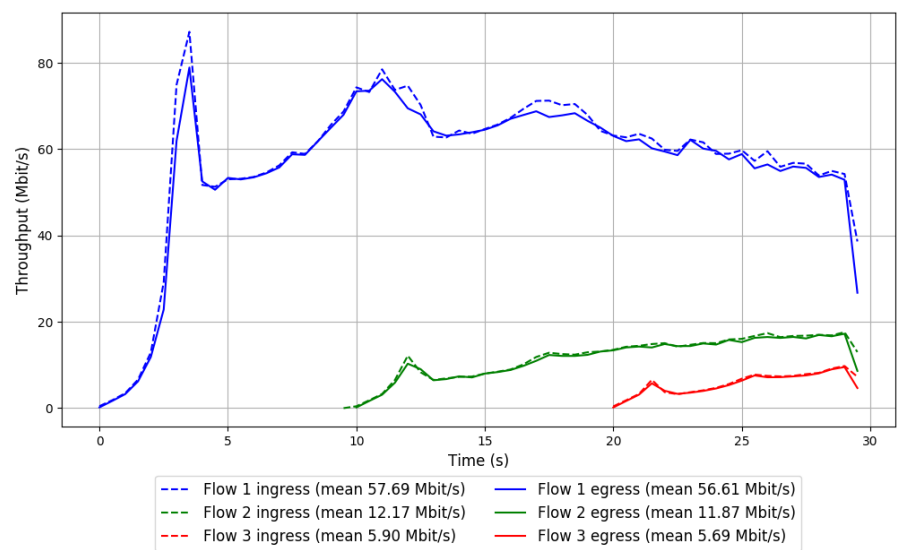
-- Flow 3:

Average throughput: 5.69 Mbit/s

95th percentile per-packet one-way delay: 81.031 ms

Loss rate: 5.43%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-03 20:42:16

End at: 2018-02-03 20:42:46

Local clock offset: -0.07 ms

Remote clock offset: 3.02 ms

Below is generated by plot.py at 2018-02-04 03:06:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.56 Mbit/s

95th percentile per-packet one-way delay: 112.652 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 52.05 Mbit/s

95th percentile per-packet one-way delay: 111.332 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 31.16 Mbit/s

95th percentile per-packet one-way delay: 112.667 ms

Loss rate: 1.38%

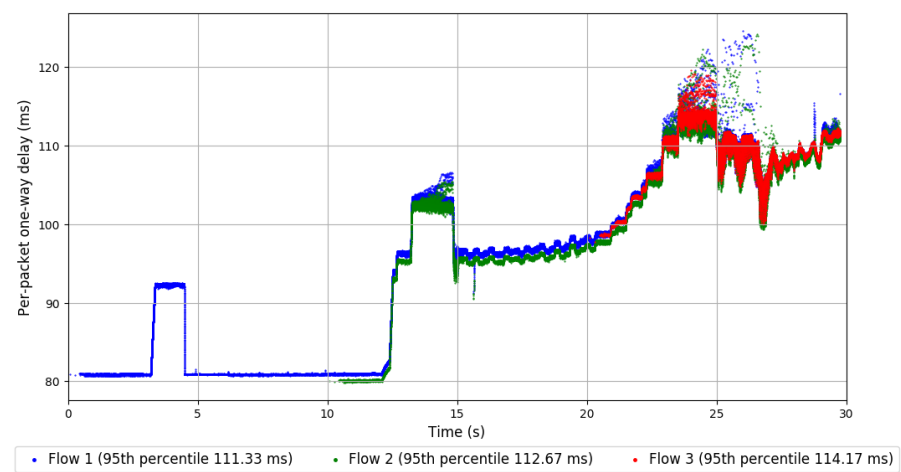
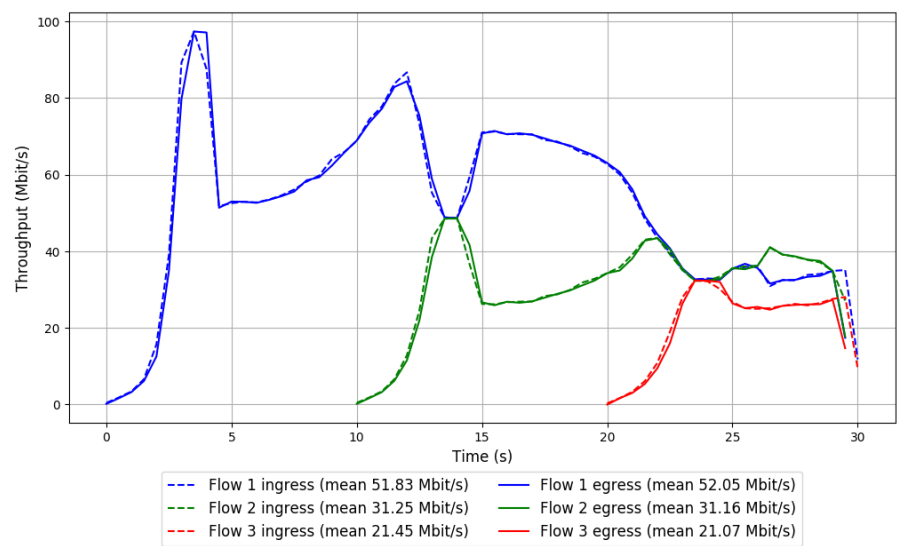
-- Flow 3:

Average throughput: 21.07 Mbit/s

95th percentile per-packet one-way delay: 114.168 ms

Loss rate: 6.68%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-03 21:04:51

End at: 2018-02-03 21:05:21

Local clock offset: -0.114 ms

Remote clock offset: 1.94 ms

Below is generated by plot.py at 2018-02-04 03:06:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.53 Mbit/s

95th percentile per-packet one-way delay: 112.713 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 52.18 Mbit/s

95th percentile per-packet one-way delay: 111.249 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 114.538 ms

Loss rate: 1.18%

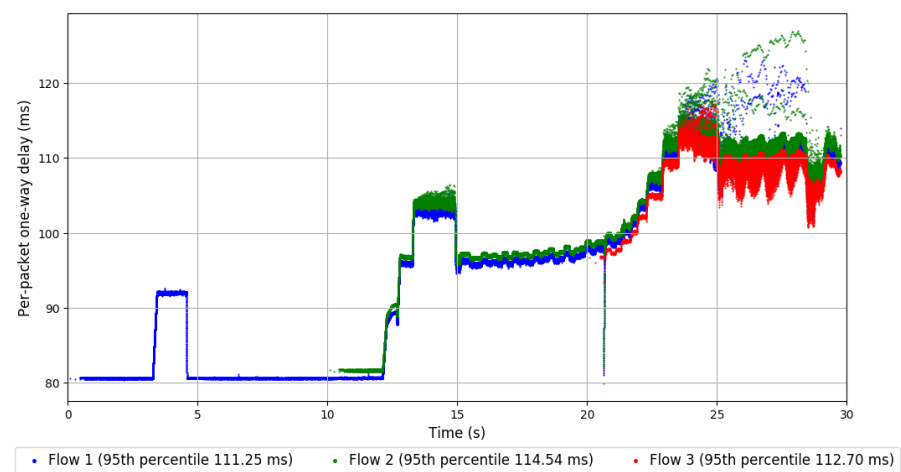
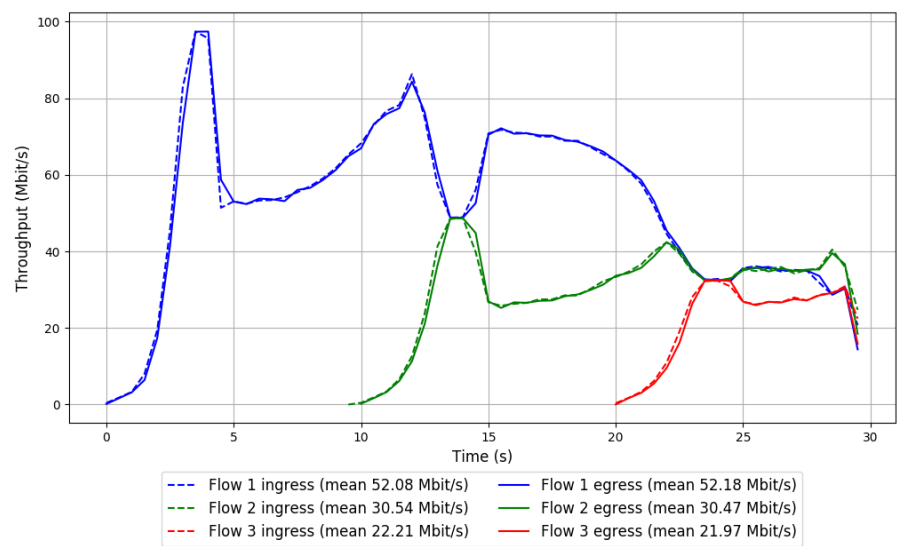
-- Flow 3:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 112.701 ms

Loss rate: 3.06%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-03 21:27:18

End at: 2018-02-03 21:27:48

Local clock offset: -0.114 ms

Remote clock offset: 3.449 ms

Below is generated by plot.py at 2018-02-04 03:06:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.00 Mbit/s

95th percentile per-packet one-way delay: 112.735 ms

Loss rate: 2.50%

-- Flow 1:

Average throughput: 51.28 Mbit/s

95th percentile per-packet one-way delay: 112.201 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 31.07 Mbit/s

95th percentile per-packet one-way delay: 113.734 ms

Loss rate: 4.56%

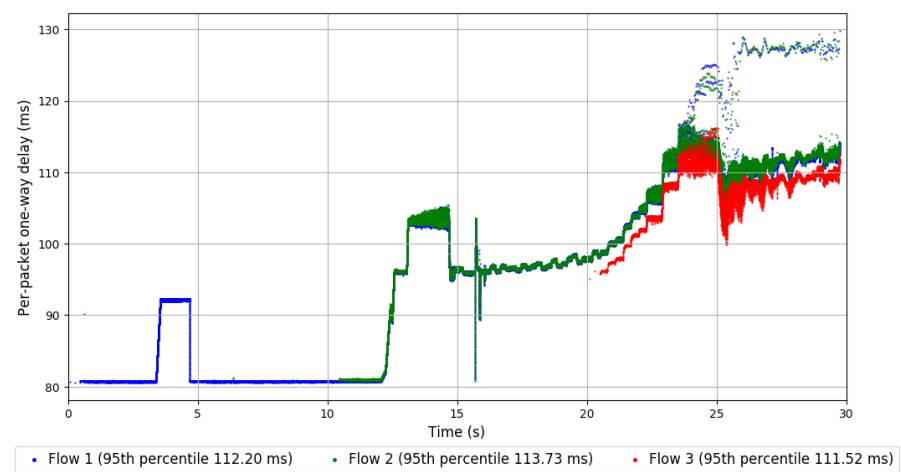
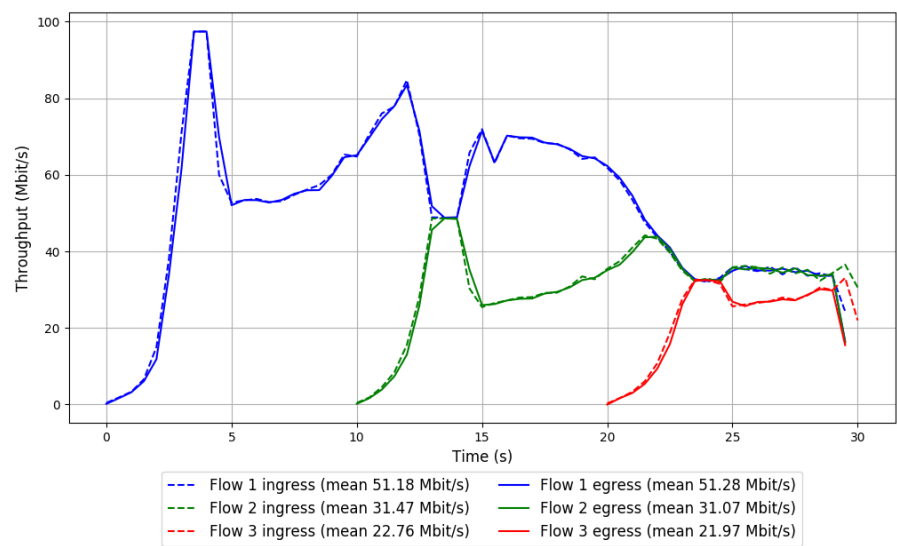
-- Flow 3:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 111.516 ms

Loss rate: 9.87%

Run 7: Report of Vivace-LTE — Data Link

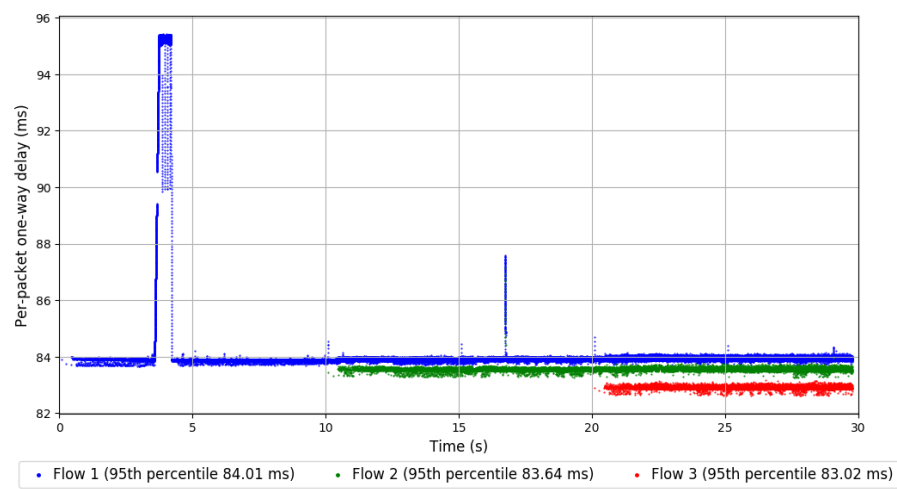
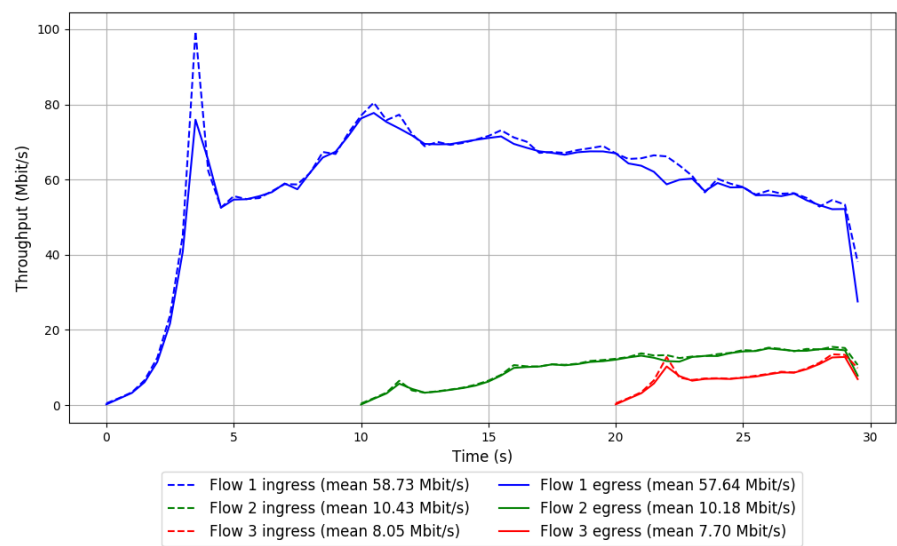


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-03 21:49:57
End at: 2018-02-03 21:50:27
Local clock offset: -0.128 ms
Remote clock offset: -1.705 ms

Below is generated by plot.py at 2018-02-04 03:06:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 84.001 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 84.013 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: 83.641 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 83.024 ms
Loss rate: 6.12%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-03 22:12:41

End at: 2018-02-03 22:13:11

Local clock offset: -0.068 ms

Remote clock offset: 0.725 ms

Below is generated by plot.py at 2018-02-04 03:06:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.11 Mbit/s

95th percentile per-packet one-way delay: 112.914 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 49.98 Mbit/s

95th percentile per-packet one-way delay: 113.085 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 112.750 ms

Loss rate: 1.22%

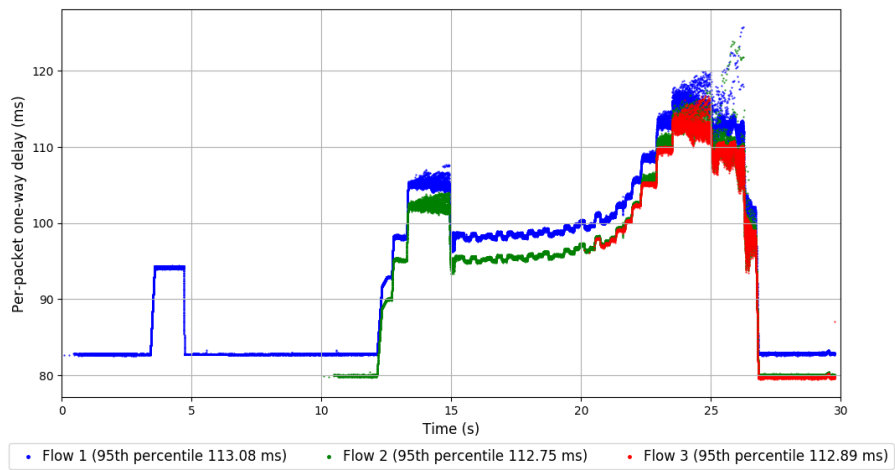
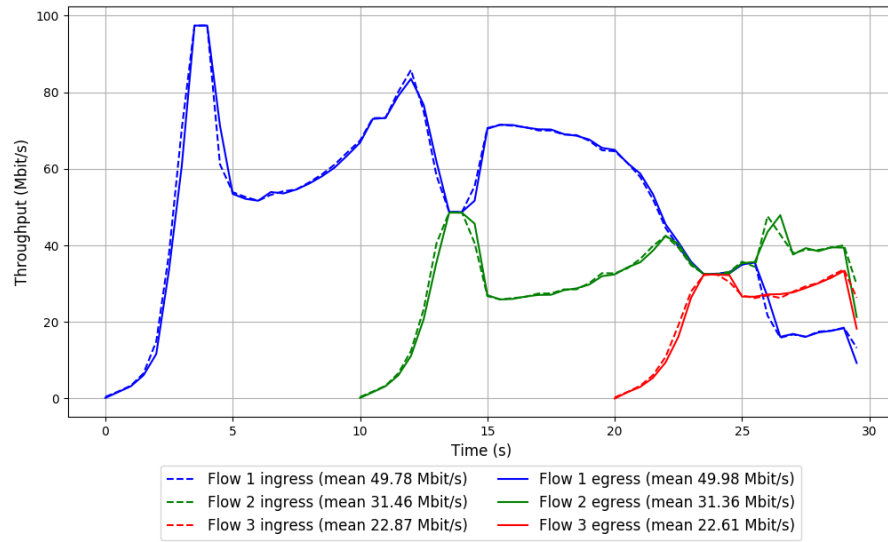
-- Flow 3:

Average throughput: 22.61 Mbit/s

95th percentile per-packet one-way delay: 112.892 ms

Loss rate: 3.08%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-03 22:35:22

End at: 2018-02-03 22:35:52

Local clock offset: -0.154 ms

Remote clock offset: 1.841 ms

Below is generated by plot.py at 2018-02-04 03:06:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 111.449 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 51.79 Mbit/s

95th percentile per-packet one-way delay: 109.979 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 28.80 Mbit/s

95th percentile per-packet one-way delay: 112.530 ms

Loss rate: 1.21%

-- Flow 3:

Average throughput: 22.46 Mbit/s

95th percentile per-packet one-way delay: 111.809 ms

Loss rate: 3.09%

Run 10: Report of Vivace-LTE — Data Link

