

Pantheon Report

Generated at 2018-02-03 07:03:35 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 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).

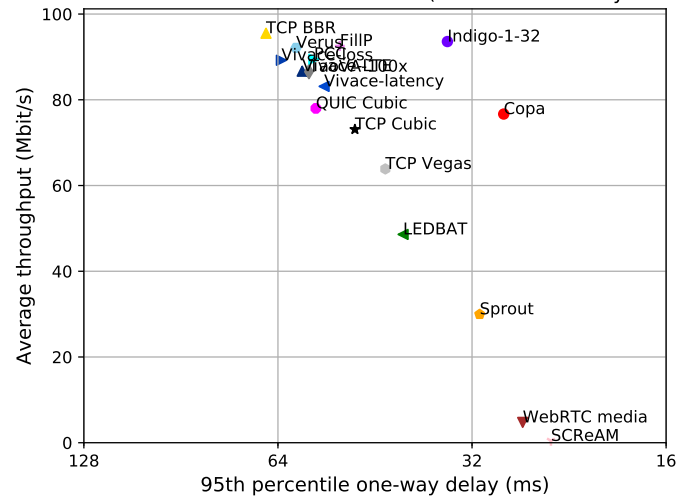
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

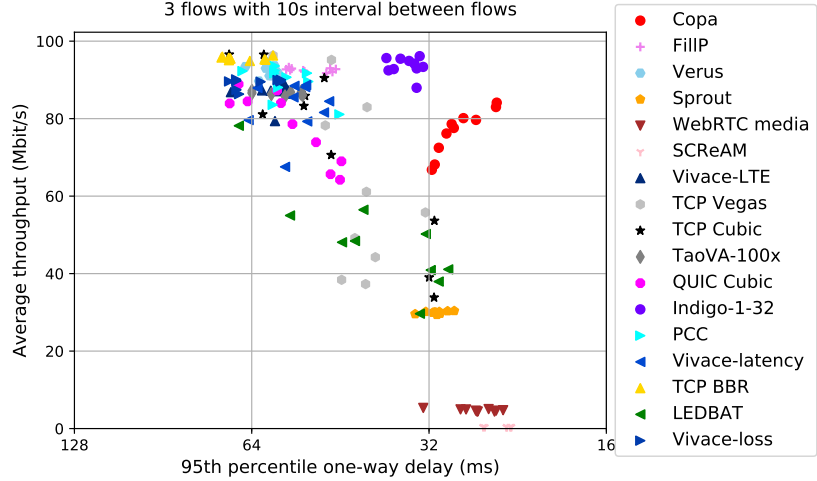
Git summary:

```
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 Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



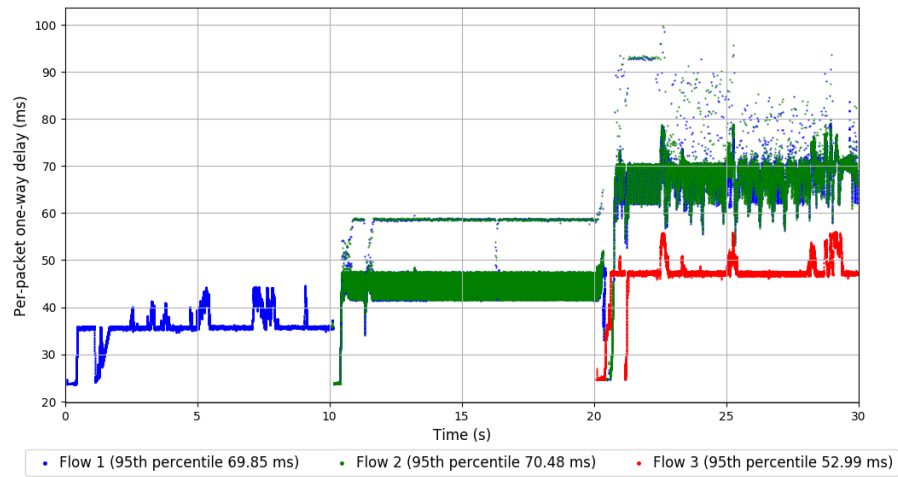
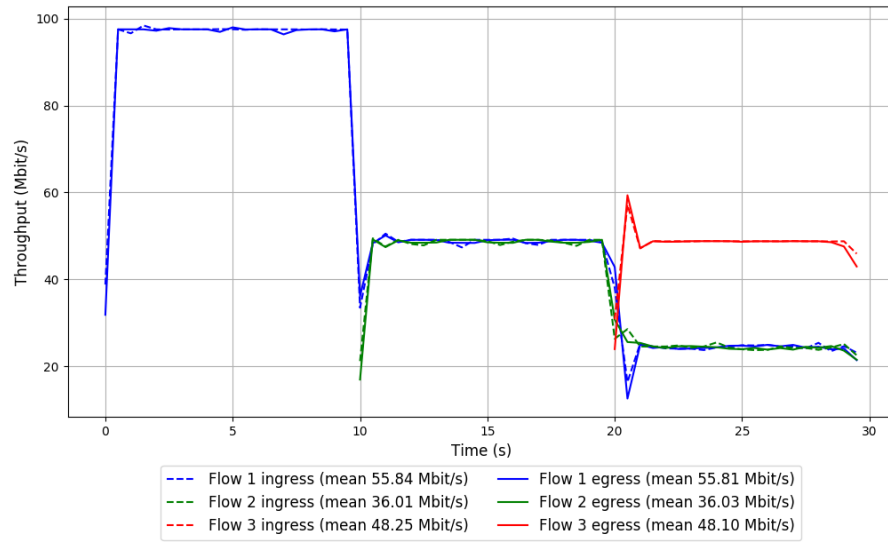
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	56.84	41.02	34.47	66.21	62.11	63.88	0.37	0.54	1.05
TCP Cubic	10	39.20	32.17	37.76	44.44	46.33	45.18	0.27	0.41	0.77
LEDBAT	10	27.44	22.43	18.96	37.76	43.51	39.97	0.29	0.42	0.92
PCC	10	58.56	35.91	21.56	54.86	51.84	57.54	0.35	0.56	1.02
QUIC Cubic	10	43.22	35.51	34.08	48.50	56.44	55.67	0.43	0.52	1.01
SCReAM	10	0.21	0.22	0.22	24.12	24.12	24.39	0.32	0.32	0.39
WebRTC media	10	2.51	1.58	0.67	26.53	26.80	26.85	0.39	0.50	0.58
Sprout	10	15.36	14.78	14.51	30.28	31.66	32.04	0.21	0.36	0.76
TaoVA-100x	10	49.70	40.79	29.34	55.54	52.79	60.24	0.40	0.58	1.26
TCP Vegas	10	34.60	28.23	31.71	38.67	43.66	44.66	0.33	0.38	0.64
Verus	10	55.67	40.32	29.73	58.85	58.73	63.13	0.36	0.58	1.10
Copa	10	45.10	36.17	22.67	28.53	28.61	28.92	0.29	0.40	0.87
FillP	10	57.61	37.56	30.25	47.07	51.55	50.98	0.46	0.67	1.23
Indigo-1-32	10	58.78	39.57	26.27	34.91	34.39	37.98	0.27	0.36	0.75
Vivace-latency	10	56.72	29.64	20.41	50.60	52.80	52.71	0.36	0.50	1.02
Vivace-loss	10	53.81	41.19	24.52	62.62	56.93	65.03	0.66	1.13	1.53
Vivace-LTE	10	54.45	34.87	27.56	57.10	59.00	56.58	0.36	0.53	0.95

Run 1: Statistics of TCP BBR

Start at: 2018-02-02 22:13:34
End at: 2018-02-02 22:14:04
Local clock offset: 0.862 ms
Remote clock offset: -4.762 ms

Below is generated by plot.py at 2018-02-03 06:38:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 70.025 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 69.846 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 70.482 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 52.989 ms
Loss rate: 0.97%

Run 1: Report of TCP BBR — Data Link

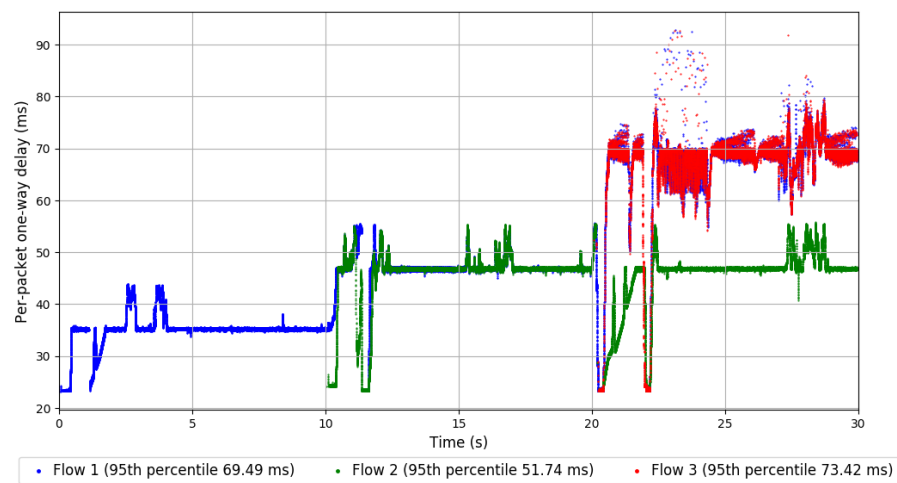
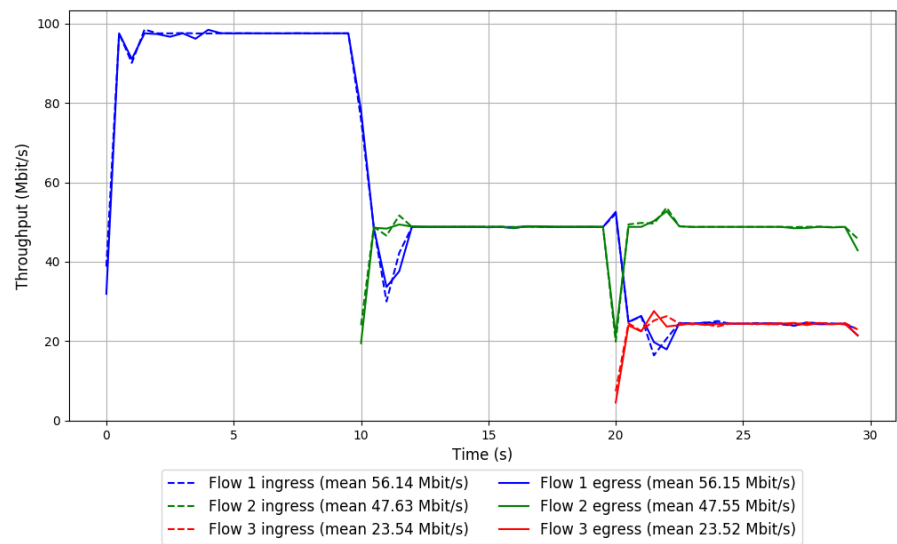


Run 2: Statistics of TCP BBR

Start at: 2018-02-02 22:38:14
End at: 2018-02-02 22:38:44
Local clock offset: 1.125 ms
Remote clock offset: -2.484 ms

Below is generated by plot.py at 2018-02-03 06:38:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 69.600 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 56.15 Mbit/s
95th percentile per-packet one-way delay: 69.493 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 47.55 Mbit/s
95th percentile per-packet one-way delay: 51.740 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 73.422 ms
Loss rate: 1.16%

Run 2: Report of TCP BBR — Data Link

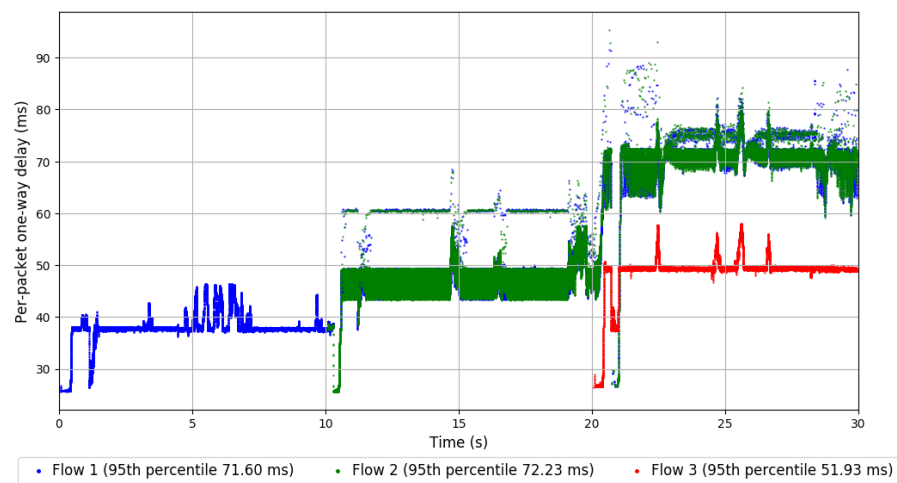
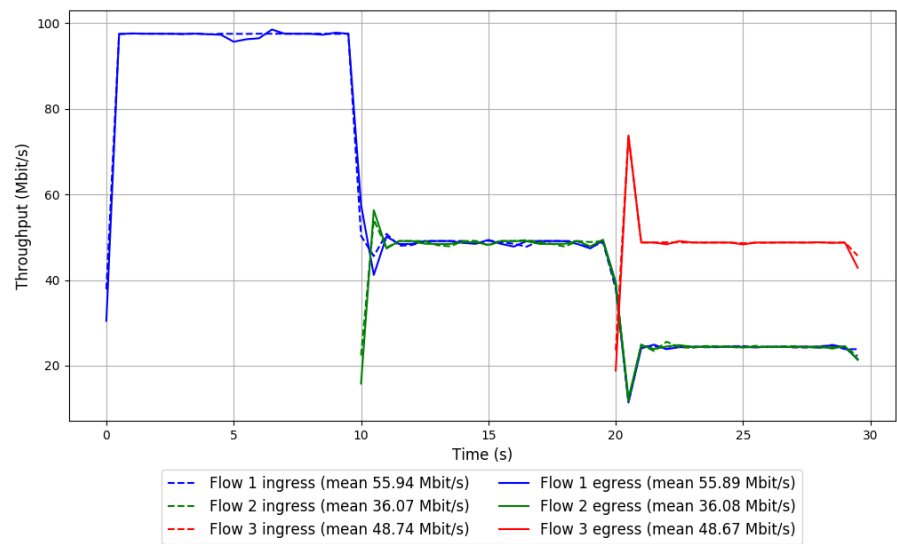


Run 3: Statistics of TCP BBR

Start at: 2018-02-02 23:02:55
End at: 2018-02-02 23:03:25
Local clock offset: 0.953 ms
Remote clock offset: -3.274 ms

Below is generated by plot.py at 2018-02-03 06:38:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 71.791 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 71.596 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 72.232 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 48.67 Mbit/s
95th percentile per-packet one-way delay: 51.934 ms
Loss rate: 0.82%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-02 23:27:33

End at: 2018-02-02 23:28:03

Local clock offset: 1.155 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-02-03 06:38:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 58.884 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 58.58 Mbit/s

95th percentile per-packet one-way delay: 58.818 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 58.897 ms

Loss rate: 0.36%

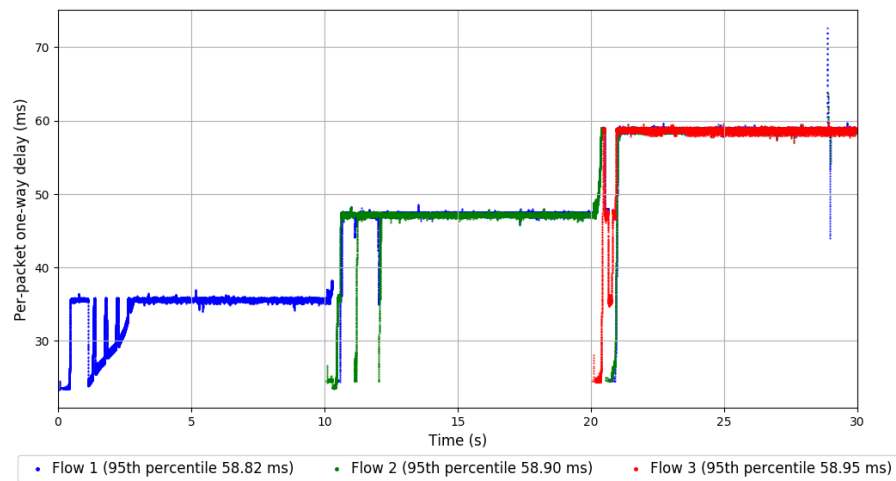
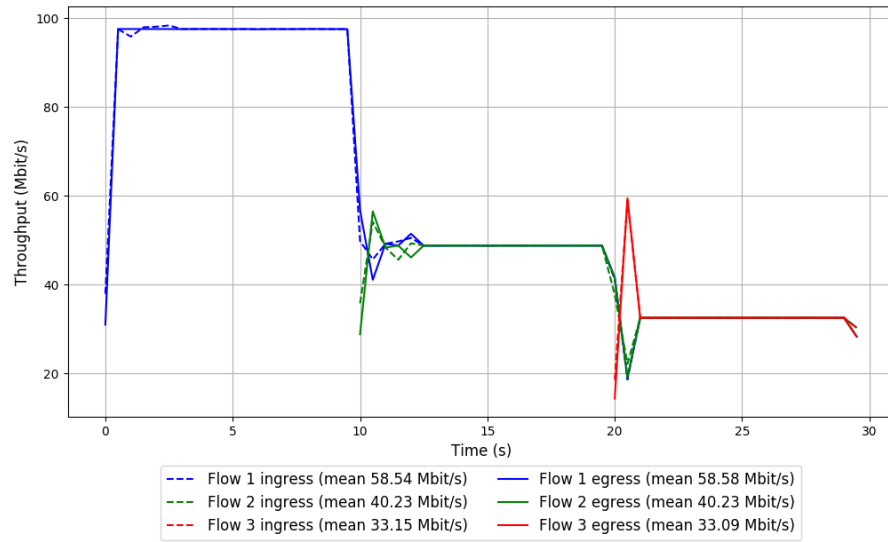
-- Flow 3:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 58.948 ms

Loss rate: 0.88%

Run 4: Report of TCP BBR — Data Link

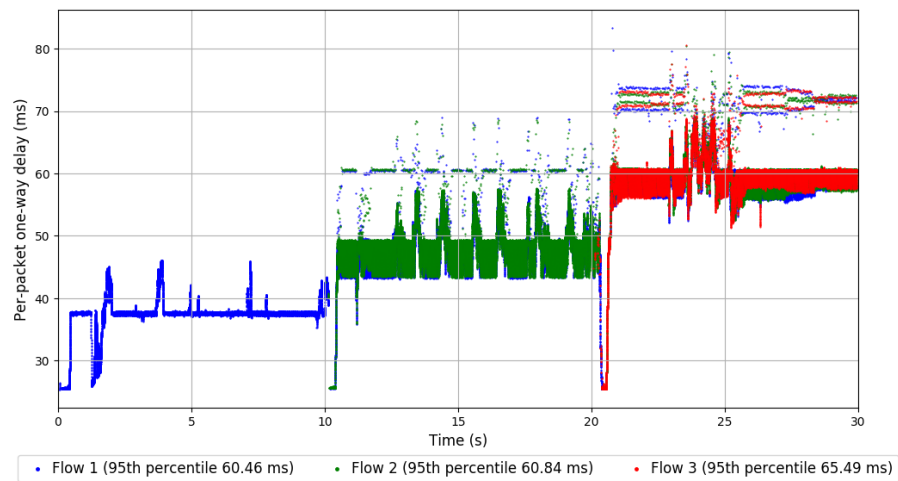
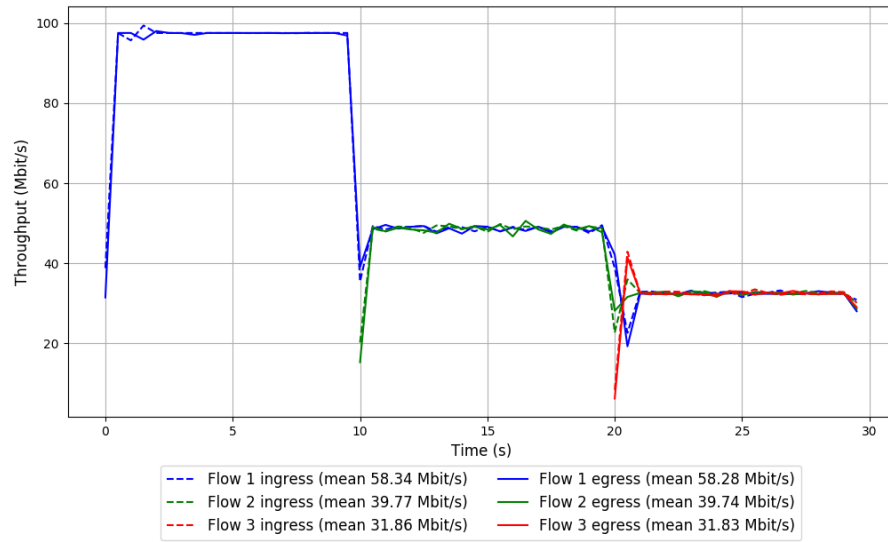


Run 5: Statistics of TCP BBR

Start at: 2018-02-02 23:52:12
End at: 2018-02-02 23:52:42
Local clock offset: 1.078 ms
Remote clock offset: -0.871 ms

Below is generated by plot.py at 2018-02-03 06:38:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 60.660 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.28 Mbit/s
95th percentile per-packet one-way delay: 60.459 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 60.838 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 65.493 ms
Loss rate: 0.98%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-02-03 00:17:48

End at: 2018-02-03 00:18:18

Local clock offset: 0.839 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2018-02-03 06:38:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 64.475 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 58.01 Mbit/s

95th percentile per-packet one-way delay: 61.929 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 65.037 ms

Loss rate: 0.71%

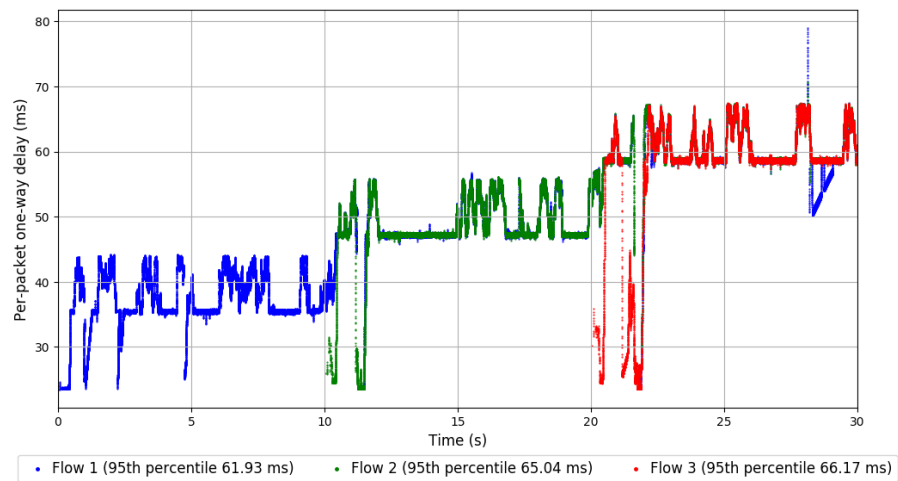
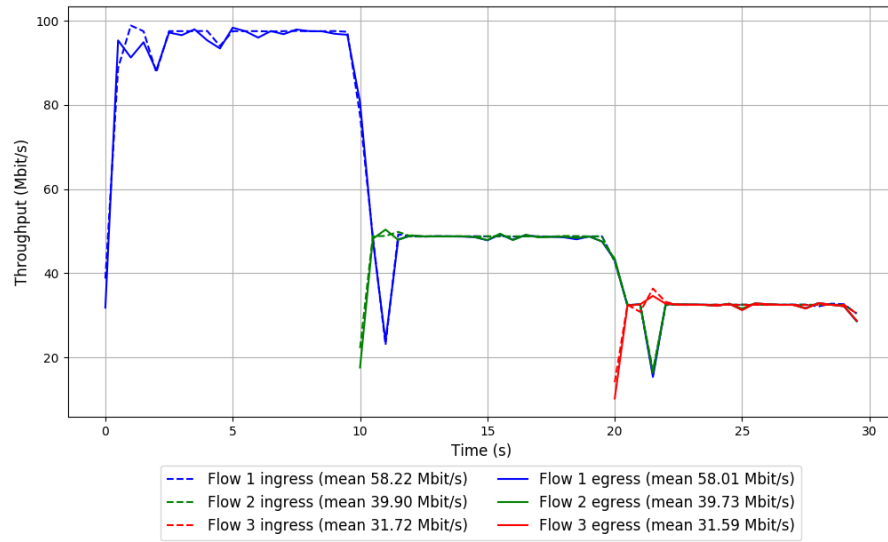
-- Flow 3:

Average throughput: 31.59 Mbit/s

95th percentile per-packet one-way delay: 66.169 ms

Loss rate: 1.19%

Run 6: Report of TCP BBR — Data Link

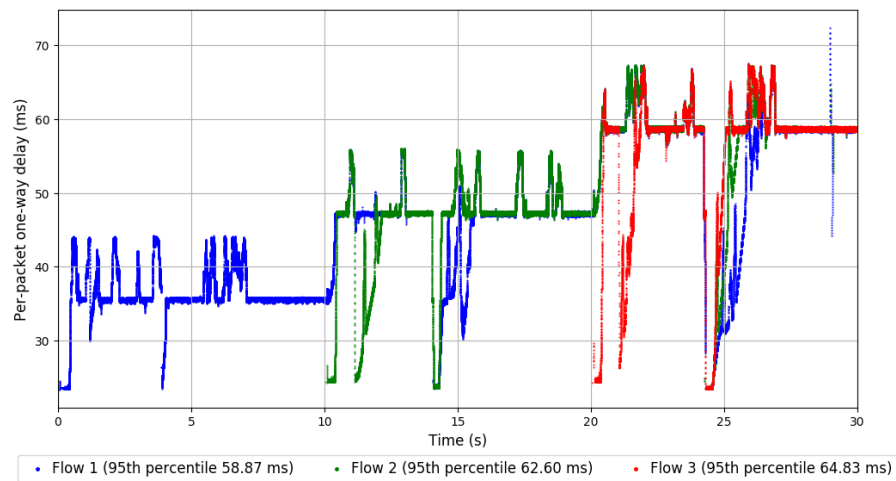
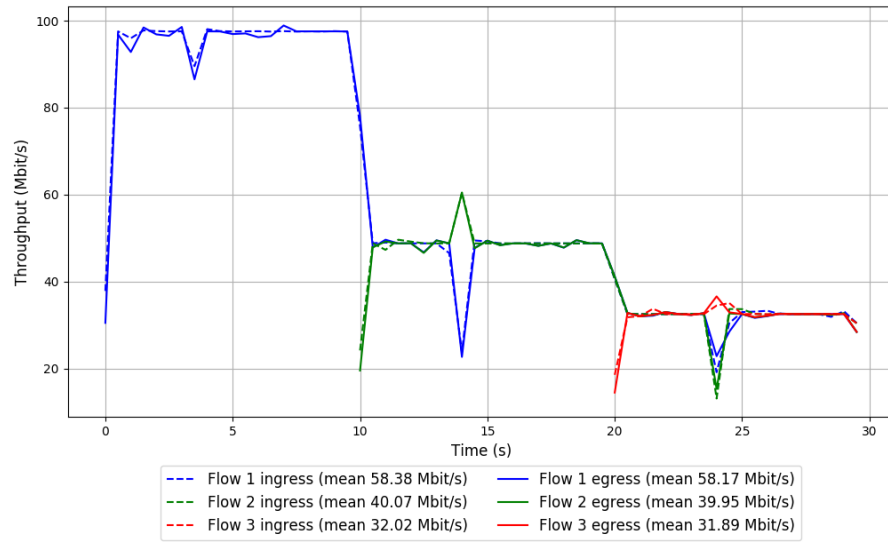


Run 7: Statistics of TCP BBR

Start at: 2018-02-03 00:42:29
End at: 2018-02-03 00:42:59
Local clock offset: 0.818 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-02-03 06:38:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 60.883 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 58.865 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 62.605 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 64.831 ms
Loss rate: 1.12%

Run 7: Report of TCP BBR — Data Link

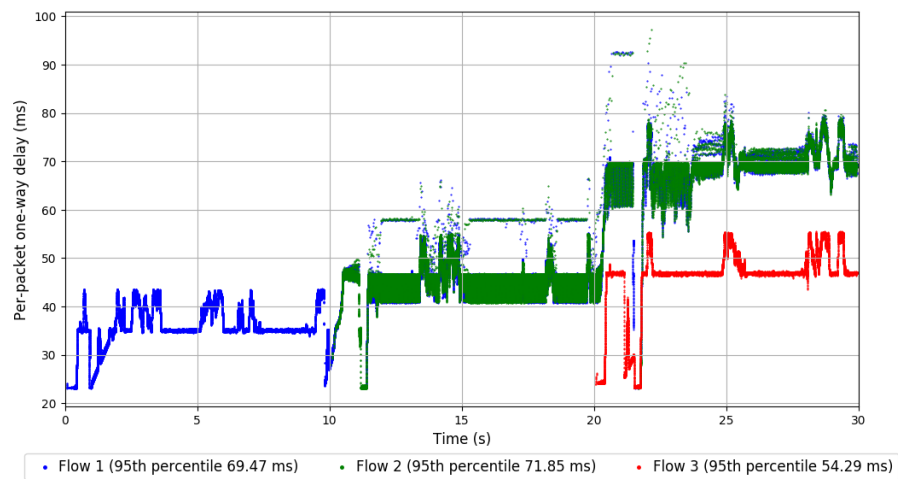
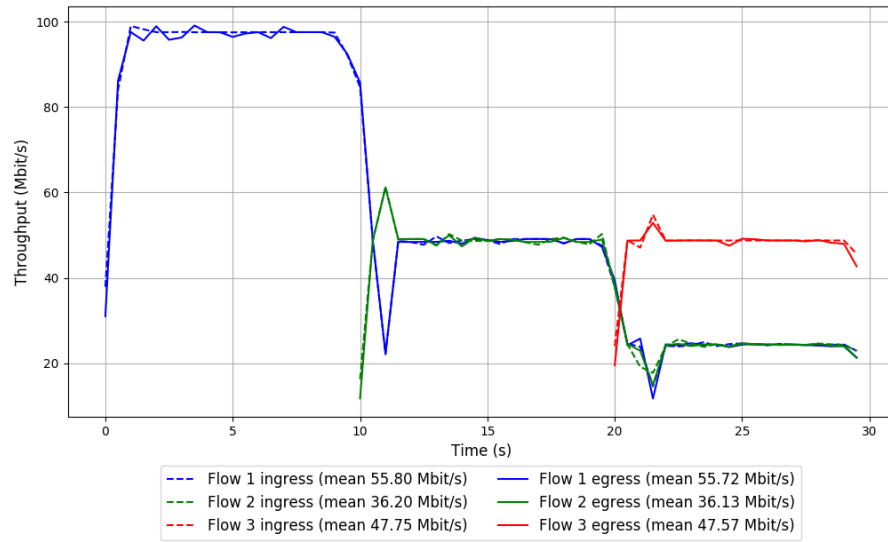


Run 8: Statistics of TCP BBR

Start at: 2018-02-03 01:07:25
End at: 2018-02-03 01:07:55
Local clock offset: 0.935 ms
Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-02-03 06:38:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 69.583 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 69.475 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 71.846 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 47.57 Mbit/s
95th percentile per-packet one-way delay: 54.294 ms
Loss rate: 1.03%

Run 8: Report of TCP BBR — Data Link

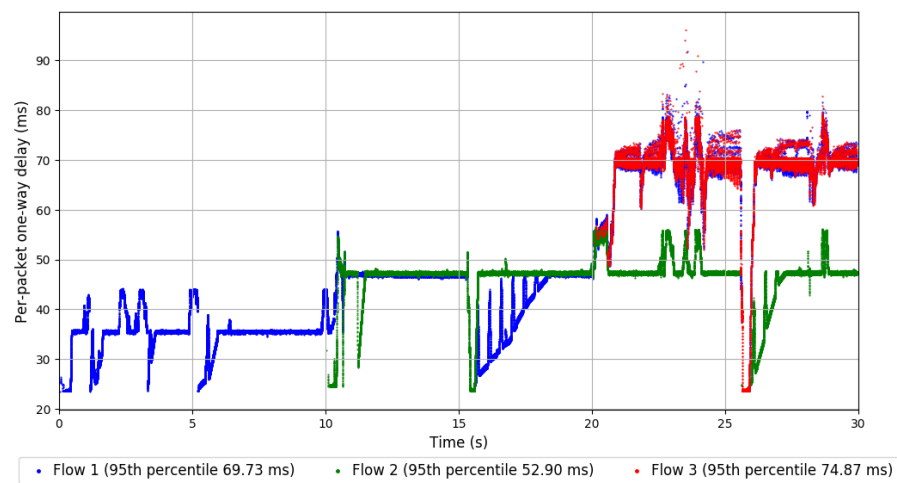
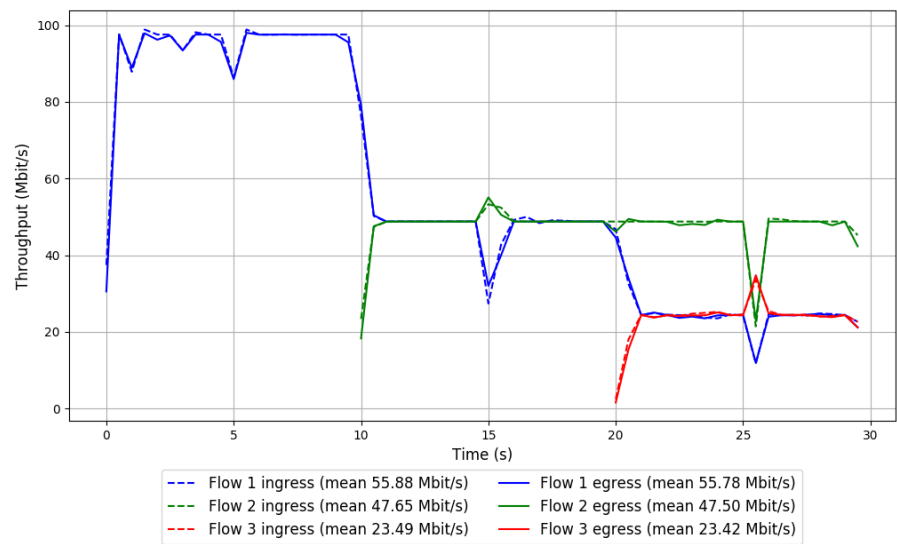


Run 9: Statistics of TCP BBR

Start at: 2018-02-03 01:32:15
End at: 2018-02-03 01:32:45
Local clock offset: 1.148 ms
Remote clock offset: -1.459 ms

Below is generated by plot.py at 2018-02-03 06:39:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 69.961 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 69.732 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 52.897 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 74.870 ms
Loss rate: 1.36%

Run 9: Report of TCP BBR — Data Link

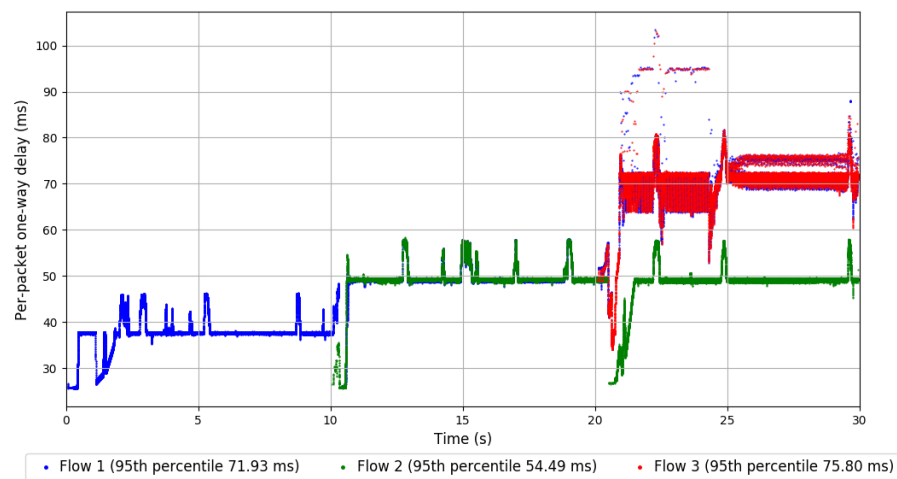
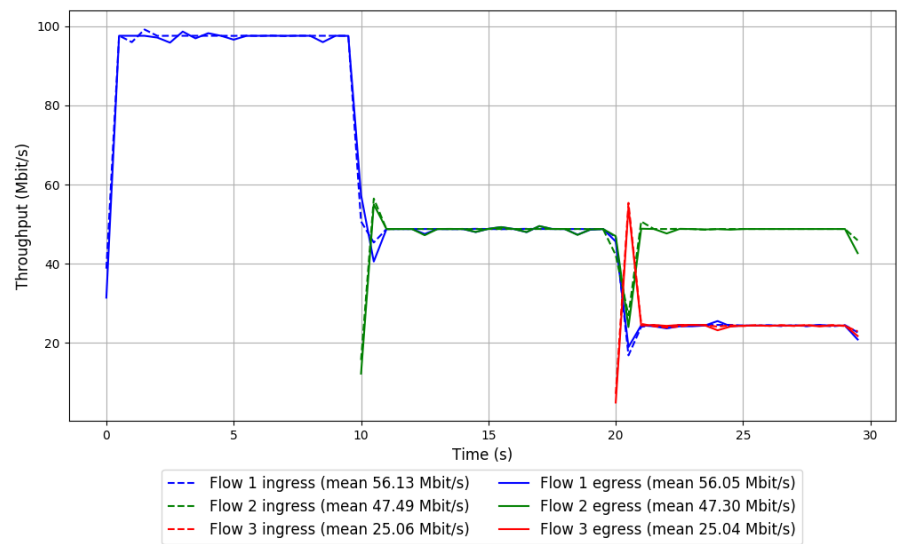


Run 10: Statistics of TCP BBR

Start at: 2018-02-03 01:57:01
End at: 2018-02-03 01:57:31
Local clock offset: 1.017 ms
Remote clock offset: -1.878 ms

Below is generated by plot.py at 2018-02-03 06:39:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 72.021 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 71.930 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 54.488 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 75.800 ms
Loss rate: 1.02%

Run 10: Report of TCP BBR — Data Link

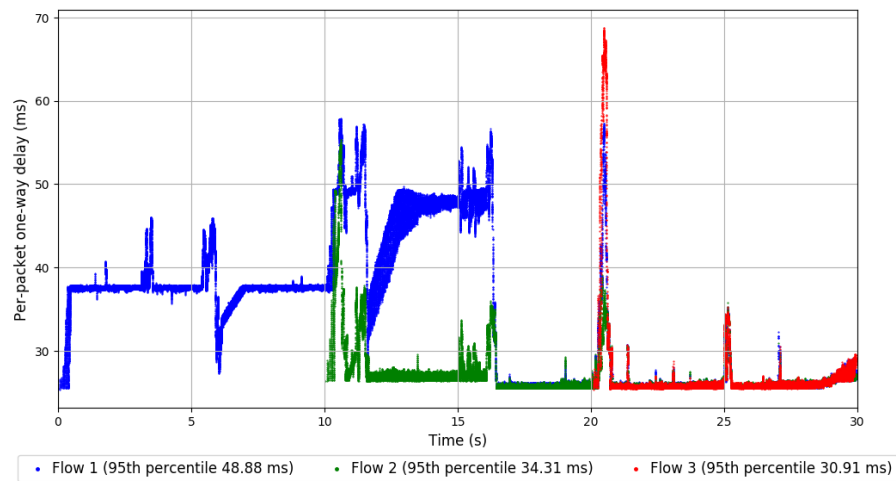
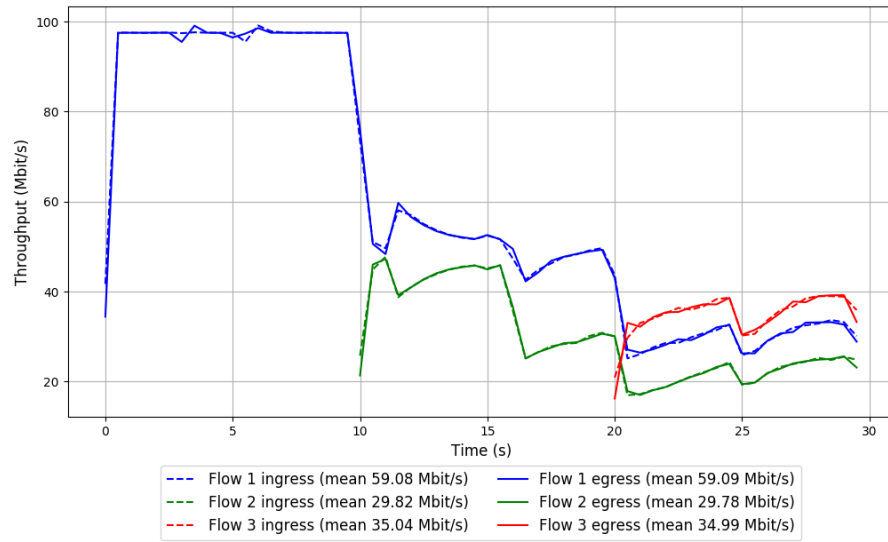


Run 1: Statistics of TCP Cubic

Start at: 2018-02-02 22:06:46
End at: 2018-02-02 22:07:16
Local clock offset: 0.71 ms
Remote clock offset: -7.249 ms

Below is generated by plot.py at 2018-02-03 06:39:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 48.183 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 48.883 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 29.78 Mbit/s
95th percentile per-packet one-way delay: 34.307 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 30.915 ms
Loss rate: 0.68%

Run 1: Report of TCP Cubic — Data Link

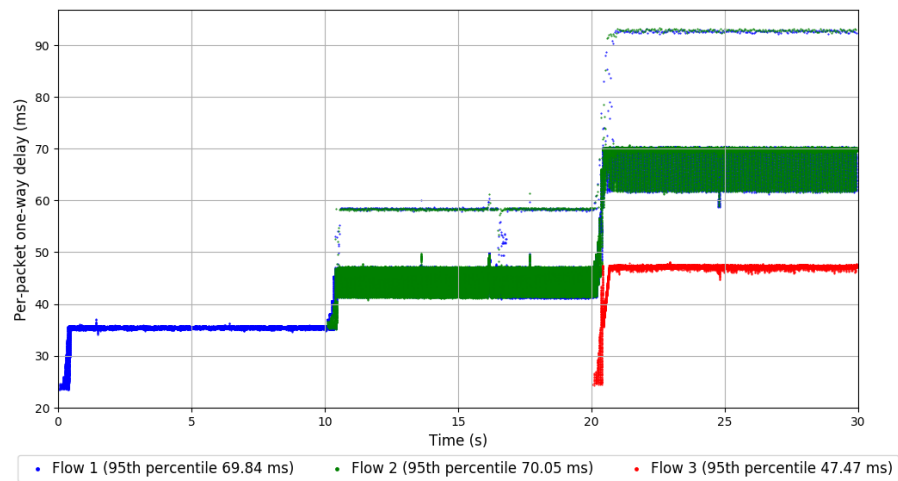
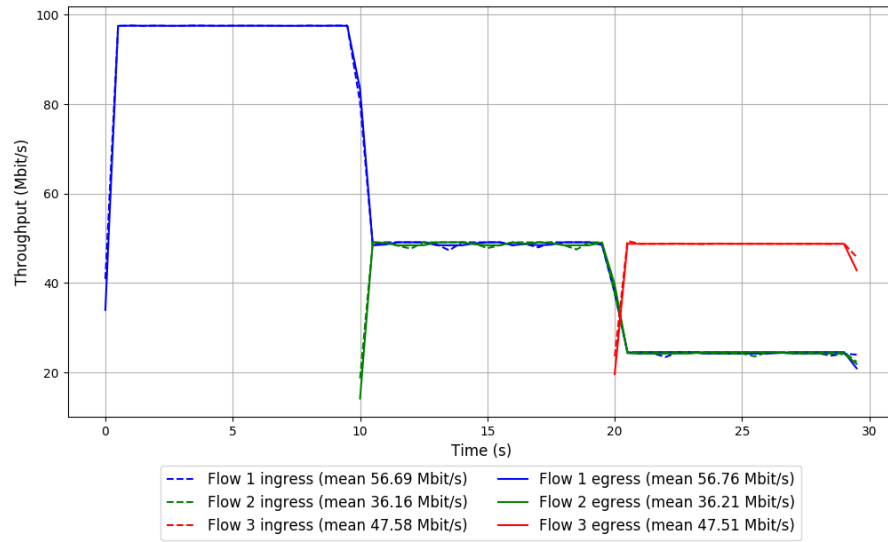


Run 2: Statistics of TCP Cubic

Start at: 2018-02-02 22:31:25
End at: 2018-02-02 22:31:55
Local clock offset: 0.921 ms
Remote clock offset: -3.314 ms

Below is generated by plot.py at 2018-02-03 06:39:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 69.895 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 69.842 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 70.051 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 47.467 ms
Loss rate: 0.80%

Run 2: Report of TCP Cubic — Data Link

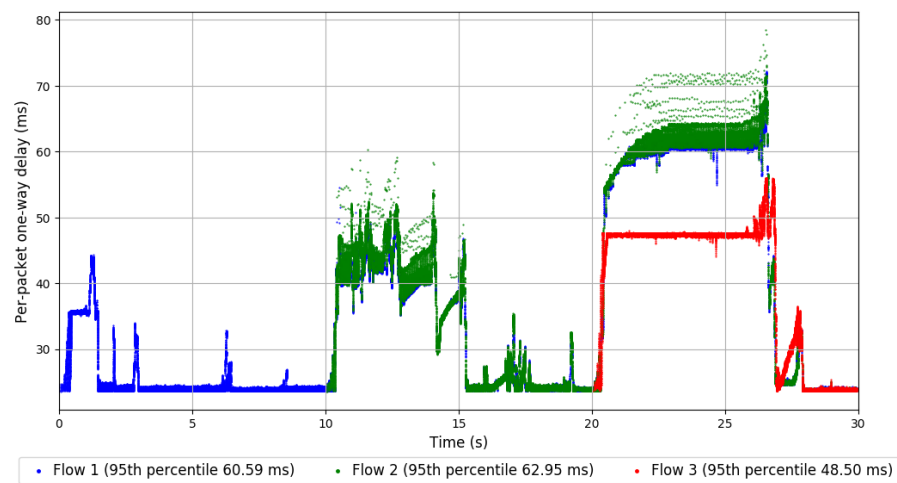
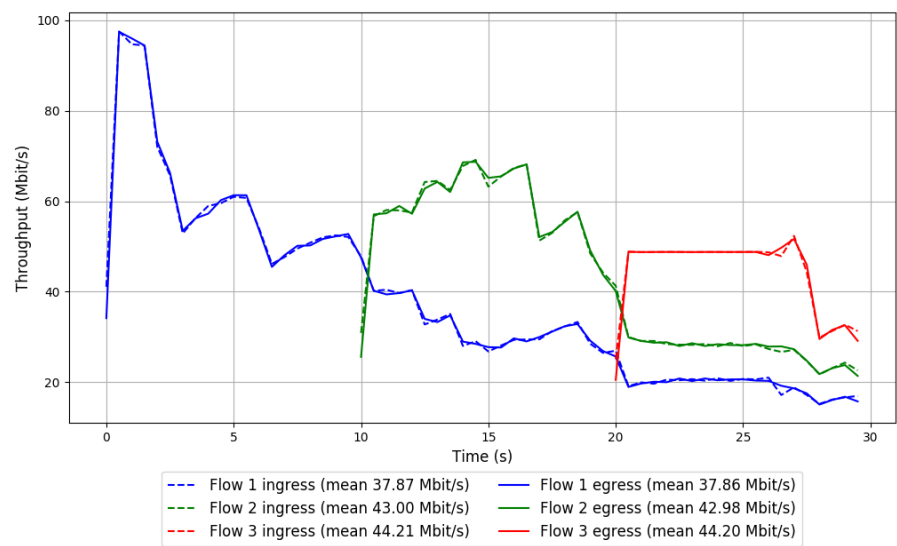


Run 3: Statistics of TCP Cubic

Start at: 2018-02-02 22:56:07
End at: 2018-02-02 22:56:37
Local clock offset: 1.044 ms
Remote clock offset: -1.646 ms

Below is generated by plot.py at 2018-02-03 06:39:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 61.323 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 60.593 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 42.98 Mbit/s
95th percentile per-packet one-way delay: 62.945 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 44.20 Mbit/s
95th percentile per-packet one-way delay: 48.499 ms
Loss rate: 0.55%

Run 3: Report of TCP Cubic — Data Link

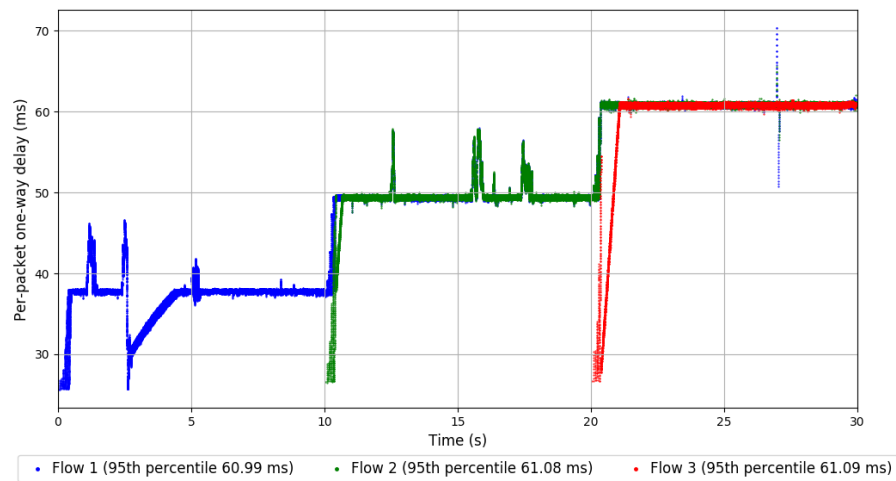
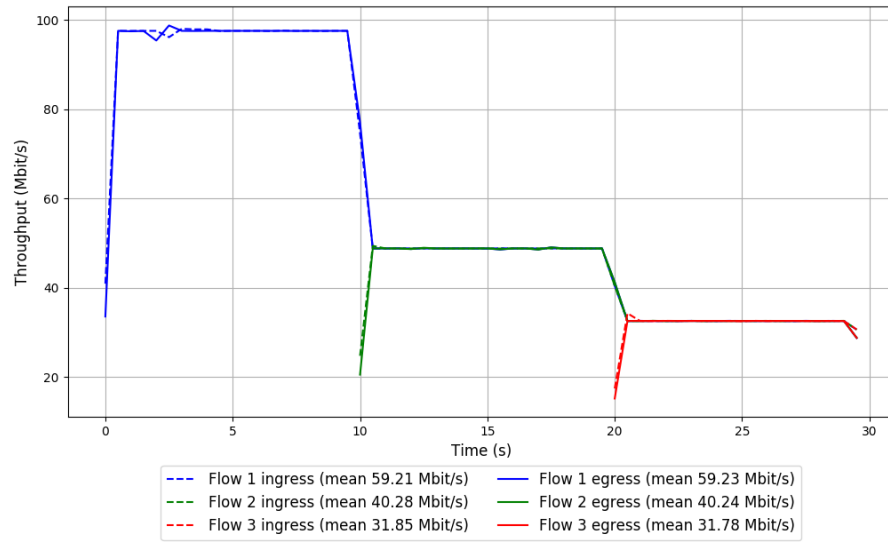


Run 4: Statistics of TCP Cubic

Start at: 2018-02-02 23:20:44
End at: 2018-02-02 23:21:14
Local clock offset: 1.149 ms
Remote clock offset: -2.418 ms

Below is generated by plot.py at 2018-02-03 06:39:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 61.052 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 60.990 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: 61.077 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 61.090 ms
Loss rate: 0.91%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-02-02 23:45:21

End at: 2018-02-02 23:45:51

Local clock offset: 1.072 ms

Remote clock offset: 0.999 ms

Below is generated by plot.py at 2018-02-03 06:39:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.63 Mbit/s

95th percentile per-packet one-way delay: 46.911 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 33.50 Mbit/s

95th percentile per-packet one-way delay: 40.110 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 36.54 Mbit/s

95th percentile per-packet one-way delay: 42.756 ms

Loss rate: 0.22%

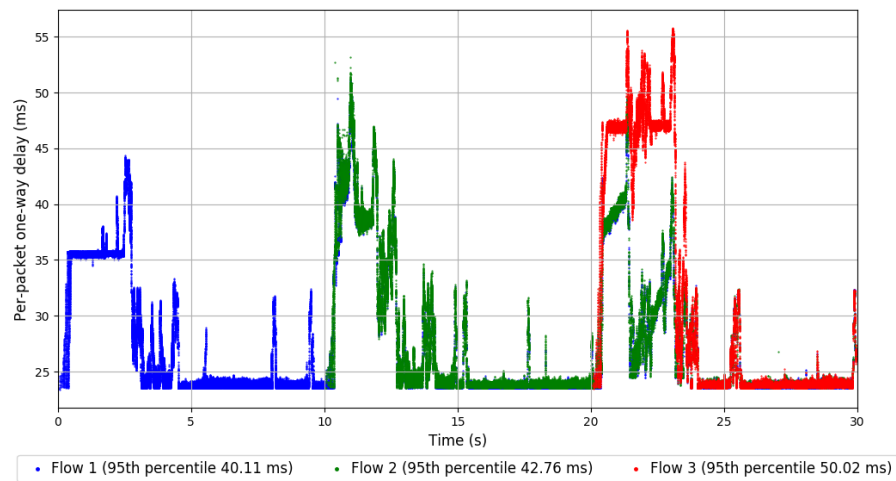
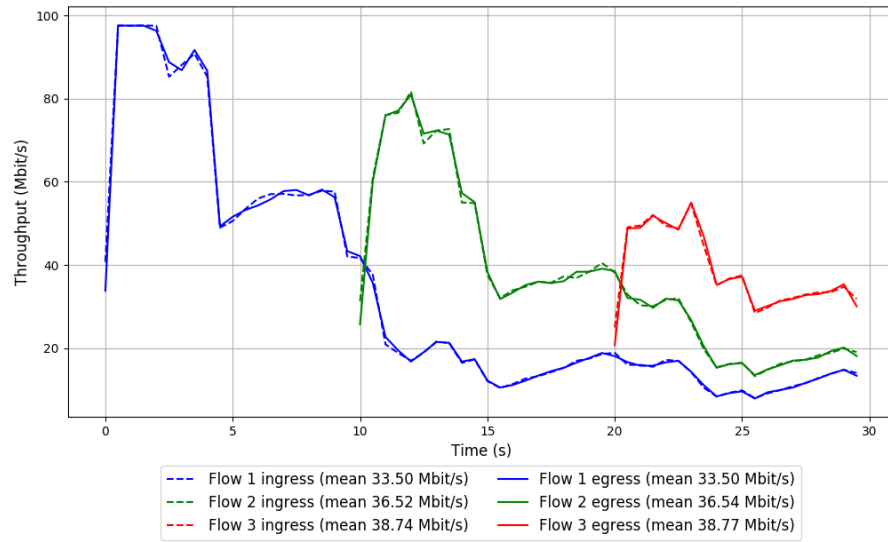
-- Flow 3:

Average throughput: 38.77 Mbit/s

95th percentile per-packet one-way delay: 50.015 ms

Loss rate: 0.46%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-02-03 00:10:51

End at: 2018-02-03 00:11:21

Local clock offset: 0.95 ms

Remote clock offset: 1.168 ms

Below is generated by plot.py at 2018-02-03 06:39:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.82 Mbit/s

95th percentile per-packet one-way delay: 31.378 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 11.99 Mbit/s

95th percentile per-packet one-way delay: 28.920 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 21.19 Mbit/s

95th percentile per-packet one-way delay: 32.025 ms

Loss rate: 1.03%

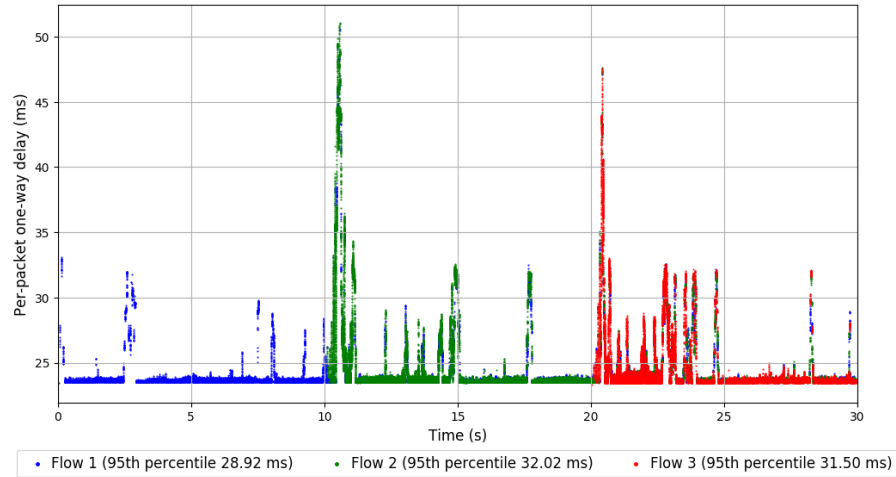
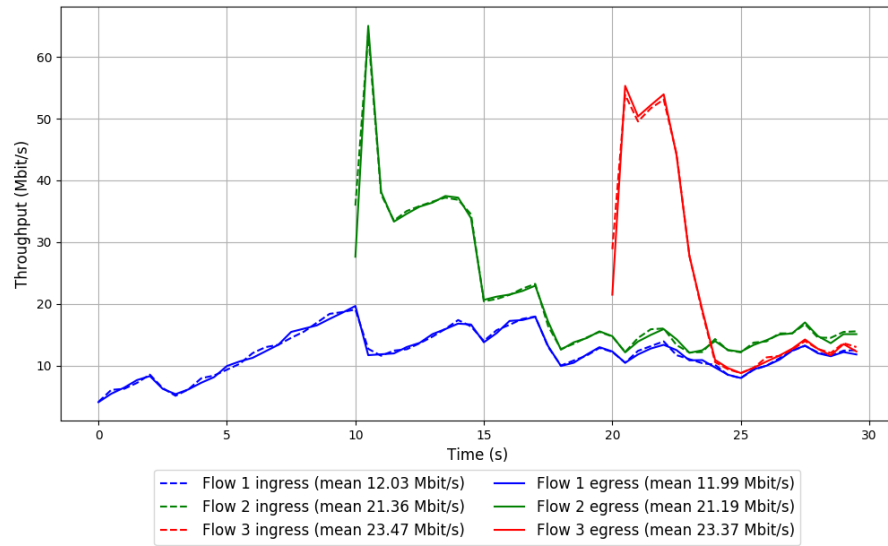
-- Flow 3:

Average throughput: 23.37 Mbit/s

95th percentile per-packet one-way delay: 31.497 ms

Loss rate: 0.97%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-03 00:35:43

End at: 2018-02-03 00:36:13

Local clock offset: 0.818 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-02-03 06:39:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.02 Mbit/s

95th percentile per-packet one-way delay: 31.984 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: 31.572 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 18.93 Mbit/s

95th percentile per-packet one-way delay: 34.543 ms

Loss rate: 0.51%

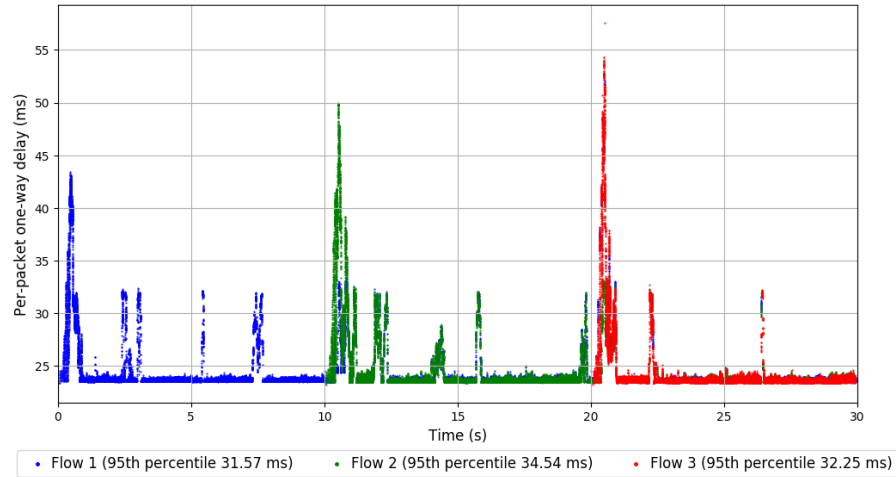
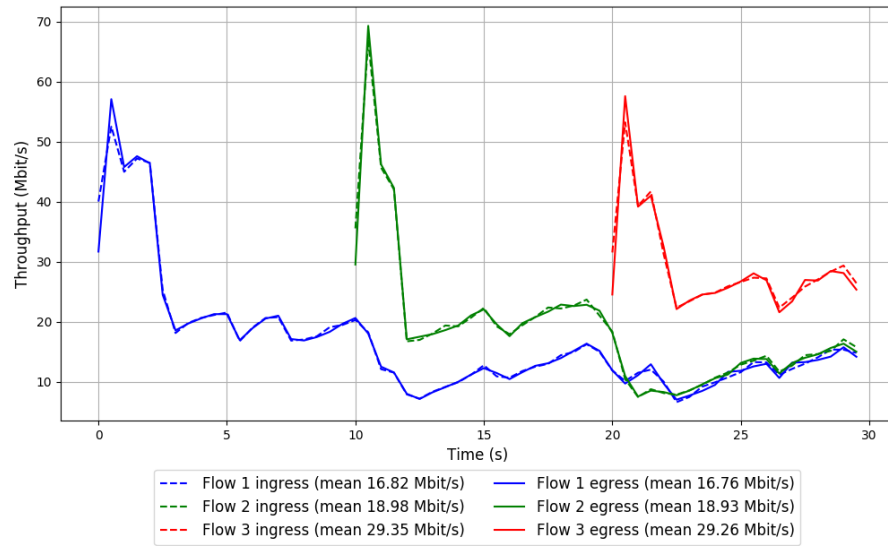
-- Flow 3:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 32.249 ms

Loss rate: 0.83%

Run 7: Report of TCP Cubic — Data Link

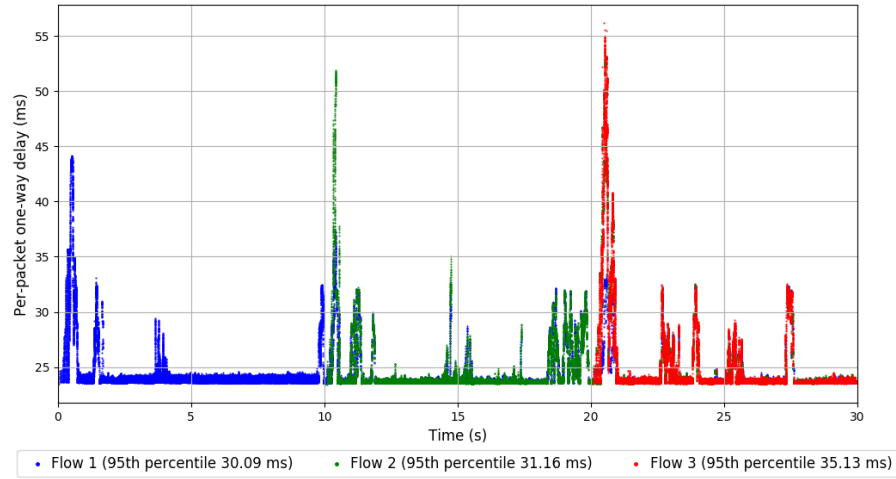
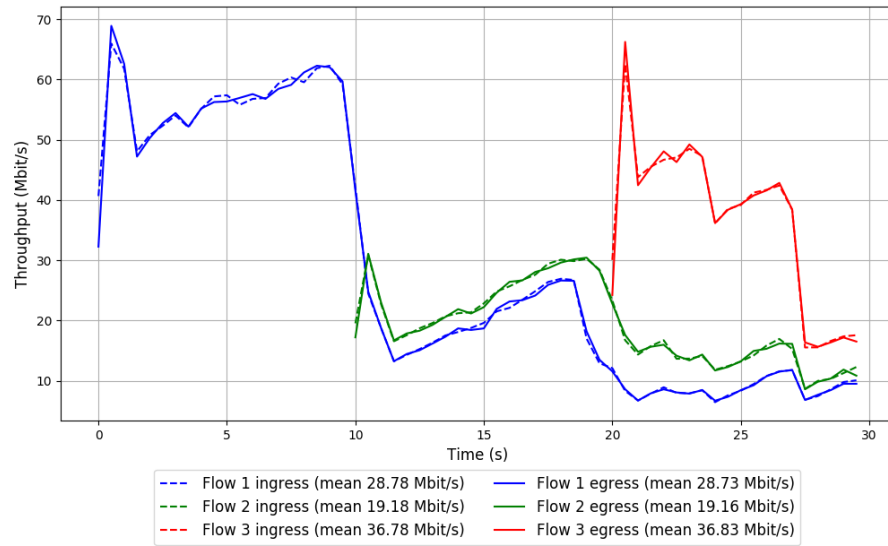


Run 8: Statistics of TCP Cubic

Start at: 2018-02-03 01:00:24
End at: 2018-02-03 01:00:54
Local clock offset: 0.959 ms
Remote clock offset: -1.532 ms

Below is generated by plot.py at 2018-02-03 06:40:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 31.334 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 30.094 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 35.126 ms
Loss rate: 0.41%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-03 01:25:27

End at: 2018-02-03 01:25:57

Local clock offset: 1.071 ms

Remote clock offset: -1.28 ms

Below is generated by plot.py at 2018-02-03 06:40:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.29 Mbit/s

95th percentile per-packet one-way delay: 52.201 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 44.27 Mbit/s

95th percentile per-packet one-way delay: 35.269 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 36.06 Mbit/s

95th percentile per-packet one-way delay: 47.621 ms

Loss rate: 0.30%

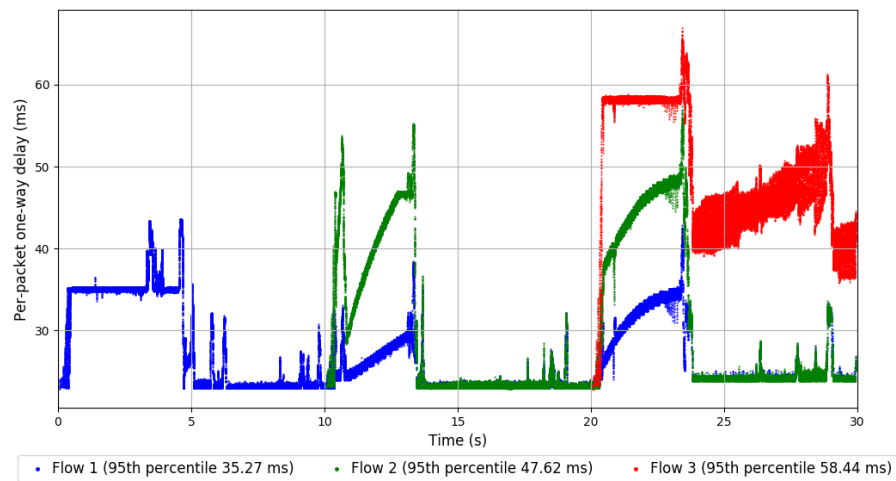
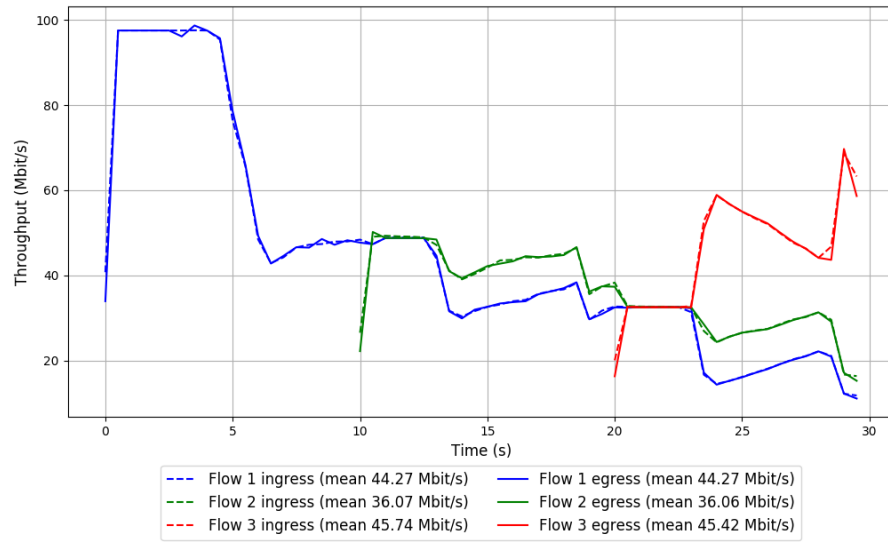
-- Flow 3:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 58.436 ms

Loss rate: 1.31%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-02-03 01:50:10

End at: 2018-02-03 01:50:40

Local clock offset: 0.927 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-02-03 06:40:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.87 Mbit/s

95th percentile per-packet one-way delay: 51.960 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 43.79 Mbit/s

95th percentile per-packet one-way delay: 38.128 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 46.828 ms

Loss rate: 0.26%

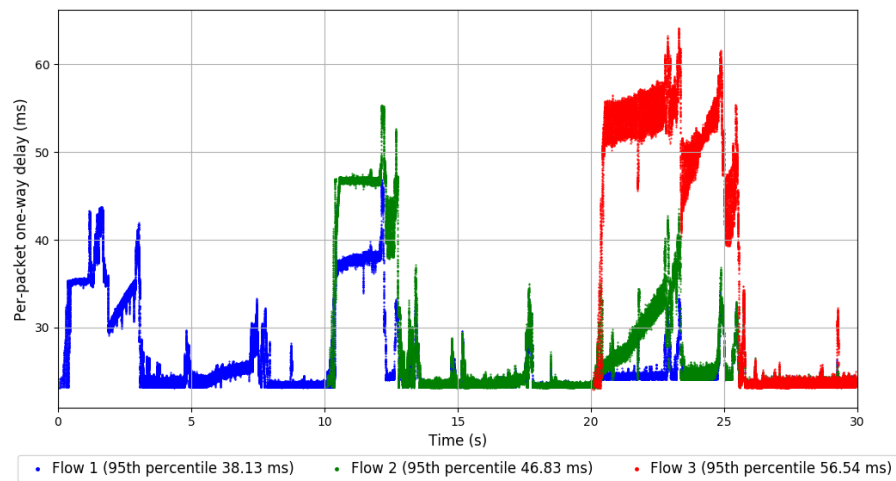
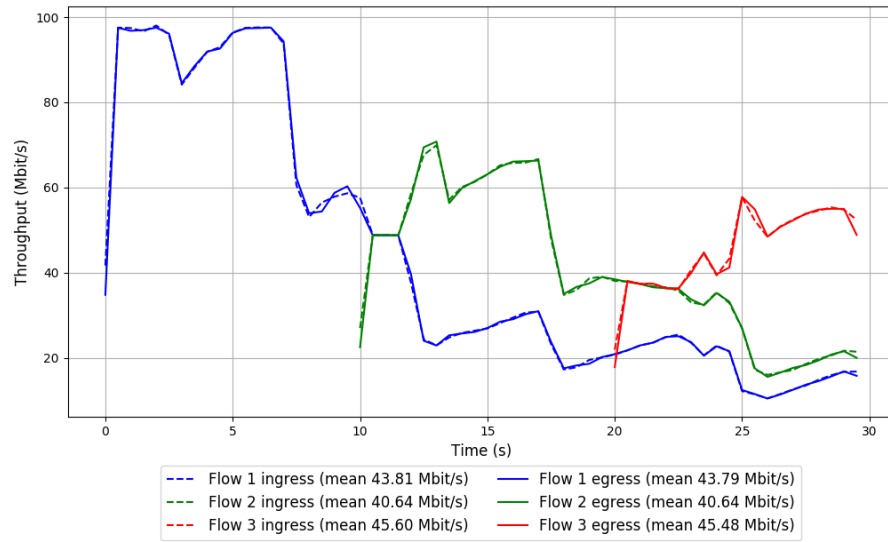
-- Flow 3:

Average throughput: 45.48 Mbit/s

95th percentile per-packet one-way delay: 56.540 ms

Loss rate: 0.78%

Run 10: Report of TCP Cubic — Data Link

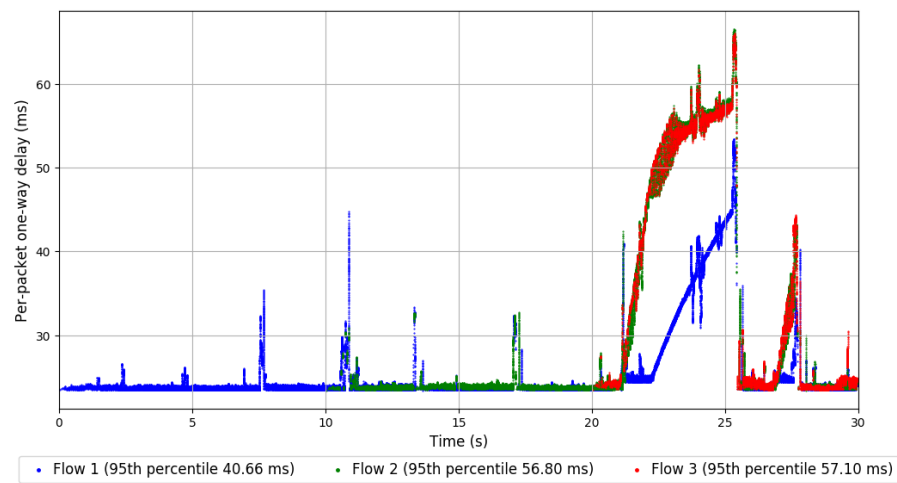
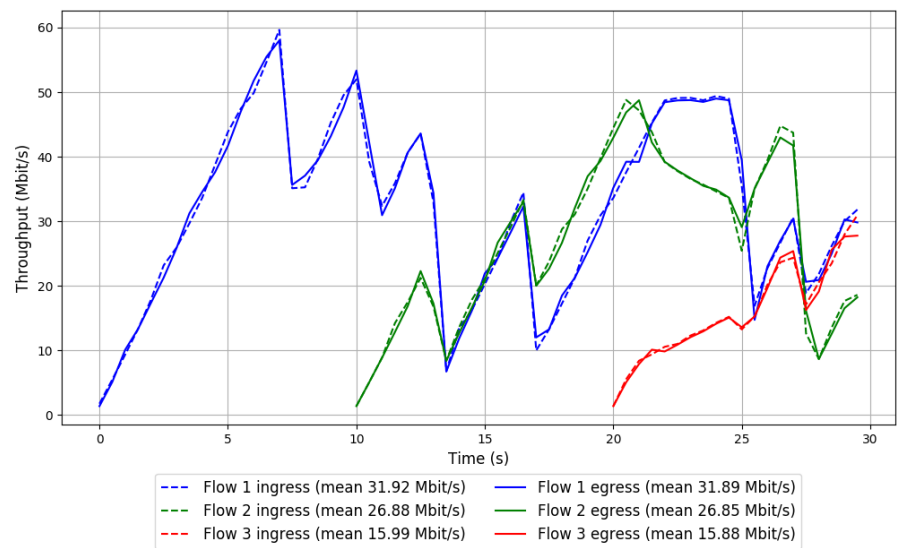


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-02 22:24:30
End at: 2018-02-02 22:25:00
Local clock offset: 0.873 ms
Remote clock offset: -3.775 ms

# Below is generated by plot.py at 2018-02-03 06:40:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 55.109 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 40.659 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 56.803 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 57.100 ms
Loss rate: 1.22%
```


Run 1: Report of LEDBAT — Data Link

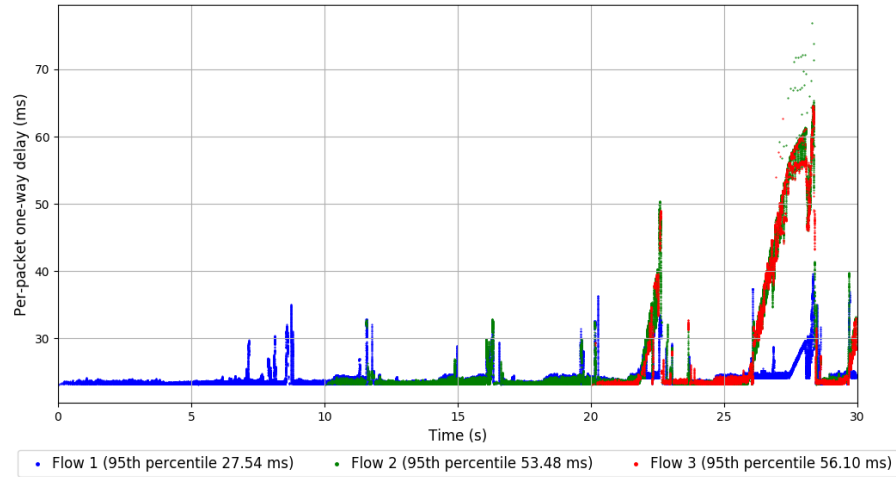
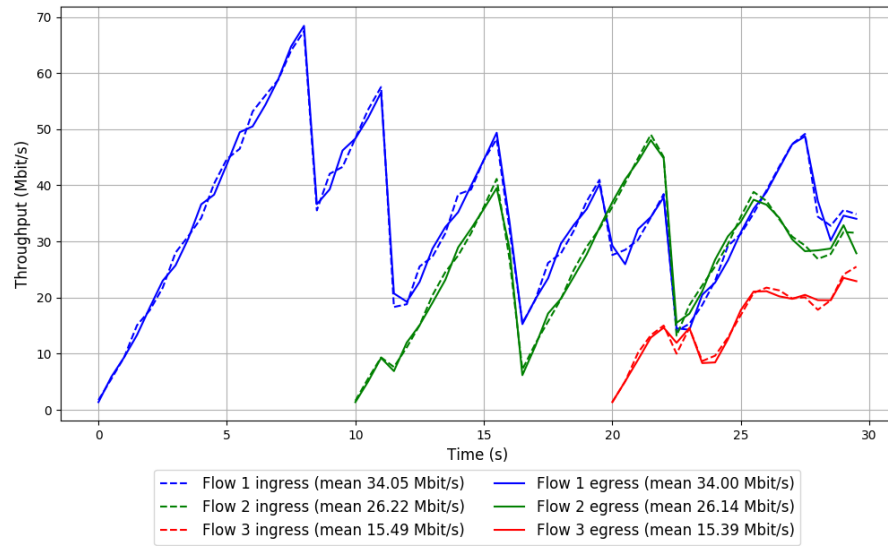


Run 2: Statistics of LEDBAT

Start at: 2018-02-02 22:49:09
End at: 2018-02-02 22:49:39
Local clock offset: 1.09 ms
Remote clock offset: -1.712 ms

Below is generated by plot.py at 2018-02-03 06:40:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 41.359 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 27.536 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 26.14 Mbit/s
95th percentile per-packet one-way delay: 53.475 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 15.39 Mbit/s
95th percentile per-packet one-way delay: 56.100 ms
Loss rate: 1.19%

Run 2: Report of LEDBAT — Data Link

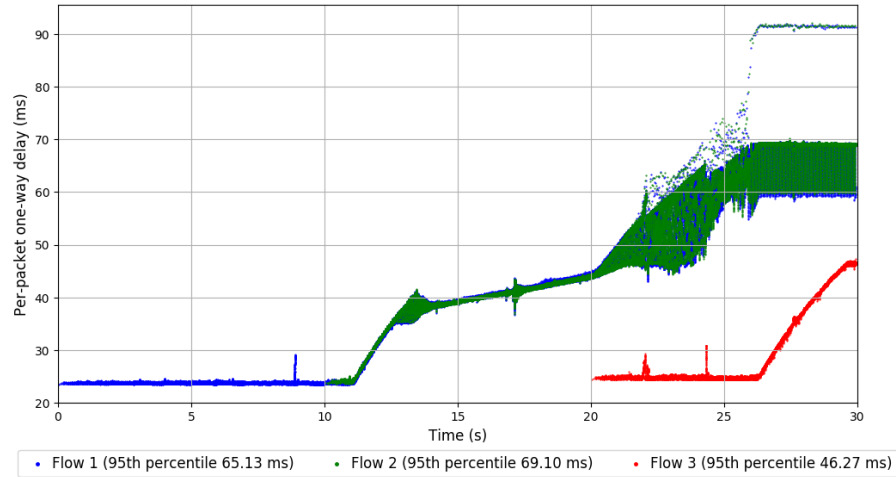
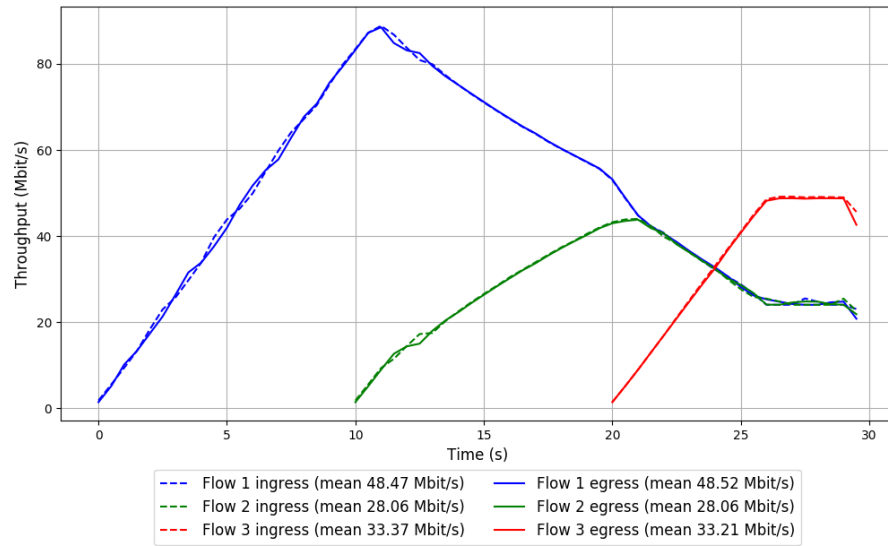


Run 3: Statistics of LEDBAT

Start at: 2018-02-02 23:13:50
End at: 2018-02-02 23:14:20
Local clock offset: 1.096 ms
Remote clock offset: -0.627 ms

Below is generated by plot.py at 2018-02-03 06:40:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 67.317 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 65.130 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 69.104 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 46.274 ms
Loss rate: 1.13%

Run 3: Report of LEDBAT — Data Link

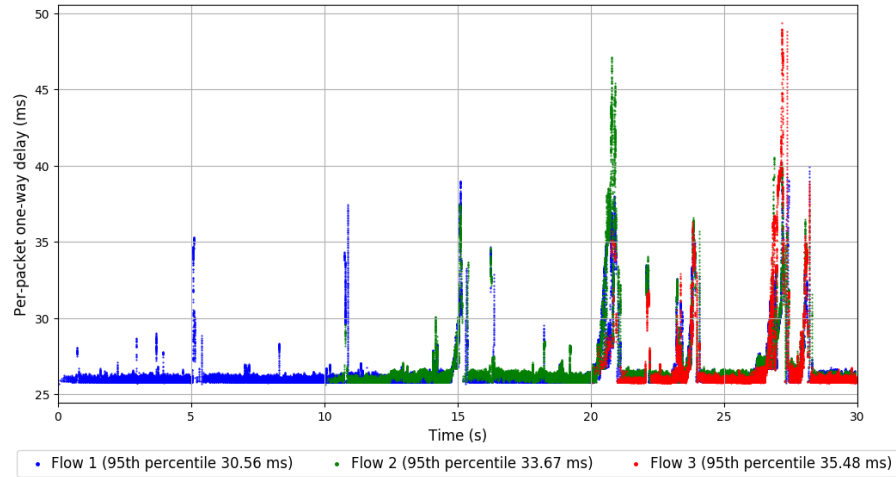
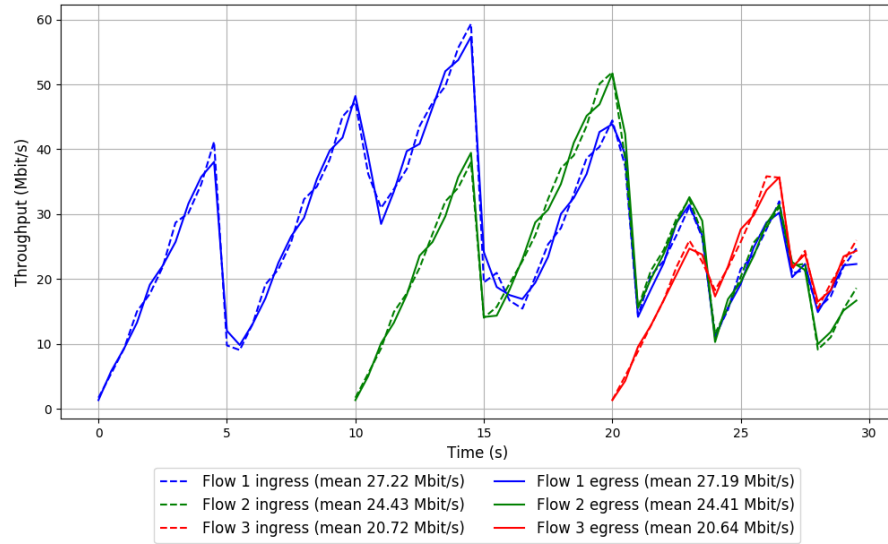


Run 4: Statistics of LEDBAT

Start at: 2018-02-02 23:38:23
End at: 2018-02-02 23:38:53
Local clock offset: 1.15 ms
Remote clock offset: -1.508 ms

Below is generated by plot.py at 2018-02-03 06:40:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 32.412 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 27.19 Mbit/s
95th percentile per-packet one-way delay: 30.558 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 33.670 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 35.485 ms
Loss rate: 0.89%

Run 4: Report of LEDBAT — Data Link

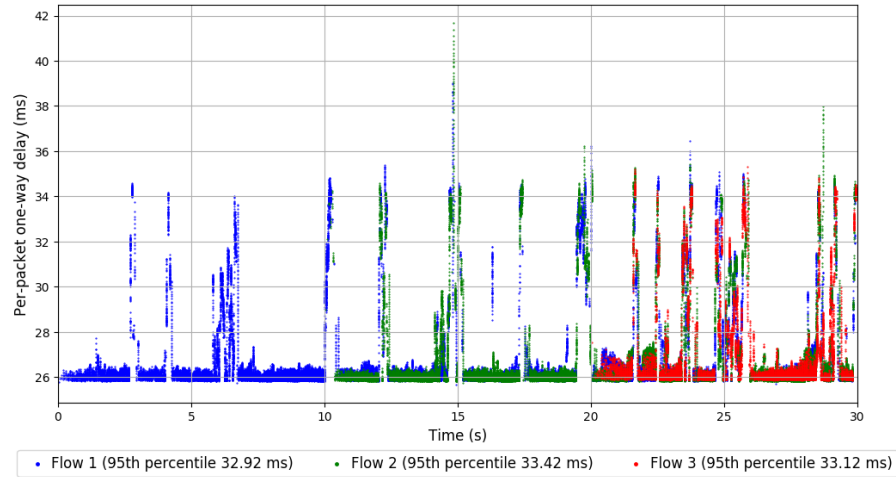
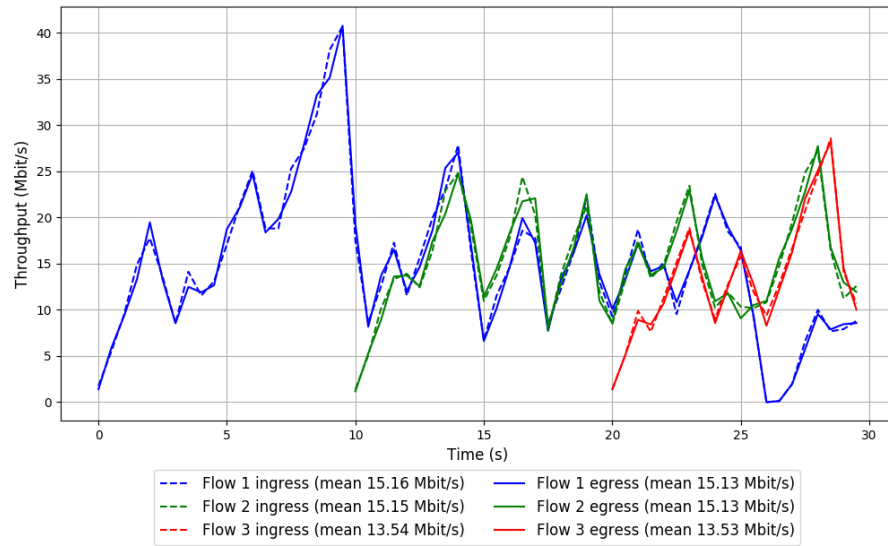


Run 5: Statistics of LEDBAT

Start at: 2018-02-03 00:03:22
End at: 2018-02-03 00:03:52
Local clock offset: 1.172 ms
Remote clock offset: -1.011 ms

Below is generated by plot.py at 2018-02-03 06:40:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 33.167 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 15.13 Mbit/s
95th percentile per-packet one-way delay: 32.923 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 15.13 Mbit/s
95th percentile per-packet one-way delay: 33.425 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 33.120 ms
Loss rate: 0.51%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-02-03 00:28:42

End at: 2018-02-03 00:29:13

Local clock offset: 0.841 ms

Remote clock offset: 0.476 ms

Below is generated by plot.py at 2018-02-03 06:40:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.09 Mbit/s

95th percentile per-packet one-way delay: 29.690 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 19.23 Mbit/s

95th percentile per-packet one-way delay: 29.249 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 29.746 ms

Loss rate: 0.32%

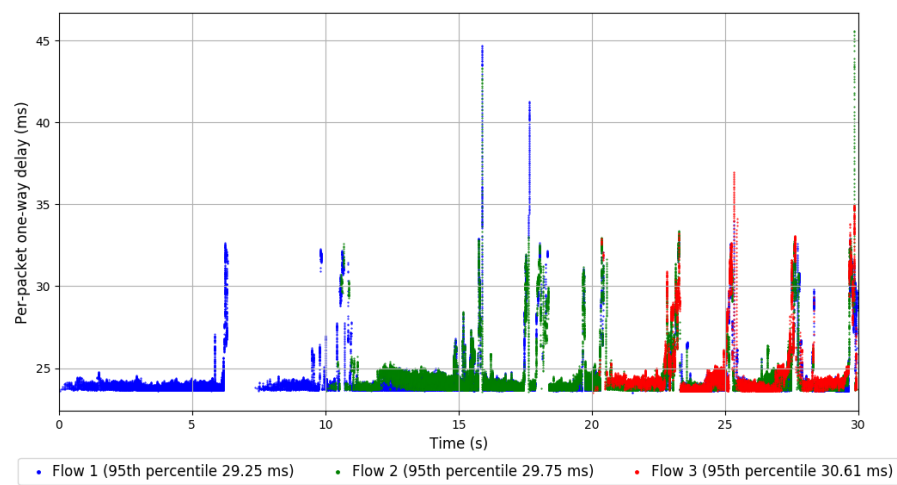
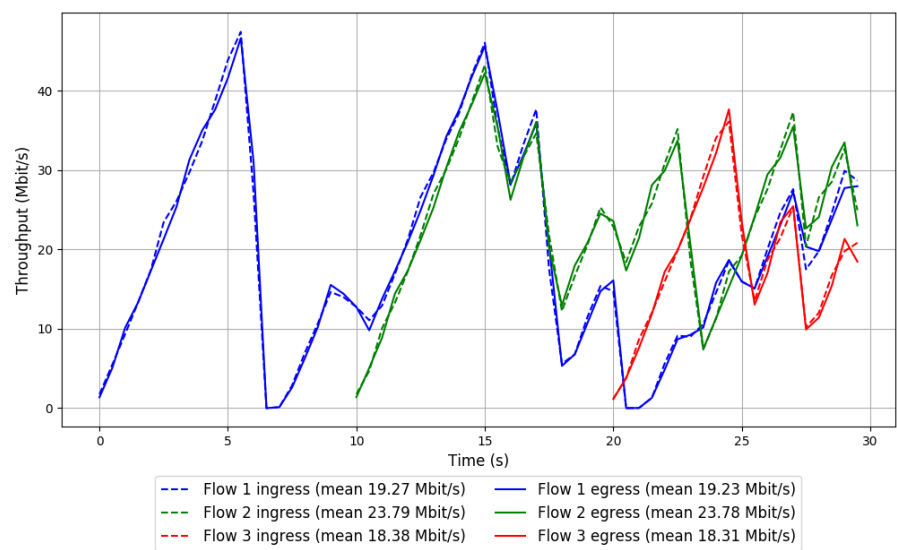
-- Flow 3:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 30.613 ms

Loss rate: 0.92%

Run 6: Report of LEDBAT — Data Link

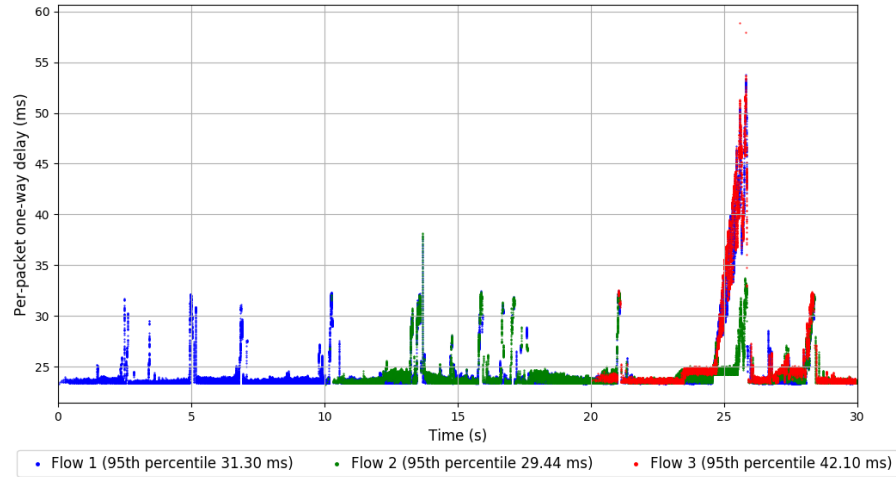
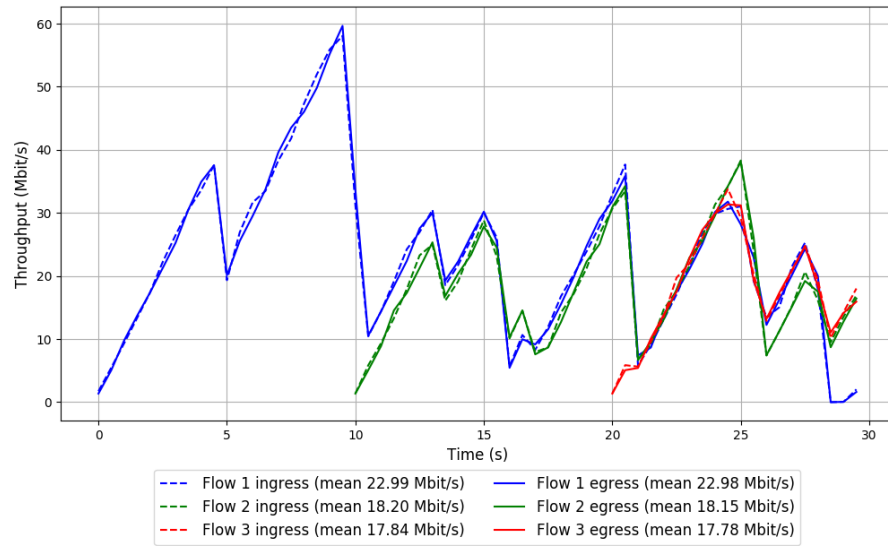


Run 7: Statistics of LEDBAT

Start at: 2018-02-03 00:53:29
End at: 2018-02-03 00:53:59
Local clock offset: 0.768 ms
Remote clock offset: -1.044 ms

Below is generated by plot.py at 2018-02-03 06:40:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 31.794 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 31.298 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 18.15 Mbit/s
95th percentile per-packet one-way delay: 29.439 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 17.78 Mbit/s
95th percentile per-packet one-way delay: 42.096 ms
Loss rate: 0.87%

Run 7: Report of LEDBAT — Data Link

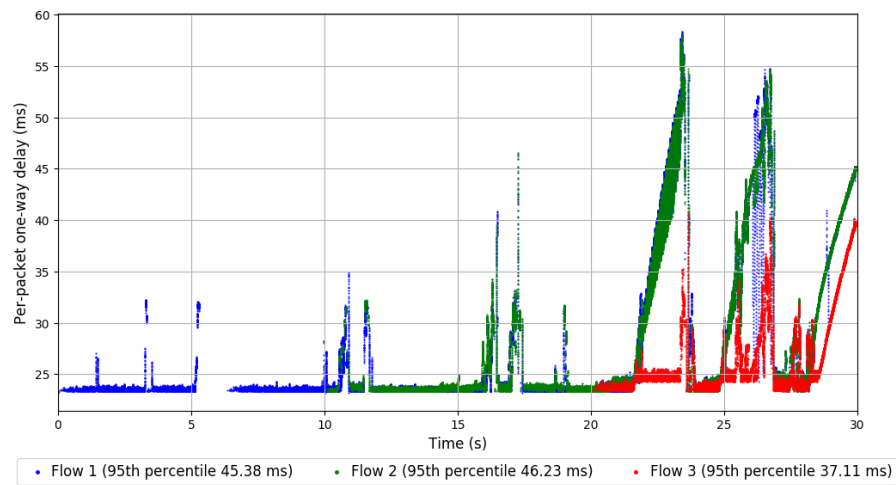
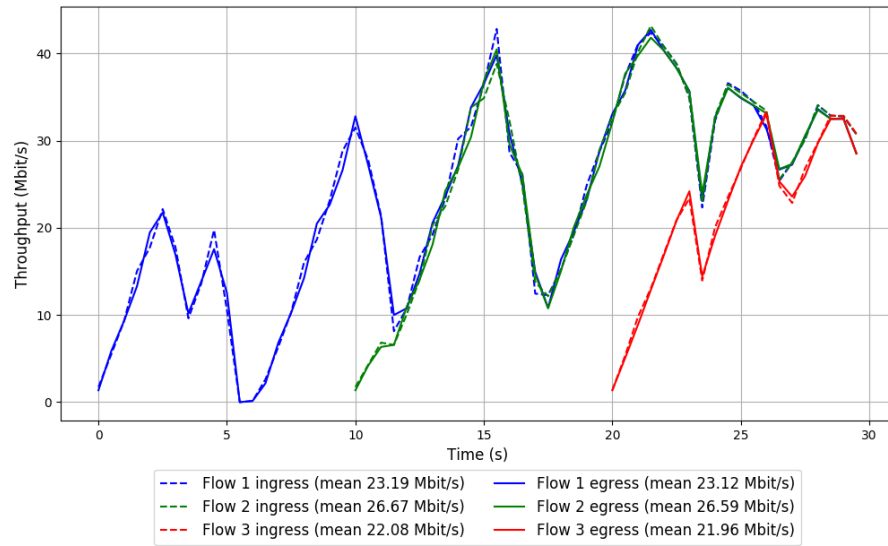


Run 8: Statistics of LEDBAT

Start at: 2018-02-03 01:18:29
End at: 2018-02-03 01:18:59
Local clock offset: 1.005 ms
Remote clock offset: -1.818 ms

Below is generated by plot.py at 2018-02-03 06:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 44.971 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 45.382 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 26.59 Mbit/s
95th percentile per-packet one-way delay: 46.232 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 37.113 ms
Loss rate: 1.08%

Run 8: Report of LEDBAT — Data Link

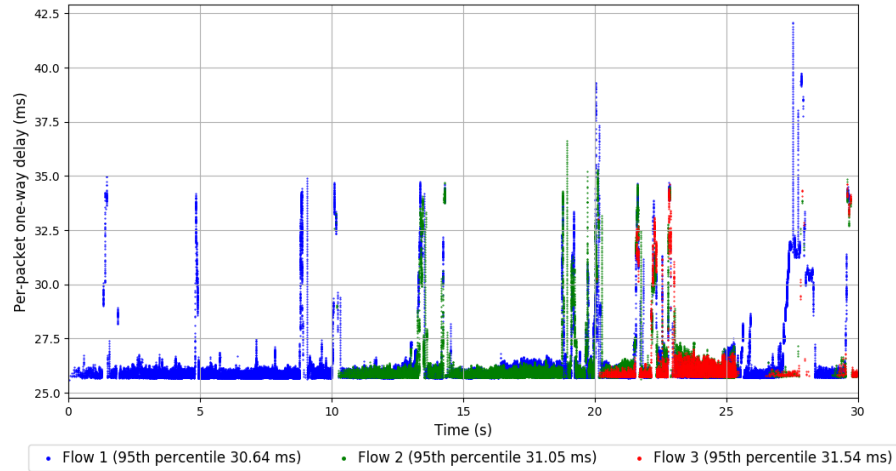
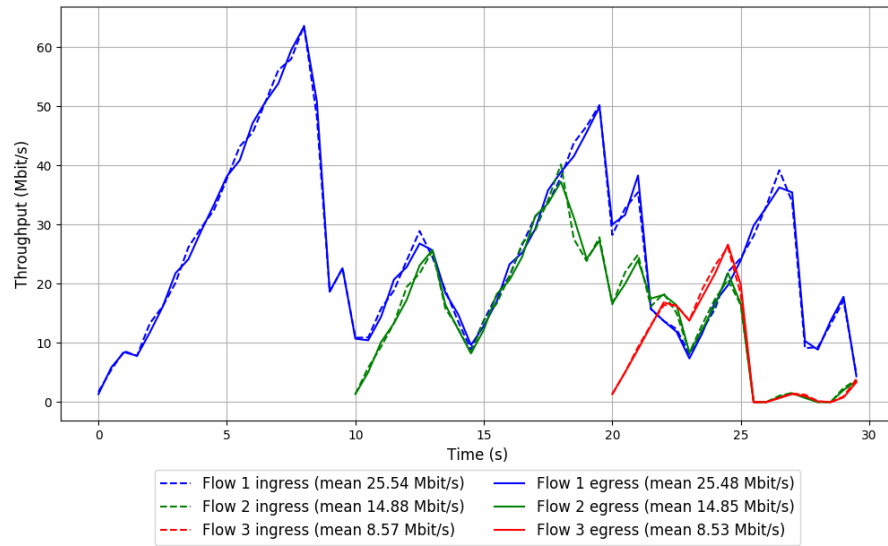


Run 9: Statistics of LEDBAT

Start at: 2018-02-03 01:43:11
End at: 2018-02-03 01:43:41
Local clock offset: 0.918 ms
Remote clock offset: -2.912 ms

Below is generated by plot.py at 2018-02-03 06:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 30.820 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 30.636 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 31.046 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 31.542 ms
Loss rate: 1.09%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-03 02:08:13

End at: 2018-02-03 02:08:43

Local clock offset: 1.04 ms

Remote clock offset: 1.04 ms

Below is generated by plot.py at 2018-02-03 06:41:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.42 Mbit/s

95th percentile per-packet one-way delay: 42.748 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 26.87 Mbit/s

95th percentile per-packet one-way delay: 44.199 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 20.31 Mbit/s

95th percentile per-packet one-way delay: 52.171 ms

Loss rate: 0.25%

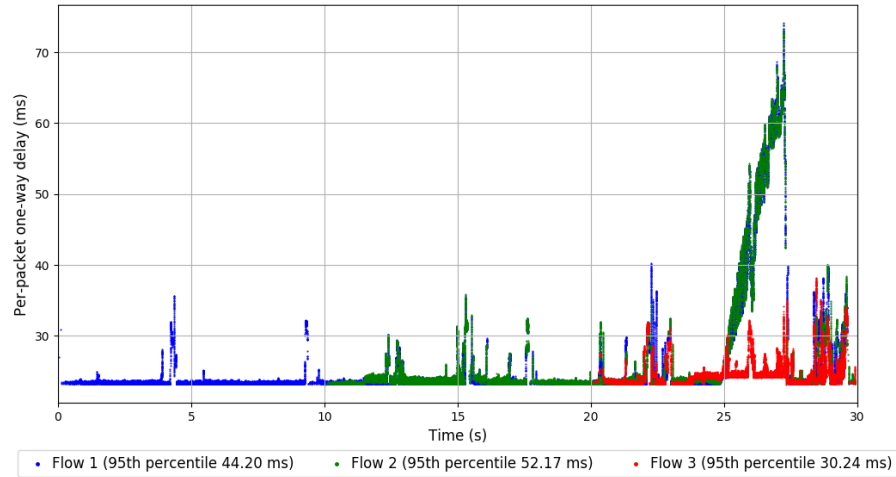
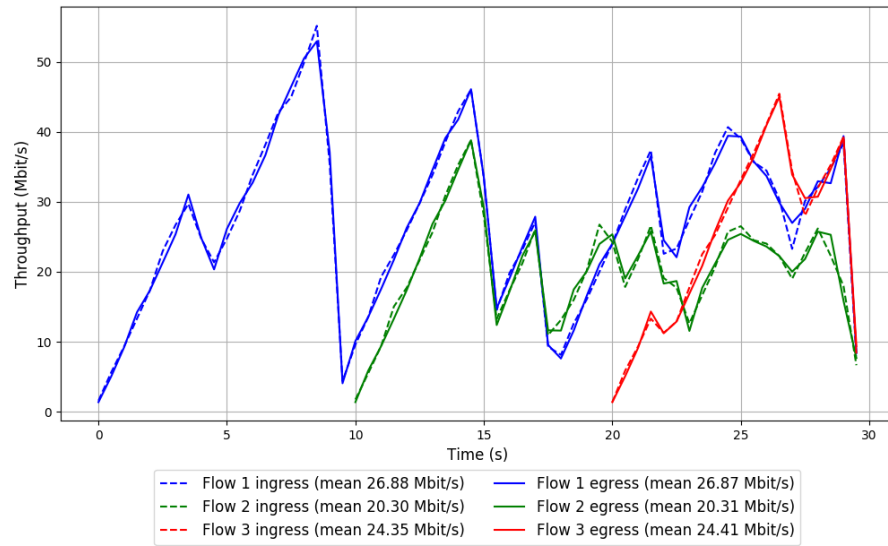
-- Flow 3:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 30.238 ms

Loss rate: 0.31%

Run 10: Report of LEDBAT — Data Link

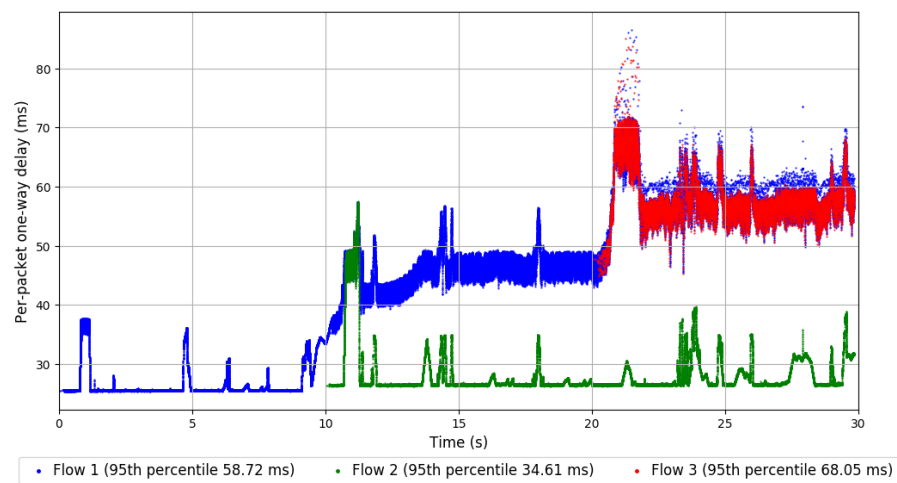
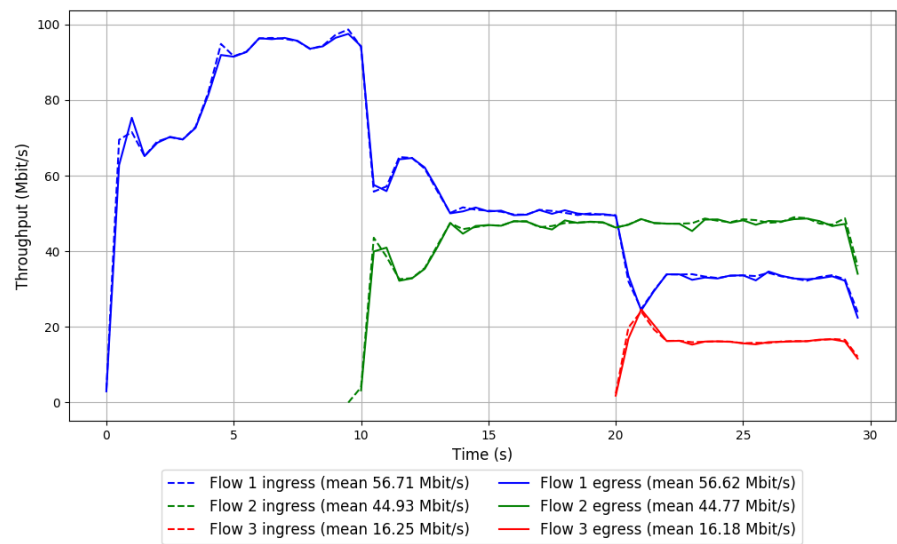


Run 1: Statistics of PCC

Start at: 2018-02-02 22:08:07
End at: 2018-02-02 22:08:37
Local clock offset: 0.738 ms
Remote clock offset: -7.125 ms

Below is generated by plot.py at 2018-02-03 06:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 58.593 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 58.715 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 34.611 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 68.048 ms
Loss rate: 1.21%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-02-02 22:32:47

End at: 2018-02-02 22:33:17

Local clock offset: 0.985 ms

Remote clock offset: -3.23 ms

Below is generated by plot.py at 2018-02-03 06:42:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.28 Mbit/s

95th percentile per-packet one-way delay: 66.353 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 65.709 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 31.05 Mbit/s

95th percentile per-packet one-way delay: 67.987 ms

Loss rate: 0.45%

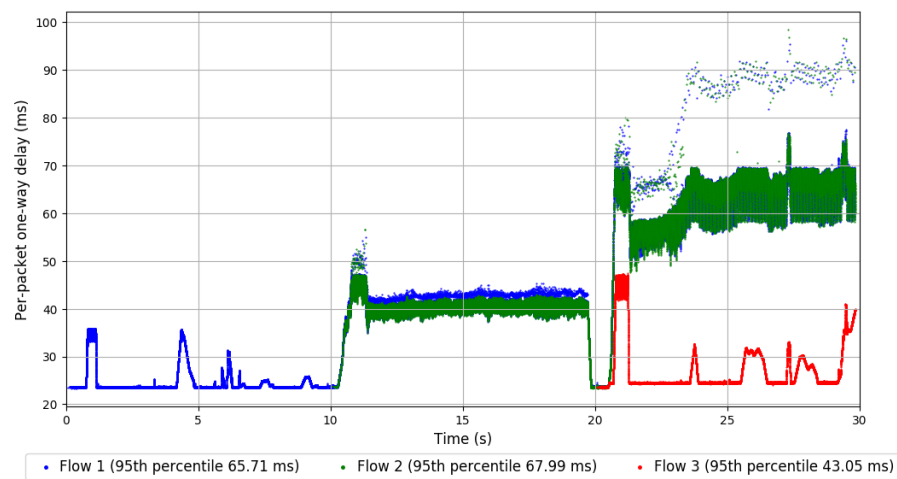
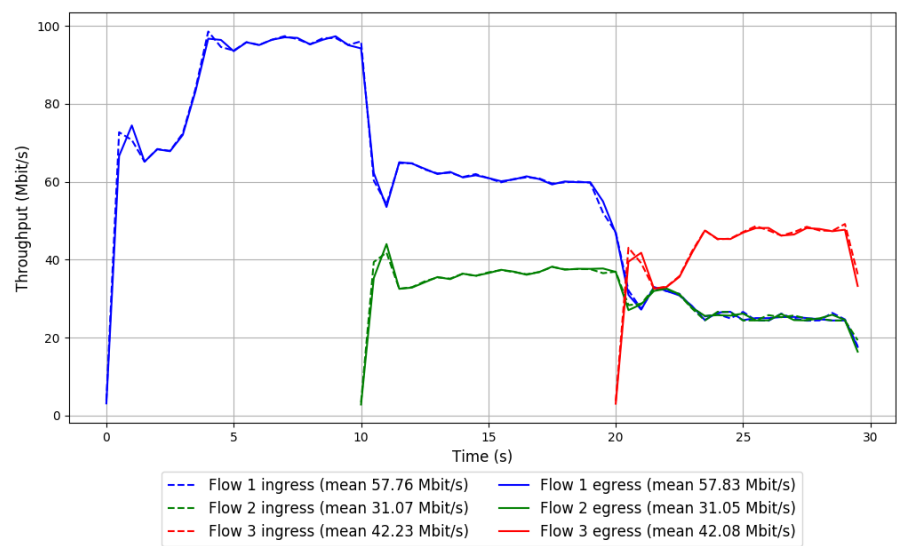
-- Flow 3:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 43.051 ms

Loss rate: 0.89%

Run 2: Report of PCC — Data Link

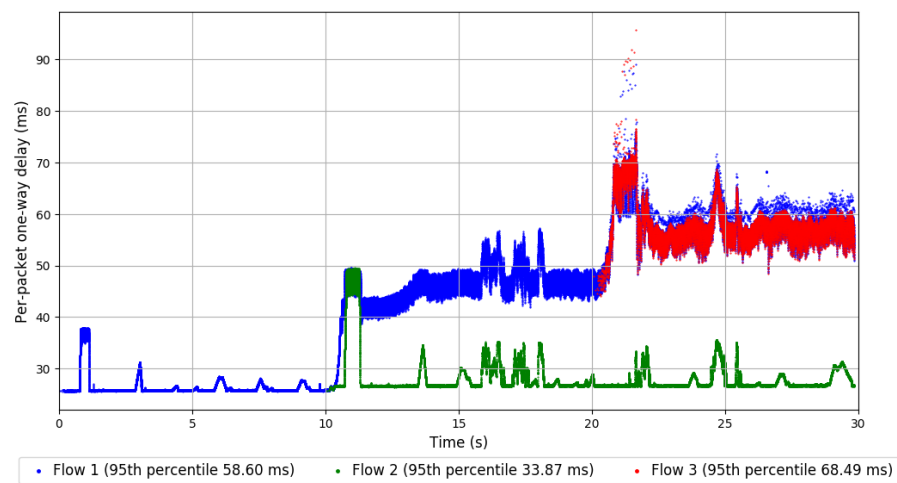
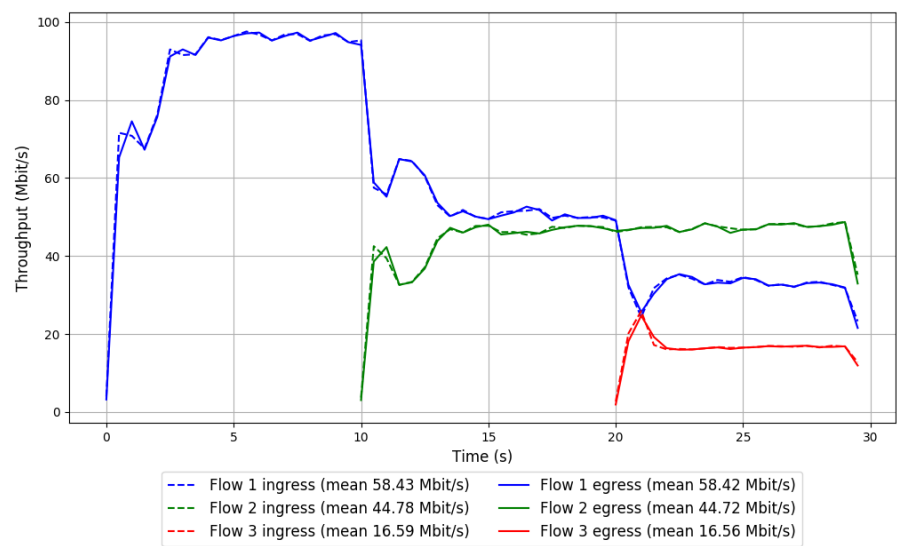


Run 3: Statistics of PCC

Start at: 2018-02-02 22:57:29
End at: 2018-02-02 22:57:59
Local clock offset: 0.97 ms
Remote clock offset: -3.631 ms

Below is generated by plot.py at 2018-02-03 06:42:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 58.513 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 58.42 Mbit/s
95th percentile per-packet one-way delay: 58.603 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 33.872 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 68.487 ms
Loss rate: 0.97%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-02 23:22:06

End at: 2018-02-02 23:22:36

Local clock offset: 1.112 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-02-03 06:42:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.04 Mbit/s

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

Loss rate: 0.31%

-- Flow 1:

Average throughput: 52.90 Mbit/s

95th percentile per-packet one-way delay: 56.785 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 38.38 Mbit/s

95th percentile per-packet one-way delay: 57.767 ms

Loss rate: 0.39%

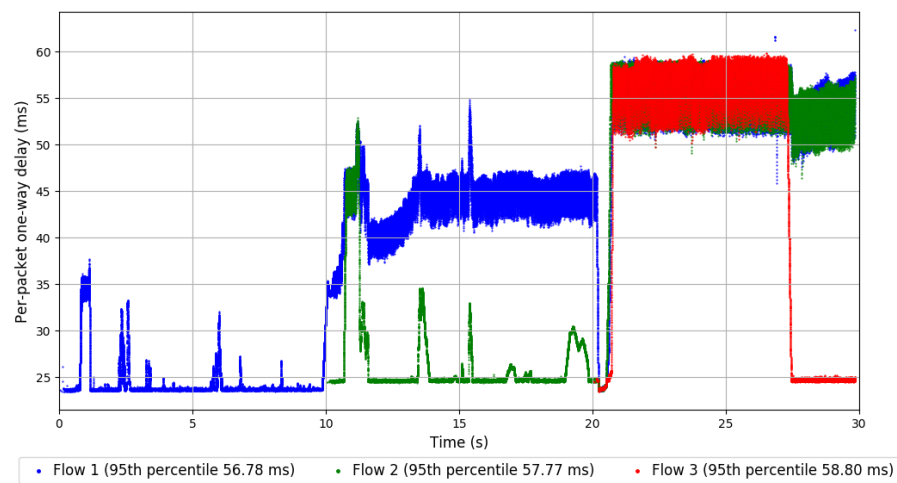
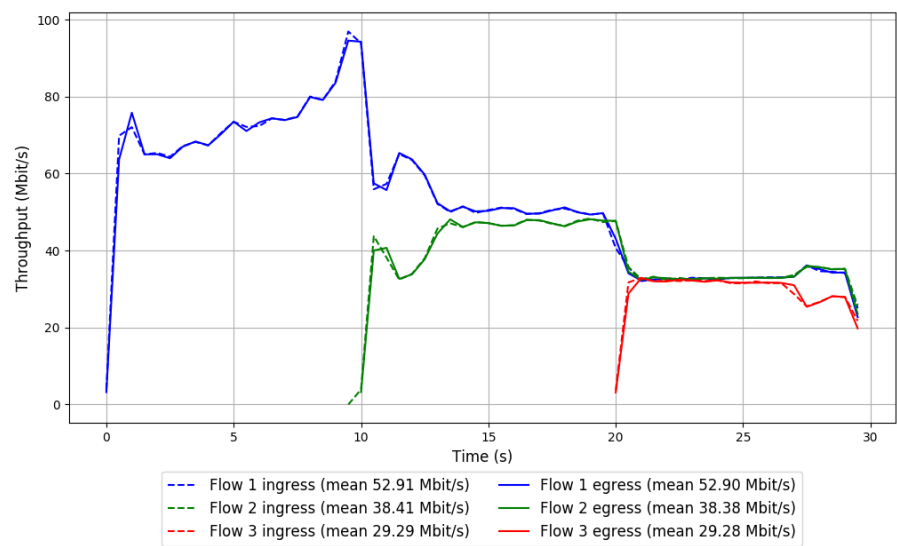
-- Flow 3:

Average throughput: 29.28 Mbit/s

95th percentile per-packet one-way delay: 58.795 ms

Loss rate: 0.58%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-02 23:46:43

End at: 2018-02-02 23:47:13

Local clock offset: 1.165 ms

Remote clock offset: 1.458 ms

Below is generated by plot.py at 2018-02-03 06:42:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 55.856 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 62.14 Mbit/s

95th percentile per-packet one-way delay: 46.493 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 35.27 Mbit/s

95th percentile per-packet one-way delay: 60.607 ms

Loss rate: 0.61%

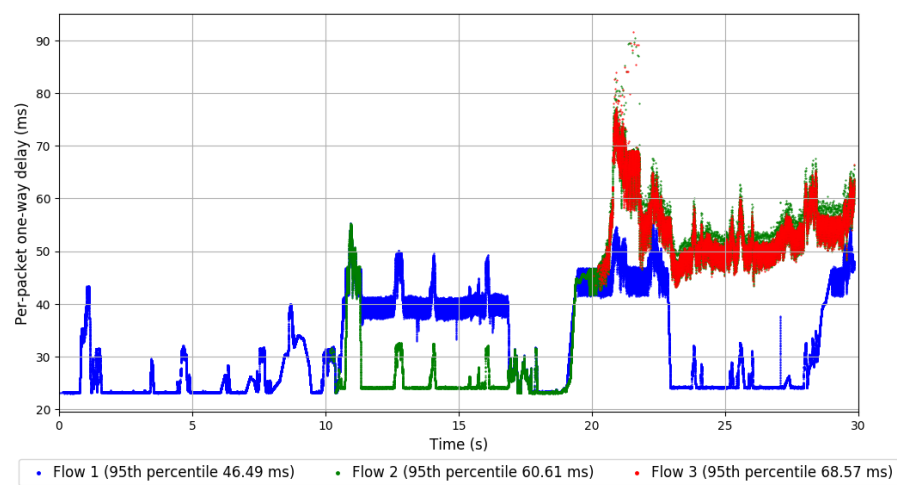
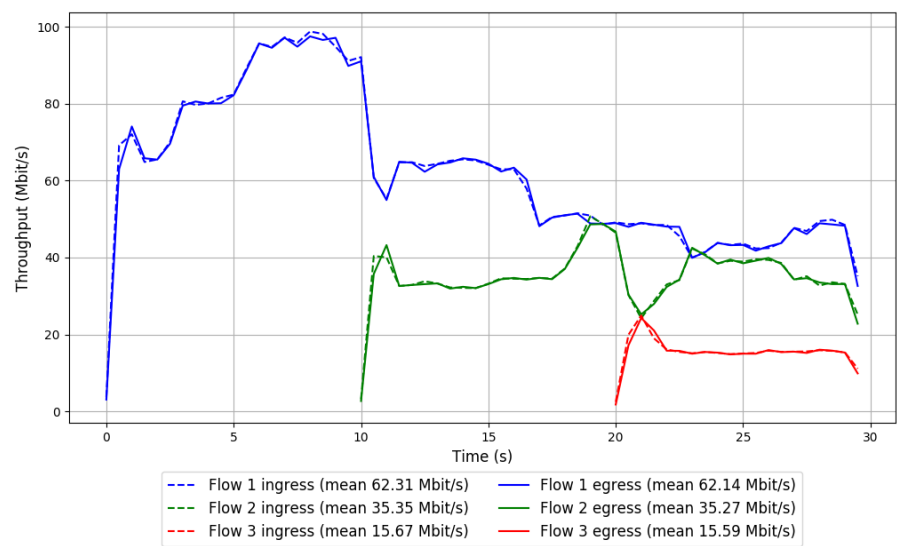
-- Flow 3:

Average throughput: 15.59 Mbit/s

95th percentile per-packet one-way delay: 68.568 ms

Loss rate: 1.23%

Run 5: Report of PCC — Data Link

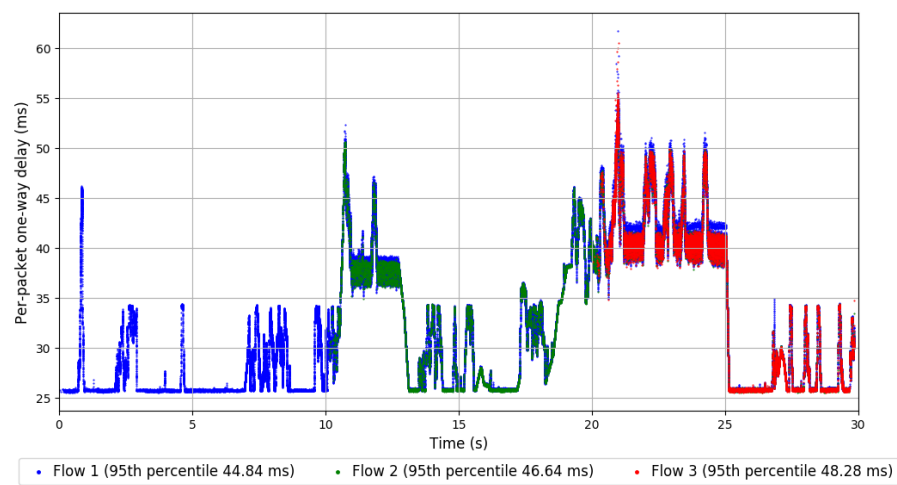
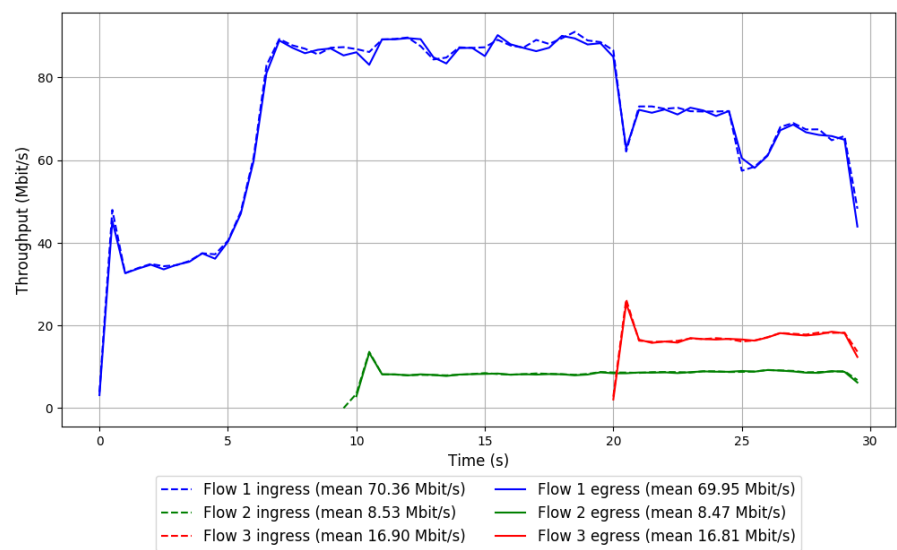


Run 6: Statistics of PCC

Start at: 2018-02-03 00:12:11
End at: 2018-02-03 00:12:41
Local clock offset: 1.038 ms
Remote clock offset: -1.044 ms

Below is generated by plot.py at 2018-02-03 06:42:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.09 Mbit/s
95th percentile per-packet one-way delay: 45.422 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 69.95 Mbit/s
95th percentile per-packet one-way delay: 44.837 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 46.639 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 48.282 ms
Loss rate: 1.20%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-03 00:37:02

End at: 2018-02-03 00:37:32

Local clock offset: 0.729 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-02-03 06:42:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.58 Mbit/s

95th percentile per-packet one-way delay: 51.295 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 52.146 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 40.91 Mbit/s

95th percentile per-packet one-way delay: 45.186 ms

Loss rate: 0.53%

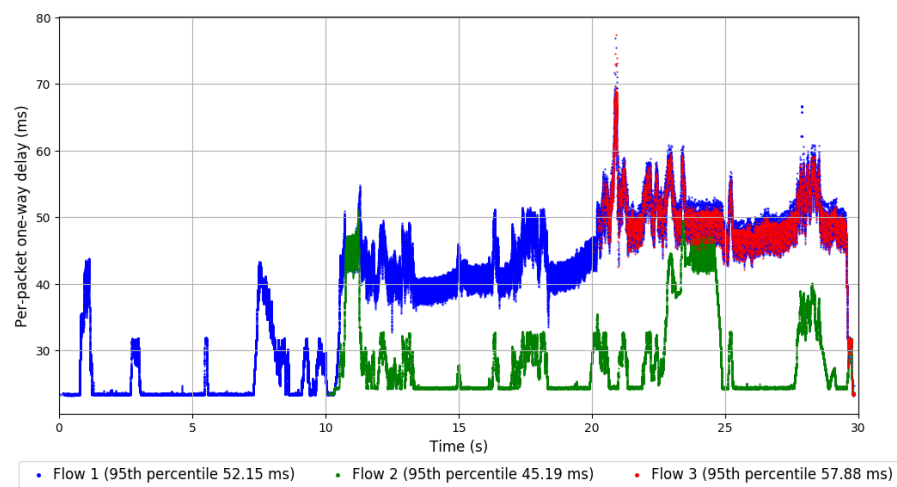
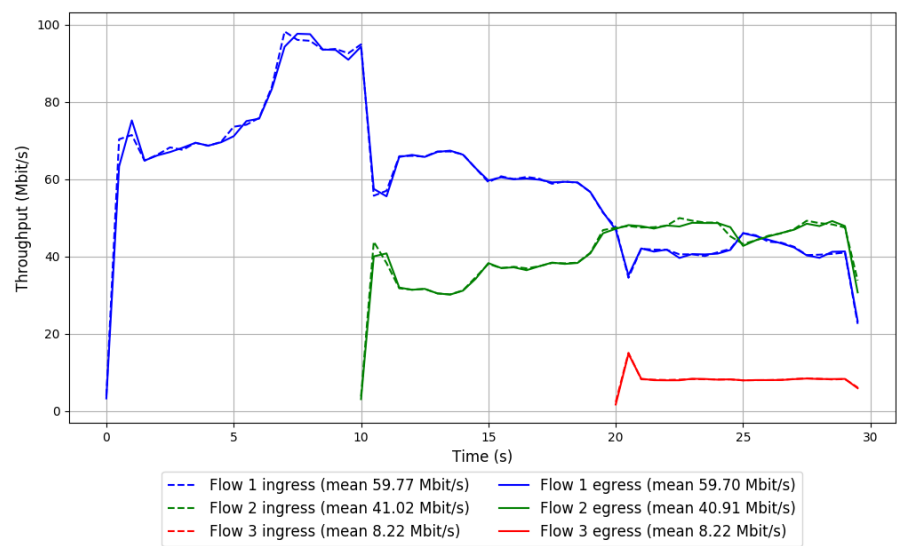
-- Flow 3:

Average throughput: 8.22 Mbit/s

95th percentile per-packet one-way delay: 57.885 ms

Loss rate: 0.78%

Run 7: Report of PCC — Data Link

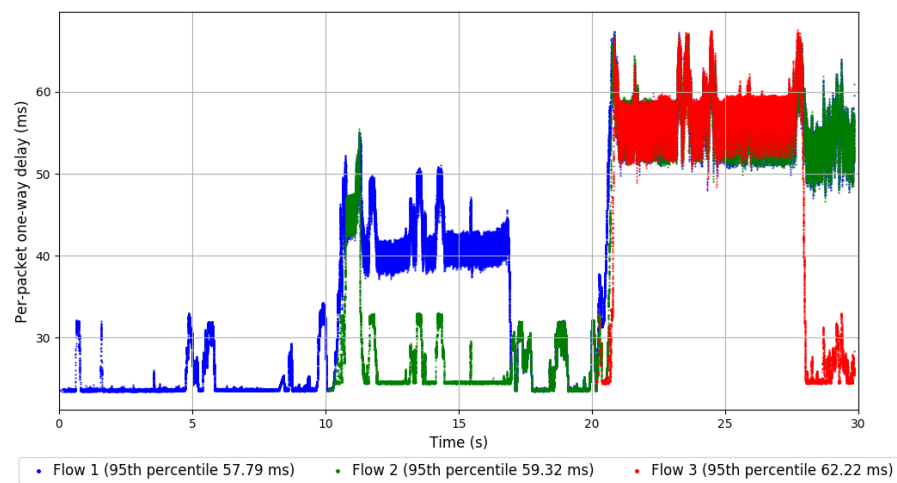
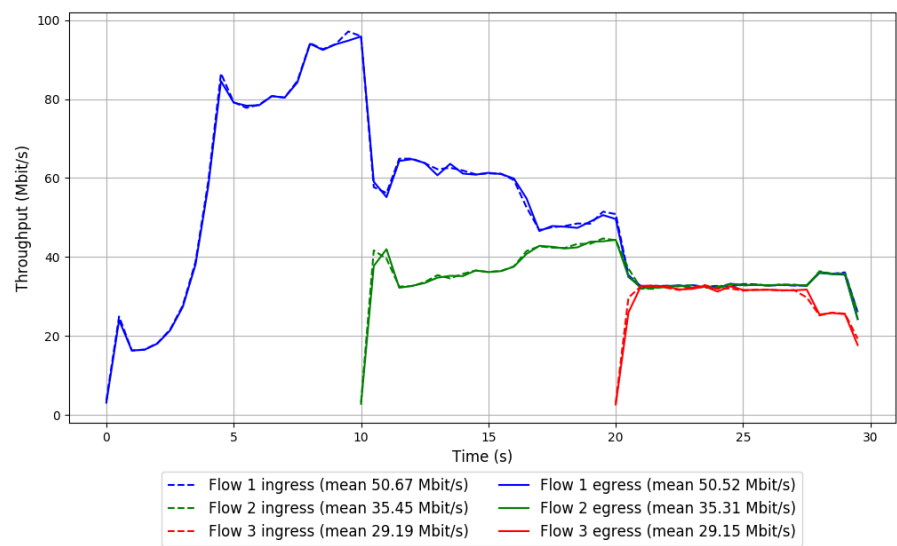


Run 8: Statistics of PCC

Start at: 2018-02-03 01:01:44
End at: 2018-02-03 01:02:14
Local clock offset: 0.959 ms
Remote clock offset: -1.649 ms

Below is generated by plot.py at 2018-02-03 06:42:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.57 Mbit/s
95th percentile per-packet one-way delay: 58.956 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 50.52 Mbit/s
95th percentile per-packet one-way delay: 57.794 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 59.320 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 62.218 ms
Loss rate: 0.73%

Run 8: Report of PCC — Data Link

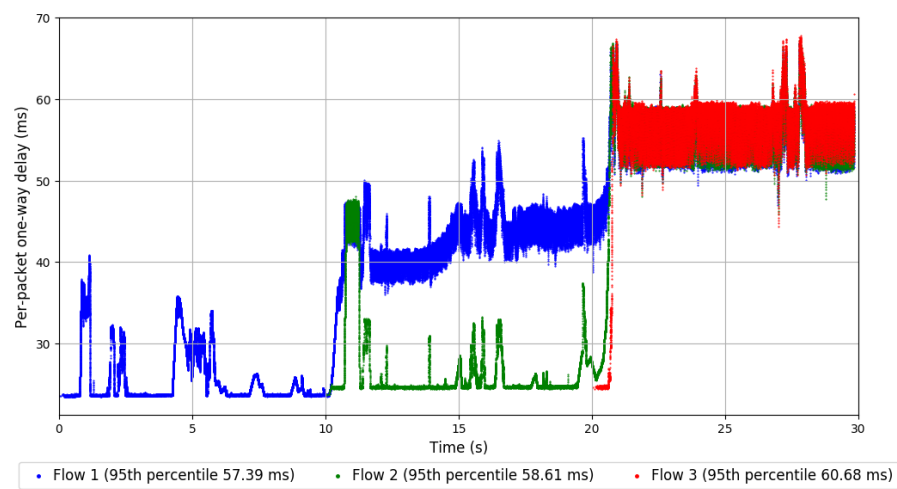
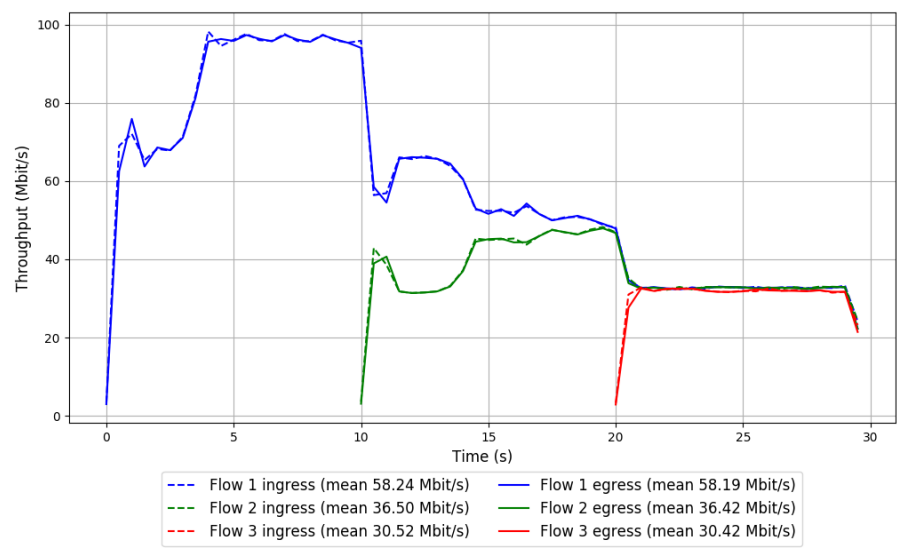


Run 9: Statistics of PCC

Start at: 2018-02-03 01:26:49
End at: 2018-02-03 01:27:19
Local clock offset: 1.158 ms
Remote clock offset: -1.833 ms

Below is generated by plot.py at 2018-02-03 06:43:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 58.507 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 57.386 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 58.607 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 60.684 ms
Loss rate: 0.97%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-03 01:51:33

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

Local clock offset: 0.931 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-02-03 06:43:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.75 Mbit/s

95th percentile per-packet one-way delay: 51.565 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 59.34 Mbit/s

95th percentile per-packet one-way delay: 50.102 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 53.833 ms

Loss rate: 0.40%

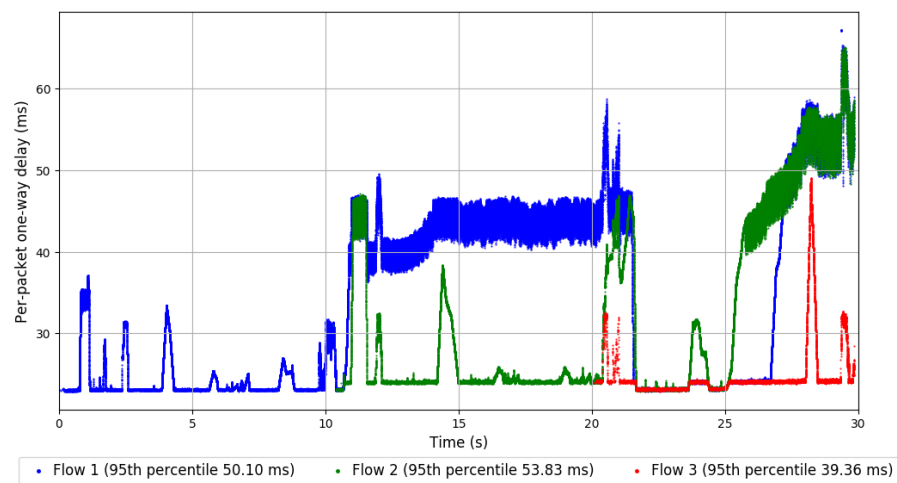
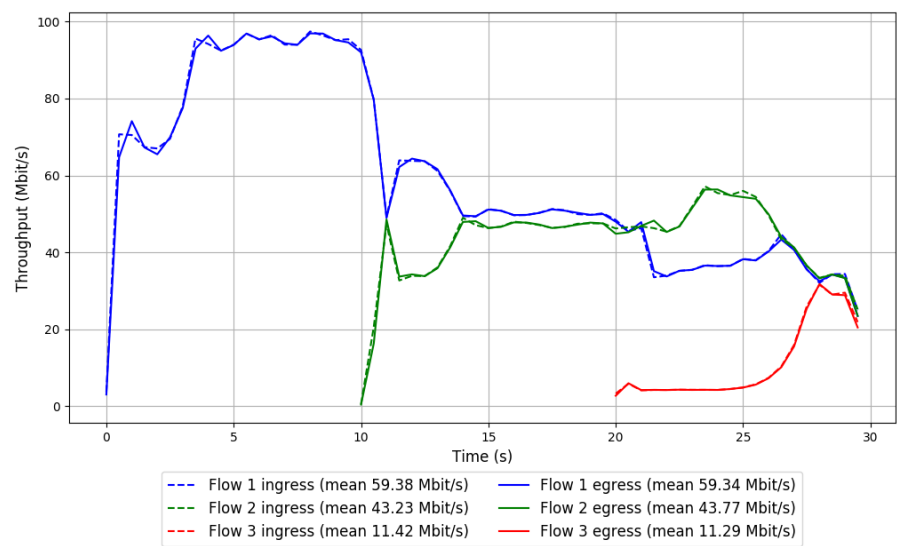
-- Flow 3:

Average throughput: 11.29 Mbit/s

95th percentile per-packet one-way delay: 39.357 ms

Loss rate: 1.61%

Run 10: Report of PCC — Data Link

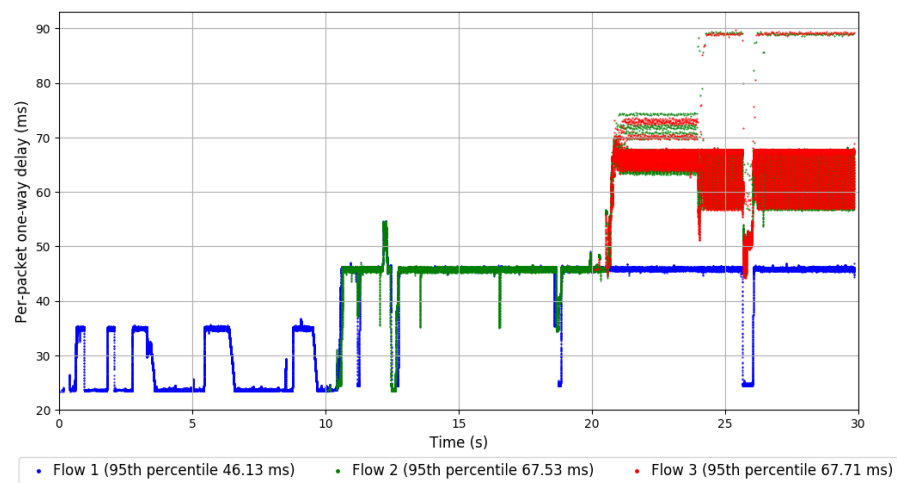
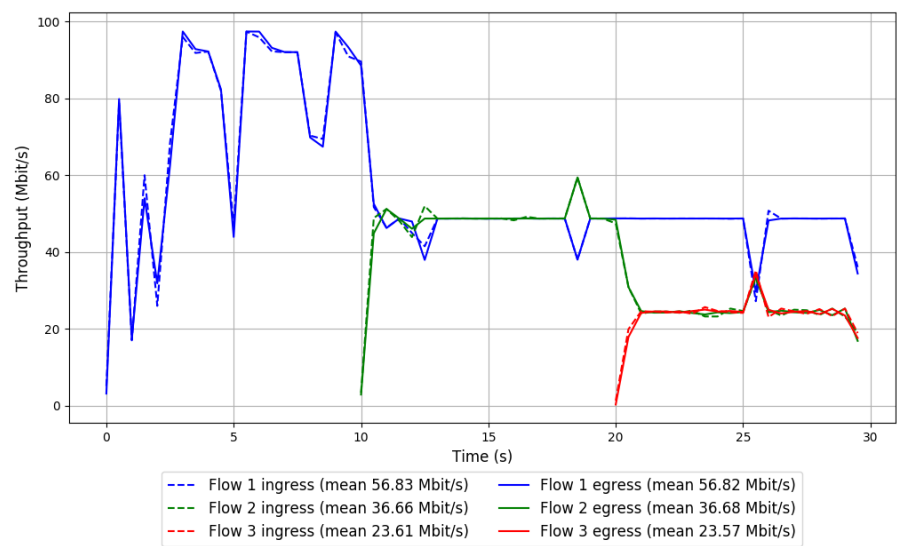


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-02 22:27:14
End at: 2018-02-02 22:27:44
Local clock offset: 0.978 ms
Remote clock offset: -3.526 ms

Below is generated by plot.py at 2018-02-03 06:43:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.89 Mbit/s
95th percentile per-packet one-way delay: 67.367 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 46.126 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 67.526 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 67.712 ms
Loss rate: 1.14%

Run 1: Report of QUIC Cubic — Data Link

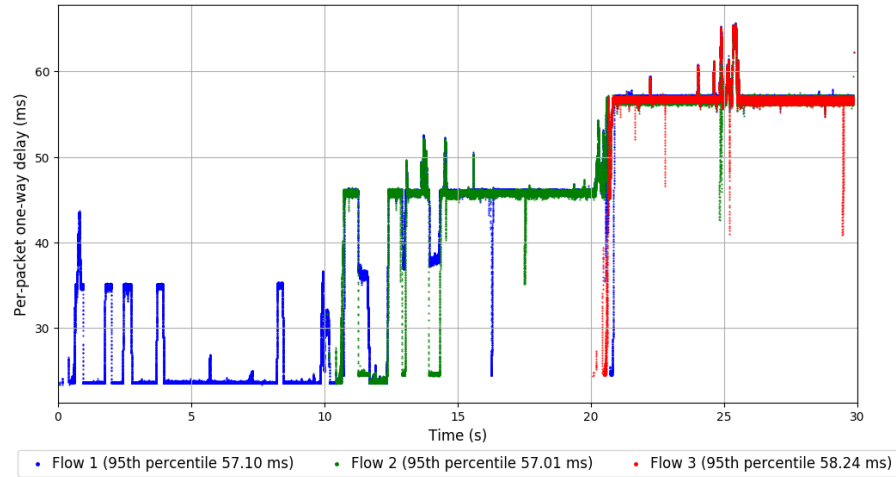
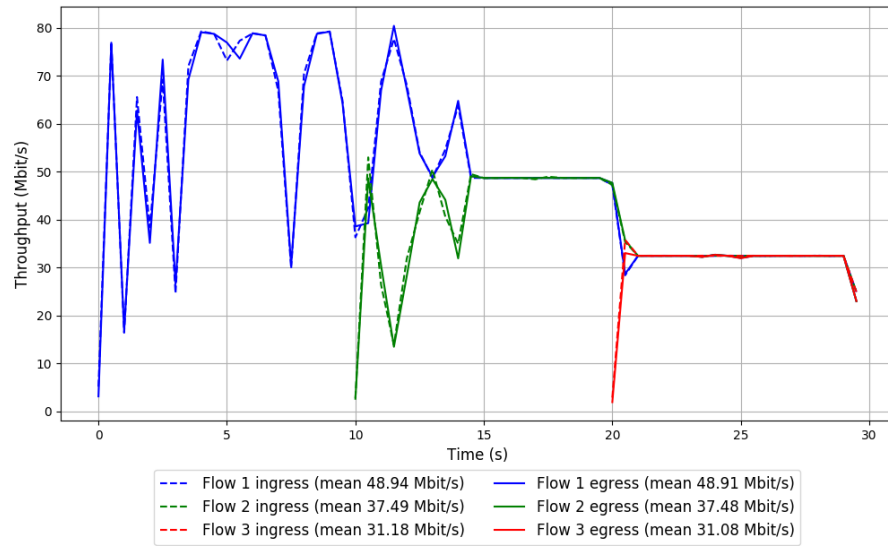


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-02 22:51:56
End at: 2018-02-02 22:52:26
Local clock offset: 1.081 ms
Remote clock offset: -1.914 ms

Below is generated by plot.py at 2018-02-03 06:43:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 57.092 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 48.91 Mbit/s
95th percentile per-packet one-way delay: 57.101 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 57.014 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 58.239 ms
Loss rate: 0.99%

Run 2: Report of QUIC Cubic — Data Link

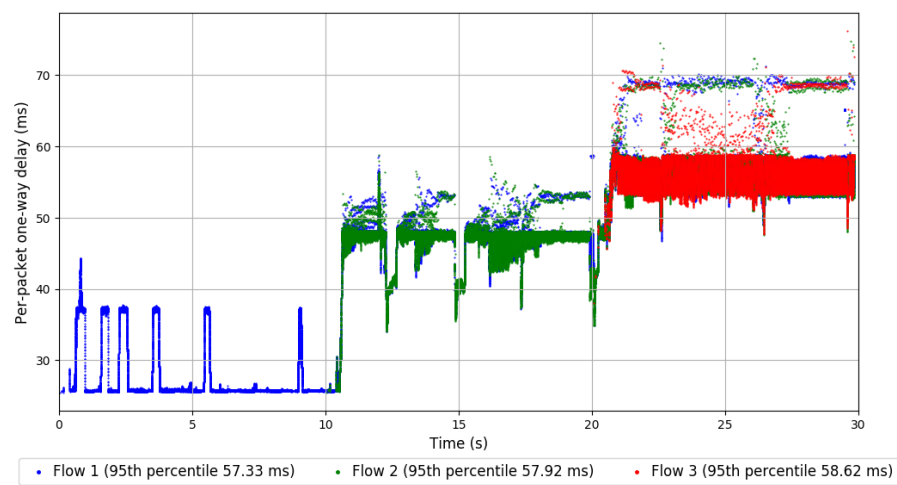
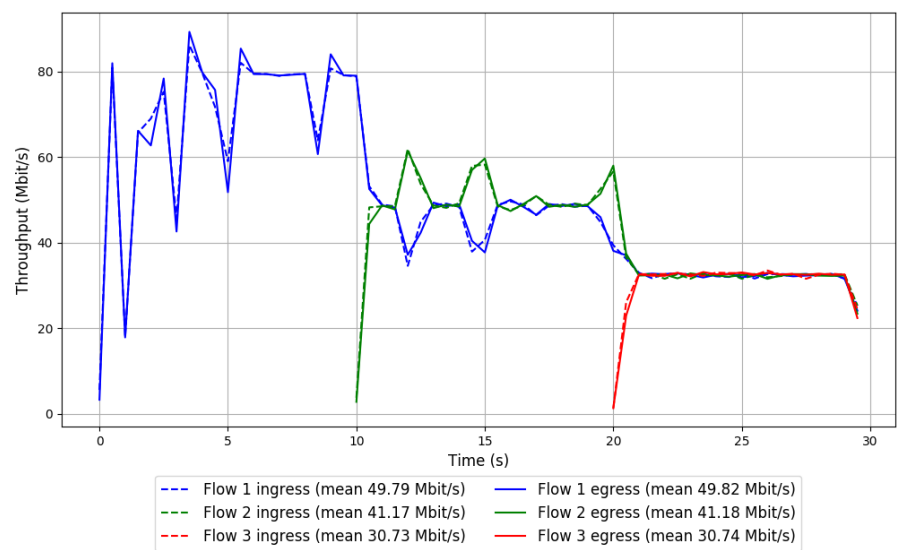


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-02 23:16:35
End at: 2018-02-02 23:17:05
Local clock offset: 1.02 ms
Remote clock offset: -2.677 ms

Below is generated by plot.py at 2018-02-03 06:43:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 57.953 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 57.325 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 57.921 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 58.617 ms
Loss rate: 0.88%

Run 3: Report of QUIC Cubic — Data Link

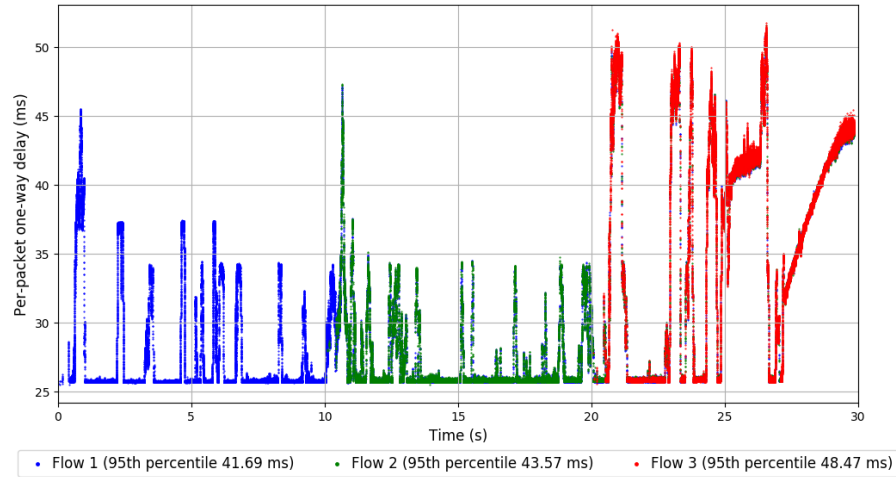
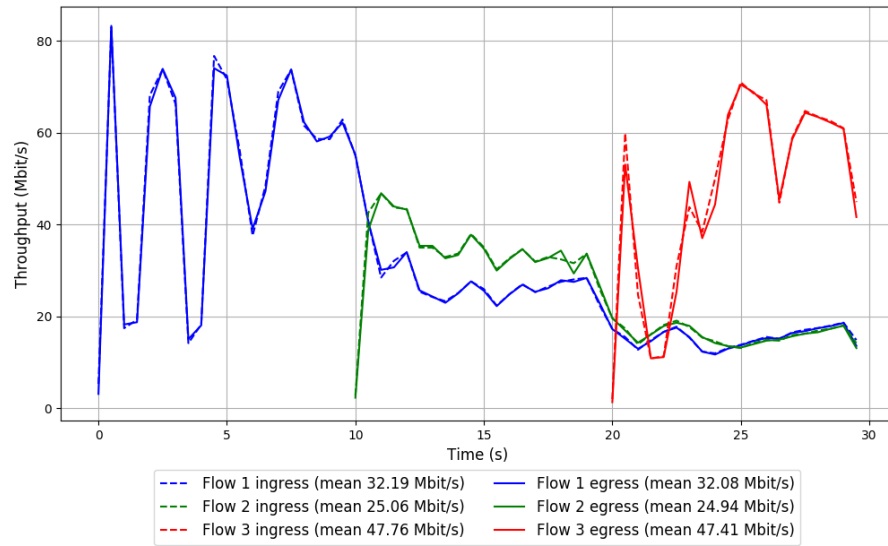


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-02 23:41:09
End at: 2018-02-02 23:41:39
Local clock offset: 1.158 ms
Remote clock offset: -1.248 ms

Below is generated by plot.py at 2018-02-03 06:43:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 45.321 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 41.689 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 43.567 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 47.41 Mbit/s
95th percentile per-packet one-way delay: 48.466 ms
Loss rate: 1.37%

Run 4: Report of QUIC Cubic — Data Link

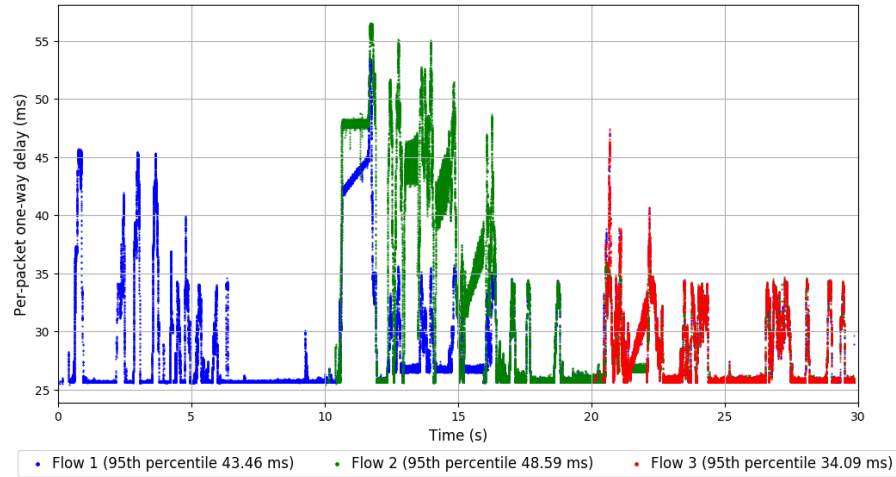
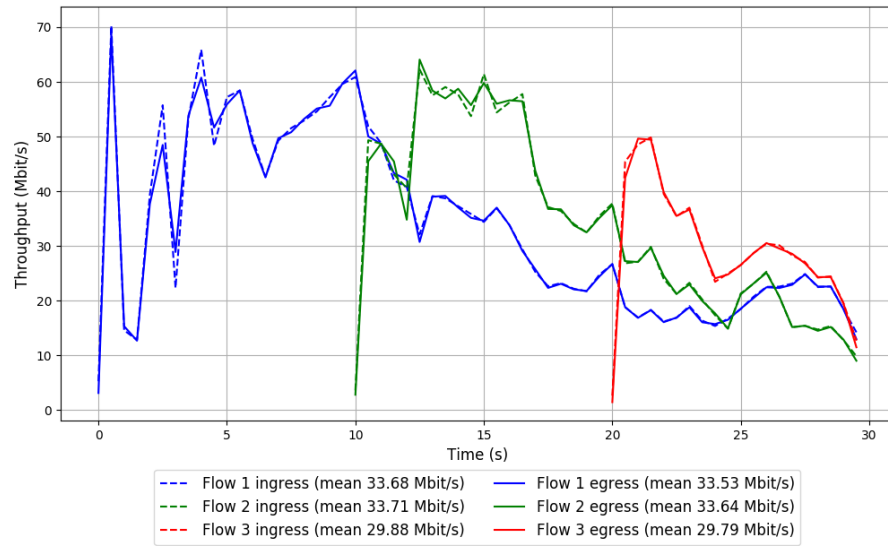


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-03 00:06:17
End at: 2018-02-03 00:06:47
Local clock offset: 1.162 ms
Remote clock offset: -0.851 ms

Below is generated by plot.py at 2018-02-03 06:43:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.66 Mbit/s
95th percentile per-packet one-way delay: 47.026 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 43.463 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 48.590 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 34.085 ms
Loss rate: 0.85%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-02-03 00:31:29

End at: 2018-02-03 00:31:59

Local clock offset: 0.84 ms

Remote clock offset: 0.901 ms

Below is generated by plot.py at 2018-02-03 06:43:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.99 Mbit/s

95th percentile per-packet one-way delay: 45.073 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 35.90 Mbit/s

95th percentile per-packet one-way delay: 40.531 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 32.81 Mbit/s

95th percentile per-packet one-way delay: 48.094 ms

Loss rate: 0.51%

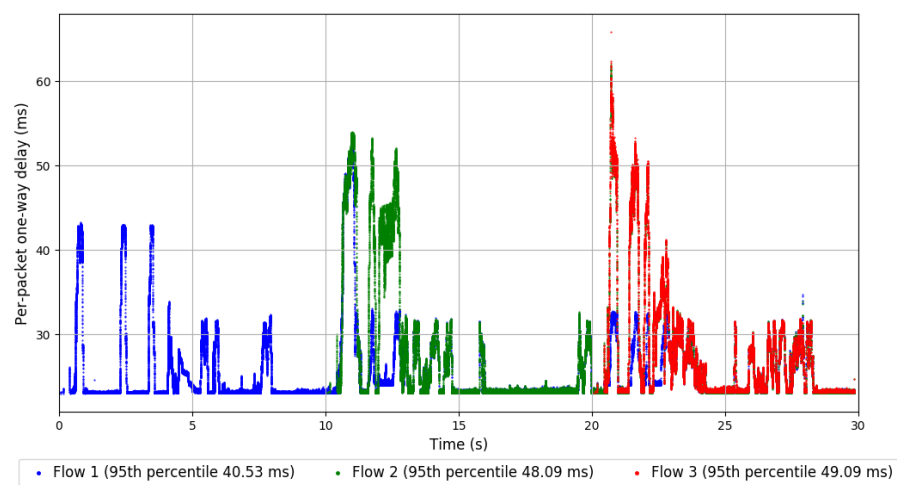
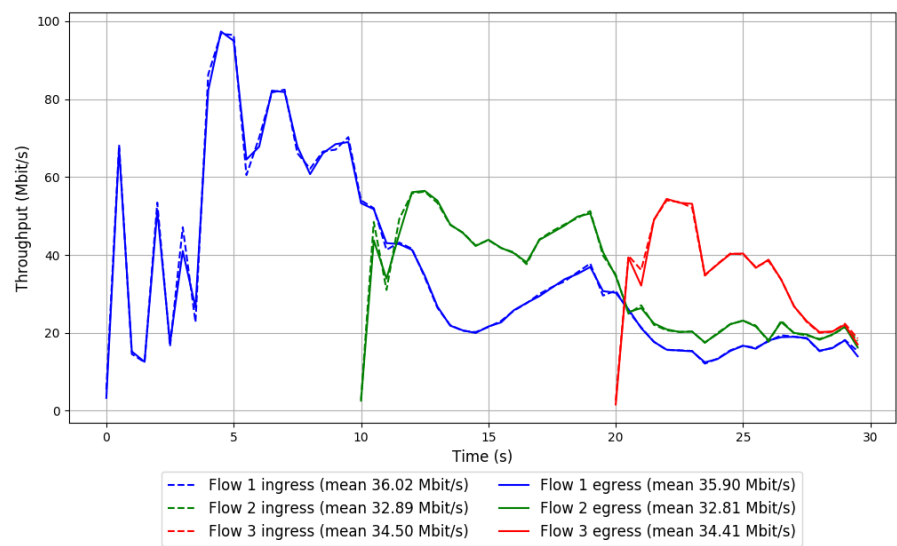
-- Flow 3:

Average throughput: 34.41 Mbit/s

95th percentile per-packet one-way delay: 49.093 ms

Loss rate: 0.80%

Run 6: Report of QUIC Cubic — Data Link

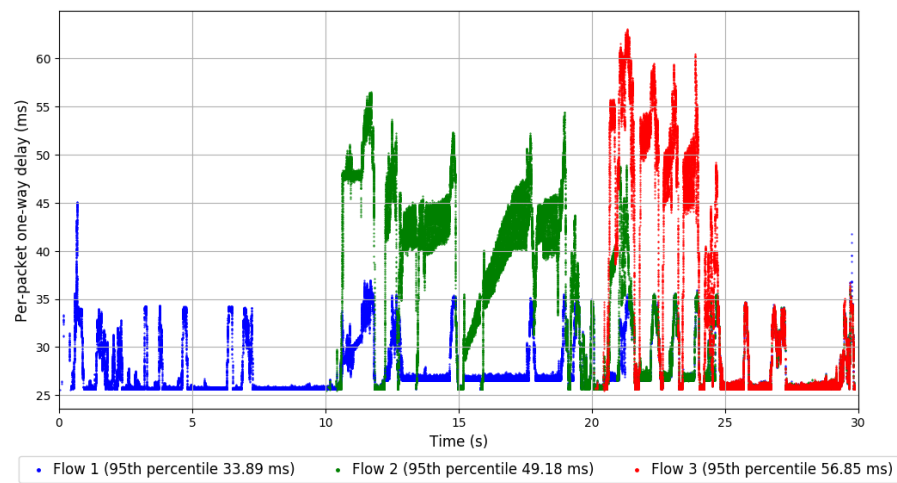
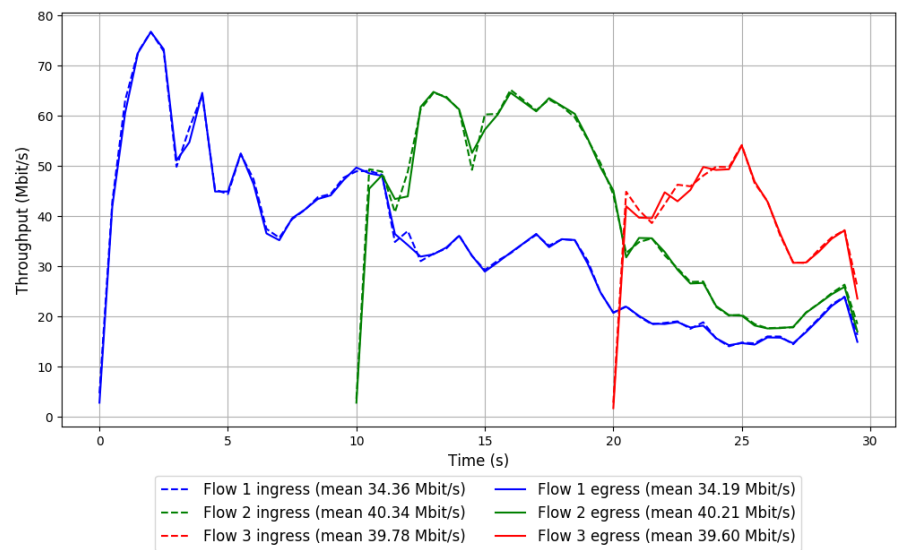


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-03 00:56:14
End at: 2018-02-03 00:56:44
Local clock offset: 0.917 ms
Remote clock offset: -3.392 ms

Below is generated by plot.py at 2018-02-03 06:44:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.91 Mbit/s
95th percentile per-packet one-way delay: 49.775 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 33.888 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 49.177 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 56.846 ms
Loss rate: 1.02%

Run 7: Report of QUIC Cubic — Data Link

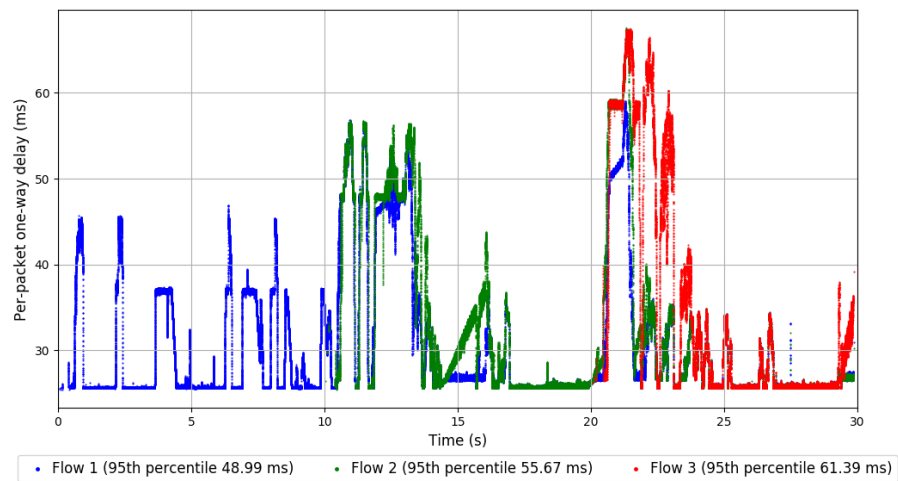
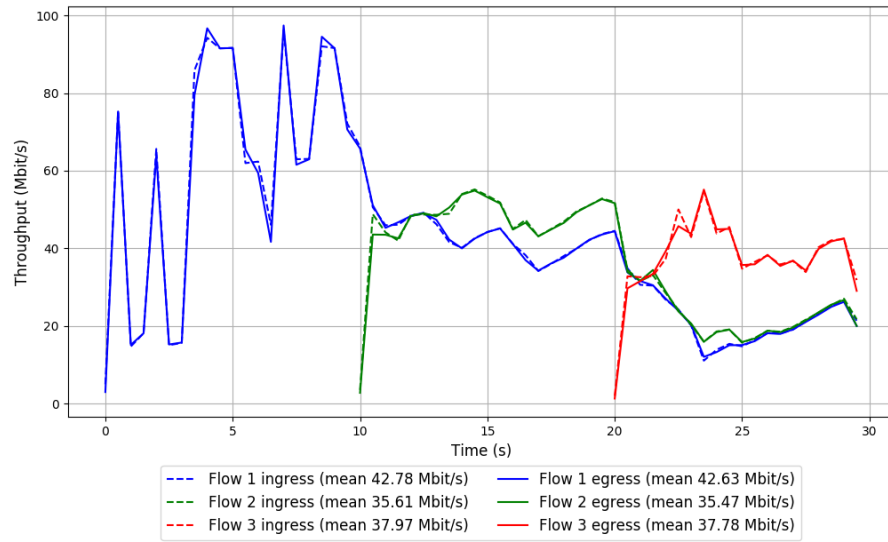


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-03 01:21:14
End at: 2018-02-03 01:21:44
Local clock offset: 1.042 ms
Remote clock offset: -4.036 ms

Below is generated by plot.py at 2018-02-03 06:44:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 54.578 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 48.992 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 55.674 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 61.389 ms
Loss rate: 1.01%

Run 8: Report of QUIC Cubic — Data Link

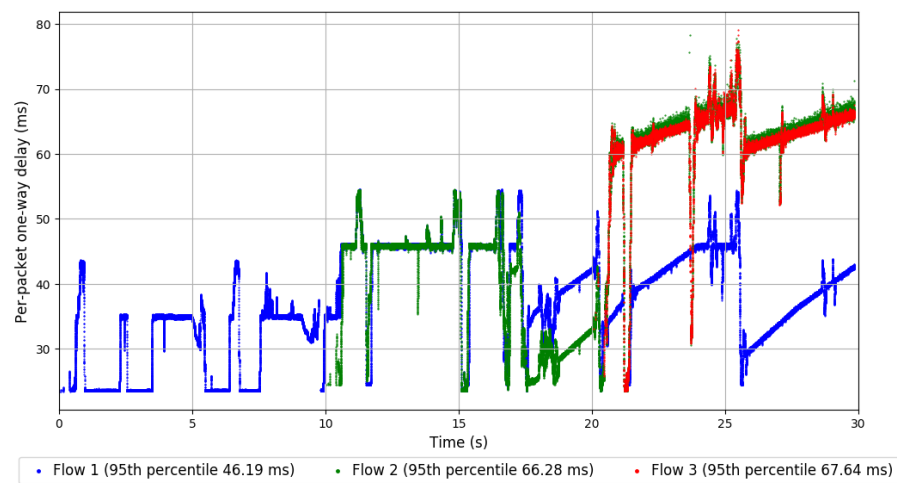
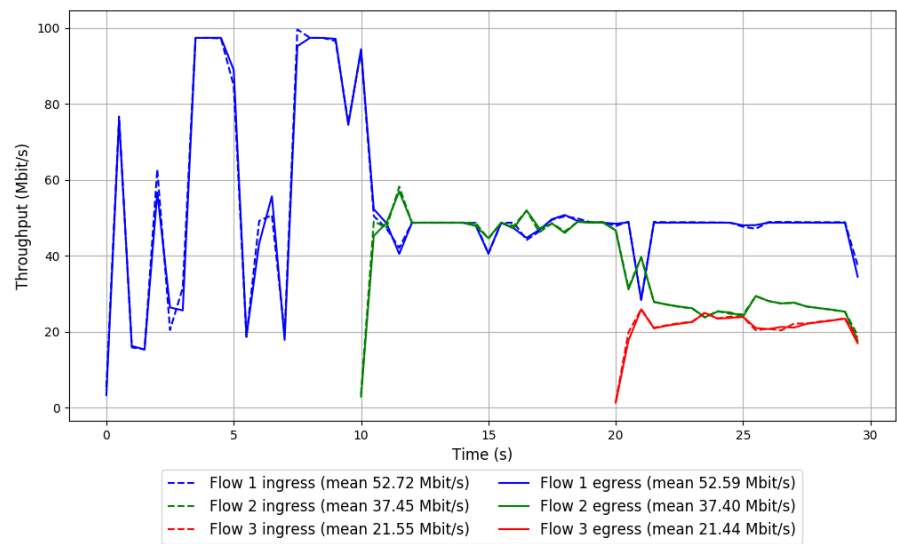


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-03 01:45:58
End at: 2018-02-03 01:46:28
Local clock offset: 0.913 ms
Remote clock offset: -0.611 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 65.043 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 46.191 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 66.284 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 67.636 ms
Loss rate: 1.13%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-03 02:10:56

End at: 2018-02-03 02:11:26

Local clock offset: 1.052 ms

Remote clock offset: -1.34 ms

Below is generated by plot.py at 2018-02-03 06:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.93 Mbit/s

95th percentile per-packet one-way delay: 69.764 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 45.75 Mbit/s

95th percentile per-packet one-way delay: 69.737 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 35.28 Mbit/s

95th percentile per-packet one-way delay: 70.567 ms

Loss rate: 0.62%

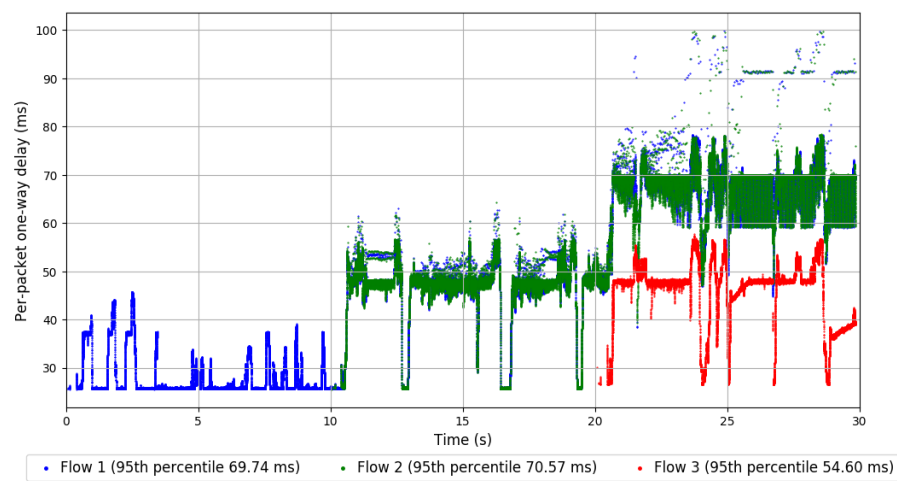
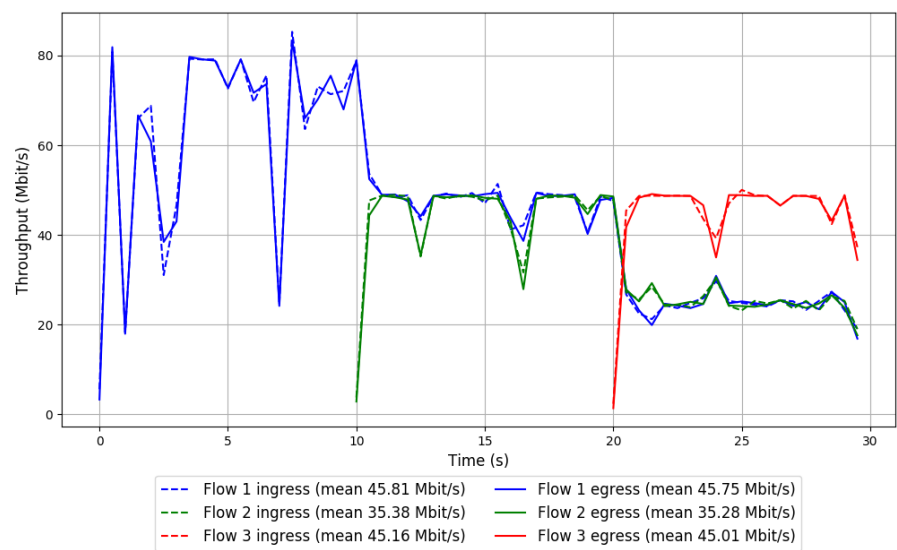
-- Flow 3:

Average throughput: 45.01 Mbit/s

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

Loss rate: 0.93%

Run 10: Report of QUIC Cubic — Data Link

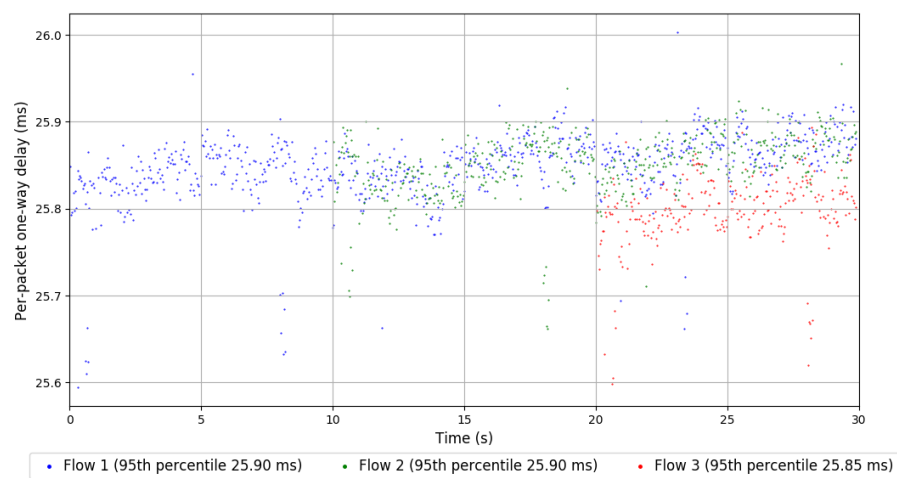
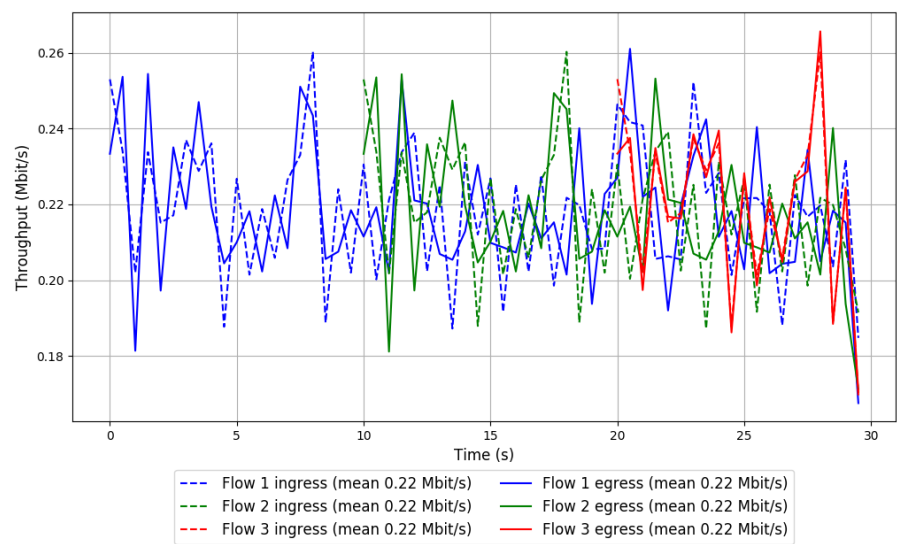


Run 1: Statistics of SReAM

Start at: 2018-02-02 22:12:16
End at: 2018-02-02 22:12:46
Local clock offset: 0.874 ms
Remote clock offset: -6.902 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 25.896 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.899 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.899 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.852 ms
Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

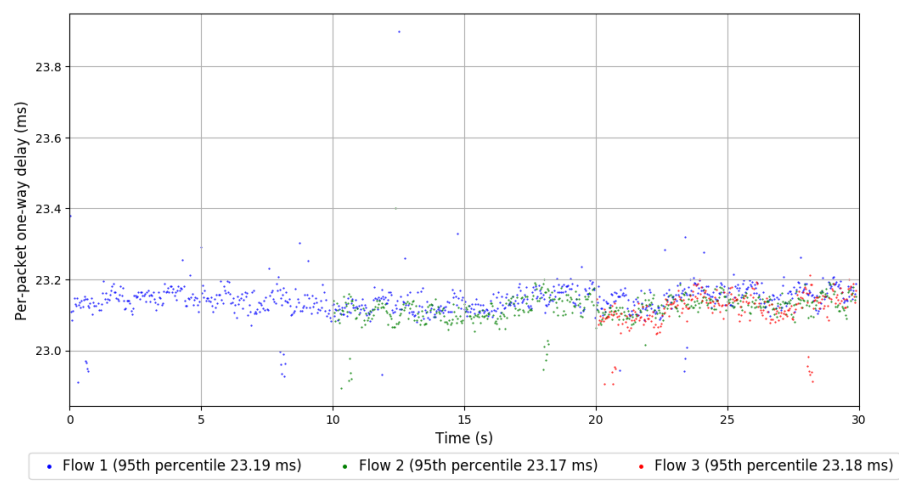
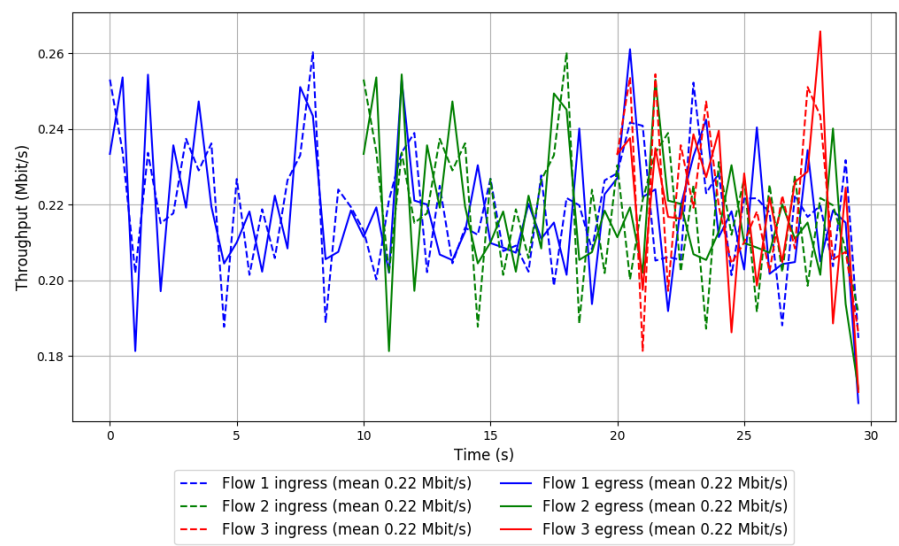


Run 2: Statistics of SReAM

Start at: 2018-02-02 22:36:56
End at: 2018-02-02 22:37:26
Local clock offset: 1.01 ms
Remote clock offset: -2.493 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.186 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.192 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.170 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.179 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

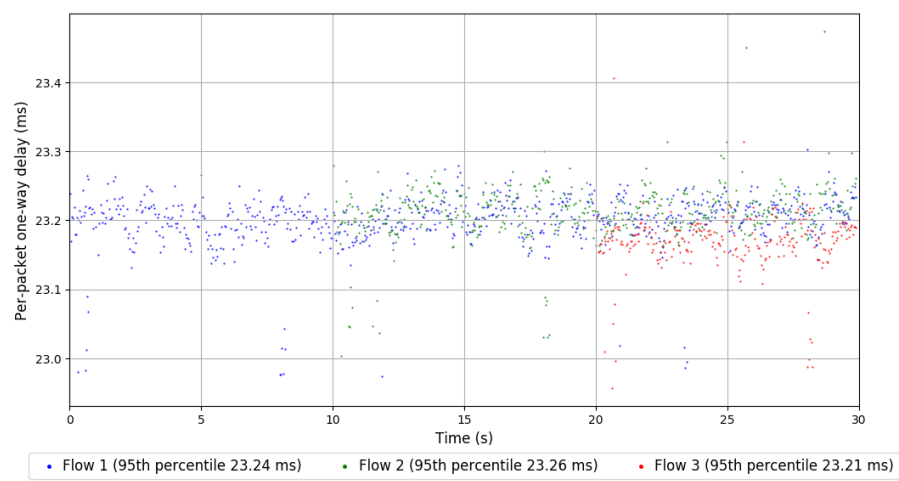
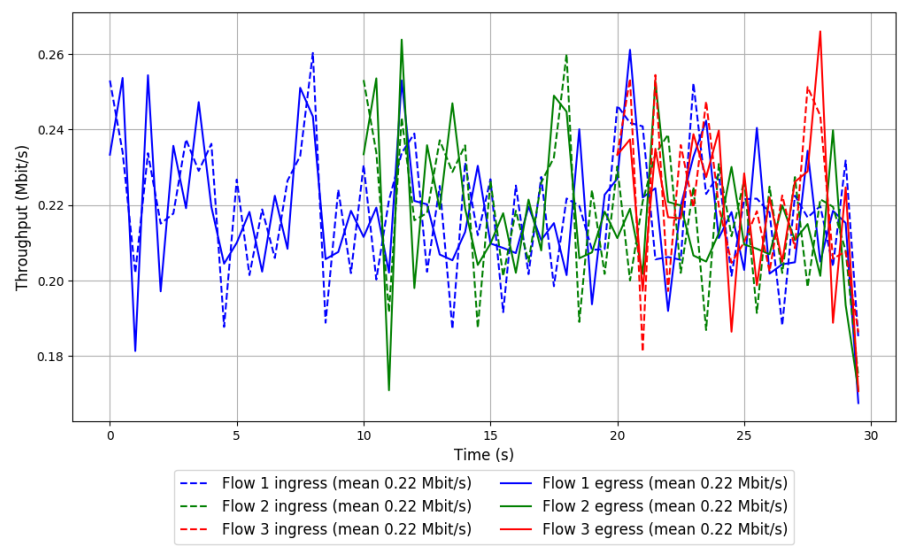


Run 3: Statistics of SReAM

Start at: 2018-02-02 23:01:38
End at: 2018-02-02 23:02:08
Local clock offset: 1.048 ms
Remote clock offset: -0.684 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.250 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.244 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.258 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.213 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

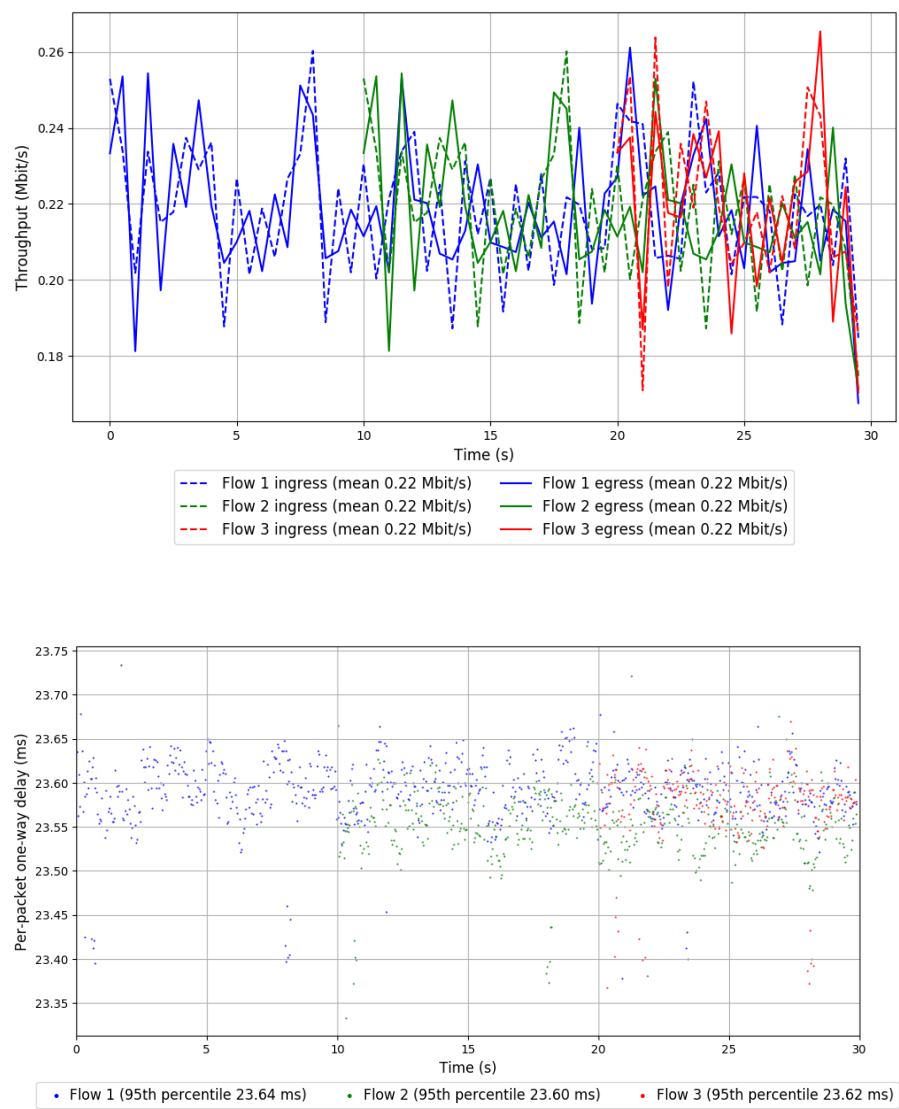


Run 4: Statistics of SReAM

Start at: 2018-02-02 23:26:15
End at: 2018-02-02 23:26:45
Local clock offset: 1.029 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.632 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.639 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.603 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.622 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-02 23:50:54

End at: 2018-02-02 23:51:24

Local clock offset: 1.085 ms

Remote clock offset: -0.98 ms

Below is generated by plot.py at 2018-02-03 06:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 25.724 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 25.706 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.706 ms

Loss rate: 0.40%

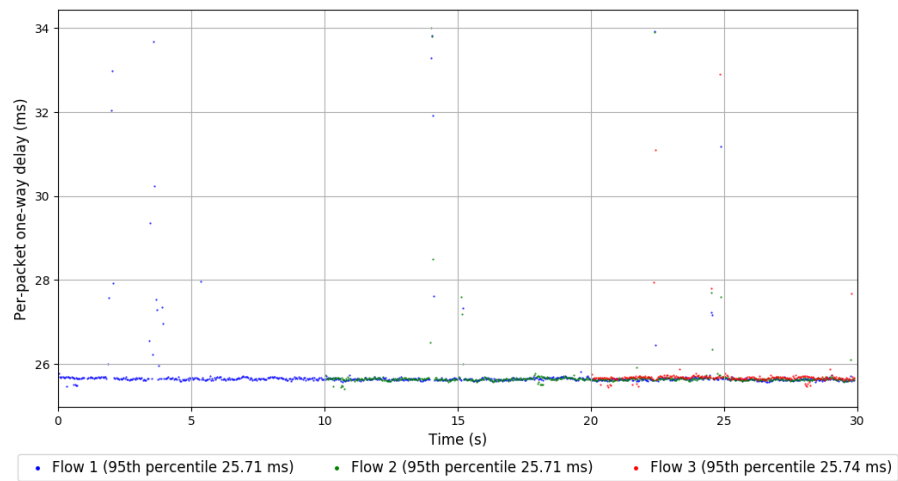
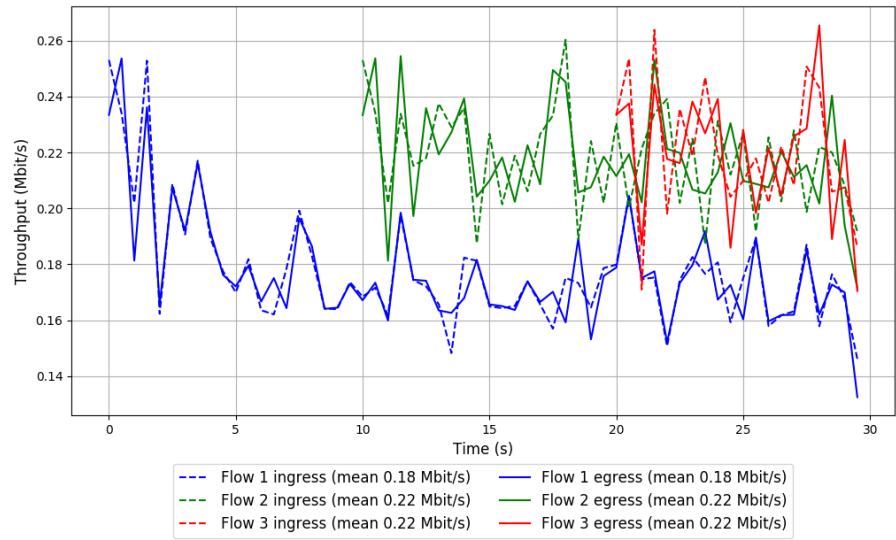
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.738 ms

Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

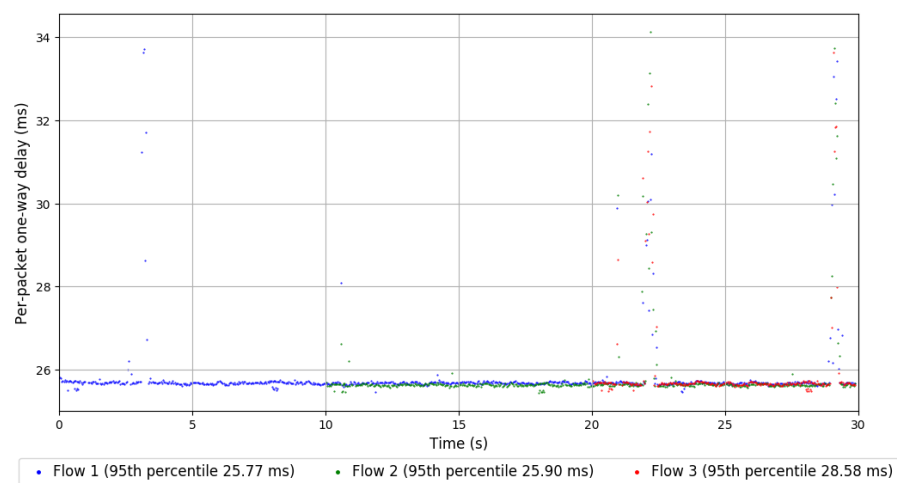
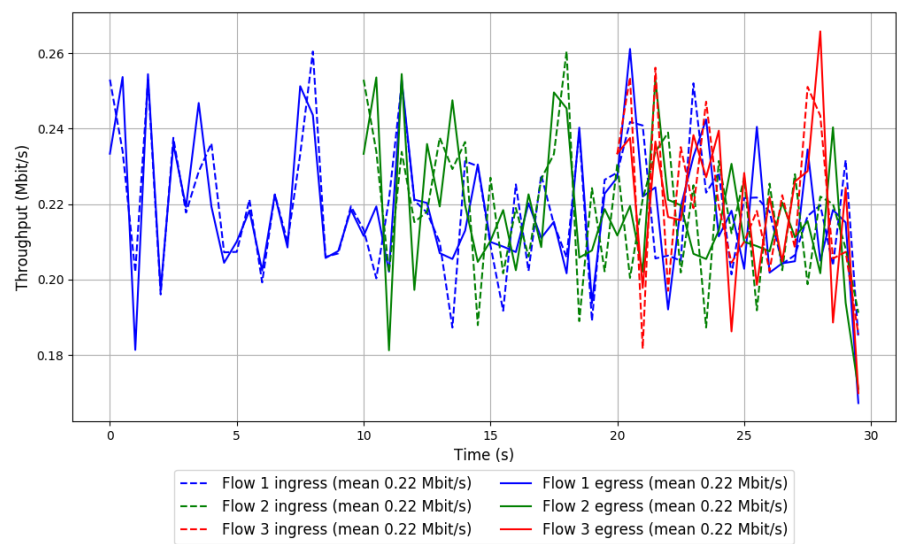


Run 6: Statistics of SReAM

Start at: 2018-02-03 00:16:31
End at: 2018-02-03 00:17:01
Local clock offset: 0.956 ms
Remote clock offset: -0.977 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 25.899 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.769 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.899 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.579 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

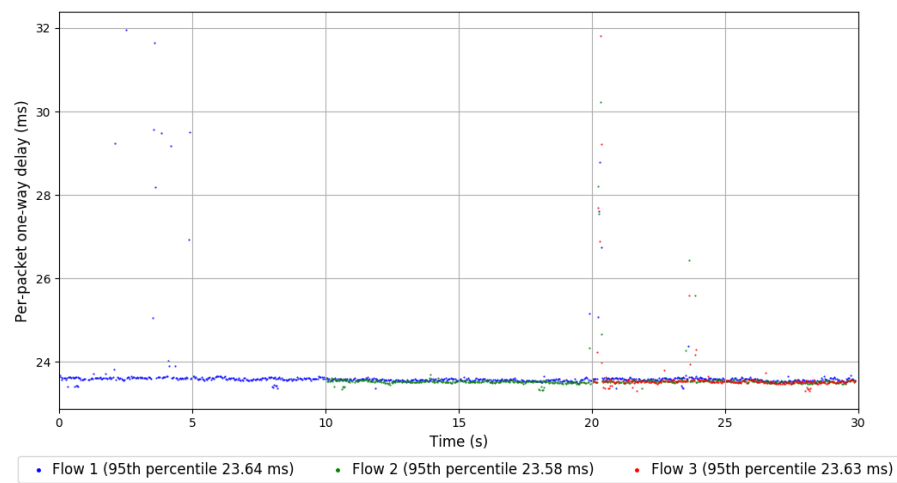
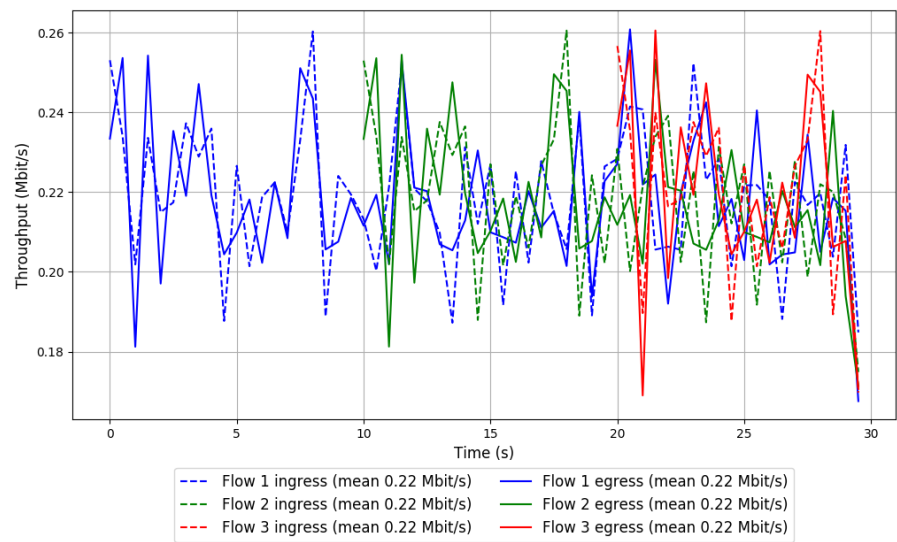


Run 7: Statistics of SReAM

Start at: 2018-02-03 00:41:12
End at: 2018-02-03 00:41:42
Local clock offset: 0.848 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.634 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.643 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.576 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.633 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

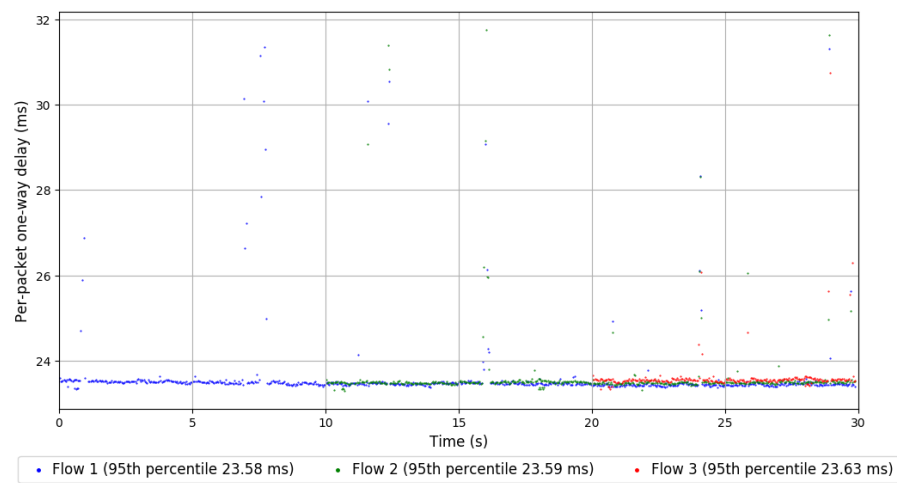
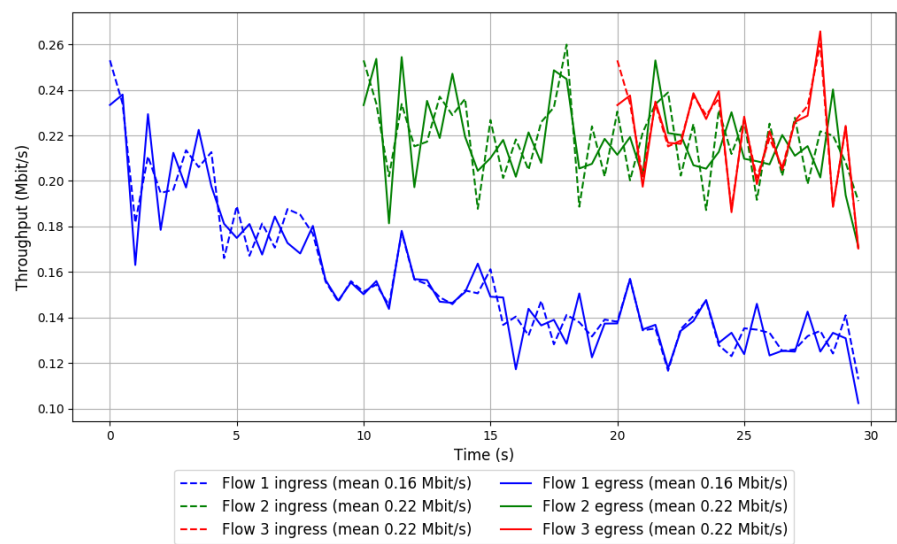


Run 8: Statistics of SReAM

Start at: 2018-02-03 01:06:07
End at: 2018-02-03 01:06:37
Local clock offset: 0.921 ms
Remote clock offset: -1.756 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 23.624 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 23.577 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.587 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.632 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

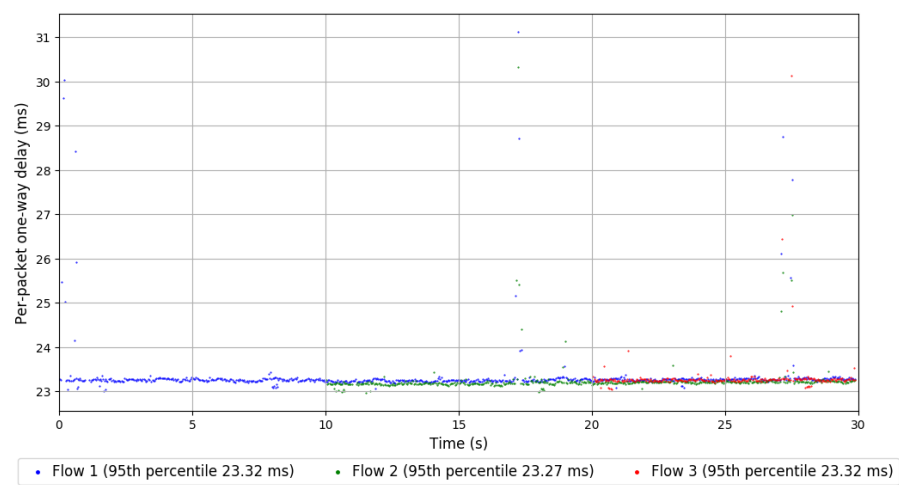
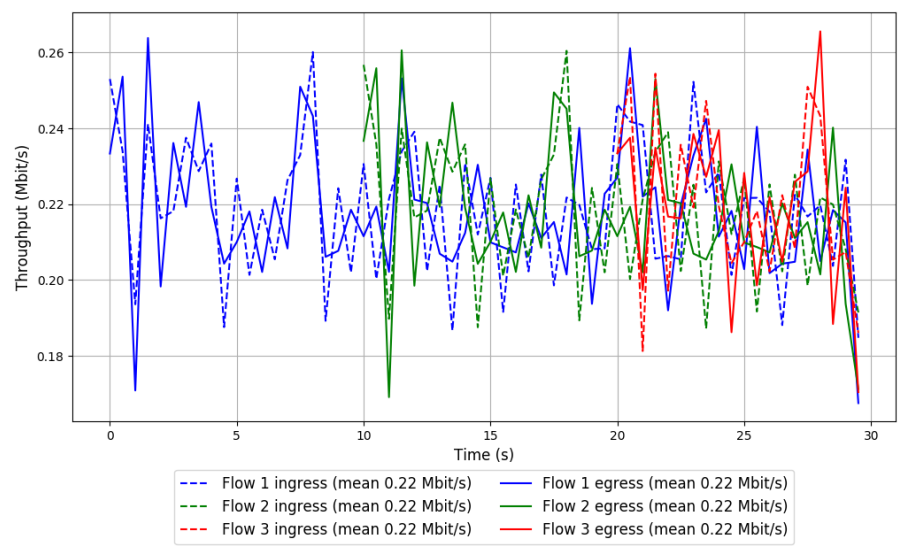


Run 9: Statistics of SReAM

Start at: 2018-02-03 01:30:58
End at: 2018-02-03 01:31:28
Local clock offset: 1.144 ms
Remote clock offset: -1.144 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.317 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.320 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.272 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.325 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-03 01:55:43

End at: 2018-02-03 01:56:13

Local clock offset: 1.023 ms

Remote clock offset: 0.537 ms

Below is generated by plot.py at 2018-02-03 06:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 23.240 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.248 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.205 ms

Loss rate: 0.20%

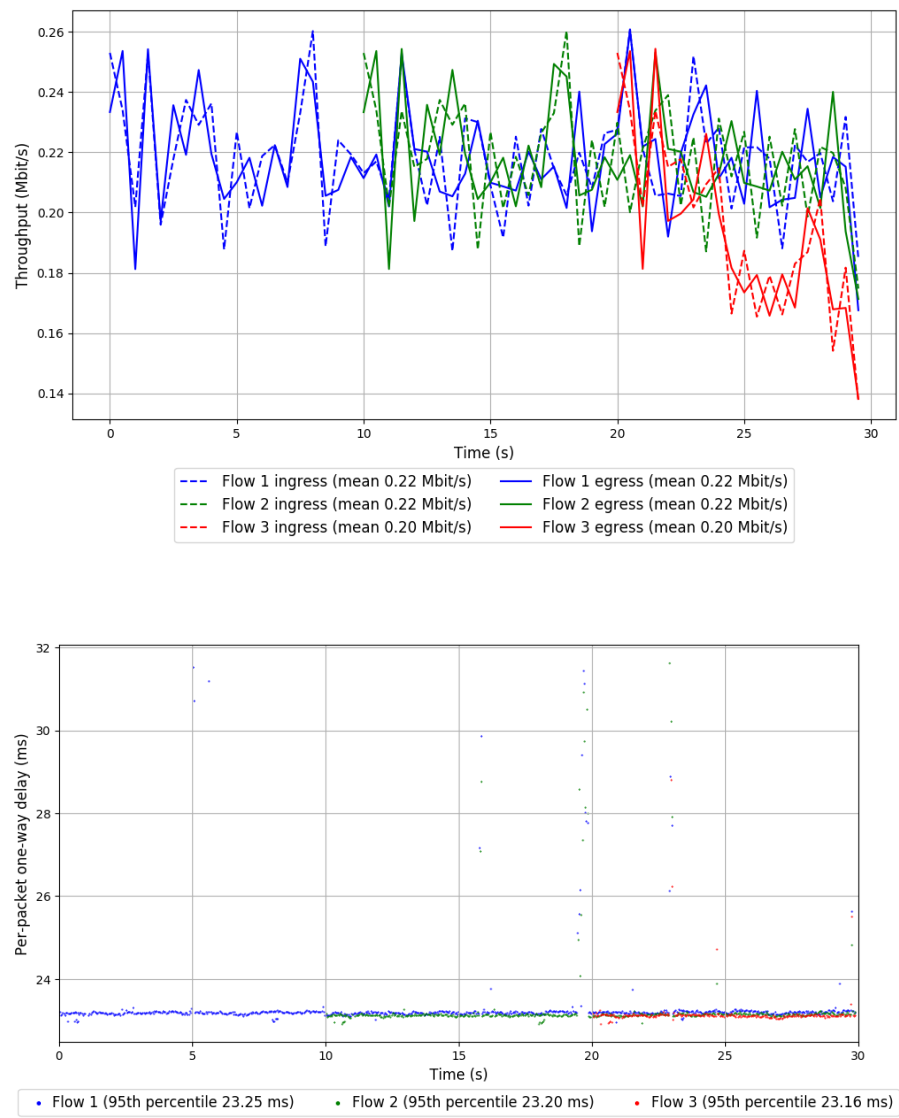
-- Flow 3:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 23.161 ms

Loss rate: 0.75%

Run 10: Report of SCReAM — Data Link

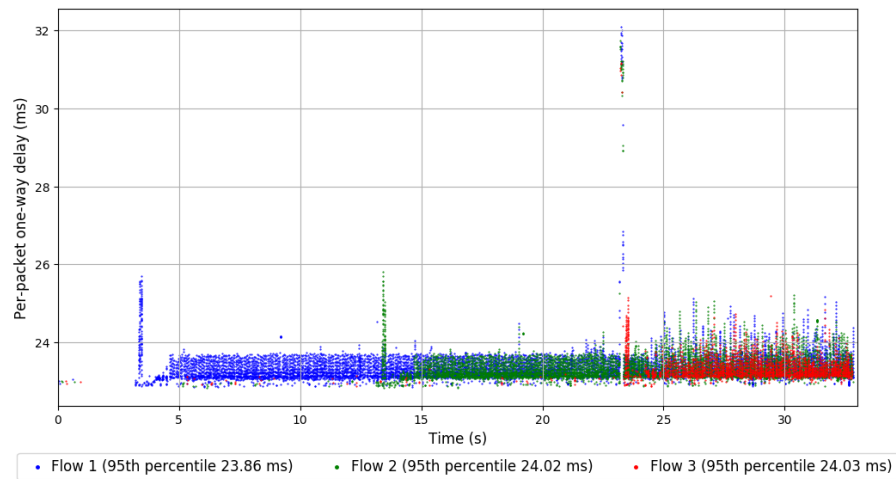
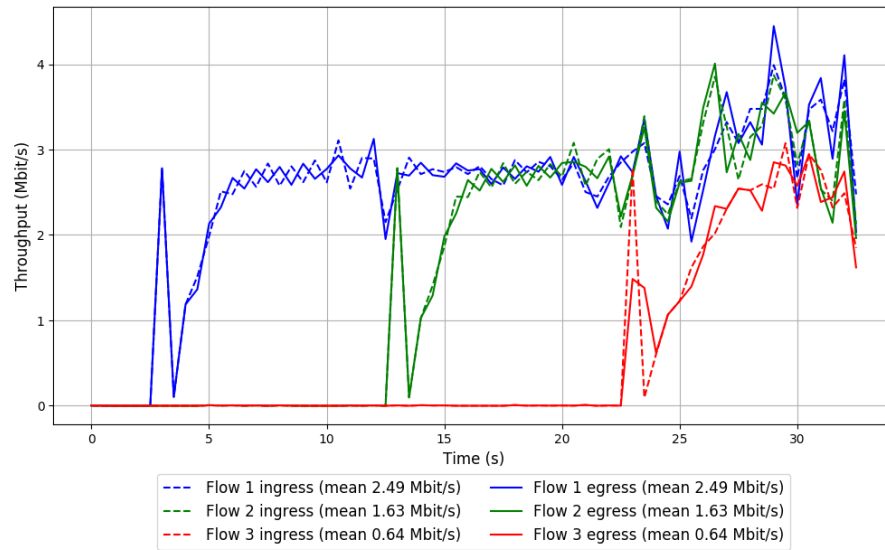


Run 1: Statistics of WebRTC media

Start at: 2018-02-02 22:23:12
End at: 2018-02-02 22:23:42
Local clock offset: 0.855 ms
Remote clock offset: -3.474 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 23.953 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 23.863 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 24.016 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 24.028 ms
Loss rate: 0.55%

Run 1: Report of WebRTC media — Data Link

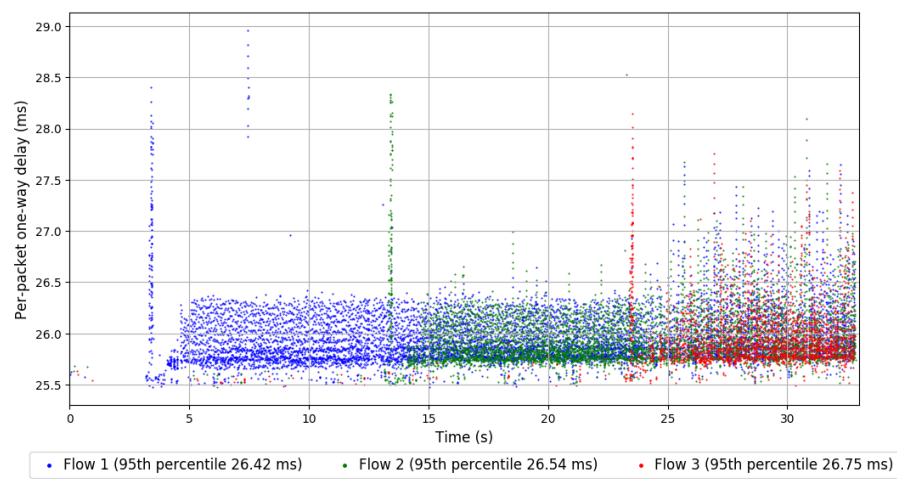
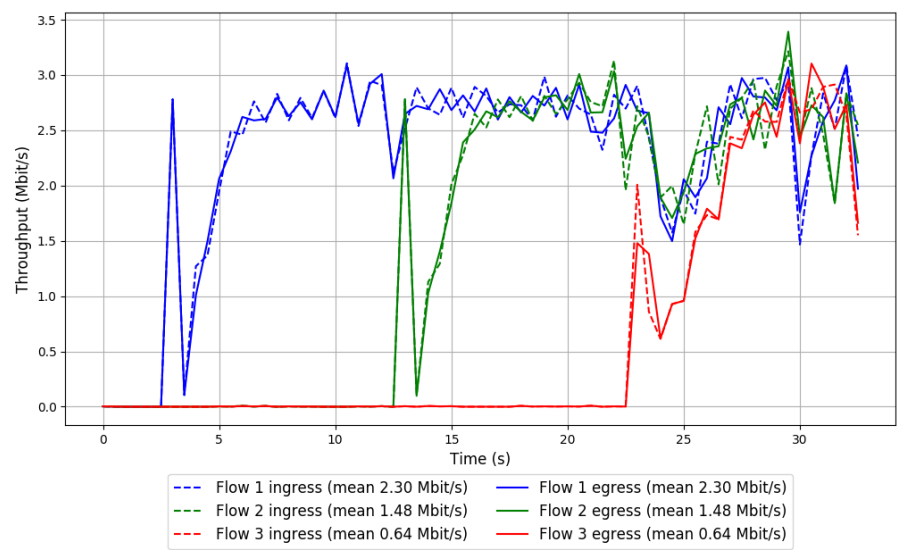


Run 2: Statistics of WebRTC media

Start at: 2018-02-02 22:47:52
End at: 2018-02-02 22:48:22
Local clock offset: 1.08 ms
Remote clock offset: -4.324 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 26.530 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 26.424 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 26.544 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 26.753 ms
Loss rate: 0.49%

Run 2: Report of WebRTC media — Data Link

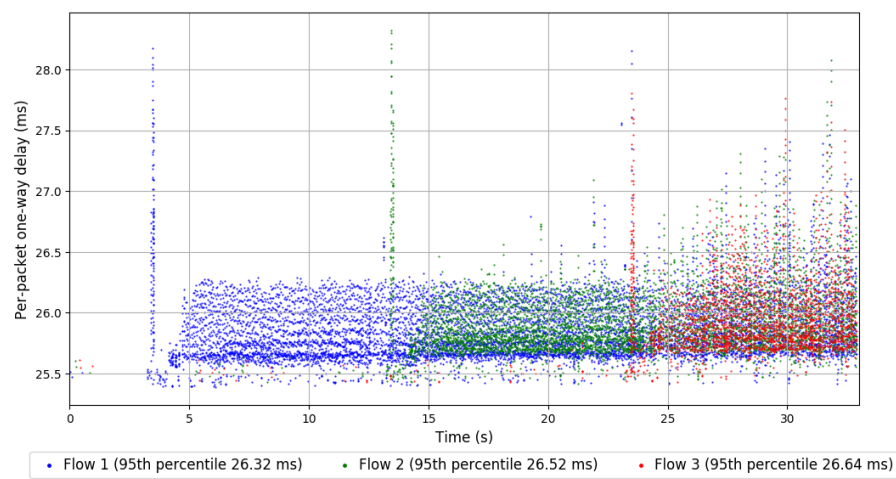
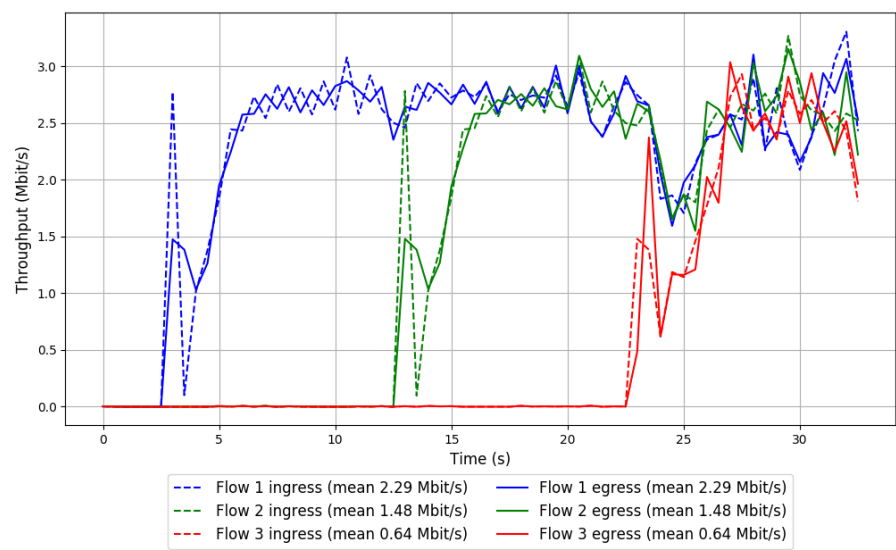


Run 3: Statistics of WebRTC media

Start at: 2018-02-02 23:12:32
End at: 2018-02-02 23:13:02
Local clock offset: 1.0 ms
Remote clock offset: -2.815 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 26.453 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 26.323 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 26.518 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 26.642 ms
Loss rate: 0.28%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-02 23:37:06

End at: 2018-02-02 23:37:36

Local clock offset: 1.161 ms

Remote clock offset: 0.596 ms

Below is generated by plot.py at 2018-02-03 06:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.62 Mbit/s

95th percentile per-packet one-way delay: 24.617 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 24.382 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 24.673 ms

Loss rate: 0.19%

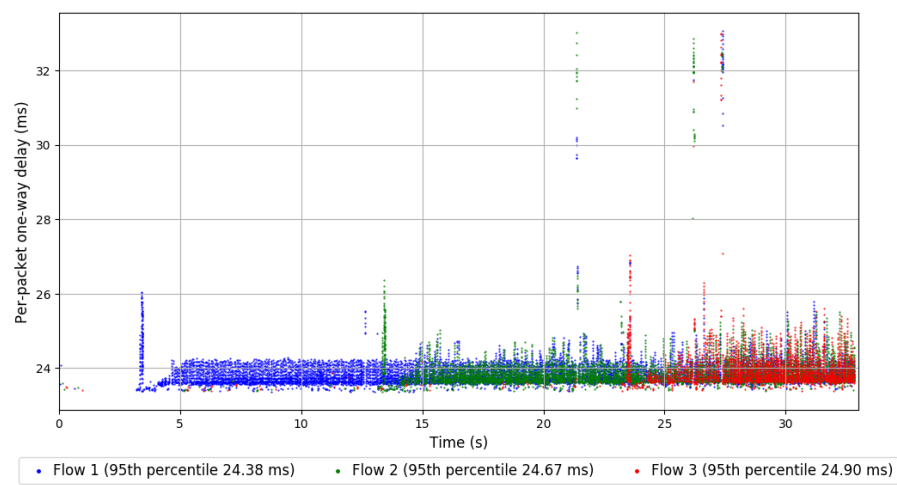
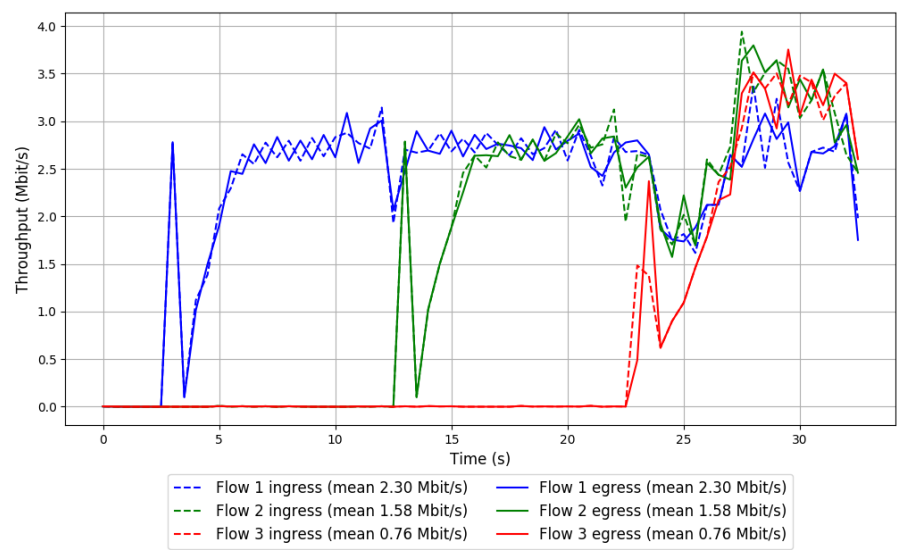
-- Flow 3:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 24.896 ms

Loss rate: 0.24%

Run 4: Report of WebRTC media — Data Link

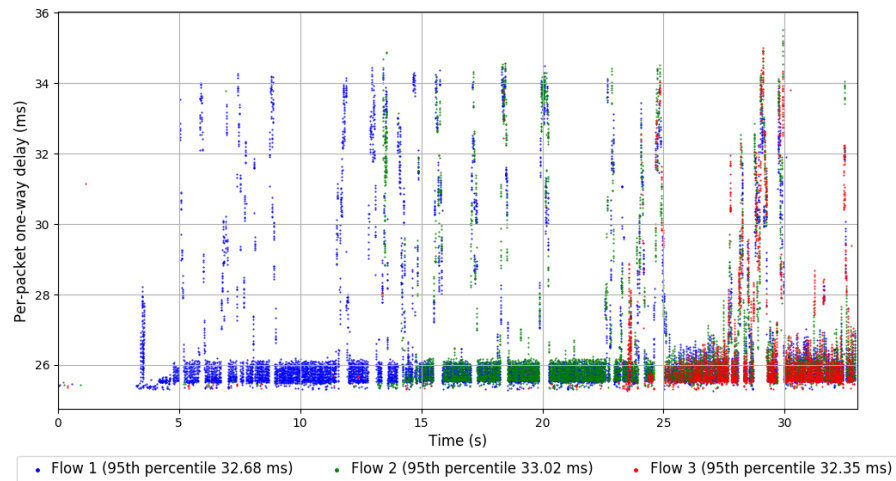
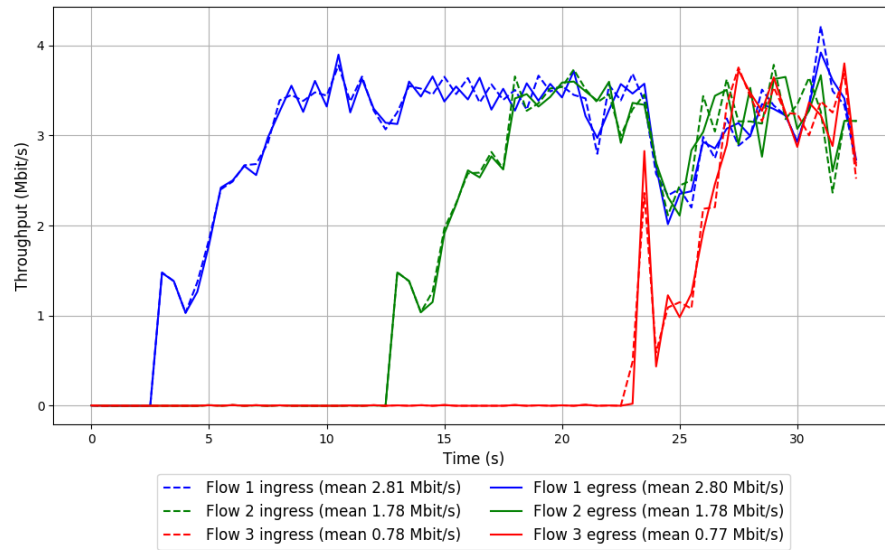


Run 5: Statistics of WebRTC media

Start at: 2018-02-03 00:02:04
End at: 2018-02-03 00:02:34
Local clock offset: 1.052 ms
Remote clock offset: -0.776 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 32.728 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 32.677 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 33.025 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 32.353 ms
Loss rate: 0.98%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-03 00:27:25

End at: 2018-02-03 00:27:55

Local clock offset: 0.738 ms

Remote clock offset: 0.615 ms

Below is generated by plot.py at 2018-02-03 06:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.94 Mbit/s

95th percentile per-packet one-way delay: 27.687 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 27.265 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 28.539 ms

Loss rate: 1.18%

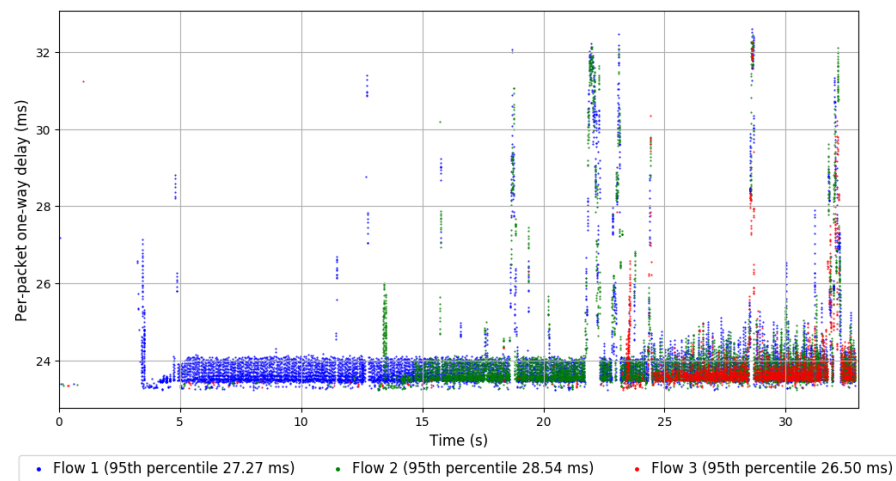
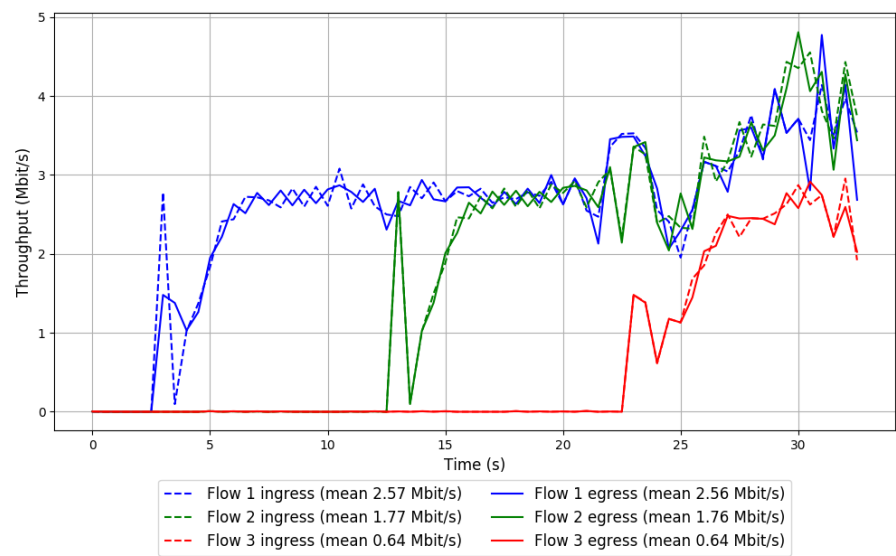
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 26.504 ms

Loss rate: 0.61%

Run 6: Report of WebRTC media — Data Link

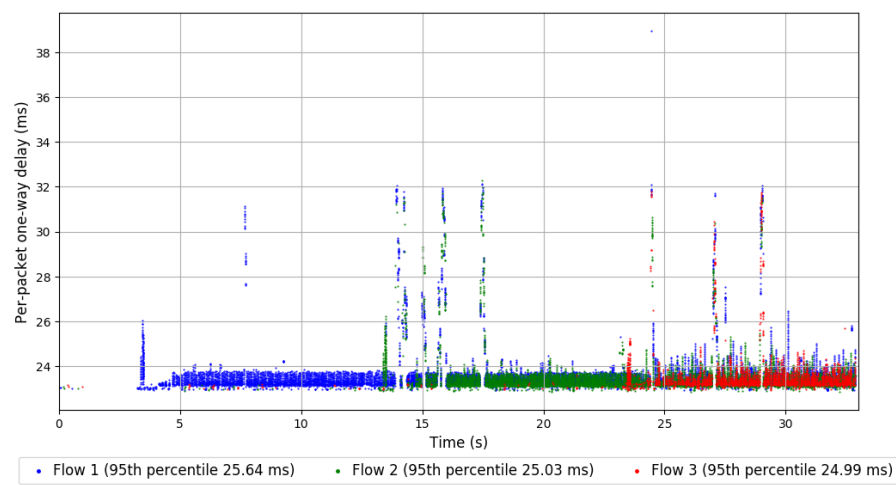
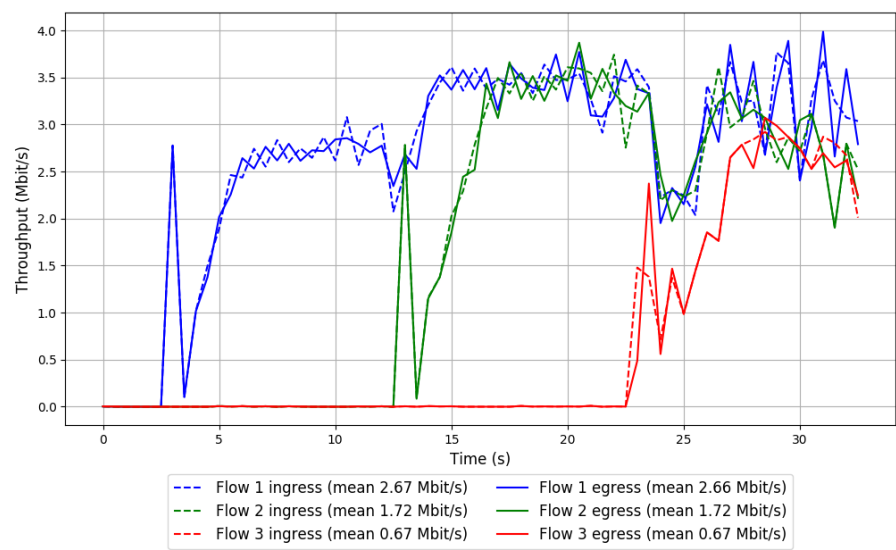


Run 7: Statistics of WebRTC media

Start at: 2018-02-03 00:52:11
End at: 2018-02-03 00:52:41
Local clock offset: 0.841 ms
Remote clock offset: -0.582 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 25.350 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 25.641 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 25.027 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 24.986 ms
Loss rate: 0.72%

Run 7: Report of WebRTC media — Data Link

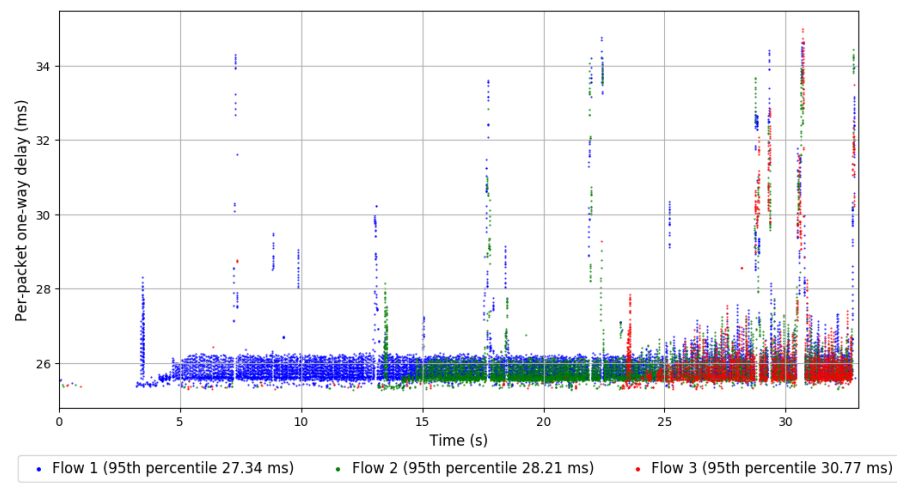
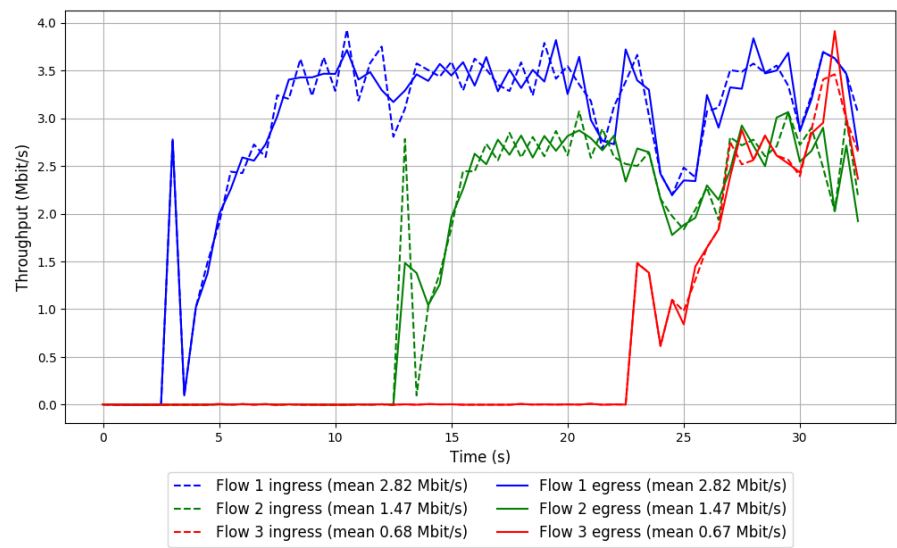


Run 8: Statistics of WebRTC media

Start at: 2018-02-03 01:17:11
End at: 2018-02-03 01:17:41
Local clock offset: 1.028 ms
Remote clock offset: -3.966 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 28.293 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 27.344 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 28.212 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 30.770 ms
Loss rate: 0.74%

Run 8: Report of WebRTC media — Data Link

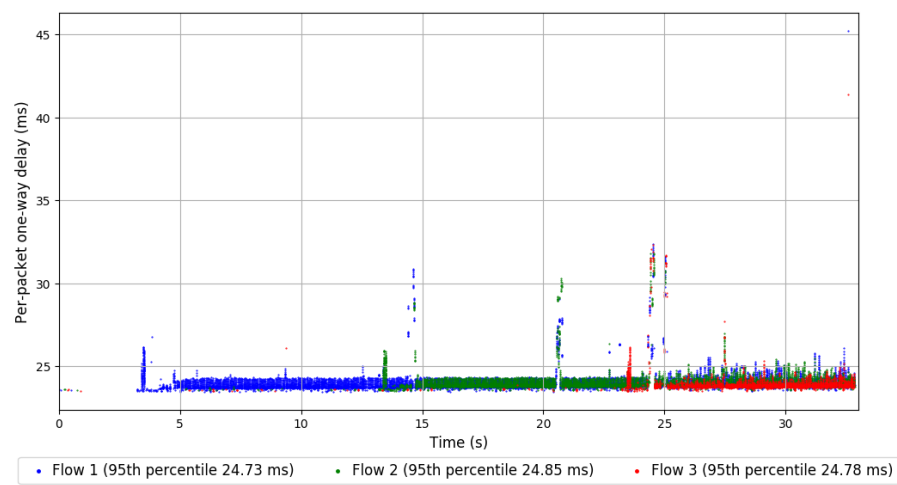
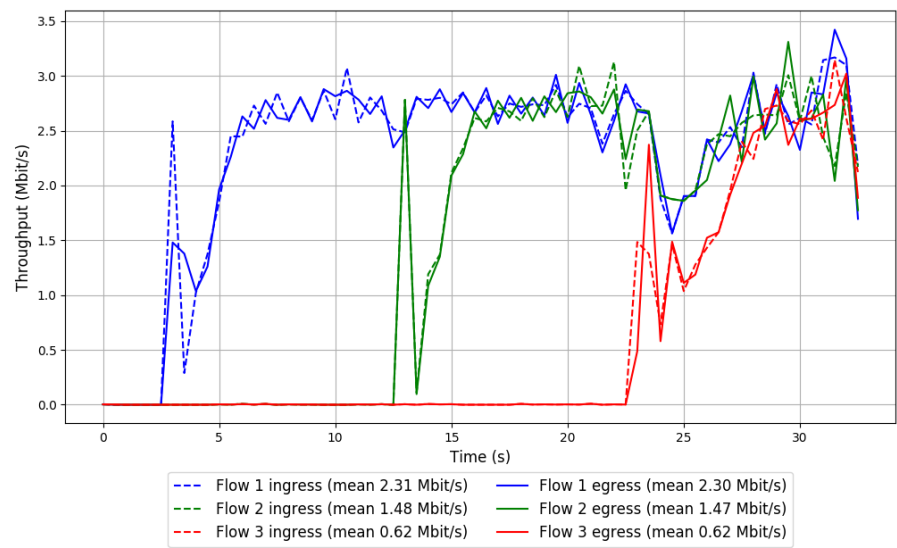


Run 9: Statistics of WebRTC media

Start at: 2018-02-03 01:41:54
End at: 2018-02-03 01:42:24
Local clock offset: 1.025 ms
Remote clock offset: -0.907 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 24.772 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 24.730 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 24.853 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 24.778 ms
Loss rate: 0.73%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-03 02:06:56

End at: 2018-02-03 02:07:26

Local clock offset: 1.054 ms

Remote clock offset: -1.5 ms

Below is generated by plot.py at 2018-02-03 06:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.62 Mbit/s

95th percentile per-packet one-way delay: 26.651 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 26.669 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 26.564 ms

Loss rate: 0.58%

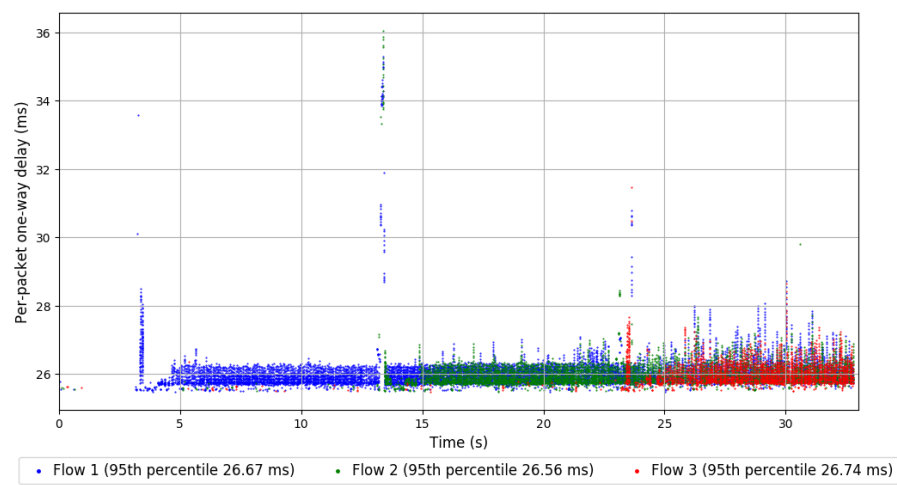
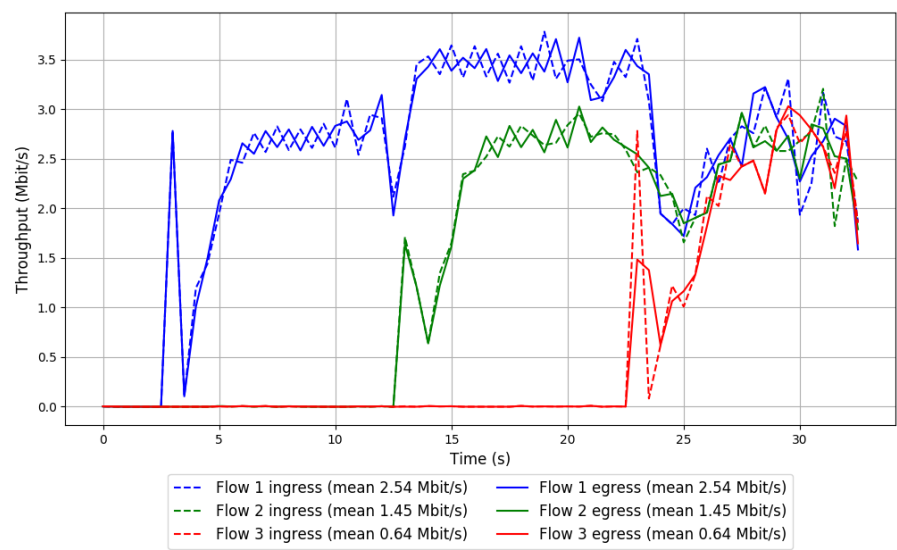
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 26.744 ms

Loss rate: 0.50%

Run 10: Report of WebRTC media — Data Link

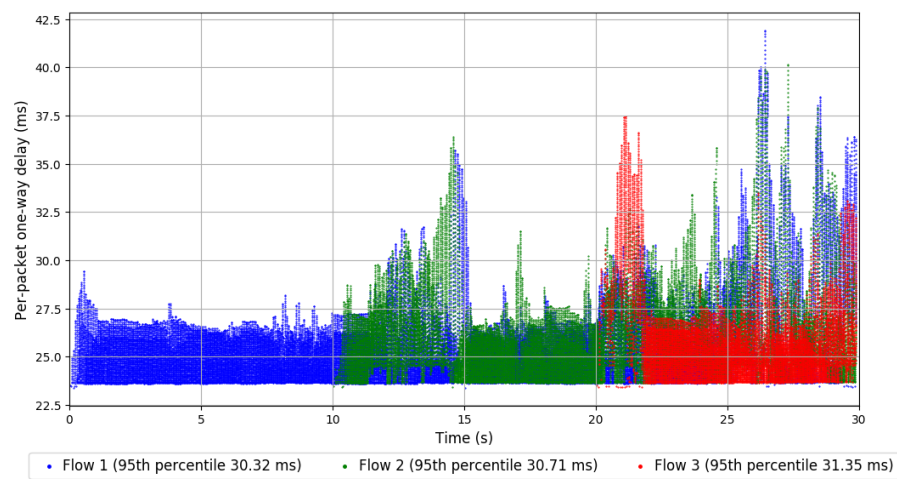
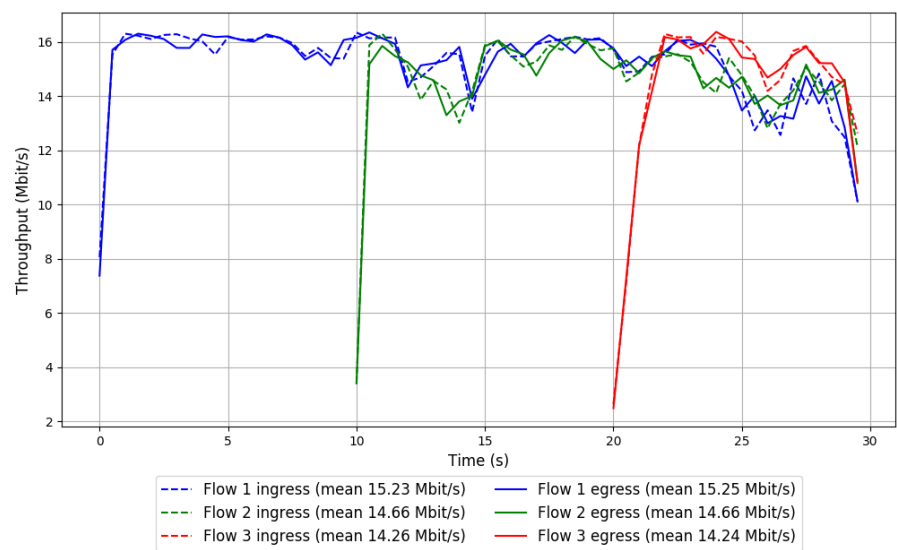


Run 1: Statistics of Sprout

Start at: 2018-02-02 22:20:31
End at: 2018-02-02 22:21:01
Local clock offset: 0.834 ms
Remote clock offset: -4.182 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 30.646 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 30.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 30.708 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 14.24 Mbit/s
95th percentile per-packet one-way delay: 31.351 ms
Loss rate: 0.72%

Run 1: Report of Sprout — Data Link

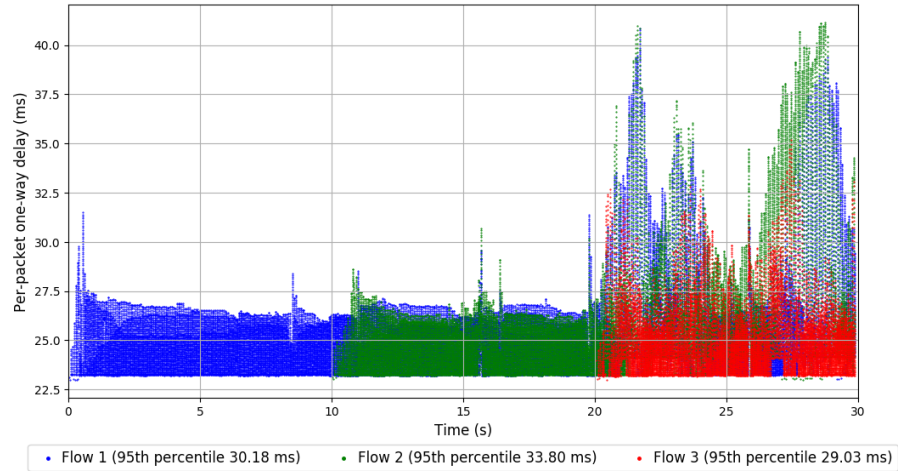
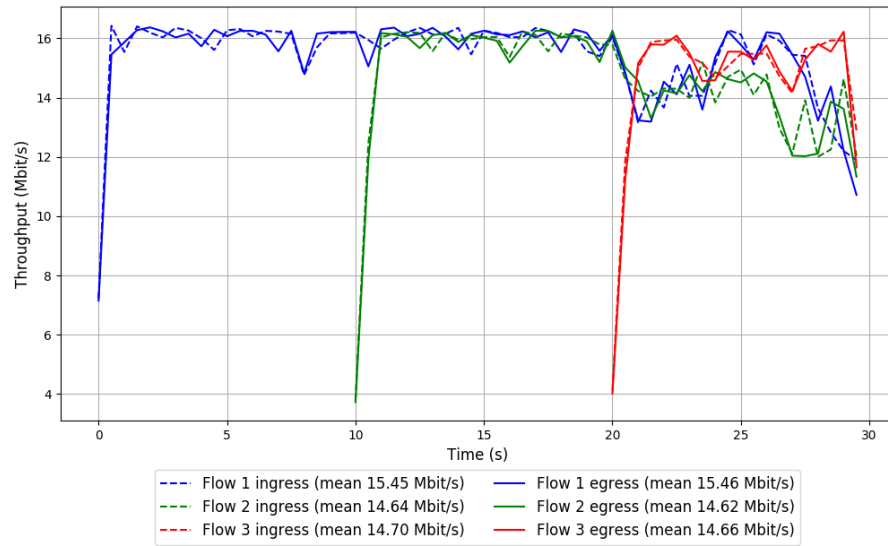


Run 2: Statistics of Sprout

Start at: 2018-02-02 22:45:11
End at: 2018-02-02 22:45:41
Local clock offset: 0.991 ms
Remote clock offset: -2.102 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 31.165 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 30.176 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 33.798 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 29.027 ms
Loss rate: 0.67%

Run 2: Report of Sprout — Data Link

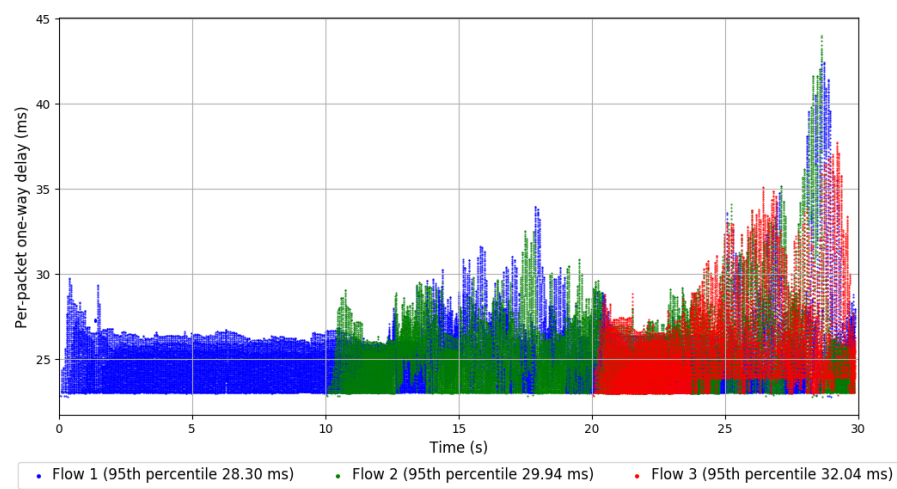
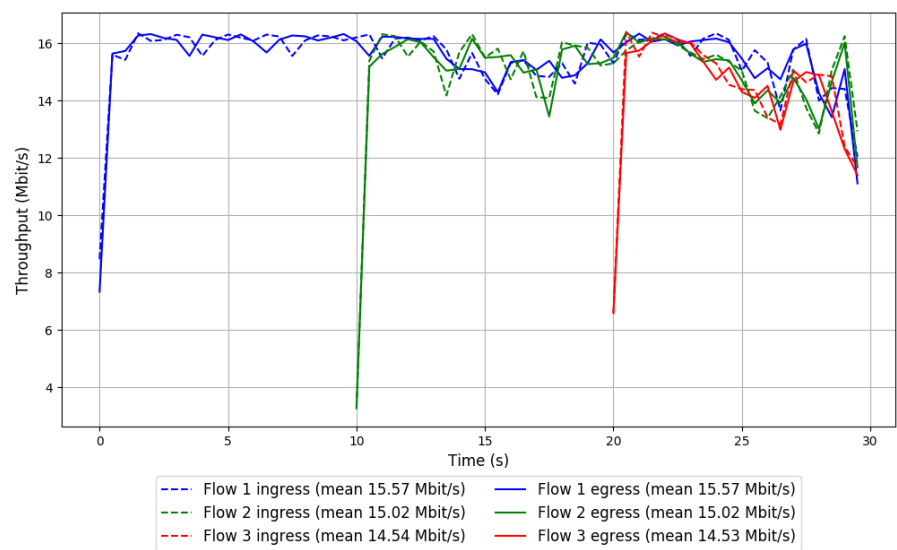


Run 3: Statistics of Sprout

Start at: 2018-02-02 23:09:52
End at: 2018-02-02 23:10:22
Local clock offset: 1.085 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-02-03 06:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 29.759 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 28.298 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 29.936 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 32.040 ms
Loss rate: 0.68%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-02-02 23:34:27

End at: 2018-02-02 23:34:57

Local clock offset: 1.145 ms

Remote clock offset: 0.852 ms

Below is generated by plot.py at 2018-02-03 06:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.03 Mbit/s

95th percentile per-packet one-way delay: 31.338 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 15.28 Mbit/s

95th percentile per-packet one-way delay: 33.907 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 14.75 Mbit/s

95th percentile per-packet one-way delay: 29.346 ms

Loss rate: 0.34%

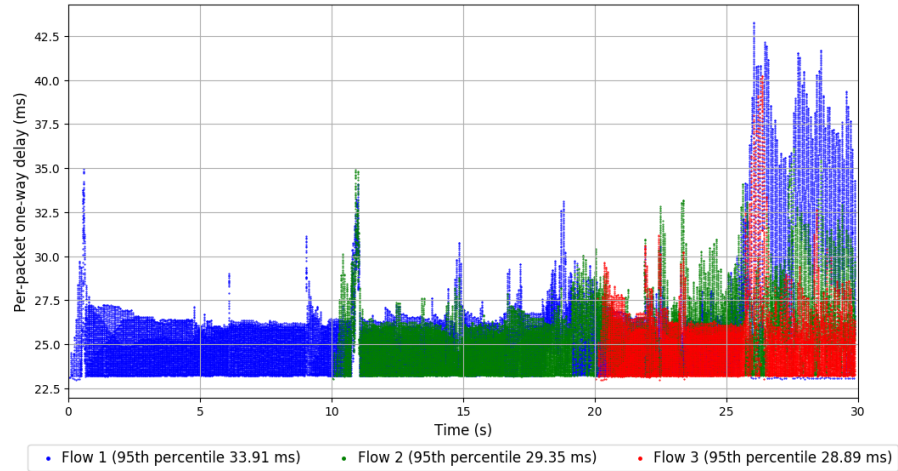
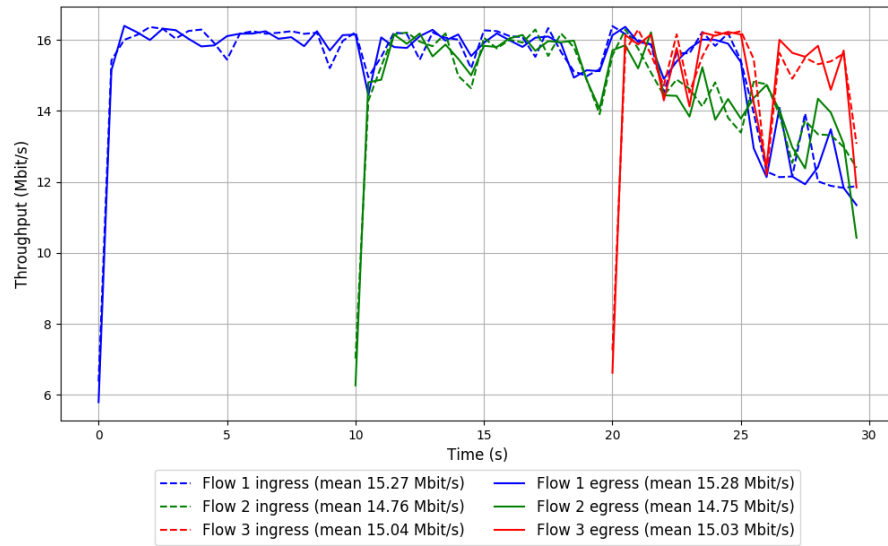
-- Flow 3:

Average throughput: 15.03 Mbit/s

95th percentile per-packet one-way delay: 28.888 ms

Loss rate: 0.65%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-02 23:59:22

End at: 2018-02-02 23:59:52

Local clock offset: 1.093 ms

Remote clock offset: 1.601 ms

Below is generated by plot.py at 2018-02-03 06:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.38 Mbit/s

95th percentile per-packet one-way delay: 31.030 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 14.85 Mbit/s

95th percentile per-packet one-way delay: 30.715 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 14.56 Mbit/s

95th percentile per-packet one-way delay: 31.164 ms

Loss rate: 0.33%

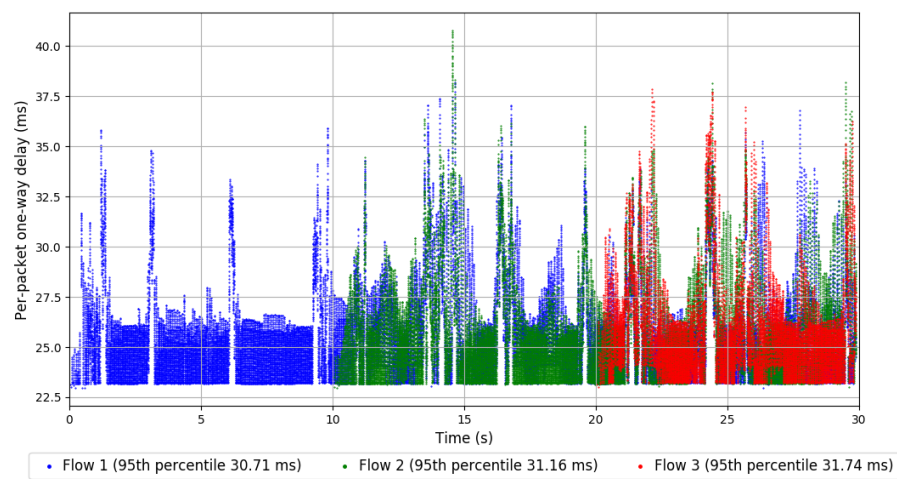
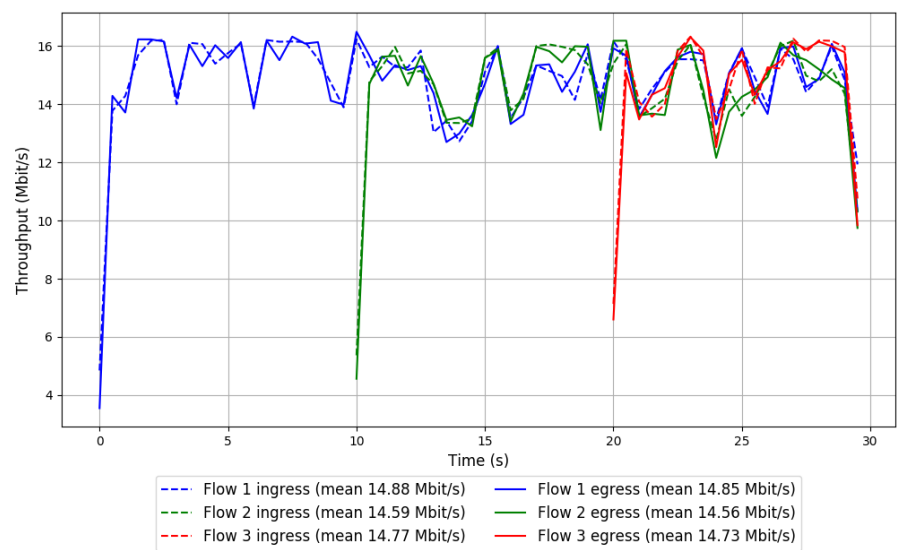
-- Flow 3:

Average throughput: 14.73 Mbit/s

95th percentile per-packet one-way delay: 31.744 ms

Loss rate: 0.80%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-02-03 00:24:48

End at: 2018-02-03 00:25:18

Local clock offset: 0.836 ms

Remote clock offset: 0.762 ms

Below is generated by plot.py at 2018-02-03 06:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.15 Mbit/s

95th percentile per-packet one-way delay: 30.743 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 15.52 Mbit/s

95th percentile per-packet one-way delay: 28.825 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 14.94 Mbit/s

95th percentile per-packet one-way delay: 32.097 ms

Loss rate: 0.36%

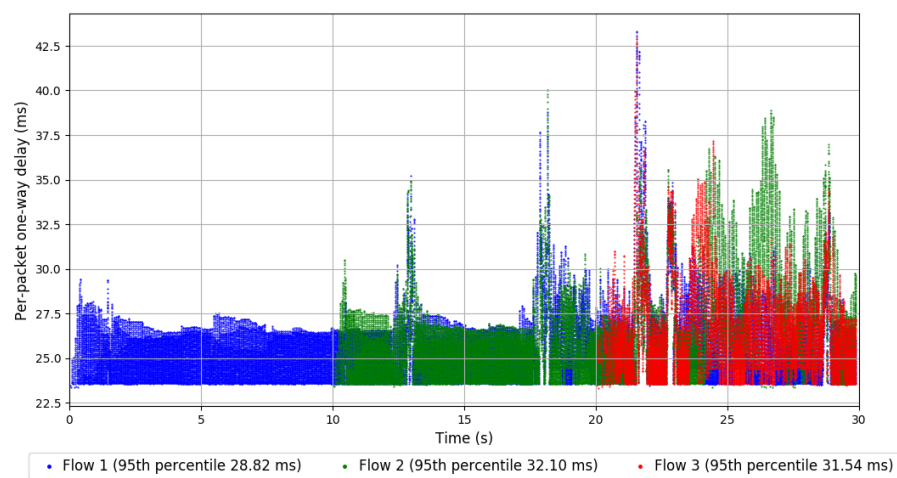
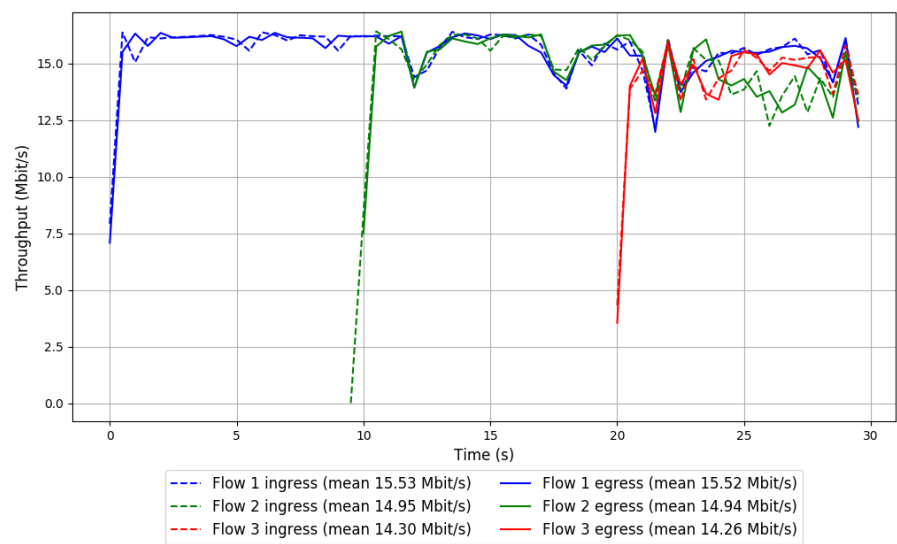
-- Flow 3:

Average throughput: 14.26 Mbit/s

95th percentile per-packet one-way delay: 31.541 ms

Loss rate: 0.81%

Run 6: Report of Sprout — Data Link

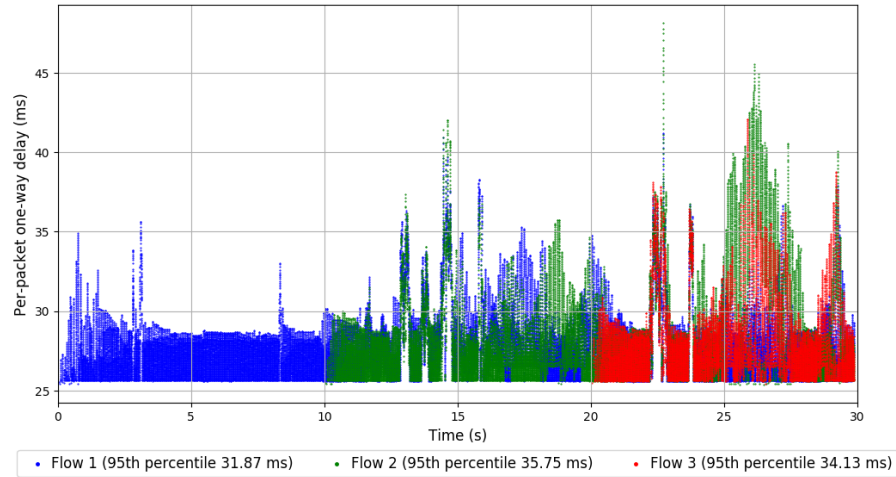
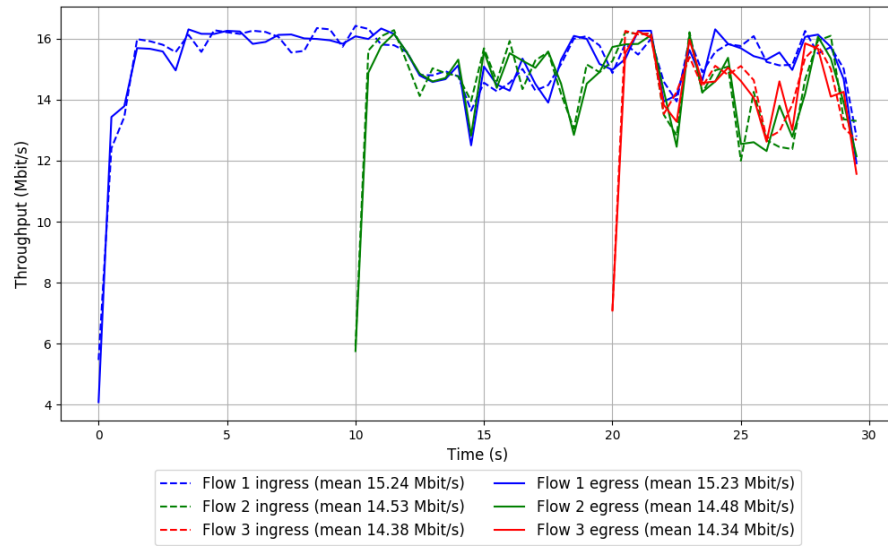


Run 7: Statistics of Sprout

Start at: 2018-02-03 00:49:33
End at: 2018-02-03 00:50:03
Local clock offset: 0.834 ms
Remote clock offset: -2.817 ms

Below is generated by plot.py at 2018-02-03 06:45:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 33.783 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 31.871 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 14.48 Mbit/s
95th percentile per-packet one-way delay: 35.753 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 34.126 ms
Loss rate: 0.66%

Run 7: Report of Sprout — Data Link

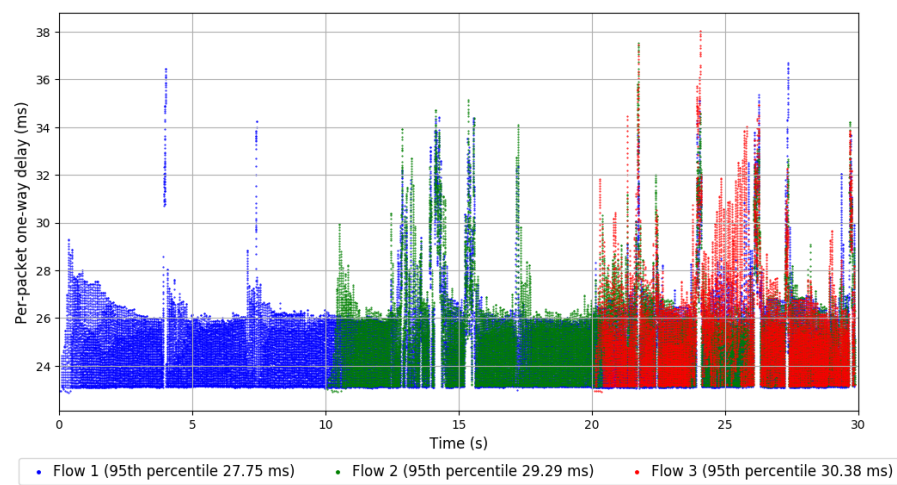
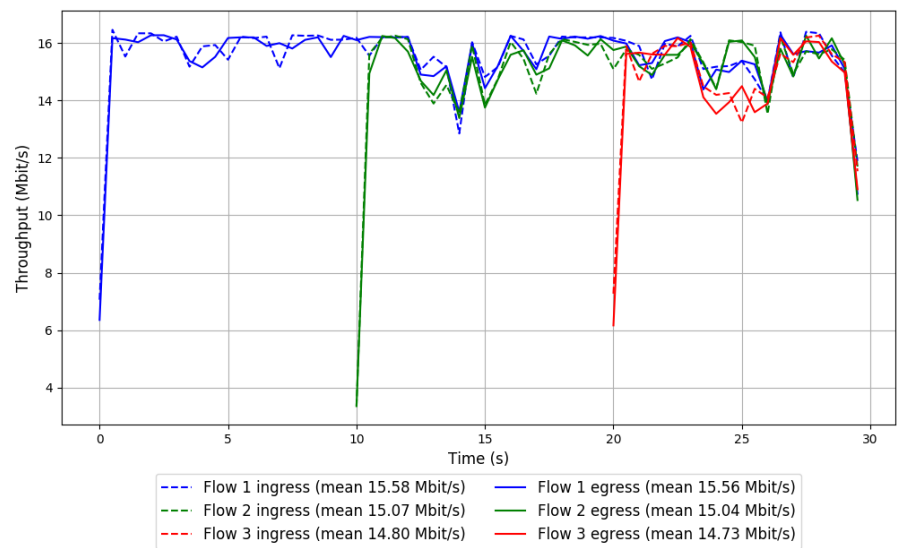


Run 8: Statistics of Sprout

Start at: 2018-02-03 01:14:32
End at: 2018-02-03 01:15:02
Local clock offset: 1.113 ms
Remote clock offset: -1.444 ms

Below is generated by plot.py at 2018-02-03 06:45:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 28.996 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 27.754 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 29.293 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 30.378 ms
Loss rate: 0.86%

Run 8: Report of Sprout — Data Link

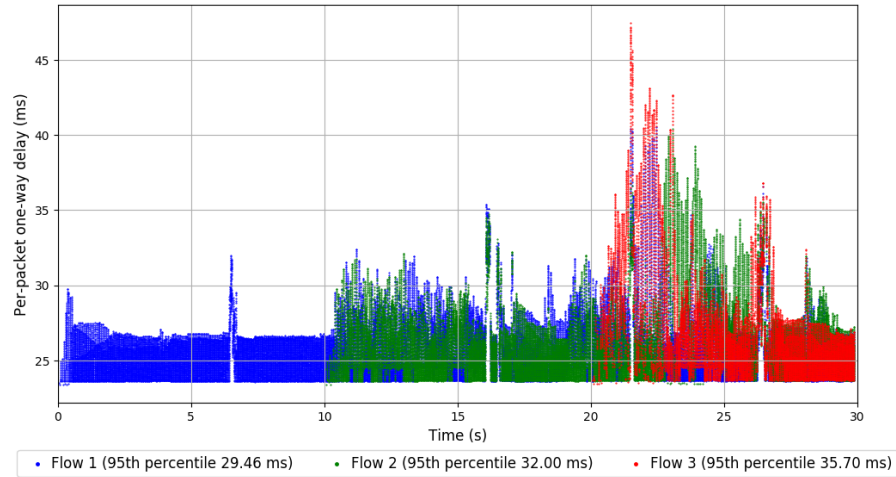
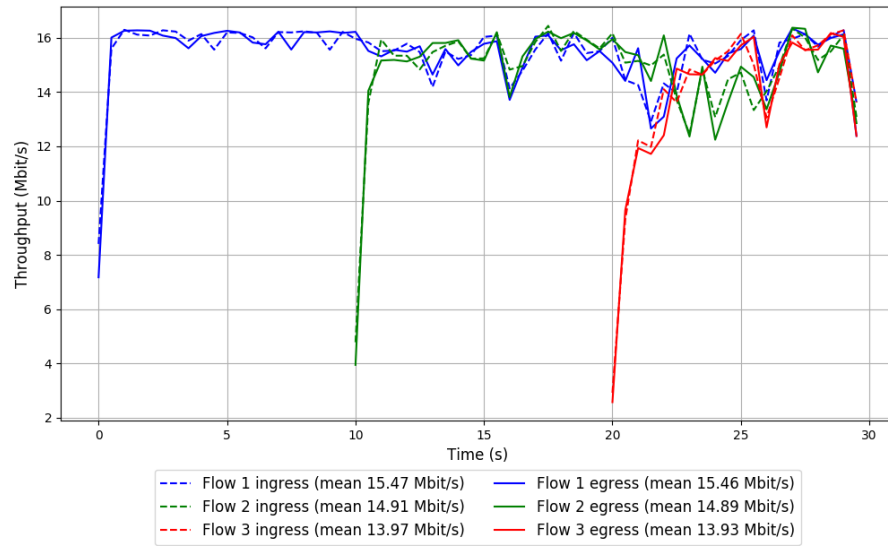


Run 9: Statistics of Sprout

Start at: 2018-02-03 01:39:09
End at: 2018-02-03 01:39:39
Local clock offset: 1.076 ms
Remote clock offset: -1.007 ms

Below is generated by plot.py at 2018-02-03 06:45:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 31.530 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 29.457 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 14.89 Mbit/s
95th percentile per-packet one-way delay: 31.995 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 13.93 Mbit/s
95th percentile per-packet one-way delay: 35.703 ms
Loss rate: 0.92%

Run 9: Report of Sprout — Data Link

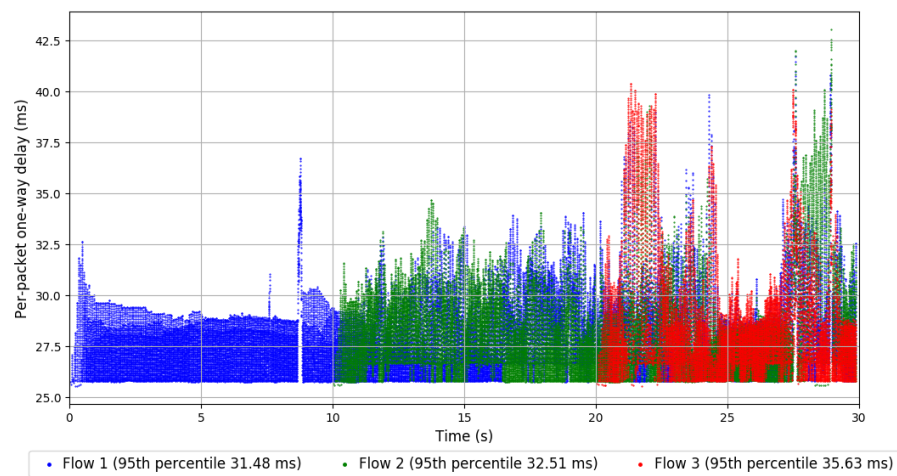
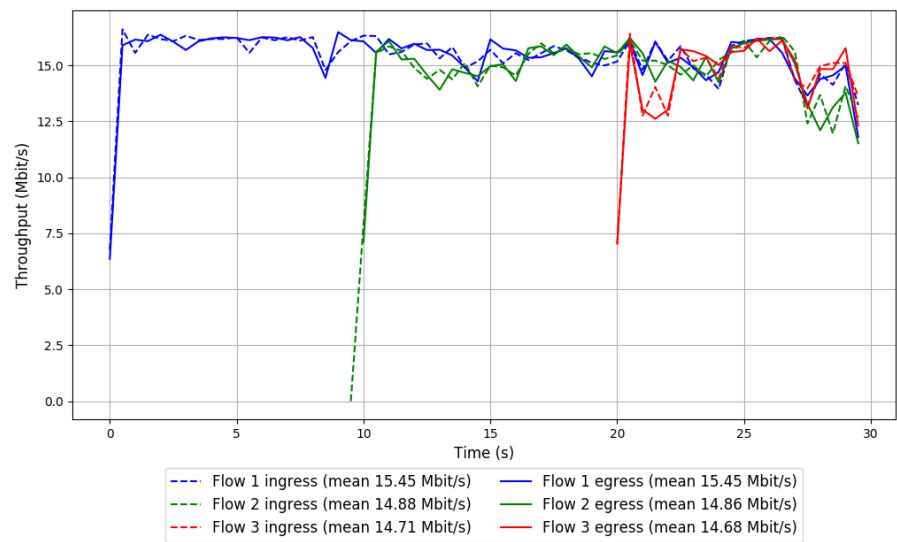


Run 10: Statistics of Sprout

Start at: 2018-02-03 02:04:16
End at: 2018-02-03 02:04:46
Local clock offset: 1.039 ms
Remote clock offset: -1.694 ms

Below is generated by plot.py at 2018-02-03 06:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 32.411 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 31.476 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 14.86 Mbit/s
95th percentile per-packet one-way delay: 32.509 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 14.68 Mbit/s
95th percentile per-packet one-way delay: 35.628 ms
Loss rate: 0.78%

Run 10: Report of Sprout — Data Link

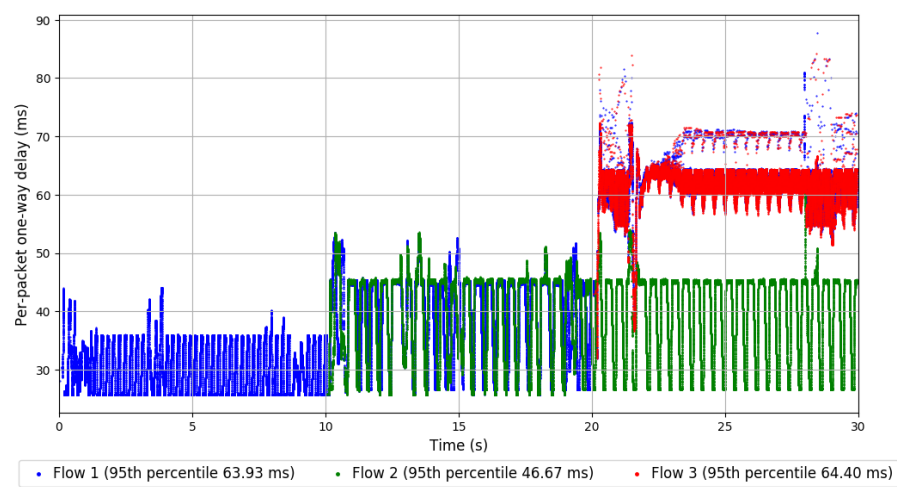
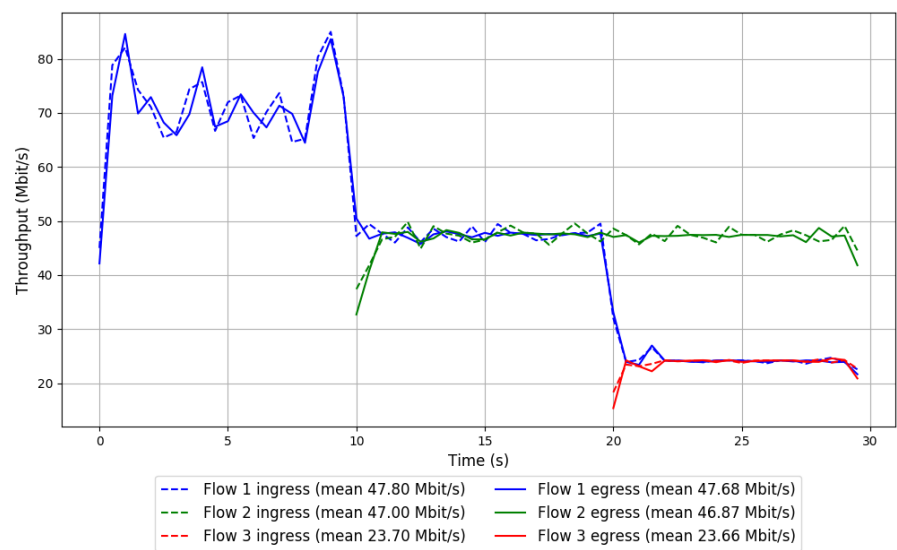


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-02 22:10:51
End at: 2018-02-02 22:11:21
Local clock offset: 0.836 ms
Remote clock offset: -6.997 ms

Below is generated by plot.py at 2018-02-03 06:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 63.917 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 63.927 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 46.669 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 64.404 ms
Loss rate: 1.08%

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

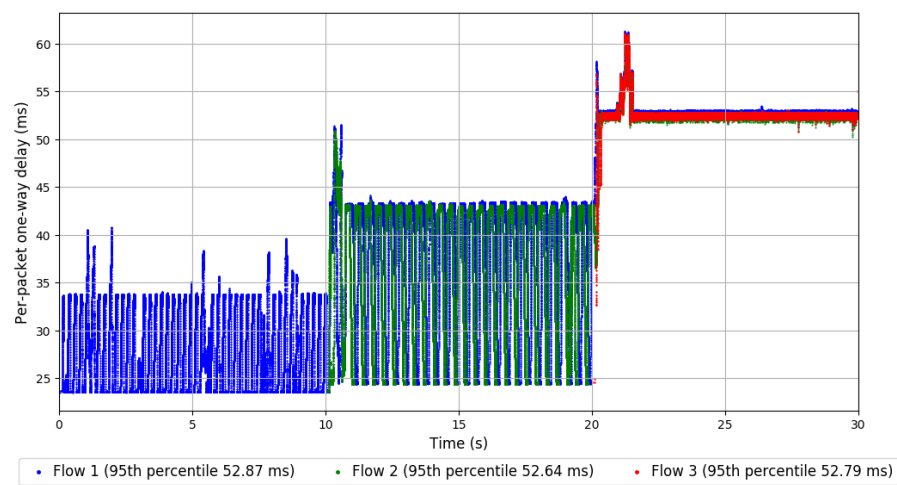
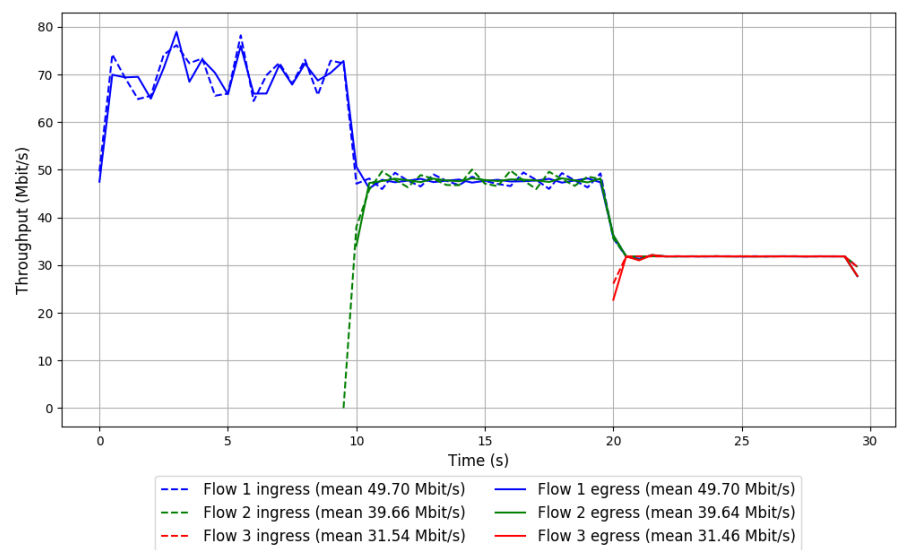


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-02 22:35:31
End at: 2018-02-02 22:36:01
Local clock offset: 1.031 ms
Remote clock offset: -3.024 ms

Below is generated by plot.py at 2018-02-03 06:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 52.838 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 52.869 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 52.640 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 52.793 ms
Loss rate: 0.93%

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

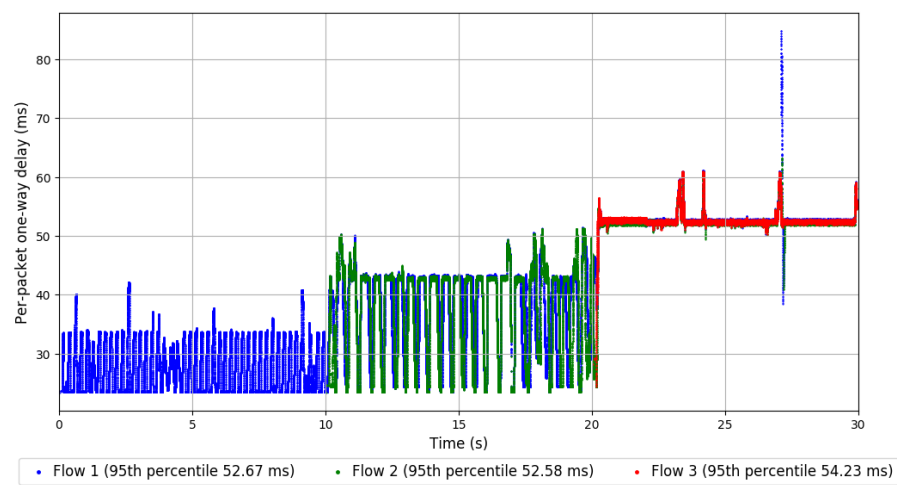
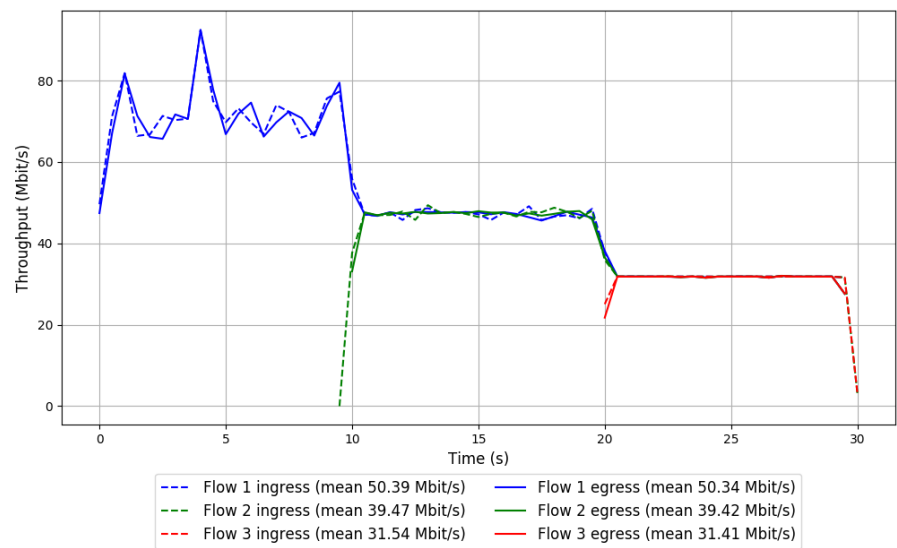


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-02 23:00:13
End at: 2018-02-02 23:00:43
Local clock offset: 0.988 ms
Remote clock offset: -1.251 ms

Below is generated by plot.py at 2018-02-03 06:47:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 52.740 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 52.674 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 52.579 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 54.232 ms
Loss rate: 1.74%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-02 23:24:50

End at: 2018-02-02 23:25:20

Local clock offset: 1.108 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-02-03 06:47:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 54.934 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 55.14 Mbit/s

95th percentile per-packet one-way delay: 42.892 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 30.66 Mbit/s

95th percentile per-packet one-way delay: 59.651 ms

Loss rate: 0.10%

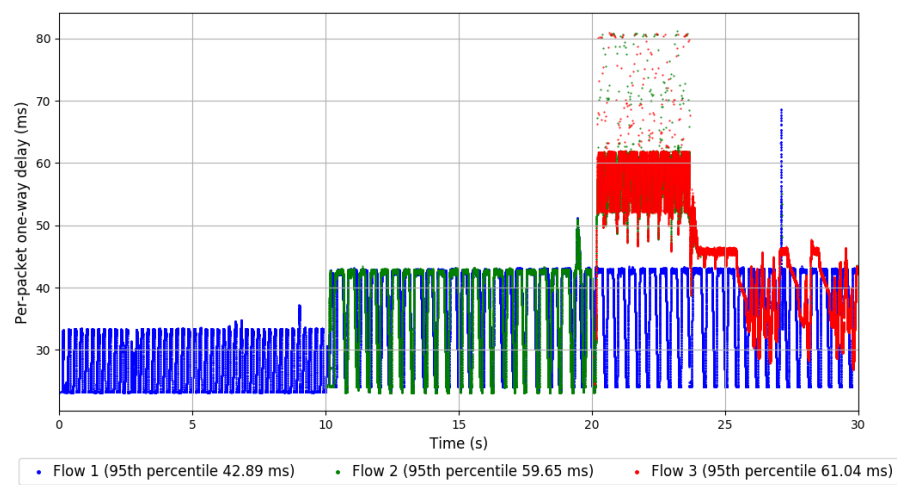
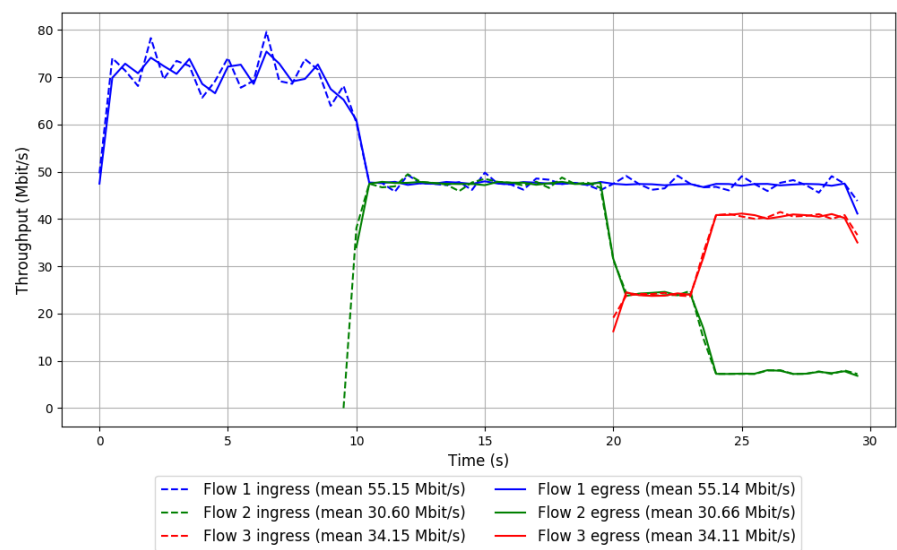
-- Flow 3:

Average throughput: 34.11 Mbit/s

95th percentile per-packet one-way delay: 61.040 ms

Loss rate: 0.73%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-02 23:49:28

End at: 2018-02-02 23:49:58

Local clock offset: 1.174 ms

Remote clock offset: 1.04 ms

Below is generated by plot.py at 2018-02-03 06:47:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 56.188 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 49.17 Mbit/s

95th percentile per-packet one-way delay: 52.810 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 39.34 Mbit/s

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

Loss rate: 0.87%

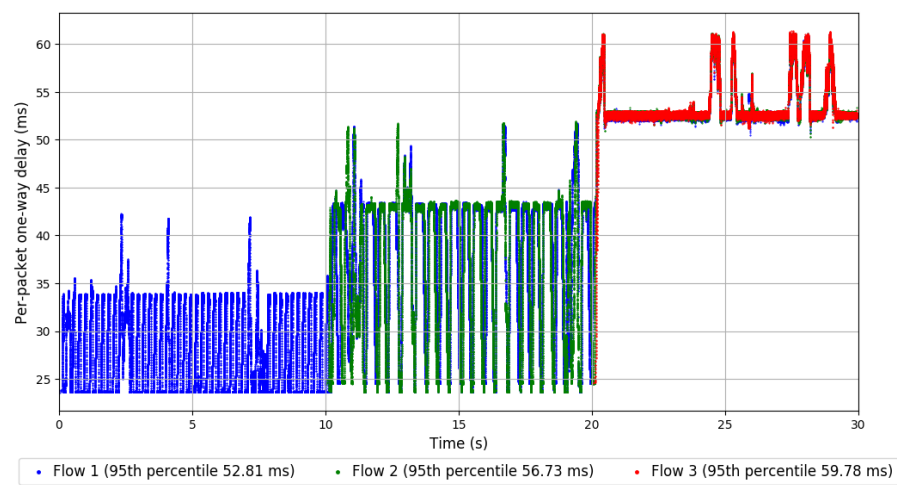
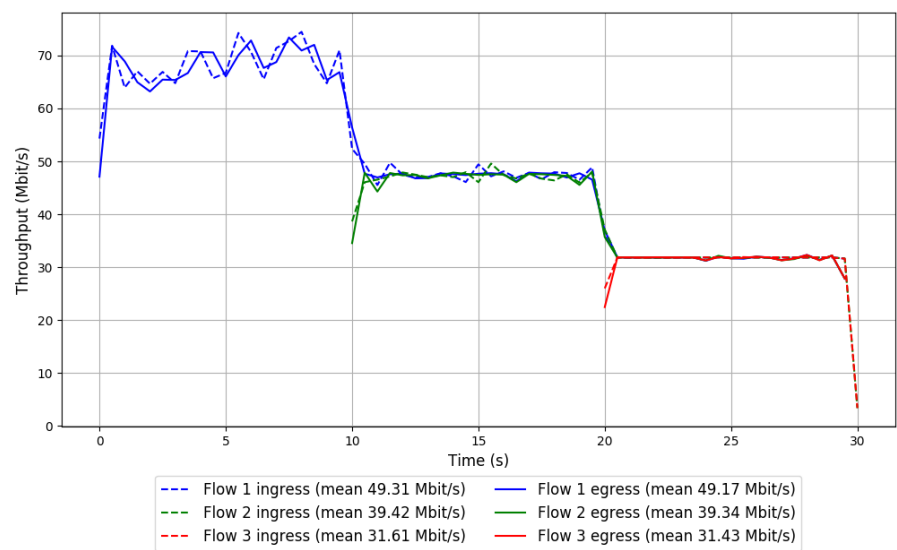
-- Flow 3:

Average throughput: 31.43 Mbit/s

95th percentile per-packet one-way delay: 59.780 ms

Loss rate: 1.86%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-02-03 00:15:01

End at: 2018-02-03 00:15:31

Local clock offset: 0.948 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2018-02-03 06:47:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 59.273 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 49.92 Mbit/s

95th percentile per-packet one-way delay: 57.940 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 39.38 Mbit/s

95th percentile per-packet one-way delay: 59.324 ms

Loss rate: 1.01%

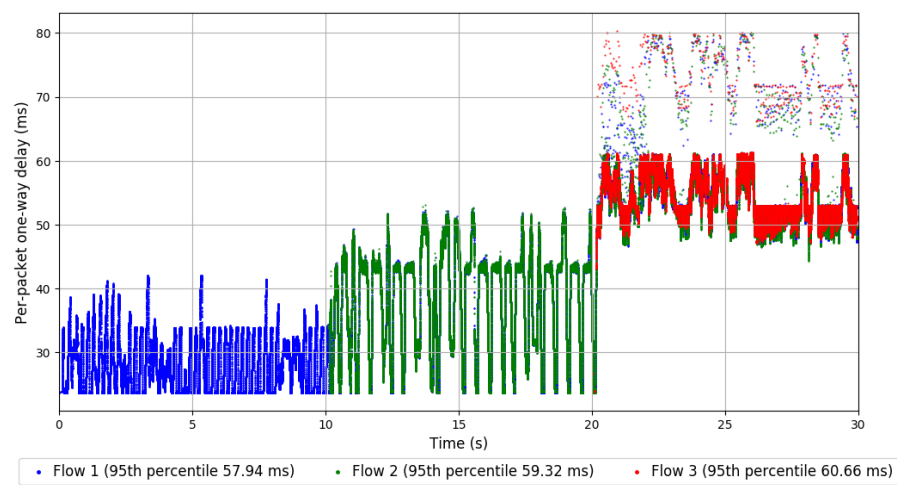
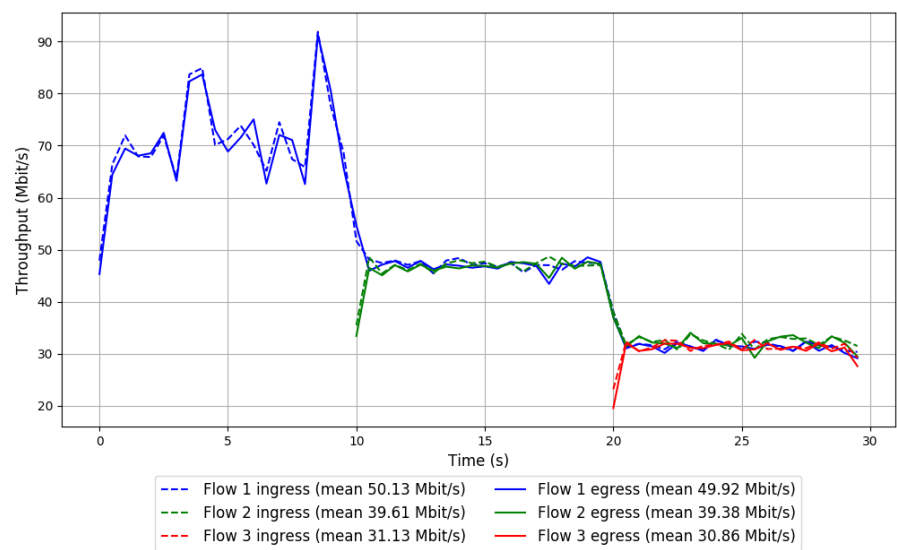
-- Flow 3:

Average throughput: 30.86 Mbit/s

95th percentile per-packet one-way delay: 60.656 ms

Loss rate: 1.66%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-03 00:39:46

End at: 2018-02-03 00:40:16

Local clock offset: 0.81 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-02-03 06:47:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 52.698 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 50.06 Mbit/s

95th percentile per-packet one-way delay: 52.488 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 39.48 Mbit/s

95th percentile per-packet one-way delay: 52.532 ms

Loss rate: 0.44%

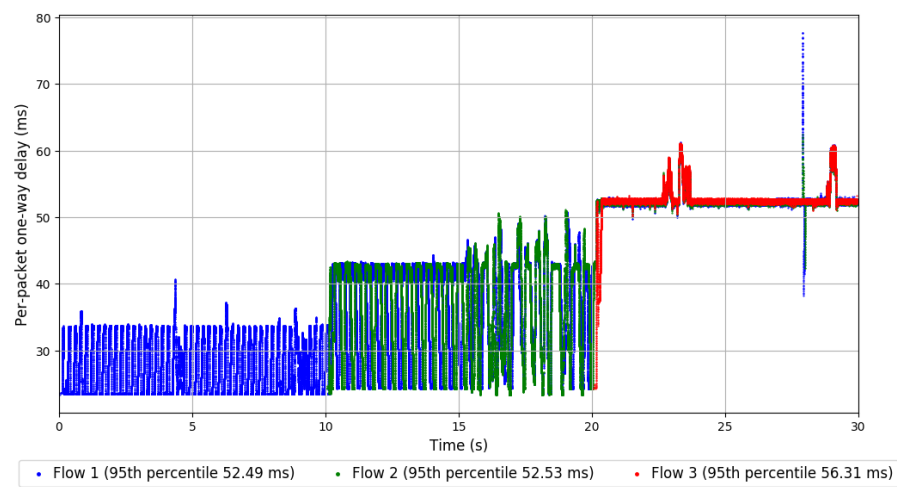
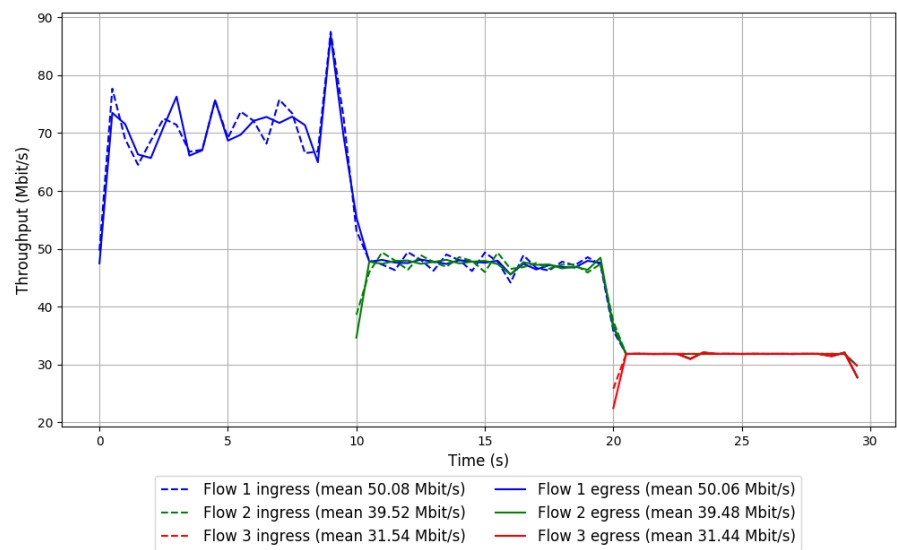
-- Flow 3:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 56.312 ms

Loss rate: 0.98%

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

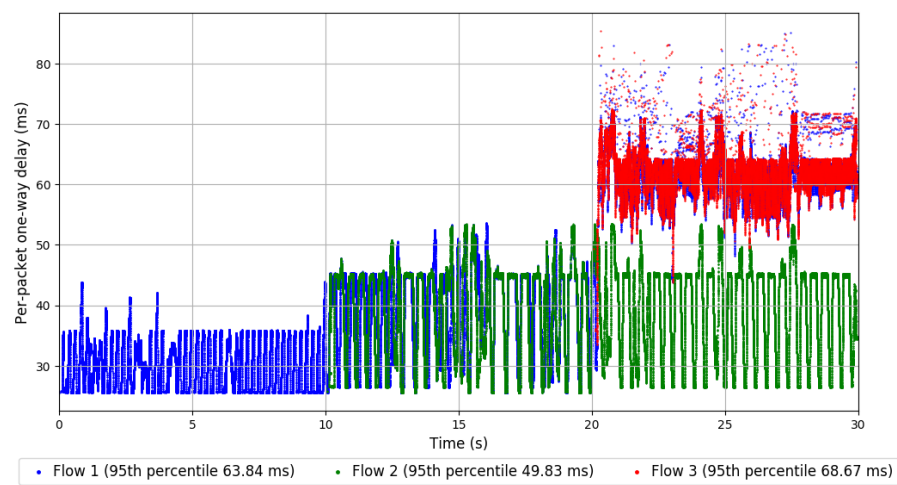
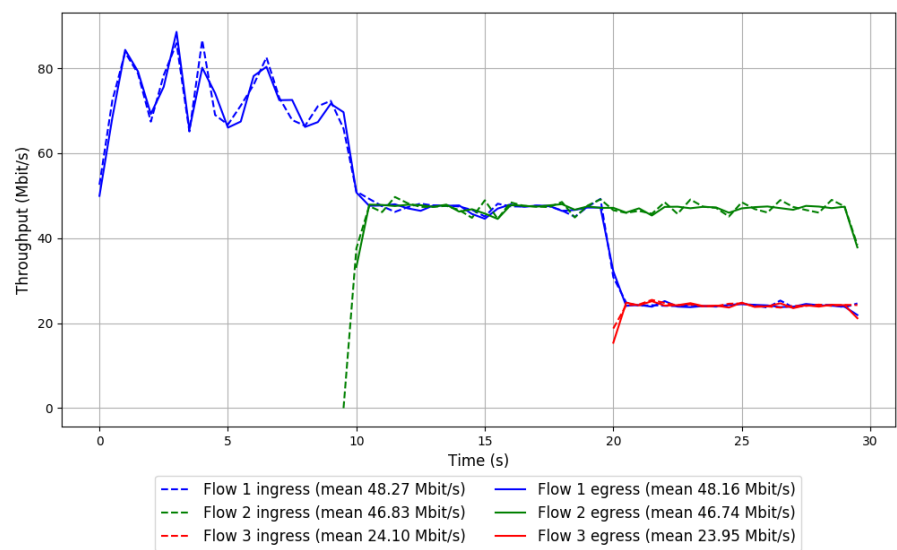


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-03 01:04:31
End at: 2018-02-03 01:05:01
Local clock offset: 0.988 ms
Remote clock offset: -3.763 ms

Below is generated by plot.py at 2018-02-03 06:47:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 63.955 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 63.844 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 46.74 Mbit/s
95th percentile per-packet one-way delay: 49.825 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 68.671 ms
Loss rate: 1.45%

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

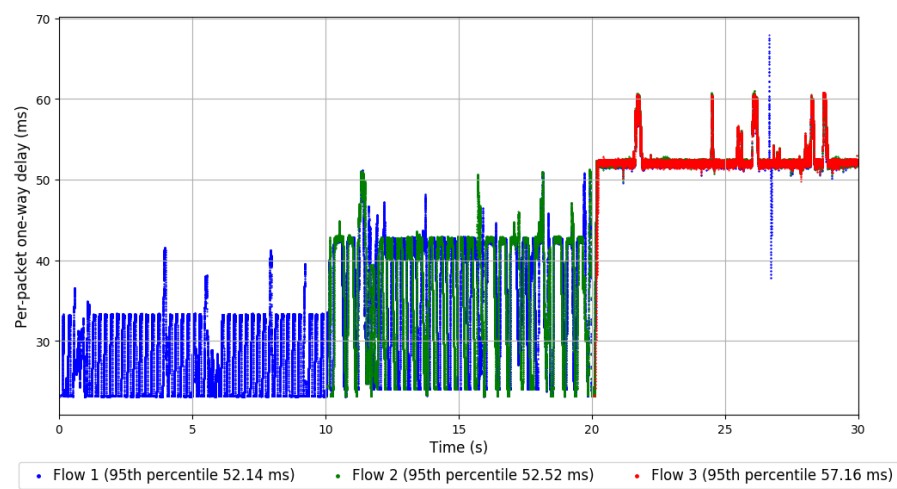
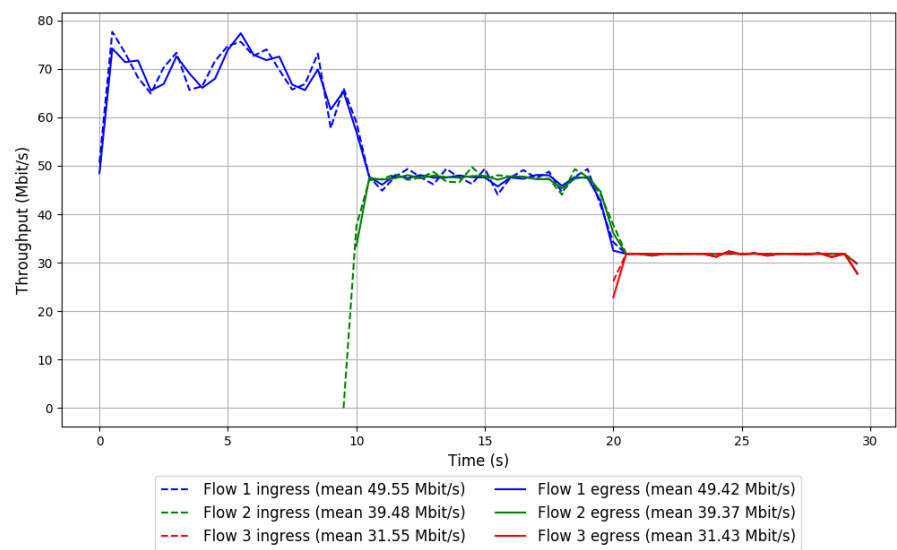


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-03 01:29:33
End at: 2018-02-03 01:30:03
Local clock offset: 1.155 ms
Remote clock offset: -1.228 ms

Below is generated by plot.py at 2018-02-03 06:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 52.449 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 52.136 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 39.37 Mbit/s
95th percentile per-packet one-way delay: 52.516 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 57.161 ms
Loss rate: 1.04%

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

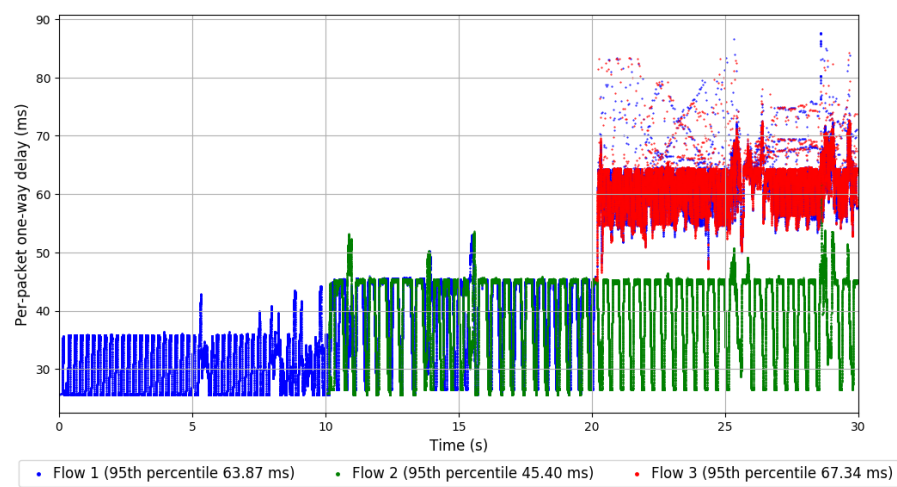
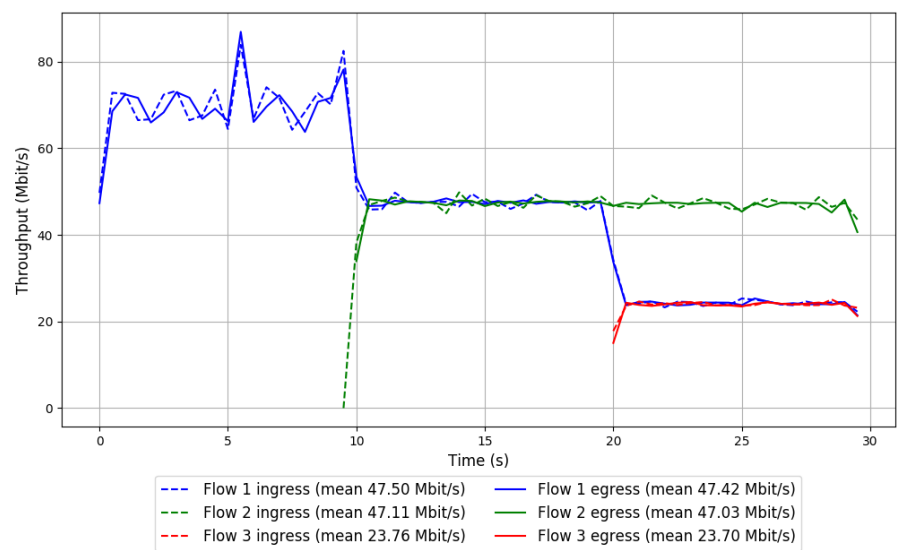


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-03 01:54:18
End at: 2018-02-03 01:54:48
Local clock offset: 0.934 ms
Remote clock offset: -2.161 ms

Below is generated by plot.py at 2018-02-03 06:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 63.974 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 63.867 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 45.399 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 67.337 ms
Loss rate: 1.12%

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

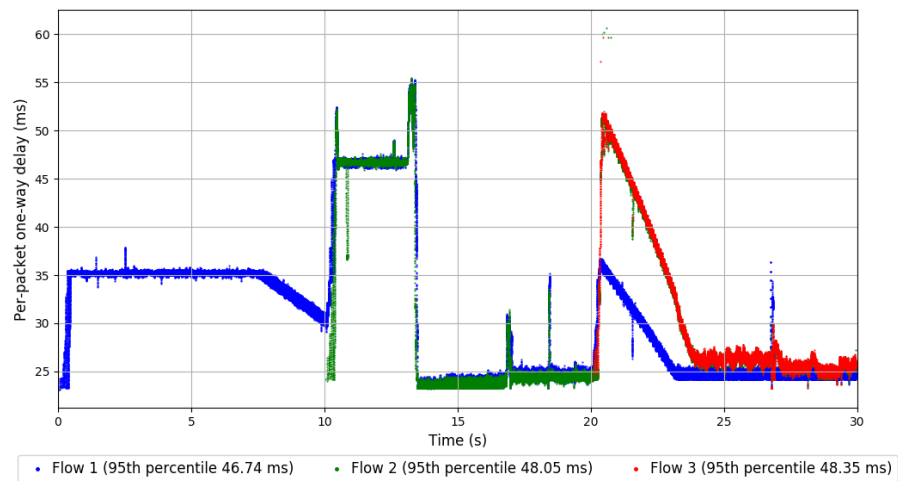
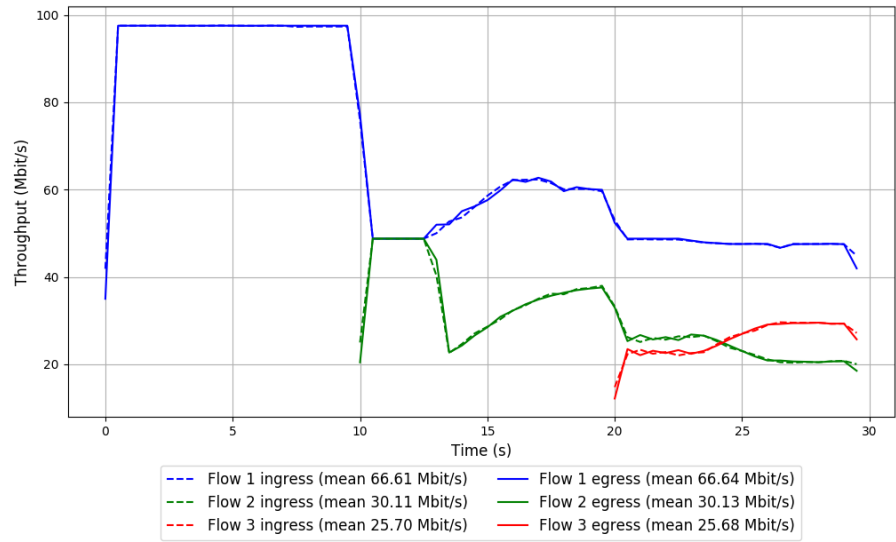


Run 1: Statistics of TCP Vegas

Start at: 2018-02-02 22:21:49
End at: 2018-02-02 22:22:19
Local clock offset: 0.913 ms
Remote clock offset: -3.654 ms

Below is generated by plot.py at 2018-02-03 06:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 46.858 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 46.739 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 48.051 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 25.68 Mbit/s
95th percentile per-packet one-way delay: 48.349 ms
Loss rate: 0.62%

Run 1: Report of TCP Vegas — Data Link

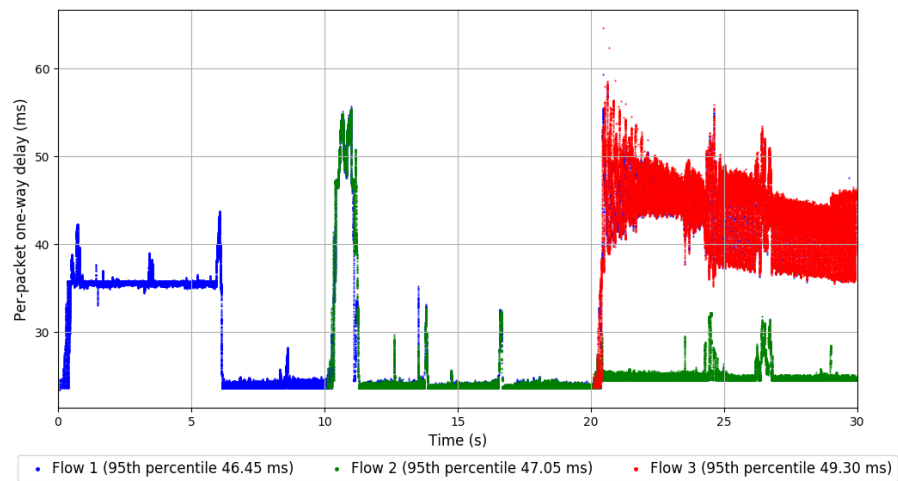
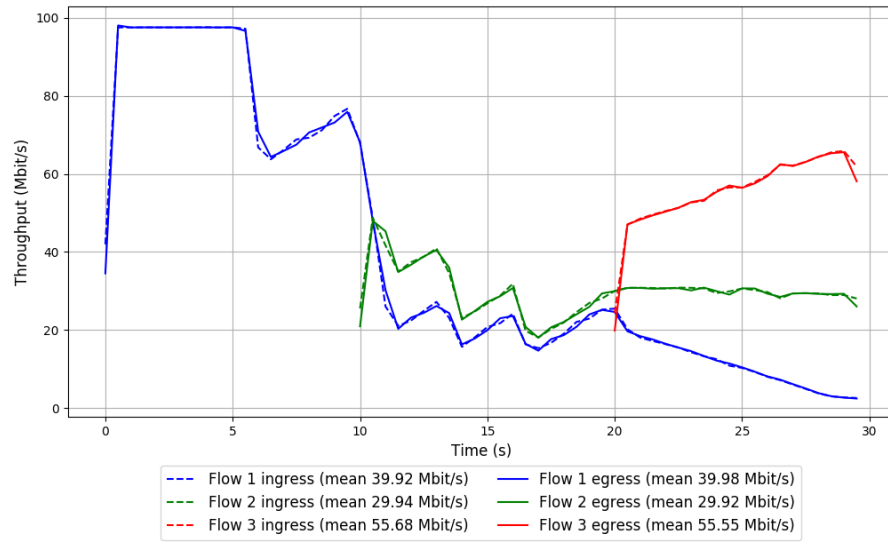


Run 2: Statistics of TCP Vegas

Start at: 2018-02-02 22:46:30
End at: 2018-02-02 22:47:00
Local clock offset: 0.982 ms
Remote clock offset: -2.444 ms

Below is generated by plot.py at 2018-02-03 06:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.25 Mbit/s
95th percentile per-packet one-way delay: 48.003 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 46.451 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 47.045 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 49.300 ms
Loss rate: 0.85%

Run 2: Report of TCP Vegas — Data Link

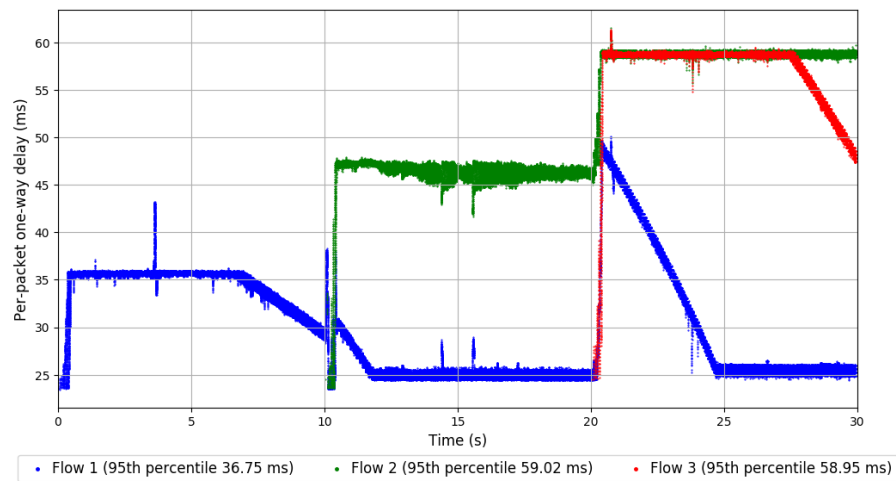
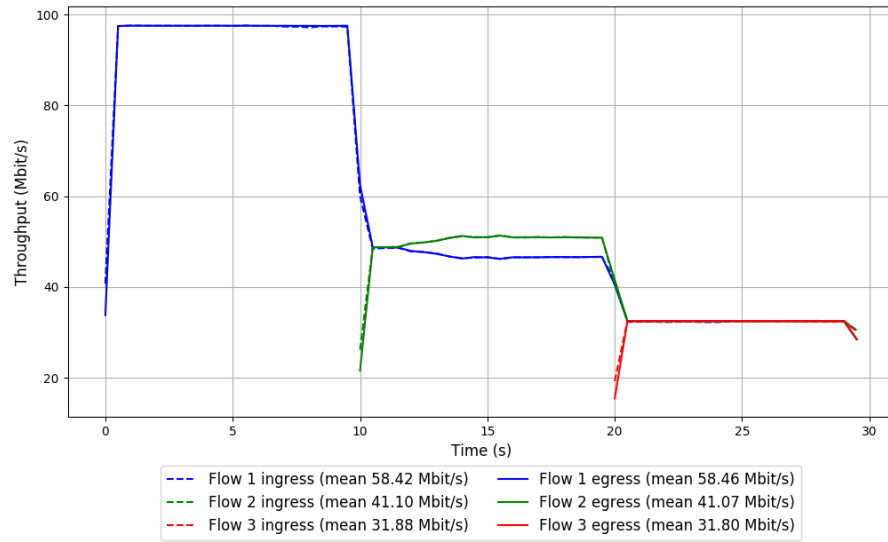


Run 3: Statistics of TCP Vegas

Start at: 2018-02-02 23:11:10
End at: 2018-02-02 23:11:40
Local clock offset: 0.996 ms
Remote clock offset: -0.785 ms

Below is generated by plot.py at 2018-02-03 06:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 58.880 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 36.753 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 41.07 Mbit/s
95th percentile per-packet one-way delay: 59.021 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 58.945 ms
Loss rate: 0.79%

Run 3: Report of TCP Vegas — Data Link

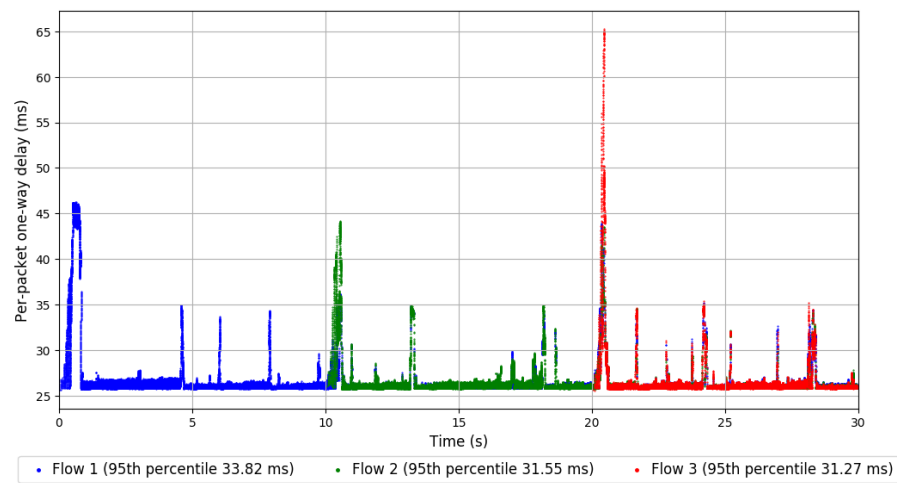
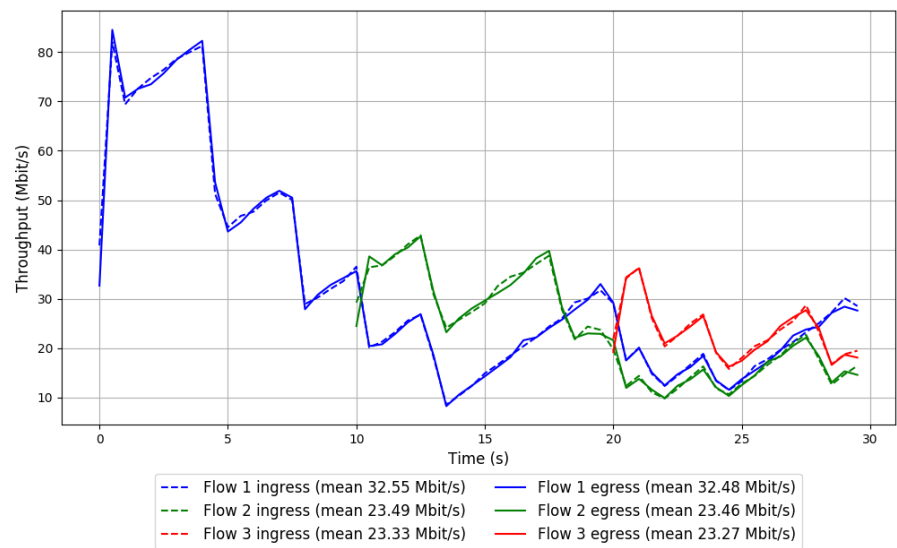


Run 4: Statistics of TCP Vegas

Start at: 2018-02-02 23:35:46
End at: 2018-02-02 23:36:16
Local clock offset: 1.135 ms
Remote clock offset: -1.735 ms

Below is generated by plot.py at 2018-02-03 06:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 32.457 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 33.818 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 31.554 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 31.269 ms
Loss rate: 0.80%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-03 00:00:42

End at: 2018-02-03 00:01:12

Local clock offset: 1.156 ms

Remote clock offset: 1.622 ms

Below is generated by plot.py at 2018-02-03 06:49:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.29 Mbit/s

95th percentile per-packet one-way delay: 41.011 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 19.94 Mbit/s

95th percentile per-packet one-way delay: 35.414 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 16.56 Mbit/s

95th percentile per-packet one-way delay: 41.114 ms

Loss rate: 0.55%

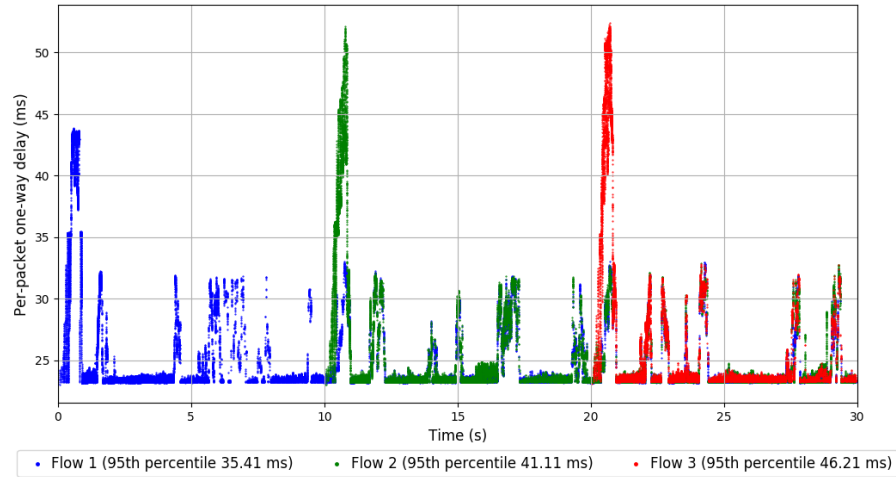
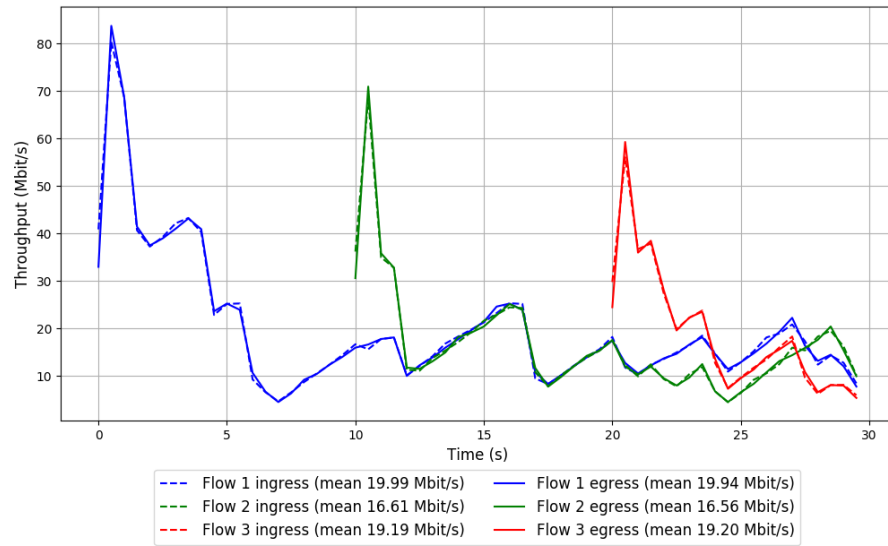
-- Flow 3:

Average throughput: 19.20 Mbit/s

95th percentile per-packet one-way delay: 46.208 ms

Loss rate: 0.48%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-03 00:26:06

End at: 2018-02-03 00:26:36

Local clock offset: 0.766 ms

Remote clock offset: -1.35 ms

Below is generated by plot.py at 2018-02-03 06:49:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 45.040 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 16.83 Mbit/s

95th percentile per-packet one-way delay: 37.631 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 41.477 ms

Loss rate: 0.42%

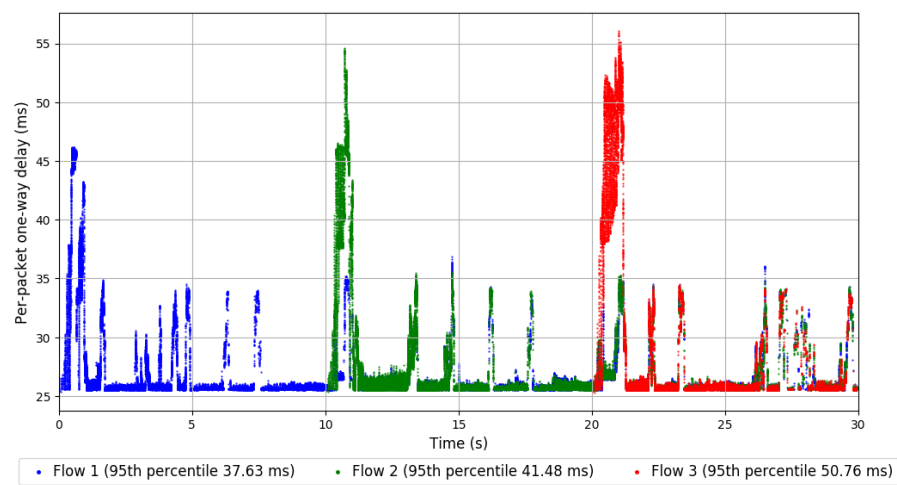
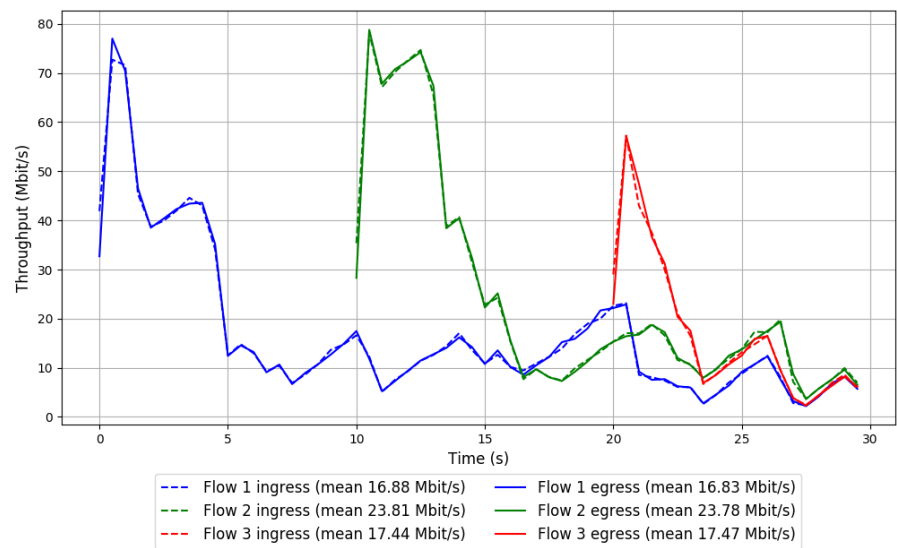
-- Flow 3:

Average throughput: 17.47 Mbit/s

95th percentile per-packet one-way delay: 50.756 ms

Loss rate: 0.40%

Run 6: Report of TCP Vegas — Data Link

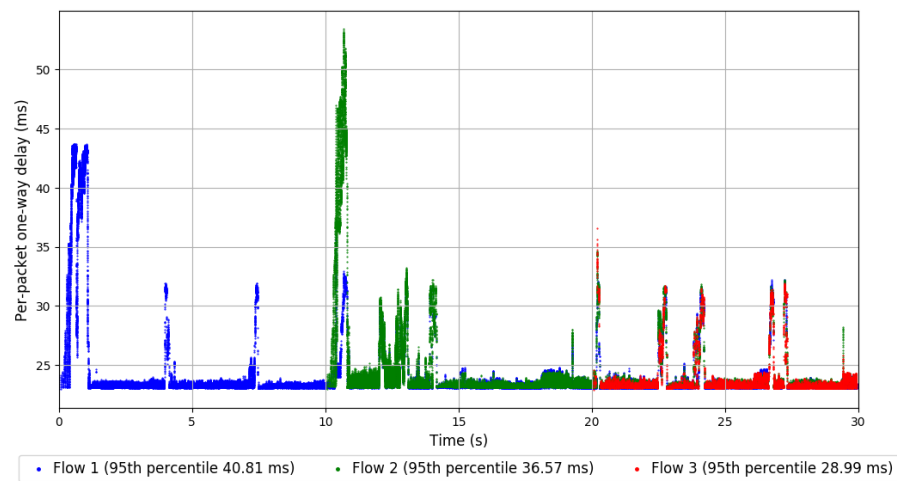
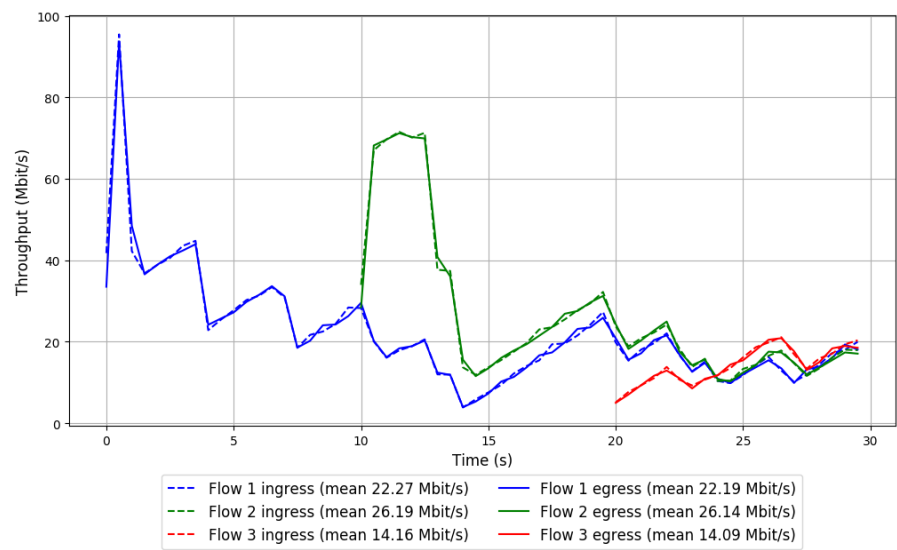


Run 7: Statistics of TCP Vegas

Start at: 2018-02-03 00:50:51
End at: 2018-02-03 00:51:21
Local clock offset: 0.816 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2018-02-03 06:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.24 Mbit/s
95th percentile per-packet one-way delay: 39.474 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 22.19 Mbit/s
95th percentile per-packet one-way delay: 40.814 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 26.14 Mbit/s
95th percentile per-packet one-way delay: 36.570 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 28.993 ms
Loss rate: 0.99%

Run 7: Report of TCP Vegas — Data Link

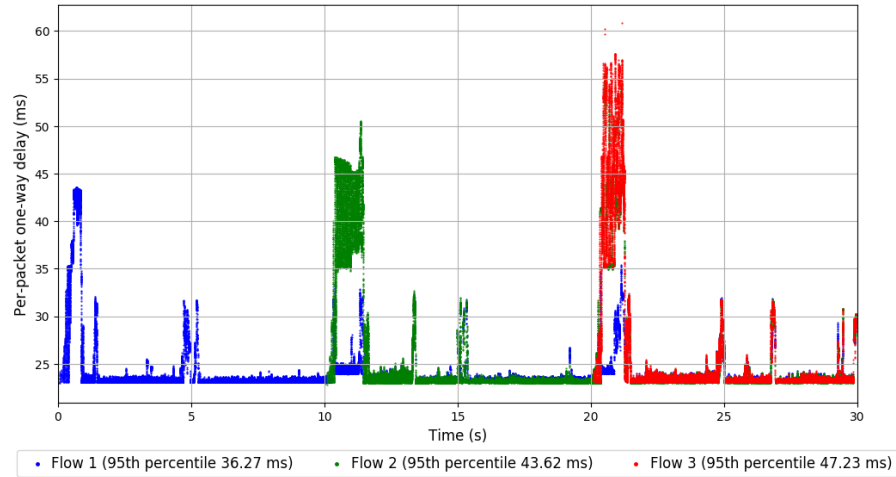
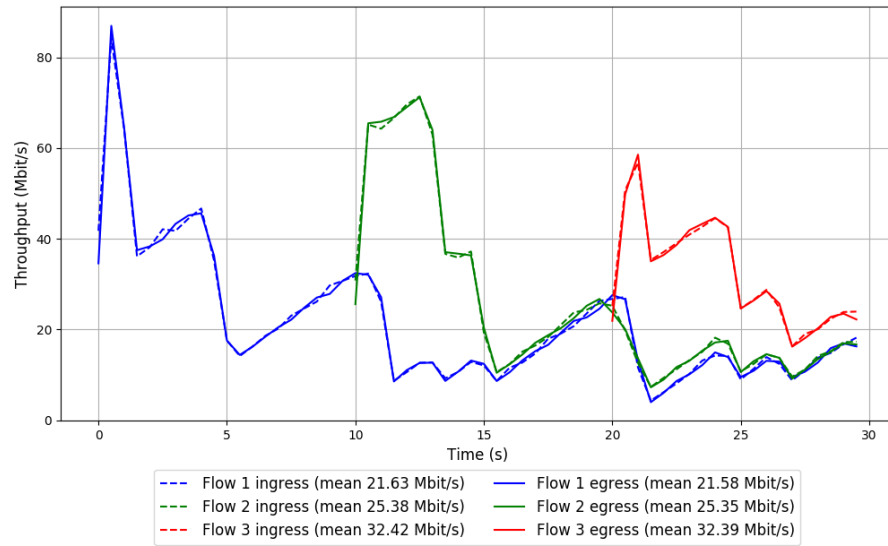


Run 8: Statistics of TCP Vegas

Start at: 2018-02-03 01:15:51
End at: 2018-02-03 01:16:21
Local clock offset: 1.114 ms
Remote clock offset: -1.397 ms

Below is generated by plot.py at 2018-02-03 06:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 42.765 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 36.267 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 43.622 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 47.230 ms
Loss rate: 0.62%

Run 8: Report of TCP Vegas — Data Link

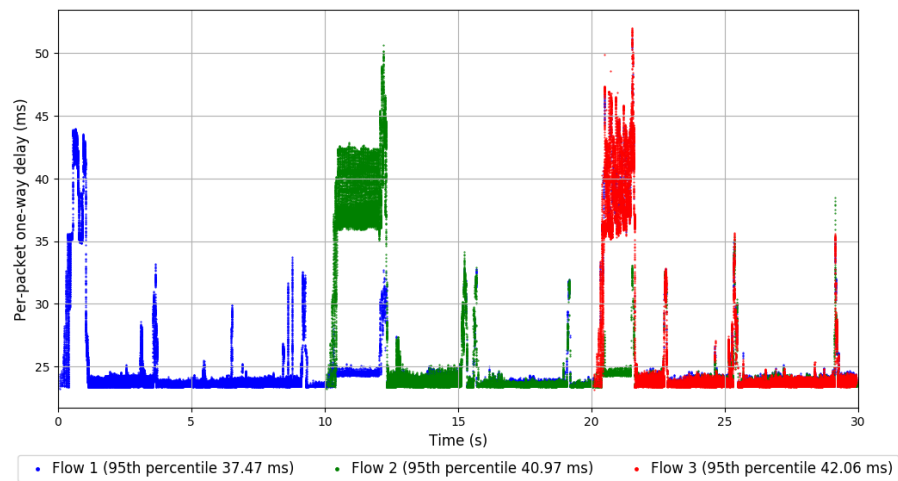
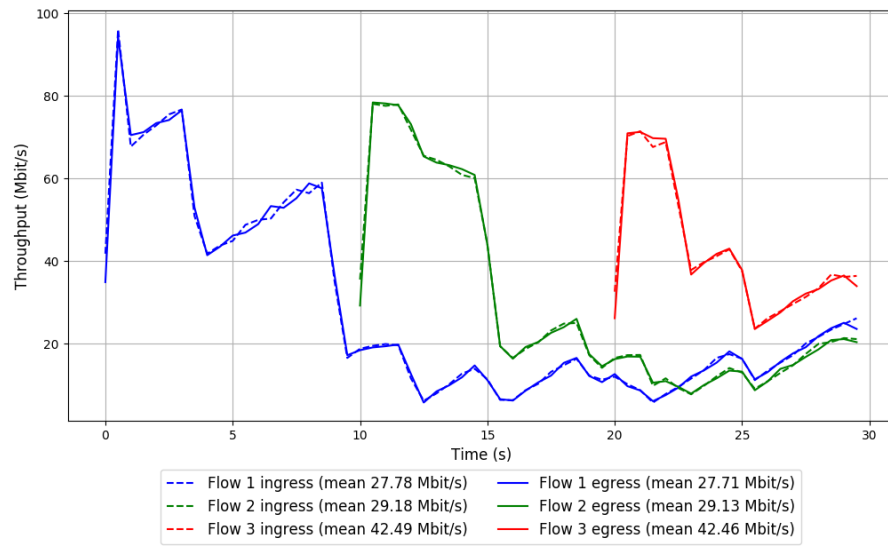


Run 9: Statistics of TCP Vegas

Start at: 2018-02-03 01:40:30
End at: 2018-02-03 01:41:00
Local clock offset: 0.937 ms
Remote clock offset: -0.791 ms

Below is generated by plot.py at 2018-02-03 06:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 40.872 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 27.71 Mbit/s
95th percentile per-packet one-way delay: 37.465 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 29.13 Mbit/s
95th percentile per-packet one-way delay: 40.967 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 42.057 ms
Loss rate: 0.62%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-02-03 02:05:34

End at: 2018-02-03 02:06:04

Local clock offset: 1.02 ms

Remote clock offset: 0.649 ms

Below is generated by plot.py at 2018-02-03 06:49:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.96 Mbit/s

95th percentile per-packet one-way delay: 40.777 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 35.366 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 36.79 Mbit/s

95th percentile per-packet one-way delay: 47.181 ms

Loss rate: 0.21%

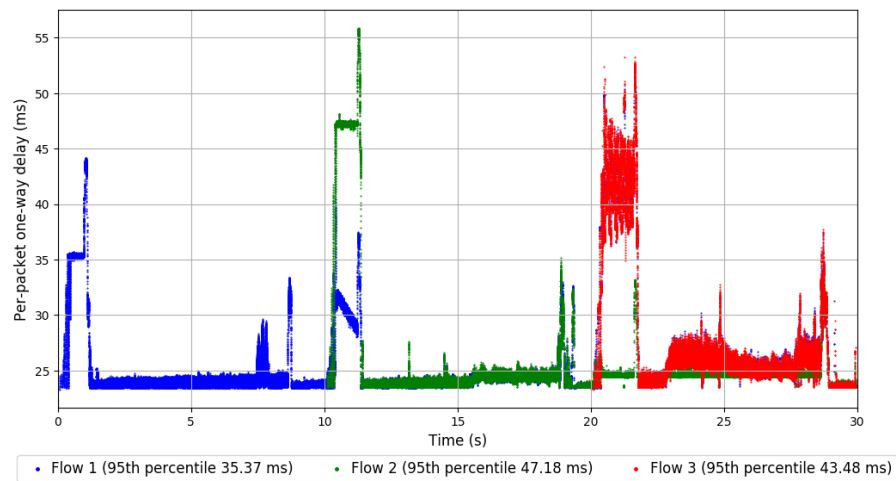
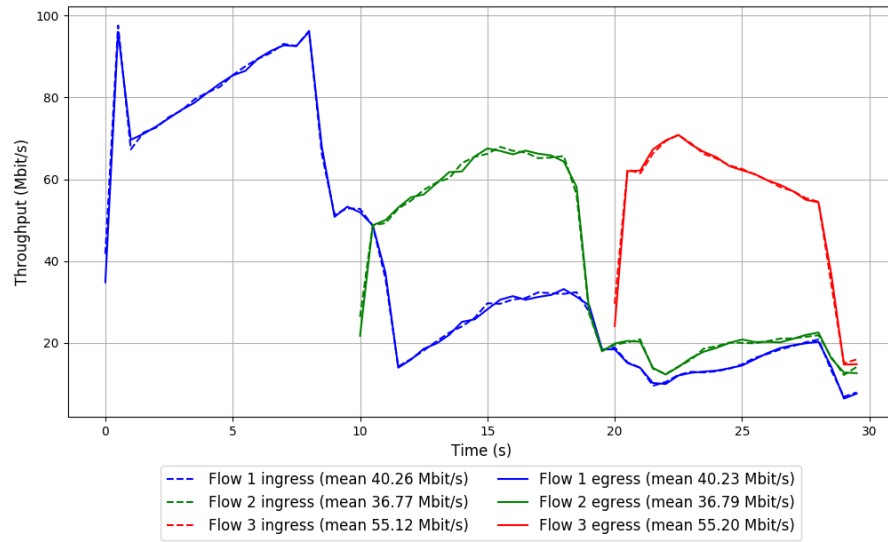
-- Flow 3:

Average throughput: 55.20 Mbit/s

95th percentile per-packet one-way delay: 43.475 ms

Loss rate: 0.27%

Run 10: Report of TCP Vegas — Data Link

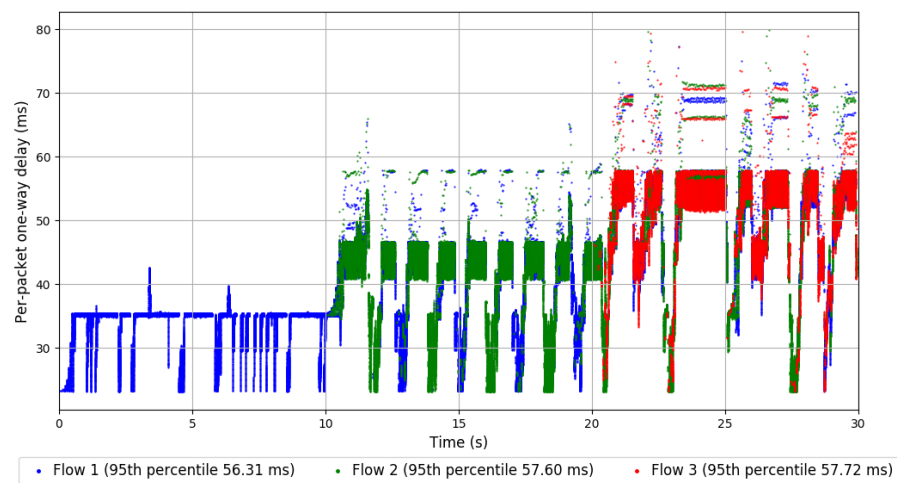
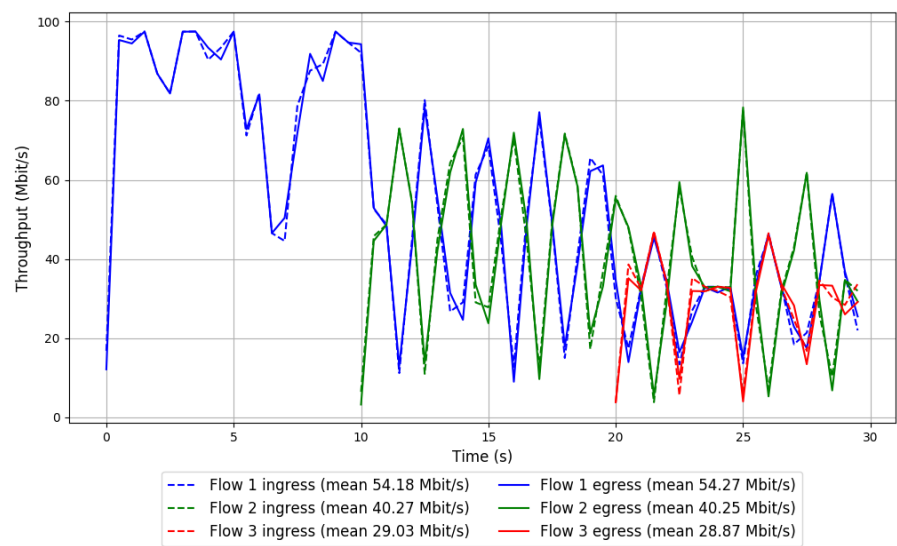


Run 1: Statistics of Verus

Start at: 2018-02-02 22:17:44
End at: 2018-02-02 22:18:14
Local clock offset: 0.908 ms
Remote clock offset: -3.873 ms

Below is generated by plot.py at 2018-02-03 06:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 57.538 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 56.314 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 57.598 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 57.724 ms
Loss rate: 1.49%

Run 1: Report of Verus — Data Link

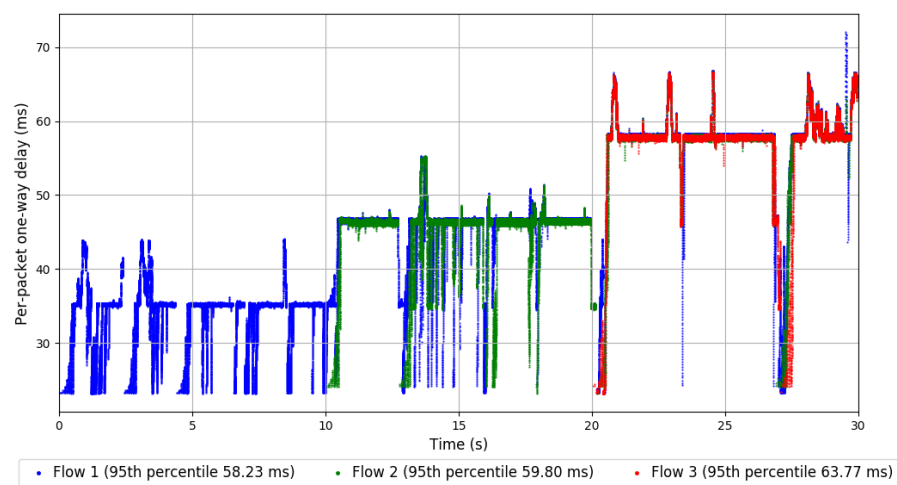
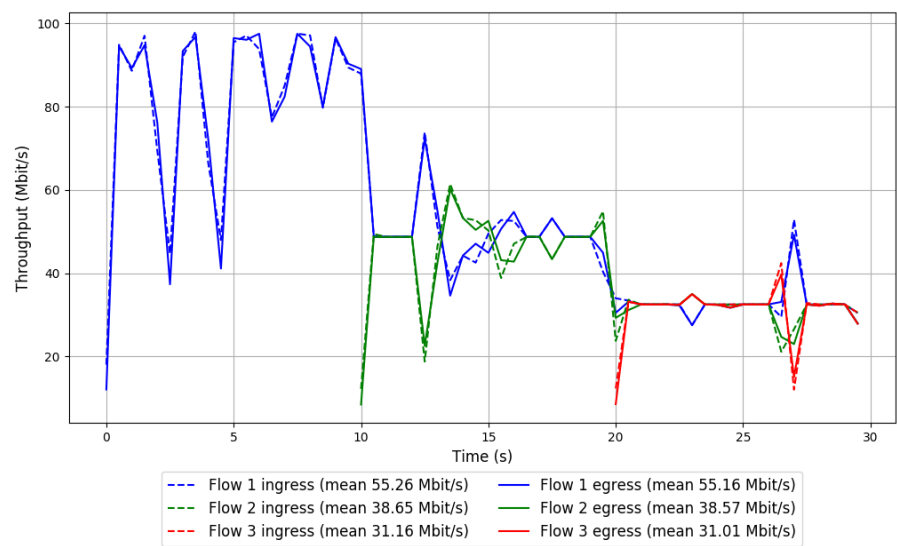


Run 2: Statistics of Verus

Start at: 2018-02-02 22:42:23
End at: 2018-02-02 22:42:53
Local clock offset: 1.092 ms
Remote clock offset: -2.246 ms

Below is generated by plot.py at 2018-02-03 06:50:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 59.220 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 58.232 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 59.800 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 63.772 ms
Loss rate: 1.20%

Run 2: Report of Verus — Data Link

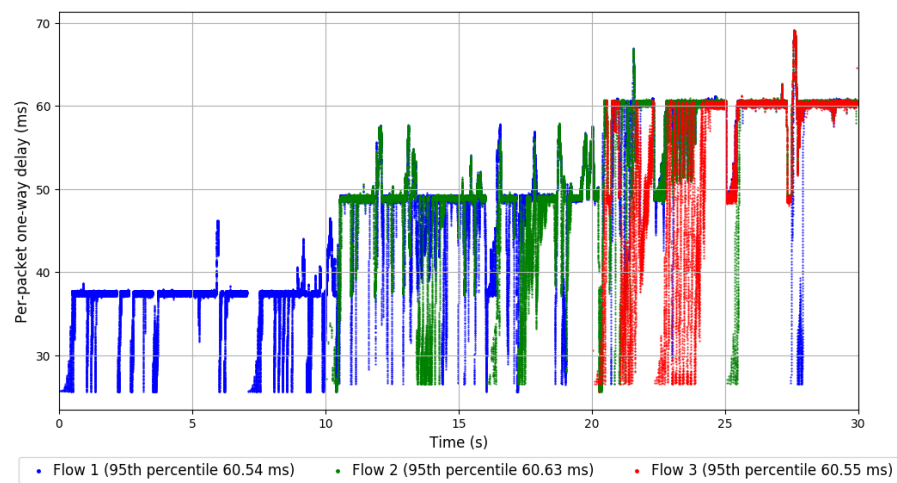
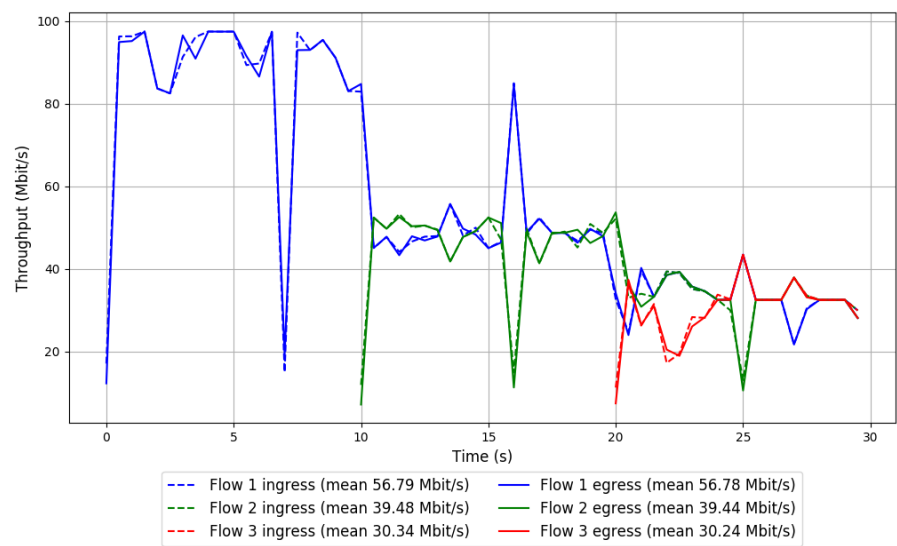


Run 3: Statistics of Verus

Start at: 2018-02-02 23:07:05
End at: 2018-02-02 23:07:35
Local clock offset: 0.99 ms
Remote clock offset: -2.937 ms

Below is generated by plot.py at 2018-02-03 06:50:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 60.580 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 60.537 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 60.627 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 60.550 ms
Loss rate: 1.01%

Run 3: Report of Verus — Data Link

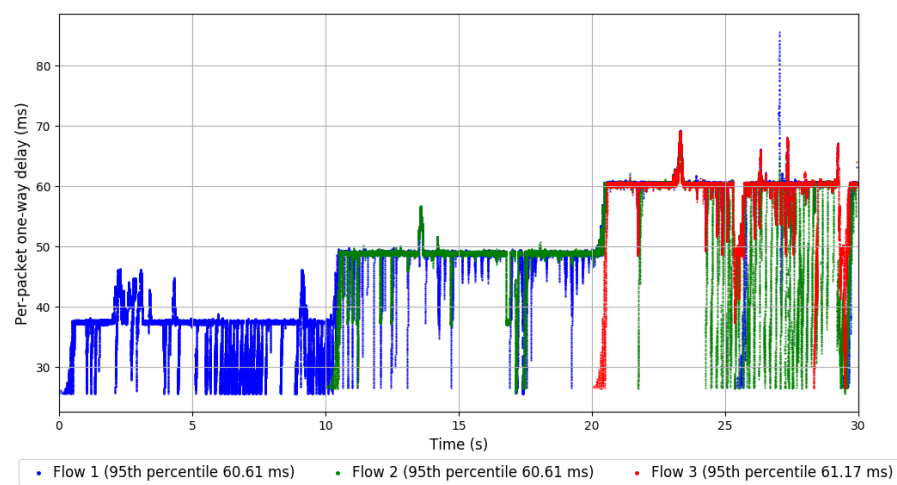
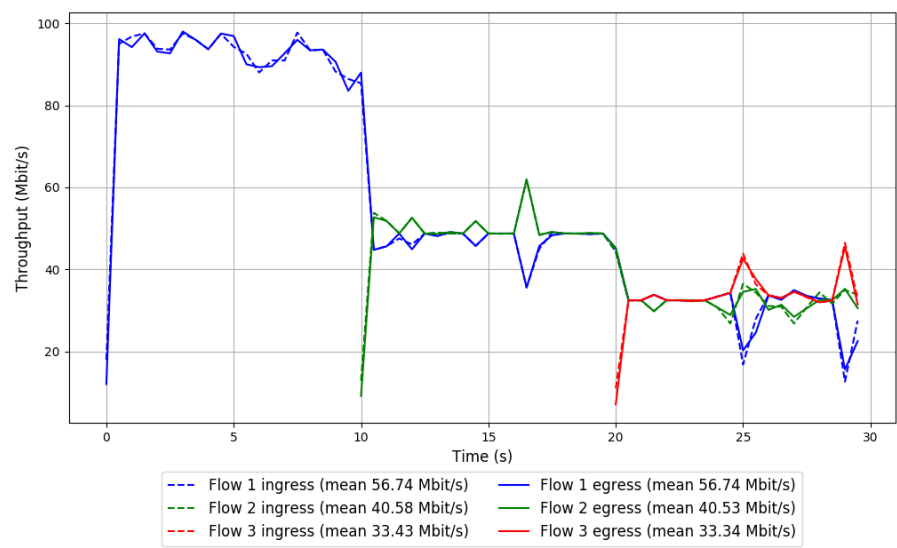


Run 4: Statistics of Verus

Start at: 2018-02-02 23:31:41
End at: 2018-02-02 23:32:11
Local clock offset: 1.058 ms
Remote clock offset: -1.924 ms

Below is generated by plot.py at 2018-02-03 06:50:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 60.628 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 60.608 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 60.614 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 61.171 ms
Loss rate: 0.97%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-02 23:56:31

End at: 2018-02-02 23:57:01

Local clock offset: 1.081 ms

Remote clock offset: 1.69 ms

Below is generated by plot.py at 2018-02-03 06:50:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.71 Mbit/s

95th percentile per-packet one-way delay: 62.225 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 51.17 Mbit/s

95th percentile per-packet one-way delay: 57.975 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 42.93 Mbit/s

95th percentile per-packet one-way delay: 62.956 ms

Loss rate: 0.69%

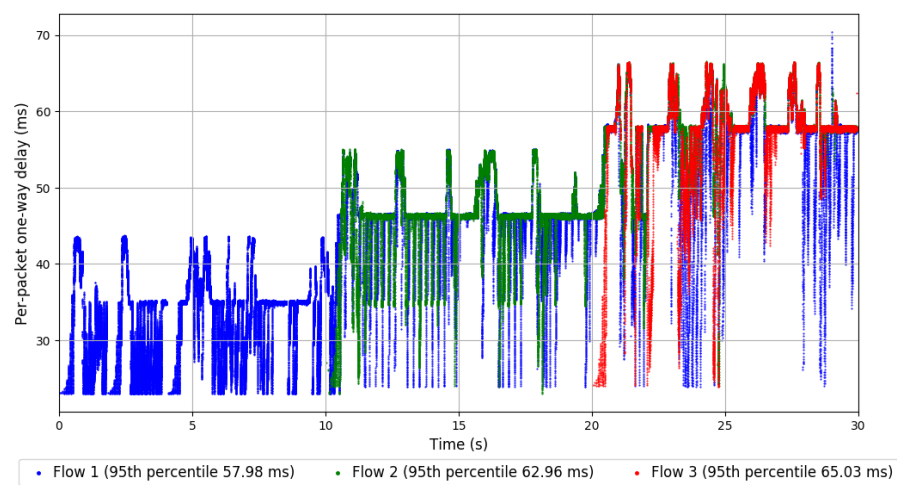
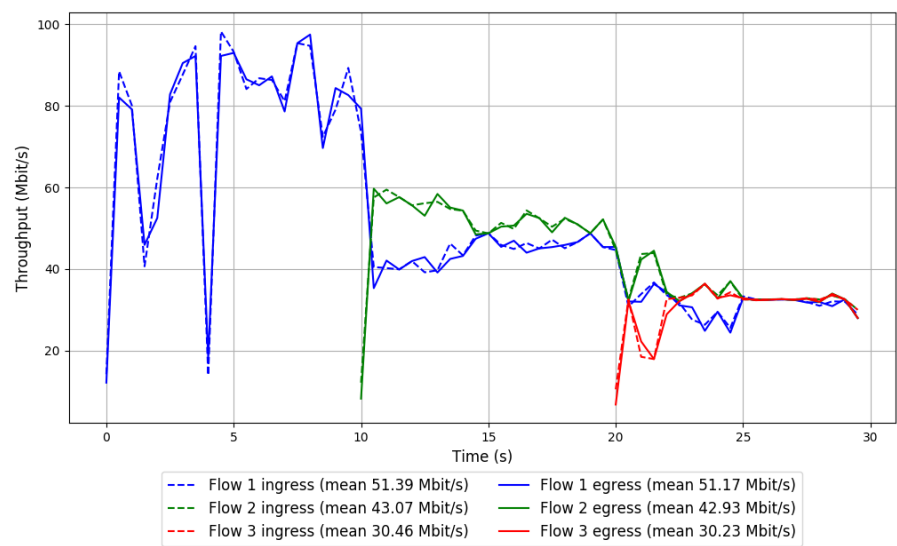
-- Flow 3:

Average throughput: 30.23 Mbit/s

95th percentile per-packet one-way delay: 65.035 ms

Loss rate: 1.25%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

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

End at: 2018-02-03 00:22:30

Local clock offset: 0.855 ms

Remote clock offset: 0.876 ms

Below is generated by plot.py at 2018-02-03 06:51:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 59.720 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 53.32 Mbit/s

95th percentile per-packet one-way delay: 58.522 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 41.60 Mbit/s

95th percentile per-packet one-way delay: 60.043 ms

Loss rate: 0.67%

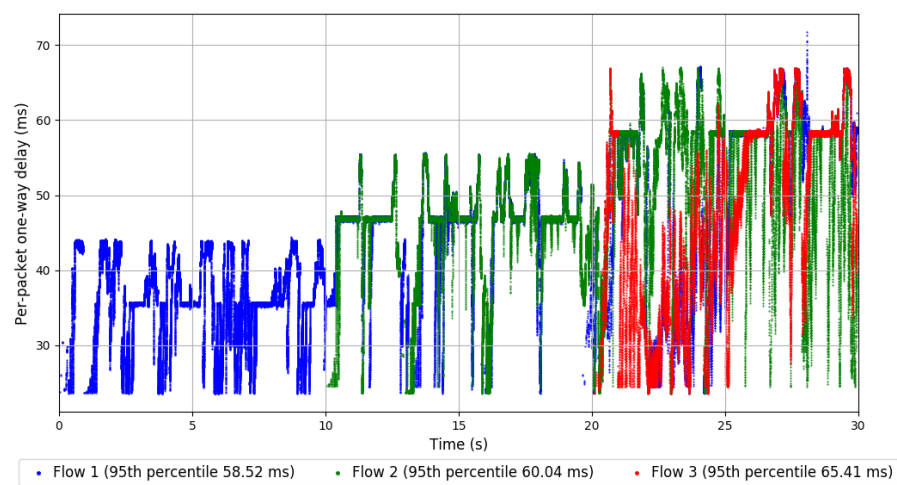
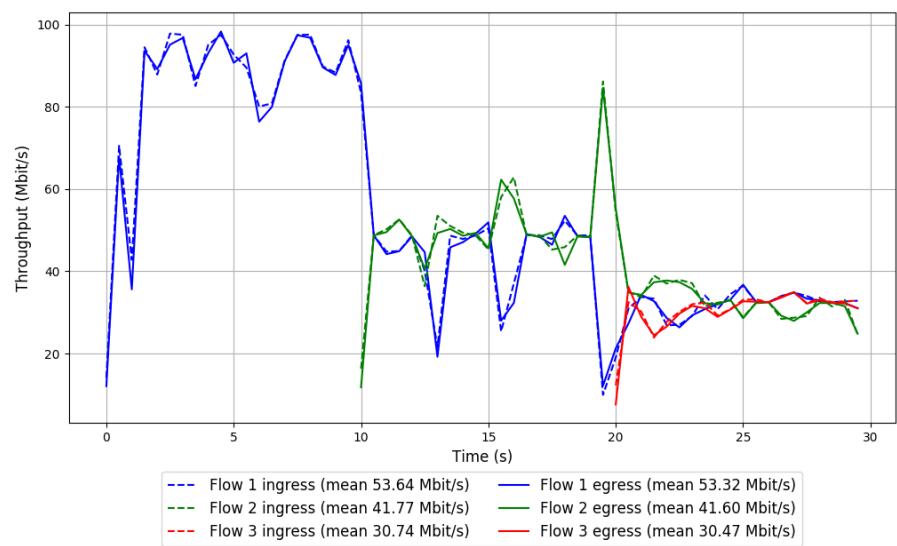
-- Flow 3:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 65.409 ms

Loss rate: 1.59%

Run 6: Report of Verus — Data Link

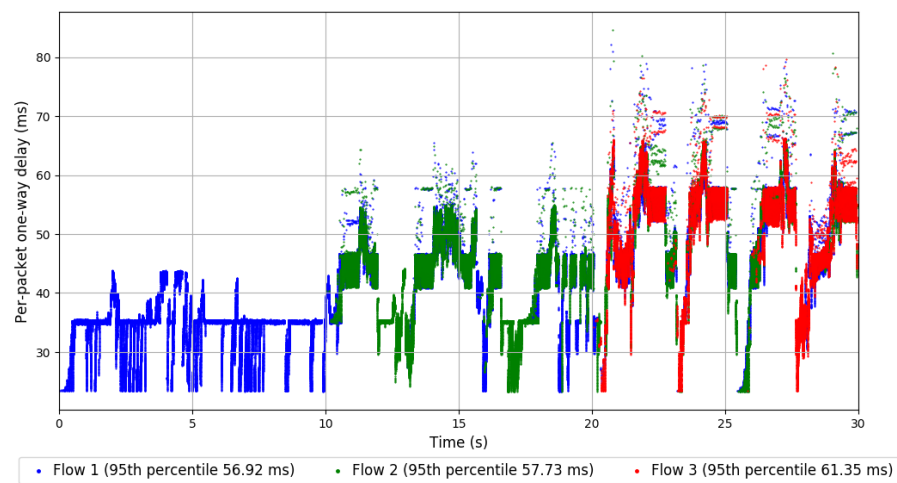
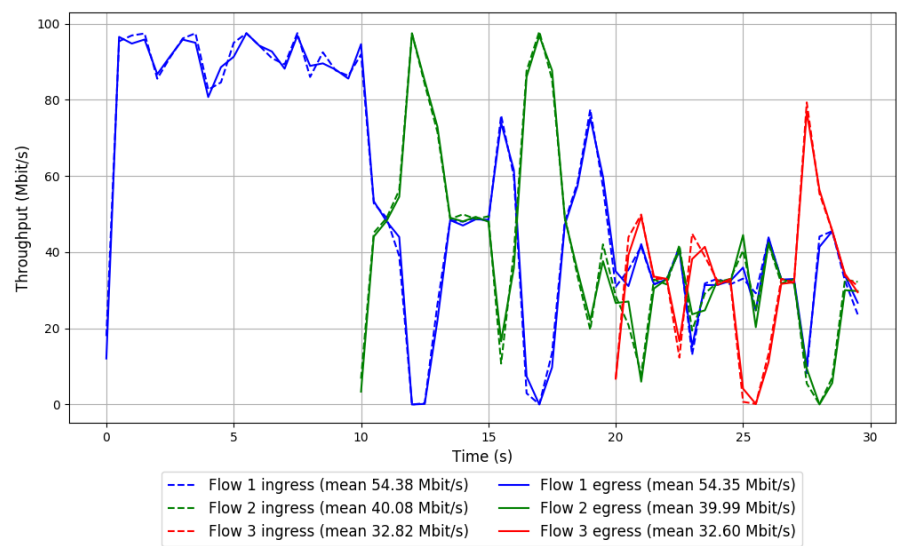


Run 7: Statistics of Verus

Start at: 2018-02-03 00:46:41
End at: 2018-02-03 00:47:11
Local clock offset: 0.731 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-02-03 06:51:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.65 Mbit/s
95th percentile per-packet one-way delay: 57.698 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 56.917 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 57.730 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 61.347 ms
Loss rate: 1.10%

Run 7: Report of Verus — Data Link

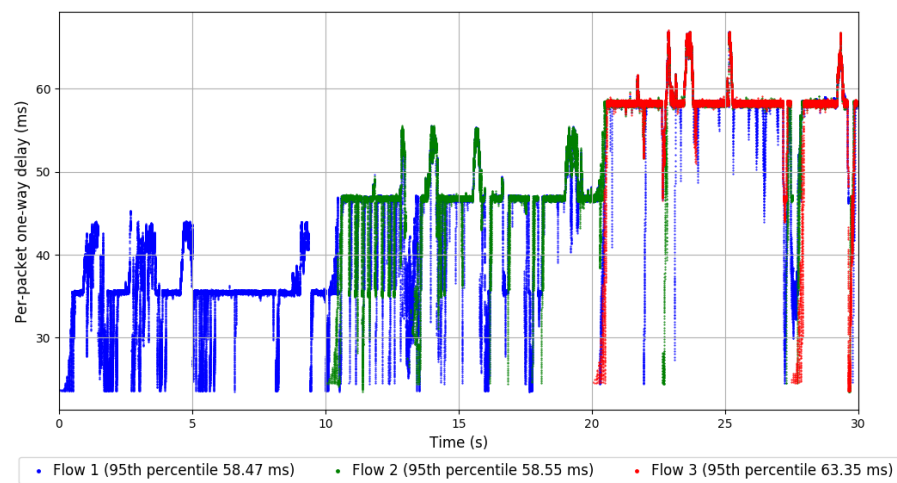
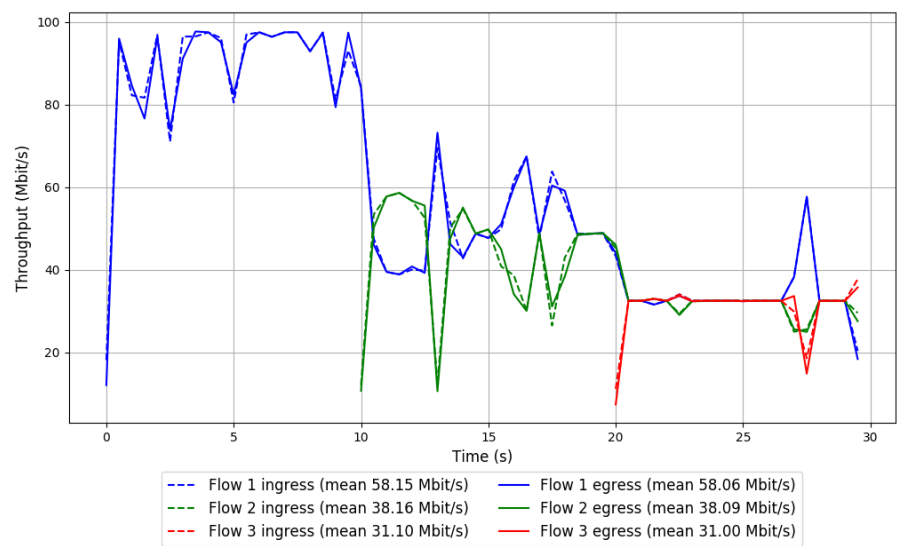


Run 8: Statistics of Verus

Start at: 2018-02-03 01:11:43
End at: 2018-02-03 01:12:13
Local clock offset: 1.061 ms
Remote clock offset: -1.877 ms

Below is generated by plot.py at 2018-02-03 06:51:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 58.537 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 58.466 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.09 Mbit/s
95th percentile per-packet one-way delay: 58.555 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 63.347 ms
Loss rate: 1.03%

Run 8: Report of Verus — Data Link

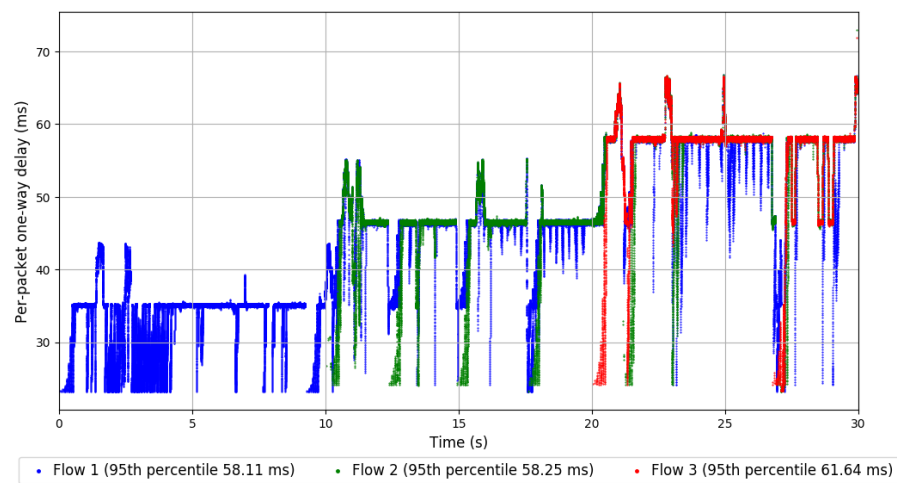
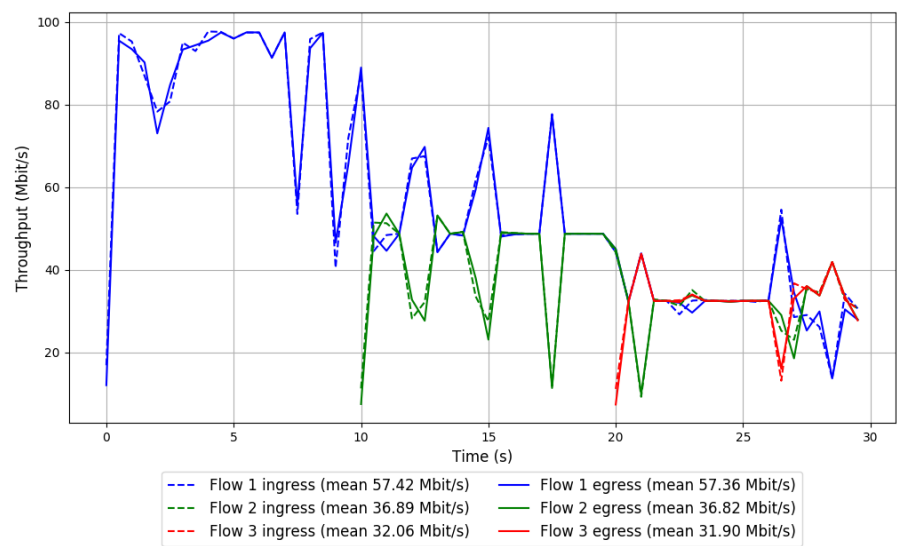


Run 9: Statistics of Verus

Start at: 2018-02-03 01:36:23
End at: 2018-02-03 01:36:53
Local clock offset: 1.095 ms
Remote clock offset: -0.828 ms

Below is generated by plot.py at 2018-02-03 06:51:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 58.234 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 58.106 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 58.252 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 61.639 ms
Loss rate: 1.15%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-03 02:01:20

End at: 2018-02-03 02:01:50

Local clock offset: 0.948 ms

Remote clock offset: 0.699 ms

Below is generated by plot.py at 2018-02-03 06:51:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 65.608 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 62.782 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 51.084 ms

Loss rate: 0.94%

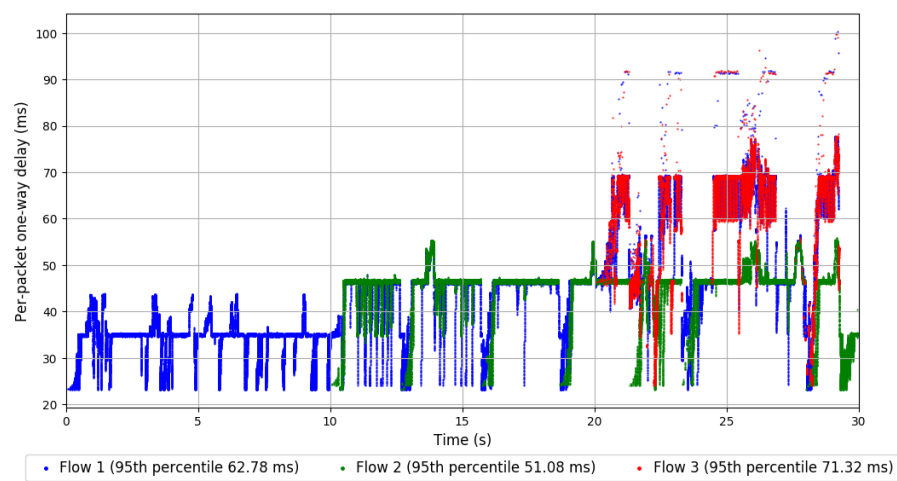
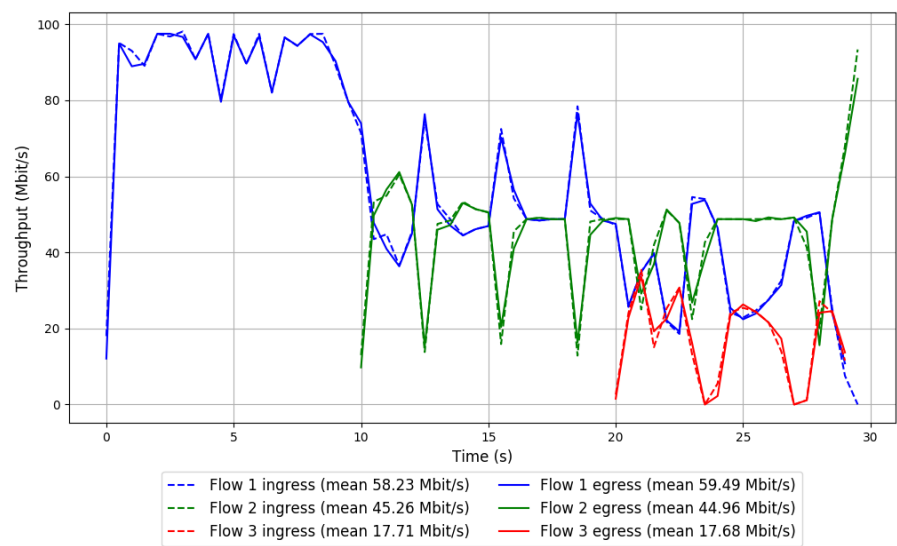
-- Flow 3:

Average throughput: 17.68 Mbit/s

95th percentile per-packet one-way delay: 71.316 ms

Loss rate: 0.17%

Run 10: Report of Verus — Data Link

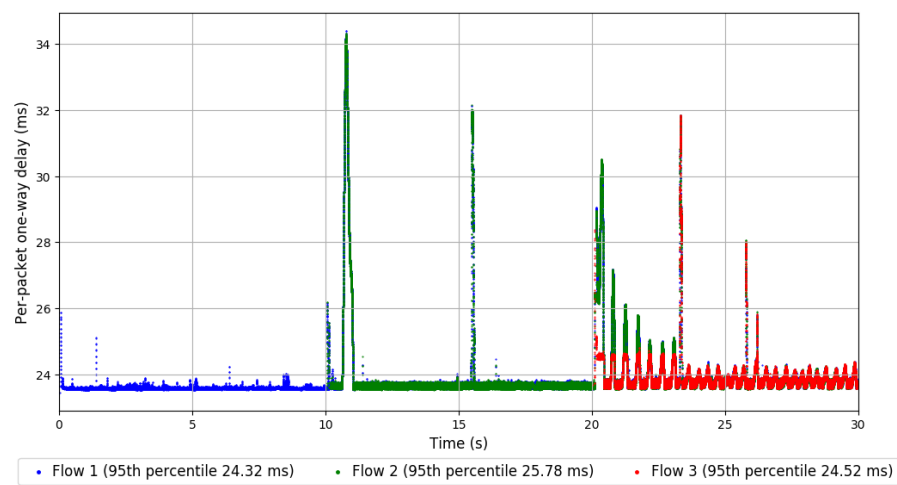
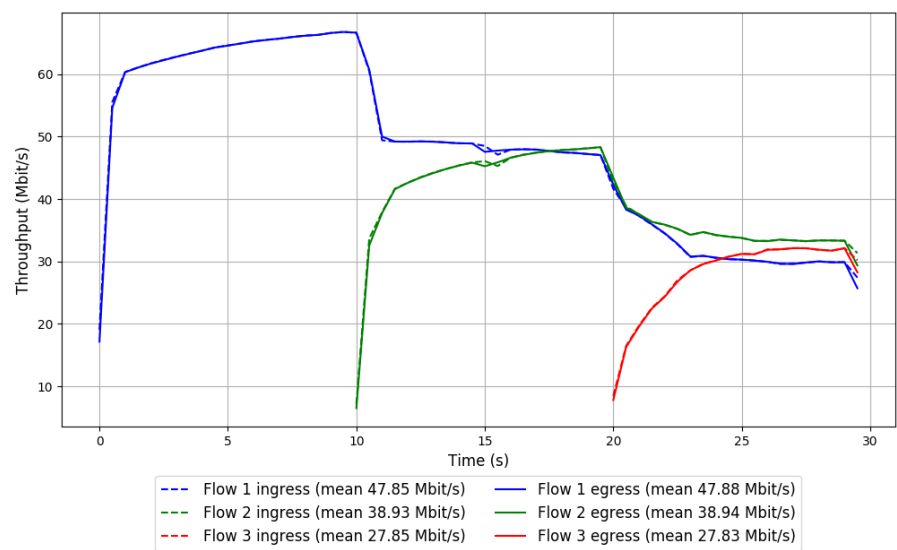


Run 1: Statistics of Copa

Start at: 2018-02-02 22:28:37
End at: 2018-02-02 22:29:07
Local clock offset: 0.963 ms
Remote clock offset: -3.481 ms

Below is generated by plot.py at 2018-02-03 06:52:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 24.632 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 24.319 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 25.781 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 24.523 ms
Loss rate: 0.63%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-02 22:53:19

End at: 2018-02-02 22:53:49

Local clock offset: 0.978 ms

Remote clock offset: -1.72 ms

Below is generated by plot.py at 2018-02-03 06:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.12 Mbit/s

95th percentile per-packet one-way delay: 24.559 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 50.11 Mbit/s

95th percentile per-packet one-way delay: 24.484 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.58 Mbit/s

95th percentile per-packet one-way delay: 25.469 ms

Loss rate: 0.22%

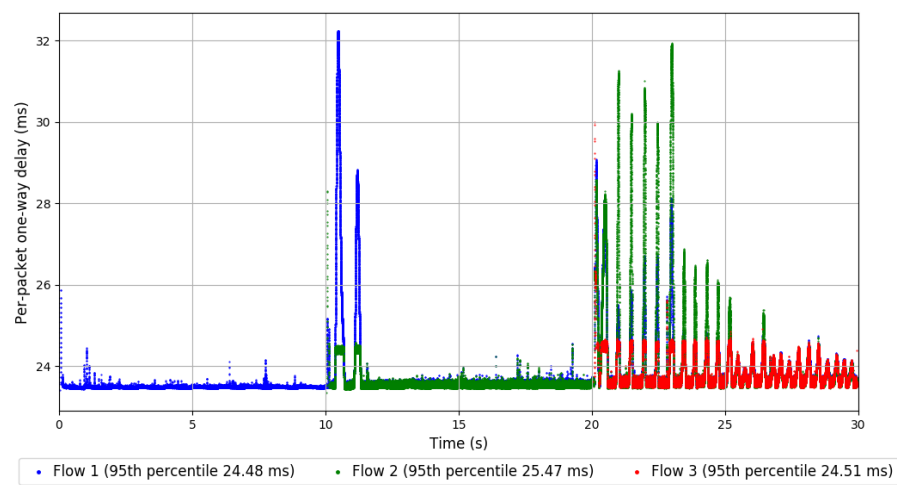
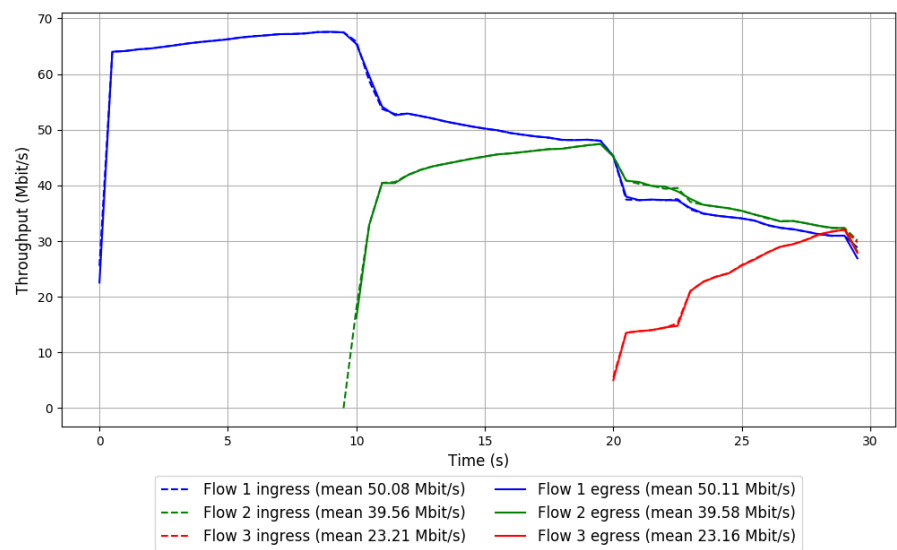
-- Flow 3:

Average throughput: 23.16 Mbit/s

95th percentile per-packet one-way delay: 24.512 ms

Loss rate: 0.75%

Run 2: Report of Copa — Data Link

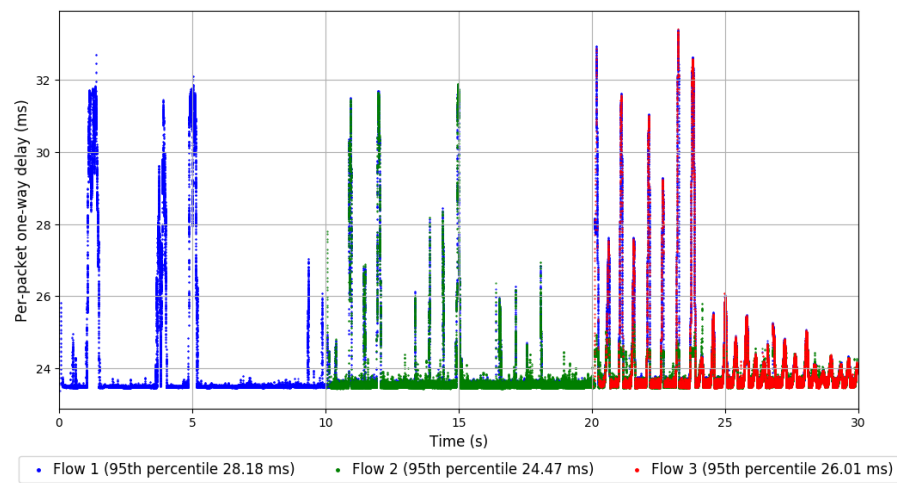
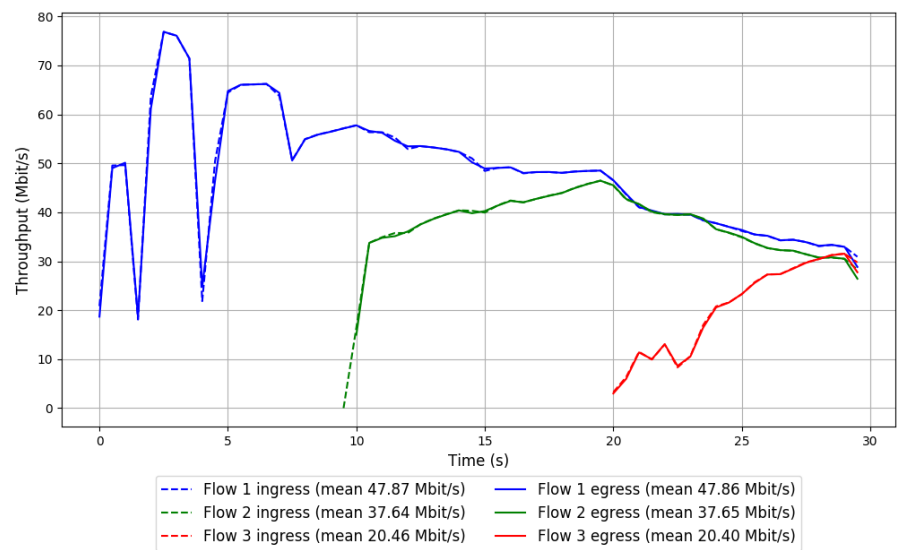


Run 3: Statistics of Copa

Start at: 2018-02-02 23:17:57
End at: 2018-02-02 23:18:27
Local clock offset: 1.034 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-02-03 06:52:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.67 Mbit/s
95th percentile per-packet one-way delay: 26.631 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 28.184 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 24.467 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 26.014 ms
Loss rate: 0.86%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-02 23:42:30

End at: 2018-02-02 23:43:00

Local clock offset: 1.156 ms

Remote clock offset: 1.026 ms

Below is generated by plot.py at 2018-02-03 06:53:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.62 Mbit/s

95th percentile per-packet one-way delay: 29.290 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 47.70 Mbit/s

95th percentile per-packet one-way delay: 28.553 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 32.61 Mbit/s

95th percentile per-packet one-way delay: 29.841 ms

Loss rate: 0.45%

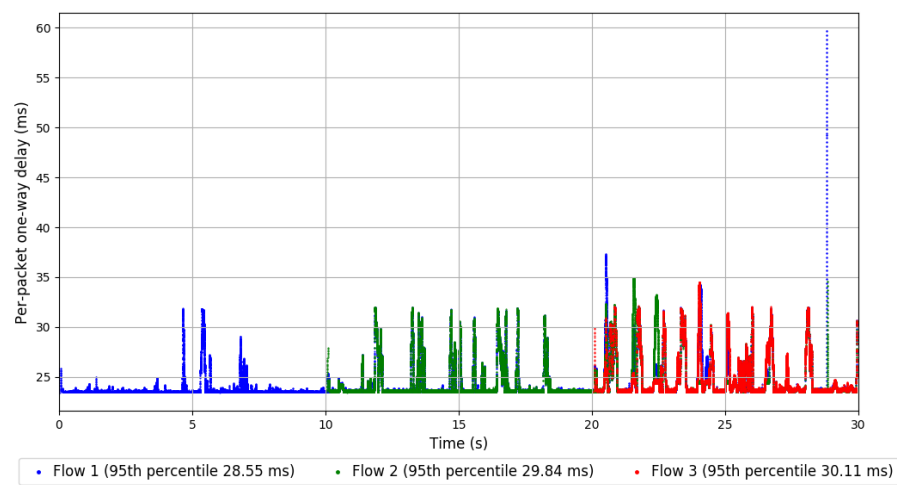
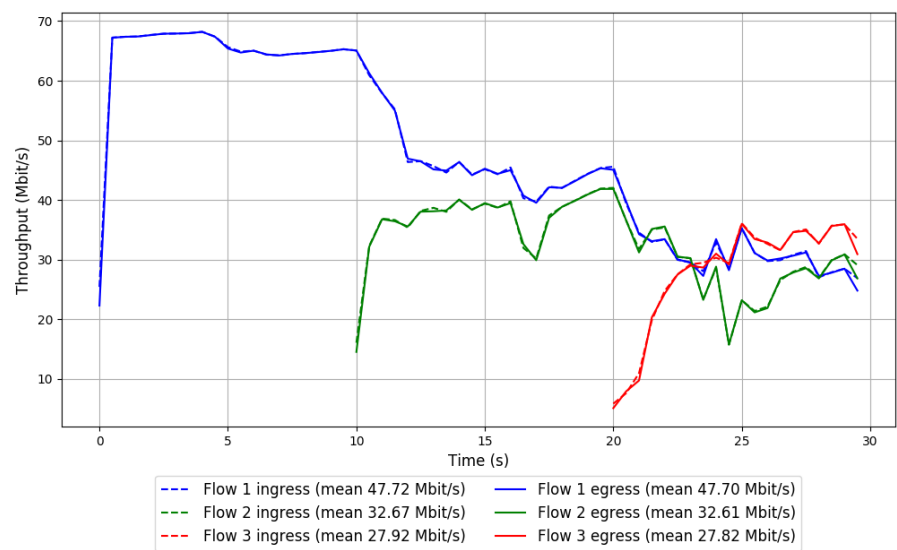
-- Flow 3:

Average throughput: 27.82 Mbit/s

95th percentile per-packet one-way delay: 30.113 ms

Loss rate: 0.92%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-03 00:07:42

End at: 2018-02-03 00:08:12

Local clock offset: 1.096 ms

Remote clock offset: 1.163 ms

Below is generated by plot.py at 2018-02-03 06:53:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.80 Mbit/s

95th percentile per-packet one-way delay: 31.649 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 38.13 Mbit/s

95th percentile per-packet one-way delay: 31.508 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 30.21 Mbit/s

95th percentile per-packet one-way delay: 31.813 ms

Loss rate: 0.71%

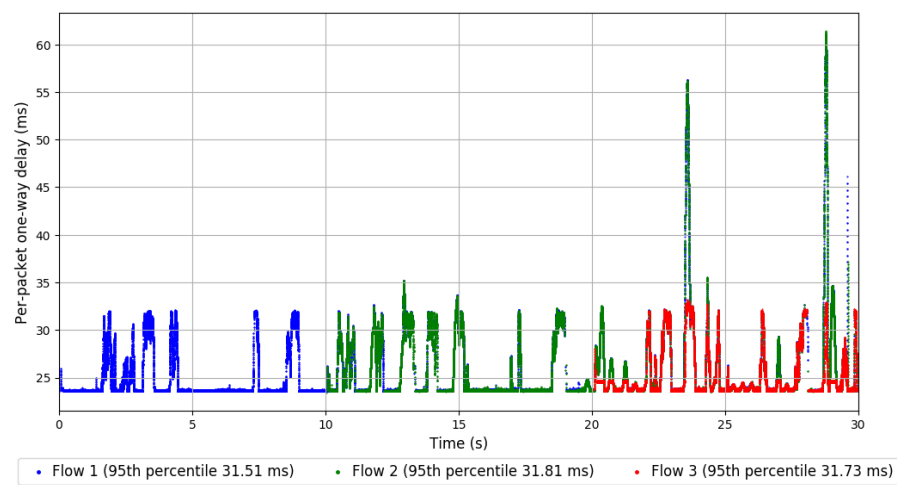
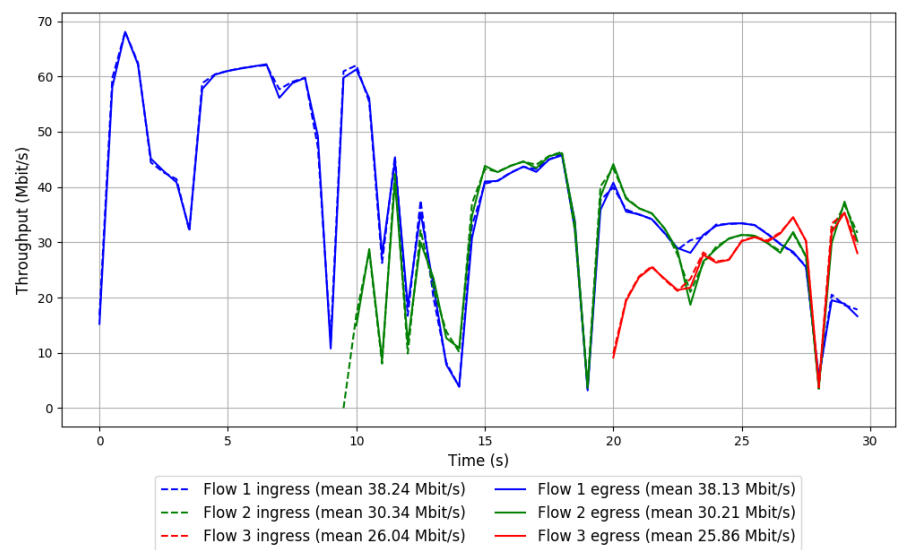
-- Flow 3:

Average throughput: 25.86 Mbit/s

95th percentile per-packet one-way delay: 31.730 ms

Loss rate: 1.22%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-02-03 00:32:52

End at: 2018-02-03 00:33:22

Local clock offset: 0.734 ms

Remote clock offset: 0.379 ms

Below is generated by plot.py at 2018-02-03 06:53:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.16 Mbit/s

95th percentile per-packet one-way delay: 31.293 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 40.45 Mbit/s

95th percentile per-packet one-way delay: 31.168 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 31.511 ms

Loss rate: 0.58%

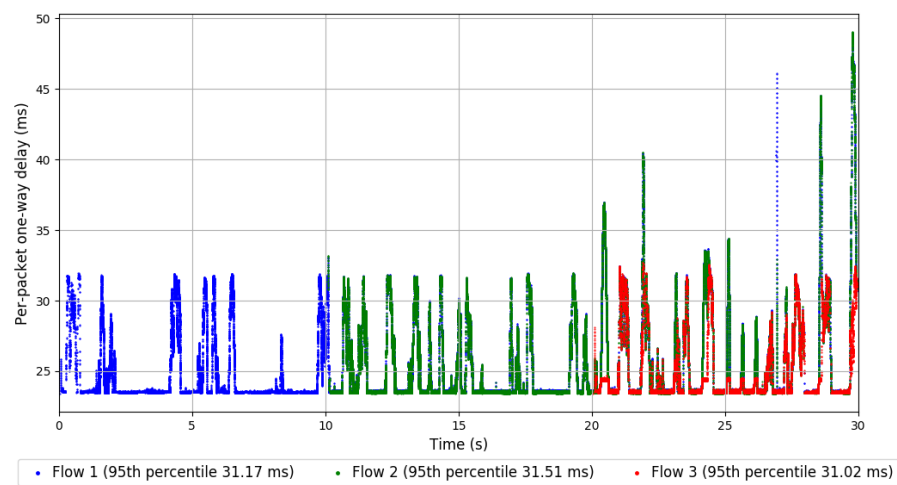
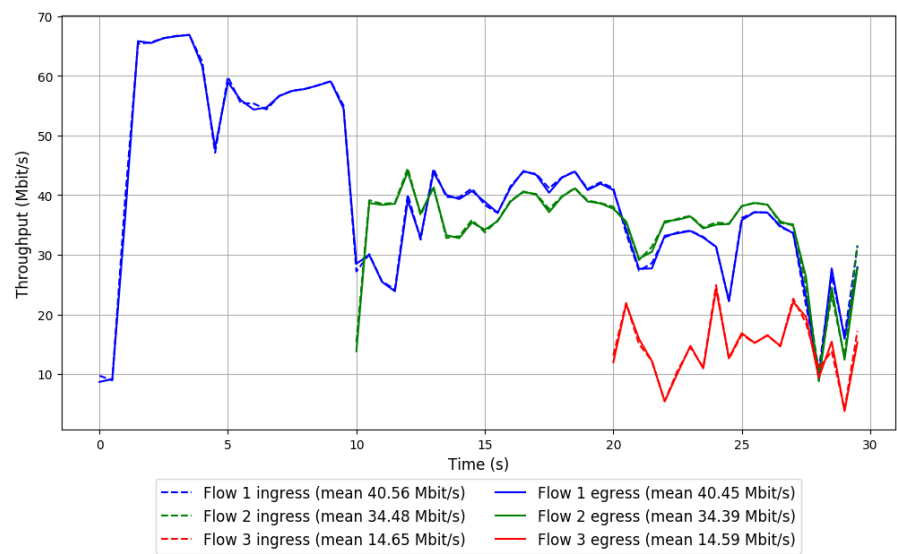
-- Flow 3:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 31.019 ms

Loss rate: 0.90%

Run 6: Report of Copa — Data Link

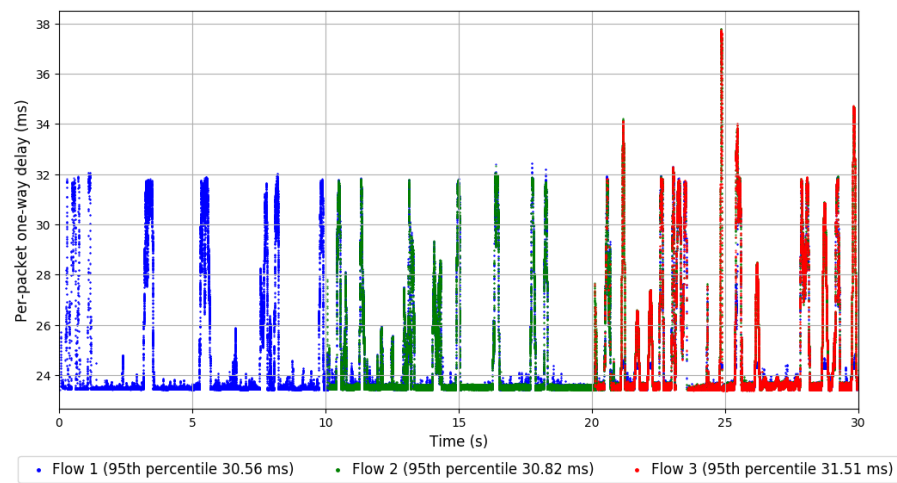
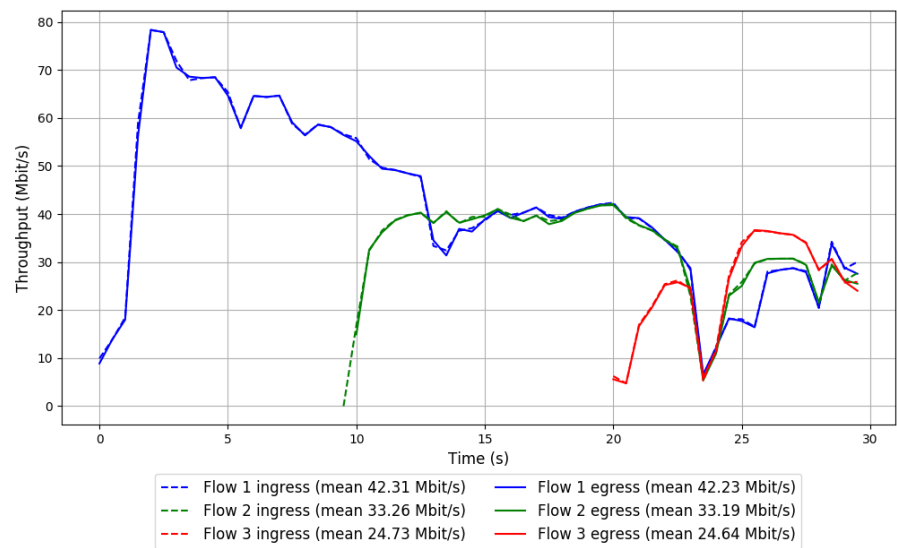


Run 7: Statistics of Copa

Start at: 2018-02-03 00:57:35
End at: 2018-02-03 00:58:05
Local clock offset: 0.847 ms
Remote clock offset: -1.345 ms

Below is generated by plot.py at 2018-02-03 06:53:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 30.802 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 30.563 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 30.819 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 31.509 ms
Loss rate: 0.84%

Run 7: Report of Copa — Data Link

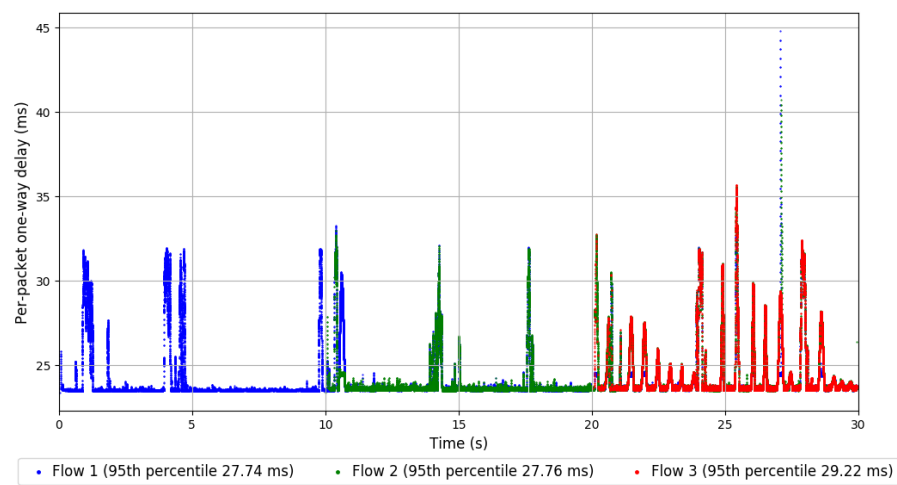
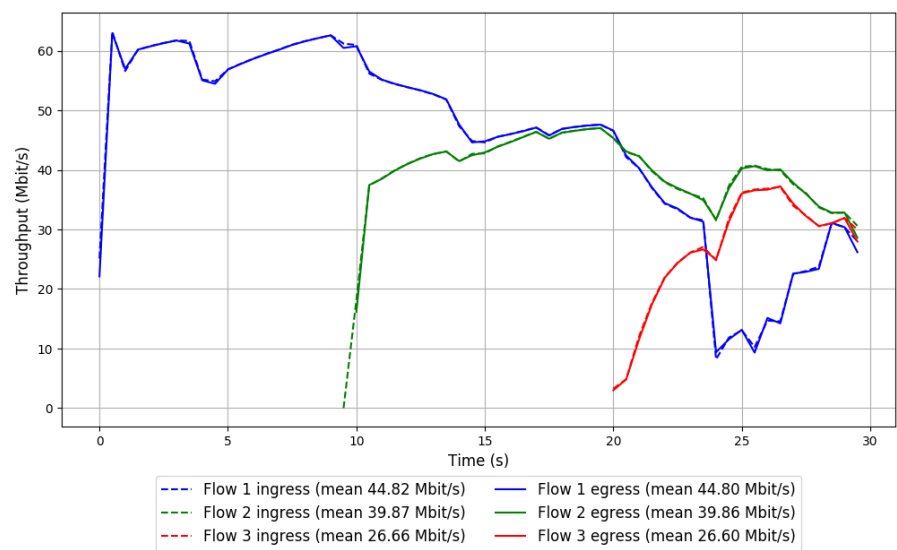


Run 8: Statistics of Copa

Start at: 2018-02-03 01:22:37
End at: 2018-02-03 01:23:07
Local clock offset: 1.131 ms
Remote clock offset: -1.808 ms

Below is generated by plot.py at 2018-02-03 06:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: 27.975 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 27.744 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 27.759 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 29.224 ms
Loss rate: 0.76%

Run 8: Report of Copa — Data Link

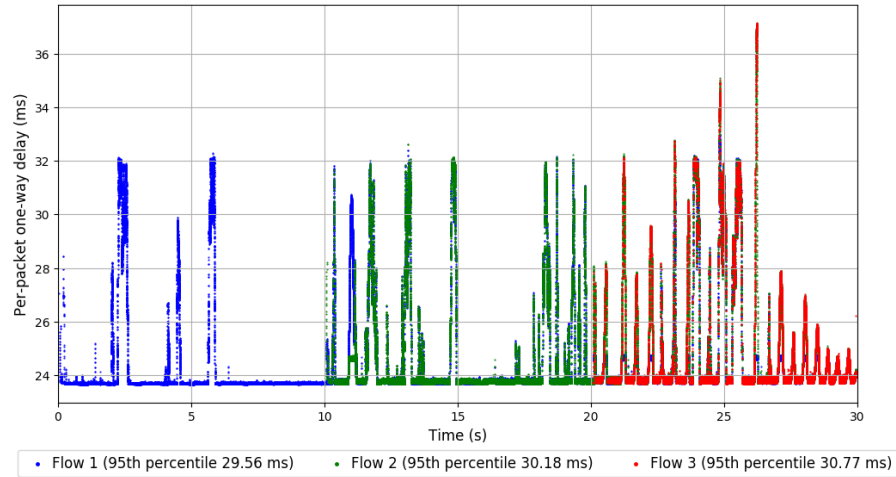
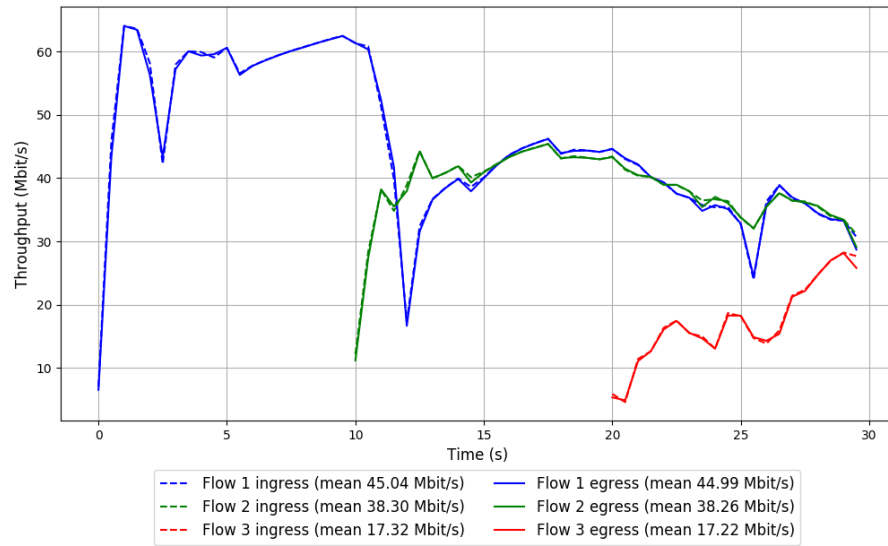


Run 9: Statistics of Copa

Start at: 2018-02-03 01:47:21
End at: 2018-02-03 01:47:51
Local clock offset: 1.031 ms
Remote clock offset: -0.531 ms

Below is generated by plot.py at 2018-02-03 06:54:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.16 Mbit/s
95th percentile per-packet one-way delay: 29.894 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 44.99 Mbit/s
95th percentile per-packet one-way delay: 29.556 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 30.182 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 17.22 Mbit/s
95th percentile per-packet one-way delay: 30.768 ms
Loss rate: 1.07%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-03 02:12:18

End at: 2018-02-03 02:12:48

Local clock offset: 0.962 ms

Remote clock offset: 1.295 ms

Below is generated by plot.py at 2018-02-03 06:54:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.59 Mbit/s

95th percentile per-packet one-way delay: 29.045 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 29.220 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 37.02 Mbit/s

95th percentile per-packet one-way delay: 28.451 ms

Loss rate: 0.40%

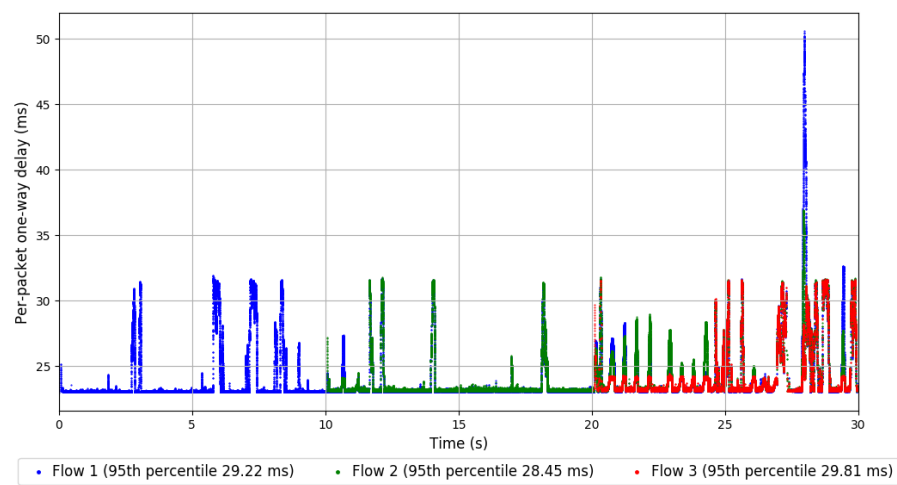
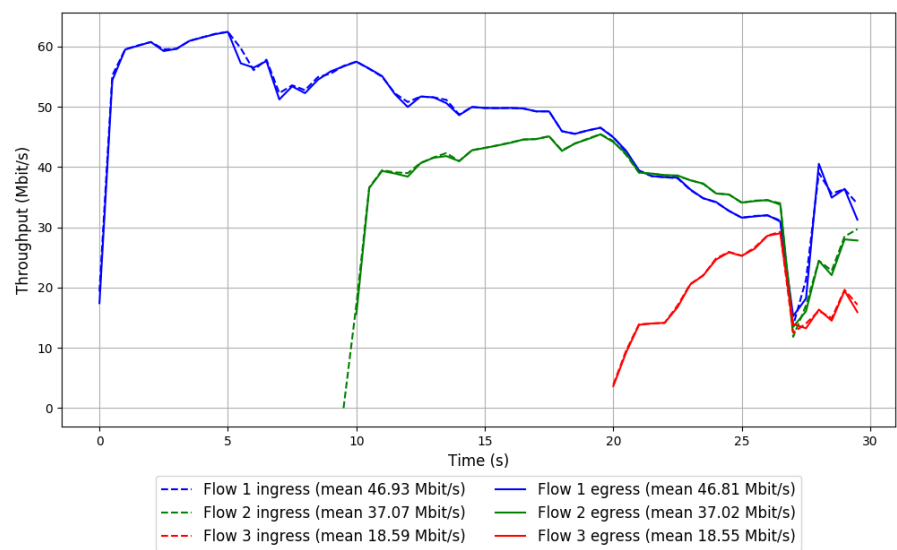
-- Flow 3:

Average throughput: 18.55 Mbit/s

95th percentile per-packet one-way delay: 29.810 ms

Loss rate: 0.73%

Run 10: Report of Copa — Data Link

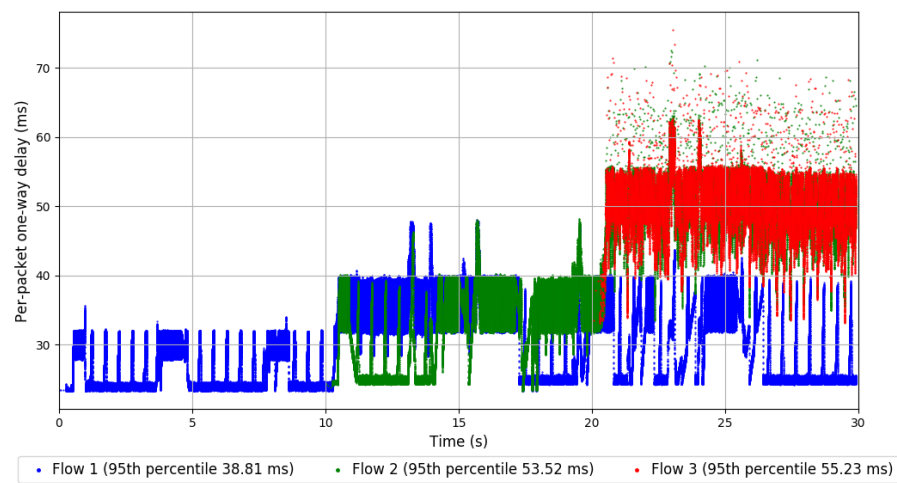
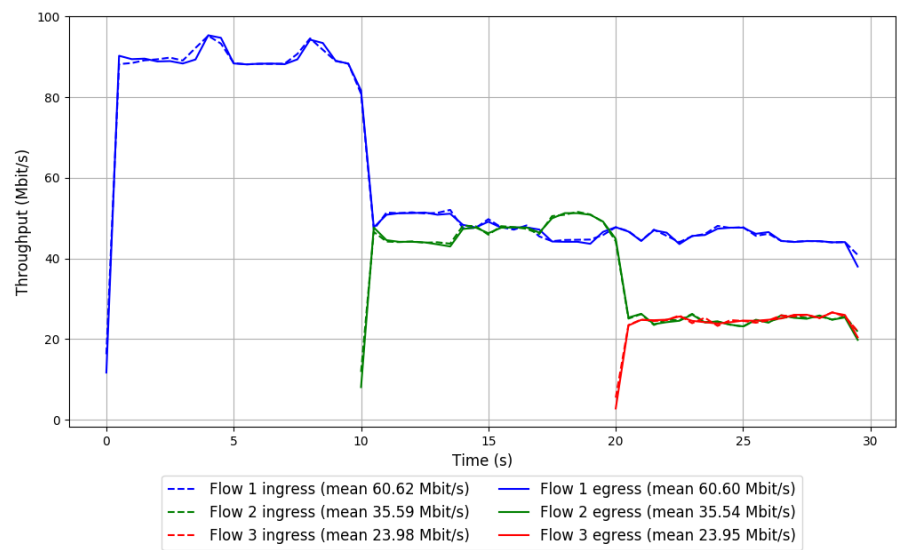


Run 1: Statistics of FillP

Start at: 2018-02-02 22:25:51
End at: 2018-02-02 22:26:21
Local clock offset: 0.874 ms
Remote clock offset: -3.704 ms

Below is generated by plot.py at 2018-02-03 06:55:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 52.074 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 60.60 Mbit/s
95th percentile per-packet one-way delay: 38.811 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 53.521 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 55.231 ms
Loss rate: 0.86%

Run 1: Report of FillP — Data Link

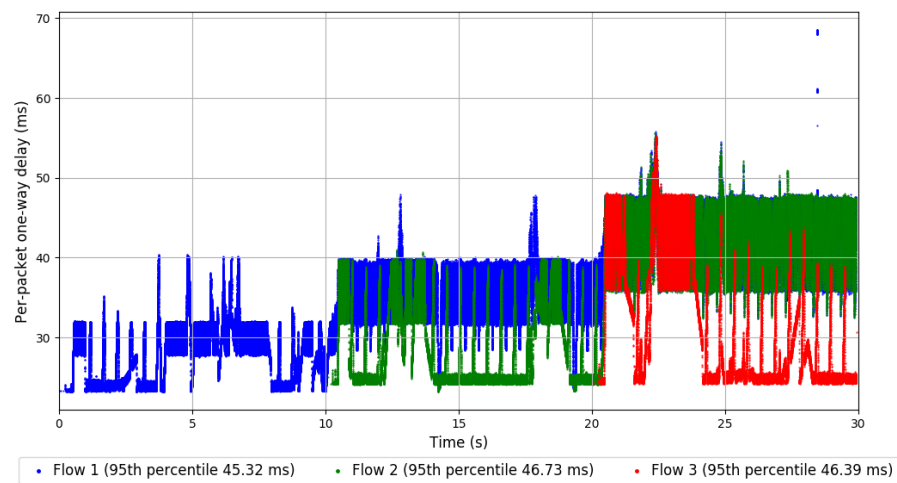
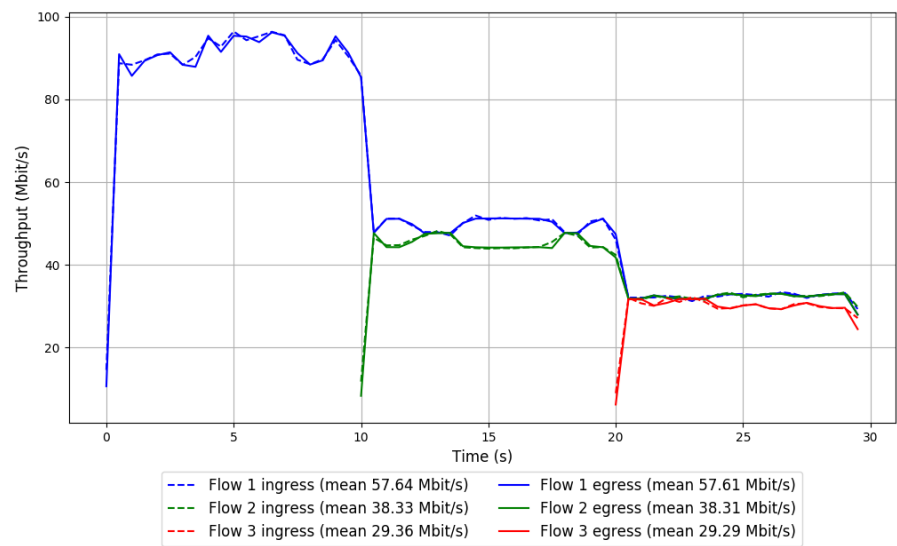


Run 2: Statistics of FillP

Start at: 2018-02-02 22:50:31
End at: 2018-02-02 22:51:01
Local clock offset: 0.971 ms
Remote clock offset: -1.952 ms

Below is generated by plot.py at 2018-02-03 06:55:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 46.063 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 57.61 Mbit/s
95th percentile per-packet one-way delay: 45.323 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 46.729 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 29.29 Mbit/s
95th percentile per-packet one-way delay: 46.394 ms
Loss rate: 0.72%

Run 2: Report of FillP — Data Link

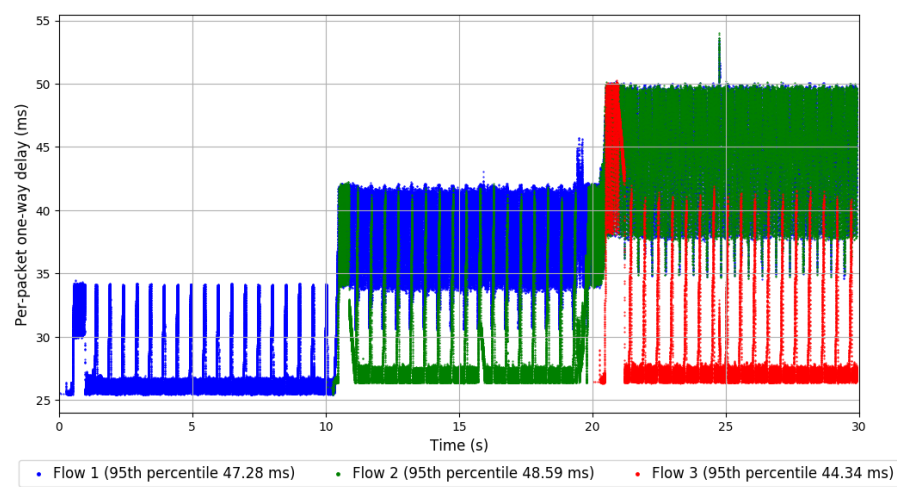
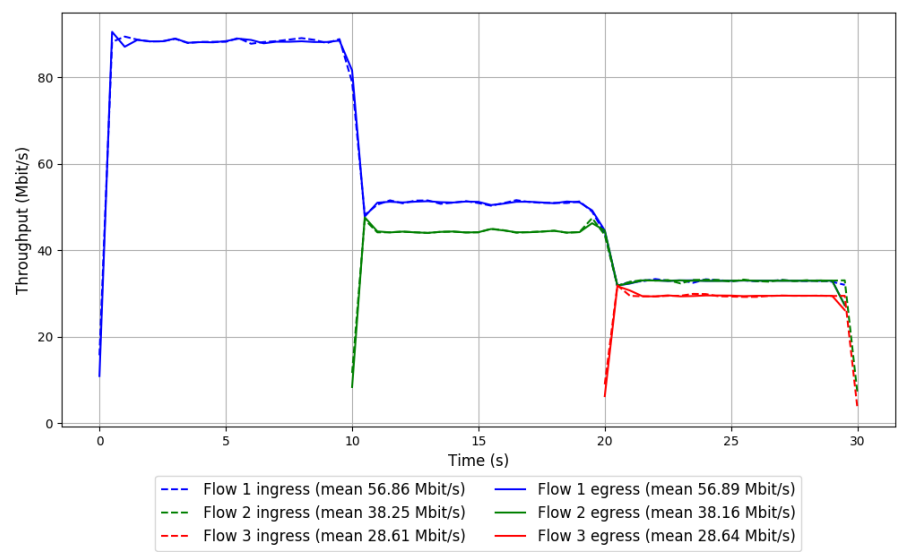


Run 3: Statistics of FillP

Start at: 2018-02-02 23:15:12
End at: 2018-02-02 23:15:42
Local clock offset: 1.098 ms
Remote clock offset: -2.688 ms

Below is generated by plot.py at 2018-02-03 06:55:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 47.801 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 47.280 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 48.595 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 44.342 ms
Loss rate: 1.47%

Run 3: Report of FillP — Data Link

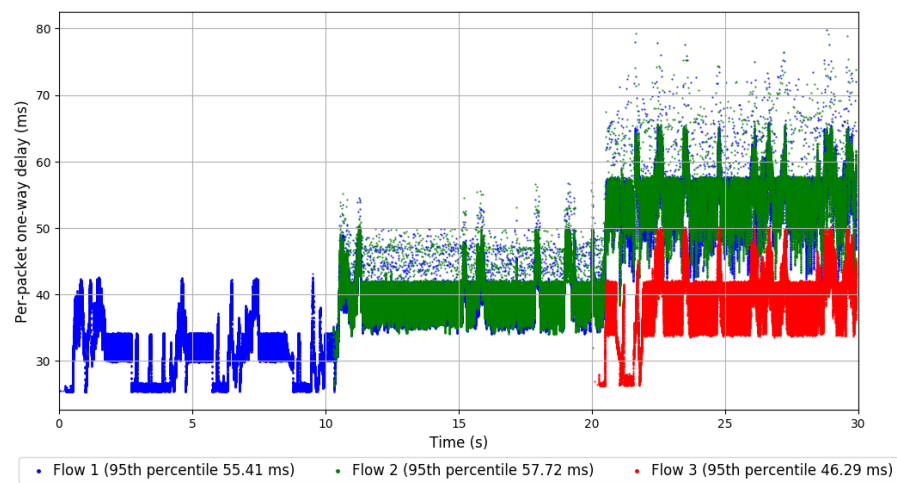
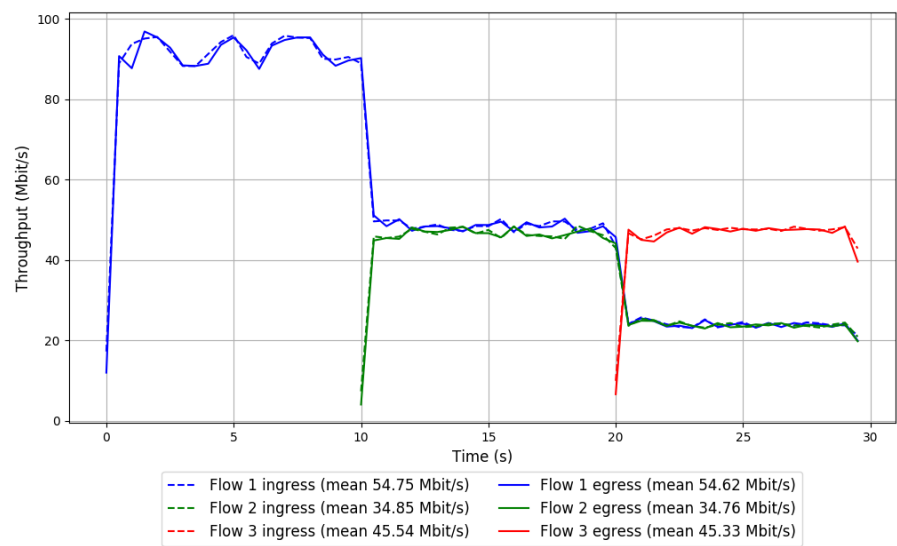


Run 4: Statistics of FillP

Start at: 2018-02-02 23:39:44
End at: 2018-02-02 23:40:14
Local clock offset: 1.145 ms
Remote clock offset: -1.267 ms

Below is generated by plot.py at 2018-02-03 06:55:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 55.945 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 55.414 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 57.722 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 46.287 ms
Loss rate: 1.13%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-02-03 00:04:46

End at: 2018-02-03 00:05:16

Local clock offset: 1.054 ms

Remote clock offset: 1.121 ms

Below is generated by plot.py at 2018-02-03 06:55:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 54.748 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 54.83 Mbit/s

95th percentile per-packet one-way delay: 54.148 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 45.93 Mbit/s

95th percentile per-packet one-way delay: 45.641 ms

Loss rate: 0.98%

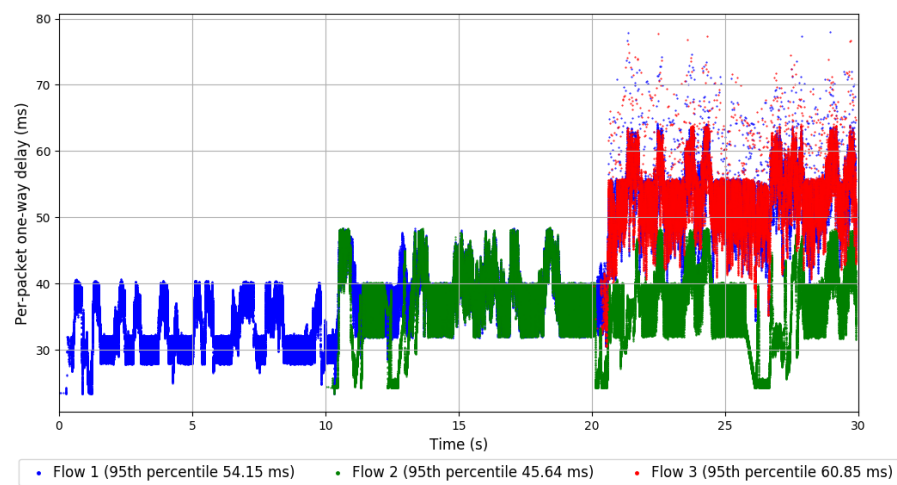
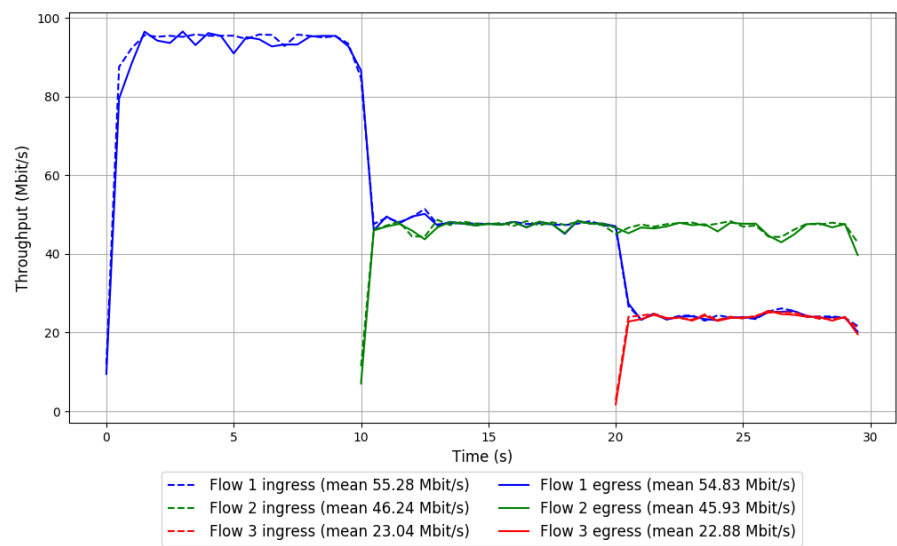
-- Flow 3:

Average throughput: 22.88 Mbit/s

95th percentile per-packet one-way delay: 60.846 ms

Loss rate: 1.48%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-02-03 00:30:03

End at: 2018-02-03 00:30:33

Local clock offset: 0.724 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-02-03 06:56:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.26 Mbit/s

95th percentile per-packet one-way delay: 55.362 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 55.16 Mbit/s

95th percentile per-packet one-way delay: 54.658 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 58.102 ms

Loss rate: 0.77%

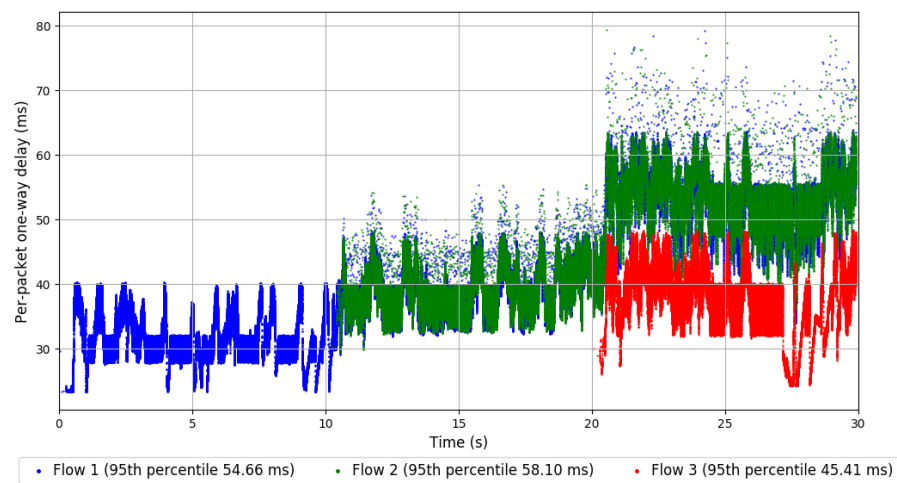
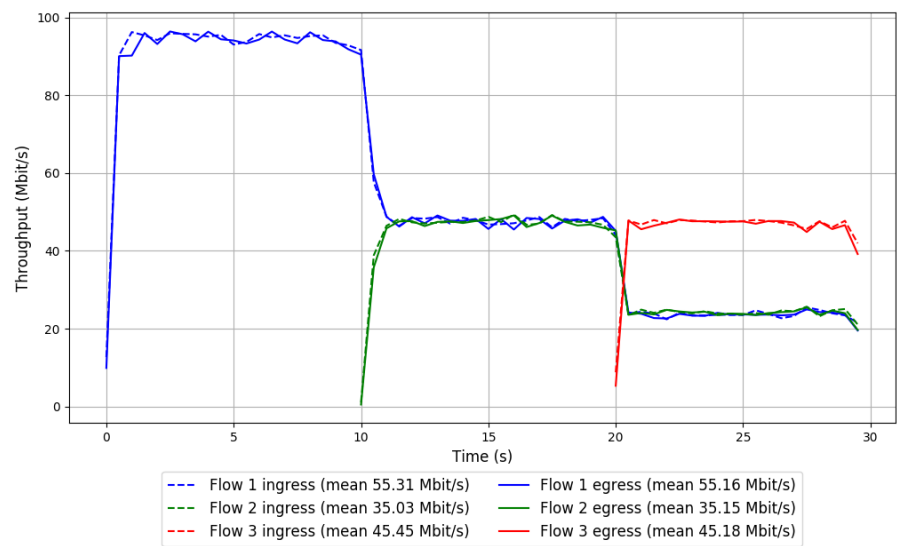
-- Flow 3:

Average throughput: 45.18 Mbit/s

95th percentile per-packet one-way delay: 45.409 ms

Loss rate: 1.21%

Run 6: Report of FillP — Data Link

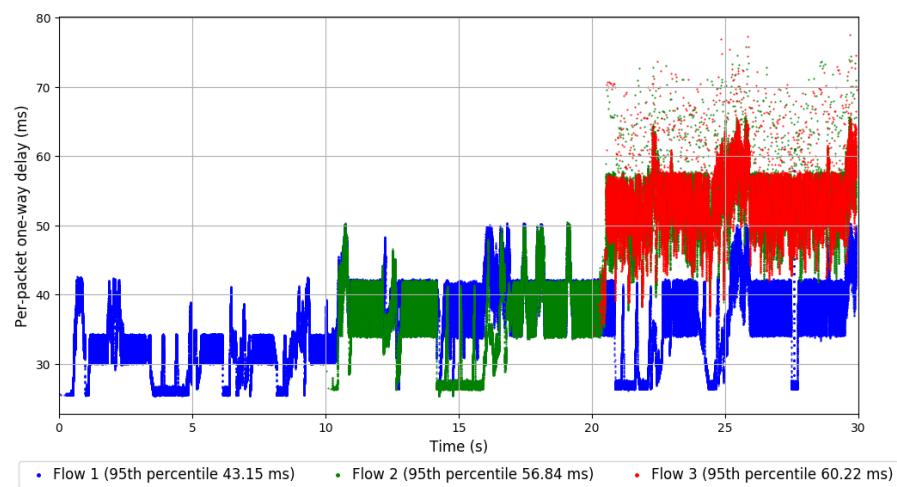
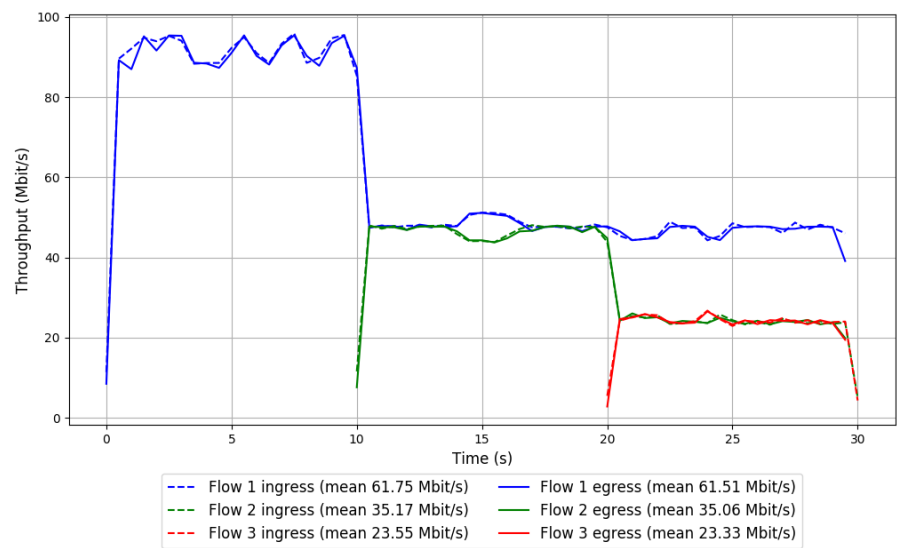


Run 7: Statistics of FillP

Start at: 2018-02-03 00:54:49
End at: 2018-02-03 00:55:19
Local clock offset: 0.902 ms
Remote clock offset: -3.239 ms

Below is generated by plot.py at 2018-02-03 06:56:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 55.079 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: 43.149 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 56.842 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 60.221 ms
Loss rate: 2.51%

Run 7: Report of FillP — Data Link

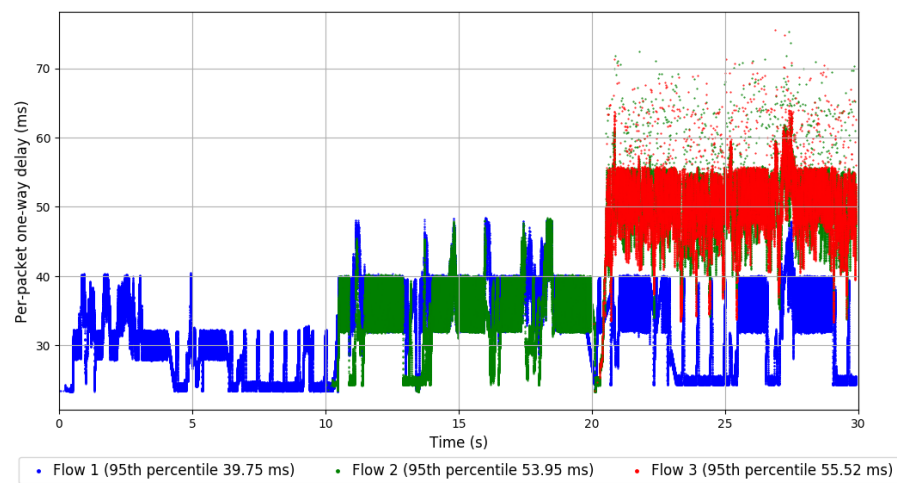
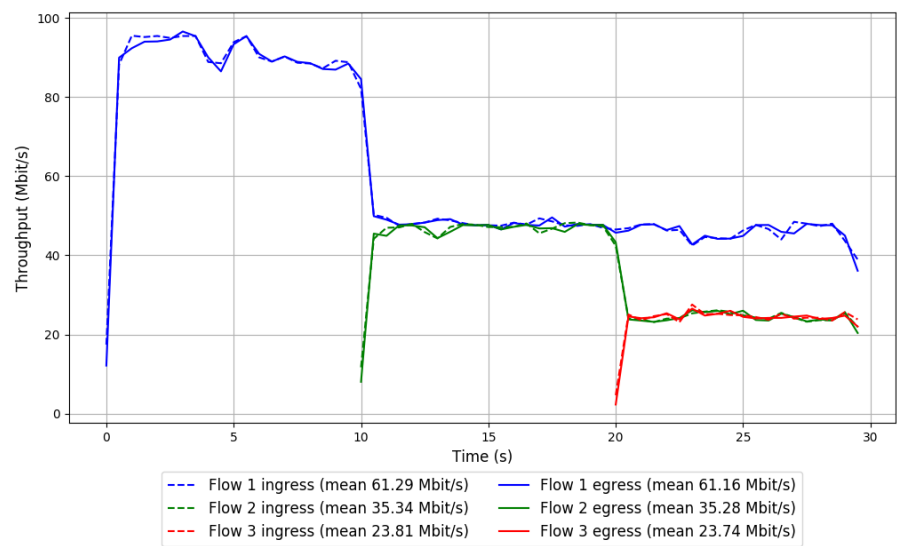


Run 8: Statistics of FillP

Start at: 2018-02-03 01:19:50
End at: 2018-02-03 01:20:20
Local clock offset: 1.032 ms
Remote clock offset: -1.992 ms

Below is generated by plot.py at 2018-02-03 06:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 52.335 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 39.746 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 53.954 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 55.525 ms
Loss rate: 0.97%

Run 8: Report of FillP — Data Link

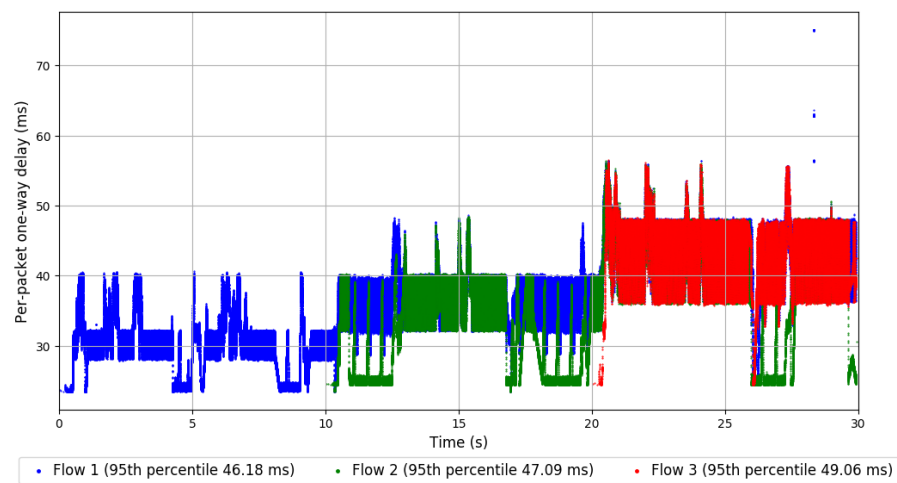
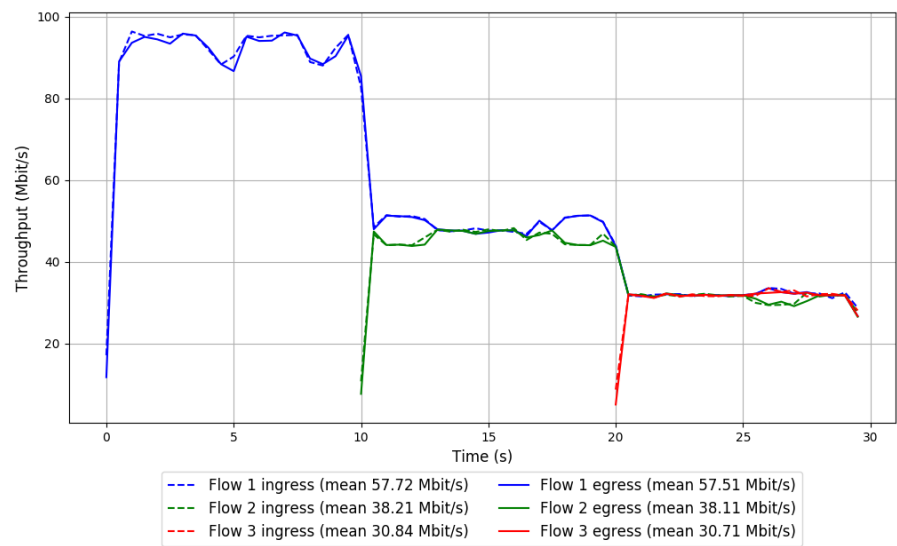


Run 9: Statistics of FillP

Start at: 2018-02-03 01:44:33
End at: 2018-02-03 01:45:03
Local clock offset: 1.015 ms
Remote clock offset: -0.719 ms

Below is generated by plot.py at 2018-02-03 06:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 47.099 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 57.51 Mbit/s
95th percentile per-packet one-way delay: 46.183 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 47.088 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 49.059 ms
Loss rate: 0.95%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-02-03 02:09:33

End at: 2018-02-03 02:10:03

Local clock offset: 0.953 ms

Remote clock offset: 0.624 ms

Below is generated by plot.py at 2018-02-03 06:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.07 Mbit/s

95th percentile per-packet one-way delay: 46.682 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 56.21 Mbit/s

95th percentile per-packet one-way delay: 46.026 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 39.26 Mbit/s

95th percentile per-packet one-way delay: 47.355 ms

Loss rate: 0.46%

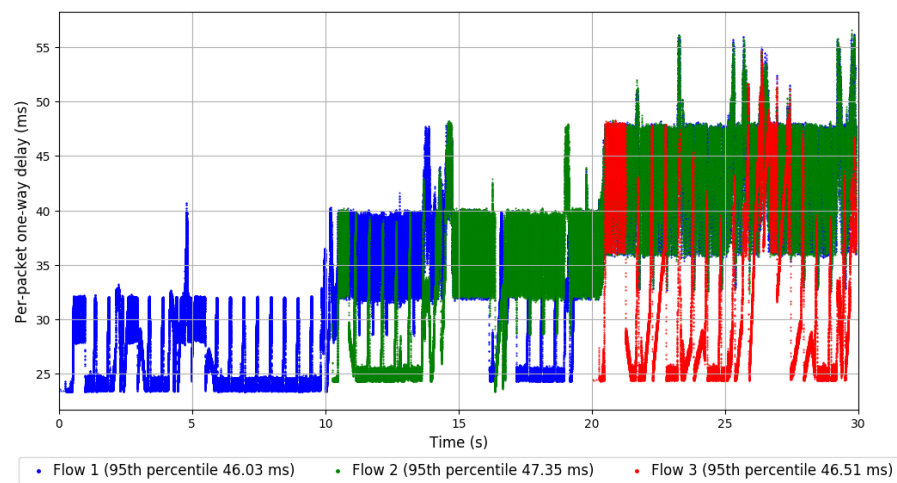
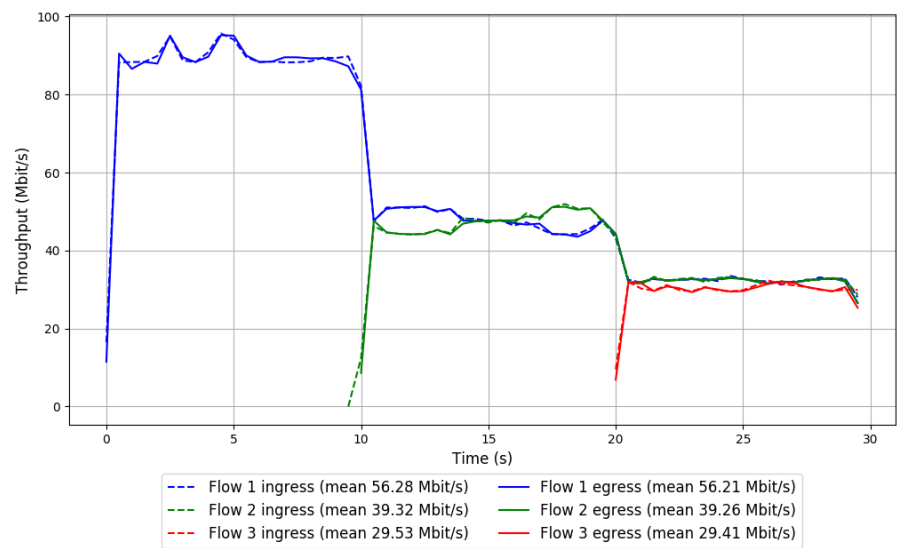
-- Flow 3:

Average throughput: 29.41 Mbit/s

95th percentile per-packet one-way delay: 46.506 ms

Loss rate: 1.02%

Run 10: Report of FillP — Data Link

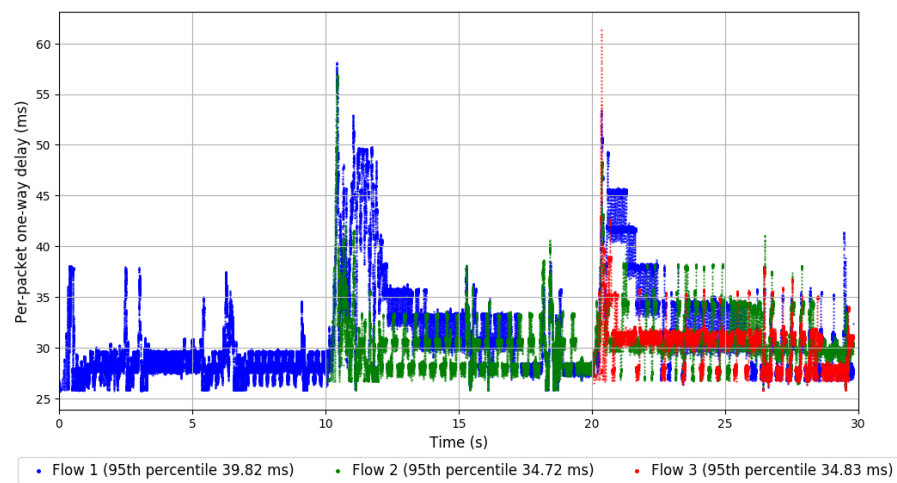
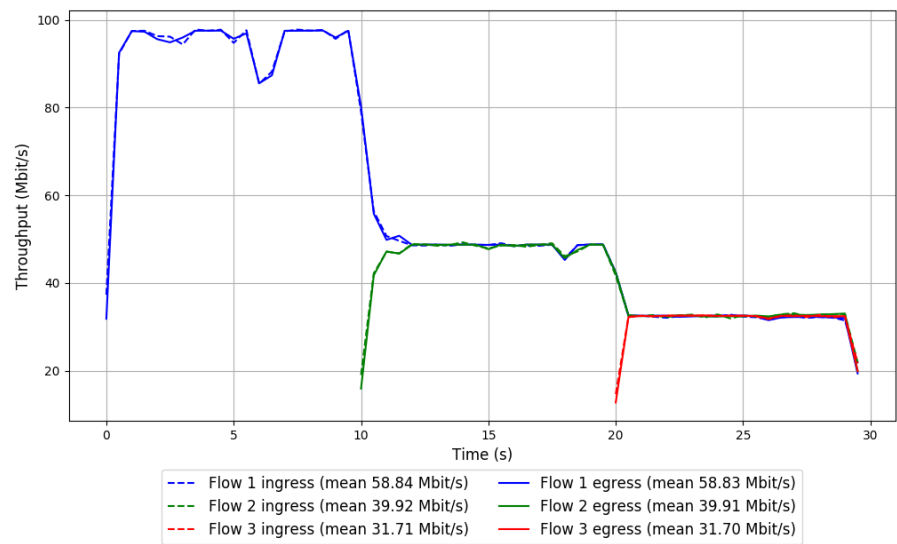


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-02 22:14:56
End at: 2018-02-02 22:15:26
Local clock offset: 0.888 ms
Remote clock offset: -6.714 ms

Below is generated by plot.py at 2018-02-03 06:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 37.805 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 39.823 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 34.720 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 34.826 ms
Loss rate: 0.58%

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

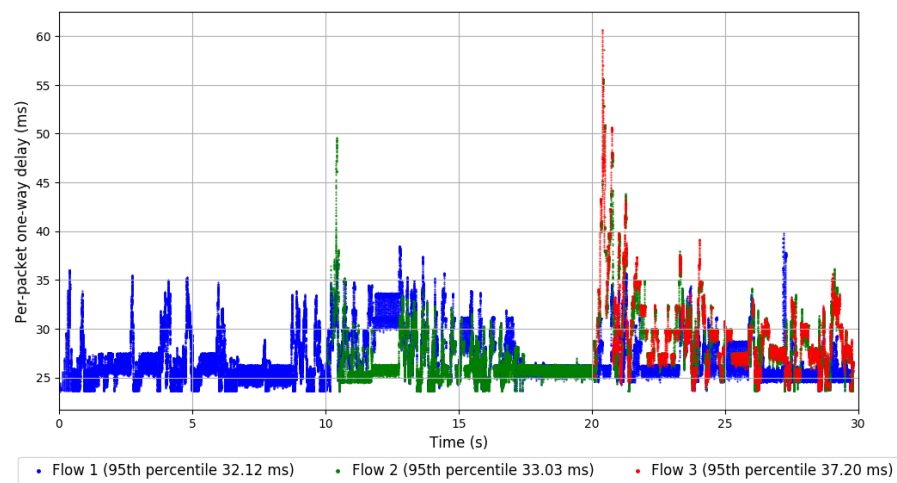
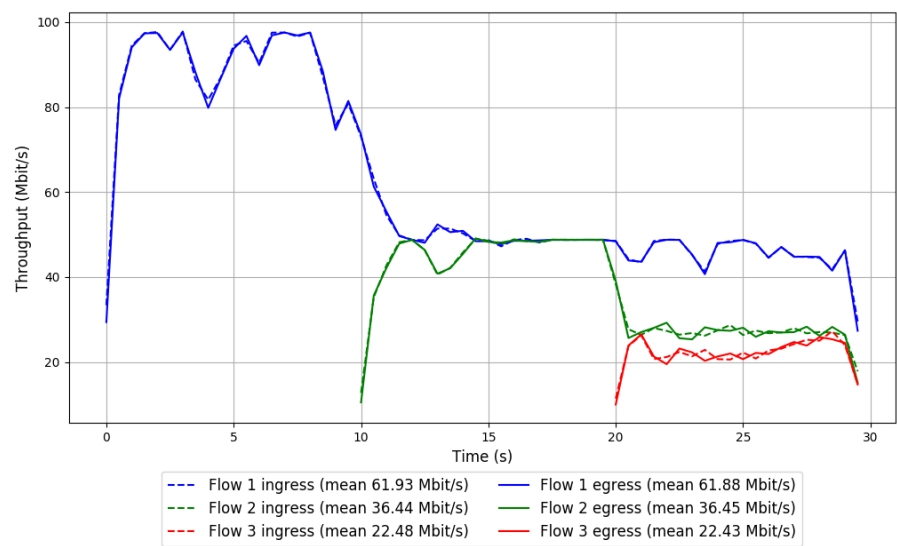


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-02 22:39:36
End at: 2018-02-02 22:40:06
Local clock offset: 1.117 ms
Remote clock offset: -2.794 ms

Below is generated by plot.py at 2018-02-03 06:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 32.749 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 61.88 Mbit/s
95th percentile per-packet one-way delay: 32.117 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 33.031 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 37.199 ms
Loss rate: 0.75%

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

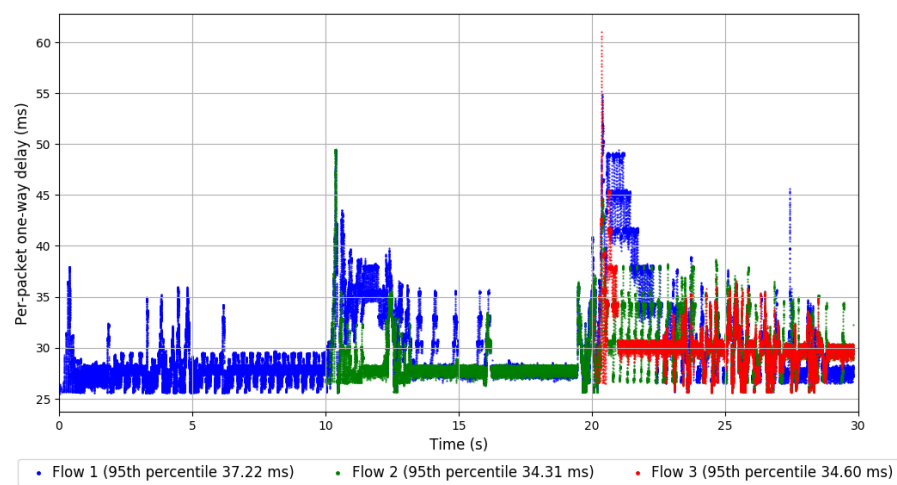
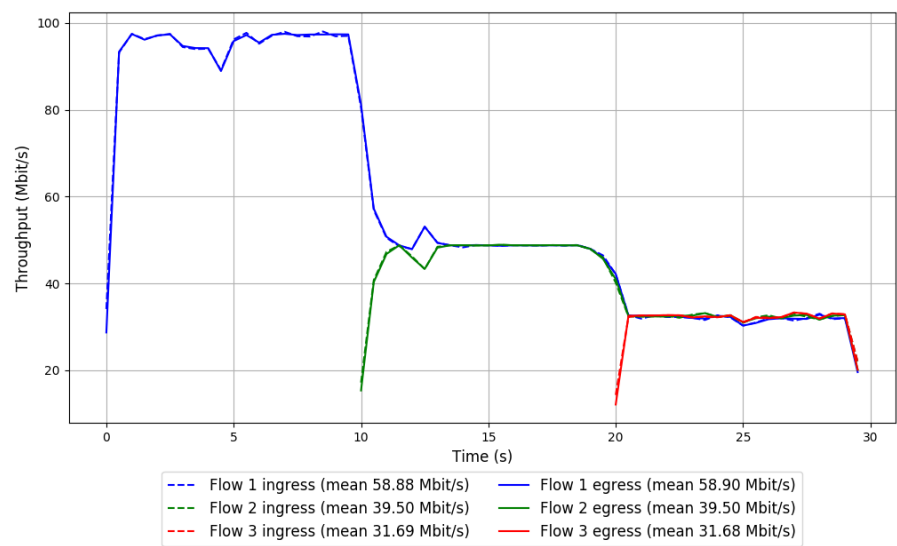


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-02 23:04:18
End at: 2018-02-02 23:04:48
Local clock offset: 1.053 ms
Remote clock offset: -2.996 ms

Below is generated by plot.py at 2018-02-03 06:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.47 Mbit/s
95th percentile per-packet one-way delay: 35.782 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 37.221 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 34.315 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 34.599 ms
Loss rate: 0.62%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-02 23:28:55

End at: 2018-02-02 23:29:25

Local clock offset: 1.147 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2018-02-03 06:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 33.192 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 59.36 Mbit/s

95th percentile per-packet one-way delay: 33.841 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 32.484 ms

Loss rate: 0.26%

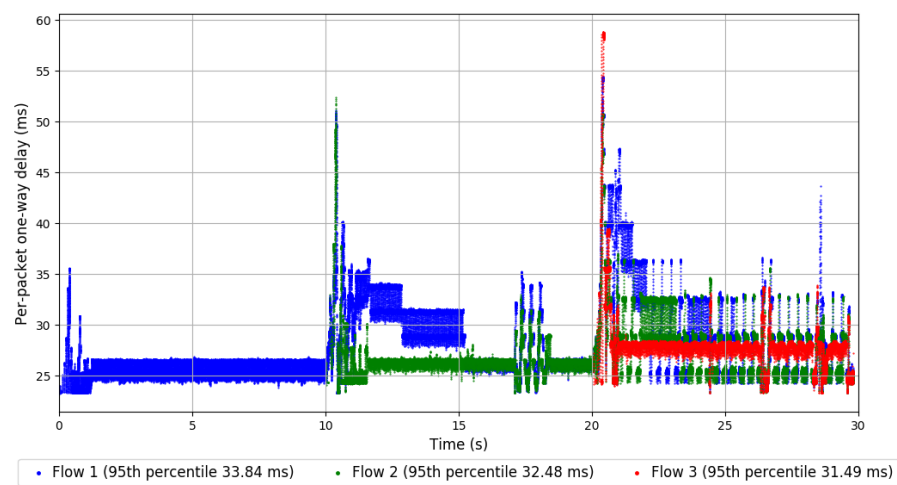
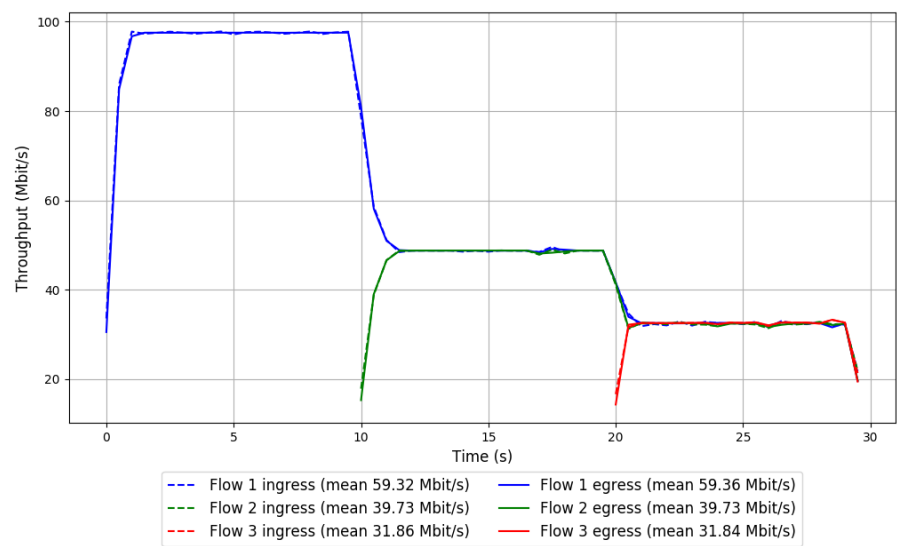
-- Flow 3:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 31.488 ms

Loss rate: 0.60%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-02 23:53:39

End at: 2018-02-02 23:54:09

Local clock offset: 1.187 ms

Remote clock offset: 1.086 ms

Below is generated by plot.py at 2018-02-03 06:58:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.97 Mbit/s

95th percentile per-packet one-way delay: 33.587 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 61.10 Mbit/s

95th percentile per-packet one-way delay: 32.131 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 38.02 Mbit/s

95th percentile per-packet one-way delay: 36.837 ms

Loss rate: 0.35%

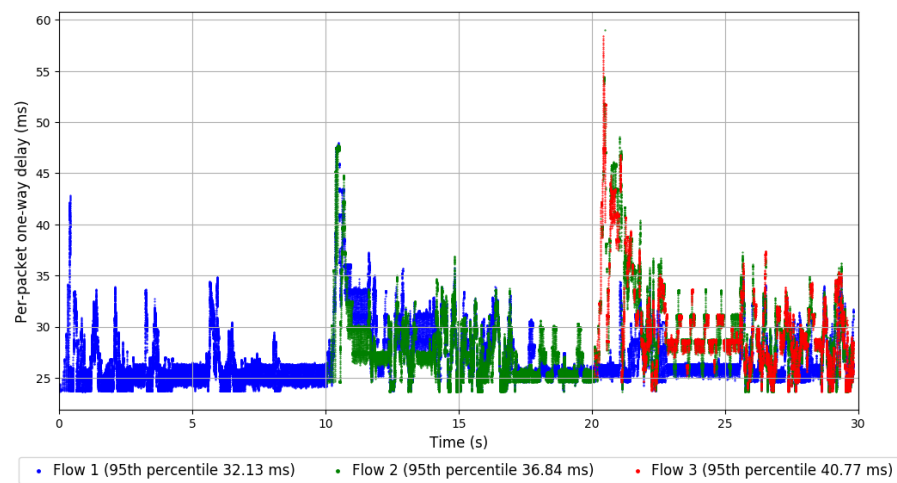
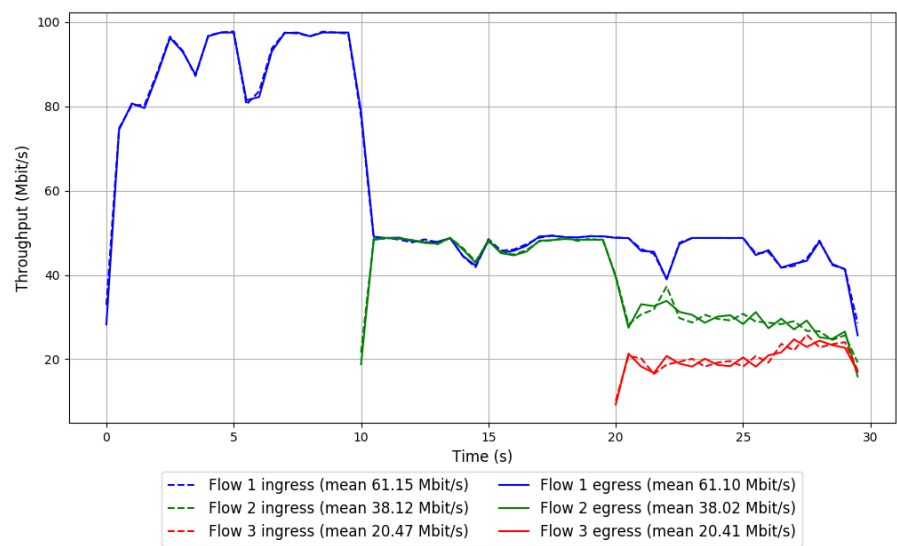
-- Flow 3:

Average throughput: 20.41 Mbit/s

95th percentile per-packet one-way delay: 40.770 ms

Loss rate: 0.82%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-03 00:19:12

End at: 2018-02-03 00:19:42

Local clock offset: 0.91 ms

Remote clock offset: 1.003 ms

Below is generated by plot.py at 2018-02-03 06:58:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 33.594 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 53.15 Mbit/s

95th percentile per-packet one-way delay: 33.229 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 38.74 Mbit/s

95th percentile per-packet one-way delay: 34.604 ms

Loss rate: 0.50%

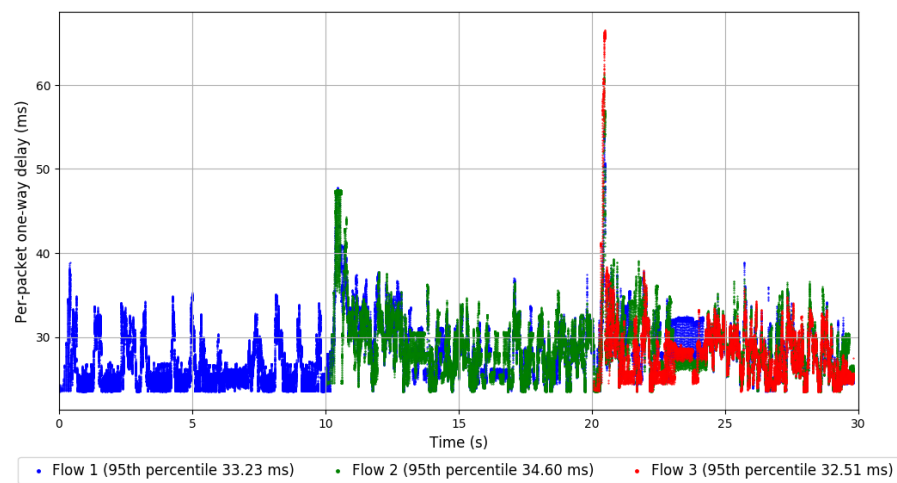
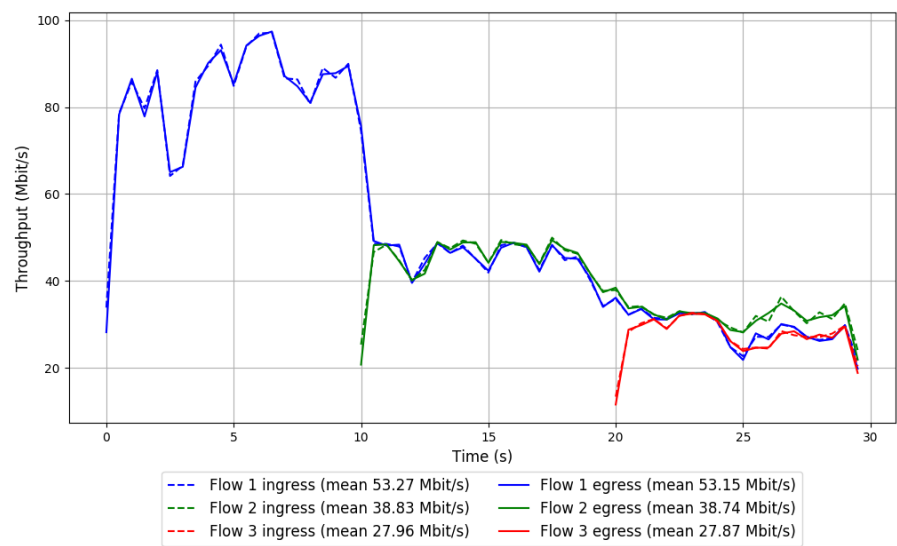
-- Flow 3:

Average throughput: 27.87 Mbit/s

95th percentile per-packet one-way delay: 32.512 ms

Loss rate: 0.86%

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

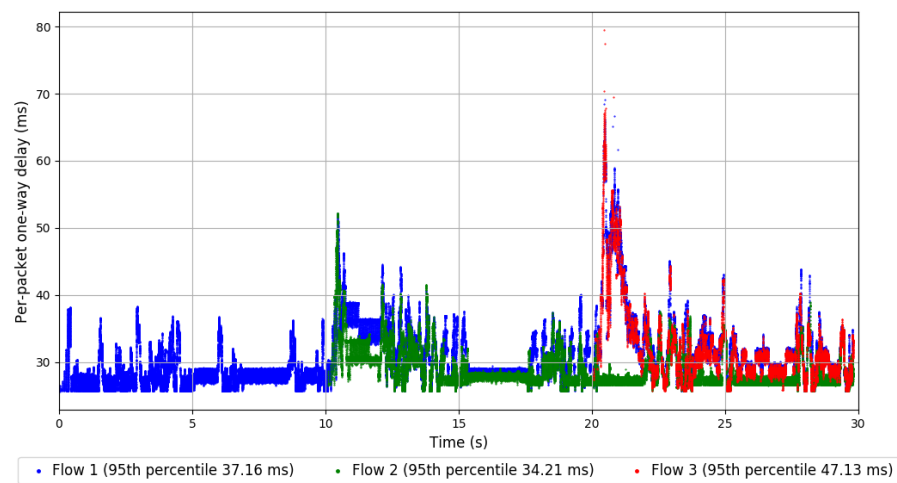
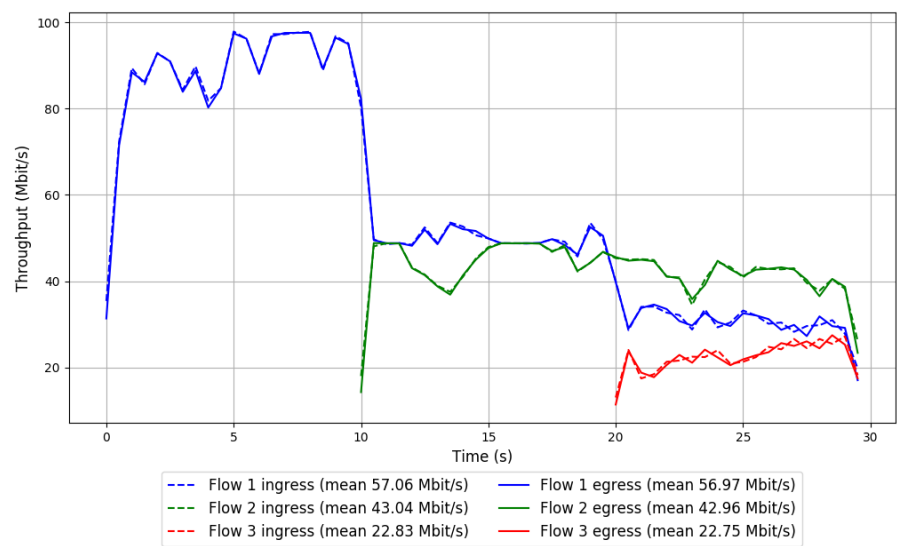


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-03 00:43:52
End at: 2018-02-03 00:44:22
Local clock offset: 0.807 ms
Remote clock offset: -2.537 ms

Below is generated by plot.py at 2018-02-03 06:58:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 36.731 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 37.155 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 42.96 Mbit/s
95th percentile per-packet one-way delay: 34.207 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 47.127 ms
Loss rate: 0.91%

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

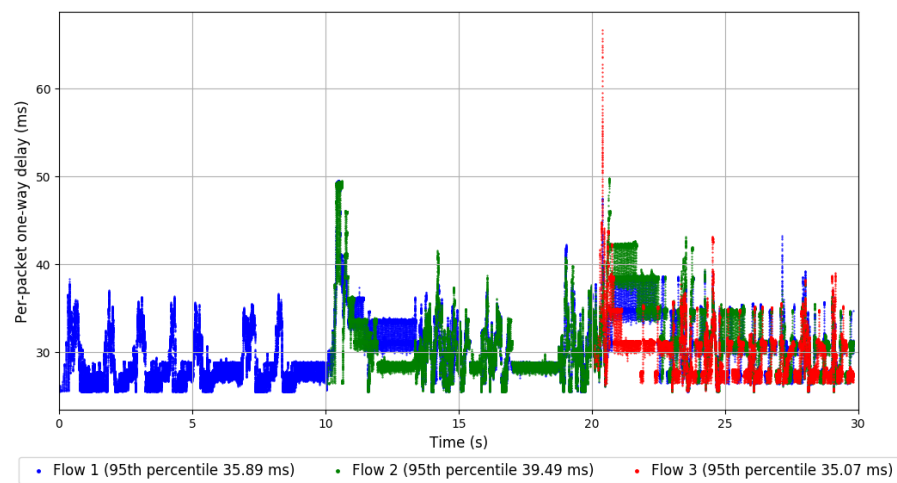
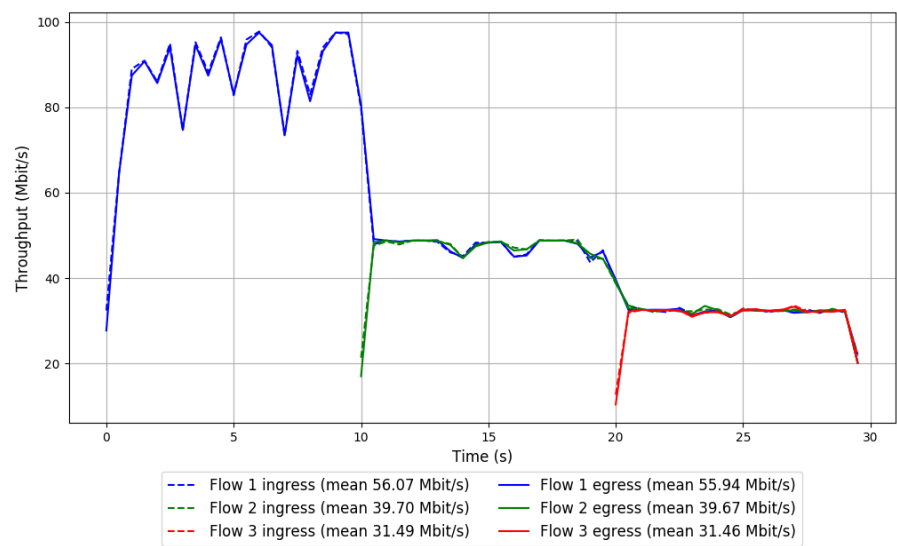


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-03 01:08:51
End at: 2018-02-03 01:09:21
Local clock offset: 1.033 ms
Remote clock offset: -3.841 ms

Below is generated by plot.py at 2018-02-03 06:58:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 37.495 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 35.893 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 39.494 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 35.070 ms
Loss rate: 0.69%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-03 01:33:37

End at: 2018-02-03 01:34:07

Local clock offset: 1.127 ms

Remote clock offset: -1.36 ms

Below is generated by plot.py at 2018-02-03 06:58:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 33.891 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 62.76 Mbit/s

95th percentile per-packet one-way delay: 32.846 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 36.97 Mbit/s

95th percentile per-packet one-way delay: 34.646 ms

Loss rate: 0.44%

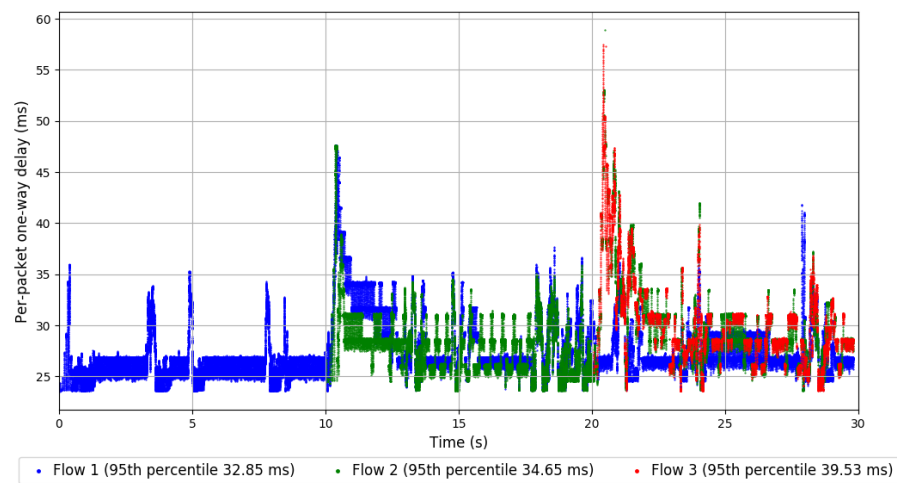
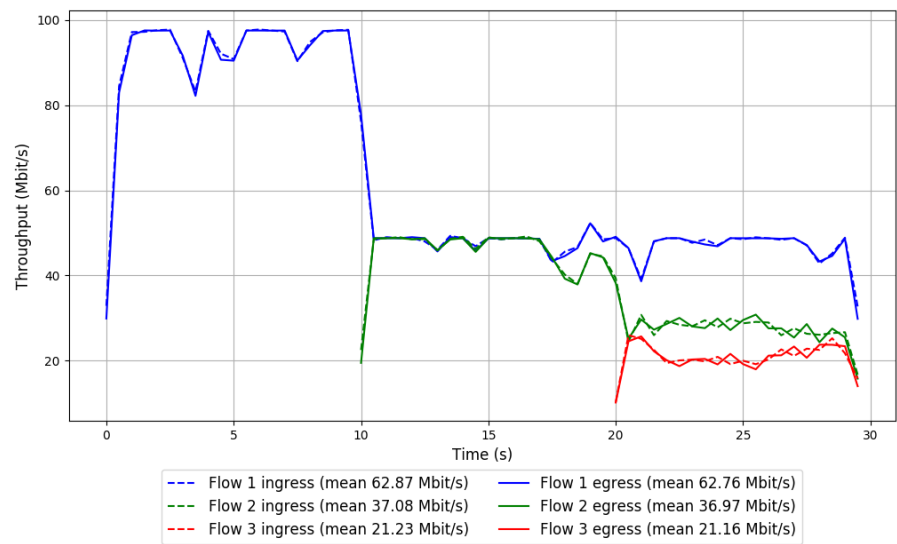
-- Flow 3:

Average throughput: 21.16 Mbit/s

95th percentile per-packet one-way delay: 39.529 ms

Loss rate: 0.88%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-03 01:58:24

End at: 2018-02-03 01:58:54

Local clock offset: 1.033 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-02-03 06:58:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.90 Mbit/s

95th percentile per-packet one-way delay: 34.602 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 34.848 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 29.597 ms

Loss rate: 0.37%

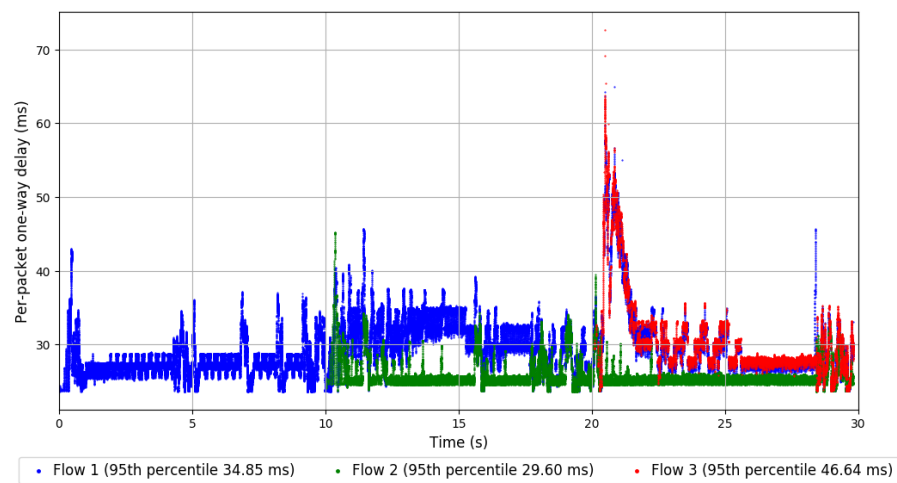
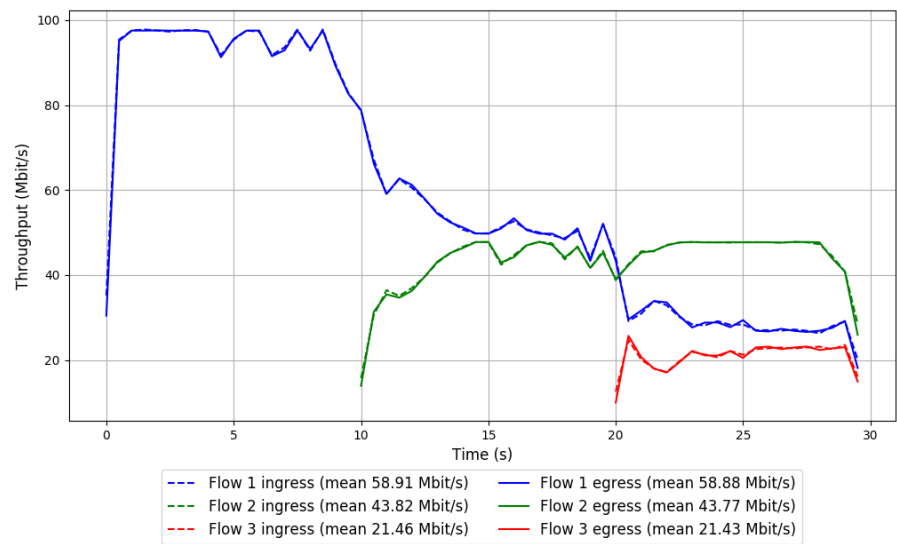
-- Flow 3:

Average throughput: 21.43 Mbit/s

95th percentile per-packet one-way delay: 46.643 ms

Loss rate: 0.76%

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

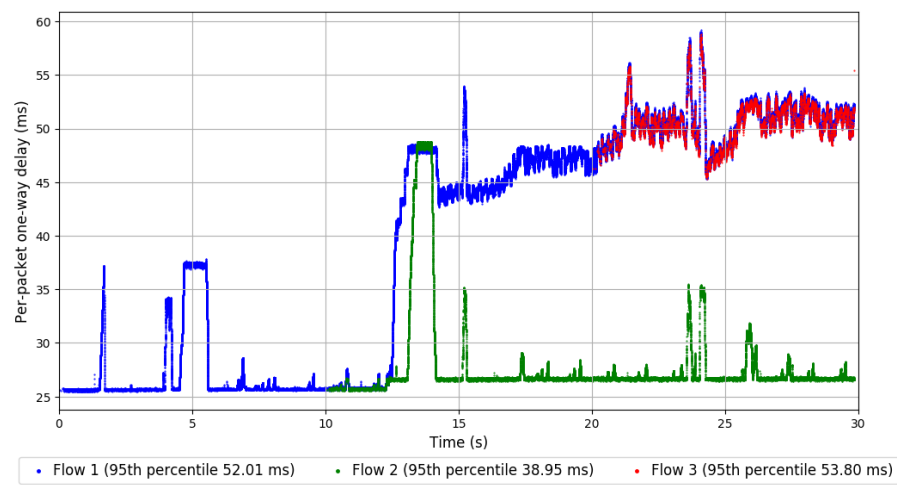
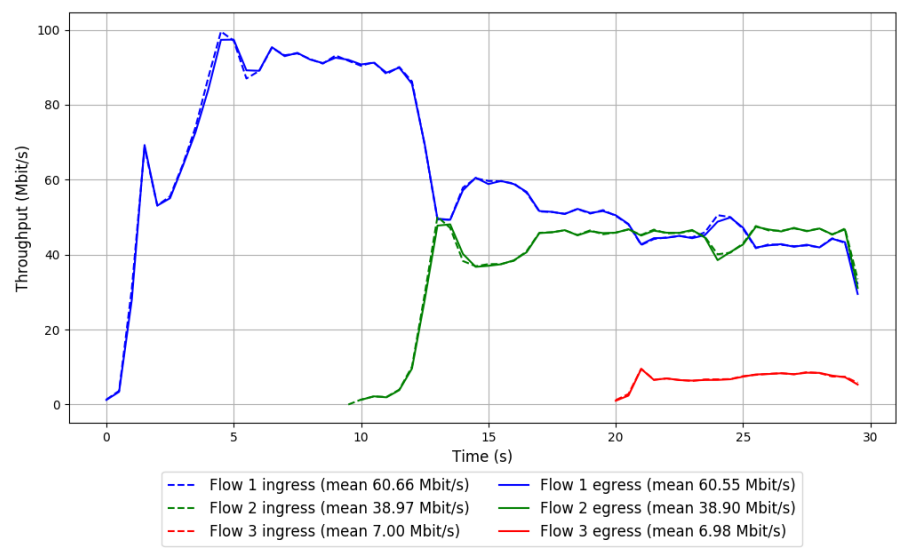


Run 1: Statistics of Vivace-latency

Start at: 2018-02-02 22:19:07
End at: 2018-02-02 22:19:37
Local clock offset: 0.91 ms
Remote clock offset: -6.284 ms

Below is generated by plot.py at 2018-02-03 06:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 51.740 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 52.013 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 38.951 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 53.800 ms
Loss rate: 1.07%

Run 1: Report of Vivace-latency — Data Link

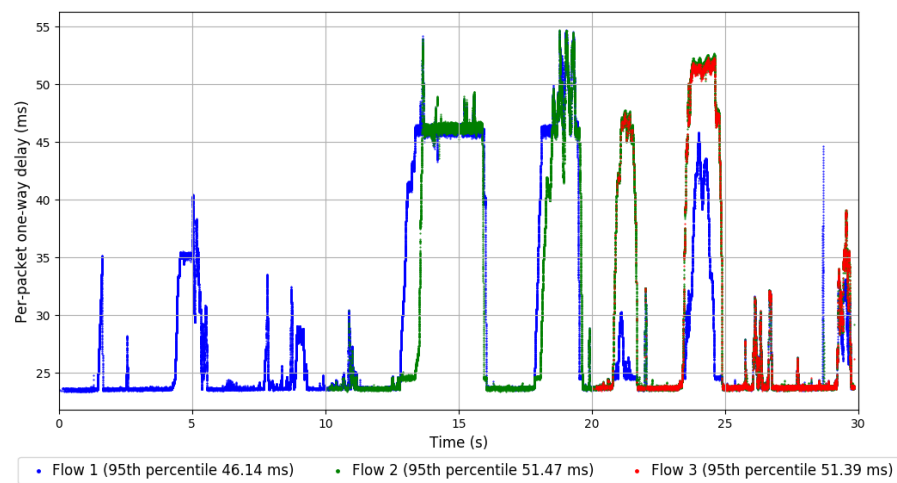
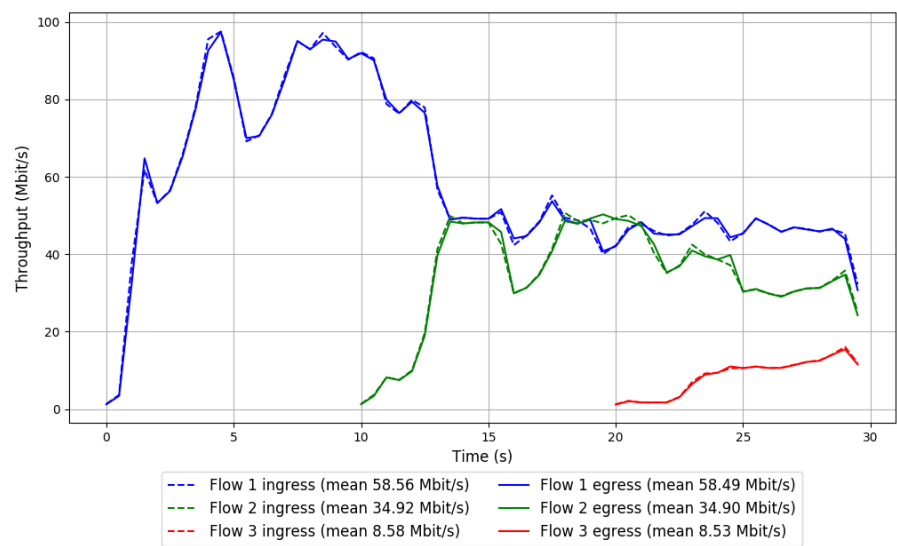


Run 2: Statistics of Vivace-latency

Start at: 2018-02-02 22:43:46
End at: 2018-02-02 22:44:16
Local clock offset: 1.093 ms
Remote clock offset: -2.578 ms

Below is generated by plot.py at 2018-02-03 06:59:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 47.290 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 46.139 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 51.465 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 51.388 ms
Loss rate: 1.06%

Run 2: Report of Vivace-latency — Data Link

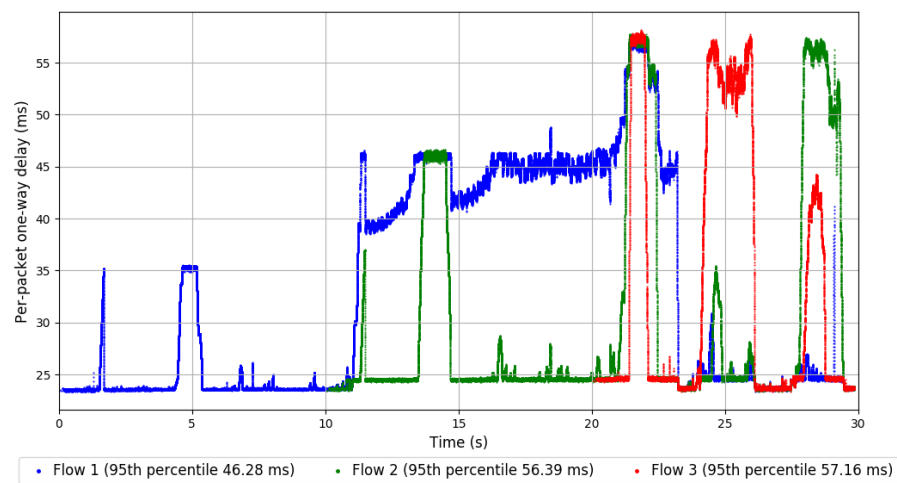
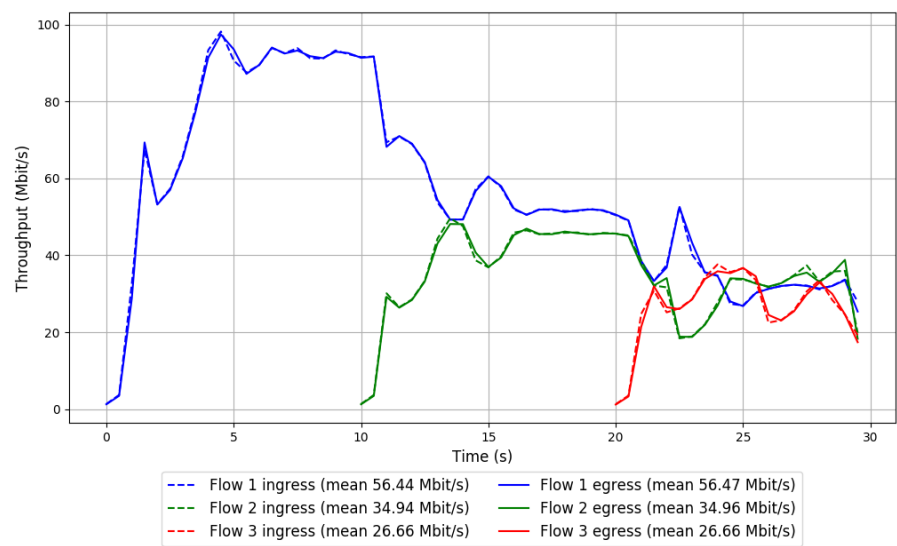


Run 3: Statistics of Vivace-latency

Start at: 2018-02-02 23:08:28
End at: 2018-02-02 23:08:58
Local clock offset: 1.07 ms
Remote clock offset: -0.766 ms

Below is generated by plot.py at 2018-02-03 06:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 54.158 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 46.281 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 56.393 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 26.66 Mbit/s
95th percentile per-packet one-way delay: 57.157 ms
Loss rate: 0.56%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-02 23:33:04

End at: 2018-02-02 23:33:34

Local clock offset: 1.066 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-02-03 06:59:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.15 Mbit/s

95th percentile per-packet one-way delay: 51.918 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 59.44 Mbit/s

95th percentile per-packet one-way delay: 45.895 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 35.92 Mbit/s

95th percentile per-packet one-way delay: 53.755 ms

Loss rate: 0.21%

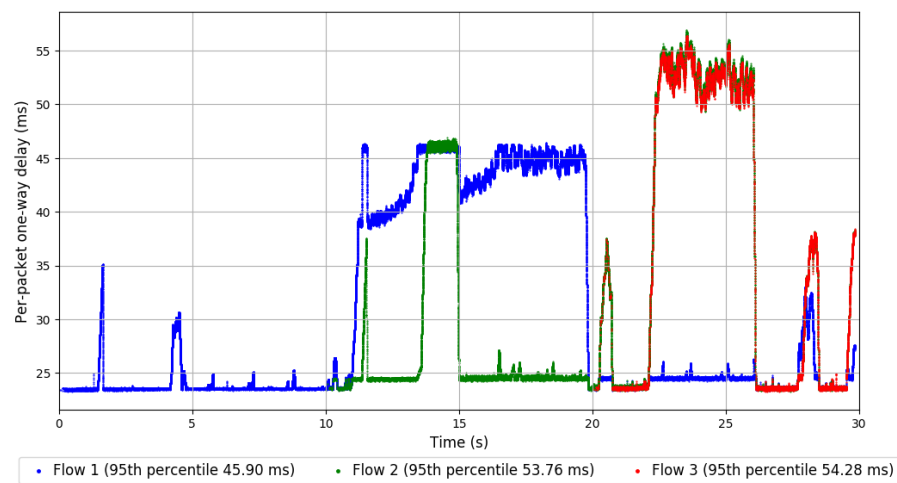
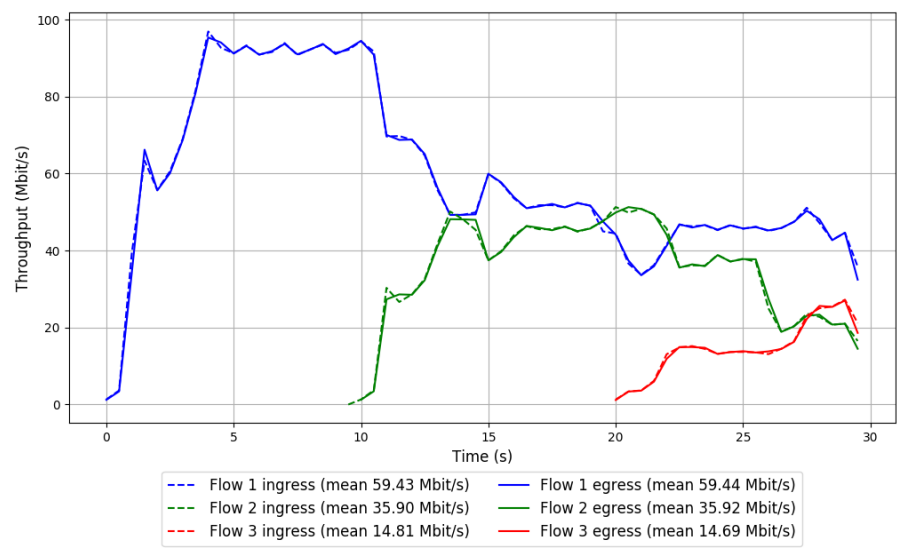
-- Flow 3:

Average throughput: 14.69 Mbit/s

95th percentile per-packet one-way delay: 54.284 ms

Loss rate: 1.34%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

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

End at: 2018-02-02 23:58:27

Local clock offset: 1.163 ms

Remote clock offset: 1.131 ms

Below is generated by plot.py at 2018-02-03 06:59:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.55 Mbit/s

95th percentile per-packet one-way delay: 56.187 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 45.28 Mbit/s

95th percentile per-packet one-way delay: 53.332 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 57.386 ms

Loss rate: 0.83%

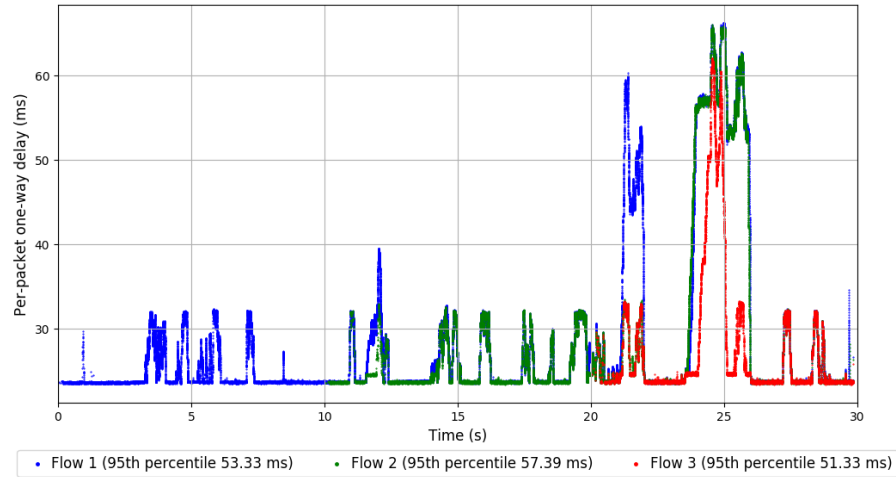
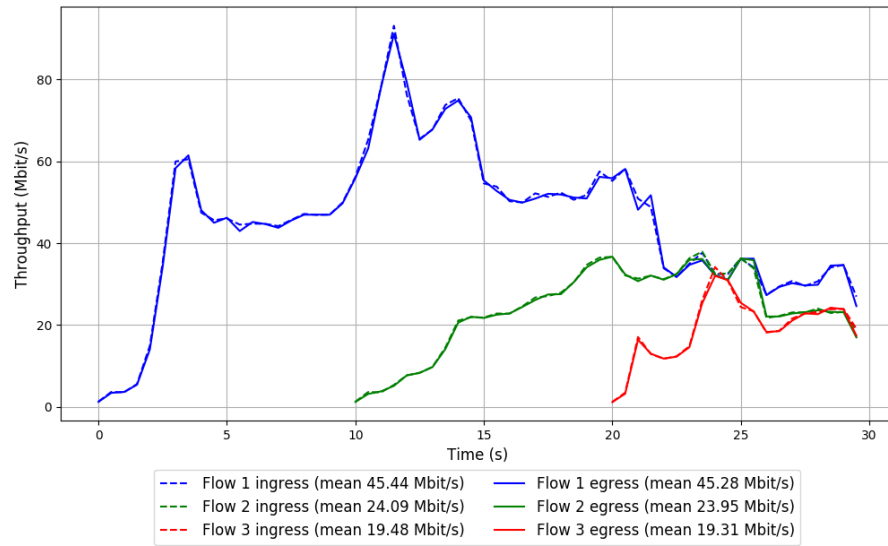
-- Flow 3:

Average throughput: 19.31 Mbit/s

95th percentile per-packet one-way delay: 51.329 ms

Loss rate: 1.40%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-02-03 00:23:24

End at: 2018-02-03 00:23:54

Local clock offset: 0.752 ms

Remote clock offset: 1.214 ms

Below is generated by plot.py at 2018-02-03 06:59:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.62 Mbit/s

95th percentile per-packet one-way delay: 64.790 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 55.54 Mbit/s

95th percentile per-packet one-way delay: 59.576 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 19.63 Mbit/s

95th percentile per-packet one-way delay: 67.570 ms

Loss rate: 0.36%

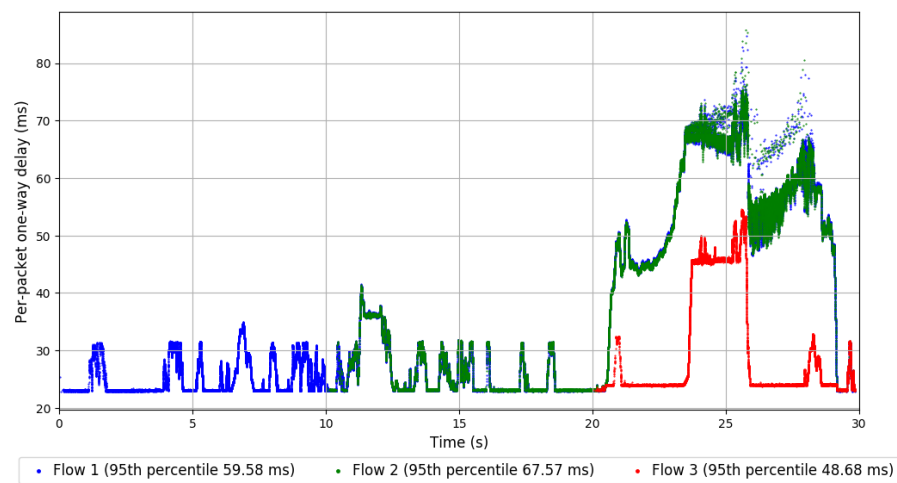
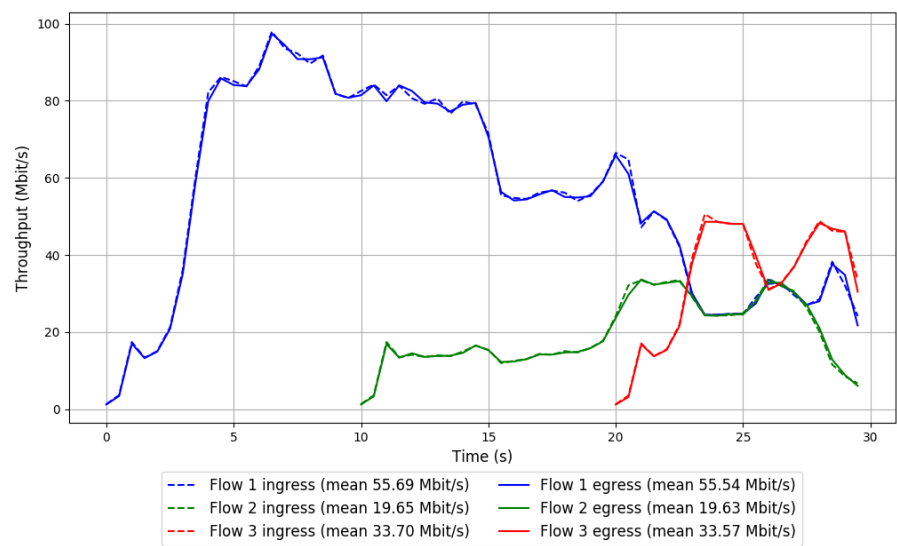
-- Flow 3:

Average throughput: 33.57 Mbit/s

95th percentile per-packet one-way delay: 48.684 ms

Loss rate: 0.93%

Run 6: Report of Vivace-latency — Data Link

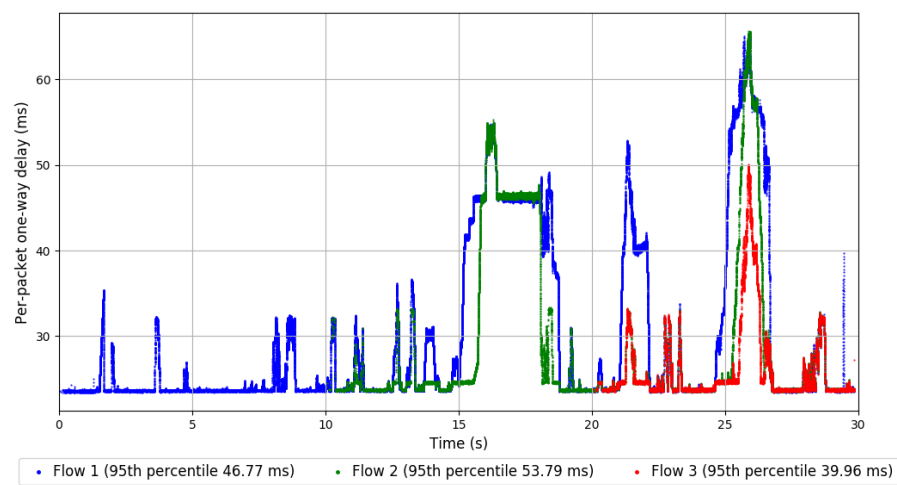
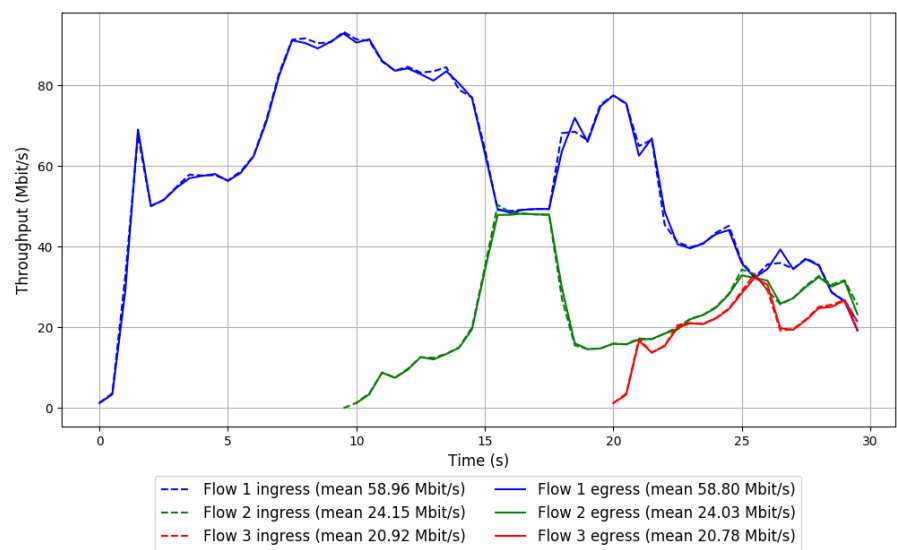


Run 7: Statistics of Vivace-latency

Start at: 2018-02-03 00:48:07
End at: 2018-02-03 00:48:37
Local clock offset: 0.831 ms
Remote clock offset: -0.776 ms

Below is generated by plot.py at 2018-02-03 07:00:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.59 Mbit/s
95th percentile per-packet one-way delay: 48.256 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 46.767 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 53.786 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 39.964 ms
Loss rate: 1.19%

Run 7: Report of Vivace-latency — Data Link

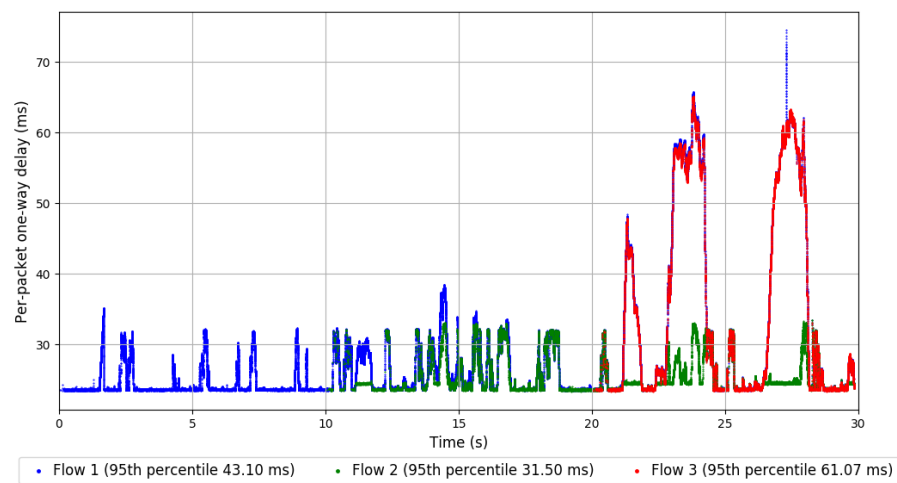
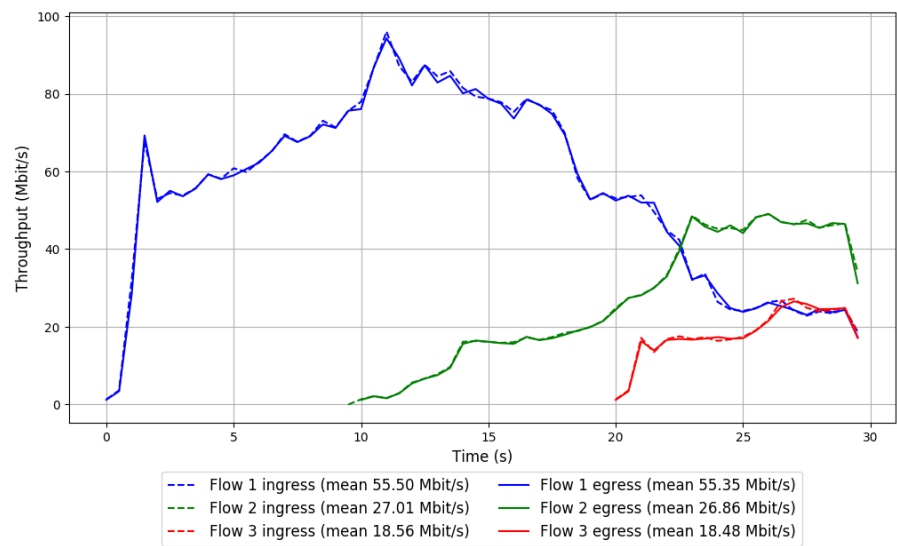


Run 8: Statistics of Vivace-latency

Start at: 2018-02-03 01:13:08
End at: 2018-02-03 01:13:38
Local clock offset: 1.094 ms
Remote clock offset: -1.913 ms

Below is generated by plot.py at 2018-02-03 07:00:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 51.519 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: 43.096 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 31.505 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 18.48 Mbit/s
95th percentile per-packet one-way delay: 61.074 ms
Loss rate: 0.96%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

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

End at: 2018-02-03 01:38:16

Local clock offset: 0.997 ms

Remote clock offset: -3.33 ms

Below is generated by plot.py at 2018-02-03 07:00:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 54.360 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 53.07 Mbit/s

95th percentile per-packet one-way delay: 54.342 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 47.815 ms

Loss rate: 0.50%

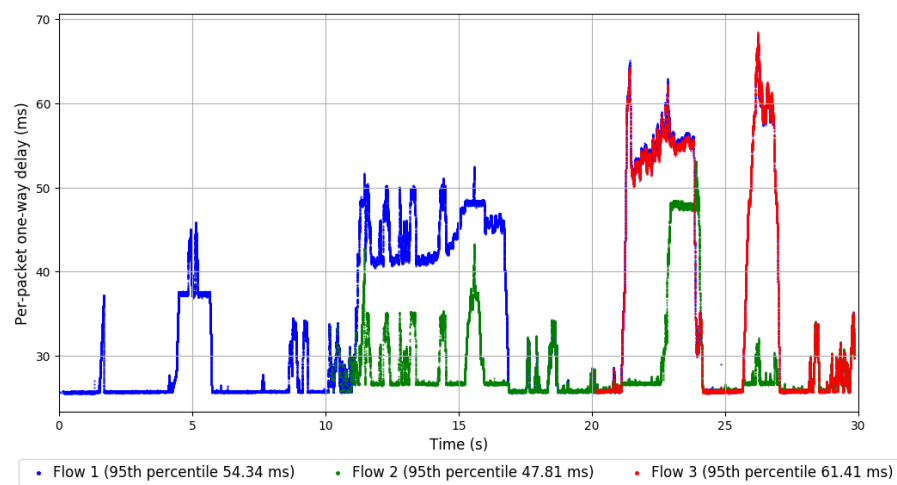
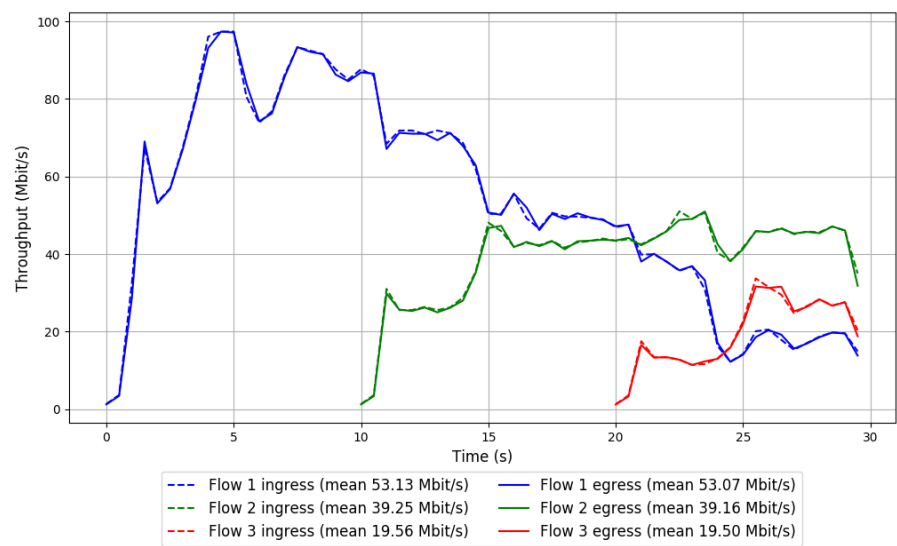
-- Flow 3:

Average throughput: 19.50 Mbit/s

95th percentile per-packet one-way delay: 61.405 ms

Loss rate: 0.85%

Run 9: Report of Vivace-latency — Data Link

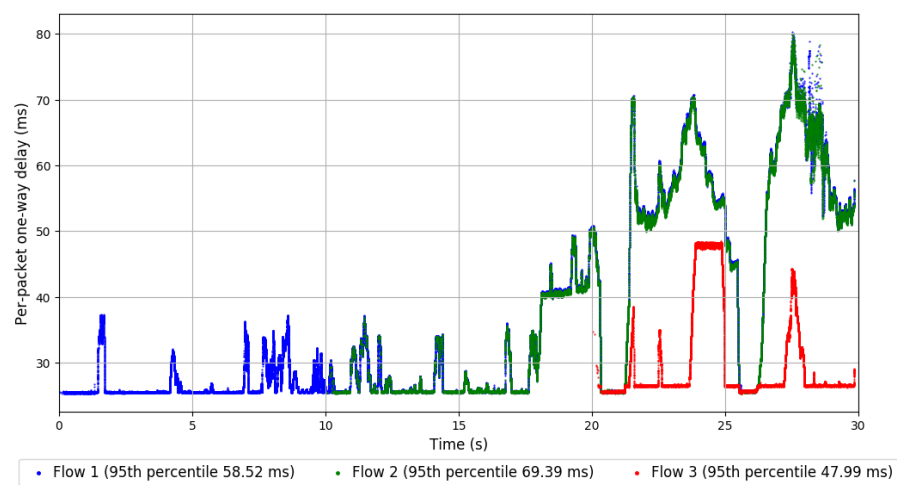
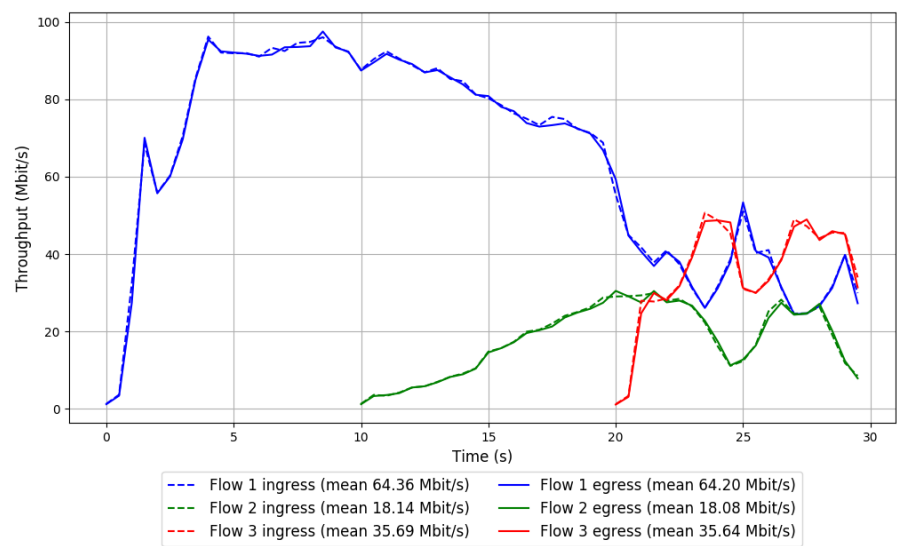


Run 10: Statistics of Vivace-latency

Start at: 2018-02-03 02:02:46
End at: 2018-02-03 02:03:16
Local clock offset: 0.993 ms
Remote clock offset: -1.618 ms

Below is generated by plot.py at 2018-02-03 07:00:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 62.591 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 58.522 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 69.392 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 47.988 ms
Loss rate: 0.79%

Run 10: Report of Vivace-latency — Data Link

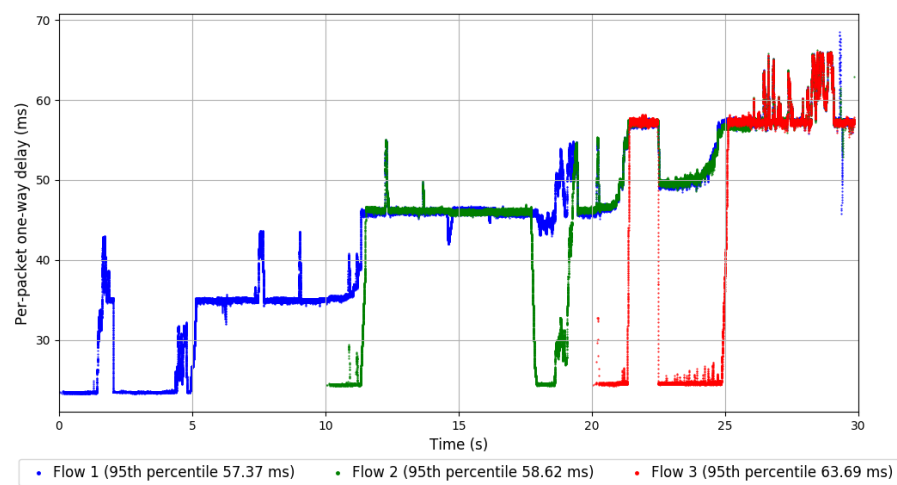
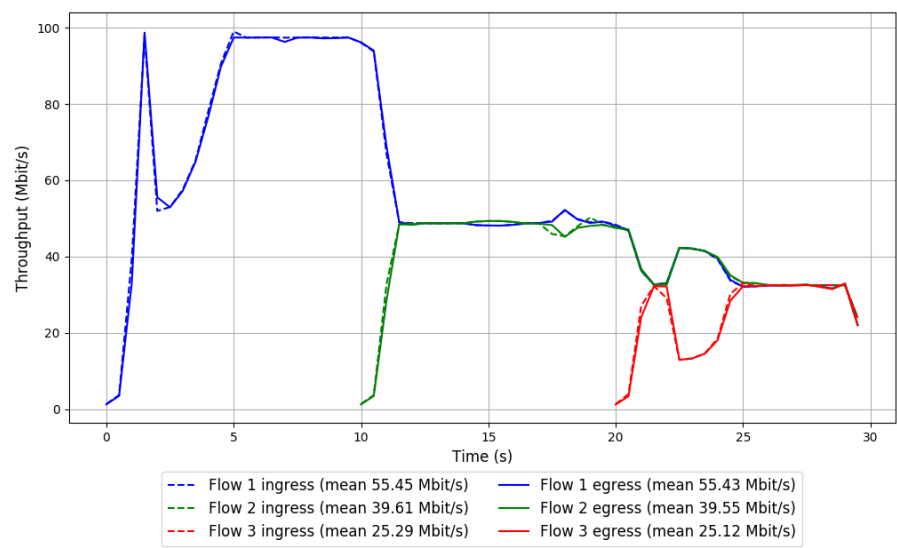


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-02 22:09:27
End at: 2018-02-02 22:09:58
Local clock offset: 0.855 ms
Remote clock offset: -4.904 ms

# Below is generated by plot.py at 2018-02-03 07:00:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 57.848 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 55.43 Mbit/s
95th percentile per-packet one-way delay: 57.370 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 58.619 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 63.691 ms
Loss rate: 1.35%
```

Run 1: Report of Vivace-loss — Data Link

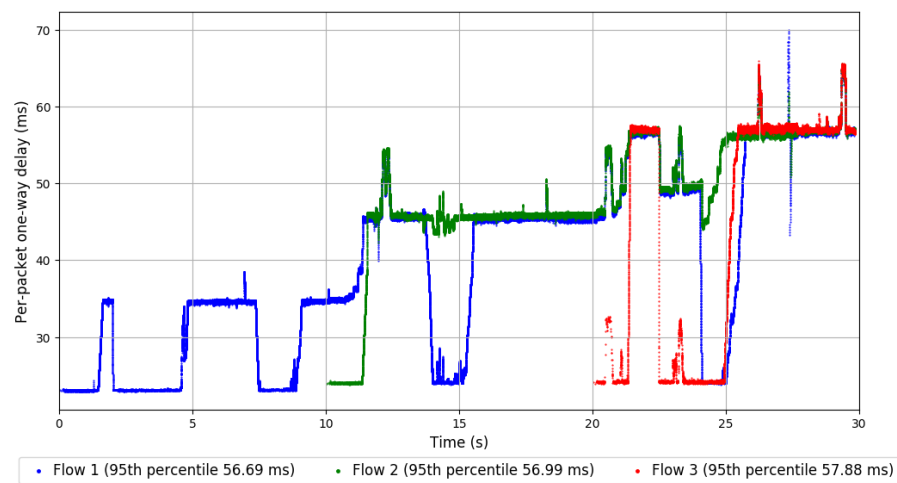
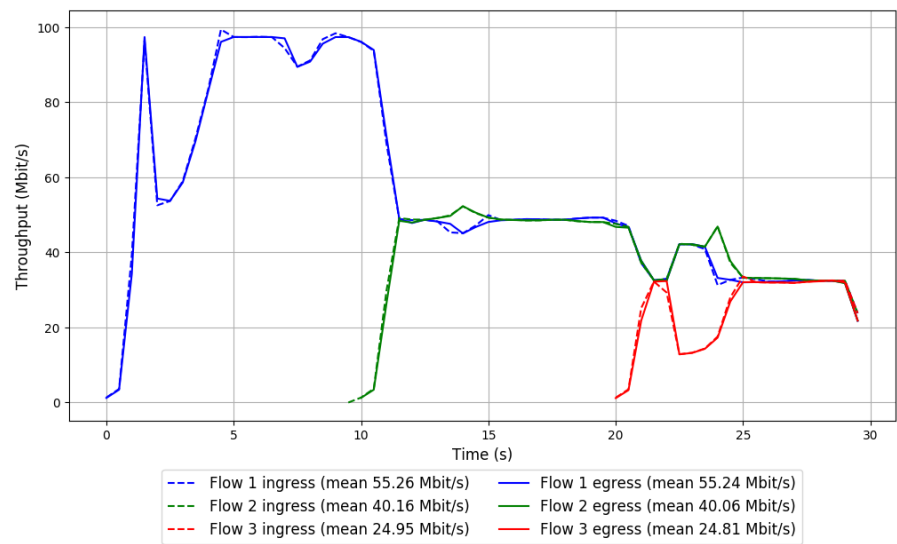


Run 2: Statistics of Vivace-loss

Start at: 2018-02-02 22:34:08
End at: 2018-02-02 22:34:38
Local clock offset: 1.038 ms
Remote clock offset: -2.687 ms

Below is generated by plot.py at 2018-02-03 07:01:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 57.083 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 56.691 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 56.991 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 57.883 ms
Loss rate: 1.25%

Run 2: Report of Vivace-loss — Data Link

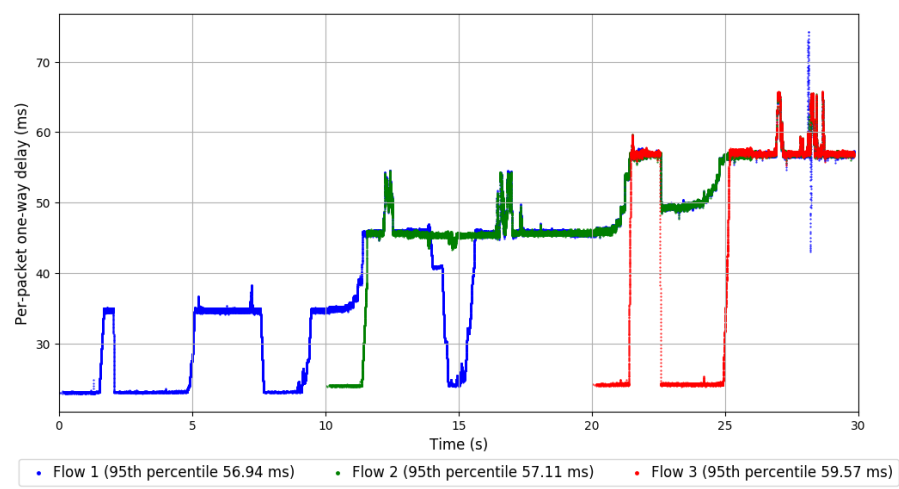
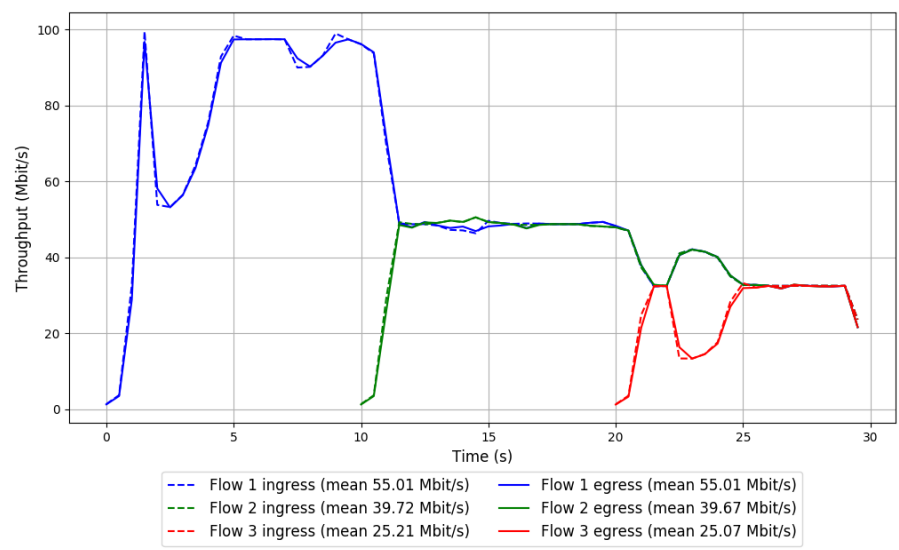


Run 3: Statistics of Vivace-loss

Start at: 2018-02-02 22:58:49
End at: 2018-02-02 22:59:19
Local clock offset: 1.063 ms
Remote clock offset: -0.887 ms

Below is generated by plot.py at 2018-02-03 07:01:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 57.136 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 55.01 Mbit/s
95th percentile per-packet one-way delay: 56.942 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 57.106 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 59.568 ms
Loss rate: 1.28%

Run 3: Report of Vivace-loss — Data Link

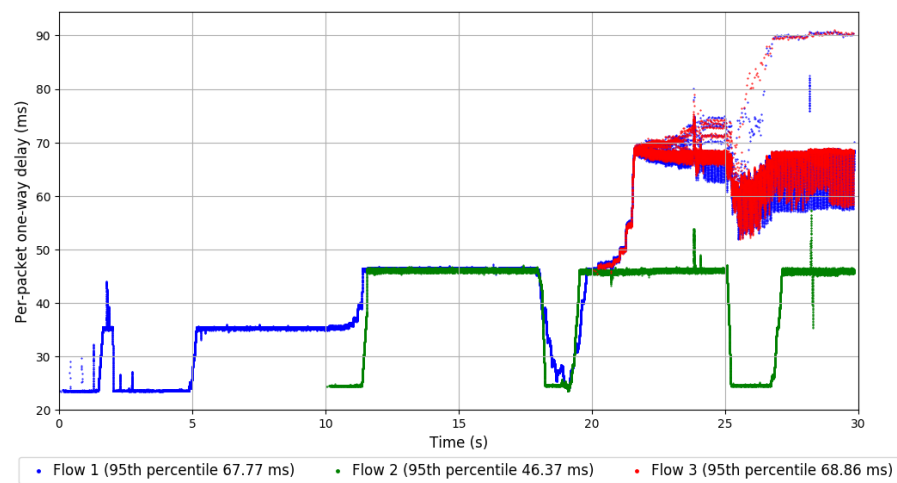
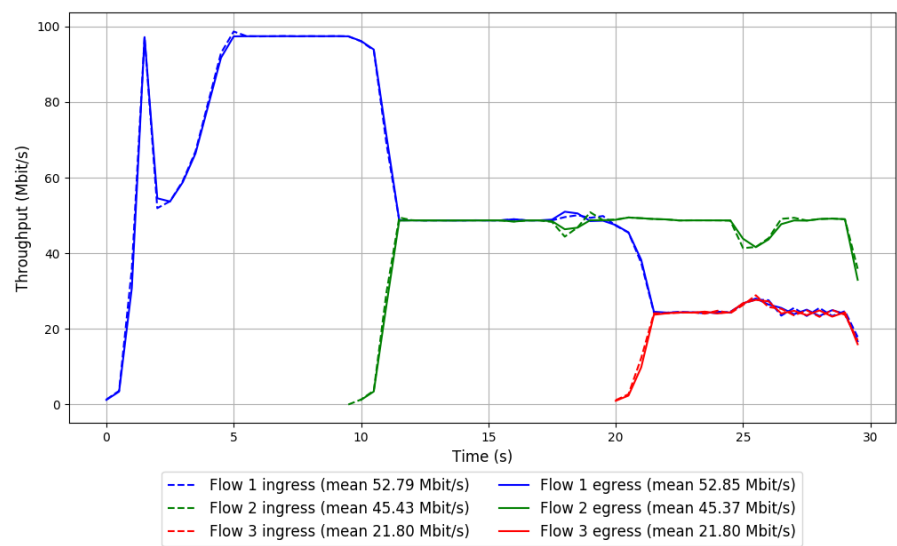


Run 4: Statistics of Vivace-loss

Start at: 2018-02-02 23:23:27
End at: 2018-02-02 23:23:57
Local clock offset: 1.117 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-02-03 07:01:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 68.018 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: 67.771 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 45.37 Mbit/s
95th percentile per-packet one-way delay: 46.372 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 68.861 ms
Loss rate: 1.00%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-02 23:48:04

End at: 2018-02-02 23:48:34

Local clock offset: 1.102 ms

Remote clock offset: 1.034 ms

Below is generated by plot.py at 2018-02-03 07:01:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.76 Mbit/s

95th percentile per-packet one-way delay: 67.959 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 67.835 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 45.41 Mbit/s

95th percentile per-packet one-way delay: 53.185 ms

Loss rate: 0.71%

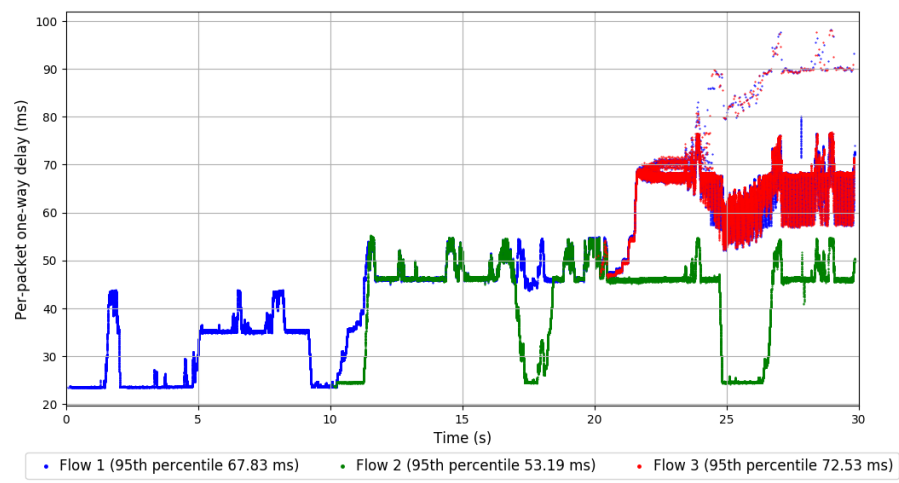
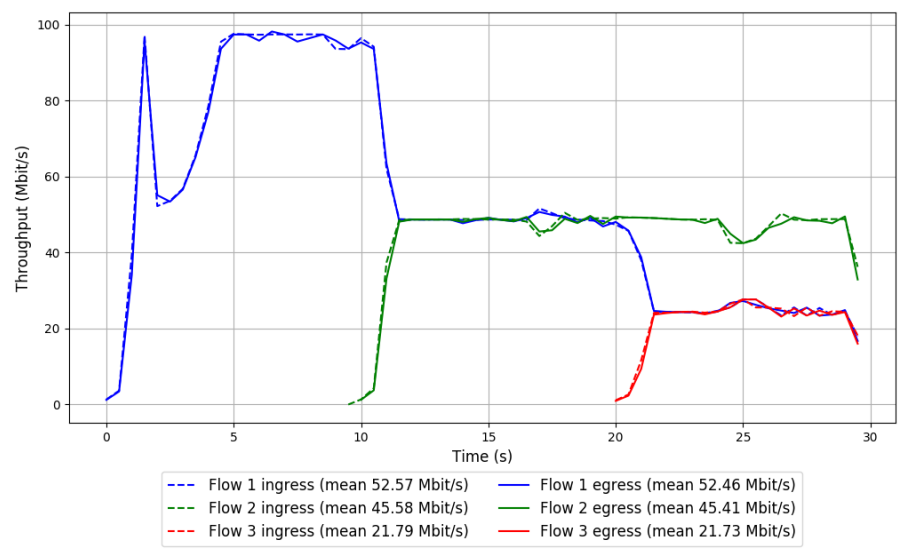
-- Flow 3:

Average throughput: 21.73 Mbit/s

95th percentile per-packet one-way delay: 72.533 ms

Loss rate: 1.55%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-03 00:13:34

End at: 2018-02-03 00:14:04

Local clock offset: 0.896 ms

Remote clock offset: 1.575 ms

Below is generated by plot.py at 2018-02-03 07:01:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 67.244 ms

Loss rate: 4.16%

-- Flow 1:

Average throughput: 51.15 Mbit/s

95th percentile per-packet one-way delay: 67.032 ms

Loss rate: 3.16%

-- Flow 2:

Average throughput: 45.62 Mbit/s

95th percentile per-packet one-way delay: 53.315 ms

Loss rate: 6.08%

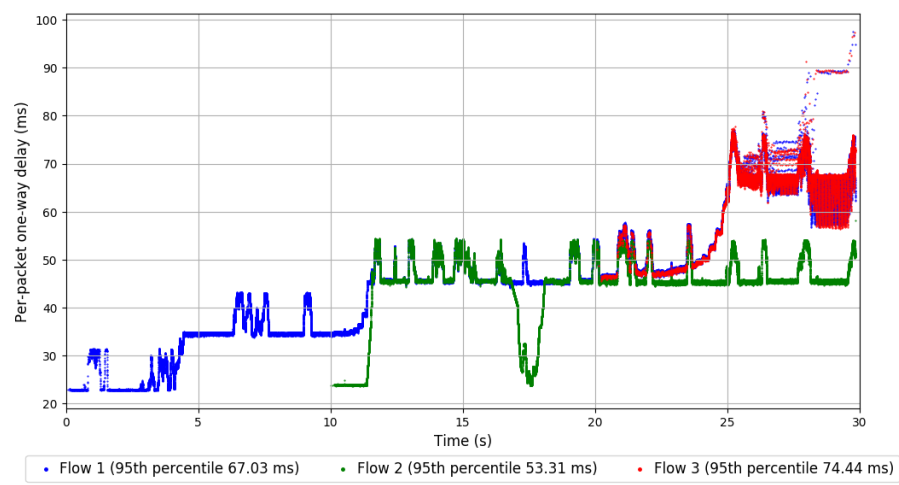
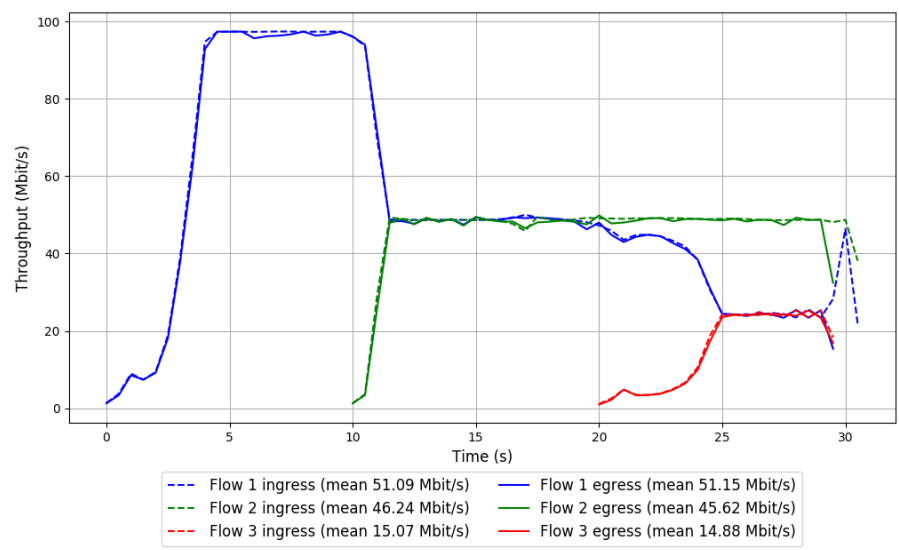
-- Flow 3:

Average throughput: 14.88 Mbit/s

95th percentile per-packet one-way delay: 74.444 ms

Loss rate: 2.24%

Run 6: Report of Vivace-loss — Data Link

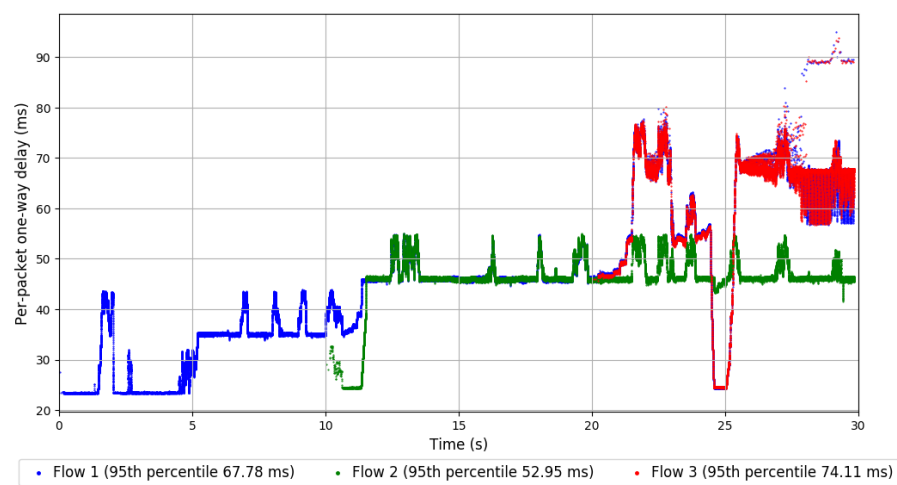
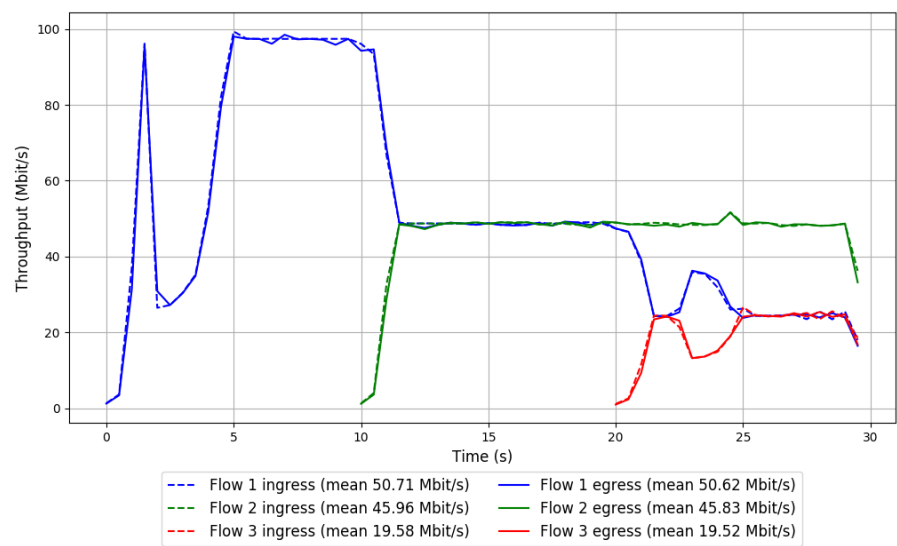


Run 7: Statistics of Vivace-loss

Start at: 2018-02-03 00:38:23
End at: 2018-02-03 00:38:53
Local clock offset: 0.749 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-02-03 07:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 67.922 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 50.62 Mbit/s
95th percentile per-packet one-way delay: 67.778 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 45.83 Mbit/s
95th percentile per-packet one-way delay: 52.955 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 74.112 ms
Loss rate: 1.33%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-03 01:03:06

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

Local clock offset: 0.998 ms

Remote clock offset: -1.66 ms

Below is generated by plot.py at 2018-02-03 07:02:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 61.811 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 57.18 Mbit/s

95th percentile per-packet one-way delay: 58.269 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 36.23 Mbit/s

95th percentile per-packet one-way delay: 62.762 ms

Loss rate: 0.76%

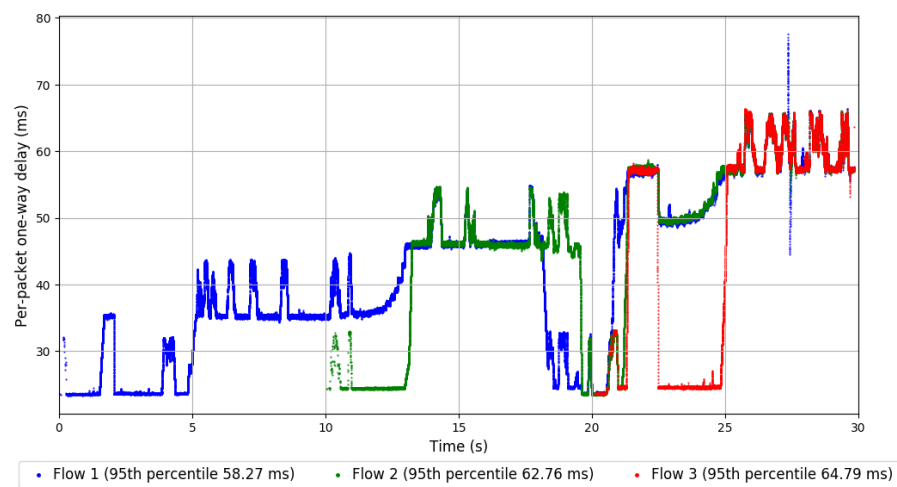
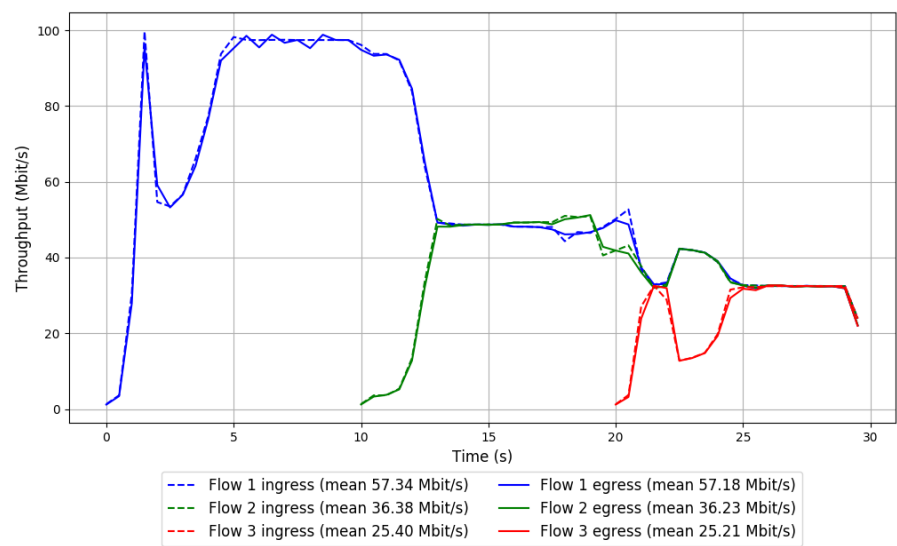
-- Flow 3:

Average throughput: 25.21 Mbit/s

95th percentile per-packet one-way delay: 64.787 ms

Loss rate: 1.41%

Run 8: Report of Vivace-loss — Data Link

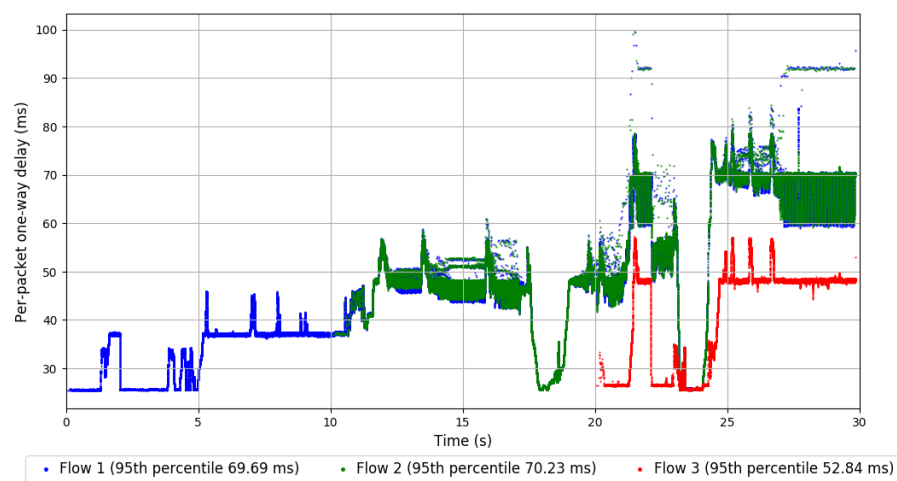
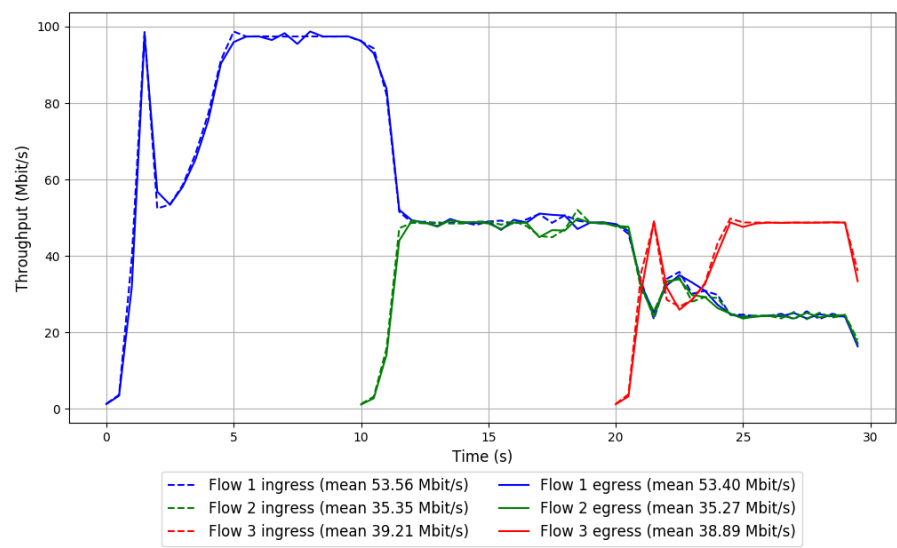


Run 9: Statistics of Vivace-loss

Start at: 2018-02-03 01:28:09
End at: 2018-02-03 01:28:39
Local clock offset: 1.045 ms
Remote clock offset: -3.801 ms

Below is generated by plot.py at 2018-02-03 07:02:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.61 Mbit/s
95th percentile per-packet one-way delay: 69.926 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 53.40 Mbit/s
95th percentile per-packet one-way delay: 69.685 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 70.231 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 52.837 ms
Loss rate: 1.41%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-03 01:52:54

End at: 2018-02-03 01:53:24

Local clock offset: 1.004 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2018-02-03 07:02:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.81 Mbit/s

95th percentile per-packet one-way delay: 57.225 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 54.74 Mbit/s

95th percentile per-packet one-way delay: 56.782 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 38.88 Mbit/s

95th percentile per-packet one-way delay: 57.724 ms

Loss rate: 0.56%

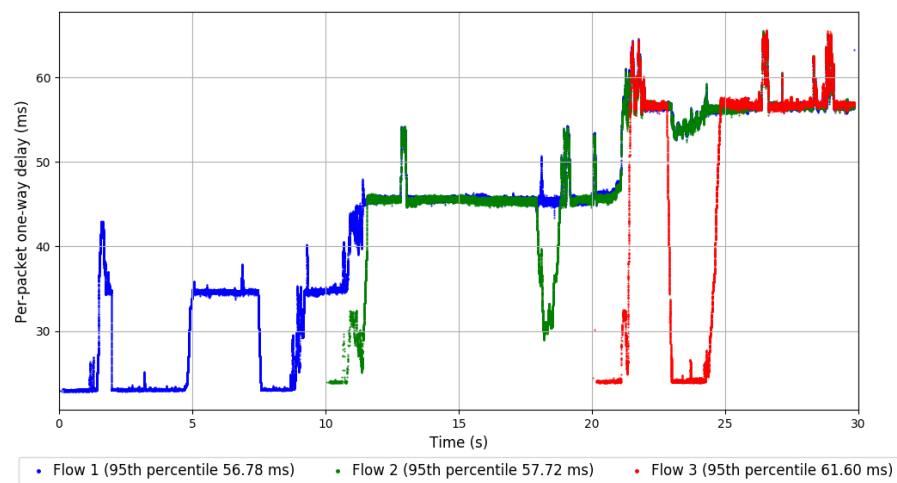
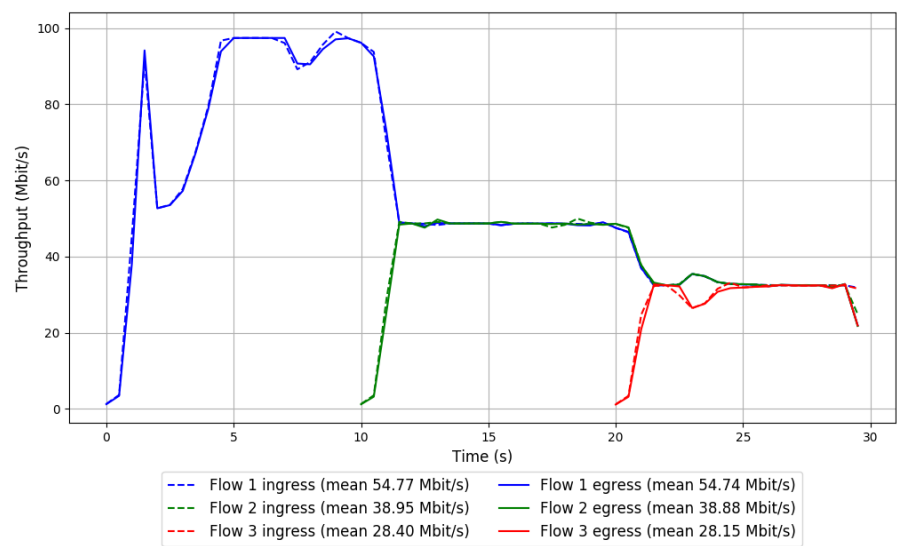
-- Flow 3:

Average throughput: 28.15 Mbit/s

95th percentile per-packet one-way delay: 61.597 ms

Loss rate: 2.47%

Run 10: Report of Vivace-loss — Data Link

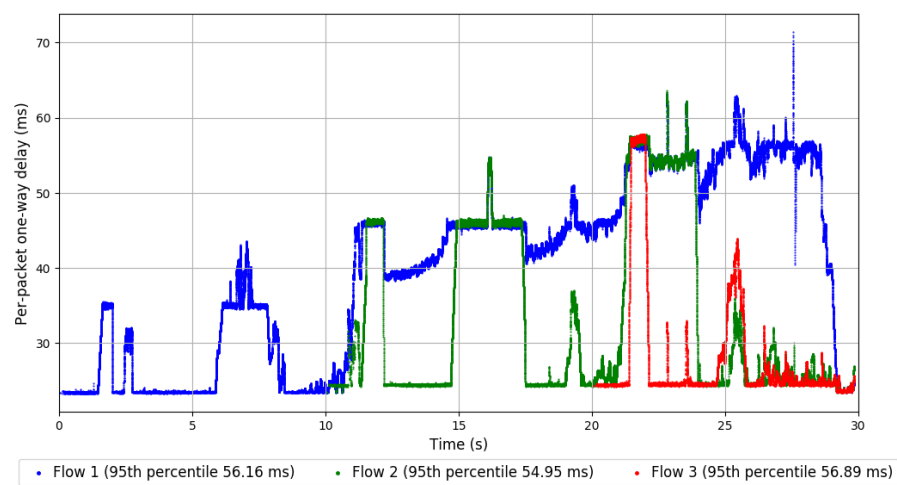
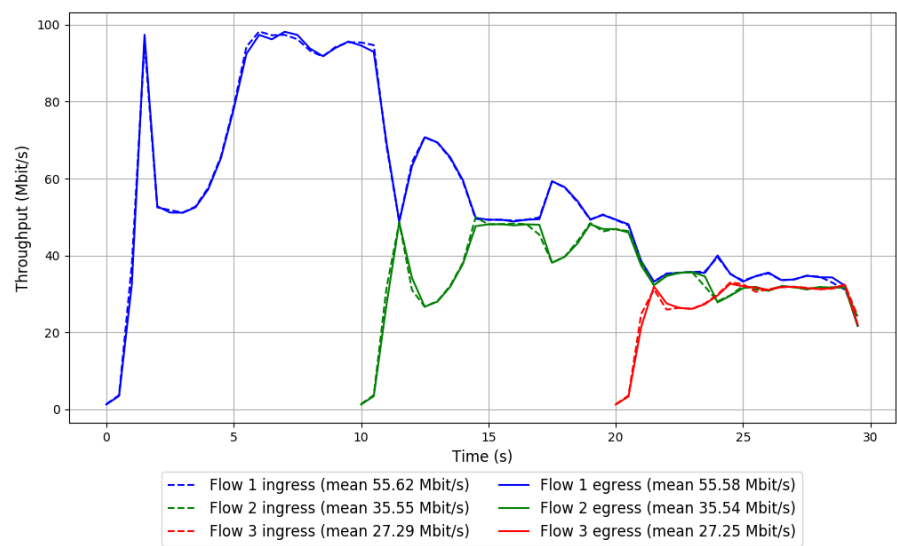


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-02 22:16:20
End at: 2018-02-02 22:16:50
Local clock offset: 0.797 ms
Remote clock offset: -4.425 ms

Below is generated by plot.py at 2018-02-03 07:02:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 56.121 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 56.160 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 54.947 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 27.25 Mbit/s
95th percentile per-packet one-way delay: 56.887 ms
Loss rate: 0.69%

Run 1: Report of Vivace-LTE — Data Link

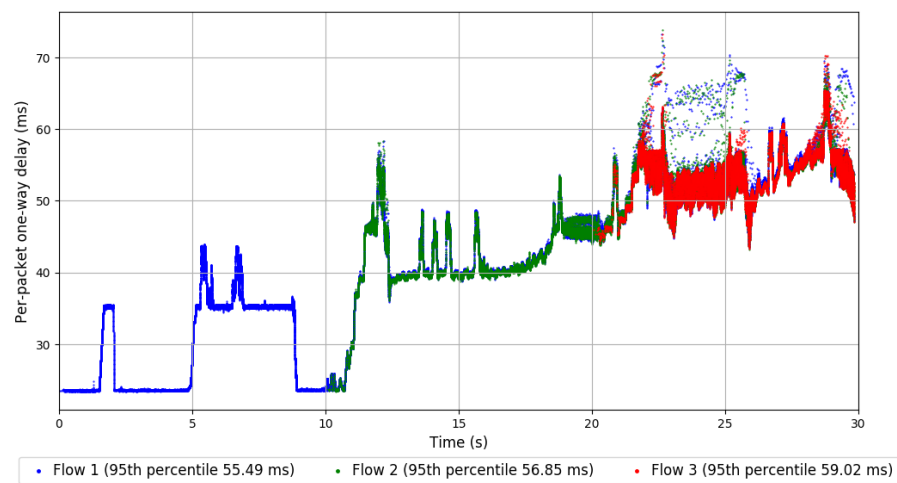
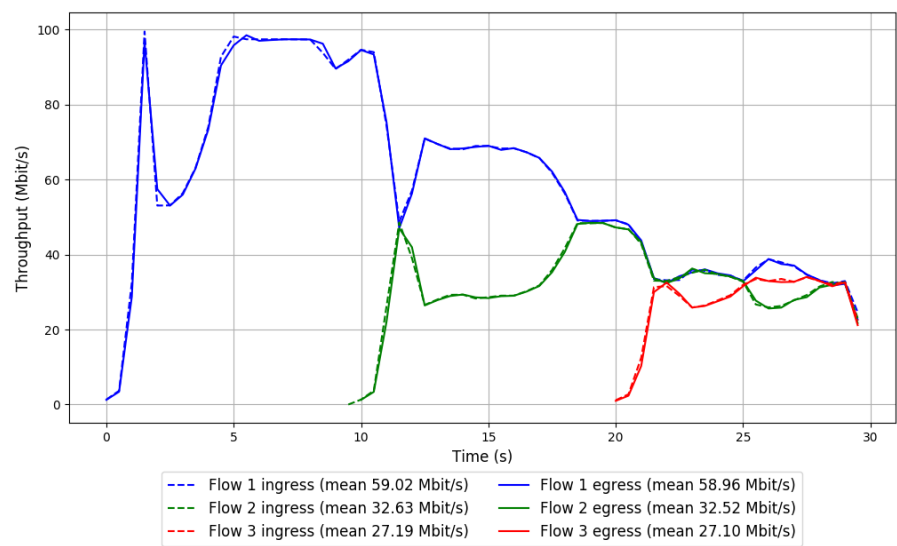


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-02 22:40:59
End at: 2018-02-02 22:41:29
Local clock offset: 1.103 ms
Remote clock offset: -2.705 ms

Below is generated by plot.py at 2018-02-03 07:02:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 56.569 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 55.487 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 56.848 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 59.023 ms
Loss rate: 1.10%

Run 2: Report of Vivace-LTE — Data Link

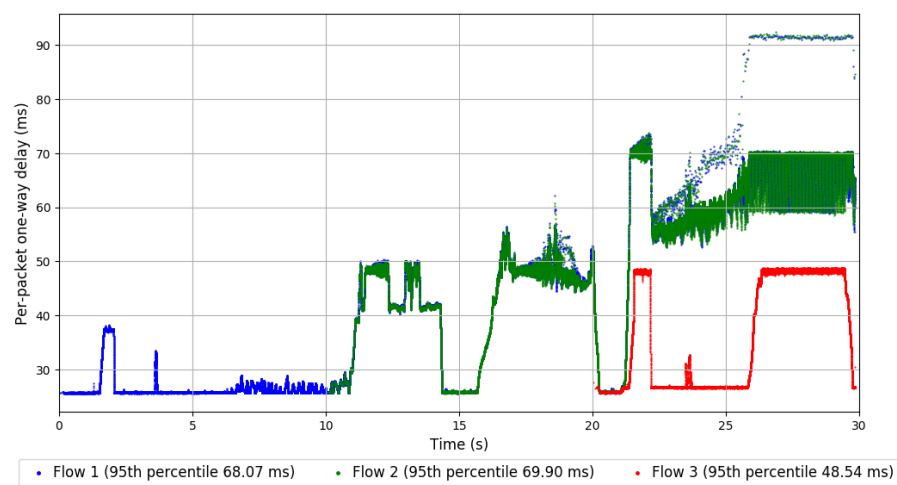
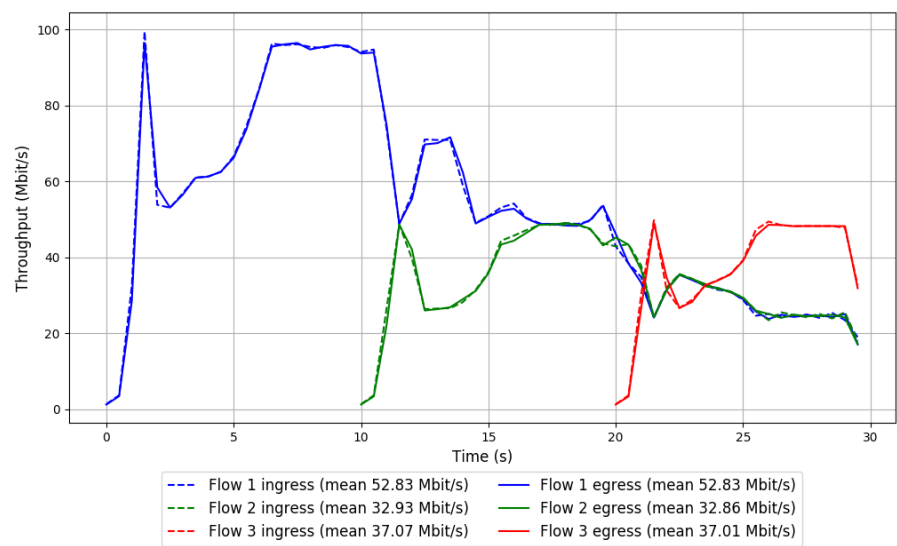


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-02 23:05:41
End at: 2018-02-02 23:06:11
Local clock offset: 1.053 ms
Remote clock offset: -3.057 ms

Below is generated by plot.py at 2018-02-03 07:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.84 Mbit/s
95th percentile per-packet one-way delay: 69.428 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 68.072 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 69.899 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 48.536 ms
Loss rate: 0.68%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-02 23:30:18

End at: 2018-02-02 23:30:48

Local clock offset: 1.156 ms

Remote clock offset: 0.441 ms

Below is generated by plot.py at 2018-02-03 07:02:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 55.615 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 54.14 Mbit/s

95th percentile per-packet one-way delay: 55.827 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.24 Mbit/s

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

Loss rate: 0.25%

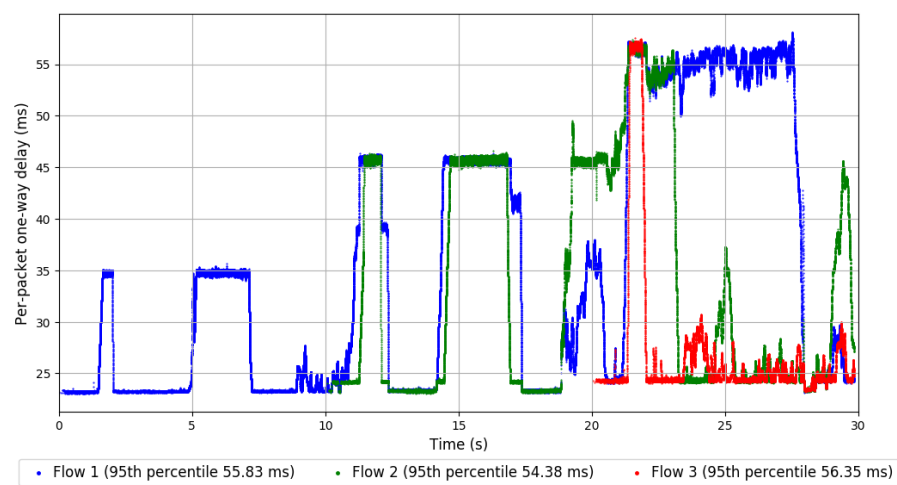
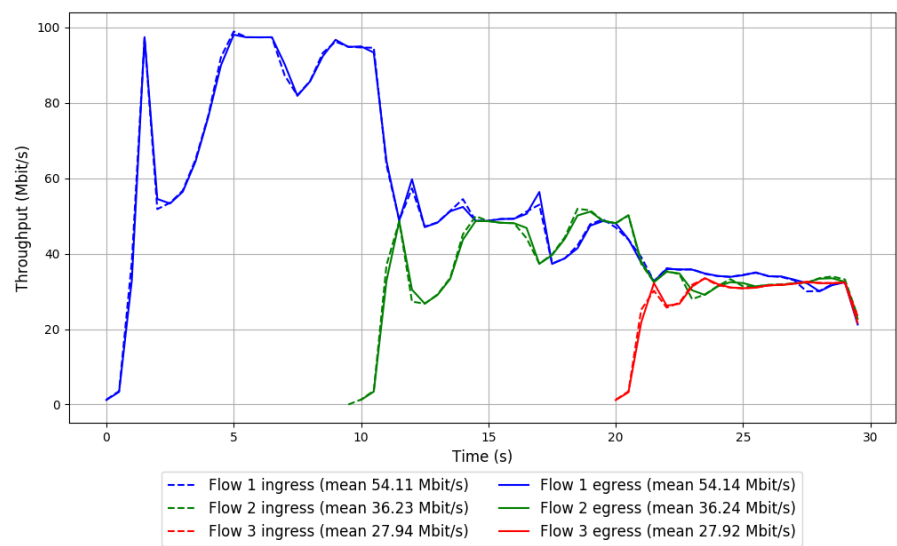
-- Flow 3:

Average throughput: 27.92 Mbit/s

95th percentile per-packet one-way delay: 56.349 ms

Loss rate: 0.63%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-02 23:55:05

End at: 2018-02-02 23:55:35

Local clock offset: 1.165 ms

Remote clock offset: 1.617 ms

Below is generated by plot.py at 2018-02-03 07:03:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 55.272 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 54.11 Mbit/s

95th percentile per-packet one-way delay: 53.338 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 35.14 Mbit/s

95th percentile per-packet one-way delay: 59.145 ms

Loss rate: 0.70%

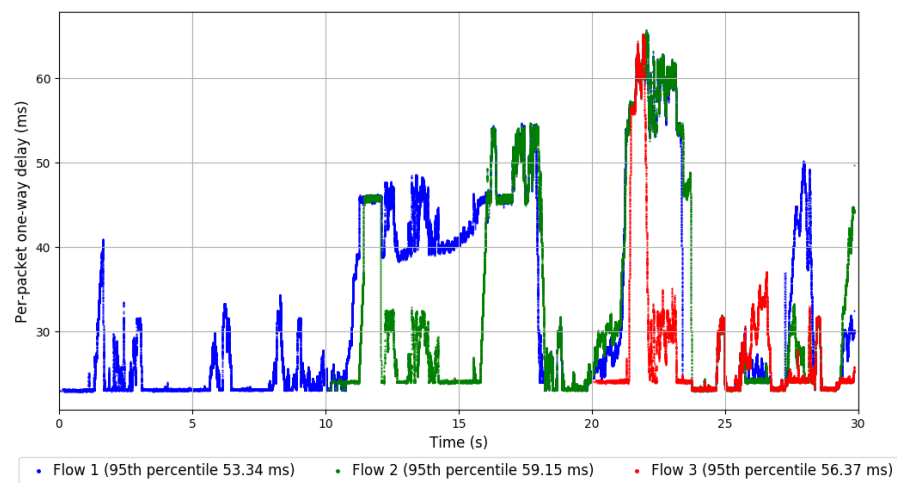
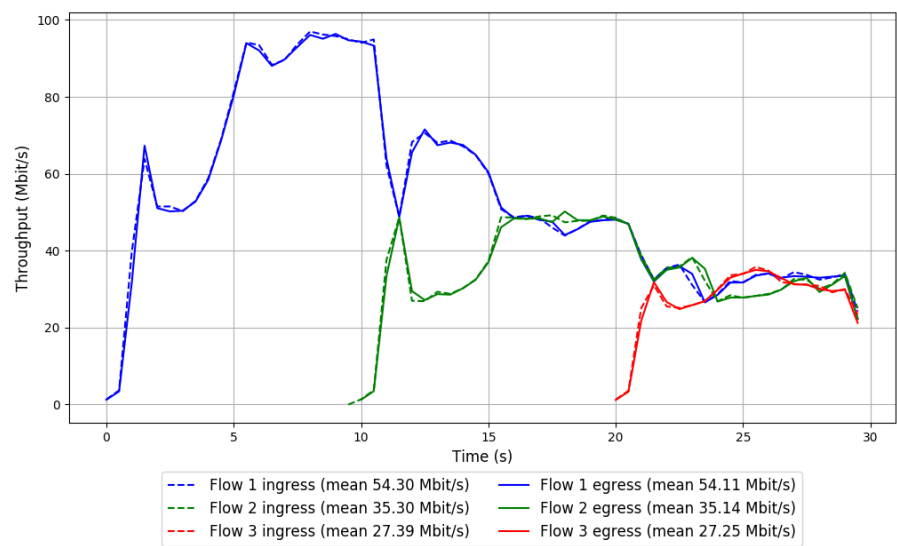
-- Flow 3:

Average throughput: 27.25 Mbit/s

95th percentile per-packet one-way delay: 56.369 ms

Loss rate: 1.04%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-02-03 00:20:36

End at: 2018-02-03 00:21:06

Local clock offset: 0.788 ms

Remote clock offset: 0.944 ms

Below is generated by plot.py at 2018-02-03 07:03:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.29 Mbit/s

95th percentile per-packet one-way delay: 61.462 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 57.89 Mbit/s

95th percentile per-packet one-way delay: 59.047 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 30.64 Mbit/s

95th percentile per-packet one-way delay: 62.707 ms

Loss rate: 0.70%

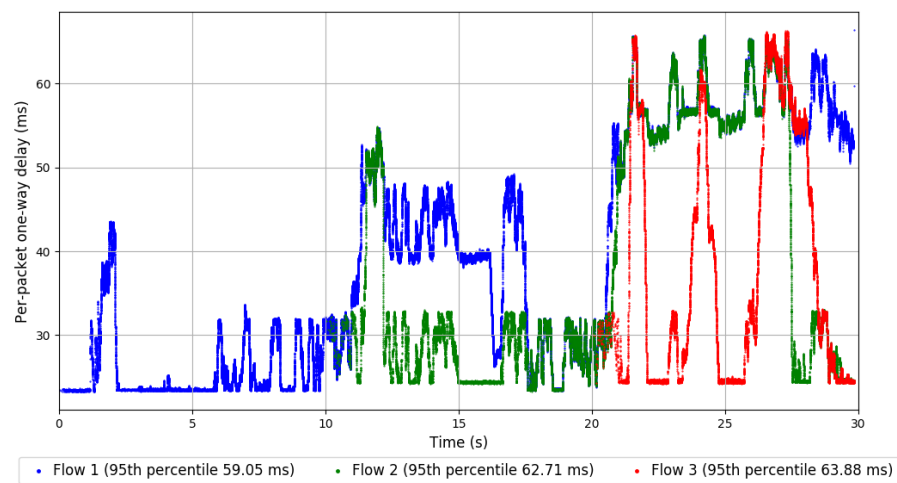
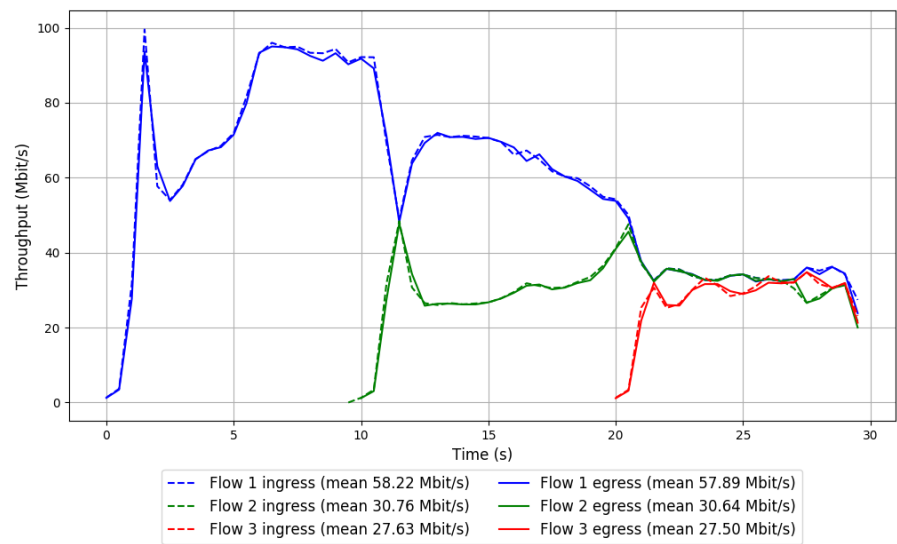
-- Flow 3:

Average throughput: 27.50 Mbit/s

95th percentile per-packet one-way delay: 63.879 ms

Loss rate: 1.08%

Run 6: Report of Vivace-LTE — Data Link

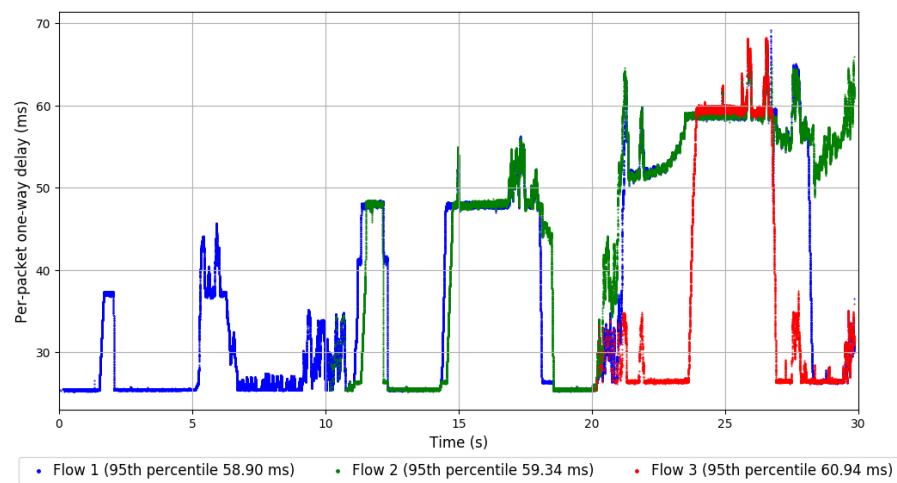
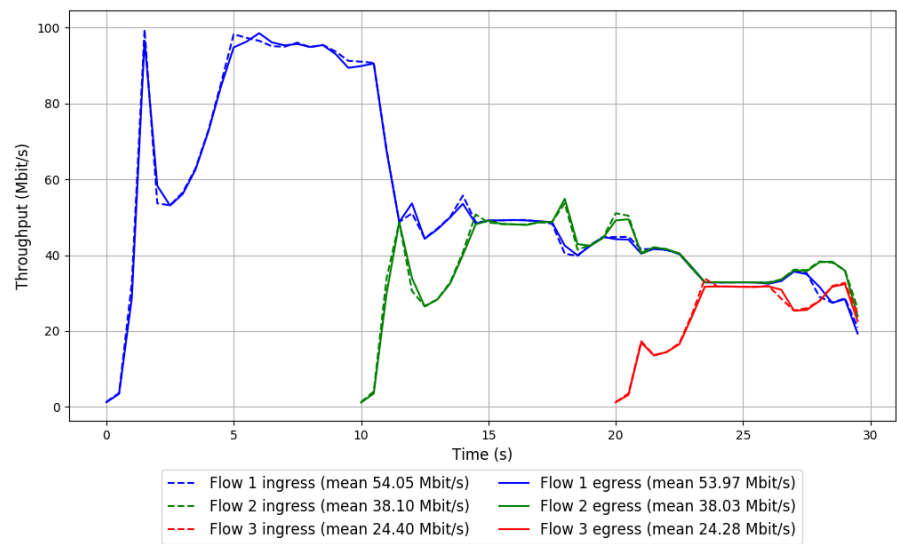


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-03 00:45:16
End at: 2018-02-03 00:45:46
Local clock offset: 0.729 ms
Remote clock offset: -2.518 ms

Below is generated by plot.py at 2018-02-03 07:03:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 59.409 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 58.902 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 59.337 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 60.939 ms
Loss rate: 1.01%

Run 7: Report of Vivace-LTE — Data Link

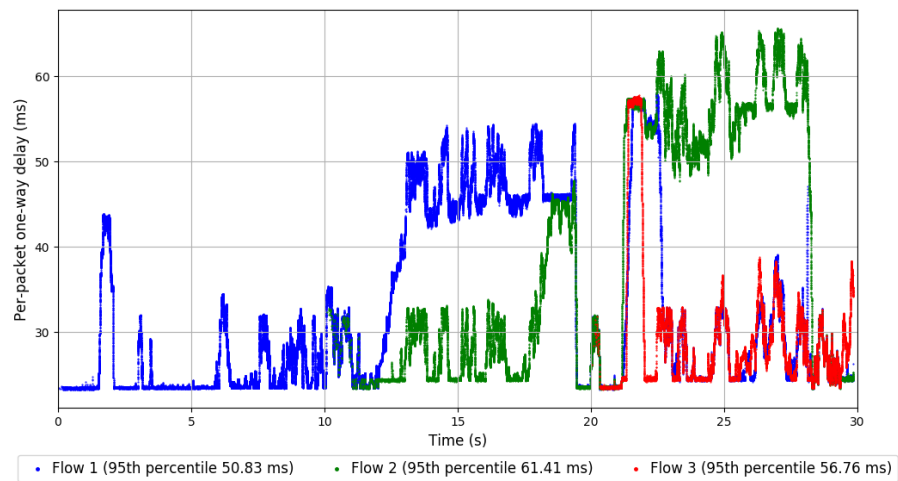
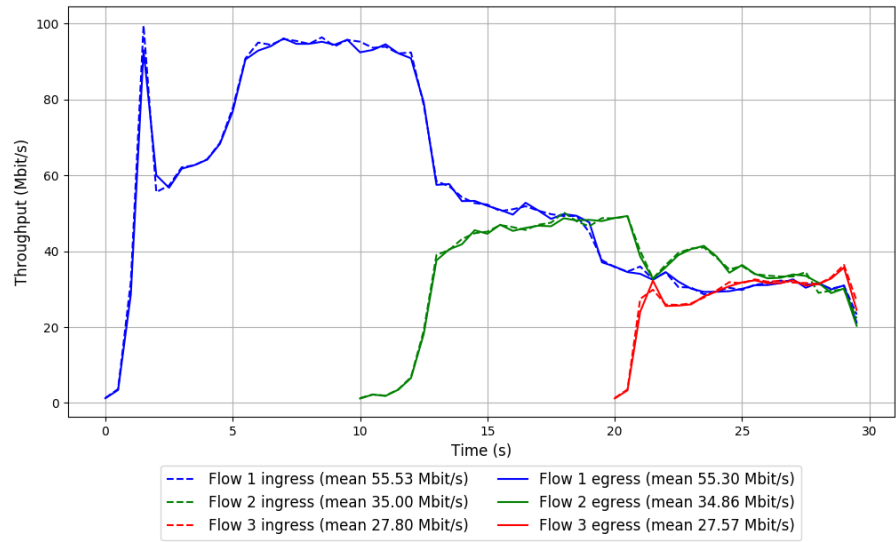


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-03 01:10:17
End at: 2018-02-03 01:10:47
Local clock offset: 1.049 ms
Remote clock offset: -1.857 ms

Below is generated by plot.py at 2018-02-03 07:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.53 Mbit/s
95th percentile per-packet one-way delay: 56.639 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 55.30 Mbit/s
95th percentile per-packet one-way delay: 50.831 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 61.405 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 27.57 Mbit/s
95th percentile per-packet one-way delay: 56.759 ms
Loss rate: 1.40%

Run 8: Report of Vivace-LTE — Data Link

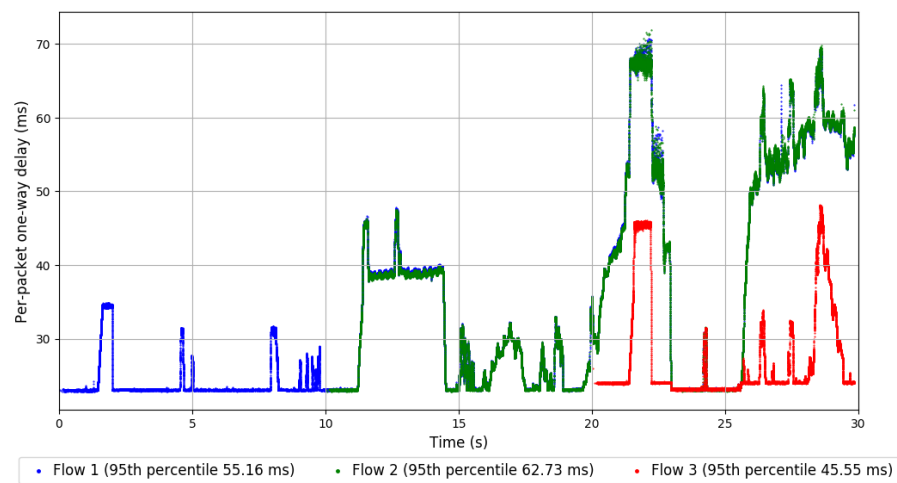
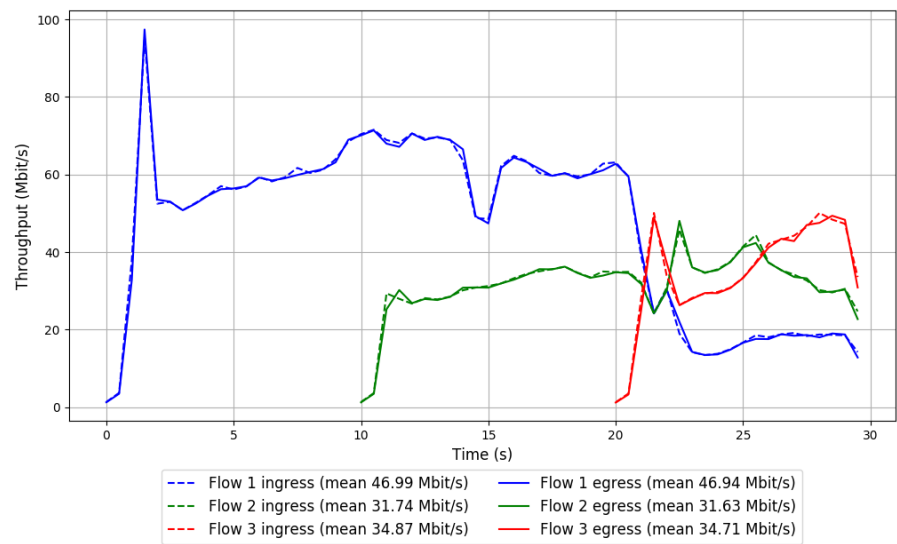


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-03 01:35:00
End at: 2018-02-03 01:35:30
Local clock offset: 1.107 ms
Remote clock offset: -0.792 ms

Below is generated by plot.py at 2018-02-03 07:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 58.441 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 55.160 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 62.727 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 45.545 ms
Loss rate: 1.01%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-03 01:59:49
End at: 2018-02-03 02:00:19
Local clock offset: 1.04 ms
Remote clock offset: -1.859 ms

Below is generated by plot.py at 2018-02-03 07:03:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 57.934 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 58.166 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 41.24 Mbit/s
95th percentile per-packet one-way delay: 48.592 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 61.502 ms
Loss rate: 0.86%

Run 10: Report of Vivace-LTE — Data Link

