

Pantheon Report

Generated at 2018-02-16 19:22:50 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

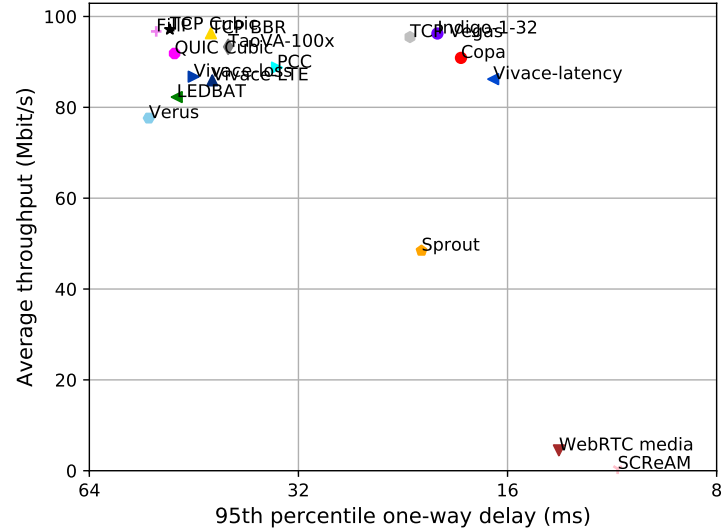
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

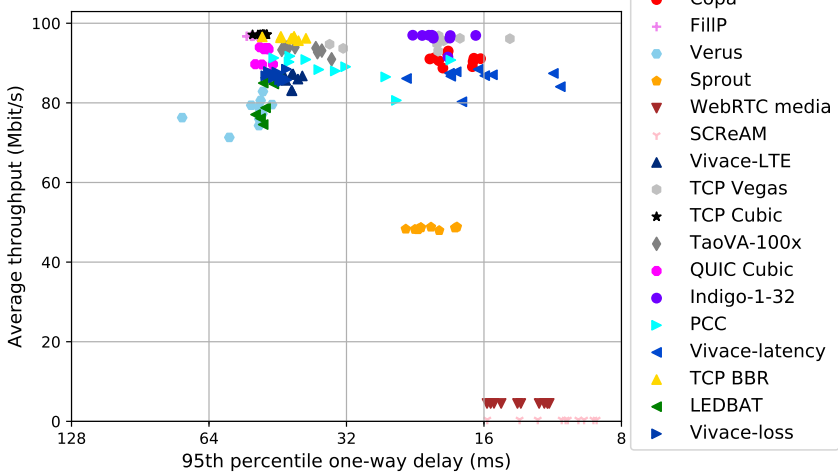
Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



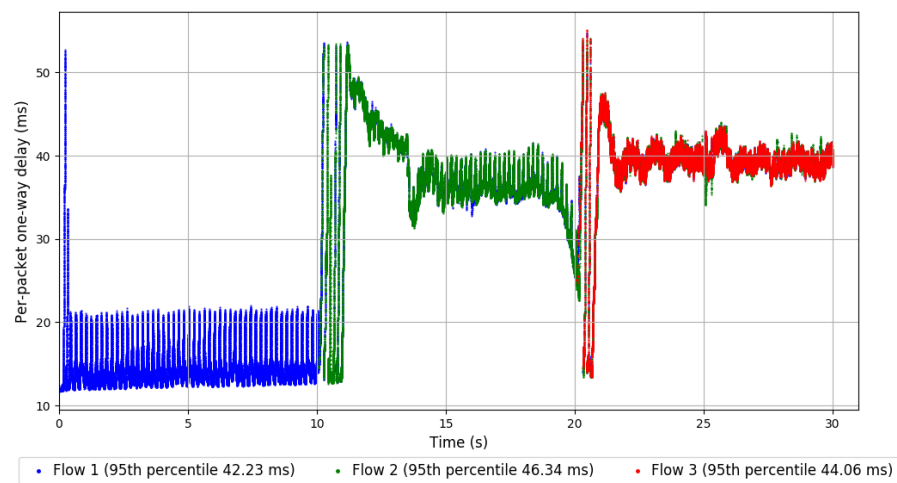
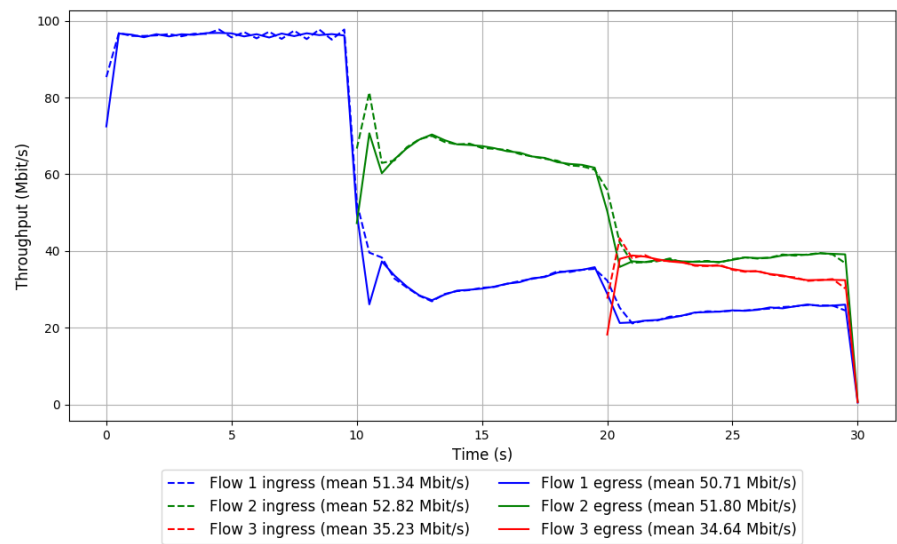
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	57.00	39.53	39.10	40.85	43.51	45.78	1.13	1.90	1.98
TCP Cubic	10	71.01	29.39	19.79	48.81	49.19	49.61	0.75	0.94	0.71
LEDBAT	10	50.68	33.33	28.89	47.63	48.25	48.14	0.34	0.51	0.53
PCC	10	75.36	15.37	9.63	33.84	37.39	36.37	1.35	1.39	1.32
QUIC Cubic	10	64.80	30.56	20.77	48.14	48.41	48.45	1.48	2.02	2.39
SCReAM	10	0.21	0.21	0.22	11.08	11.14	11.12	0.00	0.00	0.00
WebRTC media	10	2.34	1.50	0.65	13.32	13.29	14.19	0.00	0.00	0.00
Sprout	10	24.40	24.25	24.02	20.55	21.38	21.86	0.00	0.00	0.00
TaoVA-100x	10	55.46	38.38	37.04	37.65	41.59	43.02	2.89	5.54	12.49
TCP Vegas	10	54.32	43.15	37.41	22.43	21.27	14.96	0.33	0.00	0.00
Verus	10	51.65	30.61	21.43	53.07	49.57	48.89	35.04	35.52	37.00
Copa	10	55.76	37.91	29.75	18.09	18.83	19.59	0.00	0.00	0.00
FillP	10	49.91	41.04	58.98	51.07	51.39	51.67	27.32	31.78	33.37
Indigo-1-32	10	55.05	38.60	47.69	19.90	20.41	21.06	0.00	0.00	0.00
Vivace-latency	10	59.95	30.67	17.81	15.47	19.80	19.50	0.04	0.05	0.09
Vivace-loss	10	54.35	39.16	19.66	45.12	45.53	44.73	11.64	13.74	12.79
Vivace-LTE	10	57.82	29.97	24.87	40.29	43.86	45.80	1.43	1.98	3.11

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 14:35:42
End at: 2018-02-16 14:36:12
Local clock offset: -4.36 ms
Remote clock offset: 32.245 ms

Below is generated by plot.py at 2018-02-16 18:55:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 44.545 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 42.231 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 51.80 Mbit/s
95th percentile per-packet one-way delay: 46.343 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 44.060 ms
Loss rate: 1.59%

Run 1: Report of TCP BBR — Data Link

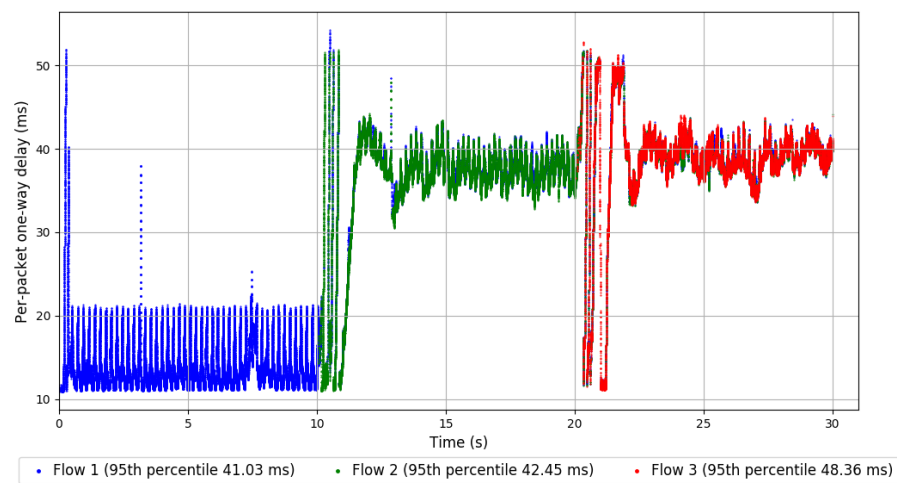
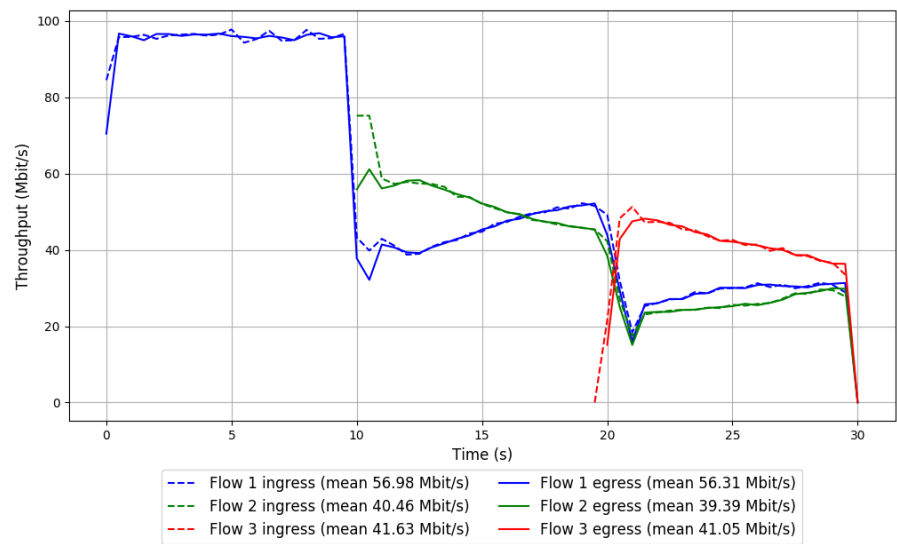


Run 2: Statistics of TCP BBR

Start at: 2018-02-16 14:58:16
End at: 2018-02-16 14:58:46
Local clock offset: -4.109 ms
Remote clock offset: -11.956 ms

Below is generated by plot.py at 2018-02-16 18:55:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 42.044 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 41.034 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 42.445 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 48.356 ms
Loss rate: 1.32%

Run 2: Report of TCP BBR — Data Link

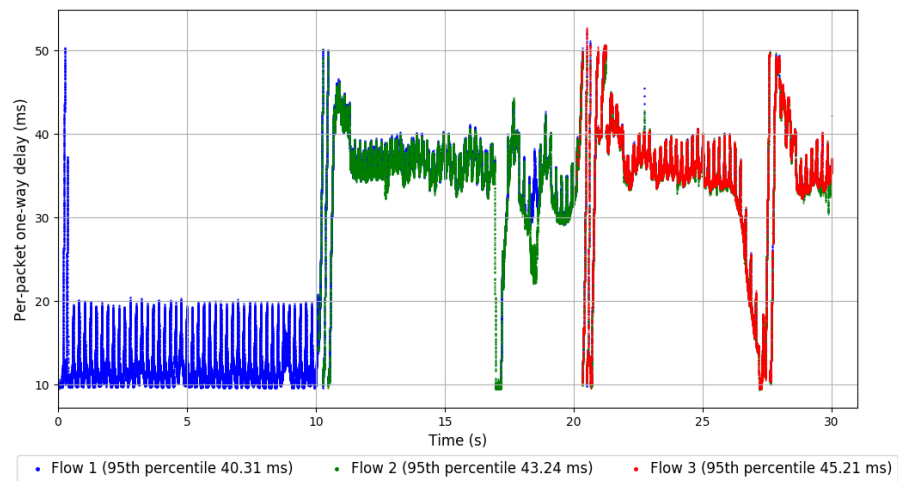
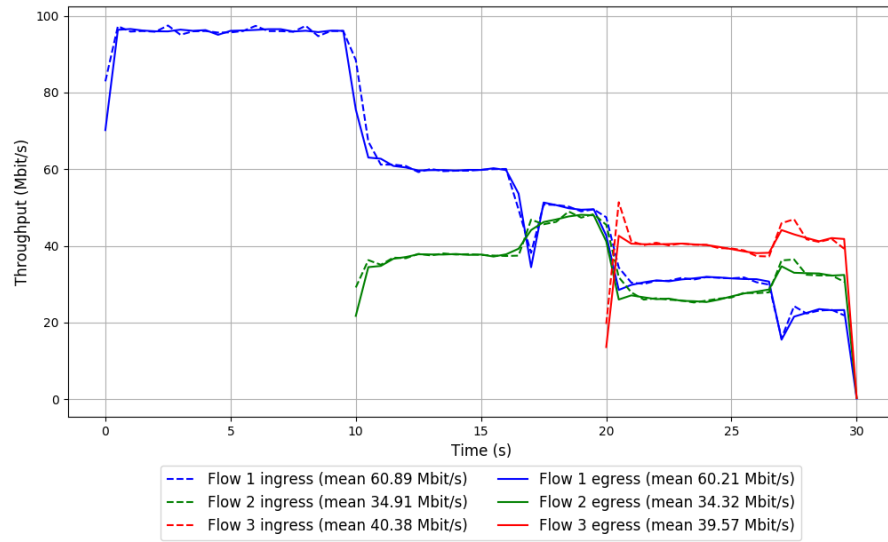


Run 3: Statistics of TCP BBR

Start at: 2018-02-16 15:21:15
End at: 2018-02-16 15:21:45
Local clock offset: -4.07 ms
Remote clock offset: -9.926 ms

Below is generated by plot.py at 2018-02-16 18:55:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 42.289 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 60.21 Mbit/s
95th percentile per-packet one-way delay: 40.309 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 43.242 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 45.209 ms
Loss rate: 1.95%

Run 3: Report of TCP BBR — Data Link

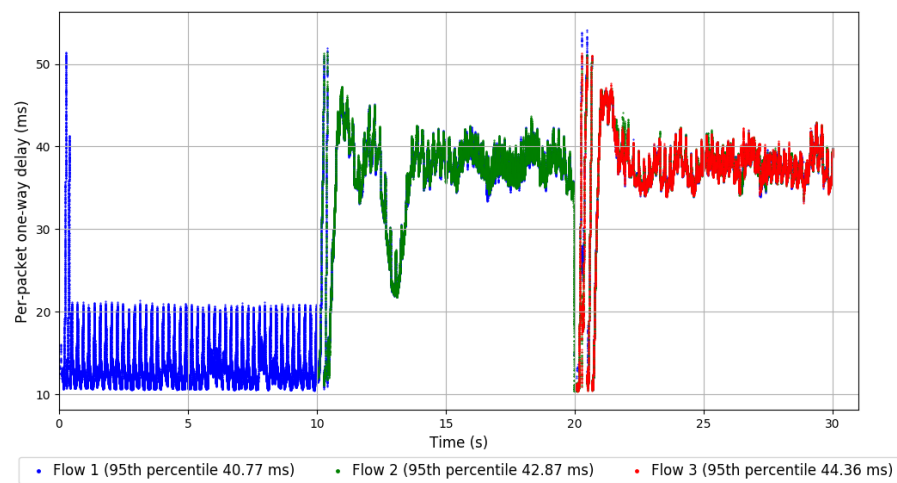
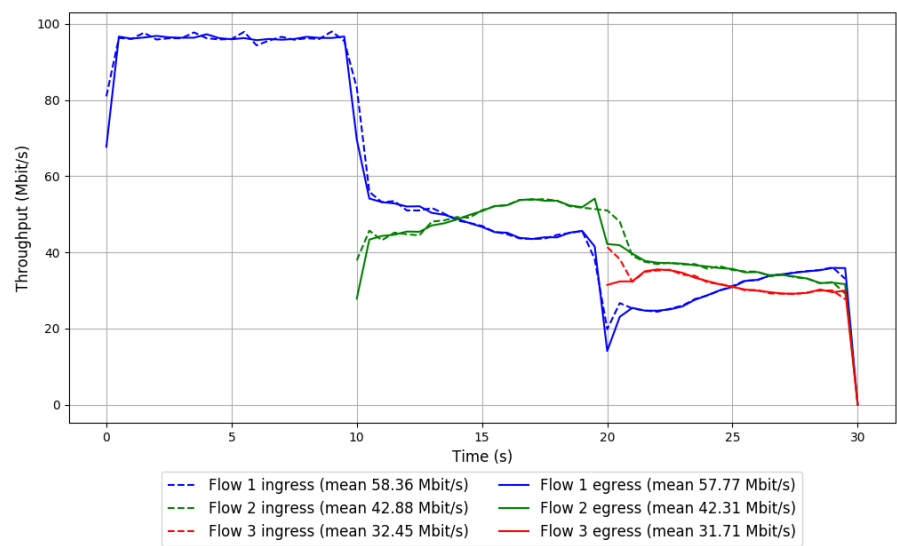


Run 4: Statistics of TCP BBR

Start at: 2018-02-16 15:44:16
End at: 2018-02-16 15:44:46
Local clock offset: 3.849 ms
Remote clock offset: -8.791 ms

Below is generated by plot.py at 2018-02-16 18:55:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 41.681 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 40.774 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 42.31 Mbit/s
95th percentile per-packet one-way delay: 42.870 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 44.363 ms
Loss rate: 1.98%

Run 4: Report of TCP BBR — Data Link

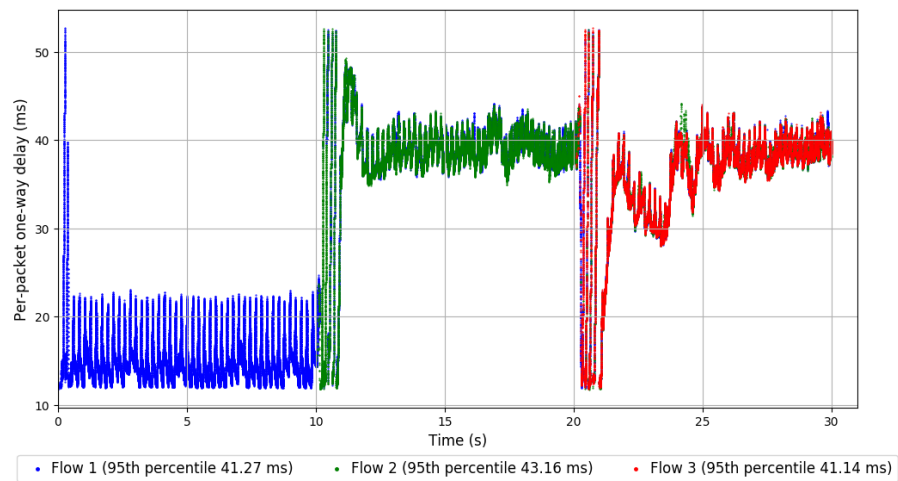
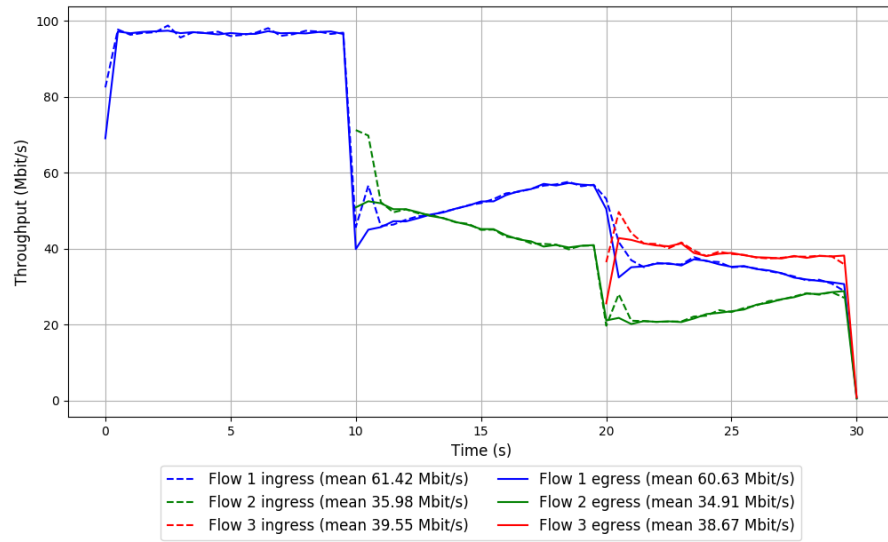


Run 5: Statistics of TCP BBR

Start at: 2018-02-16 16:08:18
End at: 2018-02-16 16:08:48
Local clock offset: -2.446 ms
Remote clock offset: -4.978 ms

Below is generated by plot.py at 2018-02-16 18:55:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 41.677 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 41.275 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 43.156 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 41.142 ms
Loss rate: 2.25%

Run 5: Report of TCP BBR — Data Link

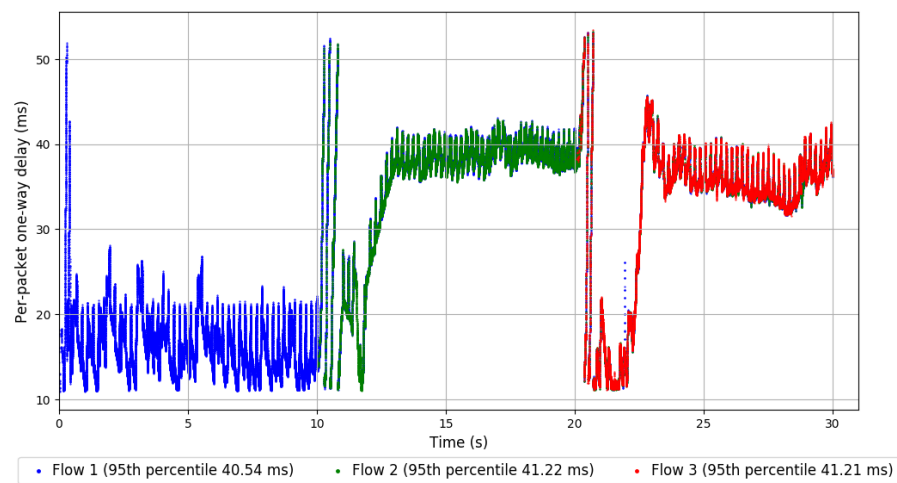
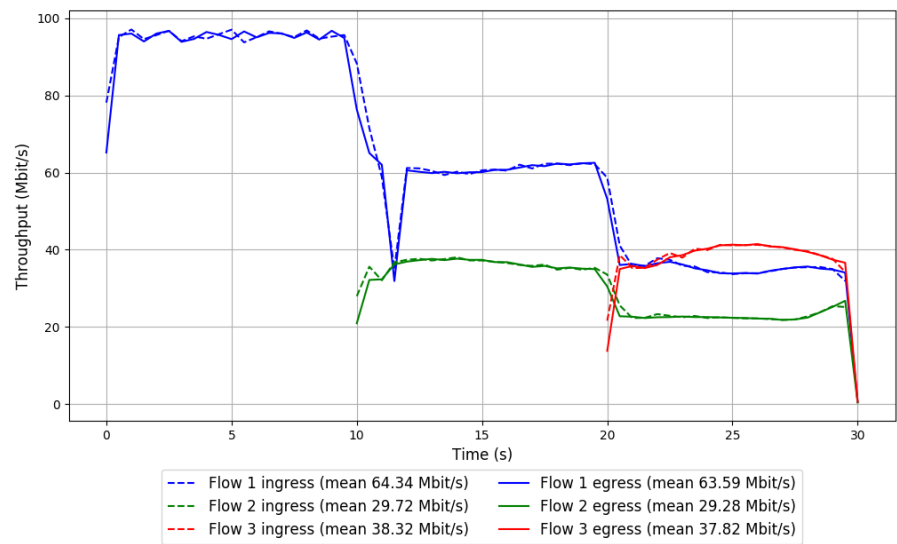


Run 6: Statistics of TCP BBR

Start at: 2018-02-16 16:32:19
End at: 2018-02-16 16:32:49
Local clock offset: -3.263 ms
Remote clock offset: -2.256 ms

Below is generated by plot.py at 2018-02-16 18:55:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 63.59 Mbit/s
95th percentile per-packet one-way delay: 40.544 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 41.221 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 41.213 ms
Loss rate: 1.33%

Run 6: Report of TCP BBR — Data Link

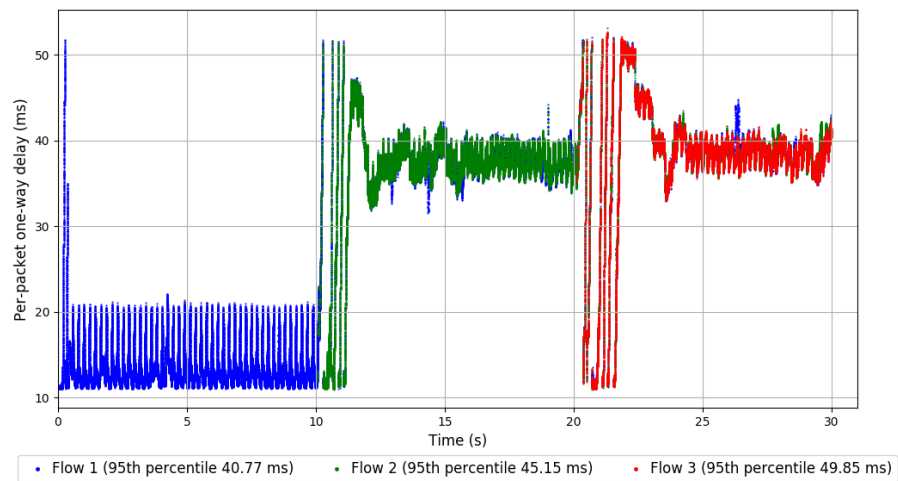
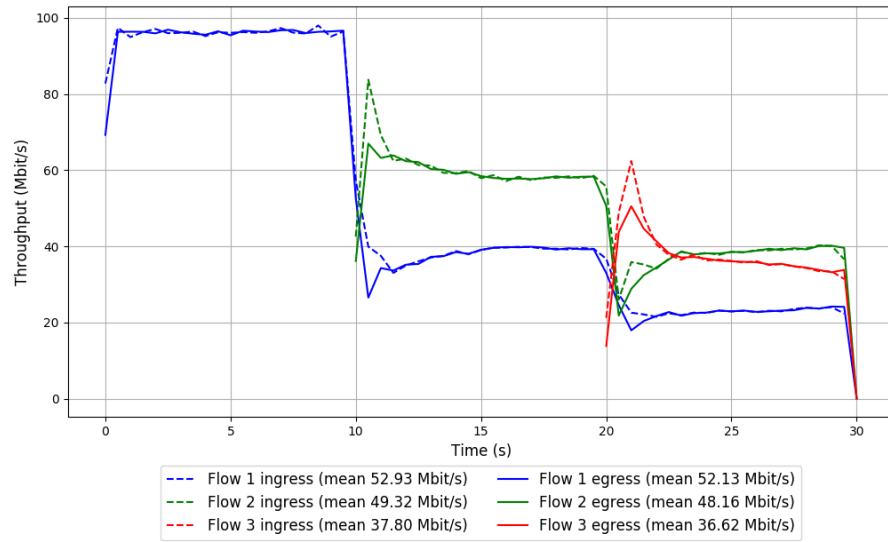


Run 7: Statistics of TCP BBR

Start at: 2018-02-16 16:55:22
End at: 2018-02-16 16:55:52
Local clock offset: -0.208 ms
Remote clock offset: -2.363 ms

Below is generated by plot.py at 2018-02-16 18:55:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 44.624 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 45.148 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 49.853 ms
Loss rate: 3.09%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-02-16 17:18:09

End at: 2018-02-16 17:18:39

Local clock offset: -4.91 ms

Remote clock offset: -2.63 ms

Below is generated by plot.py at 2018-02-16 18:55:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 48.931 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 58.62 Mbit/s

95th percentile per-packet one-way delay: 42.230 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 29.66 Mbit/s

95th percentile per-packet one-way delay: 48.690 ms

Loss rate: 1.67%

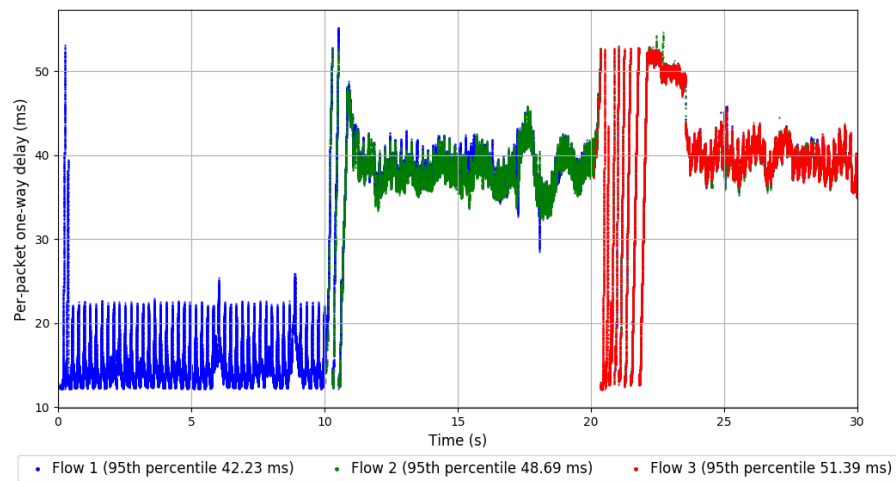
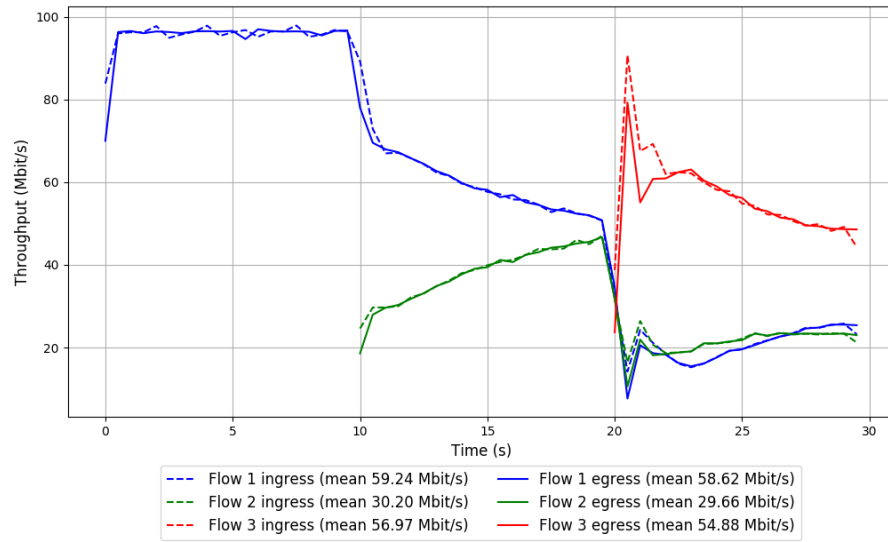
-- Flow 3:

Average throughput: 54.88 Mbit/s

95th percentile per-packet one-way delay: 51.386 ms

Loss rate: 3.72%

Run 8: Report of TCP BBR — Data Link

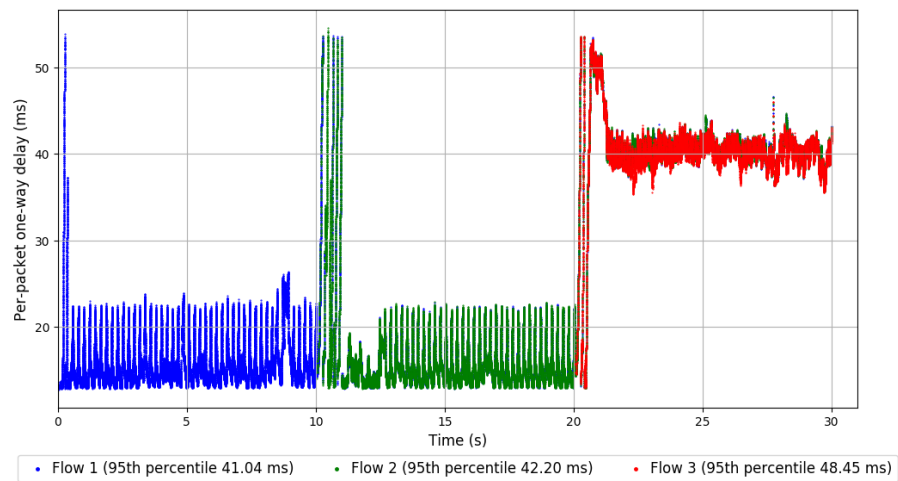
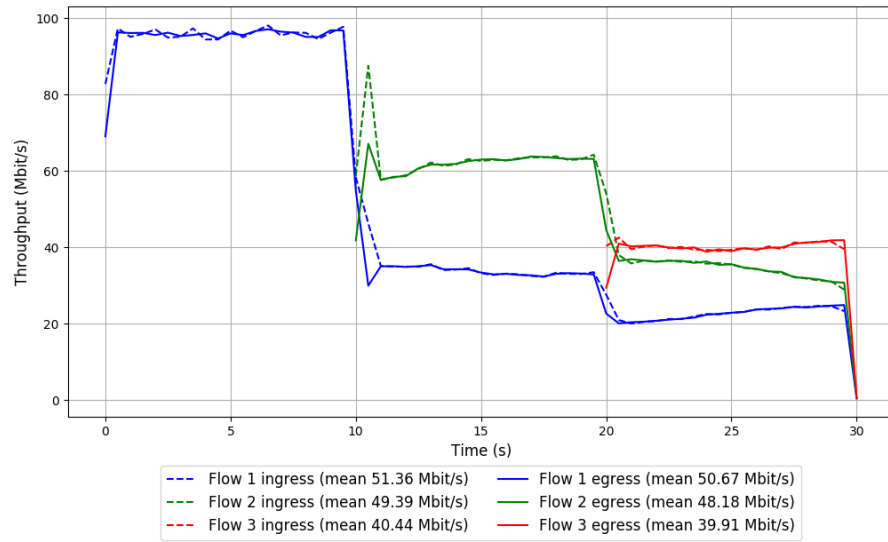


Run 9: Statistics of TCP BBR

Start at: 2018-02-16 17:40:21
End at: 2018-02-16 17:40:51
Local clock offset: -7.024 ms
Remote clock offset: -1.264 ms

Below is generated by plot.py at 2018-02-16 18:56:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 41.939 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 41.041 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 42.200 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 48.447 ms
Loss rate: 1.04%

Run 9: Report of TCP BBR — Data Link

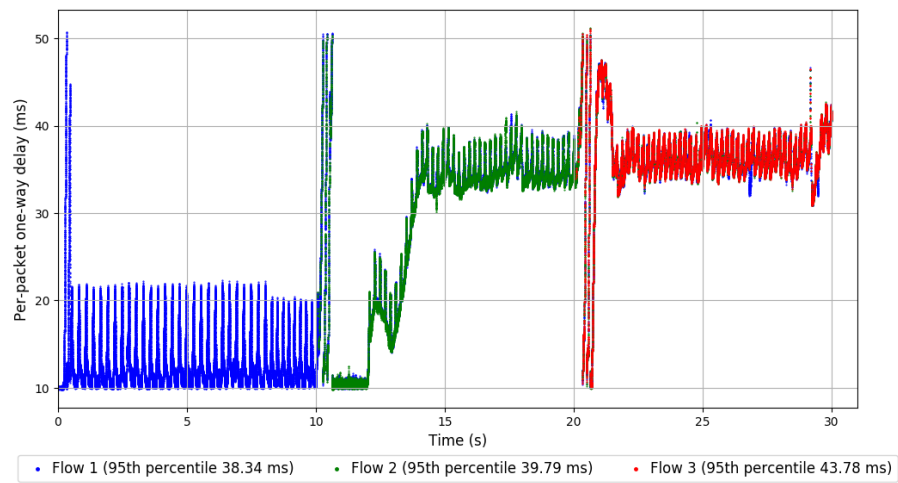
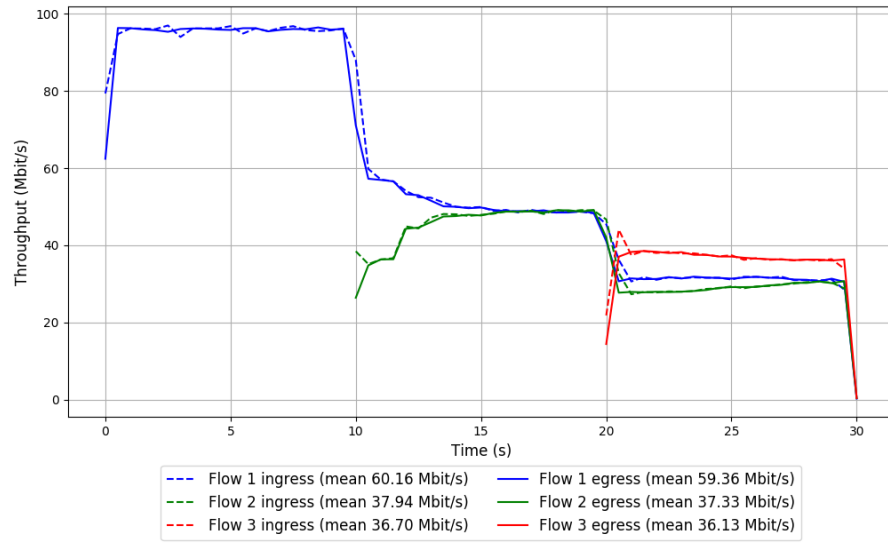


Run 10: Statistics of TCP BBR

Start at: 2018-02-16 18:02:30
End at: 2018-02-16 18:03:00
Local clock offset: -3.072 ms
Remote clock offset: -1.415 ms

Below is generated by plot.py at 2018-02-16 18:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 39.255 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 38.336 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 39.792 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 43.776 ms
Loss rate: 1.49%

Run 10: Report of TCP BBR — Data Link

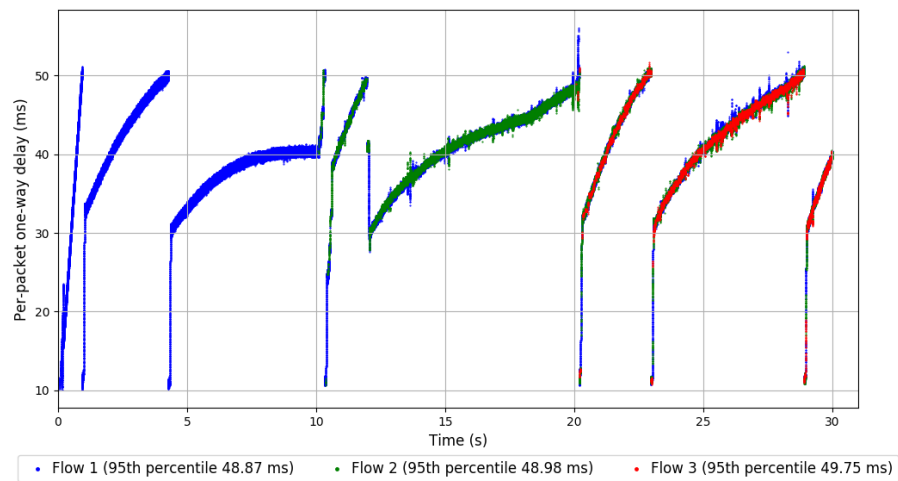
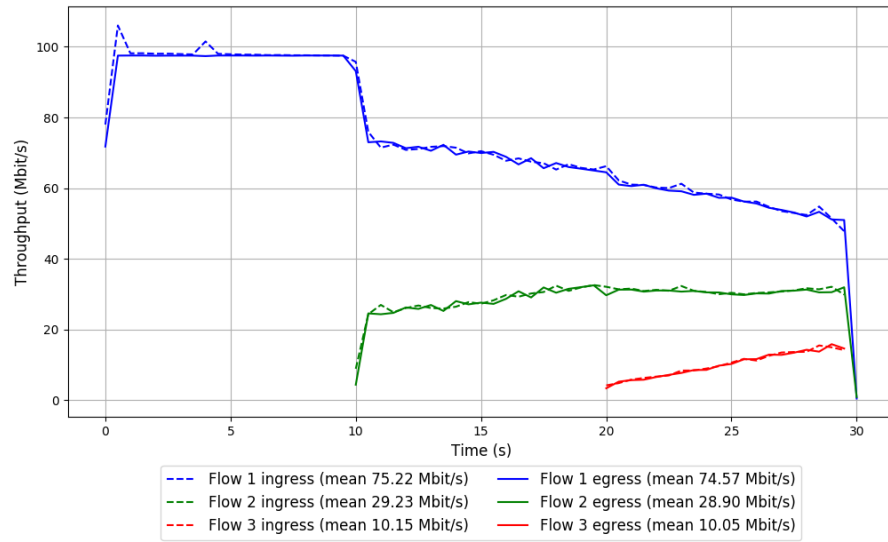


Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 14:51:58
End at: 2018-02-16 14:52:28
Local clock offset: -2.701 ms
Remote clock offset: -6.034 ms

Below is generated by plot.py at 2018-02-16 18:56:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 48.937 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 74.57 Mbit/s
95th percentile per-packet one-way delay: 48.868 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 48.975 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 49.750 ms
Loss rate: 1.11%

Run 1: Report of TCP Cubic — Data Link

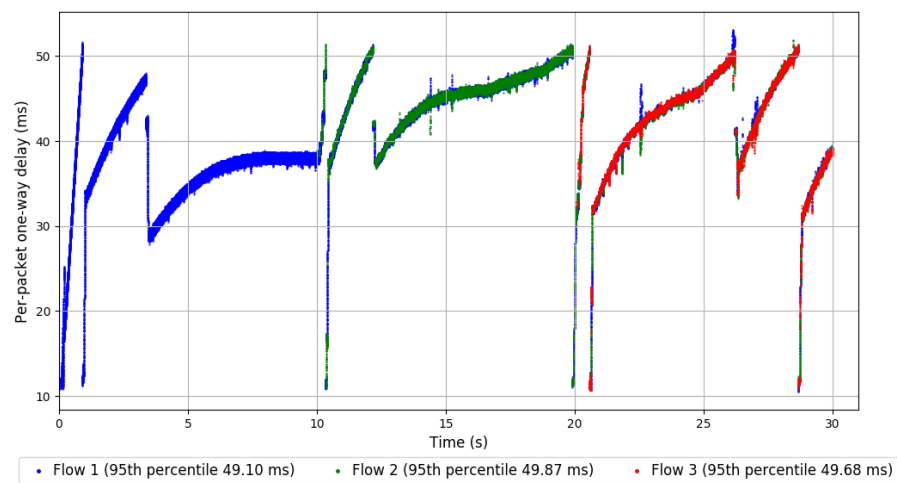
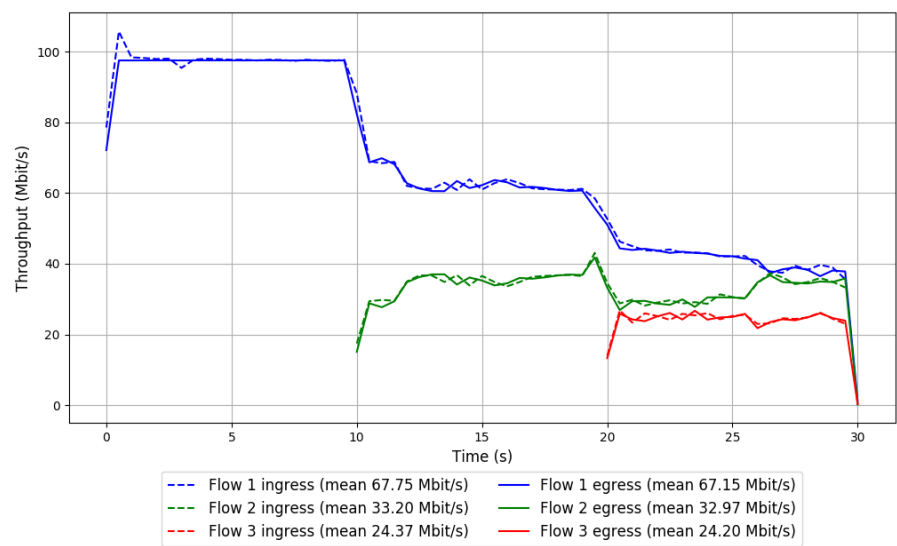


Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 15:14:49
End at: 2018-02-16 15:15:19
Local clock offset: -4.957 ms
Remote clock offset: -13.251 ms

Below is generated by plot.py at 2018-02-16 18:56:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 49.446 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 49.102 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 49.865 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 49.683 ms
Loss rate: 0.63%

Run 2: Report of TCP Cubic — Data Link

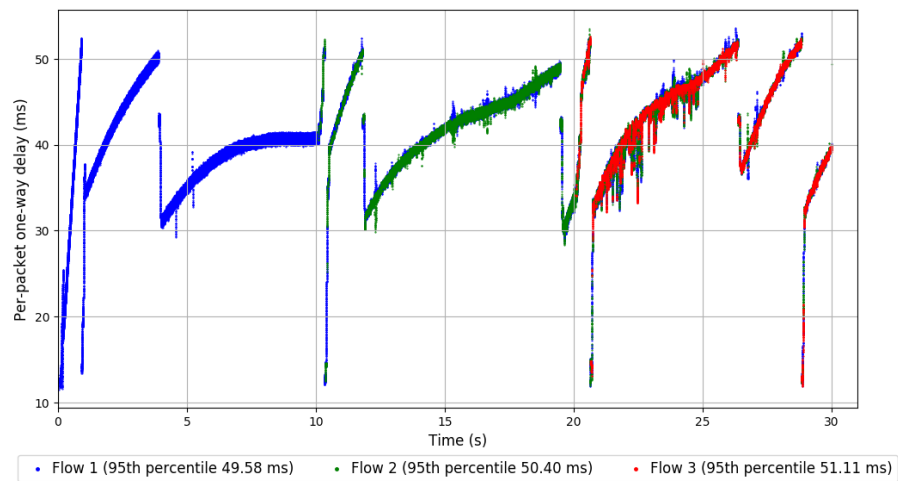
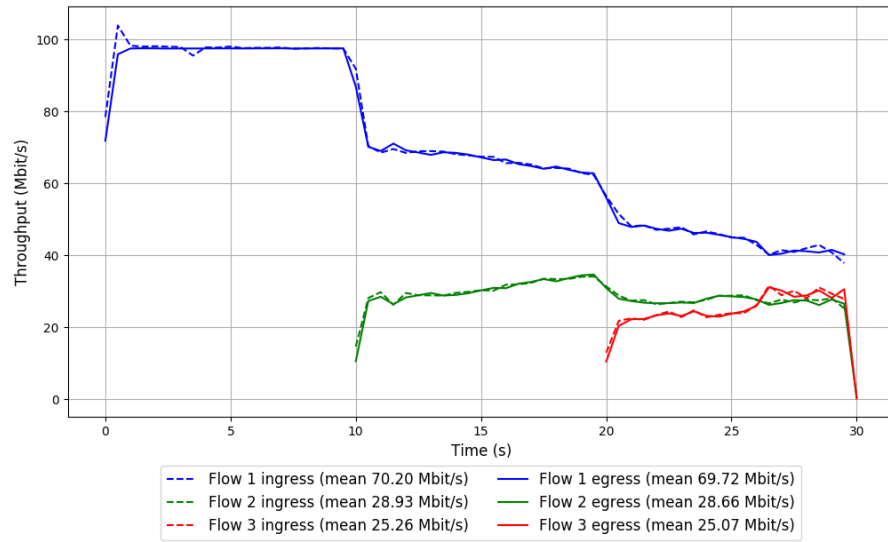


Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 15:37:51
End at: 2018-02-16 15:38:21
Local clock offset: 1.356 ms
Remote clock offset: -8.673 ms

Below is generated by plot.py at 2018-02-16 18:56:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 50.016 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 69.72 Mbit/s
95th percentile per-packet one-way delay: 49.581 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 28.66 Mbit/s
95th percentile per-packet one-way delay: 50.395 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 51.108 ms
Loss rate: 0.69%

Run 3: Report of TCP Cubic — Data Link

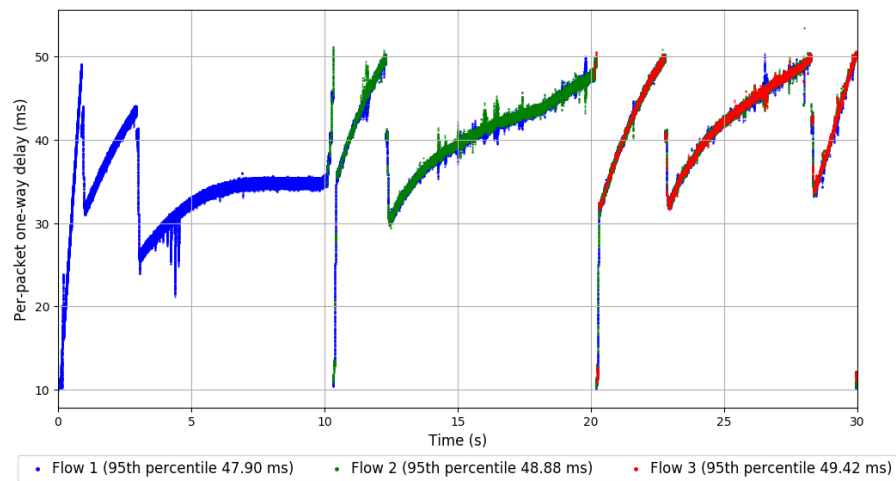
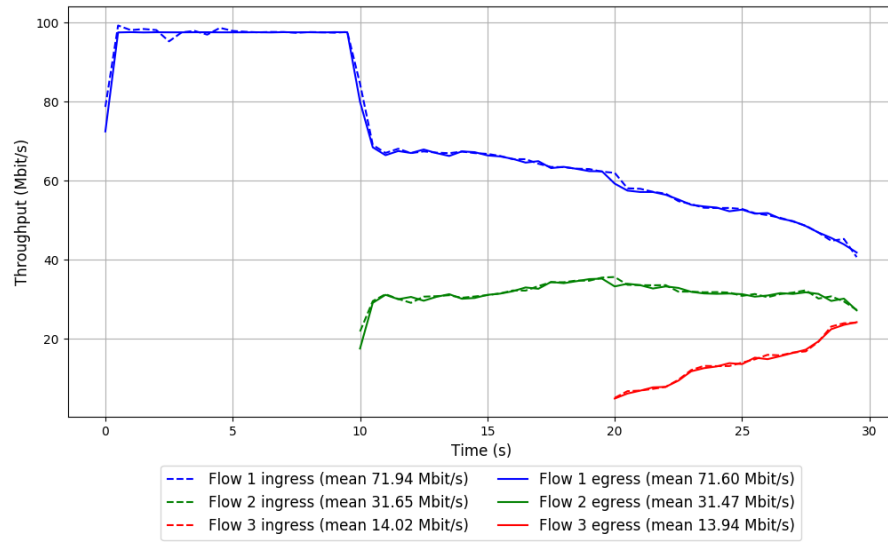


Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 16:01:08
End at: 2018-02-16 16:01:38
Local clock offset: 1.756 ms
Remote clock offset: -5.185 ms

Below is generated by plot.py at 2018-02-16 18:56:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 48.354 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 71.60 Mbit/s
95th percentile per-packet one-way delay: 47.898 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 48.881 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 49.423 ms
Loss rate: 0.95%

Run 4: Report of TCP Cubic — Data Link

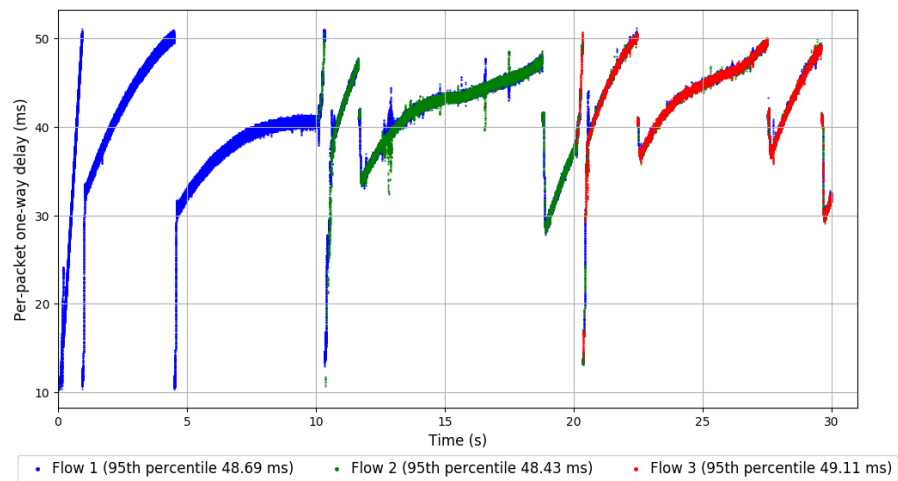
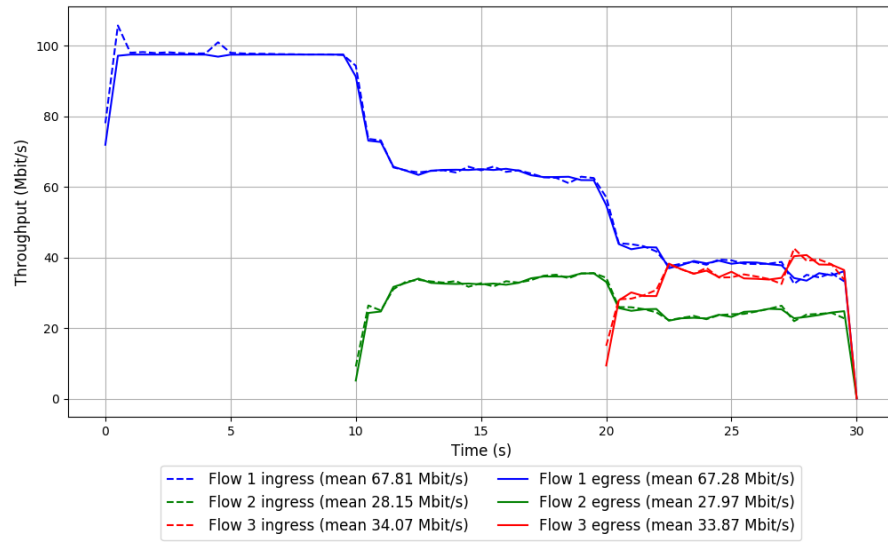


Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 16:26:04
End at: 2018-02-16 16:26:34
Local clock offset: -3.893 ms
Remote clock offset: -4.065 ms

Below is generated by plot.py at 2018-02-16 18:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 48.733 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 67.28 Mbit/s
95th percentile per-packet one-way delay: 48.691 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 27.97 Mbit/s
95th percentile per-packet one-way delay: 48.432 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 49.113 ms
Loss rate: 0.64%

Run 5: Report of TCP Cubic — Data Link

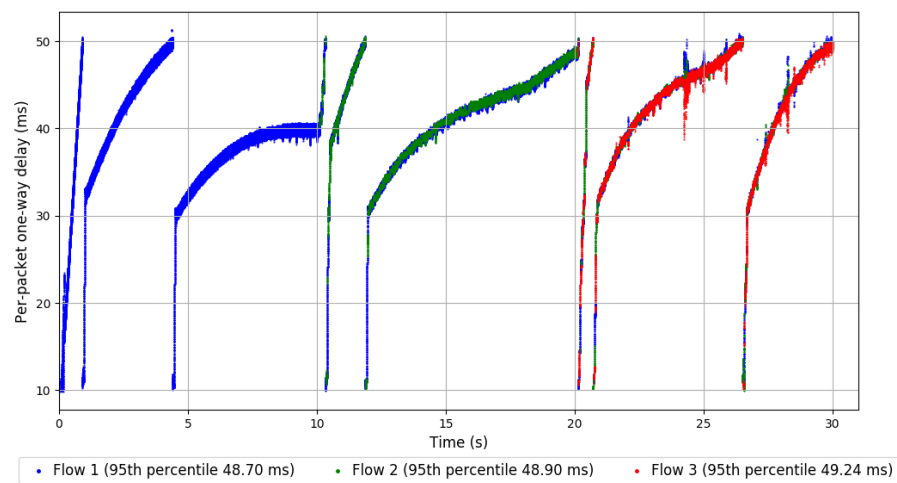
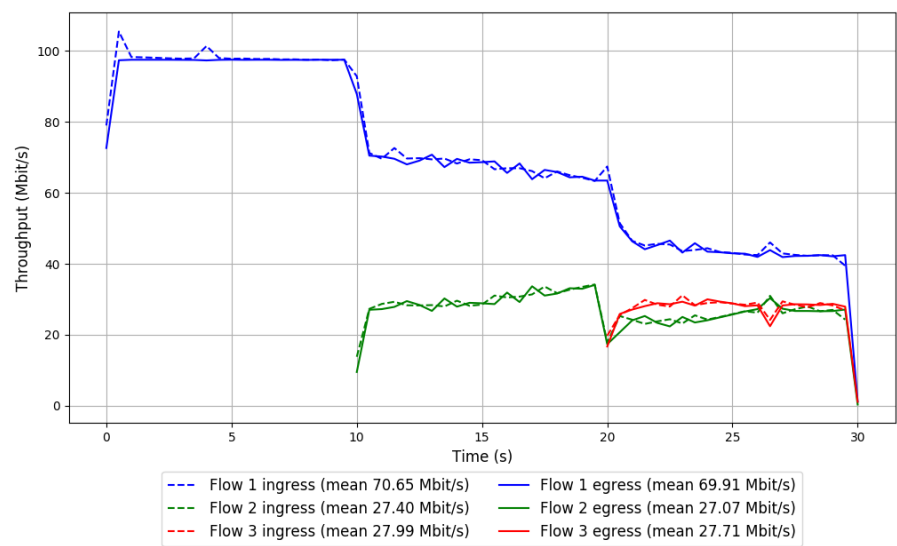


Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 16:48:56
End at: 2018-02-16 16:49:26
Local clock offset: 0.485 ms
Remote clock offset: -2.897 ms

Below is generated by plot.py at 2018-02-16 18:56:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 48.851 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 48.696 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 27.07 Mbit/s
95th percentile per-packet one-way delay: 48.896 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 27.71 Mbit/s
95th percentile per-packet one-way delay: 49.241 ms
Loss rate: 1.00%

Run 6: Report of TCP Cubic — Data Link

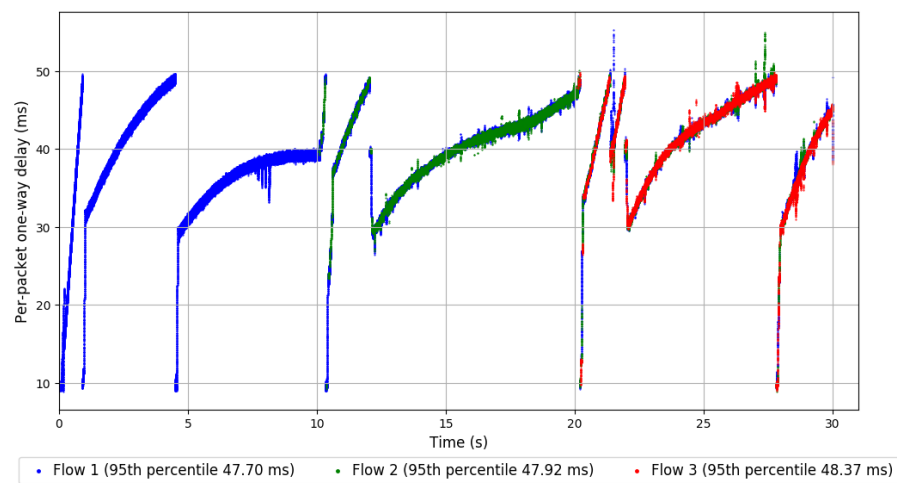
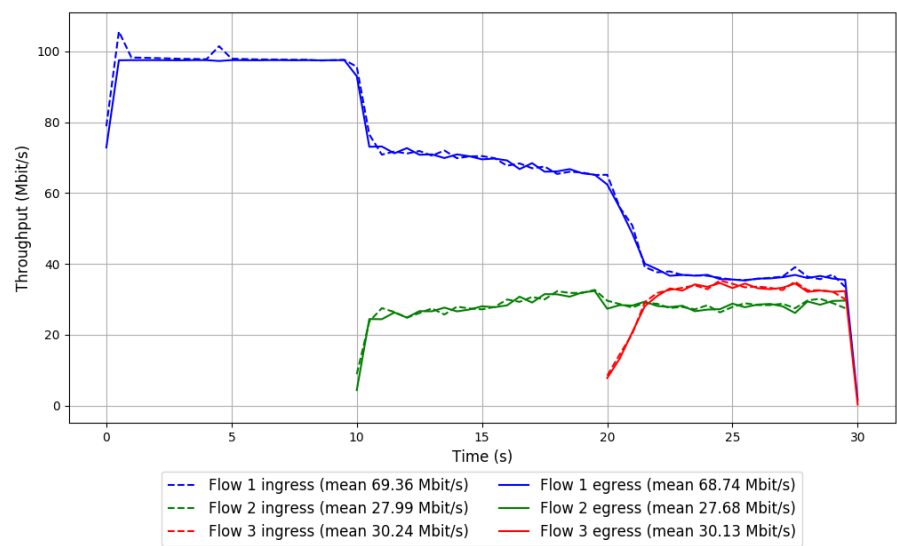


Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 17:11:52
End at: 2018-02-16 17:12:22
Local clock offset: -1.394 ms
Remote clock offset: -3.368 ms

Below is generated by plot.py at 2018-02-16 18:58:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 47.880 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 47.701 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 47.923 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 48.368 ms
Loss rate: 0.39%

Run 7: Report of TCP Cubic — Data Link

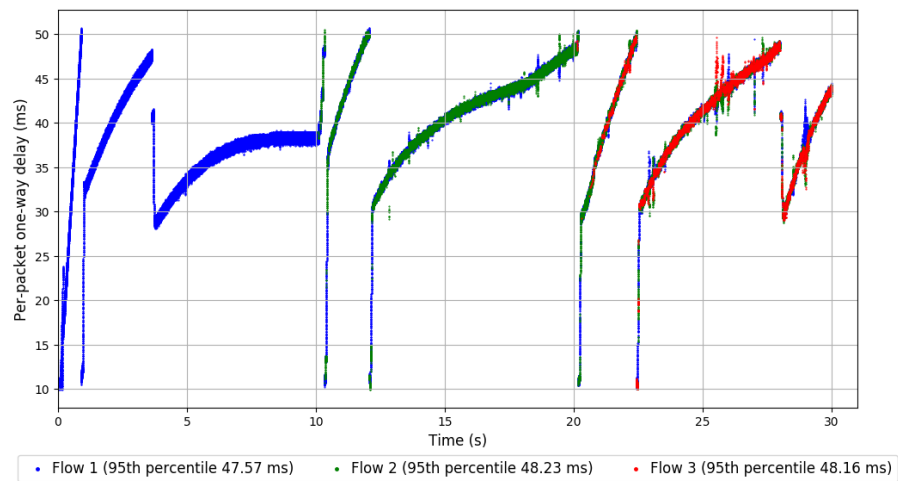
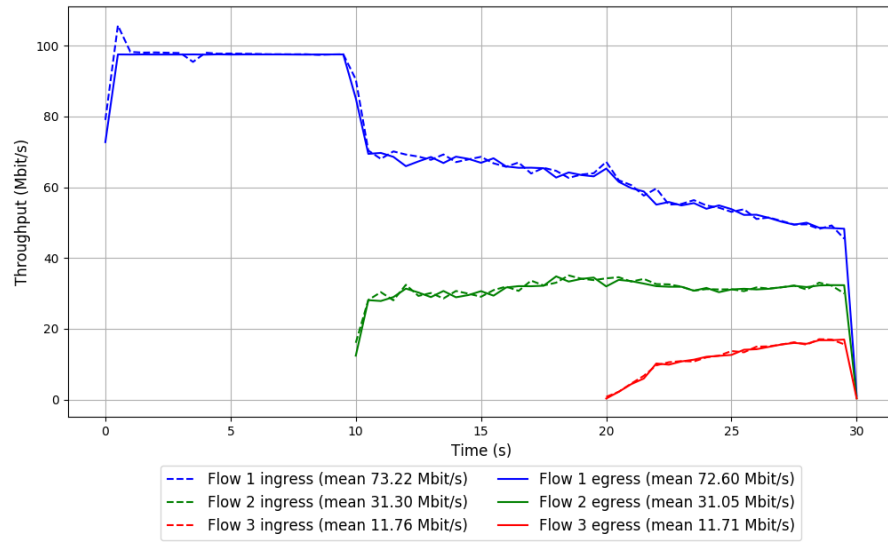


Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 17:34:06
End at: 2018-02-16 17:34:36
Local clock offset: -4.103 ms
Remote clock offset: -1.885 ms

Below is generated by plot.py at 2018-02-16 18:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 47.795 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 47.567 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 48.233 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 48.161 ms
Loss rate: 0.47%

Run 8: Report of TCP Cubic — Data Link

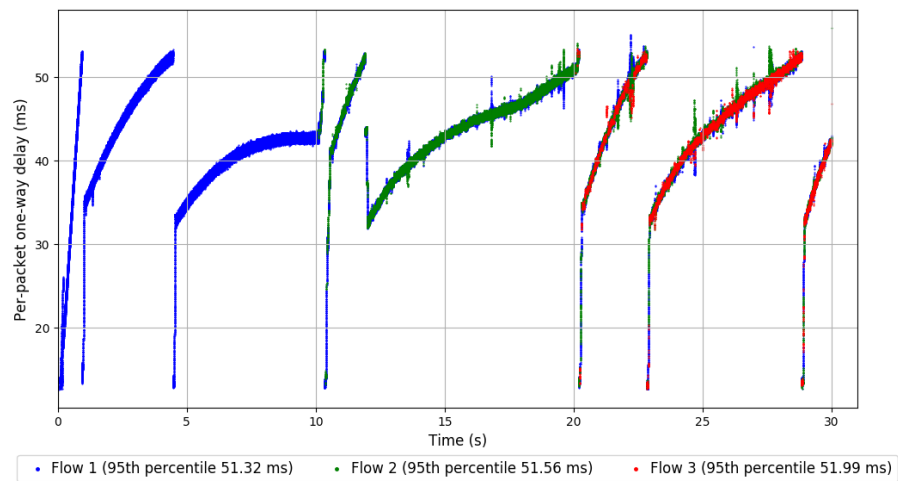
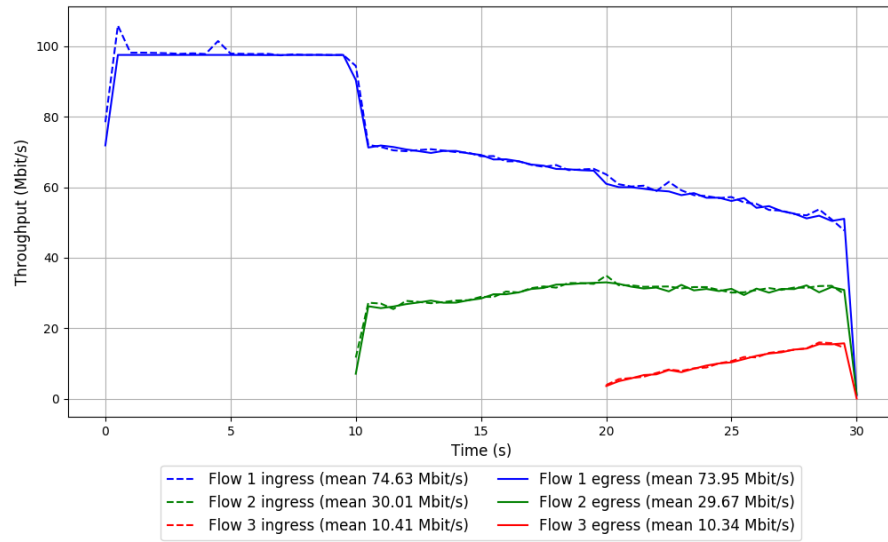


Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 17:56:18
End at: 2018-02-16 17:56:48
Local clock offset: -6.06 ms
Remote clock offset: -0.777 ms

Below is generated by plot.py at 2018-02-16 18:58:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 51.385 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 73.95 Mbit/s
95th percentile per-packet one-way delay: 51.323 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 51.556 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 51.992 ms
Loss rate: 0.70%

Run 9: Report of TCP Cubic — Data Link

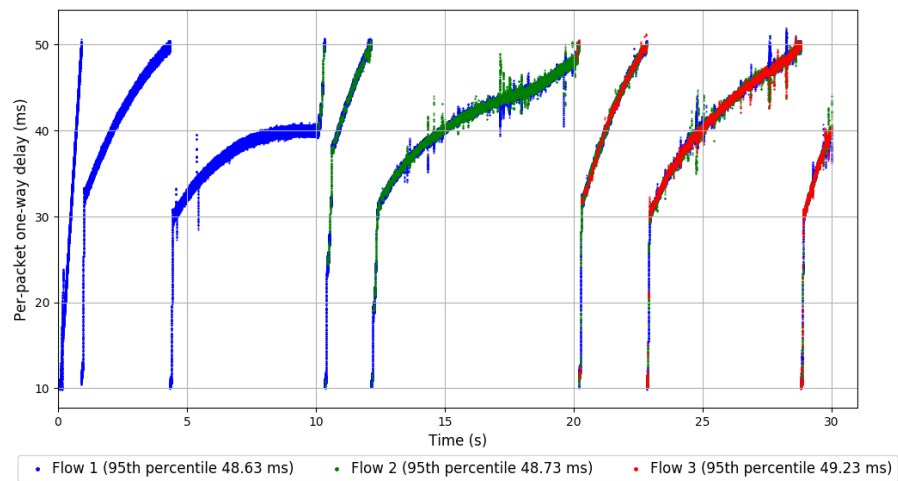
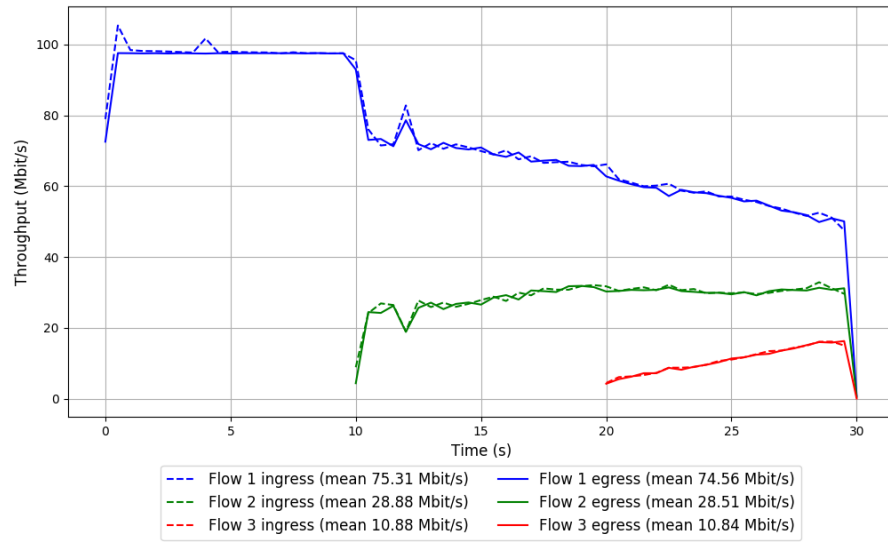


Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 18:18:31
End at: 2018-02-16 18:19:01
Local clock offset: -3.106 ms
Remote clock offset: -4.509 ms

Below is generated by plot.py at 2018-02-16 18:58:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 48.684 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 74.56 Mbit/s
95th percentile per-packet one-way delay: 48.633 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 48.731 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 49.229 ms
Loss rate: 0.52%

Run 10: Report of TCP Cubic — Data Link

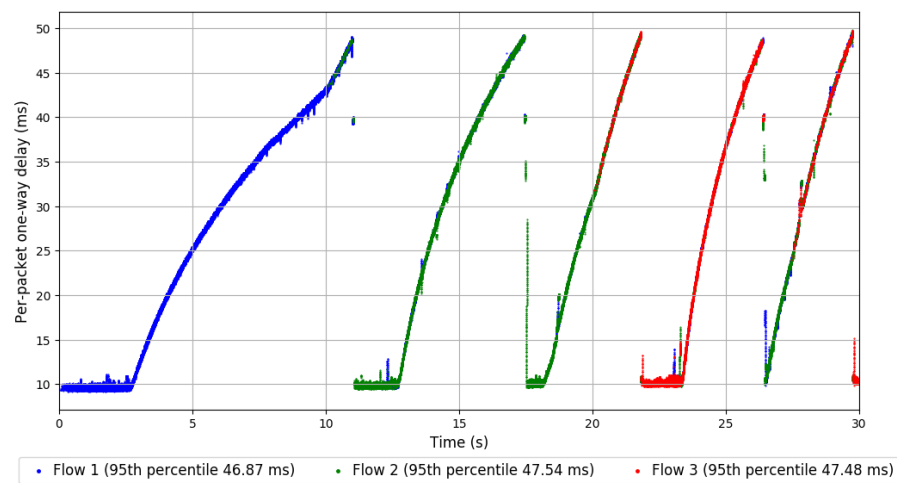
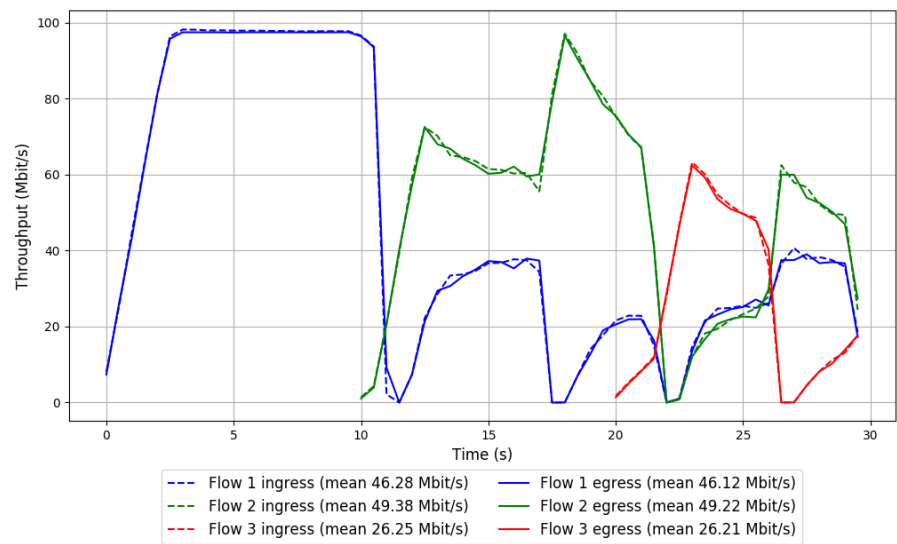


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-16 14:48:12
End at: 2018-02-16 14:48:42
Local clock offset: -2.887 ms
Remote clock offset: -2.173 ms

# Below is generated by plot.py at 2018-02-16 18:58:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 47.222 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 46.867 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 47.539 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 26.21 Mbit/s
95th percentile per-packet one-way delay: 47.478 ms
Loss rate: 0.35%
```

Run 1: Report of LEDBAT — Data Link

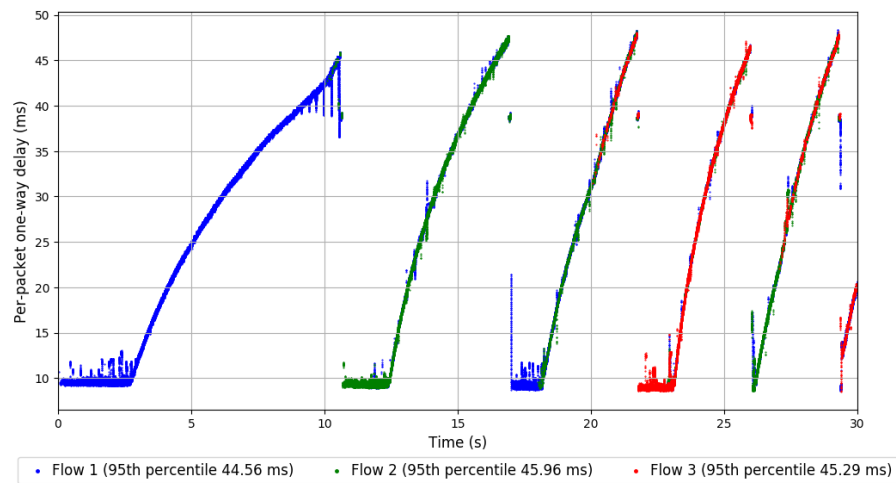
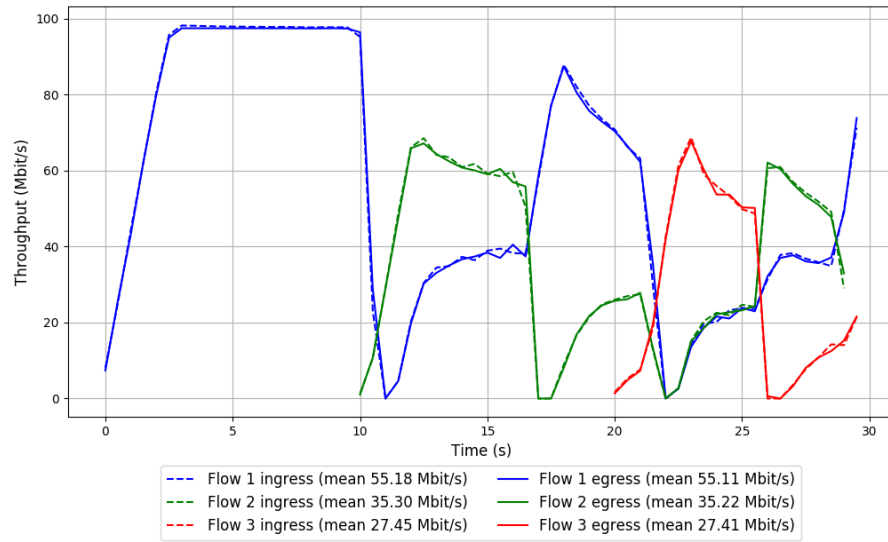


Run 2: Statistics of LEDBAT

Start at: 2018-02-16 15:10:52
End at: 2018-02-16 15:11:22
Local clock offset: -3.267 ms
Remote clock offset: -17.853 ms

Below is generated by plot.py at 2018-02-16 18:58:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.83 Mbit/s
95th percentile per-packet one-way delay: 45.135 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.11 Mbit/s
95th percentile per-packet one-way delay: 44.565 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 45.961 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 27.41 Mbit/s
95th percentile per-packet one-way delay: 45.290 ms
Loss rate: 0.26%

Run 2: Report of LEDBAT — Data Link

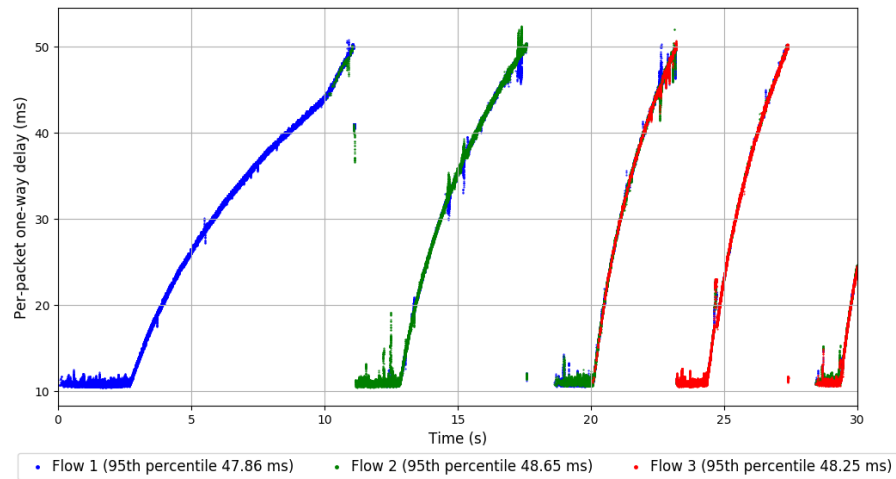
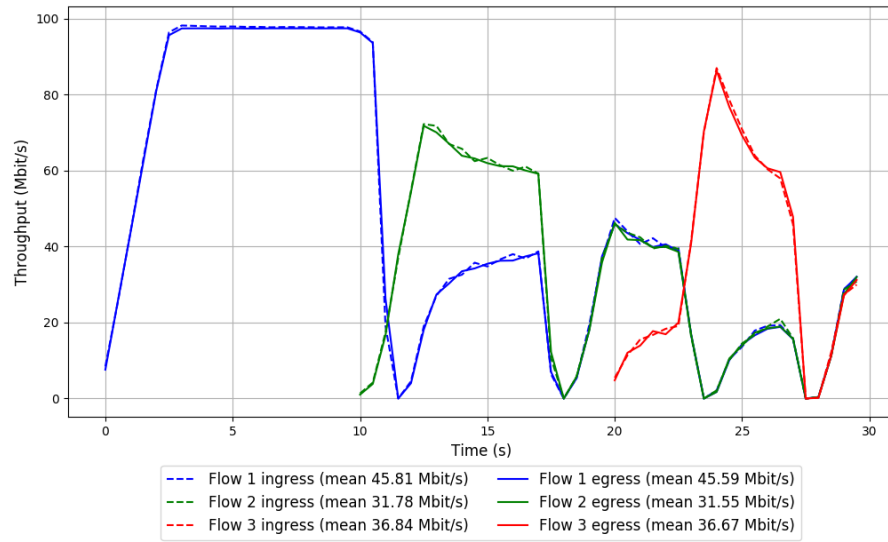


Run 3: Statistics of LEDBAT

Start at: 2018-02-16 15:33:53
End at: 2018-02-16 15:34:23
Local clock offset: 1.216 ms
Remote clock offset: -8.535 ms

Below is generated by plot.py at 2018-02-16 18:58:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.76 Mbit/s
95th percentile per-packet one-way delay: 48.133 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 47.863 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 48.646 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 48.254 ms
Loss rate: 0.30%

Run 3: Report of LEDBAT — Data Link

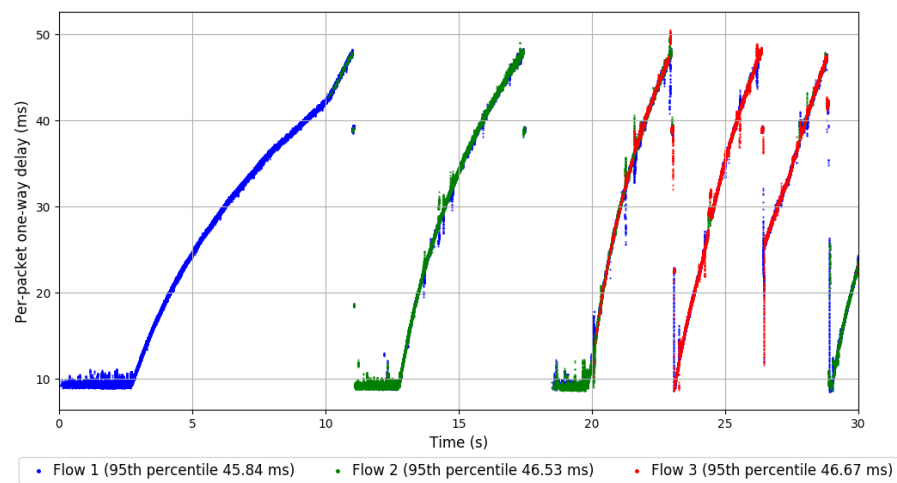
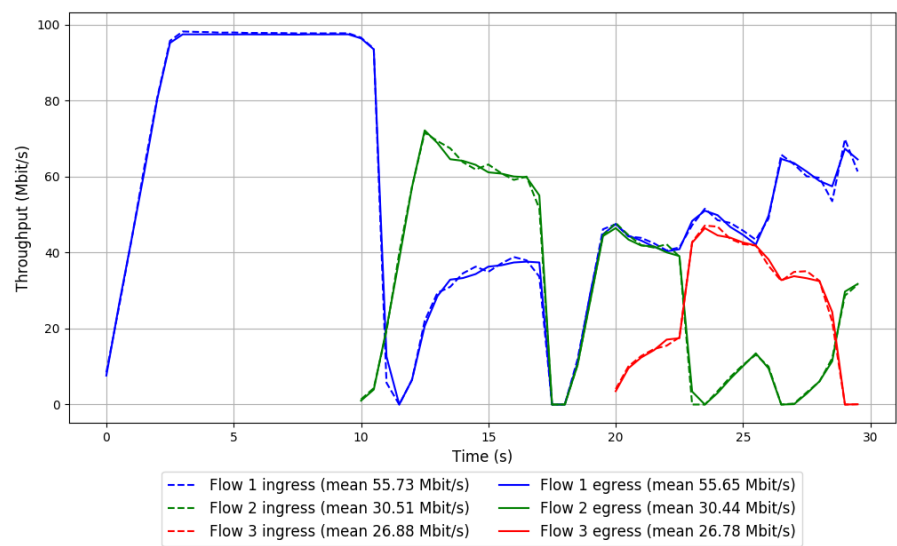


Run 4: Statistics of LEDBAT

Start at: 2018-02-16 15:57:11
End at: 2018-02-16 15:57:41
Local clock offset: 5.076 ms
Remote clock offset: -5.651 ms

Below is generated by plot.py at 2018-02-16 18:58:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 46.150 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 45.835 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 46.535 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 46.675 ms
Loss rate: 0.26%

Run 4: Report of LEDBAT — Data Link

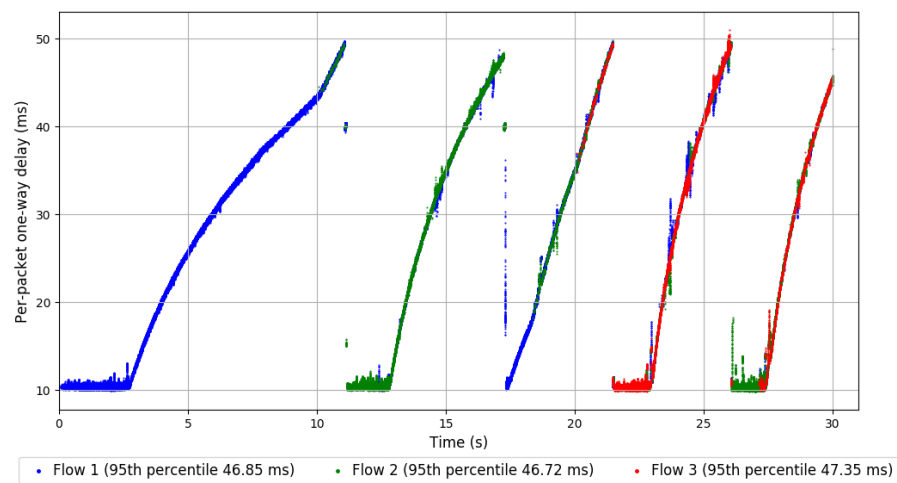
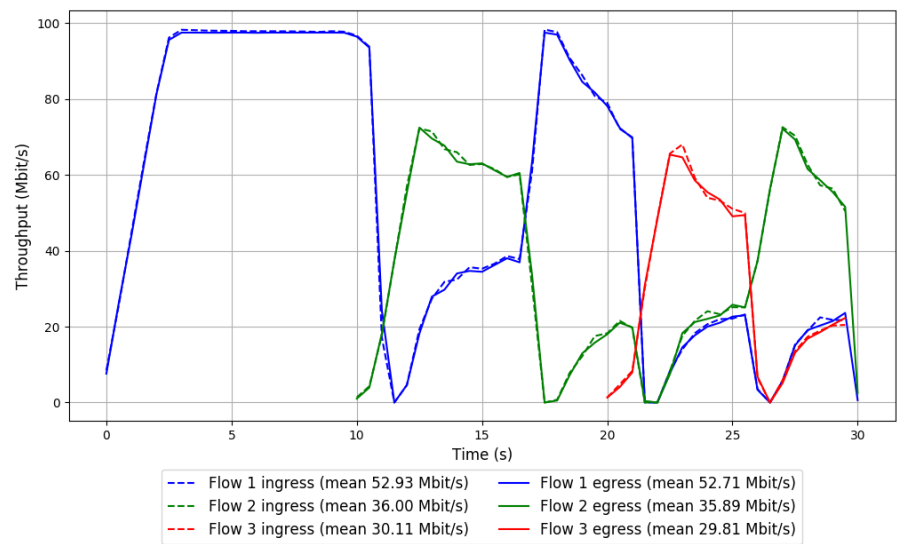


Run 5: Statistics of LEDBAT

Start at: 2018-02-16 16:22:05
End at: 2018-02-16 16:22:35
Local clock offset: -2.918 ms
Remote clock offset: -4.522 ms

Below is generated by plot.py at 2018-02-16 18:59:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.42 Mbit/s
95th percentile per-packet one-way delay: 46.886 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 52.71 Mbit/s
95th percentile per-packet one-way delay: 46.852 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 46.720 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 47.354 ms
Loss rate: 0.91%

Run 5: Report of LEDBAT — Data Link

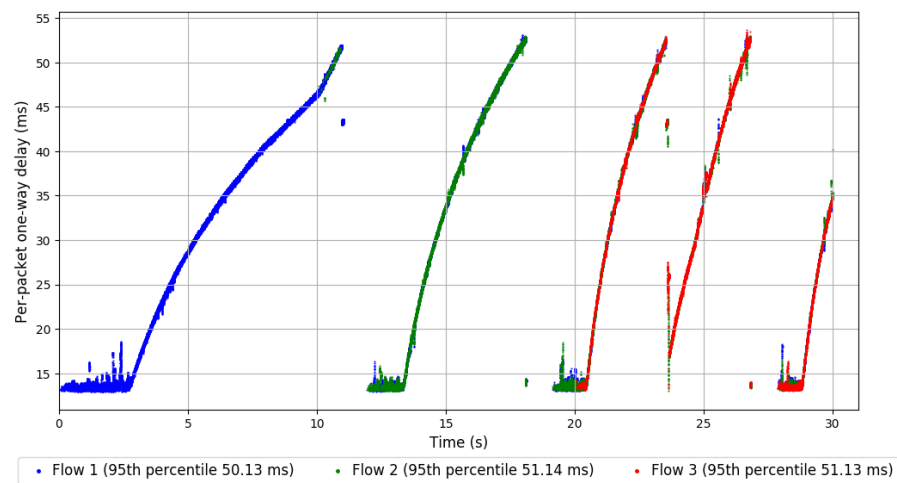
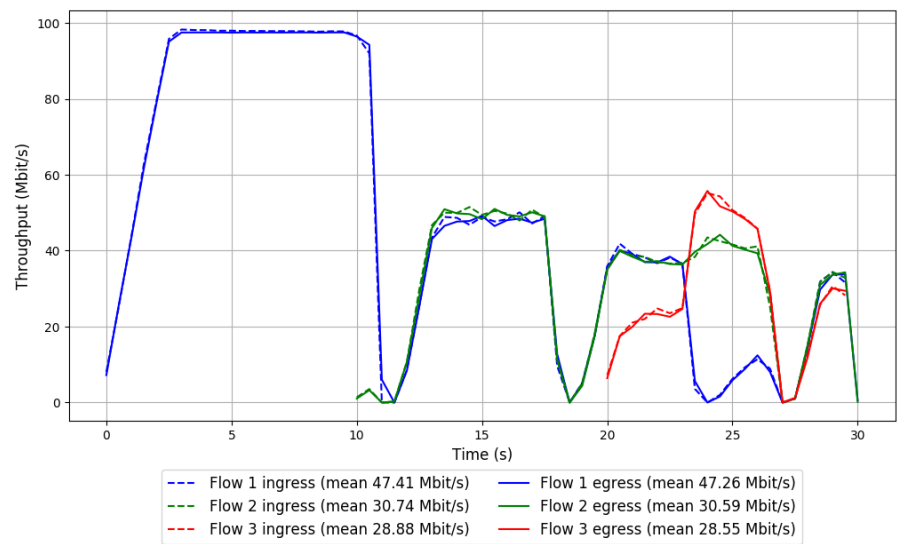


Run 6: Statistics of LEDBAT

Start at: 2018-02-16 16:45:00
End at: 2018-02-16 16:45:30
Local clock offset: -3.122 ms
Remote clock offset: -2.878 ms

Below is generated by plot.py at 2018-02-16 18:59:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 50.626 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 50.134 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 51.137 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 51.128 ms
Loss rate: 0.95%

Run 6: Report of LEDBAT — Data Link

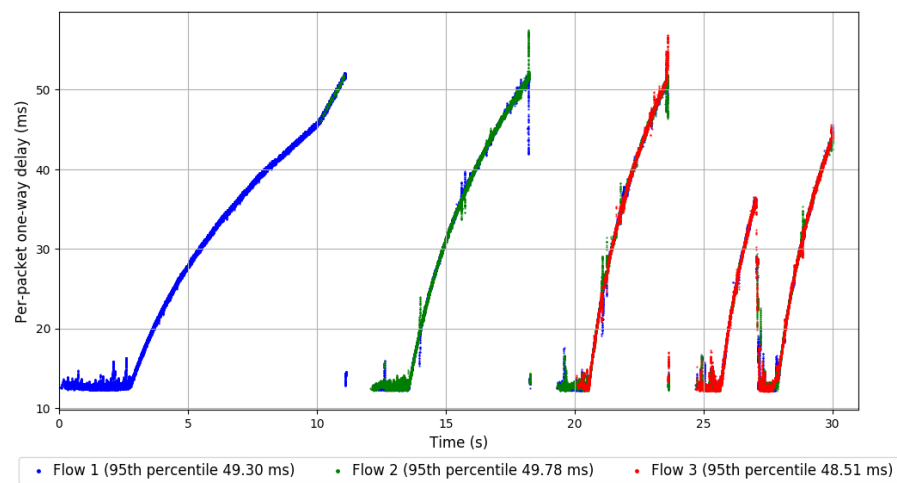
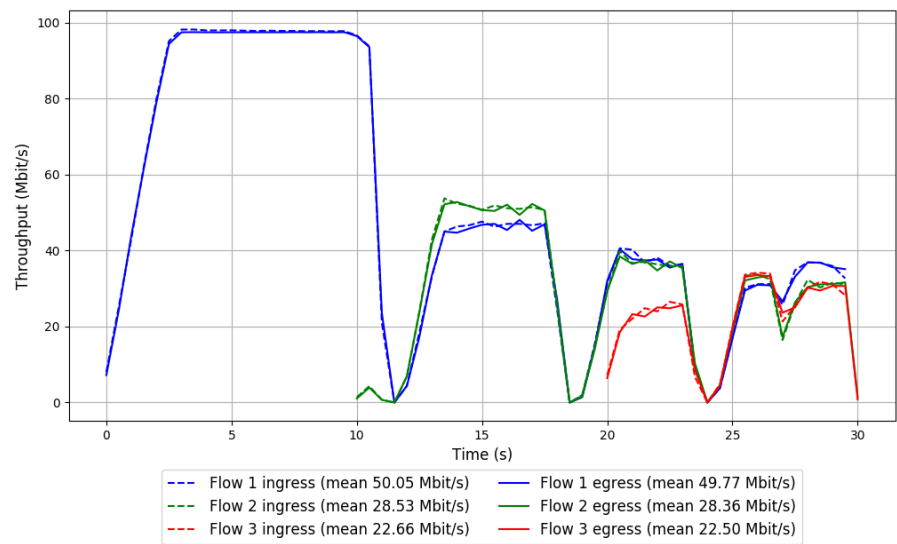


Run 7: Statistics of LEDBAT

Start at: 2018-02-16 17:07:57
End at: 2018-02-16 17:08:27
Local clock offset: -3.41 ms
Remote clock offset: -2.962 ms

Below is generated by plot.py at 2018-02-16 18:59:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.09 Mbit/s
95th percentile per-packet one-way delay: 49.365 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 49.77 Mbit/s
95th percentile per-packet one-way delay: 49.303 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 49.778 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 22.50 Mbit/s
95th percentile per-packet one-way delay: 48.512 ms
Loss rate: 0.39%

Run 7: Report of LEDBAT — Data Link

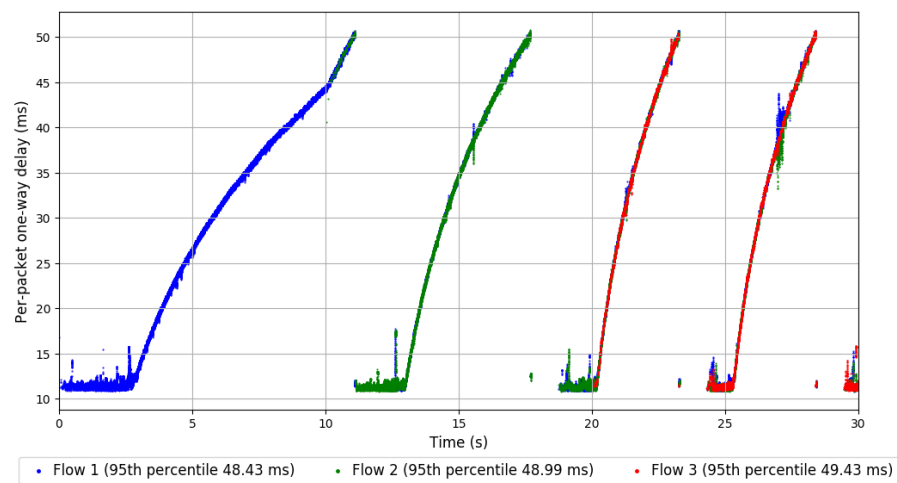
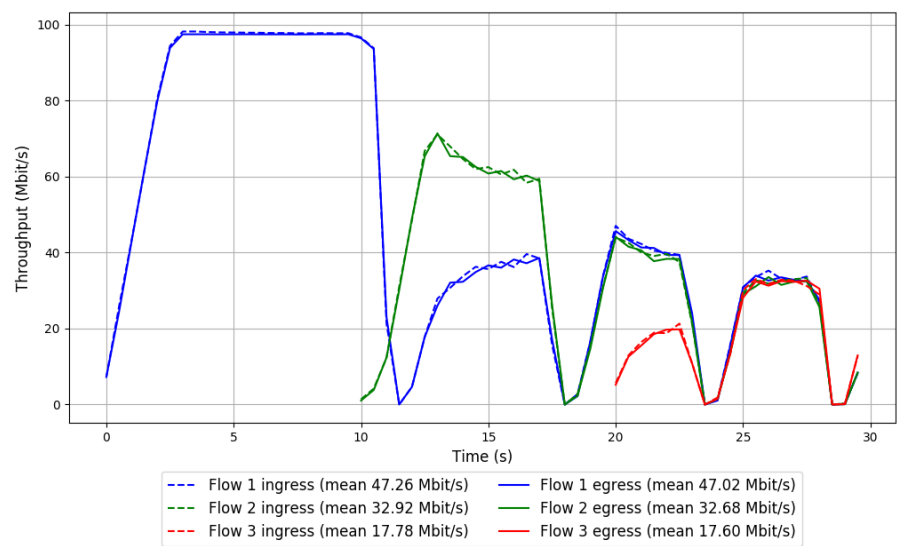


Run 8: Statistics of LEDBAT

Start at: 2018-02-16 17:30:22
End at: 2018-02-16 17:30:52
Local clock offset: -4.473 ms
Remote clock offset: -1.618 ms

Below is generated by plot.py at 2018-02-16 18:59:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.55 Mbit/s
95th percentile per-packet one-way delay: 48.711 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 48.428 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 48.988 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 49.431 ms
Loss rate: 0.98%

Run 8: Report of LEDBAT — Data Link

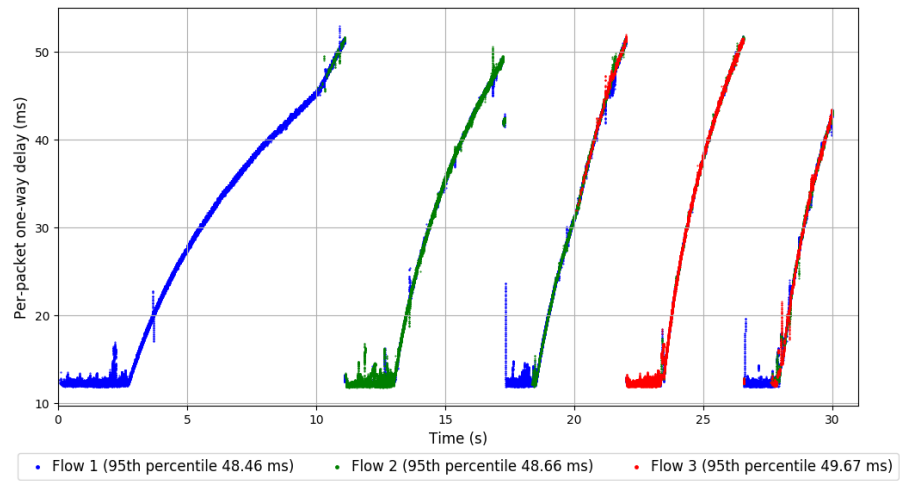
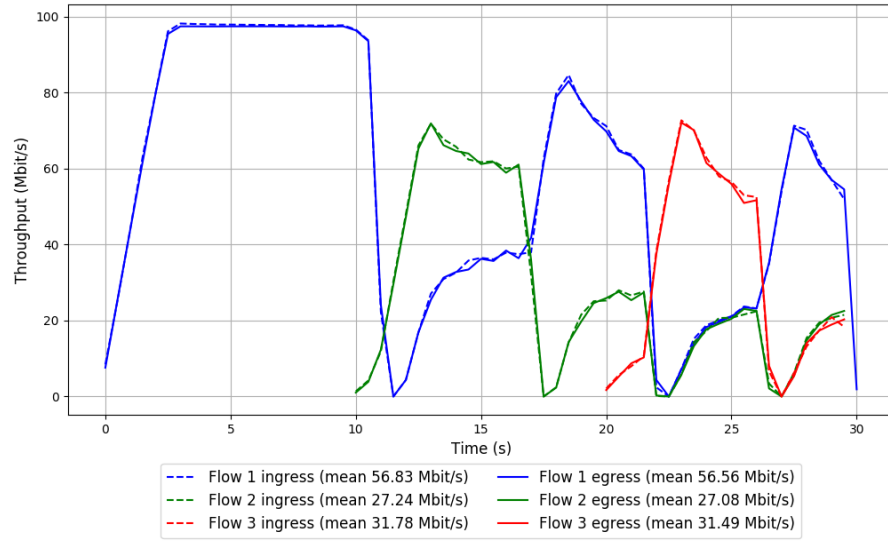


Run 9: Statistics of LEDBAT

Start at: 2018-02-16 17:52:29
End at: 2018-02-16 17:52:59
Local clock offset: -5.085 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-02-16 18:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 48.688 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 48.463 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 48.664 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 49.669 ms
Loss rate: 0.83%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-16 18:14:50

End at: 2018-02-16 18:15:20

Local clock offset: -3.476 ms

Remote clock offset: -3.41 ms

Below is generated by plot.py at 2018-02-16 18:59:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.29 Mbit/s

95th percentile per-packet one-way delay: 48.111 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 50.99 Mbit/s

95th percentile per-packet one-way delay: 47.994 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 48.514 ms

Loss rate: 0.28%

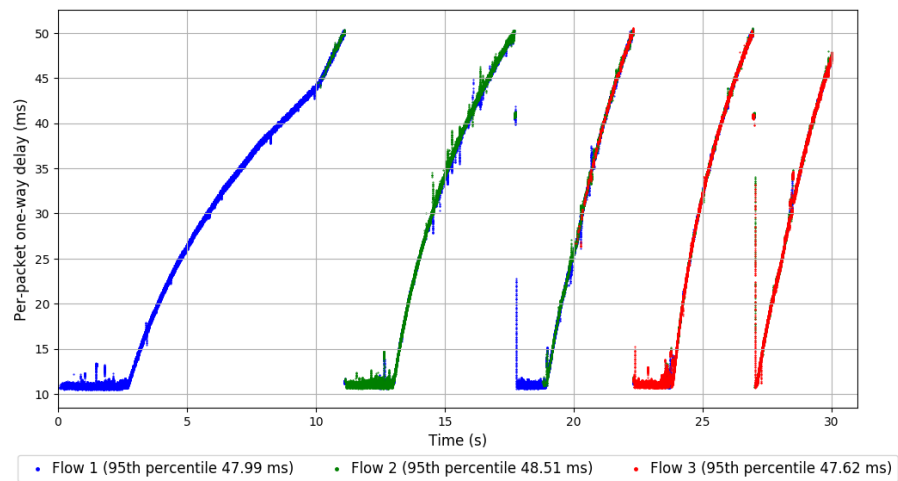
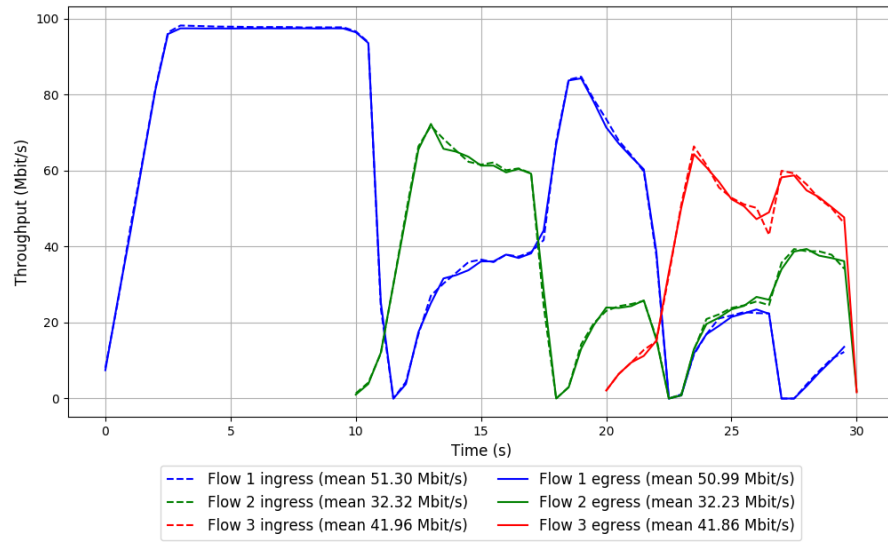
-- Flow 3:

Average throughput: 41.86 Mbit/s

95th percentile per-packet one-way delay: 47.618 ms

Loss rate: 0.05%

Run 10: Report of LEDBAT — Data Link

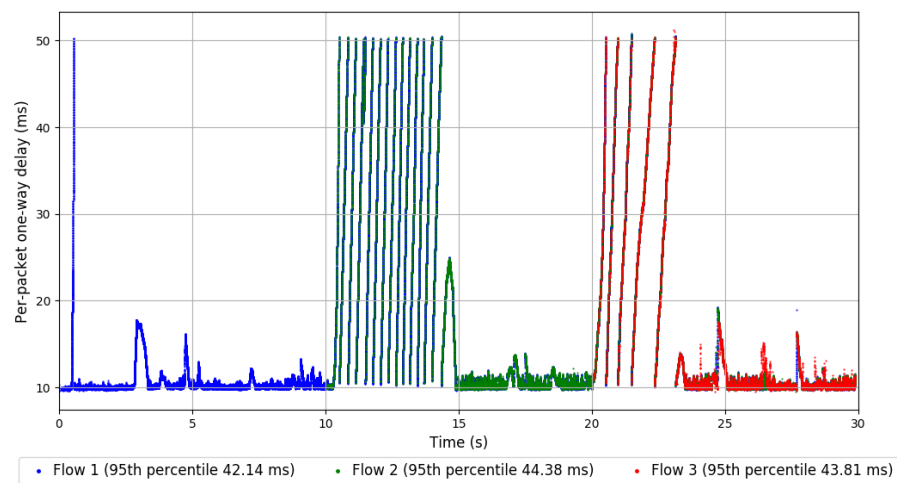
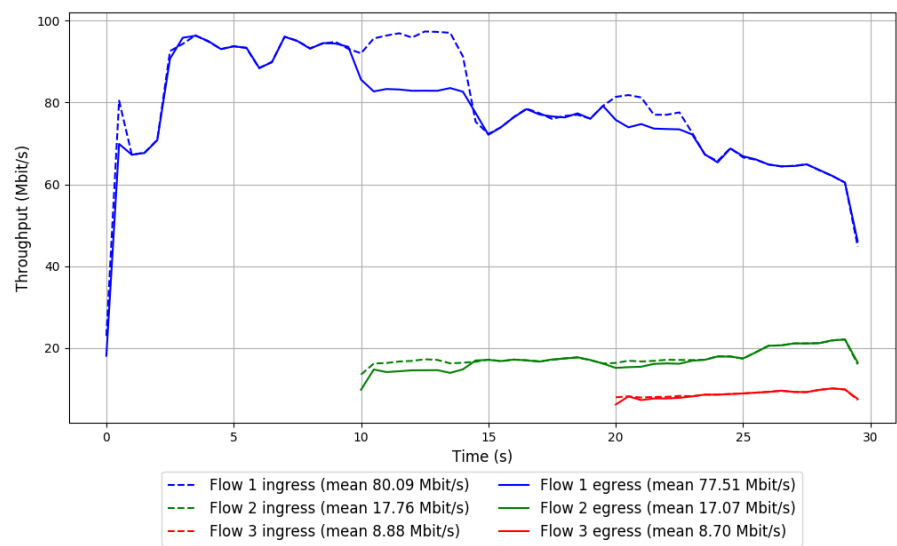


Run 1: Statistics of PCC

Start at: 2018-02-16 14:34:28
End at: 2018-02-16 14:34:59
Local clock offset: -2.69 ms
Remote clock offset: 32.565 ms

Below is generated by plot.py at 2018-02-16 18:59:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 42.581 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 42.144 ms
Loss rate: 3.23%
-- Flow 2:
Average throughput: 17.07 Mbit/s
95th percentile per-packet one-way delay: 44.378 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 43.809 ms
Loss rate: 2.00%

Run 1: Report of PCC — Data Link

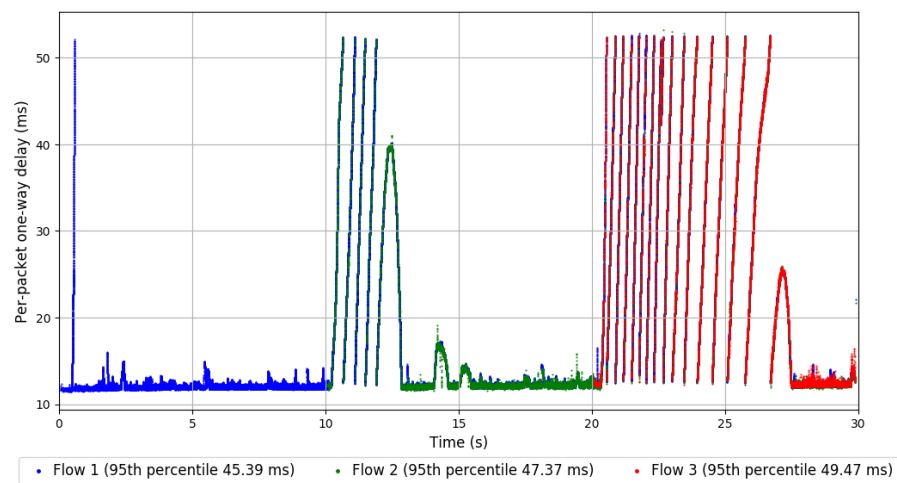
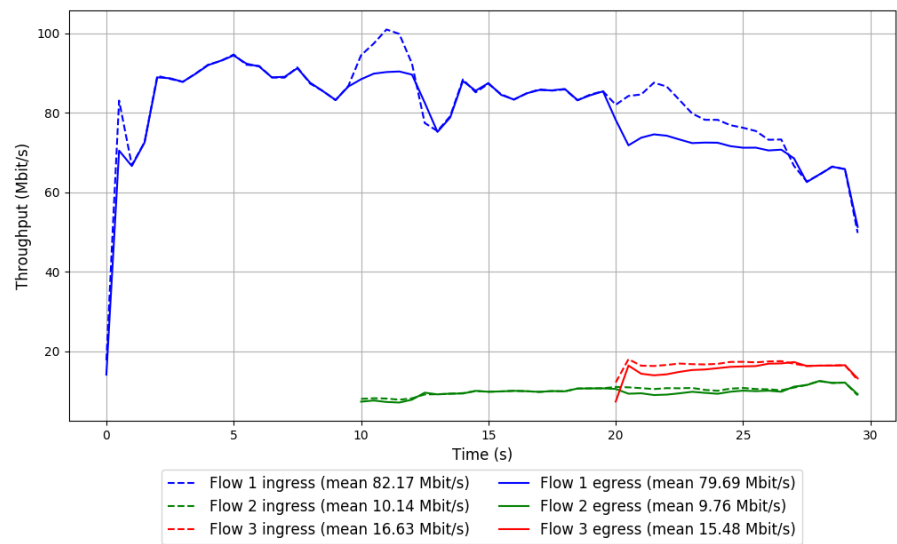


Run 2: Statistics of PCC

Start at: 2018-02-16 14:57:02
End at: 2018-02-16 14:57:32
Local clock offset: -4.533 ms
Remote clock offset: -10.778 ms

Below is generated by plot.py at 2018-02-16 18:59:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 46.171 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 79.69 Mbit/s
95th percentile per-packet one-way delay: 45.392 ms
Loss rate: 2.99%
-- Flow 2:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 47.373 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 49.465 ms
Loss rate: 6.94%

Run 2: Report of PCC — Data Link

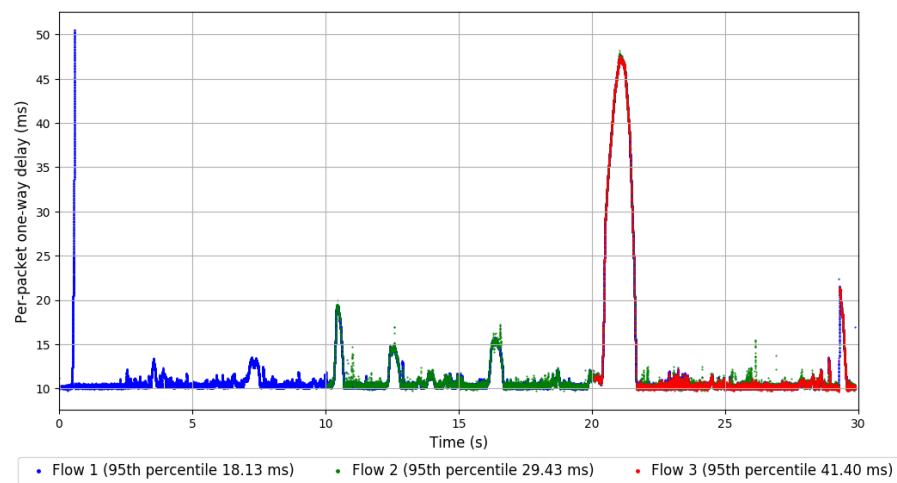
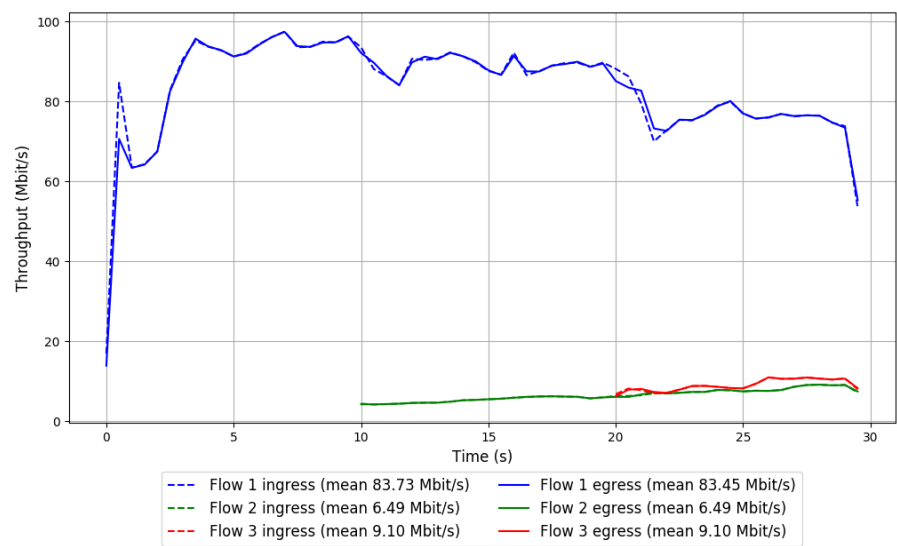


Run 3: Statistics of PCC

Start at: 2018-02-16 15:20:01
End at: 2018-02-16 15:20:31
Local clock offset: -3.996 ms
Remote clock offset: -9.837 ms

Below is generated by plot.py at 2018-02-16 19:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 18.907 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 83.45 Mbit/s
95th percentile per-packet one-way delay: 18.133 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 29.431 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 41.396 ms
Loss rate: 0.00%

Run 3: Report of PCC — Data Link

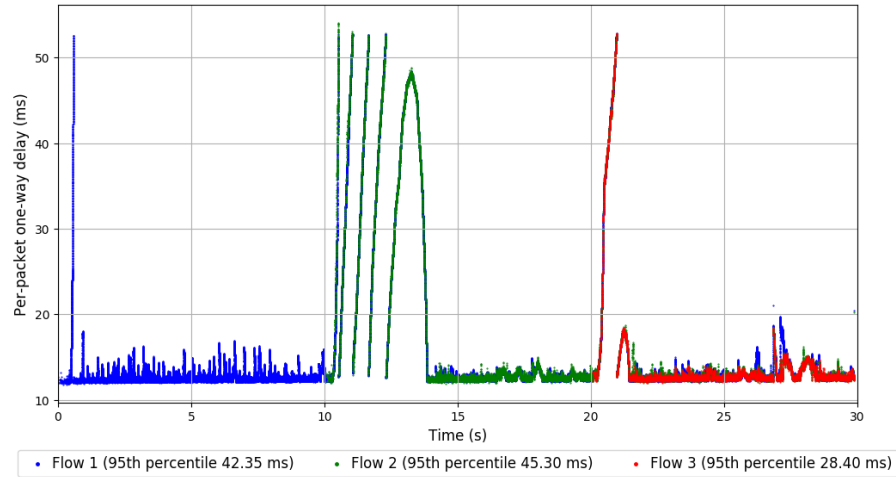
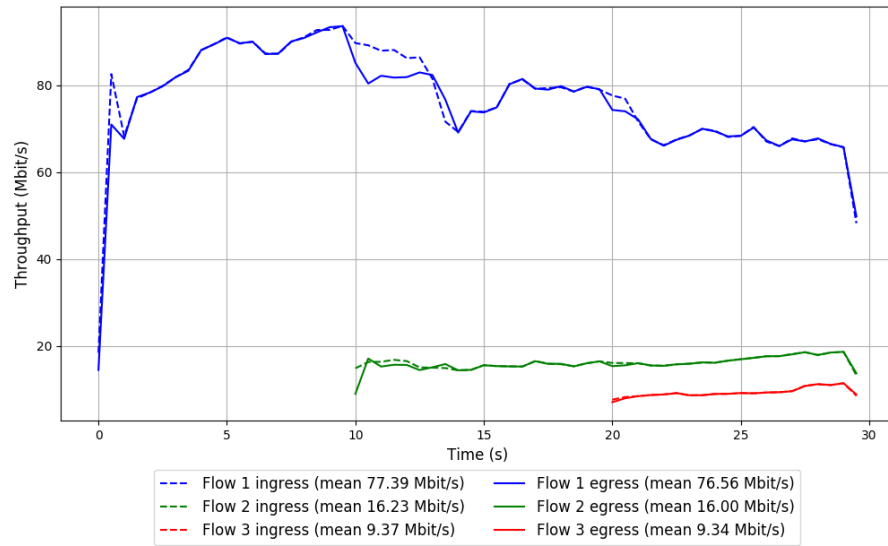


Run 4: Statistics of PCC

Start at: 2018-02-16 15:43:01
End at: 2018-02-16 15:43:31
Local clock offset: 0.661 ms
Remote clock offset: -10.565 ms

Below is generated by plot.py at 2018-02-16 19:00:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: 42.743 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 76.56 Mbit/s
95th percentile per-packet one-way delay: 42.353 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 45.301 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 28.398 ms
Loss rate: 0.35%

Run 4: Report of PCC — Data Link

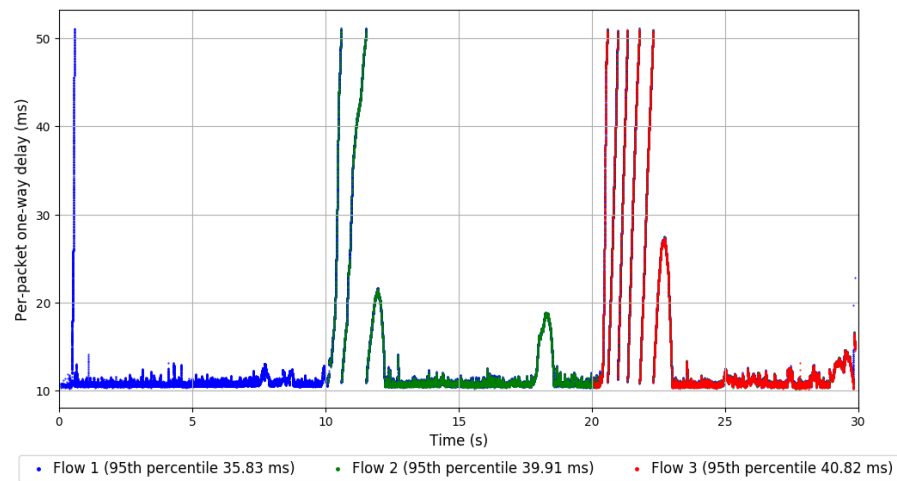
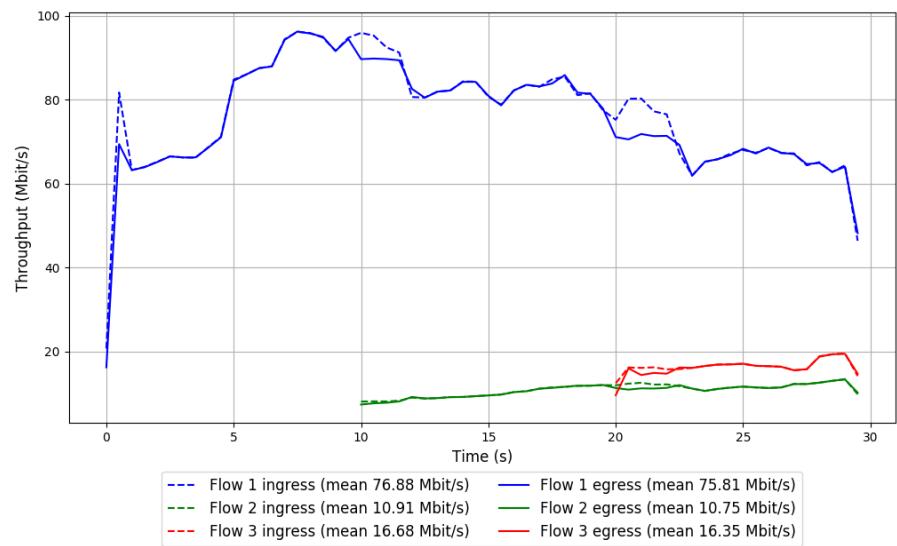


Run 5: Statistics of PCC

Start at: 2018-02-16 16:06:59
End at: 2018-02-16 16:07:29
Local clock offset: -0.32 ms
Remote clock offset: -4.637 ms

Below is generated by plot.py at 2018-02-16 19:00:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.36 Mbit/s
95th percentile per-packet one-way delay: 36.795 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 35.827 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 39.908 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 40.820 ms
Loss rate: 1.96%

Run 5: Report of PCC — Data Link

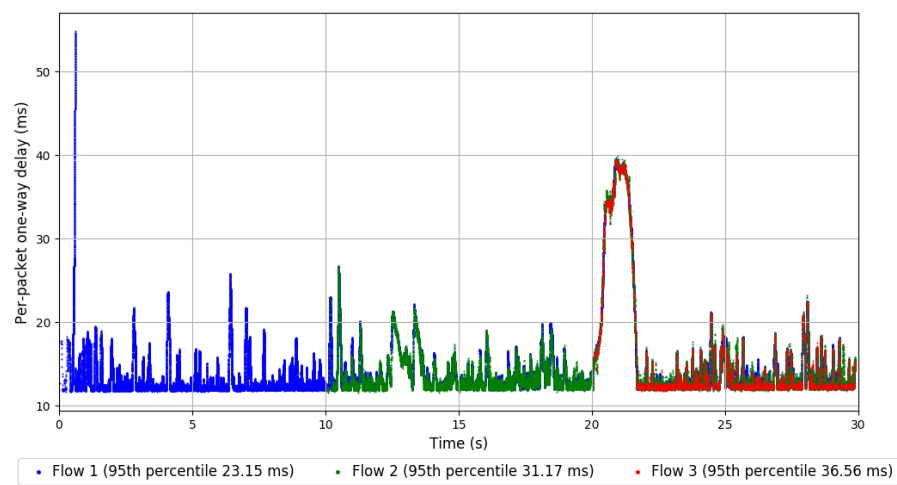
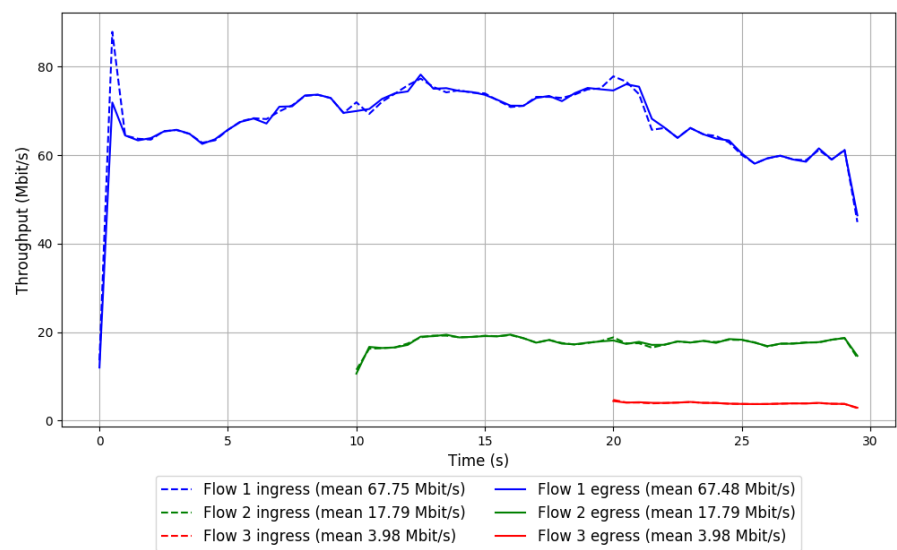


Run 6: Statistics of PCC

Start at: 2018-02-16 16:31:06
End at: 2018-02-16 16:31:36
Local clock offset: -5.297 ms
Remote clock offset: -2.971 ms

Below is generated by plot.py at 2018-02-16 19:00:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.62 Mbit/s
95th percentile per-packet one-way delay: 24.879 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 67.48 Mbit/s
95th percentile per-packet one-way delay: 23.154 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 17.79 Mbit/s
95th percentile per-packet one-way delay: 31.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 36.564 ms
Loss rate: 0.00%

Run 6: Report of PCC — Data Link

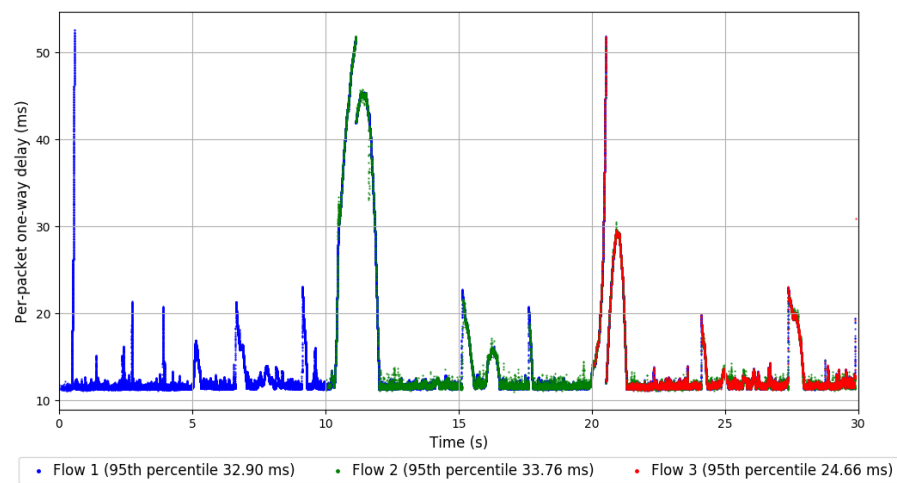
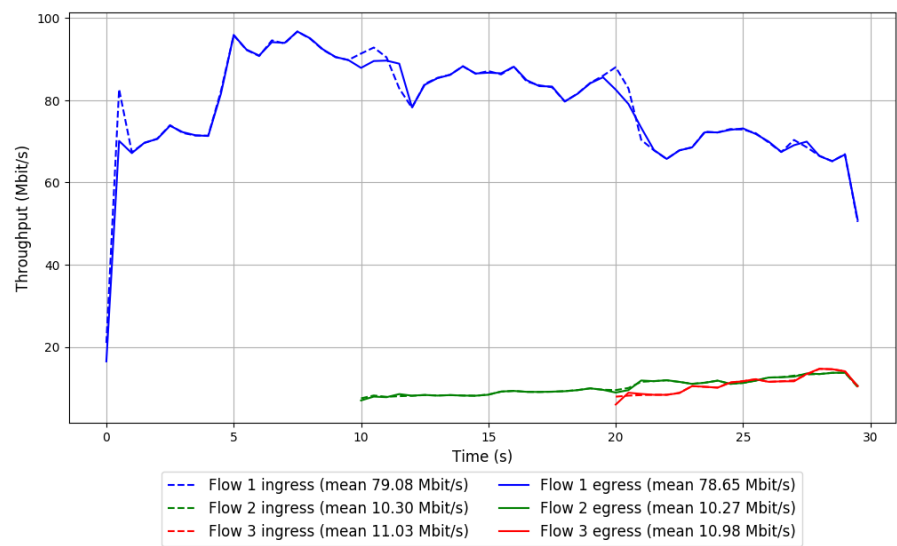


Run 7: Statistics of PCC

Start at: 2018-02-16 16:54:09
End at: 2018-02-16 16:54:39
Local clock offset: -1.116 ms
Remote clock offset: -2.993 ms

Below is generated by plot.py at 2018-02-16 19:00:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 32.134 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 32.903 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 33.763 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 24.660 ms
Loss rate: 0.42%

Run 7: Report of PCC — Data Link

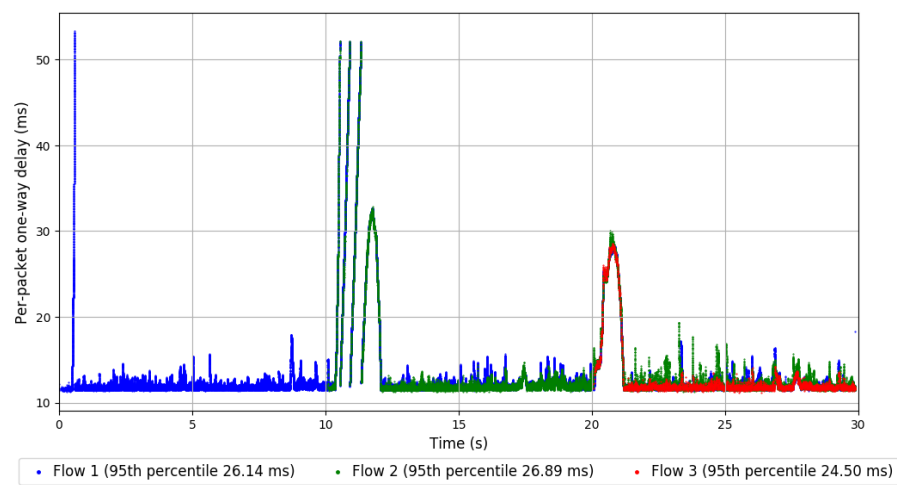
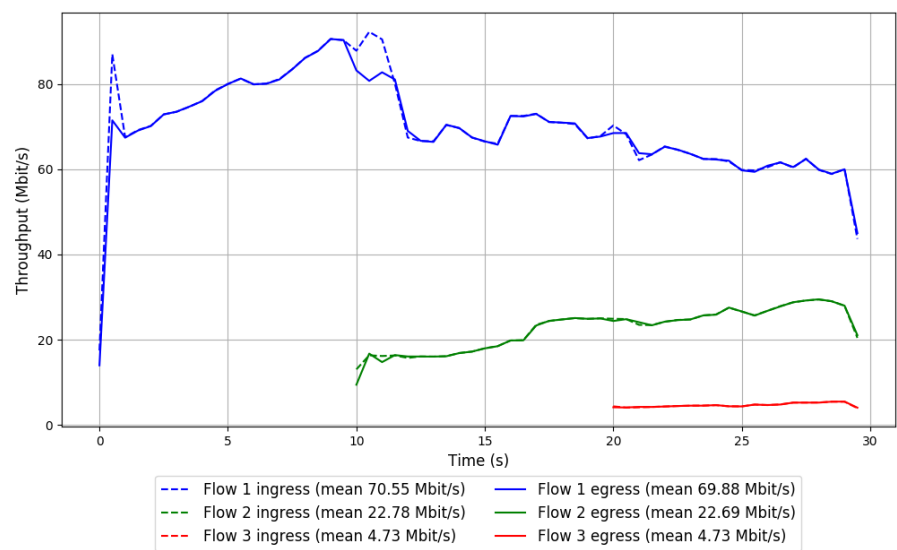


Run 8: Statistics of PCC

Start at: 2018-02-16 17:16:57
End at: 2018-02-16 17:17:27
Local clock offset: -3.733 ms
Remote clock offset: -2.289 ms

Below is generated by plot.py at 2018-02-16 19:00:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 26.255 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 26.139 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 22.69 Mbit/s
95th percentile per-packet one-way delay: 26.891 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 24.495 ms
Loss rate: 0.00%

Run 8: Report of PCC — Data Link

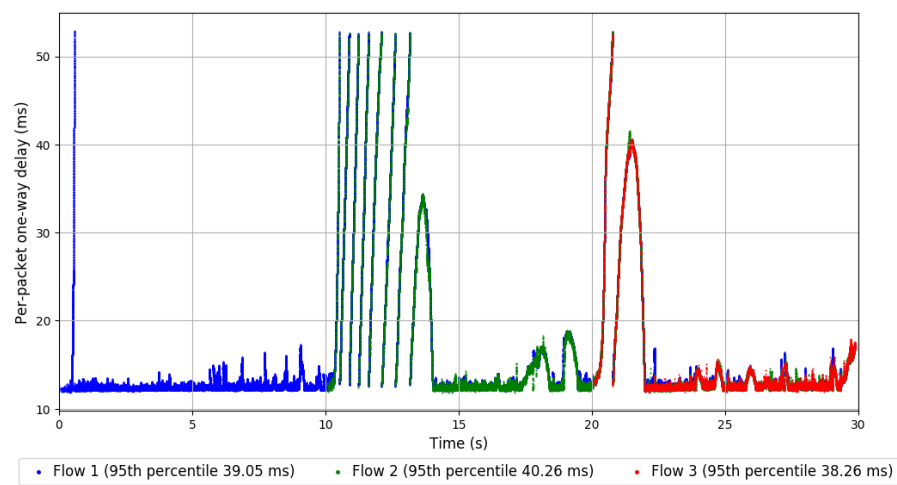
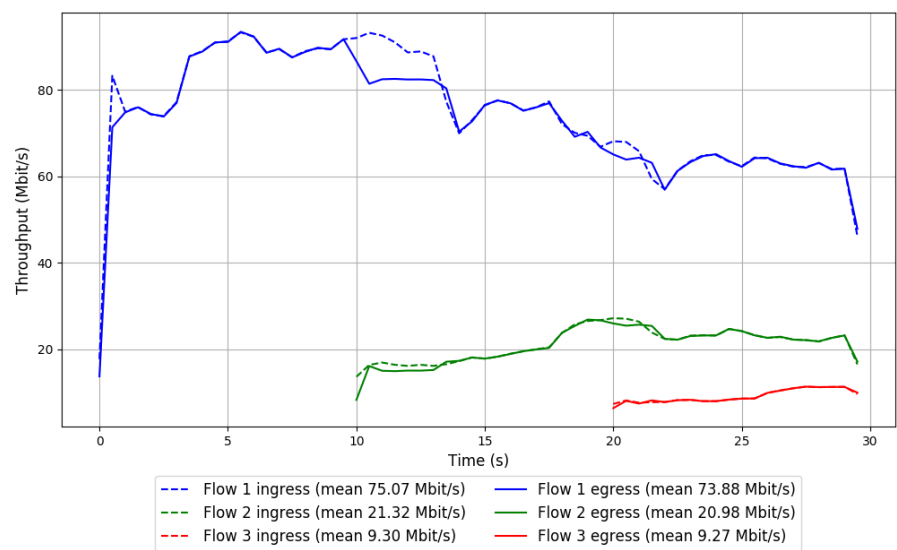


Run 9: Statistics of PCC

Start at: 2018-02-16 17:39:08
End at: 2018-02-16 17:39:38
Local clock offset: -6.812 ms
Remote clock offset: -1.807 ms

Below is generated by plot.py at 2018-02-16 19:01:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 39.283 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 73.88 Mbit/s
95th percentile per-packet one-way delay: 39.051 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: 40.256 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 38.255 ms
Loss rate: 0.36%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-16 18:01:19

End at: 2018-02-16 18:01:49

Local clock offset: -2.605 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-02-16 19:01:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.01 Mbit/s

95th percentile per-packet one-way delay: 33.858 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 70.70 Mbit/s

95th percentile per-packet one-way delay: 33.325 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 21.92 Mbit/s

95th percentile per-packet one-way delay: 35.455 ms

Loss rate: 1.20%

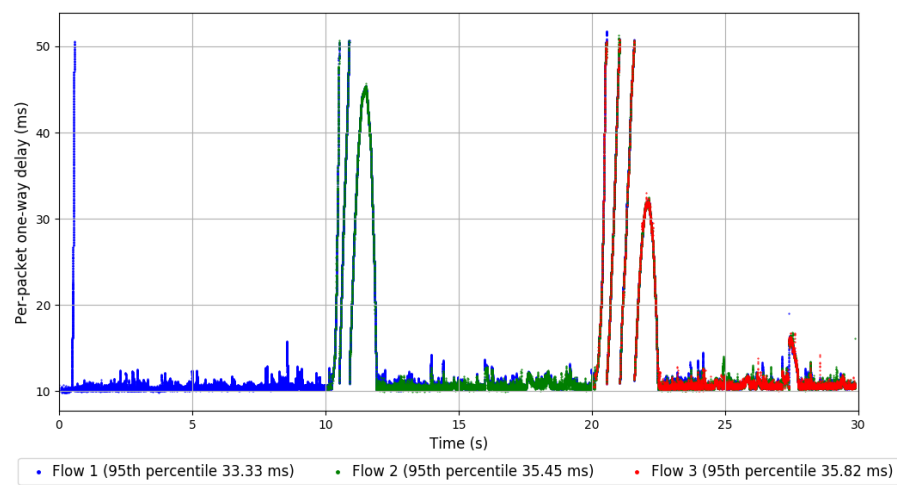
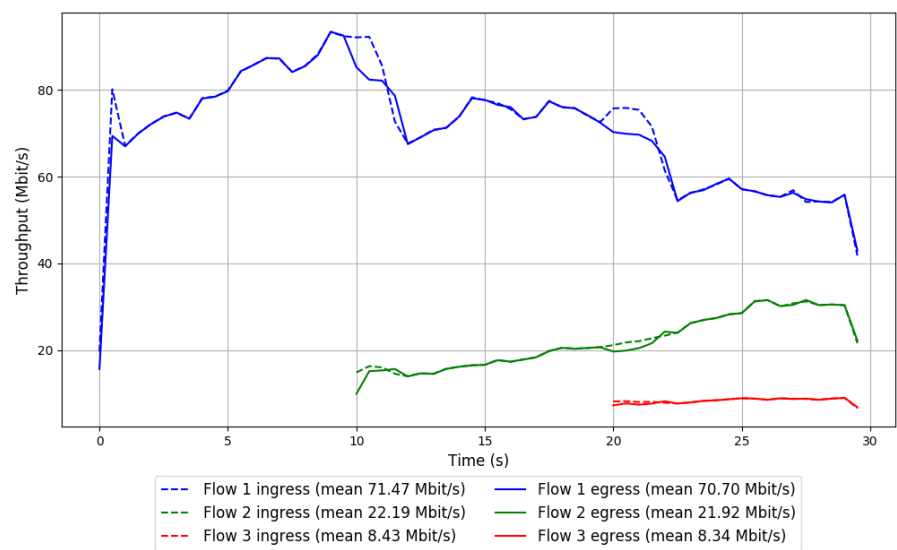
-- Flow 3:

Average throughput: 8.34 Mbit/s

95th percentile per-packet one-way delay: 35.824 ms

Loss rate: 1.15%

Run 10: Report of PCC — Data Link

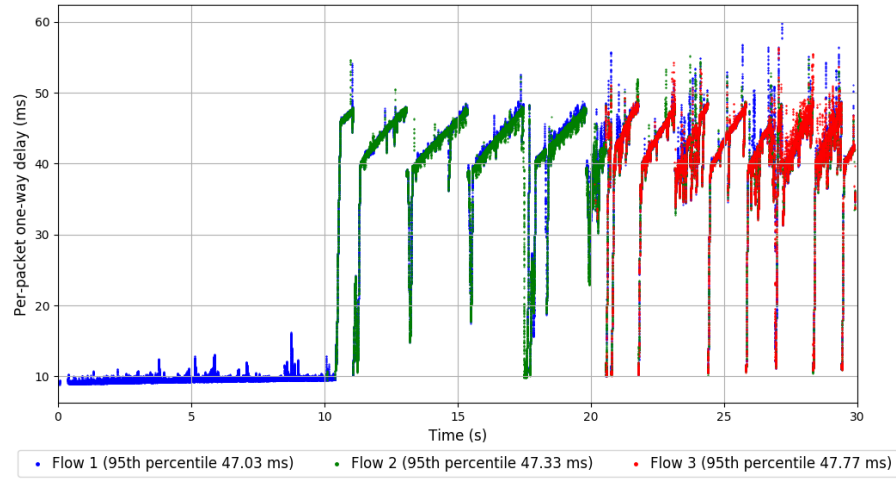
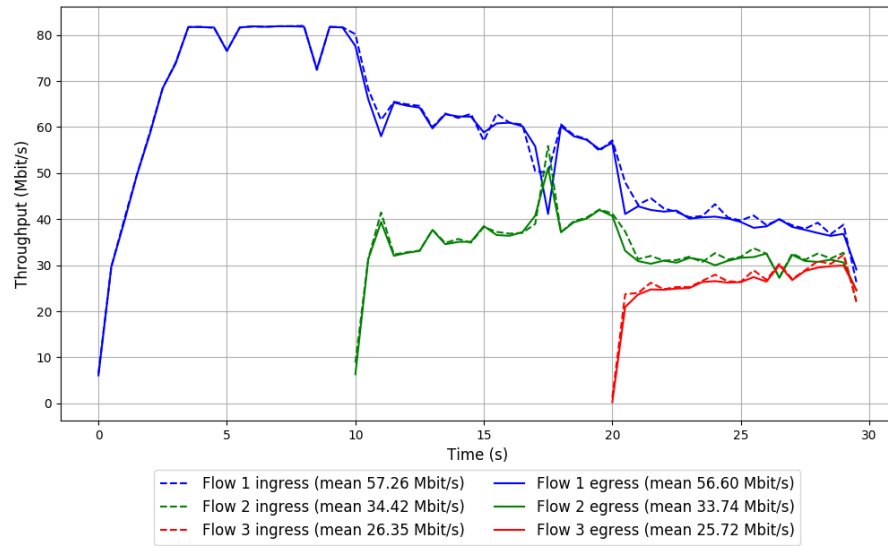


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 14:39:31
End at: 2018-02-16 14:40:01
Local clock offset: -3.069 ms
Remote clock offset: 16.119 ms

# Below is generated by plot.py at 2018-02-16 19:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 47.187 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 47.034 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 47.325 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 47.765 ms
Loss rate: 2.42%
```

Run 1: Report of QUIC Cubic — Data Link

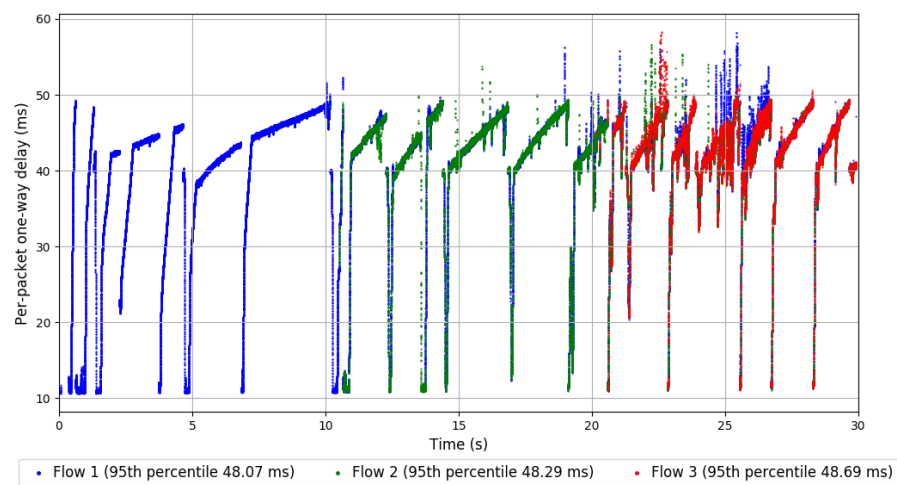
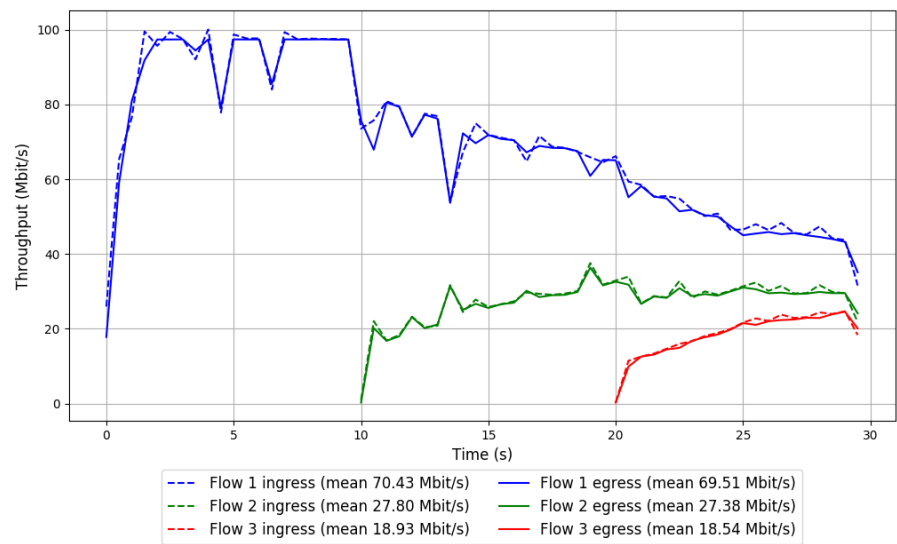


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 15:02:06
End at: 2018-02-16 15:02:36
Local clock offset: -3.726 ms
Remote clock offset: -14.495 ms

Below is generated by plot.py at 2018-02-16 19:02:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 48.176 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 48.067 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 27.38 Mbit/s
95th percentile per-packet one-way delay: 48.288 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 18.54 Mbit/s
95th percentile per-packet one-way delay: 48.689 ms
Loss rate: 2.11%

Run 2: Report of QUIC Cubic — Data Link

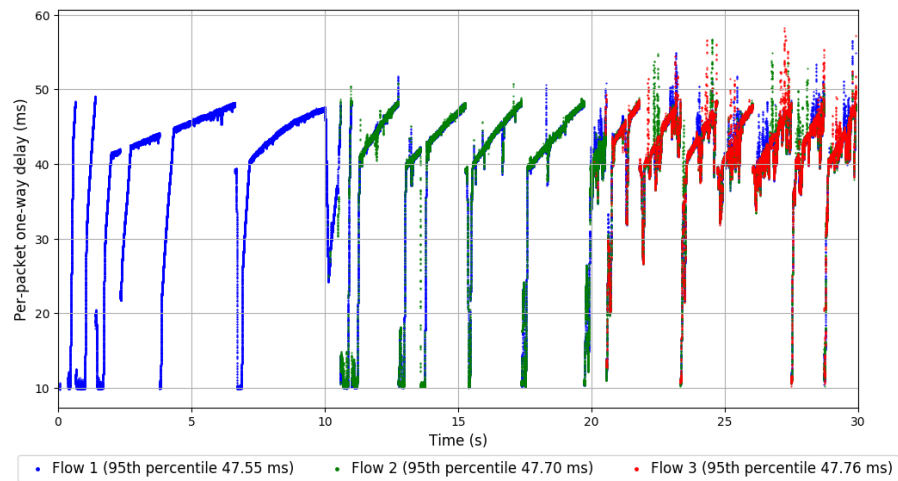
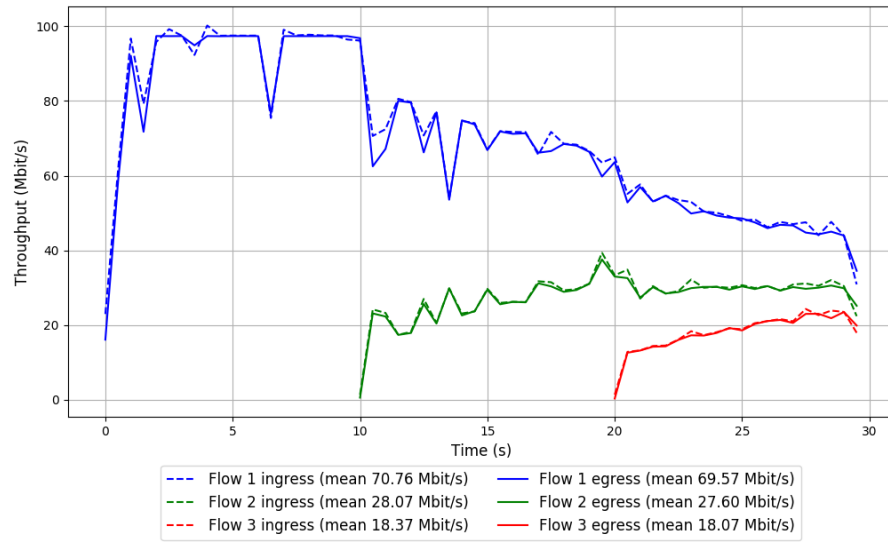


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 15:25:06
End at: 2018-02-16 15:25:36
Local clock offset: -2.811 ms
Remote clock offset: -8.948 ms

Below is generated by plot.py at 2018-02-16 19:02:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 47.593 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 47.552 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 27.60 Mbit/s
95th percentile per-packet one-way delay: 47.703 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 18.07 Mbit/s
95th percentile per-packet one-way delay: 47.763 ms
Loss rate: 1.50%

Run 3: Report of QUIC Cubic — Data Link

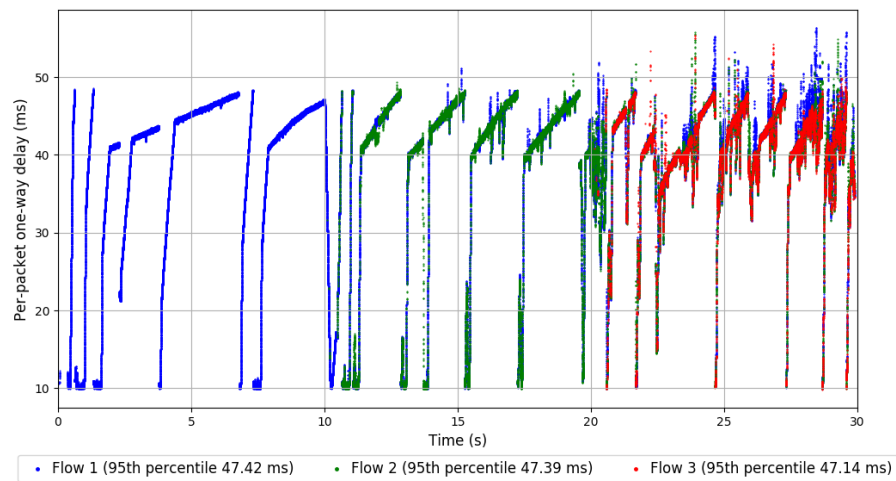
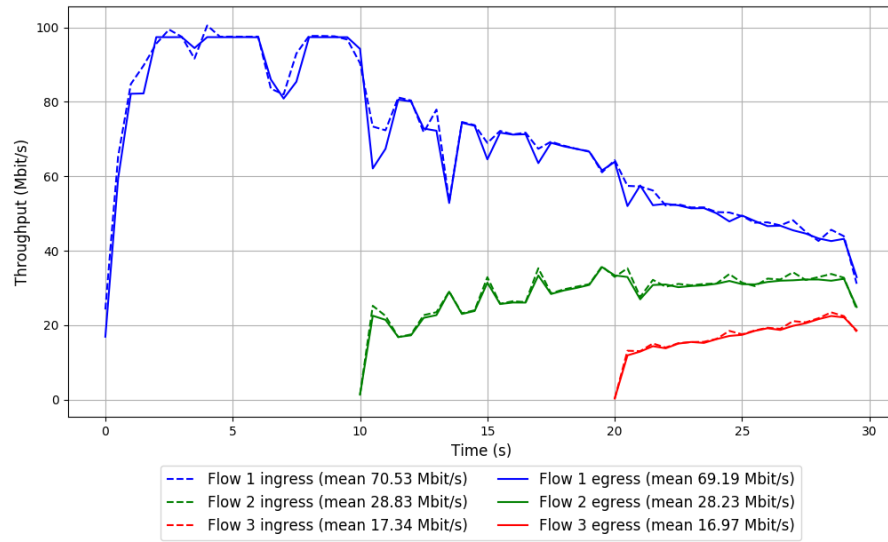


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 15:48:06
End at: 2018-02-16 15:48:36
Local clock offset: 3.732 ms
Remote clock offset: -7.841 ms

Below is generated by plot.py at 2018-02-16 19:02:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 47.402 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 47.420 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 47.388 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 47.143 ms
Loss rate: 2.23%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 16:12:53

End at: 2018-02-16 16:13:23

Local clock offset: -1.844 ms

Remote clock offset: -6.1 ms

Below is generated by plot.py at 2018-02-16 19:02:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.70 Mbit/s

95th percentile per-packet one-way delay: 46.365 ms

Loss rate: 1.85%

-- Flow 1:

Average throughput: 57.88 Mbit/s

95th percentile per-packet one-way delay: 46.213 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 39.69 Mbit/s

95th percentile per-packet one-way delay: 46.566 ms

Loss rate: 2.53%

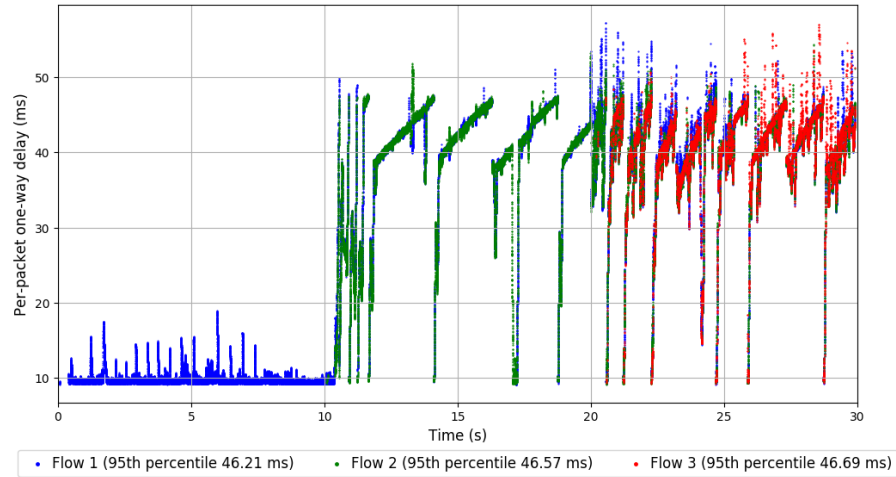
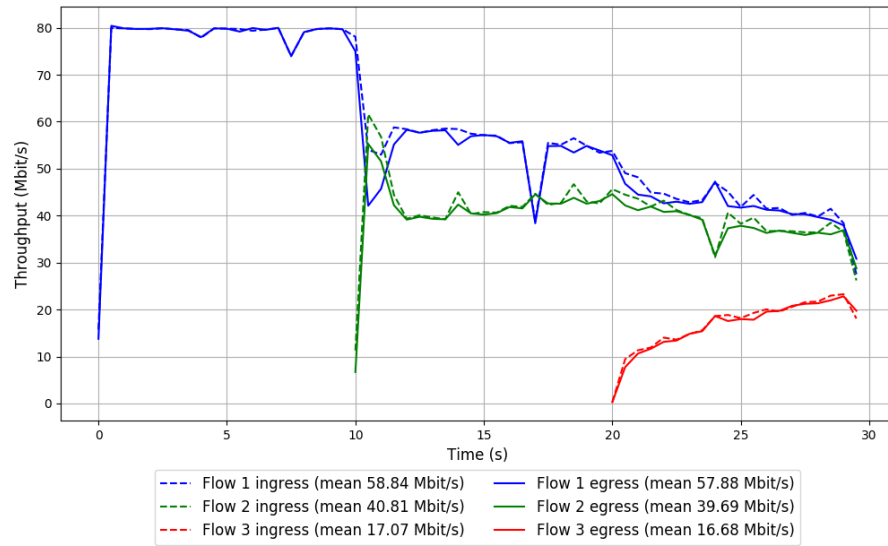
-- Flow 3:

Average throughput: 16.68 Mbit/s

95th percentile per-packet one-way delay: 46.690 ms

Loss rate: 2.24%

Run 5: Report of QUIC Cubic — Data Link

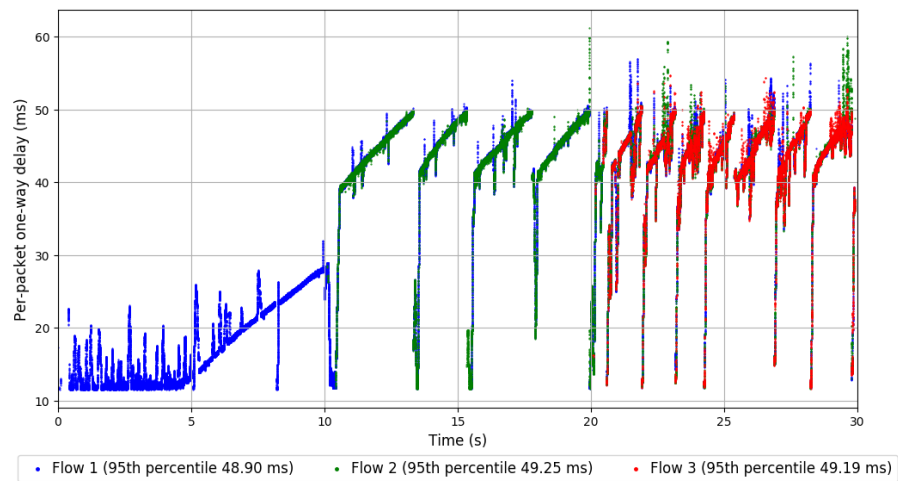
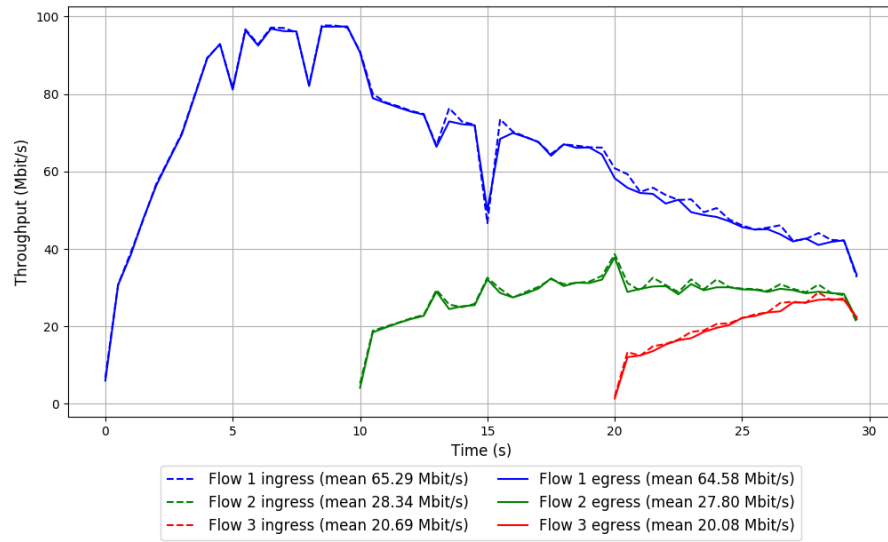


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 16:36:12
End at: 2018-02-16 16:36:42
Local clock offset: -3.708 ms
Remote clock offset: -3.498 ms

Below is generated by plot.py at 2018-02-16 19:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.63 Mbit/s
95th percentile per-packet one-way delay: 49.016 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 48.904 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 49.248 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 49.192 ms
Loss rate: 2.73%

Run 6: Report of QUIC Cubic — Data Link

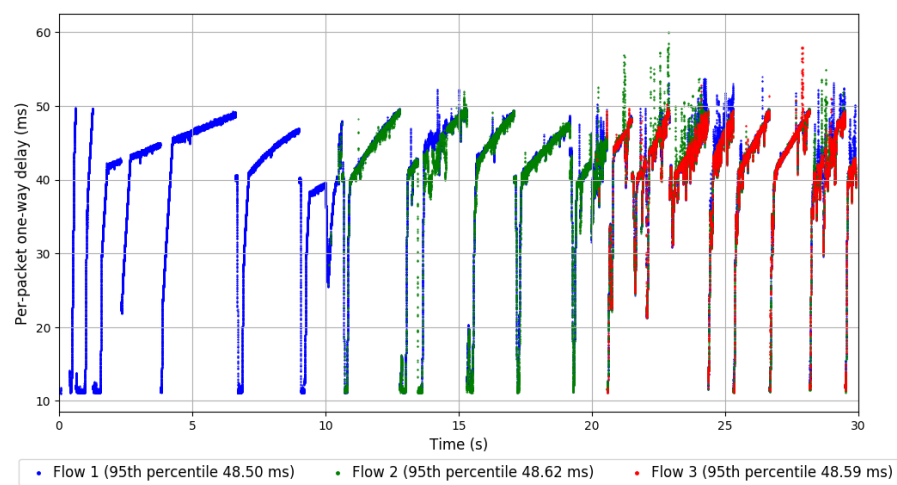
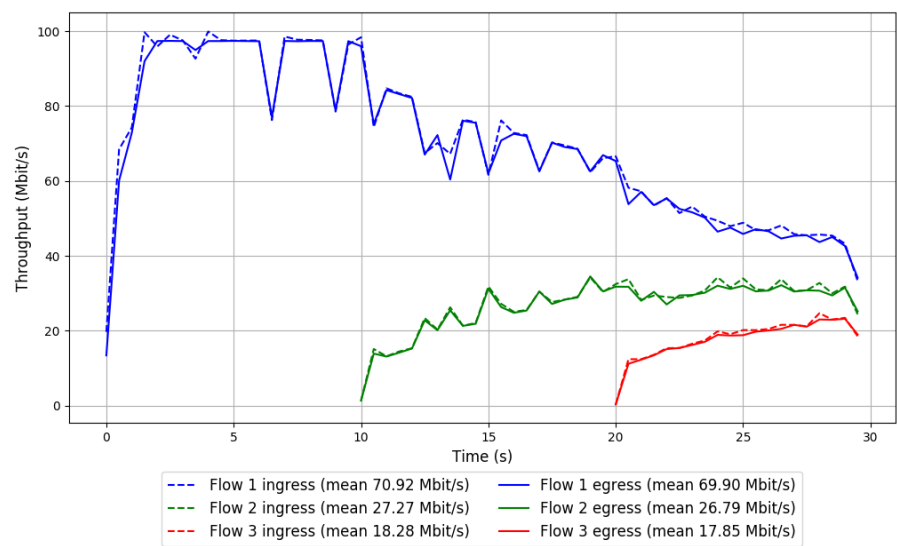


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 16:59:16
End at: 2018-02-16 16:59:46
Local clock offset: -0.692 ms
Remote clock offset: -2.683 ms

Below is generated by plot.py at 2018-02-16 19:02:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 48.517 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 69.90 Mbit/s
95th percentile per-packet one-way delay: 48.497 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 26.79 Mbit/s
95th percentile per-packet one-way delay: 48.622 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 17.85 Mbit/s
95th percentile per-packet one-way delay: 48.594 ms
Loss rate: 2.40%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 17:21:58

End at: 2018-02-16 17:22:28

Local clock offset: -5.389 ms

Remote clock offset: -2.78 ms

Below is generated by plot.py at 2018-02-16 19:02:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.97 Mbit/s

95th percentile per-packet one-way delay: 49.540 ms

Loss rate: 2.65%

-- Flow 1:

Average throughput: 62.51 Mbit/s

95th percentile per-packet one-way delay: 49.321 ms

Loss rate: 2.36%

-- Flow 2:

Average throughput: 29.14 Mbit/s

95th percentile per-packet one-way delay: 49.691 ms

Loss rate: 2.83%

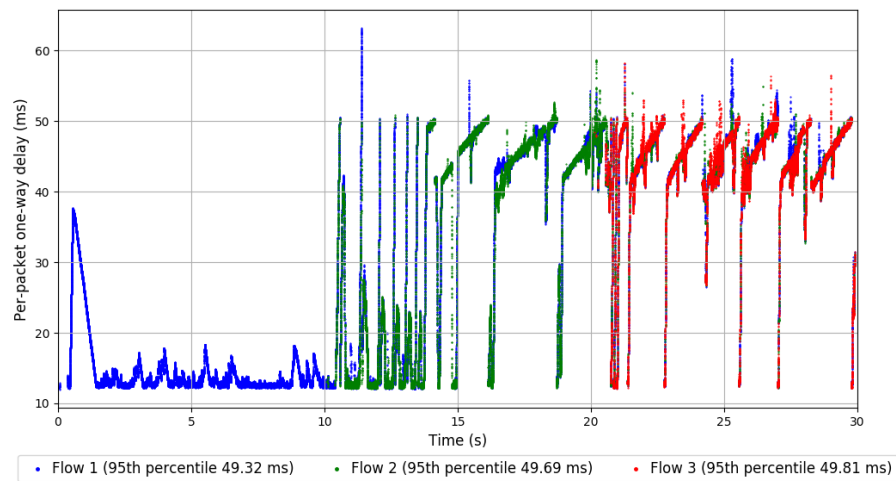
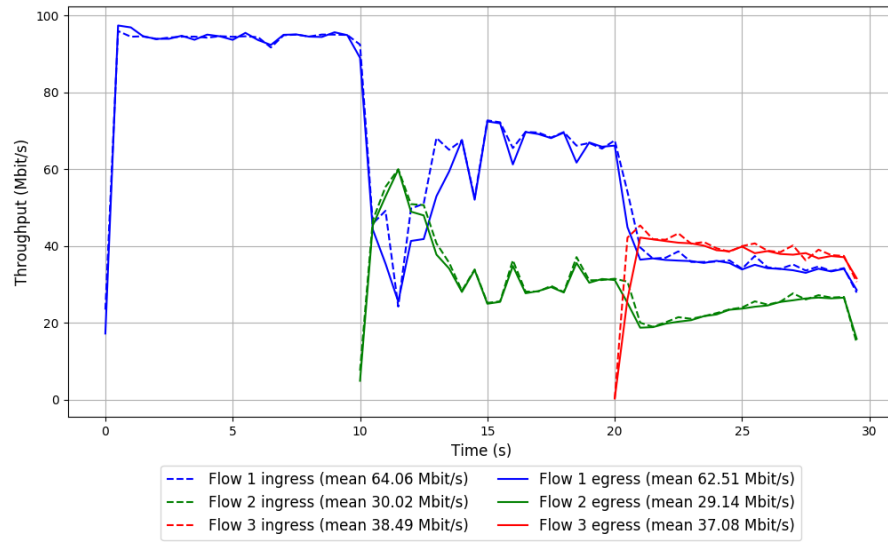
-- Flow 3:

Average throughput: 37.08 Mbit/s

95th percentile per-packet one-way delay: 49.809 ms

Loss rate: 3.83%

Run 8: Report of QUIC Cubic — Data Link

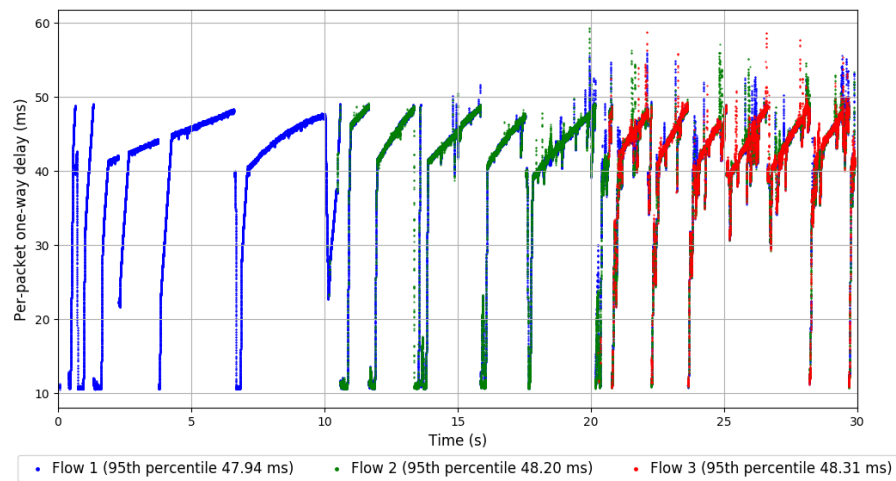
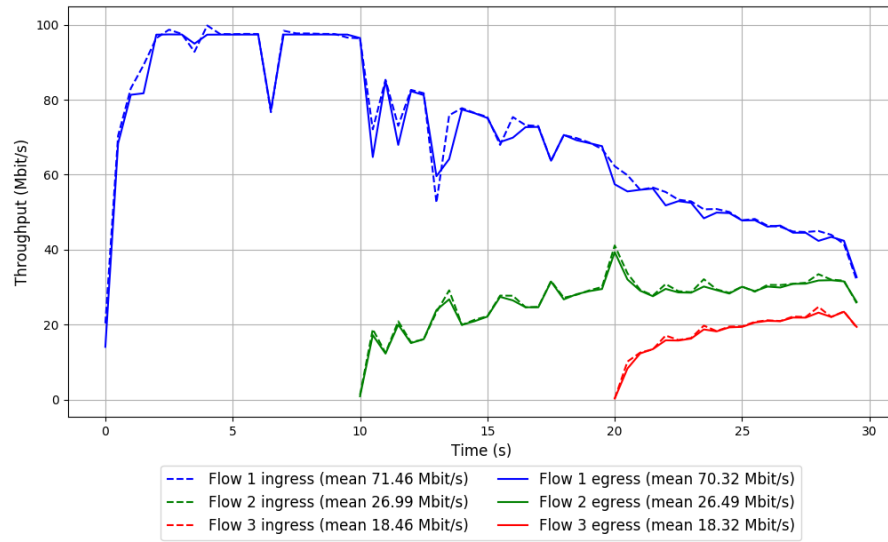


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 17:44:07
End at: 2018-02-16 17:44:37
Local clock offset: -3.656 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-02-16 19:03:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 48.018 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 47.940 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 26.49 Mbit/s
95th percentile per-packet one-way delay: 48.203 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 48.315 ms
Loss rate: 2.02%

Run 9: Report of QUIC Cubic — Data Link

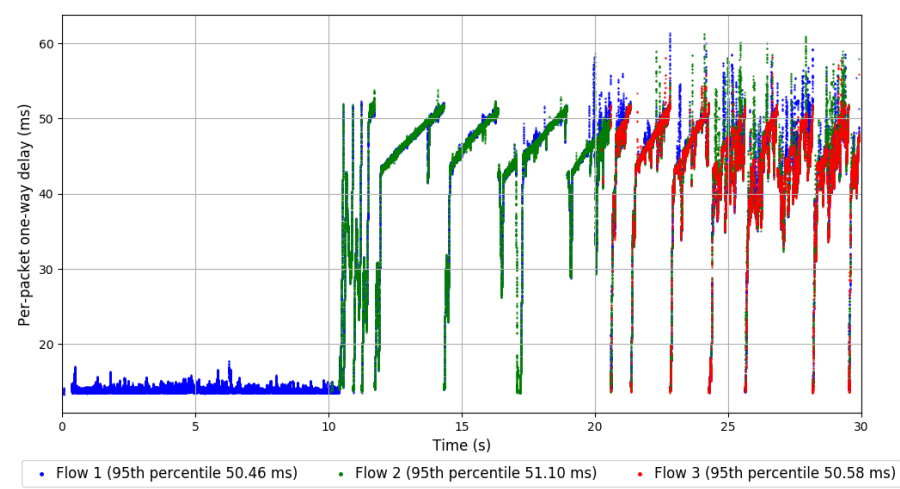
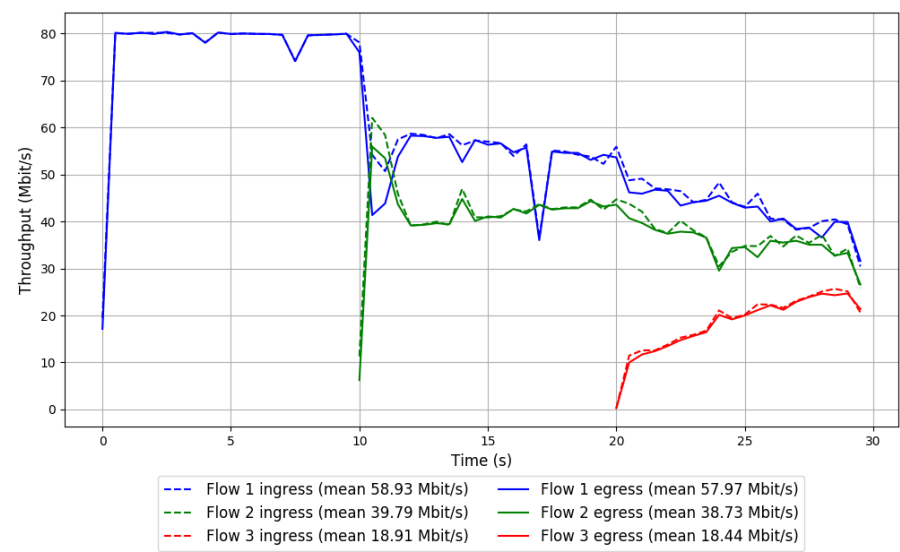


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 18:06:24
End at: 2018-02-16 18:06:54
Local clock offset: -6.123 ms
Remote clock offset: -1.725 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 50.677 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 57.97 Mbit/s
95th percentile per-packet one-way delay: 50.461 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 51.105 ms
Loss rate: 2.45%
-- Flow 3:
Average throughput: 18.44 Mbit/s
95th percentile per-packet one-way delay: 50.578 ms
Loss rate: 2.43%

Run 10: Report of QUIC Cubic — Data Link

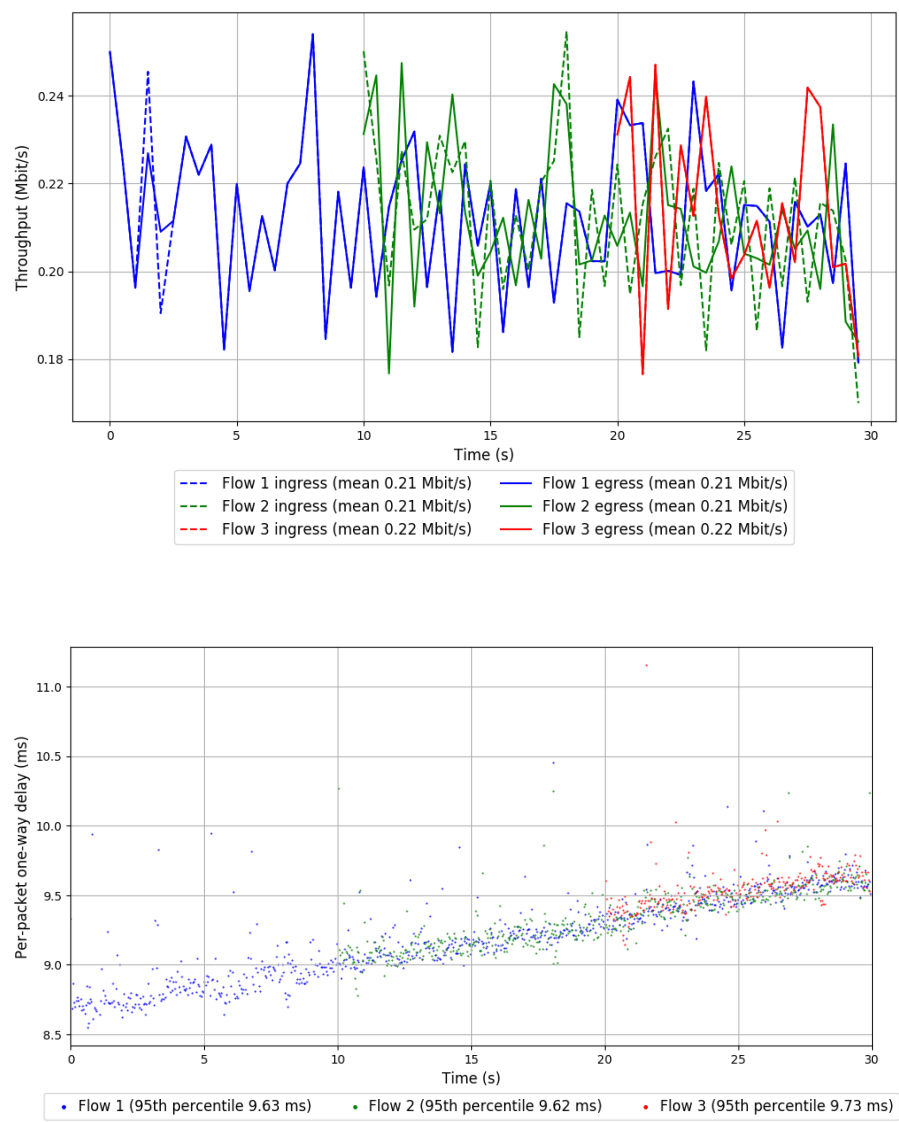


```
Run 1: Statistics of SReAM

Start at: 2018-02-16 14:44:32
End at: 2018-02-16 14:45:02
Local clock offset: -2.824 ms
Remote clock offset: 3.622 ms

# Below is generated by plot.py at 2018-02-16 19:03:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 9.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.628 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.730 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

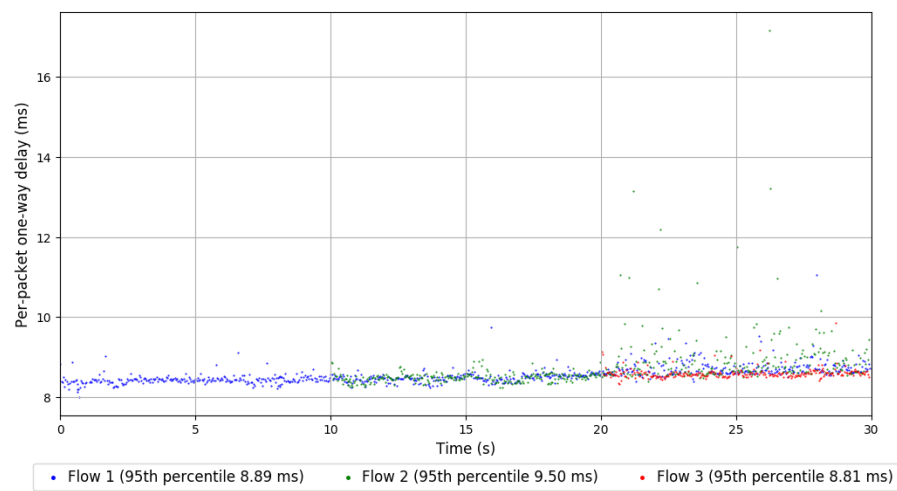
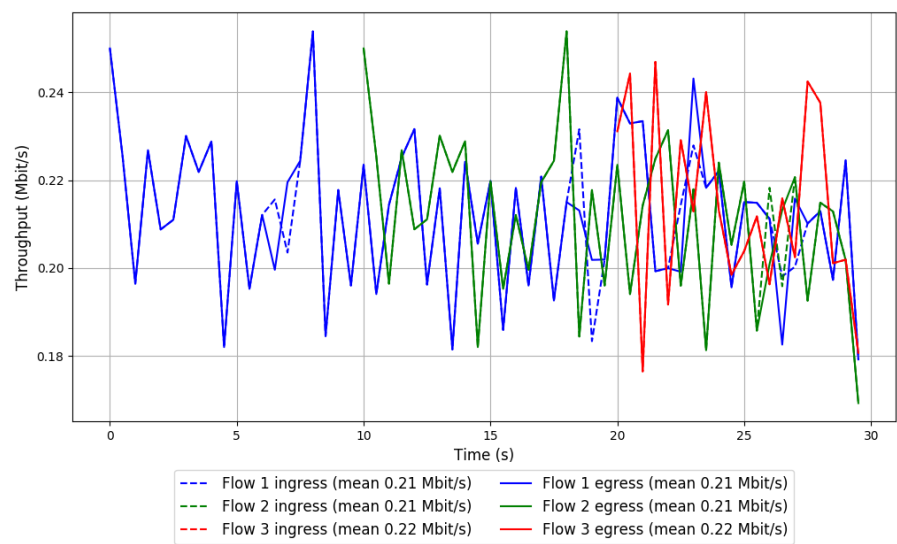


Run 2: Statistics of SReAM

Start at: 2018-02-16 15:07:14
End at: 2018-02-16 15:07:44
Local clock offset: -2.7 ms
Remote clock offset: -19.202 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 9.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.889 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.496 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.814 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

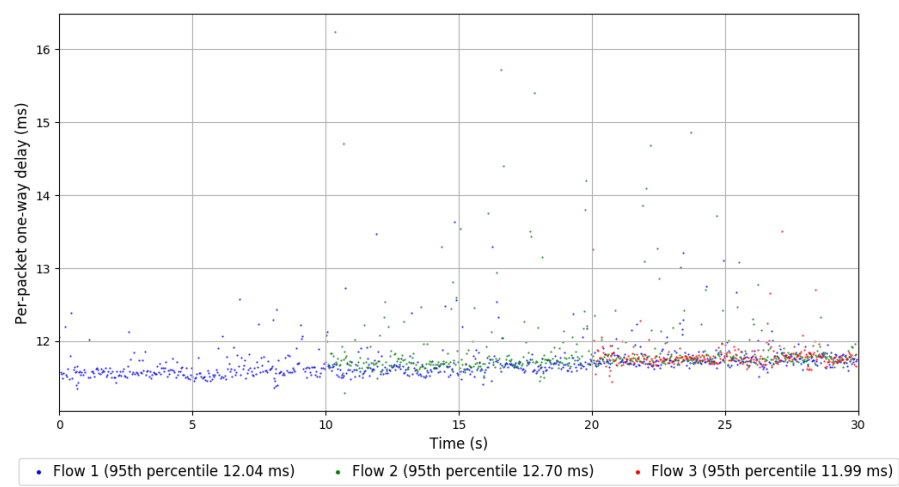
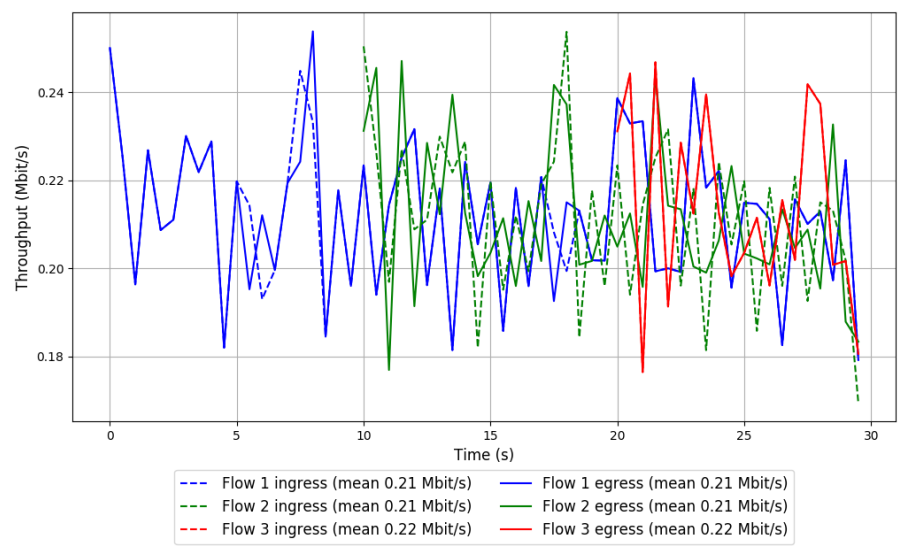


Run 3: Statistics of SCReAM

Start at: 2018-02-16 15:30:16
End at: 2018-02-16 15:30:46
Local clock offset: -1.372 ms
Remote clock offset: -8.588 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 12.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.044 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.988 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

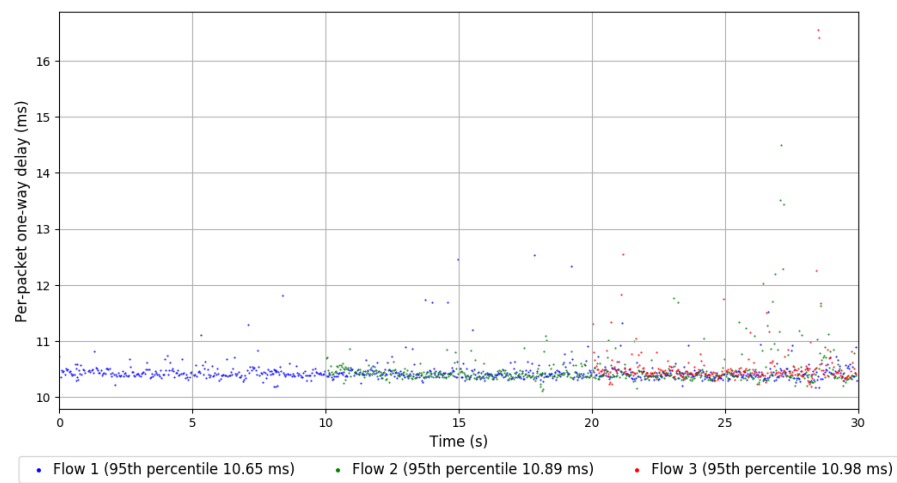
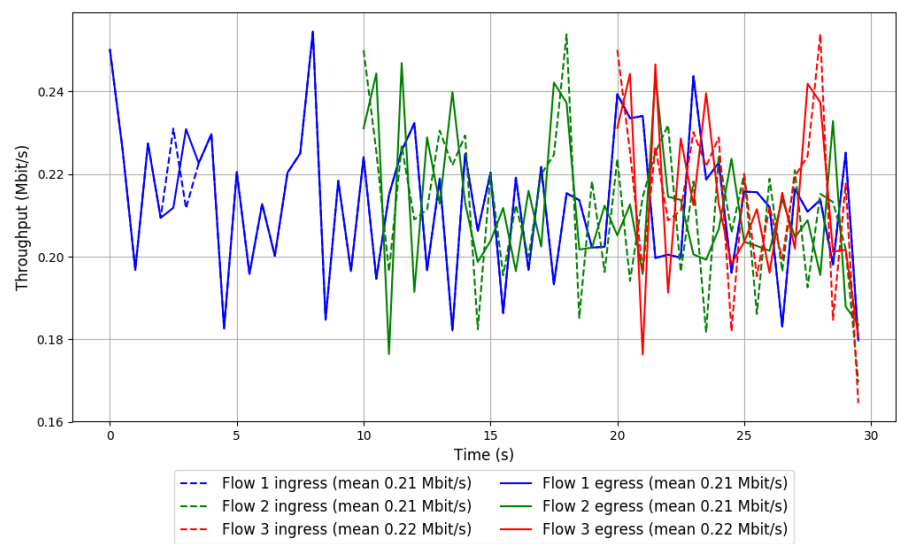


Run 4: Statistics of SReAM

Start at: 2018-02-16 15:53:28
End at: 2018-02-16 15:53:58
Local clock offset: 5.211 ms
Remote clock offset: -4.819 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.646 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.983 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

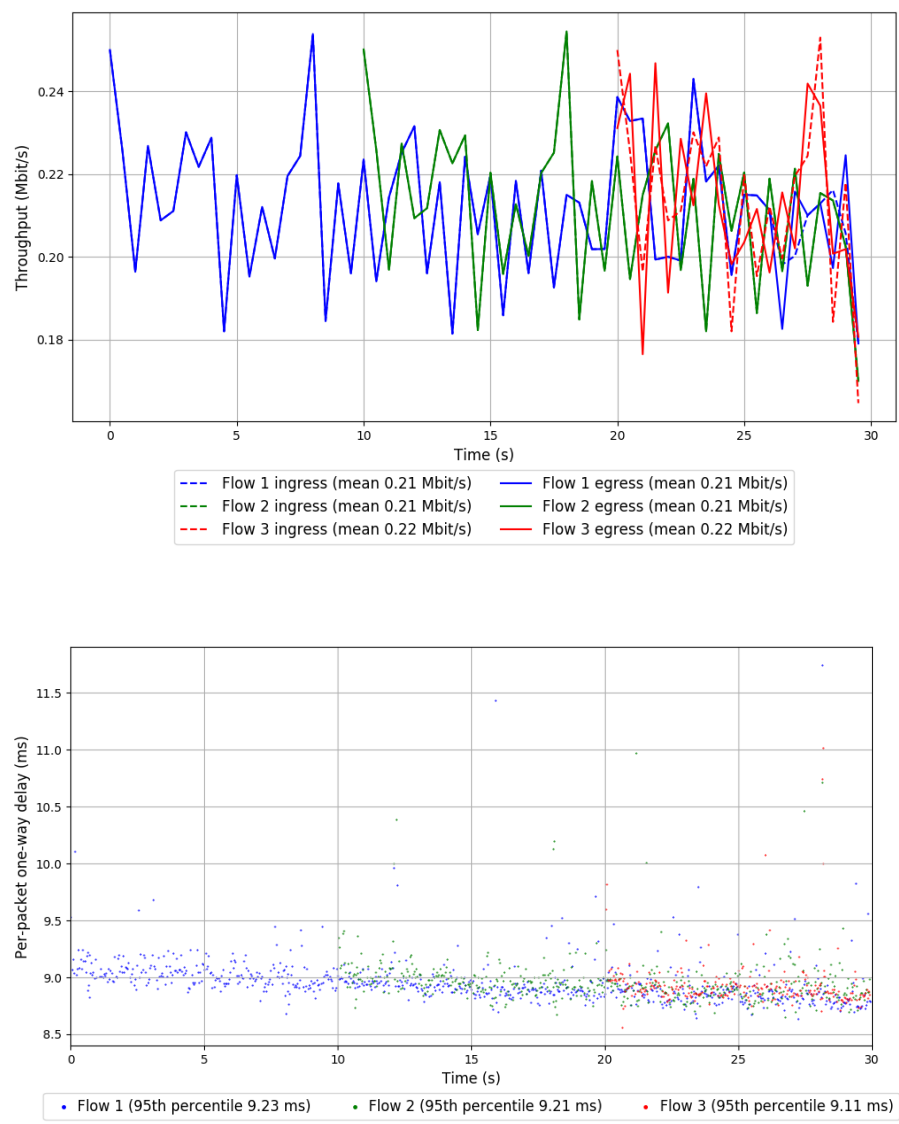


Run 5: Statistics of SReAM

Start at: 2018-02-16 16:18:19
End at: 2018-02-16 16:18:49
Local clock offset: -2.135 ms
Remote clock offset: -6.306 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 9.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.228 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.208 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.106 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

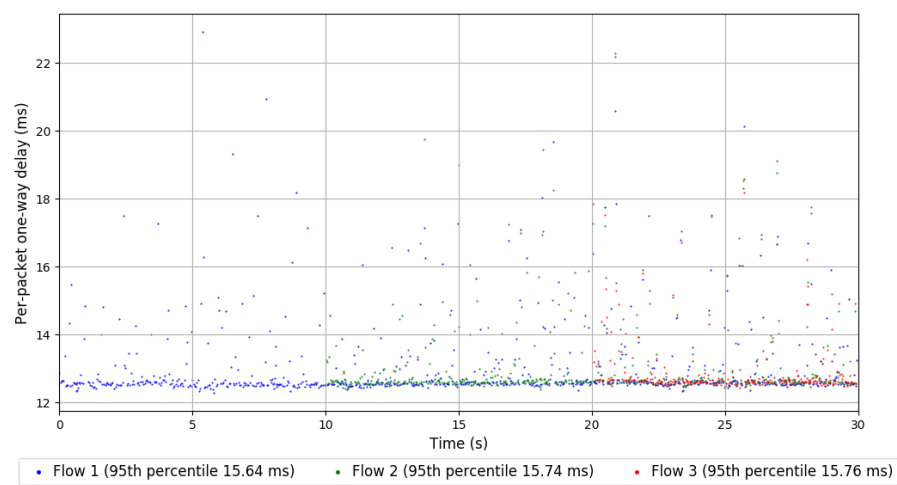
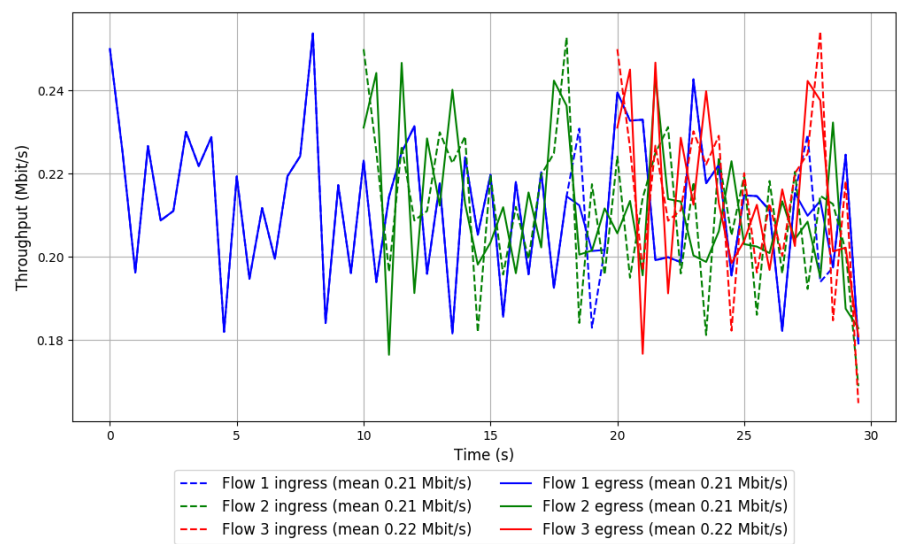


Run 6: Statistics of SReAM

Start at: 2018-02-16 16:41:17
End at: 2018-02-16 16:41:47
Local clock offset: -2.967 ms
Remote clock offset: -2.687 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.756 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

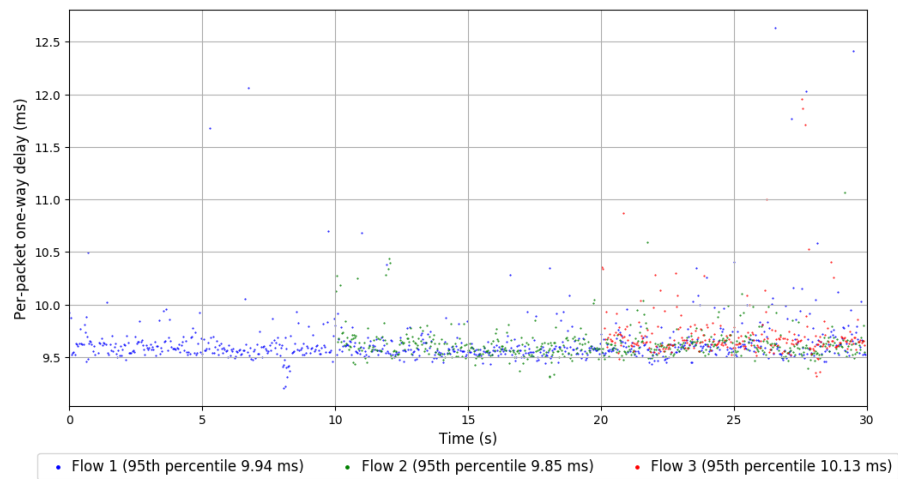
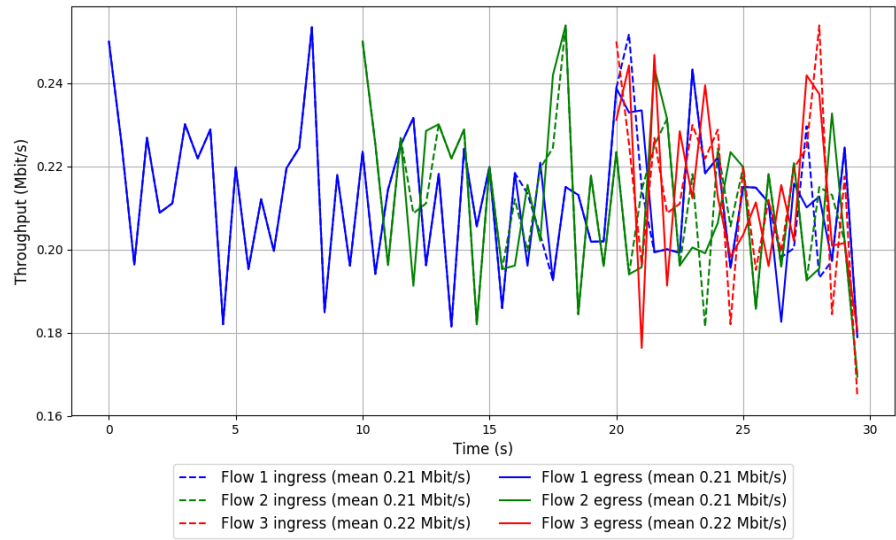


Run 7: Statistics of SReAM

Start at: 2018-02-16 17:04:24
End at: 2018-02-16 17:04:54
Local clock offset: 0.955 ms
Remote clock offset: -2.421 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 9.941 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.935 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.135 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

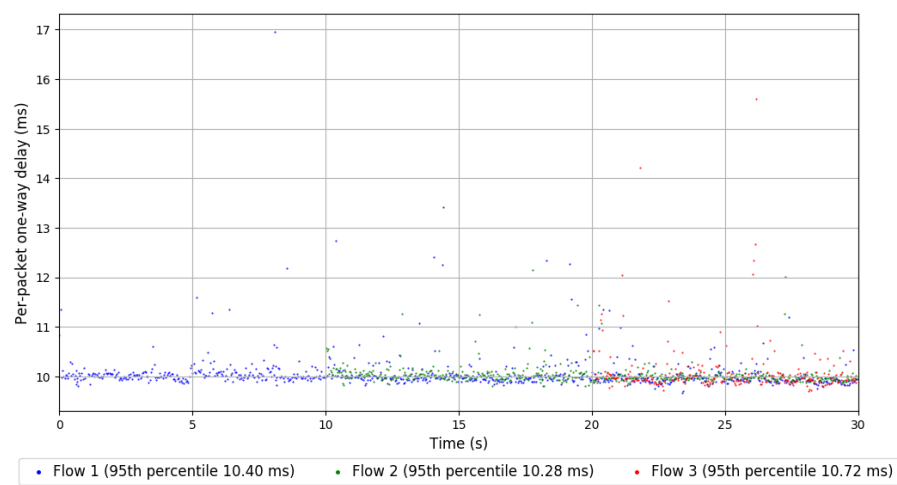
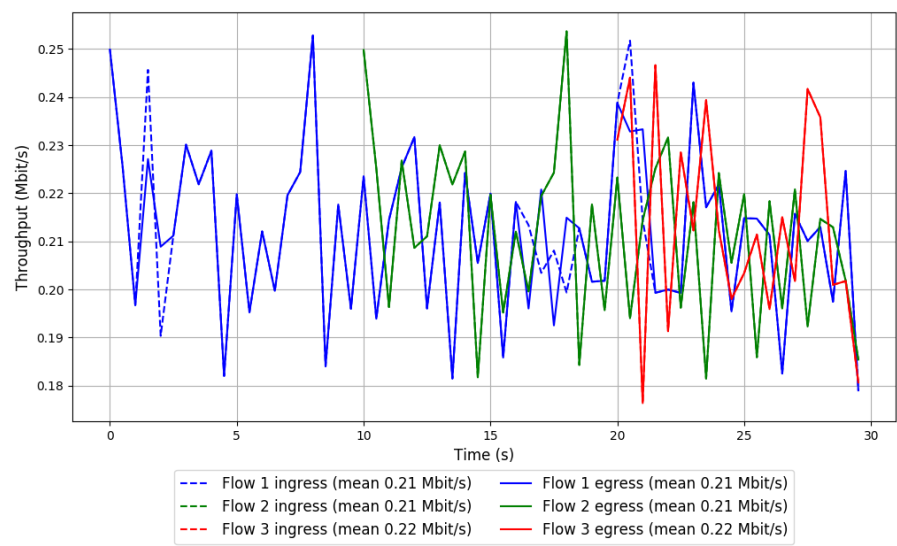


Run 8: Statistics of SReAM

Start at: 2018-02-16 17:26:44
End at: 2018-02-16 17:27:14
Local clock offset: -3.798 ms
Remote clock offset: -2.714 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.719 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

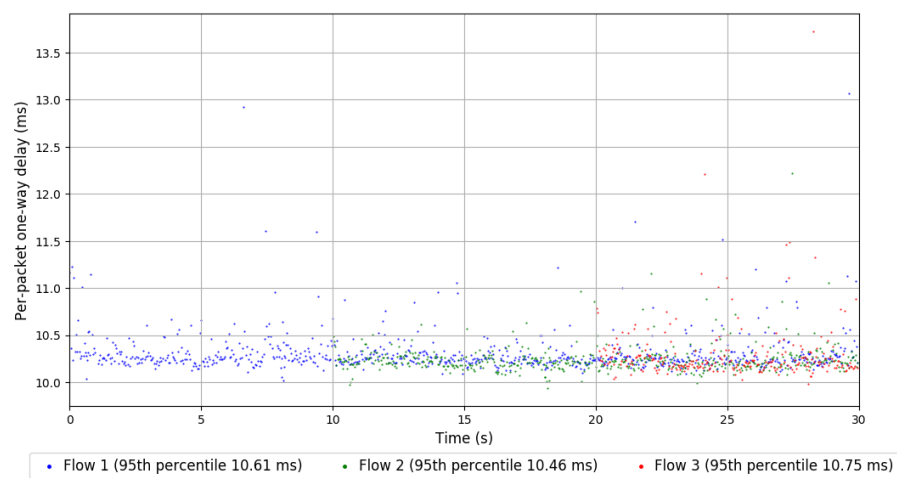
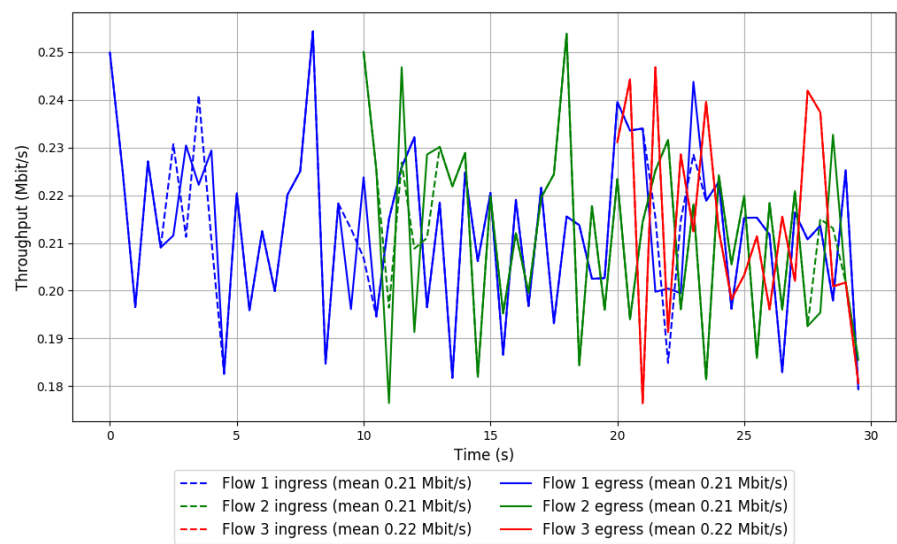


Run 9: Statistics of SReAM

Start at: 2018-02-16 17:48:58
End at: 2018-02-16 17:49:28
Local clock offset: -3.265 ms
Remote clock offset: -0.637 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.609 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.458 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.754 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

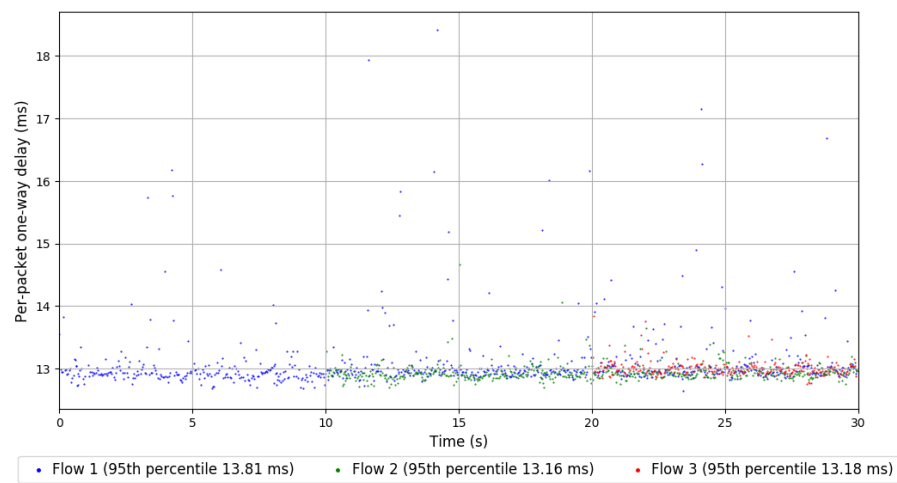
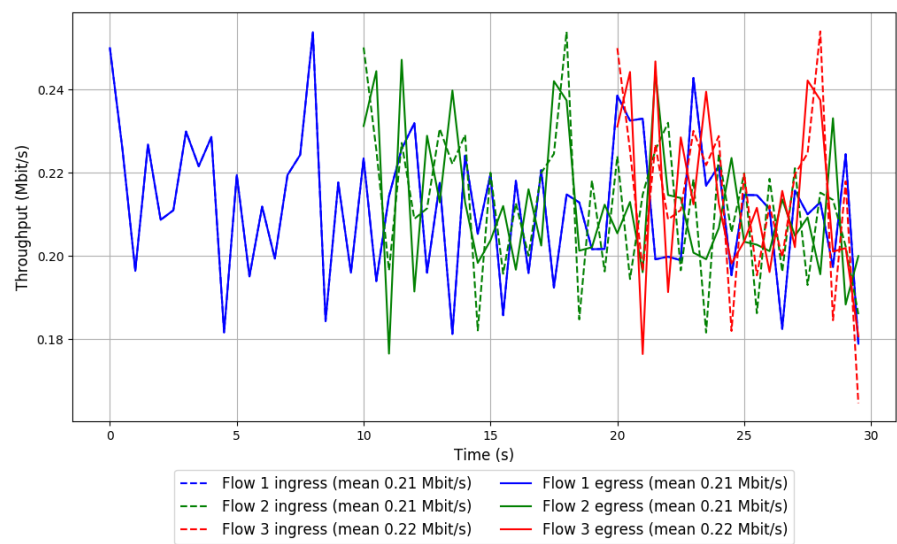


Run 10: Statistics of SReAM

Start at: 2018-02-16 18:11:17
End at: 2018-02-16 18:11:47
Local clock offset: -6.654 ms
Remote clock offset: -3.667 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 13.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.812 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.159 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.175 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-02-16 14:42:02

End at: 2018-02-16 14:42:32

Local clock offset: -5.578 ms

Remote clock offset: 9.177 ms

Below is generated by plot.py at 2018-02-16 19:03:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 15.212 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 14.891 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 15.245 ms

Loss rate: 0.00%

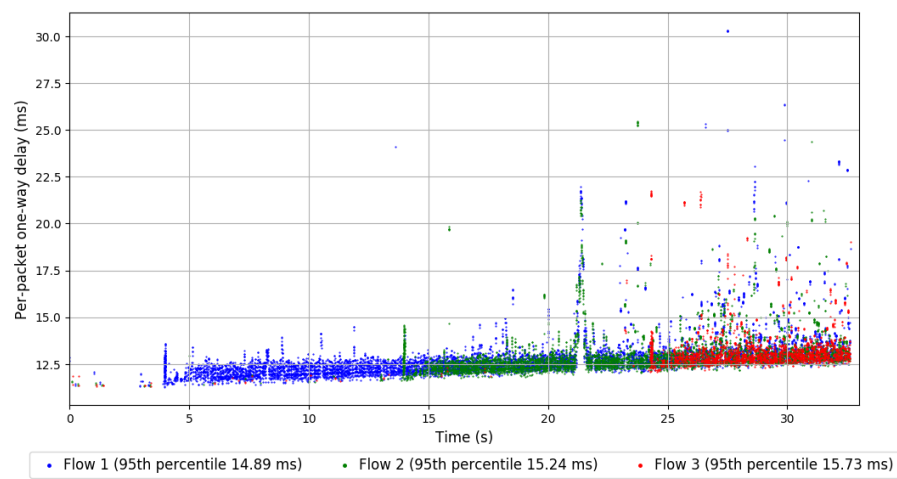
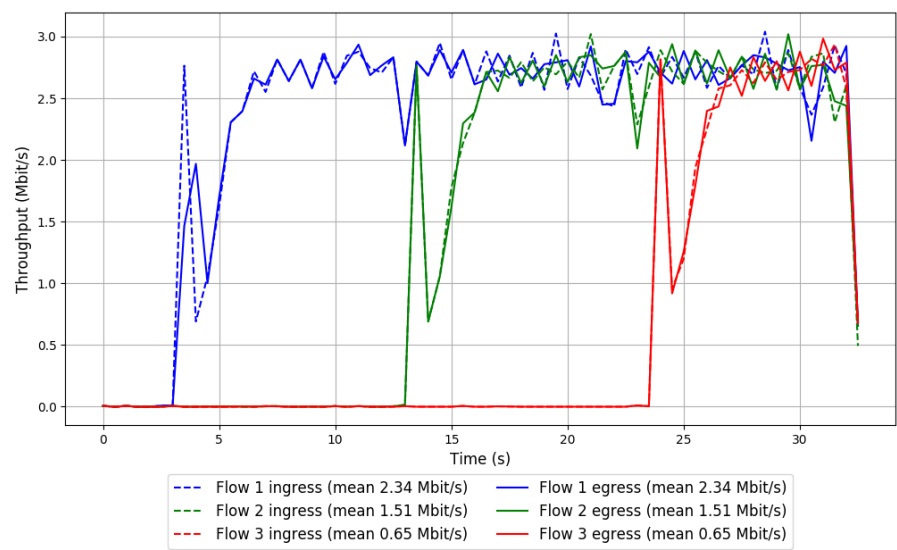
-- Flow 3:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 15.735 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

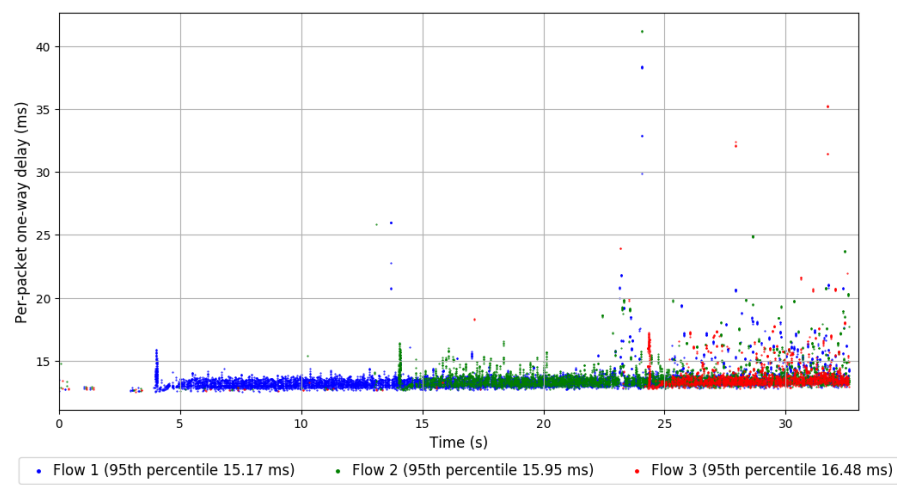
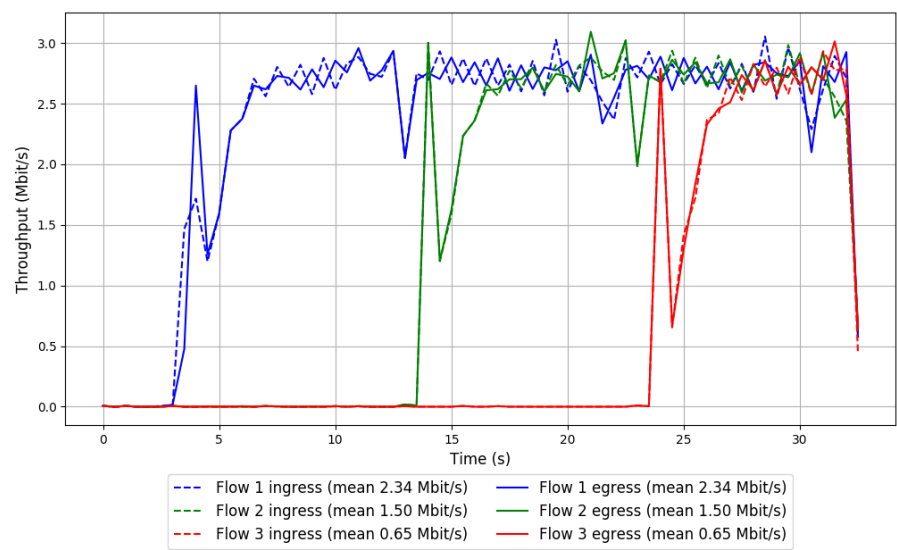


Run 2: Statistics of WebRTC media

Start at: 2018-02-16 15:04:45
End at: 2018-02-16 15:05:15
Local clock offset: -6.42 ms
Remote clock offset: -16.888 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 15.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 15.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 15.947 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 16.485 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

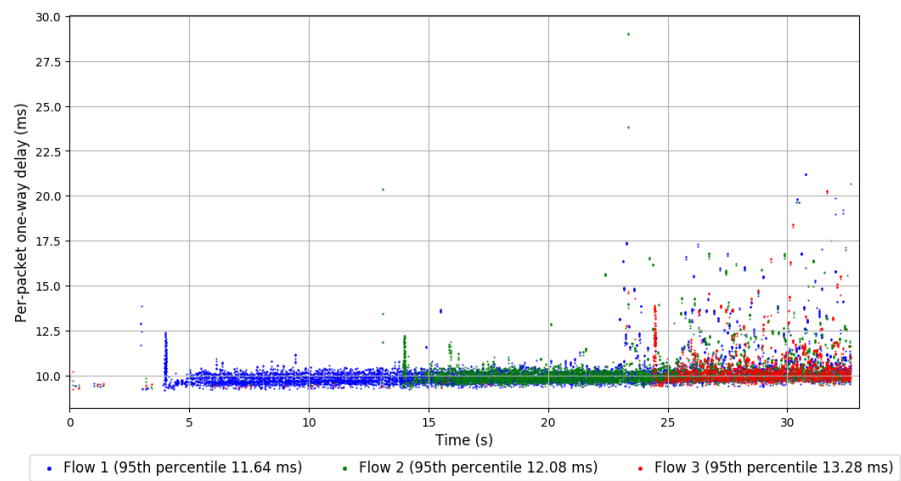
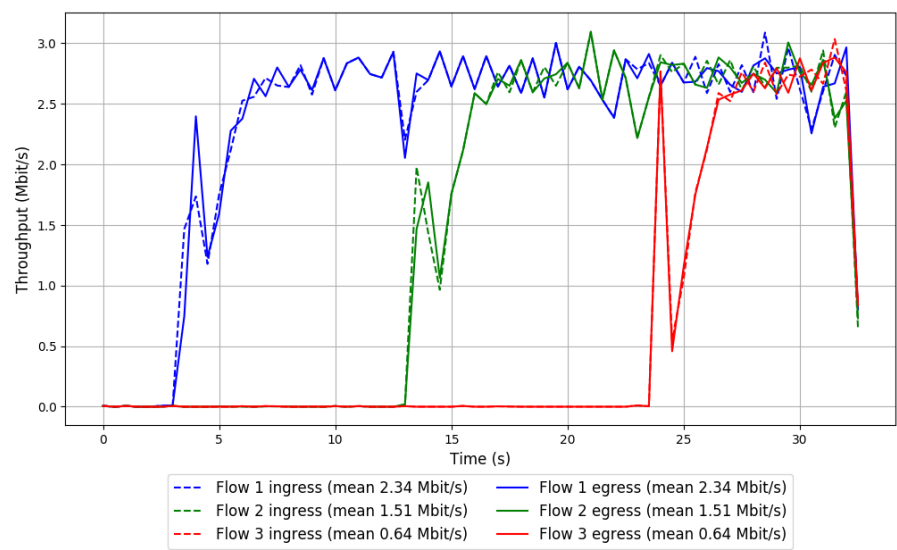


Run 3: Statistics of WebRTC media

Start at: 2018-02-16 15:27:50
End at: 2018-02-16 15:28:20
Local clock offset: -0.829 ms
Remote clock offset: -8.879 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 12.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 11.645 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 12.082 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 13.284 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

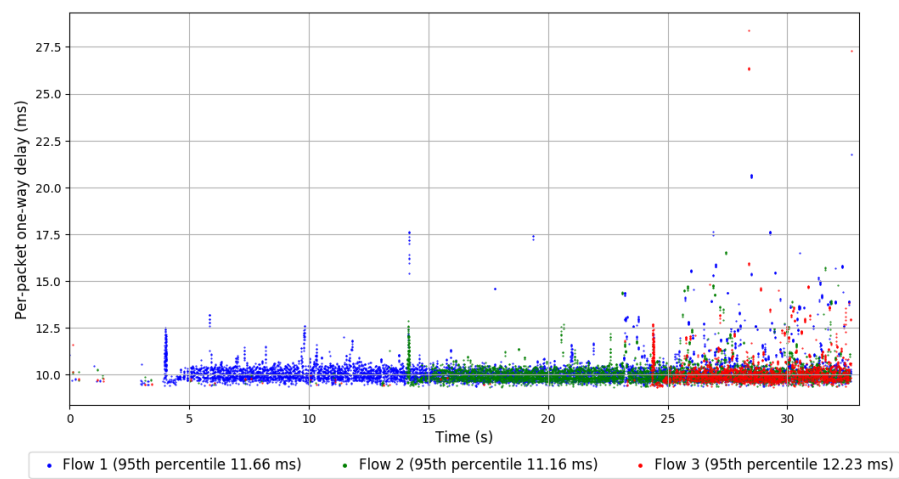
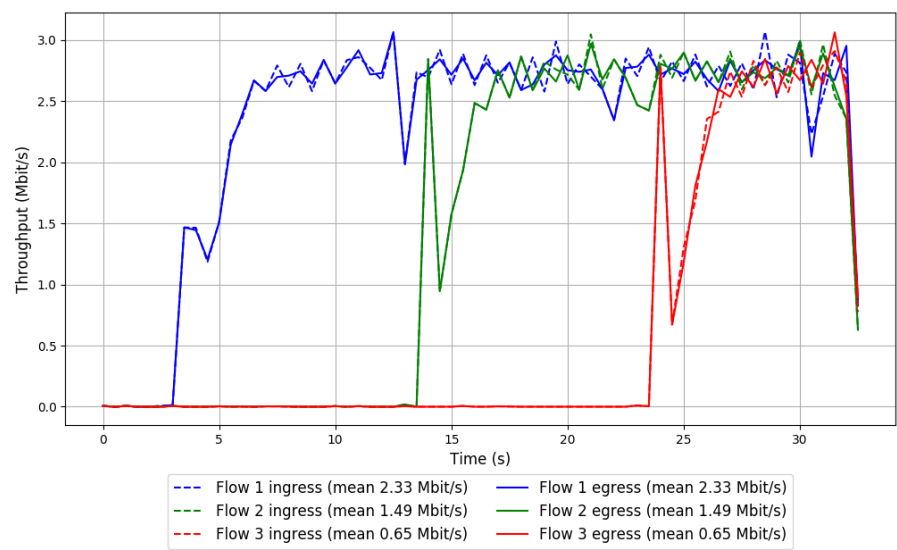


Run 4: Statistics of WebRTC media

Start at: 2018-02-16 15:50:48
End at: 2018-02-16 15:51:18
Local clock offset: 4.893 ms
Remote clock offset: -6.294 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 11.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 11.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 11.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 12.226 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

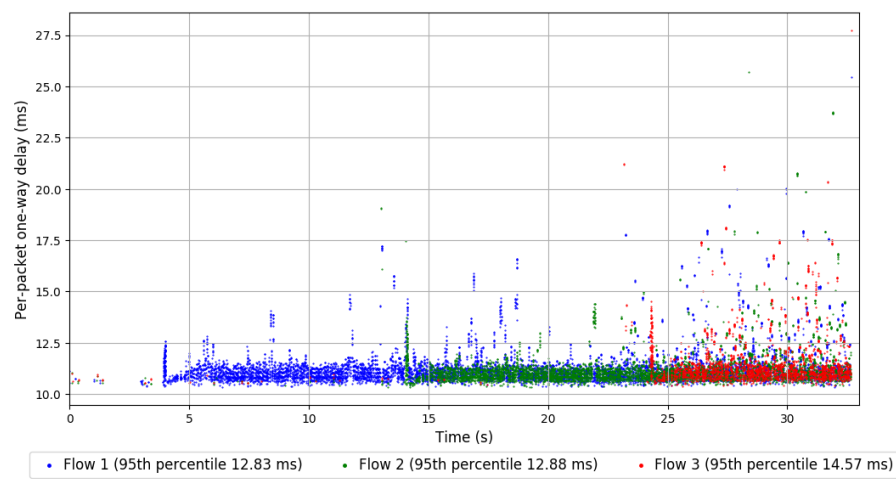
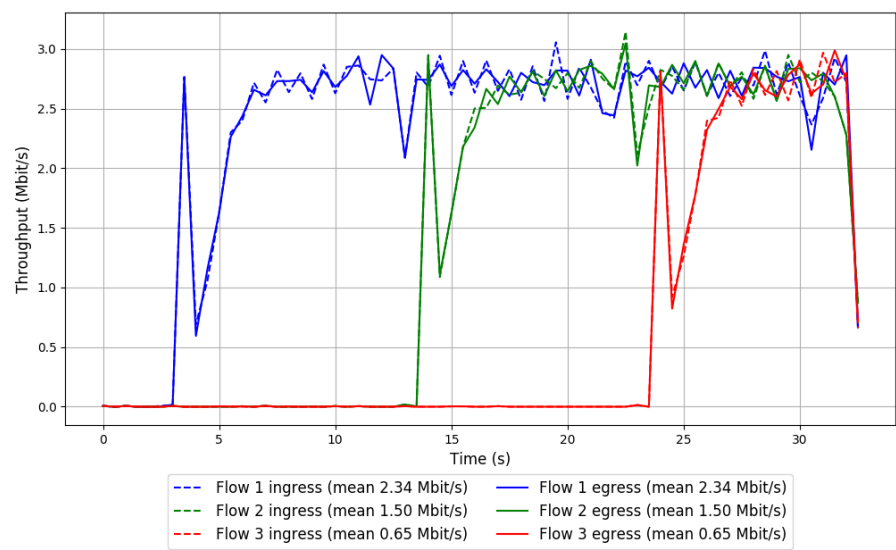


Run 5: Statistics of WebRTC media

Start at: 2018-02-16 16:15:48
End at: 2018-02-16 16:16:18
Local clock offset: -2.646 ms
Remote clock offset: -5.311 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 13.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 12.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 12.885 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 14.573 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

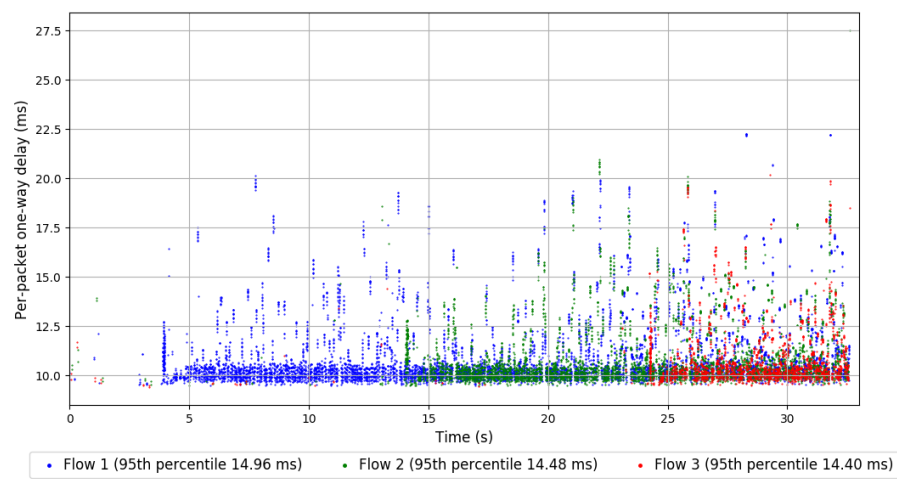
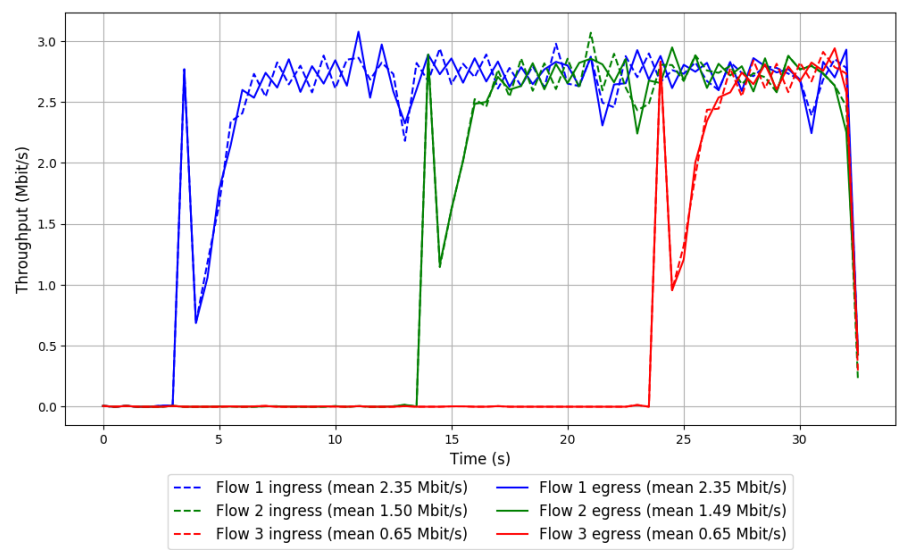


Run 6: Statistics of WebRTC media

Start at: 2018-02-16 16:38:50
End at: 2018-02-16 16:39:20
Local clock offset: -1.166 ms
Remote clock offset: -3.364 ms

```
# Below is generated by plot.py at 2018-02-16 19:03:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 14.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 14.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 14.481 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 14.402 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

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

End at: 2018-02-16 17:02:22

Local clock offset: 0.139 ms

Remote clock offset: -3.25 ms

Below is generated by plot.py at 2018-02-16 19:03:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 11.514 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 11.409 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 11.186 ms

Loss rate: 0.02%

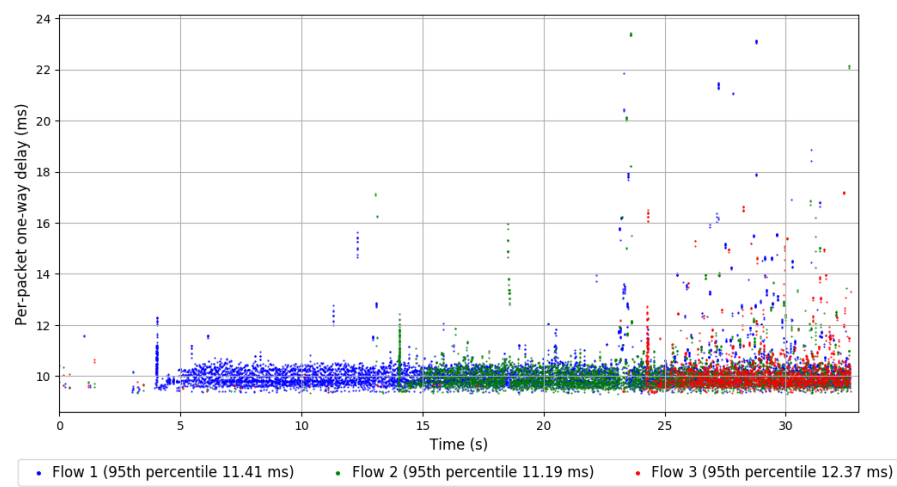
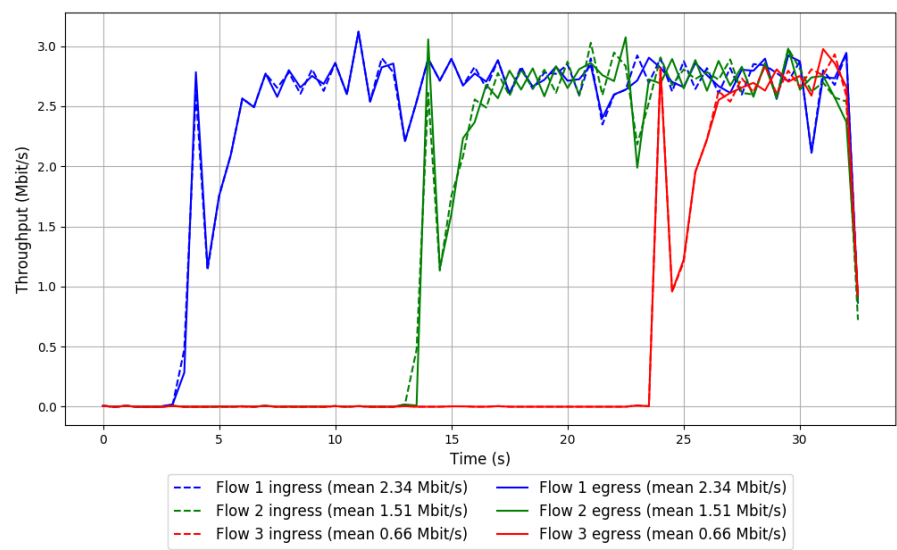
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 12.374 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

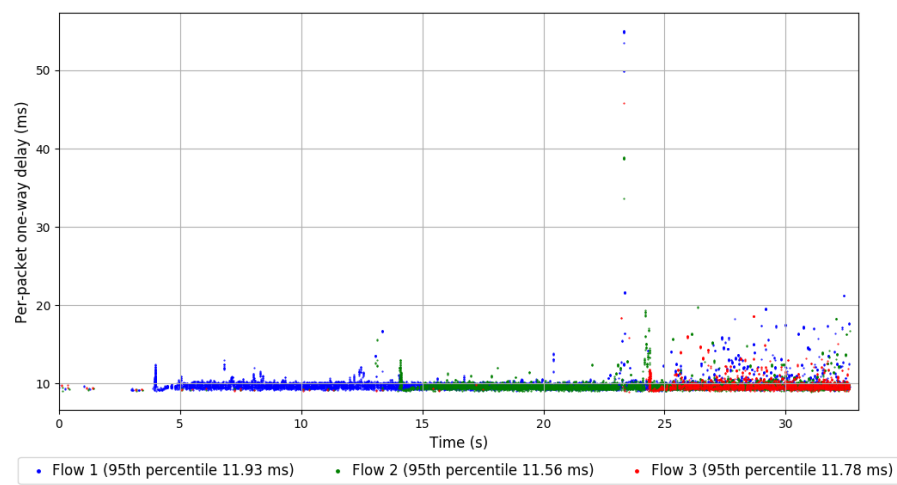
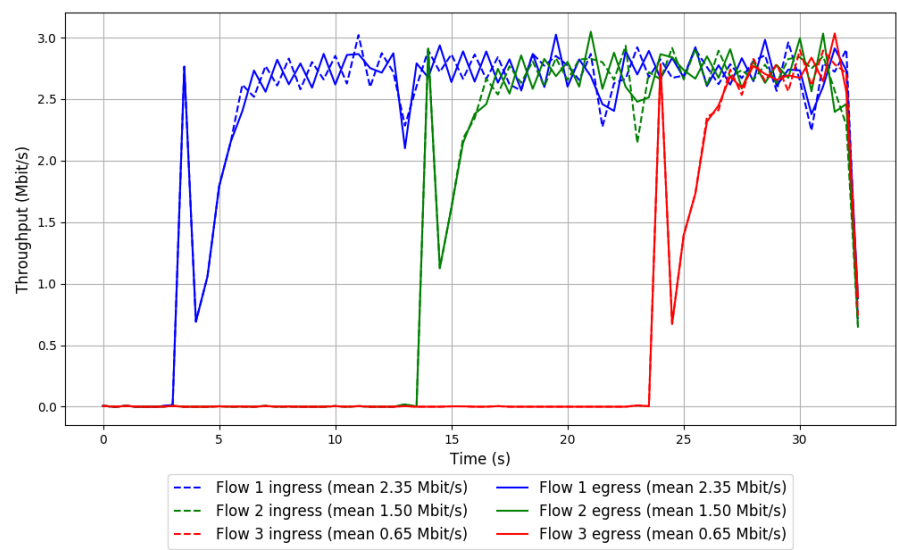


Run 8: Statistics of WebRTC media

Start at: 2018-02-16 17:24:24
End at: 2018-02-16 17:24:54
Local clock offset: -3.395 ms
Remote clock offset: -3.295 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 11.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 11.934 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 11.564 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 11.778 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

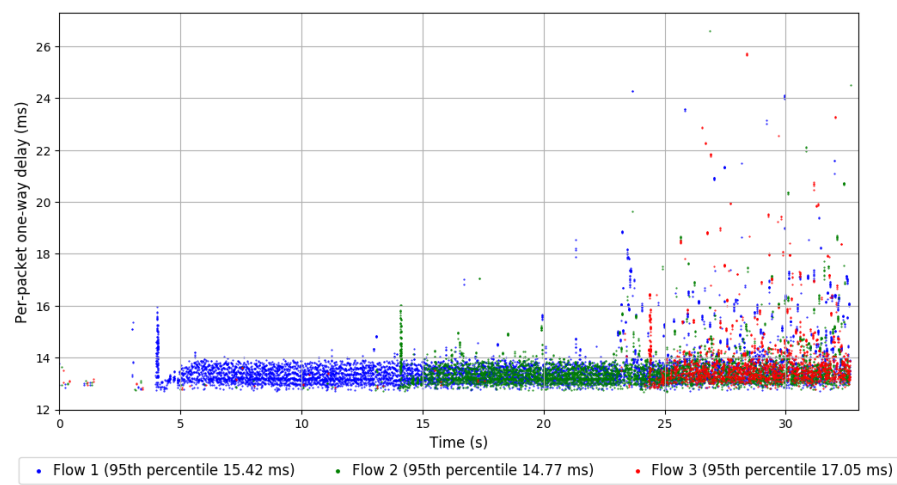
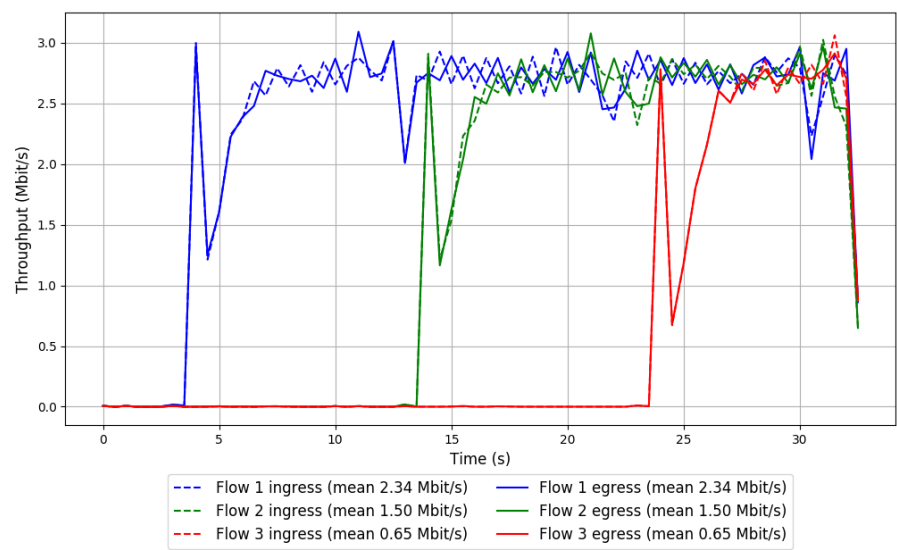


Run 9: Statistics of WebRTC media

Start at: 2018-02-16 17:46:37
End at: 2018-02-16 17:47:07
Local clock offset: -6.687 ms
Remote clock offset: -1.209 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 15.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 15.421 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 14.773 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 17.052 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

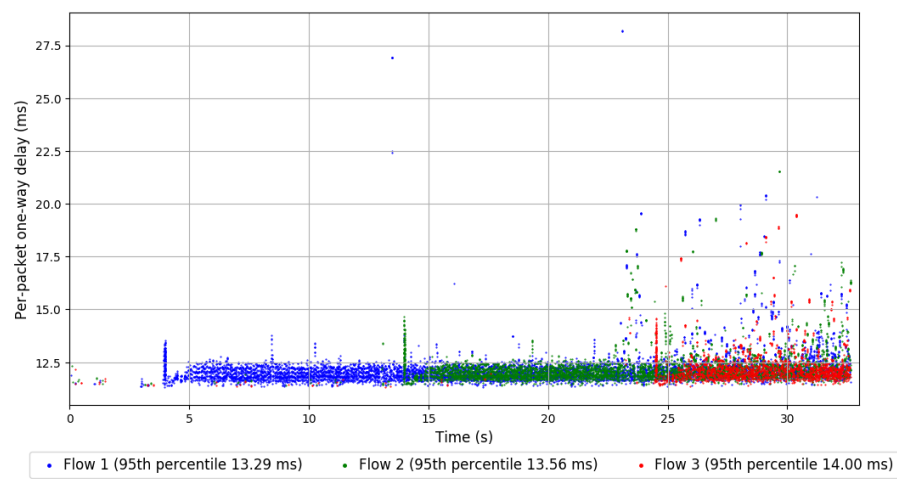
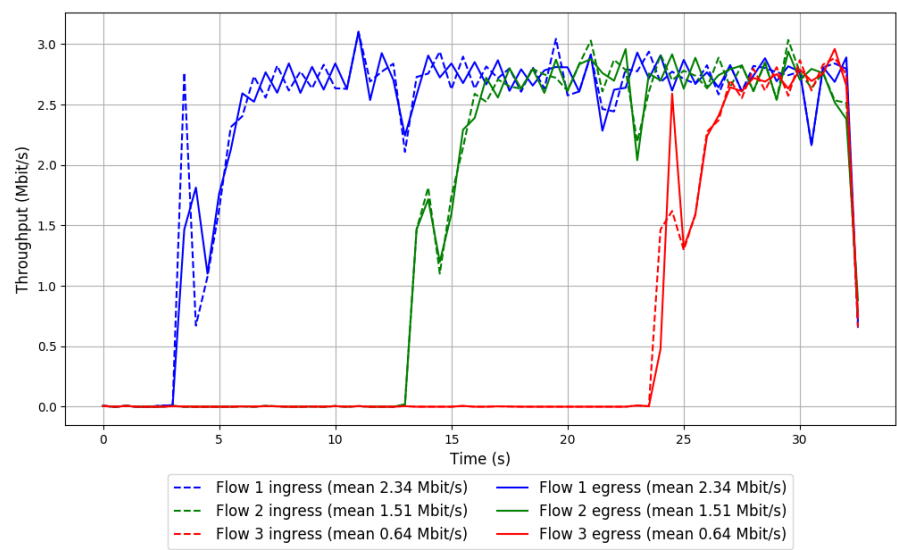


Run 10: Statistics of WebRTC media

Start at: 2018-02-16 18:08:53
End at: 2018-02-16 18:09:23
Local clock offset: -6.31 ms
Remote clock offset: -4.127 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 13.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 13.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 13.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 13.997 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

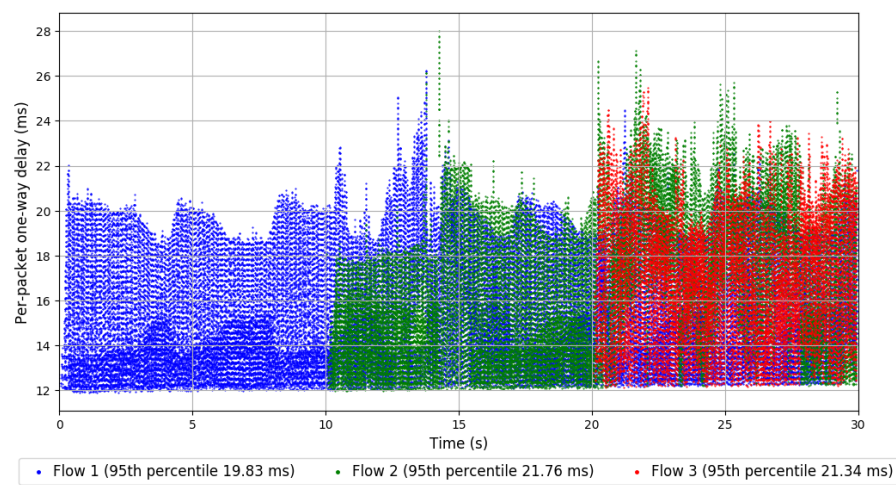
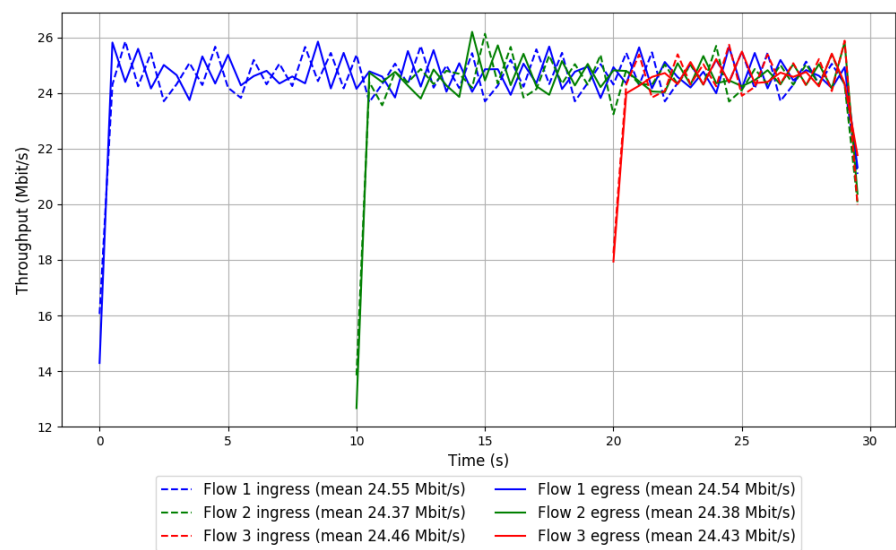


Run 1: Statistics of Sprout

Start at: 2018-02-16 14:54:34
End at: 2018-02-16 14:55:04
Local clock offset: -5.838 ms
Remote clock offset: -9.813 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 20.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 19.833 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 21.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 21.337 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

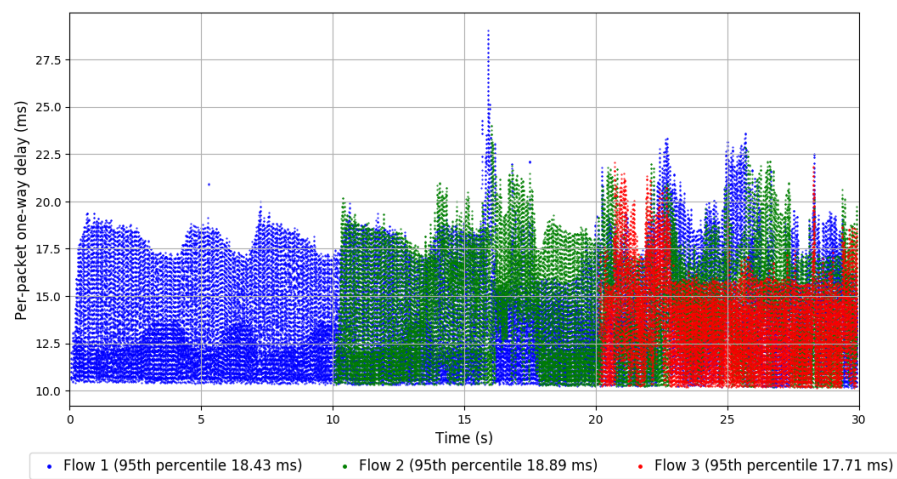
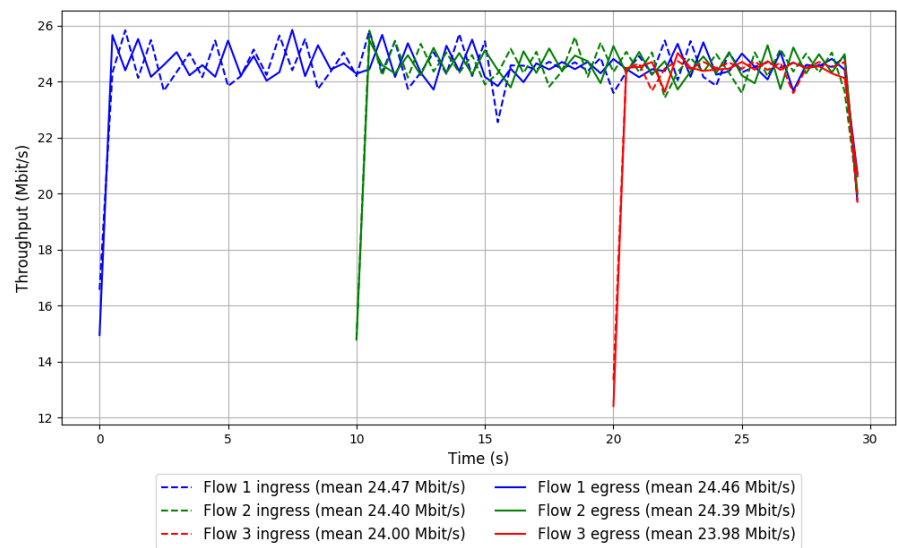


Run 2: Statistics of Sprout

Start at: 2018-02-16 15:17:31
End at: 2018-02-16 15:18:01
Local clock offset: -3.578 ms
Remote clock offset: -10.358 ms

```
# Below is generated by plot.py at 2018-02-16 19:03:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 18.507 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 18.425 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 18.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 17.706 ms
Loss rate: 0.00%
```


Run 2: Report of Sprout — Data Link

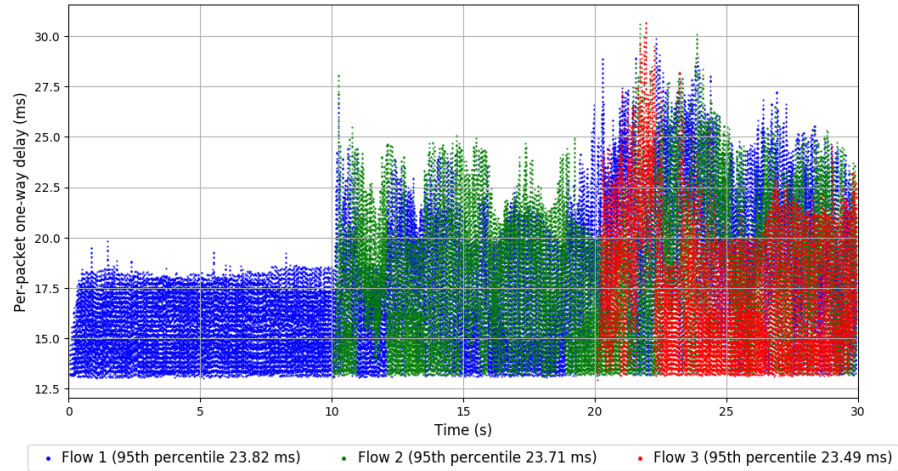
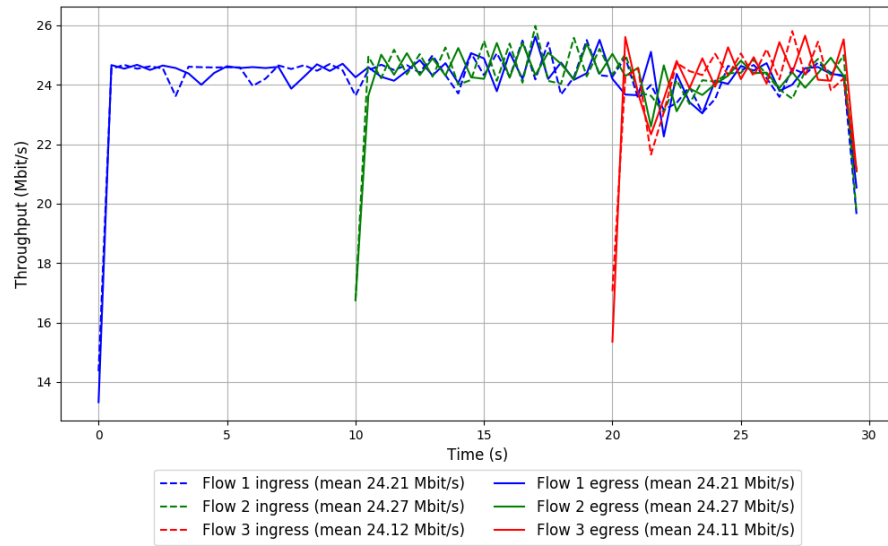


Run 3: Statistics of Sprout

Start at: 2018-02-16 15:40:28
End at: 2018-02-16 15:40:58
Local clock offset: -0.049 ms
Remote clock offset: -9.506 ms

```
# Below is generated by plot.py at 2018-02-16 19:03:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 23.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 23.815 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 23.707 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 23.489 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

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

End at: 2018-02-16 16:04:19

Local clock offset: 2.013 ms

Remote clock offset: -4.79 ms

Below is generated by plot.py at 2018-02-16 19:03:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.94 Mbit/s

95th percentile per-packet one-way delay: 20.049 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 18.760 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 20.782 ms

Loss rate: 0.00%

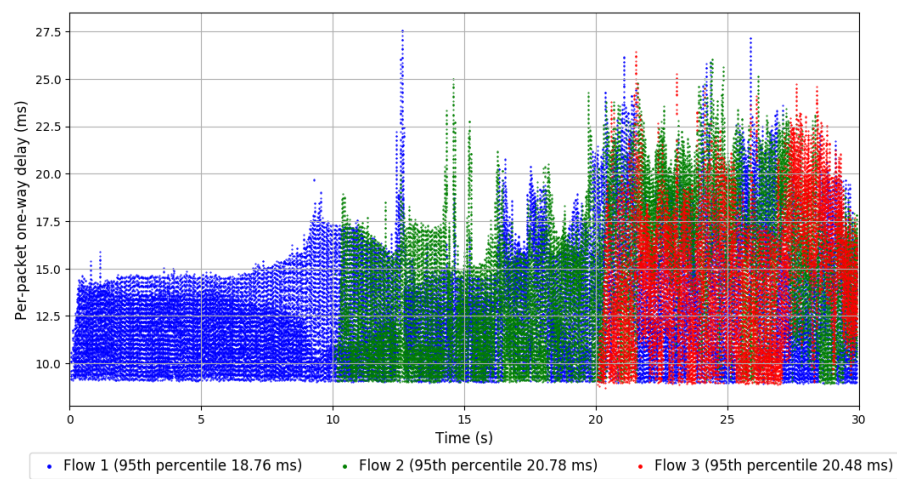
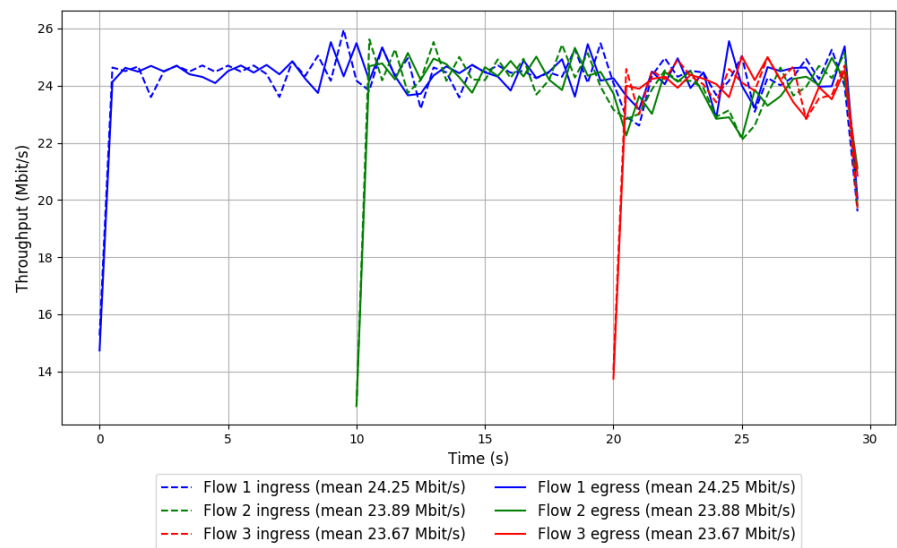
-- Flow 3:

Average throughput: 23.67 Mbit/s

95th percentile per-packet one-way delay: 20.479 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

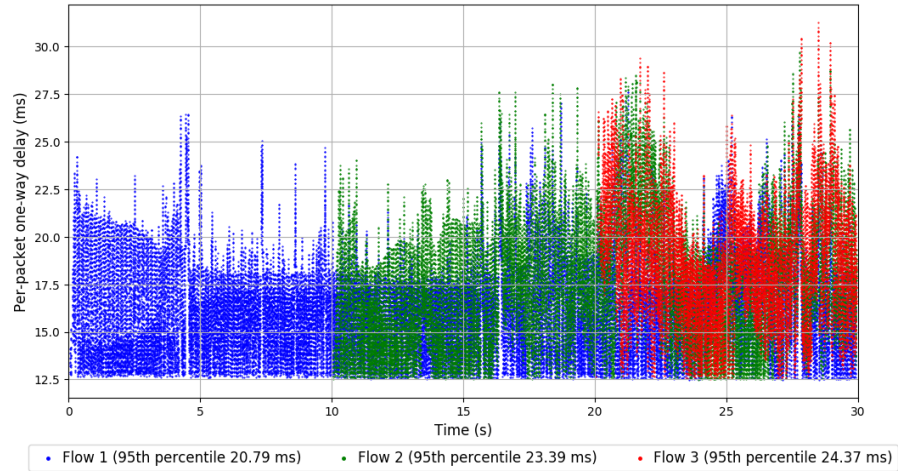
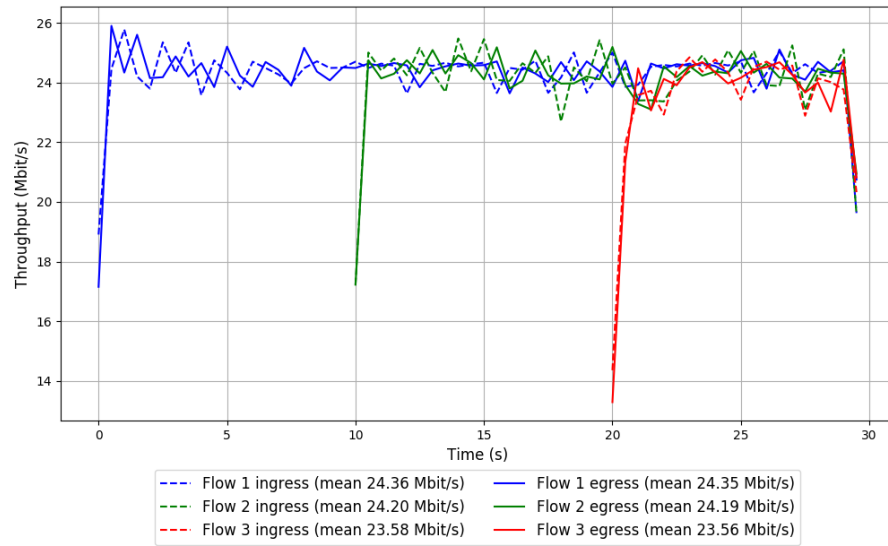


Run 5: Statistics of Sprout

Start at: 2018-02-16 16:28:39
End at: 2018-02-16 16:29:09
Local clock offset: -6.846 ms
Remote clock offset: -4.003 ms

```
# Below is generated by plot.py at 2018-02-16 19:03:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 22.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 20.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 23.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 24.366 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

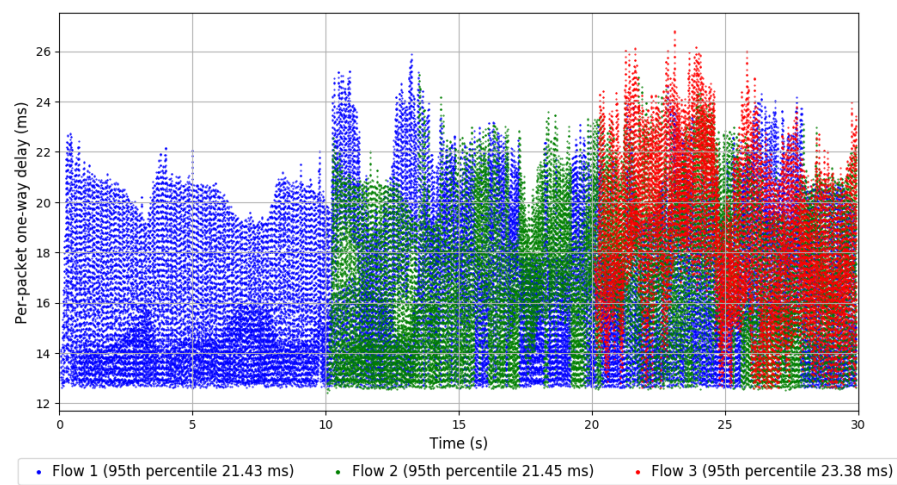
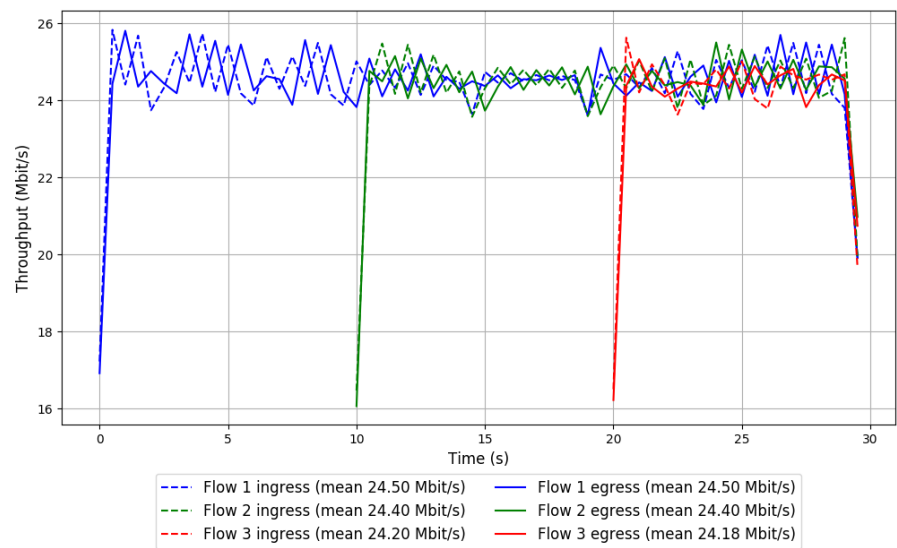


Run 6: Statistics of Sprout

Start at: 2018-02-16 16:51:39
End at: 2018-02-16 16:52:09
Local clock offset: -2.461 ms
Remote clock offset: -3.077 ms

Below is generated by plot.py at 2018-02-16 19:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 21.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 21.428 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 21.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 23.380 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

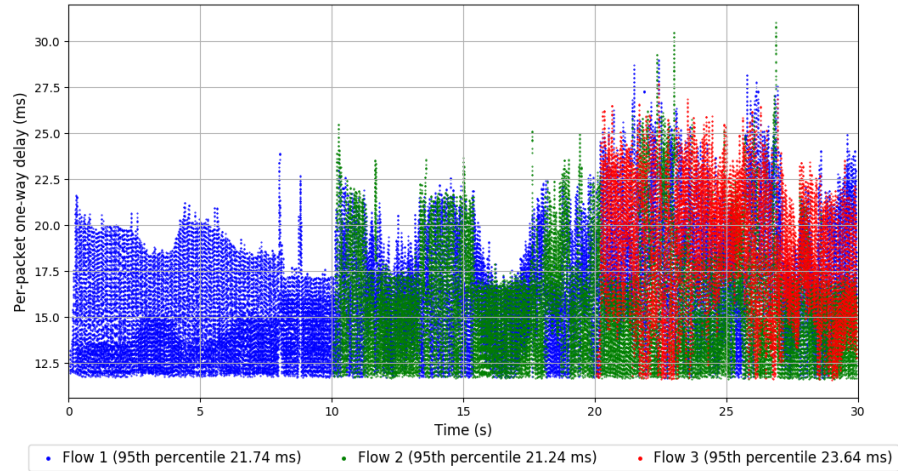
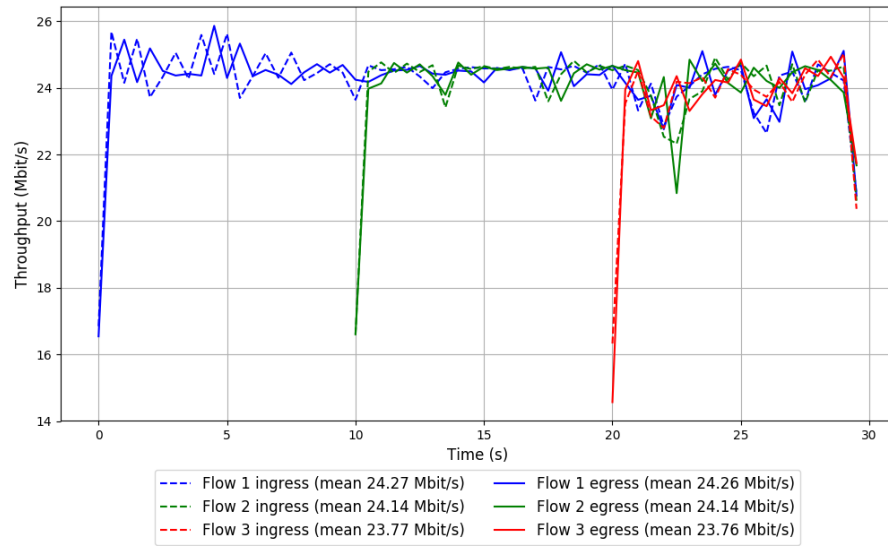


Run 7: Statistics of Sprout

Start at: 2018-02-16 17:14:27
End at: 2018-02-16 17:14:57
Local clock offset: -4.922 ms
Remote clock offset: -3.521 ms

Below is generated by plot.py at 2018-02-16 19:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 22.340 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 21.739 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 21.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 23.638 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

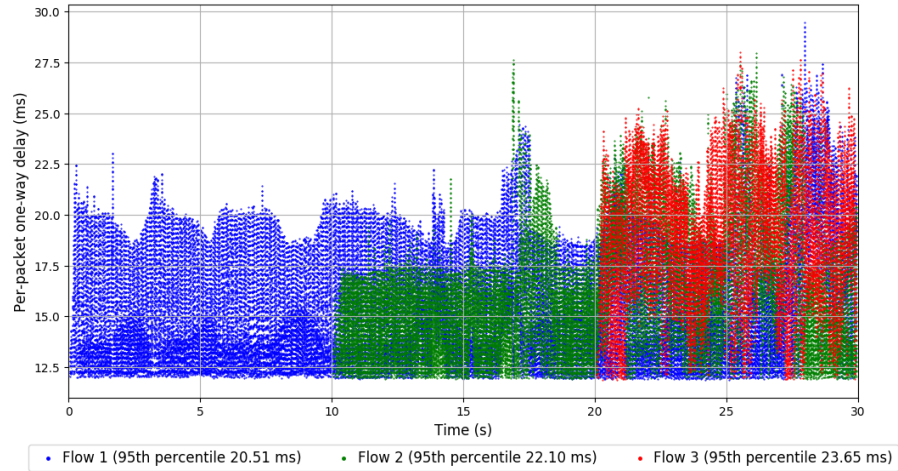
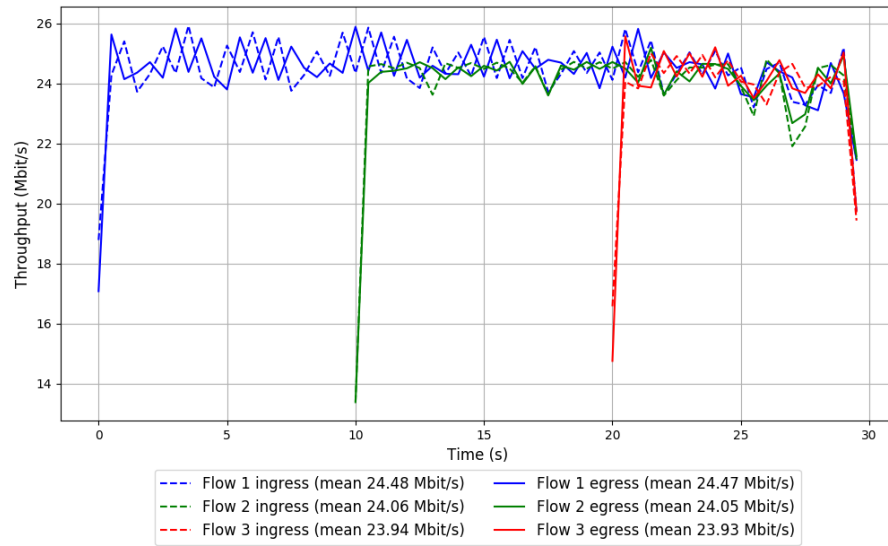


Run 8: Statistics of Sprout

Start at: 2018-02-16 17:36:41
End at: 2018-02-16 17:37:11
Local clock offset: -6.695 ms
Remote clock offset: -2.095 ms

```
# Below is generated by plot.py at 2018-02-16 19:04:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 22.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 20.513 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 22.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 23.649 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

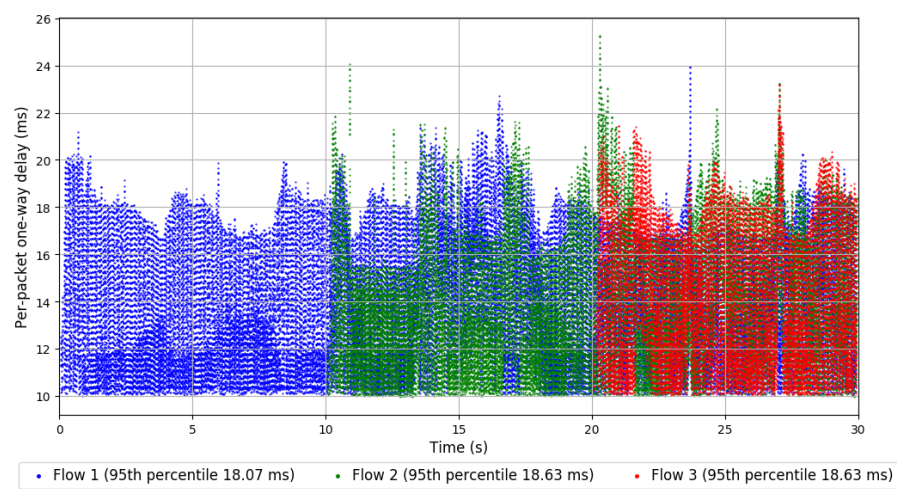
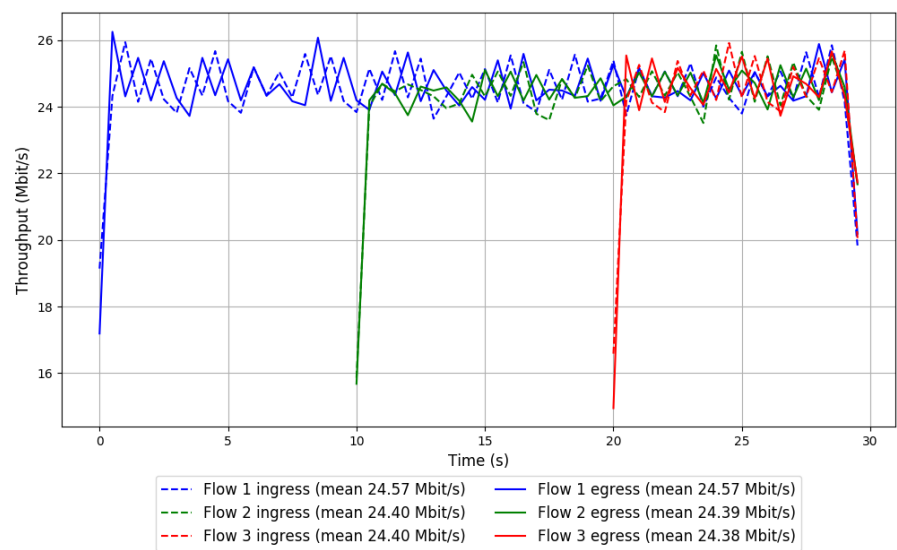


Run 9: Statistics of Sprout

Start at: 2018-02-16 17:58:57
End at: 2018-02-16 17:59:27
Local clock offset: -2.972 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-02-16 19:04:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 18.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 18.070 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 18.630 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 18.628 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

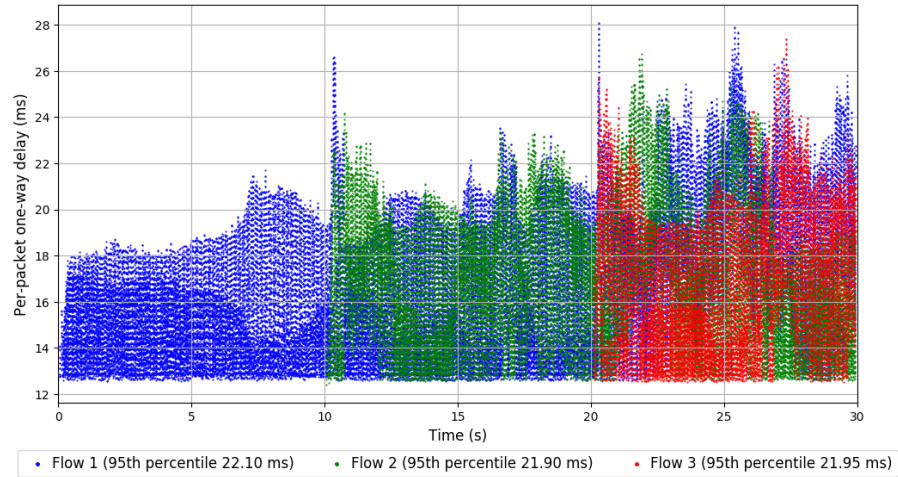
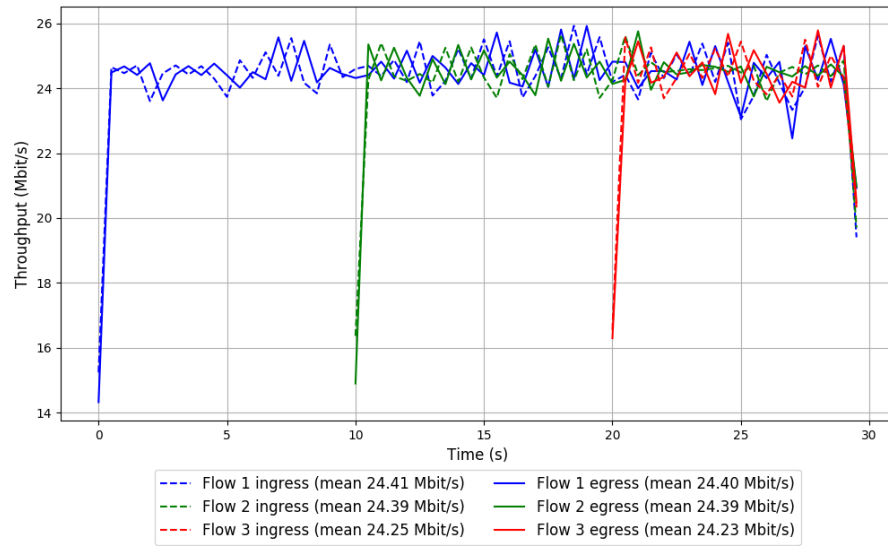


Run 10: Statistics of Sprout

Start at: 2018-02-16 18:21:01
End at: 2018-02-16 18:21:31
Local clock offset: -6.061 ms
Remote clock offset: -4.947 ms

Below is generated by plot.py at 2018-02-16 19:04:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 22.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 22.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 21.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 21.948 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

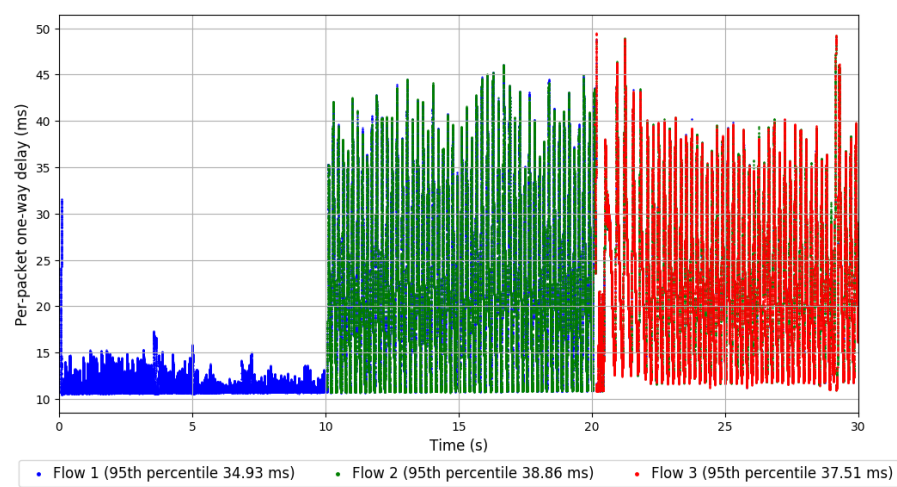
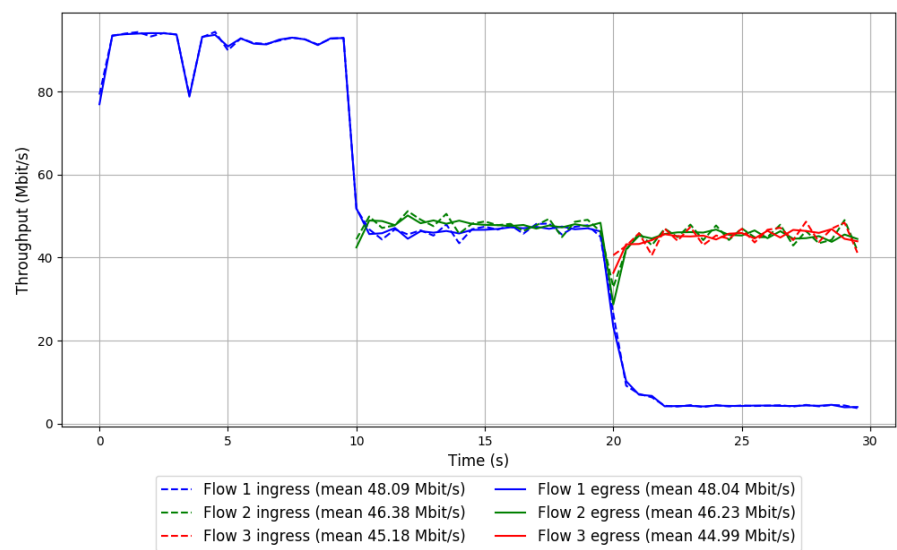


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 14:53:13
End at: 2018-02-16 14:53:43
Local clock offset: -2.322 ms
Remote clock offset: -6.432 ms

# Below is generated by plot.py at 2018-02-16 19:05:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 37.348 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 34.933 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 38.860 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 44.99 Mbit/s
95th percentile per-packet one-way delay: 37.512 ms
Loss rate: 0.48%
```

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

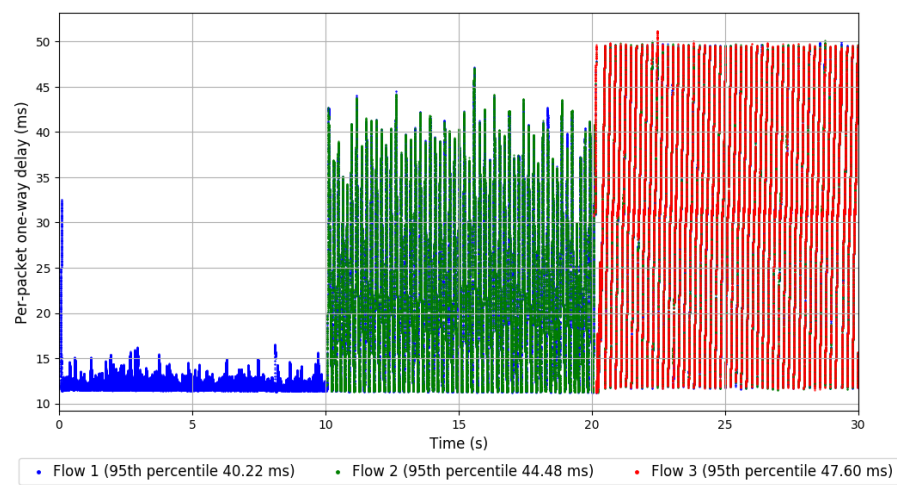
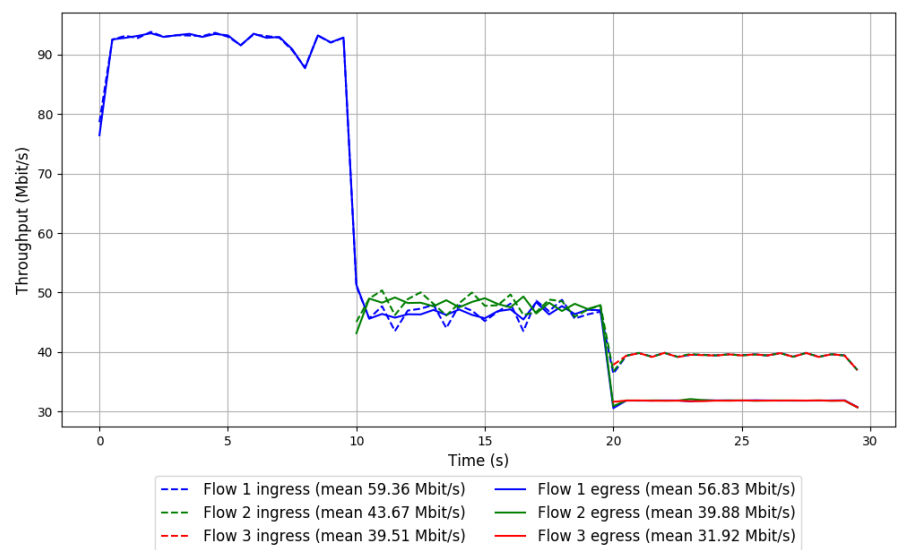


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 15:16:04
End at: 2018-02-16 15:16:34
Local clock offset: -5.919 ms
Remote clock offset: -12.64 ms

# Below is generated by plot.py at 2018-02-16 19:06:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 43.616 ms
Loss rate: 7.44%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 40.220 ms
Loss rate: 4.25%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 44.479 ms
Loss rate: 8.66%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 47.605 ms
Loss rate: 19.17%
```

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

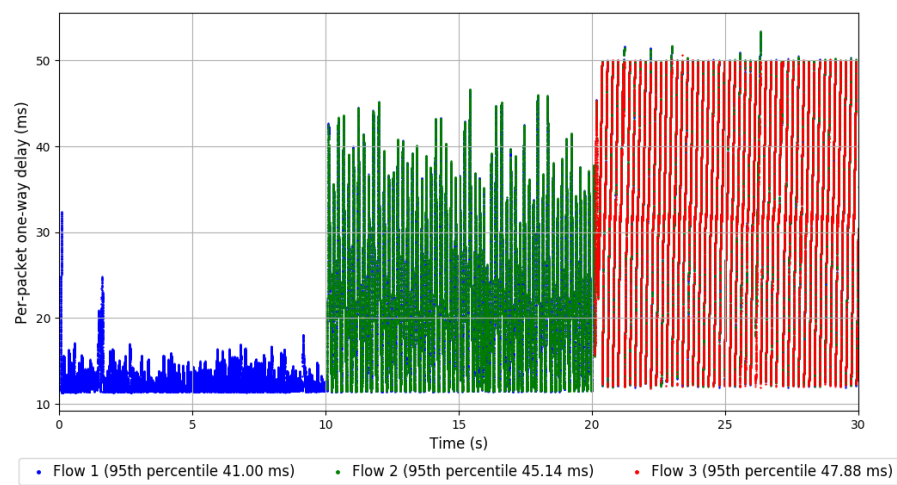
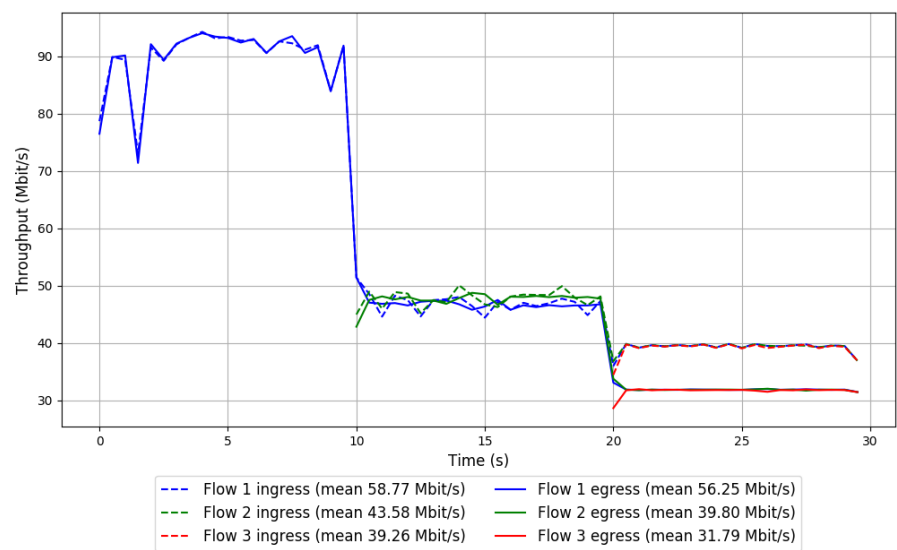


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 15:39:05
End at: 2018-02-16 15:39:35
Local clock offset: 0.841 ms
Remote clock offset: -9.868 ms

Below is generated by plot.py at 2018-02-16 19:06:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 44.348 ms
Loss rate: 7.41%
-- Flow 1:
Average throughput: 56.25 Mbit/s
95th percentile per-packet one-way delay: 40.997 ms
Loss rate: 4.24%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 45.141 ms
Loss rate: 8.58%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 47.876 ms
Loss rate: 19.07%

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

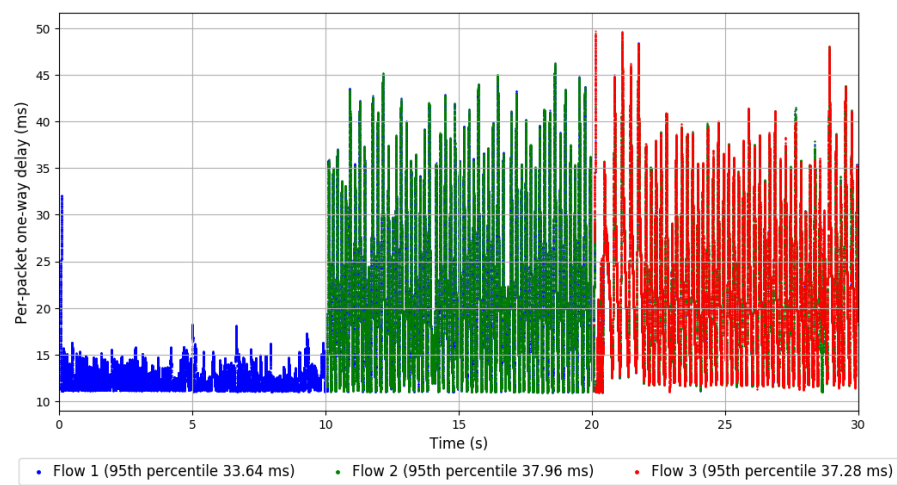
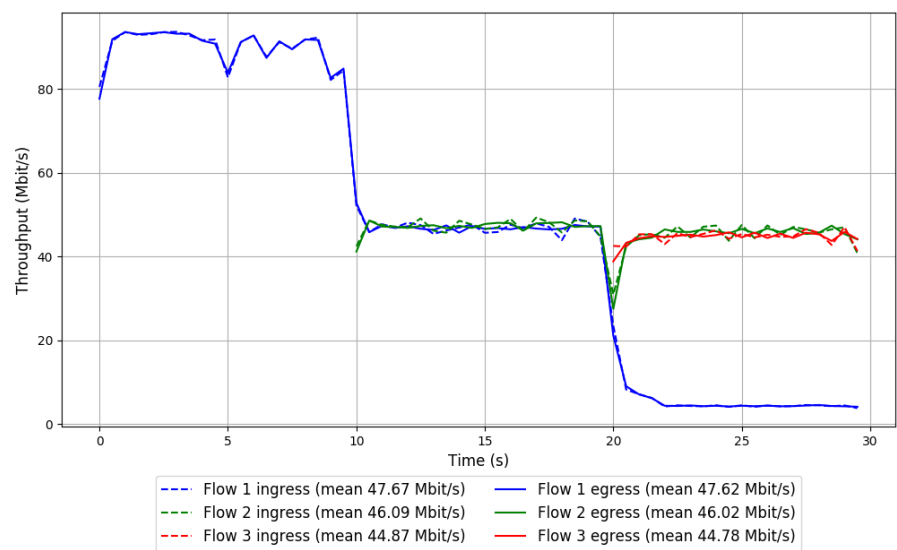


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 16:02:23
End at: 2018-02-16 16:02:53
Local clock offset: 0.966 ms
Remote clock offset: -4.402 ms

Below is generated by plot.py at 2018-02-16 19:06:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 36.235 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 33.641 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 37.960 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 44.78 Mbit/s
95th percentile per-packet one-way delay: 37.278 ms
Loss rate: 0.17%

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

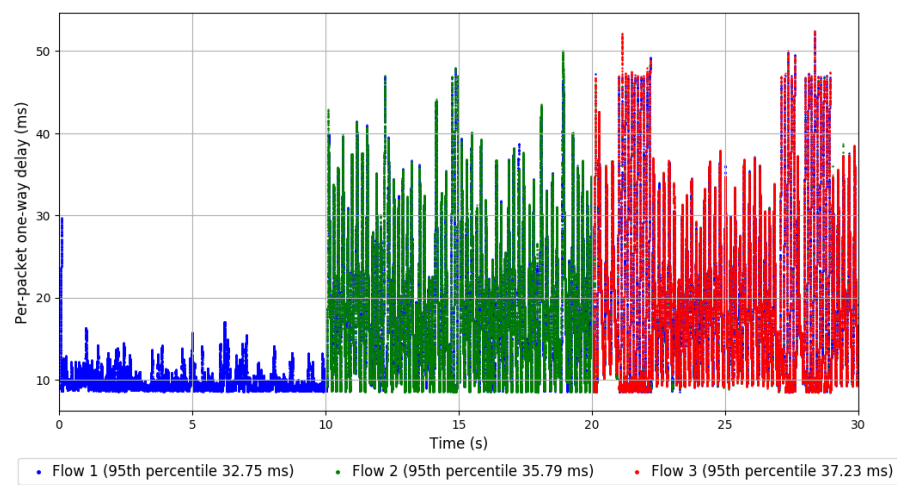
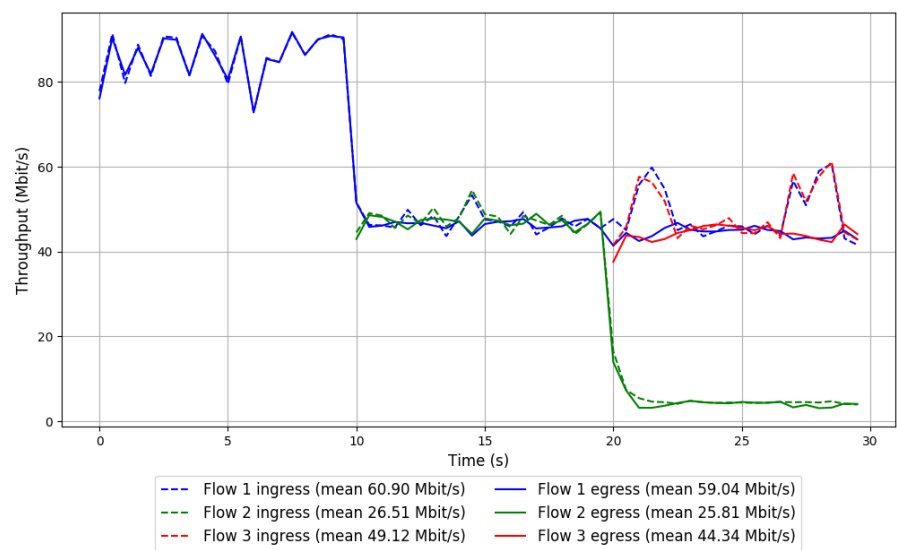


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 16:27:18
End at: 2018-02-16 16:27:48
Local clock offset: -2.634 ms
Remote clock offset: -4.194 ms

Below is generated by plot.py at 2018-02-16 19:06:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 34.492 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 32.746 ms
Loss rate: 3.03%
-- Flow 2:
Average throughput: 25.81 Mbit/s
95th percentile per-packet one-way delay: 35.786 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 37.227 ms
Loss rate: 9.70%

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

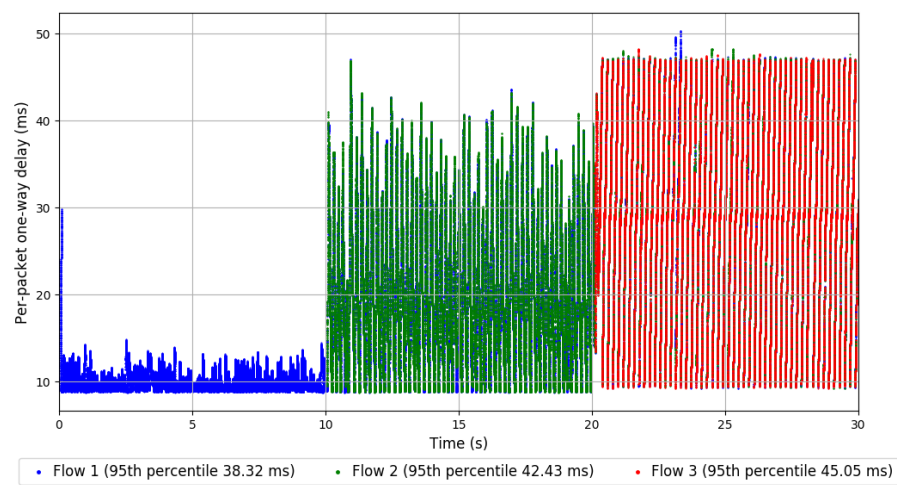
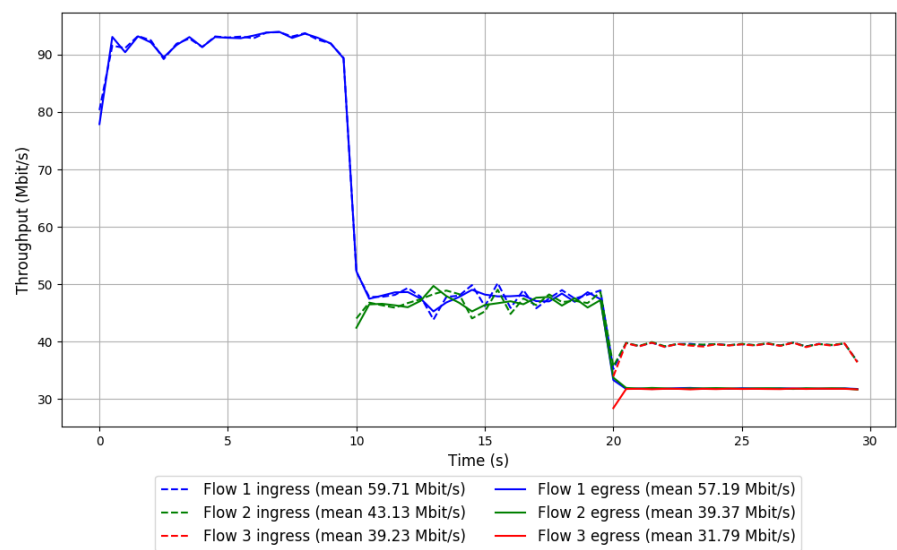


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 16:50:10
End at: 2018-02-16 16:50:40
Local clock offset: 0.492 ms
Remote clock offset: -4.008 ms

Below is generated by plot.py at 2018-02-16 19:06:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 41.481 ms
Loss rate: 7.32%
-- Flow 1:
Average throughput: 57.19 Mbit/s
95th percentile per-packet one-way delay: 38.319 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 39.37 Mbit/s
95th percentile per-packet one-way delay: 42.429 ms
Loss rate: 8.61%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 45.048 ms
Loss rate: 18.99%

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

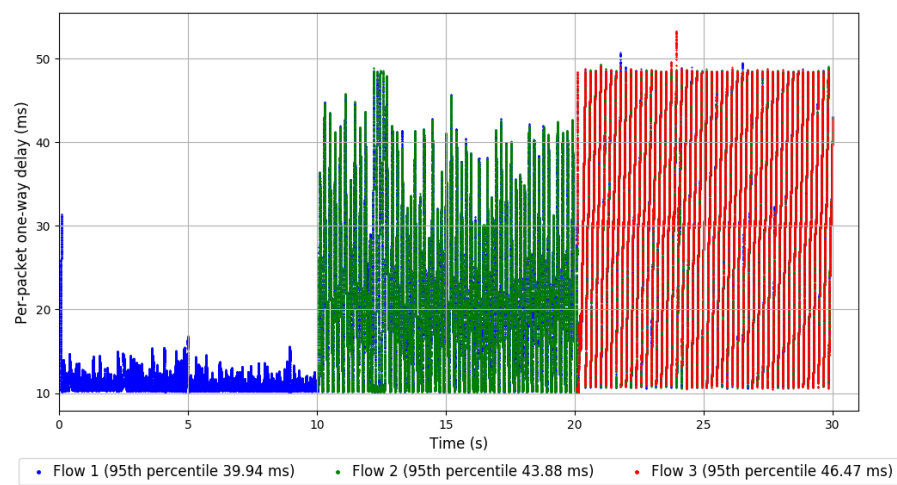
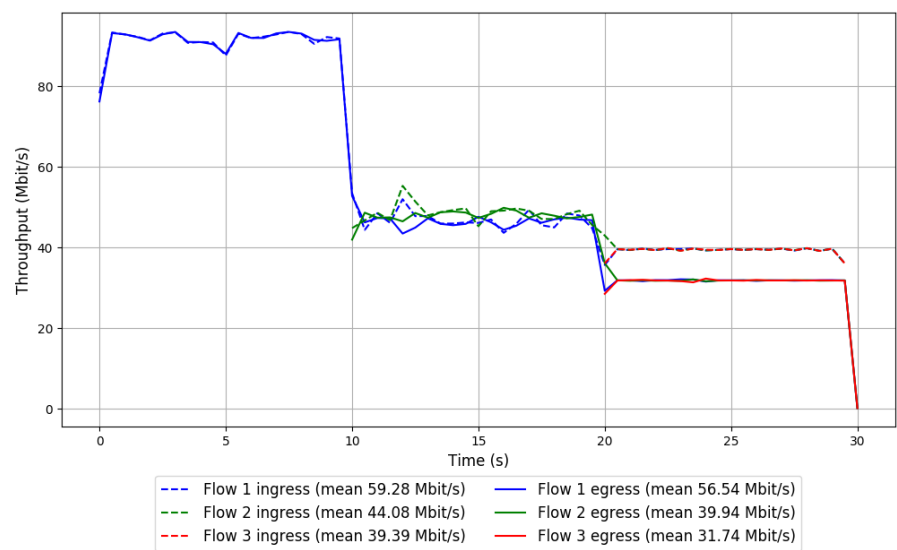


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 17:13:06
End at: 2018-02-16 17:13:36
Local clock offset: -2.563 ms
Remote clock offset: -3.021 ms

Below is generated by plot.py at 2018-02-16 19:06:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 42.973 ms
Loss rate: 7.77%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 39.939 ms
Loss rate: 4.54%
-- Flow 2:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 43.882 ms
Loss rate: 9.24%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 46.469 ms
Loss rate: 19.16%

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

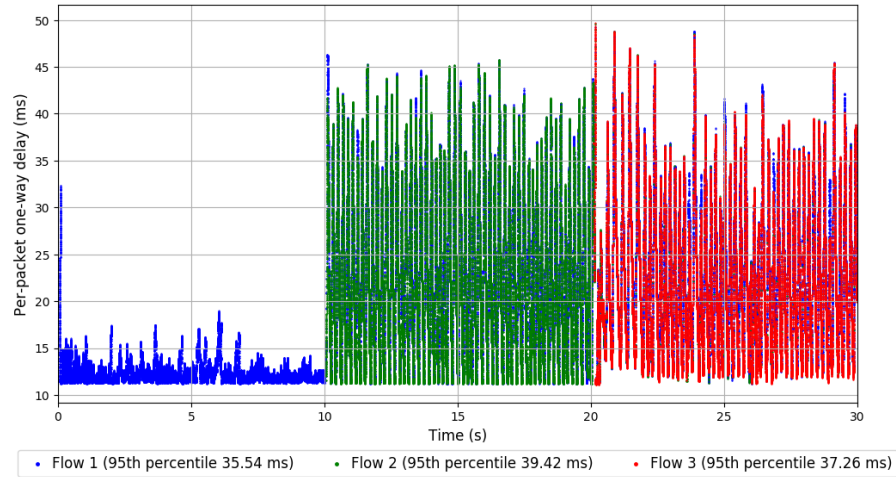
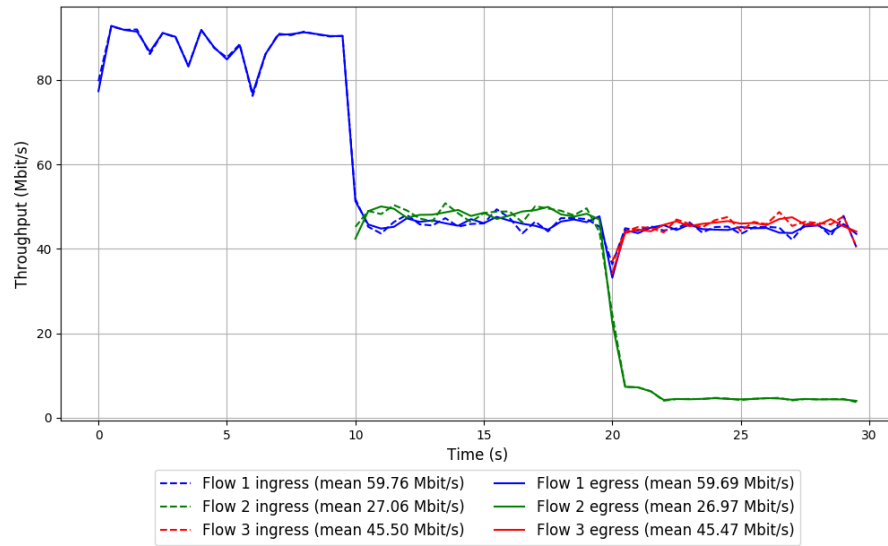


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 17:35:24
End at: 2018-02-16 17:35:54
Local clock offset: -5.73 ms
Remote clock offset: -2.108 ms

Below is generated by plot.py at 2018-02-16 19:06:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 37.041 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.69 Mbit/s
95th percentile per-packet one-way delay: 35.541 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 39.418 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 37.257 ms
Loss rate: 0.16%

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

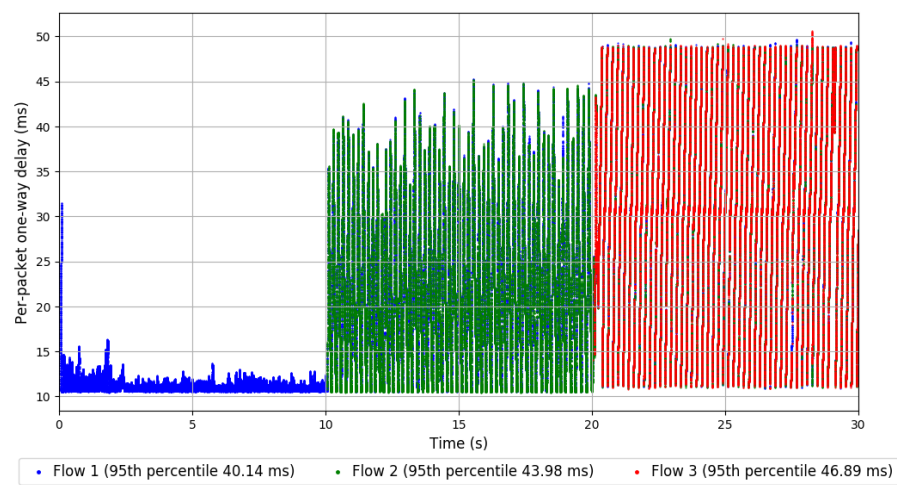
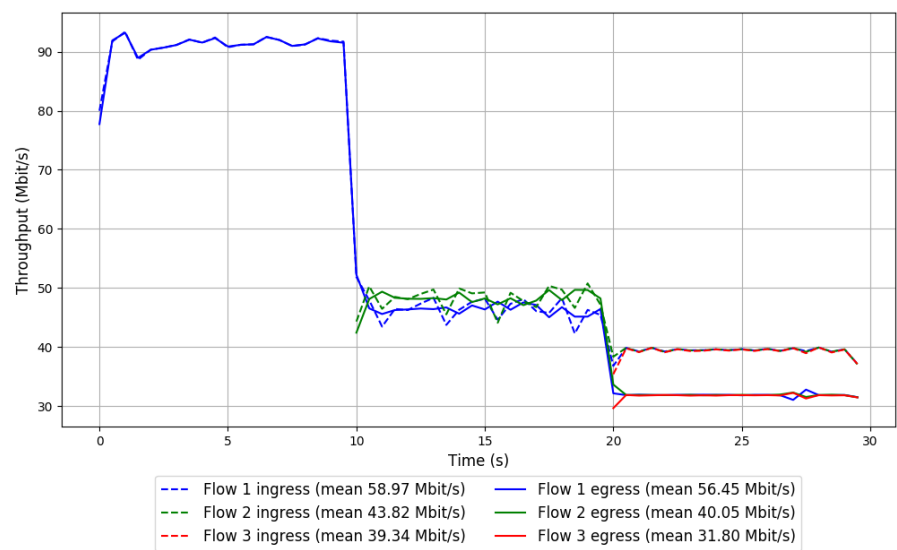


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 17:57:34
End at: 2018-02-16 17:58:04
Local clock offset: -4.081 ms
Remote clock offset: -0.849 ms

Below is generated by plot.py at 2018-02-16 19:08:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 43.253 ms
Loss rate: 7.38%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 40.136 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 43.976 ms
Loss rate: 8.53%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 46.894 ms
Loss rate: 19.06%

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

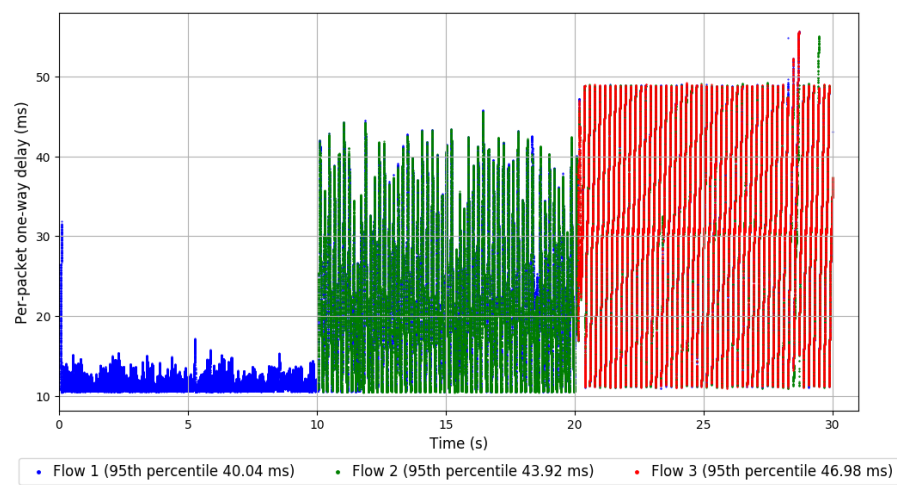
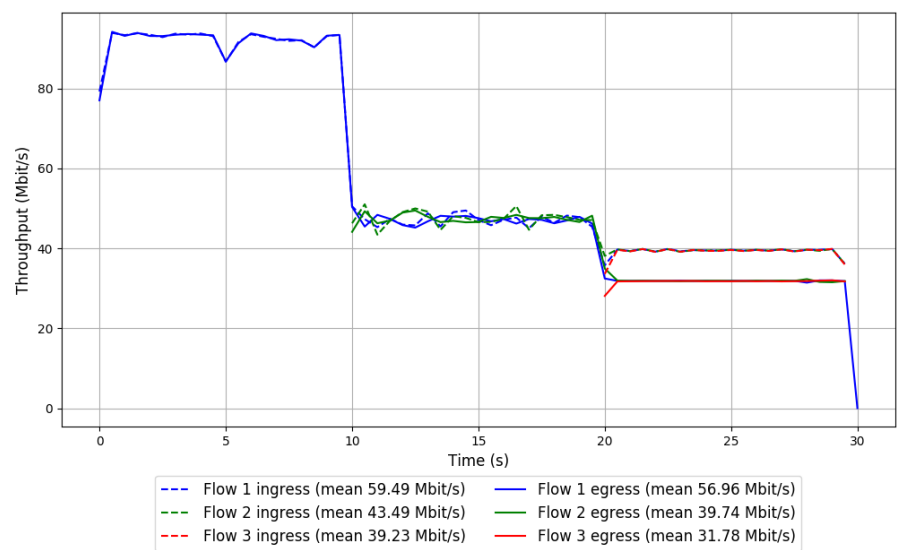


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 18:19:45
End at: 2018-02-16 18:20:15
Local clock offset: -3.301 ms
Remote clock offset: -4.2 ms

# Below is generated by plot.py at 2018-02-16 19:08:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 43.149 ms
Loss rate: 7.31%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 40.042 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 43.922 ms
Loss rate: 8.52%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 46.985 ms
Loss rate: 18.98%
```

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

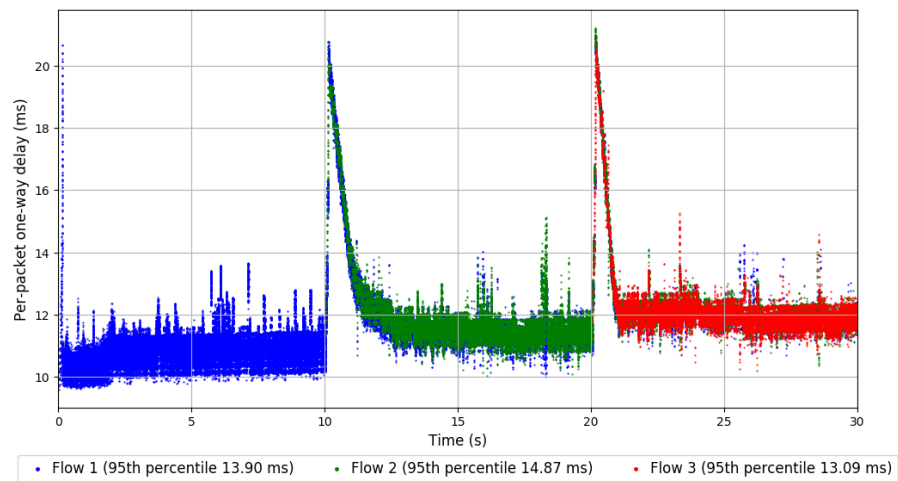
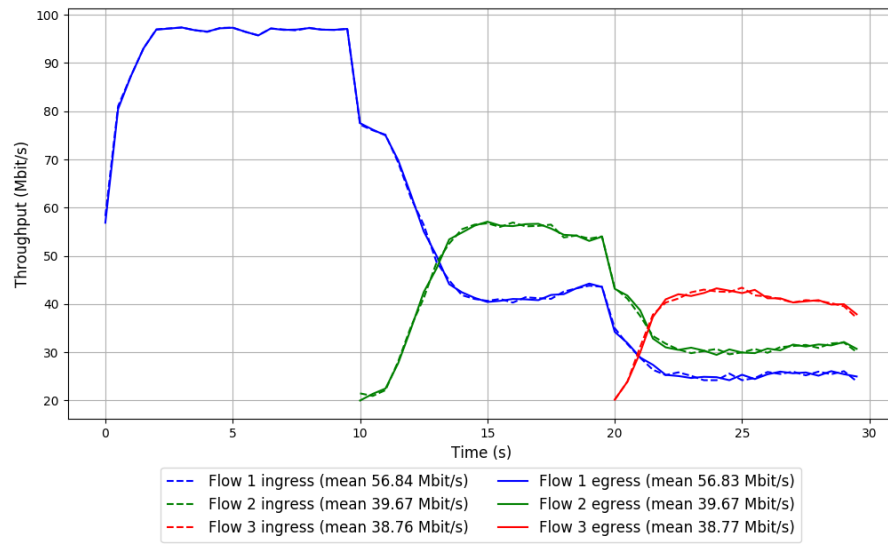


Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 14:50:44
End at: 2018-02-16 14:51:14
Local clock offset: -2.912 ms
Remote clock offset: -5.155 ms

Below is generated by plot.py at 2018-02-16 19:08:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 14.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 13.898 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 14.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 13.089 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

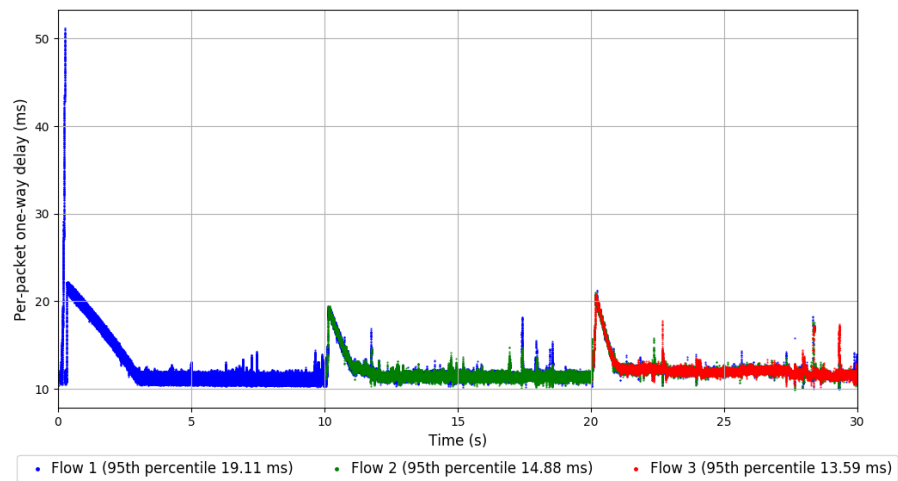
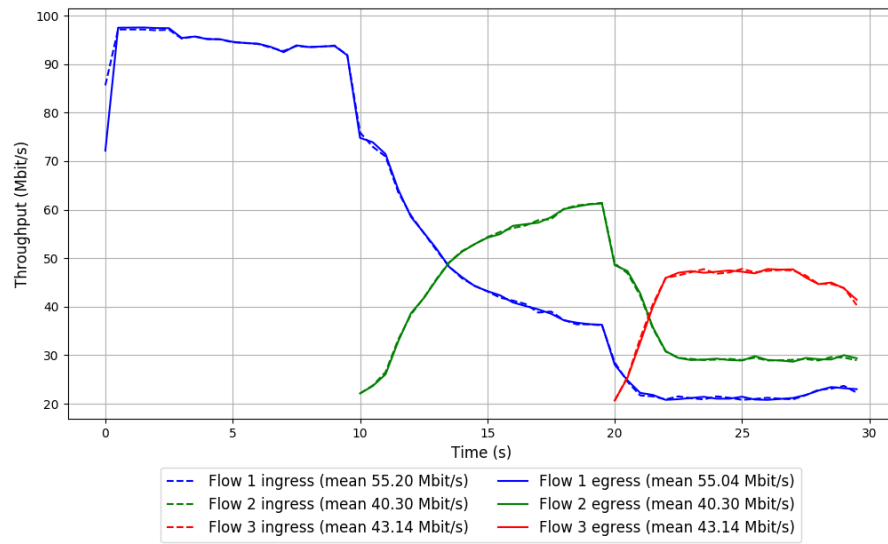


Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 15:13:29
End at: 2018-02-16 15:13:59
Local clock offset: -5.249 ms
Remote clock offset: -15.232 ms

Below is generated by plot.py at 2018-02-16 19:08:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 18.062 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.04 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 14.882 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 13.588 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

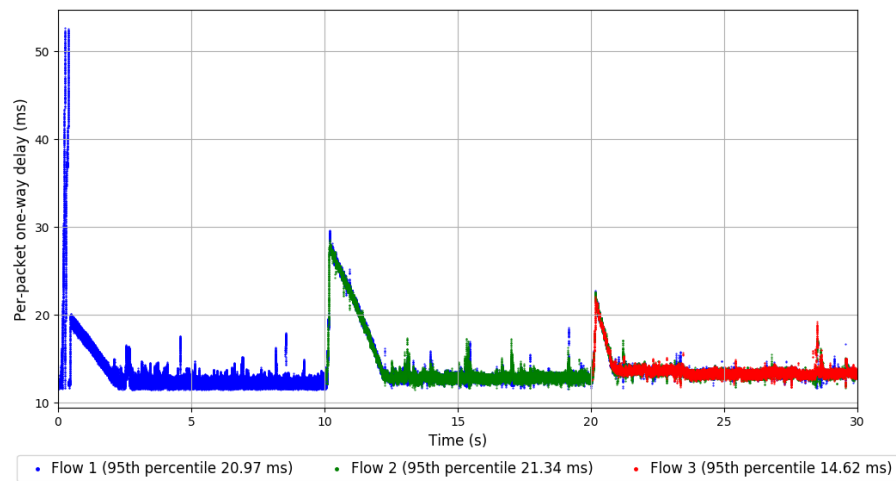
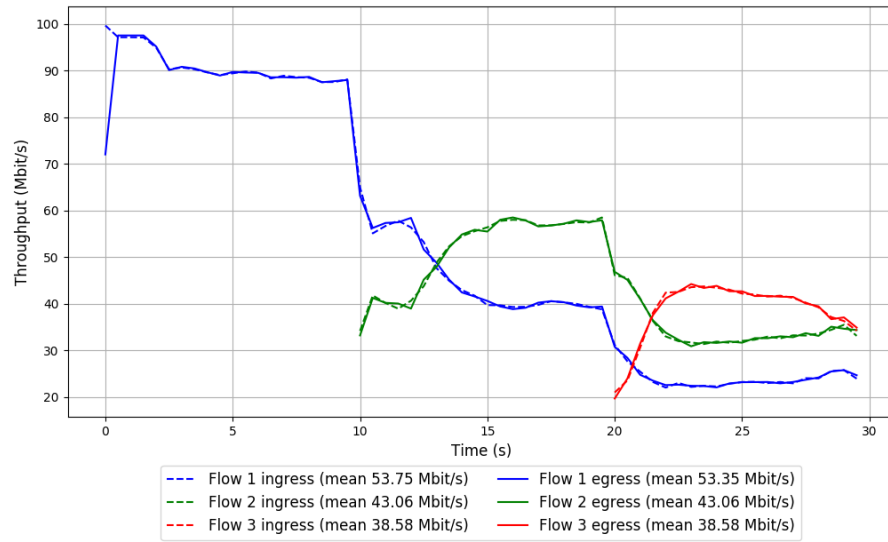


Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 15:36:34
End at: 2018-02-16 15:37:04
Local clock offset: -3.229 ms
Remote clock offset: -12.929 ms

Below is generated by plot.py at 2018-02-16 19:08:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 20.268 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 20.970 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 21.335 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 14.620 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

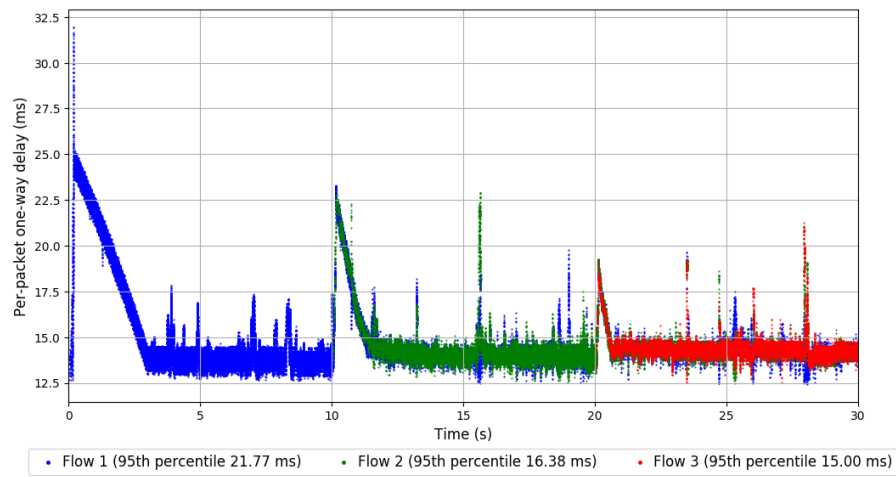
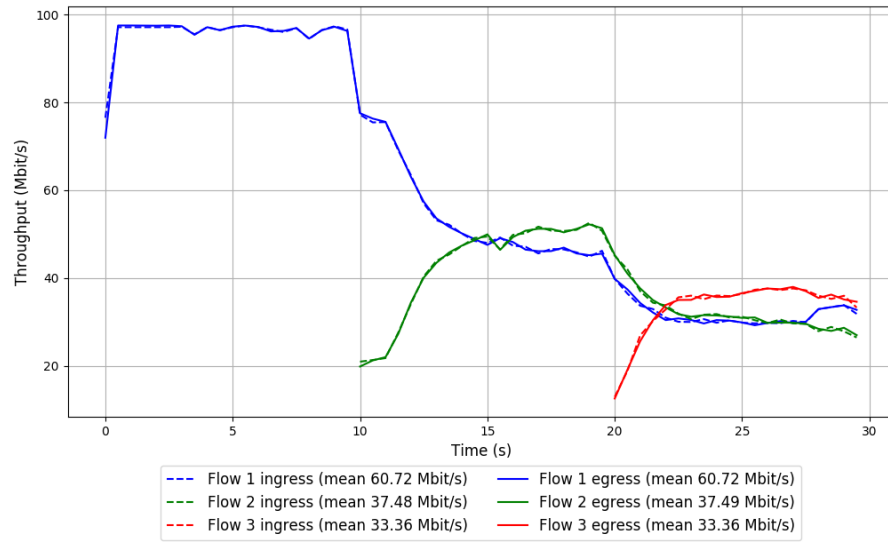


Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 15:59:53
End at: 2018-02-16 16:00:23
Local clock offset: 0.014 ms
Remote clock offset: -5.043 ms

Below is generated by plot.py at 2018-02-16 19:08:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 20.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 21.765 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 16.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 14.997 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 16:24:52

End at: 2018-02-16 16:25:22

Local clock offset: -4.379 ms

Remote clock offset: -2.98 ms

Below is generated by plot.py at 2018-02-16 19:08:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.97 Mbit/s

95th percentile per-packet one-way delay: 20.159 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 51.56 Mbit/s

95th percentile per-packet one-way delay: 20.533 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 44.64 Mbit/s

95th percentile per-packet one-way delay: 20.746 ms

Loss rate: 0.00%

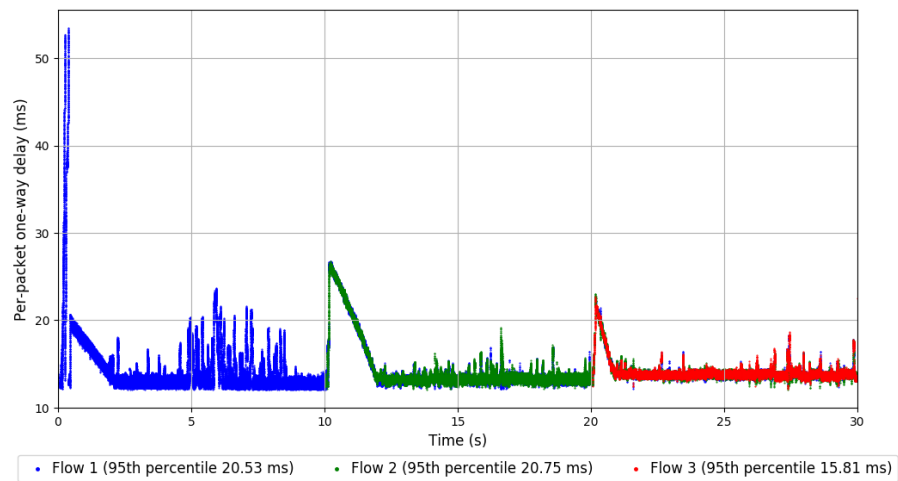
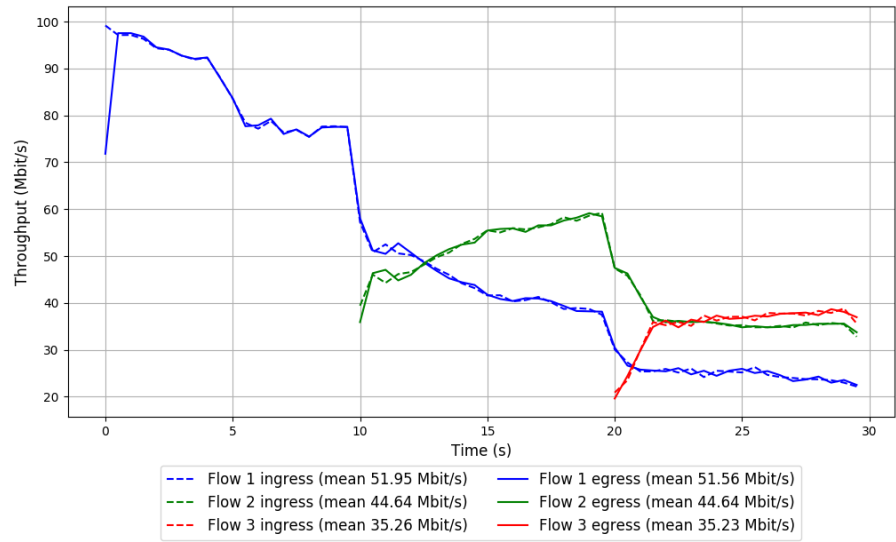
-- Flow 3:

Average throughput: 35.23 Mbit/s

95th percentile per-packet one-way delay: 15.808 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

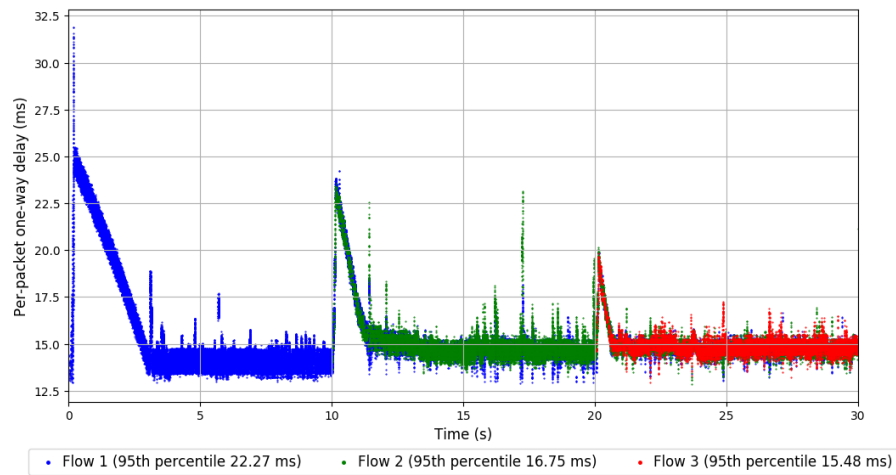
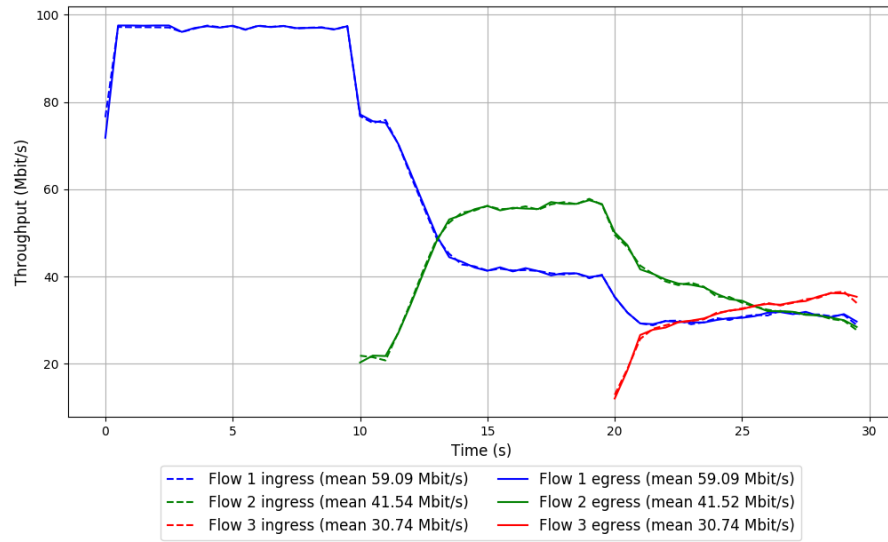


Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 16:47:42
End at: 2018-02-16 16:48:12
Local clock offset: -2.949 ms
Remote clock offset: -3.175 ms

Below is generated by plot.py at 2018-02-16 19:08:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 20.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 22.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 16.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 15.478 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

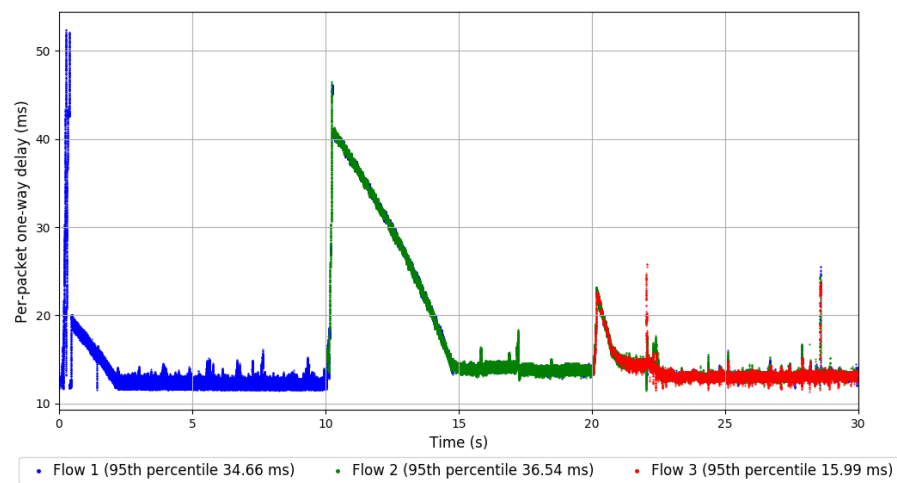
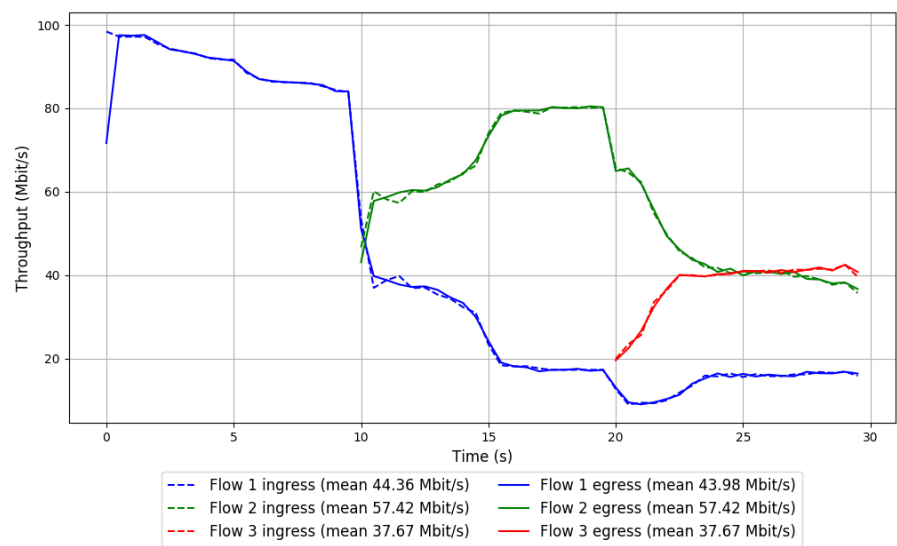


Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 17:10:37
End at: 2018-02-16 17:11:07
Local clock offset: -2.904 ms
Remote clock offset: -2.509 ms

Below is generated by plot.py at 2018-02-16 19:08:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 34.845 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 43.98 Mbit/s
95th percentile per-packet one-way delay: 34.665 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 36.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 15.988 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

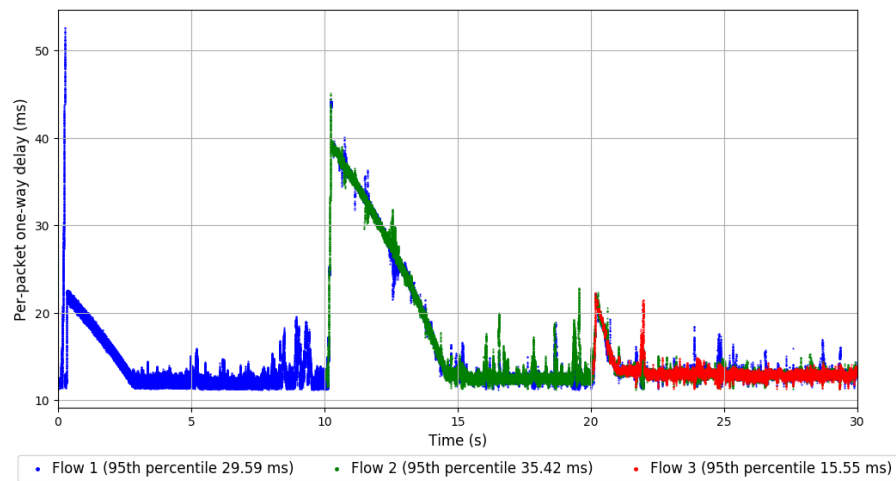
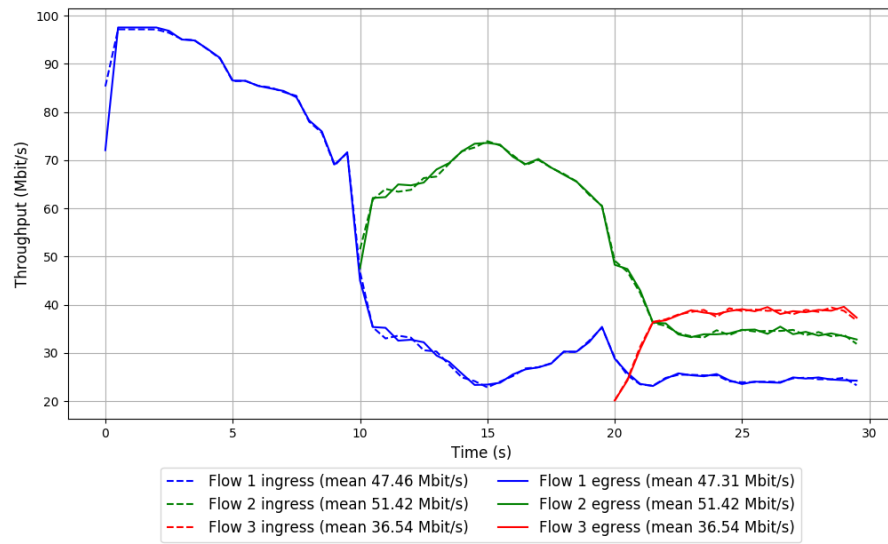


Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 17:32:54
End at: 2018-02-16 17:33:24
Local clock offset: -4.92 ms
Remote clock offset: -1.435 ms

Below is generated by plot.py at 2018-02-16 19:09:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 32.542 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 47.31 Mbit/s
95th percentile per-packet one-way delay: 29.591 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 51.42 Mbit/s
95th percentile per-packet one-way delay: 35.416 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 15.546 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

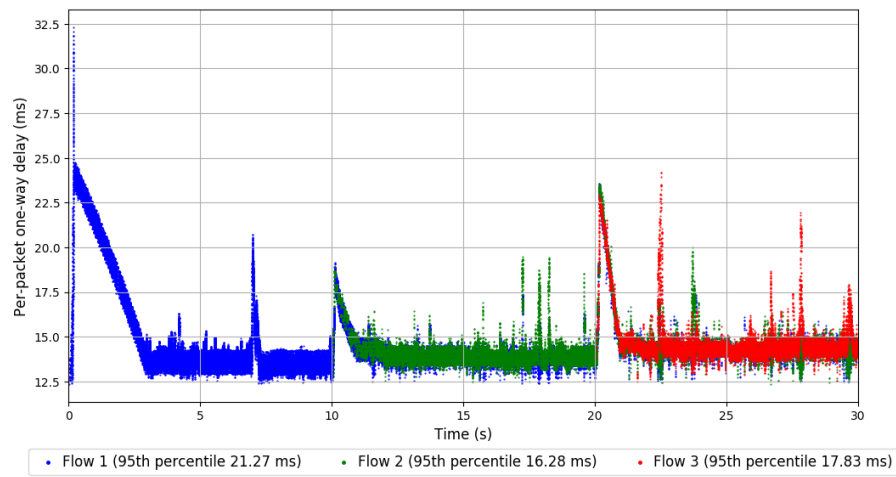
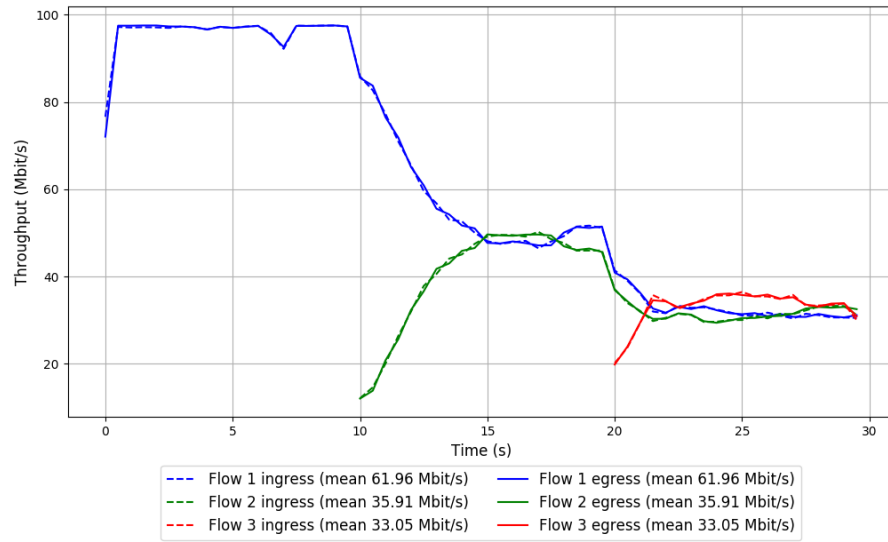


Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 17:55:02
End at: 2018-02-16 17:55:32
Local clock offset: -6.667 ms
Remote clock offset: -1.528 ms

Below is generated by plot.py at 2018-02-16 19:09:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 20.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.96 Mbit/s
95th percentile per-packet one-way delay: 21.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 16.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 17.831 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

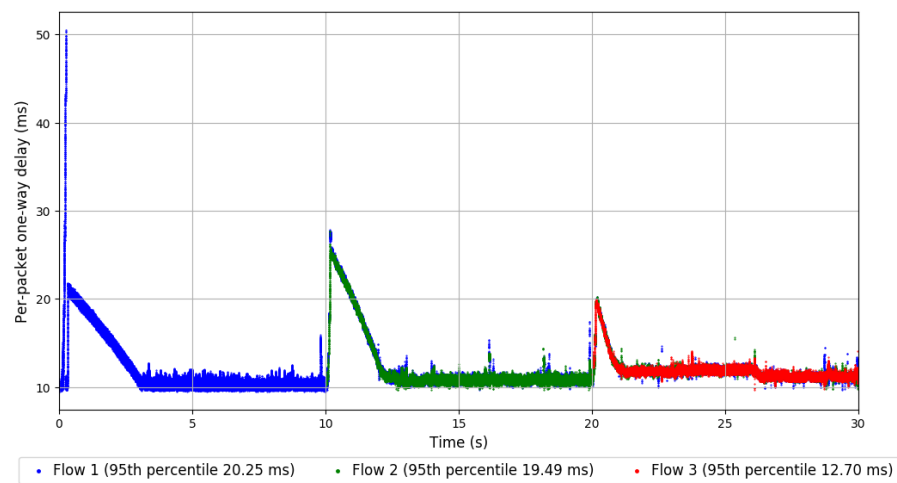
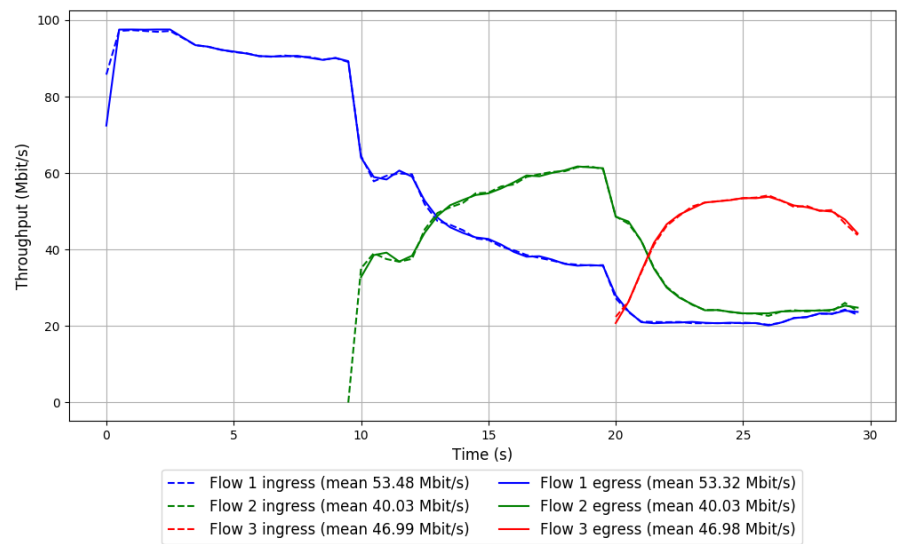


Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 18:17:19
End at: 2018-02-16 18:17:49
Local clock offset: -3.667 ms
Remote clock offset: -5.149 ms

Below is generated by plot.py at 2018-02-16 19:09:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 19.614 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 20.255 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 12.704 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

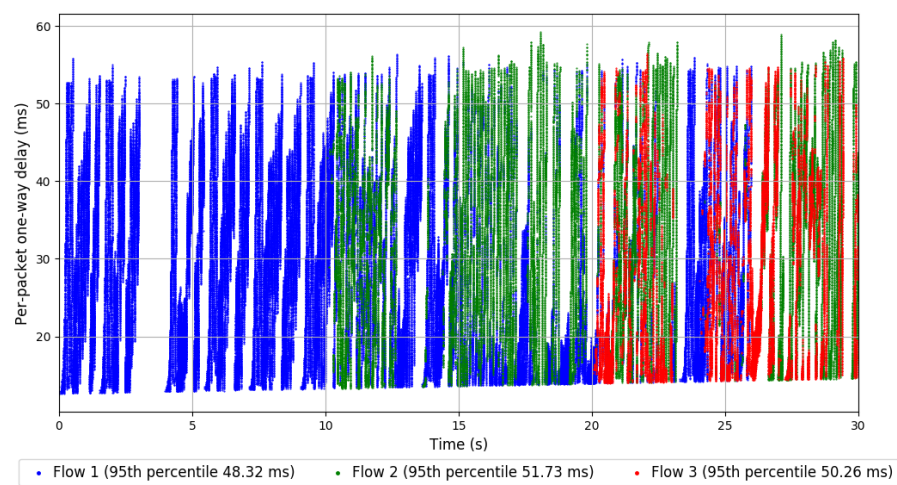
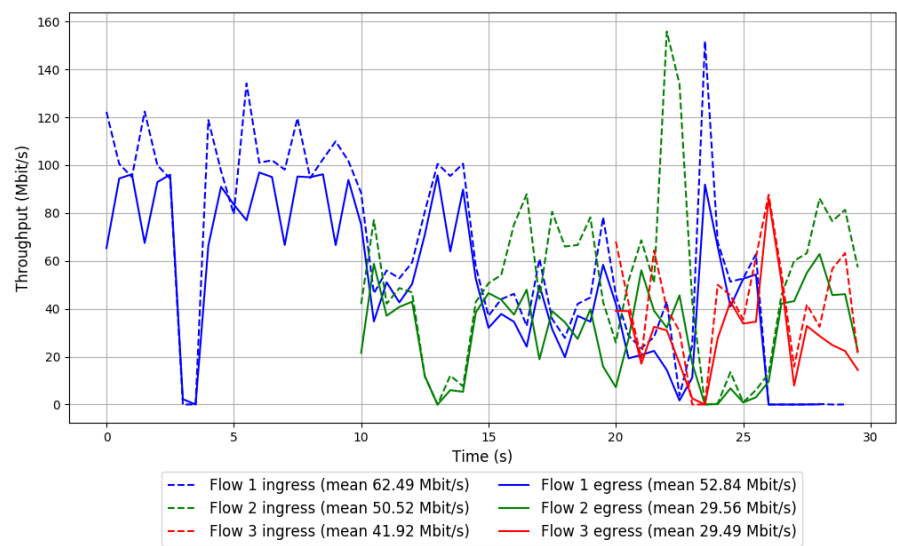


Run 1: Statistics of Verus

Start at: 2018-02-16 14:36:56
End at: 2018-02-16 14:37:26
Local clock offset: -5.579 ms
Remote clock offset: 26.499 ms

Below is generated by plot.py at 2018-02-16 19:09:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 49.785 ms
Loss rate: 27.40%
-- Flow 1:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 48.322 ms
Loss rate: 19.20%
-- Flow 2:
Average throughput: 29.56 Mbit/s
95th percentile per-packet one-way delay: 51.735 ms
Loss rate: 41.48%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 50.262 ms
Loss rate: 29.50%

Run 1: Report of Verus — Data Link

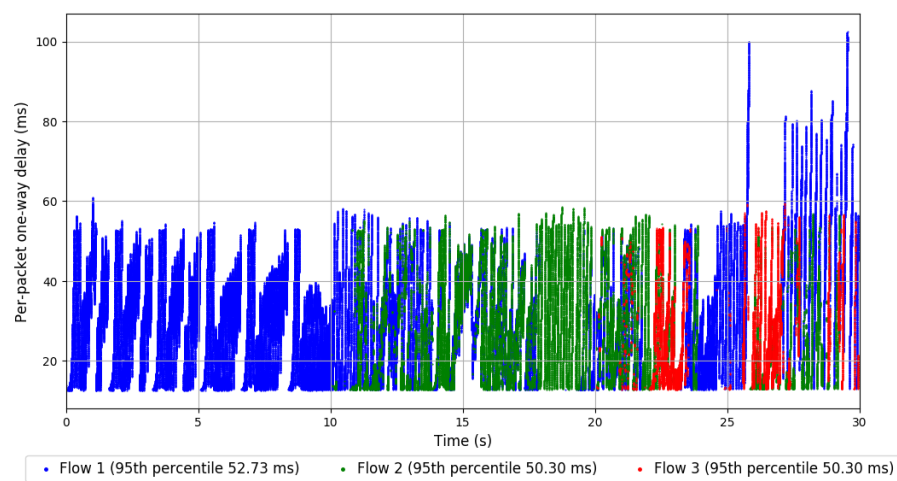
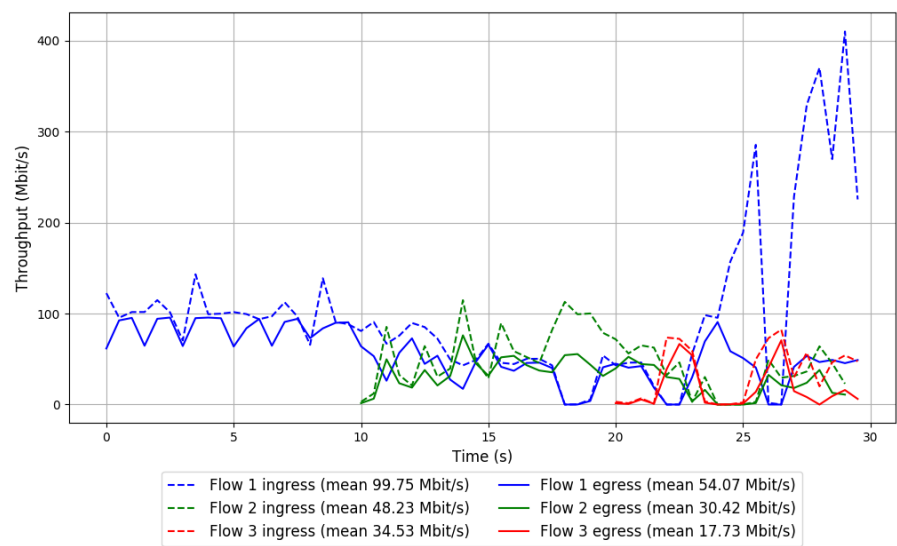


Run 2: Statistics of Verus

Start at: 2018-02-16 14:59:30
End at: 2018-02-16 15:00:00
Local clock offset: -6.081 ms
Remote clock offset: -13.05 ms

Below is generated by plot.py at 2018-02-16 19:09:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 51.732 ms
Loss rate: 44.06%
-- Flow 1:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 52.731 ms
Loss rate: 45.77%
-- Flow 2:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 50.299 ms
Loss rate: 36.85%
-- Flow 3:
Average throughput: 17.73 Mbit/s
95th percentile per-packet one-way delay: 50.295 ms
Loss rate: 48.61%

Run 2: Report of Verus — Data Link

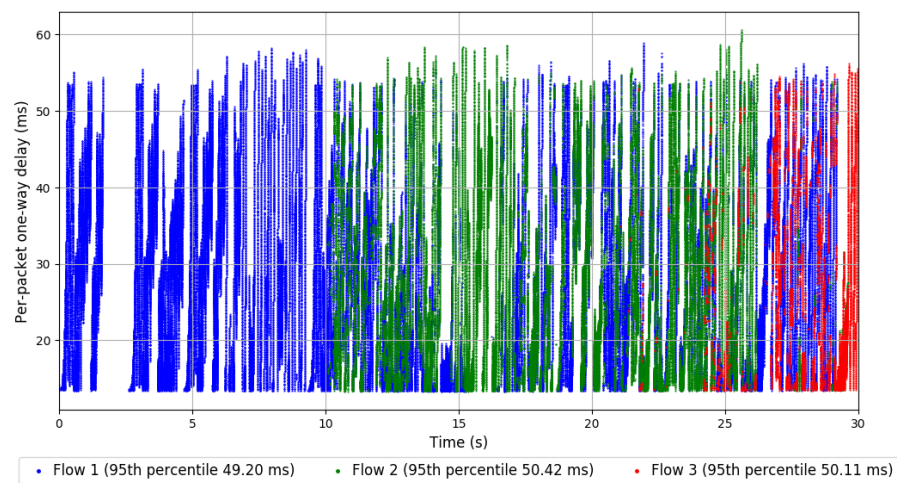
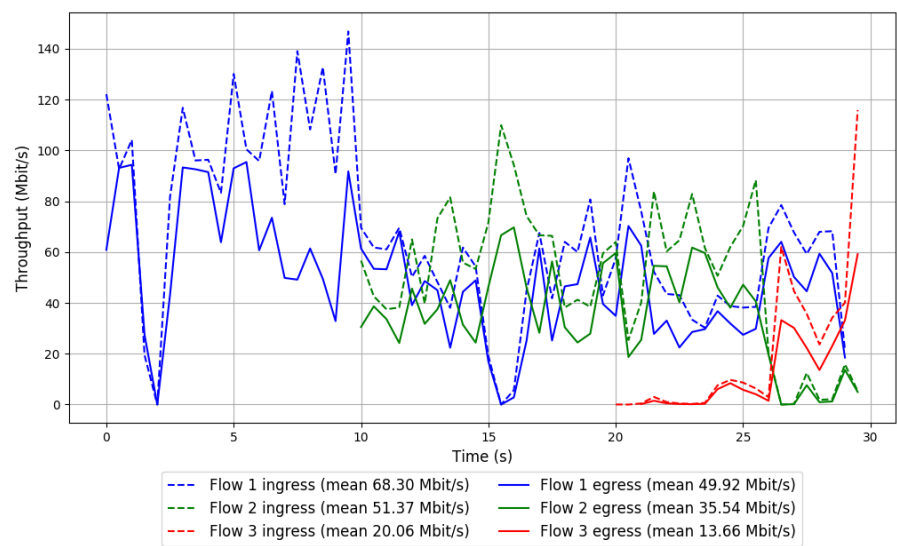


Run 3: Statistics of Verus

Start at: 2018-02-16 15:22:30
End at: 2018-02-16 15:23:00
Local clock offset: -6.532 ms
Remote clock offset: -8.087 ms

Below is generated by plot.py at 2018-02-16 19:09:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.93 Mbit/s
95th percentile per-packet one-way delay: 49.672 ms
Loss rate: 28.87%
-- Flow 1:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 49.205 ms
Loss rate: 26.84%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 50.417 ms
Loss rate: 30.93%
-- Flow 3:
Average throughput: 13.66 Mbit/s
95th percentile per-packet one-way delay: 50.106 ms
Loss rate: 38.76%

Run 3: Report of Verus — Data Link

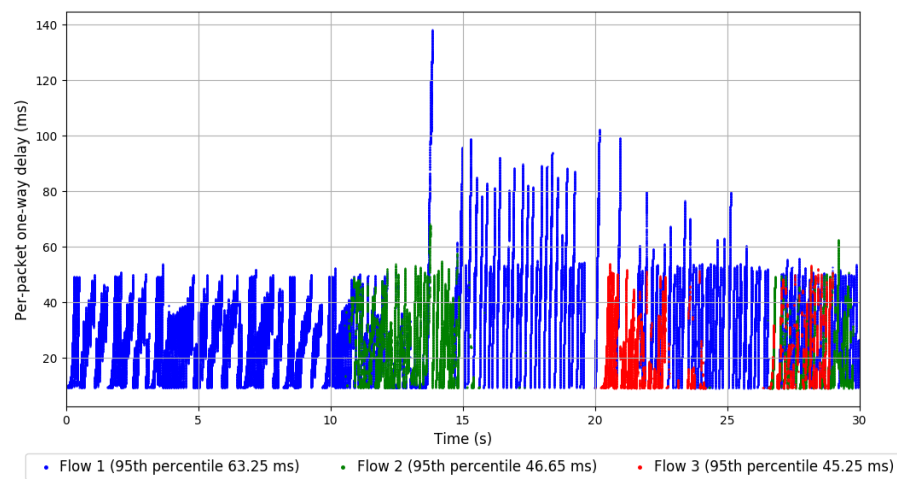
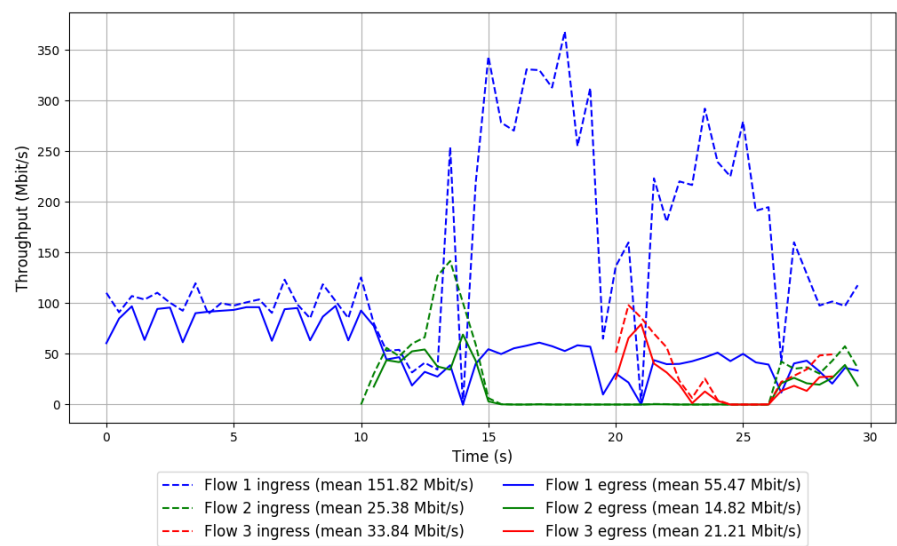


Run 4: Statistics of Verus

Start at: 2018-02-16 15:45:31
End at: 2018-02-16 15:46:01
Local clock offset: 3.856 ms
Remote clock offset: -9.303 ms

Below is generated by plot.py at 2018-02-16 19:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.32 Mbit/s
95th percentile per-packet one-way delay: 57.761 ms
Loss rate: 59.97%
-- Flow 1:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 63.247 ms
Loss rate: 63.45%
-- Flow 2:
Average throughput: 14.82 Mbit/s
95th percentile per-packet one-way delay: 46.651 ms
Loss rate: 41.74%
-- Flow 3:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 45.249 ms
Loss rate: 37.20%

Run 4: Report of Verus — Data Link

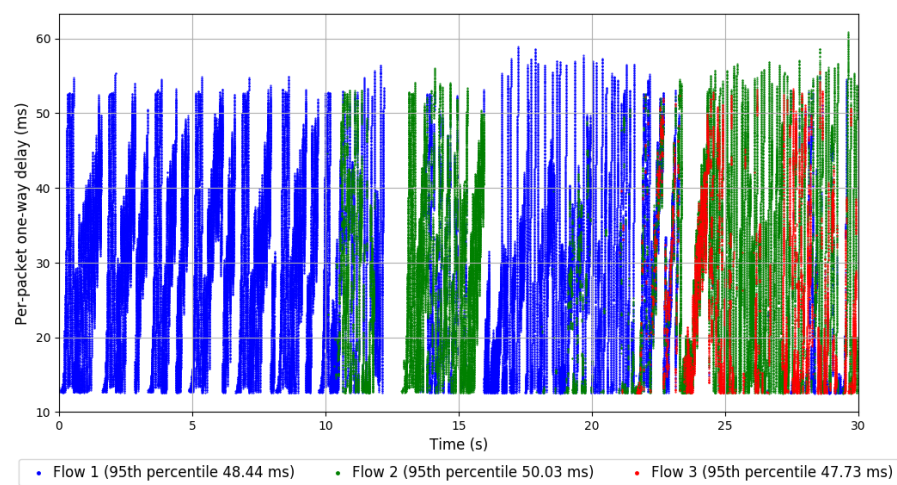
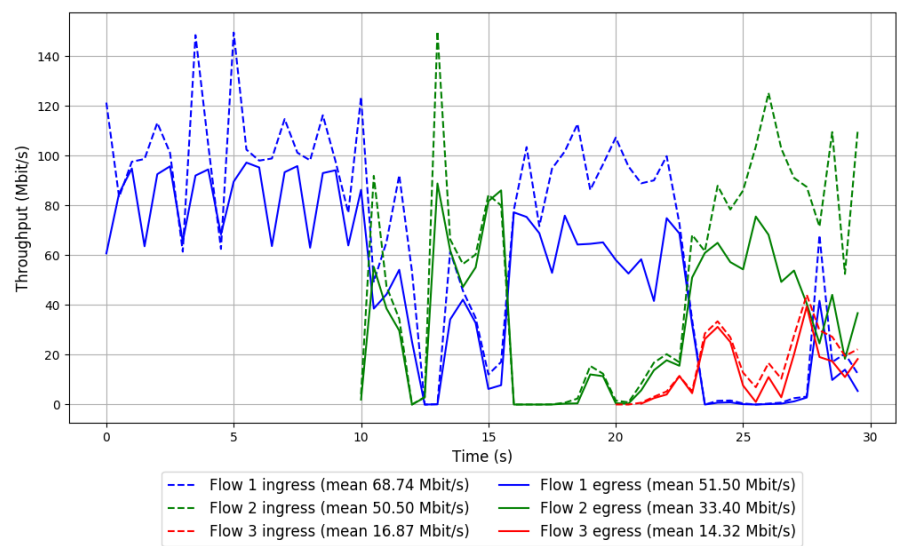


Run 5: Statistics of Verus

Start at: 2018-02-16 16:09:45
End at: 2018-02-16 16:10:15
Local clock offset: -3.456 ms
Remote clock offset: -4.863 ms

Below is generated by plot.py at 2018-02-16 19:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 48.899 ms
Loss rate: 27.84%
-- Flow 1:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 48.435 ms
Loss rate: 25.15%
-- Flow 2:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 50.033 ms
Loss rate: 33.97%
-- Flow 3:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 47.735 ms
Loss rate: 23.68%

Run 5: Report of Verus — Data Link

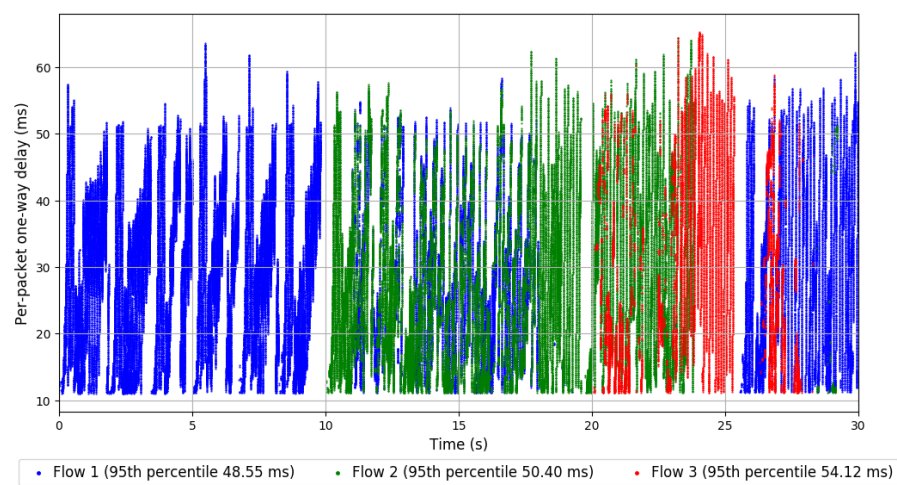
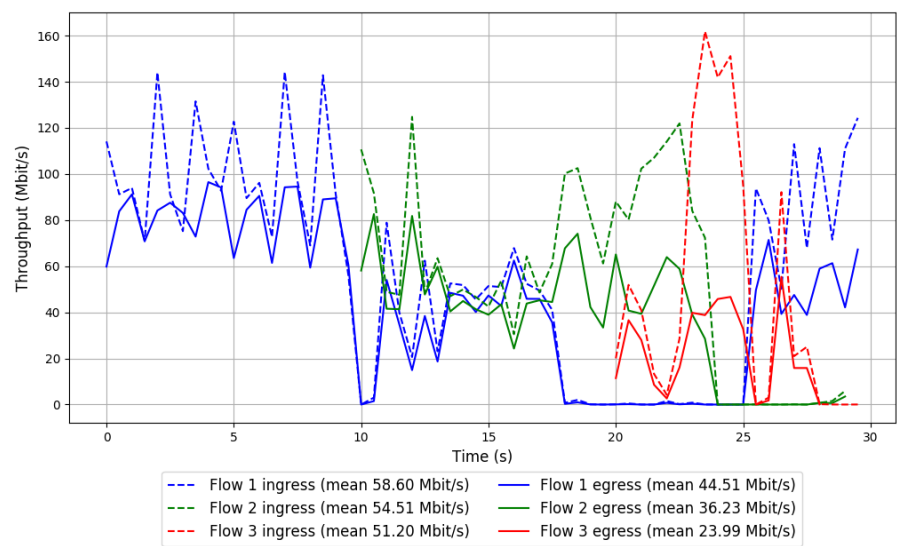


Run 6: Statistics of Verus

Start at: 2018-02-16 16:33:36
End at: 2018-02-16 16:34:06
Local clock offset: -3.414 ms
Remote clock offset: -2.852 ms

Below is generated by plot.py at 2018-02-16 19:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.29 Mbit/s
95th percentile per-packet one-way delay: 49.742 ms
Loss rate: 32.37%
-- Flow 1:
Average throughput: 44.51 Mbit/s
95th percentile per-packet one-way delay: 48.552 ms
Loss rate: 23.95%
-- Flow 2:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 50.400 ms
Loss rate: 33.93%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 54.123 ms
Loss rate: 59.32%

Run 6: Report of Verus — Data Link

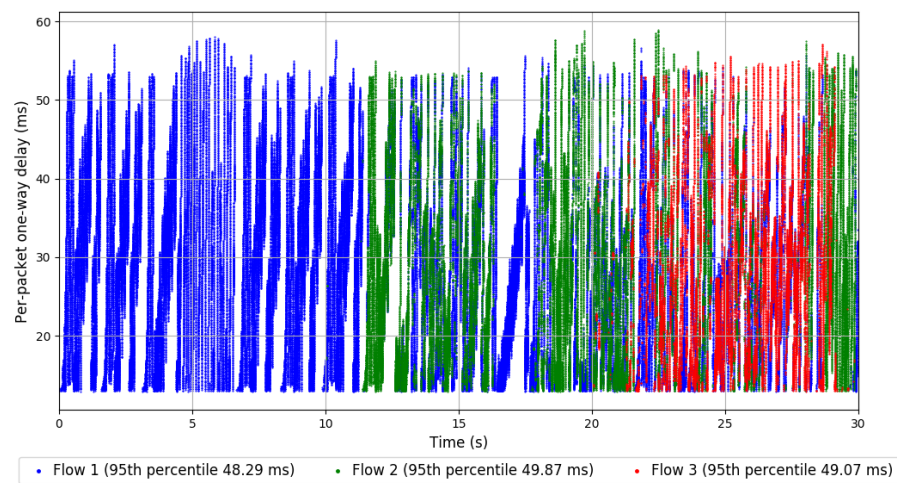
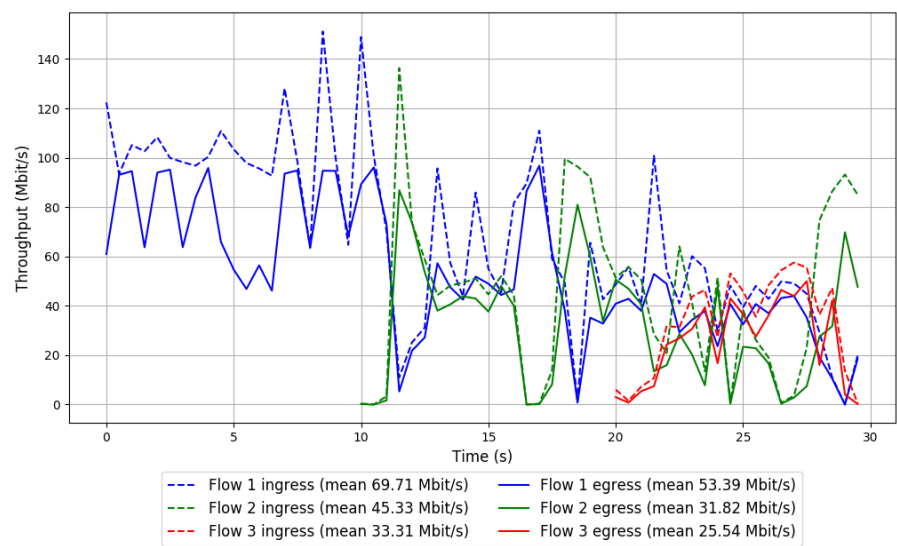


Run 7: Statistics of Verus

Start at: 2018-02-16 16:56:40
End at: 2018-02-16 16:57:10
Local clock offset: -2.192 ms
Remote clock offset: -2.439 ms

Below is generated by plot.py at 2018-02-16 19:10:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 48.765 ms
Loss rate: 25.11%
-- Flow 1:
Average throughput: 53.39 Mbit/s
95th percentile per-packet one-way delay: 48.292 ms
Loss rate: 23.36%
-- Flow 2:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 49.874 ms
Loss rate: 29.73%
-- Flow 3:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 49.068 ms
Loss rate: 23.52%

Run 7: Report of Verus — Data Link

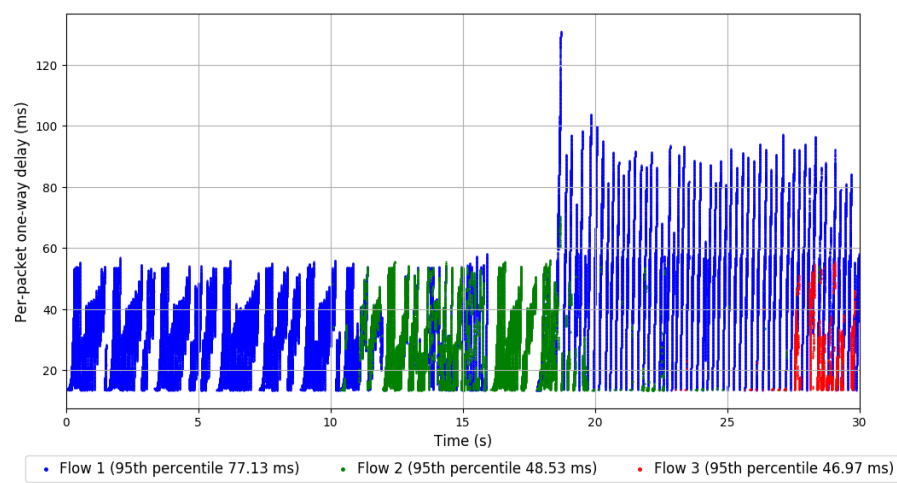
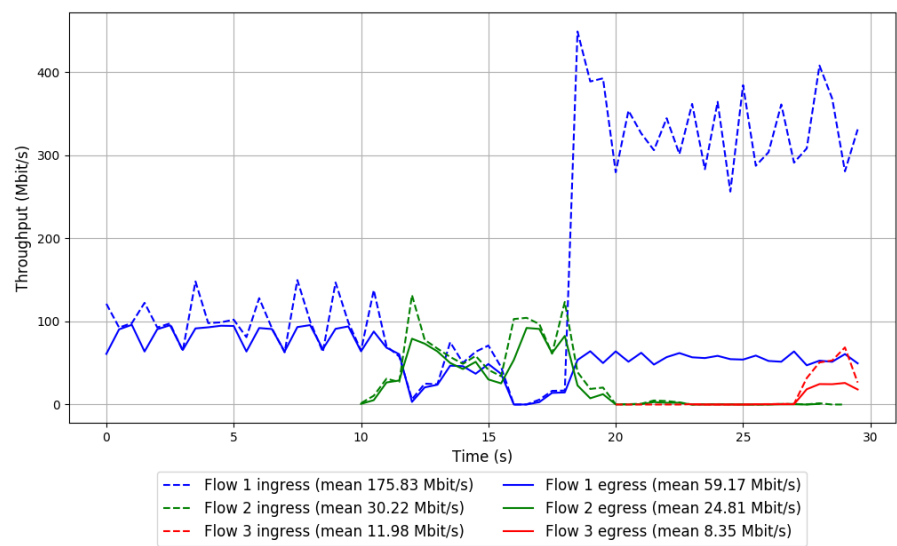


Run 8: Statistics of Verus

Start at: 2018-02-16 17:19:23
End at: 2018-02-16 17:19:53
Local clock offset: -5.814 ms
Remote clock offset: -2.023 ms

Below is generated by plot.py at 2018-02-16 19:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.29 Mbit/s
95th percentile per-packet one-way delay: 73.269 ms
Loss rate: 61.68%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 77.132 ms
Loss rate: 66.31%
-- Flow 2:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 48.526 ms
Loss rate: 22.21%
-- Flow 3:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 46.969 ms
Loss rate: 51.67%

Run 8: Report of Verus — Data Link

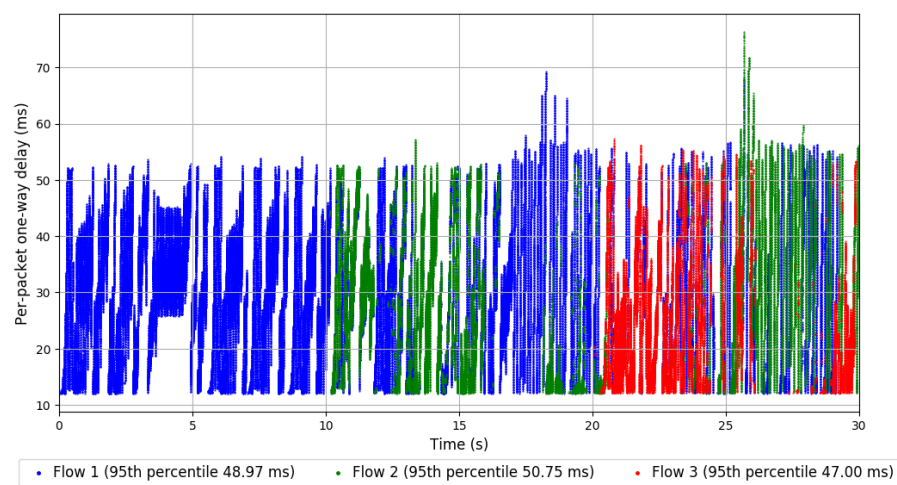
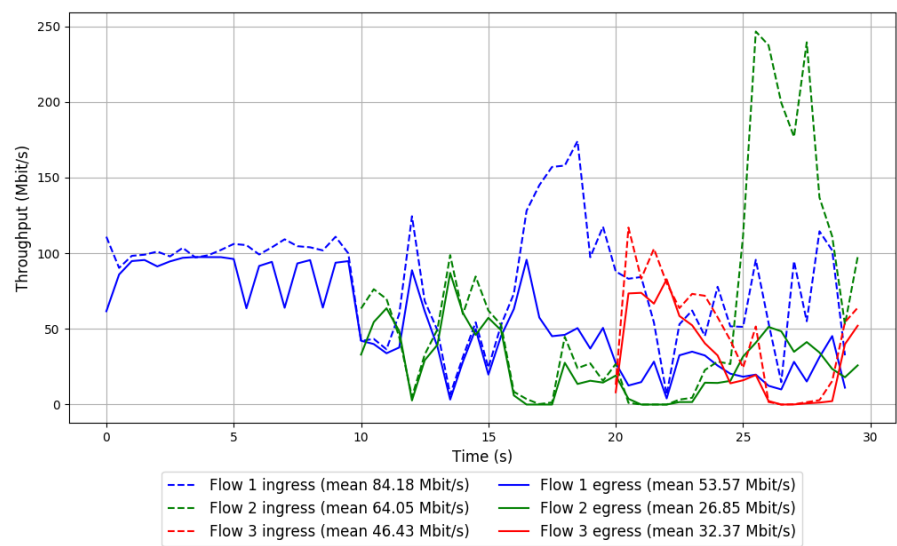


Run 9: Statistics of Verus

Start at: 2018-02-16 17:41:35
End at: 2018-02-16 17:42:05
Local clock offset: -5.089 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-02-16 19:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.59 Mbit/s
95th percentile per-packet one-way delay: 49.323 ms
Loss rate: 42.35%
-- Flow 1:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 48.974 ms
Loss rate: 36.35%
-- Flow 2:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 50.746 ms
Loss rate: 58.04%
-- Flow 3:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 46.998 ms
Loss rate: 30.89%

Run 9: Report of Verus — Data Link

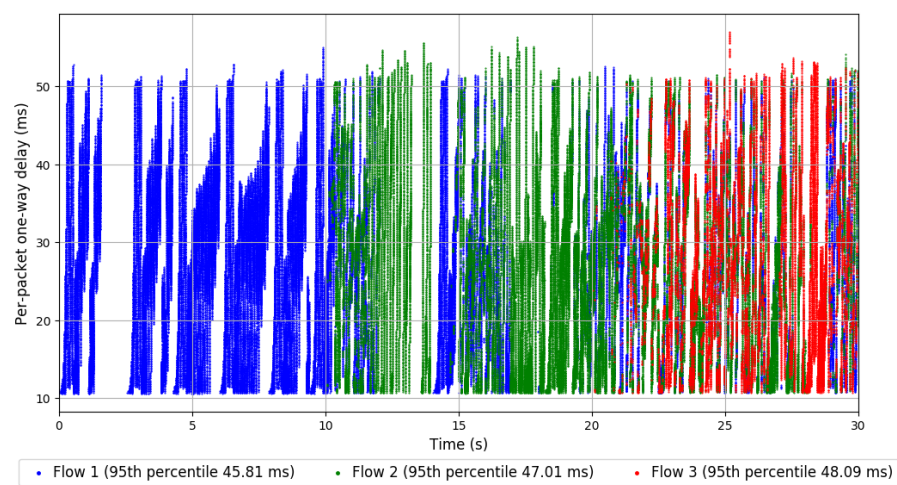
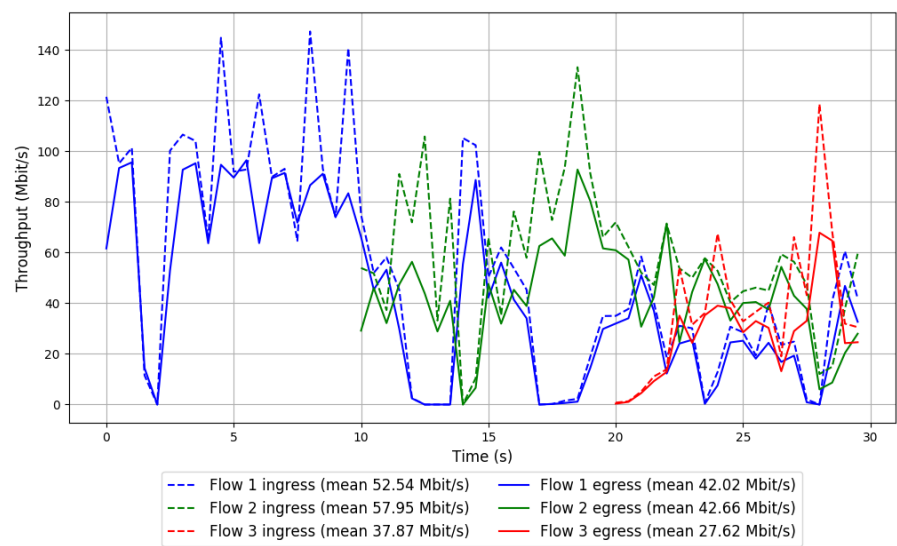


Run 10: Statistics of Verus

Start at: 2018-02-16 18:03:45
End at: 2018-02-16 18:04:15
Local clock offset: -3.708 ms
Remote clock offset: -1.561 ms

Below is generated by plot.py at 2018-02-16 19:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 46.575 ms
Loss rate: 23.18%
-- Flow 1:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 45.809 ms
Loss rate: 20.00%
-- Flow 2:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 47.014 ms
Loss rate: 26.32%
-- Flow 3:
Average throughput: 27.62 Mbit/s
95th percentile per-packet one-way delay: 48.095 ms
Loss rate: 26.90%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-16 14:49:26

End at: 2018-02-16 14:49:56

Local clock offset: -5.666 ms

Remote clock offset: -3.51 ms

Below is generated by plot.py at 2018-02-16 19:12:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 20.541 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.37 Mbit/s

95th percentile per-packet one-way delay: 19.780 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.31 Mbit/s

95th percentile per-packet one-way delay: 20.843 ms

Loss rate: 0.00%

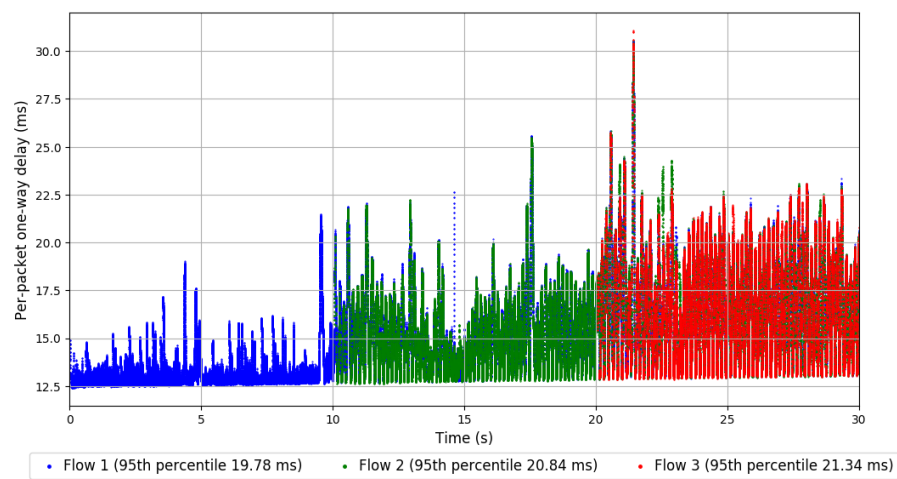
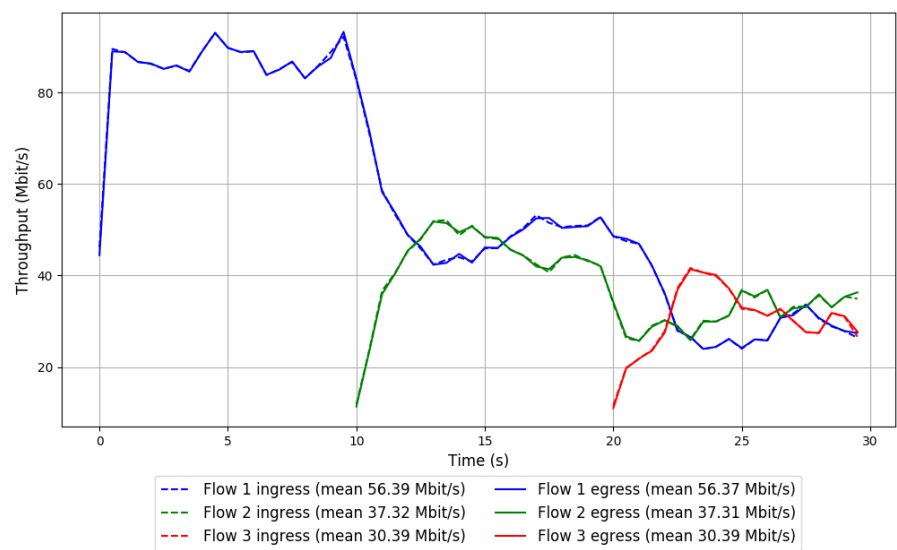
-- Flow 3:

Average throughput: 30.39 Mbit/s

95th percentile per-packet one-way delay: 21.345 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

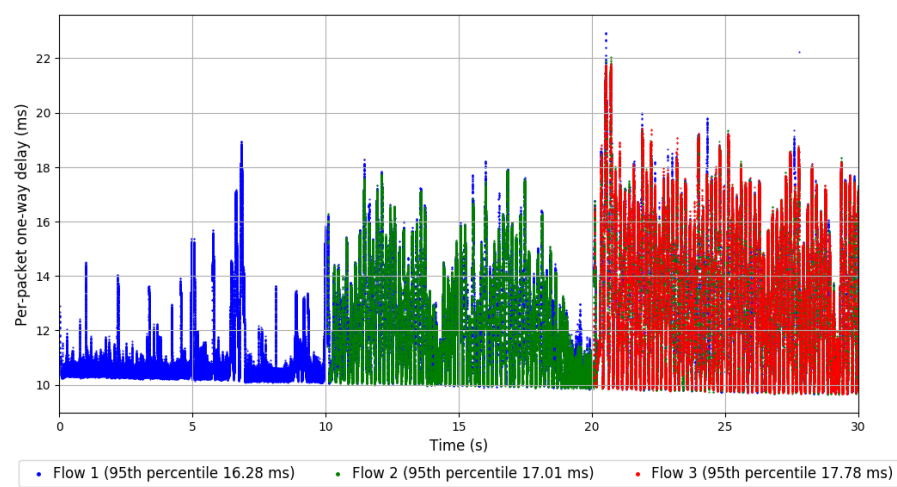
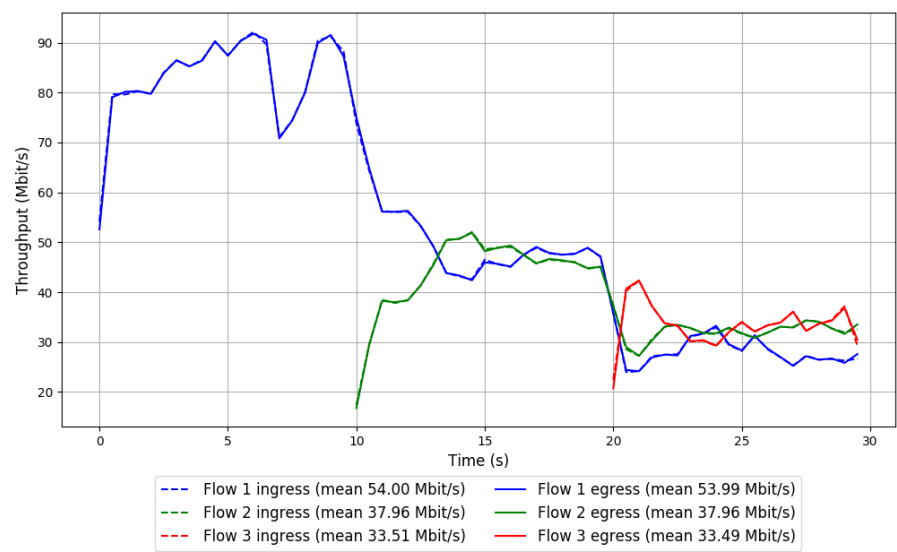


Run 2: Statistics of Copa

Start at: 2018-02-16 15:12:07
End at: 2018-02-16 15:12:37
Local clock offset: -3.767 ms
Remote clock offset: -15.527 ms

Below is generated by plot.py at 2018-02-16 19:12:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.39 Mbit/s
95th percentile per-packet one-way delay: 16.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 16.276 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 17.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 17.784 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

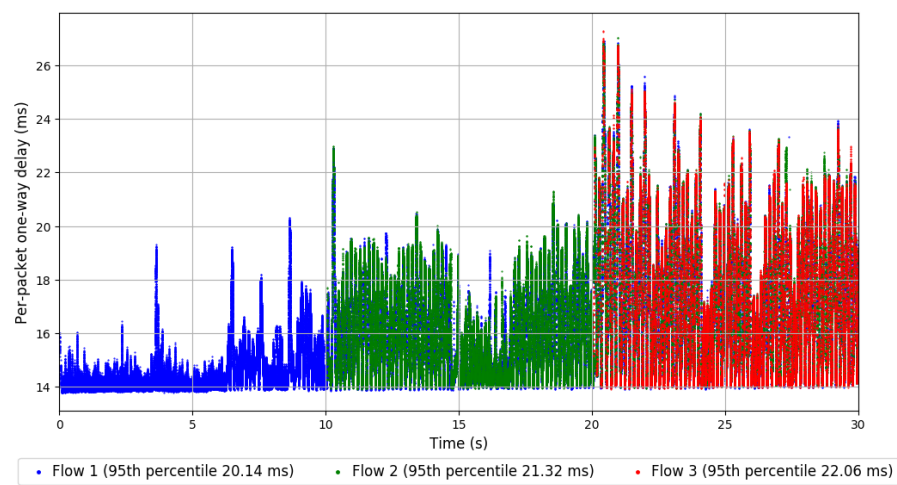
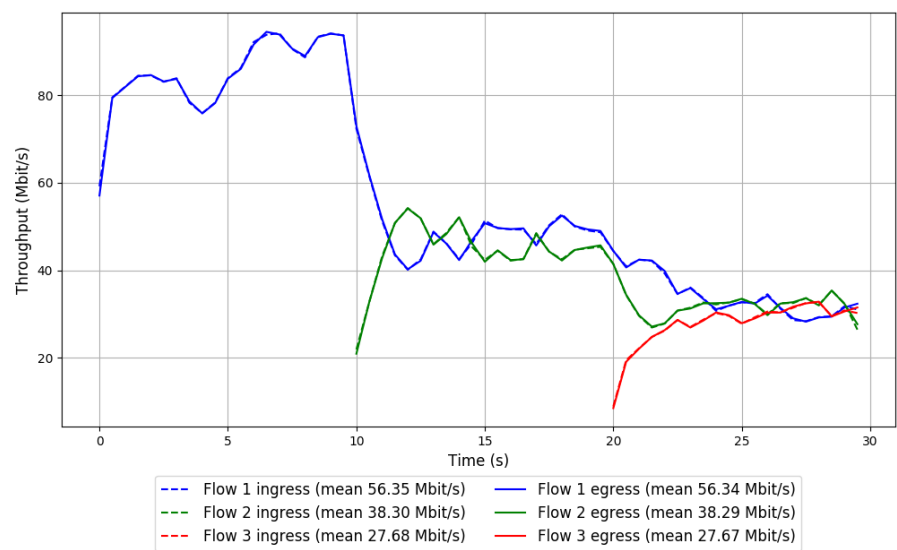


Run 3: Statistics of Copa

Start at: 2018-02-16 15:35:09
End at: 2018-02-16 15:35:39
Local clock offset: -1.136 ms
Remote clock offset: -7.996 ms

Below is generated by plot.py at 2018-02-16 19:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 21.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 20.145 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 21.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 22.061 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

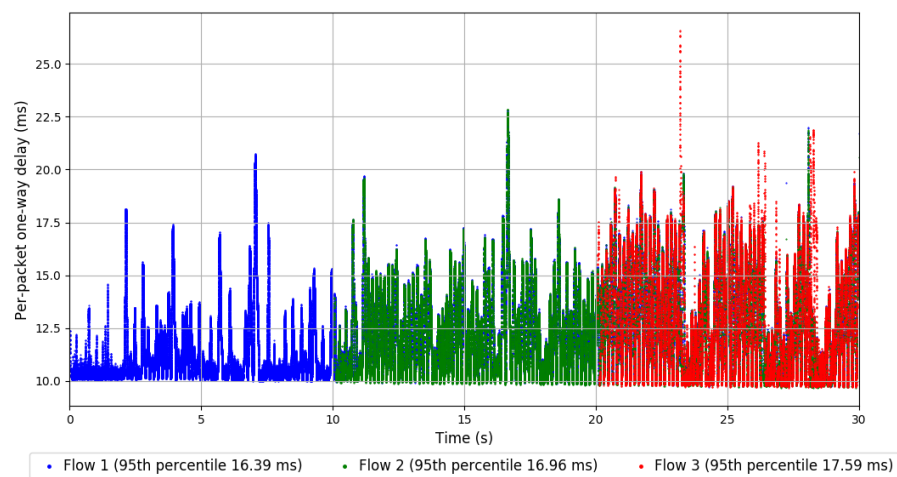
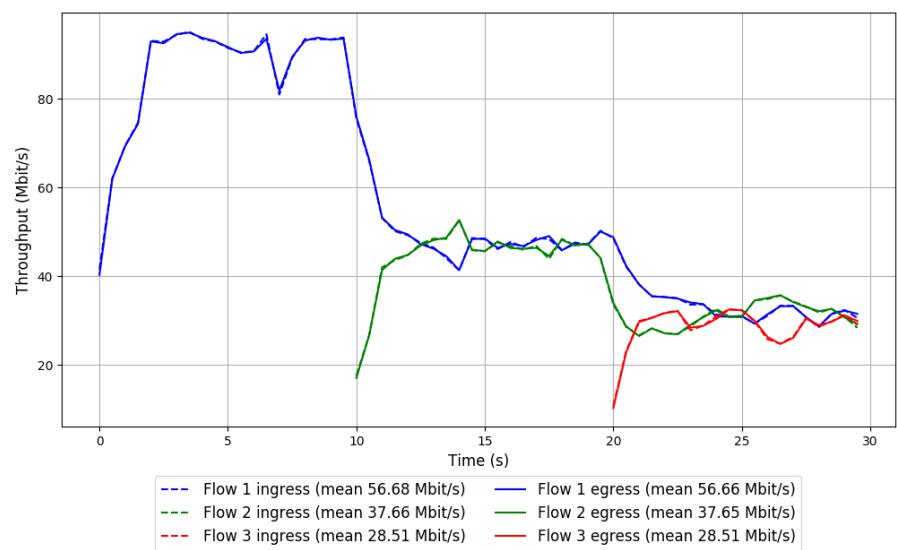


Run 4: Statistics of Copa

Start at: 2018-02-16 15:58:30
End at: 2018-02-16 15:59:00
Local clock offset: 2.91 ms
Remote clock offset: -5.646 ms

```
# Below is generated by plot.py at 2018-02-16 19:12:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 16.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 16.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 16.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 17.592 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

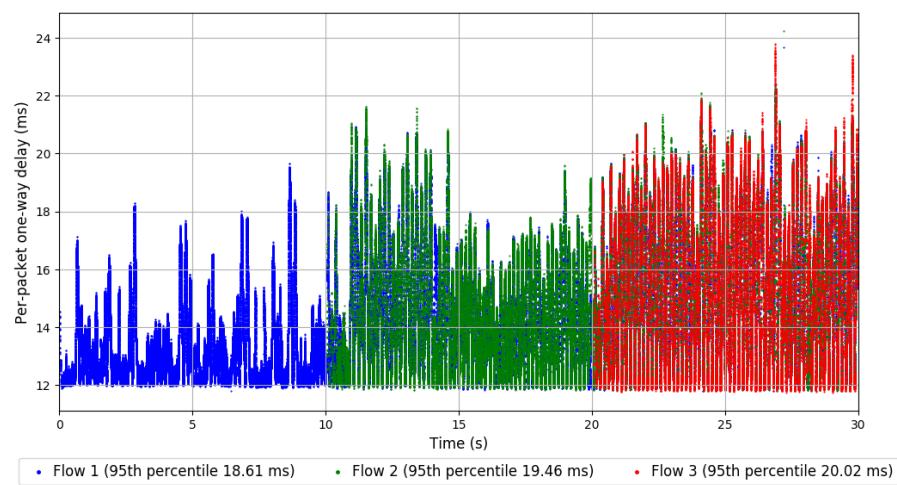
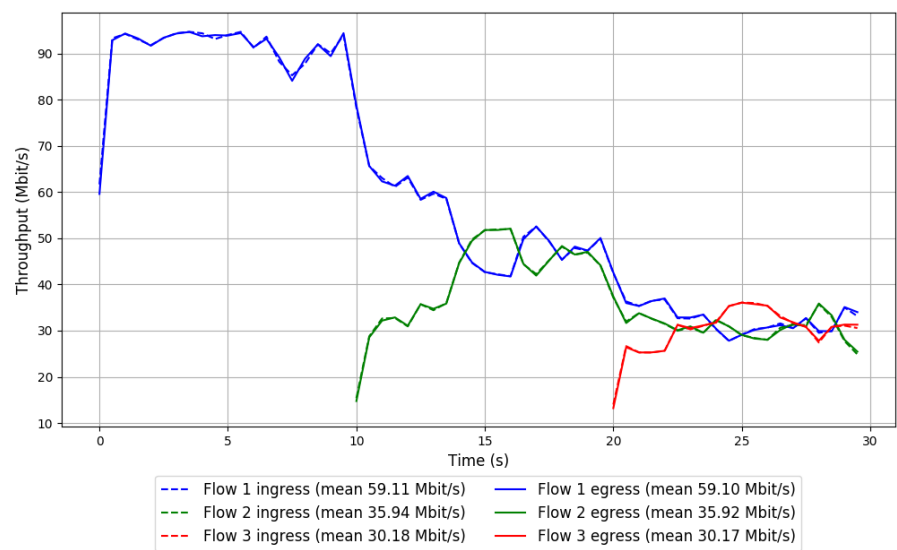


Run 5: Statistics of Copa

Start at: 2018-02-16 16:23:25
End at: 2018-02-16 16:23:55
Local clock offset: -4.797 ms
Remote clock offset: -4.036 ms

Below is generated by plot.py at 2018-02-16 19:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 18.613 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 20.015 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

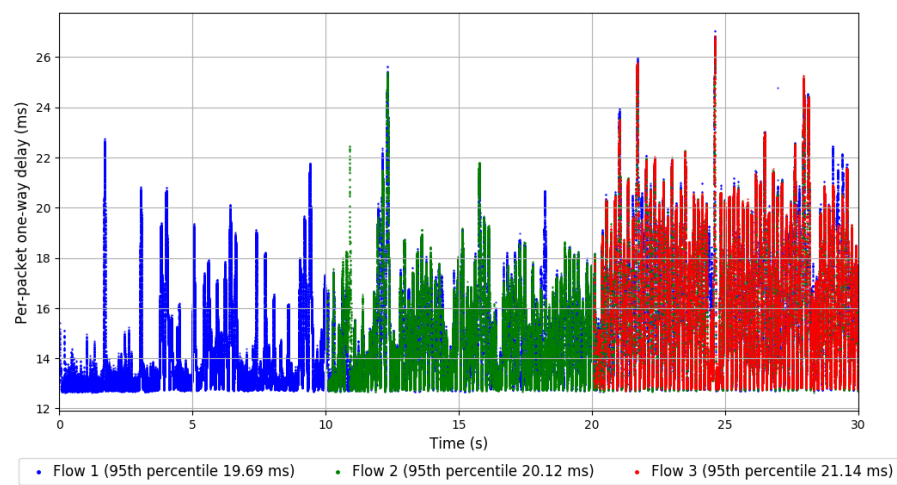
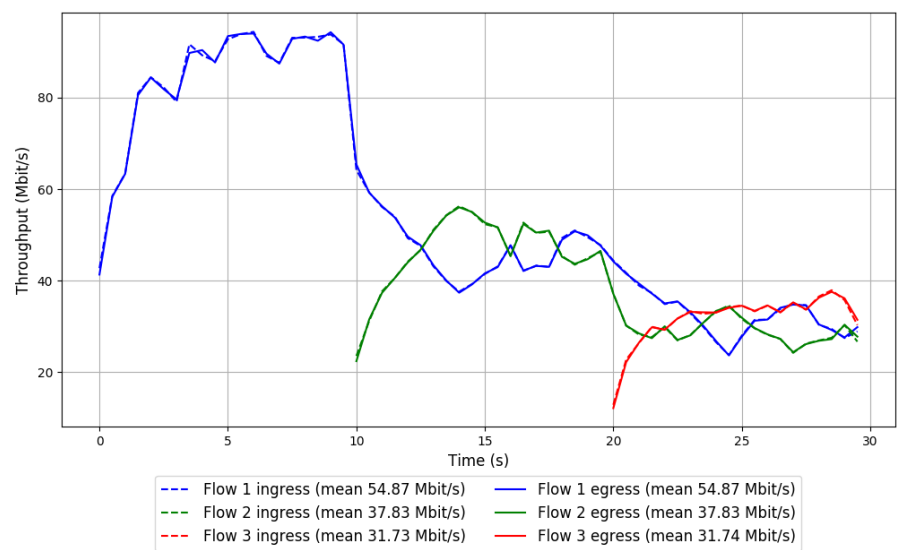


Run 6: Statistics of Copa

Start at: 2018-02-16 16:46:18
End at: 2018-02-16 16:46:48
Local clock offset: -2.161 ms
Remote clock offset: -2.443 ms

Below is generated by plot.py at 2018-02-16 19:13:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 20.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 19.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 20.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 21.137 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

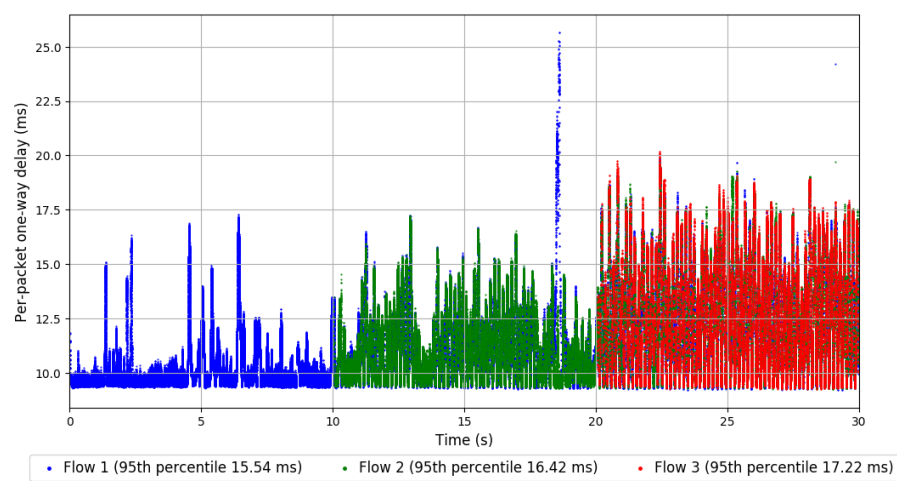
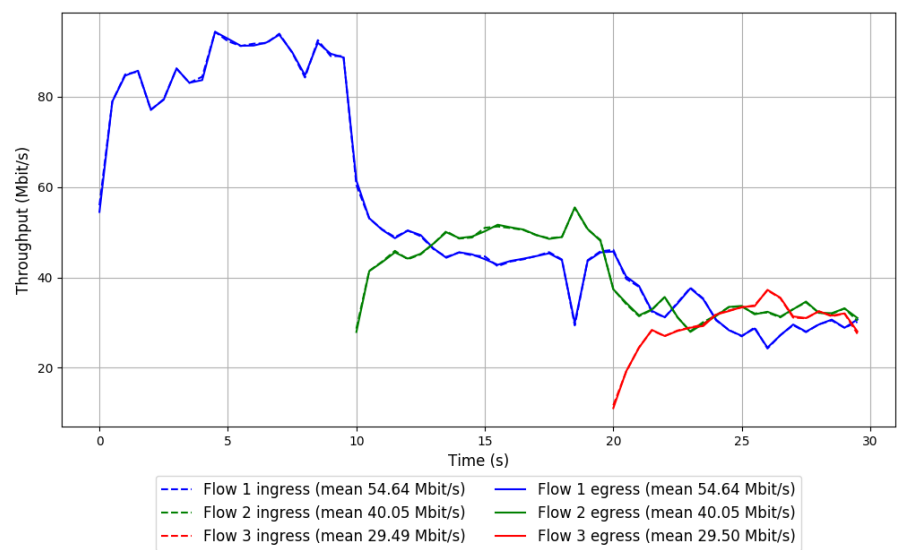


Run 7: Statistics of Copa

Start at: 2018-02-16 17:09:09
End at: 2018-02-16 17:09:39
Local clock offset: -0.705 ms
Remote clock offset: -2.849 ms

```
# Below is generated by plot.py at 2018-02-16 19:13:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 16.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 15.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 16.422 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 17.217 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

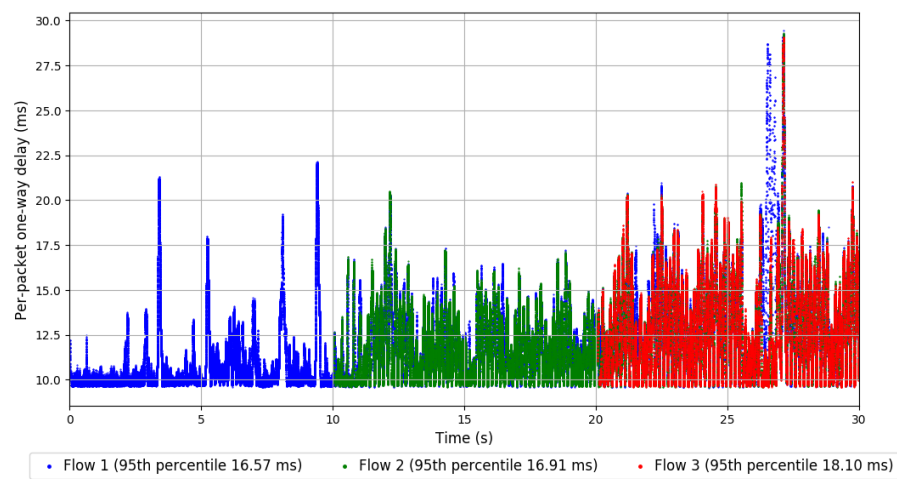
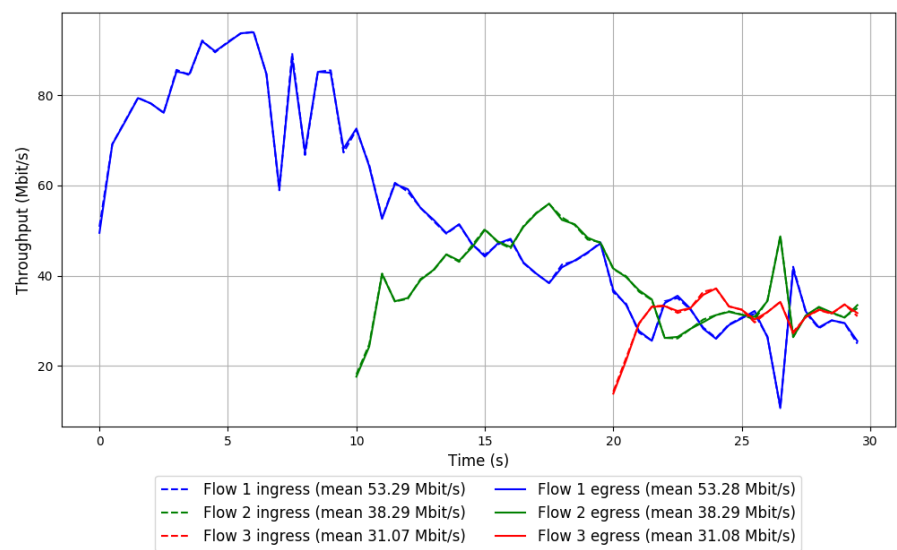


Run 8: Statistics of Copa

Start at: 2018-02-16 17:31:36
End at: 2018-02-16 17:32:06
Local clock offset: -3.23 ms
Remote clock offset: -1.573 ms

```
# Below is generated by plot.py at 2018-02-16 19:13:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 16.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 16.575 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 16.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 18.104 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

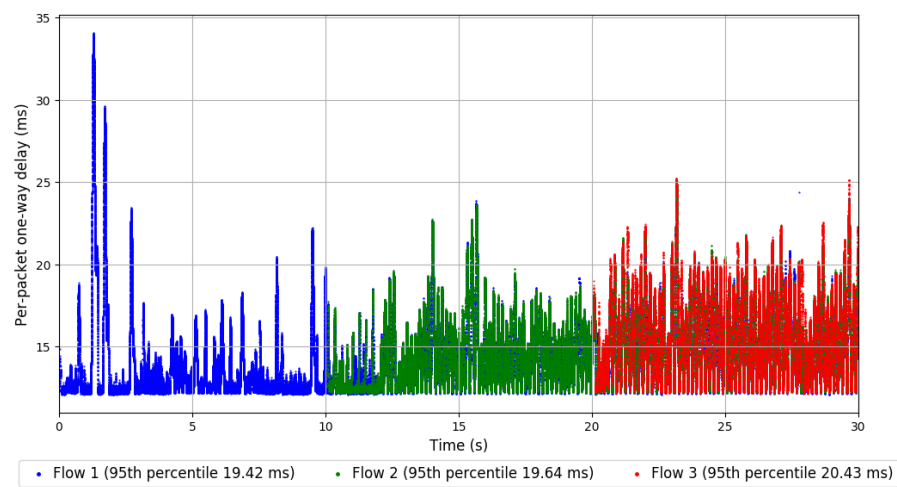
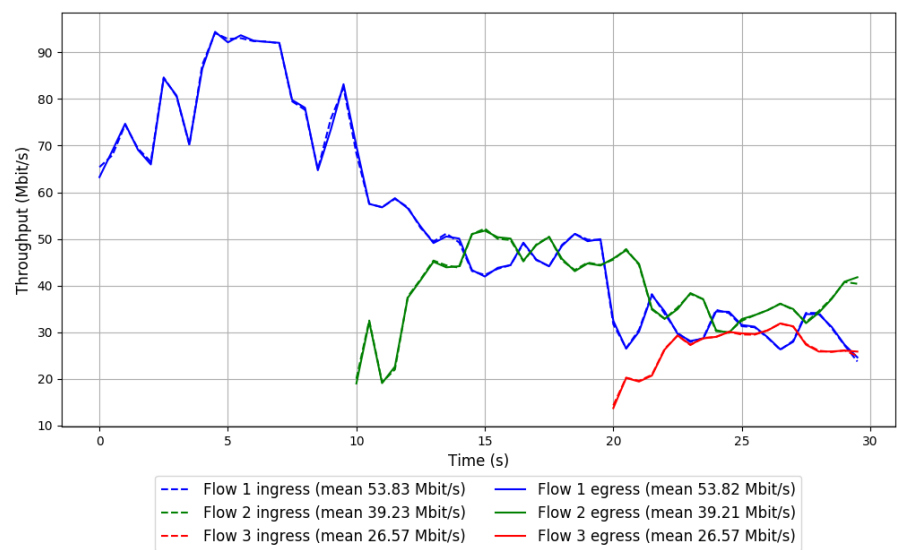


Run 9: Statistics of Copa

Start at: 2018-02-16 17:53:43
End at: 2018-02-16 17:54:13
Local clock offset: -5.813 ms
Remote clock offset: -0.889 ms

Below is generated by plot.py at 2018-02-16 19:14:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 19.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.82 Mbit/s
95th percentile per-packet one-way delay: 19.419 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 19.641 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 20.426 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

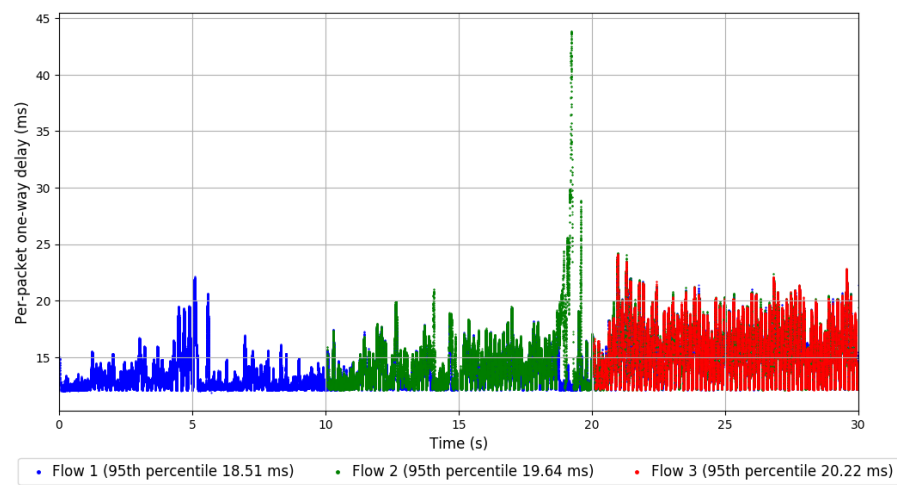
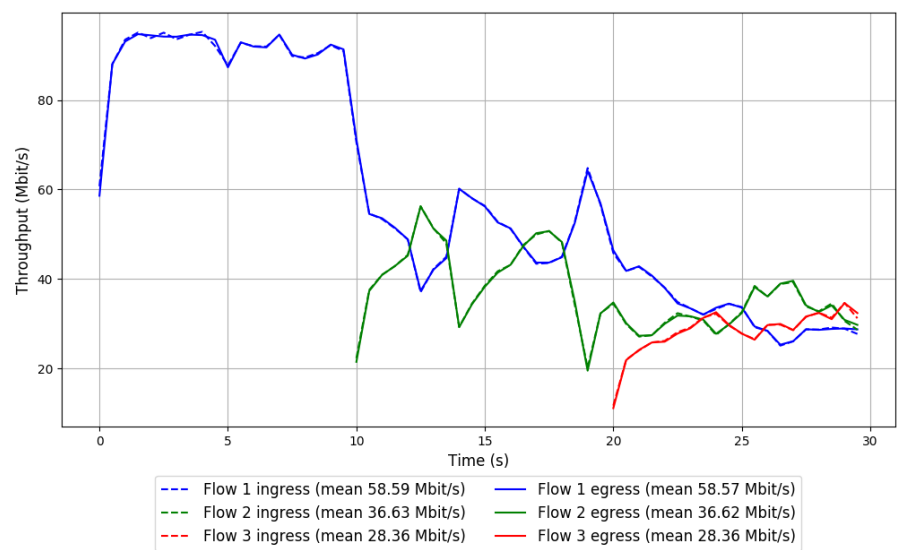


Run 10: Statistics of Copa

Start at: 2018-02-16 18:16:01
End at: 2018-02-16 18:16:31
Local clock offset: -5.947 ms
Remote clock offset: -4.777 ms

Below is generated by plot.py at 2018-02-16 19:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 19.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: 18.508 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 19.645 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 20.224 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

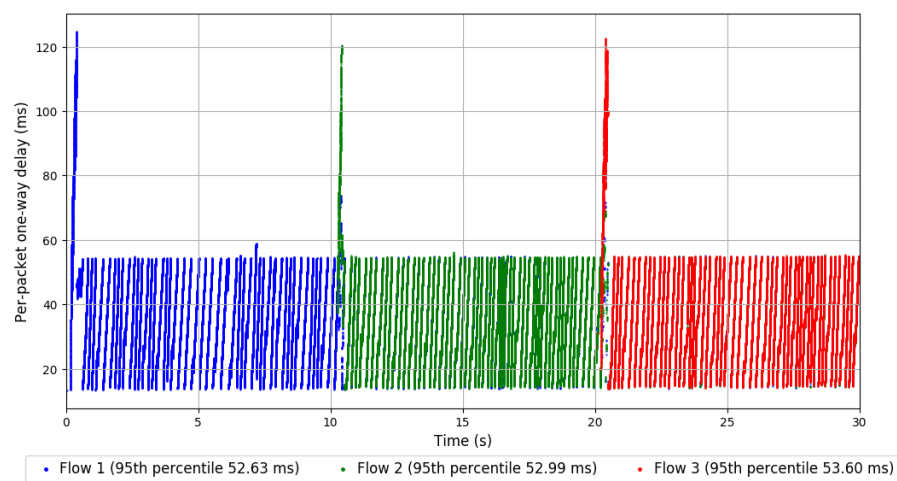
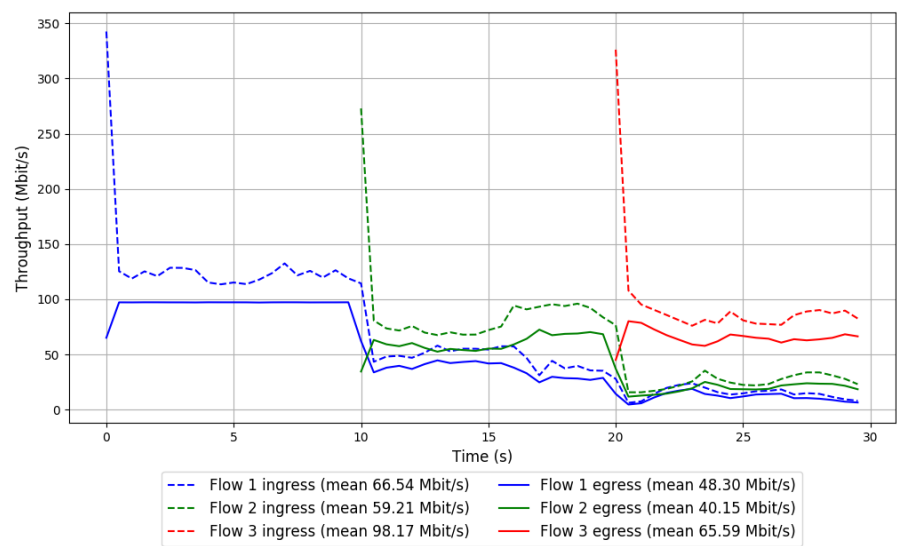


```
Run 1: Statistics of FillP

Start at: 2018-02-16 14:45:37
End at: 2018-02-16 14:46:07
Local clock offset: -6.494 ms
Remote clock offset: 2.578 ms

# Below is generated by plot.py at 2018-02-16 19:15:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 52.945 ms
Loss rate: 30.14%
-- Flow 1:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 52.634 ms
Loss rate: 27.39%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 52.994 ms
Loss rate: 32.25%
-- Flow 3:
Average throughput: 65.59 Mbit/s
95th percentile per-packet one-way delay: 53.600 ms
Loss rate: 33.21%
```

Run 1: Report of FillP — Data Link

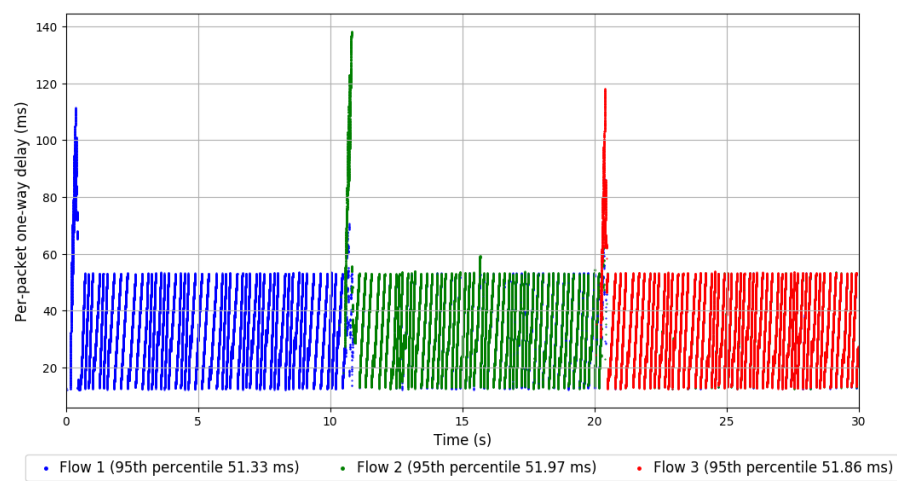
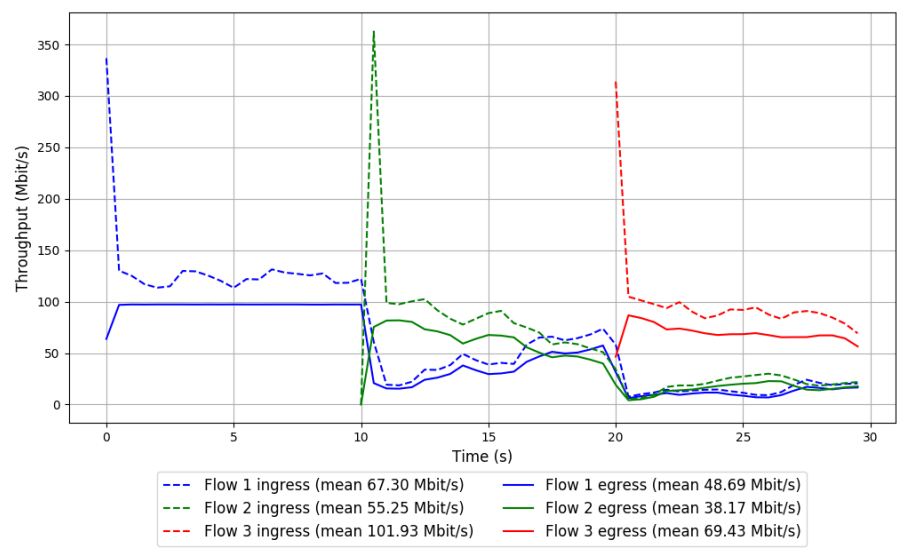


Run 2: Statistics of FillP

Start at: 2018-02-16 15:08:20
End at: 2018-02-16 15:08:50
Local clock offset: -5.628 ms
Remote clock offset: -18.75 ms

Below is generated by plot.py at 2018-02-16 19:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 51.625 ms
Loss rate: 29.83%
-- Flow 1:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 51.326 ms
Loss rate: 27.62%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 51.973 ms
Loss rate: 31.99%
-- Flow 3:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 51.861 ms
Loss rate: 31.86%

Run 2: Report of FillP — Data Link

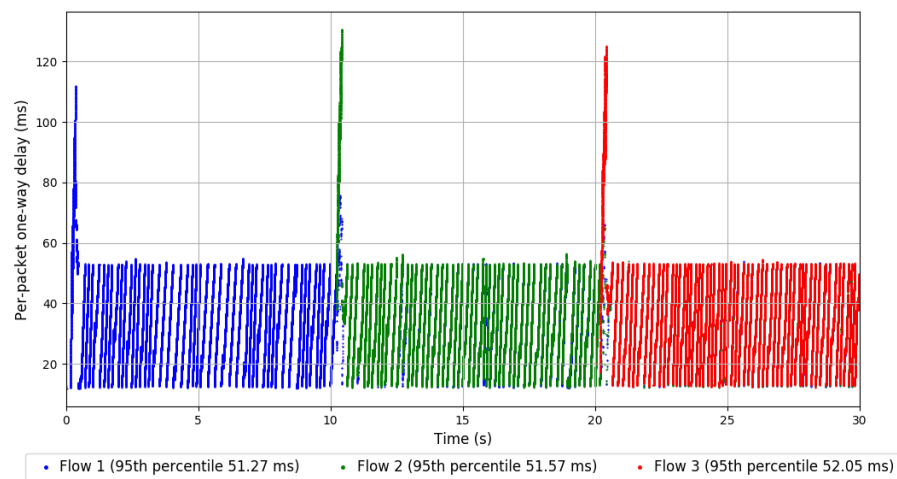
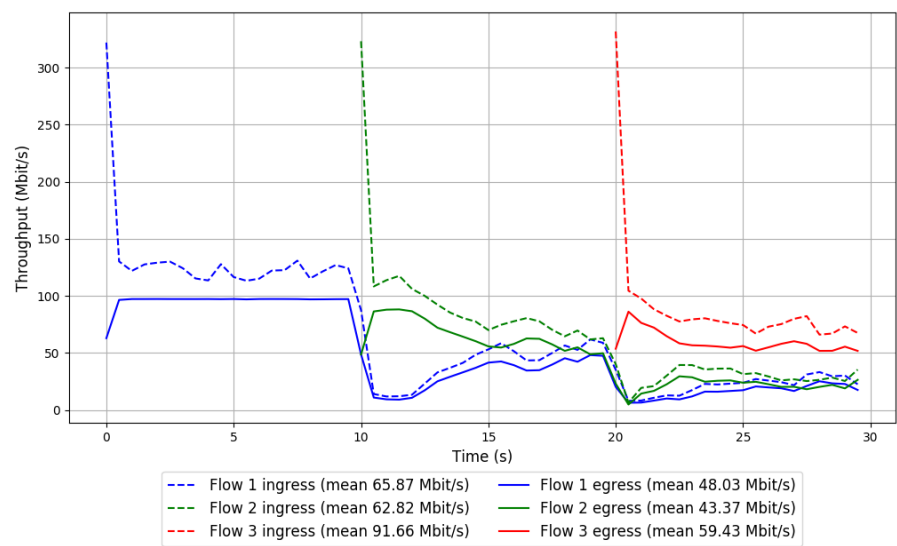


Run 3: Statistics of FillP

Start at: 2018-02-16 15:31:21
End at: 2018-02-16 15:31:51
Local clock offset: -1.516 ms
Remote clock offset: -8.612 ms

Below is generated by plot.py at 2018-02-16 19:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 51.499 ms
Loss rate: 29.92%
-- Flow 1:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 51.266 ms
Loss rate: 27.00%
-- Flow 2:
Average throughput: 43.37 Mbit/s
95th percentile per-packet one-way delay: 51.566 ms
Loss rate: 30.86%
-- Flow 3:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 52.054 ms
Loss rate: 34.97%

Run 3: Report of FillP — Data Link

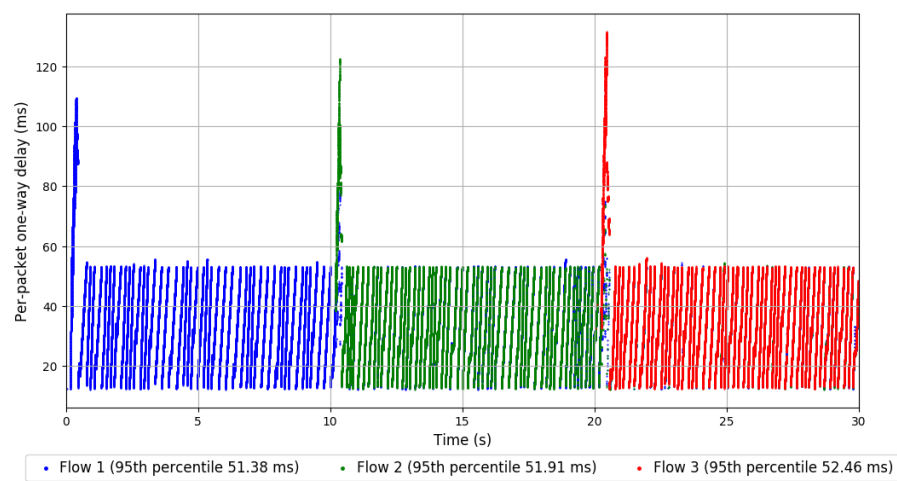
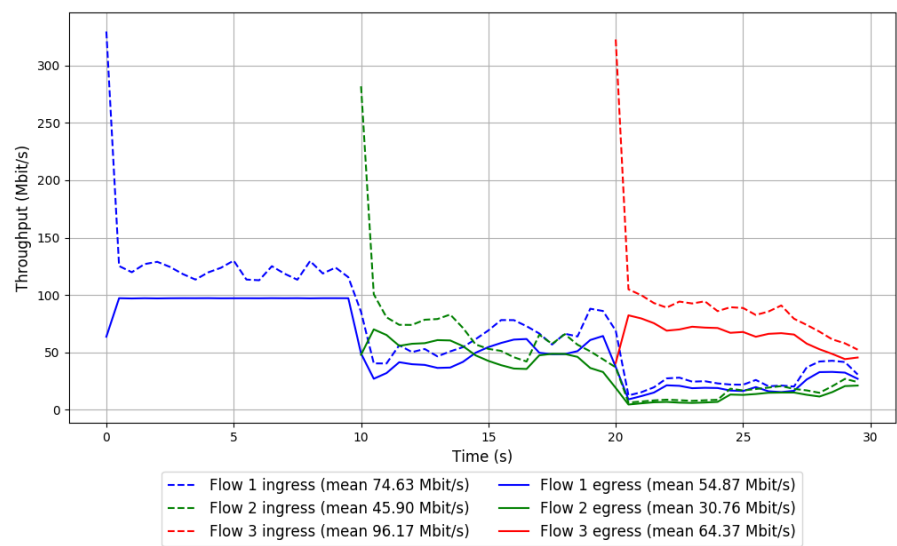


Run 4: Statistics of FillP

Start at: 2018-02-16 15:54:34
End at: 2018-02-16 15:55:04
Local clock offset: 1.862 ms
Remote clock offset: -6.078 ms

Below is generated by plot.py at 2018-02-16 19:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 51.728 ms
Loss rate: 29.36%
-- Flow 1:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 51.385 ms
Loss rate: 26.39%
-- Flow 2:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 51.905 ms
Loss rate: 32.87%
-- Flow 3:
Average throughput: 64.37 Mbit/s
95th percentile per-packet one-way delay: 52.457 ms
Loss rate: 32.96%

Run 4: Report of FillP — Data Link

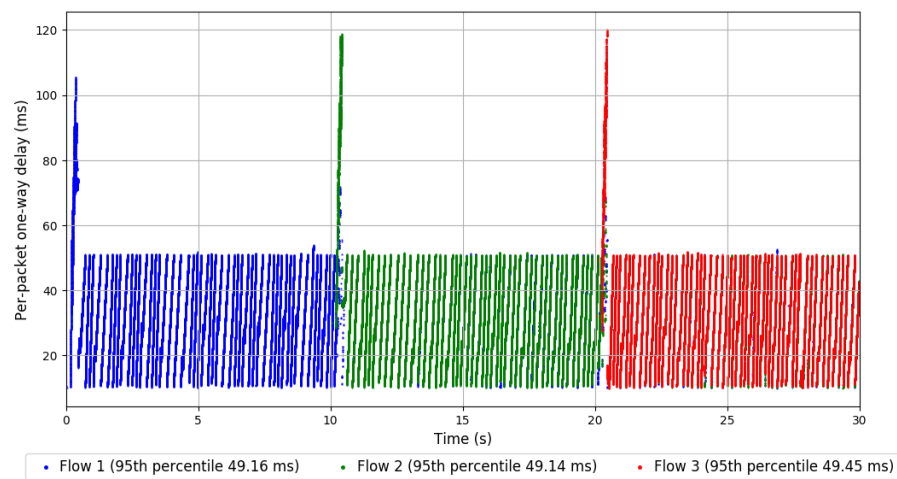
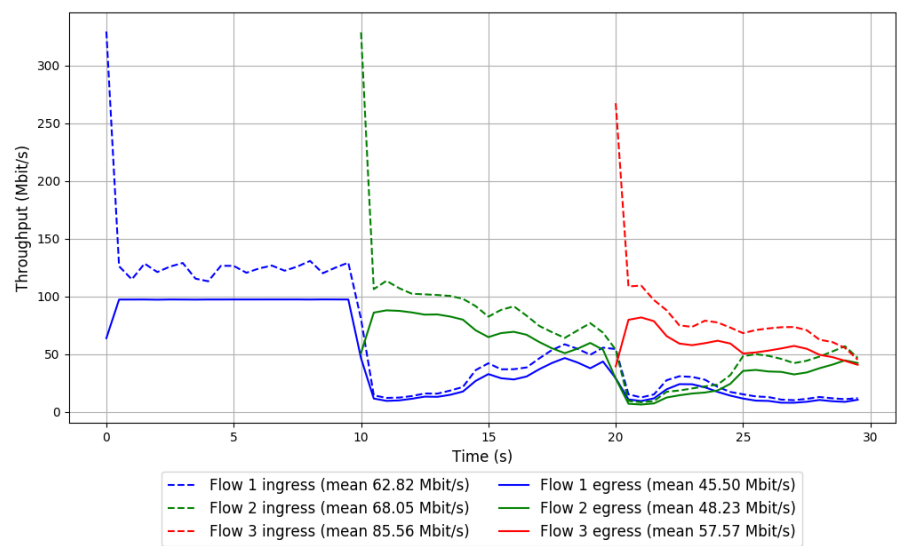


Run 5: Statistics of FillP

Start at: 2018-02-16 16:19:24
End at: 2018-02-16 16:19:54
Local clock offset: -3.342 ms
Remote clock offset: -5.887 ms

Below is generated by plot.py at 2018-02-16 19:15:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 49.209 ms
Loss rate: 29.08%
-- Flow 1:
Average throughput: 45.50 Mbit/s
95th percentile per-packet one-way delay: 49.160 ms
Loss rate: 27.49%
-- Flow 2:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 49.138 ms
Loss rate: 29.04%
-- Flow 3:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 49.455 ms
Loss rate: 32.65%

Run 5: Report of FillP — Data Link

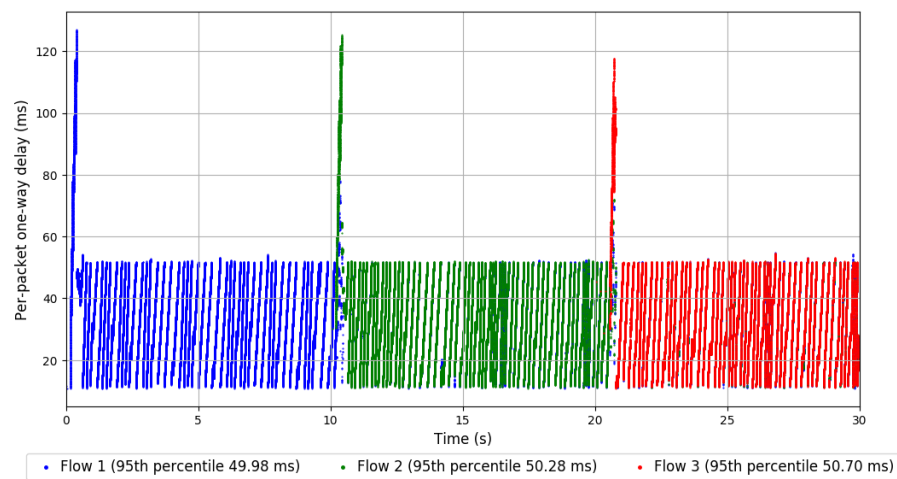
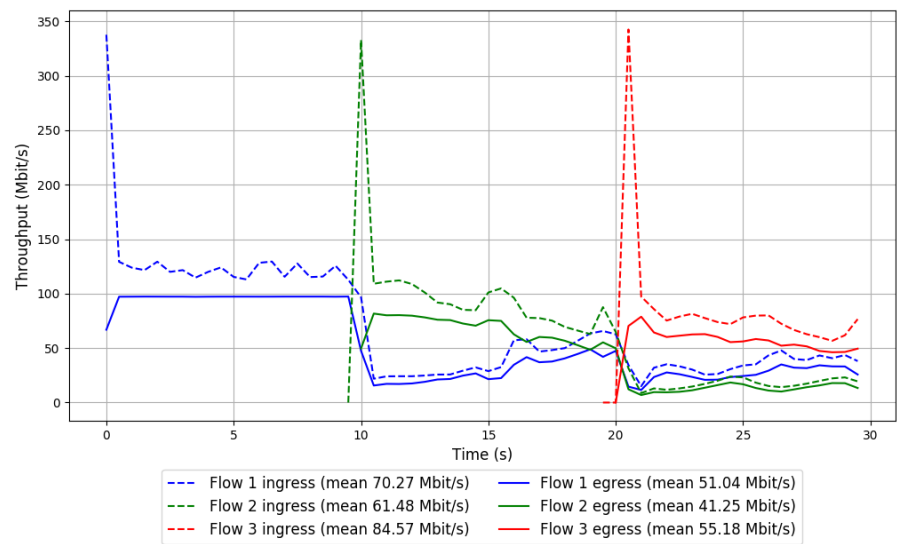


Run 6: Statistics of FillP

Start at: 2018-02-16 16:42:23
End at: 2018-02-16 16:42:53
Local clock offset: -1.013 ms
Remote clock offset: -2.491 ms

Below is generated by plot.py at 2018-02-16 19:15:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 50.192 ms
Loss rate: 30.48%
-- Flow 1:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 49.975 ms
Loss rate: 27.33%
-- Flow 2:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 50.280 ms
Loss rate: 32.89%
-- Flow 3:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 34.86%

Run 6: Report of FillP — Data Link

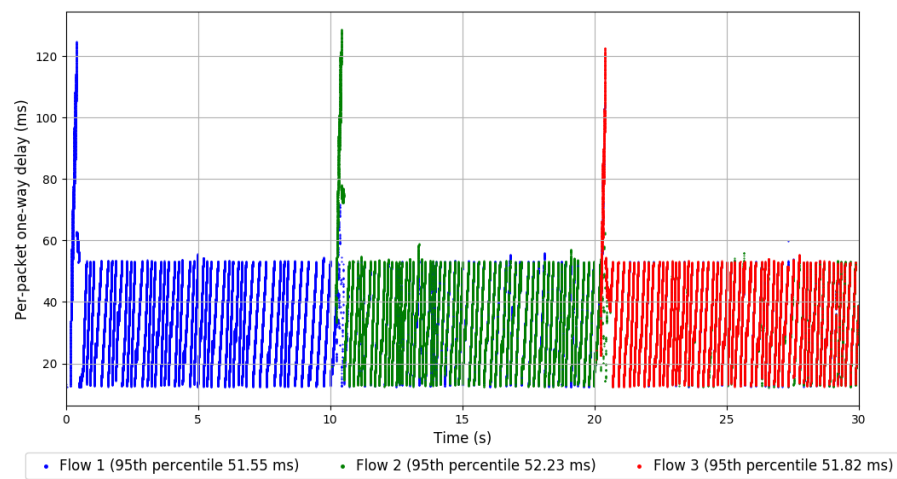
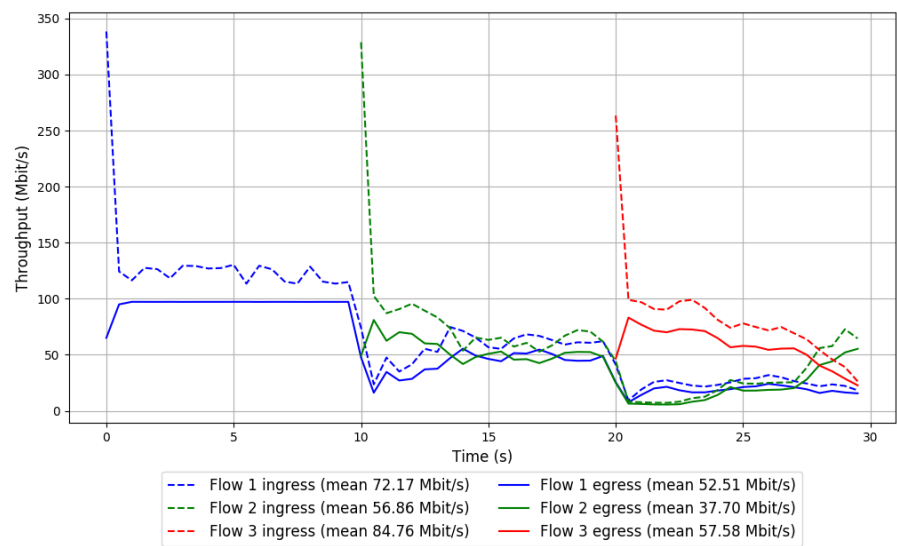


Run 7: Statistics of FillP

Start at: 2018-02-16 17:05:30
End at: 2018-02-16 17:06:00
Local clock offset: -2.301 ms
Remote clock offset: -2.663 ms

Below is generated by plot.py at 2018-02-16 19:16:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 51.782 ms
Loss rate: 29.91%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 51.553 ms
Loss rate: 27.17%
-- Flow 2:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 52.229 ms
Loss rate: 33.64%
-- Flow 3:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 51.816 ms
Loss rate: 31.95%

Run 7: Report of FillP — Data Link

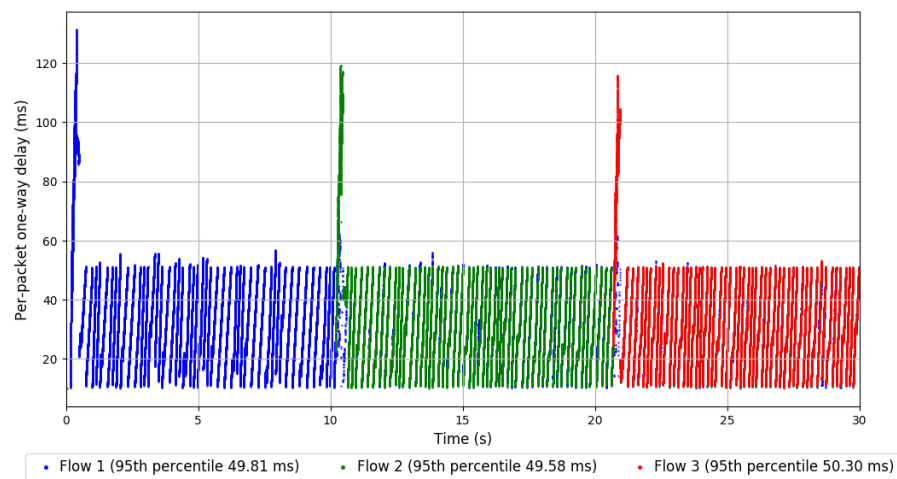
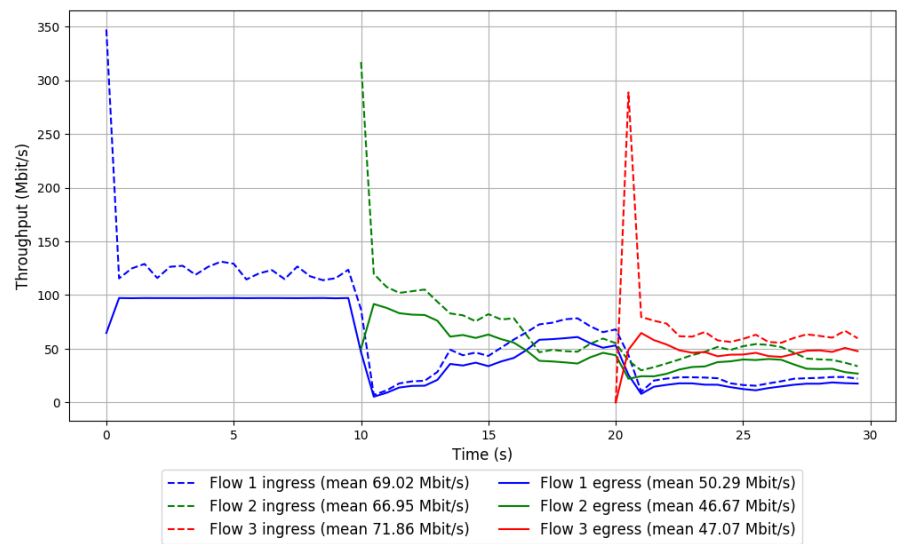


Run 8: Statistics of FillP

Start at: 2018-02-16 17:27:49
End at: 2018-02-16 17:28:19
Local clock offset: -3.62 ms
Remote clock offset: -2.013 ms

Below is generated by plot.py at 2018-02-16 19:16:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 49.813 ms
Loss rate: 29.59%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 49.814 ms
Loss rate: 27.09%
-- Flow 2:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 49.577 ms
Loss rate: 30.26%
-- Flow 3:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 50.297 ms
Loss rate: 35.57%

Run 8: Report of FillP — Data Link

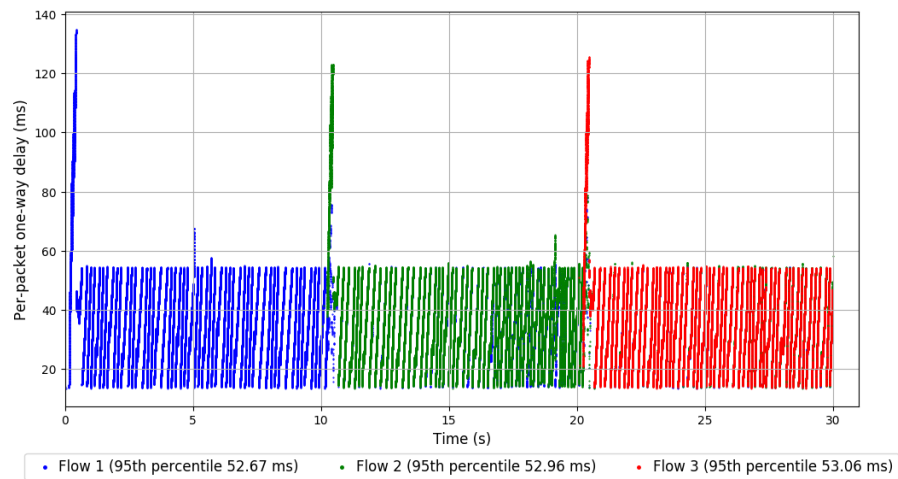
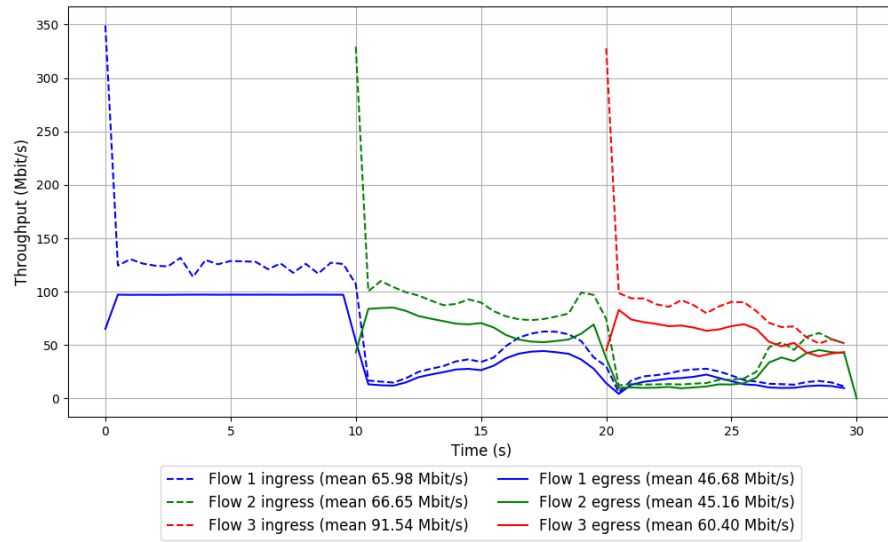


Run 9: Statistics of FillP

Start at: 2018-02-16 17:50:04
End at: 2018-02-16 17:50:34
Local clock offset: -6.379 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-02-16 19:16:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 52.835 ms
Loss rate: 31.17%
-- Flow 1:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 52.667 ms
Loss rate: 29.17%
-- Flow 2:
Average throughput: 45.16 Mbit/s
95th percentile per-packet one-way delay: 52.959 ms
Loss rate: 32.17%
-- Flow 3:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 53.060 ms
Loss rate: 34.05%

Run 9: Report of FillP — Data Link

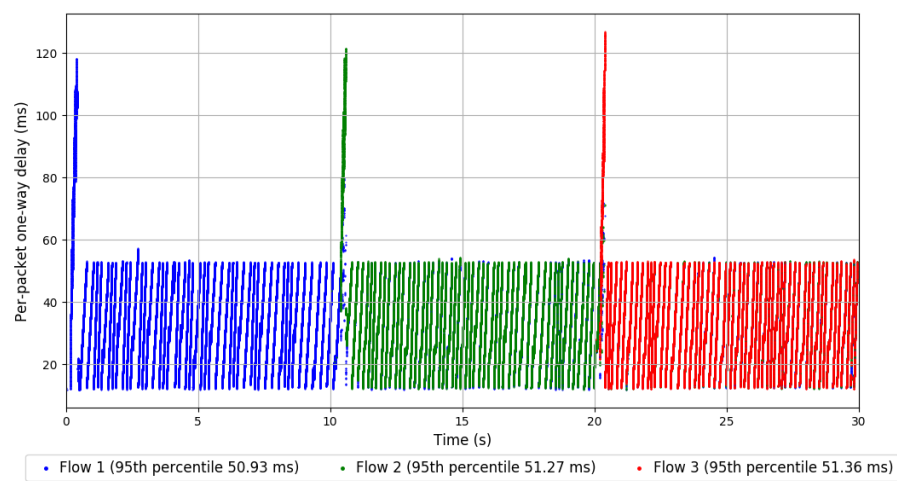
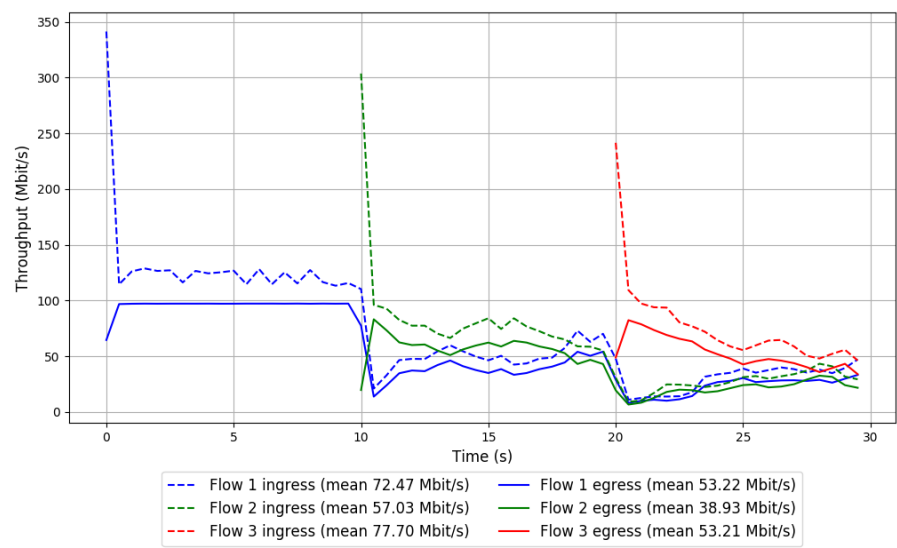


Run 10: Statistics of FillP

Start at: 2018-02-16 18:12:23
End at: 2018-02-16 18:12:53
Local clock offset: -4.885 ms
Remote clock offset: -3.067 ms

Below is generated by plot.py at 2018-02-16 19:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 51.093 ms
Loss rate: 28.99%
-- Flow 1:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 50.926 ms
Loss rate: 26.57%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 51.273 ms
Loss rate: 31.84%
-- Flow 3:
Average throughput: 53.21 Mbit/s
95th percentile per-packet one-way delay: 51.357 ms
Loss rate: 31.63%

Run 10: Report of FillP — Data Link

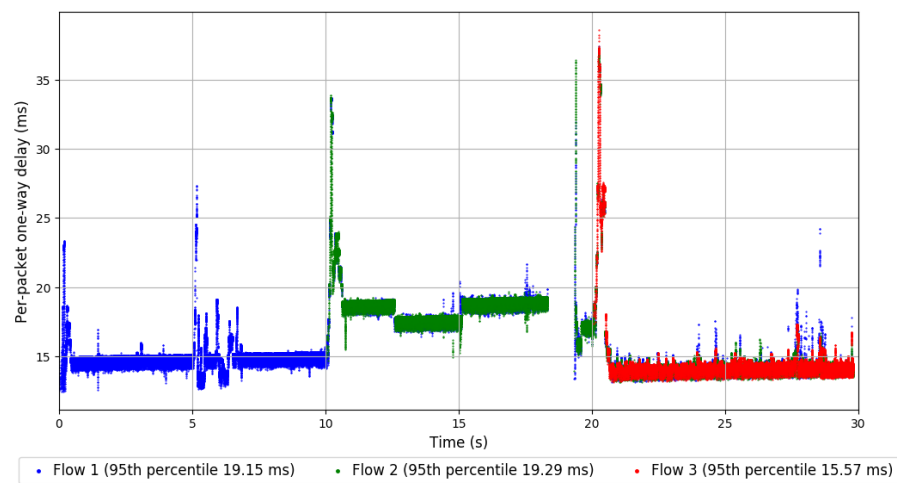
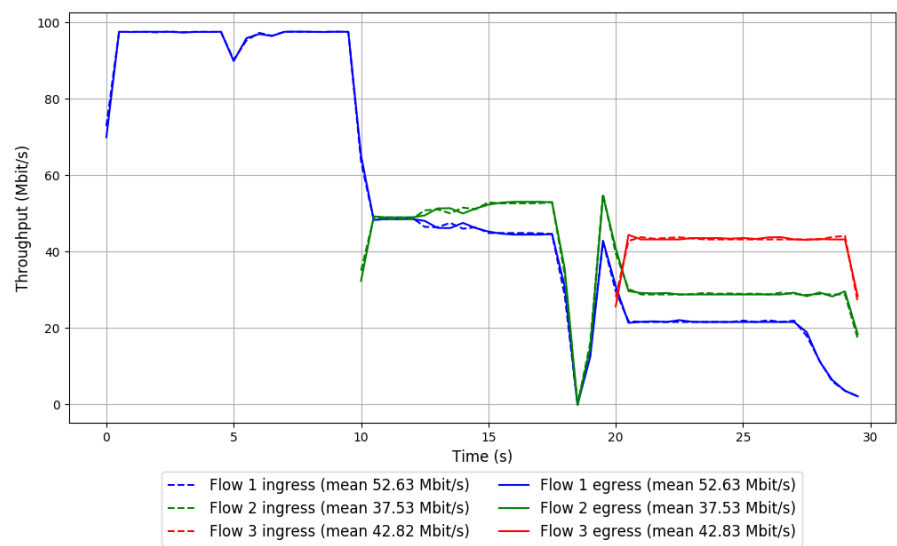


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 14:43:09
End at: 2018-02-16 14:43:39
Local clock offset: -6.554 ms
Remote clock offset: 6.611 ms

# Below is generated by plot.py at 2018-02-16 19:16:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 15.566 ms
Loss rate: 0.01%
```

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

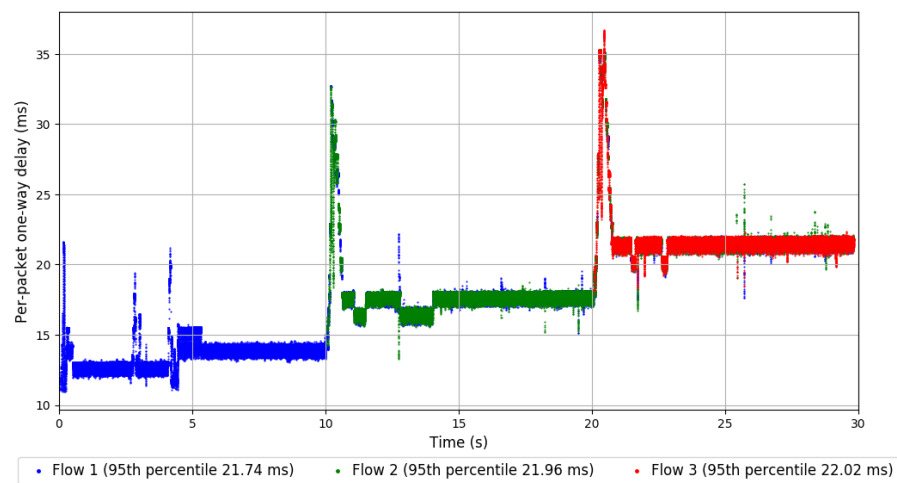
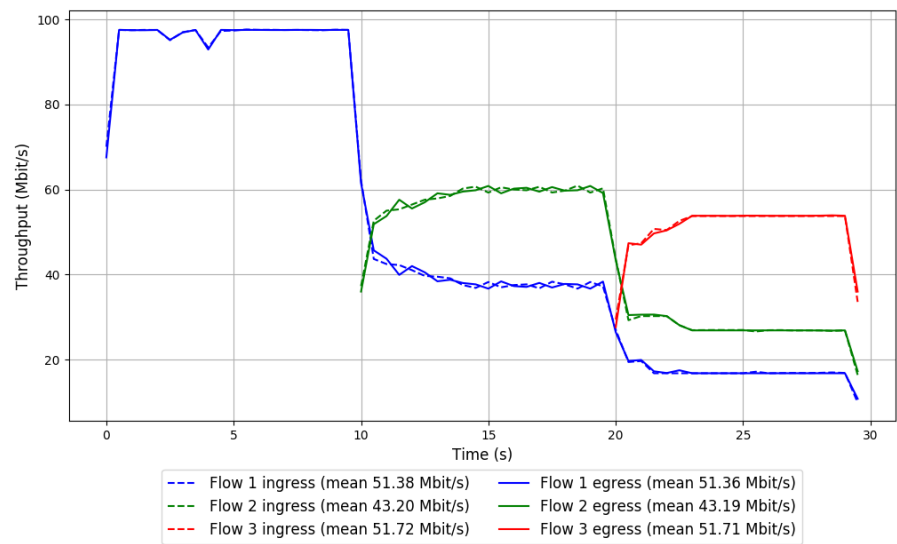


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 15:05:52
End at: 2018-02-16 15:06:22
Local clock offset: -4.573 ms
Remote clock offset: -17.57 ms

Below is generated by plot.py at 2018-02-16 19:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 21.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 21.744 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 21.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 22.015 ms
Loss rate: 0.00%

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

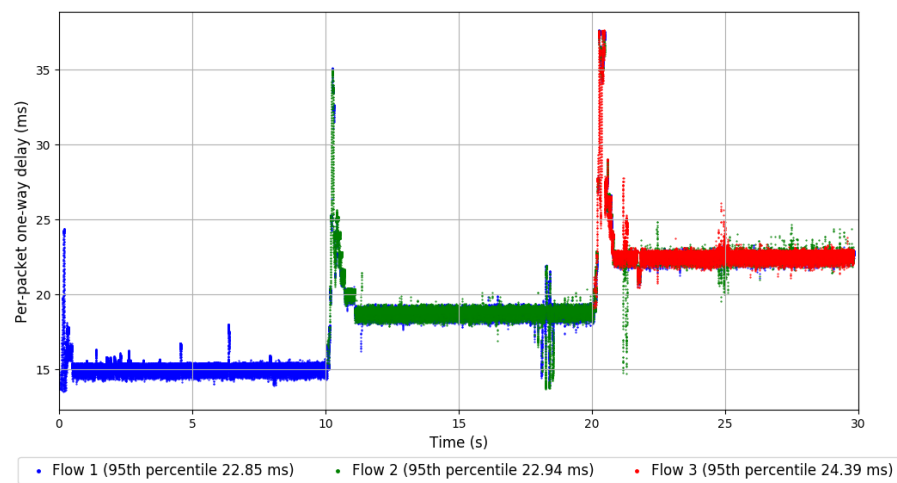
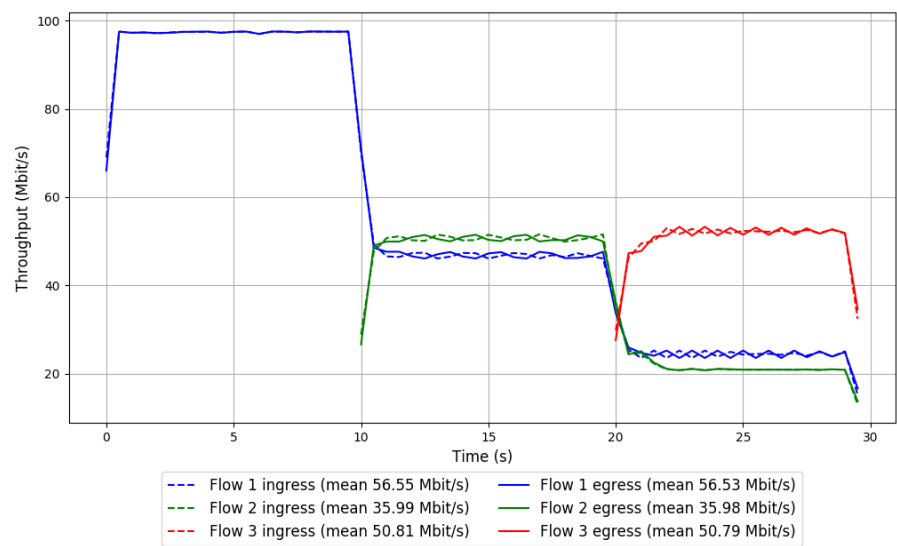


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 15:28:56
End at: 2018-02-16 15:29:26
Local clock offset: -3.34 ms
Remote clock offset: -7.777 ms

Below is generated by plot.py at 2018-02-16 19:16:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 22.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 22.854 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 22.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.79 Mbit/s
95th percentile per-packet one-way delay: 24.394 ms
Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 15:51:54

End at: 2018-02-16 15:52:24

Local clock offset: 5.492 ms

Remote clock offset: -5.91 ms

Below is generated by plot.py at 2018-02-16 19:16:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 18.960 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.40 Mbit/s

95th percentile per-packet one-way delay: 18.769 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.83 Mbit/s

95th percentile per-packet one-way delay: 19.073 ms

Loss rate: 0.00%

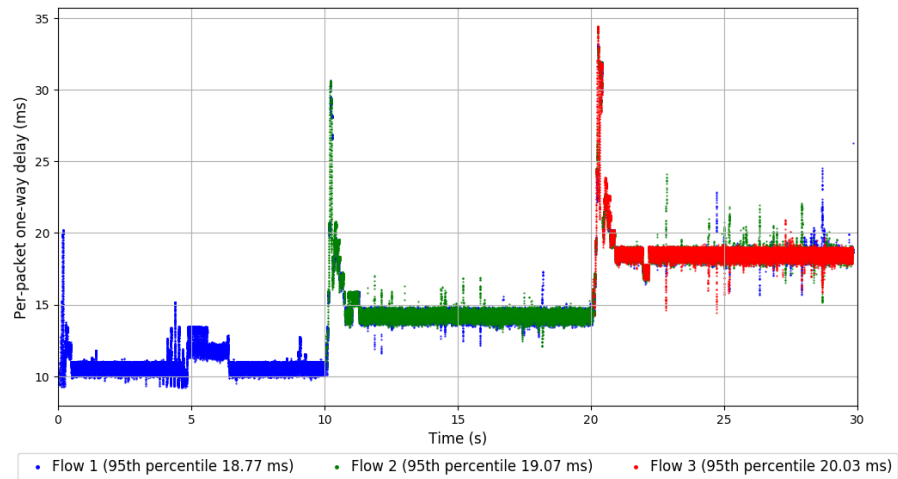
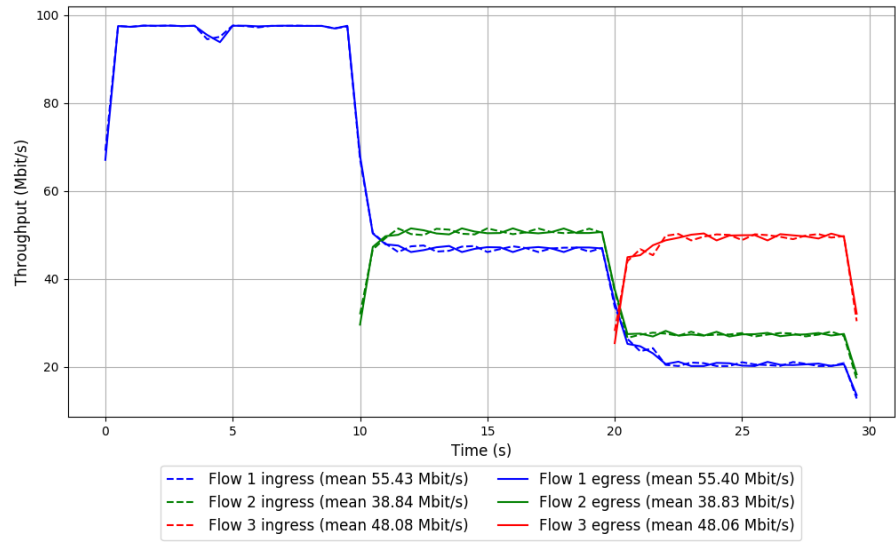
-- Flow 3:

Average throughput: 48.06 Mbit/s

95th percentile per-packet one-way delay: 20.028 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 16:16:55

End at: 2018-02-16 16:17:25

Local clock offset: -2.334 ms

Remote clock offset: -6.93 ms

Below is generated by plot.py at 2018-02-16 19:17:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.94 Mbit/s

95th percentile per-packet one-way delay: 16.677 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.50 Mbit/s

95th percentile per-packet one-way delay: 16.535 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.16 Mbit/s

95th percentile per-packet one-way delay: 17.525 ms

Loss rate: 0.00%

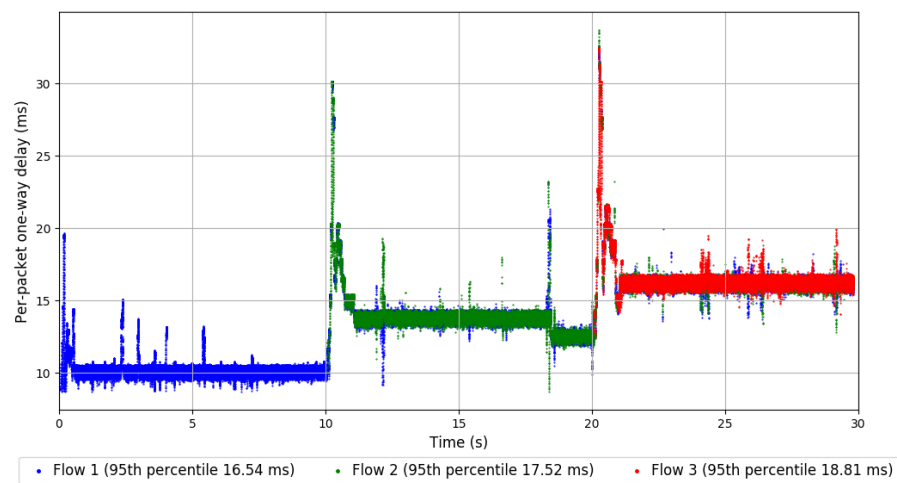
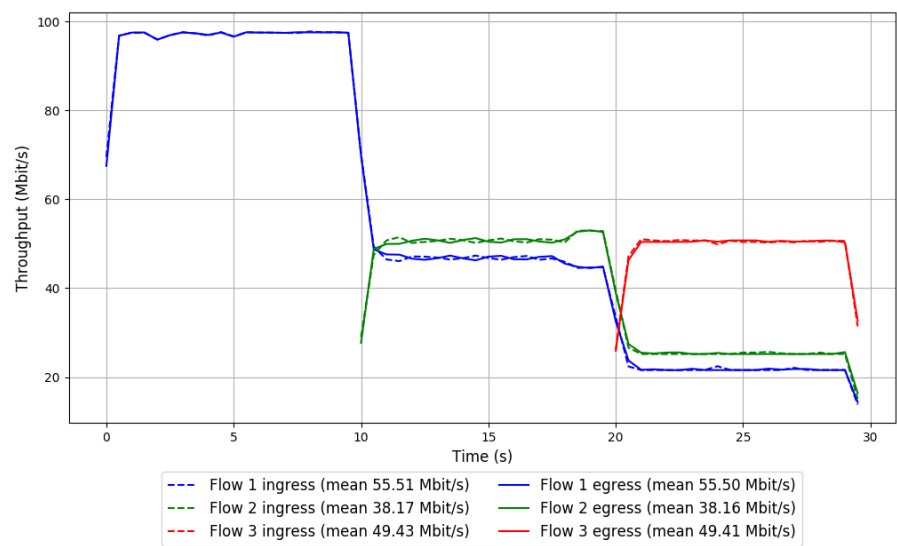
-- Flow 3:

Average throughput: 49.41 Mbit/s

95th percentile per-packet one-way delay: 18.814 ms

Loss rate: 0.00%

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

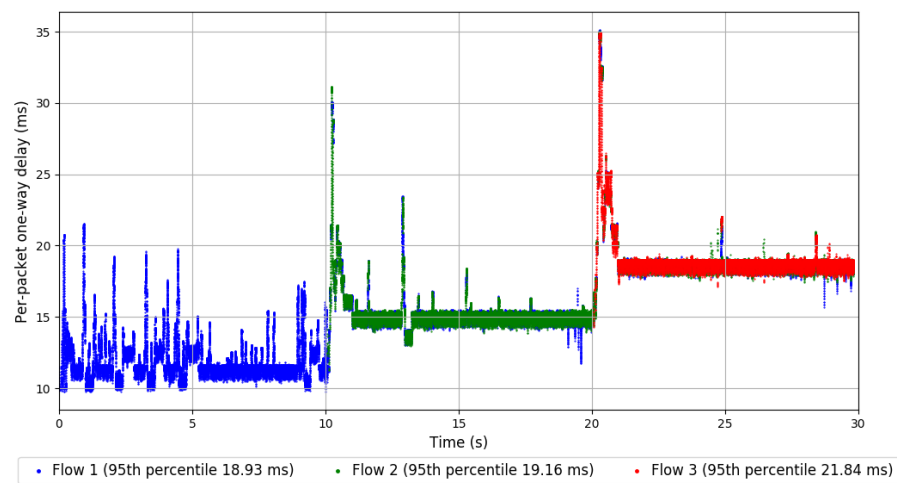
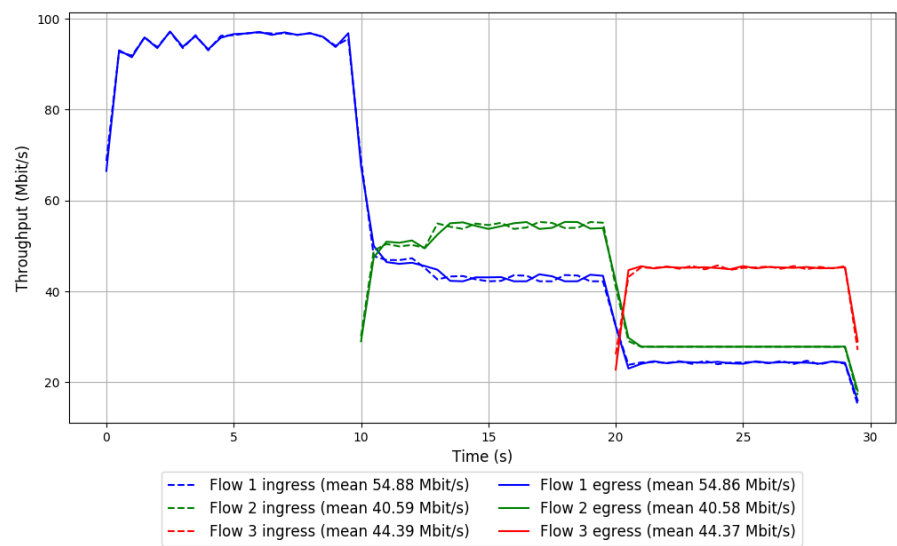


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 16:39:57
End at: 2018-02-16 16:40:27
Local clock offset: -0.897 ms
Remote clock offset: -3.106 ms

Below is generated by plot.py at 2018-02-16 19:17:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 19.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 18.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 19.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 21.842 ms
Loss rate: 0.00%

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

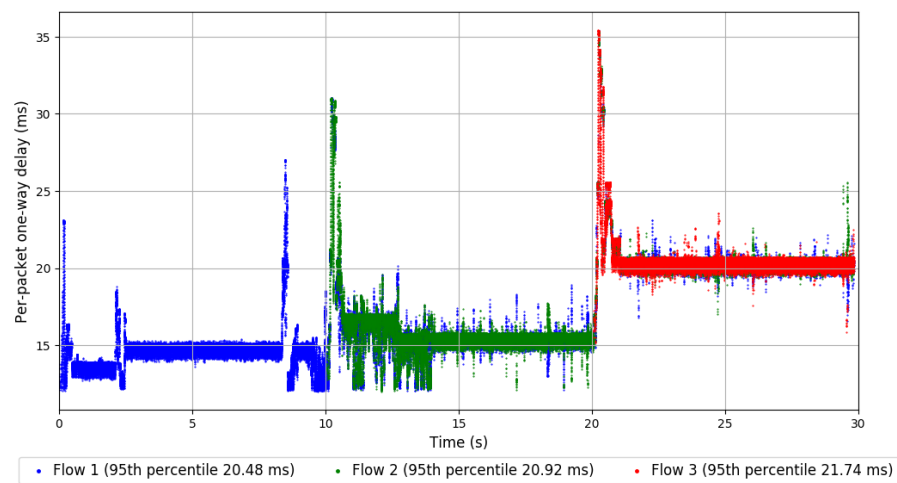
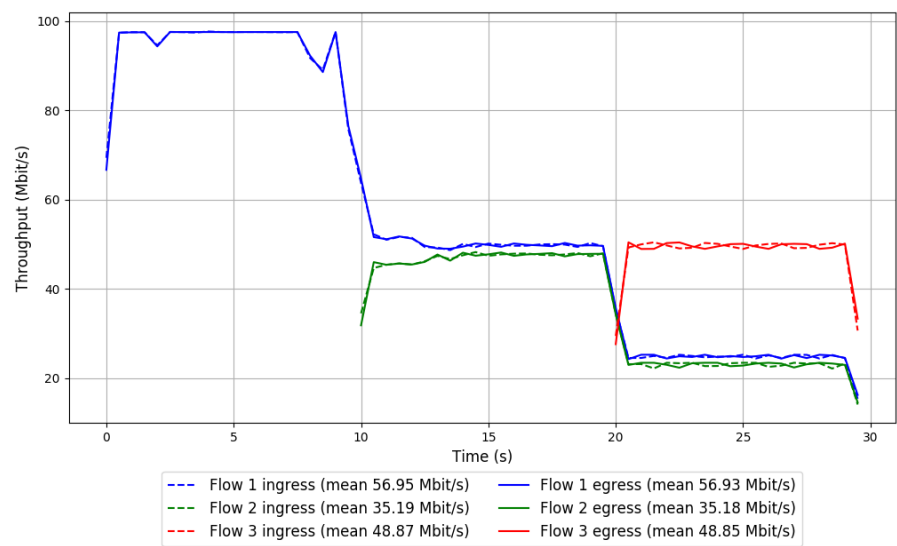


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 17:02:59
End at: 2018-02-16 17:03:29
Local clock offset: -0.569 ms
Remote clock offset: -1.374 ms

Below is generated by plot.py at 2018-02-16 19:17:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 20.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 20.477 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 20.918 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 21.739 ms
Loss rate: 0.00%

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

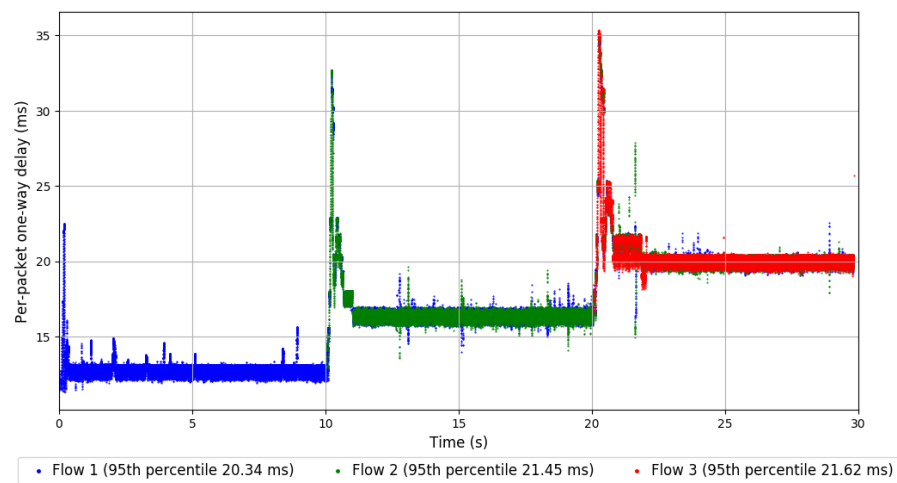
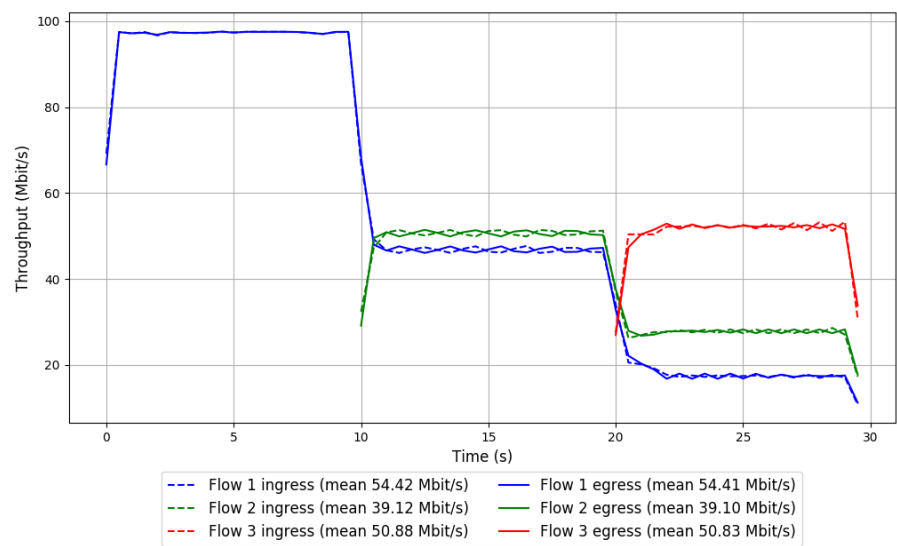


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 17:25:29
End at: 2018-02-16 17:25:59
Local clock offset: -4.179 ms
Remote clock offset: -1.922 ms

Below is generated by plot.py at 2018-02-16 19:17:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 21.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.41 Mbit/s
95th percentile per-packet one-way delay: 20.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 21.447 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 21.624 ms
Loss rate: 0.00%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 17:47:43

End at: 2018-02-16 17:48:13

Local clock offset: -4.105 ms

Remote clock offset: -0.86 ms

Below is generated by plot.py at 2018-02-16 19:18:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 20.807 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.53 Mbit/s

95th percentile per-packet one-way delay: 19.784 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.24 Mbit/s

95th percentile per-packet one-way delay: 19.914 ms

Loss rate: 0.00%

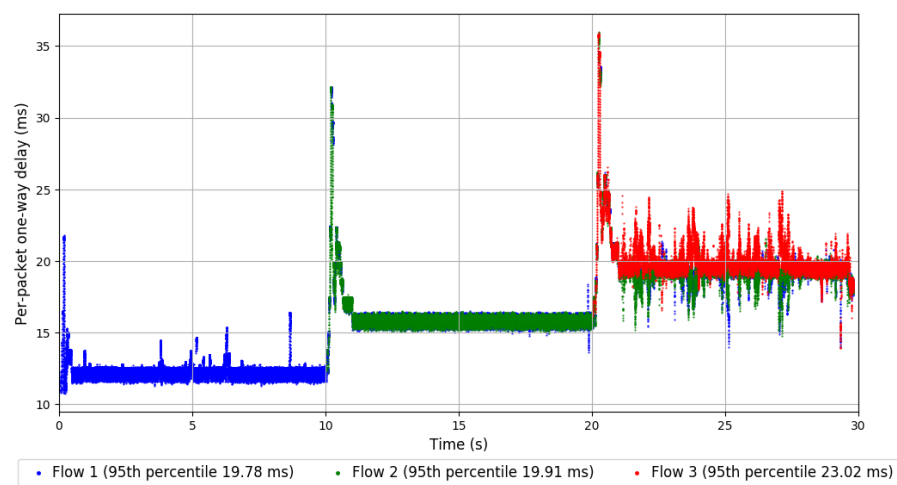
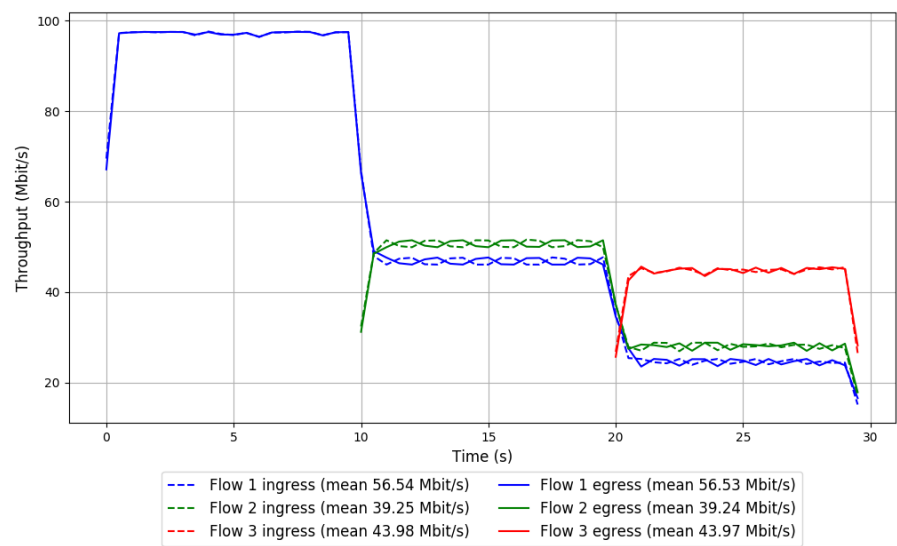
-- Flow 3:

Average throughput: 43.97 Mbit/s

95th percentile per-packet one-way delay: 23.021 ms

Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 18:09:59

End at: 2018-02-16 18:10:29

Local clock offset: -5.452 ms

Remote clock offset: -2.58 ms

Below is generated by plot.py at 2018-02-16 19:18:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.74 Mbit/s

95th percentile per-packet one-way delay: 20.688 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 20.379 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.19 Mbit/s

95th percentile per-packet one-way delay: 21.859 ms

Loss rate: 0.00%

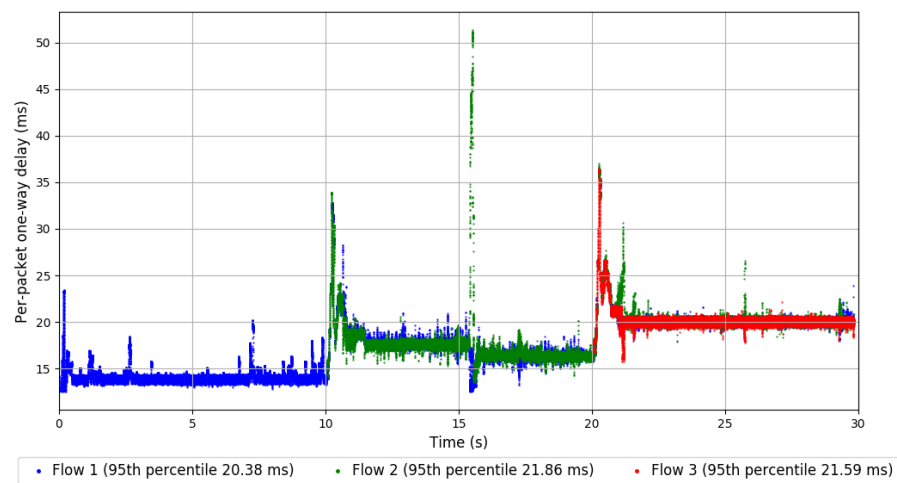
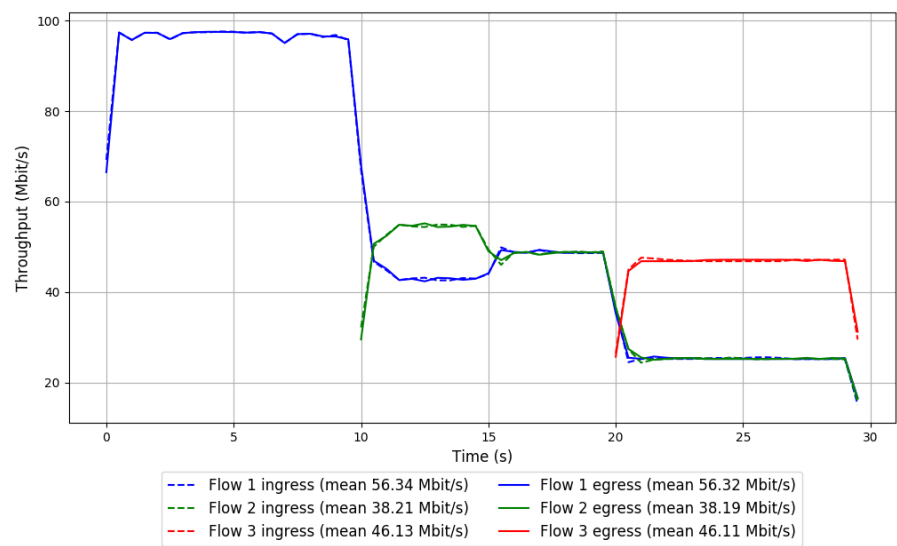
-- Flow 3:

Average throughput: 46.11 Mbit/s

95th percentile per-packet one-way delay: 21.588 ms

Loss rate: 0.00%

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

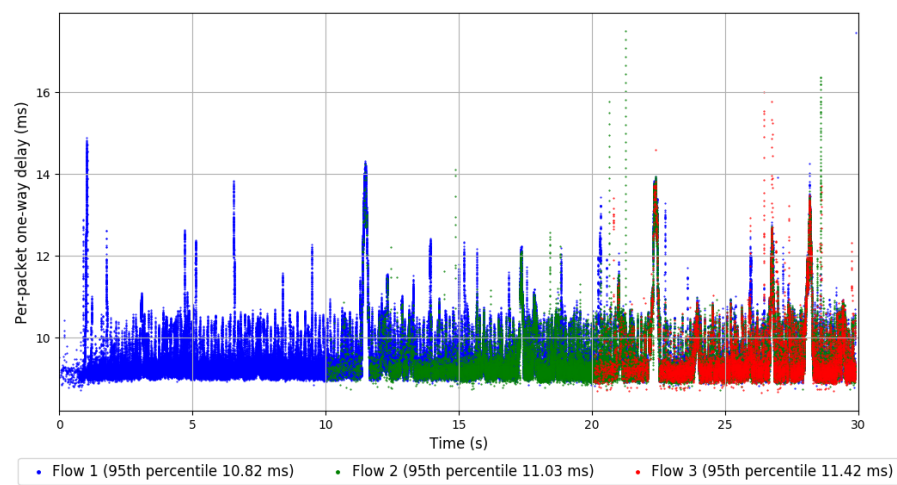
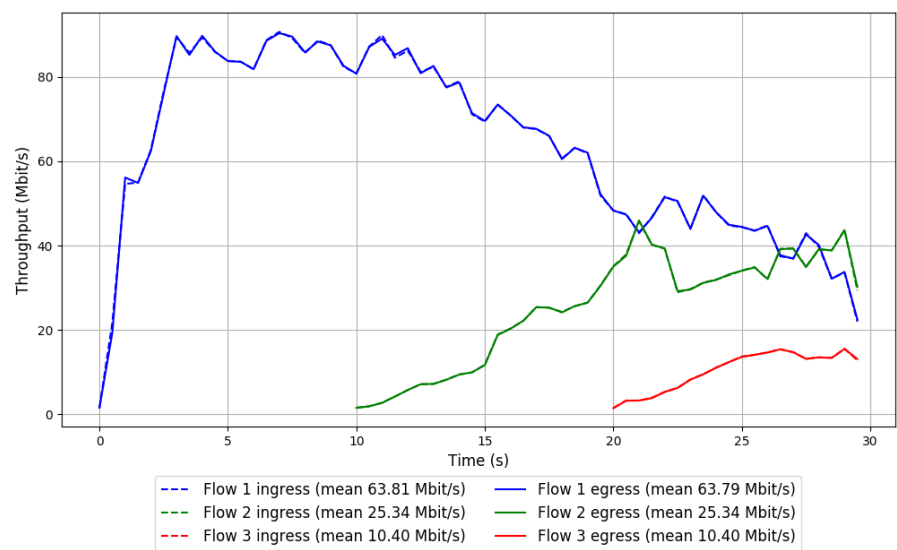


Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 14:33:07
End at: 2018-02-16 14:33:37
Local clock offset: -2.361 ms
Remote clock offset: 31.912 ms

Below is generated by plot.py at 2018-02-16 19:18:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.06 Mbit/s
95th percentile per-packet one-way delay: 10.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.79 Mbit/s
95th percentile per-packet one-way delay: 10.817 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 11.032 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 11.418 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

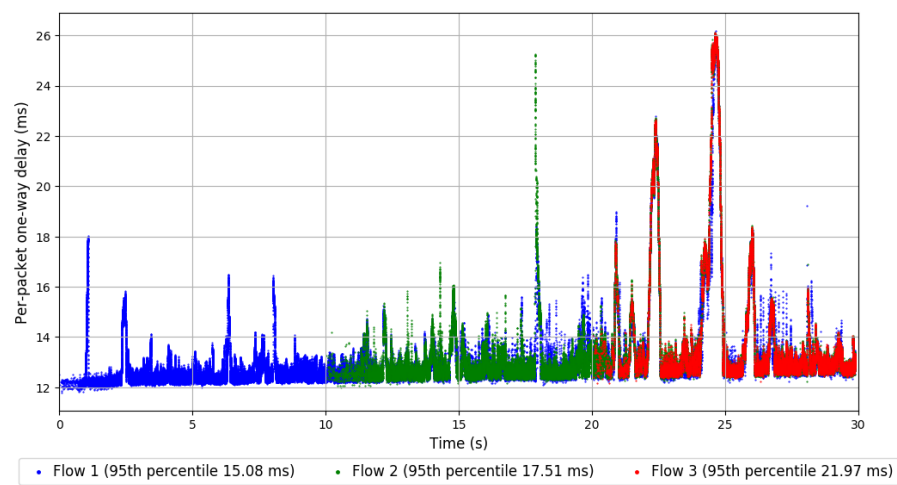
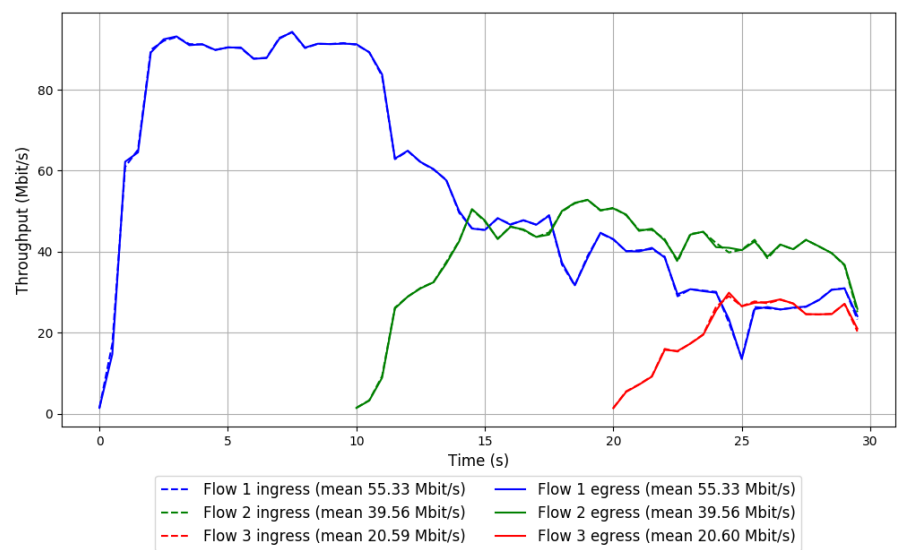


Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 14:55:43
End at: 2018-02-16 14:56:13
Local clock offset: -5.783 ms
Remote clock offset: -10.561 ms

Below is generated by plot.py at 2018-02-16 19:18:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 16.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.33 Mbit/s
95th percentile per-packet one-way delay: 15.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 17.511 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 21.969 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

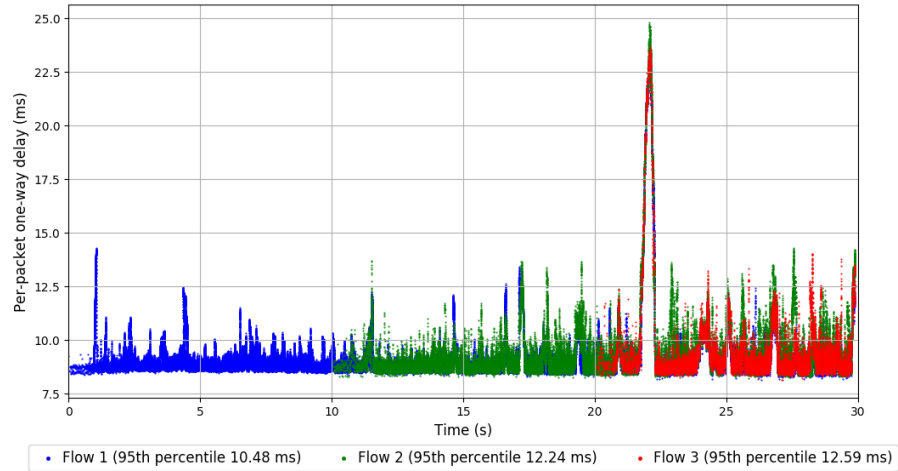
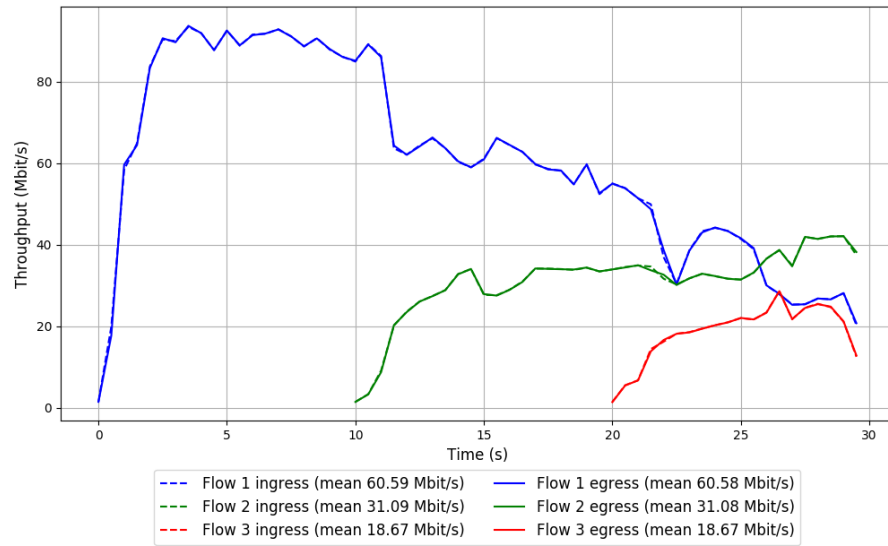


Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 15:18:40
End at: 2018-02-16 15:19:10
Local clock offset: -2.937 ms
Remote clock offset: -10.967 ms

Below is generated by plot.py at 2018-02-16 19:19:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 11.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.58 Mbit/s
95th percentile per-packet one-way delay: 10.476 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 12.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 12.585 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link

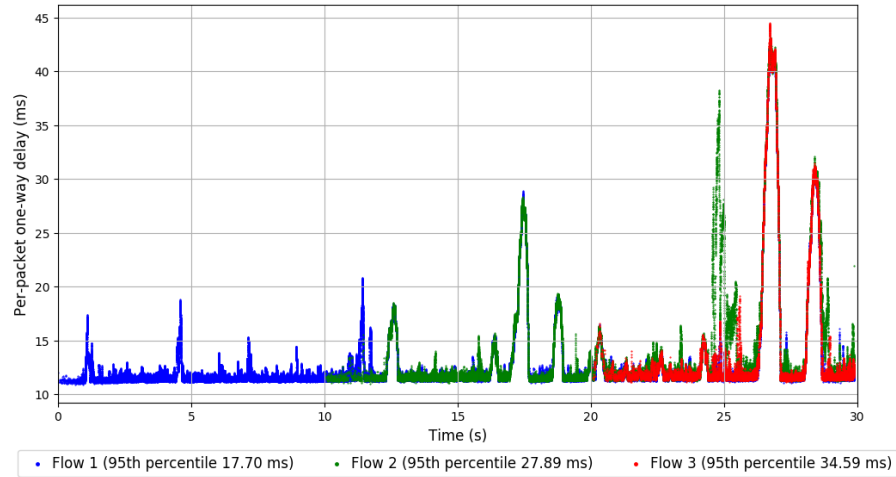
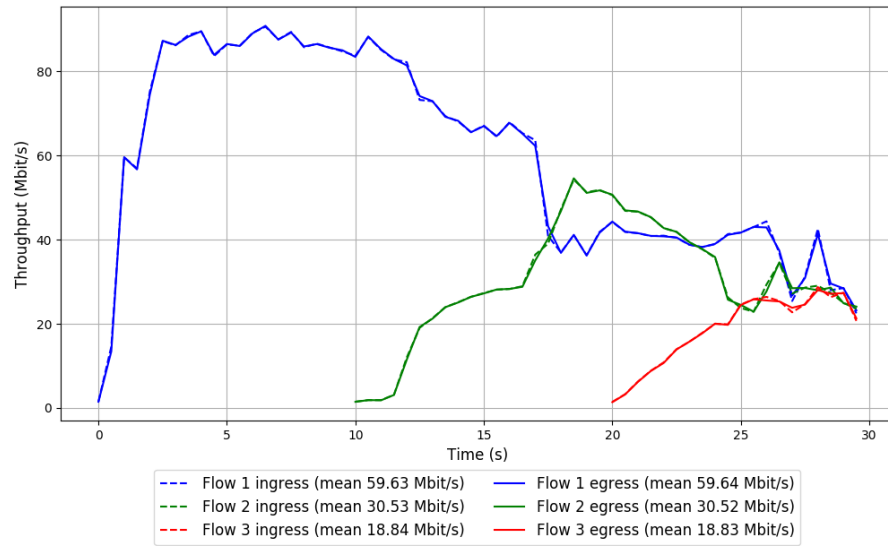


Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 15:41:37
End at: 2018-02-16 15:42:07
Local clock offset: 2.859 ms
Remote clock offset: -8.839 ms

```
# Below is generated by plot.py at 2018-02-16 19:19:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 23.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 17.705 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 27.886 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.83 Mbit/s
95th percentile per-packet one-way delay: 34.593 ms
Loss rate: 0.02%
```


Run 4: Report of Vivace-latency — Data Link

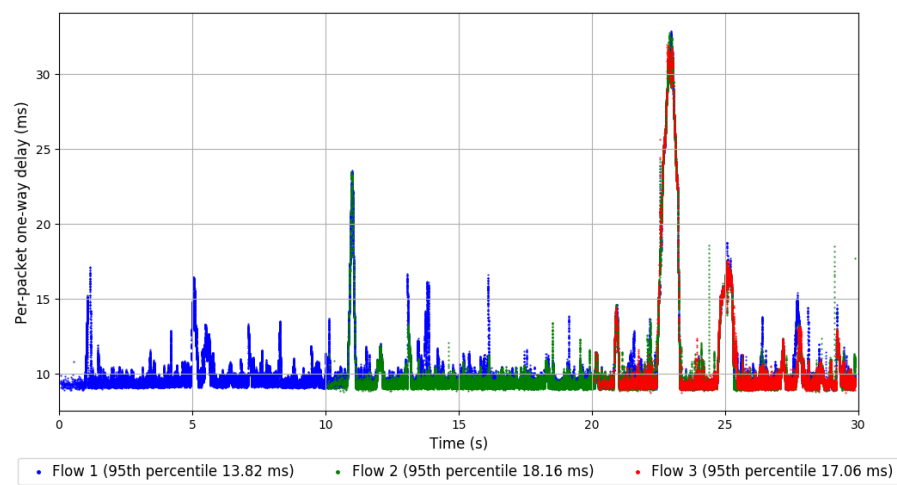
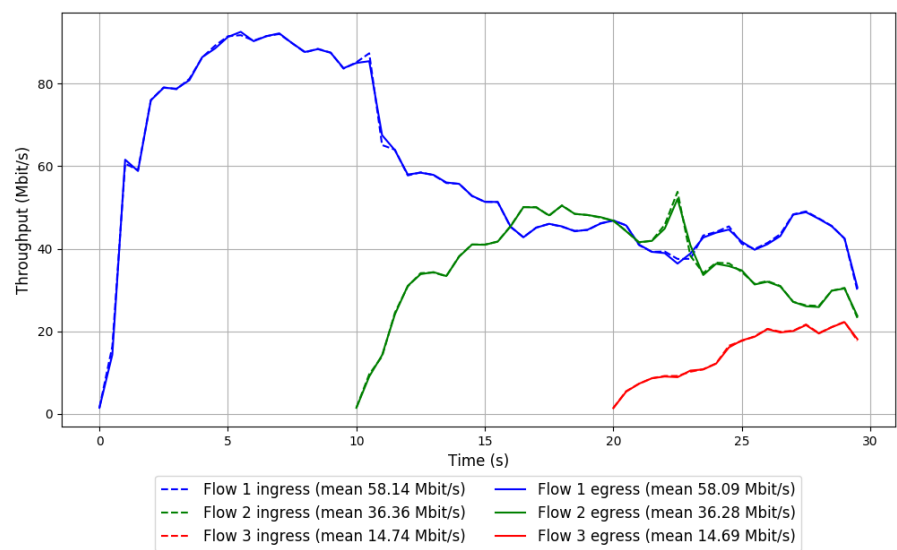


Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 16:05:02
End at: 2018-02-16 16:05:32
Local clock offset: 1.472 ms
Remote clock offset: -4.927 ms

Below is generated by plot.py at 2018-02-16 19:19:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 15.333 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 13.820 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 18.161 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 17.058 ms
Loss rate: 0.36%

Run 5: Report of Vivace-latency — Data Link

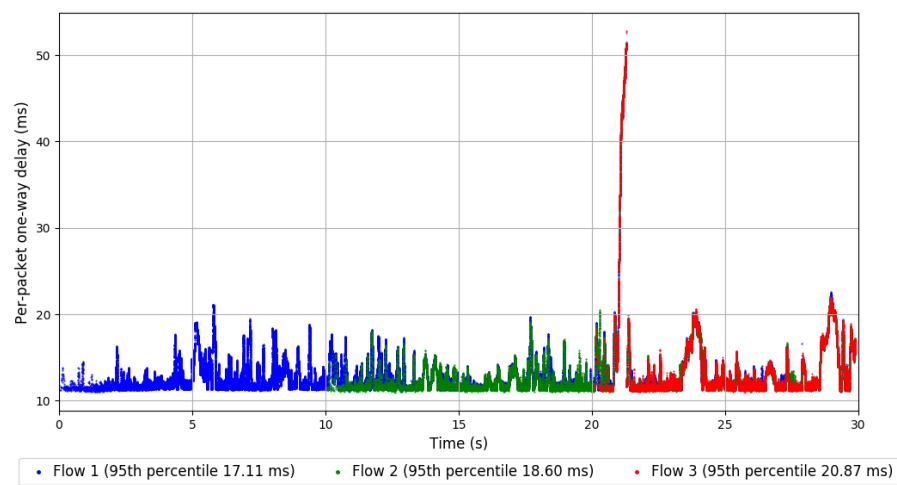
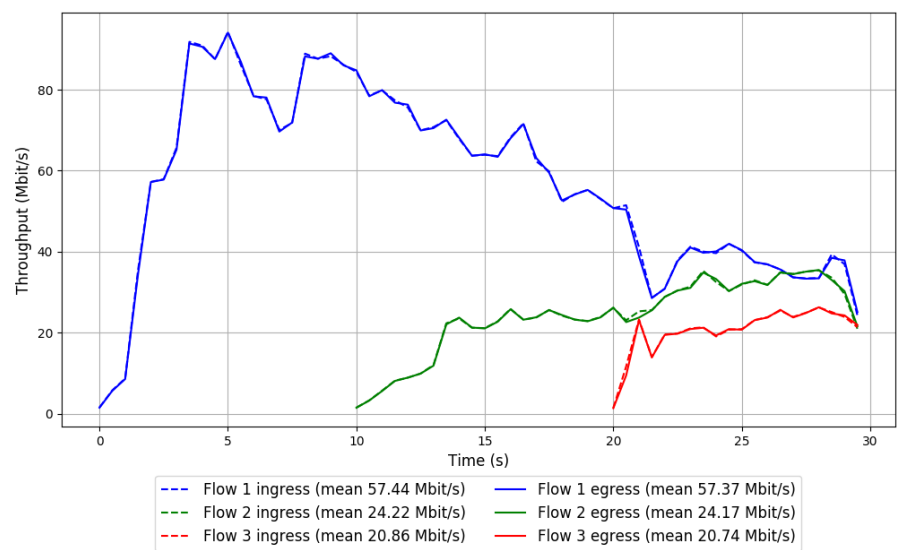


Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 16:29:48
End at: 2018-02-16 16:30:18
Local clock offset: -5.162 ms
Remote clock offset: -3.501 ms

Below is generated by plot.py at 2018-02-16 19:19:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.27 Mbit/s
95th percentile per-packet one-way delay: 17.884 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 17.108 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 18.603 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 20.868 ms
Loss rate: 0.52%

Run 6: Report of Vivace-latency — Data Link

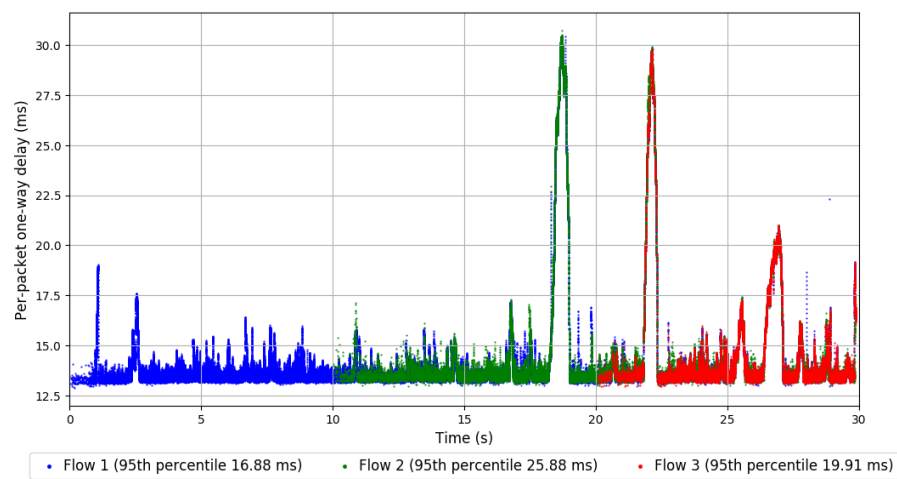
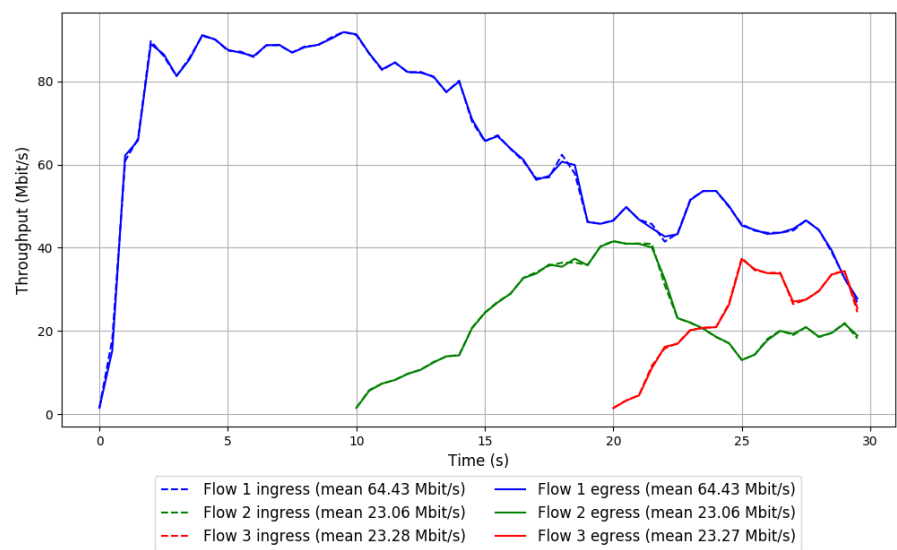


Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 16:52:50
End at: 2018-02-16 16:53:20
Local clock offset: -2.43 ms
Remote clock offset: -2.459 ms

Below is generated by plot.py at 2018-02-16 19:19:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 19.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 16.876 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 25.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 19.914 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 17:15:37

End at: 2018-02-16 17:16:07

Local clock offset: -3.677 ms

Remote clock offset: -1.38 ms

Below is generated by plot.py at 2018-02-16 19:19:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 15.939 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.50 Mbit/s

95th percentile per-packet one-way delay: 15.297 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.34 Mbit/s

95th percentile per-packet one-way delay: 28.347 ms

Loss rate: 0.00%

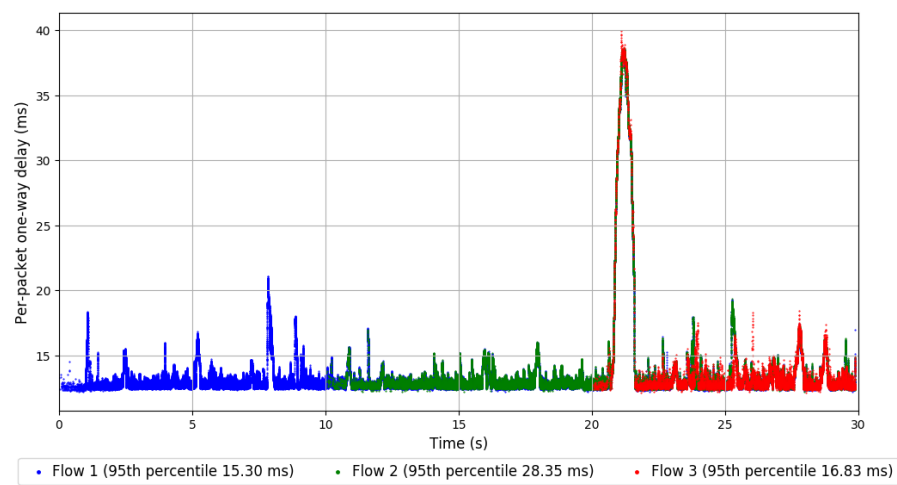
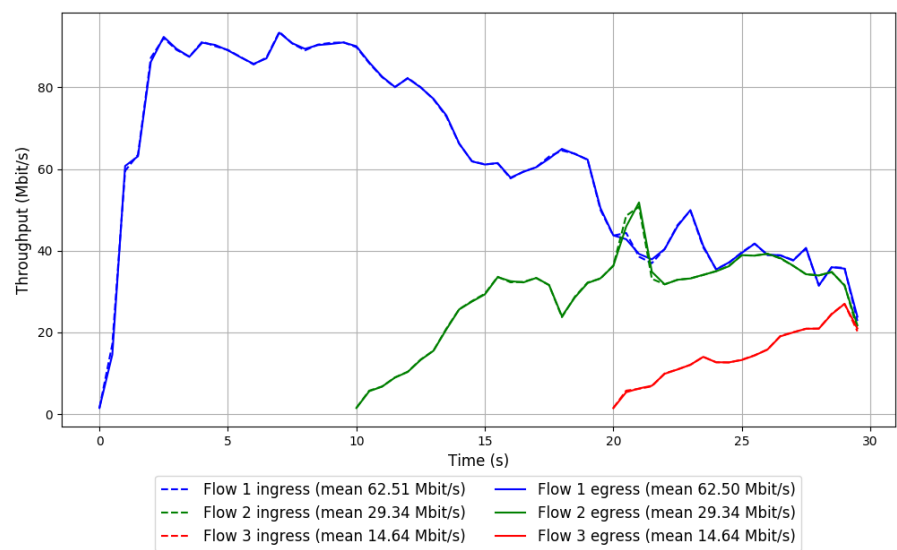
-- Flow 3:

Average throughput: 14.64 Mbit/s

95th percentile per-packet one-way delay: 16.831 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

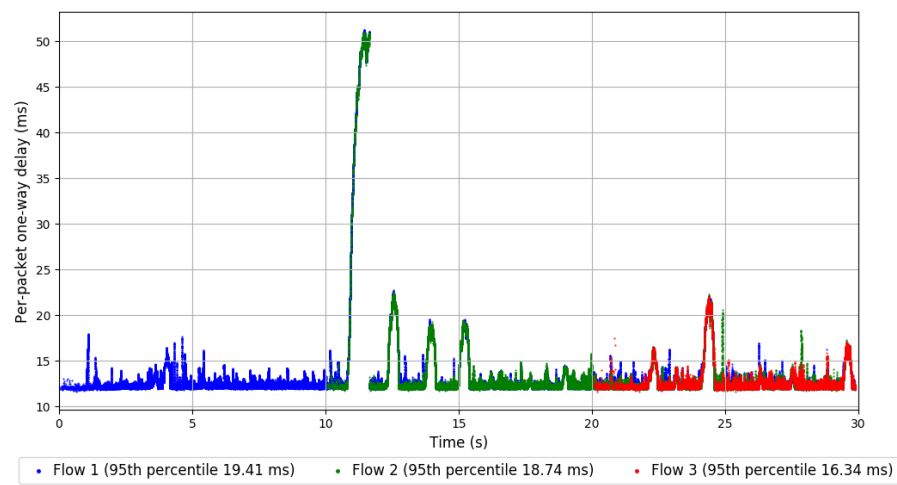
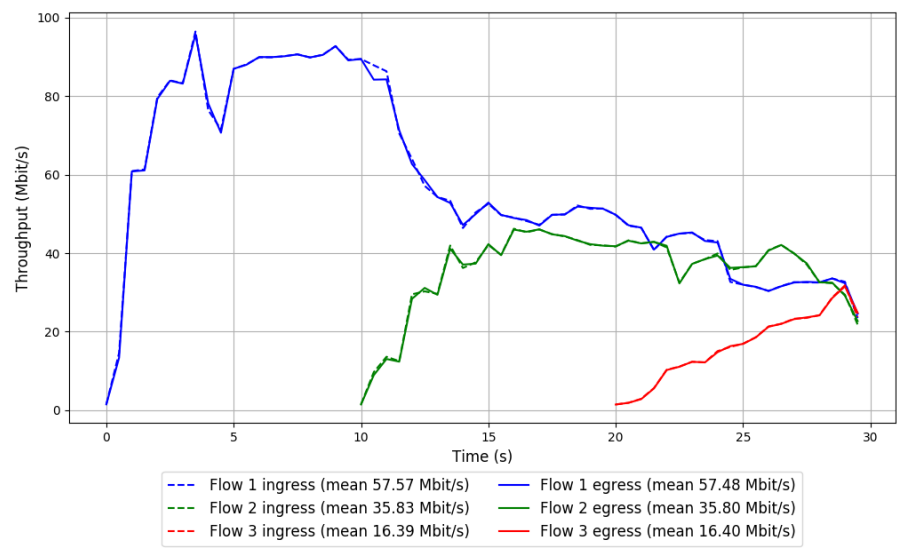


Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 17:37:49
End at: 2018-02-16 17:38:19
Local clock offset: -6.314 ms
Remote clock offset: -1.605 ms

Below is generated by plot.py at 2018-02-16 19:19:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 18.918 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 18.744 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 16.40 Mbit/s
95th percentile per-packet one-way delay: 16.343 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

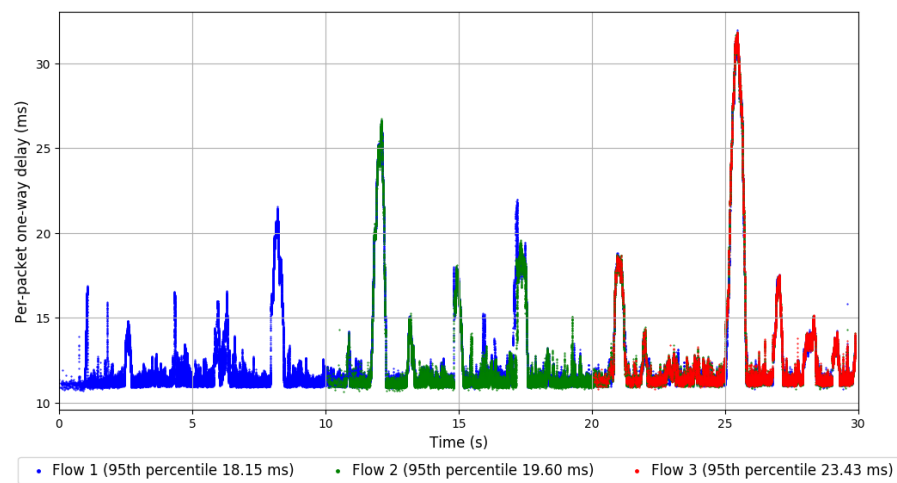
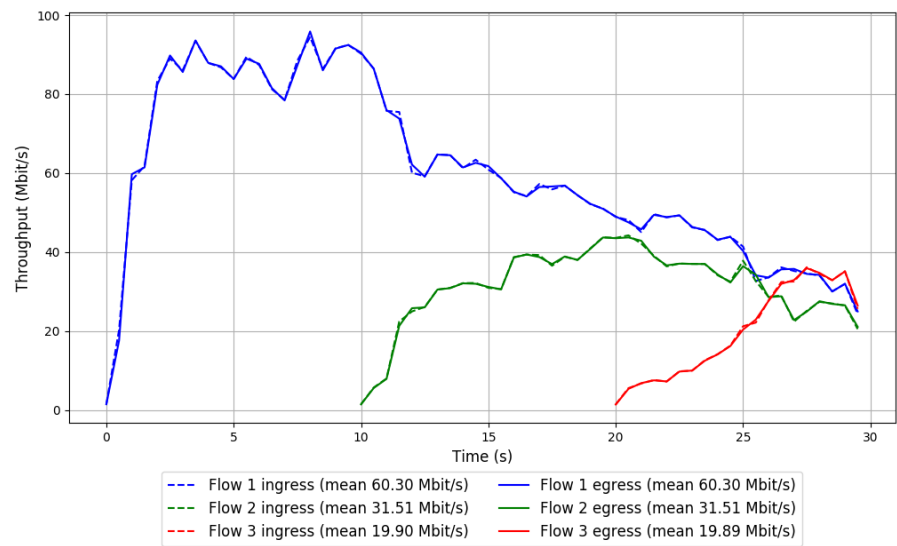


Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 18:00:06
End at: 2018-02-16 18:00:36
Local clock offset: -4.071 ms
Remote clock offset: -0.471 ms

Below is generated by plot.py at 2018-02-16 19:19:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: 18.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 18.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 19.601 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 23.426 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

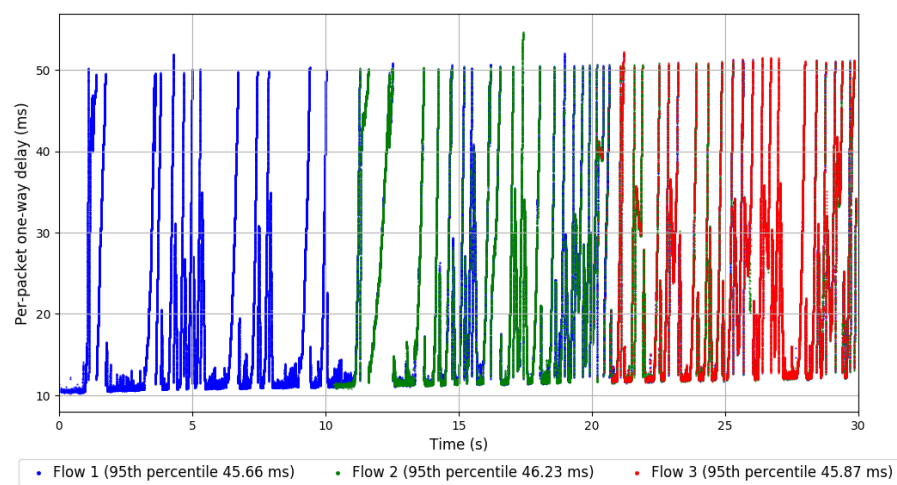
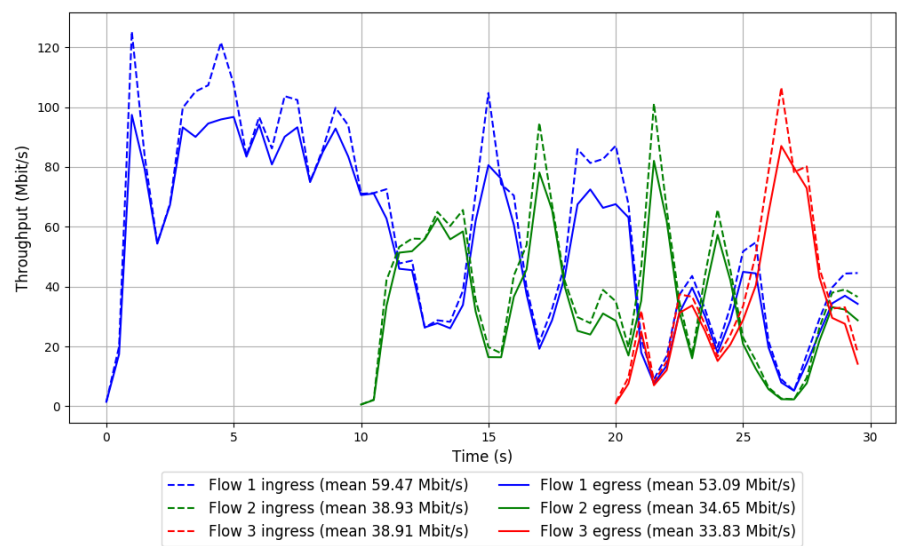


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 14:38:14
End at: 2018-02-16 14:38:44
Local clock offset: -3.742 ms
Remote clock offset: 21.223 ms

# Below is generated by plot.py at 2018-02-16 19:20:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 45.859 ms
Loss rate: 11.32%
-- Flow 1:
Average throughput: 53.09 Mbit/s
95th percentile per-packet one-way delay: 45.658 ms
Loss rate: 10.66%
-- Flow 2:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 46.234 ms
Loss rate: 12.03%
-- Flow 3:
Average throughput: 33.83 Mbit/s
95th percentile per-packet one-way delay: 45.867 ms
Loss rate: 12.92%
```

Run 1: Report of Vivace-loss — Data Link

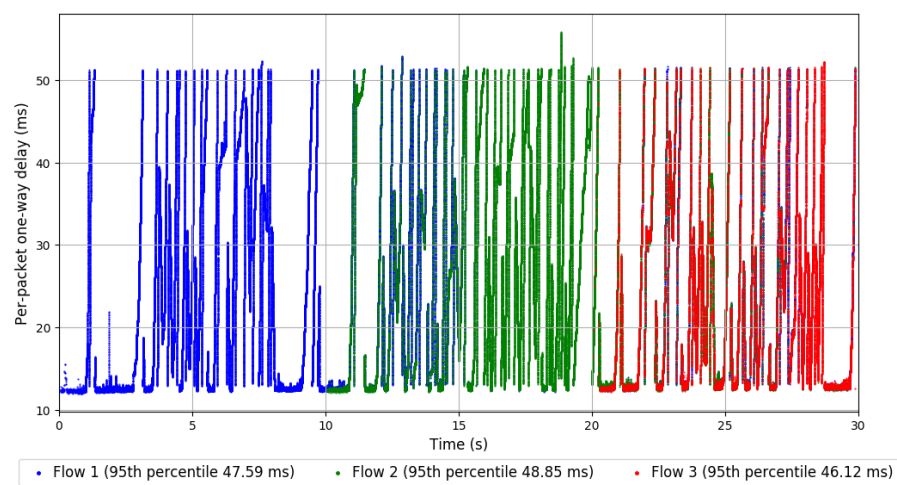
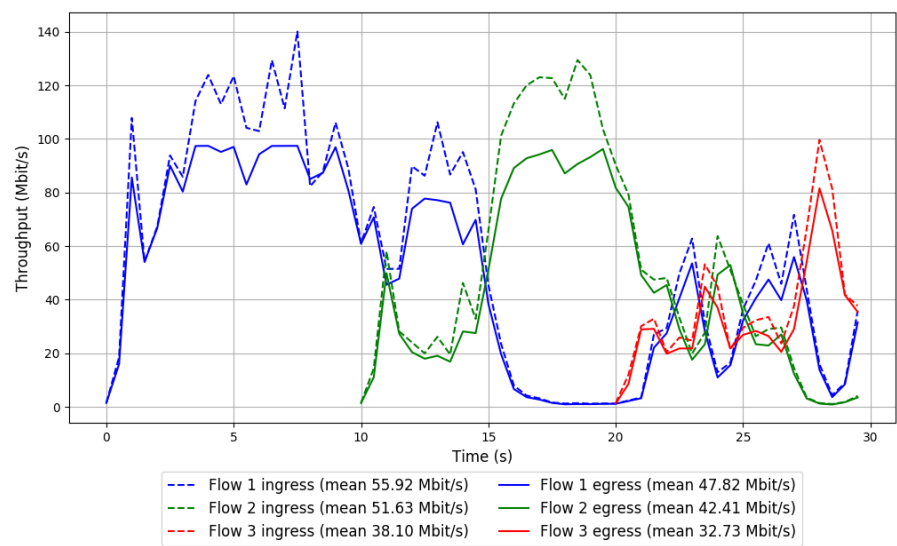


Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 15:00:48
End at: 2018-02-16 15:01:18
Local clock offset: -6.491 ms
Remote clock offset: -14.849 ms

Below is generated by plot.py at 2018-02-16 19:20:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 48.068 ms
Loss rate: 15.55%
-- Flow 1:
Average throughput: 47.82 Mbit/s
95th percentile per-packet one-way delay: 47.595 ms
Loss rate: 14.48%
-- Flow 2:
Average throughput: 42.41 Mbit/s
95th percentile per-packet one-way delay: 48.853 ms
Loss rate: 17.84%
-- Flow 3:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 46.122 ms
Loss rate: 14.13%

Run 2: Report of Vivace-loss — Data Link

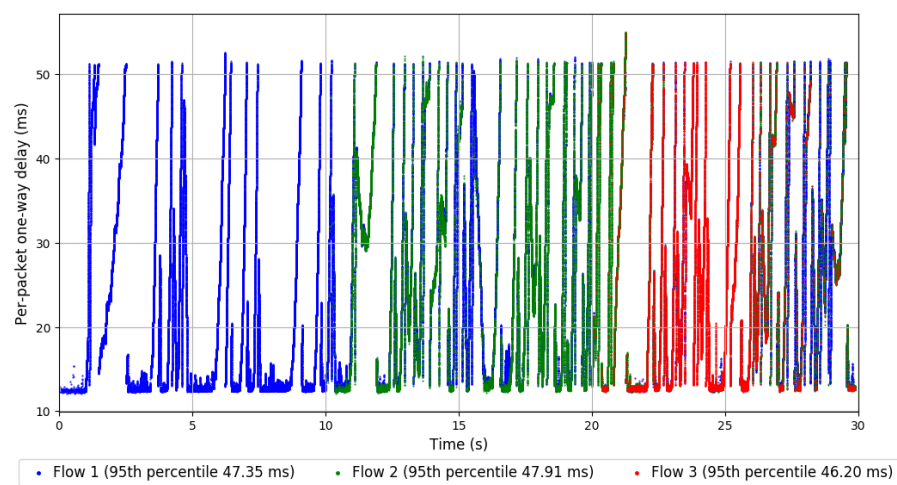
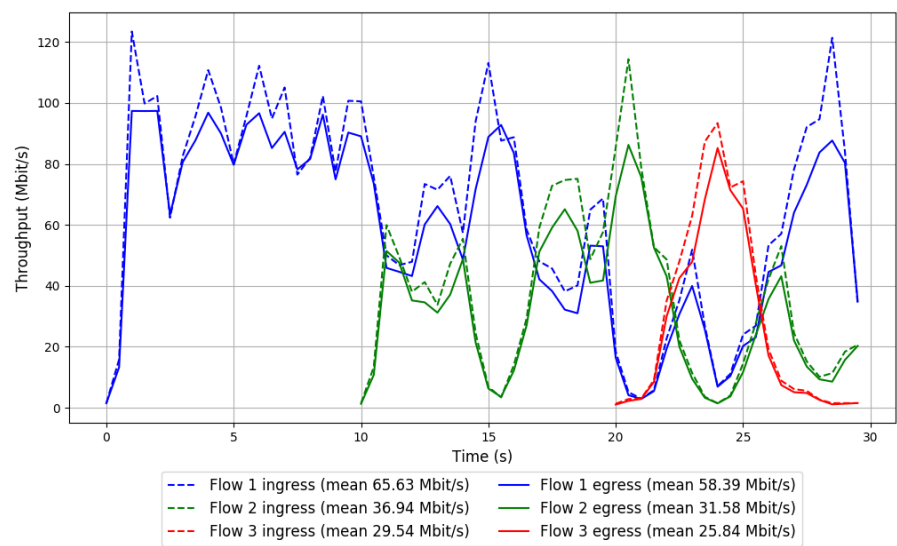


Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 15:23:48
End at: 2018-02-16 15:24:18
Local clock offset: -4.575 ms
Remote clock offset: -7.755 ms

Below is generated by plot.py at 2018-02-16 19:20:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.87 Mbit/s
95th percentile per-packet one-way delay: 47.423 ms
Loss rate: 12.05%
-- Flow 1:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 47.352 ms
Loss rate: 11.03%
-- Flow 2:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 47.909 ms
Loss rate: 14.53%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 46.201 ms
Loss rate: 12.61%

Run 3: Report of Vivace-loss — Data Link

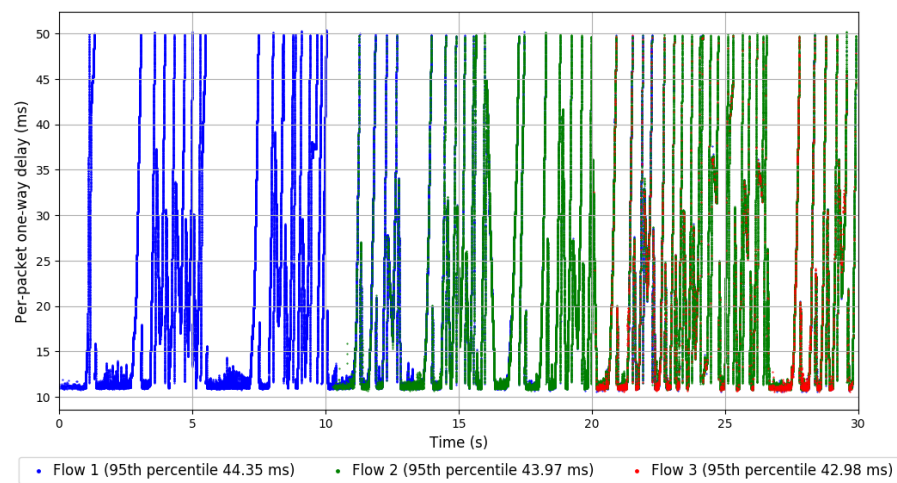
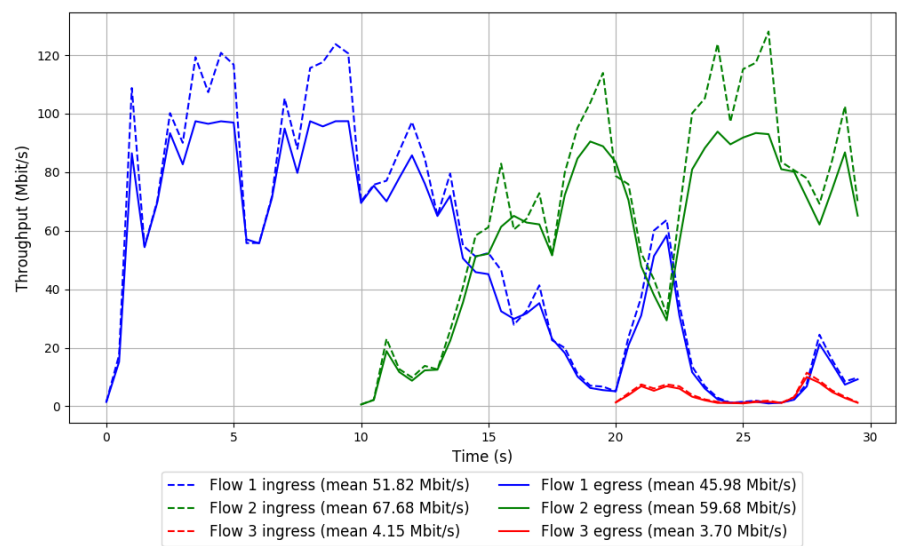


Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 15:46:49
End at: 2018-02-16 15:47:19
Local clock offset: 3.23 ms
Remote clock offset: -7.801 ms

Below is generated by plot.py at 2018-02-16 19:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 44.153 ms
Loss rate: 11.93%
-- Flow 1:
Average throughput: 45.98 Mbit/s
95th percentile per-packet one-way delay: 44.351 ms
Loss rate: 11.19%
-- Flow 2:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 43.972 ms
Loss rate: 12.82%
-- Flow 3:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 42.977 ms
Loss rate: 10.82%

Run 4: Report of Vivace-loss — Data Link

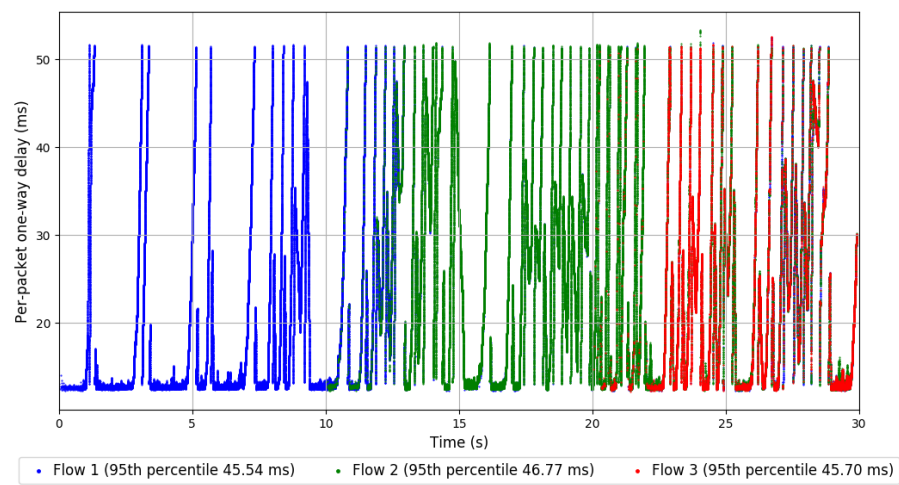
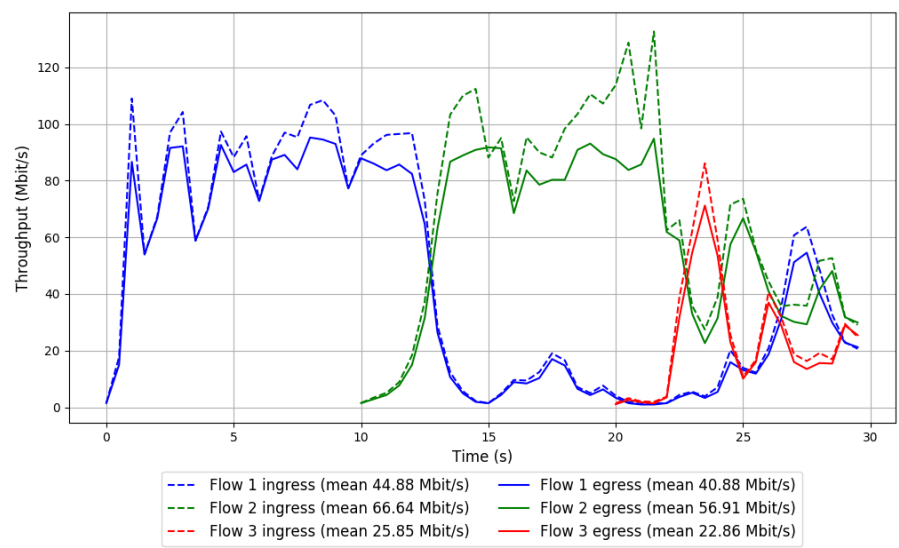


Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 16:11:14
End at: 2018-02-16 16:11:44
Local clock offset: -3.984 ms
Remote clock offset: -5.167 ms

Below is generated by plot.py at 2018-02-16 19:20:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.28 Mbit/s
95th percentile per-packet one-way delay: 46.232 ms
Loss rate: 11.65%
-- Flow 1:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 45.544 ms
Loss rate: 8.85%
-- Flow 2:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 46.773 ms
Loss rate: 14.52%
-- Flow 3:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 45.700 ms
Loss rate: 11.44%

Run 5: Report of Vivace-loss — Data Link

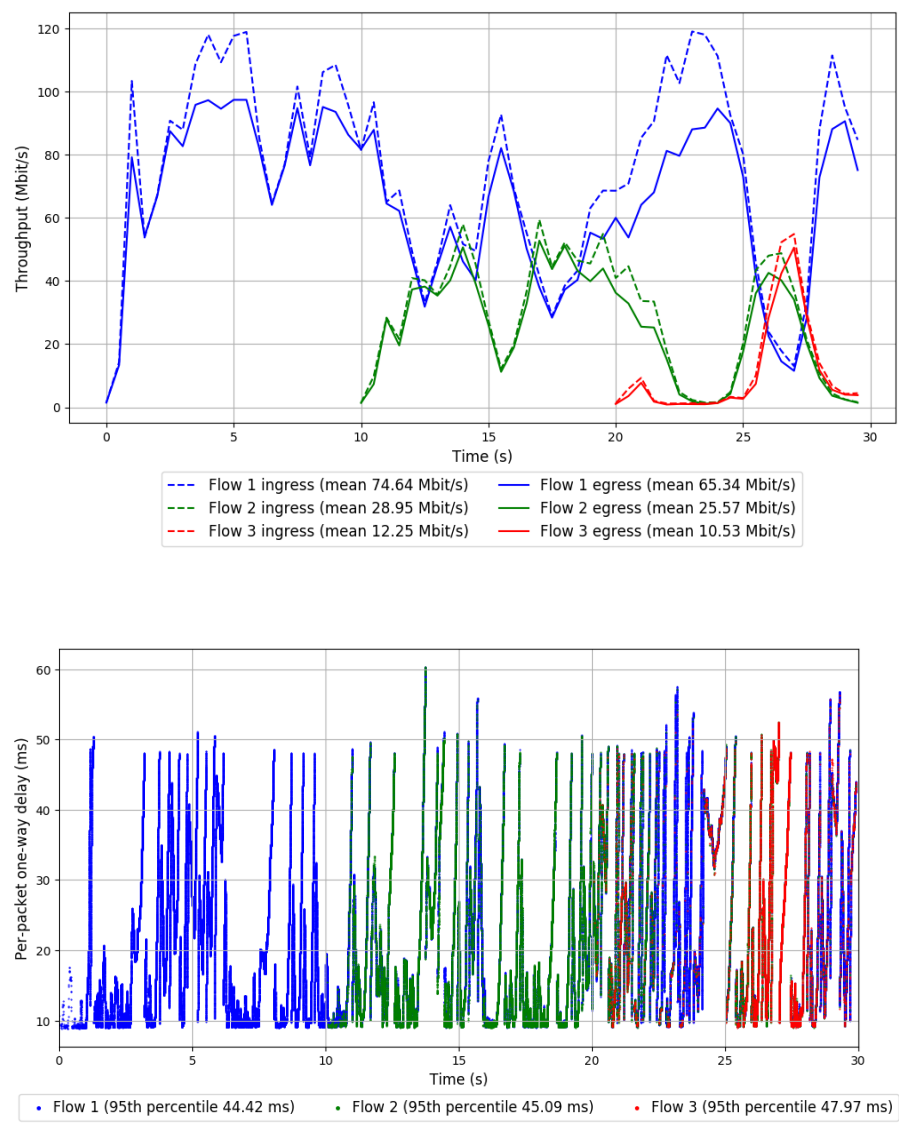


Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 16:34:55
End at: 2018-02-16 16:35:25
Local clock offset: -1.614 ms
Remote clock offset: -3.581 ms

Below is generated by plot.py at 2018-02-16 19:20:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 44.825 ms
Loss rate: 12.27%
-- Flow 1:
Average throughput: 65.34 Mbit/s
95th percentile per-packet one-way delay: 44.423 ms
Loss rate: 12.37%
-- Flow 2:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 45.091 ms
Loss rate: 11.54%
-- Flow 3:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 47.968 ms
Loss rate: 13.97%

Run 6: Report of Vivace-loss — Data Link

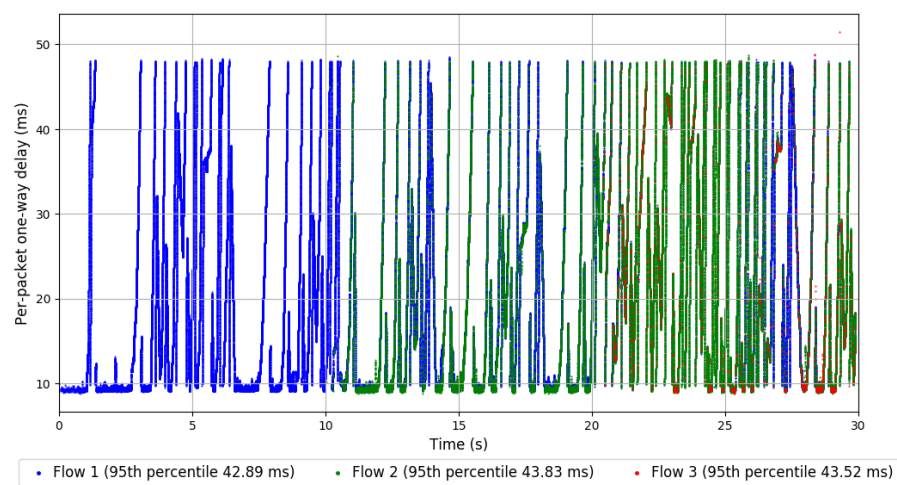
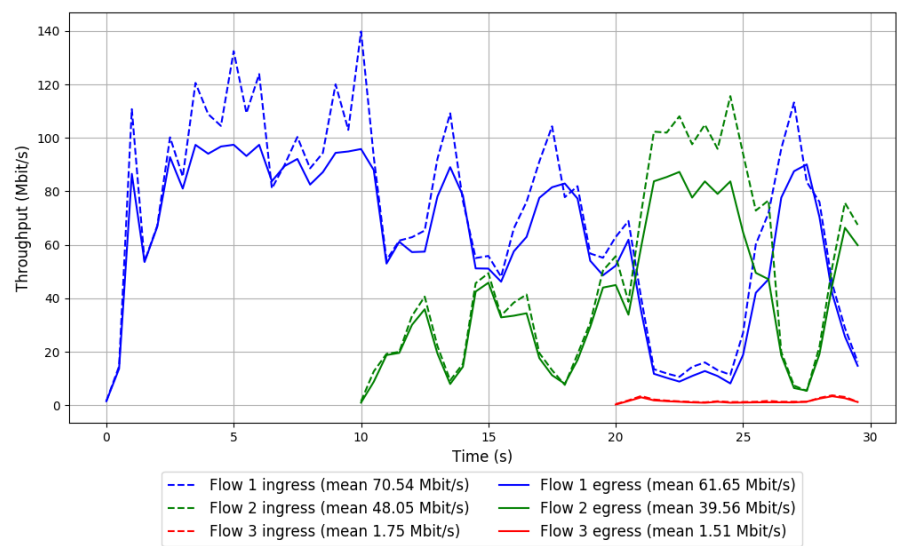


Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 16:58:00
End at: 2018-02-16 16:58:30
Local clock offset: 1.01 ms
Remote clock offset: -3.129 ms

Below is generated by plot.py at 2018-02-16 19:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 43.323 ms
Loss rate: 14.15%
-- Flow 1:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 42.893 ms
Loss rate: 12.58%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 43.829 ms
Loss rate: 17.63%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 43.524 ms
Loss rate: 14.14%

Run 7: Report of Vivace-loss — Data Link

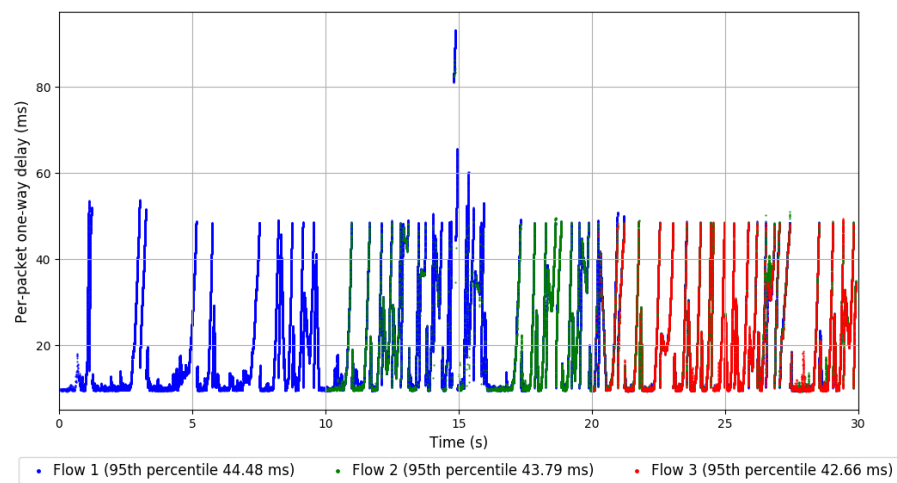
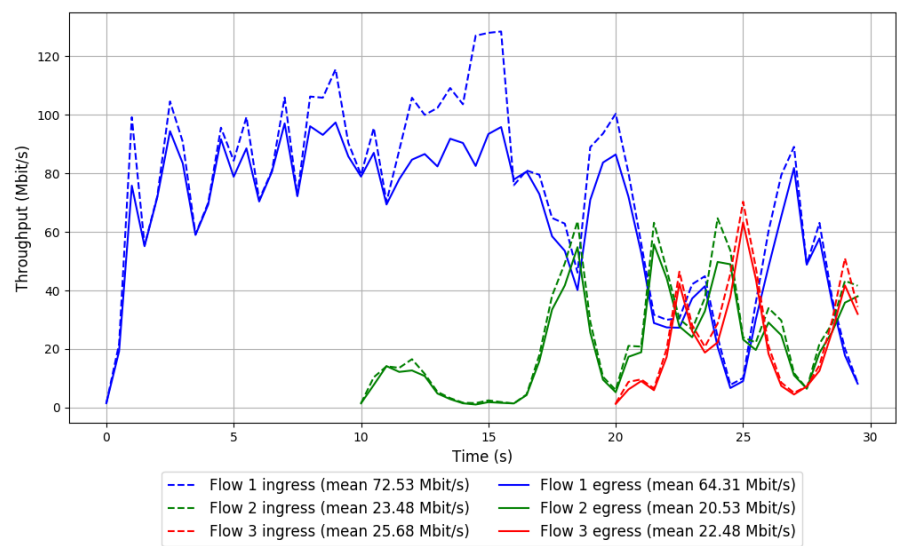


Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 17:20:42
End at: 2018-02-16 17:21:12
Local clock offset: -1.996 ms
Remote clock offset: -2.105 ms

Below is generated by plot.py at 2018-02-16 19:21:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 44.275 ms
Loss rate: 11.55%
-- Flow 1:
Average throughput: 64.31 Mbit/s
95th percentile per-packet one-way delay: 44.481 ms
Loss rate: 11.26%
-- Flow 2:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 43.791 ms
Loss rate: 12.48%
-- Flow 3:
Average throughput: 22.48 Mbit/s
95th percentile per-packet one-way delay: 42.660 ms
Loss rate: 12.26%

Run 8: Report of Vivace-loss — Data Link

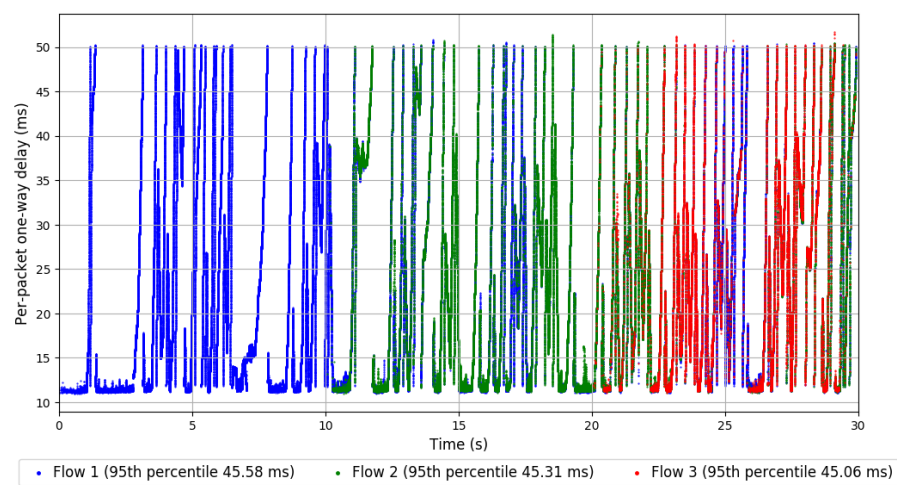
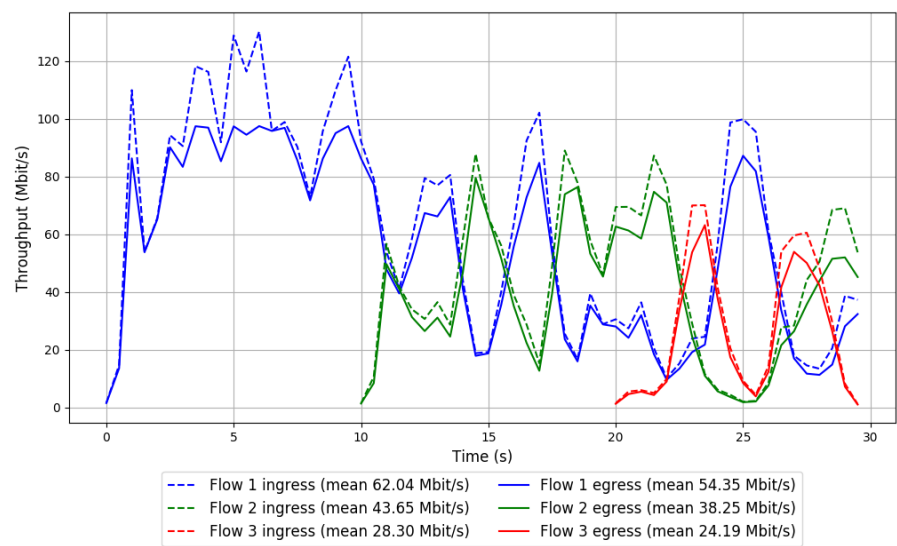


Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 17:42:52
End at: 2018-02-16 17:43:22
Local clock offset: -4.421 ms
Remote clock offset: -0.547 ms

Below is generated by plot.py at 2018-02-16 19:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 45.463 ms
Loss rate: 12.54%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 45.575 ms
Loss rate: 12.33%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 45.308 ms
Loss rate: 12.40%
-- Flow 3:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 45.062 ms
Loss rate: 14.34%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 18:05:04

End at: 2018-02-16 18:05:34

Local clock offset: -6.933 ms

Remote clock offset: -7.39 ms

Below is generated by plot.py at 2018-02-16 19:22:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.75 Mbit/s

95th percentile per-packet one-way delay: 43.258 ms

Loss rate: 11.62%

-- Flow 1:

Average throughput: 51.70 Mbit/s

95th percentile per-packet one-way delay: 43.288 ms

Loss rate: 11.69%

-- Flow 2:

Average throughput: 42.42 Mbit/s

95th percentile per-packet one-way delay: 43.511 ms

Loss rate: 11.58%

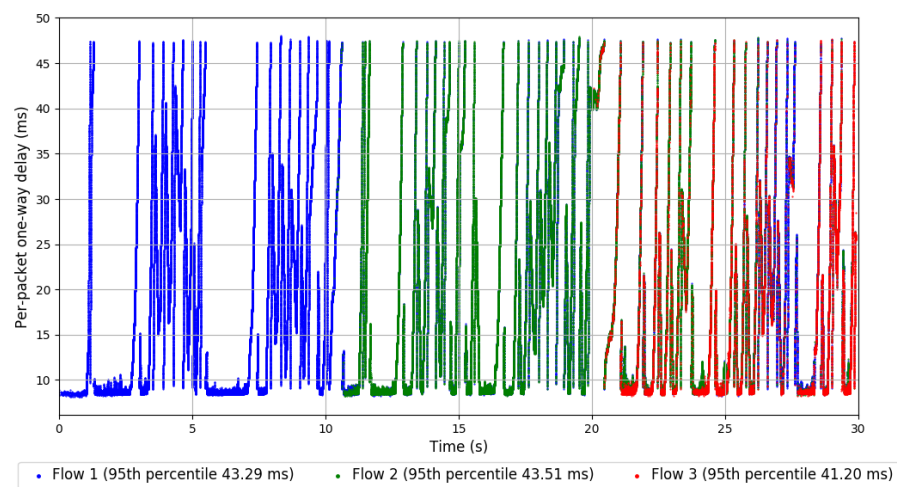
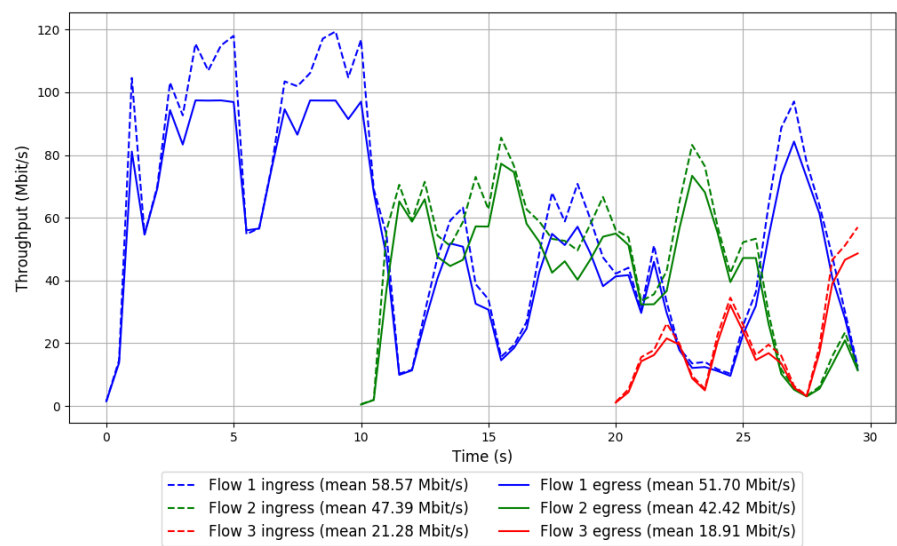
-- Flow 3:

Average throughput: 18.91 Mbit/s

95th percentile per-packet one-way delay: 41.198 ms

Loss rate: 11.27%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 14:46:54

End at: 2018-02-16 14:47:24

Local clock offset: -5.755 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-02-16 19:22:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.14 Mbit/s

95th percentile per-packet one-way delay: 42.196 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 37.602 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 36.66 Mbit/s

95th percentile per-packet one-way delay: 44.216 ms

Loss rate: 1.87%

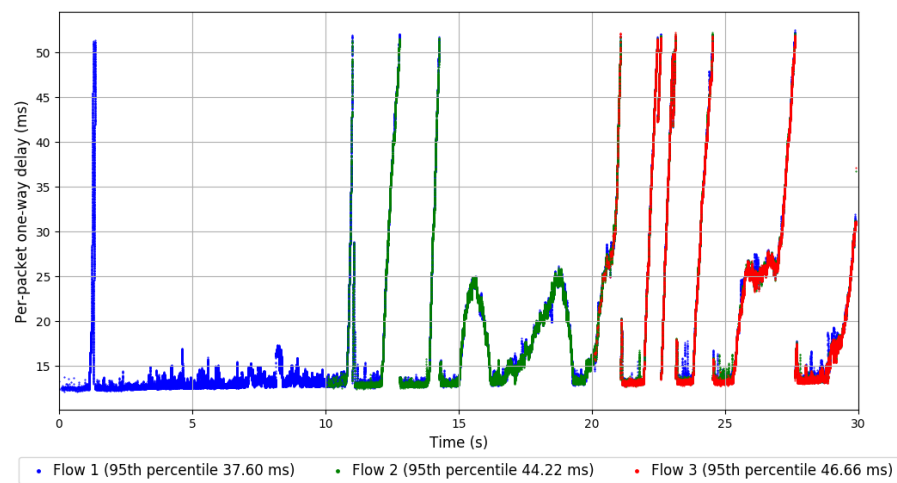
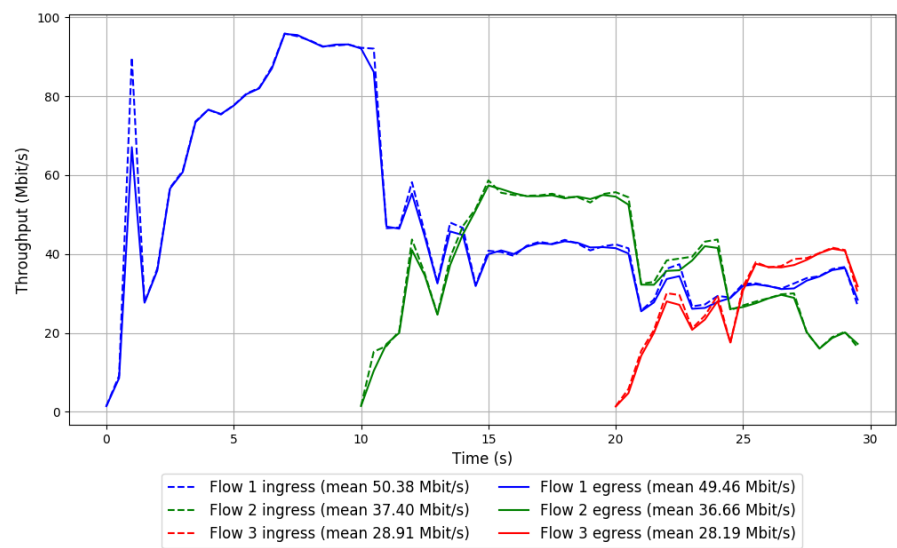
-- Flow 3:

Average throughput: 28.19 Mbit/s

95th percentile per-packet one-way delay: 46.662 ms

Loss rate: 2.27%

Run 1: Report of Vivace-LTE — Data Link

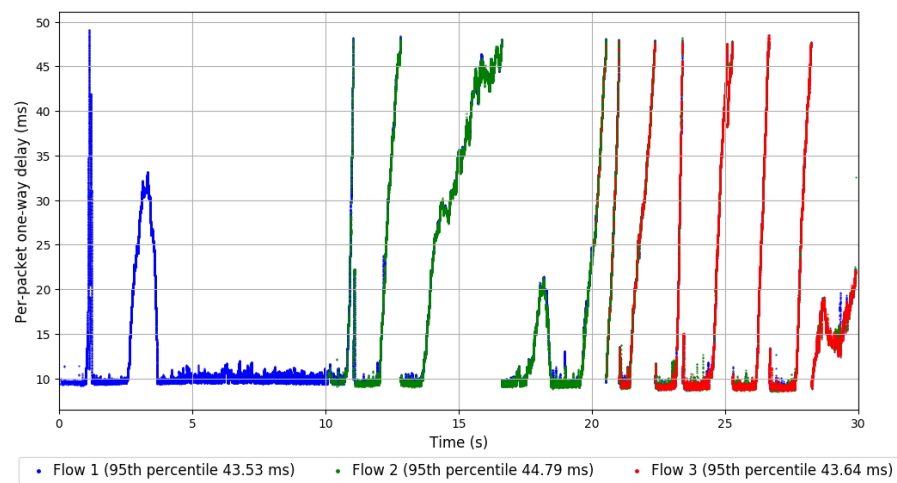
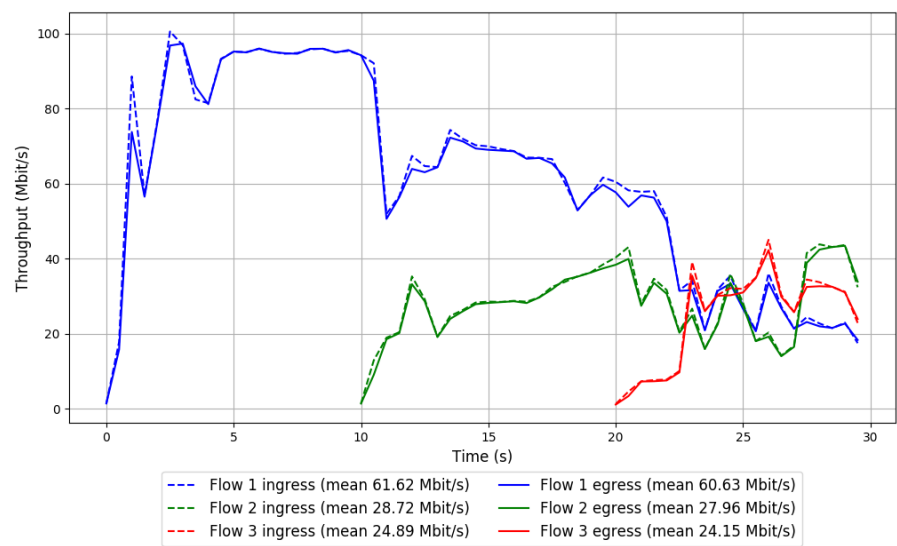


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 15:09:34
End at: 2018-02-16 15:10:04
Local clock offset: -3.48 ms
Remote clock offset: -20.017 ms

Below is generated by plot.py at 2018-02-16 19:22:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 43.948 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 43.529 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 44.790 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 43.637 ms
Loss rate: 3.01%

Run 2: Report of Vivace-LTE — Data Link

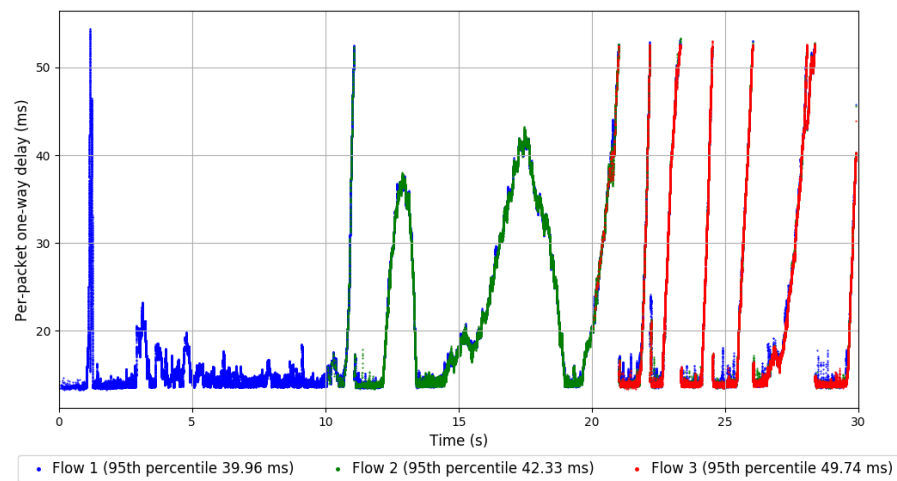
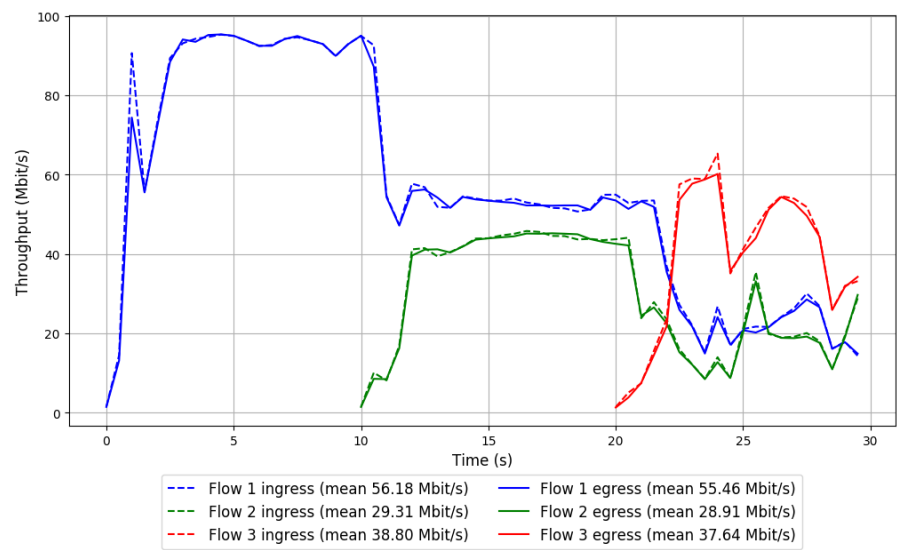


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 15:32:35
End at: 2018-02-16 15:33:05
Local clock offset: -1.4 ms
Remote clock offset: -7.562 ms

Below is generated by plot.py at 2018-02-16 19:22:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 42.192 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 39.961 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 42.334 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 49.743 ms
Loss rate: 2.75%

Run 3: Report of Vivace-LTE — Data Link

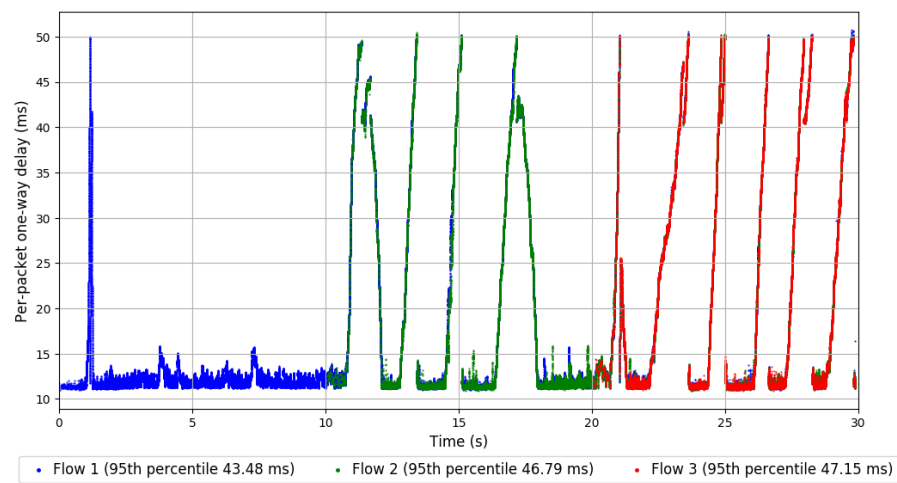
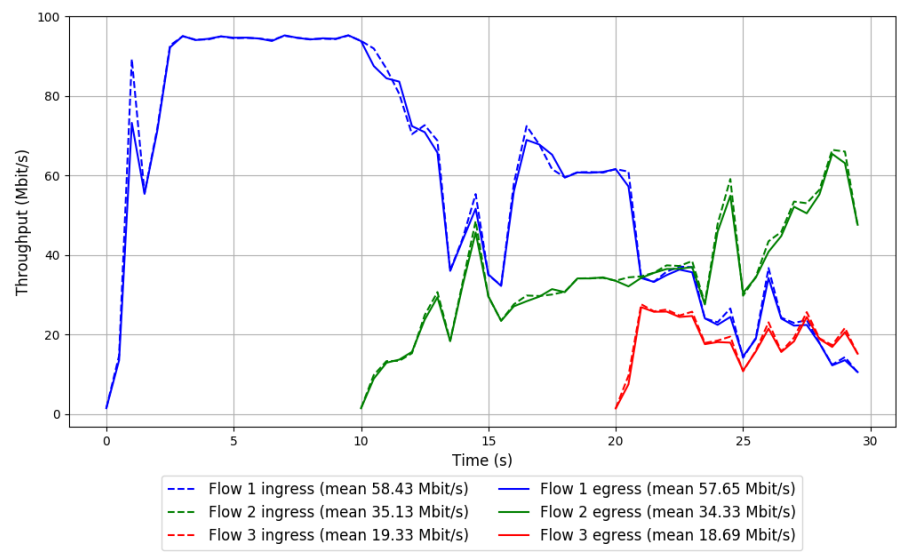


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 15:55:49
End at: 2018-02-16 15:56:19
Local clock offset: 3.18 ms
Remote clock offset: -5.719 ms

Below is generated by plot.py at 2018-02-16 19:22:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 45.029 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 43.476 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 46.787 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 18.69 Mbit/s
95th percentile per-packet one-way delay: 47.145 ms
Loss rate: 3.33%

Run 4: Report of Vivace-LTE — Data Link

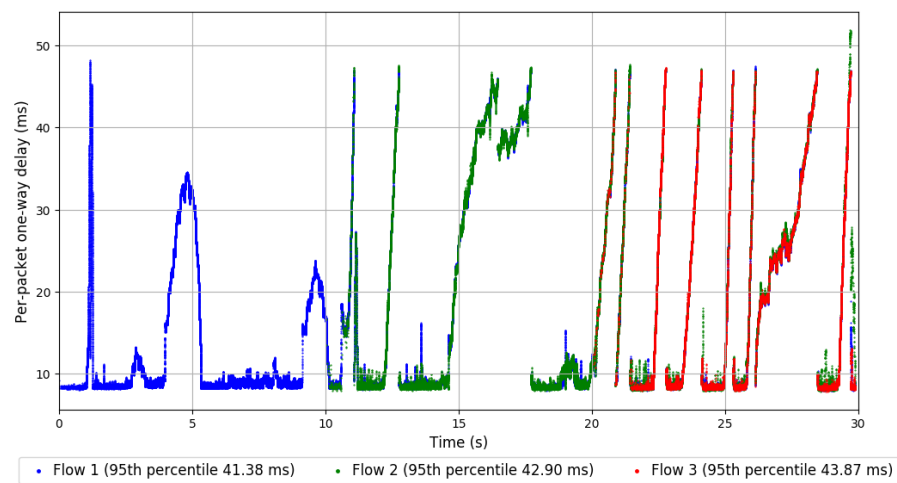
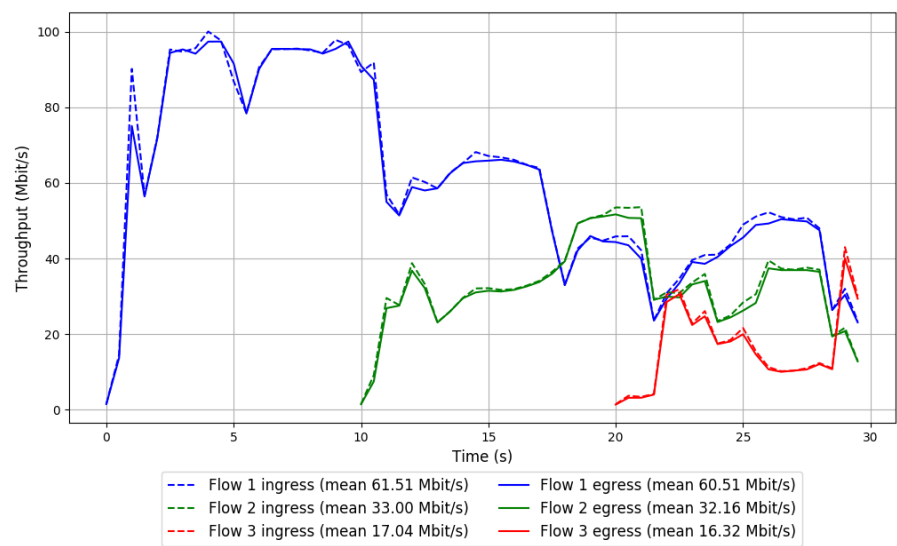


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 16:20:43
End at: 2018-02-16 16:21:13
Local clock offset: -1.766 ms
Remote clock offset: -5.549 ms

Below is generated by plot.py at 2018-02-16 19:22:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 41.894 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 60.51 Mbit/s
95th percentile per-packet one-way delay: 41.384 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 32.16 Mbit/s
95th percentile per-packet one-way delay: 42.896 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 43.872 ms
Loss rate: 4.22%

Run 5: Report of Vivace-LTE — Data Link

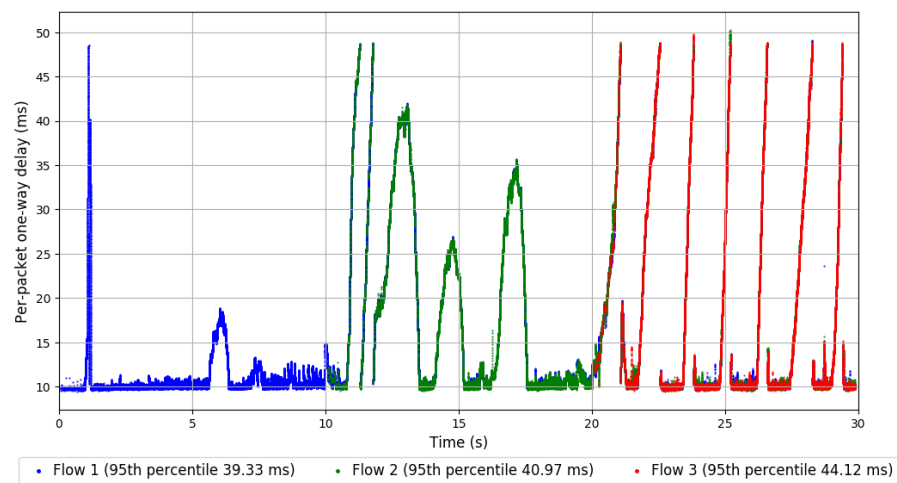
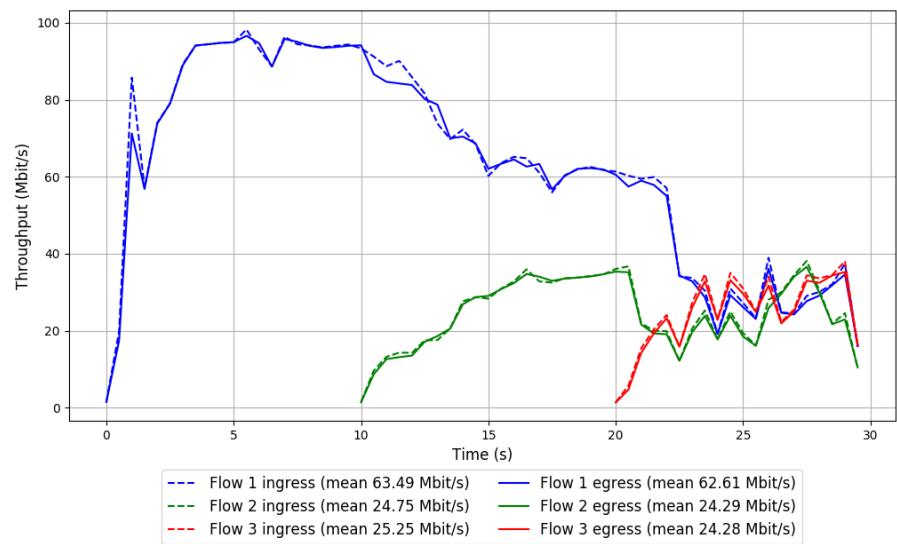


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 16:43:42
End at: 2018-02-16 16:44:12
Local clock offset: -0.563 ms
Remote clock offset: -3.415 ms

Below is generated by plot.py at 2018-02-16 19:22:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 39.979 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 39.330 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 40.972 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 44.120 ms
Loss rate: 3.86%

Run 6: Report of Vivace-LTE — Data Link

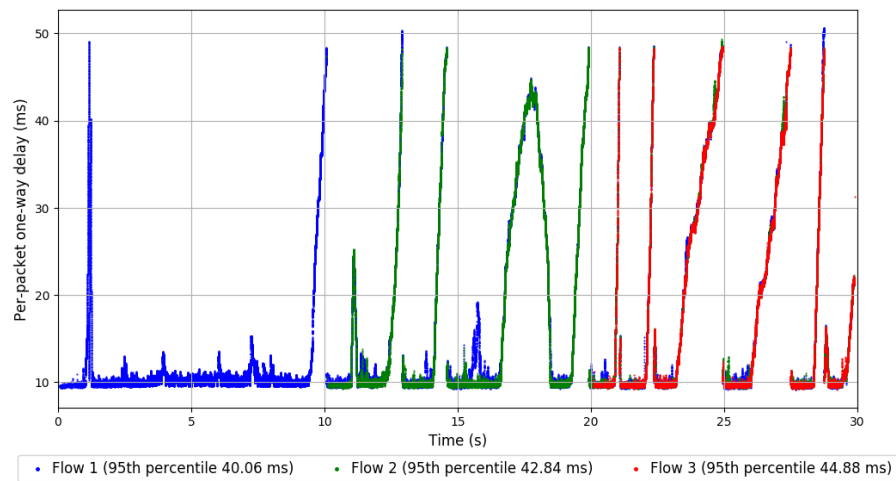
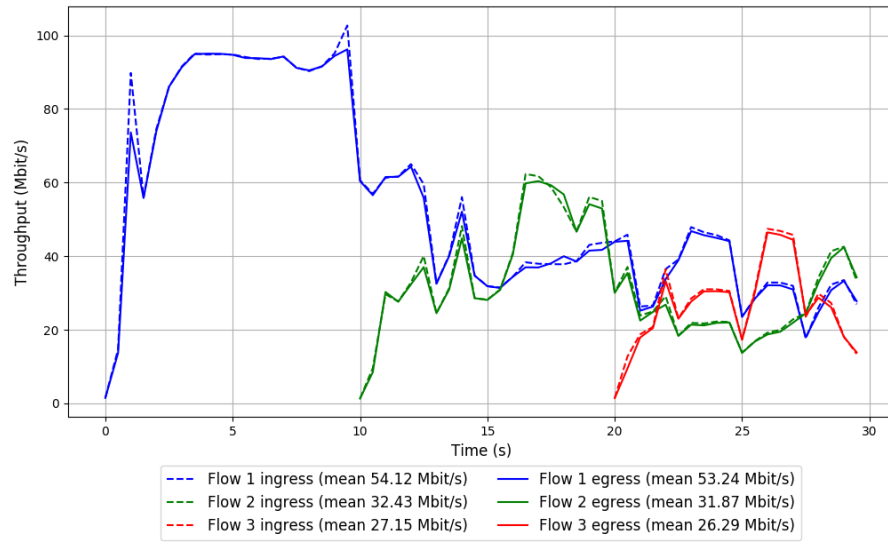


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 17:06:42
End at: 2018-02-16 17:07:12
Local clock offset: -0.382 ms
Remote clock offset: -3.102 ms

Below is generated by plot.py at 2018-02-16 19:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 42.112 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 53.24 Mbit/s
95th percentile per-packet one-way delay: 40.061 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 42.837 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 44.881 ms
Loss rate: 2.94%

Run 7: Report of Vivace-LTE — Data Link

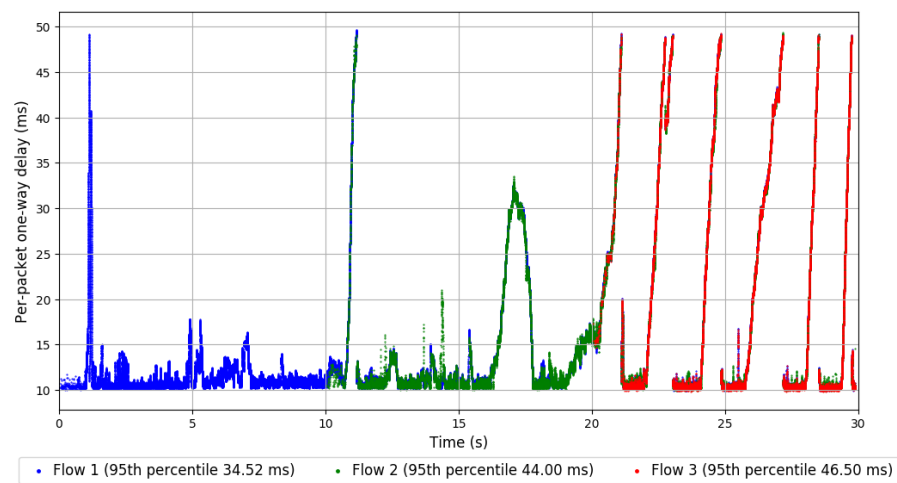
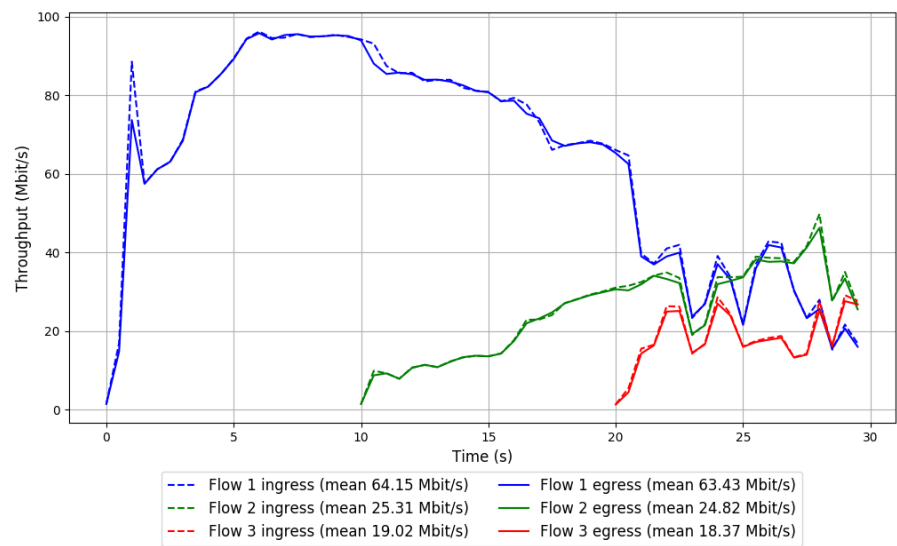


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 17:29:06
End at: 2018-02-16 17:29:36
Local clock offset: -3.325 ms
Remote clock offset: -1.458 ms

```
# Below is generated by plot.py at 2018-02-16 19:22:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 40.880 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 63.43 Mbit/s
95th percentile per-packet one-way delay: 34.523 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 43.999 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 46.502 ms
Loss rate: 3.53%
```


Run 8: Report of Vivace-LTE — Data Link

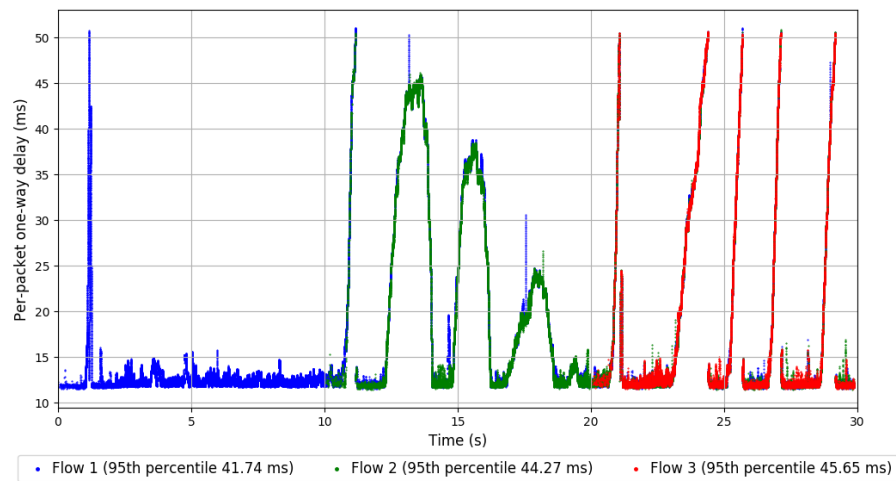
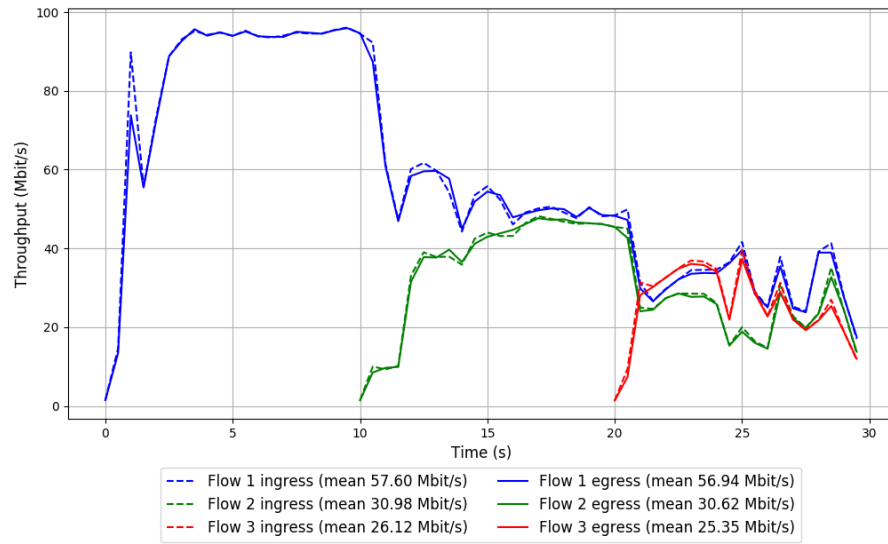


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 17:51:14
End at: 2018-02-16 17:51:45
Local clock offset: -5.915 ms
Remote clock offset: -1.514 ms

Below is generated by plot.py at 2018-02-16 19:22:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 43.475 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 41.742 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 44.269 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 45.648 ms
Loss rate: 2.96%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 18:13:35
End at: 2018-02-16 18:14:05
Local clock offset: -3.619 ms
Remote clock offset: -3.878 ms

Below is generated by plot.py at 2018-02-16 19:22:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 44.081 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 58.28 Mbit/s
95th percentile per-packet one-way delay: 41.321 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 28.07 Mbit/s
95th percentile per-packet one-way delay: 45.479 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 45.833 ms
Loss rate: 2.26%

Run 10: Report of Vivace-LTE — Data Link

