

Pantheon Report

Generated at 2018-02-01 05:53:27 (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).

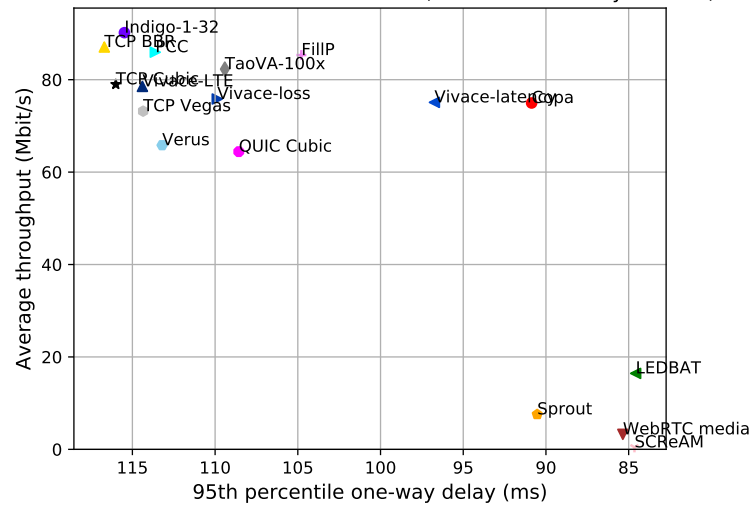
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

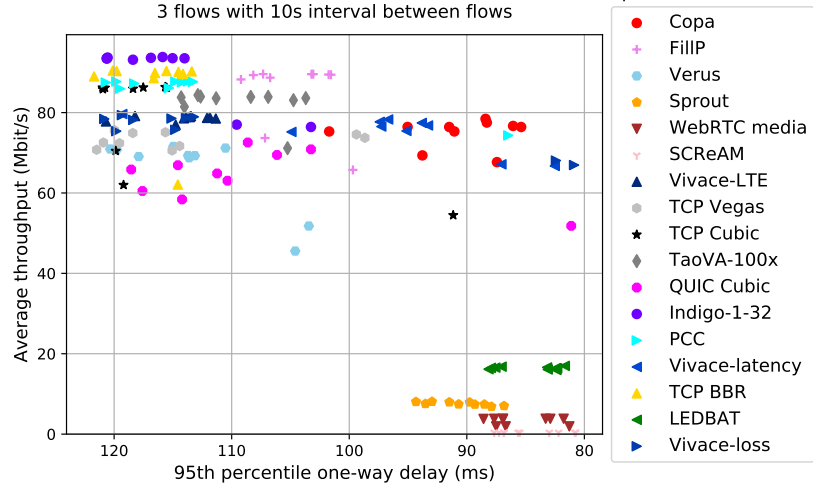
Git summary:

```
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	53.38	36.77	28.49	115.68	116.61	117.64	1.47	2.23	4.03
TCP Cubic	10	44.78	37.22	29.14	115.19	115.88	116.96	0.85	1.46	3.50
LEDBAT	10	10.68	7.05	3.38	83.95	84.67	84.88	1.23	1.84	3.75
PCC	10	58.03	29.00	29.29	112.86	116.26	117.25	2.27	3.63	9.98
QUIC Cubic	10	38.60	30.21	17.82	108.44	108.48	109.16	0.76	1.12	2.55
SCReAM	10	0.21	0.22	0.22	83.79	83.65	84.33	0.63	0.84	1.60
WebRTC media	10	1.48	1.32	0.48	85.10	85.04	85.00	0.53	0.78	3.37
Sprout	10	3.87	3.94	3.37	90.37	90.22	90.73	0.66	0.94	2.66
TaoVA-100x	10	49.63	38.96	20.89	108.17	109.43	111.43	1.63	2.44	4.05
TCP Vegas	10	37.94	40.74	25.05	113.40	114.54	114.84	0.63	0.87	2.28
Verus	10	33.28	36.51	25.55	112.02	113.05	115.05	2.36	3.51	4.48
Copa	10	48.84	33.89	11.03	89.42	92.11	95.84	2.41	4.05	6.23
FillP	10	52.93	36.23	25.59	103.18	104.89	106.38	3.98	6.13	15.26
Indigo-1-32	10	60.79	32.48	24.48	114.25	115.70	117.02	3.18	5.09	5.13
Vivace-latency	10	62.84	15.05	7.01	95.84	97.30	96.71	0.94	1.96	4.03
Vivace-loss	10	51.22	26.96	20.70	108.95	109.61	109.73	1.87	4.93	8.10
Vivace-LTE	10	51.34	30.44	21.62	112.83	114.74	114.87	1.20	2.55	4.46

Run 1: Statistics of TCP BBR

Start at: 2018-01-31 21:43:22

End at: 2018-01-31 21:43:52

Local clock offset: 1.079 ms

Remote clock offset: 3.428 ms

Below is generated by plot.py at 2018-02-01 05:30:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 113.397 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 54.68 Mbit/s

95th percentile per-packet one-way delay: 111.805 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 113.073 ms

Loss rate: 0.89%

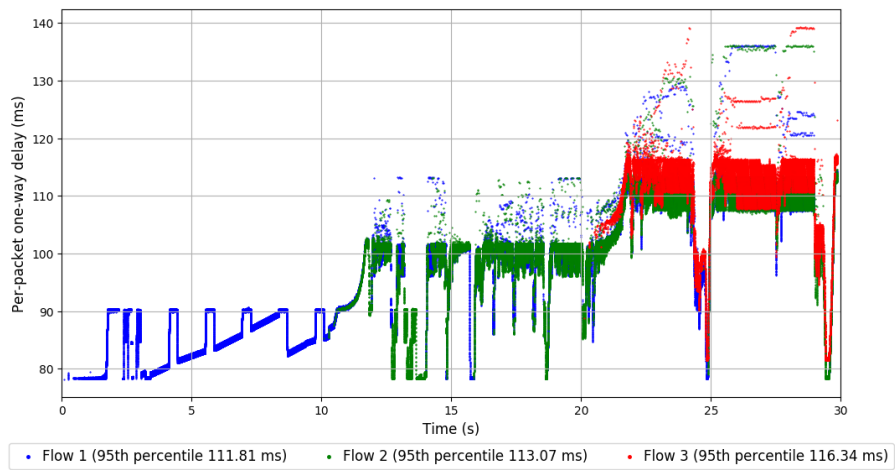
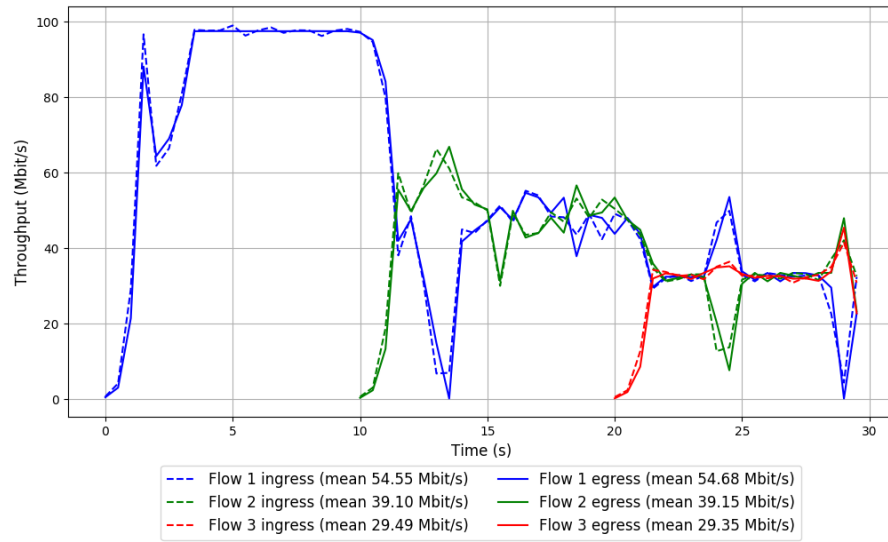
-- Flow 3:

Average throughput: 29.35 Mbit/s

95th percentile per-packet one-way delay: 116.336 ms

Loss rate: 2.37%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-01-31 22:07:28

End at: 2018-01-31 22:07:58

Local clock offset: 1.103 ms

Remote clock offset: 2.108 ms

Below is generated by plot.py at 2018-02-01 05:30:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.34 Mbit/s

95th percentile per-packet one-way delay: 115.549 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 55.79 Mbit/s

95th percentile per-packet one-way delay: 115.072 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 37.98 Mbit/s

95th percentile per-packet one-way delay: 115.404 ms

Loss rate: 0.89%

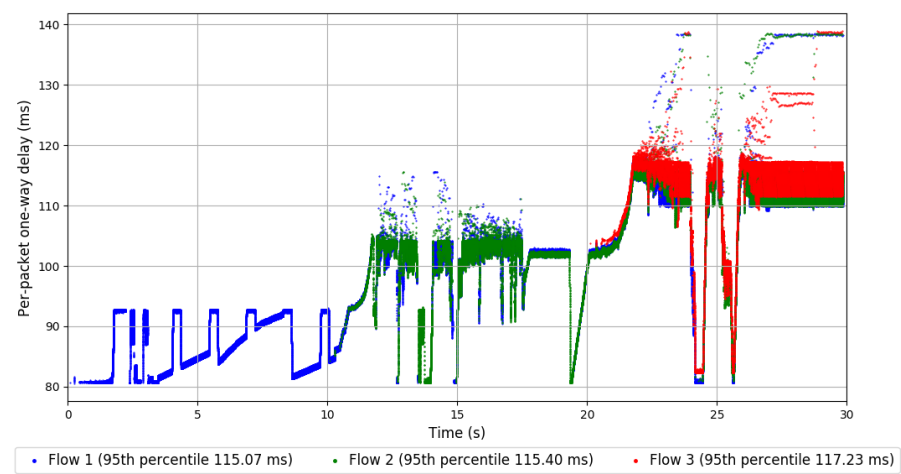
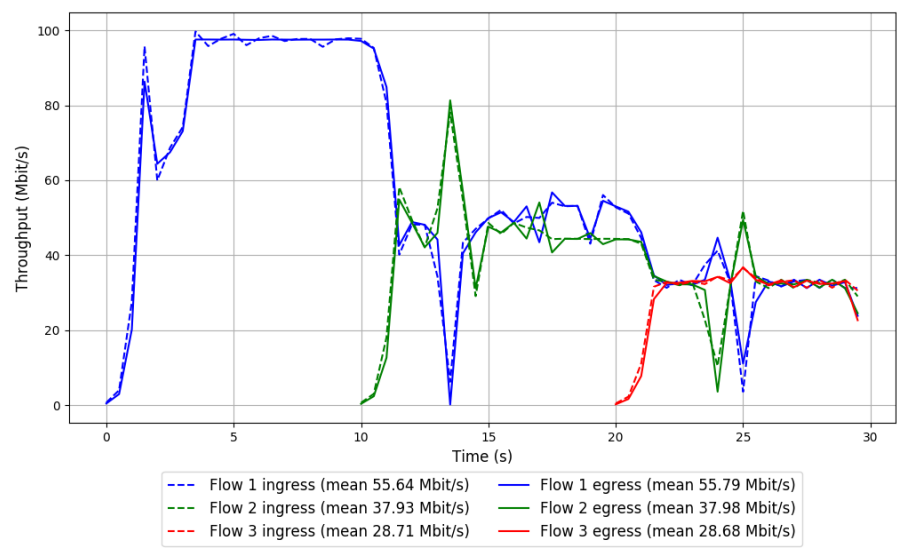
-- Flow 3:

Average throughput: 28.68 Mbit/s

95th percentile per-packet one-way delay: 117.229 ms

Loss rate: 2.62%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

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

End at: 2018-01-31 22:31:50

Local clock offset: 1.026 ms

Remote clock offset: 0.75 ms

Below is generated by plot.py at 2018-02-01 05:30:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 114.144 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 55.01 Mbit/s

95th percentile per-packet one-way delay: 112.834 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 37.96 Mbit/s

95th percentile per-packet one-way delay: 114.449 ms

Loss rate: 1.35%

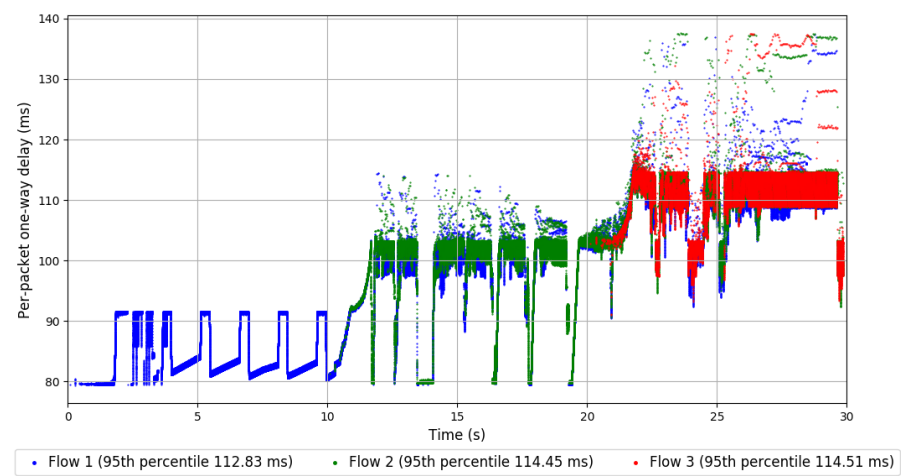
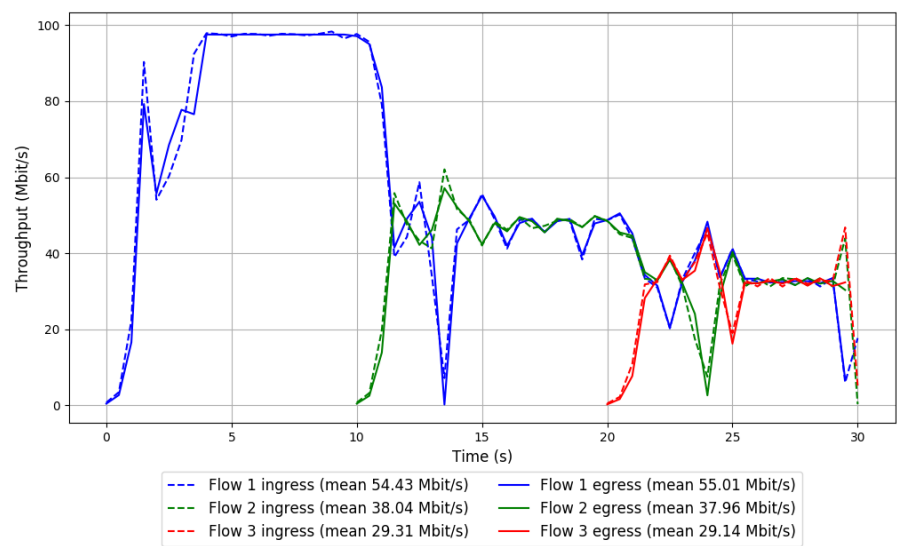
-- Flow 3:

Average throughput: 29.14 Mbit/s

95th percentile per-packet one-way delay: 114.507 ms

Loss rate: 4.68%

Run 3: Report of TCP BBR — Data Link

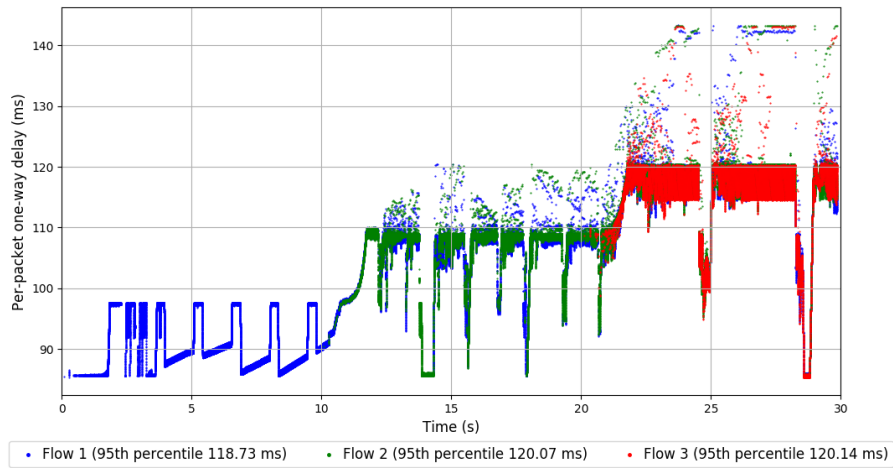
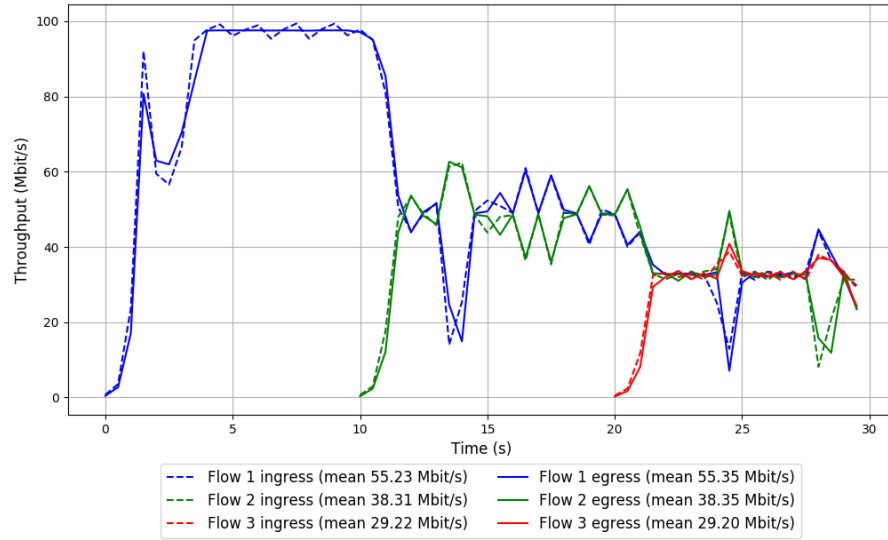


Run 4: Statistics of TCP BBR

Start at: 2018-01-31 22:55:11
End at: 2018-01-31 22:55:41
Local clock offset: 1.009 ms
Remote clock offset: -5.071 ms

Below is generated by plot.py at 2018-02-01 05:30:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 119.787 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: 118.728 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 120.070 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 120.139 ms
Loss rate: 2.31%

Run 4: Report of TCP BBR — Data Link

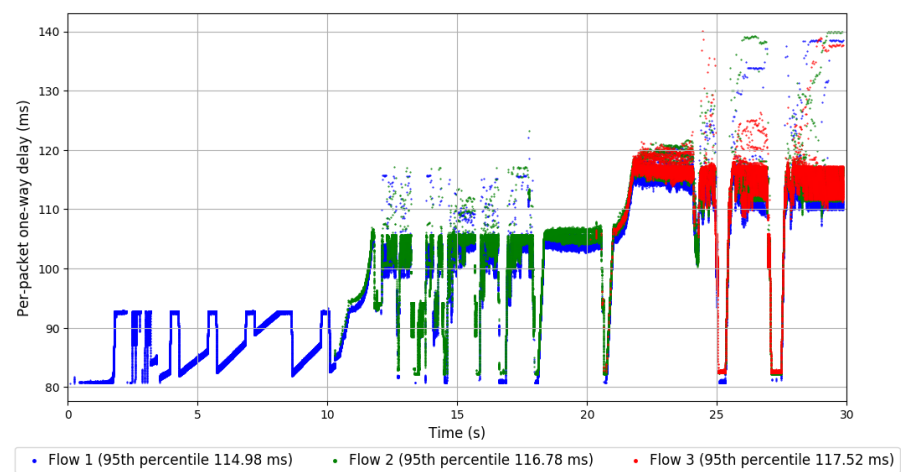
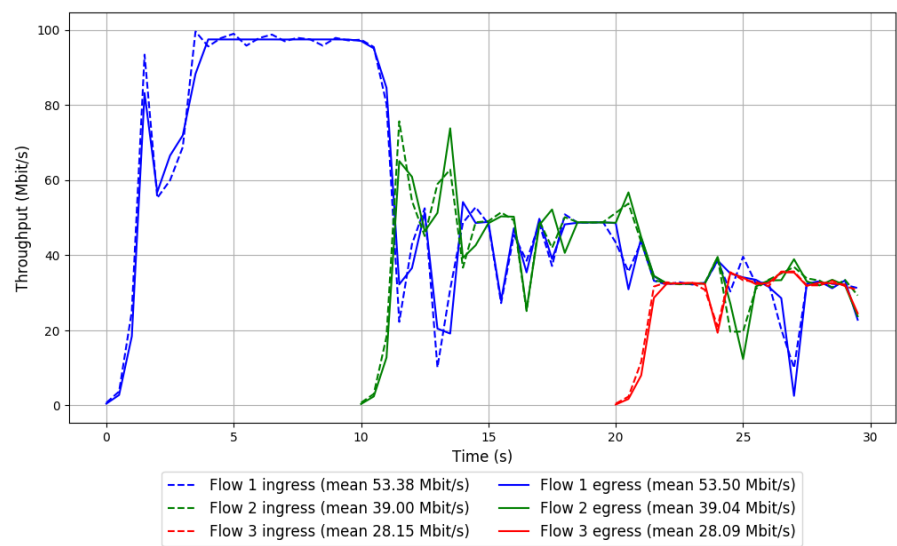


Run 5: Statistics of TCP BBR

Start at: 2018-01-31 23:19:00
End at: 2018-01-31 23:19:30
Local clock offset: 1.001 ms
Remote clock offset: -0.674 ms

Below is generated by plot.py at 2018-02-01 05:30:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 116.630 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 53.50 Mbit/s
95th percentile per-packet one-way delay: 114.984 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 116.785 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 117.516 ms
Loss rate: 2.40%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-31 23:43:24

End at: 2018-01-31 23:43:54

Local clock offset: 0.993 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-02-01 05:30:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.87 Mbit/s

95th percentile per-packet one-way delay: 116.531 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 114.255 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 37.56 Mbit/s

95th percentile per-packet one-way delay: 116.945 ms

Loss rate: 0.99%

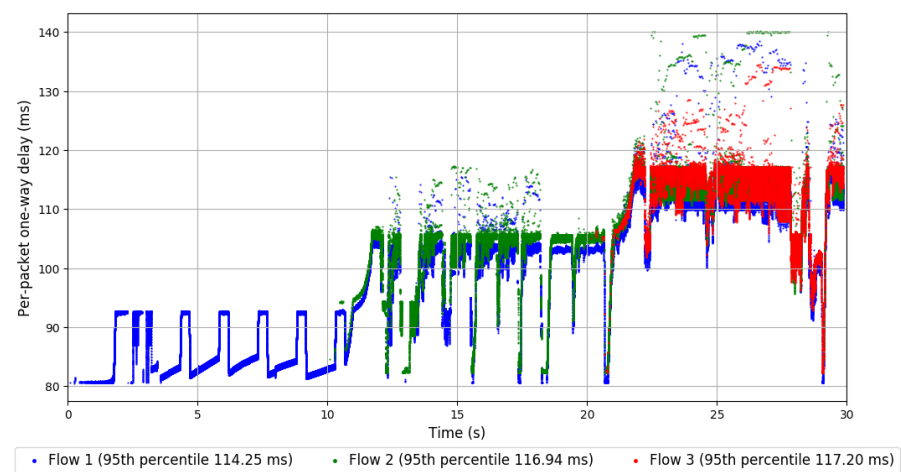
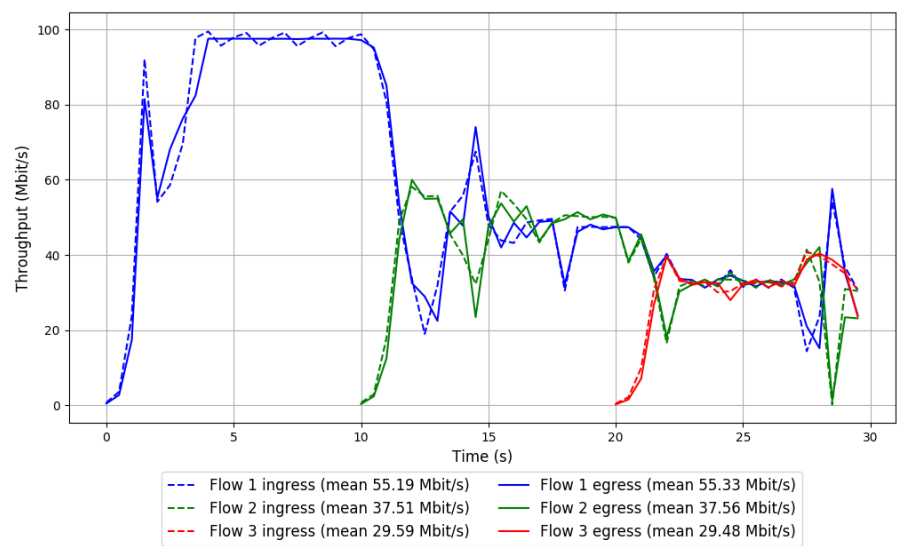
-- Flow 3:

Average throughput: 29.48 Mbit/s

95th percentile per-packet one-way delay: 117.201 ms

Loss rate: 2.45%

Run 6: Report of TCP BBR — Data Link

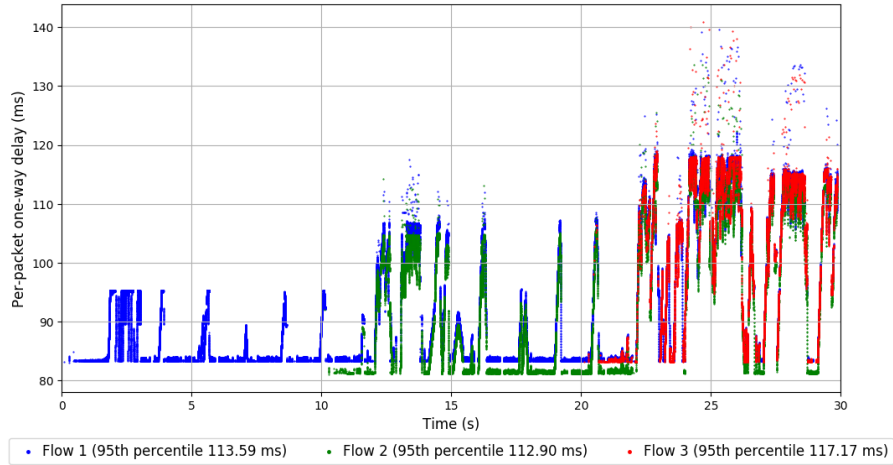
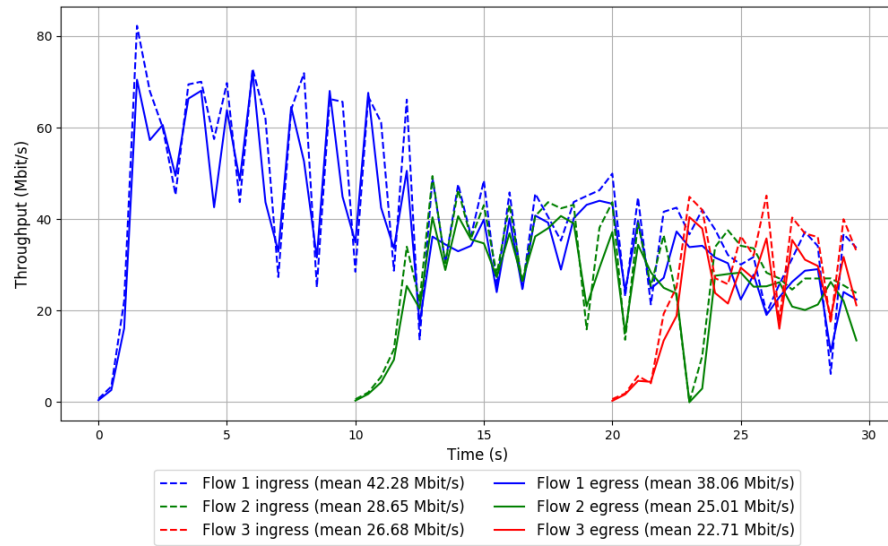


Run 7: Statistics of TCP BBR

Start at: 2018-02-01 00:07:26
End at: 2018-02-01 00:07:56
Local clock offset: 1.023 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-02-01 05:30:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.10 Mbit/s
95th percentile per-packet one-way delay: 114.584 ms
Loss rate: 12.14%
-- Flow 1:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 113.590 ms
Loss rate: 10.58%
-- Flow 2:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 112.904 ms
Loss rate: 13.52%
-- Flow 3:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 117.172 ms
Loss rate: 16.58%

Run 7: Report of TCP BBR — Data Link

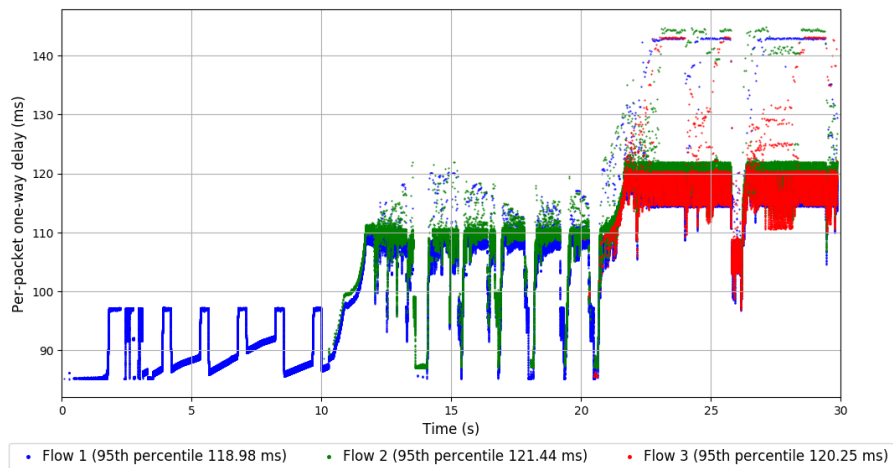
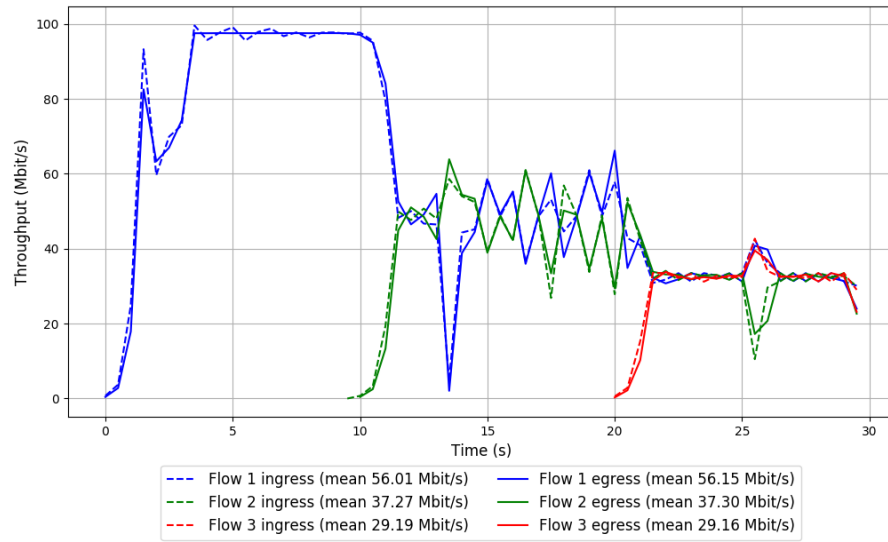


Run 8: Statistics of TCP BBR

Start at: 2018-02-01 00:31:20
End at: 2018-02-01 00:31:50
Local clock offset: 0.79 ms
Remote clock offset: -3.268 ms

Below is generated by plot.py at 2018-02-01 05:30:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 120.119 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 56.15 Mbit/s
95th percentile per-packet one-way delay: 118.978 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 121.441 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 120.249 ms
Loss rate: 2.31%

Run 8: Report of TCP BBR — Data Link

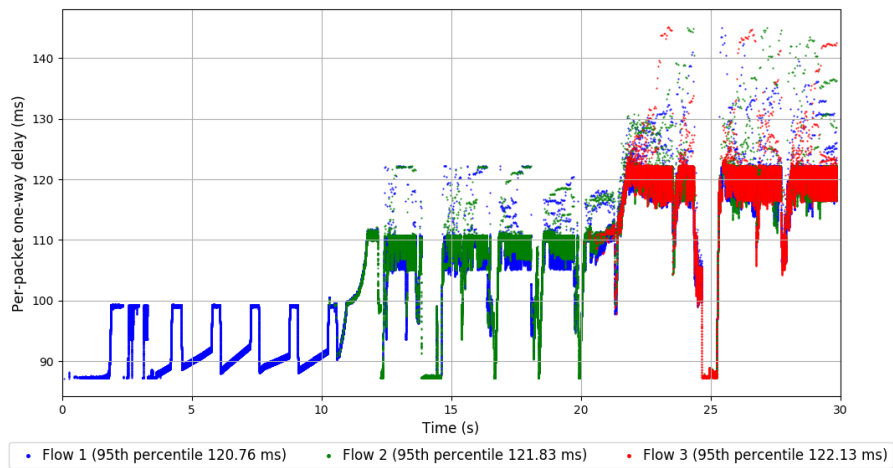
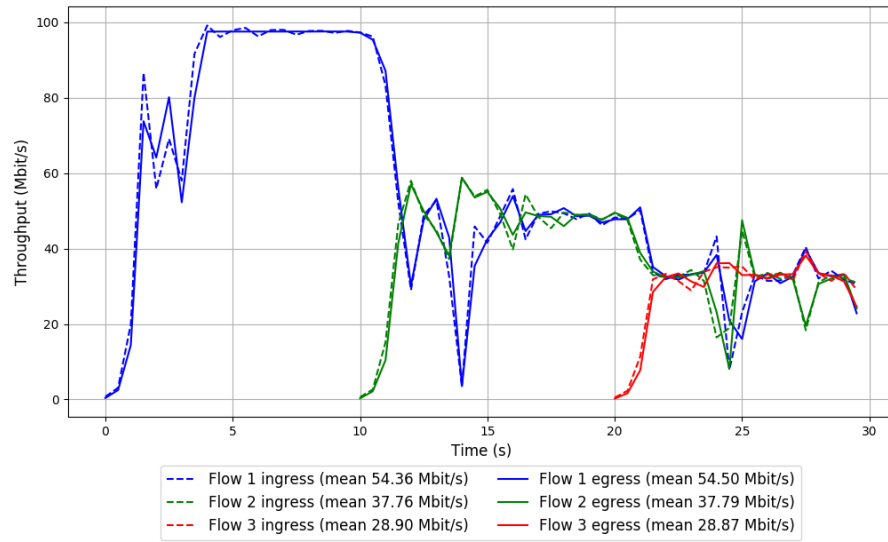


Run 9: Statistics of TCP BBR

Start at: 2018-02-01 00:55:20
End at: 2018-02-01 00:55:50
Local clock offset: 0.54 ms
Remote clock offset: -1.444 ms

Below is generated by plot.py at 2018-02-01 05:31:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 121.703 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 54.50 Mbit/s
95th percentile per-packet one-way delay: 120.764 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 121.835 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 122.126 ms
Loss rate: 2.34%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-01 01:19:20

End at: 2018-02-01 01:19:50

Local clock offset: 0.296 ms

Remote clock offset: 2.68 ms

Below is generated by plot.py at 2018-02-01 05:32:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.13 Mbit/s

95th percentile per-packet one-way delay: 114.529 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 115.755 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 37.53 Mbit/s

95th percentile per-packet one-way delay: 113.217 ms

Loss rate: 0.94%

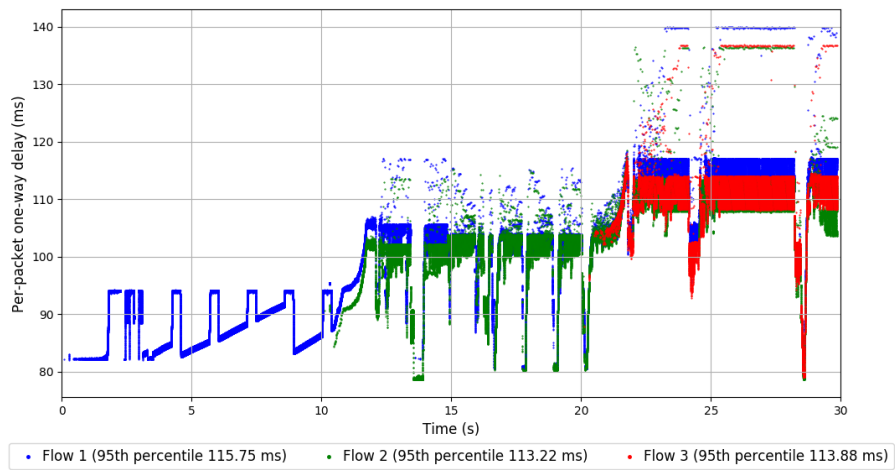
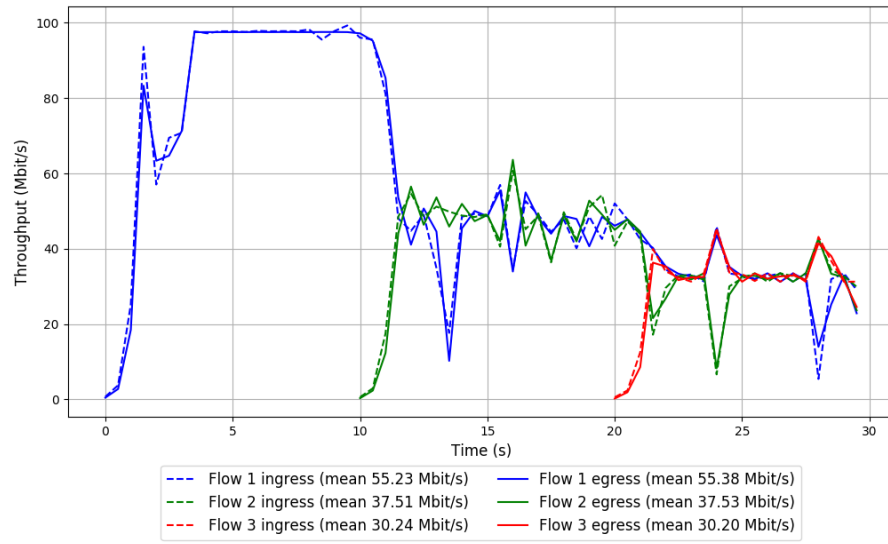
-- Flow 3:

Average throughput: 30.20 Mbit/s

95th percentile per-packet one-way delay: 113.879 ms

Loss rate: 2.23%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-31 21:32:46

End at: 2018-01-31 21:33:16

Local clock offset: 0.945 ms

Remote clock offset: 1.975 ms

Below is generated by plot.py at 2018-02-01 05:32:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.25 Mbit/s

95th percentile per-packet one-way delay: 117.519 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 51.36 Mbit/s

95th percentile per-packet one-way delay: 114.425 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 38.55 Mbit/s

95th percentile per-packet one-way delay: 117.565 ms

Loss rate: 1.45%

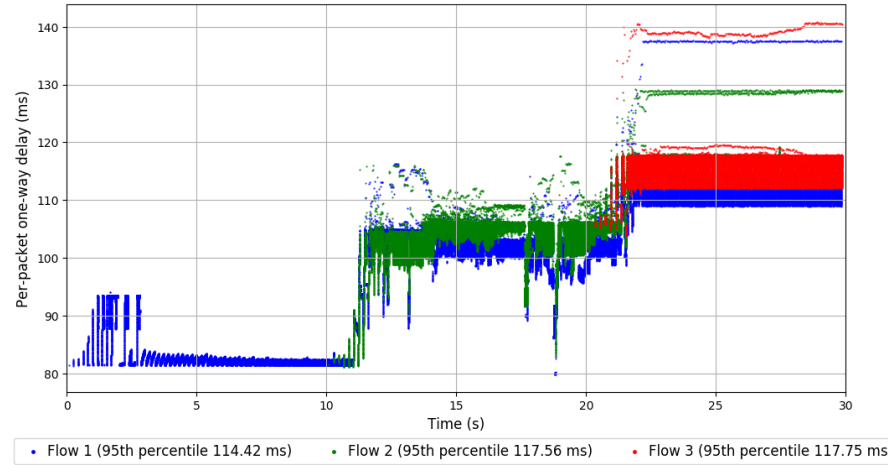
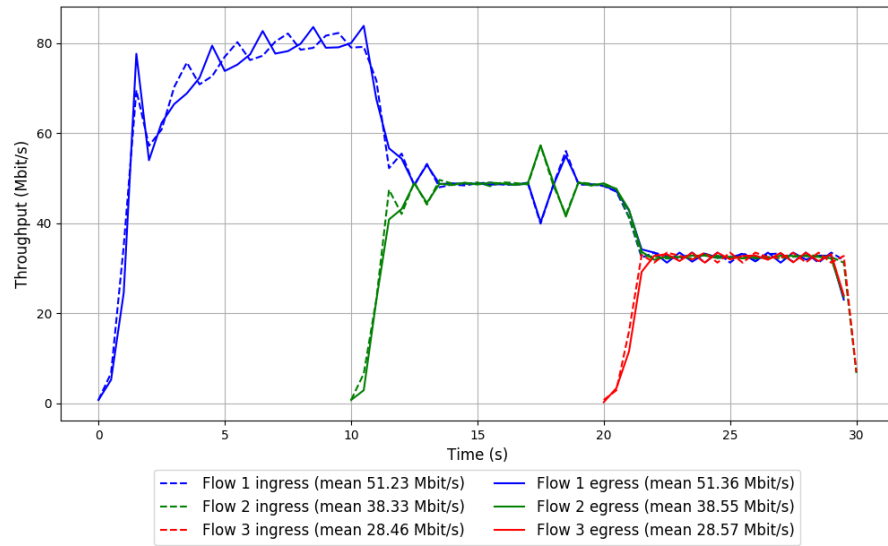
-- Flow 3:

Average throughput: 28.57 Mbit/s

95th percentile per-packet one-way delay: 117.746 ms

Loss rate: 3.88%

Run 1: Report of TCP Cubic — Data Link

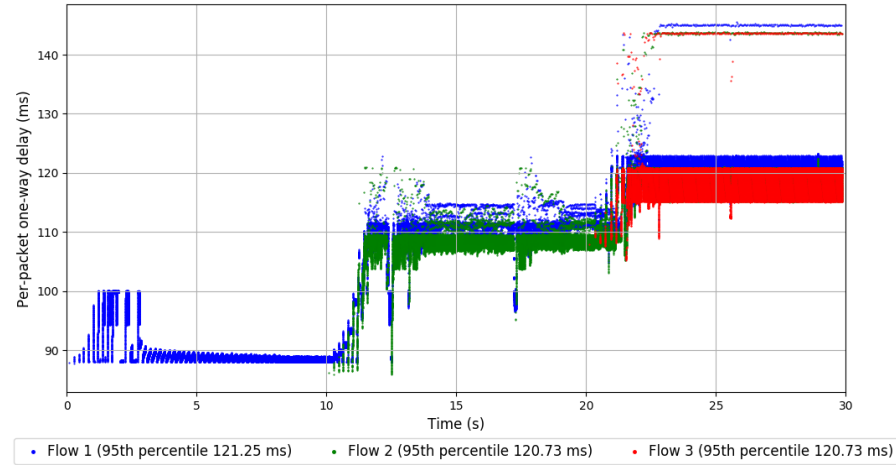
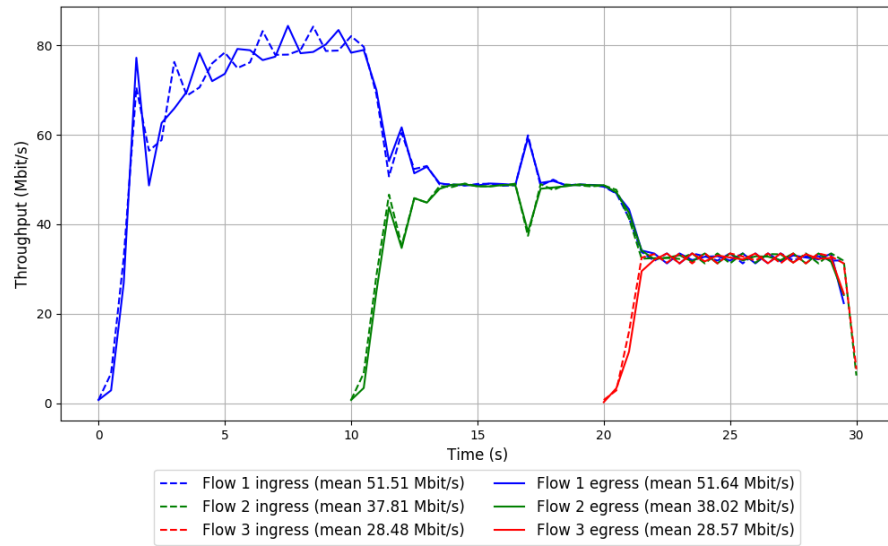


Run 2: Statistics of TCP Cubic

Start at: 2018-01-31 21:56:44
End at: 2018-01-31 21:57:14
Local clock offset: 1.166 ms
Remote clock offset: -3.286 ms

Below is generated by plot.py at 2018-02-01 05:32:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 120.780 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 121.255 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 120.733 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 120.730 ms
Loss rate: 3.91%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-01-31 22:20:43

End at: 2018-01-31 22:21:13

Local clock offset: 1.06 ms

Remote clock offset: 1.854 ms

Below is generated by plot.py at 2018-02-01 05:32:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.48 Mbit/s

95th percentile per-packet one-way delay: 91.157 ms

Loss rate: 1.81%

-- Flow 1:

Average throughput: 25.46 Mbit/s

95th percentile per-packet one-way delay: 91.048 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 30.16 Mbit/s

95th percentile per-packet one-way delay: 92.126 ms

Loss rate: 1.64%

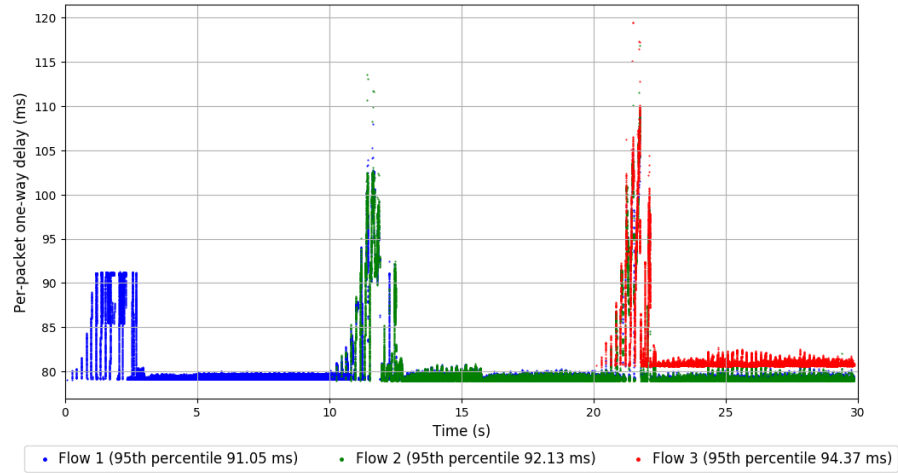
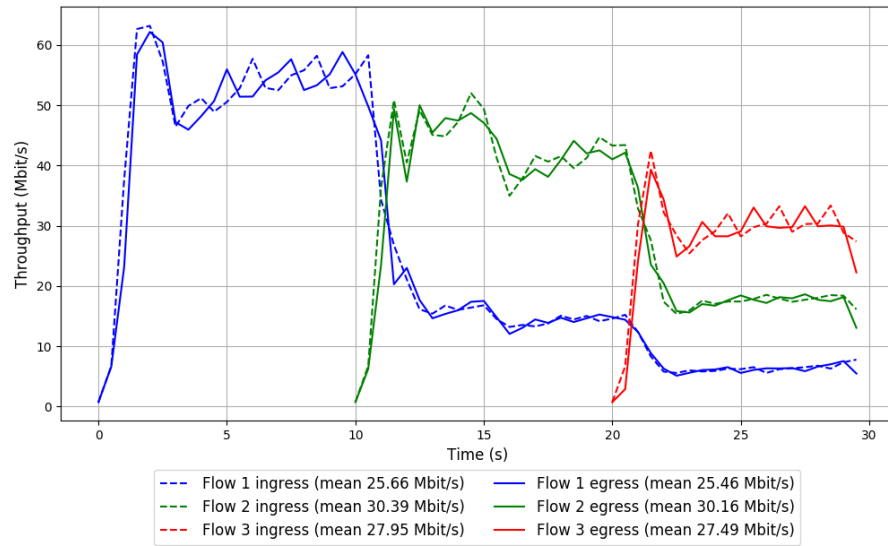
-- Flow 3:

Average throughput: 27.49 Mbit/s

95th percentile per-packet one-way delay: 94.369 ms

Loss rate: 3.41%

Run 3: Report of TCP Cubic — Data Link

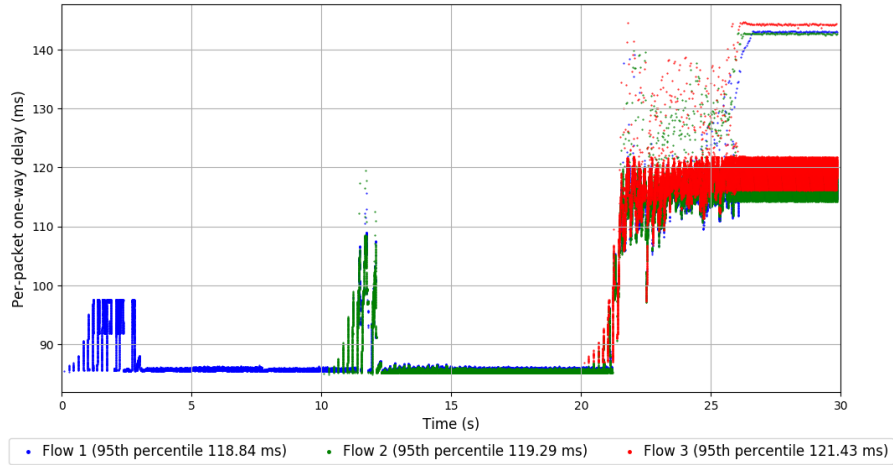
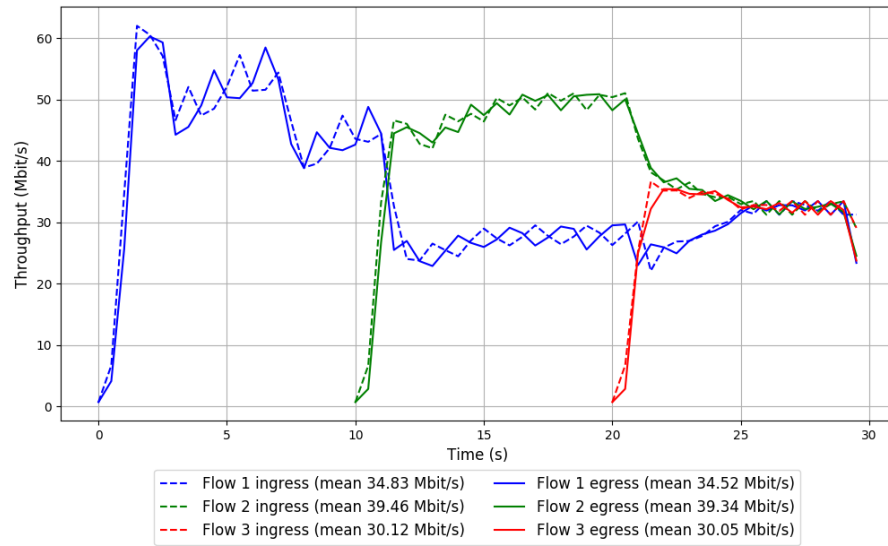


Run 4: Statistics of TCP Cubic

Start at: 2018-01-31 22:44:34
End at: 2018-01-31 22:45:04
Local clock offset: 1.066 ms
Remote clock offset: -4.087 ms

Below is generated by plot.py at 2018-02-01 05:32:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.47 Mbit/s
95th percentile per-packet one-way delay: 119.864 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 118.839 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 119.290 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 121.434 ms
Loss rate: 2.26%

Run 4: Report of TCP Cubic — Data Link

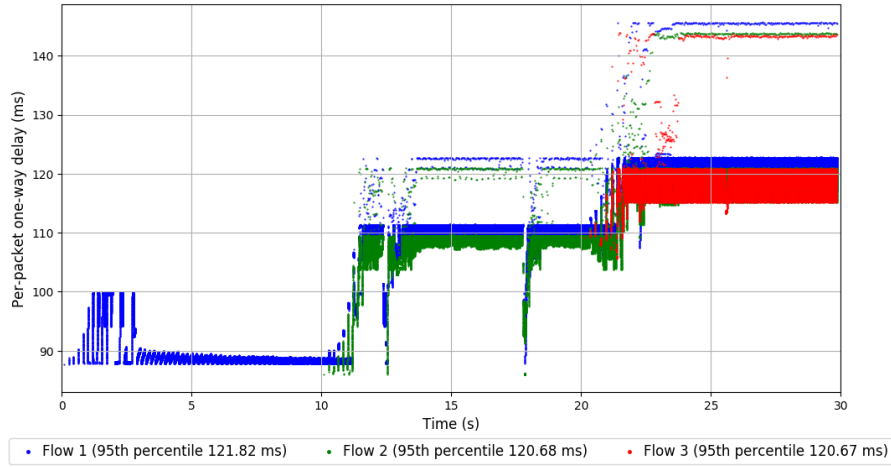
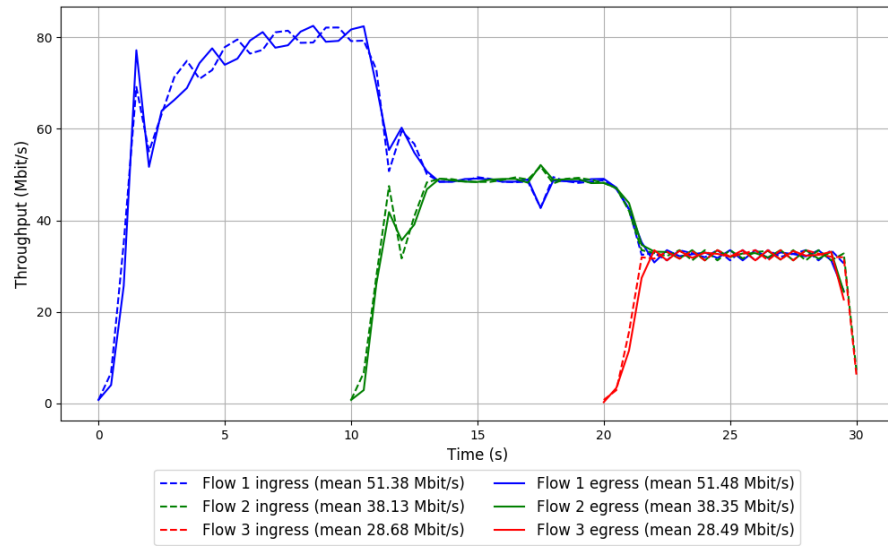


Run 5: Statistics of TCP Cubic

Start at: 2018-01-31 23:08:23
End at: 2018-01-31 23:08:54
Local clock offset: 1.053 ms
Remote clock offset: -6.278 ms

Below is generated by plot.py at 2018-02-01 05:32:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 120.983 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 51.48 Mbit/s
95th percentile per-packet one-way delay: 121.820 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 120.680 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 120.669 ms
Loss rate: 3.92%

Run 5: Report of TCP Cubic — Data Link

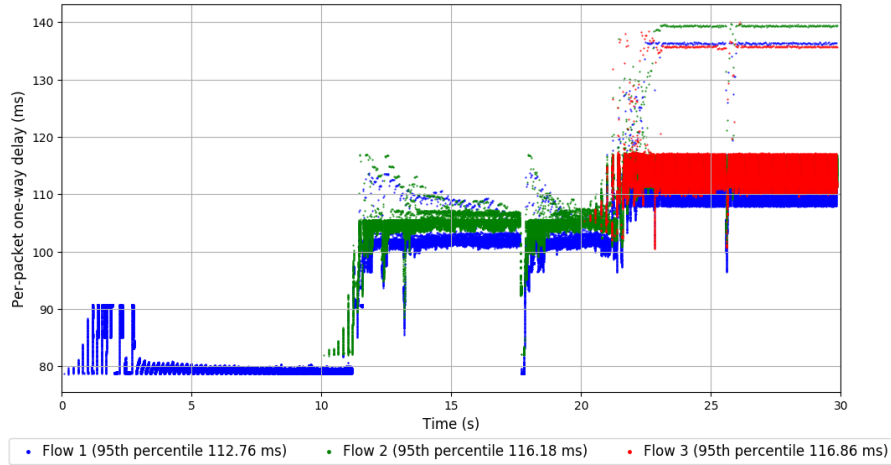
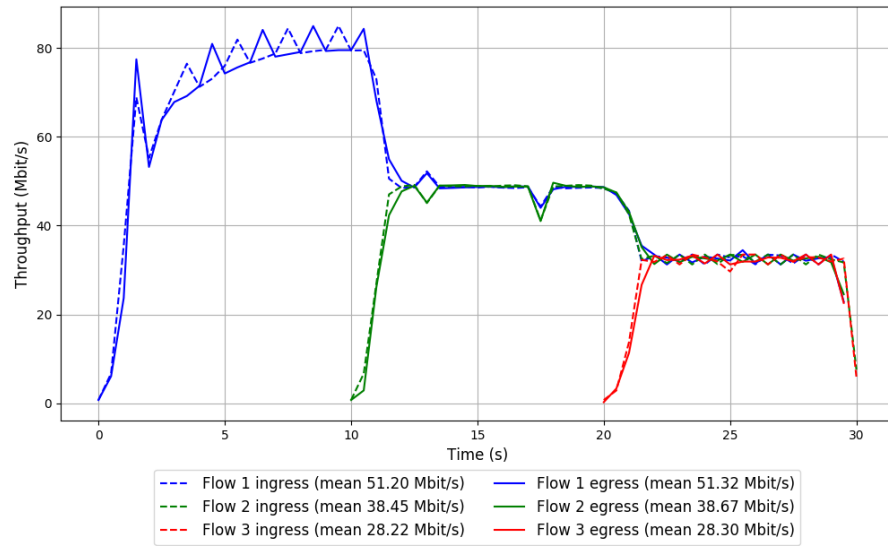


Run 6: Statistics of TCP Cubic

Start at: 2018-01-31 23:32:42
End at: 2018-01-31 23:33:12
Local clock offset: 1.008 ms
Remote clock offset: -0.619 ms

Below is generated by plot.py at 2018-02-01 05:32:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 115.536 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: 112.759 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 116.176 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 116.865 ms
Loss rate: 3.94%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-31 23:56:41

End at: 2018-01-31 23:57:11

Local clock offset: 1.031 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2018-02-01 05:33:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.36 Mbit/s

95th percentile per-packet one-way delay: 115.654 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 114.552 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 38.64 Mbit/s

95th percentile per-packet one-way delay: 115.490 ms

Loss rate: 1.44%

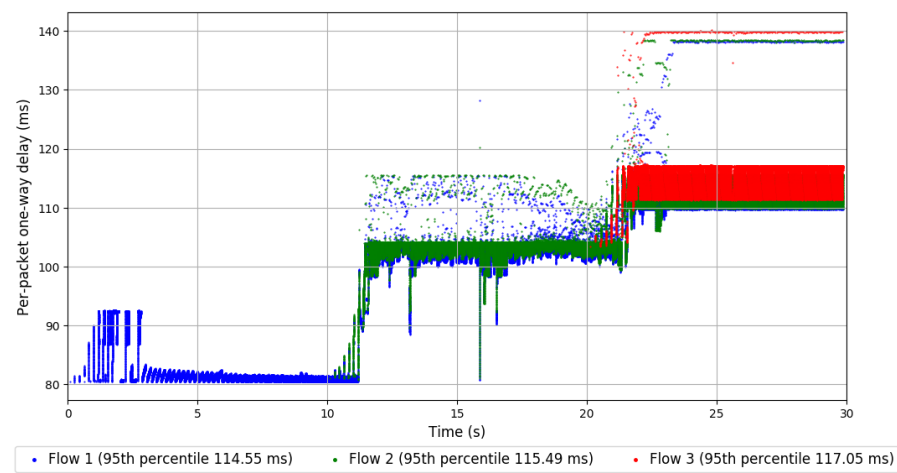
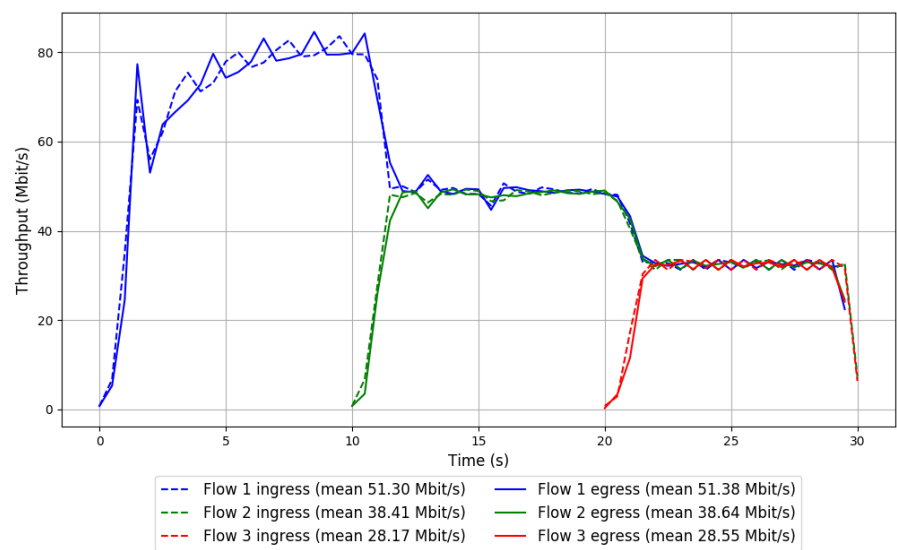
-- Flow 3:

Average throughput: 28.55 Mbit/s

95th percentile per-packet one-way delay: 117.051 ms

Loss rate: 3.89%

Run 7: Report of TCP Cubic — Data Link

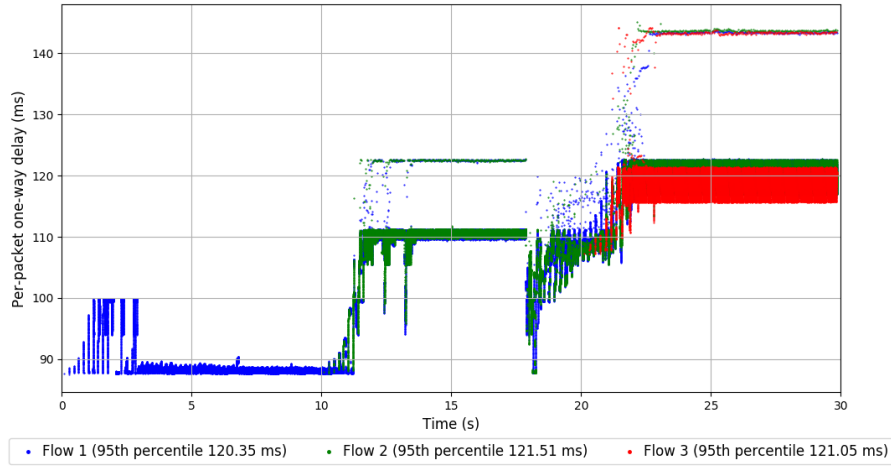
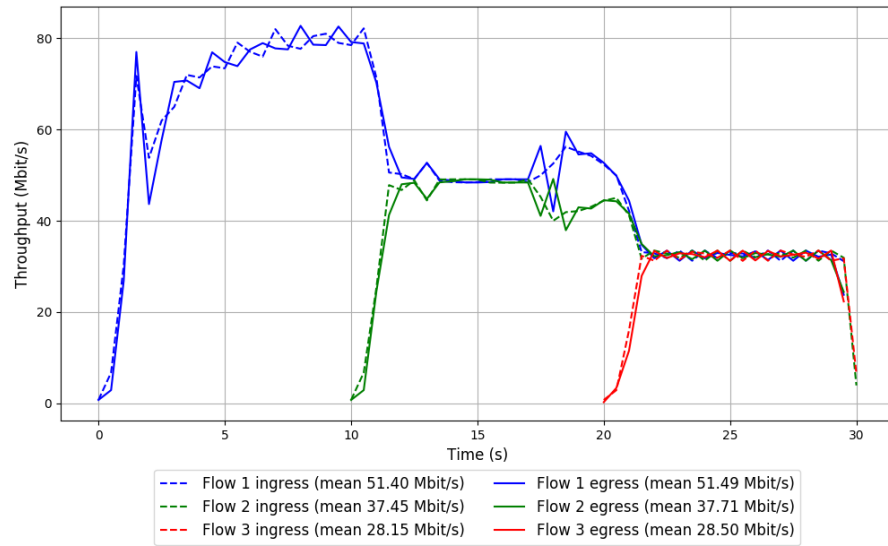


Run 8: Statistics of TCP Cubic

Start at: 2018-02-01 00:20:41
End at: 2018-02-01 00:21:11
Local clock offset: 0.804 ms
Remote clock offset: -4.696 ms

Below is generated by plot.py at 2018-02-01 05:33:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 120.957 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 51.49 Mbit/s
95th percentile per-packet one-way delay: 120.354 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 121.507 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 121.051 ms
Loss rate: 3.93%

Run 8: Report of TCP Cubic — Data Link

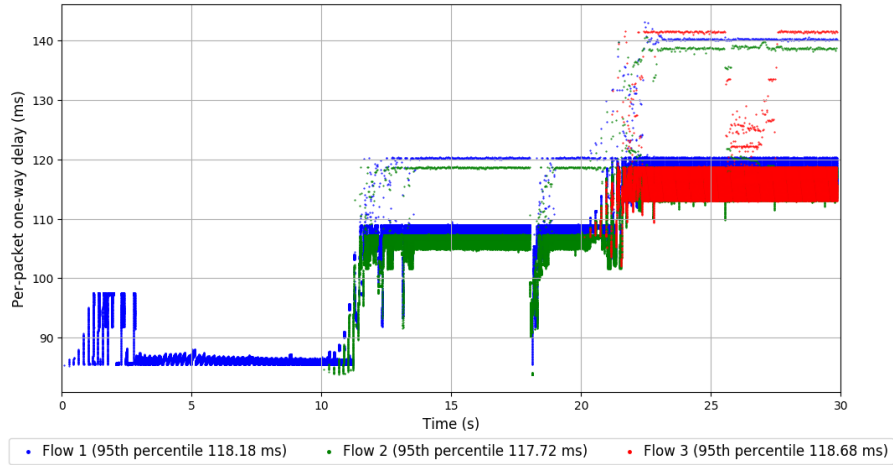
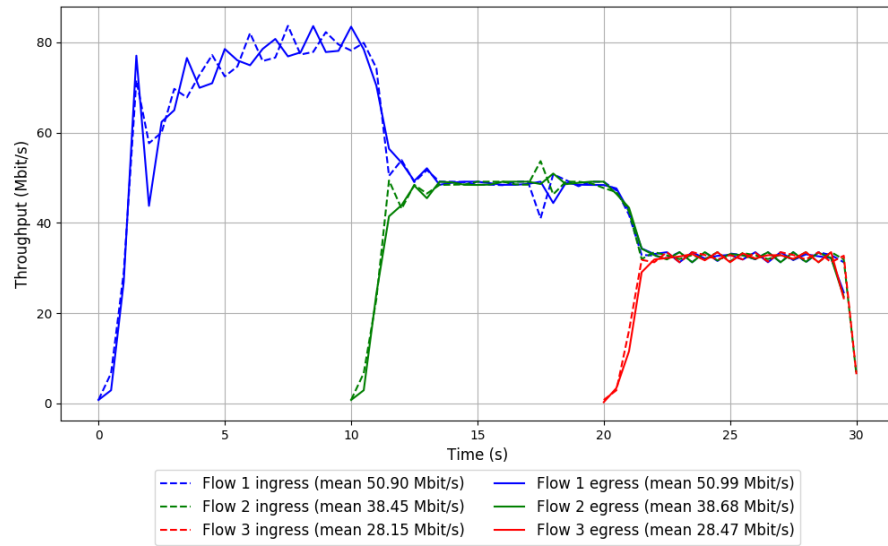


Run 9: Statistics of TCP Cubic

Start at: 2018-02-01 00:44:41
End at: 2018-02-01 00:45:11
Local clock offset: 0.605 ms
Remote clock offset: -2.172 ms

Below is generated by plot.py at 2018-02-01 05:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 118.393 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 50.99 Mbit/s
95th percentile per-packet one-way delay: 118.176 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 117.722 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 28.47 Mbit/s
95th percentile per-packet one-way delay: 118.677 ms
Loss rate: 3.91%

Run 9: Report of TCP Cubic — Data Link

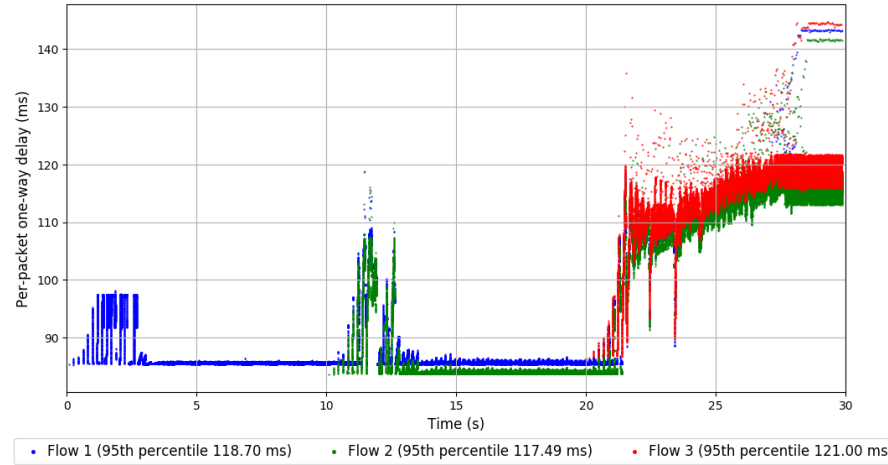
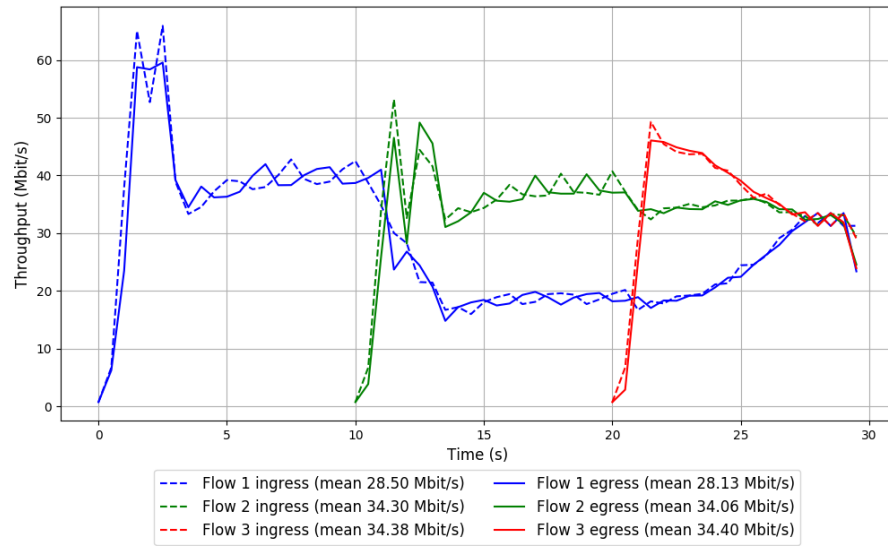


Run 10: Statistics of TCP Cubic

Start at: 2018-02-01 01:08:36
End at: 2018-02-01 01:09:06
Local clock offset: 0.417 ms
Remote clock offset: -1.754 ms

Below is generated by plot.py at 2018-02-01 05:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 119.199 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 118.697 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 117.487 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 34.40 Mbit/s
95th percentile per-packet one-way delay: 120.999 ms
Loss rate: 1.97%

Run 10: Report of TCP Cubic — Data Link

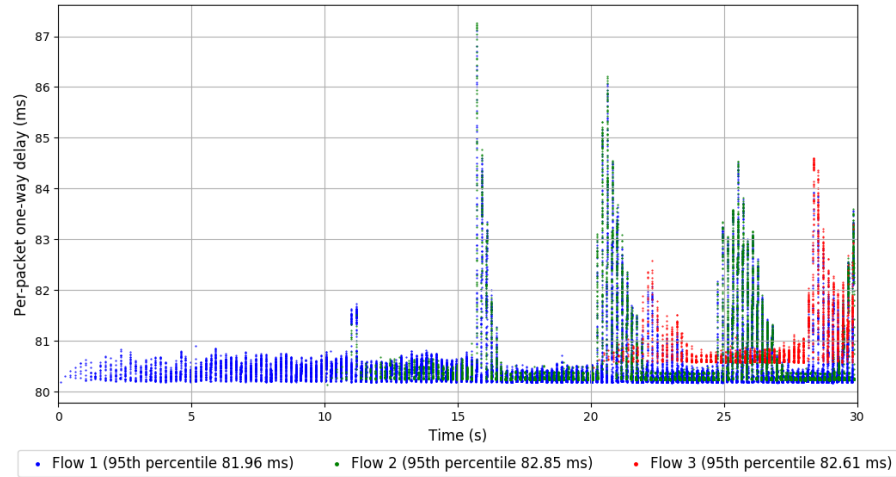
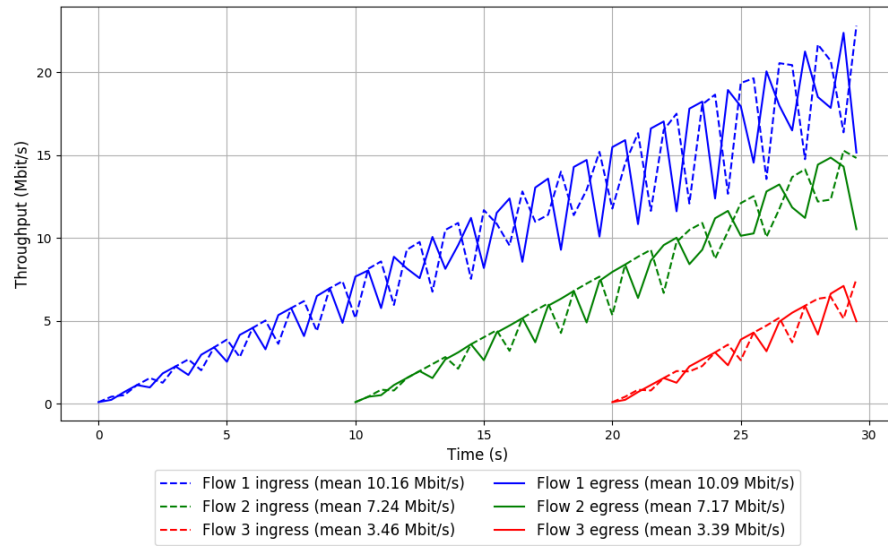


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-31 21:39:30
End at: 2018-01-31 21:40:00
Local clock offset: 1.058 ms
Remote clock offset: 2.723 ms

# Below is generated by plot.py at 2018-02-01 05:33:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 82.381 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 81.959 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 82.846 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 82.609 ms
Loss rate: 3.74%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-01-31 22:03:35

End at: 2018-01-31 22:04:05

Local clock offset: 1.123 ms

Remote clock offset: -3.49 ms

Below is generated by plot.py at 2018-02-01 05:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 88.155 ms

Loss rate: 1.59%

-- Flow 1:

Average throughput: 10.23 Mbit/s

95th percentile per-packet one-way delay: 87.889 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 88.837 ms

Loss rate: 1.82%

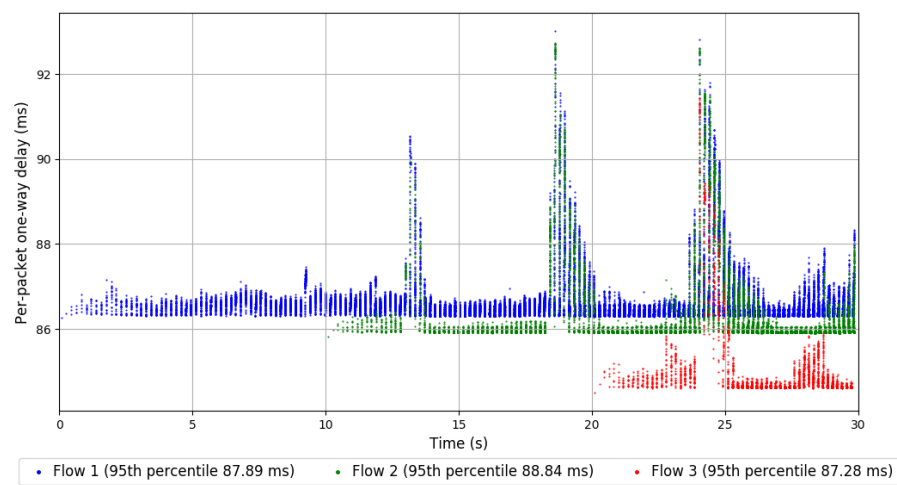
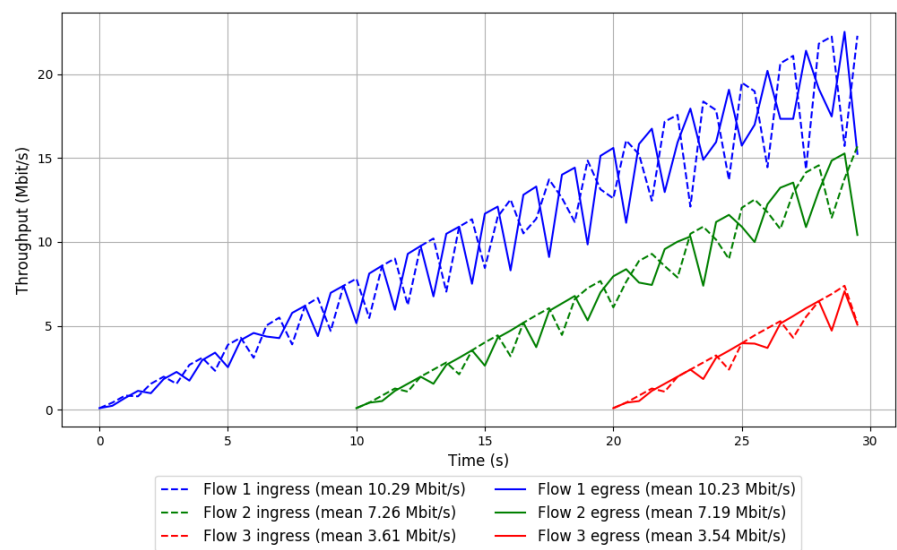
-- Flow 3:

Average throughput: 3.54 Mbit/s

95th percentile per-packet one-way delay: 87.282 ms

Loss rate: 3.68%

Run 2: Report of LEDBAT — Data Link

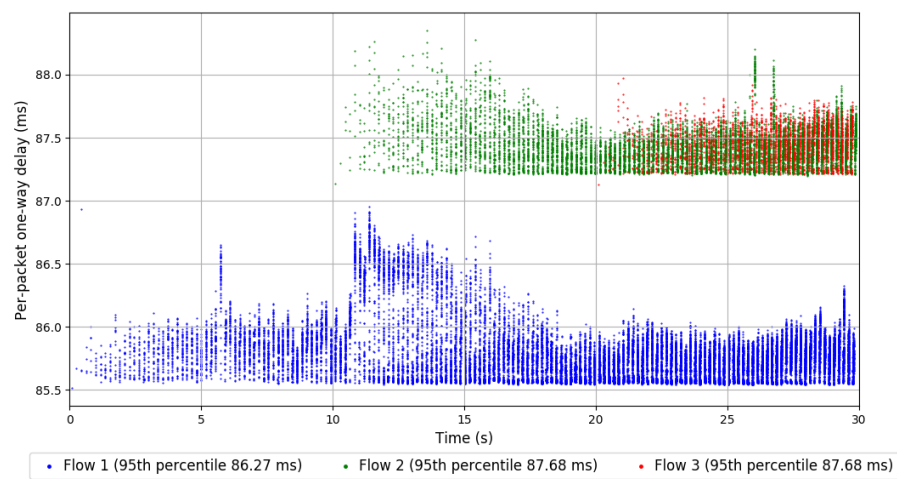
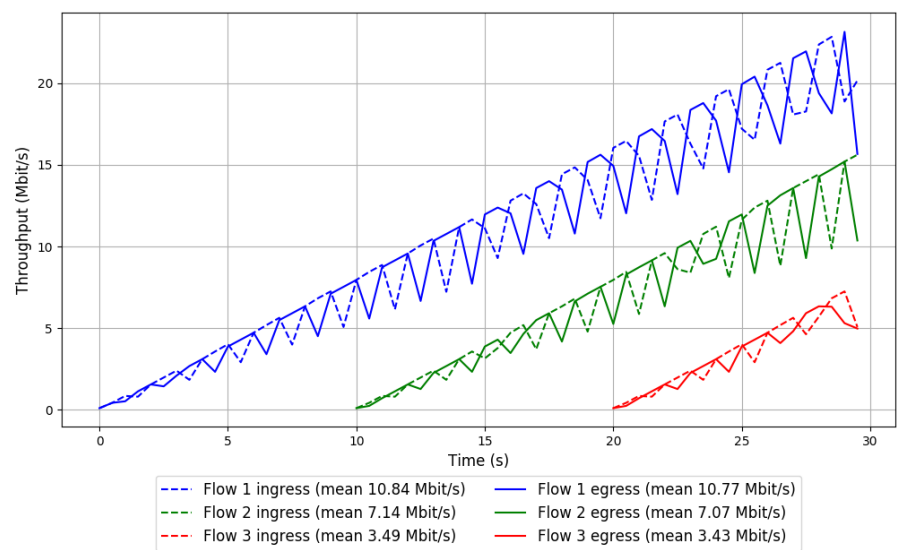


Run 3: Statistics of LEDBAT

Start at: 2018-01-31 22:27:27
End at: 2018-01-31 22:27:57
Local clock offset: 1.087 ms
Remote clock offset: -3.155 ms

Below is generated by plot.py at 2018-02-01 05:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 87.571 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 86.265 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 87.678 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 87.678 ms
Loss rate: 3.73%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-01-31 22:51:18

End at: 2018-01-31 22:51:48

Local clock offset: 1.031 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-02-01 05:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.60 Mbit/s

95th percentile per-packet one-way delay: 83.173 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 82.305 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 83.458 ms

Loss rate: 1.86%

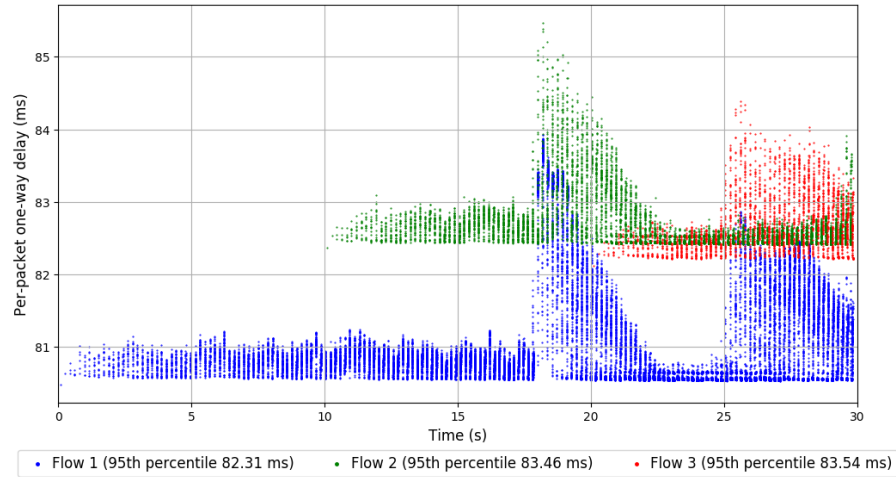
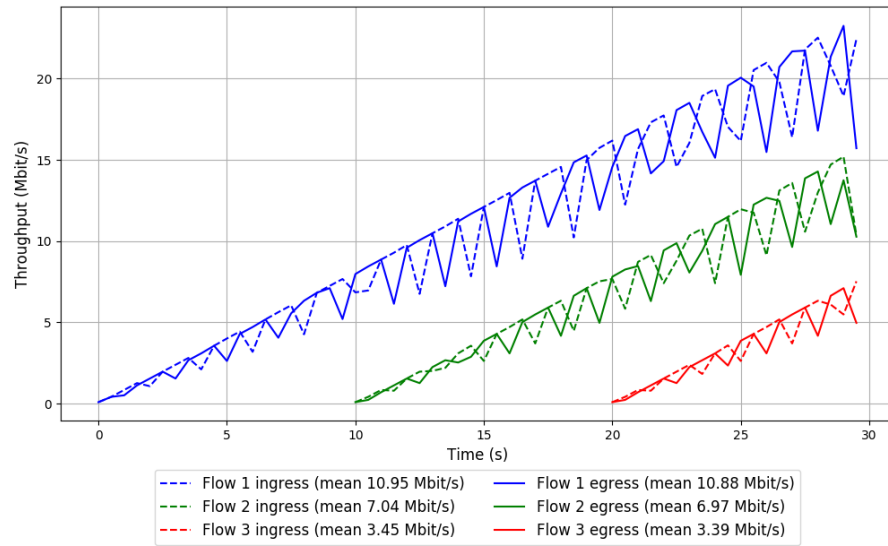
-- Flow 3:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 83.543 ms

Loss rate: 3.73%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-31 23:15:07

End at: 2018-01-31 23:15:37

Local clock offset: 1.037 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2018-02-01 05:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.43 Mbit/s

95th percentile per-packet one-way delay: 82.415 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 10.66 Mbit/s

95th percentile per-packet one-way delay: 82.586 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 81.845 ms

Loss rate: 1.83%

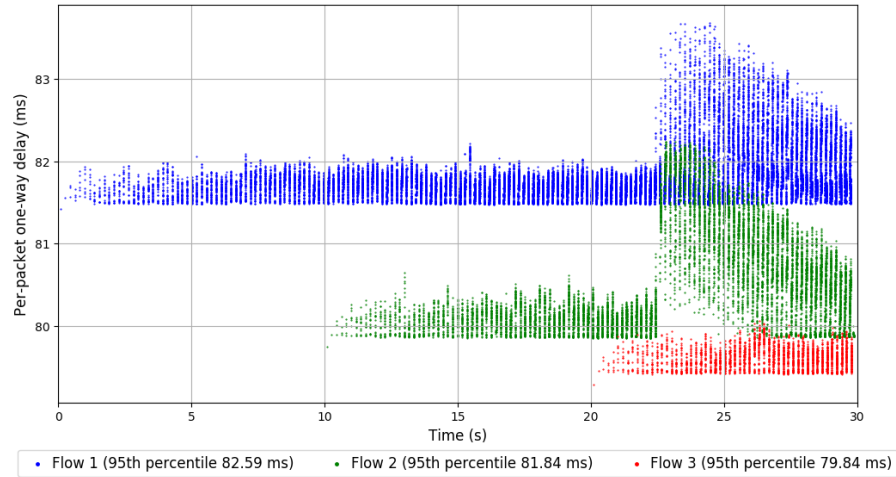
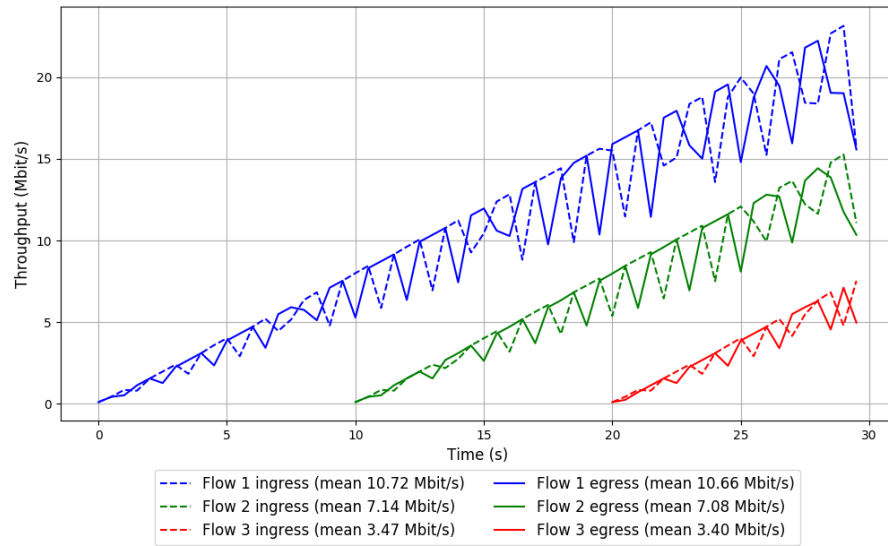
-- Flow 3:

Average throughput: 3.40 Mbit/s

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

Loss rate: 3.73%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-31 23:39:30

End at: 2018-01-31 23:40:00

Local clock offset: 0.995 ms

Remote clock offset: 0.47 ms

Below is generated by plot.py at 2018-02-01 05:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.99 Mbit/s

95th percentile per-packet one-way delay: 81.665 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 80.621 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 81.105 ms

Loss rate: 1.82%

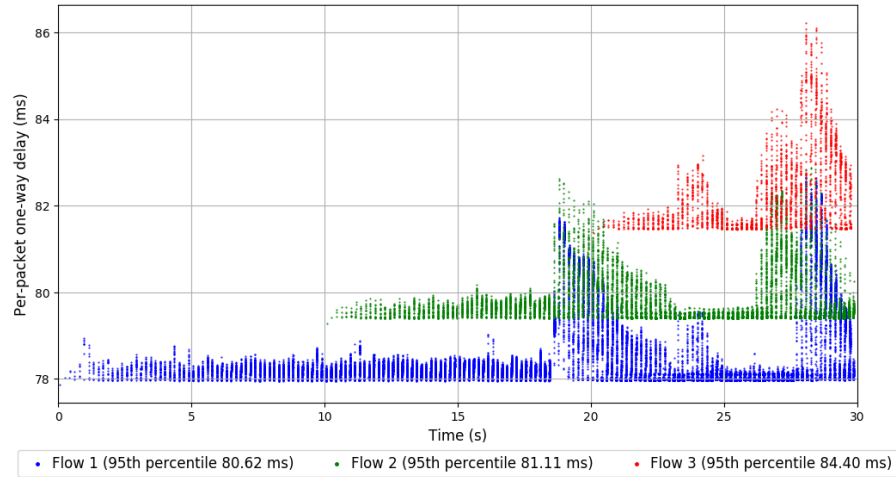
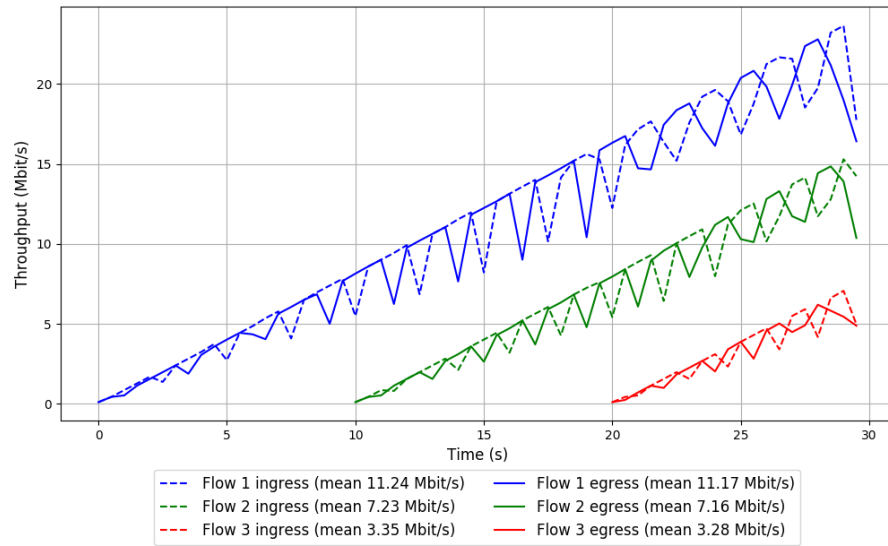
-- Flow 3:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 84.400 ms

Loss rate: 3.81%

Run 6: Report of LEDBAT — Data Link

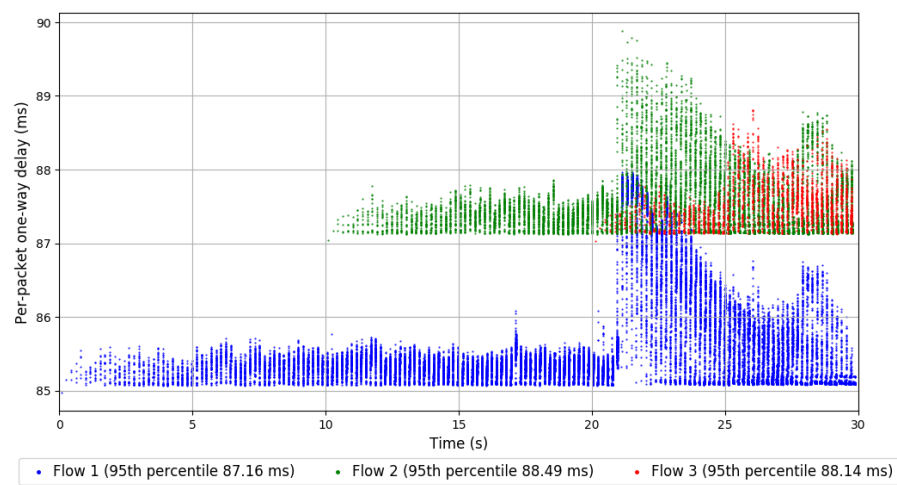
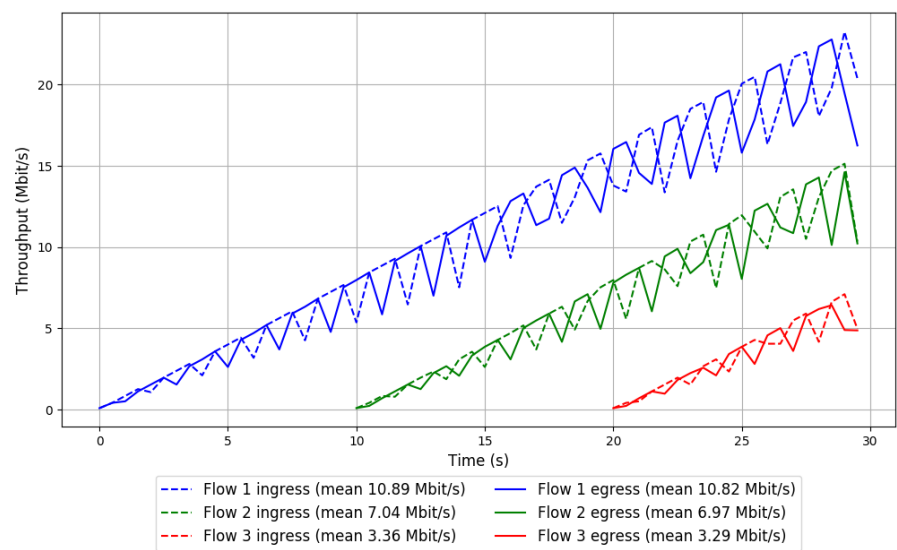


Run 7: Statistics of LEDBAT

Start at: 2018-02-01 00:03:23
End at: 2018-02-01 00:03:53
Local clock offset: 1.016 ms
Remote clock offset: -4.352 ms

Below is generated by plot.py at 2018-02-01 05:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 87.950 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 87.164 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 88.487 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 88.143 ms
Loss rate: 3.81%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-02-01 00:27:26

End at: 2018-02-01 00:27:56

Local clock offset: 0.744 ms

Remote clock offset: 2.189 ms

Below is generated by plot.py at 2018-02-01 05:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.37 Mbit/s

95th percentile per-packet one-way delay: 82.313 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 10.62 Mbit/s

95th percentile per-packet one-way delay: 82.272 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 82.009 ms

Loss rate: 1.84%

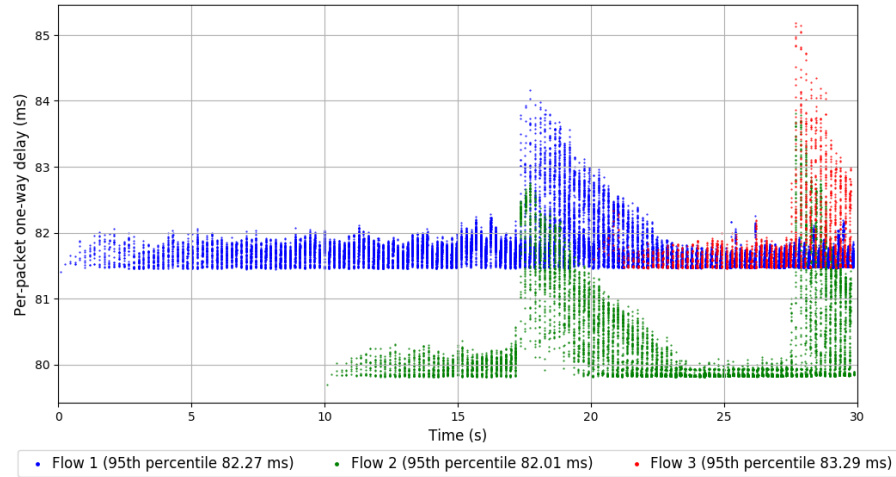
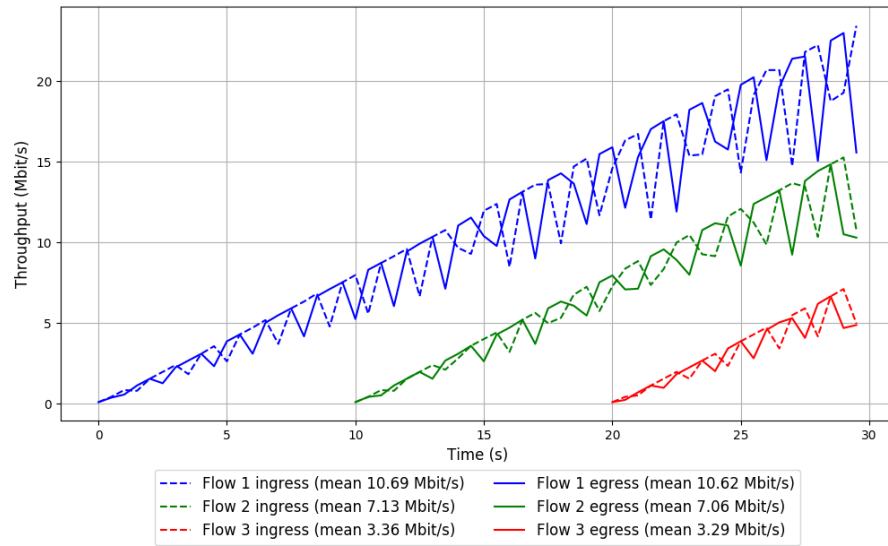
-- Flow 3:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 83.288 ms

Loss rate: 3.81%

Run 8: Report of LEDBAT — Data Link

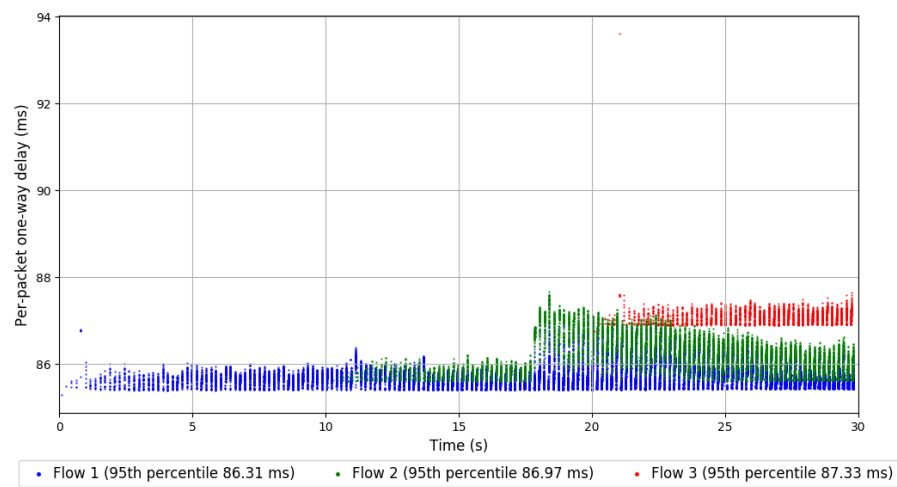
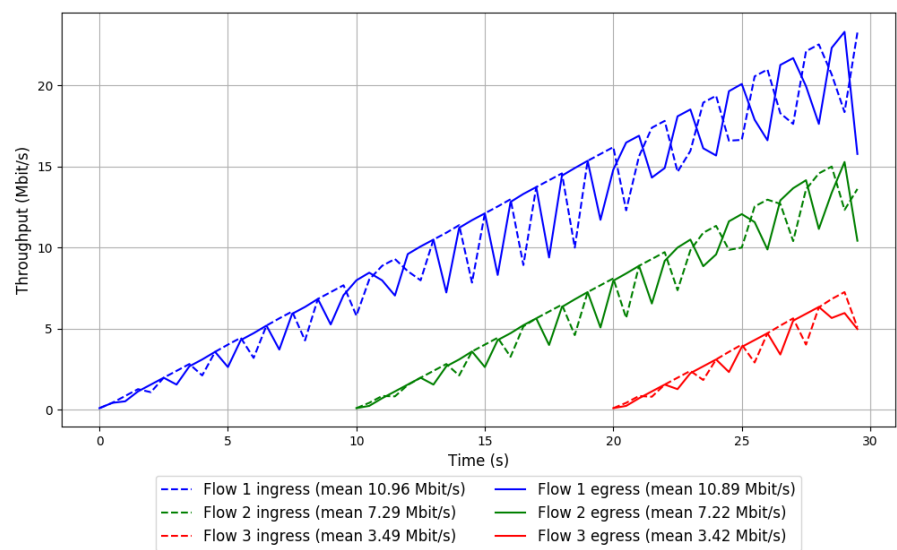


Run 9: Statistics of LEDBAT

Start at: 2018-02-01 00:51:28
End at: 2018-02-01 00:51:58
Local clock offset: 0.572 ms
Remote clock offset: -1.721 ms

Below is generated by plot.py at 2018-02-01 05:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.78 Mbit/s
95th percentile per-packet one-way delay: 87.043 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 86.309 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 86.966 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 87.329 ms
Loss rate: 3.73%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-01 01:15:18

End at: 2018-02-01 01:15:48

Local clock offset: 0.337 ms

Remote clock offset: 3.613 ms

Below is generated by plot.py at 2018-02-01 05:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.07 Mbit/s

95th percentile per-packet one-way delay: 83.119 ms

Loss rate: 1.59%

-- Flow 1:

Average throughput: 10.62 Mbit/s

95th percentile per-packet one-way delay: 82.142 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 83.488 ms

Loss rate: 1.91%

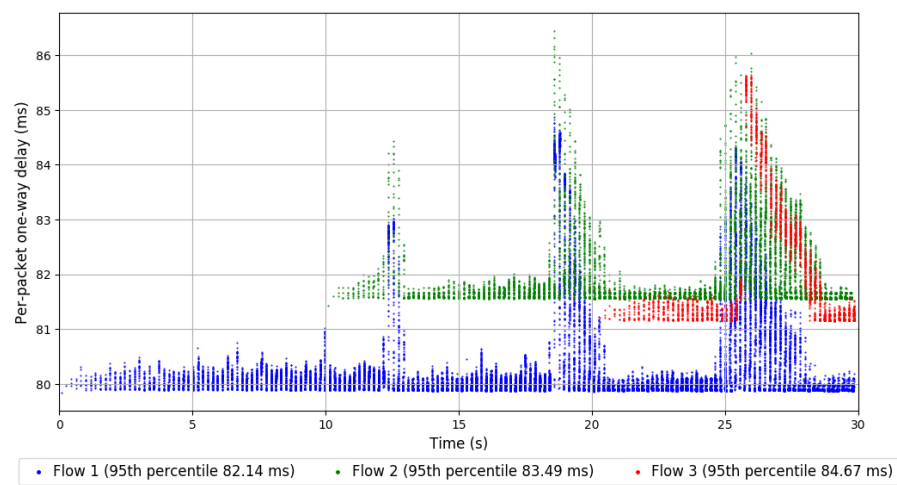
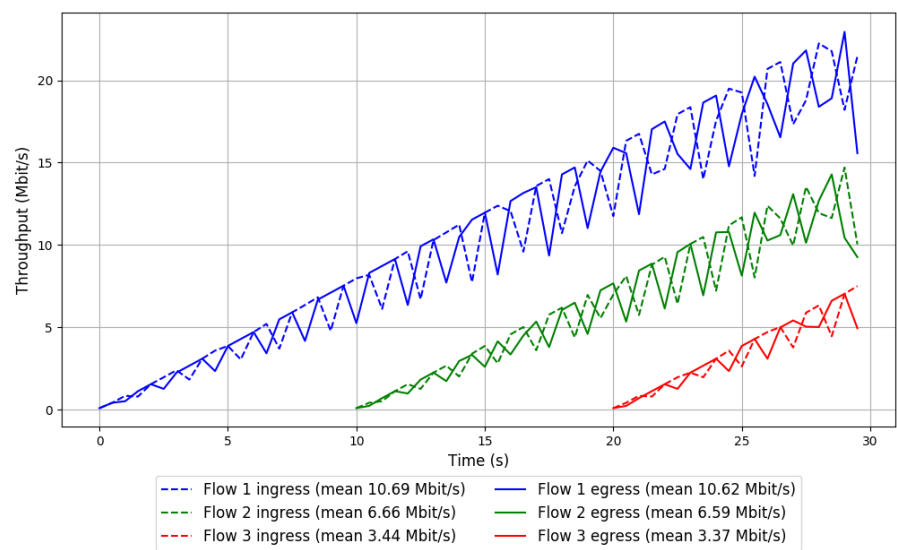
-- Flow 3:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 84.673 ms

Loss rate: 3.75%

Run 10: Report of LEDBAT — Data Link

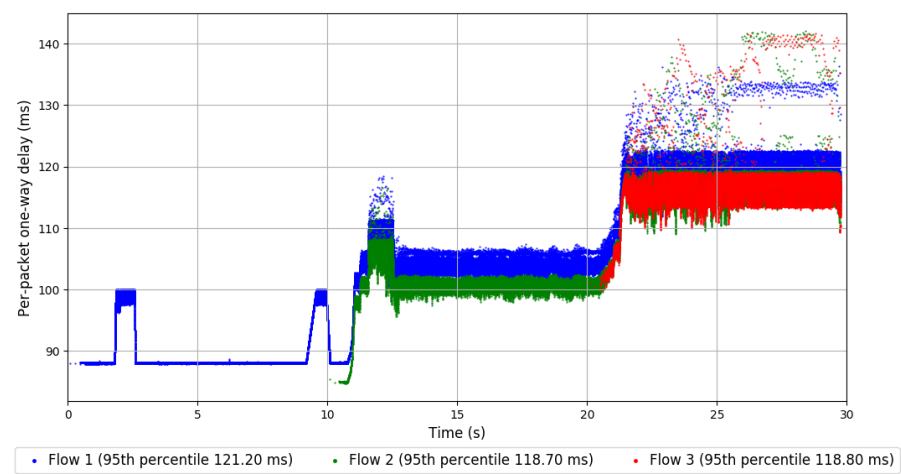
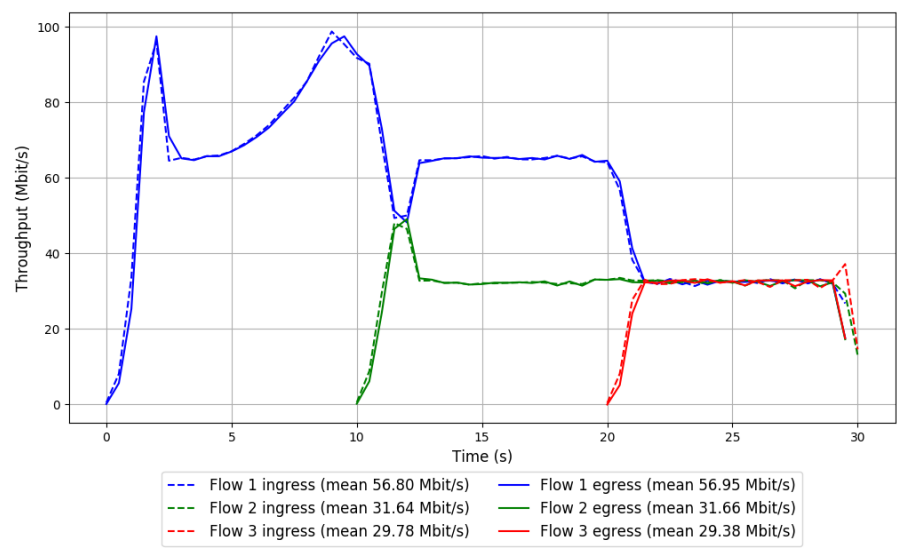


```
Run 1: Statistics of PCC

Start at: 2018-01-31 21:50:01
End at: 2018-01-31 21:50:31
Local clock offset: 1.148 ms
Remote clock offset: -3.179 ms

# Below is generated by plot.py at 2018-02-01 05:33:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 120.706 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 121.205 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 118.698 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 118.798 ms
Loss rate: 6.72%
```

Run 1: Report of PCC — Data Link

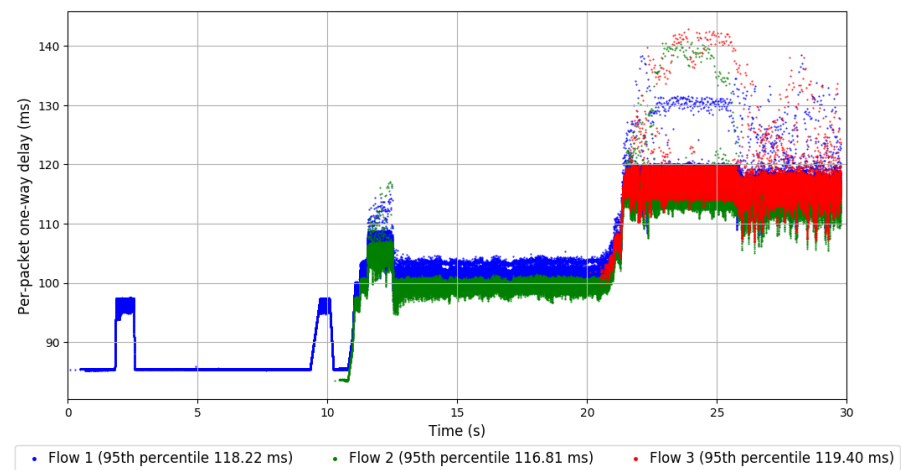
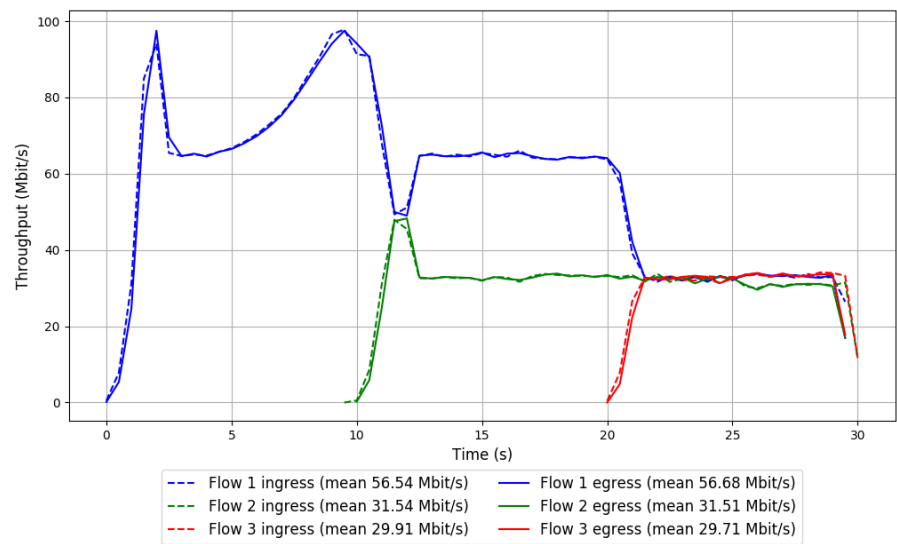


Run 2: Statistics of PCC

Start at: 2018-01-31 22:14:09
End at: 2018-01-31 22:14:39
Local clock offset: 1.097 ms
Remote clock offset: -2.839 ms

Below is generated by plot.py at 2018-02-01 05:34:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 118.293 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 118.225 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 116.815 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 29.71 Mbit/s
95th percentile per-packet one-way delay: 119.399 ms
Loss rate: 5.85%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-01-31 22:38:01

End at: 2018-01-31 22:38:31

Local clock offset: 1.108 ms

Remote clock offset: 0.488 ms

Below is generated by plot.py at 2018-02-01 05:34:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.11 Mbit/s

95th percentile per-packet one-way delay: 115.343 ms

Loss rate: 4.80%

-- Flow 1:

Average throughput: 55.45 Mbit/s

95th percentile per-packet one-way delay: 114.261 ms

Loss rate: 3.91%

-- Flow 2:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 115.071 ms

Loss rate: 7.85%

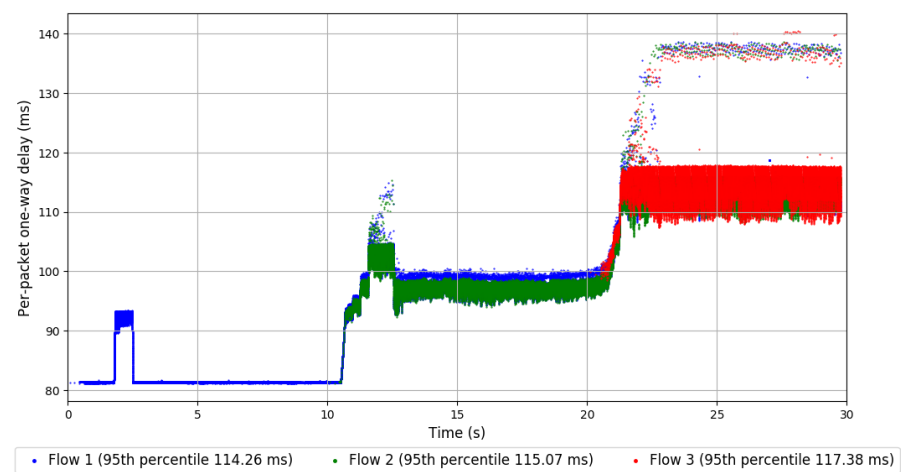
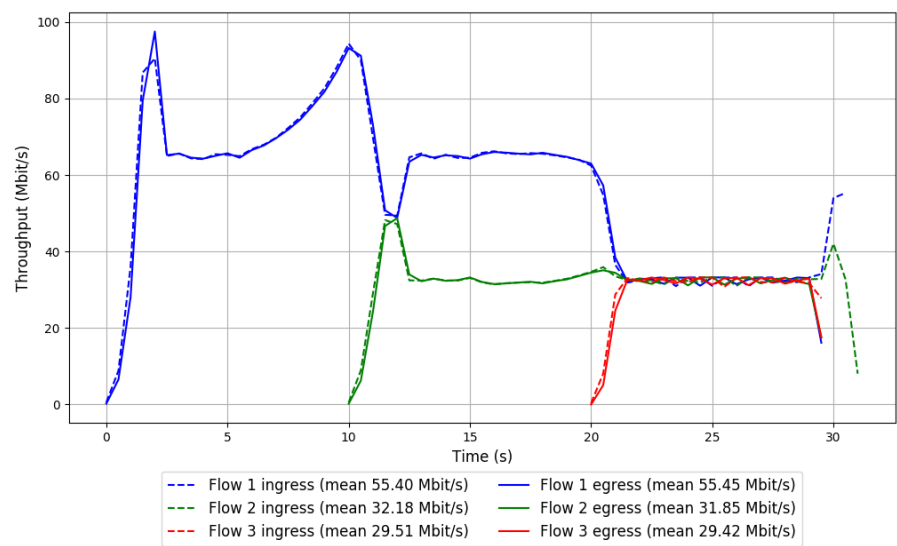
-- Flow 3:

Average throughput: 29.42 Mbit/s

95th percentile per-packet one-way delay: 117.382 ms

Loss rate: 2.88%

Run 3: Report of PCC — Data Link

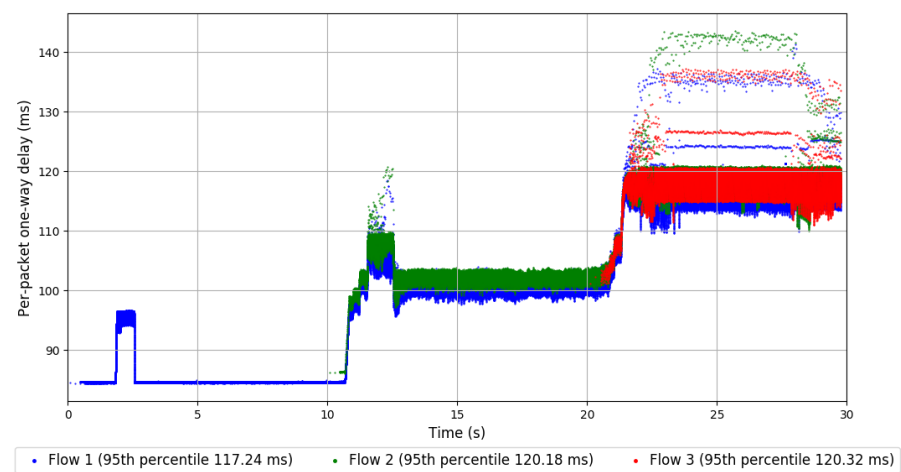
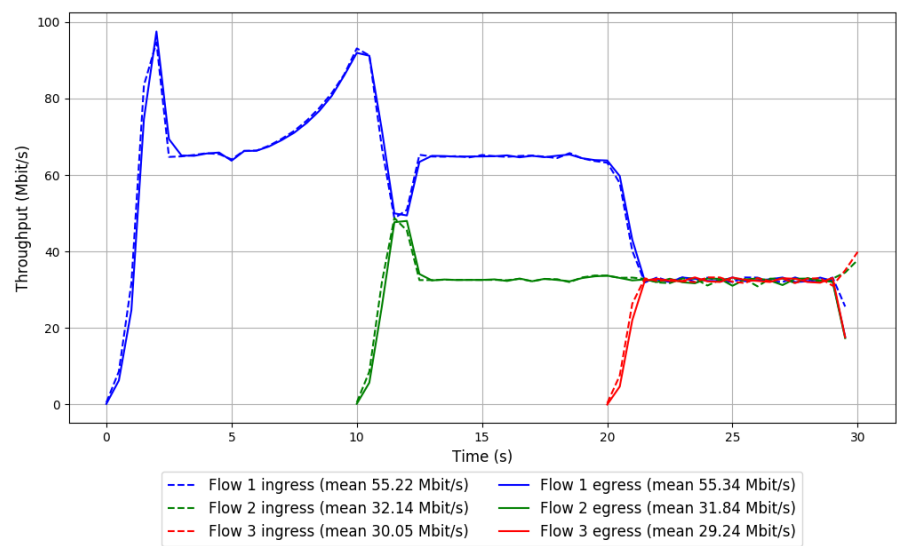


Run 4: Statistics of PCC

Start at: 2018-01-31 23:01:51
End at: 2018-01-31 23:02:21
Local clock offset: 1.007 ms
Remote clock offset: -6.234 ms

Below is generated by plot.py at 2018-02-01 05:34:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 119.509 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 117.239 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 120.181 ms
Loss rate: 4.80%
-- Flow 3:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 120.318 ms
Loss rate: 10.19%

Run 4: Report of PCC — Data Link

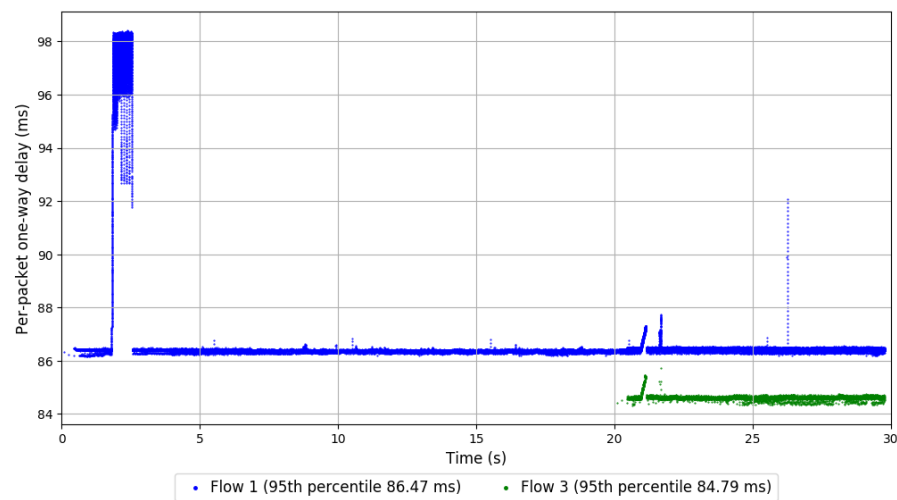
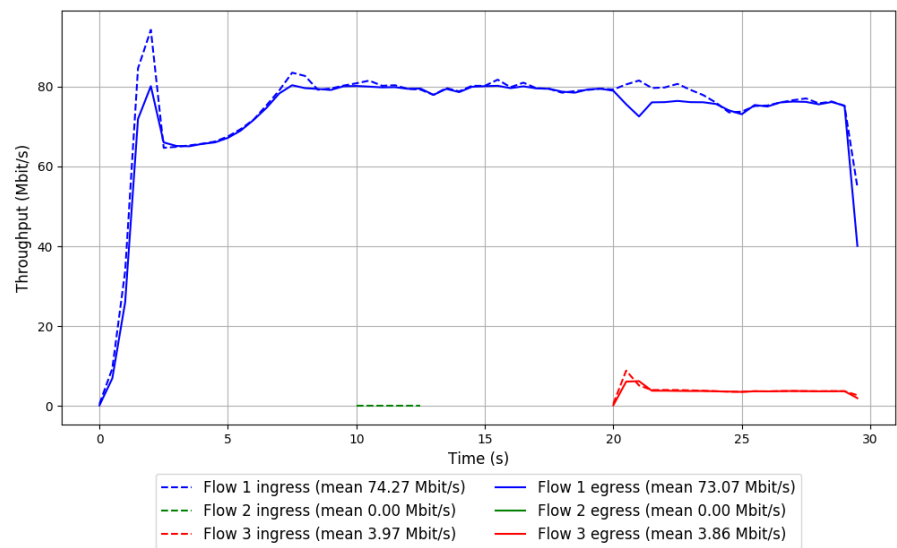


Run 5: Statistics of PCC

Start at: 2018-01-31 23:26:01
End at: 2018-01-31 23:26:31
Local clock offset: 1.01 ms
Remote clock offset: -6.292 ms

Below is generated by plot.py at 2018-02-01 05:34:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 86.473 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 73.07 Mbit/s
95th percentile per-packet one-way delay: 86.475 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 84.790 ms
Loss rate: 4.77%

Run 5: Report of PCC — Data Link

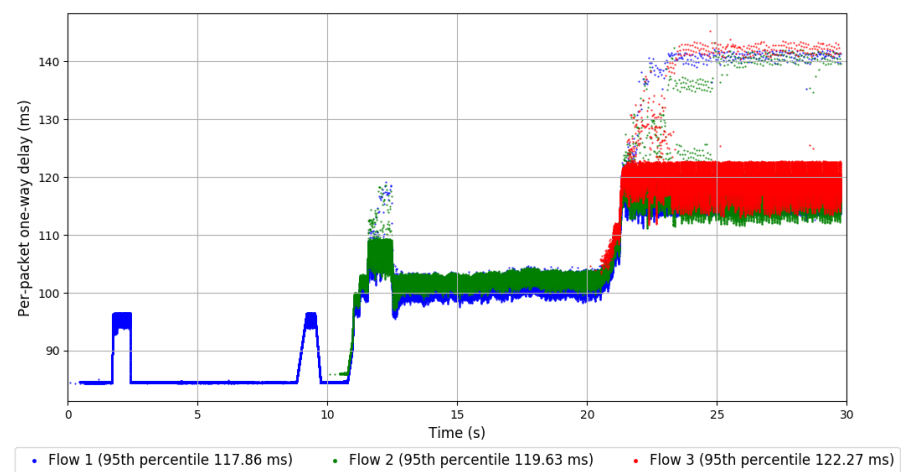
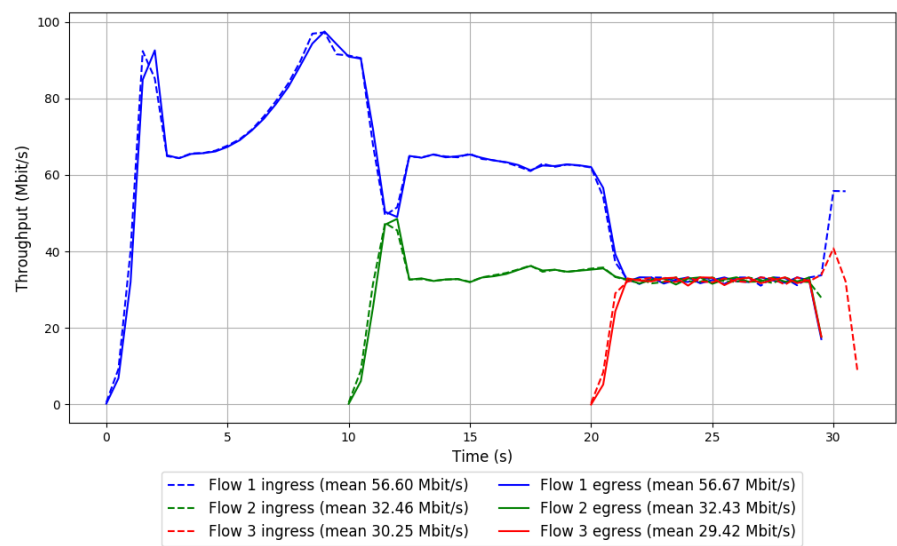


Run 6: Statistics of PCC

Start at: 2018-01-31 23:50:06
End at: 2018-01-31 23:50:36
Local clock offset: 0.951 ms
Remote clock offset: -5.702 ms

Below is generated by plot.py at 2018-02-01 05:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 119.810 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 117.864 ms
Loss rate: 3.87%
-- Flow 2:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 119.629 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 122.270 ms
Loss rate: 15.66%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-01 00:14:07

End at: 2018-02-01 00:14:37

Local clock offset: 0.923 ms

Remote clock offset: 1.681 ms

Below is generated by plot.py at 2018-02-01 05:34:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 113.294 ms

Loss rate: 4.59%

-- Flow 1:

Average throughput: 56.61 Mbit/s

95th percentile per-packet one-way delay: 112.643 ms

Loss rate: 4.34%

-- Flow 2:

Average throughput: 32.59 Mbit/s

95th percentile per-packet one-way delay: 113.343 ms

Loss rate: 1.31%

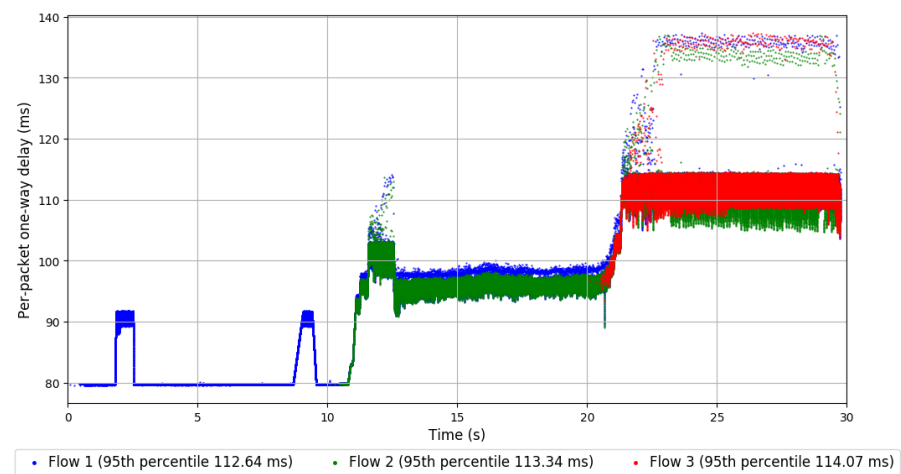
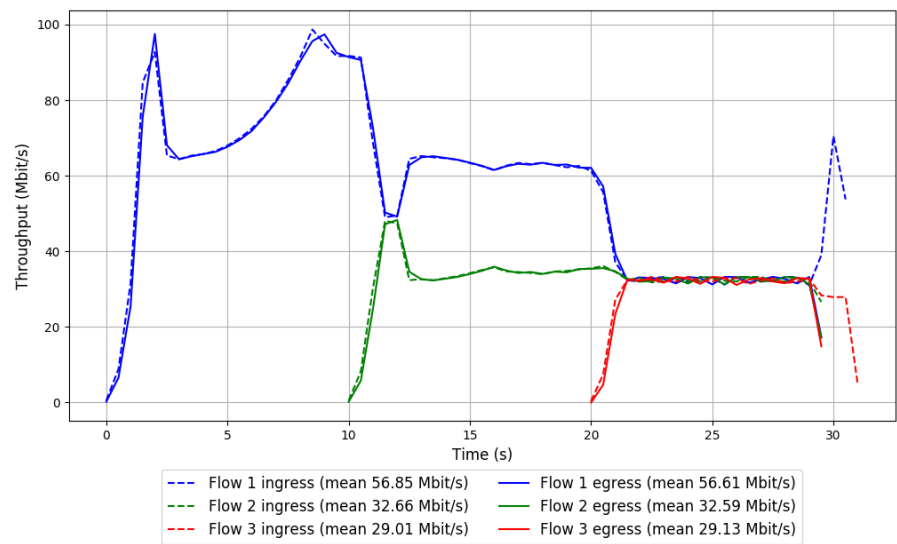
-- Flow 3:

Average throughput: 29.13 Mbit/s

95th percentile per-packet one-way delay: 114.071 ms

Loss rate: 12.56%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-01 00:38:05

End at: 2018-02-01 00:38:35

Local clock offset: 0.749 ms

Remote clock offset: 1.26 ms

Below is generated by plot.py at 2018-02-01 05:34:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 114.790 ms

Loss rate: 2.89%

-- Flow 1:

Average throughput: 56.77 Mbit/s

95th percentile per-packet one-way delay: 113.508 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 32.41 Mbit/s

95th percentile per-packet one-way delay: 114.970 ms

Loss rate: 5.26%

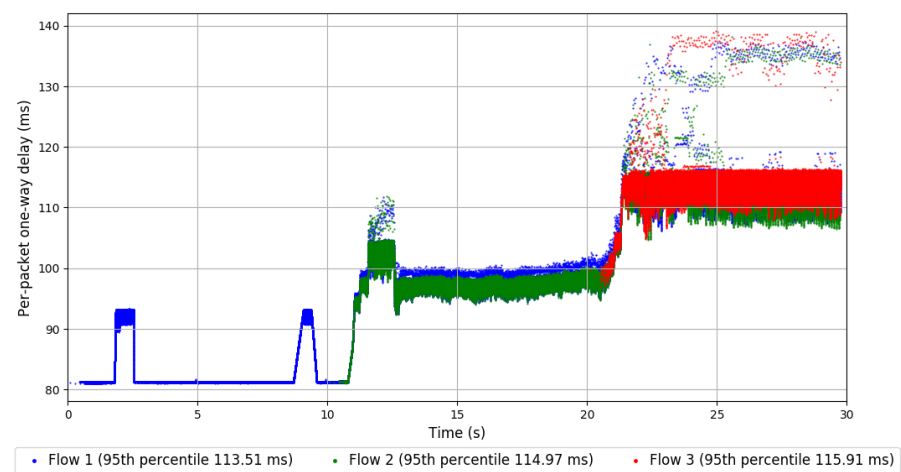
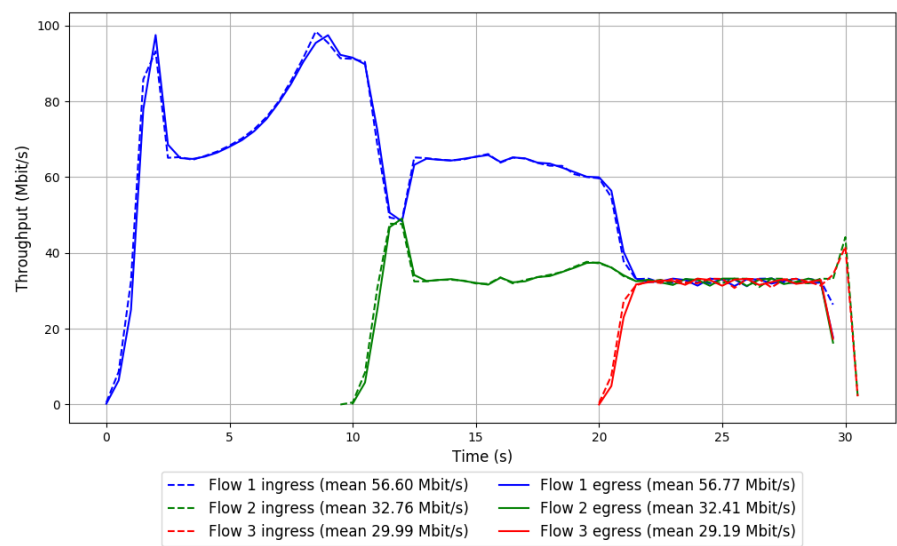
-- Flow 3:

Average throughput: 29.19 Mbit/s

95th percentile per-packet one-way delay: 115.907 ms

Loss rate: 10.68%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-01 01:02:02

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

Local clock offset: 0.446 ms

Remote clock offset: 4.076 ms

Below is generated by plot.py at 2018-02-01 05:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 113.695 ms

Loss rate: 5.74%

-- Flow 1:

Average throughput: 57.05 Mbit/s

95th percentile per-packet one-way delay: 113.784 ms

Loss rate: 5.91%

-- Flow 2:

Average throughput: 31.99 Mbit/s

95th percentile per-packet one-way delay: 113.786 ms

Loss rate: 1.14%

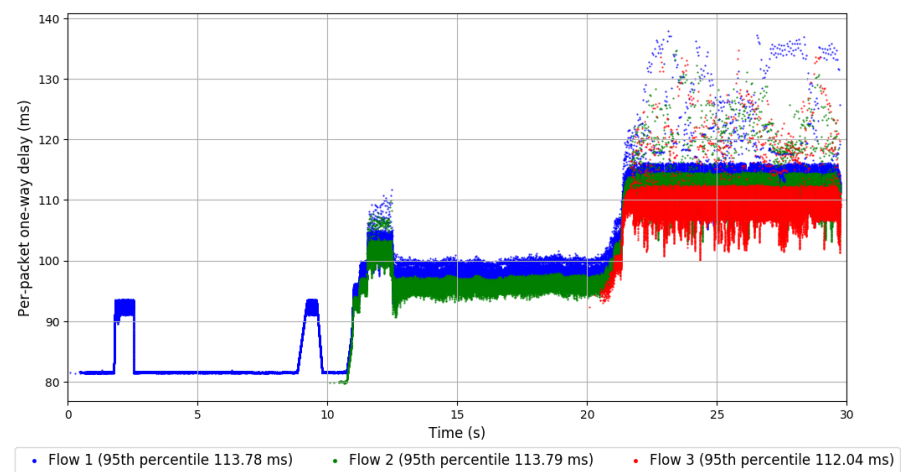
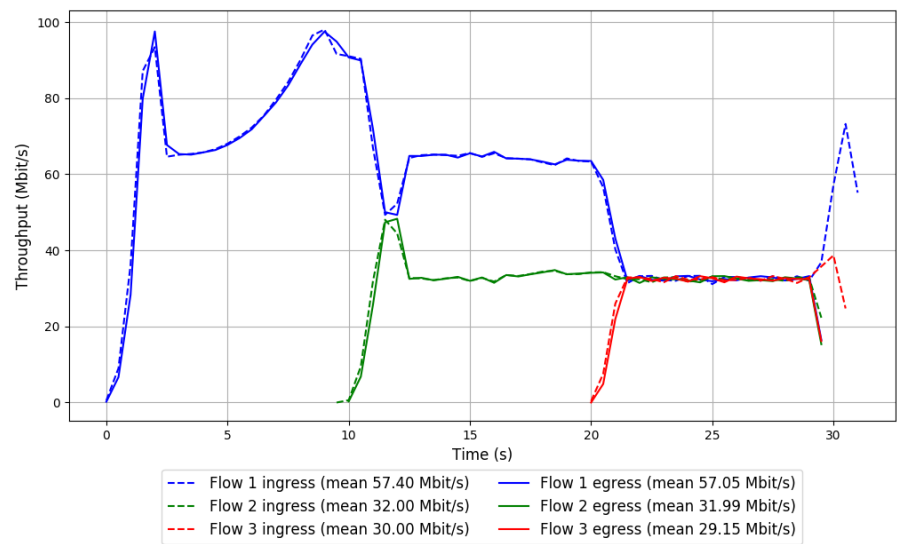
-- Flow 3:

Average throughput: 29.15 Mbit/s

95th percentile per-packet one-way delay: 112.037 ms

Loss rate: 13.79%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-01 01:26:06

End at: 2018-02-01 01:26:36

Local clock offset: 0.253 ms

Remote clock offset: 2.536 ms

Below is generated by plot.py at 2018-02-01 05:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 114.232 ms

Loss rate: 3.16%

-- Flow 1:

Average throughput: 55.74 Mbit/s

95th percentile per-packet one-way delay: 113.420 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 113.879 ms

Loss rate: 5.78%

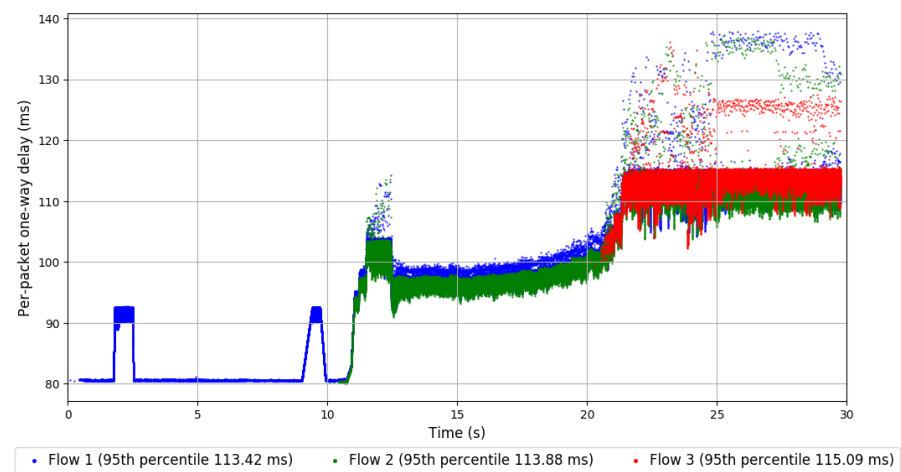
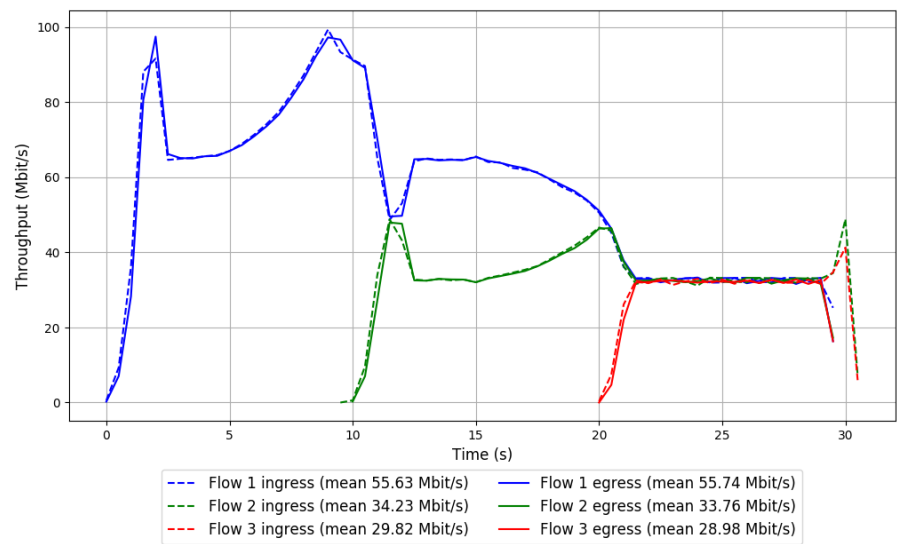
-- Flow 3:

Average throughput: 28.98 Mbit/s

95th percentile per-packet one-way delay: 115.089 ms

Loss rate: 11.45%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-31 21:30:12

End at: 2018-01-31 21:30:42

Local clock offset: 0.995 ms

Remote clock offset: 2.862 ms

Below is generated by plot.py at 2018-02-01 05:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 103.256 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 46.15 Mbit/s

95th percentile per-packet one-way delay: 103.466 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 35.06 Mbit/s

95th percentile per-packet one-way delay: 102.312 ms

Loss rate: 0.32%

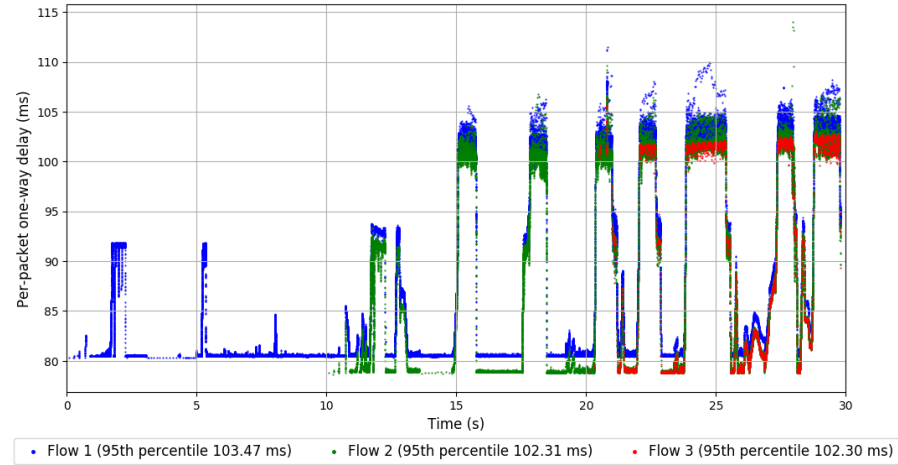
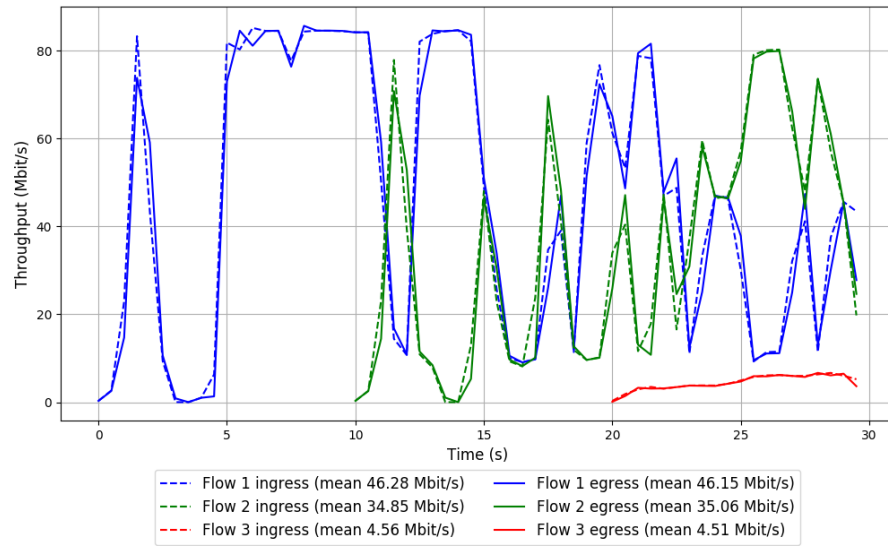
-- Flow 3:

Average throughput: 4.51 Mbit/s

95th percentile per-packet one-way delay: 102.302 ms

Loss rate: 2.97%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-01-31 21:54:01

End at: 2018-01-31 21:54:31

Local clock offset: 1.198 ms

Remote clock offset: 2.368 ms

Below is generated by plot.py at 2018-02-01 05:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.40 Mbit/s

95th percentile per-packet one-way delay: 114.220 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 111.073 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 25.49 Mbit/s

95th percentile per-packet one-way delay: 114.574 ms

Loss rate: 1.12%

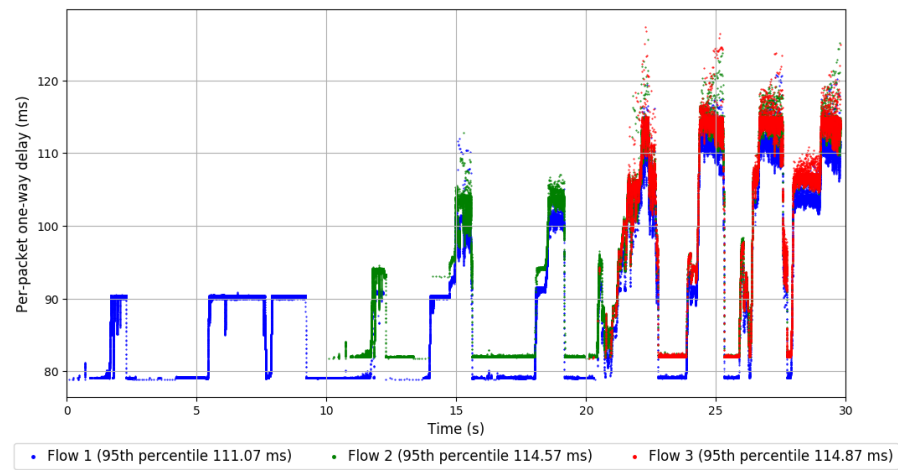
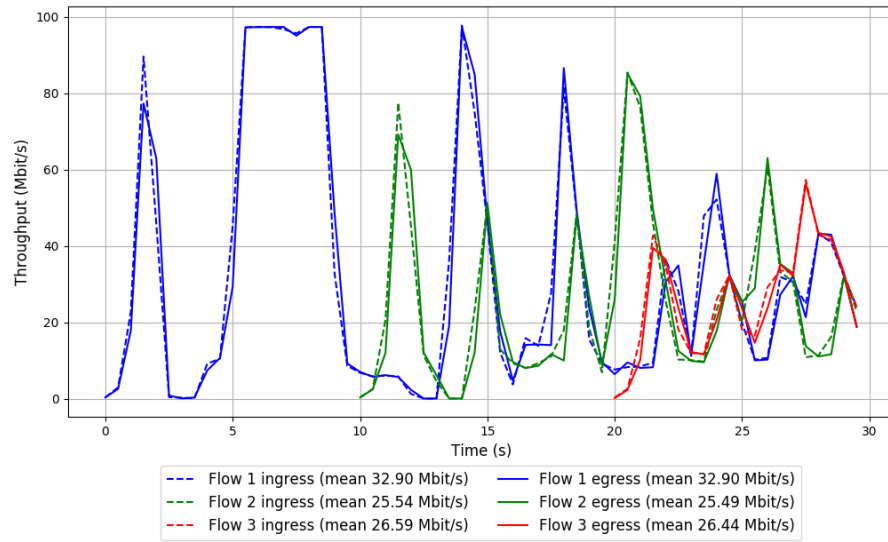
-- Flow 3:

Average throughput: 26.44 Mbit/s

95th percentile per-packet one-way delay: 114.866 ms

Loss rate: 2.41%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-01-31 22:18:08

End at: 2018-01-31 22:18:38

Local clock offset: 1.114 ms

Remote clock offset: 2.647 ms

Below is generated by plot.py at 2018-02-01 05:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.82 Mbit/s

95th percentile per-packet one-way delay: 81.119 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 83.924 ms

Loss rate: 1.74%

-- Flow 2:

Average throughput: 19.20 Mbit/s

95th percentile per-packet one-way delay: 80.378 ms

Loss rate: 1.26%

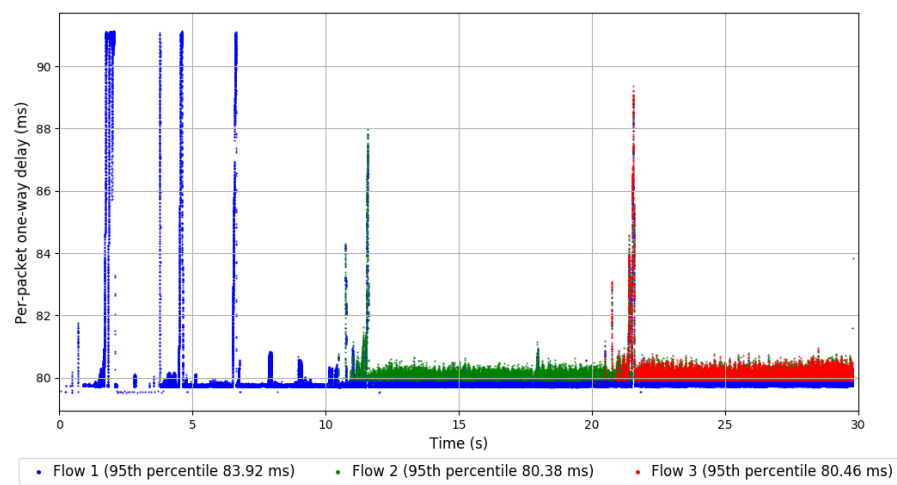
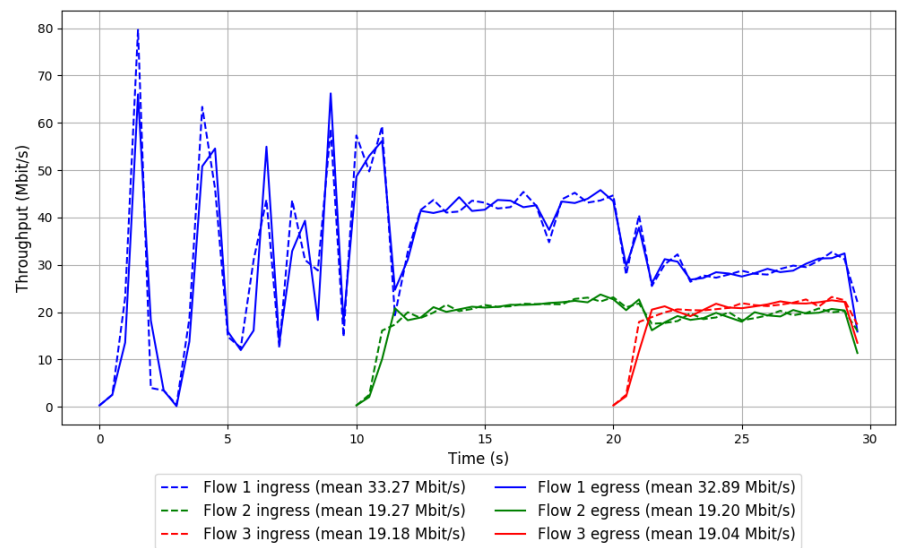
-- Flow 3:

Average throughput: 19.04 Mbit/s

95th percentile per-packet one-way delay: 80.463 ms

Loss rate: 2.49%

Run 3: Report of QUIC Cubic — Data Link

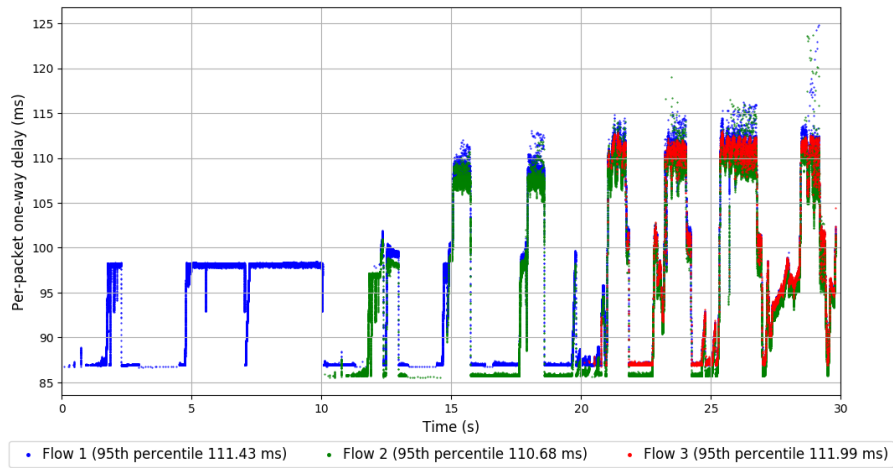
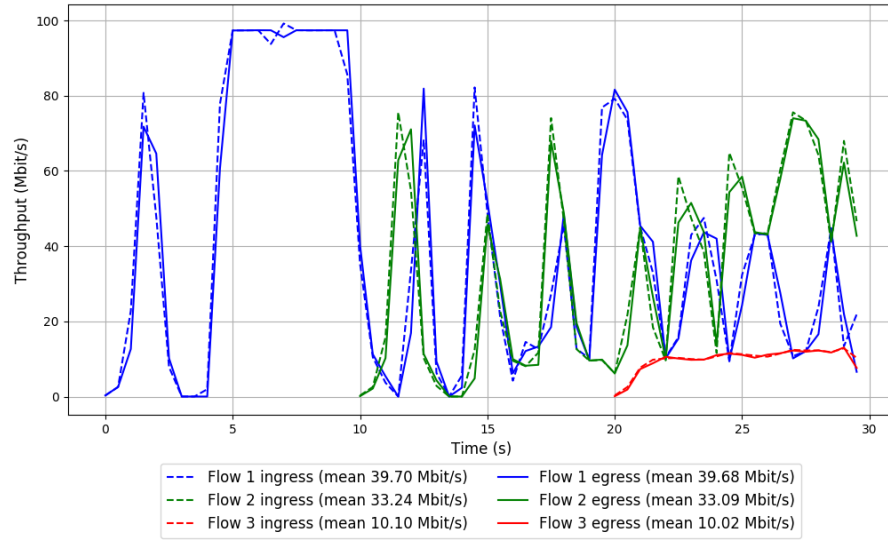


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-31 22:42:01
End at: 2018-01-31 22:42:31
Local clock offset: 1.008 ms
Remote clock offset: -3.897 ms

Below is generated by plot.py at 2018-02-01 05:35:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.86 Mbit/s
95th percentile per-packet one-way delay: 111.240 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 111.433 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 110.680 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 111.990 ms
Loss rate: 2.59%

Run 4: Report of QUIC Cubic — Data Link

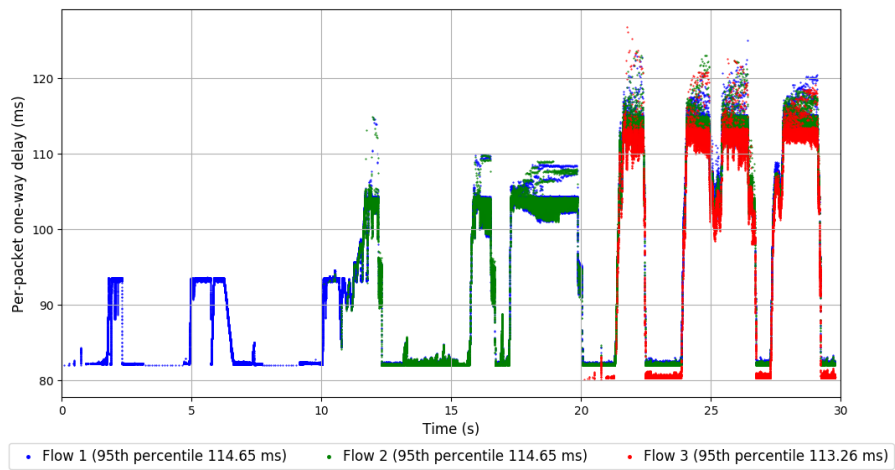
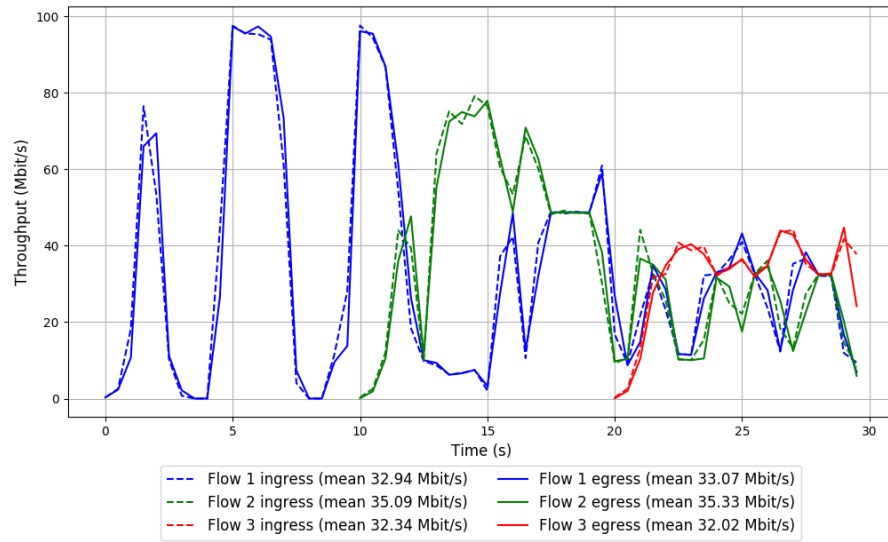


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-31 23:05:50
End at: 2018-01-31 23:06:20
Local clock offset: 1.017 ms
Remote clock offset: -0.714 ms

Below is generated by plot.py at 2018-02-01 05:35:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.91 Mbit/s
95th percentile per-packet one-way delay: 114.577 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 33.07 Mbit/s
95th percentile per-packet one-way delay: 114.650 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 114.646 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 32.02 Mbit/s
95th percentile per-packet one-way delay: 113.262 ms
Loss rate: 2.81%

Run 5: Report of QUIC Cubic — Data Link

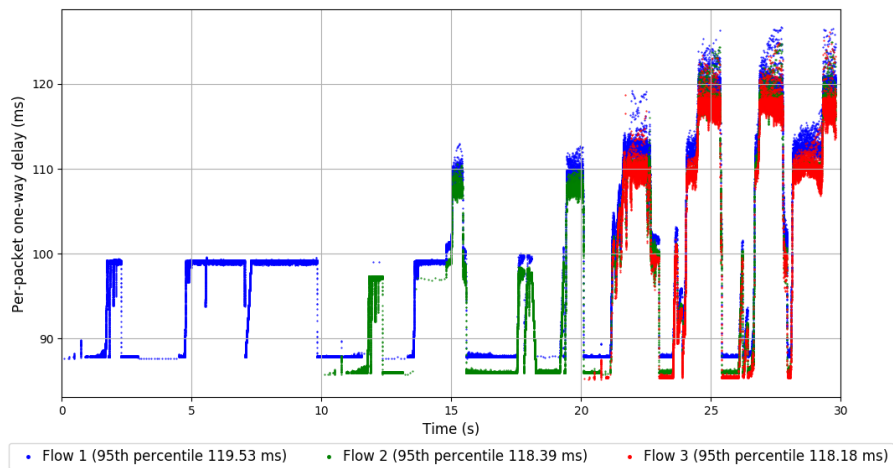
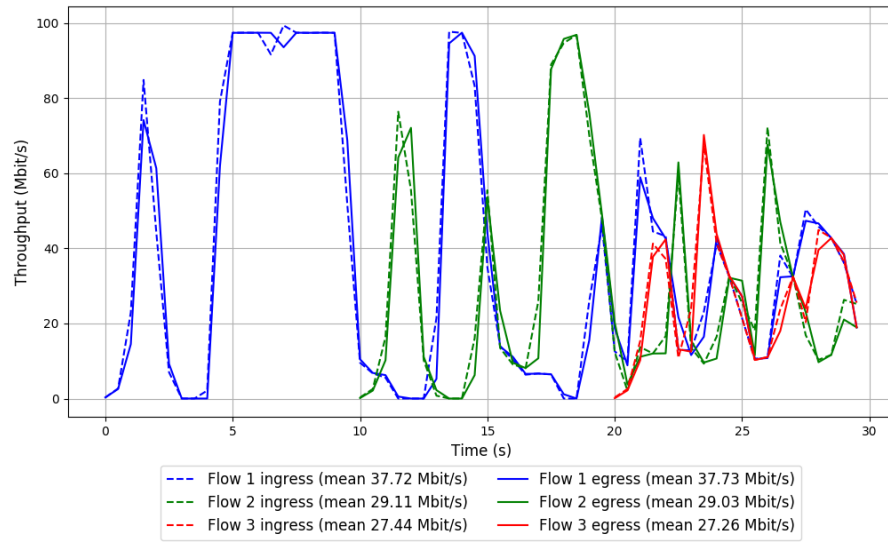


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-31 23:30:08
End at: 2018-01-31 23:30:38
Local clock offset: 1.0 ms
Remote clock offset: -6.206 ms

Below is generated by plot.py at 2018-02-01 05:35:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 118.550 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 119.533 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 118.392 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 118.181 ms
Loss rate: 2.62%

Run 6: Report of QUIC Cubic — Data Link

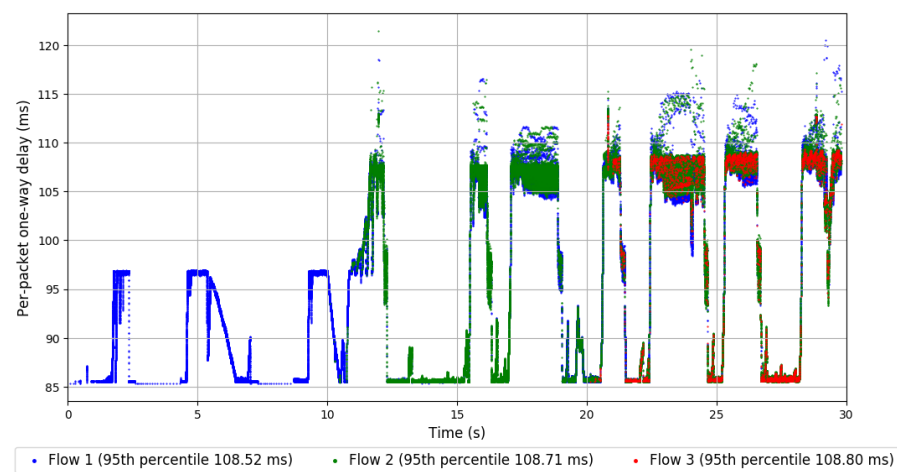
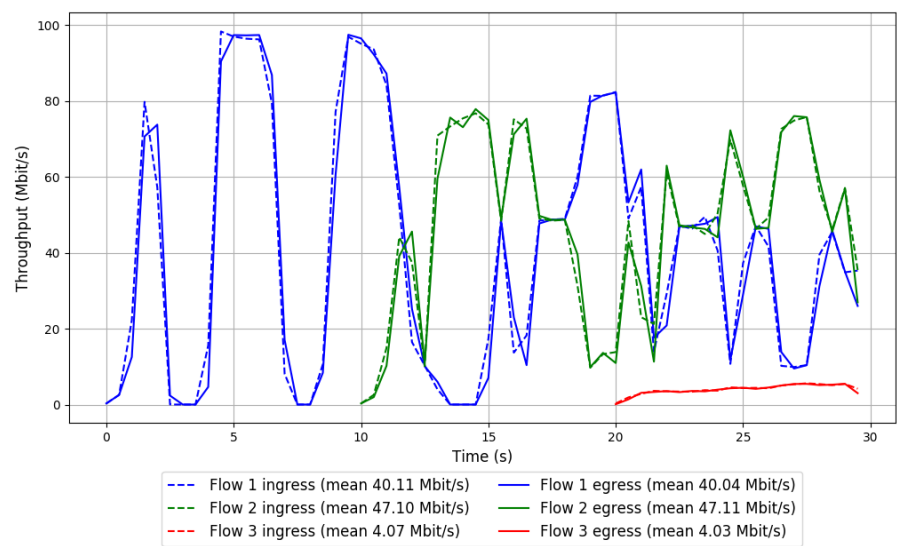


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-31 23:54:07
End at: 2018-01-31 23:54:37
Local clock offset: 0.969 ms
Remote clock offset: -4.758 ms

Below is generated by plot.py at 2018-02-01 05:36:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 108.633 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 108.522 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 108.714 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 108.803 ms
Loss rate: 2.79%

Run 7: Report of QUIC Cubic — Data Link

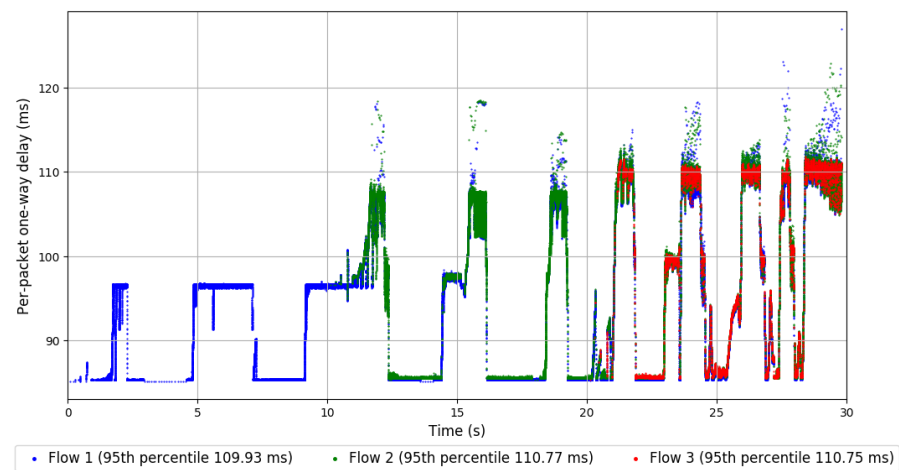
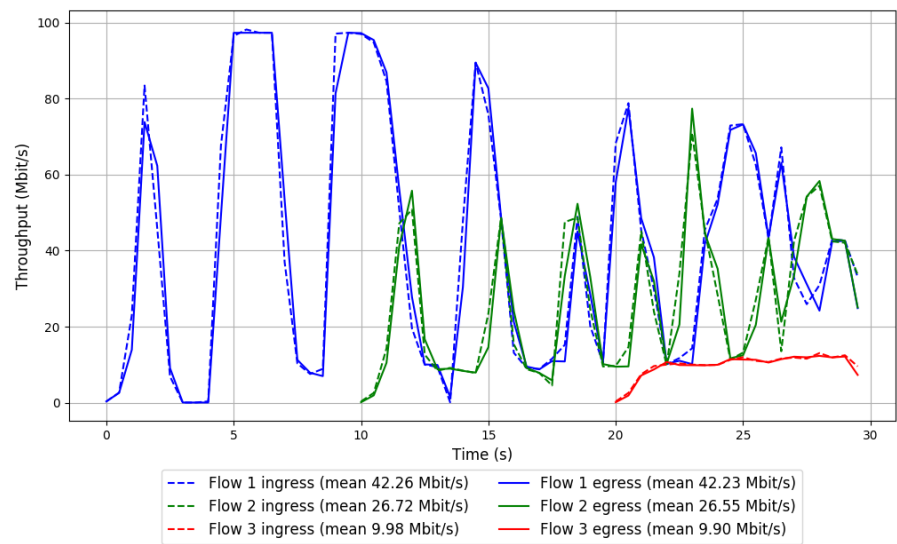


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-01 00:18:08
End at: 2018-02-01 00:18:38
Local clock offset: 0.908 ms
Remote clock offset: -3.868 ms

Below is generated by plot.py at 2018-02-01 05:36:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 110.356 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 109.932 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 110.765 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 9.90 Mbit/s
95th percentile per-packet one-way delay: 110.747 ms
Loss rate: 2.63%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-01 00:42:07

End at: 2018-02-01 00:42:37

Local clock offset: 0.707 ms

Remote clock offset: 2.461 ms

Below is generated by plot.py at 2018-02-01 05:36:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.46 Mbit/s

95th percentile per-packet one-way delay: 106.146 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 43.21 Mbit/s

95th percentile per-packet one-way delay: 104.992 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 30.32 Mbit/s

95th percentile per-packet one-way delay: 106.572 ms

Loss rate: 1.38%

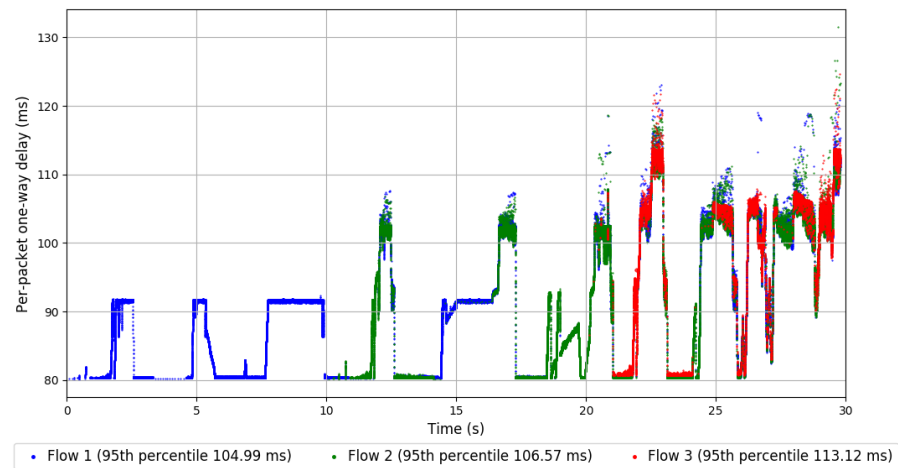
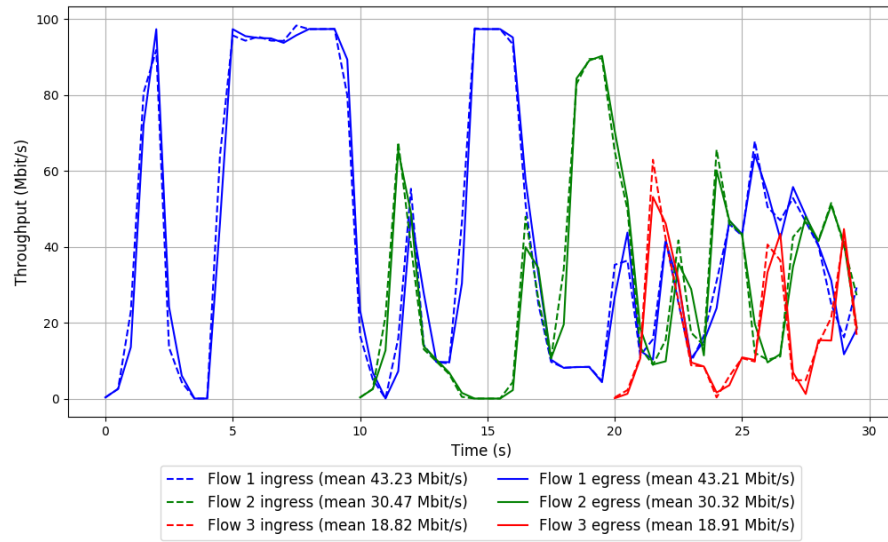
-- Flow 3:

Average throughput: 18.91 Mbit/s

95th percentile per-packet one-way delay: 113.118 ms

Loss rate: 1.41%

Run 9: Report of QUIC Cubic — Data Link

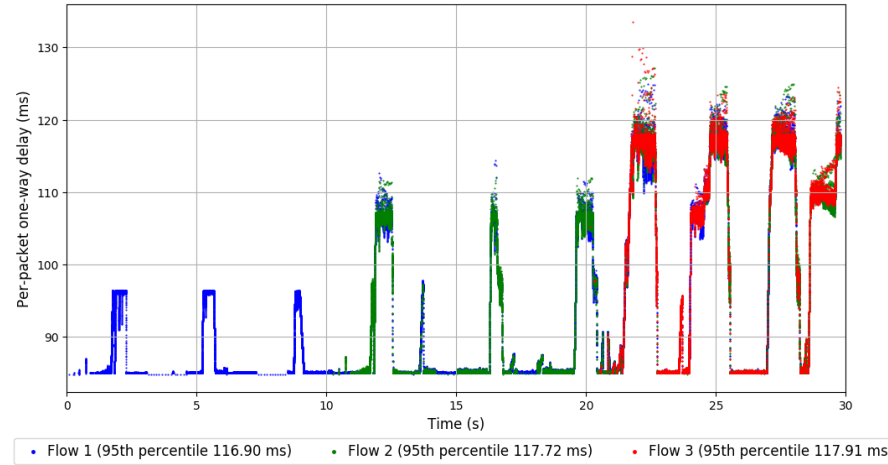
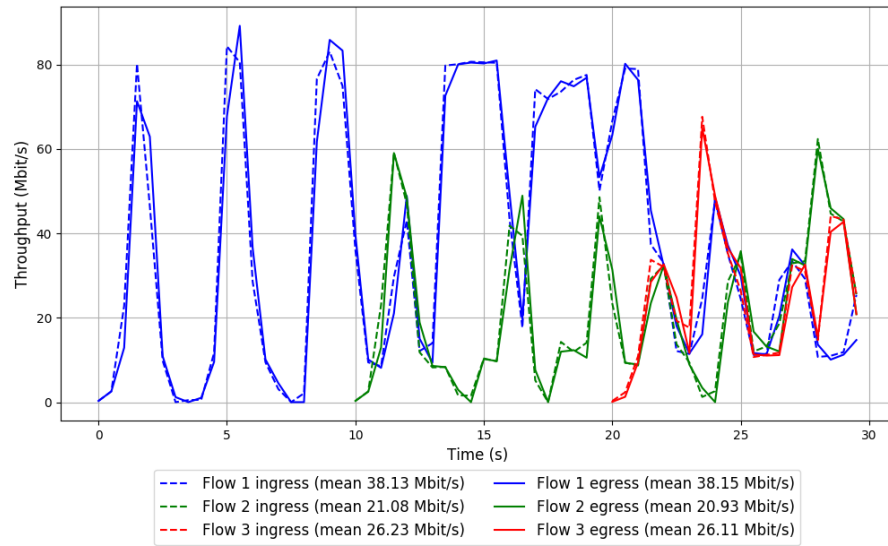


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-01 01:06:03
End at: 2018-02-01 01:06:33
Local clock offset: 0.433 ms
Remote clock offset: -1.619 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.49 Mbit/s
95th percentile per-packet one-way delay: 117.591 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 116.896 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 117.723 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 117.906 ms
Loss rate: 2.75%

Run 10: Report of QUIC Cubic — Data Link

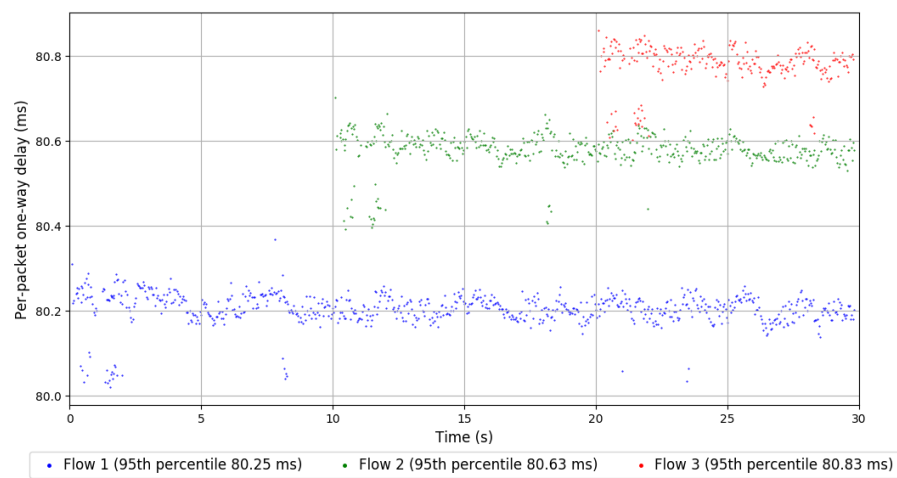
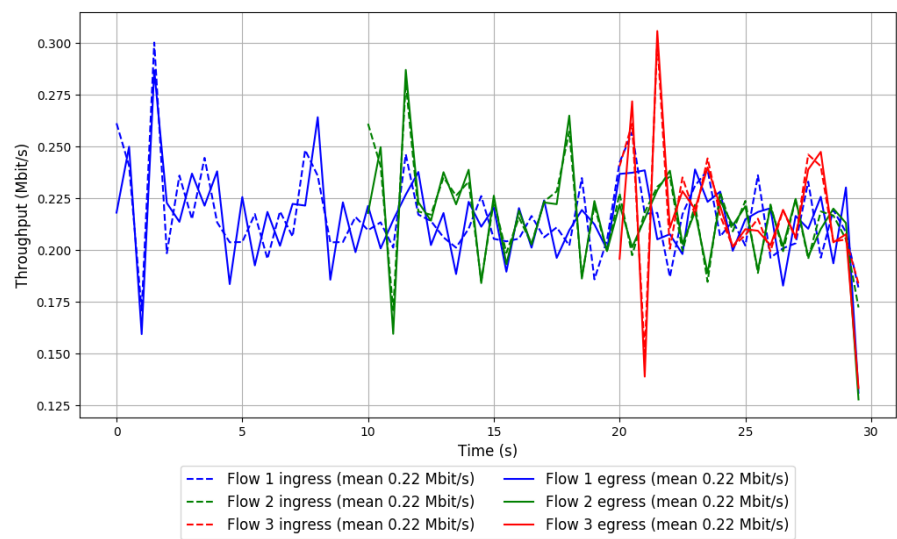


```
Run 1: Statistics of SReAM

Start at: 2018-01-31 21:46:02
End at: 2018-01-31 21:46:32
Local clock offset: 1.104 ms
Remote clock offset: 2.59 ms

# Below is generated by plot.py at 2018-02-01 05:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 80.804 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.252 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.627 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.833 ms
Loss rate: 1.87%
```

Run 1: Report of SReAM — Data Link

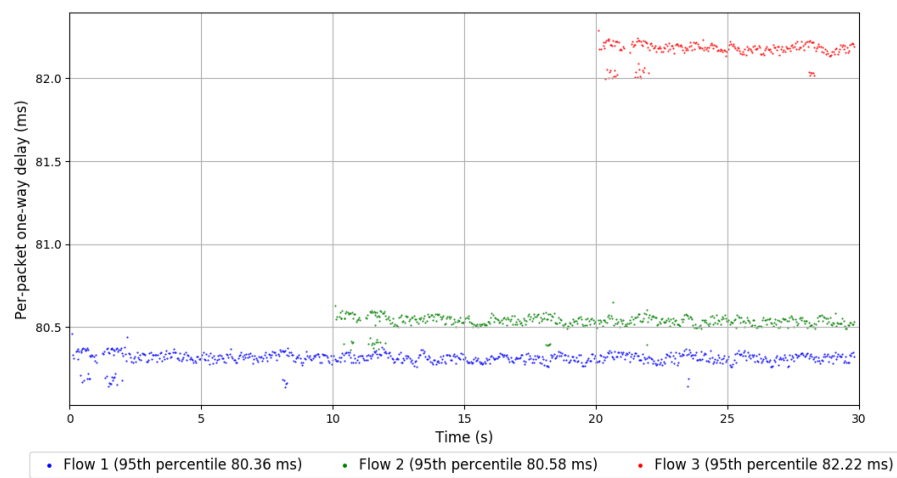
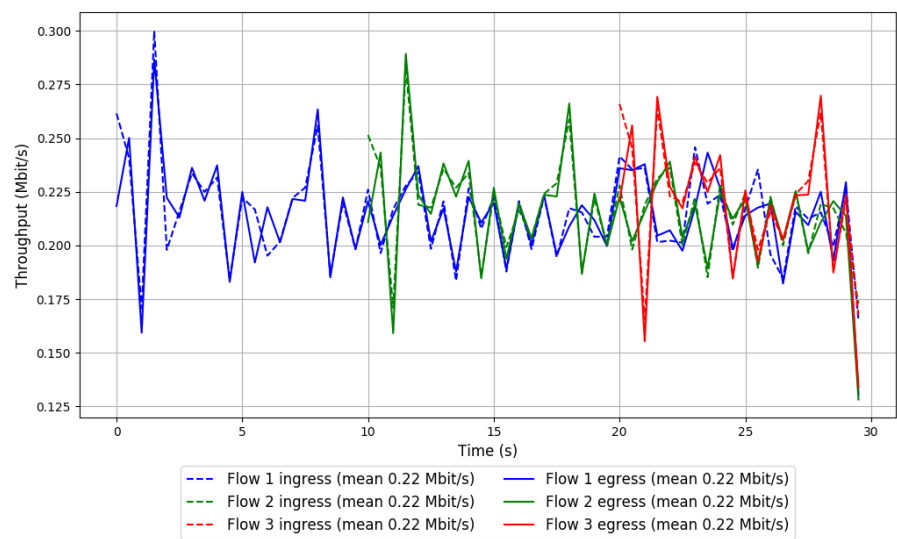


```
Run 2: Statistics of SReAM

Start at: 2018-01-31 22:10:09
End at: 2018-01-31 22:10:39
Local clock offset: 1.024 ms
Remote clock offset: 2.117 ms

# Below is generated by plot.py at 2018-02-01 05:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 82.196 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.357 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.581 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.221 ms
Loss rate: 1.49%
```

Run 2: Report of SReAM — Data Link

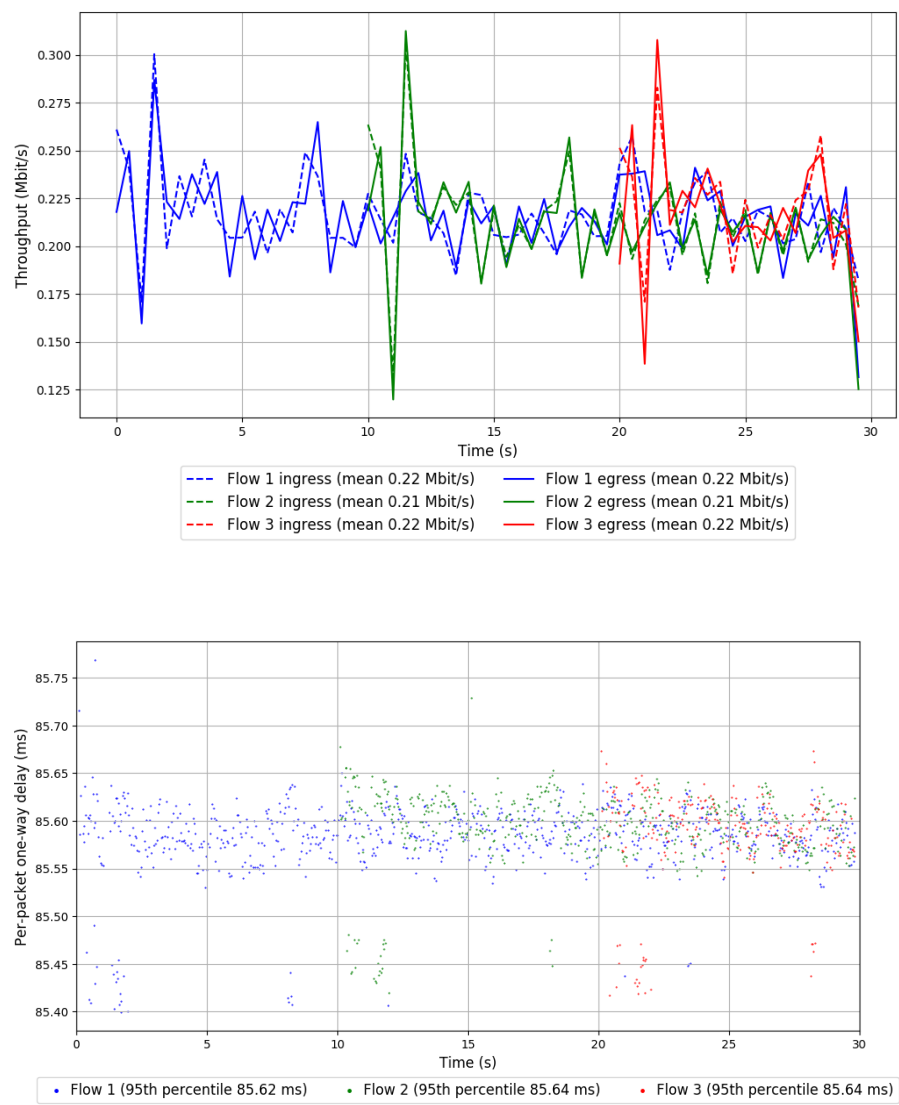


Run 3: Statistics of SReAM

Start at: 2018-01-31 22:34:02
End at: 2018-01-31 22:34:32
Local clock offset: 1.088 ms
Remote clock offset: -3.318 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.633 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.624 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 85.636 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.636 ms
Loss rate: 1.50%

Run 3: Report of SCRaM — Data Link

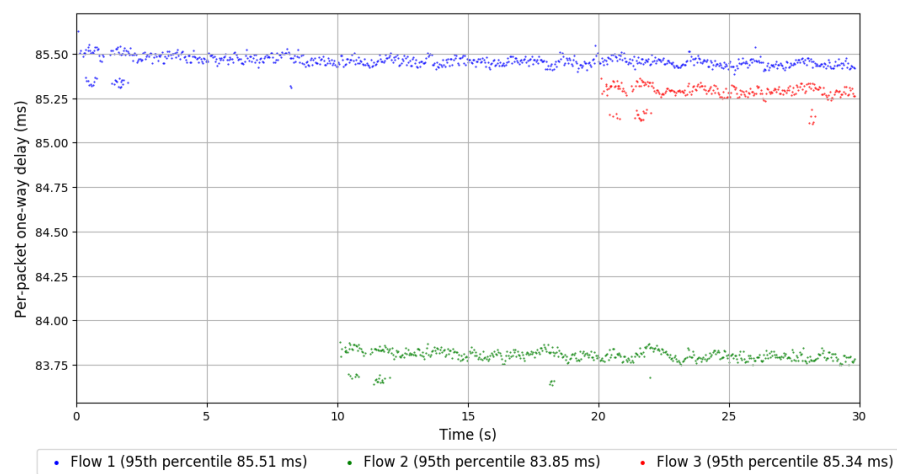
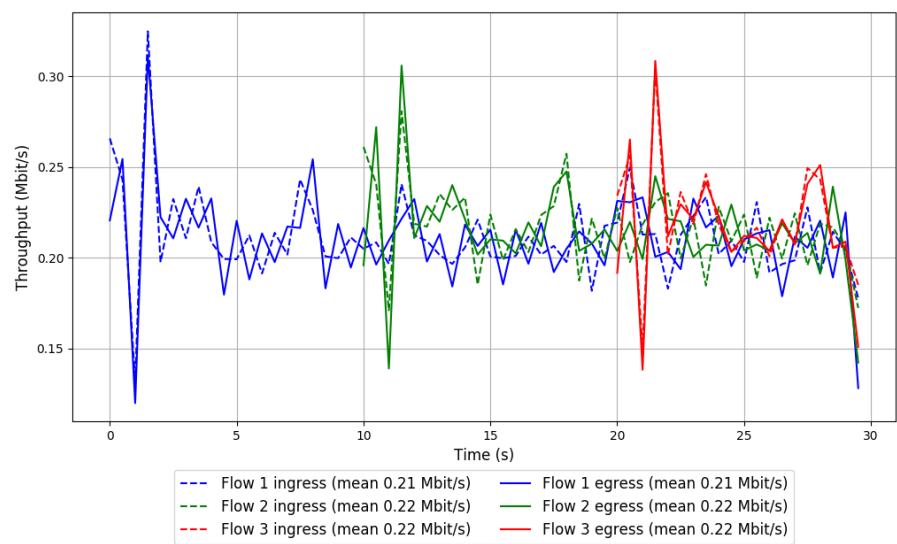


Run 4: Statistics of SReAM

Start at: 2018-01-31 22:57:52
End at: 2018-01-31 22:58:22
Local clock offset: 0.95 ms
Remote clock offset: -5.285 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.500 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 85.508 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.849 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.338 ms
Loss rate: 1.50%

Run 4: Report of SReAM — Data Link

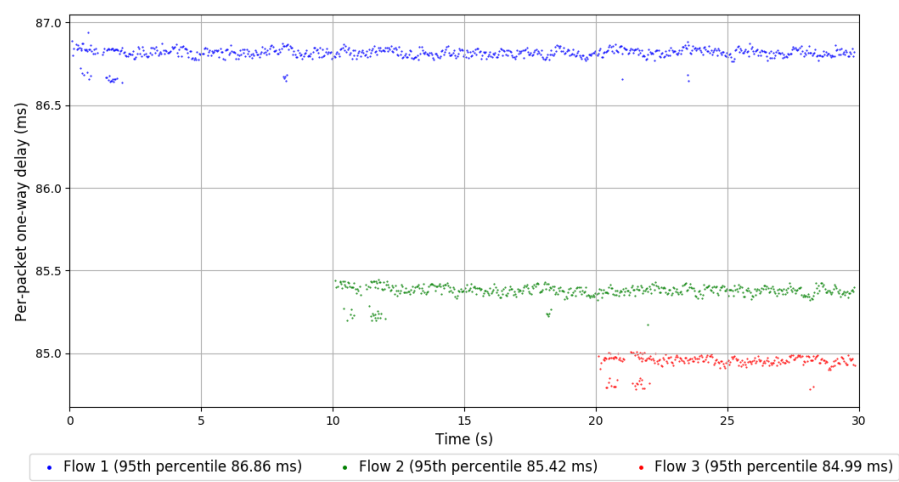
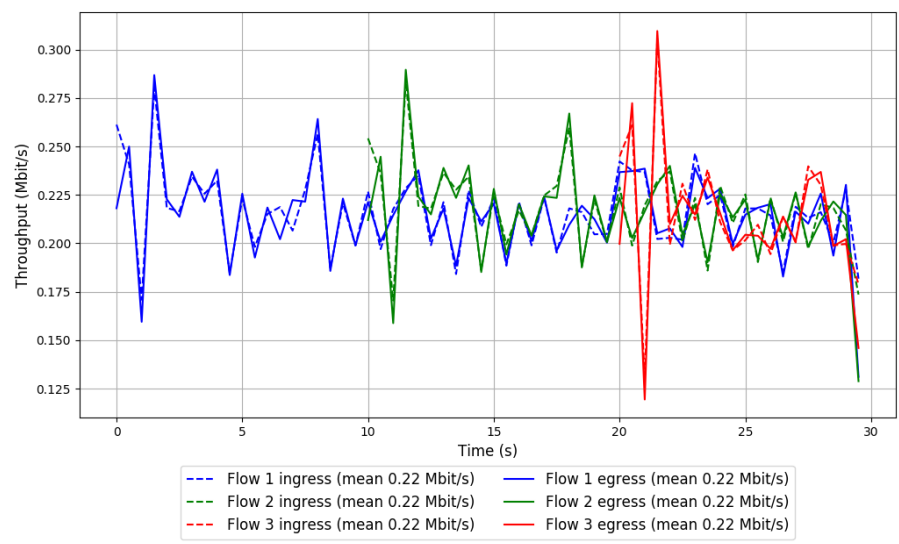


Run 5: Statistics of SReAM

Start at: 2018-01-31 23:21:41
End at: 2018-01-31 23:22:11
Local clock offset: 0.939 ms
Remote clock offset: -5.319 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.847 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.856 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.422 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.994 ms
Loss rate: 1.49%

Run 5: Report of SReAM — Data Link

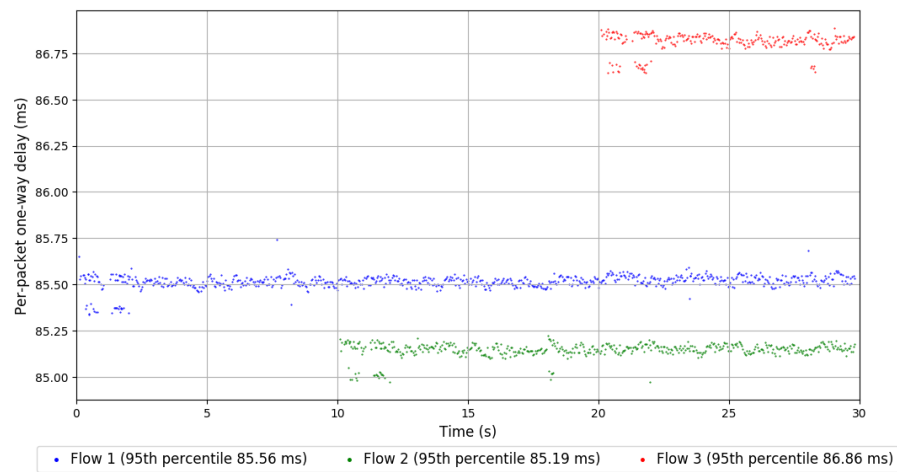
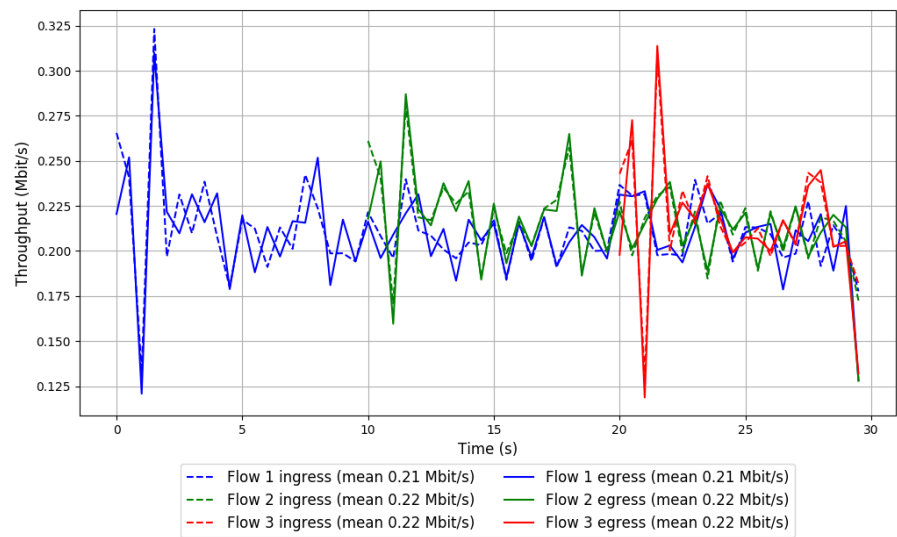


Run 6: Statistics of SReAM

Start at: 2018-01-31 23:46:06
End at: 2018-01-31 23:46:36
Local clock offset: 1.005 ms
Remote clock offset: -5.008 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.840 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 85.557 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.188 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 1.87%

Run 6: Report of SReAM — Data Link

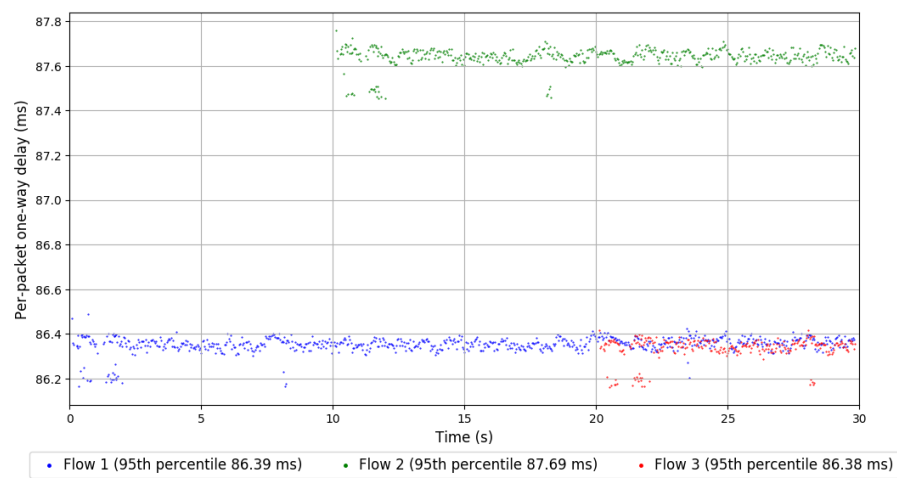
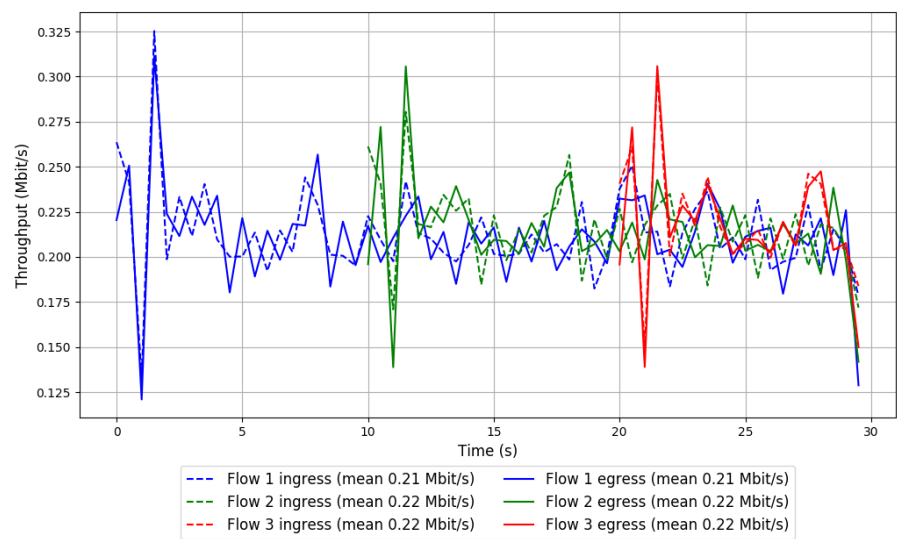


Run 7: Statistics of SReAM

Start at: 2018-02-01 00:10:07
End at: 2018-02-01 00:10:37
Local clock offset: 0.97 ms
Remote clock offset: -5.05 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.673 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.394 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.687 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.382 ms
Loss rate: 1.49%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-02-01 00:34:03

End at: 2018-02-01 00:34:33

Local clock offset: 0.777 ms

Remote clock offset: 1.841 ms

Below is generated by plot.py at 2018-02-01 05:36:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 80.738 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 79.089 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.724 ms

Loss rate: 0.84%

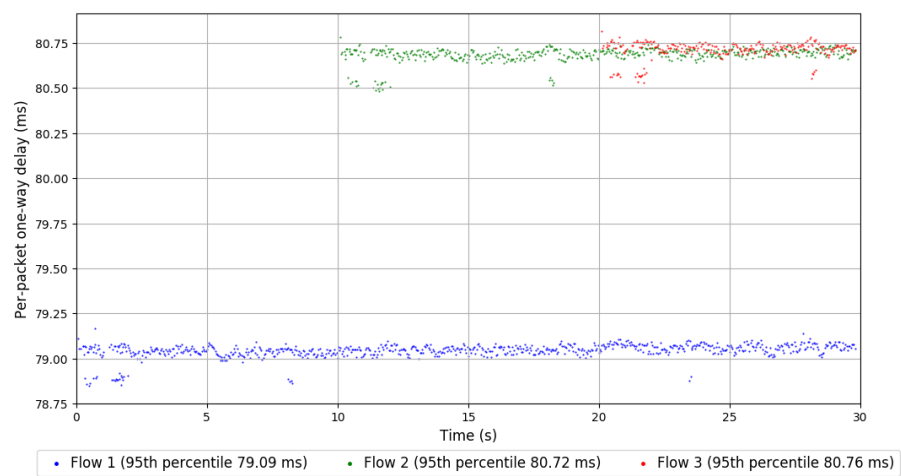
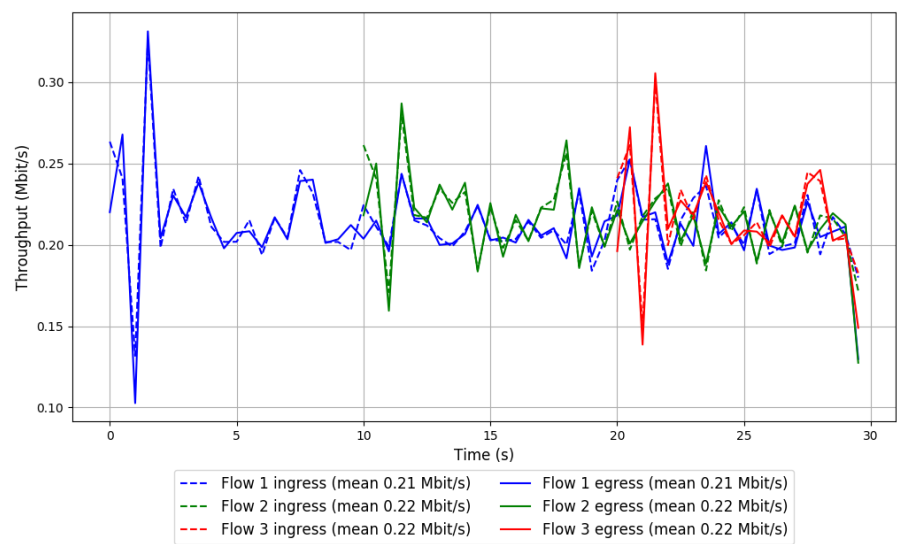
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 80.759 ms

Loss rate: 1.49%

Run 8: Report of SReAM — Data Link

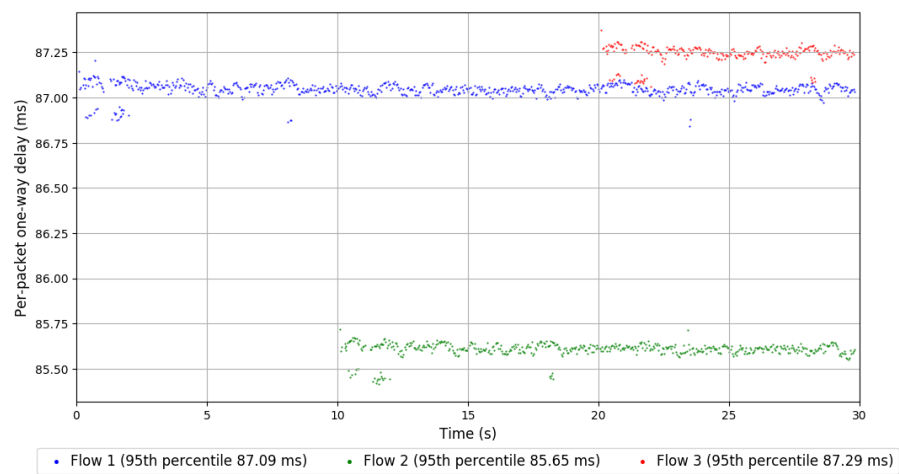
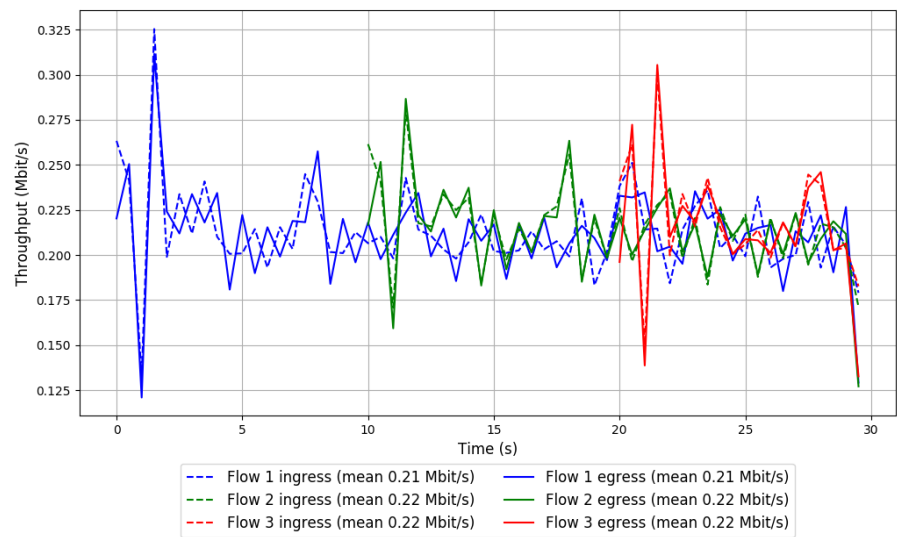


Run 9: Statistics of SReAM

Start at: 2018-02-01 00:58:02
End at: 2018-02-01 00:58:32
Local clock offset: 0.548 ms
Remote clock offset: -1.366 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.265 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 87.091 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.650 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.292 ms
Loss rate: 1.86%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

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

End at: 2018-02-01 01:22:34

Local clock offset: 0.275 ms

Remote clock offset: 1.751 ms

Below is generated by plot.py at 2018-02-01 05:36:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 82.987 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.152 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 81.143 ms

Loss rate: 0.84%

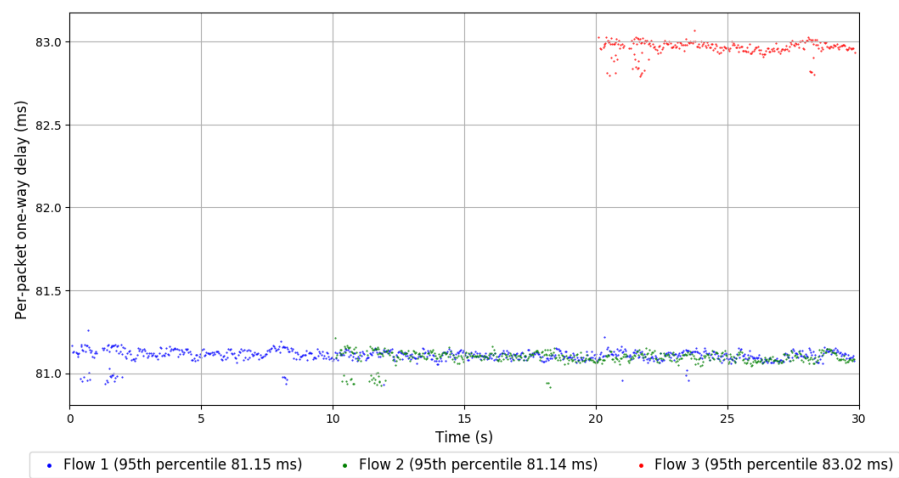
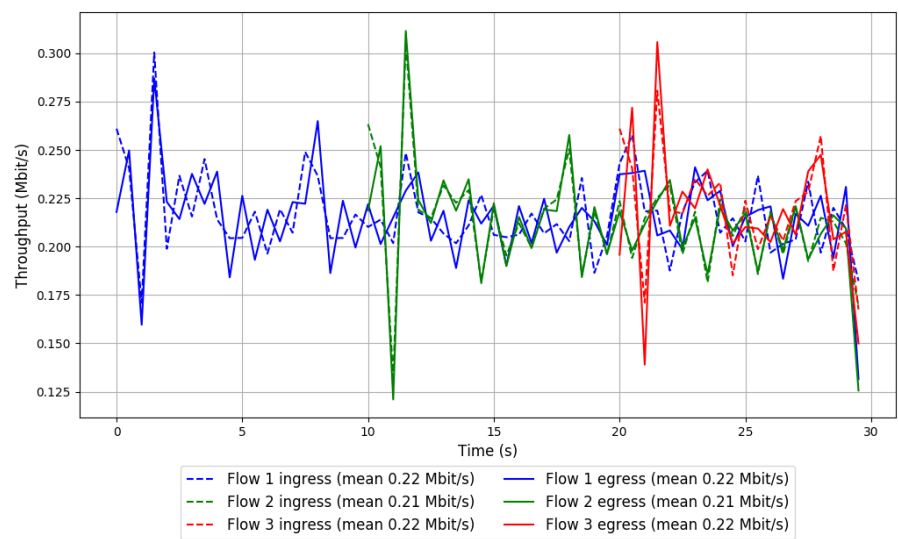
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.016 ms

Loss rate: 1.49%

Run 10: Report of SReAM — Data Link

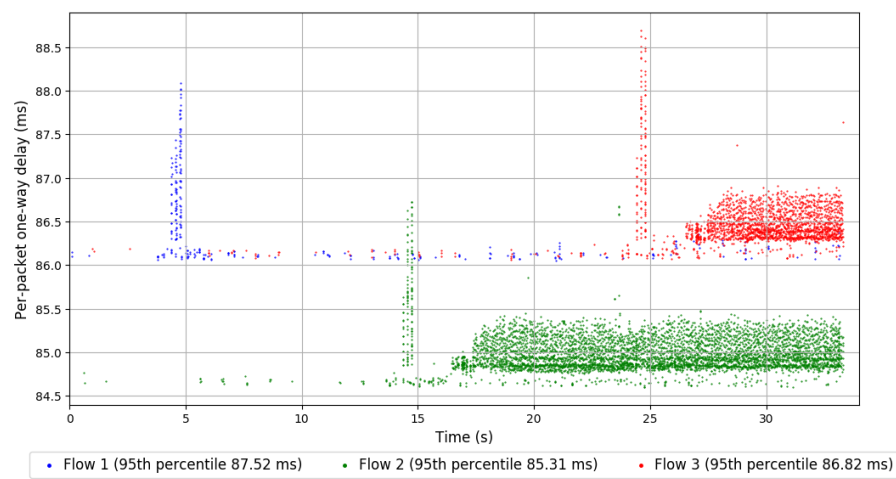
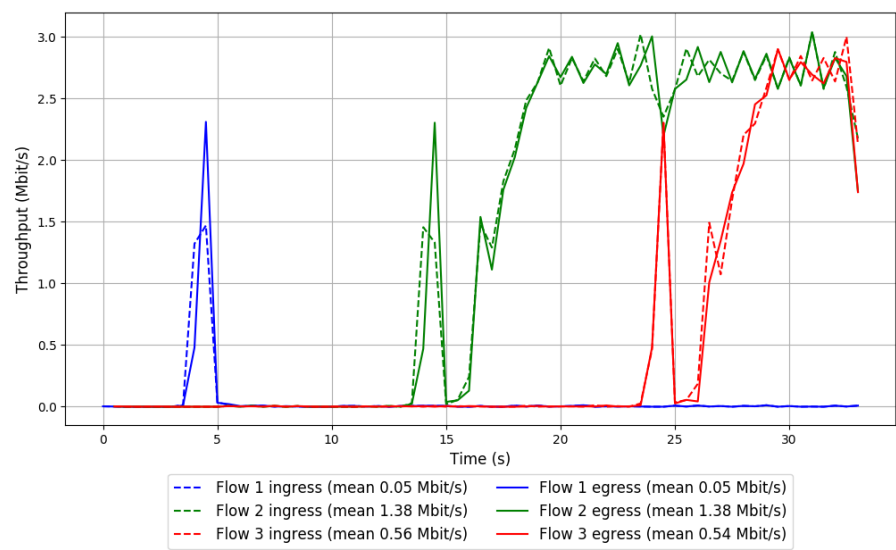


Run 1: Statistics of WebRTC media

Start at: 2018-01-31 21:42:07
End at: 2018-01-31 21:42:37
Local clock offset: 1.019 ms
Remote clock offset: -3.091 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.691 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.522 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 85.313 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 86.820 ms
Loss rate: 2.91%

Run 1: Report of WebRTC media — Data Link

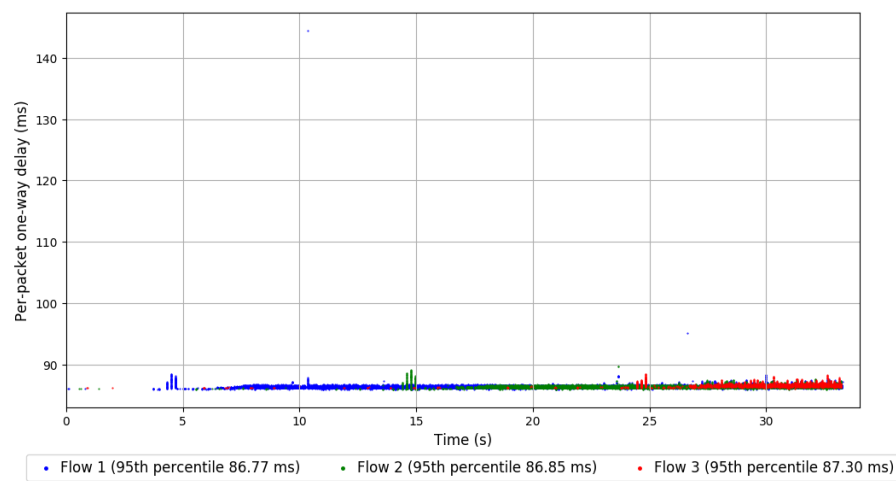
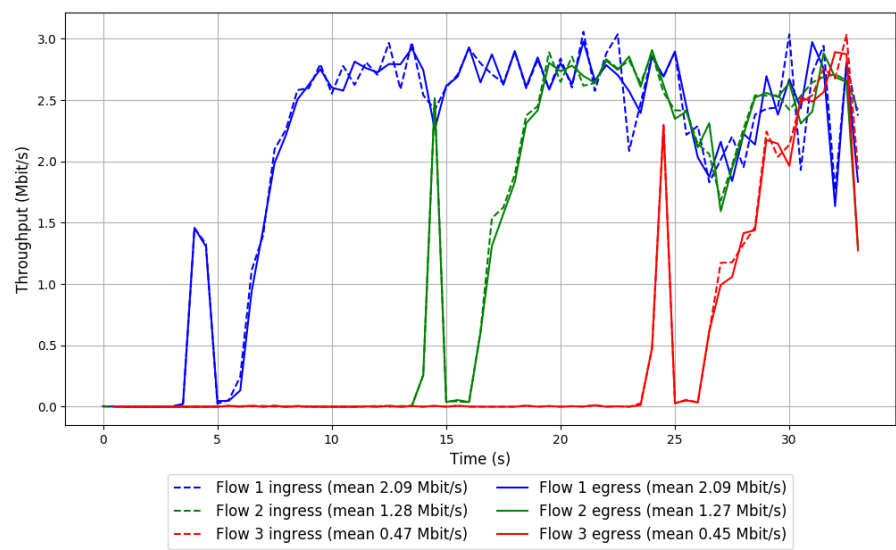


Run 2: Statistics of WebRTC media

Start at: 2018-01-31 22:06:12
End at: 2018-01-31 22:06:42
Local clock offset: 1.132 ms
Remote clock offset: -3.556 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 86.927 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 86.773 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 86.852 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 87.304 ms
Loss rate: 3.87%

Run 2: Report of WebRTC media — Data Link

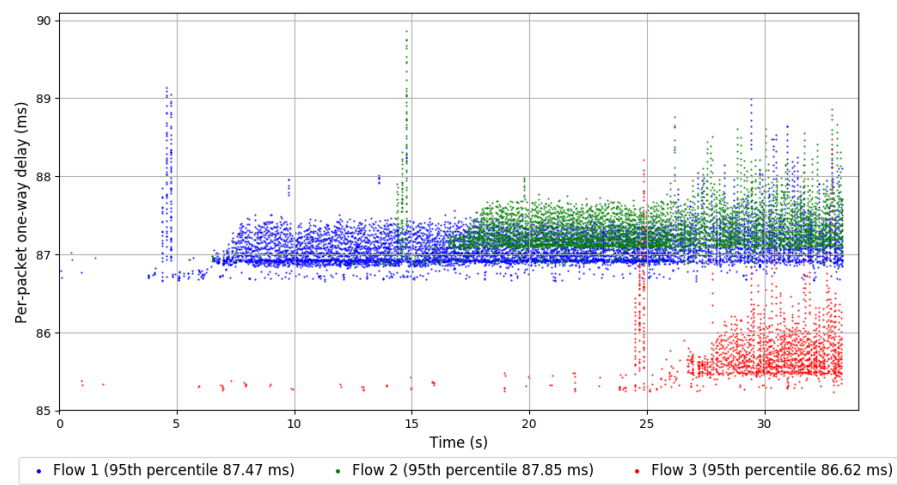
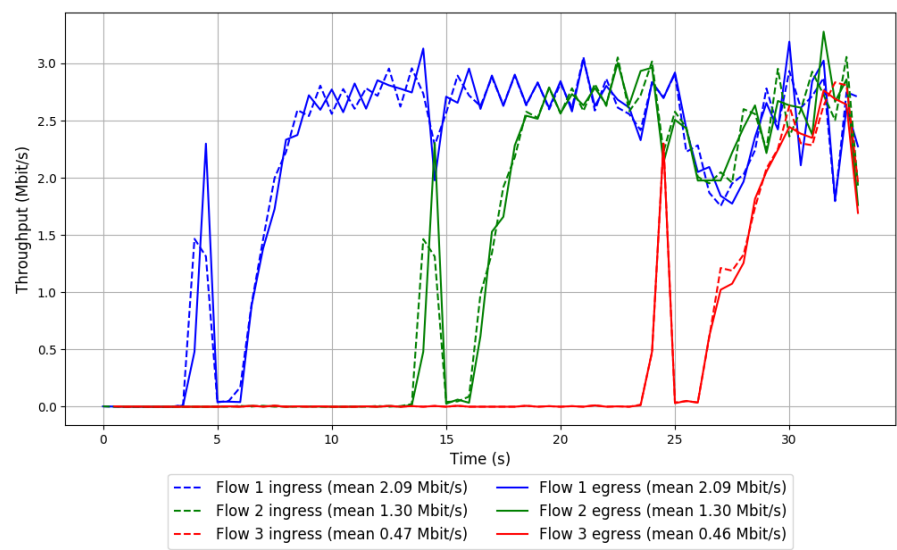


Run 3: Statistics of WebRTC media

Start at: 2018-01-31 22:30:05
End at: 2018-01-31 22:30:35
Local clock offset: 1.01 ms
Remote clock offset: -3.141 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 87.670 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 87.471 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 87.852 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 2.68%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-31 22:53:56

End at: 2018-01-31 22:54:26

Local clock offset: 1.011 ms

Remote clock offset: -0.91 ms

Below is generated by plot.py at 2018-02-01 05:36:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 81.763 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 80.494 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 81.914 ms

Loss rate: 0.76%

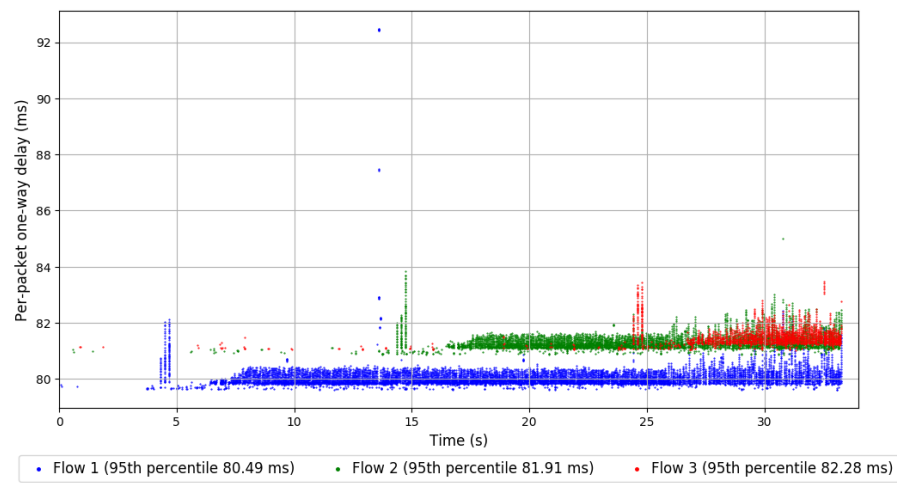
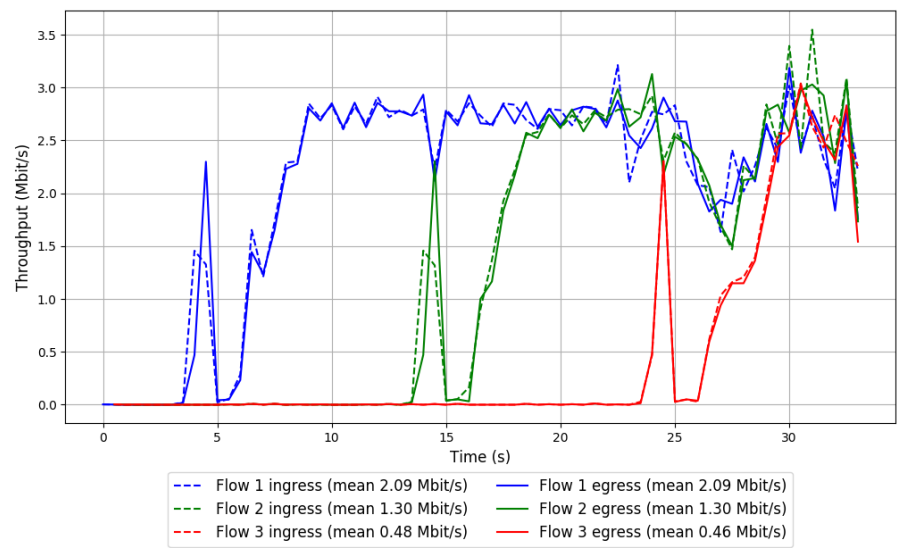
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 82.284 ms

Loss rate: 3.57%

Run 4: Report of WebRTC media — Data Link

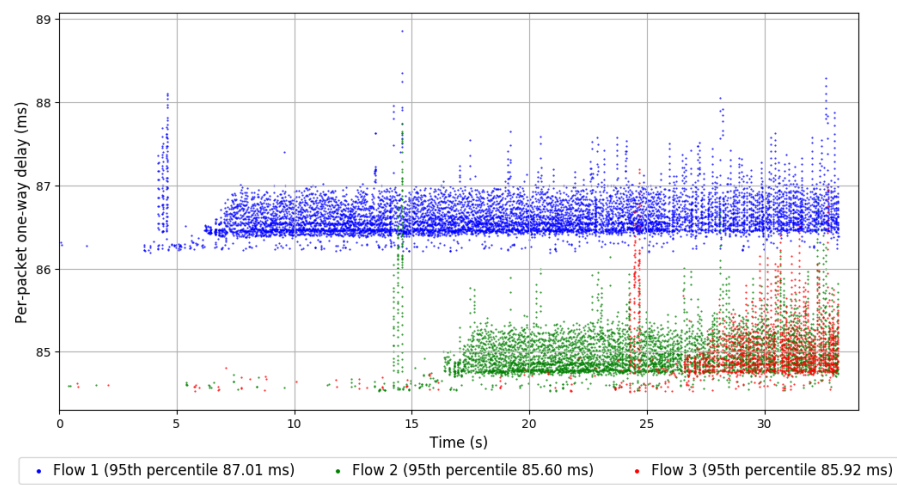
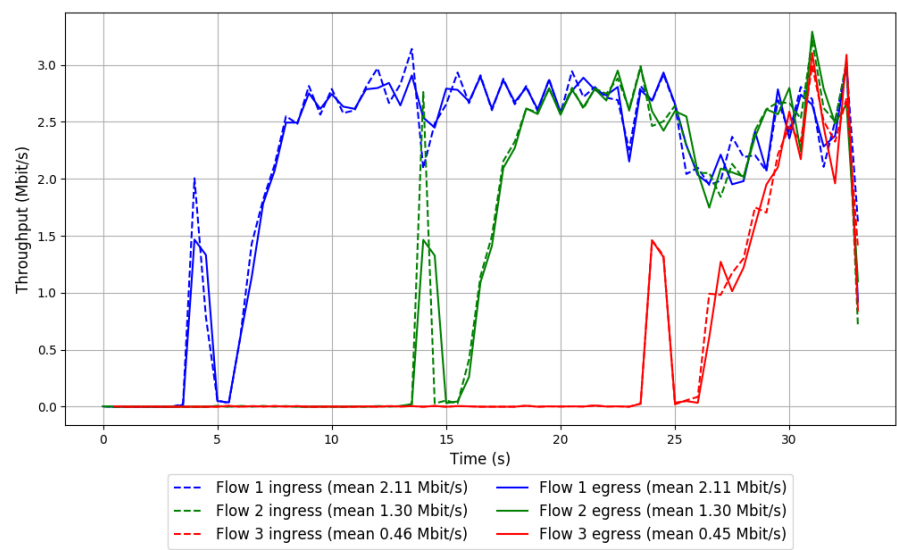


Run 5: Statistics of WebRTC media

Start at: 2018-01-31 23:17:44
End at: 2018-01-31 23:18:14
Local clock offset: 1.048 ms
Remote clock offset: -6.269 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 86.920 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 87.008 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 85.598 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 85.917 ms
Loss rate: 3.06%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-31 23:42:08

End at: 2018-01-31 23:42:38

Local clock offset: 0.924 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-02-01 05:36:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 82.894 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 81.160 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 83.194 ms

Loss rate: 0.43%

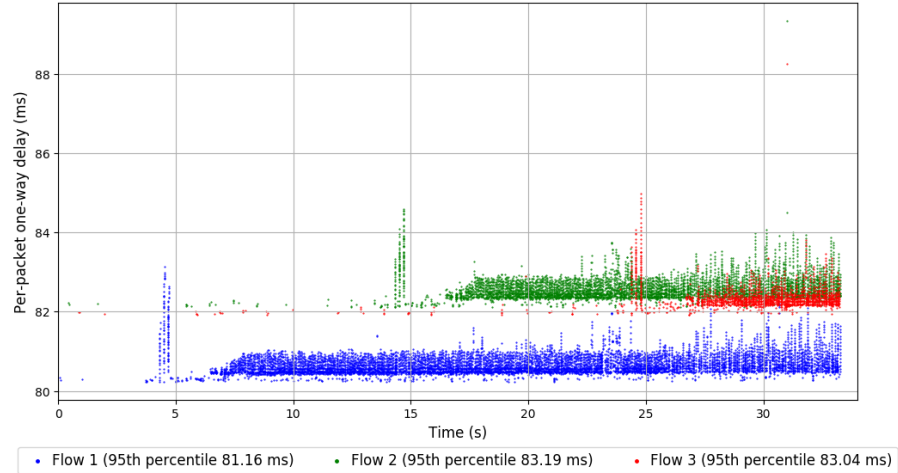
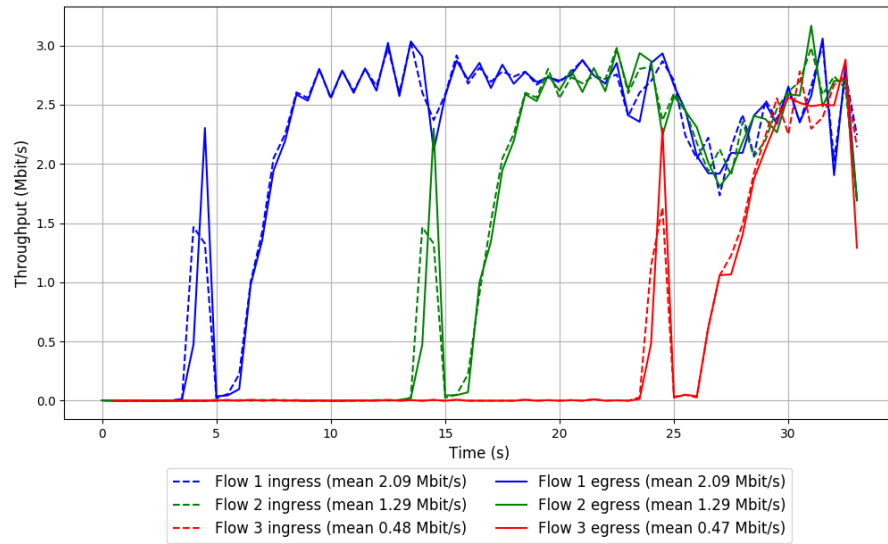
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 83.044 ms

Loss rate: 3.63%

Run 6: Report of WebRTC media — Data Link

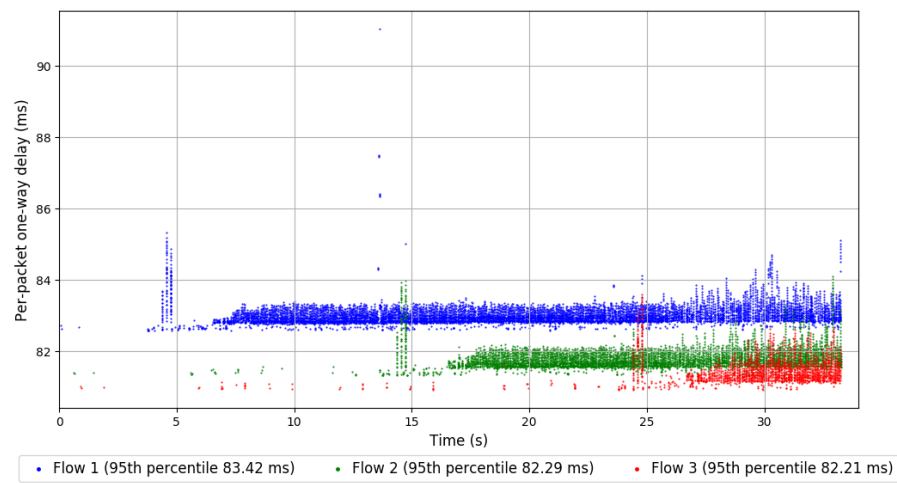
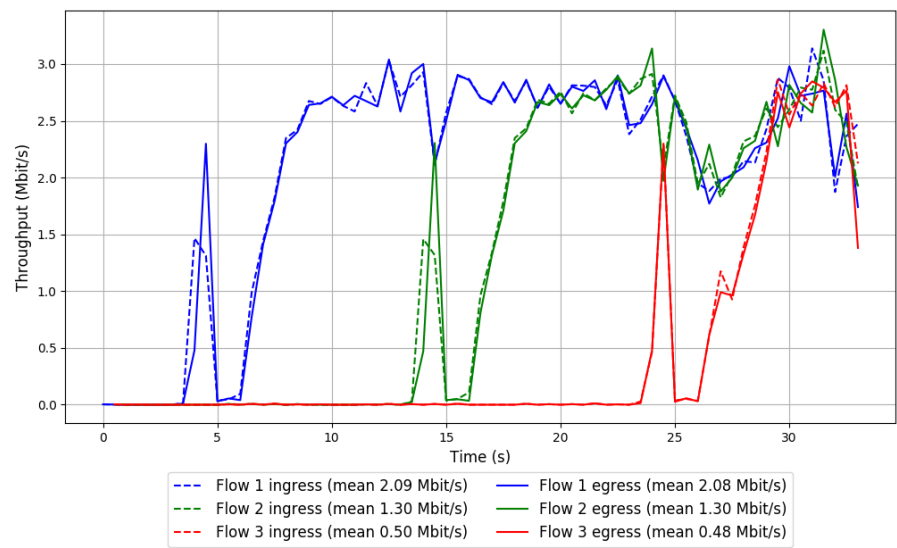


Run 7: Statistics of WebRTC media

Start at: 2018-02-01 00:06:11
End at: 2018-02-01 00:06:41
Local clock offset: 1.019 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 83.295 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 83.420 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 82.290 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 82.213 ms
Loss rate: 3.67%

Run 7: Report of WebRTC media — Data Link

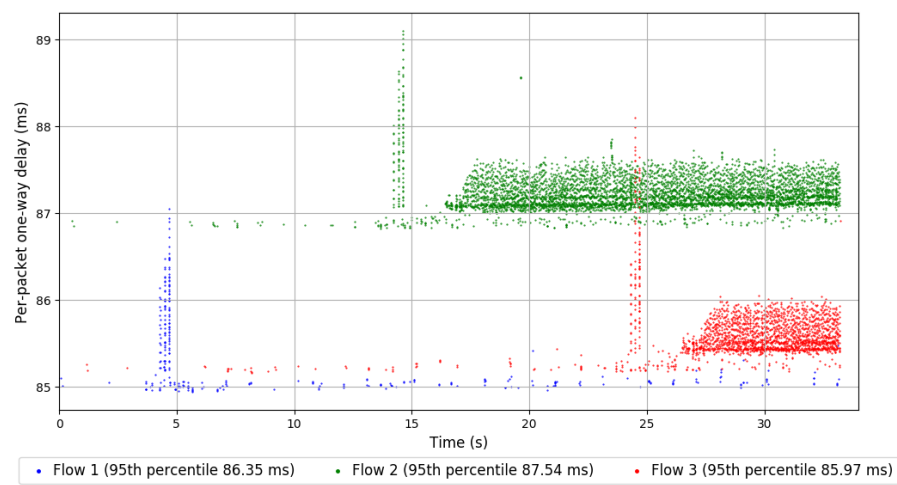
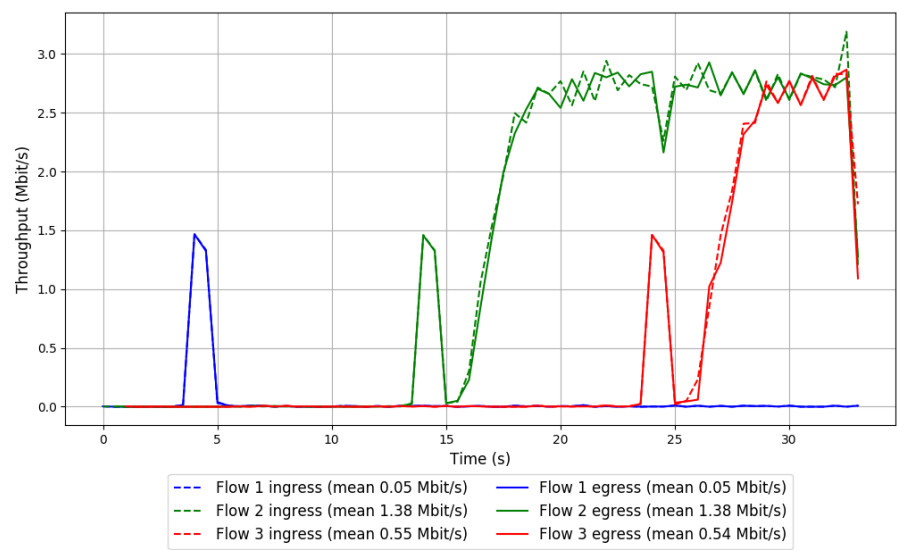


Run 8: Statistics of WebRTC media

Start at: 2018-02-01 00:30:05
End at: 2018-02-01 00:30:35
Local clock offset: 0.783 ms
Remote clock offset: -3.382 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 87.504 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 87.536 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 85.970 ms
Loss rate: 2.96%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-01 00:54:05

End at: 2018-02-01 00:54:35

Local clock offset: 0.564 ms

Remote clock offset: 3.326 ms

Below is generated by plot.py at 2018-02-01 05:36:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 81.277 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.200 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 81.254 ms

Loss rate: 0.90%

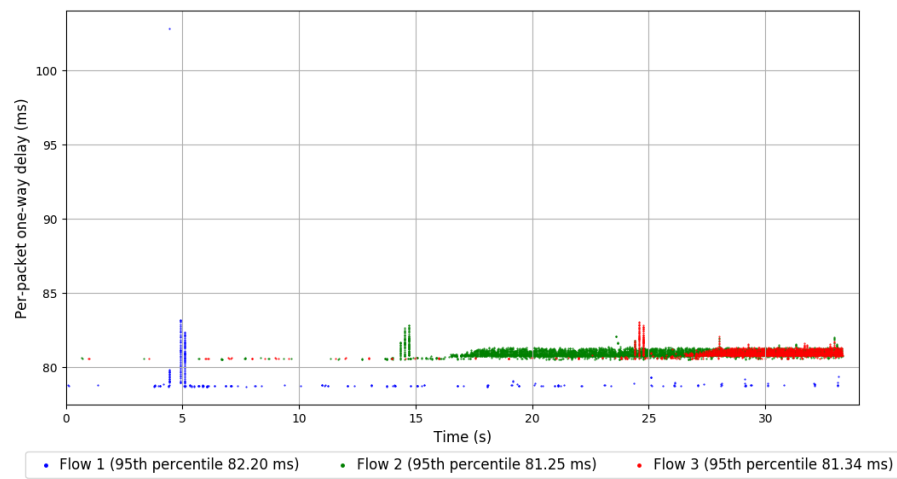
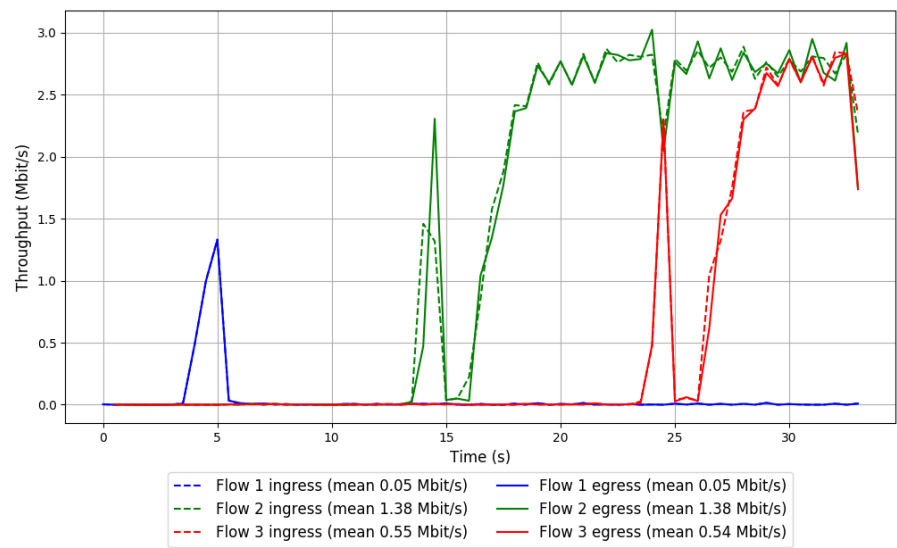
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 81.341 ms

Loss rate: 2.99%

Run 9: Report of WebRTC media — Data Link

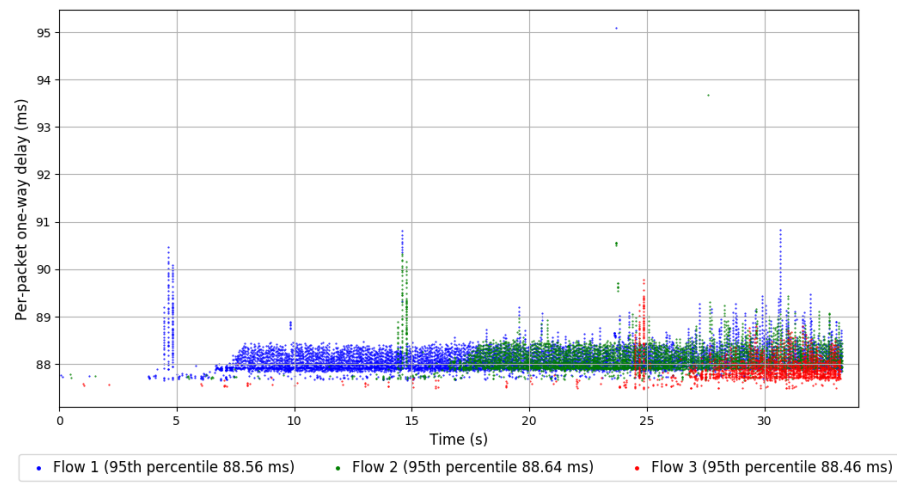
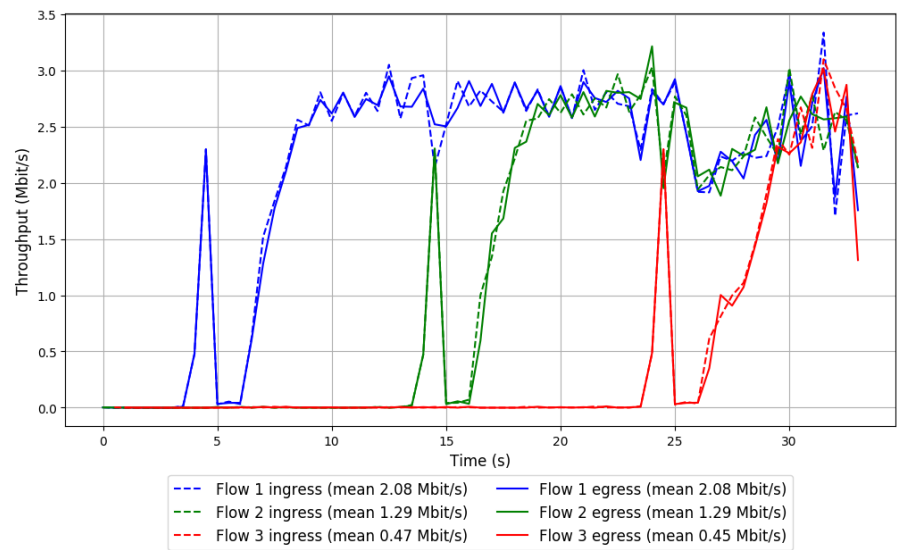


Run 10: Statistics of WebRTC media

Start at: 2018-02-01 01:18:04
End at: 2018-02-01 01:18:34
Local clock offset: 0.293 ms
Remote clock offset: -3.032 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 88.577 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 88.562 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 88.639 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 88.463 ms
Loss rate: 4.34%

Run 10: Report of WebRTC media — Data Link

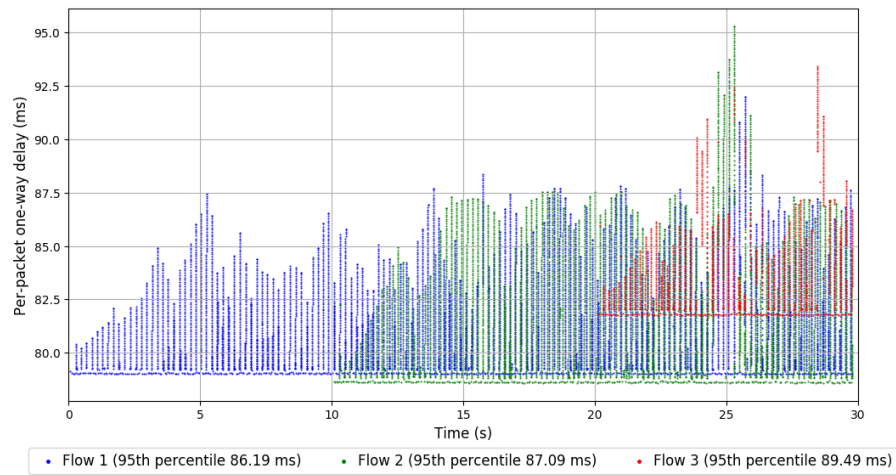
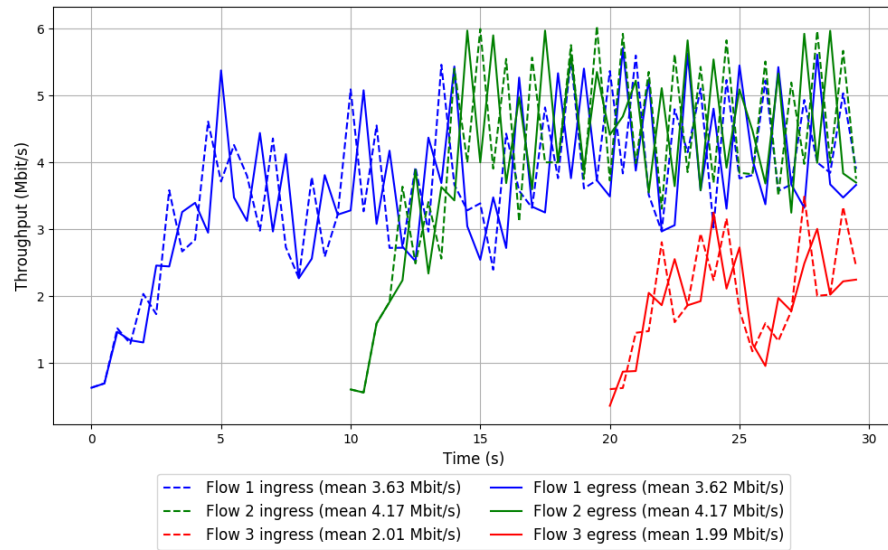


```
Run 1: Statistics of Sprout

Start at: 2018-01-31 21:31:31
End at: 2018-01-31 21:32:01
Local clock offset: 1.019 ms
Remote clock offset: 2.812 ms

# Below is generated by plot.py at 2018-02-01 05:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 86.834 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 86.193 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 87.089 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 89.490 ms
Loss rate: 3.30%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-01-31 21:55:28

End at: 2018-01-31 21:55:58

Local clock offset: 1.149 ms

Remote clock offset: 1.483 ms

Below is generated by plot.py at 2018-02-01 05:36:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 91.488 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 91.667 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 3.51 Mbit/s

95th percentile per-packet one-way delay: 91.693 ms

Loss rate: 1.07%

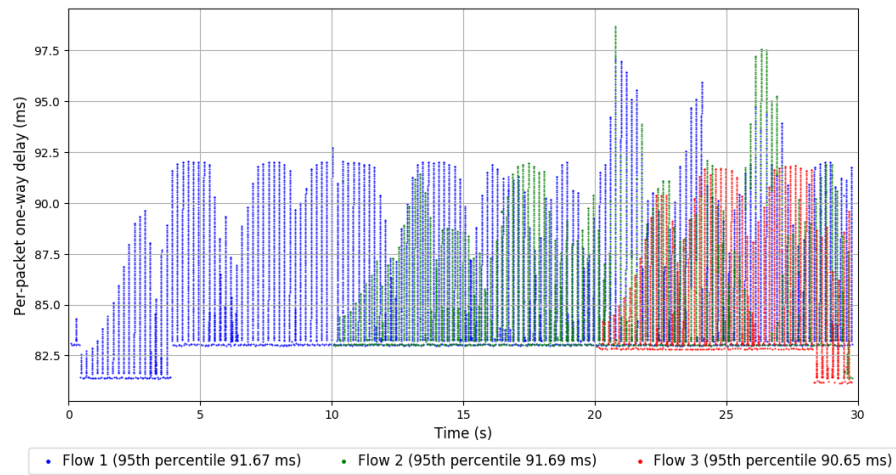
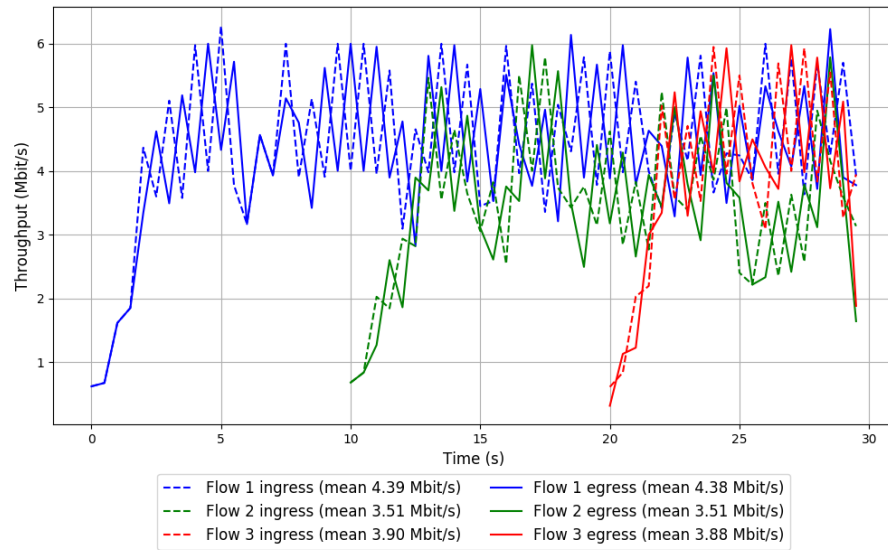
-- Flow 3:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 90.648 ms

Loss rate: 2.68%

Run 2: Report of Sprout — Data Link

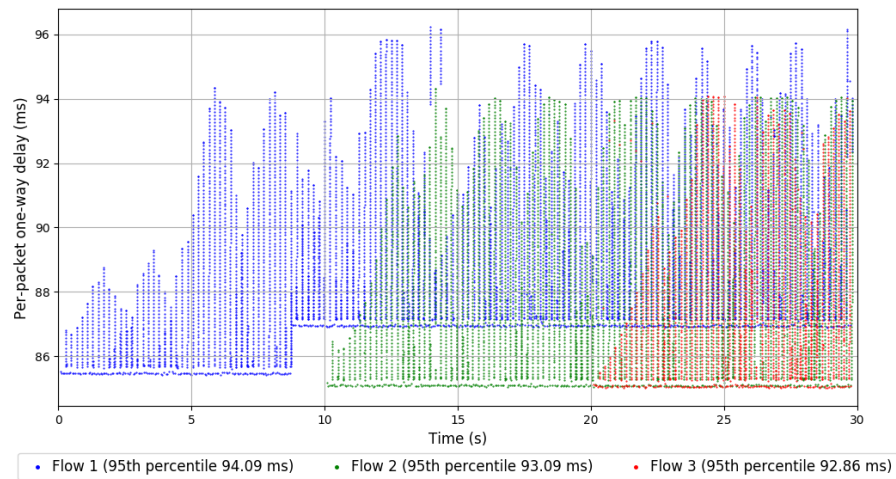
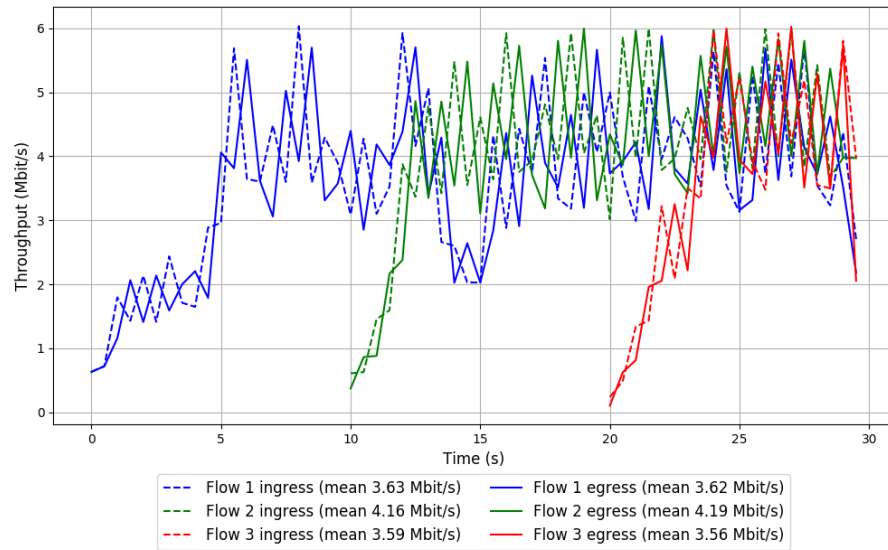


Run 3: Statistics of Sprout

Start at: 2018-01-31 22:19:28
End at: 2018-01-31 22:19:58
Local clock offset: 1.076 ms
Remote clock offset: -2.927 ms

```
# Below is generated by plot.py at 2018-02-01 05:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 93.518 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 94.091 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 93.088 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 92.862 ms
Loss rate: 2.83%
```


Run 3: Report of Sprout — Data Link

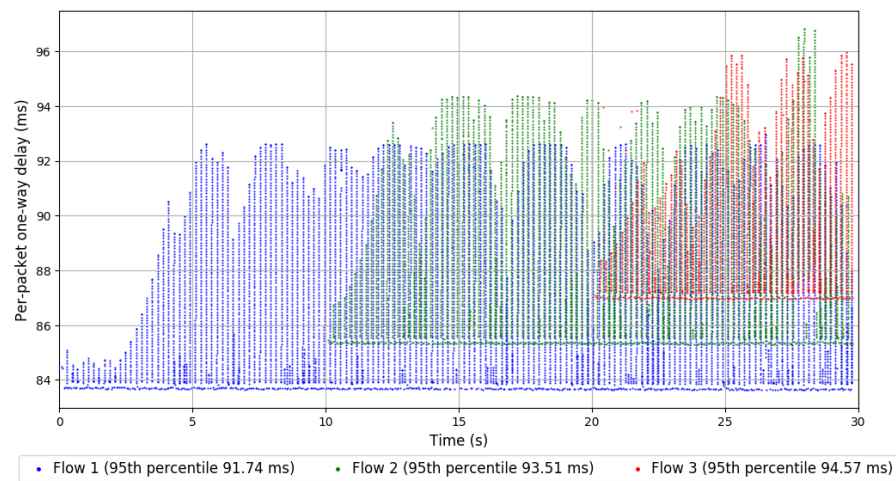
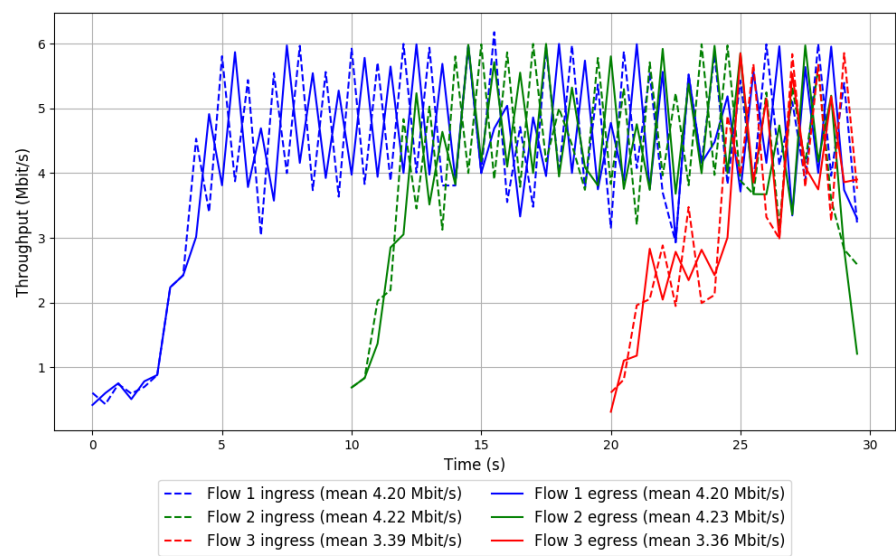


Run 4: Statistics of Sprout

Start at: 2018-01-31 22:43:19
End at: 2018-01-31 22:43:49
Local clock offset: 1.059 ms
Remote clock offset: -4.022 ms

```
# Below is generated by plot.py at 2018-02-01 05:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 92.962 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 91.744 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 93.507 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 94.566 ms
Loss rate: 2.77%
```

Run 4: Report of Sprout — Data Link

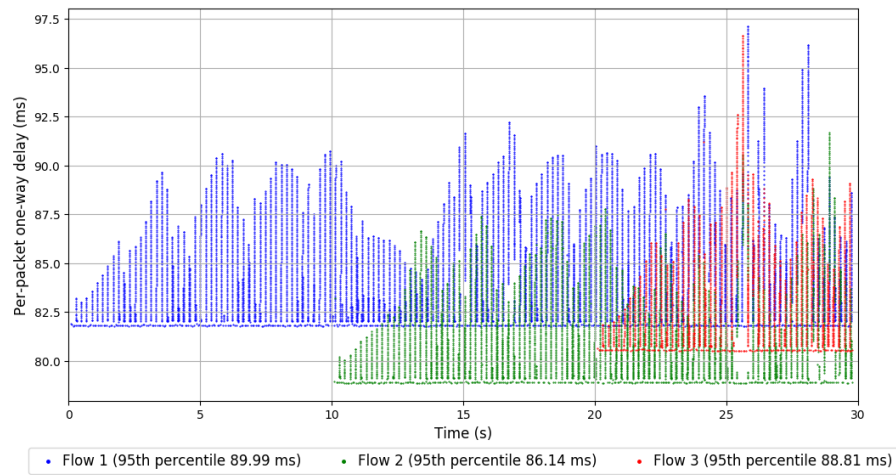
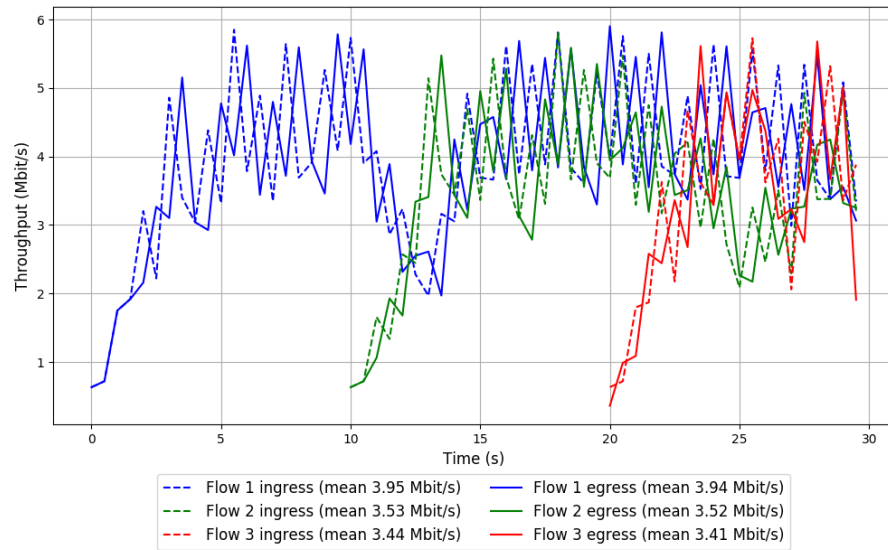


Run 5: Statistics of Sprout

Start at: 2018-01-31 23:07:08
End at: 2018-01-31 23:07:38
Local clock offset: 1.02 ms
Remote clock offset: -0.688 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 89.311 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 89.989 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 86.143 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 88.811 ms
Loss rate: 2.91%

Run 5: Report of Sprout — Data Link

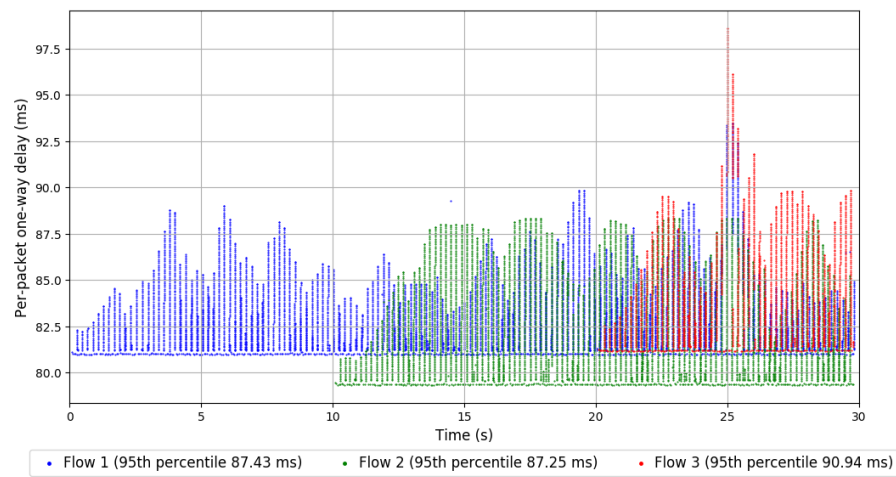
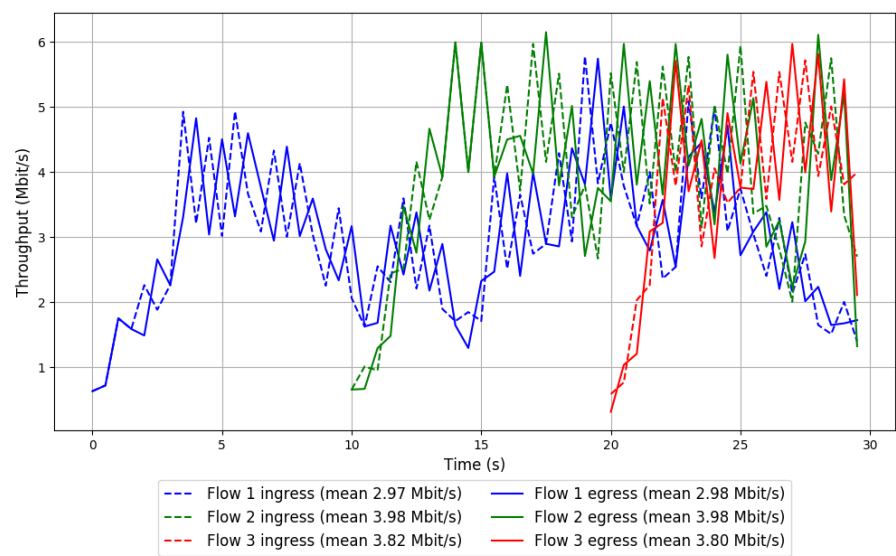


Run 6: Statistics of Sprout

Start at: 2018-01-31 23:31:27
End at: 2018-01-31 23:31:57
Local clock offset: 1.0 ms
Remote clock offset: -1.474 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 87.903 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 87.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 87.250 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 90.936 ms
Loss rate: 2.50%

Run 6: Report of Sprout — Data Link

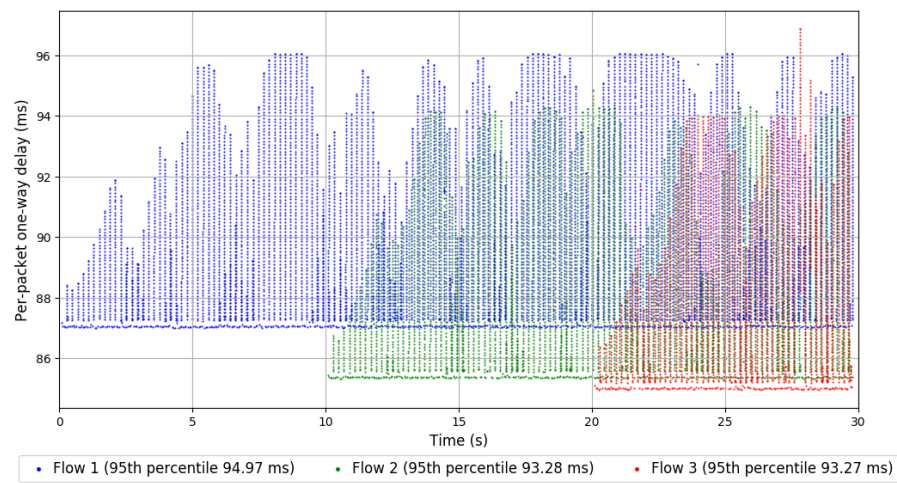
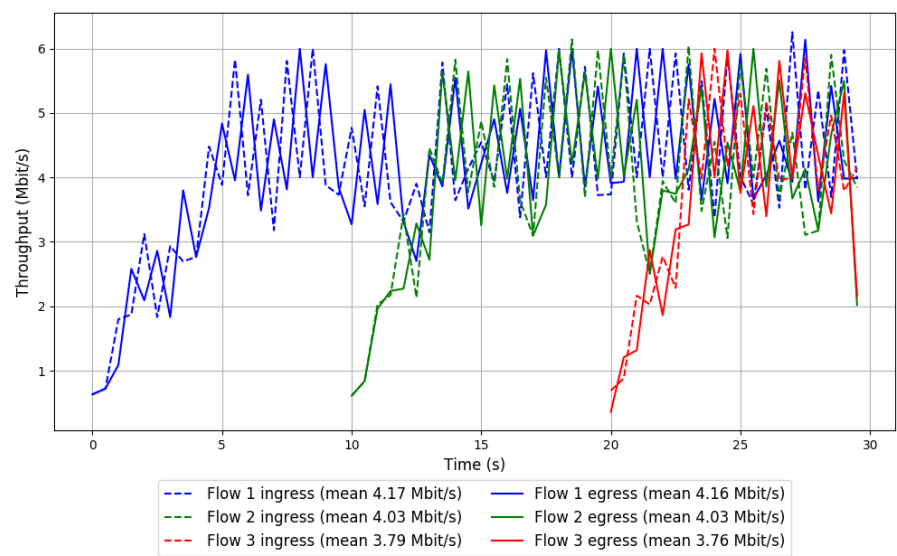


Run 7: Statistics of Sprout

Start at: 2018-01-31 23:55:26
End at: 2018-01-31 23:55:56
Local clock offset: 1.01 ms
Remote clock offset: -4.66 ms

Below is generated by plot.py at 2018-02-01 05:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 94.325 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 94.973 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 93.281 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 93.268 ms
Loss rate: 2.67%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-01 00:19:26

End at: 2018-02-01 00:19:56

Local clock offset: 0.9 ms

Remote clock offset: 1.044 ms

Below is generated by plot.py at 2018-02-01 05:36:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 89.761 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 89.439 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 90.538 ms

Loss rate: 1.22%

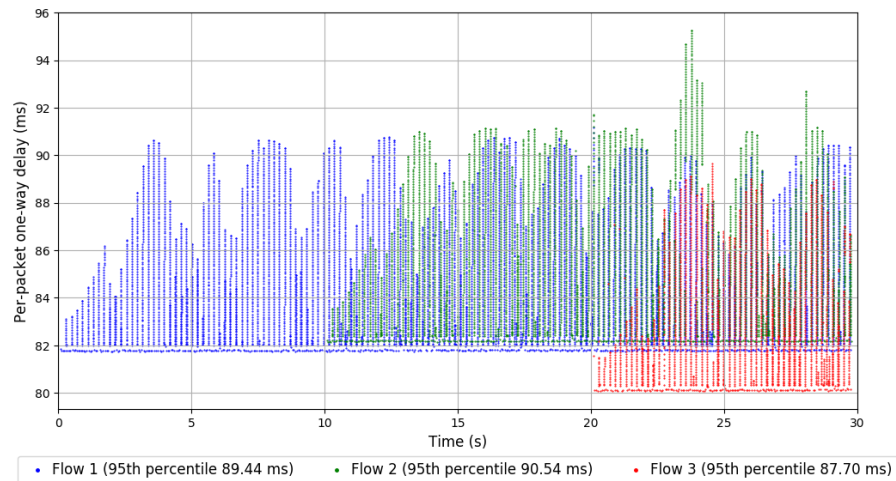
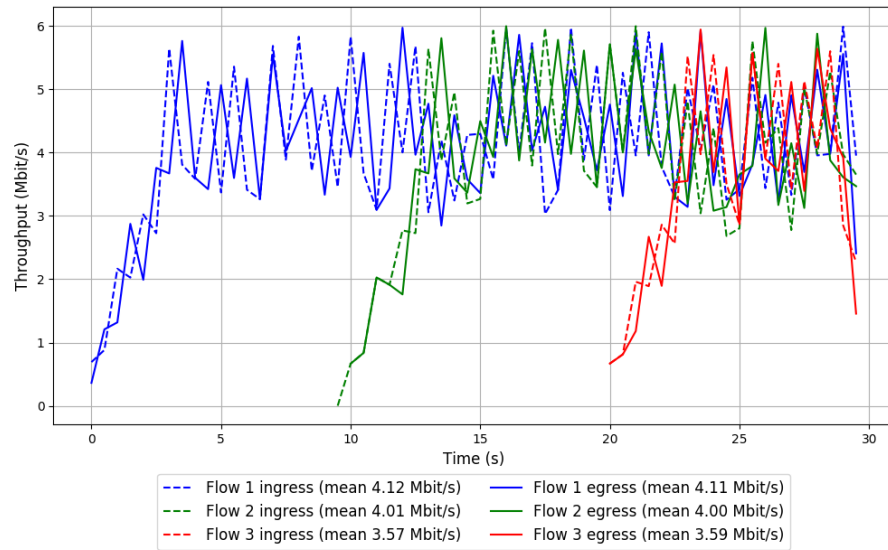
-- Flow 3:

Average throughput: 3.59 Mbit/s

95th percentile per-packet one-way delay: 87.703 ms

Loss rate: 1.60%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-02-01 00:43:26

End at: 2018-02-01 00:43:56

Local clock offset: 0.676 ms

Remote clock offset: 1.761 ms

Below is generated by plot.py at 2018-02-01 05:36:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.44 Mbit/s

95th percentile per-packet one-way delay: 90.690 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 90.928 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 90.577 ms

Loss rate: 1.09%

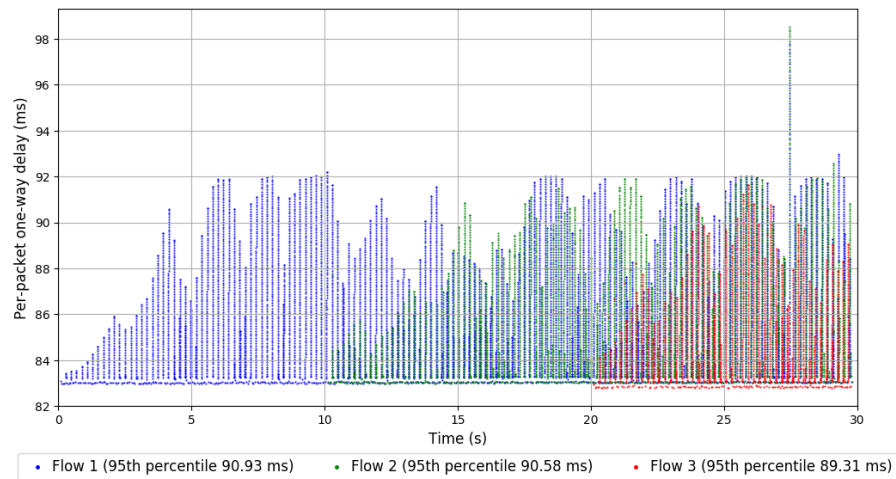
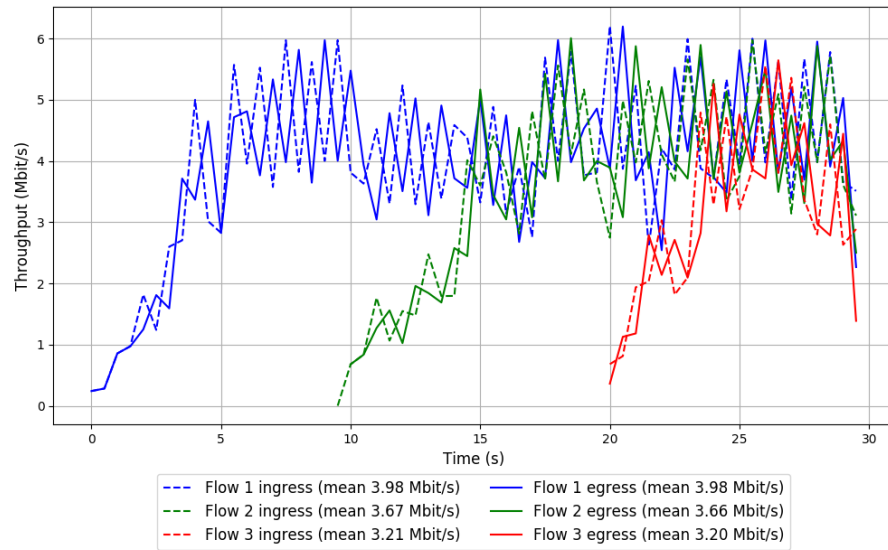
-- Flow 3:

Average throughput: 3.20 Mbit/s

95th percentile per-packet one-way delay: 89.307 ms

Loss rate: 2.37%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-02-01 01:07:21

End at: 2018-02-01 01:07:51

Local clock offset: 0.418 ms

Remote clock offset: 3.046 ms

Below is generated by plot.py at 2018-02-01 05:36:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 88.501 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 3.68 Mbit/s

95th percentile per-packet one-way delay: 87.209 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 89.053 ms

Loss rate: 0.94%

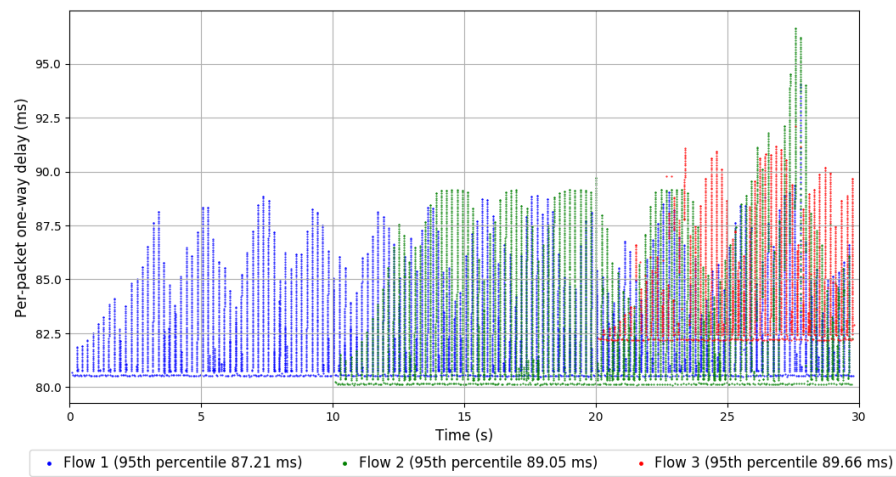
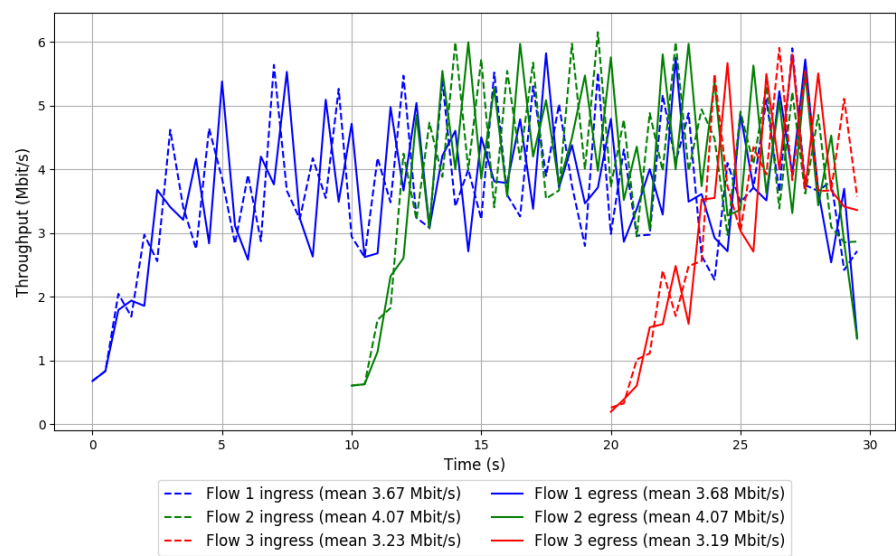
-- Flow 3:

Average throughput: 3.19 Mbit/s

95th percentile per-packet one-way delay: 89.662 ms

Loss rate: 2.99%

Run 10: Report of Sprout — Data Link

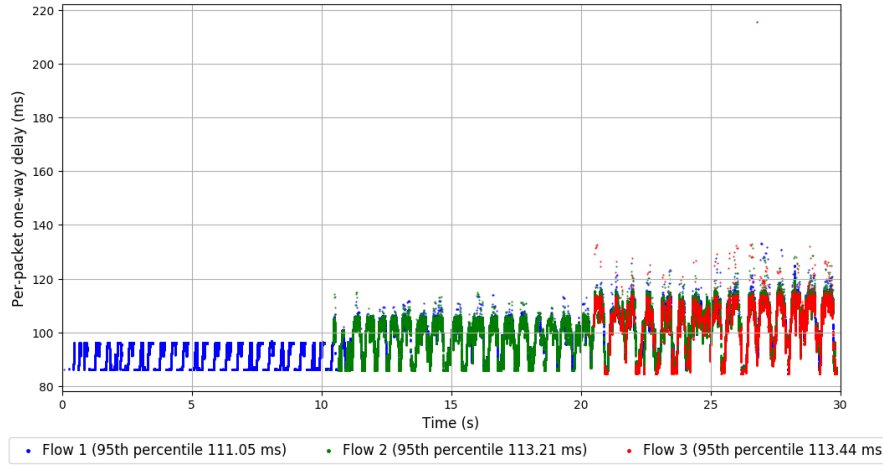
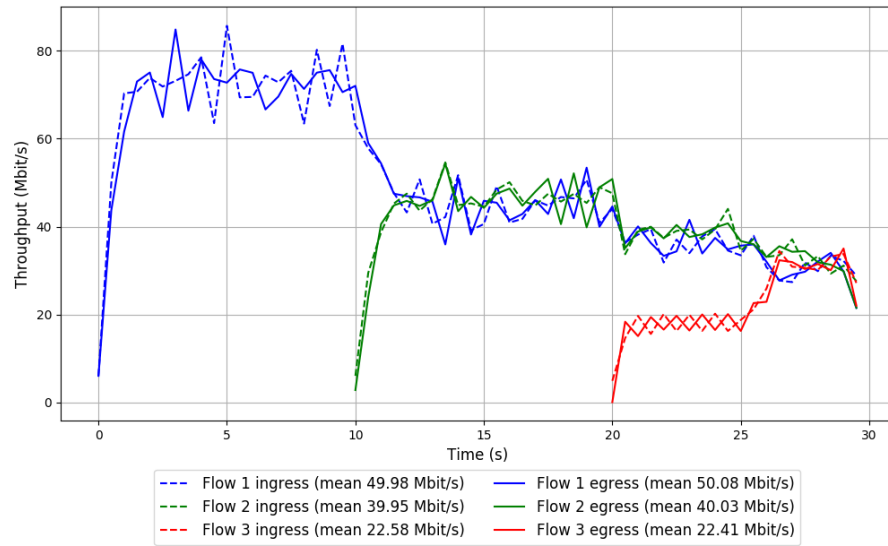


Run 1: Statistics of TaoVA-100x

Start at: 2018-01-31 21:48:38
End at: 2018-01-31 21:49:08
Local clock offset: 1.072 ms
Remote clock offset: -3.164 ms

Below is generated by plot.py at 2018-02-01 05:38:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 112.646 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 111.046 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 113.211 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: 113.438 ms
Loss rate: 2.84%

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

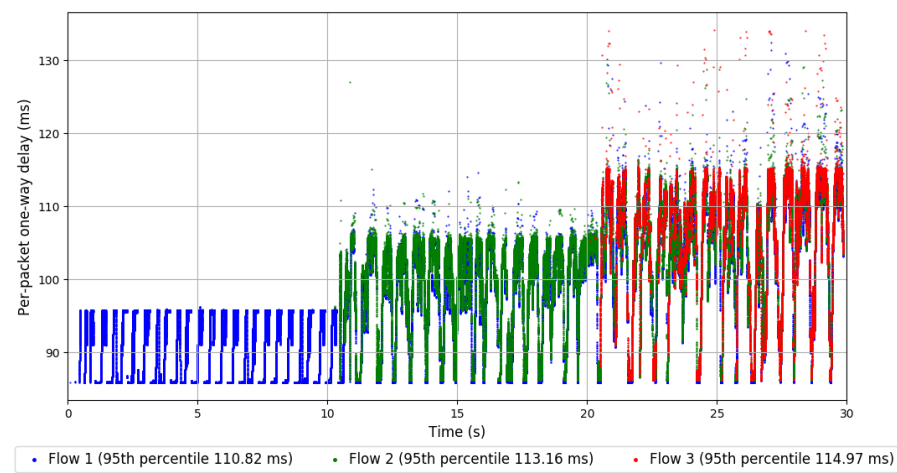
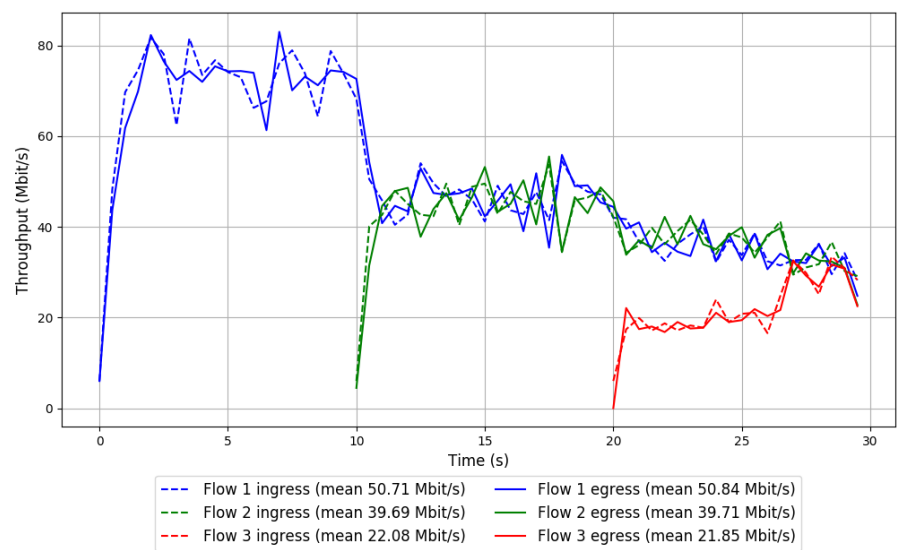


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-31 22:12:46
End at: 2018-01-31 22:13:16
Local clock offset: 1.021 ms
Remote clock offset: -3.654 ms

Below is generated by plot.py at 2018-02-01 05:38:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.35 Mbit/s
95th percentile per-packet one-way delay: 112.876 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 50.84 Mbit/s
95th percentile per-packet one-way delay: 110.818 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 113.164 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 114.973 ms
Loss rate: 3.03%

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

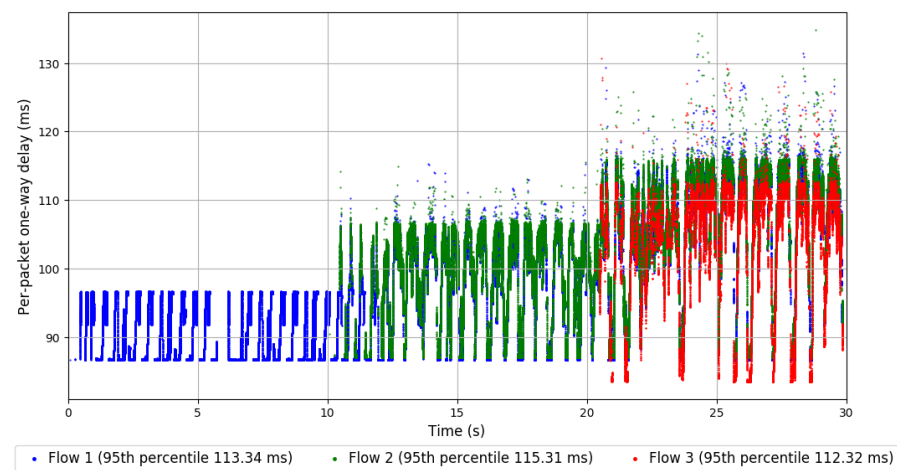
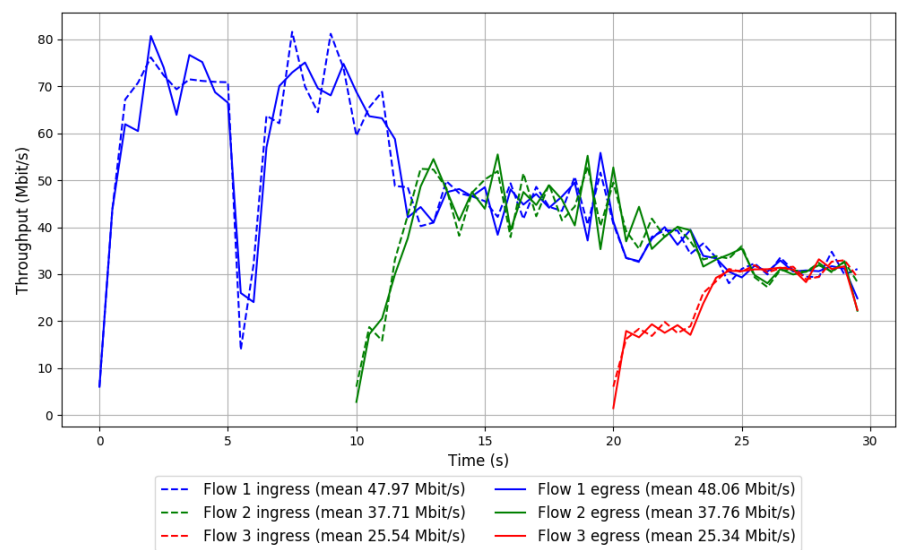


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-31 22:36:38
End at: 2018-01-31 22:37:08
Local clock offset: 1.064 ms
Remote clock offset: -3.319 ms

Below is generated by plot.py at 2018-02-01 05:38:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 114.020 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 113.343 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 115.314 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 112.321 ms
Loss rate: 2.71%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-01-31 23:00:27

End at: 2018-01-31 23:00:57

Local clock offset: 1.036 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-02-01 05:38:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.90 Mbit/s

95th percentile per-packet one-way delay: 108.376 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 106.080 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 109.299 ms

Loss rate: 0.98%

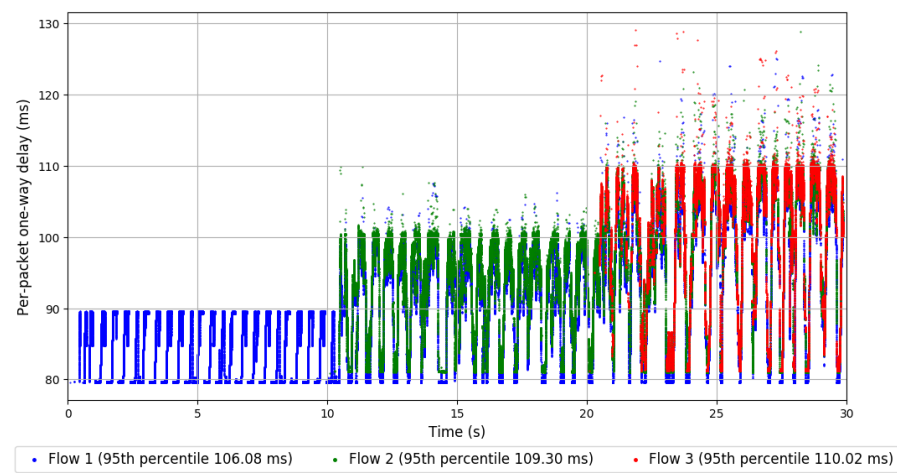
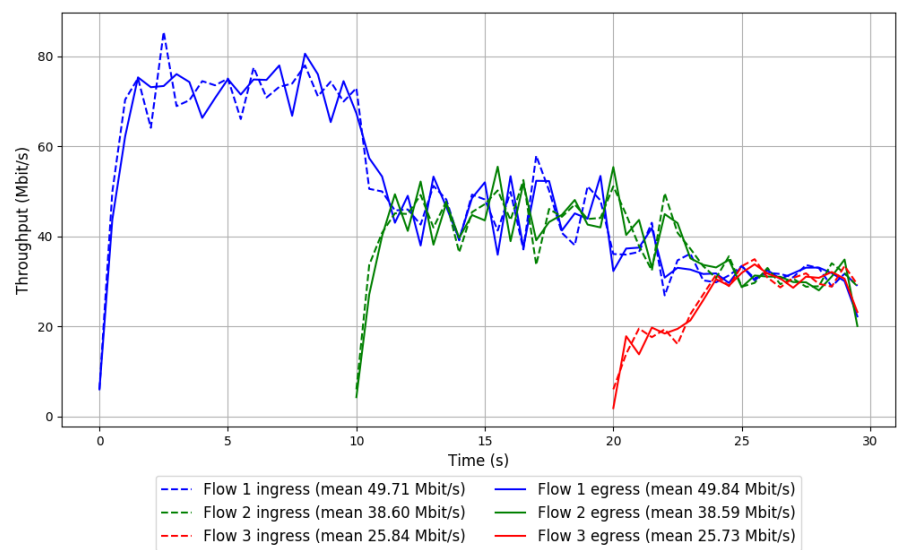
-- Flow 3:

Average throughput: 25.73 Mbit/s

95th percentile per-packet one-way delay: 110.022 ms

Loss rate: 2.33%

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

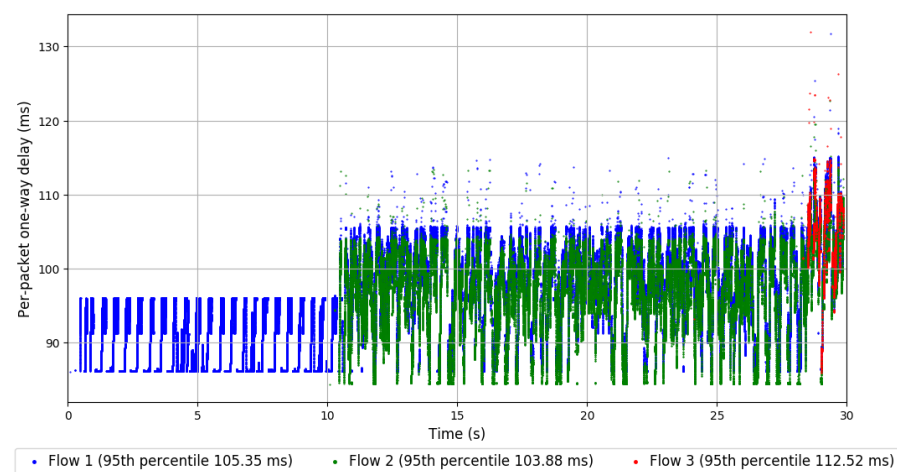
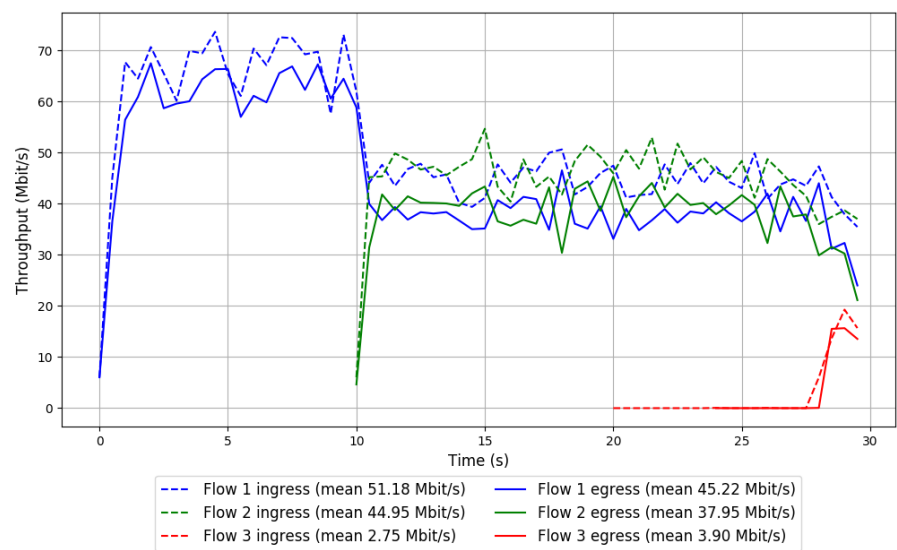


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-31 23:24:28
End at: 2018-01-31 23:24:58
Local clock offset: 1.007 ms
Remote clock offset: -6.272 ms

Below is generated by plot.py at 2018-02-01 05:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.15 Mbit/s
95th percentile per-packet one-way delay: 105.248 ms
Loss rate: 13.83%
-- Flow 1:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 105.352 ms
Loss rate: 12.27%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 103.877 ms
Loss rate: 16.35%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 112.523 ms
Loss rate: 18.23%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-01-31 23:48:42

End at: 2018-01-31 23:49:12

Local clock offset: 1.016 ms

Remote clock offset: 0.866 ms

Below is generated by plot.py at 2018-02-01 05:38:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.91 Mbit/s

95th percentile per-packet one-way delay: 106.895 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 49.59 Mbit/s

95th percentile per-packet one-way delay: 106.232 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 38.95 Mbit/s

95th percentile per-packet one-way delay: 106.104 ms

Loss rate: 0.85%

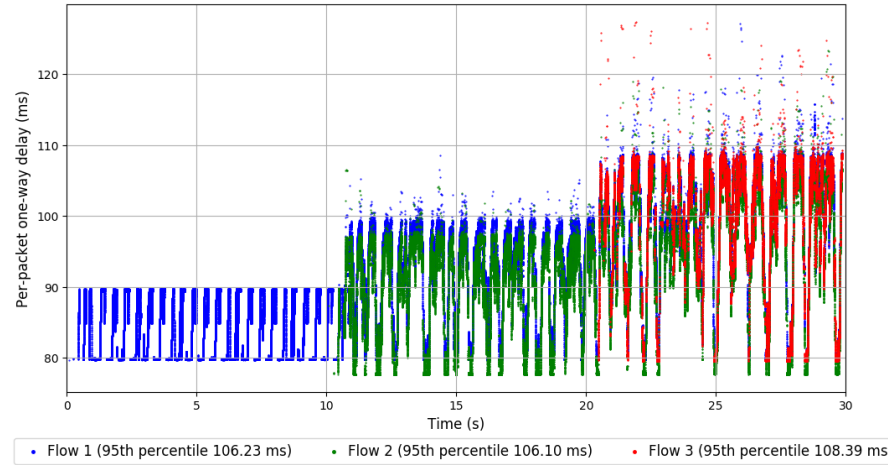
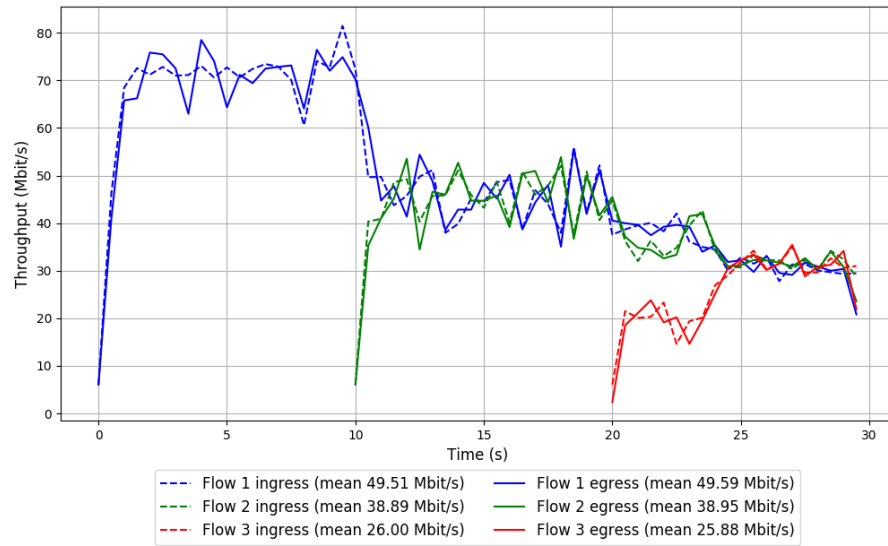
-- Flow 3:

Average throughput: 25.88 Mbit/s

95th percentile per-packet one-way delay: 108.387 ms

Loss rate: 2.47%

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

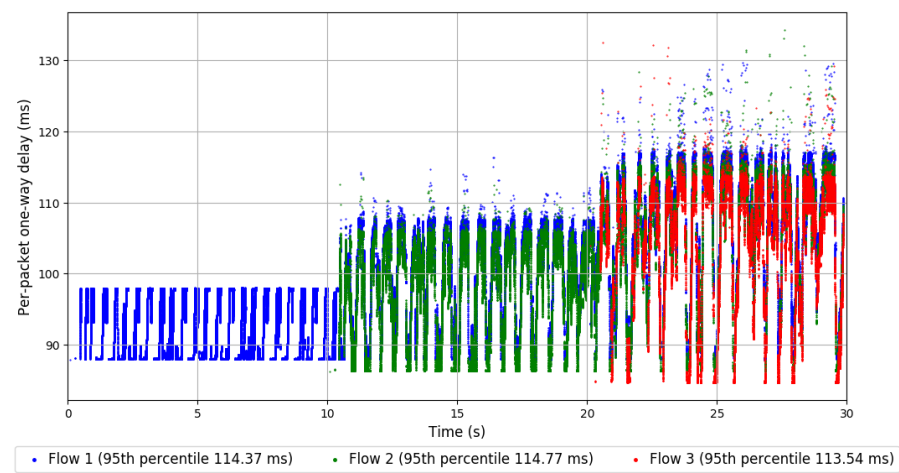
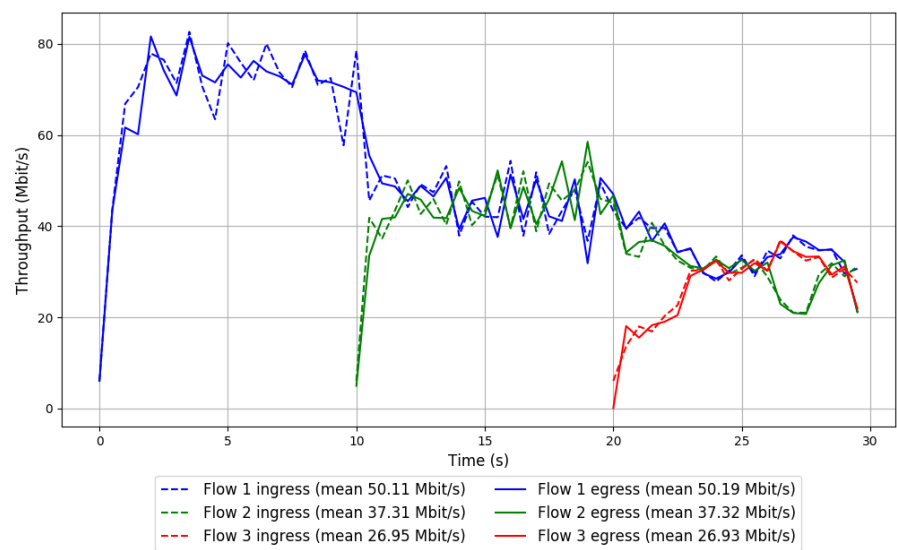


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-01 00:12:43
End at: 2018-02-01 00:13:13
Local clock offset: 0.96 ms
Remote clock offset: -4.961 ms

Below is generated by plot.py at 2018-02-01 05:38:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 114.297 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 50.19 Mbit/s
95th percentile per-packet one-way delay: 114.371 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 114.769 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 26.93 Mbit/s
95th percentile per-packet one-way delay: 113.539 ms
Loss rate: 2.12%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-01 00:36:41

End at: 2018-02-01 00:37:12

Local clock offset: 0.779 ms

Remote clock offset: 2.091 ms

Below is generated by plot.py at 2018-02-01 05:38:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 104.746 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 51.35 Mbit/s

95th percentile per-packet one-way delay: 103.071 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 39.51 Mbit/s

95th percentile per-packet one-way delay: 104.443 ms

Loss rate: 0.98%

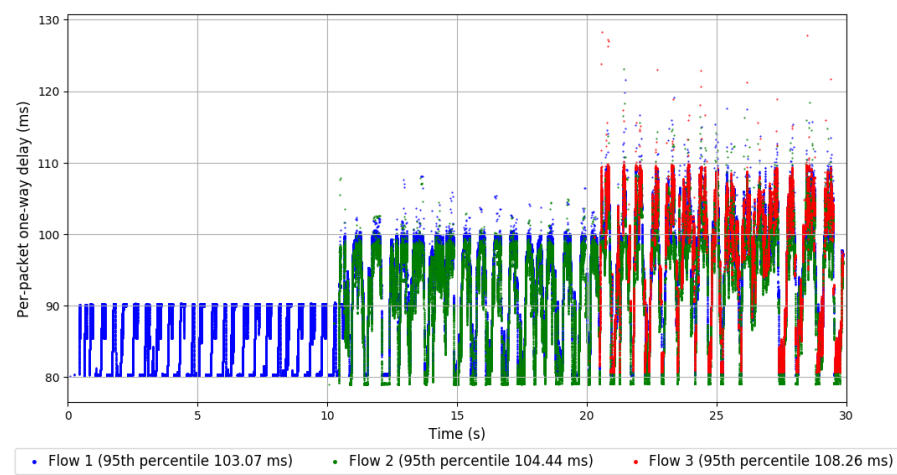
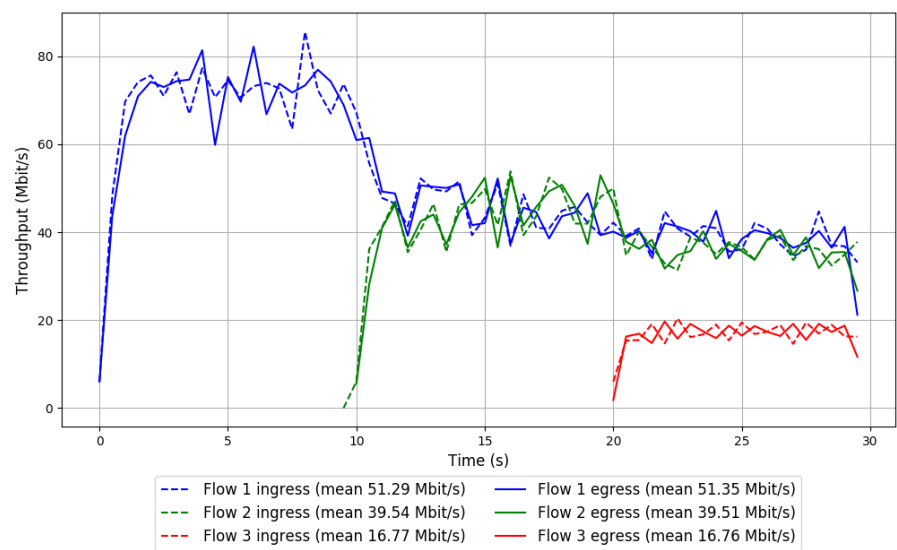
-- Flow 3:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: 108.261 ms

Loss rate: 1.93%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-01 01:00:38

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

Local clock offset: 0.517 ms

Remote clock offset: 4.193 ms

Below is generated by plot.py at 2018-02-01 05:40:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 103.698 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 51.02 Mbit/s

95th percentile per-packet one-way delay: 102.685 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 102.867 ms

Loss rate: 0.88%

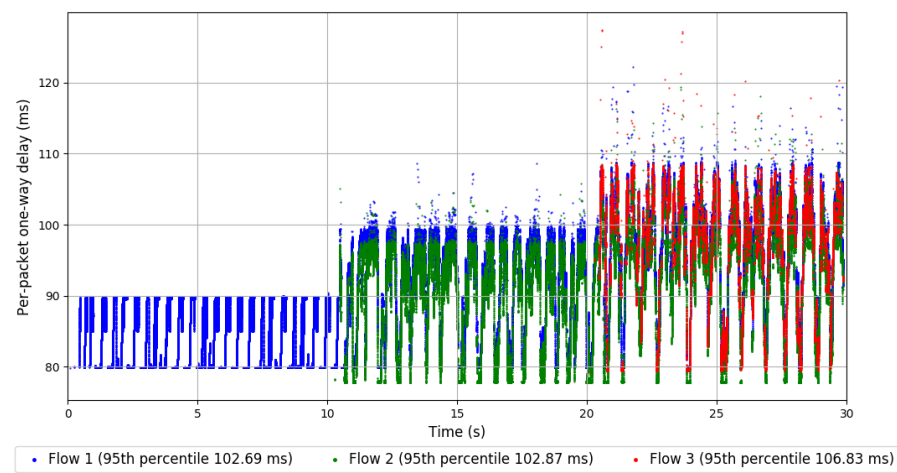
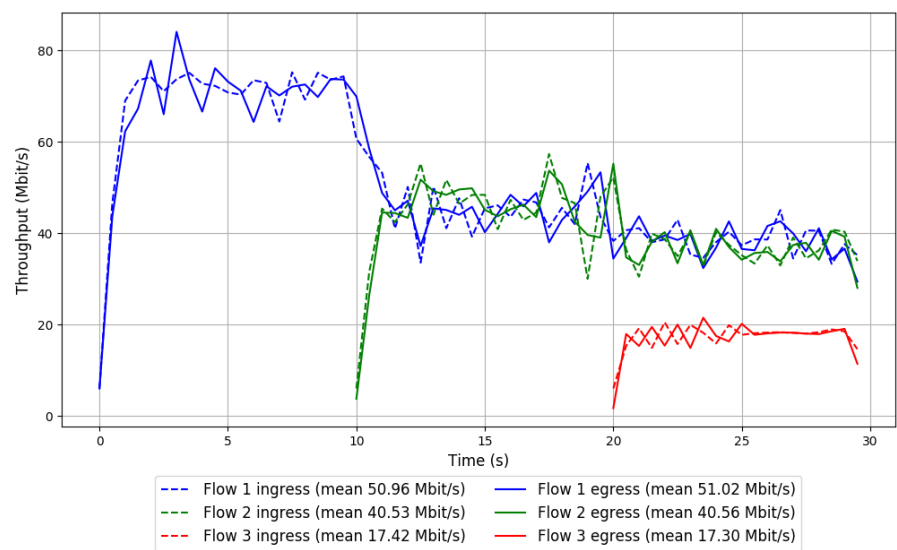
-- Flow 3:

Average throughput: 17.30 Mbit/s

95th percentile per-packet one-way delay: 106.825 ms

Loss rate: 2.06%

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

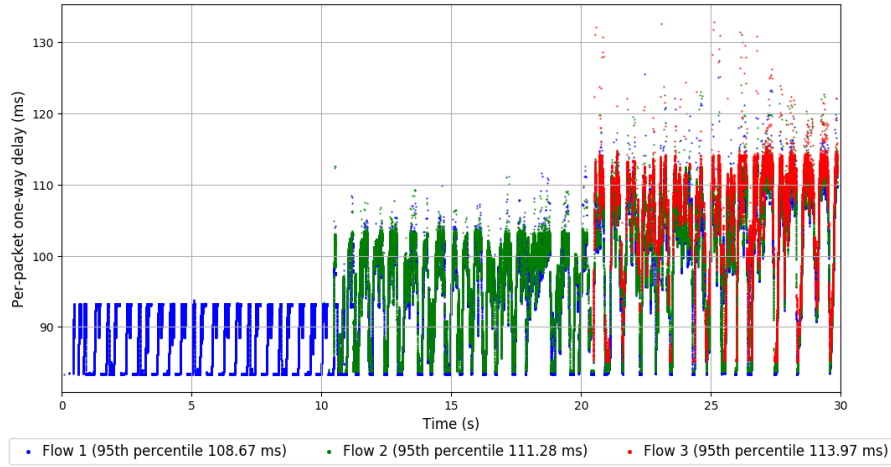
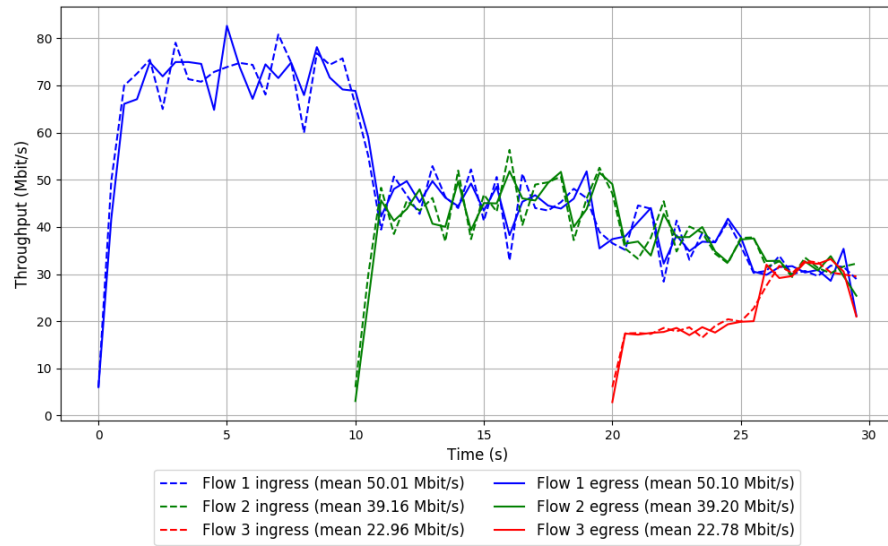


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-01 01:24:41
End at: 2018-02-01 01:25:11
Local clock offset: 0.185 ms
Remote clock offset: -2.307 ms

Below is generated by plot.py at 2018-02-01 05:40:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.57 Mbit/s
95th percentile per-packet one-way delay: 111.321 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 108.675 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 111.278 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 22.78 Mbit/s
95th percentile per-packet one-way delay: 113.967 ms
Loss rate: 2.76%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-31 21:51:20

End at: 2018-01-31 21:51:50

Local clock offset: 1.128 ms

Remote clock offset: 1.607 ms

Below is generated by plot.py at 2018-02-01 05:40:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.56 Mbit/s

95th percentile per-packet one-way delay: 99.392 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 41.26 Mbit/s

95th percentile per-packet one-way delay: 98.752 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 46.20 Mbit/s

95th percentile per-packet one-way delay: 99.883 ms

Loss rate: 0.96%

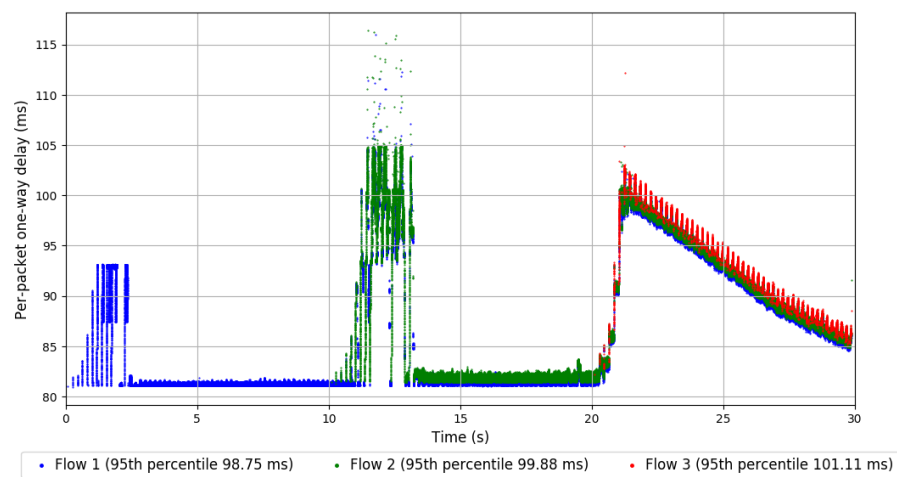
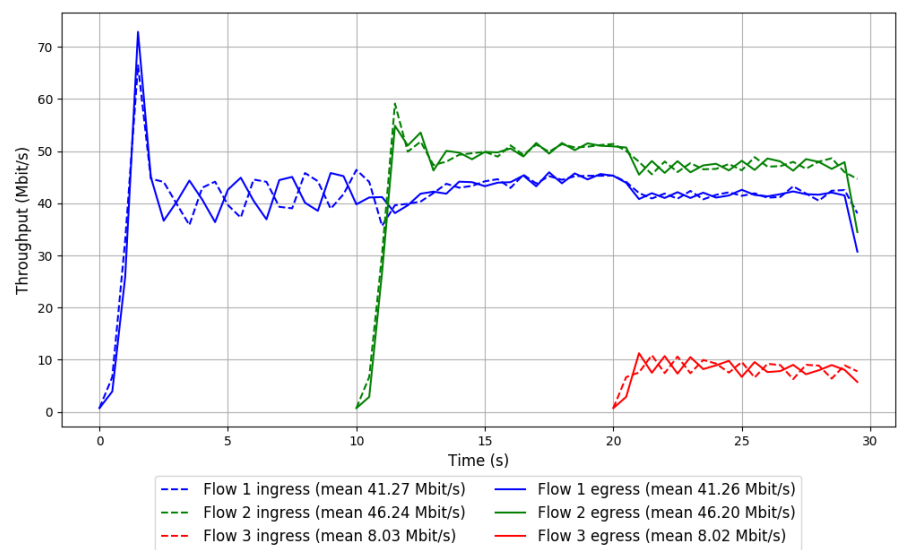
-- Flow 3:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 101.115 ms

Loss rate: 1.94%

Run 1: Report of TCP Vegas — Data Link

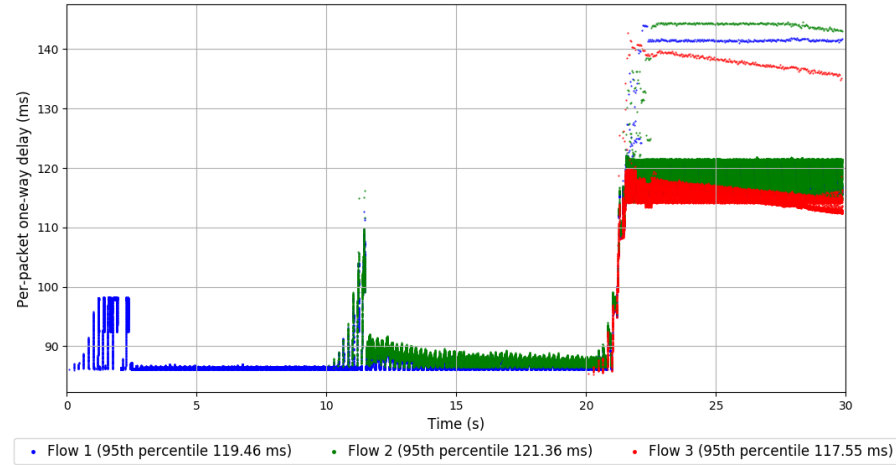
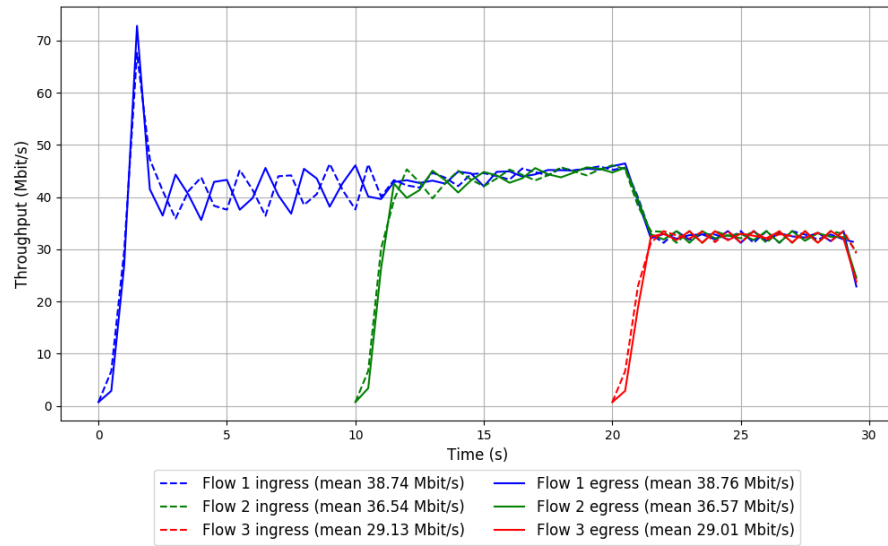


Run 2: Statistics of TCP Vegas

Start at: 2018-01-31 22:15:28
End at: 2018-01-31 22:15:58
Local clock offset: 1.009 ms
Remote clock offset: -3.825 ms

Below is generated by plot.py at 2018-02-01 05:40:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.54 Mbit/s
95th percentile per-packet one-way delay: 120.912 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 119.456 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 121.362 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 117.548 ms
Loss rate: 2.35%

Run 2: Report of TCP Vegas — Data Link

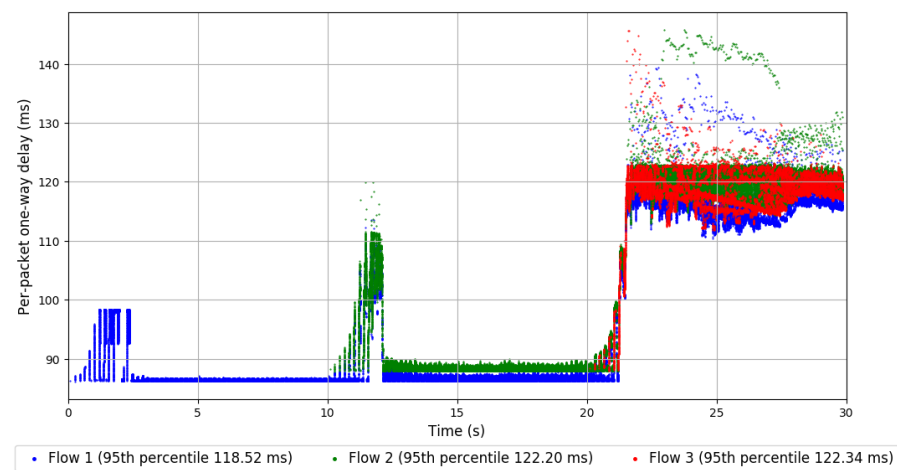
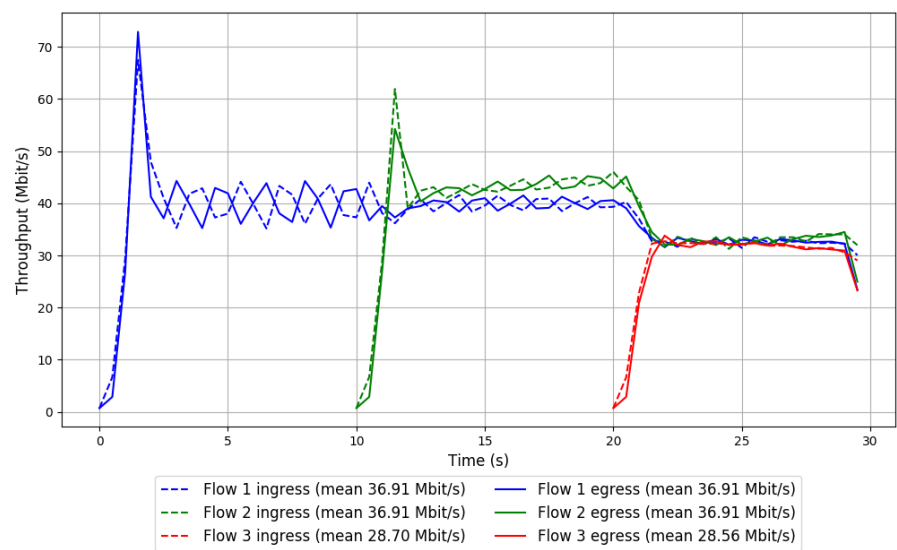


Run 3: Statistics of TCP Vegas

Start at: 2018-01-31 22:39:20
End at: 2018-01-31 22:39:50
Local clock offset: 1.032 ms
Remote clock offset: -4.492 ms

Below is generated by plot.py at 2018-02-01 05:40:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.76 Mbit/s
95th percentile per-packet one-way delay: 121.486 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 118.522 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 122.199 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 122.339 ms
Loss rate: 2.34%

Run 3: Report of TCP Vegas — Data Link

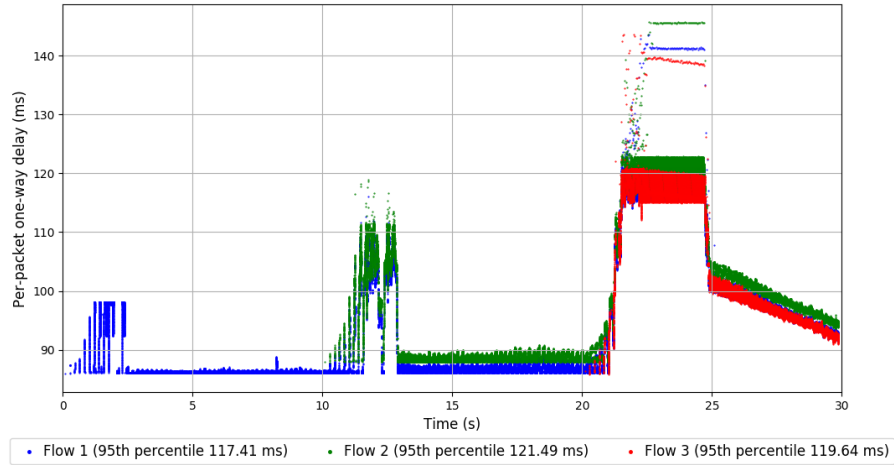
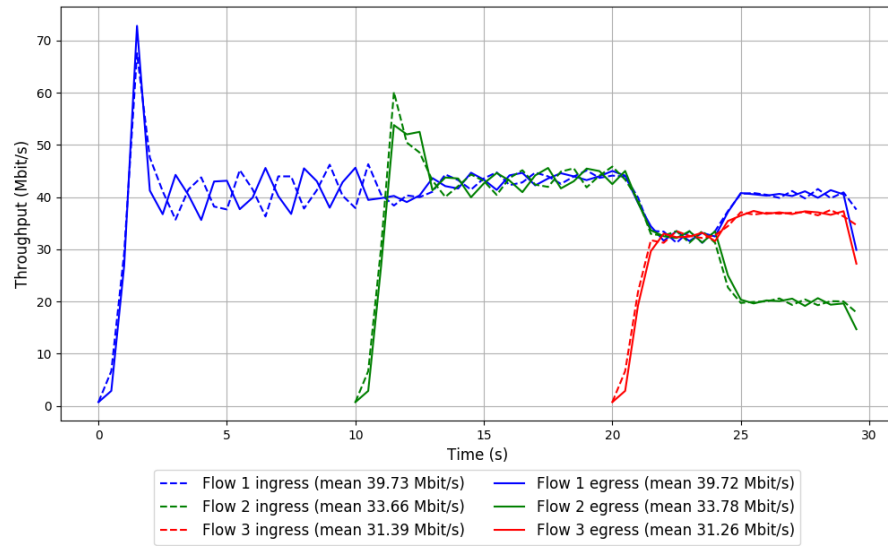


Run 4: Statistics of TCP Vegas

Start at: 2018-01-31 23:03:09
End at: 2018-01-31 23:03:39
Local clock offset: 0.986 ms
Remote clock offset: -6.253 ms

Below is generated by plot.py at 2018-02-01 05:40:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.38 Mbit/s
95th percentile per-packet one-way delay: 119.542 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 117.407 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 121.487 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 119.640 ms
Loss rate: 2.23%

Run 4: Report of TCP Vegas — Data Link

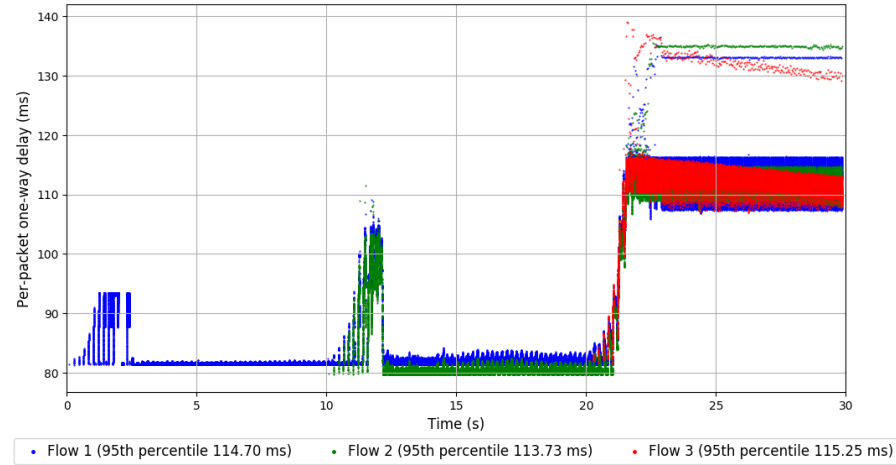
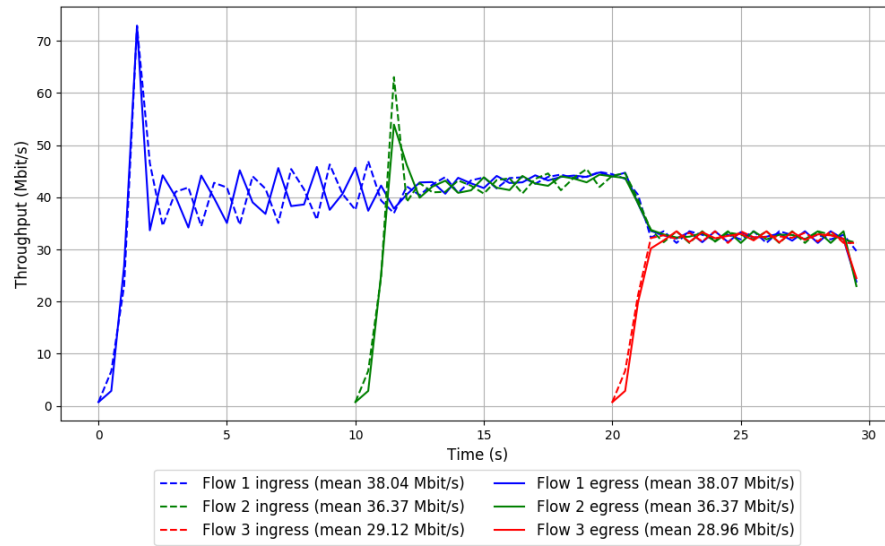


Run 5: Statistics of TCP Vegas

Start at: 2018-01-31 23:27:26
End at: 2018-01-31 23:27:56
Local clock offset: 0.933 ms
Remote clock offset: -1.382 ms

Below is generated by plot.py at 2018-02-01 05:40:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.69 Mbit/s
95th percentile per-packet one-way delay: 114.433 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 114.705 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 113.731 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 115.250 ms
Loss rate: 2.33%

Run 5: Report of TCP Vegas — Data Link

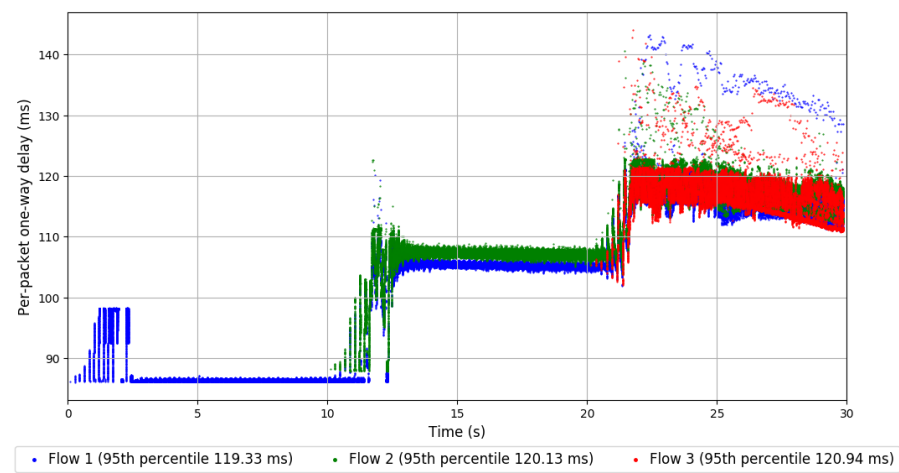
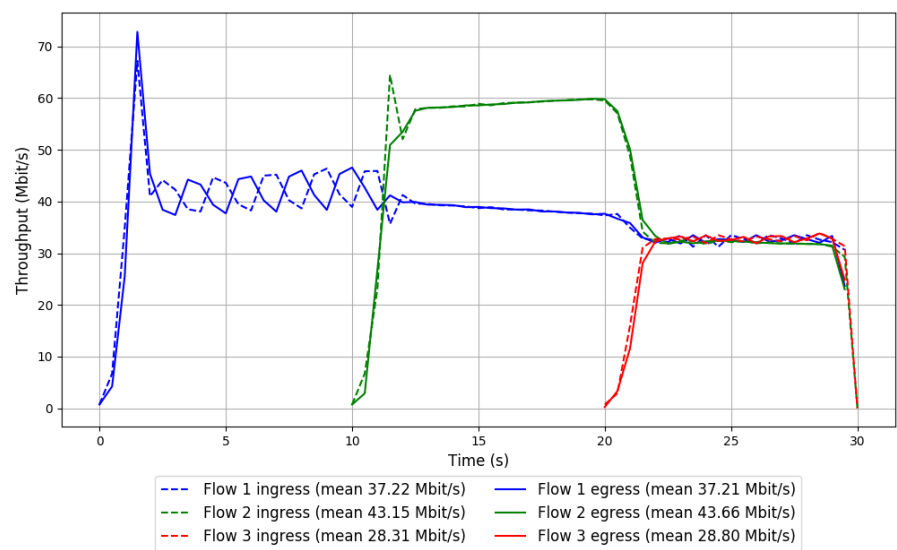


Run 6: Statistics of TCP Vegas

Start at: 2018-01-31 23:51:25
End at: 2018-01-31 23:51:55
Local clock offset: 1.016 ms
Remote clock offset: -5.665 ms

Below is generated by plot.py at 2018-02-01 05:40:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 119.973 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 119.326 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 120.127 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 120.939 ms
Loss rate: 2.49%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-01 00:15:26

End at: 2018-02-01 00:15:56

Local clock offset: 0.899 ms

Remote clock offset: 0.881 ms

Below is generated by plot.py at 2018-02-01 05:40:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.10 Mbit/s

95th percentile per-packet one-way delay: 115.634 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 36.01 Mbit/s

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

Loss rate: 0.64%

-- Flow 2:

Average throughput: 44.72 Mbit/s

95th percentile per-packet one-way delay: 113.830 ms

Loss rate: 0.79%

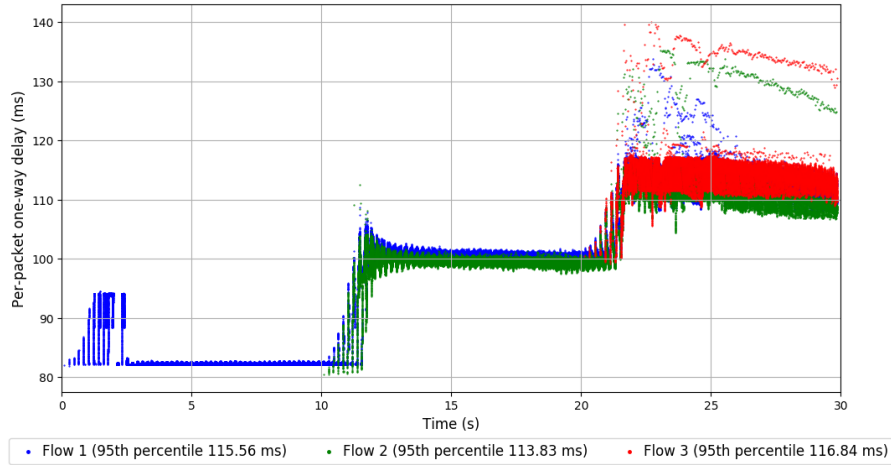
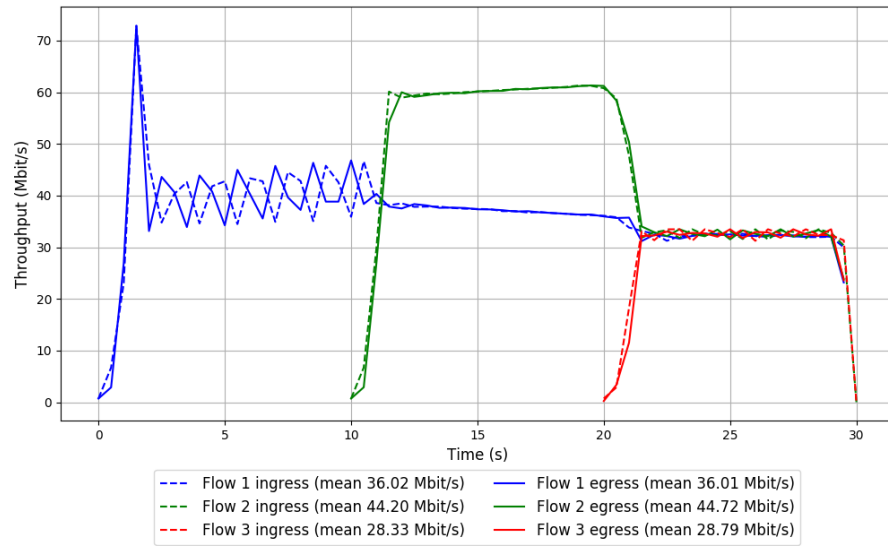
-- Flow 3:

Average throughput: 28.79 Mbit/s

95th percentile per-packet one-way delay: 116.836 ms

Loss rate: 2.52%

Run 7: Report of TCP Vegas — Data Link

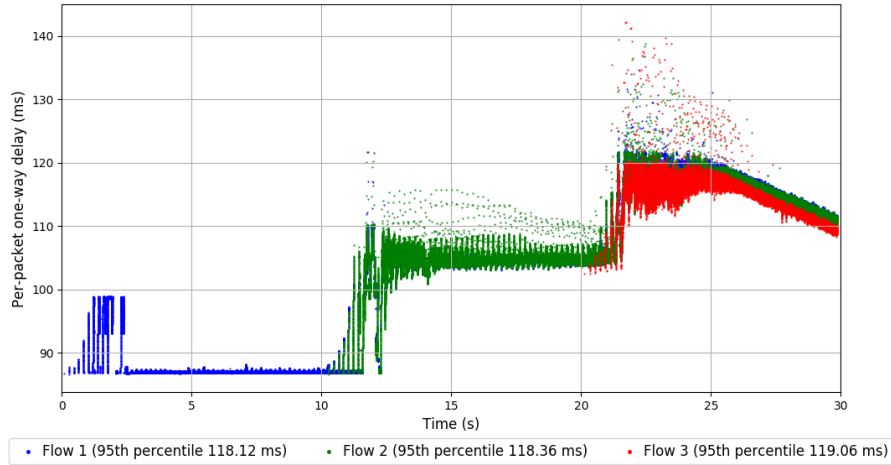
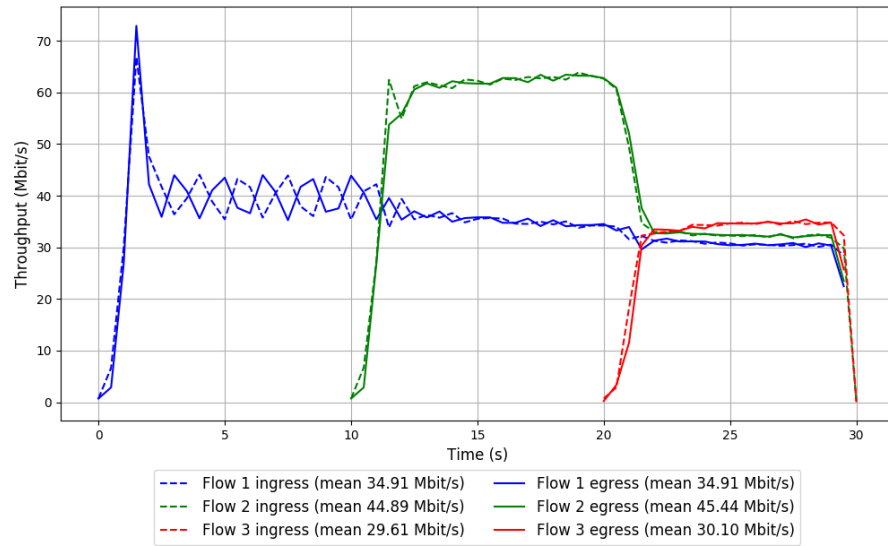


Run 8: Statistics of TCP Vegas

Start at: 2018-02-01 00:39:25
End at: 2018-02-01 00:39:55
Local clock offset: 0.722 ms
Remote clock offset: -2.559 ms

Below is generated by plot.py at 2018-02-01 05:40:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 118.414 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 118.122 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 118.357 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 119.059 ms
Loss rate: 2.40%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

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

End at: 2018-02-01 01:03:52

Local clock offset: 0.413 ms

Remote clock offset: 4.141 ms

Below is generated by plot.py at 2018-02-01 05:40:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.72 Mbit/s

95th percentile per-packet one-way delay: 98.672 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 97.896 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 47.25 Mbit/s

95th percentile per-packet one-way delay: 99.089 ms

Loss rate: 0.97%

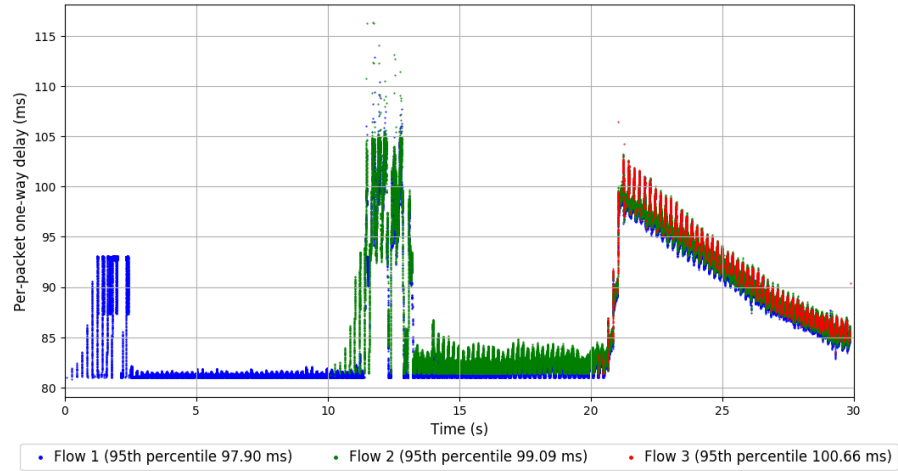
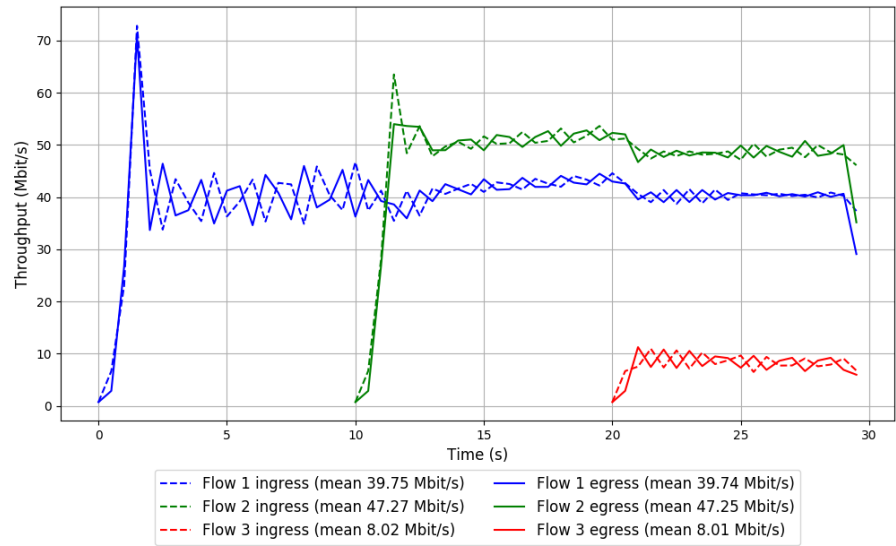
-- Flow 3:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 100.663 ms

Loss rate: 1.94%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-01 01:27:26

End at: 2018-02-01 01:27:56

Local clock offset: 0.247 ms

Remote clock offset: 2.372 ms

Below is generated by plot.py at 2018-02-01 05:40:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.57 Mbit/s

95th percentile per-packet one-way delay: 115.066 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 36.85 Mbit/s

95th percentile per-packet one-way delay: 114.243 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 36.52 Mbit/s

95th percentile per-packet one-way delay: 115.321 ms

Loss rate: 0.99%

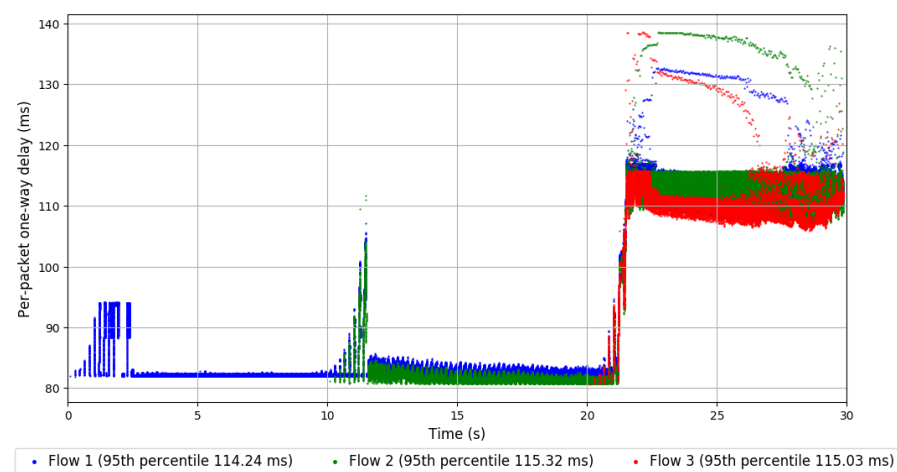
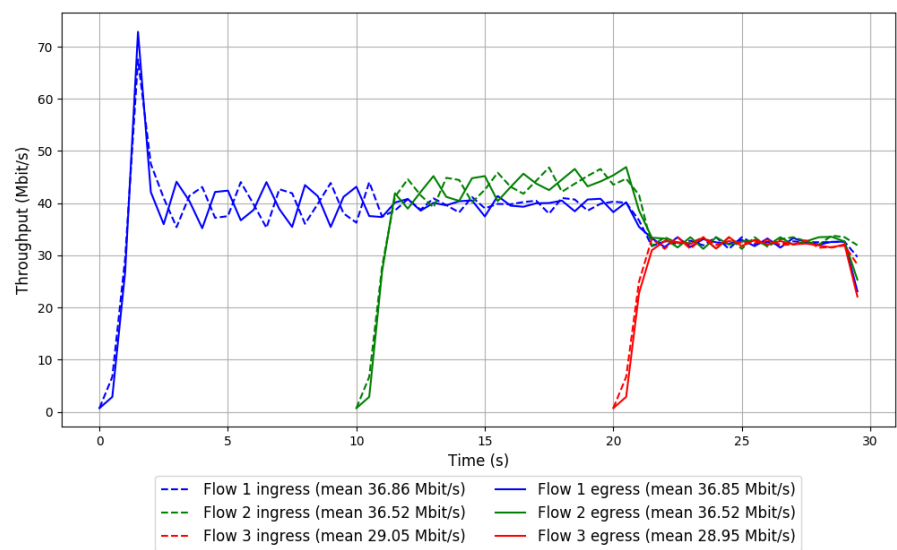
-- Flow 3:

Average throughput: 28.95 Mbit/s

95th percentile per-packet one-way delay: 115.025 ms

Loss rate: 2.25%

Run 10: Report of TCP Vegas — Data Link

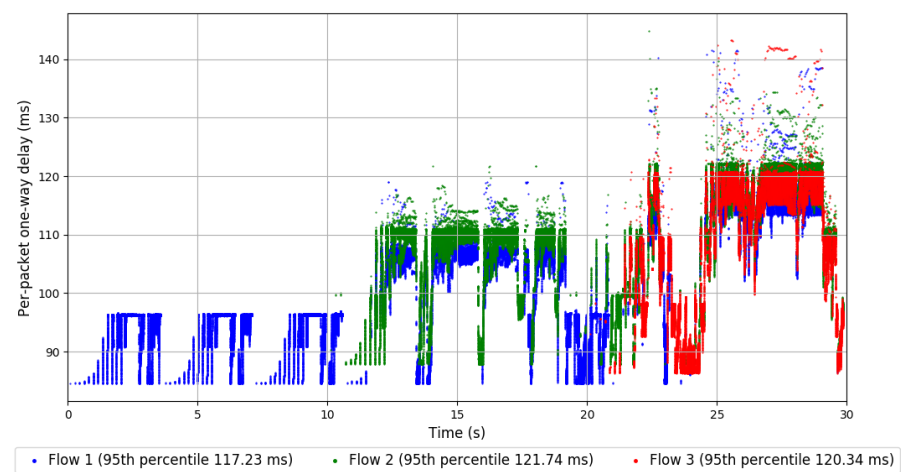
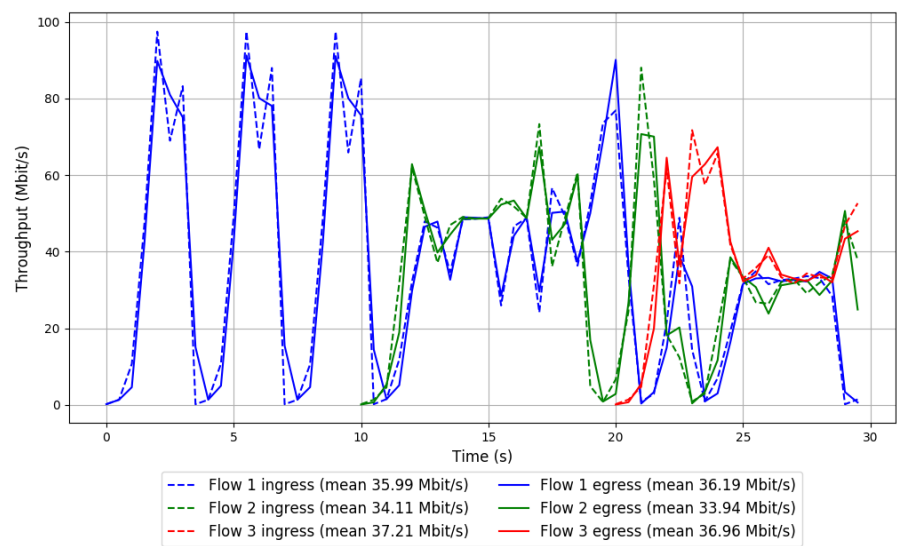


Run 1: Statistics of Verus

Start at: 2018-01-31 21:34:06
End at: 2018-01-31 21:34:36
Local clock offset: 1.012 ms
Remote clock offset: -2.924 ms

Below is generated by plot.py at 2018-02-01 05:40:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.75 Mbit/s
95th percentile per-packet one-way delay: 119.778 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 117.230 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 121.744 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 120.339 ms
Loss rate: 2.66%

Run 1: Report of Verus — Data Link

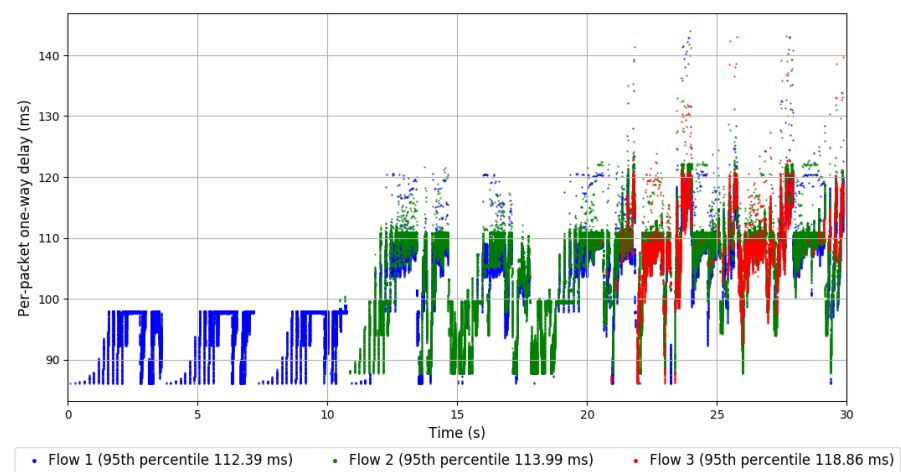
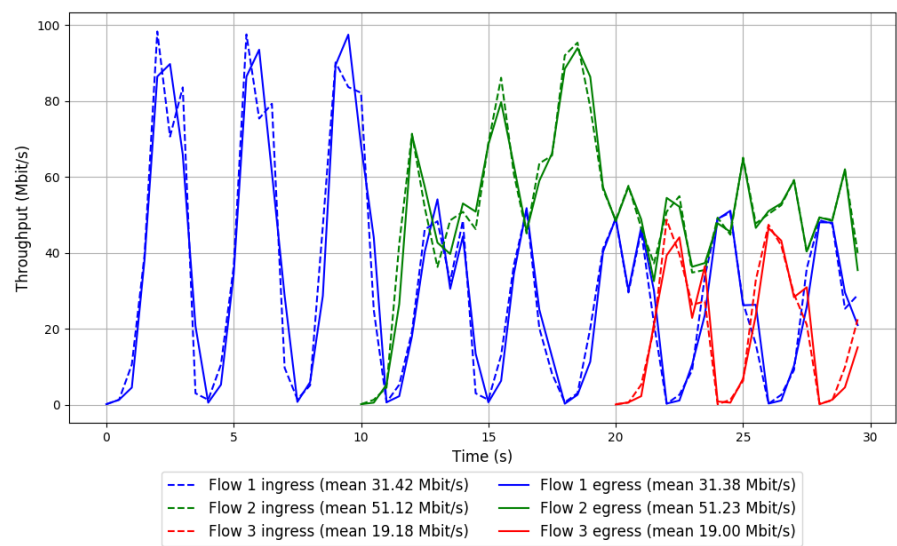


Run 2: Statistics of Verus

Start at: 2018-01-31 21:58:06
End at: 2018-01-31 21:58:36
Local clock offset: 1.083 ms
Remote clock offset: -3.401 ms

Below is generated by plot.py at 2018-02-01 05:41:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.58 Mbit/s
95th percentile per-packet one-way delay: 114.964 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 112.392 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 113.988 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 19.00 Mbit/s
95th percentile per-packet one-way delay: 118.864 ms
Loss rate: 3.32%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

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

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

Local clock offset: 1.094 ms

Remote clock offset: 2.667 ms

Below is generated by plot.py at 2018-02-01 05:41:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.18 Mbit/s

95th percentile per-packet one-way delay: 110.526 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 34.84 Mbit/s

95th percentile per-packet one-way delay: 109.942 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 42.09 Mbit/s

95th percentile per-packet one-way delay: 108.949 ms

Loss rate: 1.11%

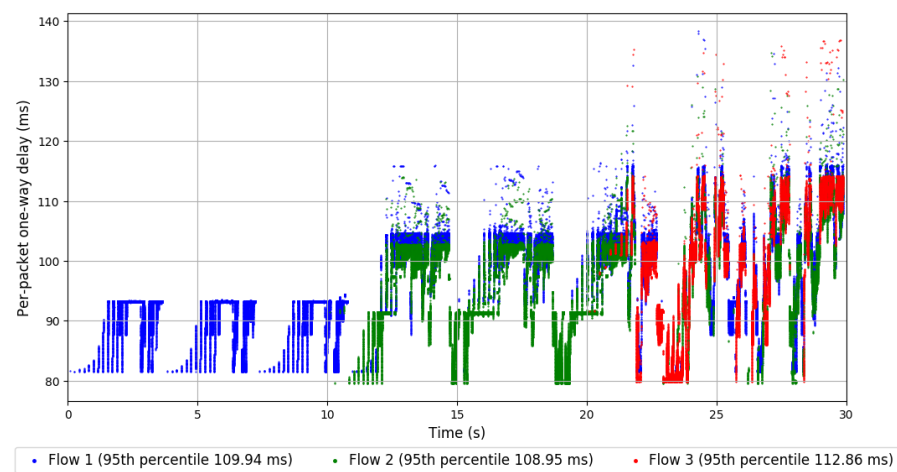
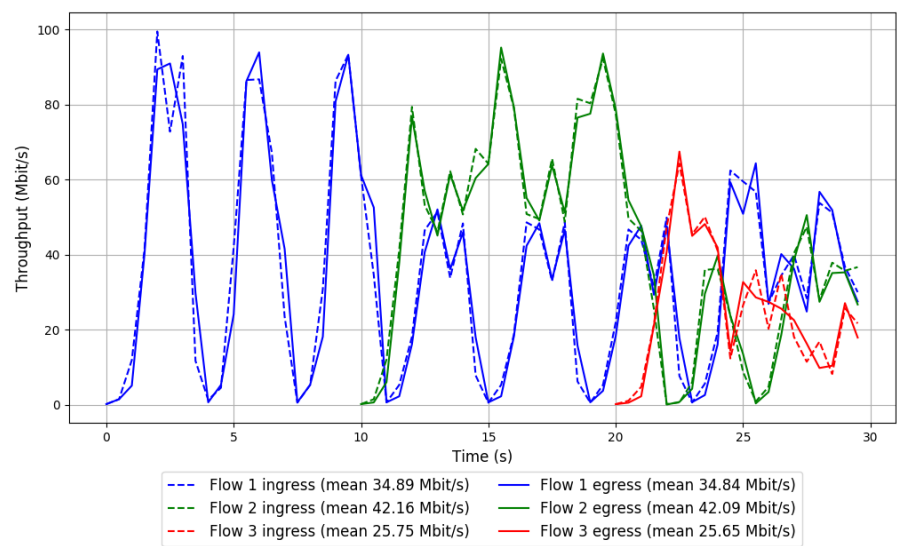
-- Flow 3:

Average throughput: 25.65 Mbit/s

95th percentile per-packet one-way delay: 112.864 ms

Loss rate: 1.43%

Run 3: Report of Verus — Data Link

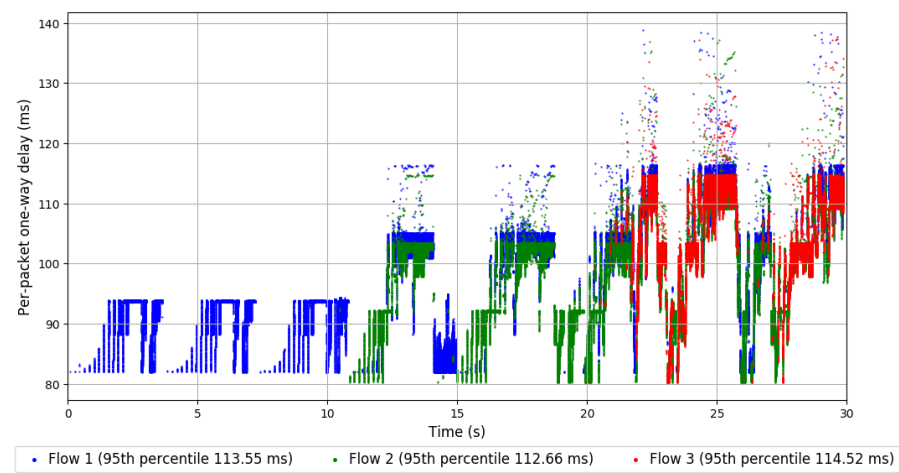
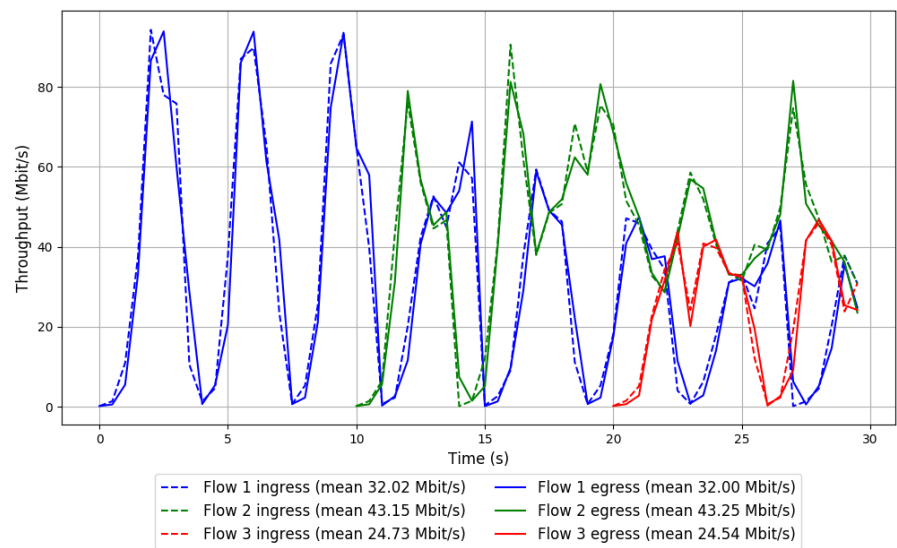


Run 4: Statistics of Verus

Start at: 2018-01-31 22:45:53
End at: 2018-01-31 22:46:23
Local clock offset: 1.037 ms
Remote clock offset: 0.546 ms

Below is generated by plot.py at 2018-02-01 05:41:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 113.616 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 113.547 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 112.663 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 114.522 ms
Loss rate: 2.70%

Run 4: Report of Verus — Data Link

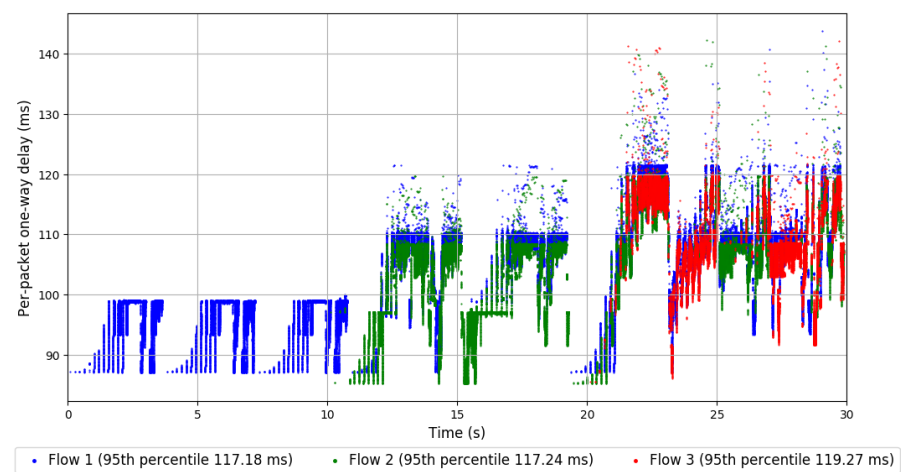
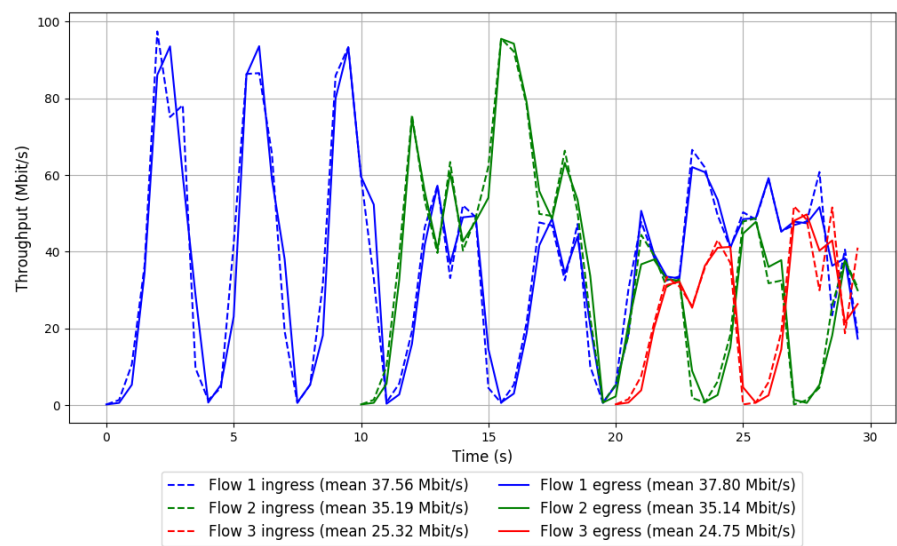


Run 5: Statistics of Verus

Start at: 2018-01-31 23:09:43
End at: 2018-01-31 23:10:13
Local clock offset: 1.031 ms
Remote clock offset: -5.376 ms

Below is generated by plot.py at 2018-02-01 05:41:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.06 Mbit/s
95th percentile per-packet one-way delay: 117.912 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 117.182 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 117.237 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 119.265 ms
Loss rate: 4.07%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-01-31 23:34:03

End at: 2018-01-31 23:34:33

Local clock offset: 1.003 ms

Remote clock offset: 0.227 ms

Below is generated by plot.py at 2018-02-01 05:41:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.31 Mbit/s

95th percentile per-packet one-way delay: 113.711 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 38.85 Mbit/s

95th percentile per-packet one-way delay: 112.844 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 36.36 Mbit/s

95th percentile per-packet one-way delay: 113.927 ms

Loss rate: 1.52%

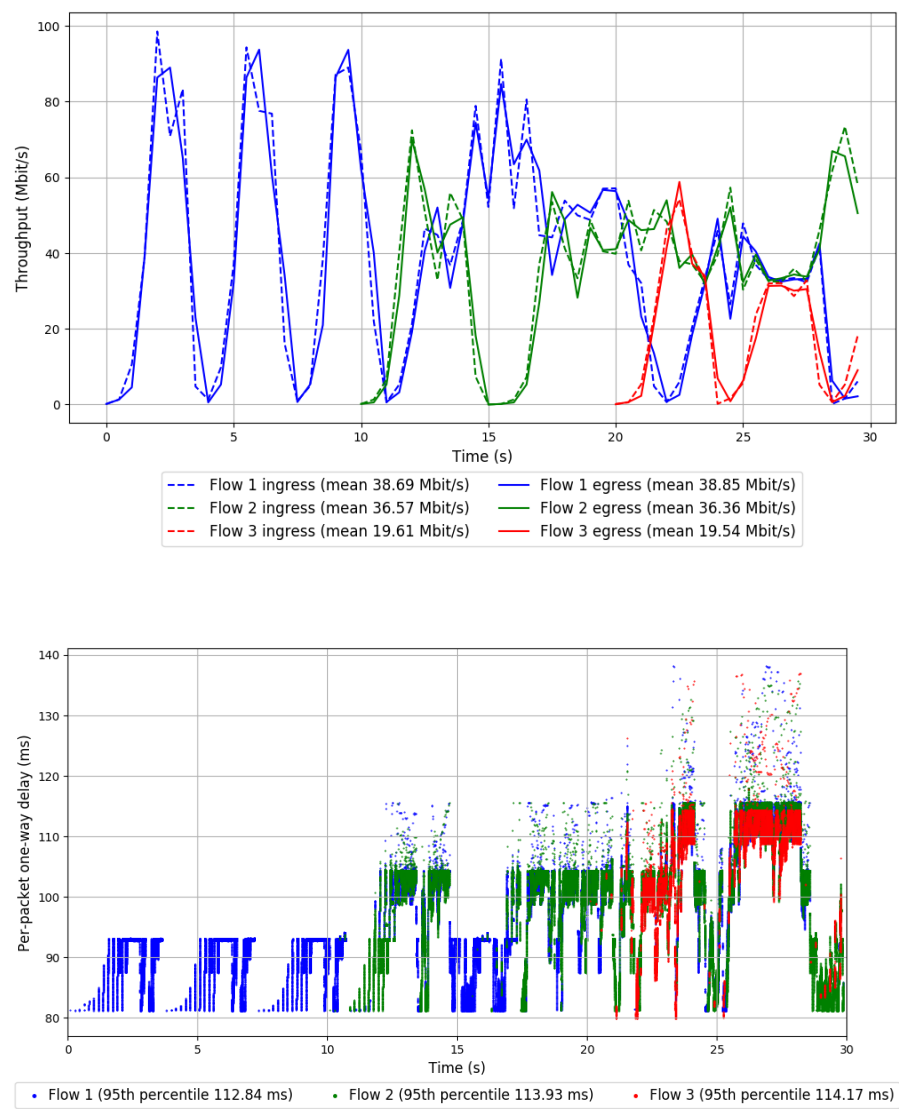
-- Flow 3:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 114.175 ms

Loss rate: 3.11%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-01-31 23:58:01

End at: 2018-01-31 23:58:31

Local clock offset: 0.959 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-02-01 05:41:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.78 Mbit/s

95th percentile per-packet one-way delay: 103.439 ms

Loss rate: 11.69%

-- Flow 1:

Average throughput: 27.33 Mbit/s

95th percentile per-packet one-way delay: 101.032 ms

Loss rate: 9.92%

-- Flow 2:

Average throughput: 26.54 Mbit/s

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

Loss rate: 13.48%

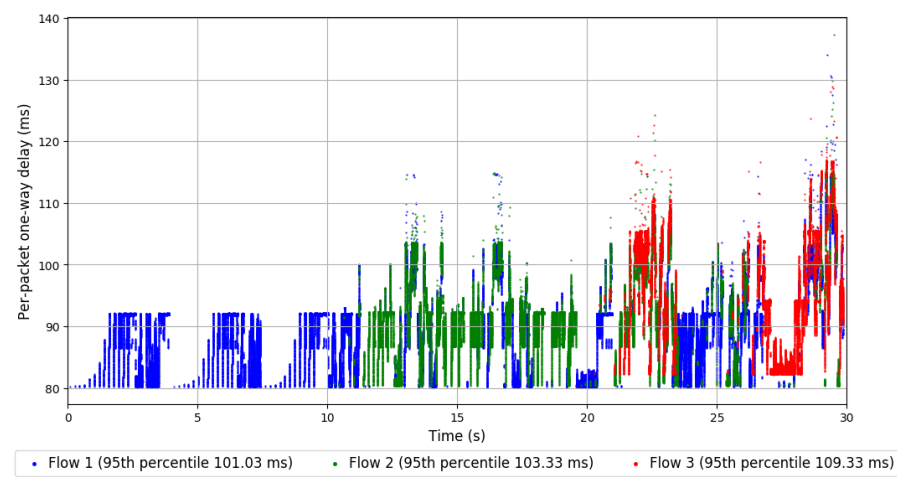
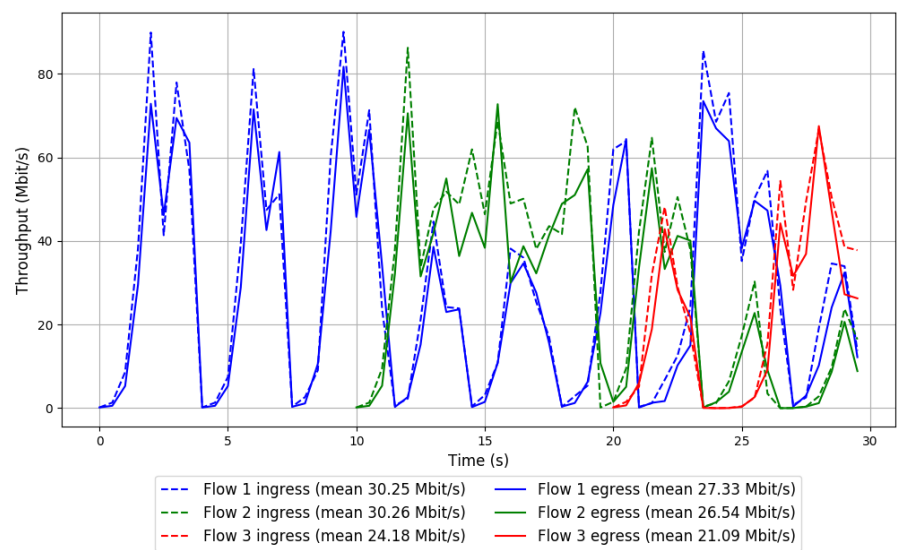
-- Flow 3:

Average throughput: 21.09 Mbit/s

95th percentile per-packet one-way delay: 109.330 ms

Loss rate: 13.89%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-01 00:22:01

End at: 2018-02-01 00:22:31

Local clock offset: 0.856 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2018-02-01 05:41:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.55 Mbit/s

95th percentile per-packet one-way delay: 104.598 ms

Loss rate: 11.51%

-- Flow 1:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 103.912 ms

Loss rate: 10.06%

-- Flow 2:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 106.338 ms

Loss rate: 13.98%

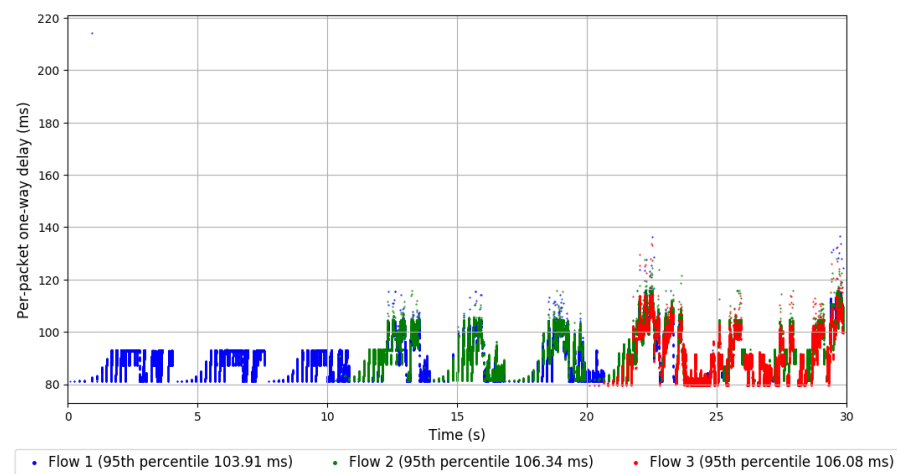
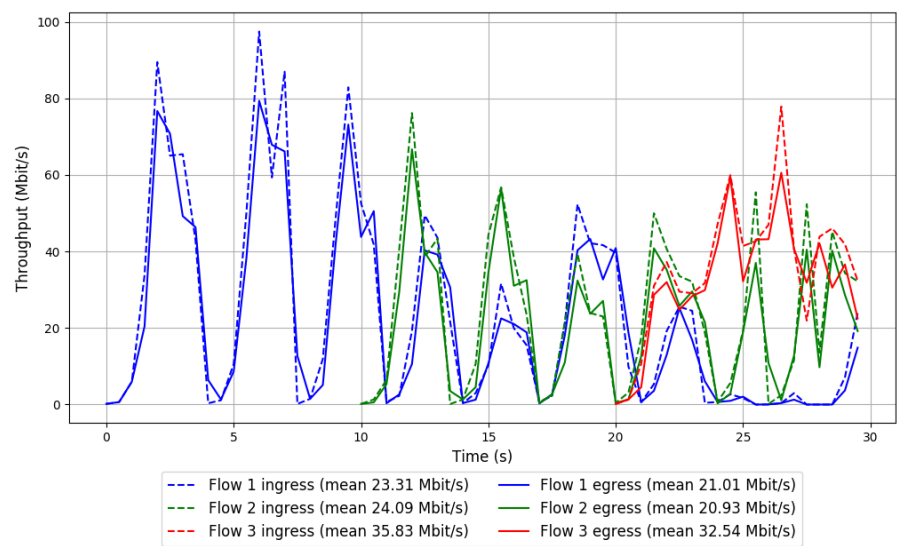
-- Flow 3:

Average throughput: 32.54 Mbit/s

95th percentile per-packet one-way delay: 106.084 ms

Loss rate: 11.04%

Run 8: Report of Verus — Data Link

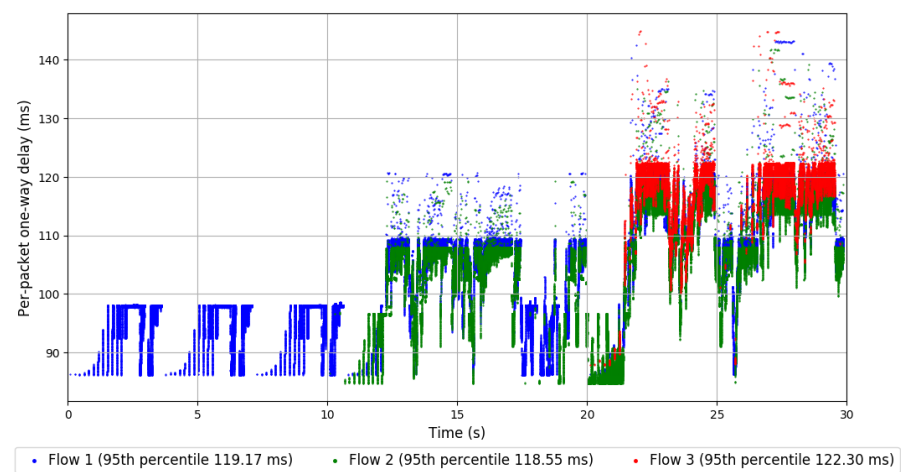
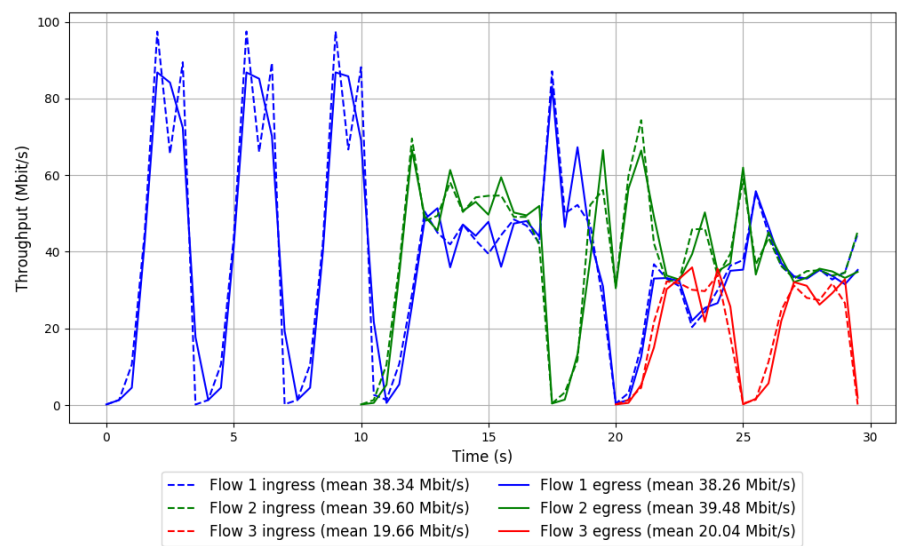


Run 9: Statistics of Verus

Start at: 2018-02-01 00:46:01
End at: 2018-02-01 00:46:31
Local clock offset: 0.64 ms
Remote clock offset: -2.952 ms

Below is generated by plot.py at 2018-02-01 05:42:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 120.339 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 119.166 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 118.549 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 122.299 ms
Loss rate: 0.02%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-01 01:09:54

End at: 2018-02-01 01:10:24

Local clock offset: 0.414 ms

Remote clock offset: 3.022 ms

Below is generated by plot.py at 2018-02-01 05:42:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.28 Mbit/s

95th percentile per-packet one-way delay: 113.135 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 35.18 Mbit/s

95th percentile per-packet one-way delay: 112.991 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 113.815 ms

Loss rate: 0.12%

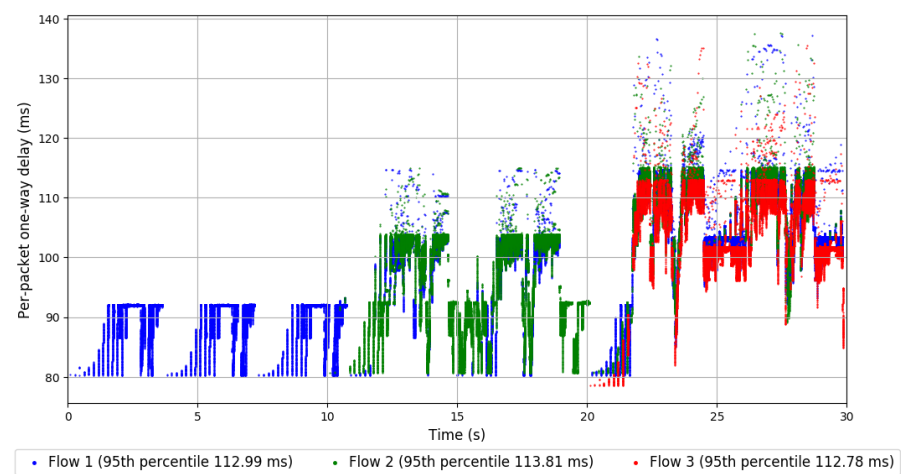
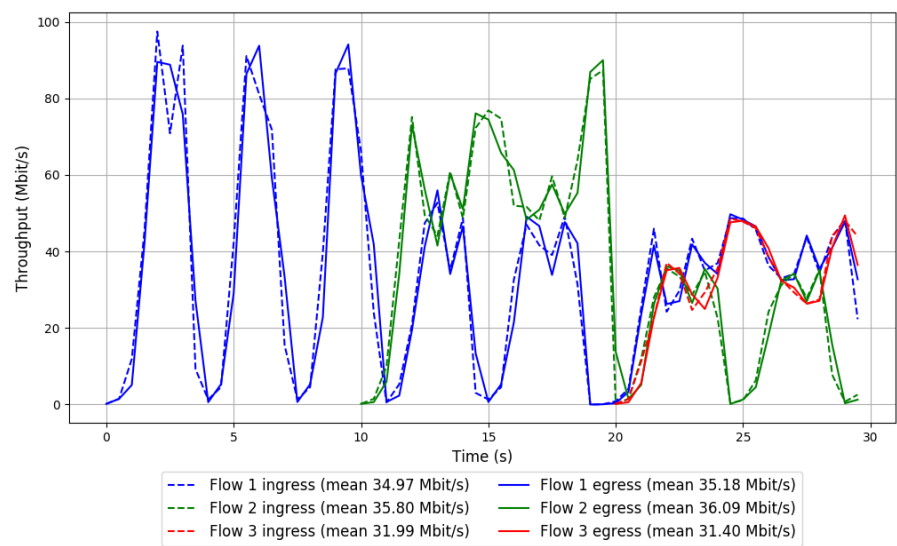
-- Flow 3:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 112.776 ms

Loss rate: 2.55%

Run 10: Report of Verus — Data Link

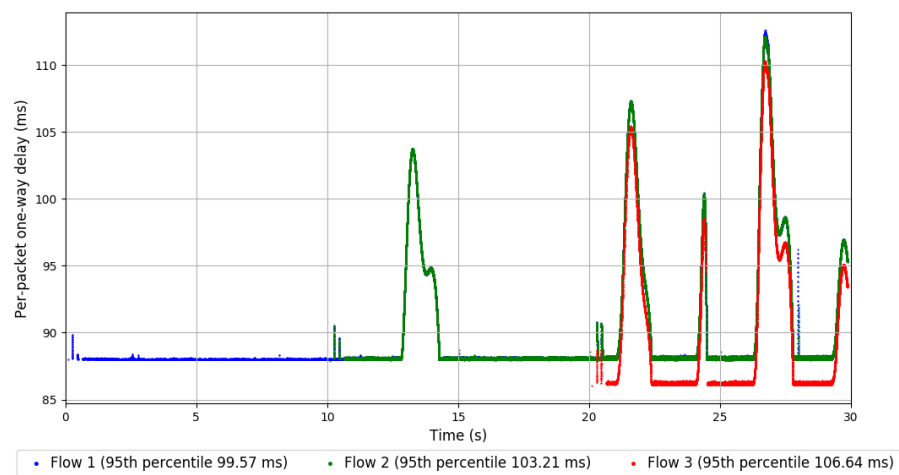
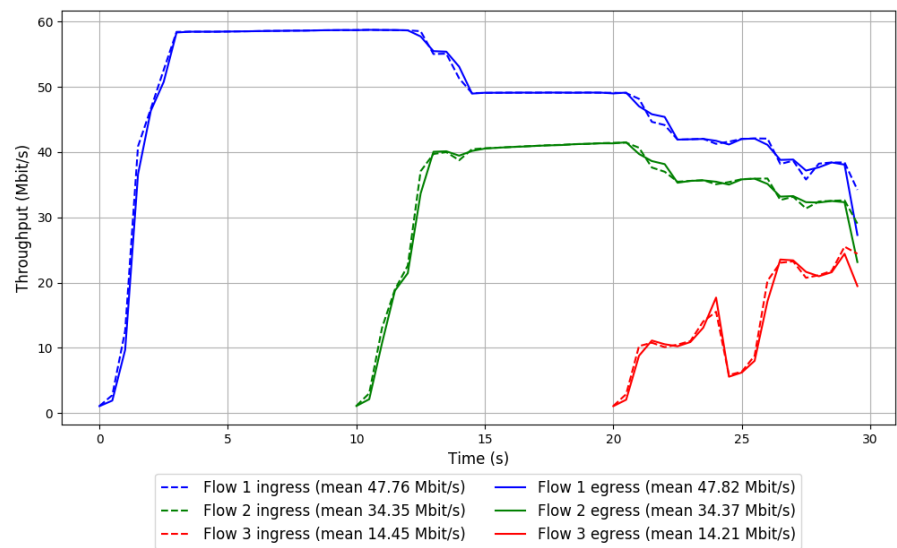


Run 1: Statistics of Copa

Start at: 2018-01-31 21:36:46
End at: 2018-01-31 21:37:16
Local clock offset: 1.02 ms
Remote clock offset: -2.986 ms

Below is generated by plot.py at 2018-02-01 05:43:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 101.706 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 47.82 Mbit/s
95th percentile per-packet one-way delay: 99.574 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 103.214 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 106.636 ms
Loss rate: 3.45%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-01-31 22:00:50

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

Local clock offset: 1.138 ms

Remote clock offset: 2.246 ms

Below is generated by plot.py at 2018-02-01 05:43:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.68 Mbit/s

95th percentile per-packet one-way delay: 86.064 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 51.68 Mbit/s

95th percentile per-packet one-way delay: 85.507 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 87.743 ms

Loss rate: 1.03%

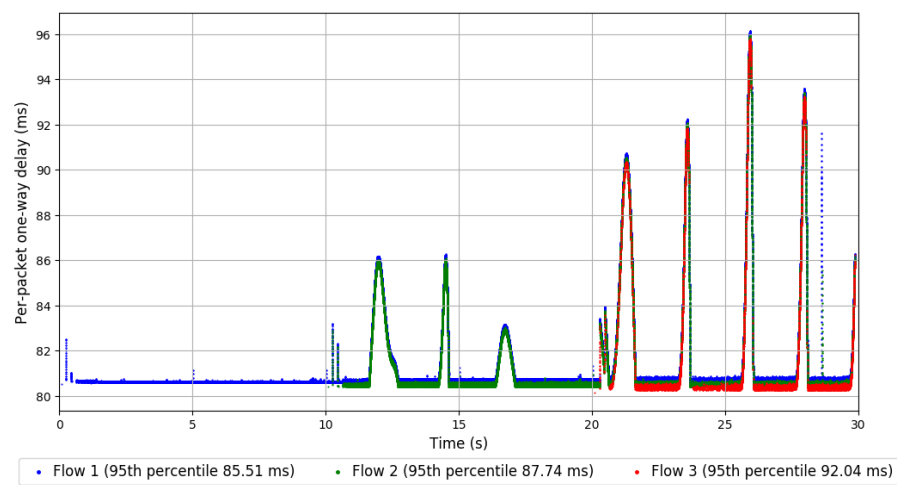
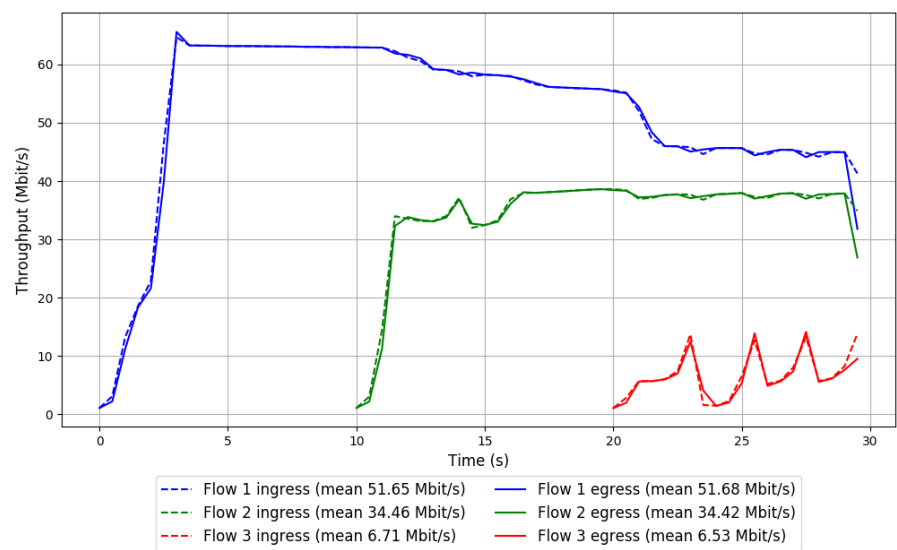
-- Flow 3:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 92.042 ms

Loss rate: 4.45%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-31 22:24:42

End at: 2018-01-31 22:25:12

Local clock offset: 1.084 ms

Remote clock offset: 0.877 ms

Below is generated by plot.py at 2018-02-01 05:43:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 91.058 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 89.390 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 92.643 ms

Loss rate: 0.99%

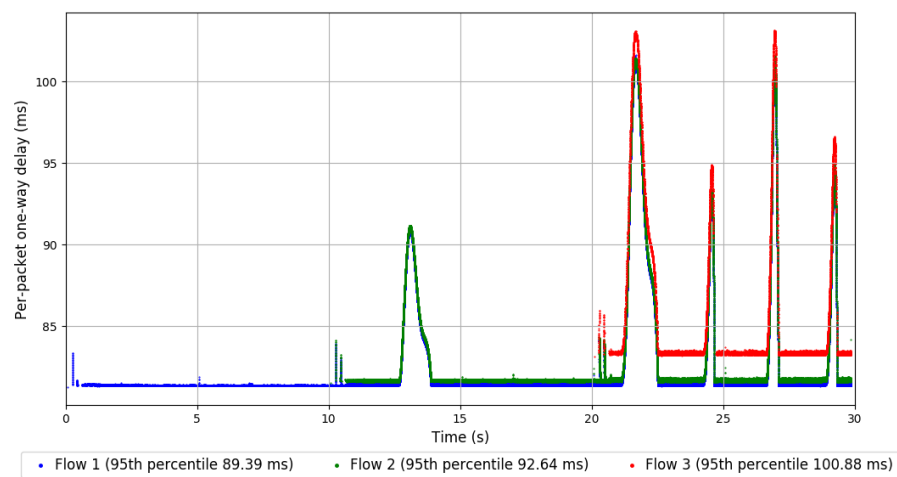
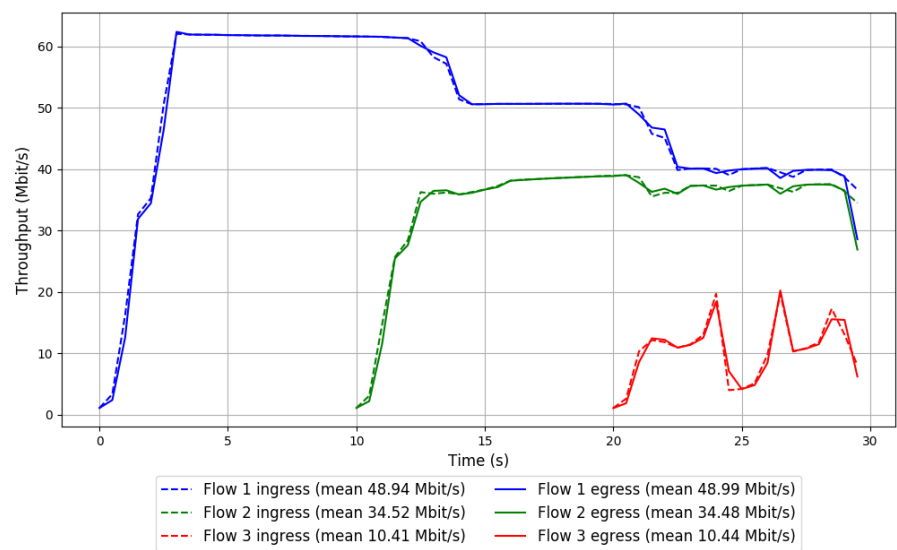
-- Flow 3:

Average throughput: 10.44 Mbit/s

95th percentile per-packet one-way delay: 100.883 ms

Loss rate: 1.58%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-01-31 22:48:34

End at: 2018-01-31 22:49:04

Local clock offset: 1.063 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-02-01 05:43:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 88.297 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 87.377 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 89.428 ms

Loss rate: 0.96%

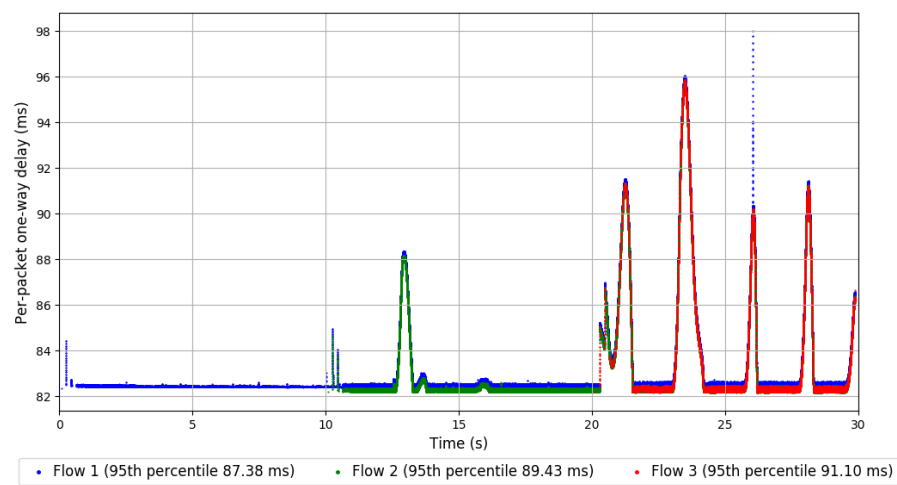
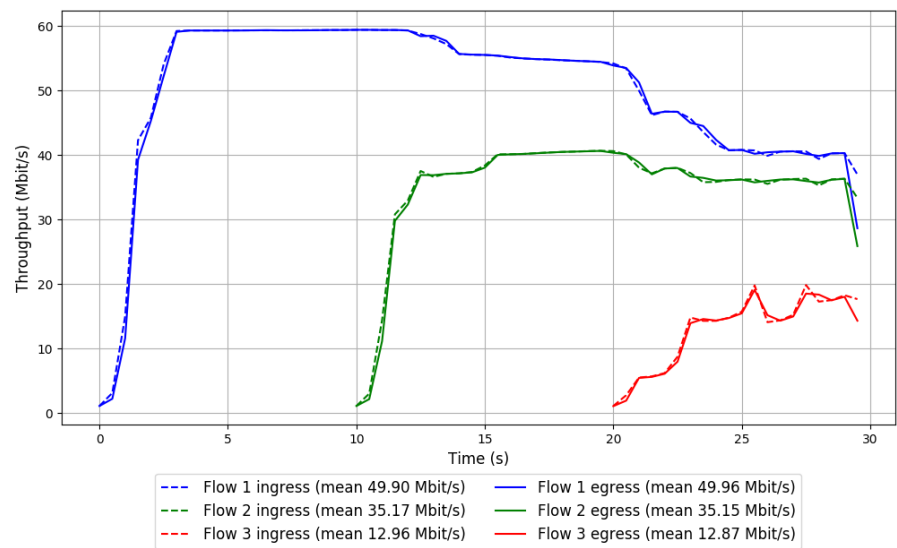
-- Flow 3:

Average throughput: 12.87 Mbit/s

95th percentile per-packet one-way delay: 91.098 ms

Loss rate: 2.52%

Run 4: Report of Copa — Data Link

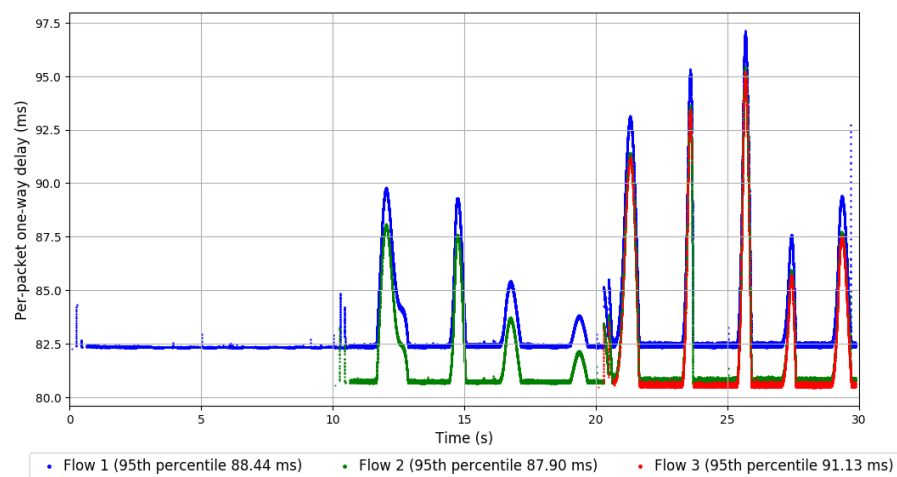
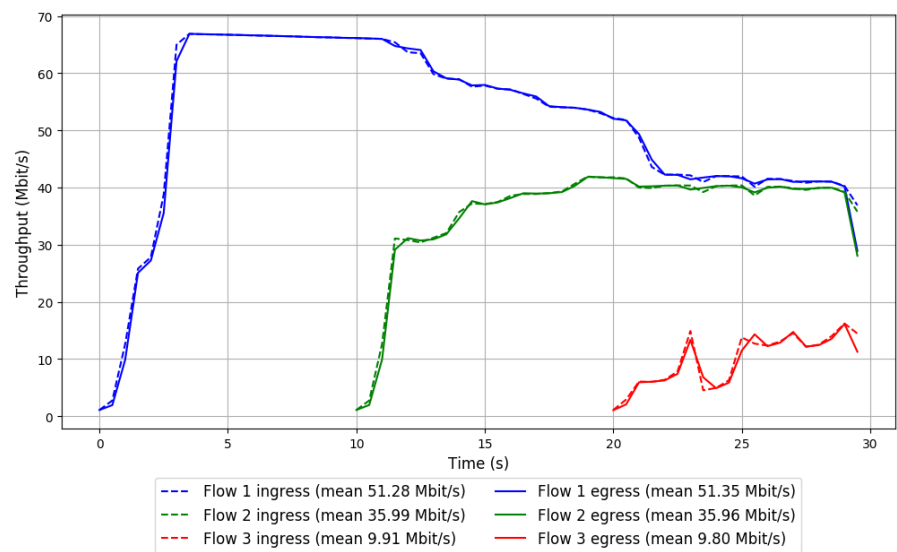


Run 5: Statistics of Copa

Start at: 2018-01-31 23:12:24
End at: 2018-01-31 23:12:54
Local clock offset: 1.04 ms
Remote clock offset: -0.598 ms

Below is generated by plot.py at 2018-02-01 05:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.45 Mbit/s
95th percentile per-packet one-way delay: 88.408 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 51.35 Mbit/s
95th percentile per-packet one-way delay: 88.443 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 87.899 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 91.129 ms
Loss rate: 2.95%

Run 5: Report of Copa — Data Link

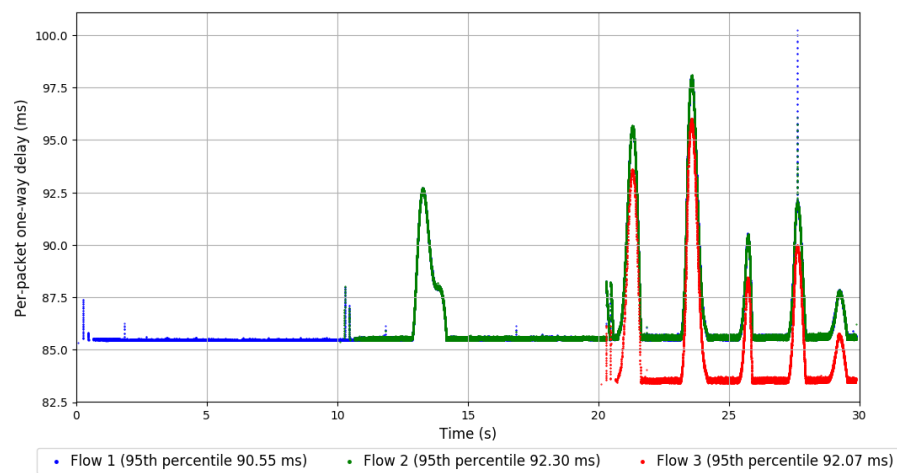
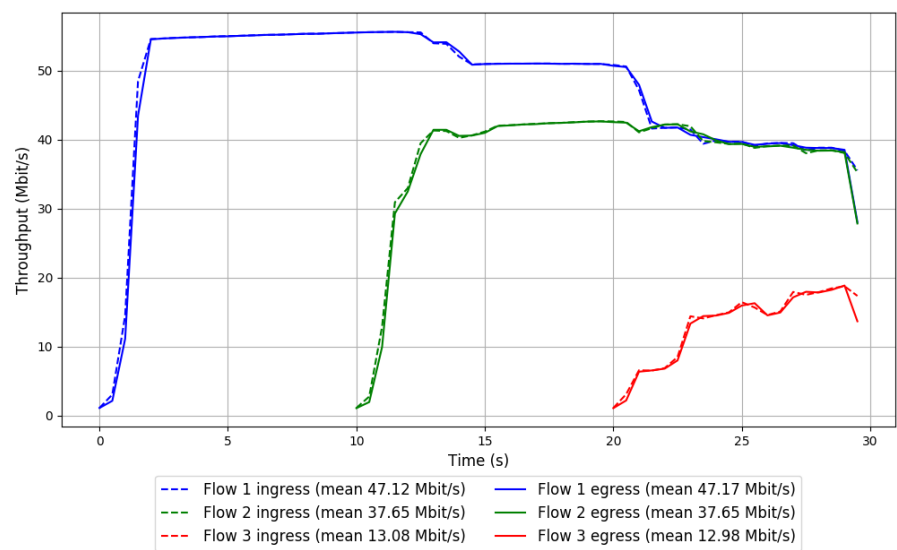


Run 6: Statistics of Copa

Start at: 2018-01-31 23:36:45
End at: 2018-01-31 23:37:15
Local clock offset: 0.933 ms
Remote clock offset: -5.391 ms

Below is generated by plot.py at 2018-02-01 05:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 91.497 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 90.550 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 92.296 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 92.069 ms
Loss rate: 2.61%

Run 6: Report of Copa — Data Link

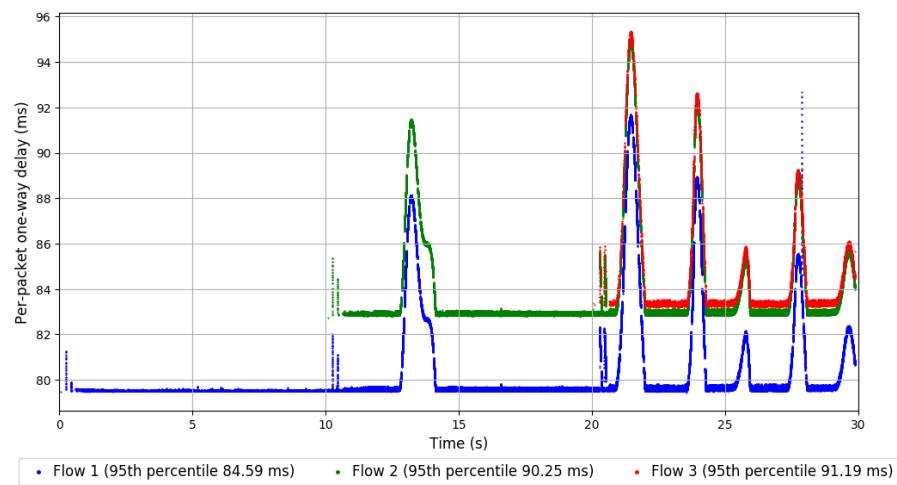
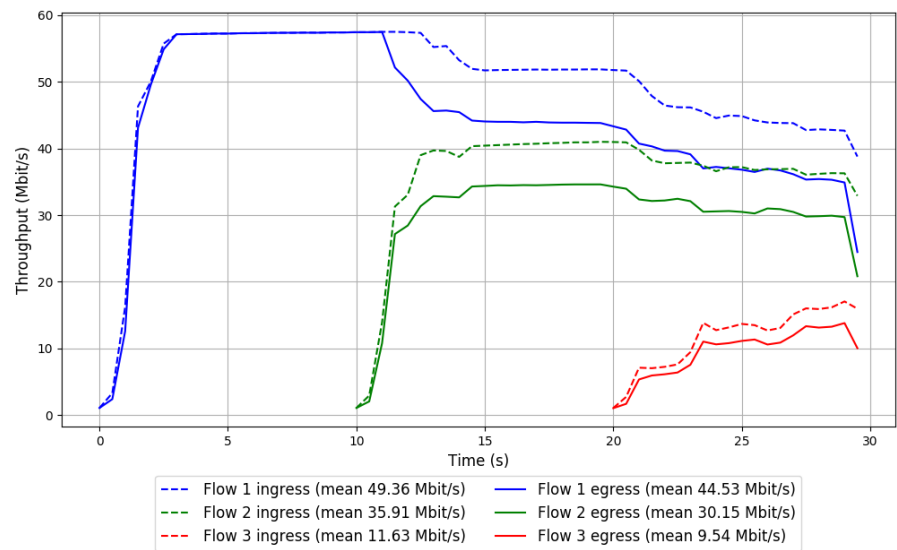


Run 7: Statistics of Copa

Start at: 2018-02-01 00:00:40
End at: 2018-02-01 00:01:10
Local clock offset: 1.001 ms
Remote clock offset: -0.558 ms

Below is generated by plot.py at 2018-02-01 05:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 87.436 ms
Loss rate: 12.79%
-- Flow 1:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 84.591 ms
Loss rate: 10.33%
-- Flow 2:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 90.251 ms
Loss rate: 16.80%
-- Flow 3:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 91.189 ms
Loss rate: 19.48%

Run 7: Report of Copa — Data Link

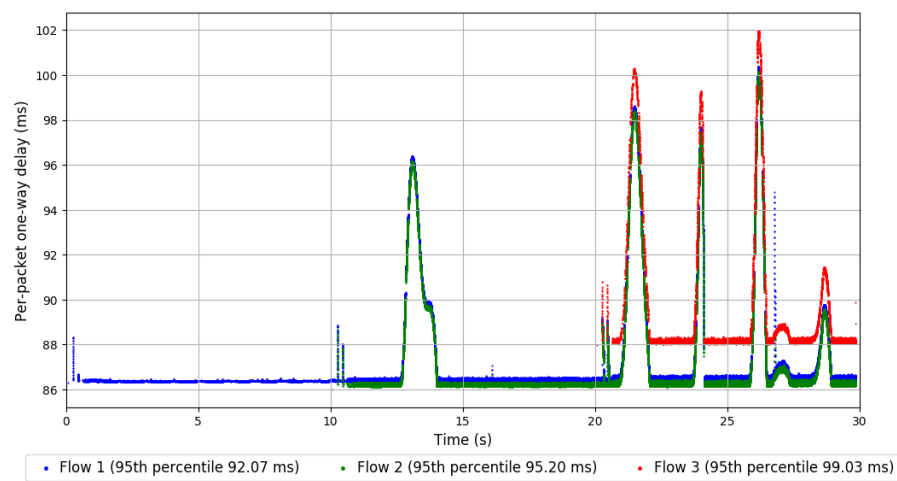
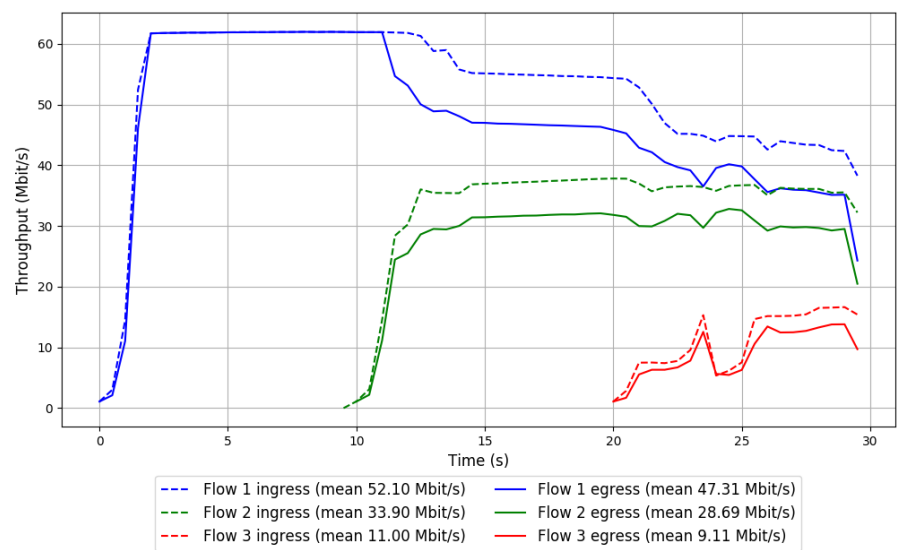


Run 8: Statistics of Copa

Start at: 2018-02-01 00:24:40
End at: 2018-02-01 00:25:10
Local clock offset: 0.829 ms
Remote clock offset: -4.429 ms

Below is generated by plot.py at 2018-02-01 05:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.35 Mbit/s
95th percentile per-packet one-way delay: 93.777 ms
Loss rate: 12.01%
-- Flow 1:
Average throughput: 47.31 Mbit/s
95th percentile per-packet one-way delay: 92.068 ms
Loss rate: 9.75%
-- Flow 2:
Average throughput: 28.69 Mbit/s
95th percentile per-packet one-way delay: 95.203 ms
Loss rate: 16.13%
-- Flow 3:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 99.026 ms
Loss rate: 18.75%

Run 8: Report of Copa — Data Link

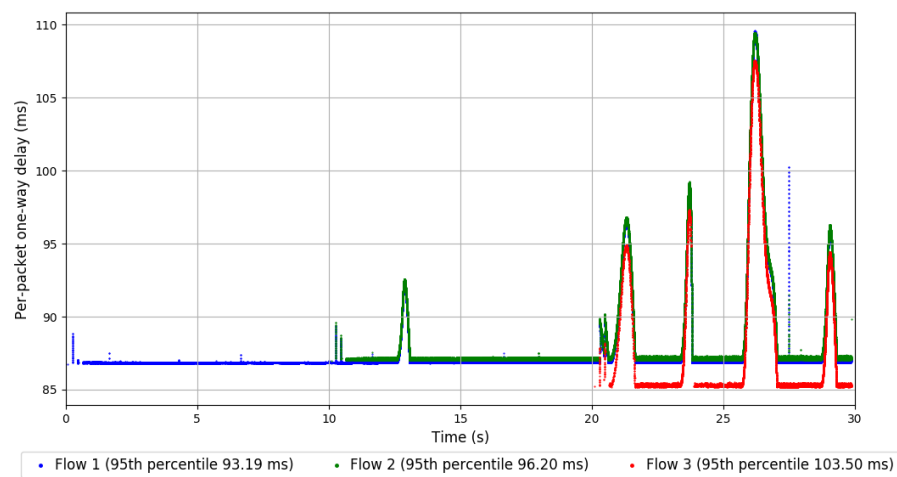
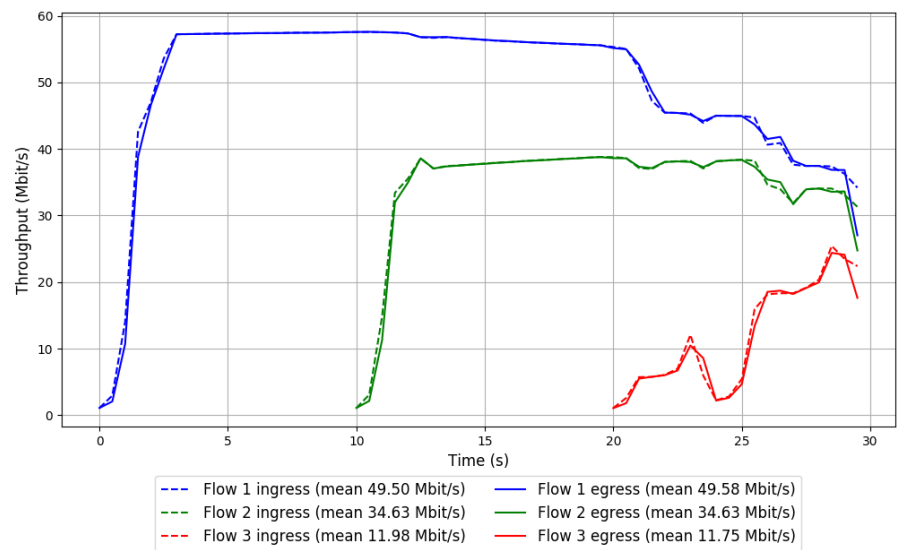


Run 9: Statistics of Copa

Start at: 2018-02-01 00:48:43
End at: 2018-02-01 00:49:13
Local clock offset: 0.616 ms
Remote clock offset: -1.854 ms

Below is generated by plot.py at 2018-02-01 05:45:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 95.038 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 93.192 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 96.198 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 103.505 ms
Loss rate: 3.72%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-01 01:12:35

End at: 2018-02-01 01:13:05

Local clock offset: 0.365 ms

Remote clock offset: 2.922 ms

Below is generated by plot.py at 2018-02-01 05:45:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 85.378 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 49.98 Mbit/s

95th percentile per-packet one-way delay: 83.467 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 33.35 Mbit/s

95th percentile per-packet one-way delay: 86.232 ms

Loss rate: 0.90%

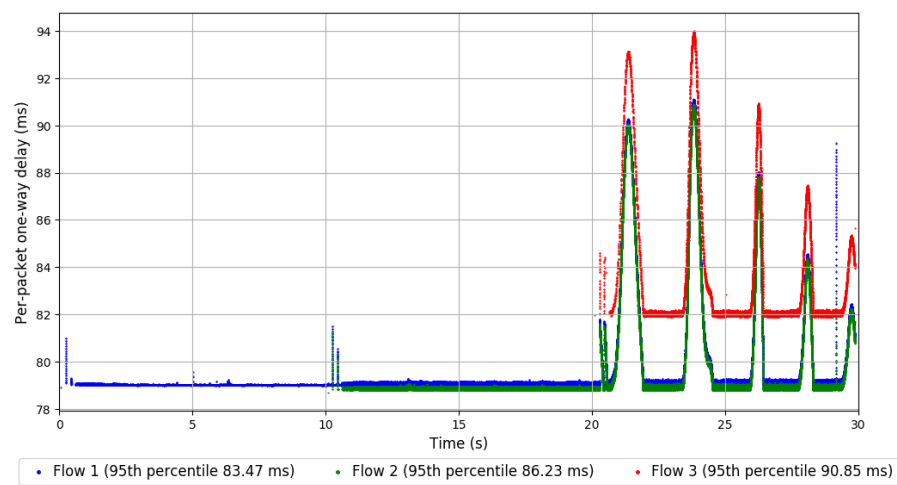
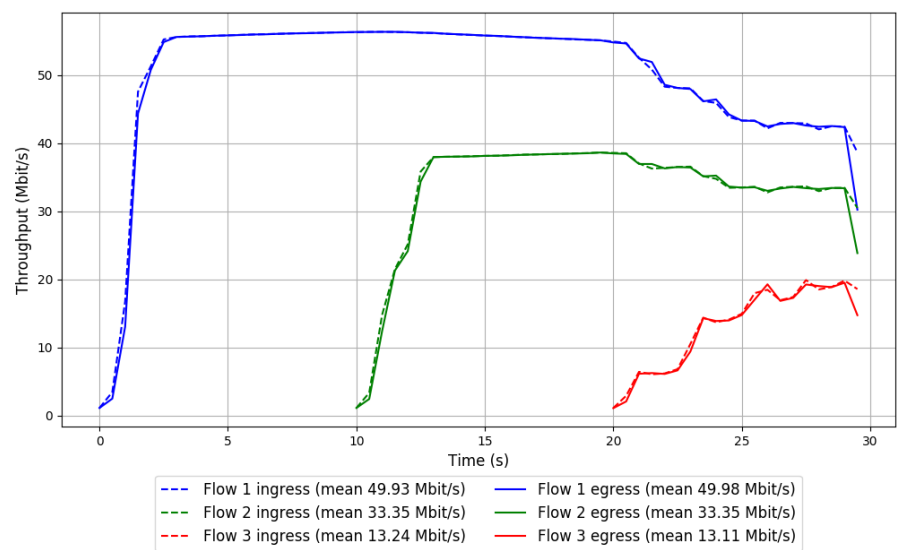
-- Flow 3:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 90.849 ms

Loss rate: 2.76%

Run 10: Report of Copa — Data Link

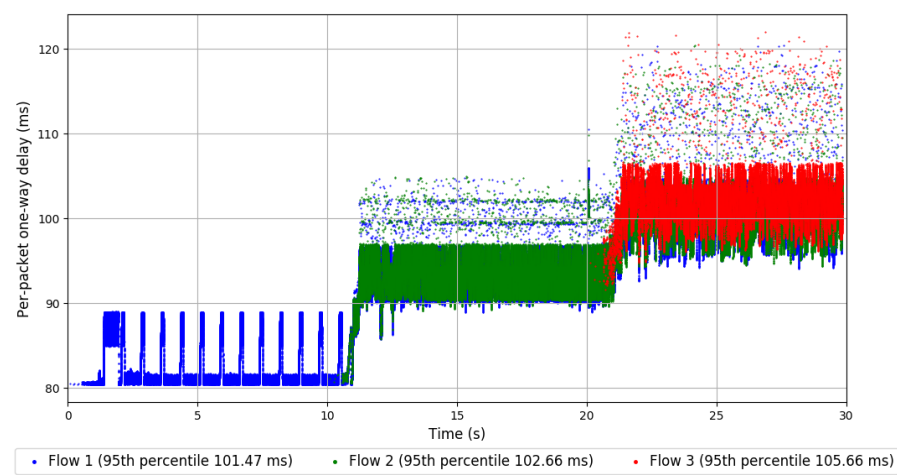
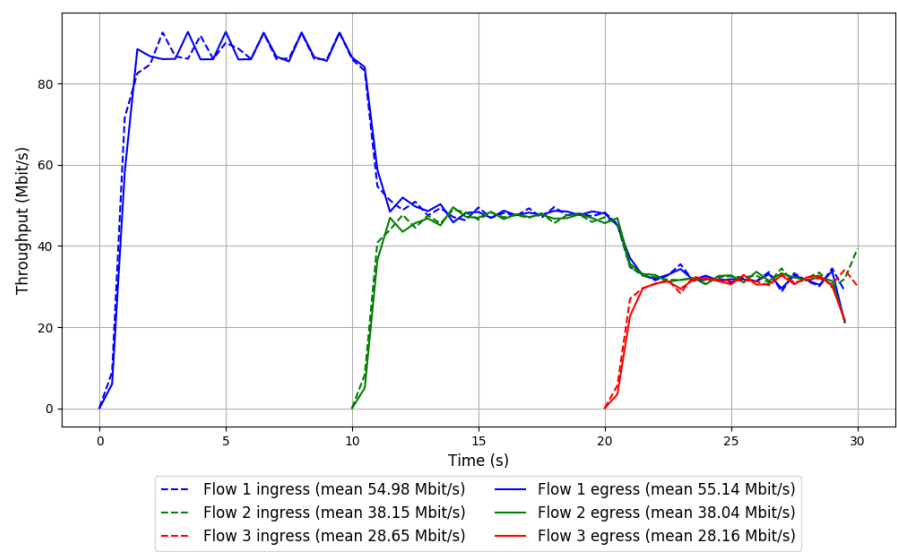


```
Run 1: Statistics of FillP

Start at: 2018-01-31 21:47:17
End at: 2018-01-31 21:47:47
Local clock offset: 1.14 ms
Remote clock offset: 2.463 ms

# Below is generated by plot.py at 2018-02-01 05:46:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.56 Mbit/s
95th percentile per-packet one-way delay: 103.212 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 101.468 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 102.662 ms
Loss rate: 3.56%
-- Flow 3:
Average throughput: 28.16 Mbit/s
95th percentile per-packet one-way delay: 105.655 ms
Loss rate: 8.20%
```


Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-31 22:11:23

End at: 2018-01-31 22:11:53

Local clock offset: 1.126 ms

Remote clock offset: 2.028 ms

Below is generated by plot.py at 2018-02-01 05:46:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 101.554 ms

Loss rate: 4.56%

-- Flow 1:

Average throughput: 55.27 Mbit/s

95th percentile per-packet one-way delay: 99.483 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 37.55 Mbit/s

95th percentile per-packet one-way delay: 102.697 ms

Loss rate: 6.97%

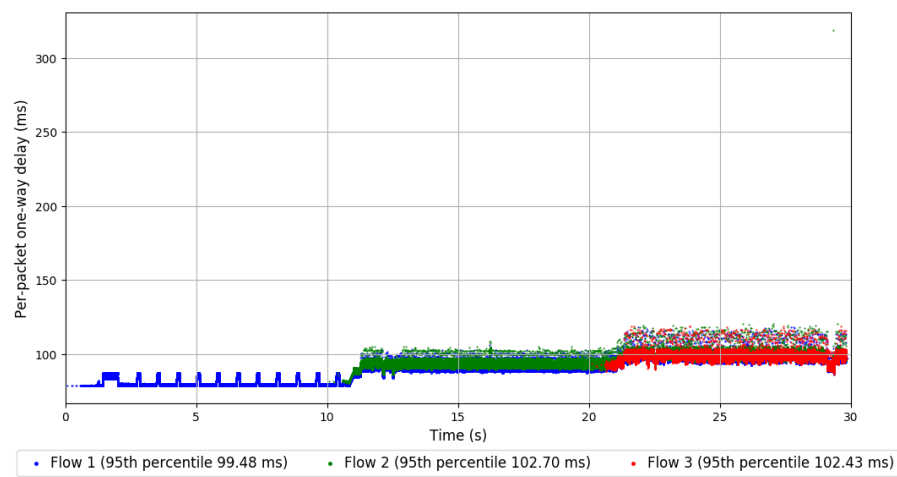
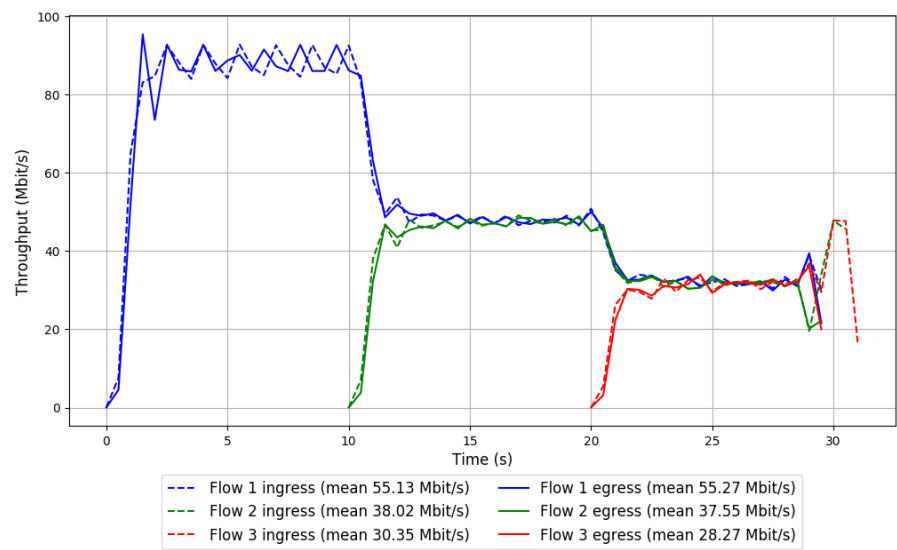
-- Flow 3:

Average throughput: 28.27 Mbit/s

95th percentile per-packet one-way delay: 102.431 ms

Loss rate: 18.91%

Run 2: Report of FillP — Data Link

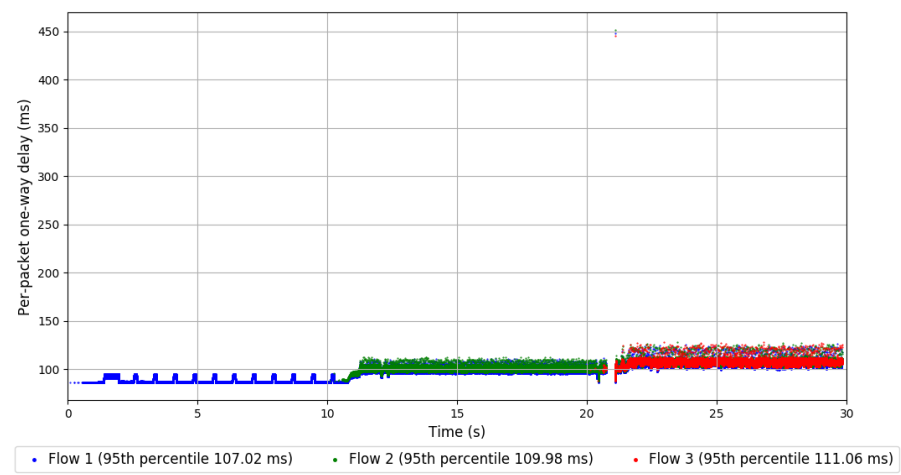
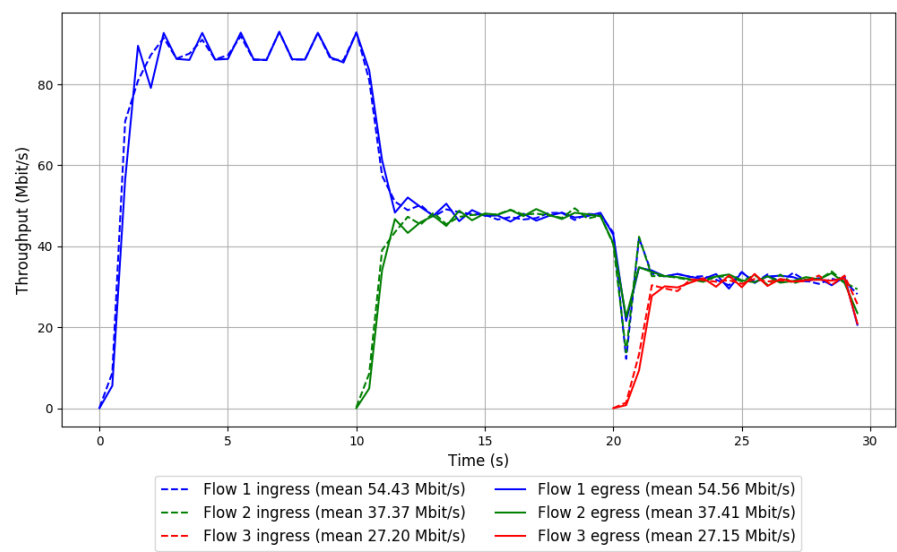


Run 3: Statistics of FillP

Start at: 2018-01-31 22:35:16
End at: 2018-01-31 22:35:46
Local clock offset: 1.101 ms
Remote clock offset: -4.031 ms

Below is generated by plot.py at 2018-02-01 05:46:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 109.209 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 107.024 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 109.976 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 111.063 ms
Loss rate: 2.18%

Run 3: Report of FillP — Data Link

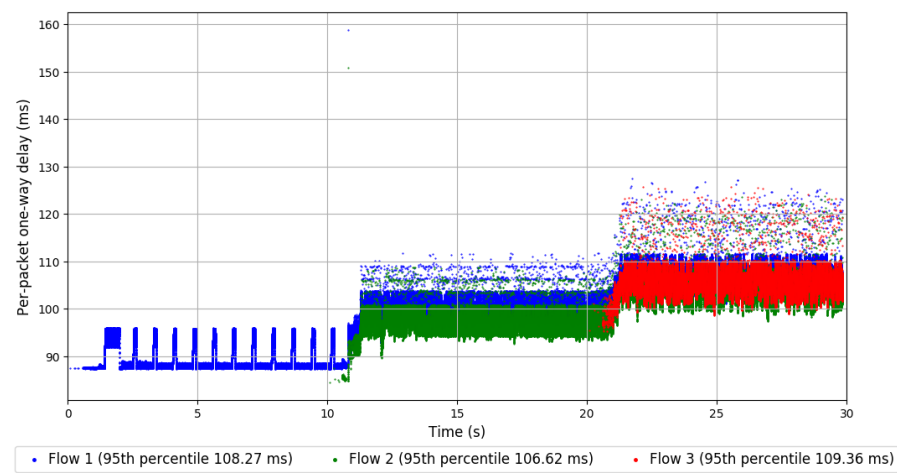
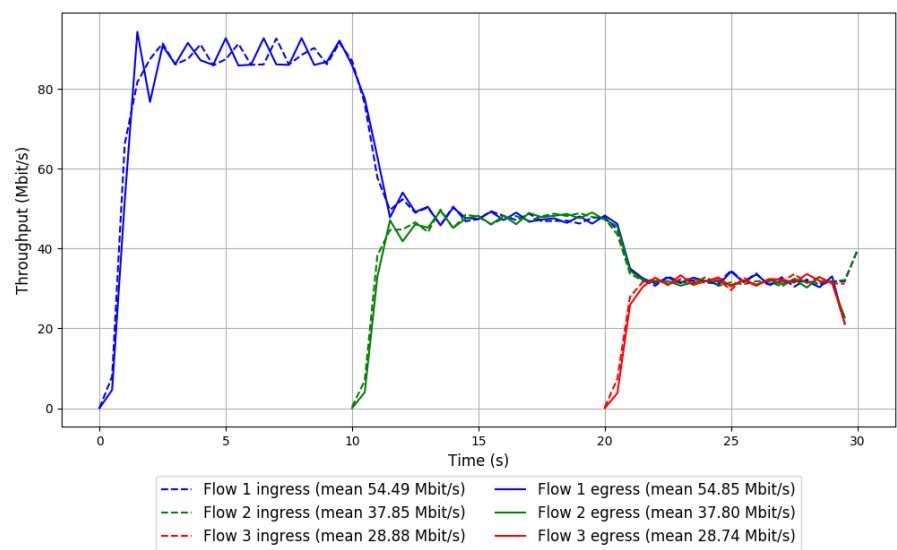


Run 4: Statistics of FillP

Start at: 2018-01-31 22:59:06
End at: 2018-01-31 22:59:36
Local clock offset: 0.964 ms
Remote clock offset: -6.166 ms

Below is generated by plot.py at 2018-02-01 05:46:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 108.159 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 54.85 Mbit/s
95th percentile per-packet one-way delay: 108.268 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 106.616 ms
Loss rate: 3.58%
-- Flow 3:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 109.359 ms
Loss rate: 2.84%

Run 4: Report of FillP — Data Link

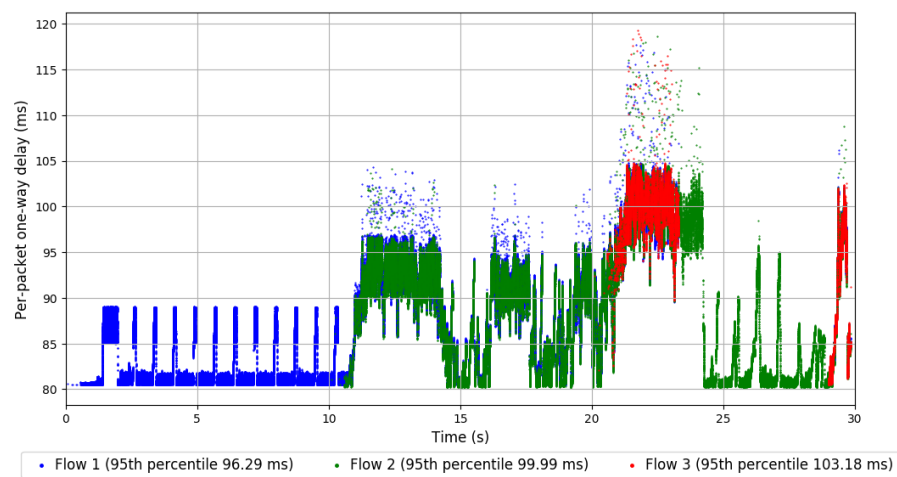
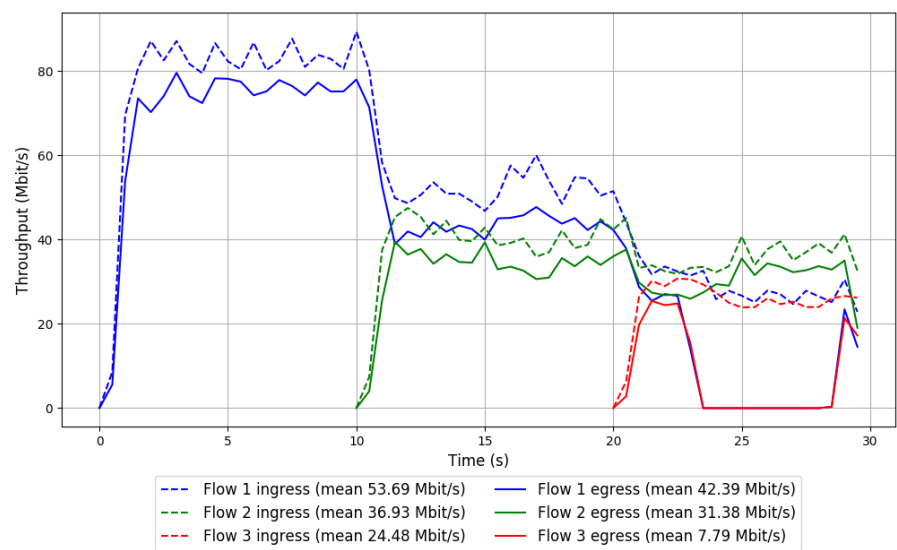


Run 5: Statistics of FillP

Start at: 2018-01-31 23:22:55
End at: 2018-01-31 23:23:25
Local clock offset: 1.004 ms
Remote clock offset: -0.545 ms

Below is generated by plot.py at 2018-02-01 05:46:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 99.690 ms
Loss rate: 24.33%
-- Flow 1:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 96.292 ms
Loss rate: 21.53%
-- Flow 2:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 99.993 ms
Loss rate: 15.78%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 103.176 ms
Loss rate: 68.78%

Run 5: Report of FillP — Data Link

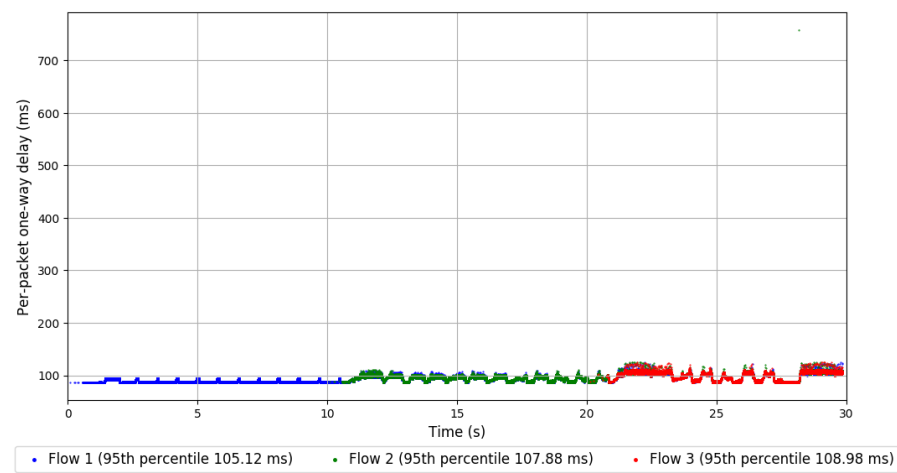
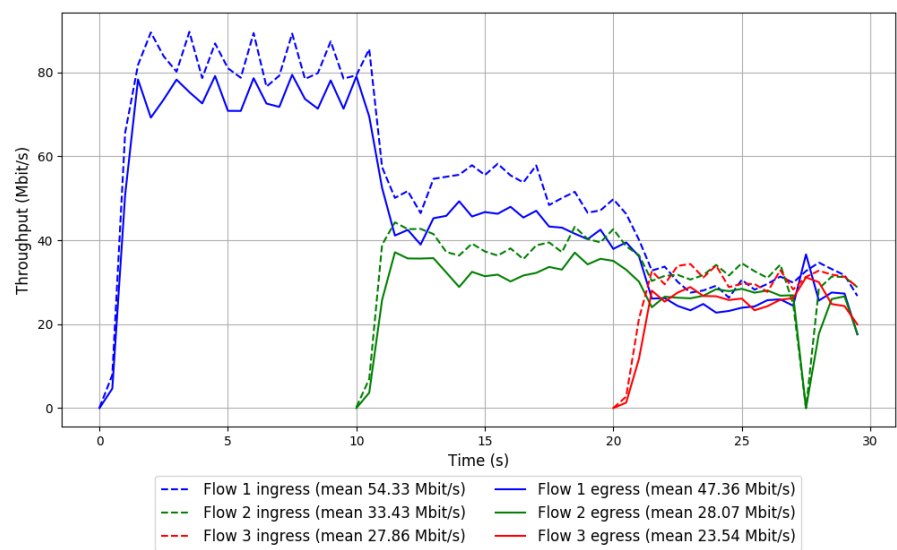


Run 6: Statistics of FillP

Start at: 2018-01-31 23:47:21
End at: 2018-01-31 23:47:51
Local clock offset: 1.017 ms
Remote clock offset: -4.866 ms

Below is generated by plot.py at 2018-02-01 05:46:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.68 Mbit/s
95th percentile per-packet one-way delay: 107.166 ms
Loss rate: 14.68%
-- Flow 1:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 105.125 ms
Loss rate: 13.40%
-- Flow 2:
Average throughput: 28.07 Mbit/s
95th percentile per-packet one-way delay: 107.876 ms
Loss rate: 16.82%
-- Flow 3:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 108.976 ms
Loss rate: 17.10%

Run 6: Report of FillP — Data Link

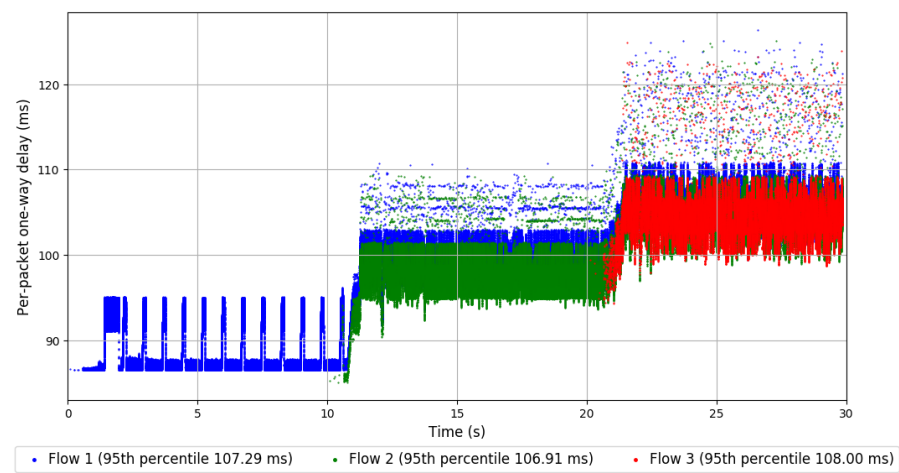
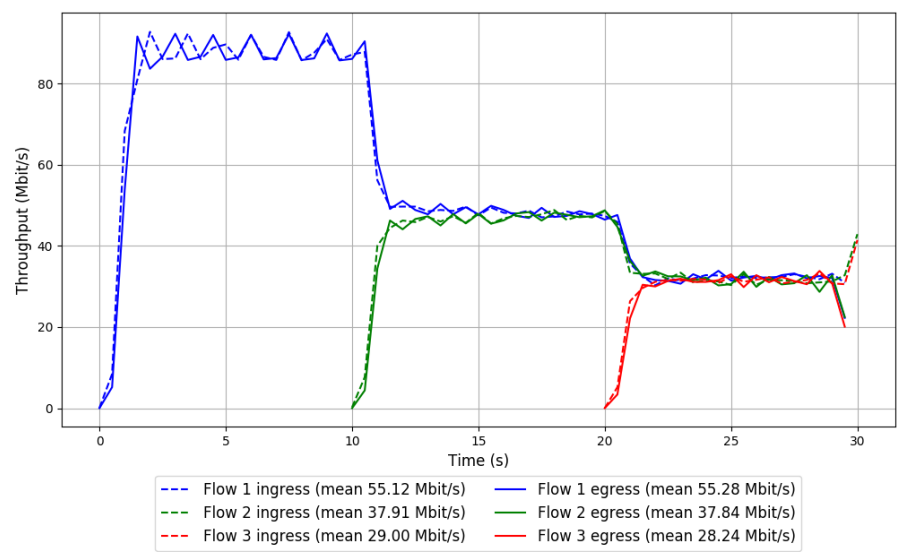


Run 7: Statistics of FillP

Start at: 2018-02-01 00:11:21
End at: 2018-02-01 00:11:51
Local clock offset: 0.9 ms
Remote clock offset: -4.147 ms

Below is generated by plot.py at 2018-02-01 05:48:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 107.331 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 107.294 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 106.907 ms
Loss rate: 3.83%
-- Flow 3:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 108.002 ms
Loss rate: 9.61%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-01 00:35:17

End at: 2018-02-01 00:35:47

Local clock offset: 0.764 ms

Remote clock offset: 2.703 ms

Below is generated by plot.py at 2018-02-01 05:48:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 101.755 ms

Loss rate: 2.60%

-- Flow 1:

Average throughput: 54.95 Mbit/s

95th percentile per-packet one-way delay: 98.417 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 37.96 Mbit/s

95th percentile per-packet one-way delay: 101.142 ms

Loss rate: 4.09%

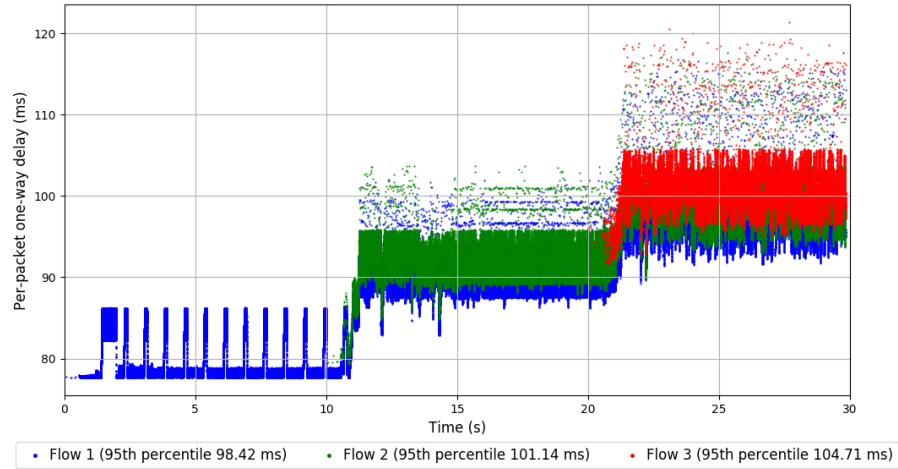
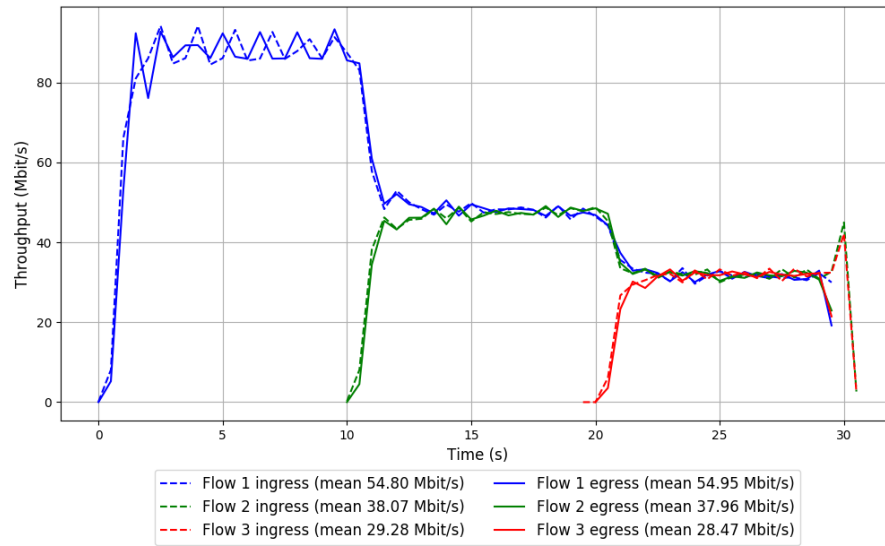
-- Flow 3:

Average throughput: 28.47 Mbit/s

95th percentile per-packet one-way delay: 104.707 ms

Loss rate: 10.08%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-01 00:59:16

End at: 2018-02-01 00:59:46

Local clock offset: 0.514 ms

Remote clock offset: 3.475 ms

Below is generated by plot.py at 2018-02-01 05:48:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.57 Mbit/s

95th percentile per-packet one-way delay: 103.060 ms

Loss rate: 3.09%

-- Flow 1:

Average throughput: 55.31 Mbit/s

95th percentile per-packet one-way delay: 102.652 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 37.99 Mbit/s

95th percentile per-packet one-way delay: 103.858 ms

Loss rate: 4.97%

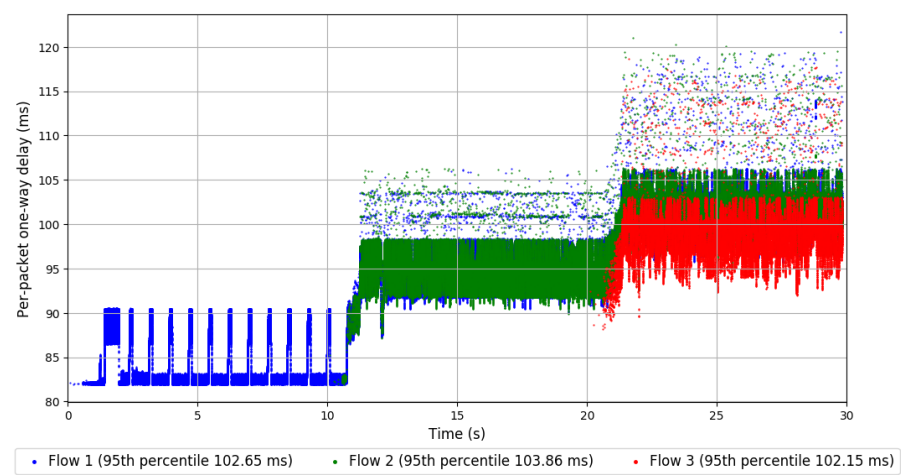
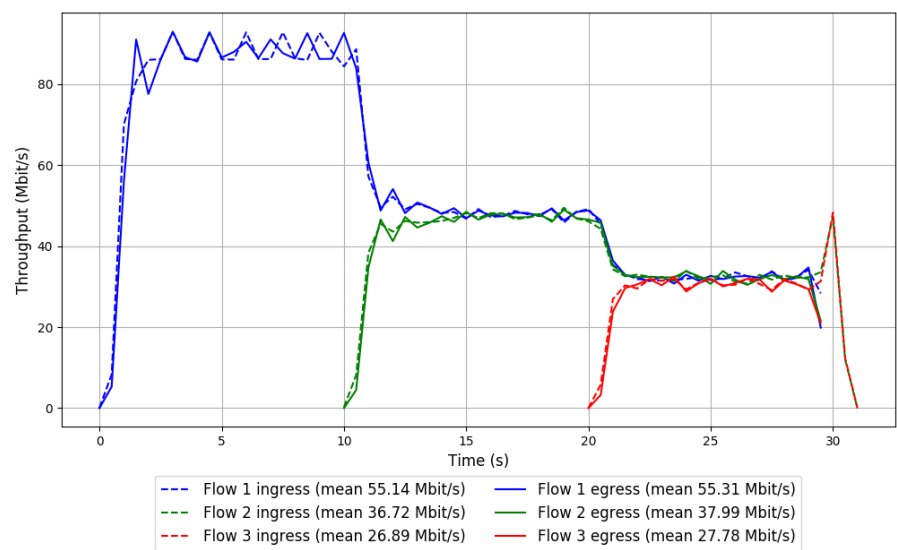
-- Flow 3:

Average throughput: 27.78 Mbit/s

95th percentile per-packet one-way delay: 102.154 ms

Loss rate: 12.47%

Run 9: Report of FillP — Data Link

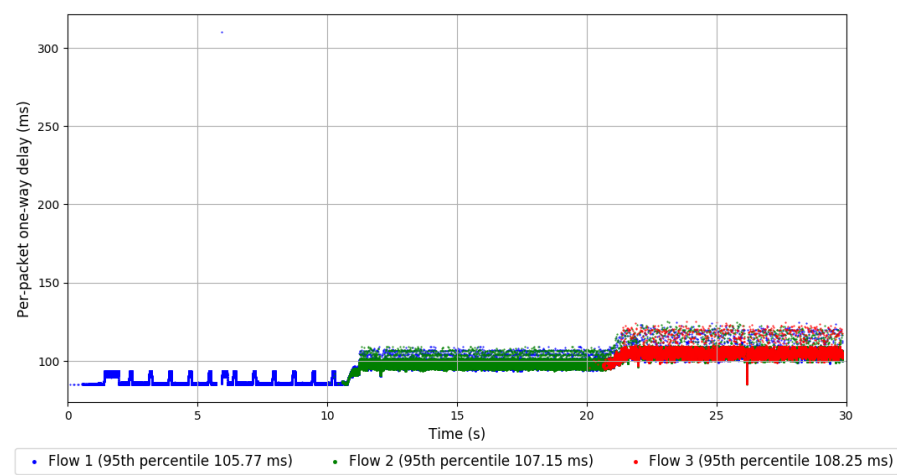
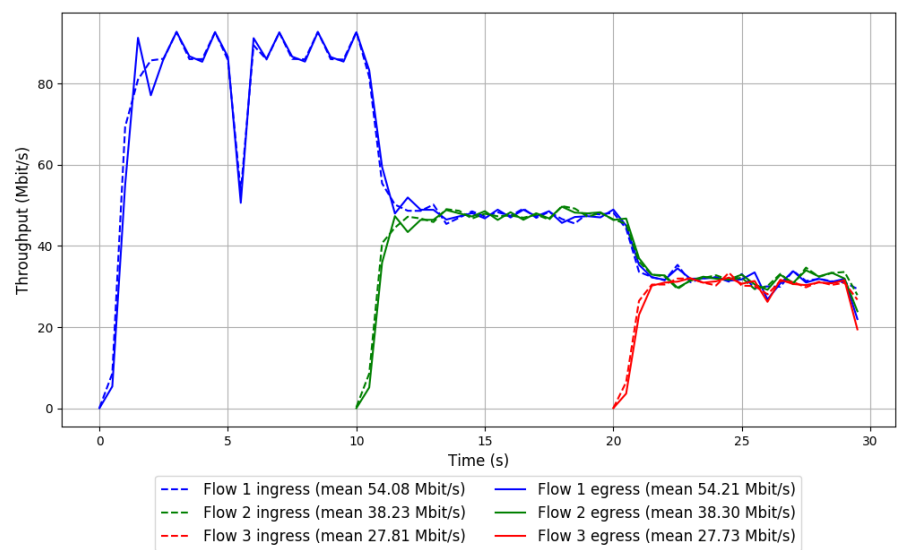


Run 10: Statistics of FillP

Start at: 2018-02-01 01:23:19
End at: 2018-02-01 01:23:49
Local clock offset: 0.231 ms
Remote clock offset: -2.276 ms

Below is generated by plot.py at 2018-02-01 05:48:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 106.728 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 105.771 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 107.152 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 108.252 ms
Loss rate: 2.39%

Run 10: Report of FillP — Data Link

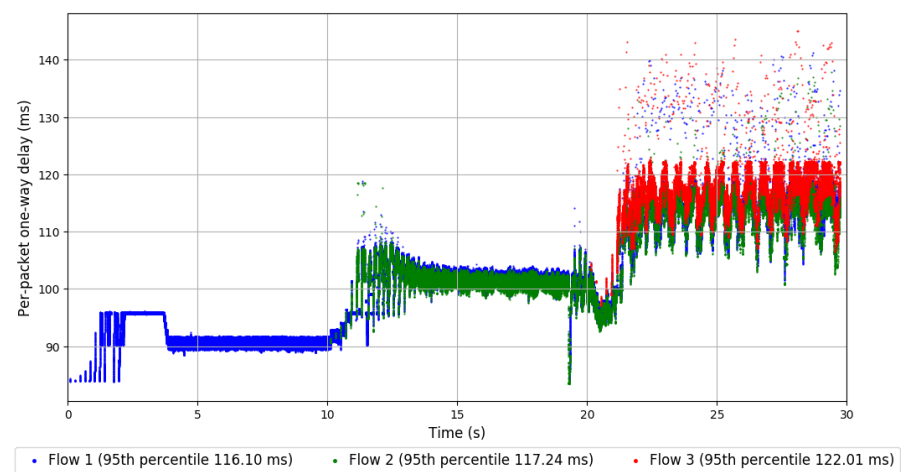
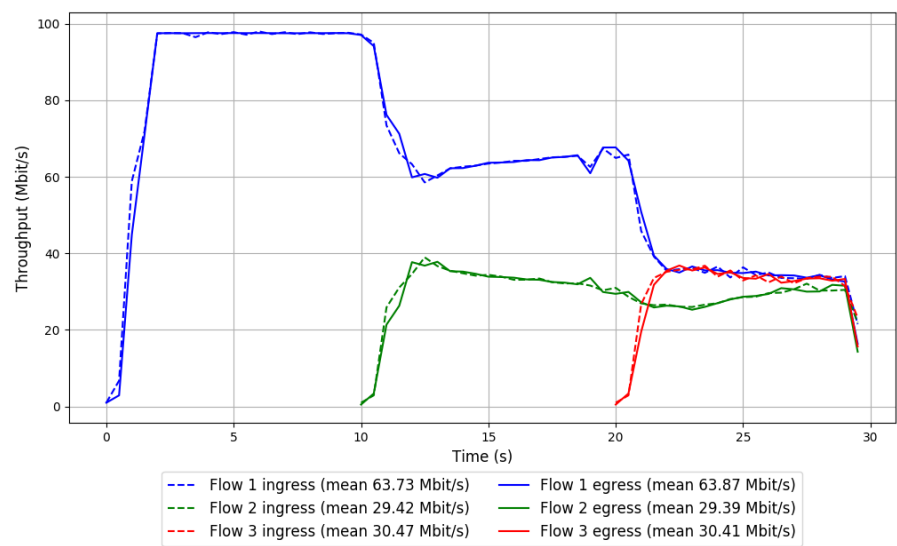


Run 1: Statistics of Indigo-1-32

Start at: 2018-01-31 21:40:46
End at: 2018-01-31 21:41:16
Local clock offset: 1.044 ms
Remote clock offset: -2.306 ms

Below is generated by plot.py at 2018-02-01 05:48:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 118.399 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 63.87 Mbit/s
95th percentile per-packet one-way delay: 116.103 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 117.240 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 122.012 ms
Loss rate: 2.41%

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

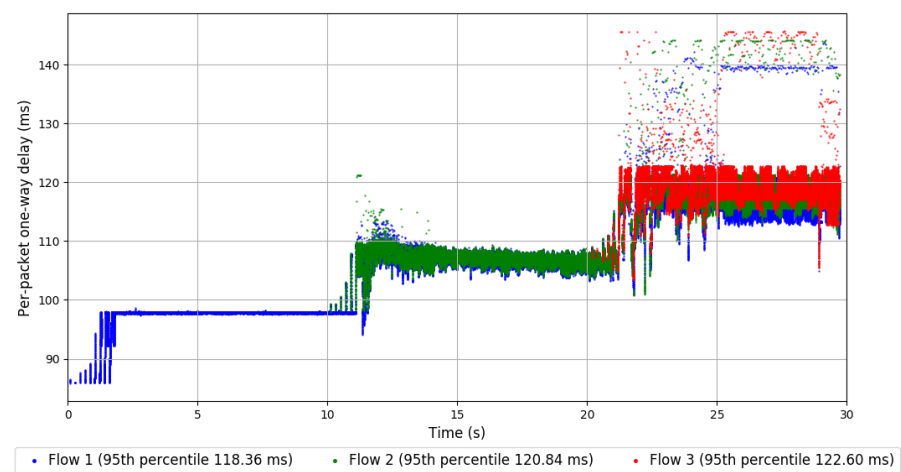
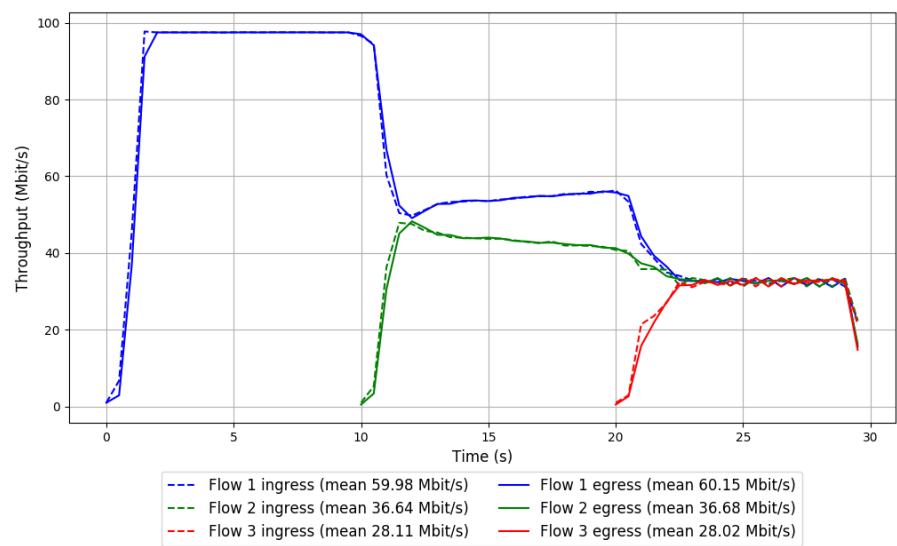


Run 2: Statistics of Indigo-1-32

Start at: 2018-01-31 22:04:51
End at: 2018-01-31 22:05:21
Local clock offset: 1.123 ms
Remote clock offset: -3.498 ms

Below is generated by plot.py at 2018-02-01 05:48:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 120.617 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 118.360 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 120.840 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 28.02 Mbit/s
95th percentile per-packet one-way delay: 122.599 ms
Loss rate: 2.65%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-01-31 22:28:43

End at: 2018-01-31 22:29:13

Local clock offset: 1.102 ms

Remote clock offset: -4.01 ms

Below is generated by plot.py at 2018-02-01 05:48:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 120.635 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 60.59 Mbit/s

95th percentile per-packet one-way delay: 117.337 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 35.63 Mbit/s

95th percentile per-packet one-way delay: 122.274 ms

Loss rate: 0.95%

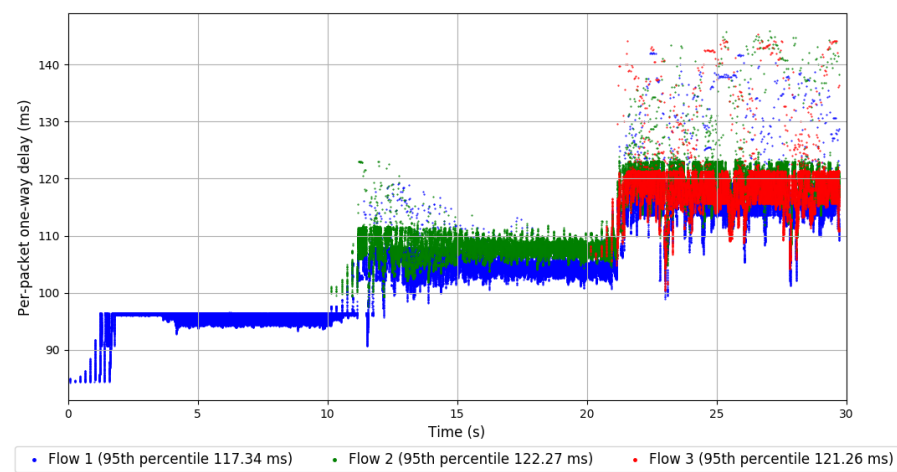
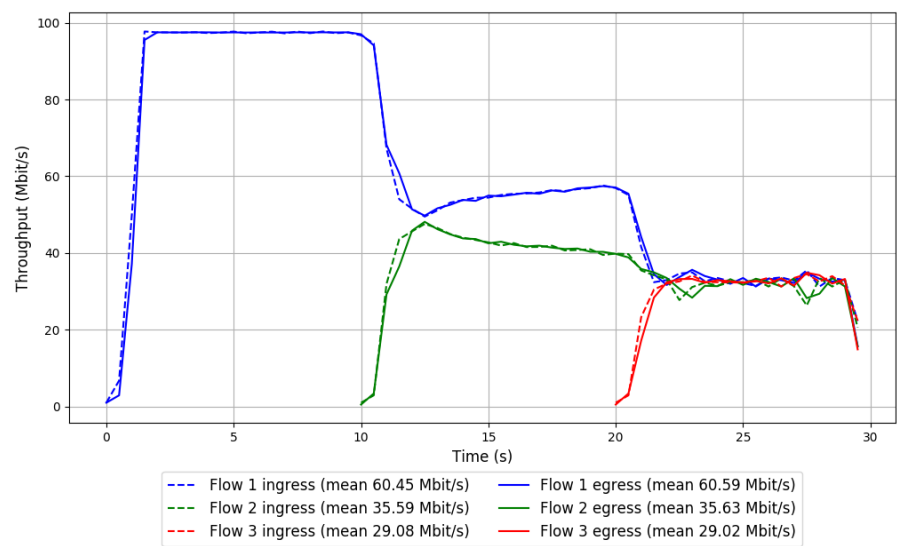
-- Flow 3:

Average throughput: 29.02 Mbit/s

95th percentile per-packet one-way delay: 121.260 ms

Loss rate: 2.53%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-01-31 22:52:34

End at: 2018-01-31 22:53:04

Local clock offset: 0.983 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-02-01 05:48:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 115.030 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 59.82 Mbit/s

95th percentile per-packet one-way delay: 114.883 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 37.16 Mbit/s

95th percentile per-packet one-way delay: 115.024 ms

Loss rate: 0.91%

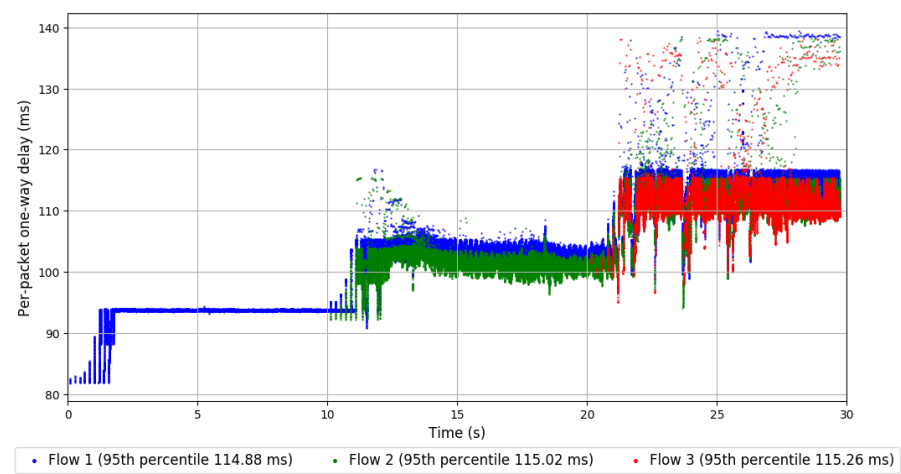
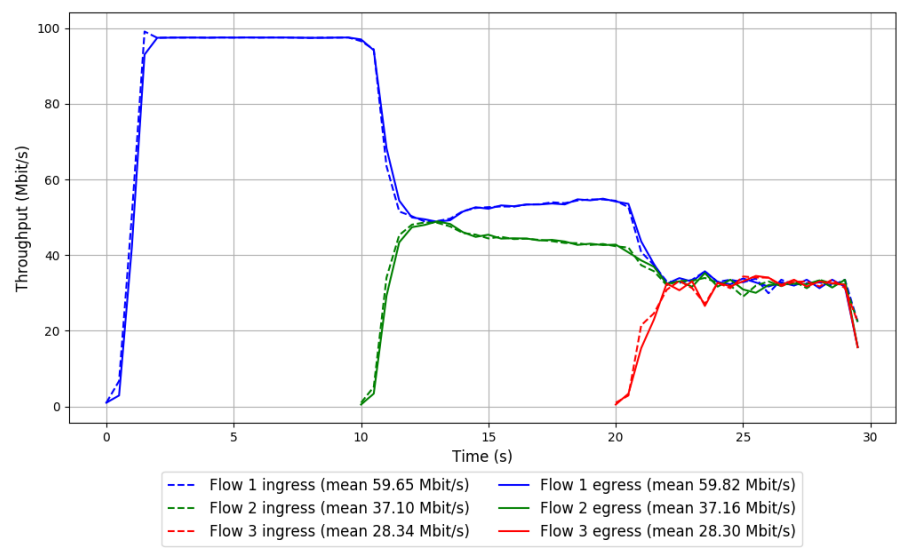
-- Flow 3:

Average throughput: 28.30 Mbit/s

95th percentile per-packet one-way delay: 115.263 ms

Loss rate: 2.42%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-01-31 23:16:23

End at: 2018-01-31 23:16:53

Local clock offset: 1.034 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-02-01 05:48:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.52 Mbit/s

95th percentile per-packet one-way delay: 114.010 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 60.05 Mbit/s

95th percentile per-packet one-way delay: 113.590 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 37.37 Mbit/s

95th percentile per-packet one-way delay: 115.253 ms

Loss rate: 0.90%

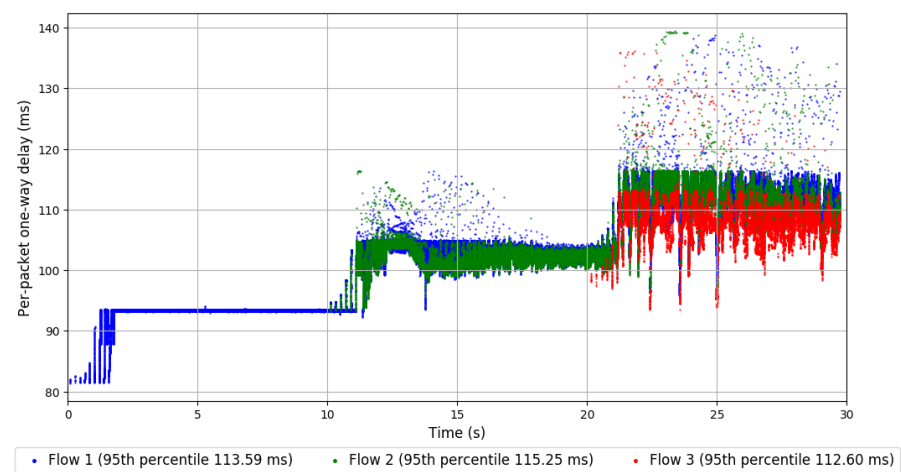
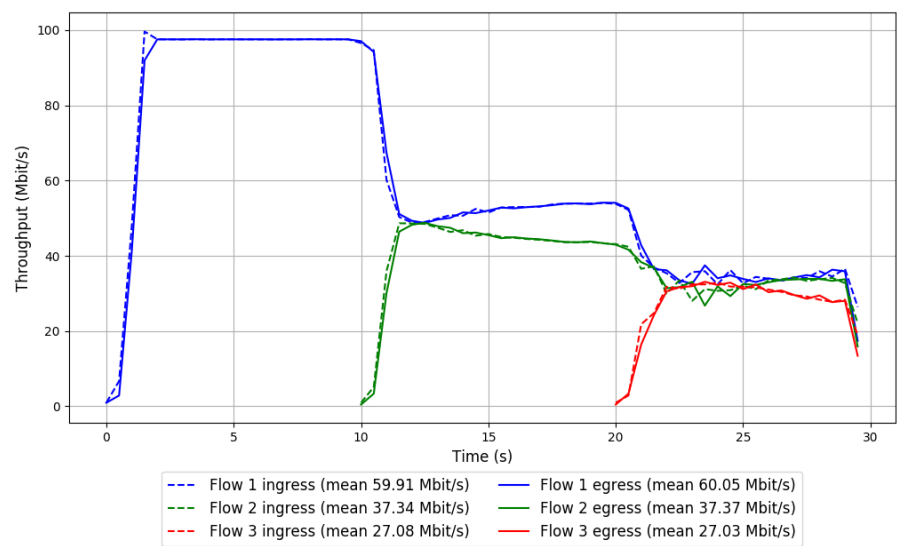
-- Flow 3:

Average throughput: 27.03 Mbit/s

95th percentile per-packet one-way delay: 112.597 ms

Loss rate: 2.20%

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

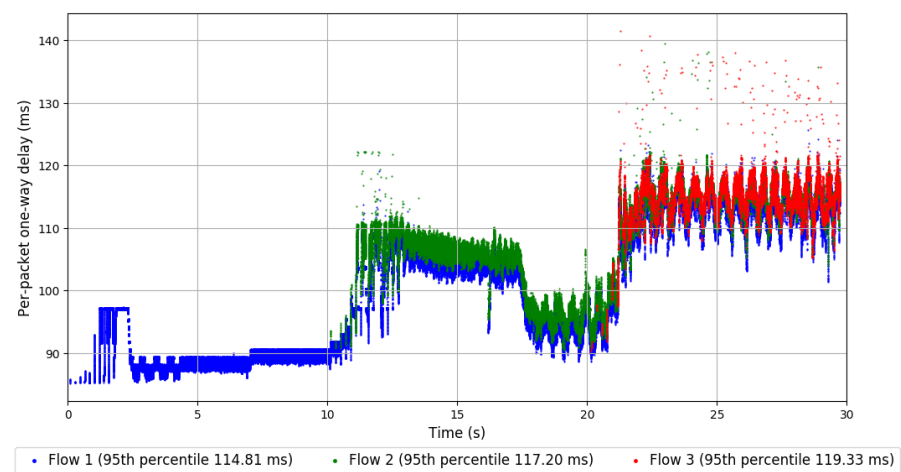
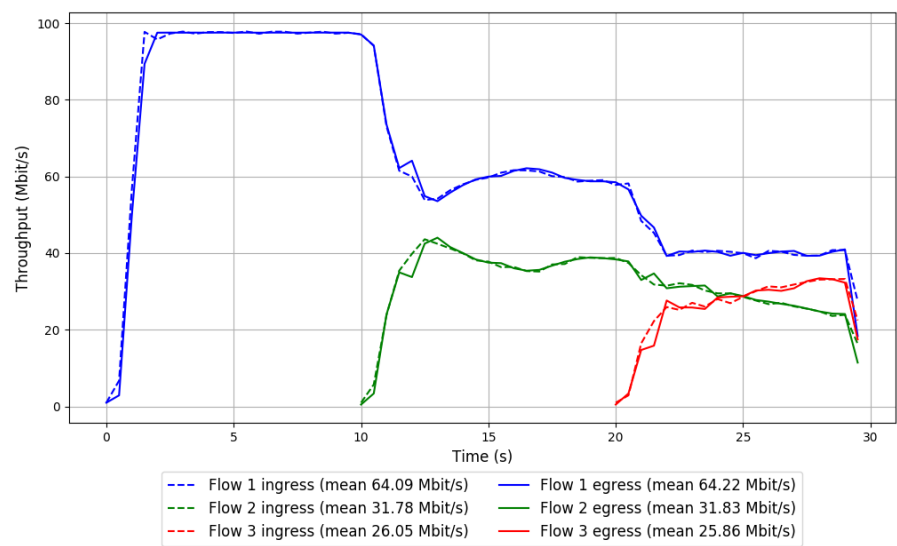


Run 6: Statistics of Indigo-1-32

Start at: 2018-01-31 23:40:46
End at: 2018-01-31 23:41:16
Local clock offset: 0.999 ms
Remote clock offset: -5.294 ms

Below is generated by plot.py at 2018-02-01 05:48:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 116.869 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 114.810 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 117.203 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 25.86 Mbit/s
95th percentile per-packet one-way delay: 119.331 ms
Loss rate: 2.64%

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

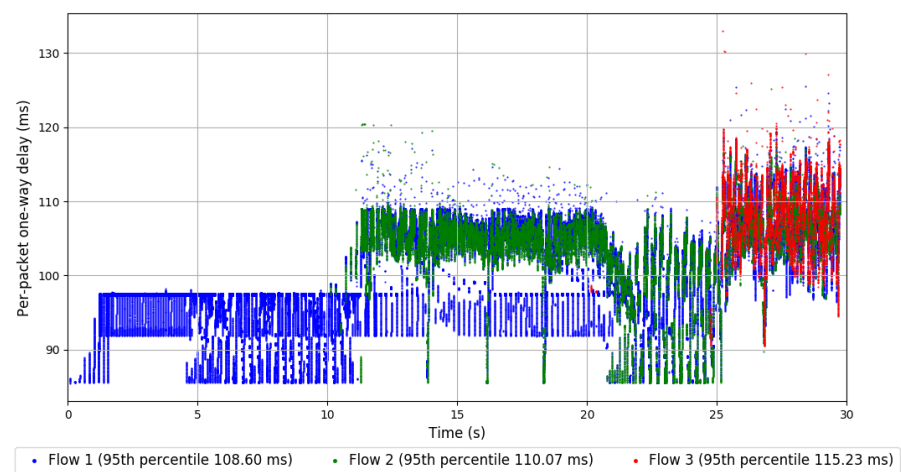
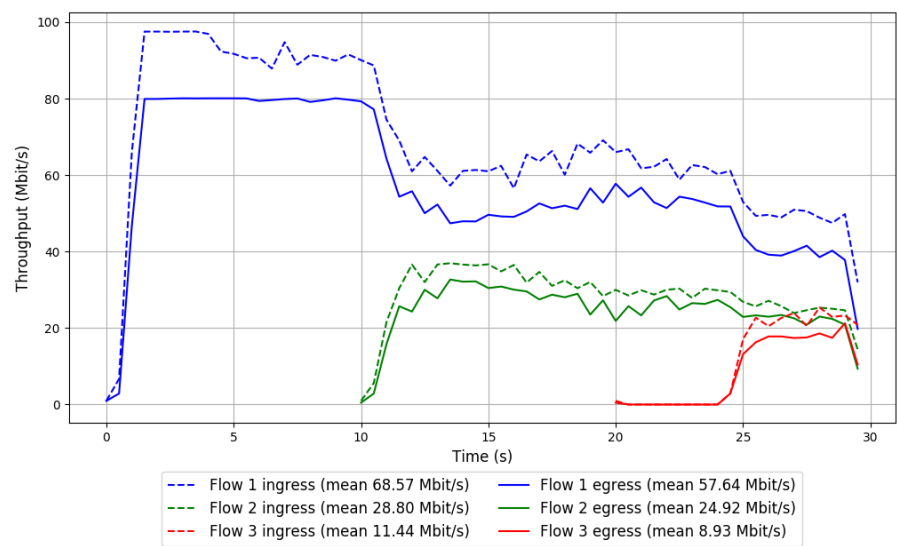


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-01 00:04:39
End at: 2018-02-01 00:05:09
Local clock offset: 1.021 ms
Remote clock offset: -4.353 ms

Below is generated by plot.py at 2018-02-01 05:48:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 109.573 ms
Loss rate: 16.32%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 108.599 ms
Loss rate: 16.49%
-- Flow 2:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 110.073 ms
Loss rate: 14.31%
-- Flow 3:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 115.233 ms
Loss rate: 23.52%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-01 00:28:43

End at: 2018-02-01 00:29:13

Local clock offset: 0.81 ms

Remote clock offset: 0.495 ms

Below is generated by plot.py at 2018-02-01 05:48:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 115.877 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 61.11 Mbit/s

95th percentile per-packet one-way delay: 115.549 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 35.70 Mbit/s

95th percentile per-packet one-way delay: 115.361 ms

Loss rate: 1.05%

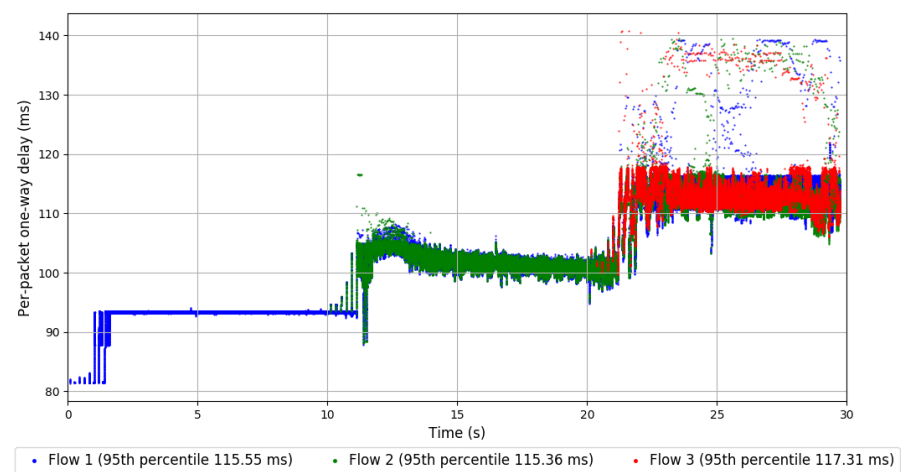
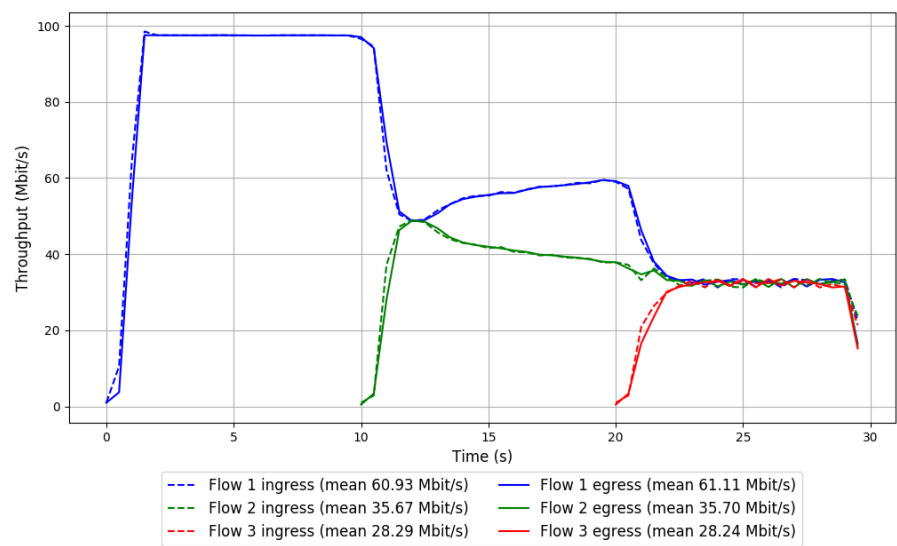
-- Flow 3:

Average throughput: 28.24 Mbit/s

95th percentile per-packet one-way delay: 117.308 ms

Loss rate: 2.43%

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

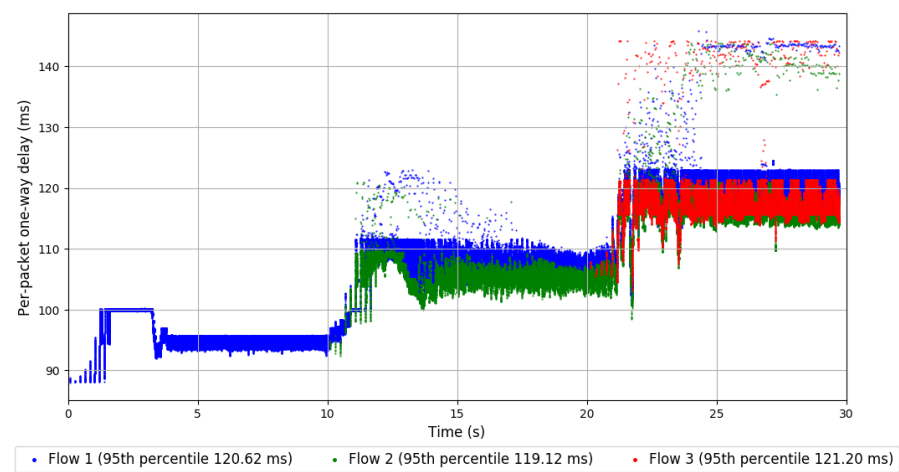
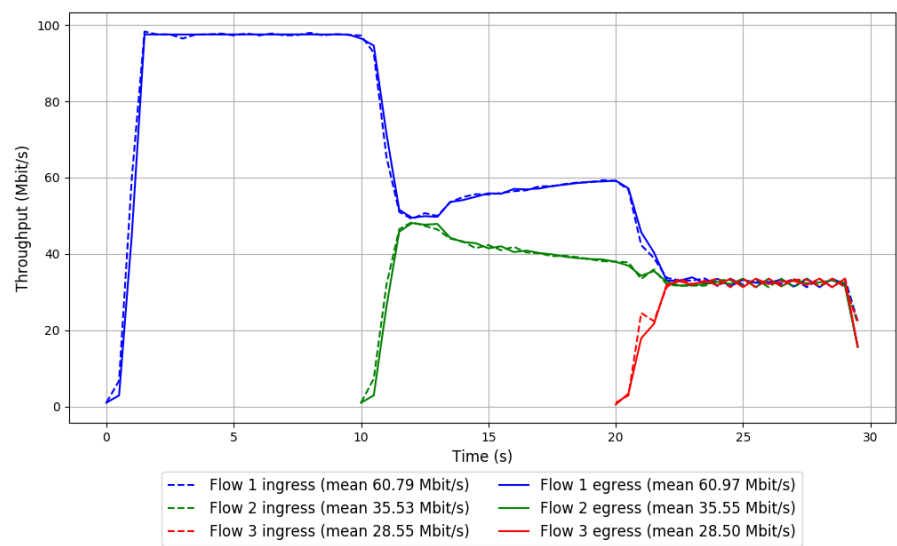


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-01 00:52:44
End at: 2018-02-01 00:53:14
Local clock offset: 0.557 ms
Remote clock offset: -2.447 ms

Below is generated by plot.py at 2018-02-01 05:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 120.553 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 60.97 Mbit/s
95th percentile per-packet one-way delay: 120.623 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 119.125 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 121.203 ms
Loss rate: 2.40%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-01 01:16:34

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

Local clock offset: 0.227 ms

Remote clock offset: 2.751 ms

Below is generated by plot.py at 2018-02-01 05:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 103.257 ms

Loss rate: 15.42%

-- Flow 1:

Average throughput: 59.44 Mbit/s

95th percentile per-packet one-way delay: 102.689 ms

Loss rate: 12.04%

-- Flow 2:

Average throughput: 20.54 Mbit/s

95th percentile per-packet one-way delay: 104.573 ms

Loss rate: 28.82%

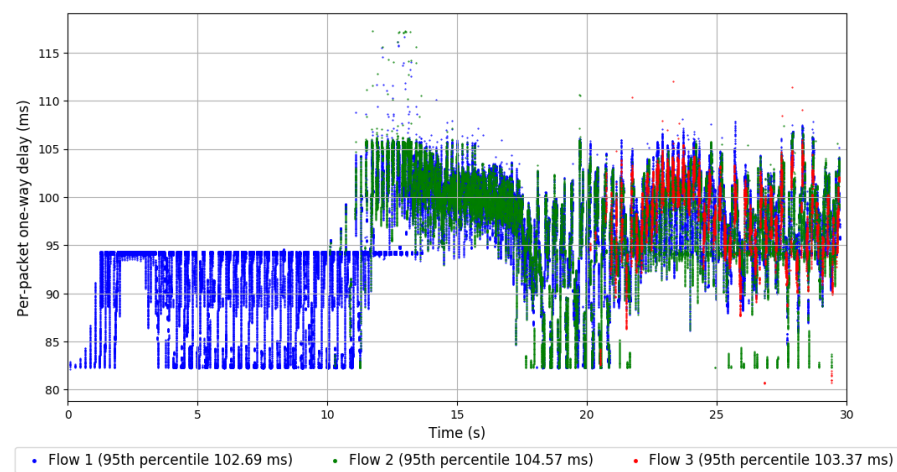
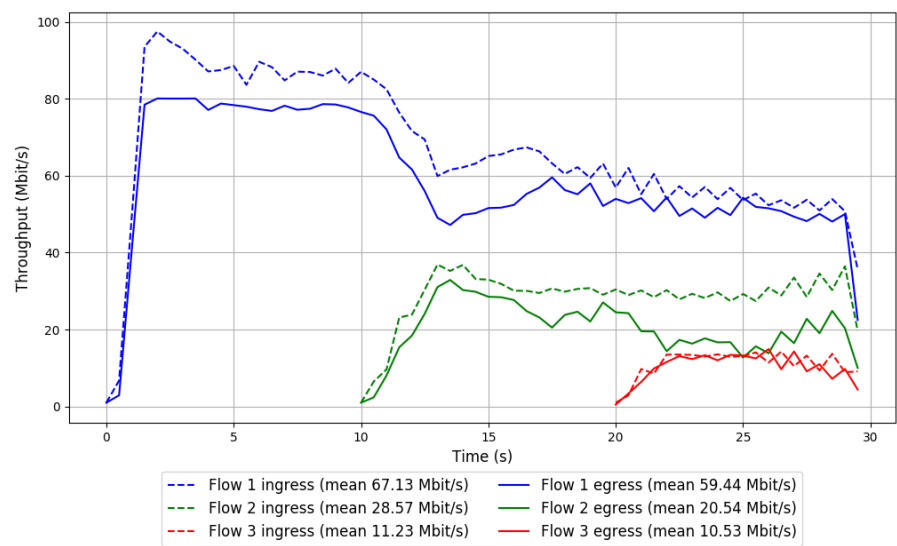
-- Flow 3:

Average throughput: 10.53 Mbit/s

95th percentile per-packet one-way delay: 103.371 ms

Loss rate: 8.09%

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



Run 1: Statistics of Vivace-latency

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

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

Local clock offset: 1.023 ms

Remote clock offset: 2.633 ms

Below is generated by plot.py at 2018-02-01 05:49:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 95.139 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 58.46 Mbit/s

95th percentile per-packet one-way delay: 94.644 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 23.69 Mbit/s

95th percentile per-packet one-way delay: 97.982 ms

Loss rate: 1.31%

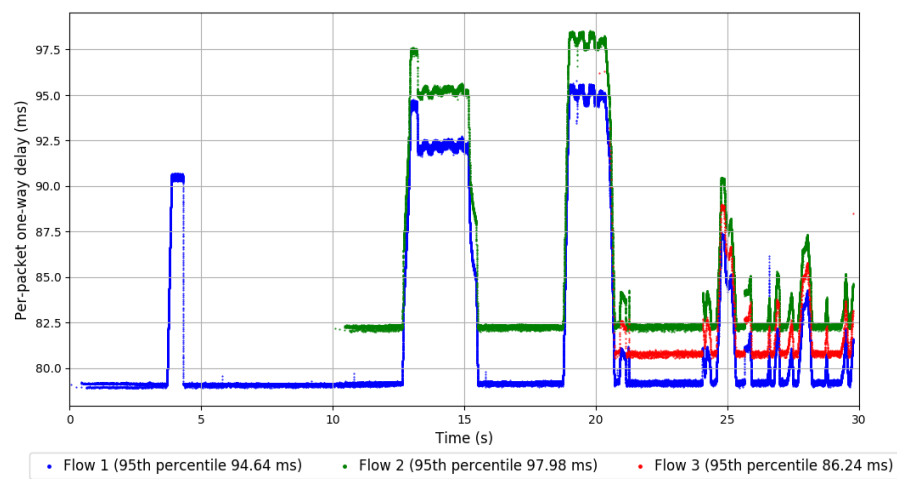
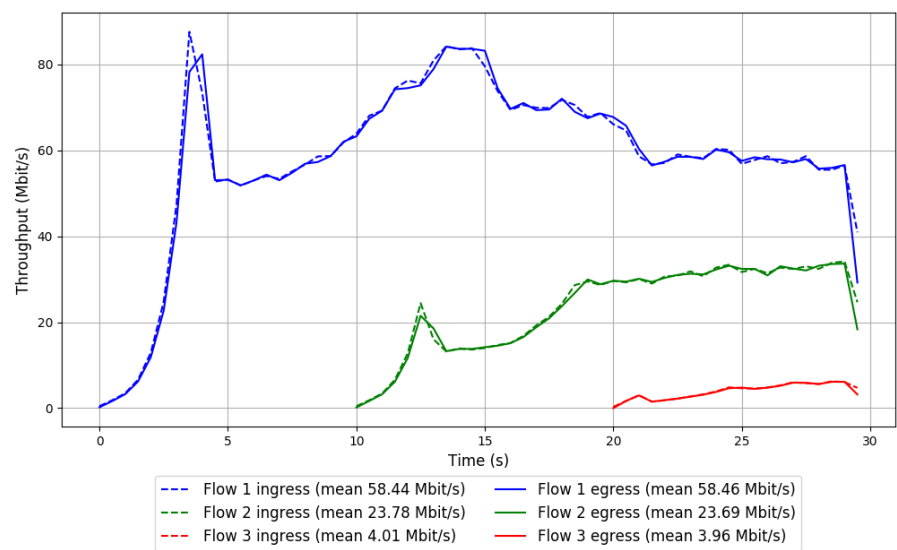
-- Flow 3:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 86.242 ms

Loss rate: 3.13%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-01-31 21:59:28

End at: 2018-01-31 21:59:58

Local clock offset: 1.16 ms

Remote clock offset: 2.27 ms

Below is generated by plot.py at 2018-02-01 05:49:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.70 Mbit/s

95th percentile per-packet one-way delay: 97.411 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 67.17 Mbit/s

95th percentile per-packet one-way delay: 97.504 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 96.455 ms

Loss rate: 1.53%

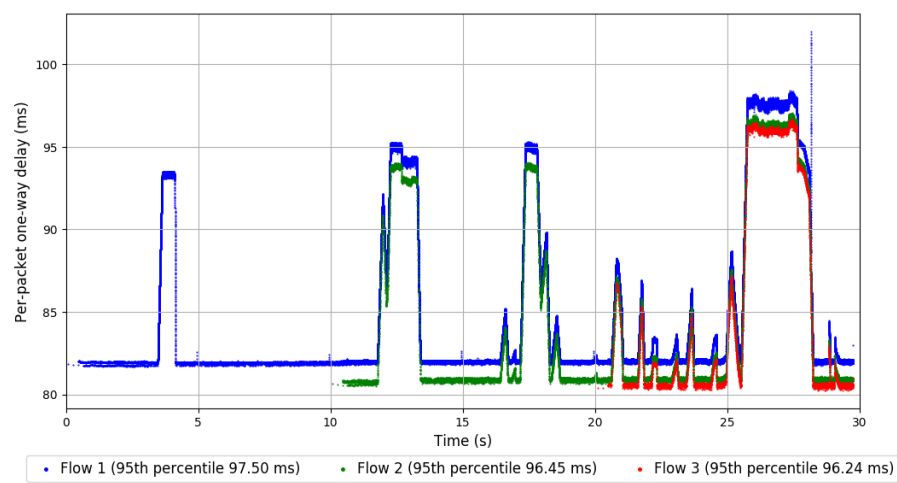
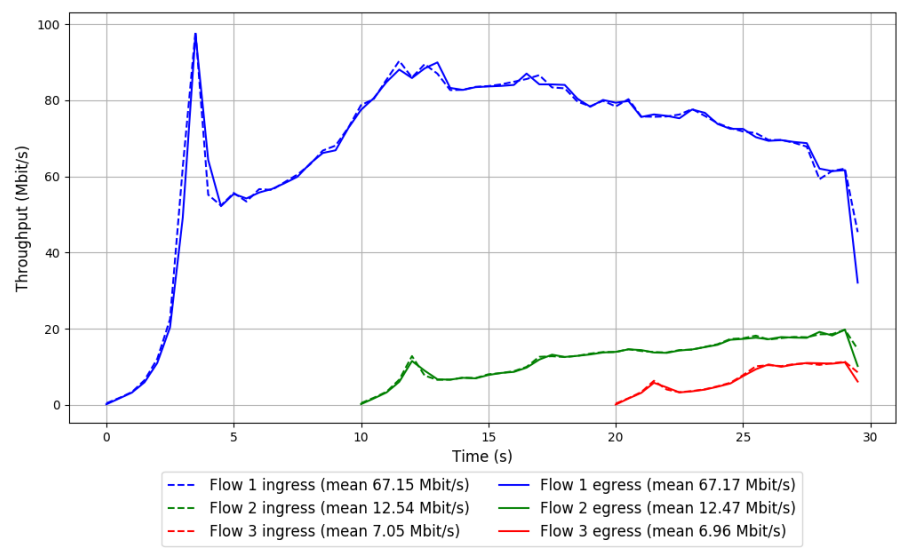
-- Flow 3:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 96.244 ms

Loss rate: 3.14%

Run 2: Report of Vivace-latency — Data Link

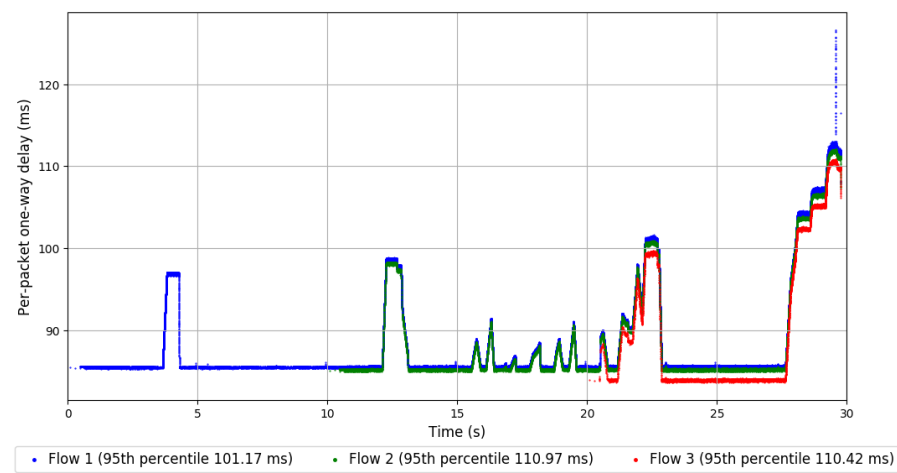
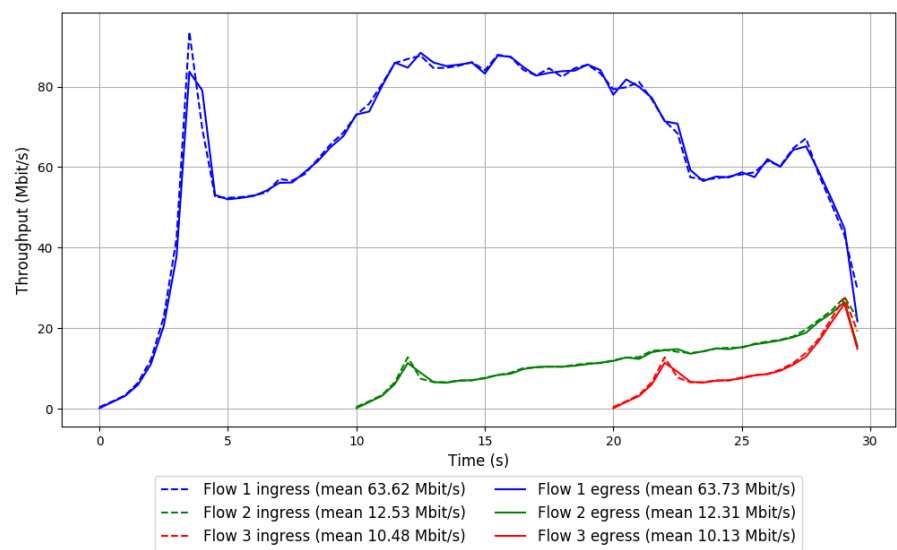


Run 3: Statistics of Vivace-latency

Start at: 2018-01-31 22:23:21
End at: 2018-01-31 22:23:51
Local clock offset: 1.084 ms
Remote clock offset: -3.077 ms

Below is generated by plot.py at 2018-02-01 05:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 104.920 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 101.169 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 110.973 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 110.415 ms
Loss rate: 5.13%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-31 22:47:13

End at: 2018-01-31 22:47:43

Local clock offset: 0.973 ms

Remote clock offset: 0.558 ms

Below is generated by plot.py at 2018-02-01 05:50:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.30 Mbit/s

95th percentile per-packet one-way delay: 96.690 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 65.94 Mbit/s

95th percentile per-packet one-way delay: 96.245 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 14.40 Mbit/s

95th percentile per-packet one-way delay: 98.022 ms

Loss rate: 1.66%

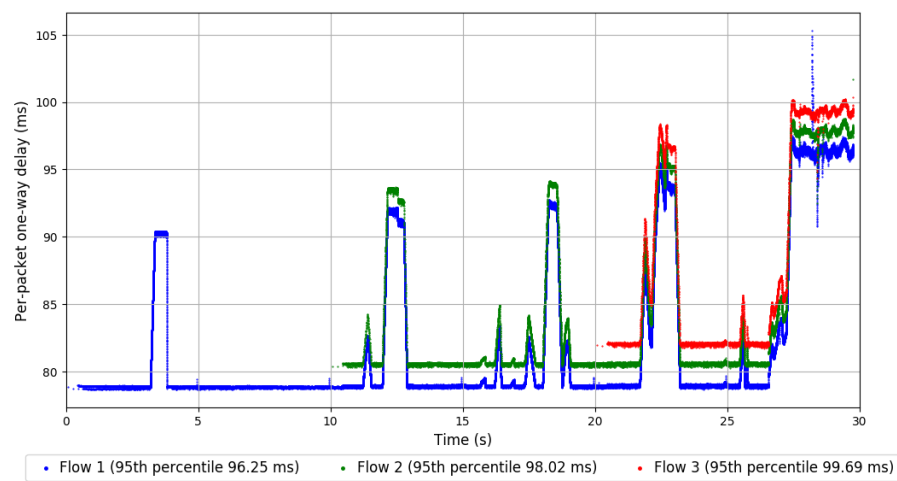
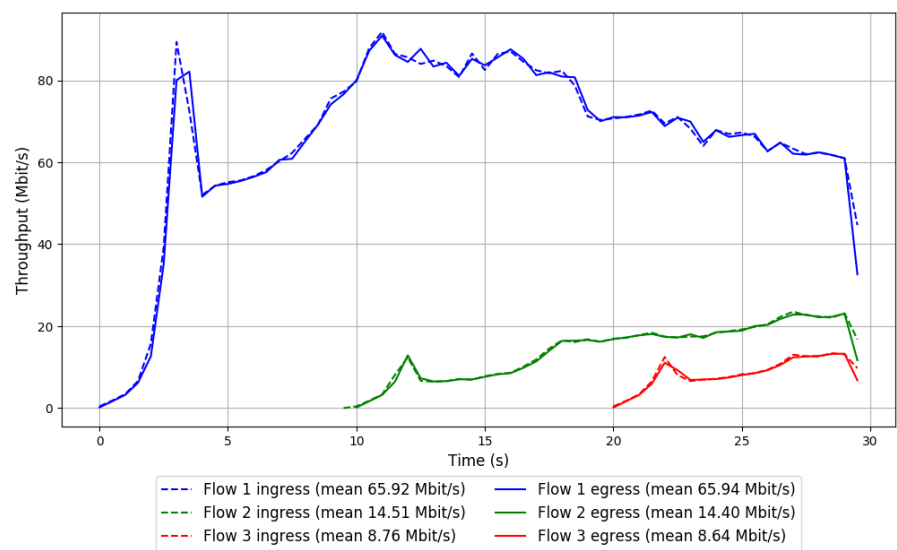
-- Flow 3:

Average throughput: 8.64 Mbit/s

95th percentile per-packet one-way delay: 99.695 ms

Loss rate: 3.17%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-31 23:11:03

End at: 2018-01-31 23:11:33

Local clock offset: 1.049 ms

Remote clock offset: -0.61 ms

Below is generated by plot.py at 2018-02-01 05:50:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.80 Mbit/s

95th percentile per-packet one-way delay: 93.299 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 68.58 Mbit/s

95th percentile per-packet one-way delay: 93.084 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 10.37 Mbit/s

95th percentile per-packet one-way delay: 91.093 ms

Loss rate: 1.23%

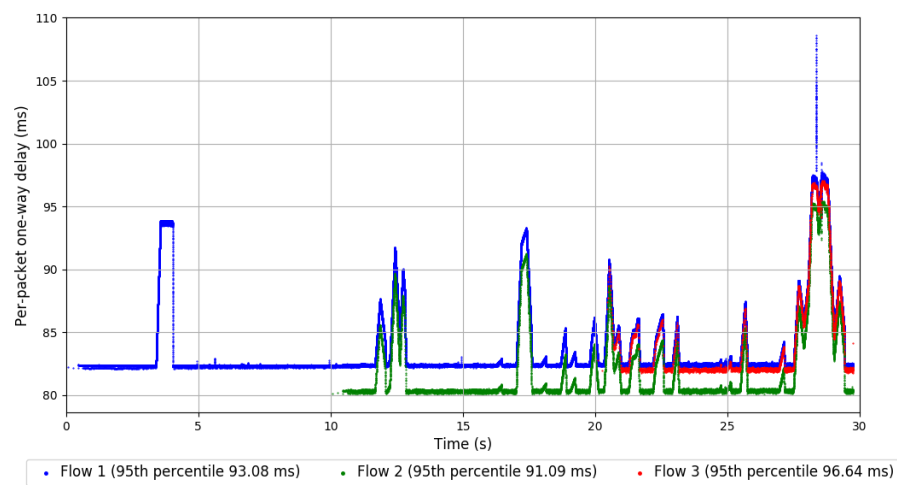
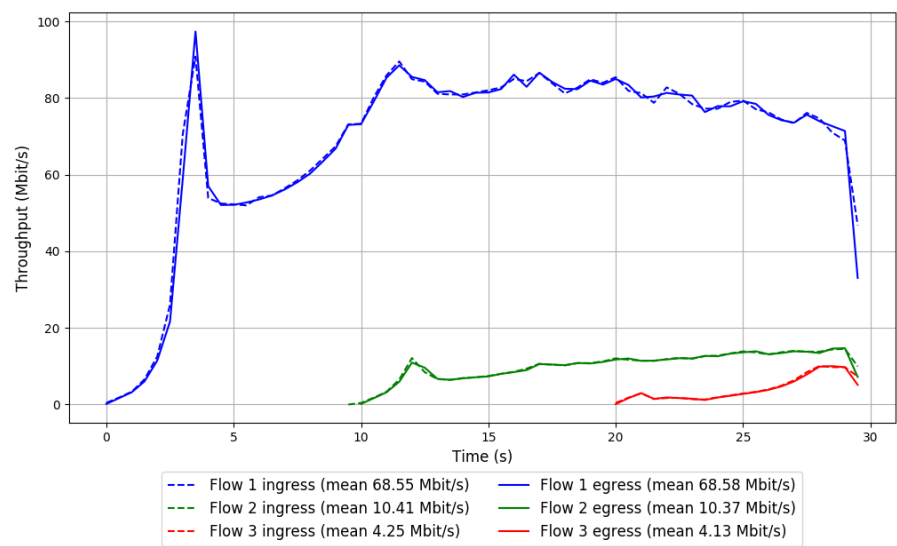
-- Flow 3:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 96.643 ms

Loss rate: 4.62%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-01-31 23:35:23

End at: 2018-01-31 23:35:53

Local clock offset: 0.971 ms

Remote clock offset: -6.24 ms

Below is generated by plot.py at 2018-02-01 05:50:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.65 Mbit/s

95th percentile per-packet one-way delay: 119.304 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 53.31 Mbit/s

95th percentile per-packet one-way delay: 117.102 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 29.32 Mbit/s

95th percentile per-packet one-way delay: 120.620 ms

Loss rate: 2.00%

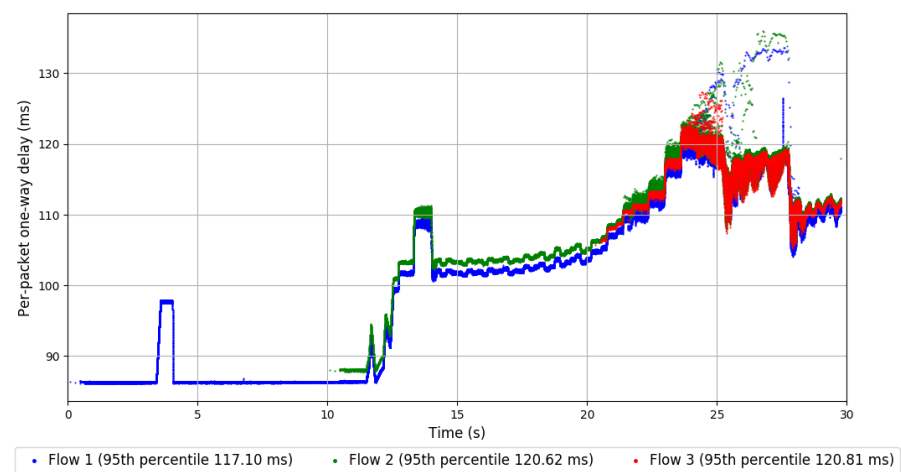
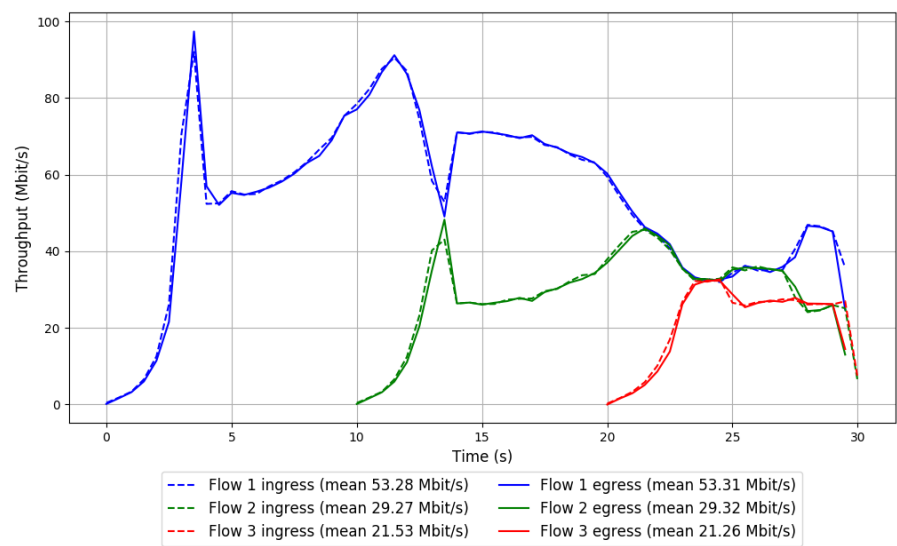
-- Flow 3:

Average throughput: 21.26 Mbit/s

95th percentile per-packet one-way delay: 120.815 ms

Loss rate: 5.75%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-01-31 23:59:19

End at: 2018-01-31 23:59:49

Local clock offset: 1.009 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-02-01 05:50:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.73 Mbit/s

95th percentile per-packet one-way delay: 82.519 ms

Loss rate: 2.49%

-- Flow 1:

Average throughput: 60.16 Mbit/s

95th percentile per-packet one-way delay: 80.471 ms

Loss rate: 2.38%

-- Flow 2:

Average throughput: 8.16 Mbit/s

95th percentile per-packet one-way delay: 82.573 ms

Loss rate: 3.37%

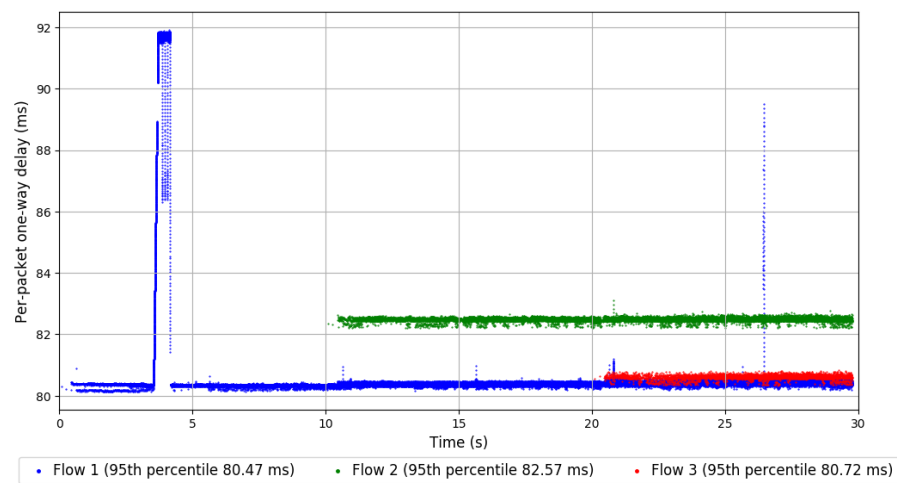
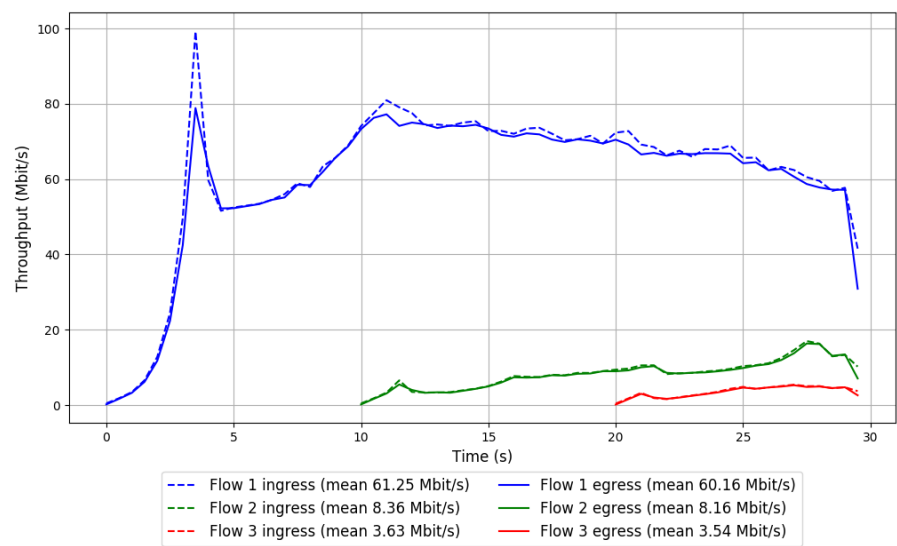
-- Flow 3:

Average throughput: 3.54 Mbit/s

95th percentile per-packet one-way delay: 80.725 ms

Loss rate: 4.34%

Run 7: Report of Vivace-latency — Data Link

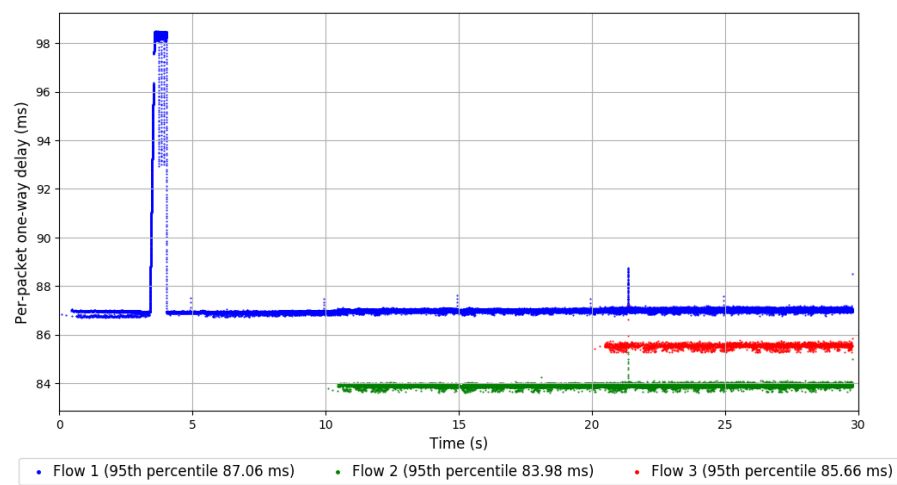
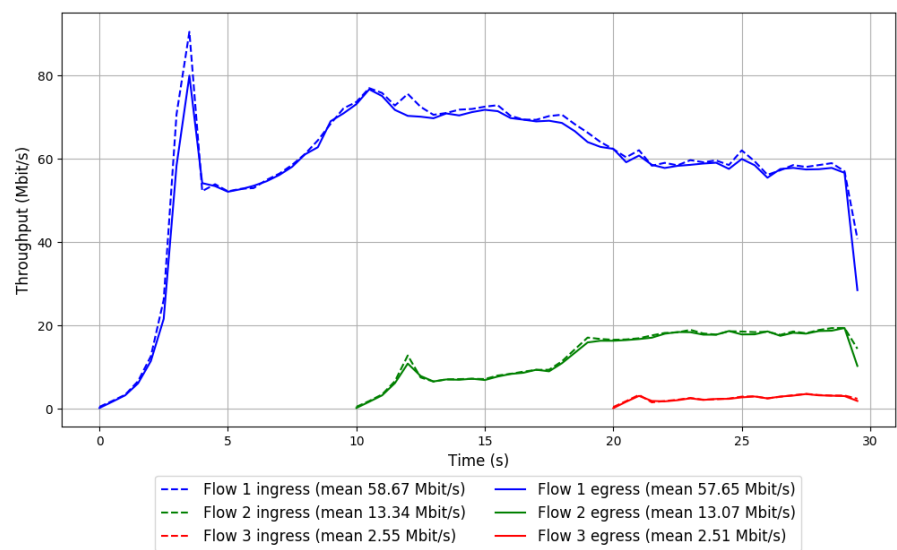


Run 8: Statistics of Vivace-latency

Start at: 2018-02-01 00:23:19
End at: 2018-02-01 00:23:49
Local clock offset: 0.772 ms
Remote clock offset: -3.698 ms

Below is generated by plot.py at 2018-02-01 05:50:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.13 Mbit/s
95th percentile per-packet one-way delay: 87.056 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 87.065 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 83.985 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 85.662 ms
Loss rate: 3.44%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-01 00:47:21

End at: 2018-02-01 00:47:51

Local clock offset: 0.61 ms

Remote clock offset: 2.828 ms

Below is generated by plot.py at 2018-02-01 05:50:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.44 Mbit/s

95th percentile per-packet one-way delay: 93.831 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 65.99 Mbit/s

95th percentile per-packet one-way delay: 93.878 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 15.33 Mbit/s

95th percentile per-packet one-way delay: 92.830 ms

Loss rate: 1.45%

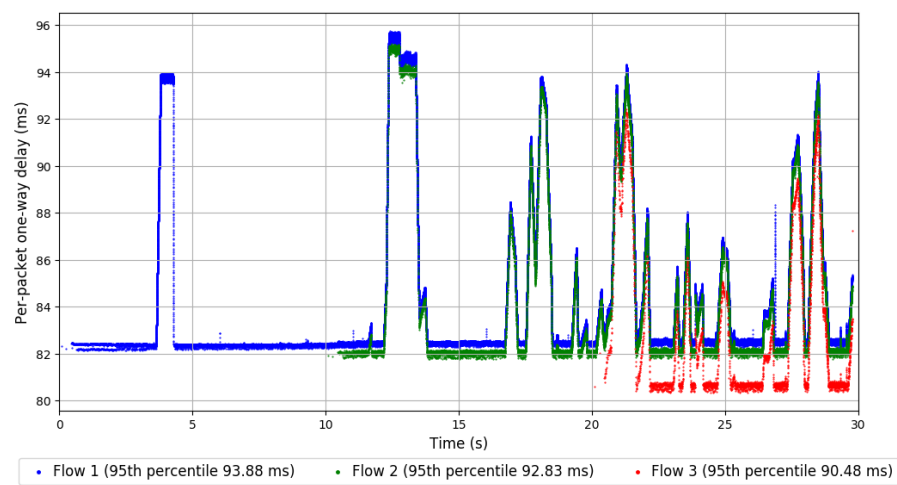
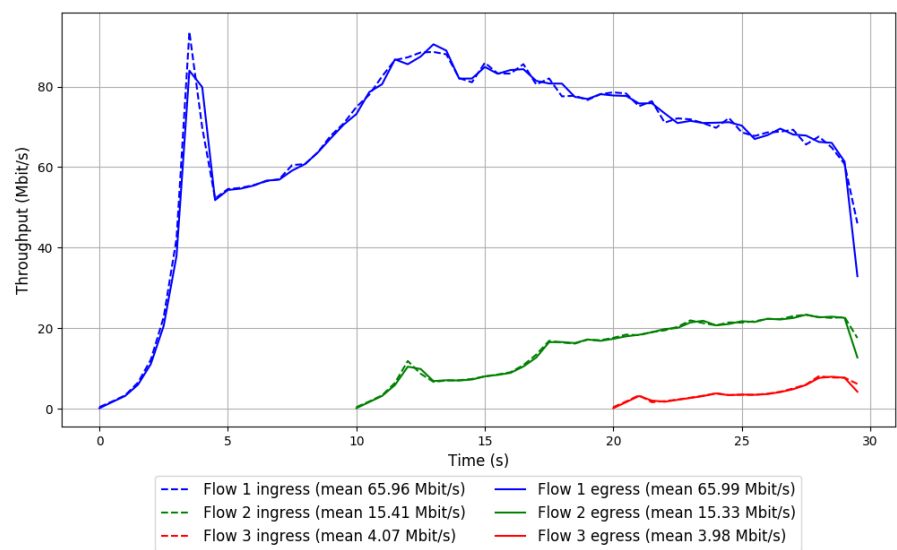
-- Flow 3:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 90.484 ms

Loss rate: 4.00%

Run 9: Report of Vivace-latency — Data Link

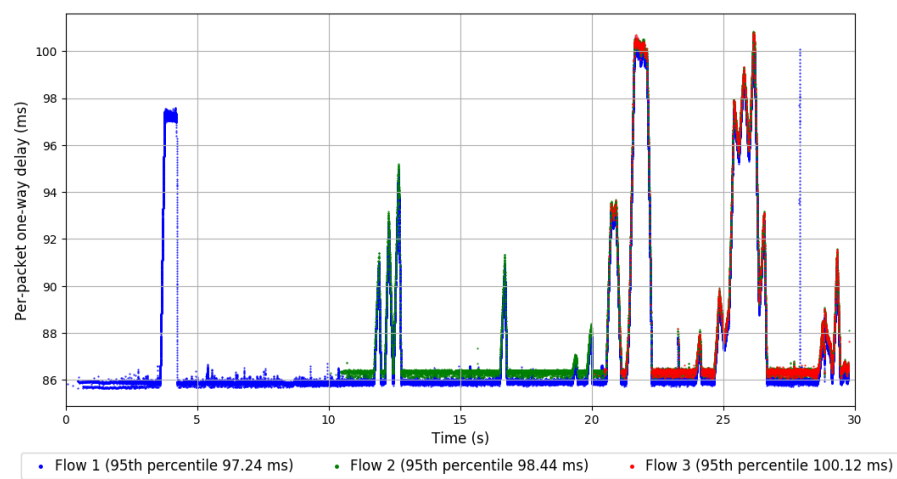
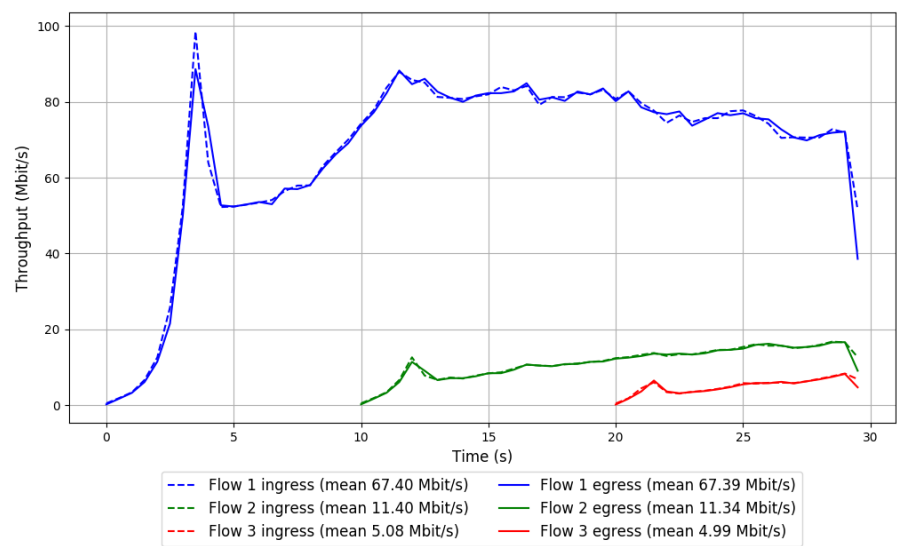


Run 10: Statistics of Vivace-latency

Start at: 2018-02-01 01:11:14
End at: 2018-02-01 01:11:44
Local clock offset: 0.394 ms
Remote clock offset: -1.908 ms

Below is generated by plot.py at 2018-02-01 05:50:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.53 Mbit/s
95th percentile per-packet one-way delay: 97.275 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 97.236 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 98.445 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 100.125 ms
Loss rate: 3.62%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-01-31 21:38:09

End at: 2018-01-31 21:38:39

Local clock offset: 0.945 ms

Remote clock offset: 2.642 ms

Below is generated by plot.py at 2018-02-01 05:51:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.65 Mbit/s

95th percentile per-packet one-way delay: 113.883 ms

Loss rate: 3.35%

-- Flow 1:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 111.871 ms

Loss rate: 1.85%

-- Flow 2:

Average throughput: 30.82 Mbit/s

95th percentile per-packet one-way delay: 114.106 ms

Loss rate: 1.32%

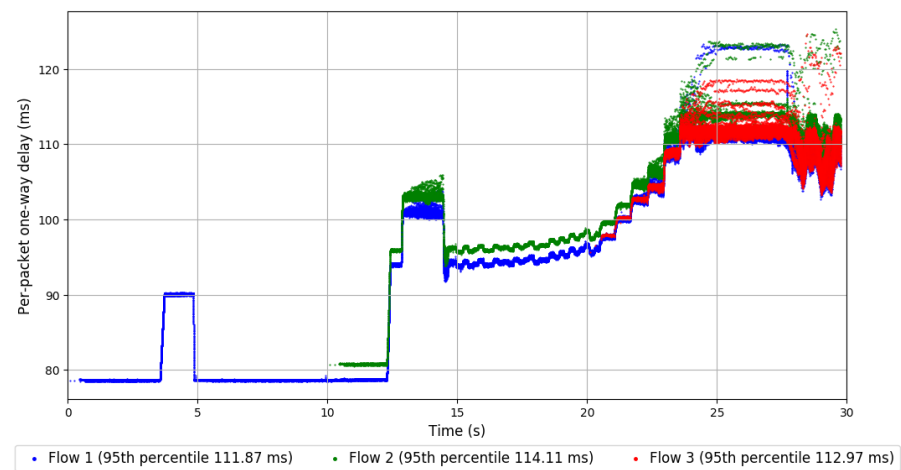
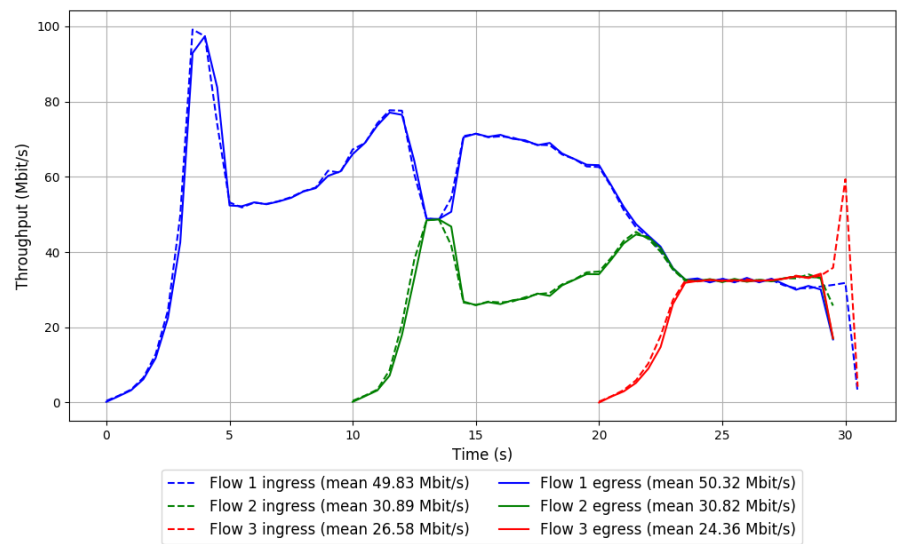
-- Flow 3:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 112.967 ms

Loss rate: 15.99%

Run 1: Report of Vivace-loss — Data Link

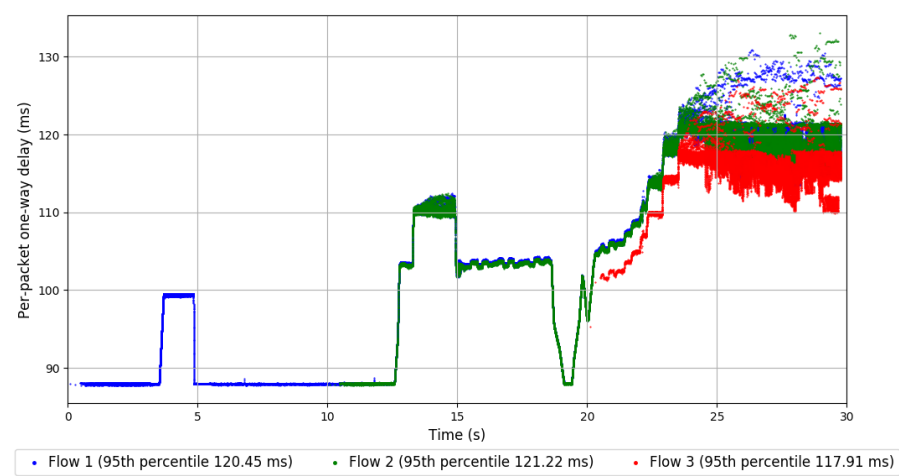
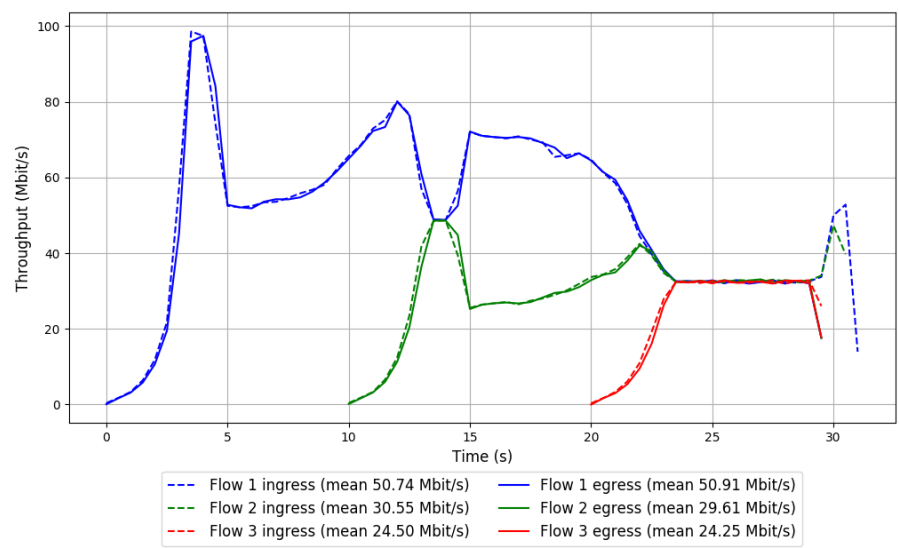


Run 2: Statistics of Vivace-loss

Start at: 2018-01-31 22:02:12
End at: 2018-01-31 22:02:42
Local clock offset: 1.144 ms
Remote clock offset: -3.463 ms

Below is generated by plot.py at 2018-02-01 05:51:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 120.838 ms
Loss rate: 5.45%
-- Flow 1:
Average throughput: 50.91 Mbit/s
95th percentile per-packet one-way delay: 120.450 ms
Loss rate: 4.45%
-- Flow 2:
Average throughput: 29.61 Mbit/s
95th percentile per-packet one-way delay: 121.216 ms
Loss rate: 8.72%
-- Flow 3:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 117.907 ms
Loss rate: 3.36%

Run 2: Report of Vivace-loss — Data Link

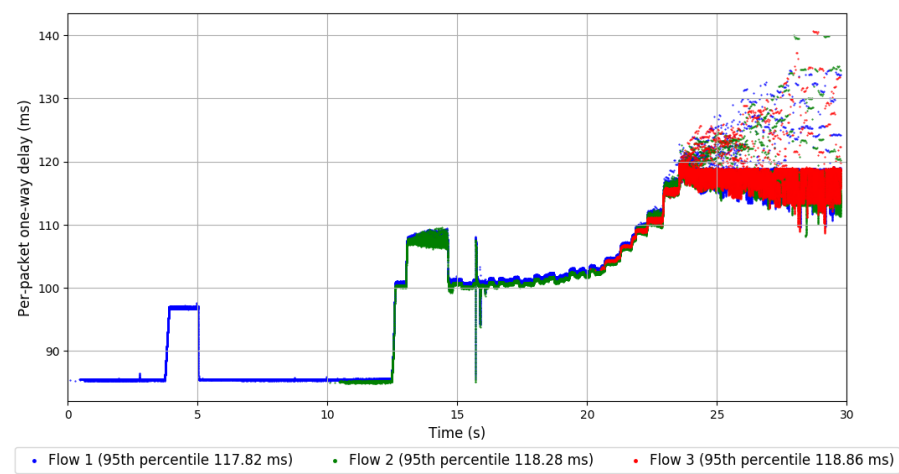
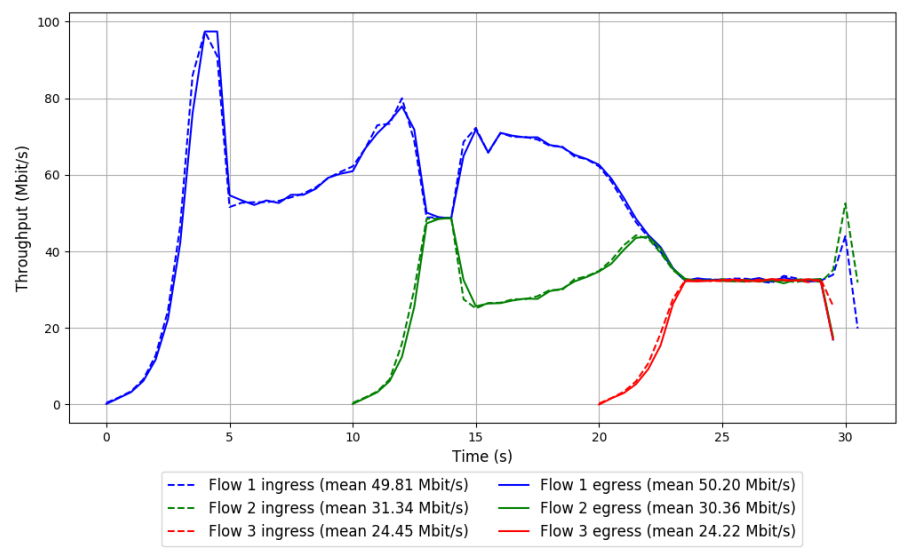


Run 3: Statistics of Vivace-loss

Start at: 2018-01-31 22:26:05
End at: 2018-01-31 22:26:35
Local clock offset: 1.075 ms
Remote clock offset: -3.108 ms

Below is generated by plot.py at 2018-02-01 05:51:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.18 Mbit/s
95th percentile per-packet one-way delay: 118.376 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 117.818 ms
Loss rate: 2.90%
-- Flow 2:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 118.279 ms
Loss rate: 8.35%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 118.862 ms
Loss rate: 3.25%

Run 3: Report of Vivace-loss — Data Link

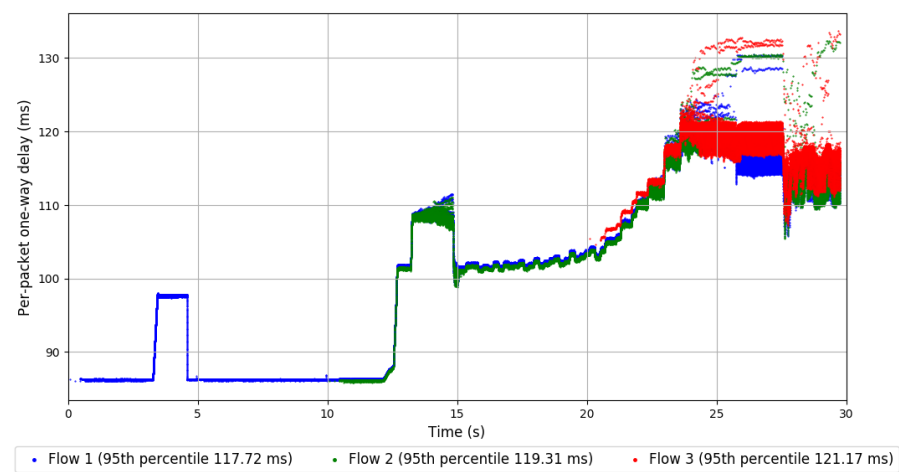
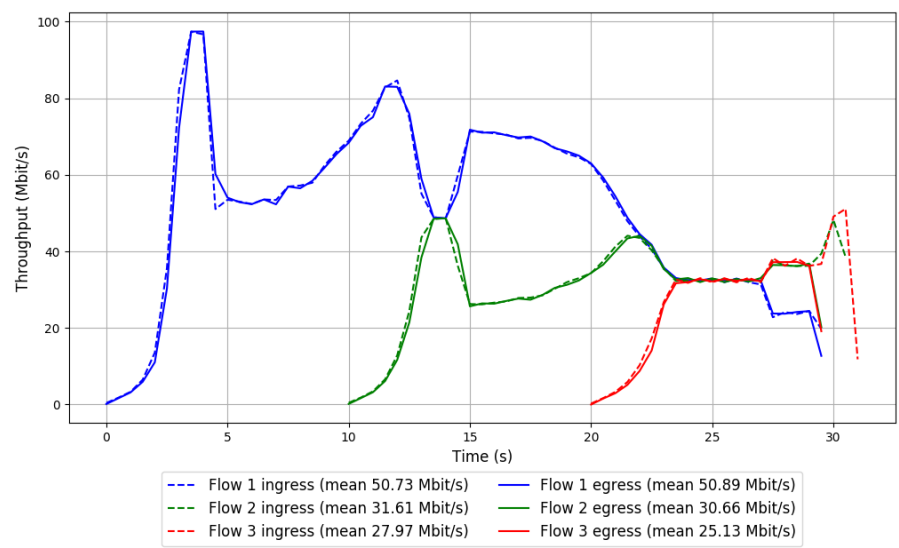


Run 4: Statistics of Vivace-loss

Start at: 2018-01-31 22:49:56
End at: 2018-01-31 22:50:26
Local clock offset: 0.971 ms
Remote clock offset: -5.439 ms

Below is generated by plot.py at 2018-02-01 05:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 119.338 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 50.89 Mbit/s
95th percentile per-packet one-way delay: 117.715 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 119.307 ms
Loss rate: 8.62%
-- Flow 3:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 121.169 ms
Loss rate: 22.19%

Run 4: Report of Vivace-loss — Data Link

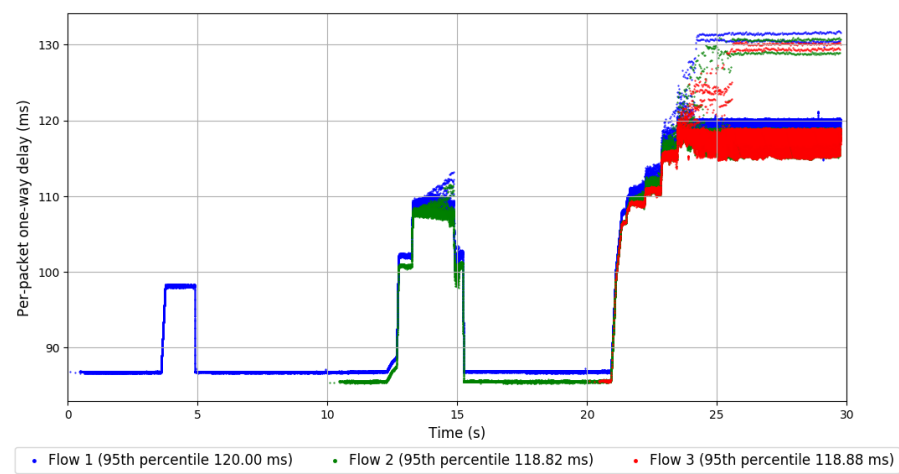
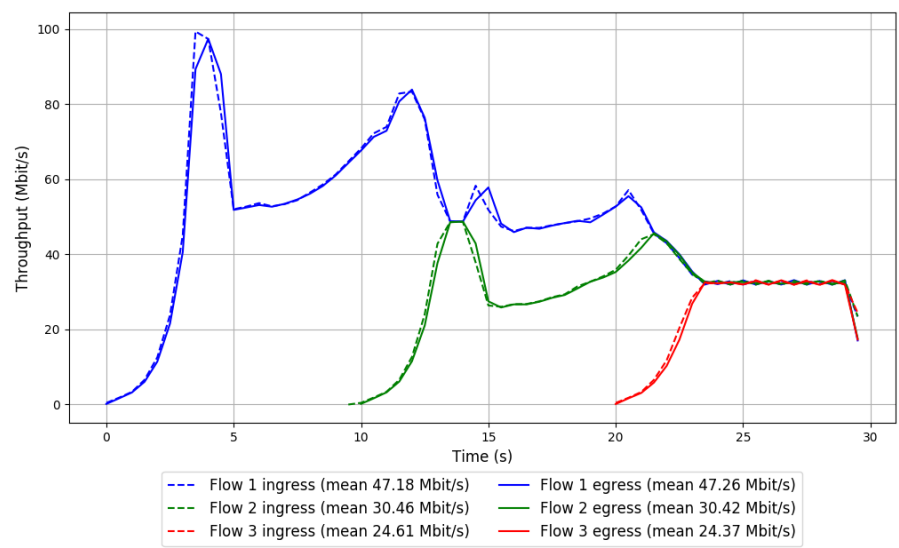


Run 5: Statistics of Vivace-loss

Start at: 2018-01-31 23:13:46
End at: 2018-01-31 23:14:16
Local clock offset: 0.982 ms
Remote clock offset: -5.526 ms

Below is generated by plot.py at 2018-02-01 05:51:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 119.819 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 119.999 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 118.819 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 118.876 ms
Loss rate: 2.98%

Run 5: Report of Vivace-loss — Data Link

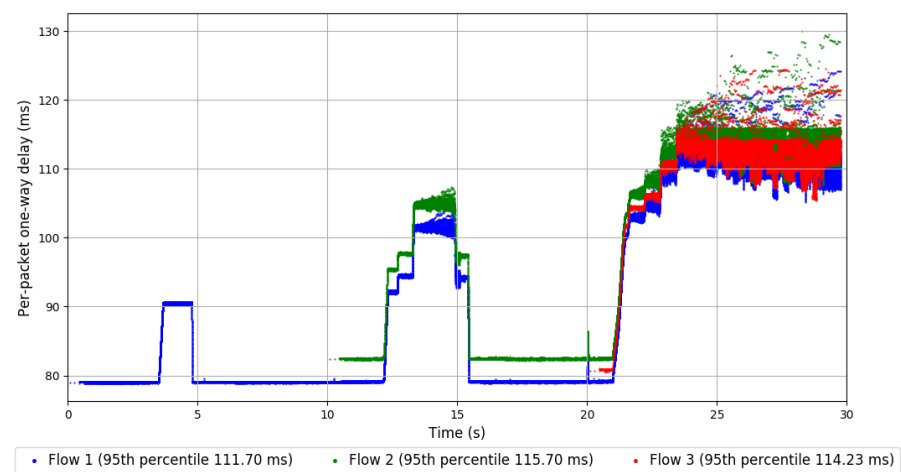
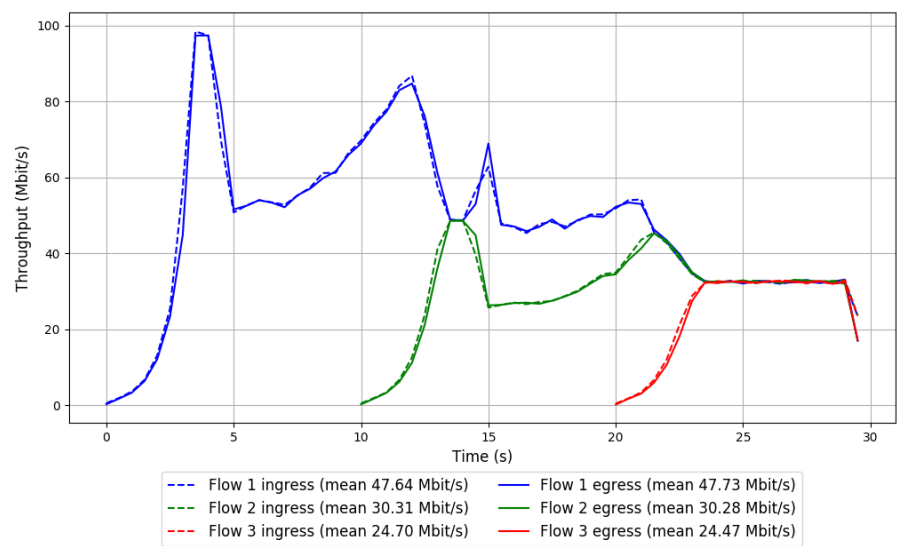


Run 6: Statistics of Vivace-loss

Start at: 2018-01-31 23:38:09
End at: 2018-01-31 23:38:39
Local clock offset: 0.996 ms
Remote clock offset: -0.549 ms

Below is generated by plot.py at 2018-02-01 05:51:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.73 Mbit/s
95th percentile per-packet one-way delay: 114.797 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 47.73 Mbit/s
95th percentile per-packet one-way delay: 111.696 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 115.699 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 114.228 ms
Loss rate: 2.87%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-02-01 00:02:03

End at: 2018-02-01 00:02:33

Local clock offset: 1.036 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2018-02-01 05:51:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.94 Mbit/s

95th percentile per-packet one-way delay: 80.877 ms

Loss rate: 2.70%

-- Flow 1:

Average throughput: 55.72 Mbit/s

95th percentile per-packet one-way delay: 80.866 ms

Loss rate: 2.57%

-- Flow 2:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 80.884 ms

Loss rate: 3.11%

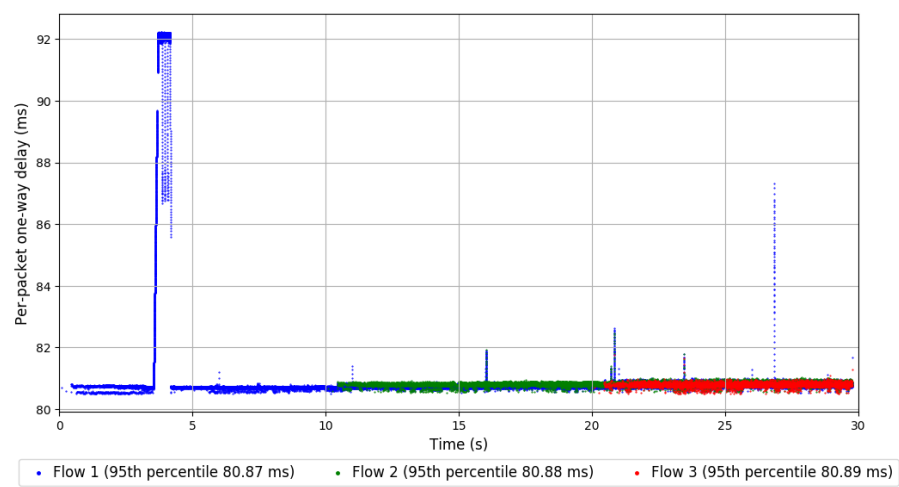
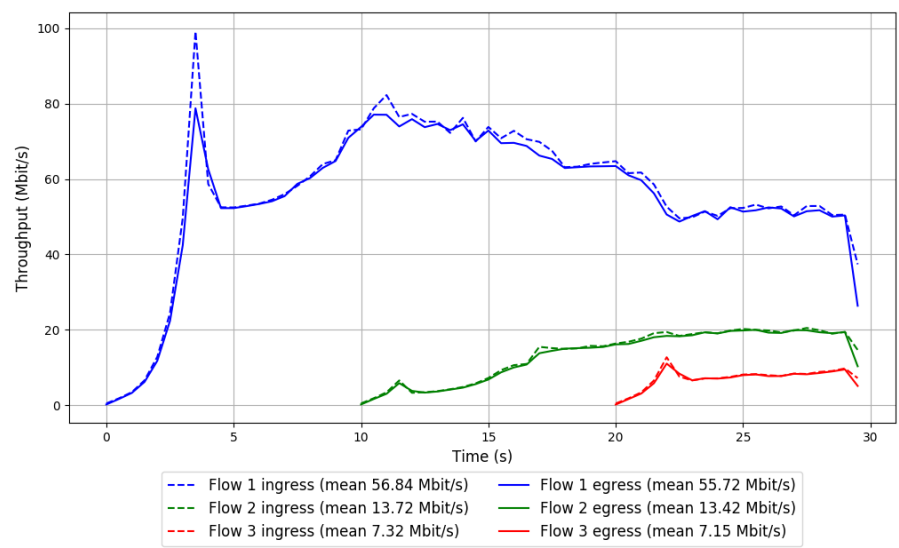
-- Flow 3:

Average throughput: 7.15 Mbit/s

95th percentile per-packet one-way delay: 80.889 ms

Loss rate: 4.13%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-01 00:26:04

End at: 2018-02-01 00:26:34

Local clock offset: 0.814 ms

Remote clock offset: 1.254 ms

Below is generated by plot.py at 2018-02-01 05:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.53 Mbit/s

95th percentile per-packet one-way delay: 115.118 ms

Loss rate: 3.59%

-- Flow 1:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 113.969 ms

Loss rate: 2.35%

-- Flow 2:

Average throughput: 30.20 Mbit/s

95th percentile per-packet one-way delay: 113.704 ms

Loss rate: 6.66%

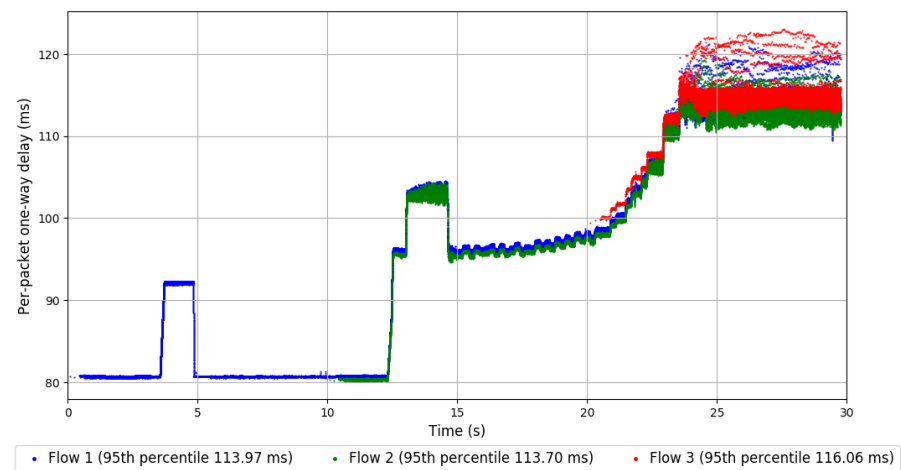
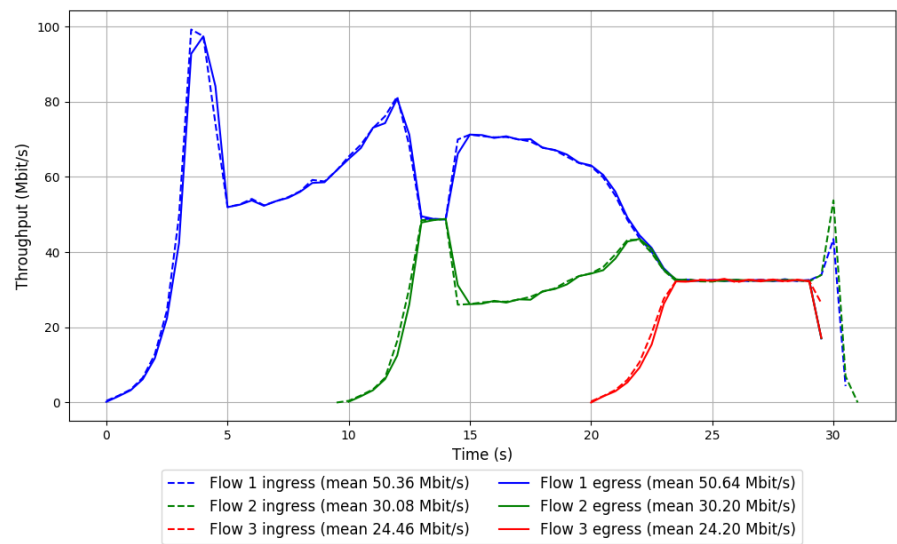
-- Flow 3:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 116.055 ms

Loss rate: 3.44%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-02-01 00:50:06

End at: 2018-02-01 00:50:36

Local clock offset: 0.591 ms

Remote clock offset: 3.025 ms

Below is generated by plot.py at 2018-02-01 05:52:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.95 Mbit/s

95th percentile per-packet one-way delay: 113.217 ms

Loss rate: 4.29%

-- Flow 1:

Average throughput: 50.59 Mbit/s

95th percentile per-packet one-way delay: 113.473 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 30.39 Mbit/s

95th percentile per-packet one-way delay: 112.439 ms

Loss rate: 6.90%

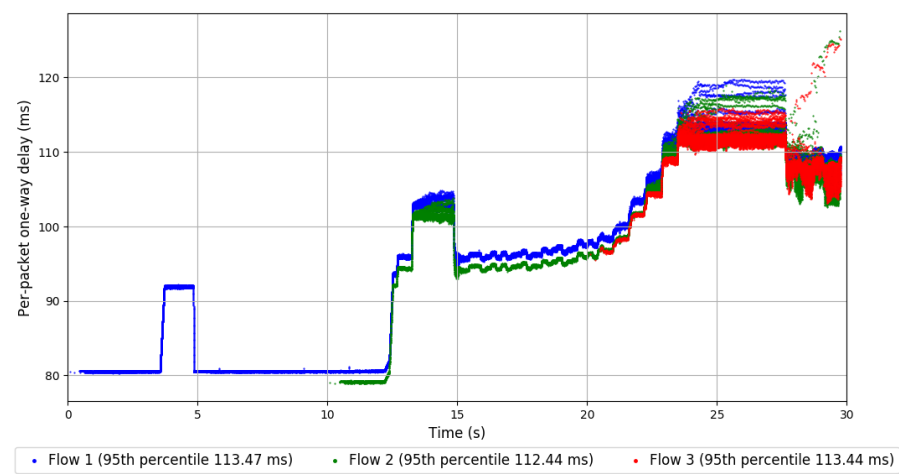
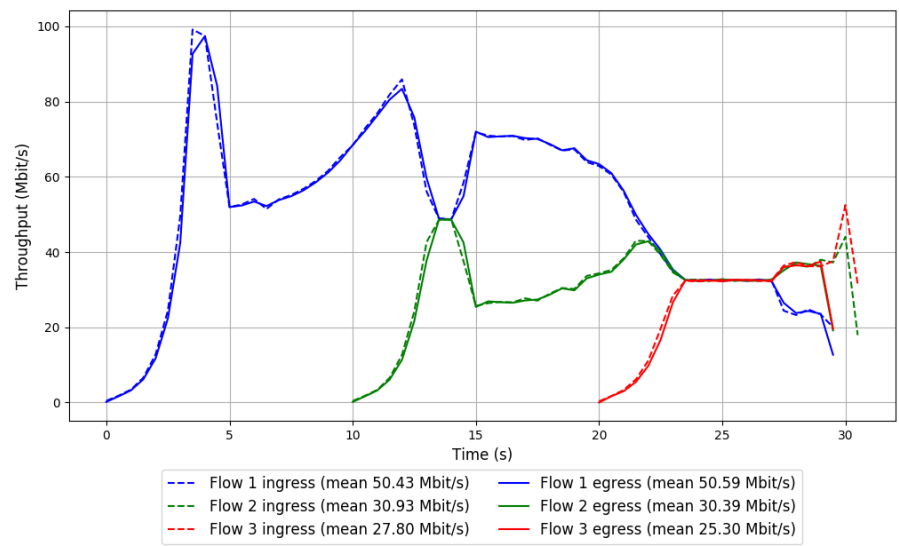
-- Flow 3:

Average throughput: 25.30 Mbit/s

95th percentile per-packet one-way delay: 113.437 ms

Loss rate: 18.26%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-01 01:13:57

End at: 2018-02-01 01:14:27

Local clock offset: 0.338 ms

Remote clock offset: 2.015 ms

Below is generated by plot.py at 2018-02-01 05:52:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.07 Mbit/s

95th percentile per-packet one-way delay: 82.418 ms

Loss rate: 2.86%

-- Flow 1:

Average throughput: 57.98 Mbit/s

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

Loss rate: 2.77%

-- Flow 2:

Average throughput: 13.49 Mbit/s

95th percentile per-packet one-way delay: 81.615 ms

Loss rate: 3.24%

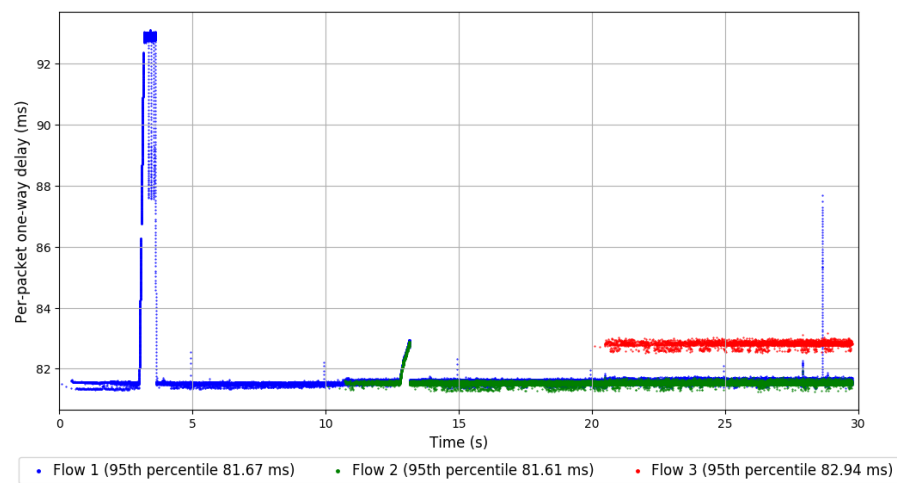
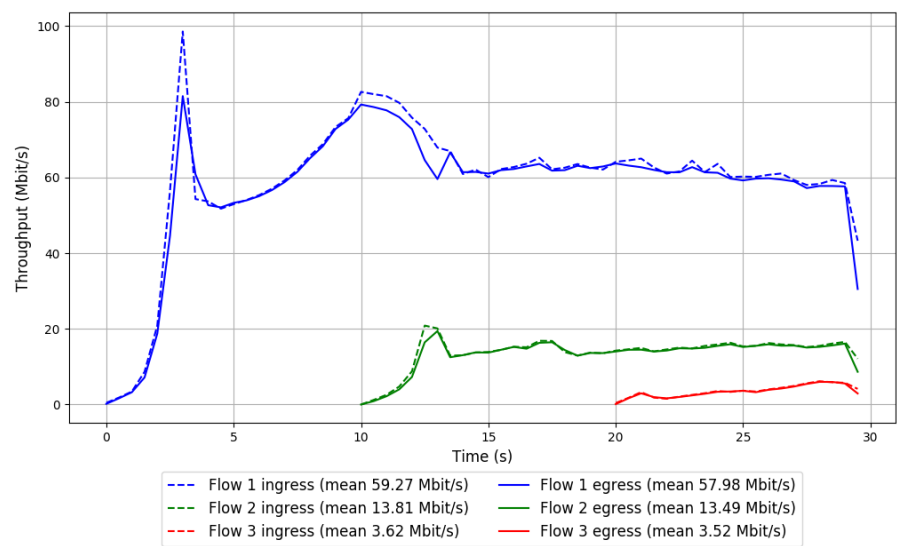
-- Flow 3:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 82.944 ms

Loss rate: 4.51%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-01-31 21:44:42

End at: 2018-01-31 21:45:12

Local clock offset: 1.096 ms

Remote clock offset: 3.349 ms

Below is generated by plot.py at 2018-02-01 05:52:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.53 Mbit/s

95th percentile per-packet one-way delay: 111.352 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 51.10 Mbit/s

95th percentile per-packet one-way delay: 110.190 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 112.224 ms

Loss rate: 1.20%

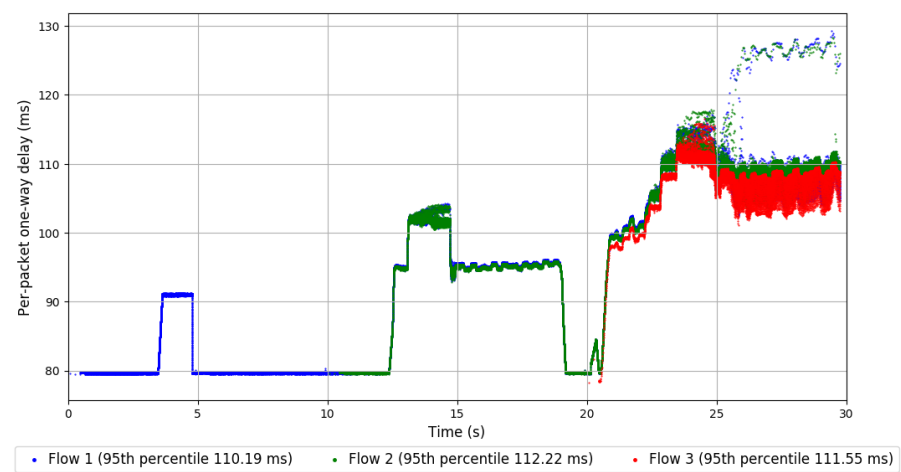
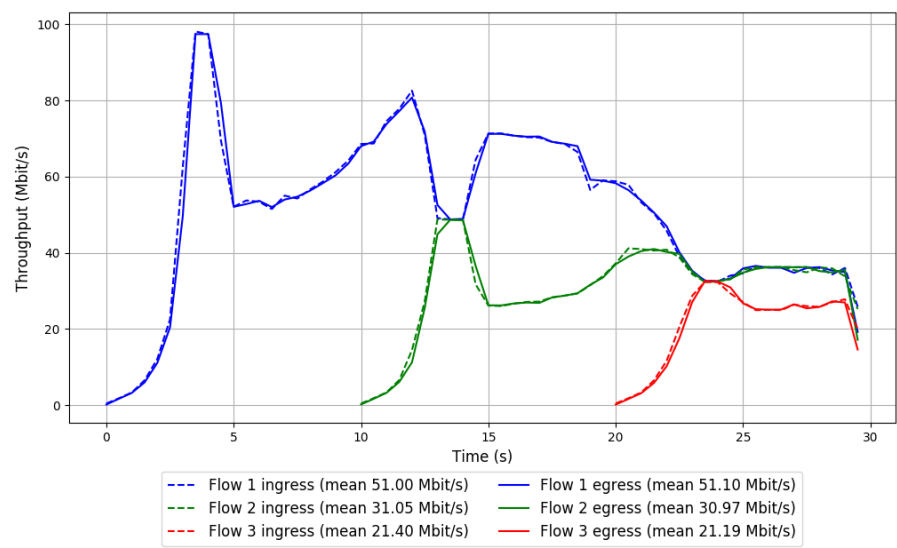
-- Flow 3:

Average throughput: 21.19 Mbit/s

95th percentile per-packet one-way delay: 111.552 ms

Loss rate: 2.79%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-01-31 22:08:48

End at: 2018-01-31 22:09:18

Local clock offset: 1.111 ms

Remote clock offset: 2.087 ms

Below is generated by plot.py at 2018-02-01 05:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.99 Mbit/s

95th percentile per-packet one-way delay: 114.768 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 49.68 Mbit/s

95th percentile per-packet one-way delay: 114.426 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 30.08 Mbit/s

95th percentile per-packet one-way delay: 113.711 ms

Loss rate: 1.13%

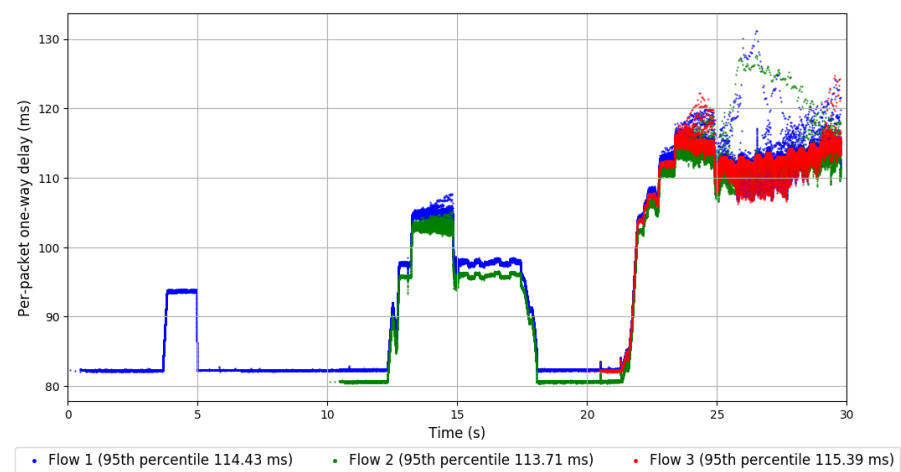
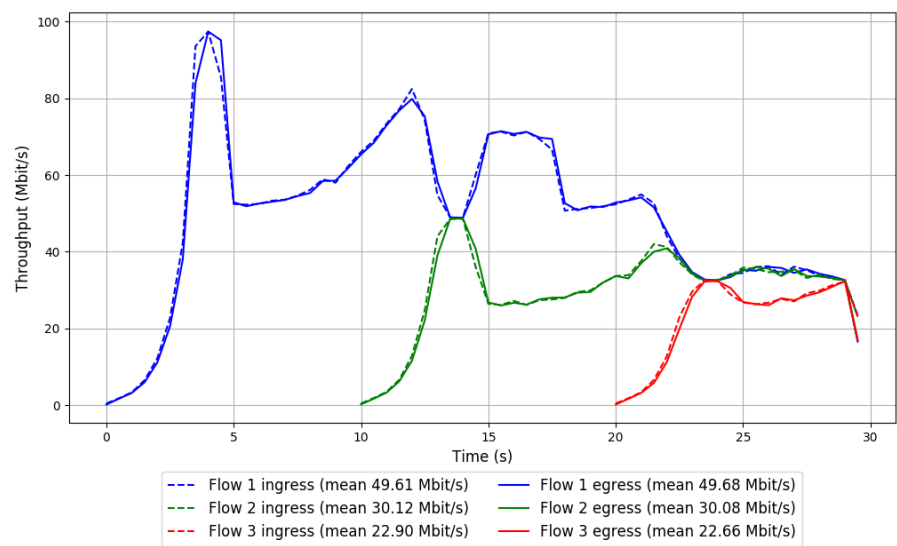
-- Flow 3:

Average throughput: 22.66 Mbit/s

95th percentile per-packet one-way delay: 115.386 ms

Loss rate: 3.03%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-01-31 22:32:41

End at: 2018-01-31 22:33:11

Local clock offset: 1.097 ms

Remote clock offset: 1.657 ms

Below is generated by plot.py at 2018-02-01 05:52:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.12 Mbit/s

95th percentile per-packet one-way delay: 113.465 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 51.94 Mbit/s

95th percentile per-packet one-way delay: 112.575 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 30.12 Mbit/s

95th percentile per-packet one-way delay: 113.684 ms

Loss rate: 1.18%

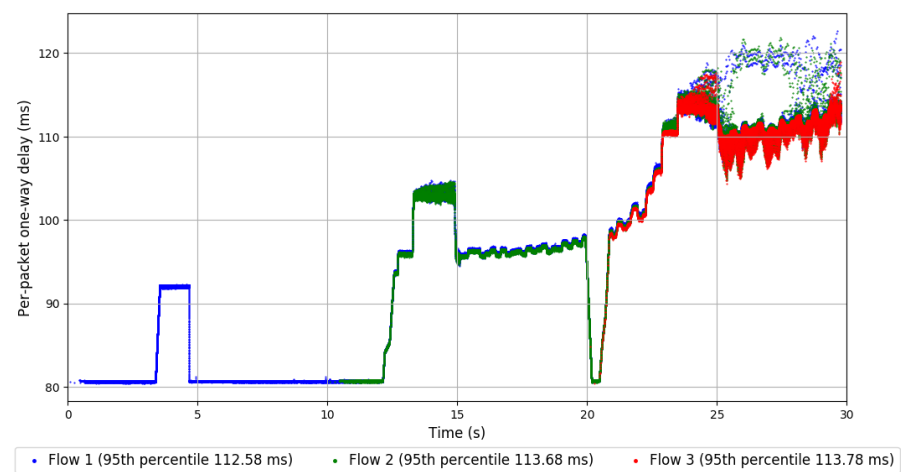
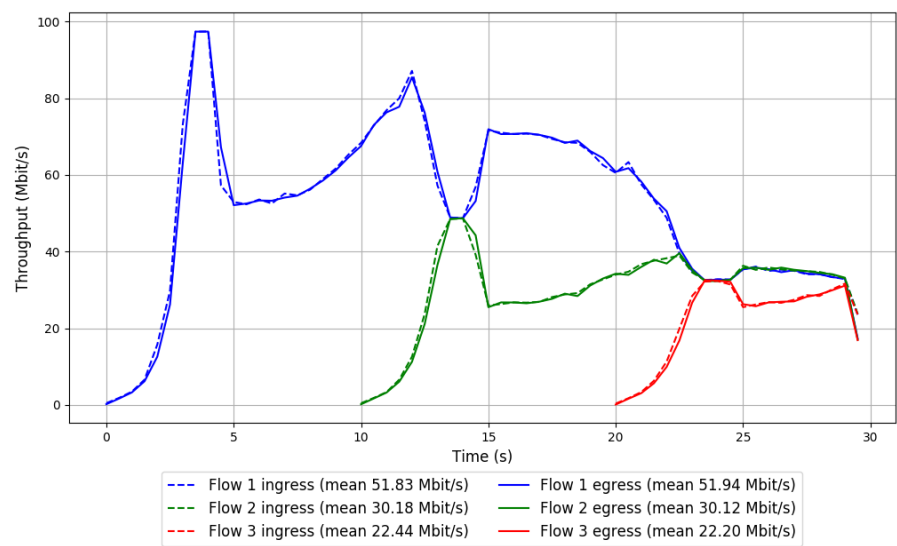
-- Flow 3:

Average throughput: 22.20 Mbit/s

95th percentile per-packet one-way delay: 113.779 ms

Loss rate: 3.12%

Run 3: Report of Vivace-LTE — Data Link

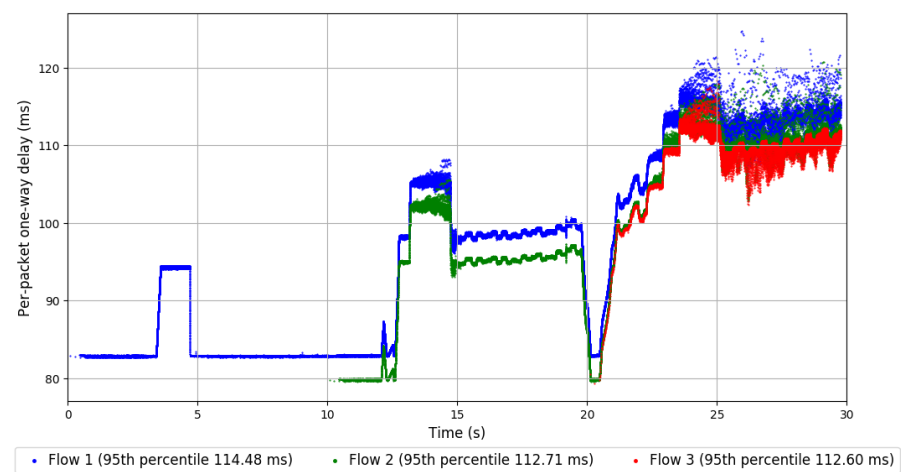
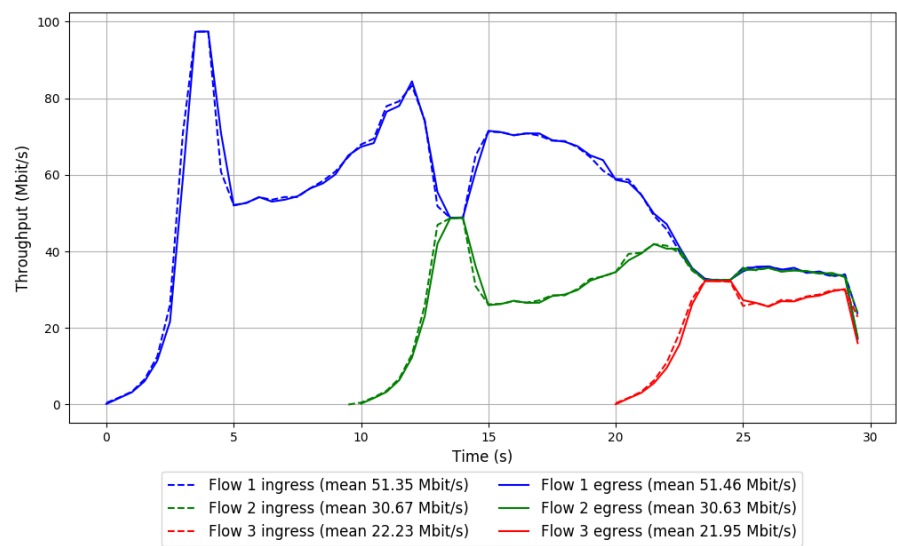


Run 4: Statistics of Vivace-LTE

Start at: 2018-01-31 22:56:31
End at: 2018-01-31 22:57:01
Local clock offset: 1.015 ms
Remote clock offset: -1.073 ms

Below is generated by plot.py at 2018-02-01 05:52:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.91 Mbit/s
95th percentile per-packet one-way delay: 113.874 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 51.46 Mbit/s
95th percentile per-packet one-way delay: 114.476 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 112.712 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 112.600 ms
Loss rate: 3.09%

Run 4: Report of Vivace-LTE — Data Link

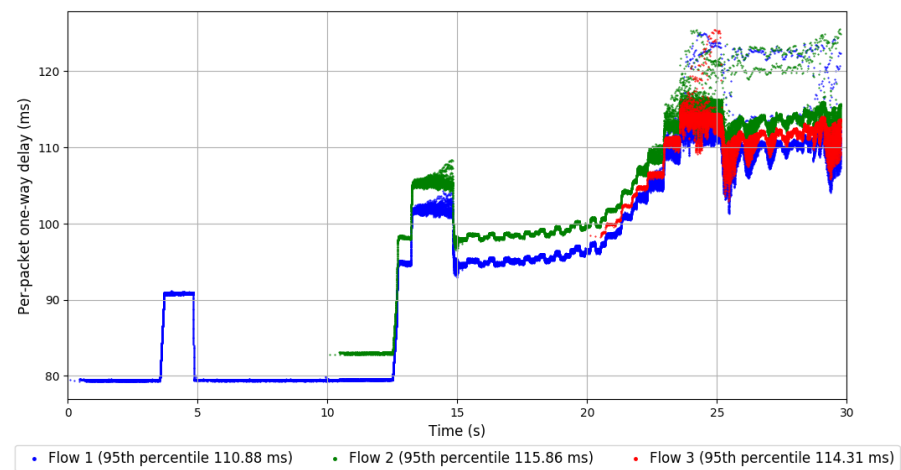
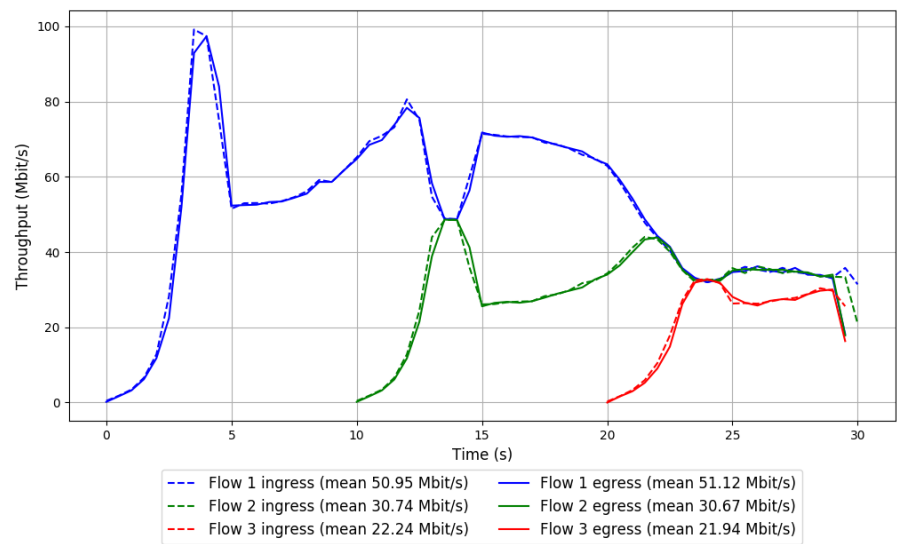


Run 5: Statistics of Vivace-LTE

Start at: 2018-01-31 23:20:20
End at: 2018-01-31 23:20:50
Local clock offset: 1.002 ms
Remote clock offset: -1.419 ms

Below is generated by plot.py at 2018-02-01 05:52:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 114.063 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 110.877 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 115.859 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 114.313 ms
Loss rate: 3.65%

Run 5: Report of Vivace-LTE — Data Link

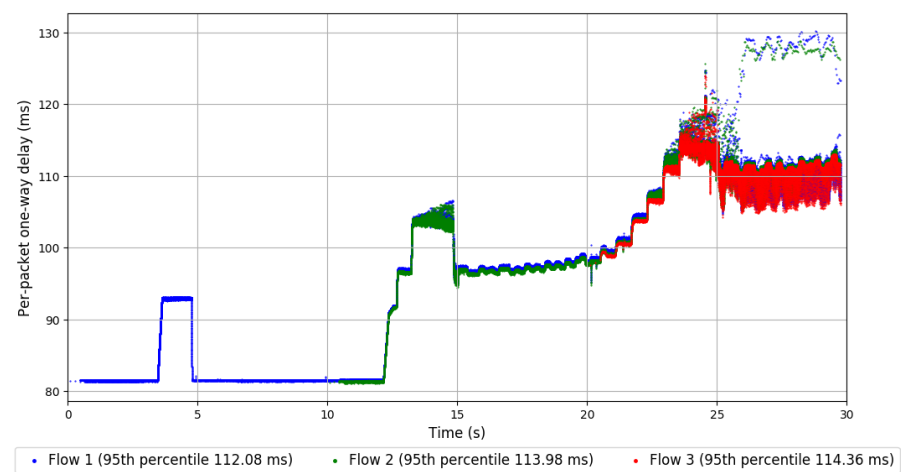
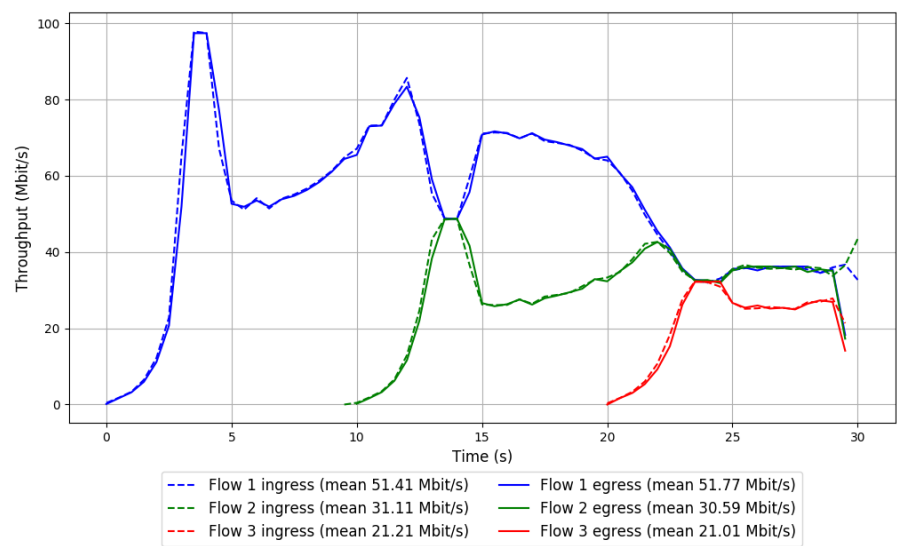


Run 6: Statistics of Vivace-LTE

Start at: 2018-01-31 23:44:44
End at: 2018-01-31 23:45:14
Local clock offset: 1.0 ms
Remote clock offset: -1.065 ms

Below is generated by plot.py at 2018-02-01 05:53:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.88 Mbit/s
95th percentile per-packet one-way delay: 113.556 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 51.77 Mbit/s
95th percentile per-packet one-way delay: 112.084 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 113.985 ms
Loss rate: 5.49%
-- Flow 3:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 114.357 ms
Loss rate: 3.26%

Run 6: Report of Vivace-LTE — Data Link

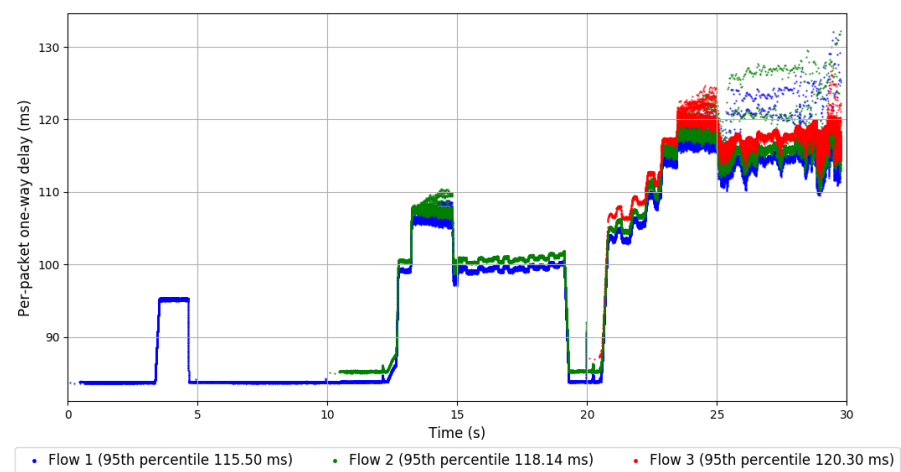
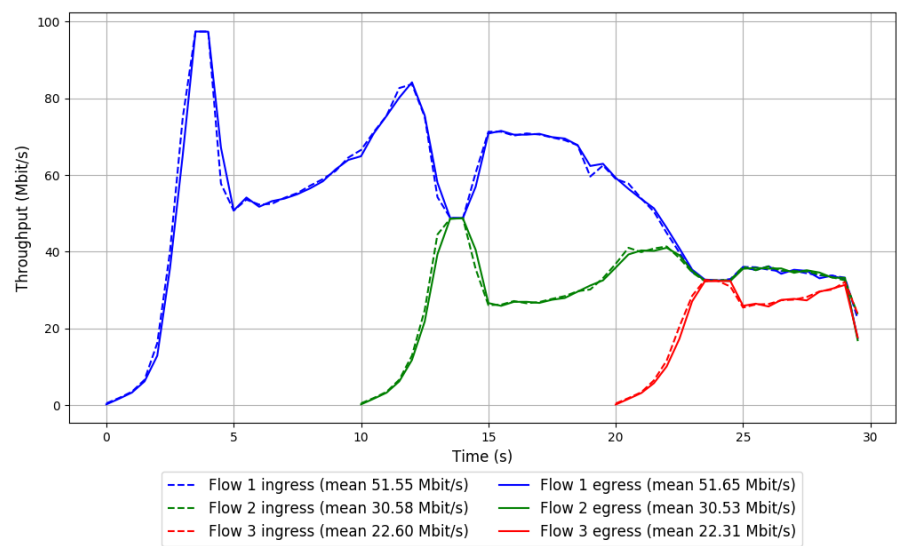


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-01 00:08:46
End at: 2018-02-01 00:09:16
Local clock offset: 0.935 ms
Remote clock offset: -4.215 ms

Below is generated by plot.py at 2018-02-01 05:53:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 118.221 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 51.65 Mbit/s
95th percentile per-packet one-way delay: 115.503 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 118.145 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 22.31 Mbit/s
95th percentile per-packet one-way delay: 120.298 ms
Loss rate: 3.11%

Run 7: Report of Vivace-LTE — Data Link

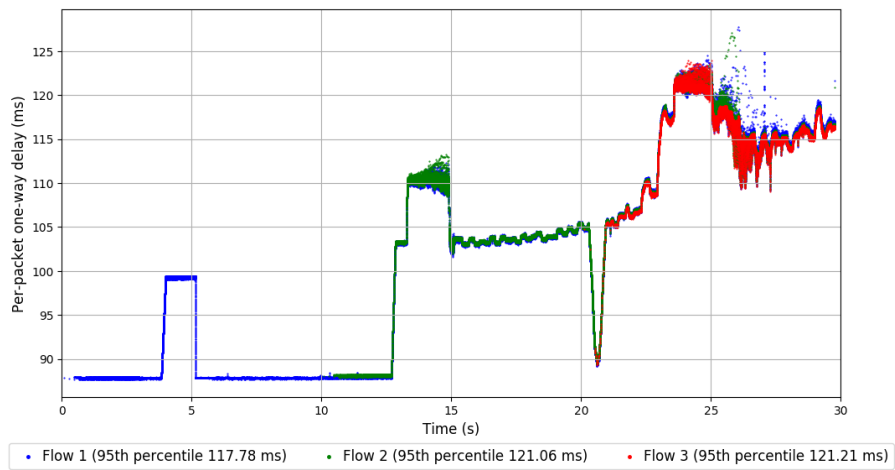
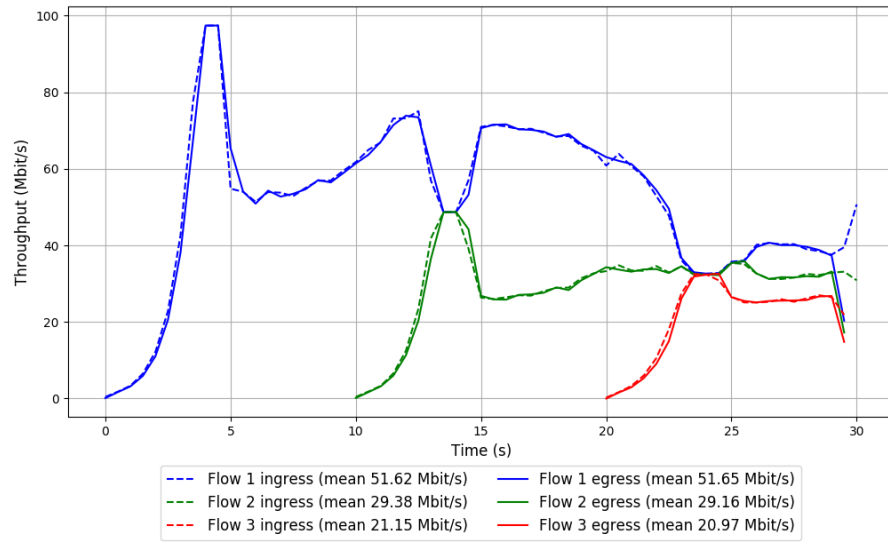


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-01 00:32:41
End at: 2018-02-01 00:33:11
Local clock offset: 0.775 ms
Remote clock offset: -4.026 ms

Below is generated by plot.py at 2018-02-01 05:53:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 120.694 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 51.65 Mbit/s
95th percentile per-packet one-way delay: 117.779 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 121.060 ms
Loss rate: 4.52%
-- Flow 3:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 121.214 ms
Loss rate: 3.19%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-01 00:56:41

End at: 2018-02-01 00:57:11

Local clock offset: 0.525 ms

Remote clock offset: 3.433 ms

Below is generated by plot.py at 2018-02-01 05:53:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.87 Mbit/s

95th percentile per-packet one-way delay: 111.863 ms

Loss rate: 2.43%

-- Flow 1:

Average throughput: 51.66 Mbit/s

95th percentile per-packet one-way delay: 109.950 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 30.69 Mbit/s

95th percentile per-packet one-way delay: 113.482 ms

Loss rate: 4.83%

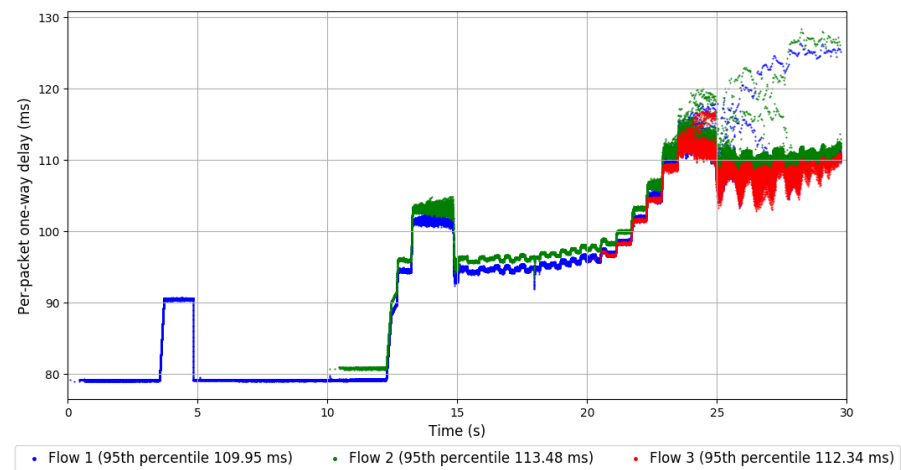
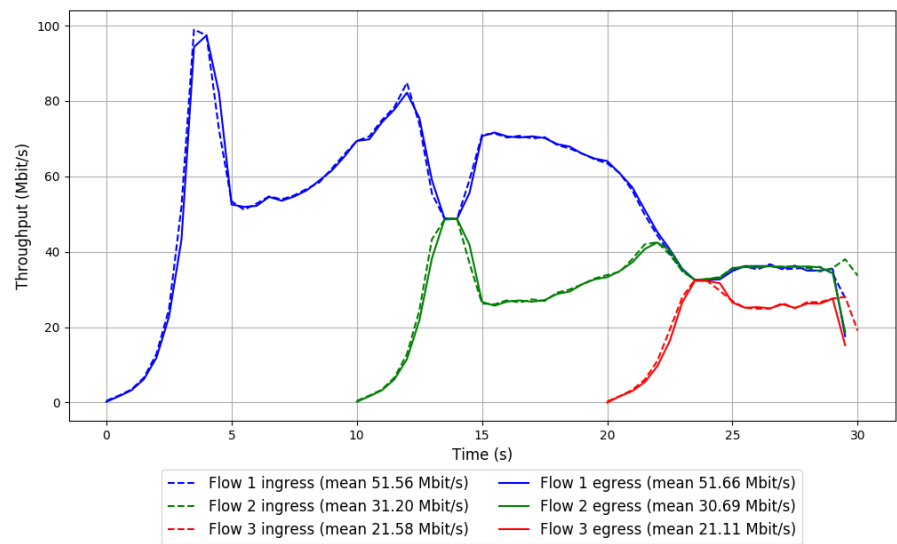
-- Flow 3:

Average throughput: 21.11 Mbit/s

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

Loss rate: 8.54%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-01 01:20:41

End at: 2018-02-01 01:21:11

Local clock offset: 0.283 ms

Remote clock offset: 3.463 ms

Below is generated by plot.py at 2018-02-01 05:53:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 112.094 ms

Loss rate: 3.28%

-- Flow 1:

Average throughput: 51.41 Mbit/s

95th percentile per-packet one-way delay: 110.486 ms

Loss rate: 2.93%

-- Flow 2:

Average throughput: 30.92 Mbit/s

95th percentile per-packet one-way delay: 112.519 ms

Loss rate: 1.39%

-- Flow 3:

Average throughput: 20.83 Mbit/s

95th percentile per-packet one-way delay: 112.839 ms

Loss rate: 10.85%

Run 10: Report of Vivace-LTE — Data Link

