

Pantheon Report

Generated at 2018-04-04 01:18:45 (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).

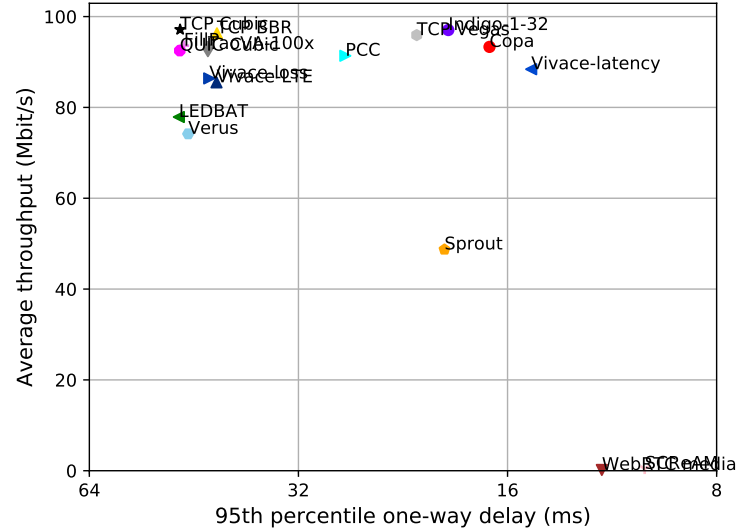
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

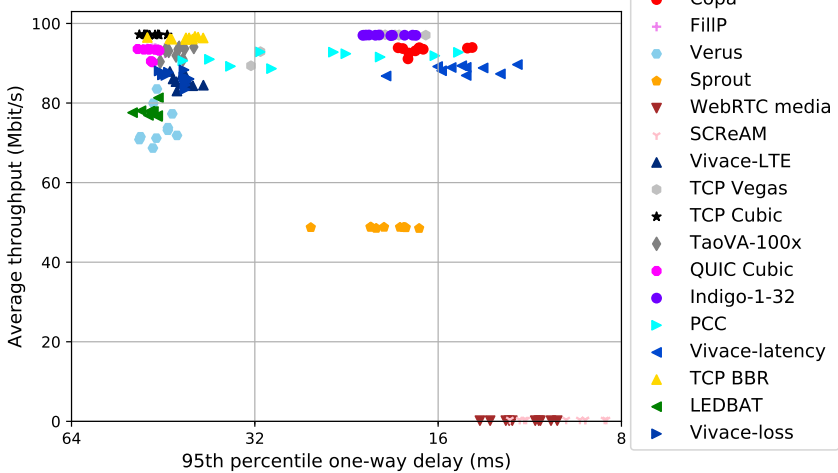
Git summary:

```
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
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 @ f271183af822eee5d0031620f4bebf38aedc5581
```

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	57.24	38.08	41.31	39.97	43.08	44.27	1.21	1.86	2.04
TCP Cubic	10	70.10	30.77	19.84	47.28	47.49	47.89	0.86	1.14	1.15
LEDBAT	10	48.29	30.64	28.55	47.27	48.00	47.77	0.56	0.83	0.68
PCC	10	79.74	11.43	12.23	26.68	29.44	32.84	0.81	0.71	1.71
QUIC Cubic	10	64.85	30.39	22.96	47.33	47.58	47.53	1.88	2.42	2.94
SCReAM	10	0.21	0.21	0.22	10.14	10.14	10.16	0.01	0.00	0.00
WebRTC media	10	0.06	0.06	0.05	11.55	11.63	11.96	0.00	0.00	0.00
Sprout	10	24.51	24.40	24.16	19.46	19.92	19.90	0.00	0.00	0.00
TaoVA-100x	10	54.82	40.46	33.49	40.42	44.19	46.09	5.25	12.26	20.43
TCP Vegas	10	51.65	44.54	44.05	22.50	18.96	13.60	0.20	0.00	0.00
Verus	10	45.27	34.75	22.99	44.92	47.73	44.77	32.69	51.06	34.35
Copa	10	58.24	37.57	30.38	16.41	17.23	17.77	0.00	0.00	0.00
FillP	10	54.69	37.66	41.70	44.53	47.88	48.12	13.04	23.05	23.25
Indigo-1-32	10	54.97	40.48	46.66	18.94	19.53	20.88	0.00	0.00	0.00
Vivace-latency	10	59.42	32.30	22.79	13.87	15.74	16.65	0.00	0.00	0.00
Vivace-loss	10	56.02	33.44	24.70	43.09	42.82	42.72	11.76	12.43	12.26
Vivace-LTE	10	55.01	33.97	24.05	39.78	43.73	44.37	1.56	2.30	3.47

Run 1: Statistics of TCP BBR

Start at: 2018-04-03 20:56:37

End at: 2018-04-03 20:57:07

Local clock offset: 1.391 ms

Remote clock offset: 1.878 ms

Below is generated by plot.py at 2018-04-04 00:50:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 38.900 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 54.16 Mbit/s

95th percentile per-packet one-way delay: 37.829 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 45.71 Mbit/s

95th percentile per-packet one-way delay: 40.446 ms

Loss rate: 1.79%

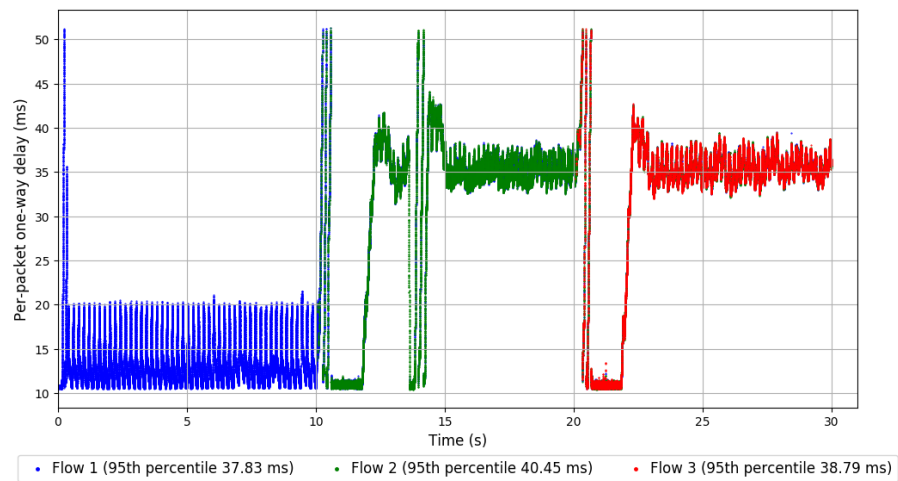
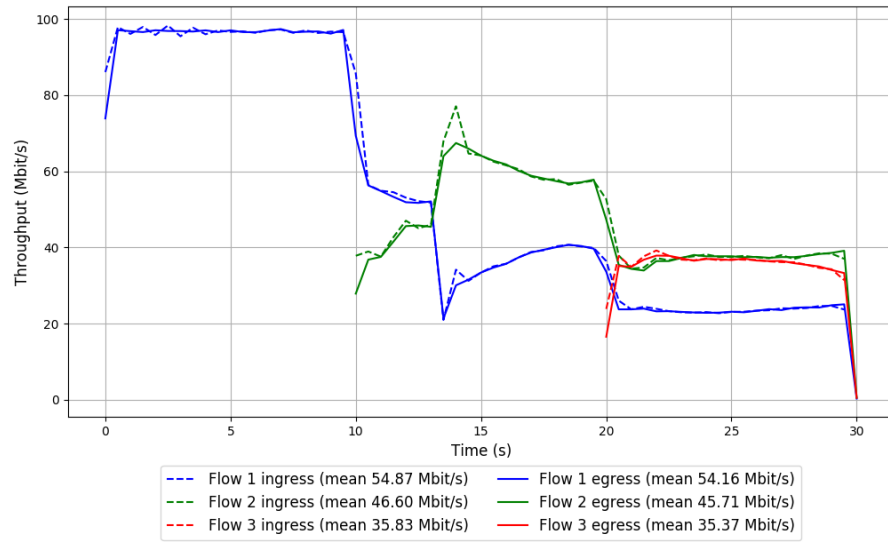
-- Flow 3:

Average throughput: 35.37 Mbit/s

95th percentile per-packet one-way delay: 38.788 ms

Loss rate: 1.28%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-03 21:17:41

End at: 2018-04-03 21:18:11

Local clock offset: 3.95 ms

Remote clock offset: 3.773 ms

Below is generated by plot.py at 2018-04-04 00:50:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 41.519 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 37.817 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 36.55 Mbit/s

95th percentile per-packet one-way delay: 44.974 ms

Loss rate: 1.56%

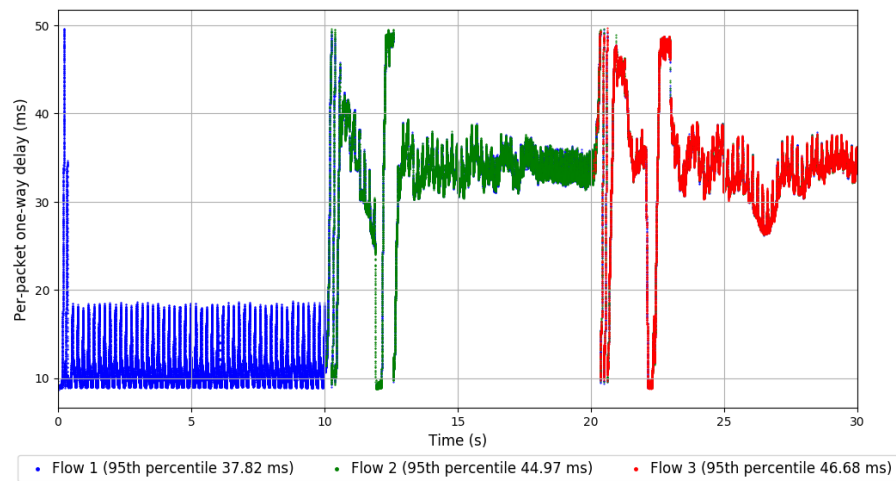
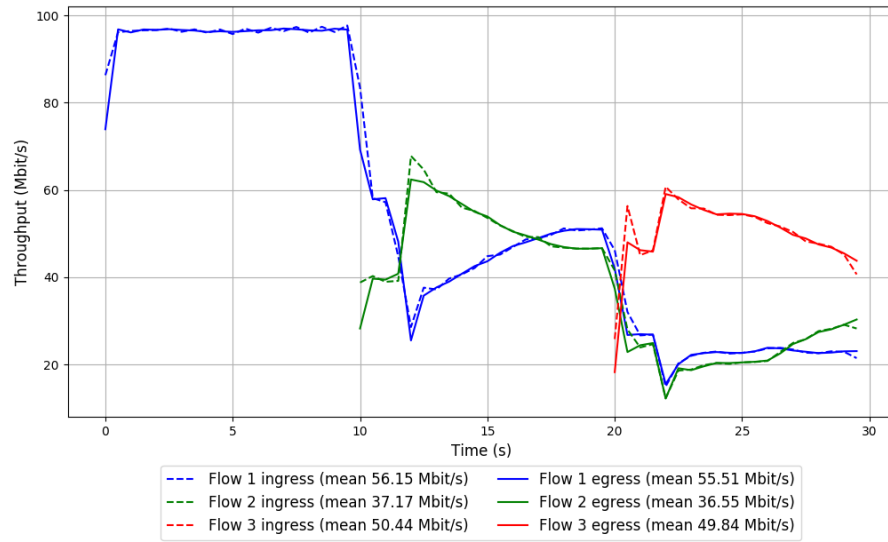
-- Flow 3:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 46.684 ms

Loss rate: 1.17%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-03 21:38:38

End at: 2018-04-03 21:39:08

Local clock offset: 2.592 ms

Remote clock offset: 5.745 ms

Below is generated by plot.py at 2018-04-04 00:50:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 39.658 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 51.77 Mbit/s

95th percentile per-packet one-way delay: 37.971 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 45.36 Mbit/s

95th percentile per-packet one-way delay: 40.982 ms

Loss rate: 2.04%

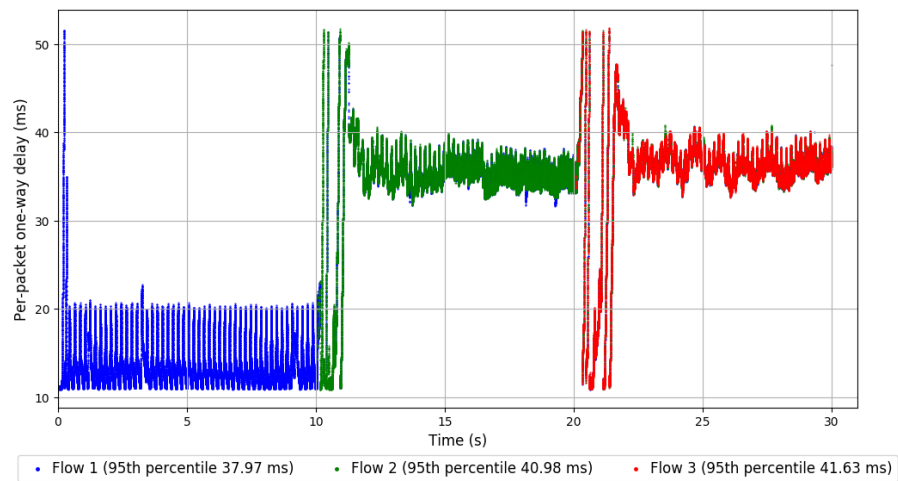
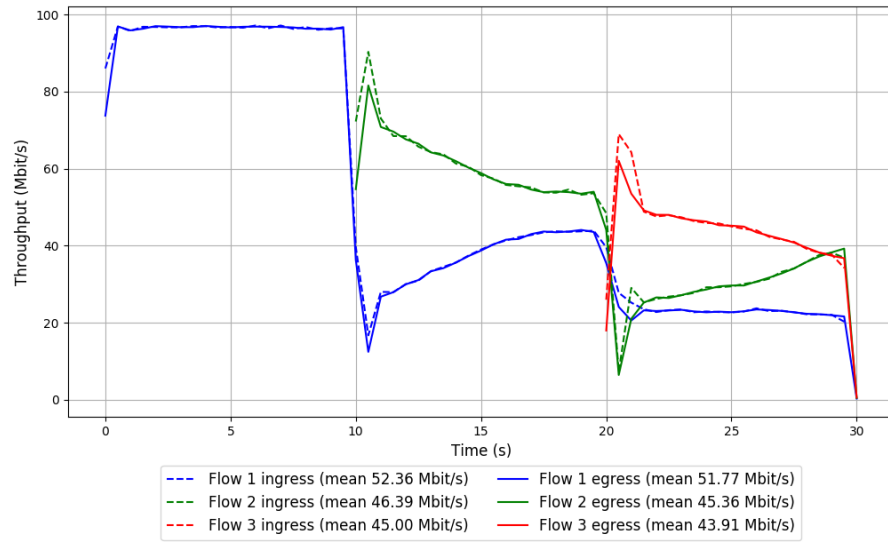
-- Flow 3:

Average throughput: 43.91 Mbit/s

95th percentile per-packet one-way delay: 41.628 ms

Loss rate: 2.40%

Run 3: Report of TCP BBR — Data Link

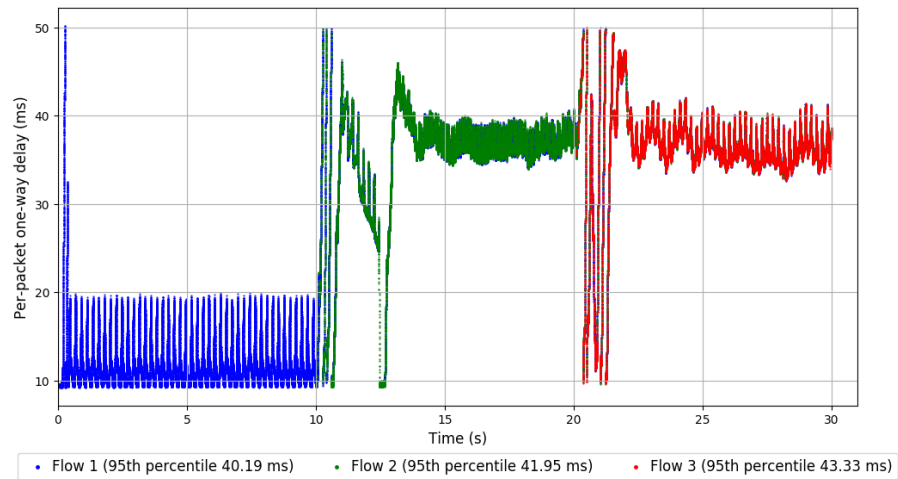
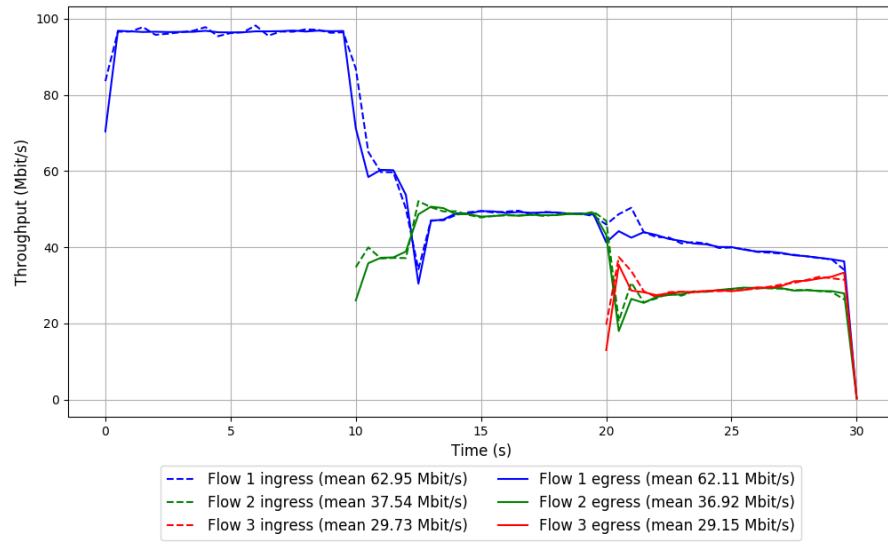


Run 4: Statistics of TCP BBR

Start at: 2018-04-03 21:59:38
End at: 2018-04-03 22:00:08
Local clock offset: 4.562 ms
Remote clock offset: -2.475 ms

Below is generated by plot.py at 2018-04-04 00:50:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 41.022 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 40.188 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 41.952 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 43.331 ms
Loss rate: 1.98%

Run 4: Report of TCP BBR — Data Link

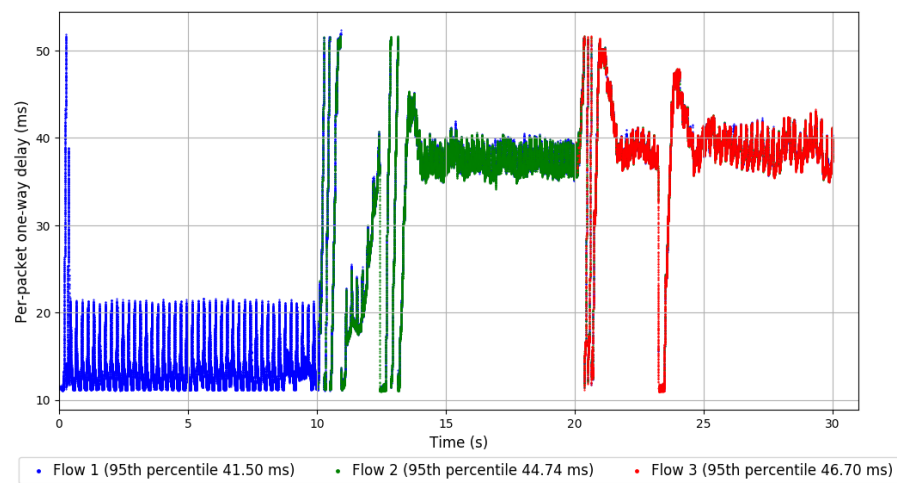
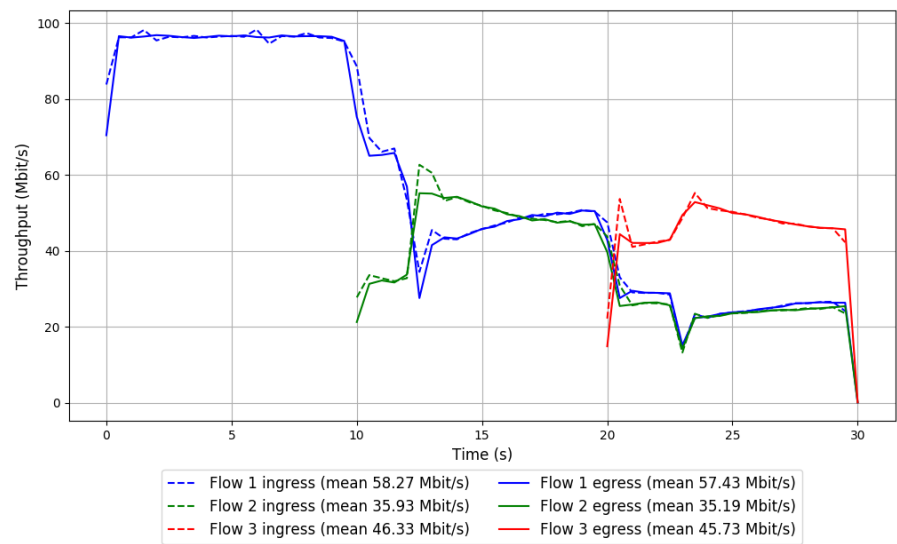


Run 5: Statistics of TCP BBR

Start at: 2018-04-03 22:20:36
End at: 2018-04-03 22:21:06
Local clock offset: 1.856 ms
Remote clock offset: -7.118 ms

Below is generated by plot.py at 2018-04-04 00:50:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 43.806 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 41.497 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 44.737 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 45.73 Mbit/s
95th percentile per-packet one-way delay: 46.697 ms
Loss rate: 1.31%

Run 5: Report of TCP BBR — Data Link

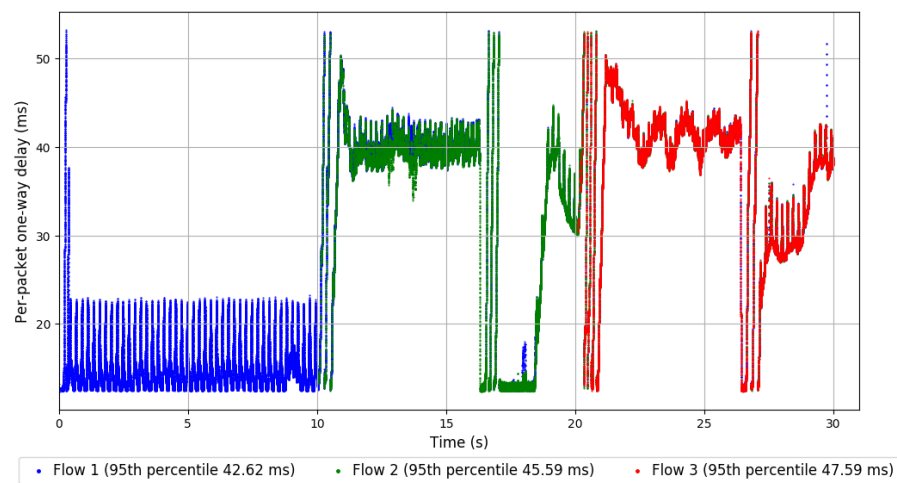
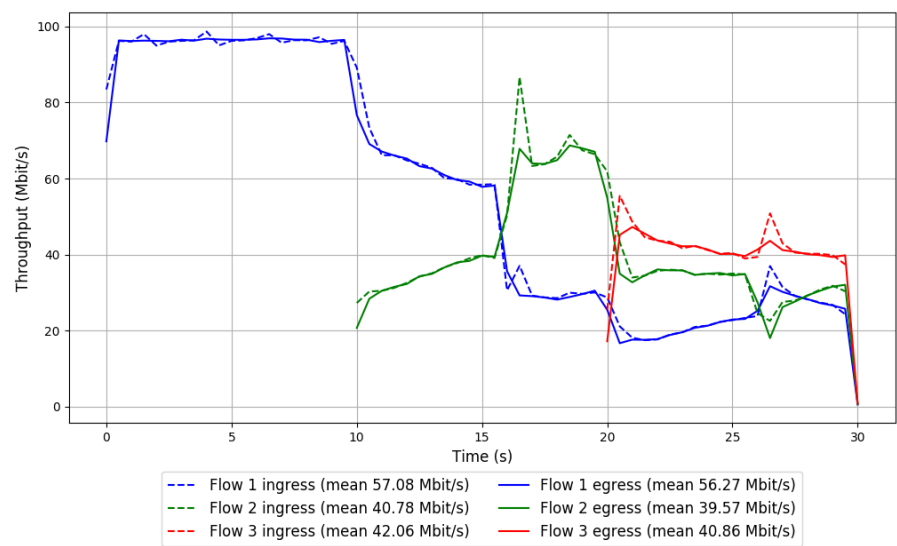


Run 6: Statistics of TCP BBR

Start at: 2018-04-03 22:41:33
End at: 2018-04-03 22:42:03
Local clock offset: 0.616 ms
Remote clock offset: -7.116 ms

Below is generated by plot.py at 2018-04-04 00:50:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 44.123 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 42.625 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 45.588 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 47.588 ms
Loss rate: 2.77%

Run 6: Report of TCP BBR — Data Link

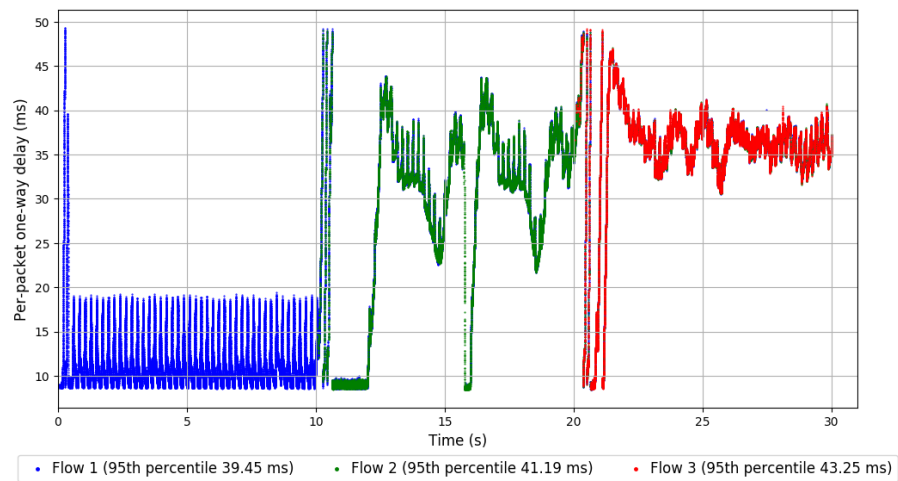
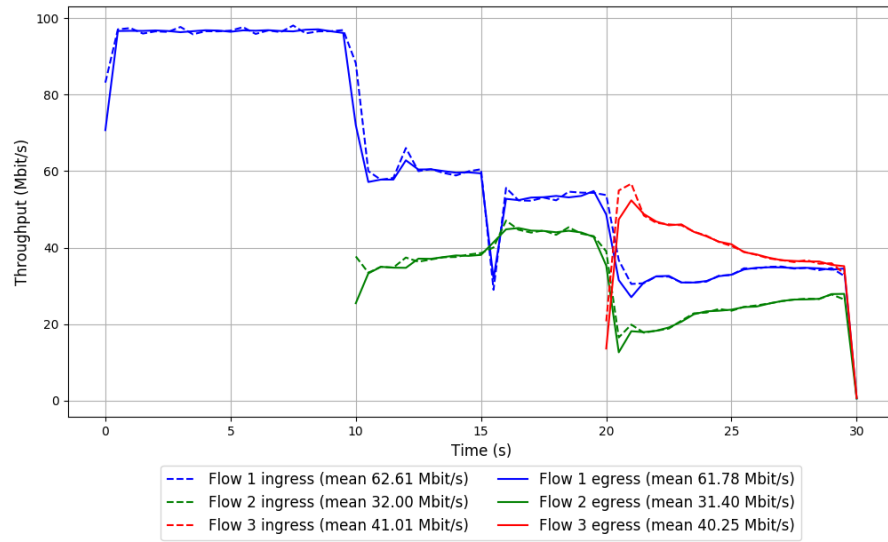


Run 7: Statistics of TCP BBR

Start at: 2018-04-03 23:02:18
End at: 2018-04-03 23:02:48
Local clock offset: 3.691 ms
Remote clock offset: -2.754 ms

Below is generated by plot.py at 2018-04-04 00:50:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 40.513 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 39.447 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 41.189 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 43.250 ms
Loss rate: 1.85%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-03 23:23:19

End at: 2018-04-03 23:23:49

Local clock offset: 0.837 ms

Remote clock offset: 3.043 ms

Below is generated by plot.py at 2018-04-04 00:50:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 48.039 ms

Loss rate: 1.73%

-- Flow 1:

Average throughput: 51.44 Mbit/s

95th percentile per-packet one-way delay: 44.549 ms

Loss rate: 1.33%

-- Flow 2:

Average throughput: 48.09 Mbit/s

95th percentile per-packet one-way delay: 48.324 ms

Loss rate: 2.24%

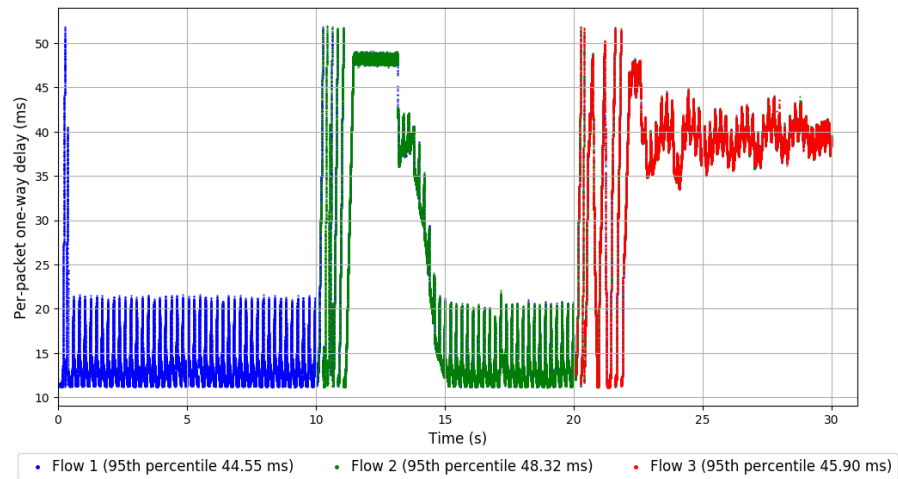
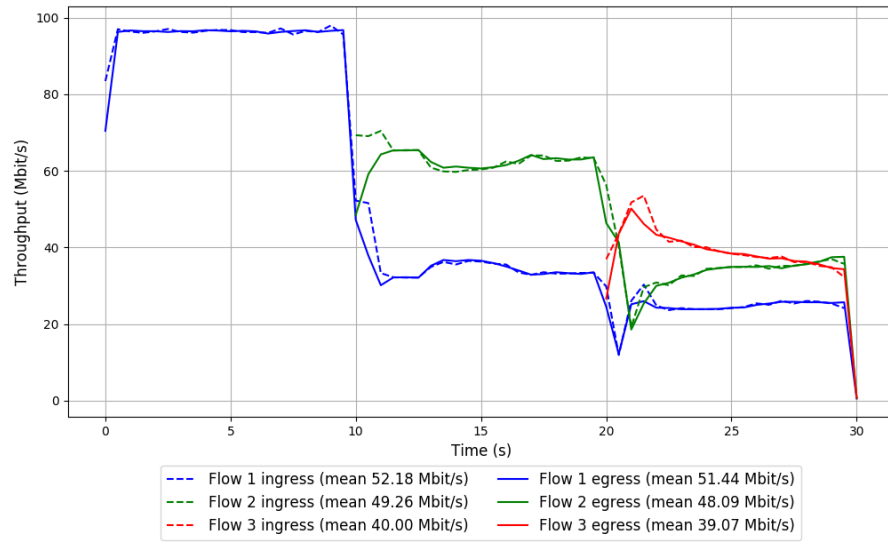
-- Flow 3:

Average throughput: 39.07 Mbit/s

95th percentile per-packet one-way delay: 45.898 ms

Loss rate: 2.06%

Run 8: Report of TCP BBR — Data Link

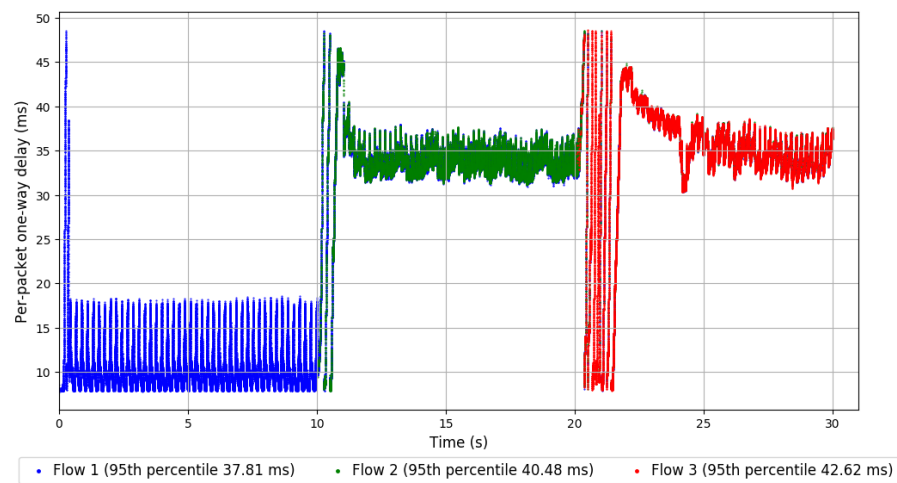
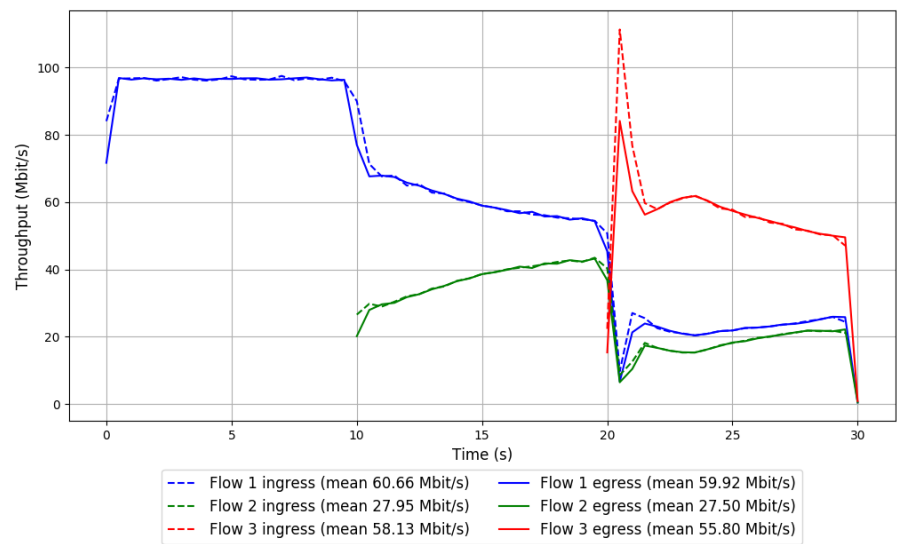


Run 9: Statistics of TCP BBR

Start at: 2018-04-03 23:44:16
End at: 2018-04-03 23:44:47
Local clock offset: 5.512 ms
Remote clock offset: -2.978 ms

Below is generated by plot.py at 2018-04-04 00:51:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 40.127 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 37.814 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 40.485 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 42.622 ms
Loss rate: 4.00%

Run 9: Report of TCP BBR — Data Link

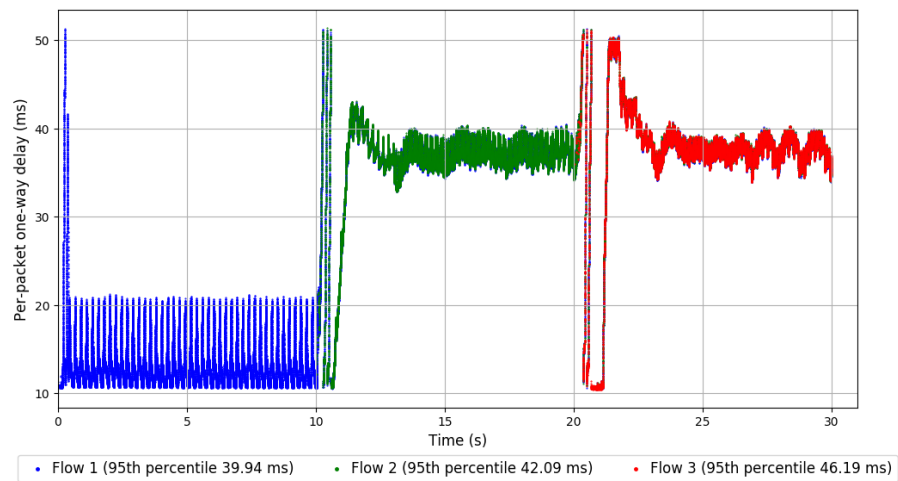
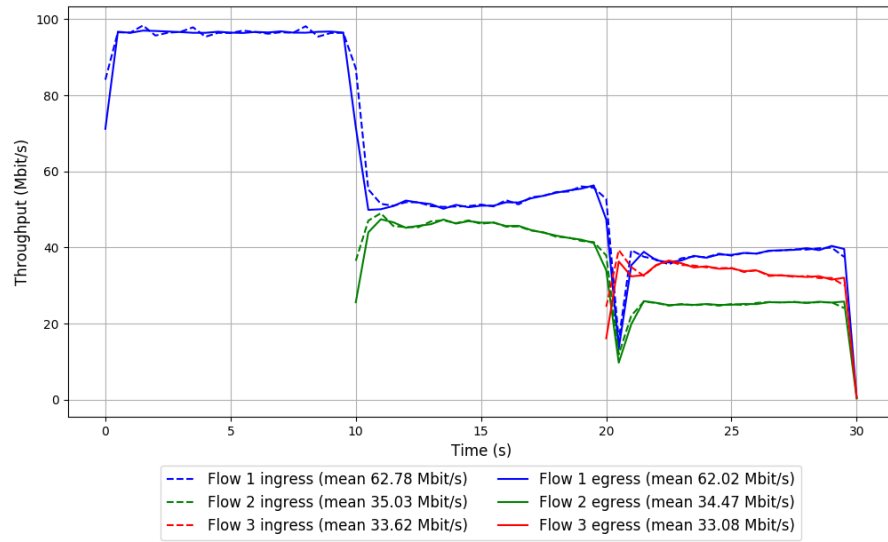


Run 10: Statistics of TCP BBR

Start at: 2018-04-04 00:05:14
End at: 2018-04-04 00:05:44
Local clock offset: 3.406 ms
Remote clock offset: -3.317 ms

Below is generated by plot.py at 2018-04-04 00:51:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 41.556 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 39.937 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 42.088 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 46.193 ms
Loss rate: 1.58%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 20:50:55

End at: 2018-04-03 20:51:25

Local clock offset: 3.781 ms

Remote clock offset: 0.793 ms

Below is generated by plot.py at 2018-04-04 00:51:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 46.168 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 46.106 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 25.44 Mbit/s

95th percentile per-packet one-way delay: 46.177 ms

Loss rate: 1.26%

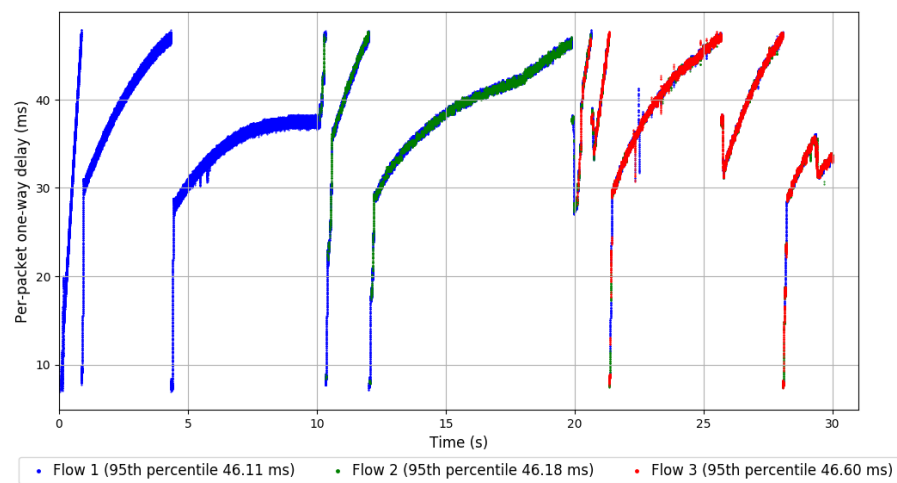
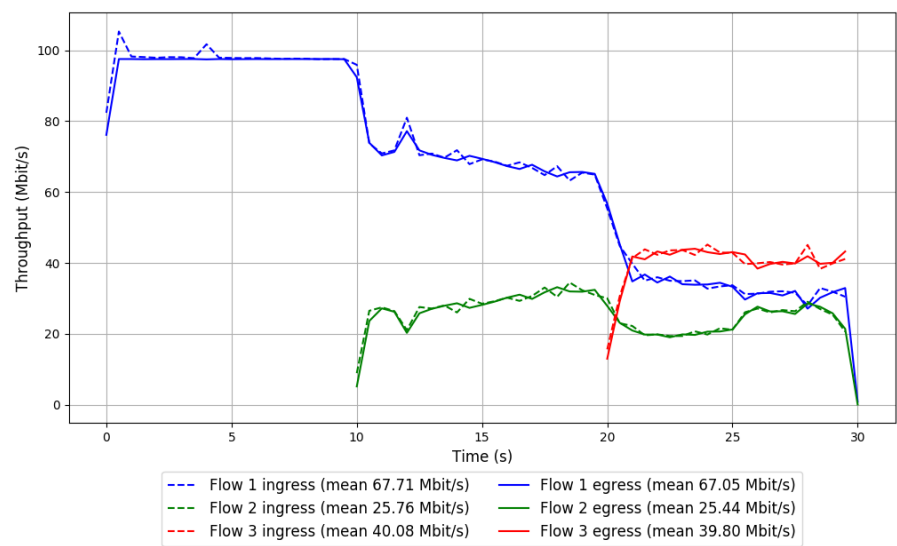
-- Flow 3:

Average throughput: 39.80 Mbit/s

95th percentile per-packet one-way delay: 46.596 ms

Loss rate: 0.66%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 21:11:55

End at: 2018-04-03 21:12:25

Local clock offset: 2.515 ms

Remote clock offset: 2.636 ms

Below is generated by plot.py at 2018-04-04 00:51:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 48.638 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 63.33 Mbit/s

95th percentile per-packet one-way delay: 48.447 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 29.02 Mbit/s

95th percentile per-packet one-way delay: 48.902 ms

Loss rate: 0.97%

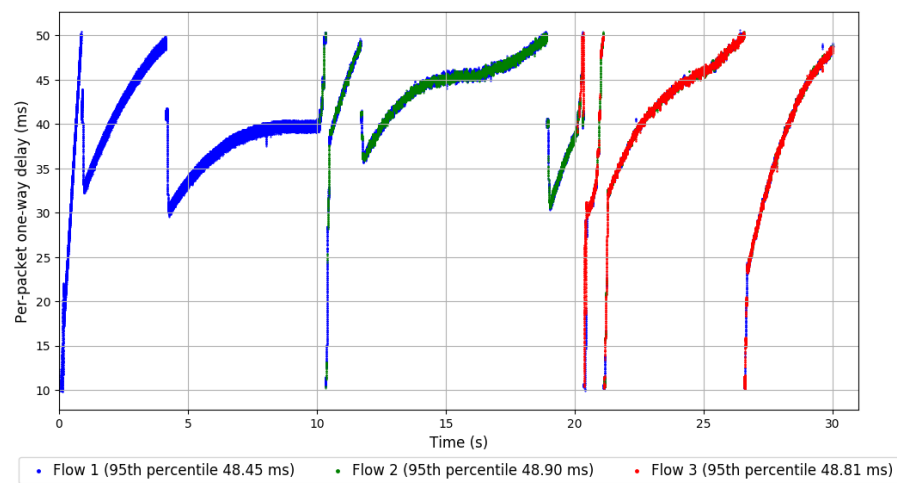
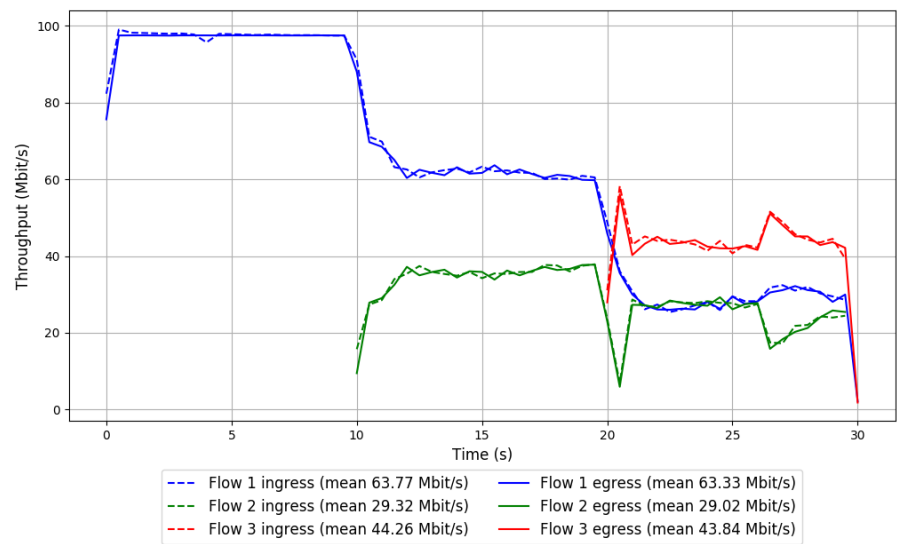
-- Flow 3:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 48.813 ms

Loss rate: 0.86%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 21:32:56

End at: 2018-04-03 21:33:26

Local clock offset: 3.358 ms

Remote clock offset: 5.318 ms

Below is generated by plot.py at 2018-04-04 00:51:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 49.514 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 49.304 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 47.05 Mbit/s

95th percentile per-packet one-way delay: 49.575 ms

Loss rate: 0.98%

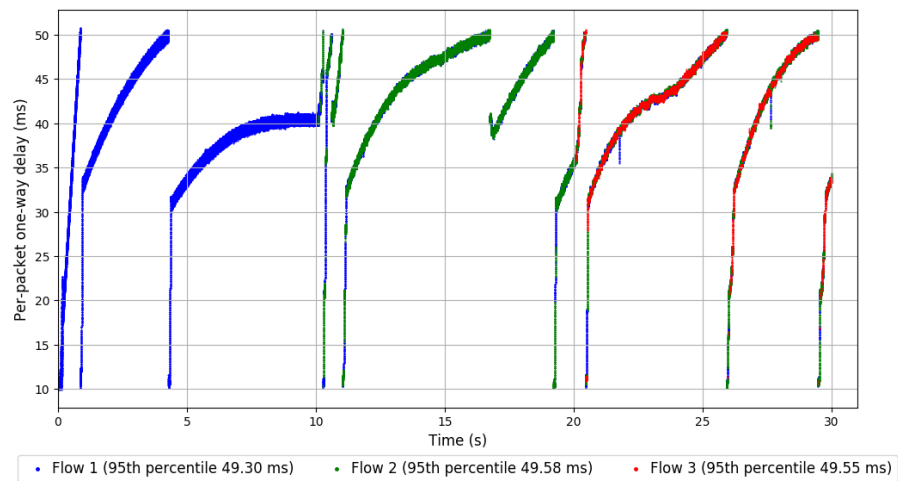
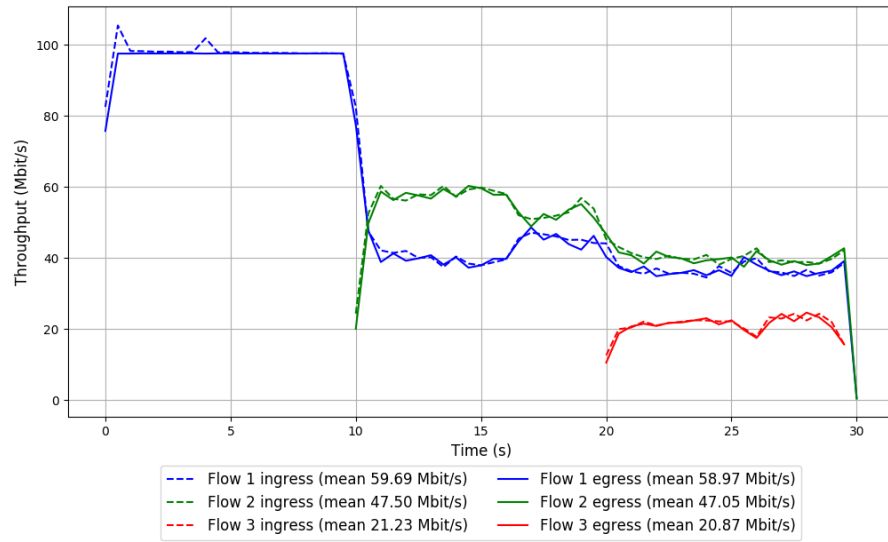
-- Flow 3:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 49.553 ms

Loss rate: 1.71%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-04-03 21:53:55

End at: 2018-04-03 21:54:25

Local clock offset: 4.096 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-04-04 00:51:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 47.977 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 69.83 Mbit/s

95th percentile per-packet one-way delay: 47.894 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 48.189 ms

Loss rate: 1.02%

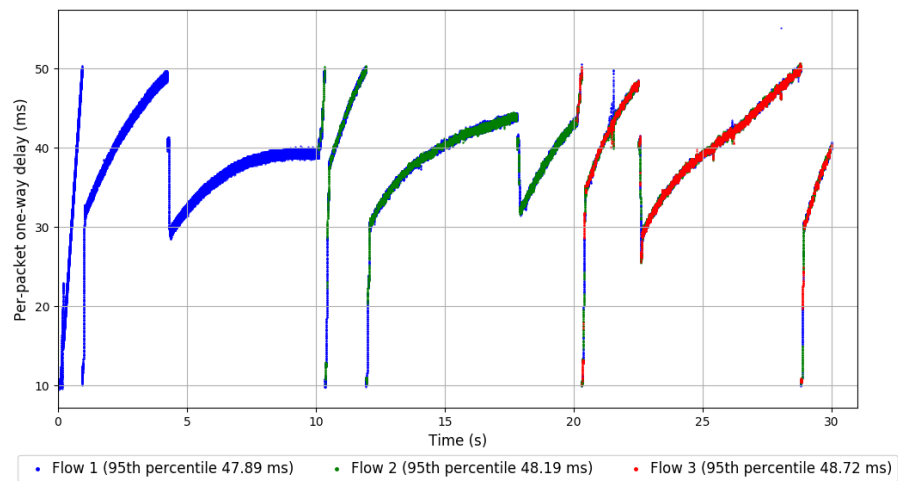
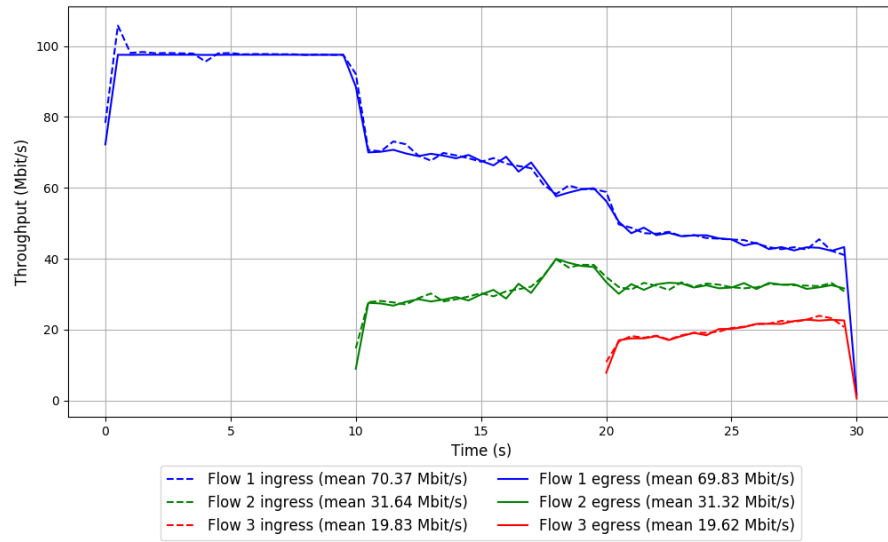
-- Flow 3:

Average throughput: 19.62 Mbit/s

95th percentile per-packet one-way delay: 48.724 ms

Loss rate: 1.12%

Run 4: Report of TCP Cubic — Data Link

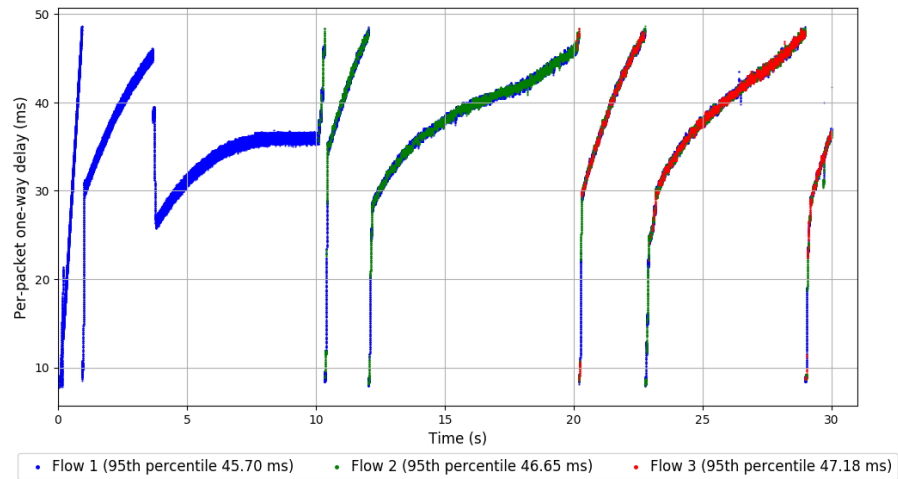
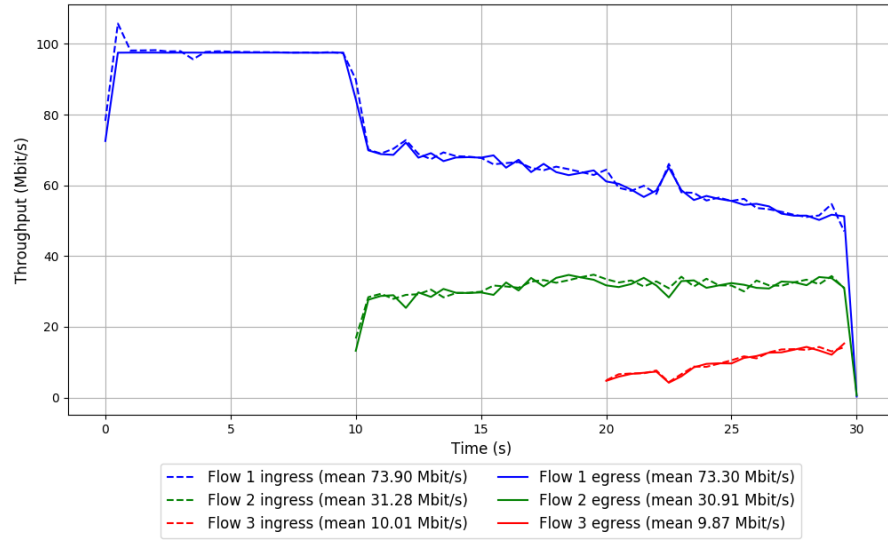


Run 5: Statistics of TCP Cubic

Start at: 2018-04-03 22:14:53
End at: 2018-04-03 22:15:23
Local clock offset: 5.386 ms
Remote clock offset: -6.554 ms

Below is generated by plot.py at 2018-04-04 00:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 45.944 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 45.702 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 46.648 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 47.180 ms
Loss rate: 1.51%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-03 22:35:51

End at: 2018-04-03 22:36:21

Local clock offset: 2.376 ms

Remote clock offset: -8.1 ms

Below is generated by plot.py at 2018-04-04 00:52:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 48.414 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 48.355 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 28.00 Mbit/s

95th percentile per-packet one-way delay: 48.382 ms

Loss rate: 1.53%

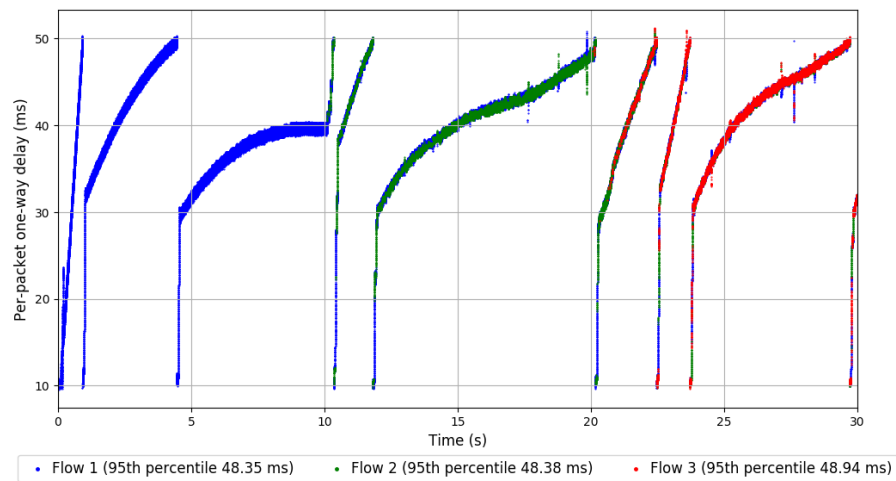
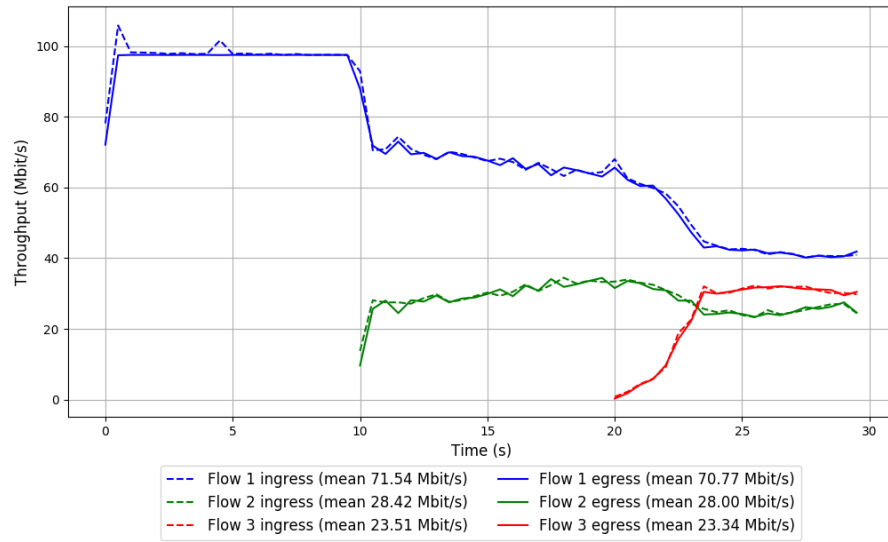
-- Flow 3:

Average throughput: 23.34 Mbit/s

95th percentile per-packet one-way delay: 48.939 ms

Loss rate: 0.88%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-03 22:56:49

End at: 2018-04-03 22:57:19

Local clock offset: 1.73 ms

Remote clock offset: -7.68 ms

Below is generated by plot.py at 2018-04-04 00:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 48.206 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 74.21 Mbit/s

95th percentile per-packet one-way delay: 48.196 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 29.66 Mbit/s

95th percentile per-packet one-way delay: 48.124 ms

Loss rate: 0.98%

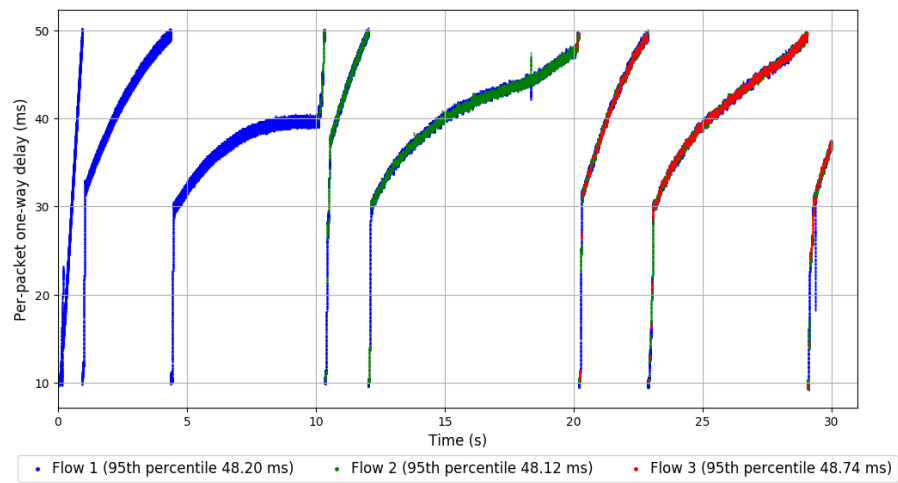
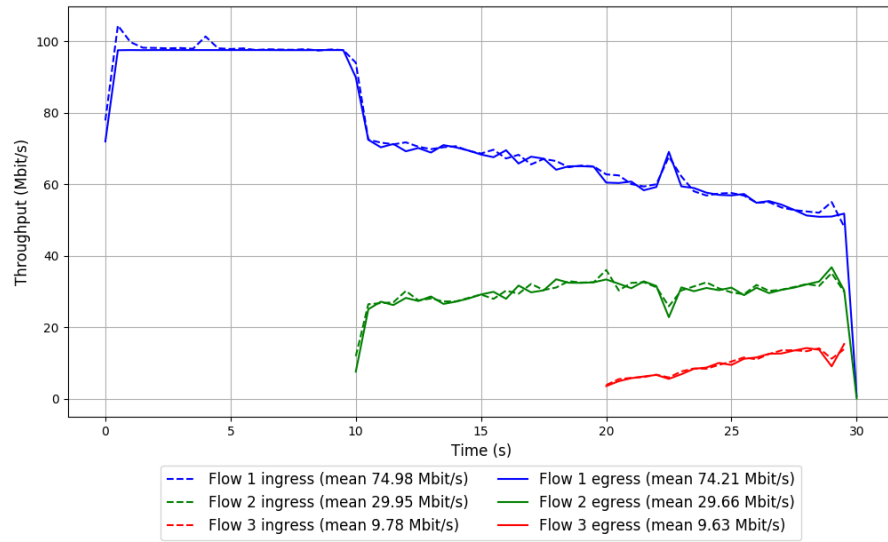
-- Flow 3:

Average throughput: 9.63 Mbit/s

95th percentile per-packet one-way delay: 48.739 ms

Loss rate: 1.62%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-04-03 23:17:36

End at: 2018-04-03 23:18:06

Local clock offset: 2.854 ms

Remote clock offset: 1.937 ms

Below is generated by plot.py at 2018-04-04 00:53:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 47.624 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 74.64 Mbit/s

95th percentile per-packet one-way delay: 47.600 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 28.45 Mbit/s

95th percentile per-packet one-way delay: 47.635 ms

Loss rate: 1.20%

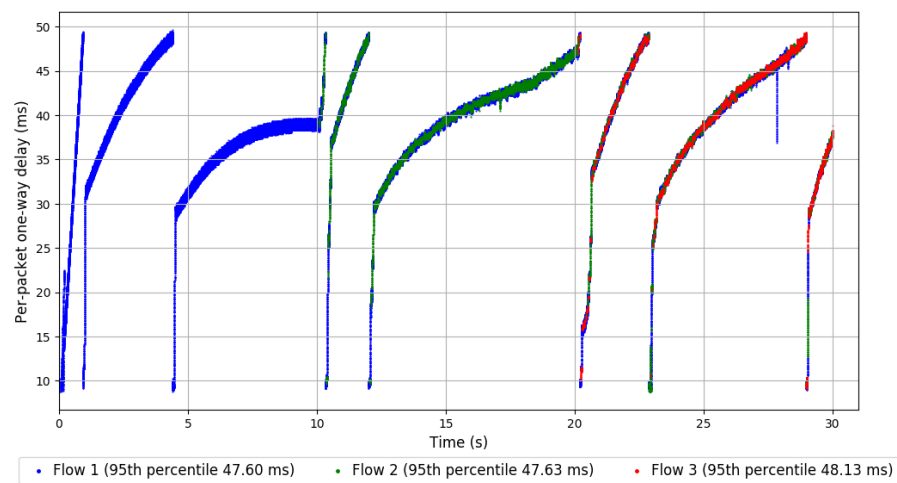
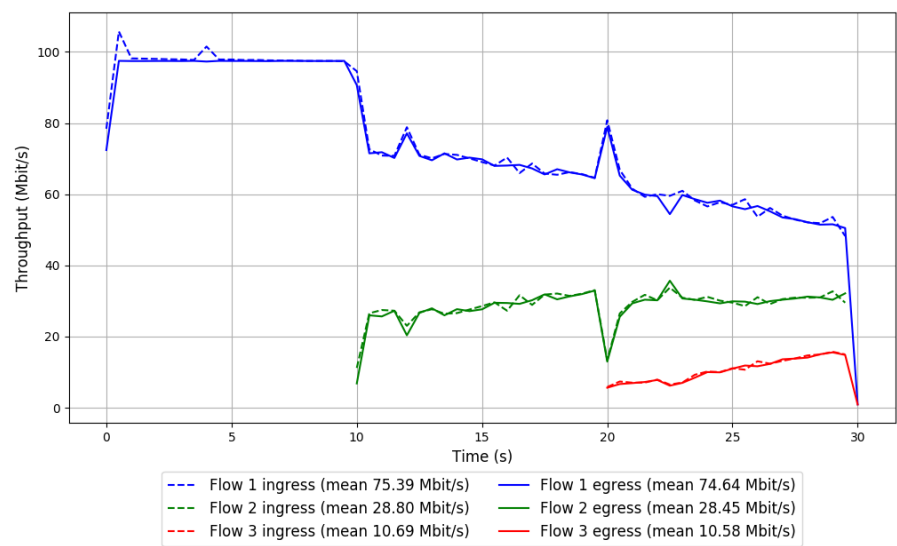
-- Flow 3:

Average throughput: 10.58 Mbit/s

95th percentile per-packet one-way delay: 48.134 ms

Loss rate: 1.13%

Run 8: Report of TCP Cubic — Data Link

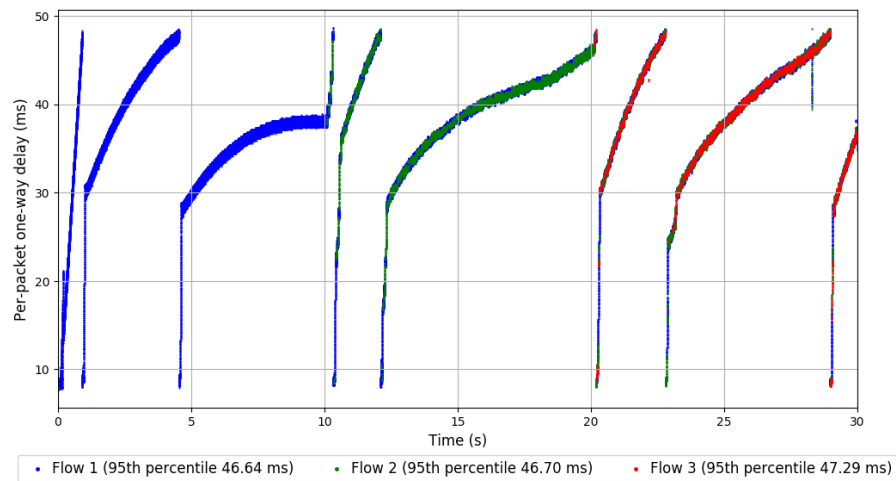
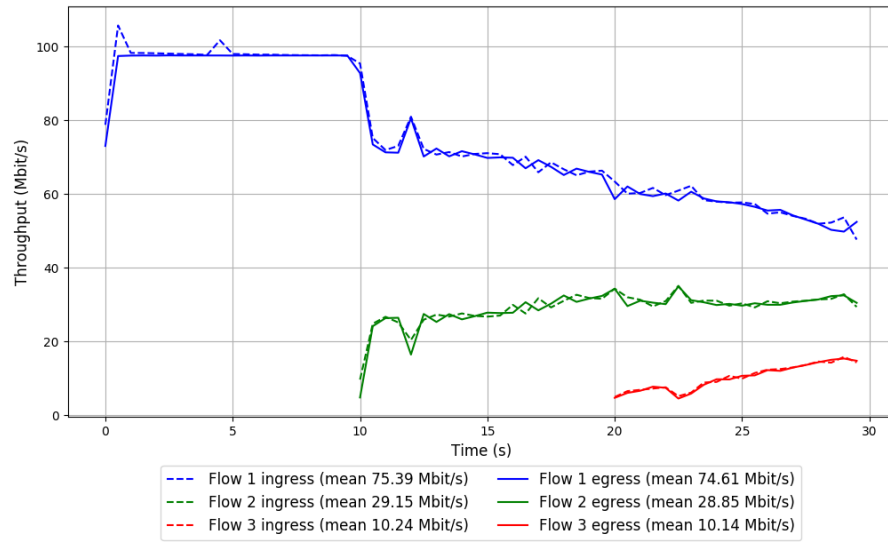


Run 9: Statistics of TCP Cubic

Start at: 2018-04-03 23:38:34
End at: 2018-04-03 23:39:04
Local clock offset: 4.869 ms
Remote clock offset: -1.962 ms

Below is generated by plot.py at 2018-04-04 00:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 46.665 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 46.640 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 46.704 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 47.294 ms
Loss rate: 1.12%

Run 9: Report of TCP Cubic — Data Link

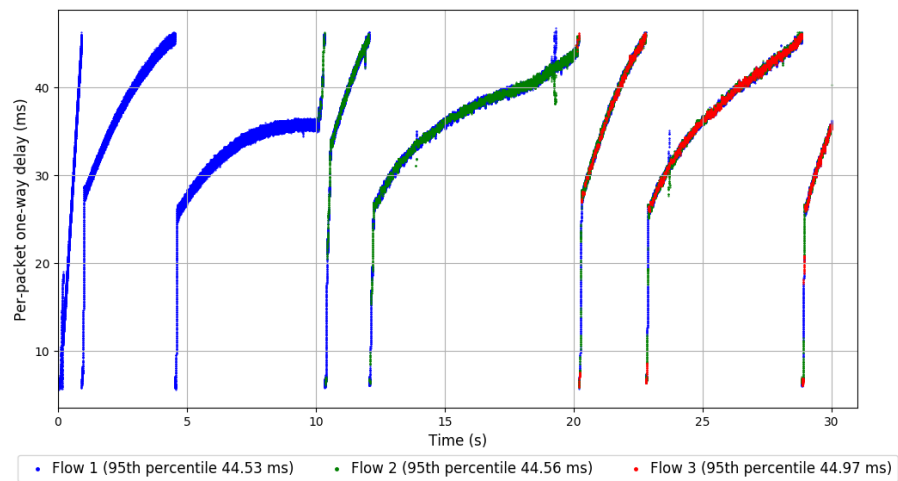
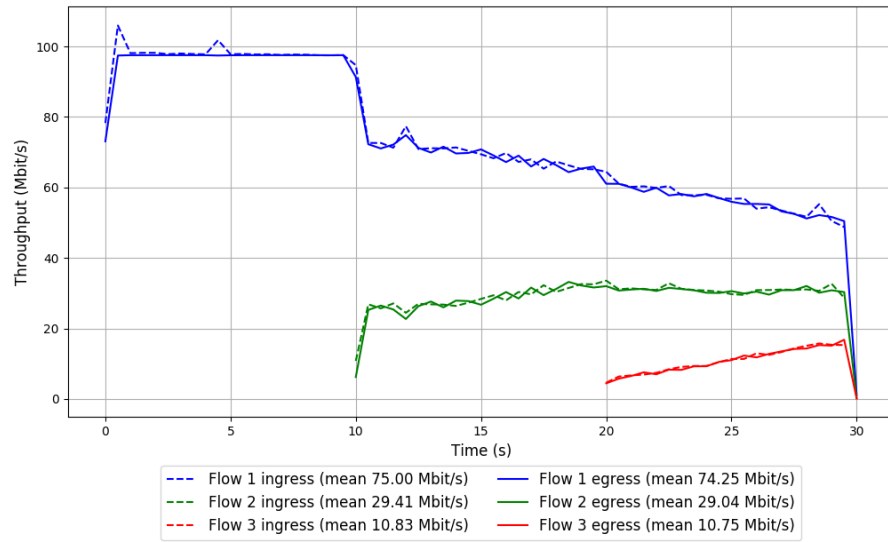


Run 10: Statistics of TCP Cubic

Start at: 2018-04-03 23:59:31
End at: 2018-04-04 00:00:01
Local clock offset: 3.026 ms
Remote clock offset: -9.612 ms

Below is generated by plot.py at 2018-04-04 00:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 44.551 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 44.530 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 44.561 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 44.966 ms
Loss rate: 0.87%

Run 10: Report of TCP Cubic — Data Link

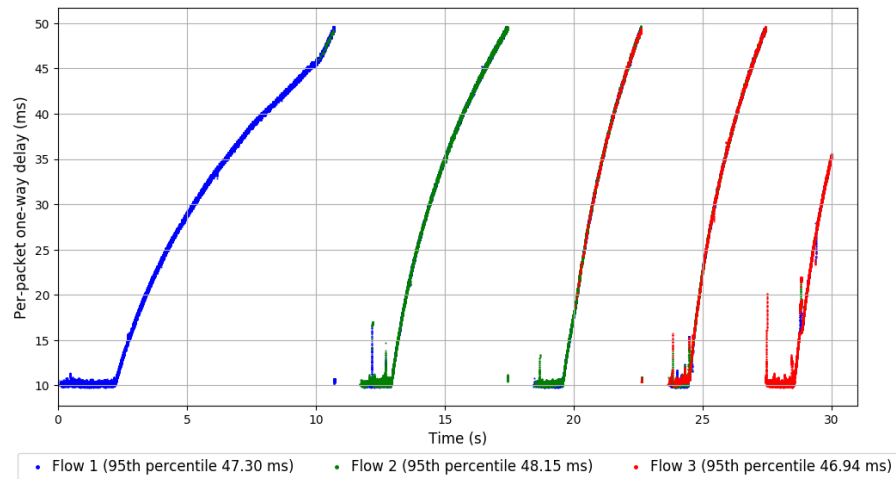
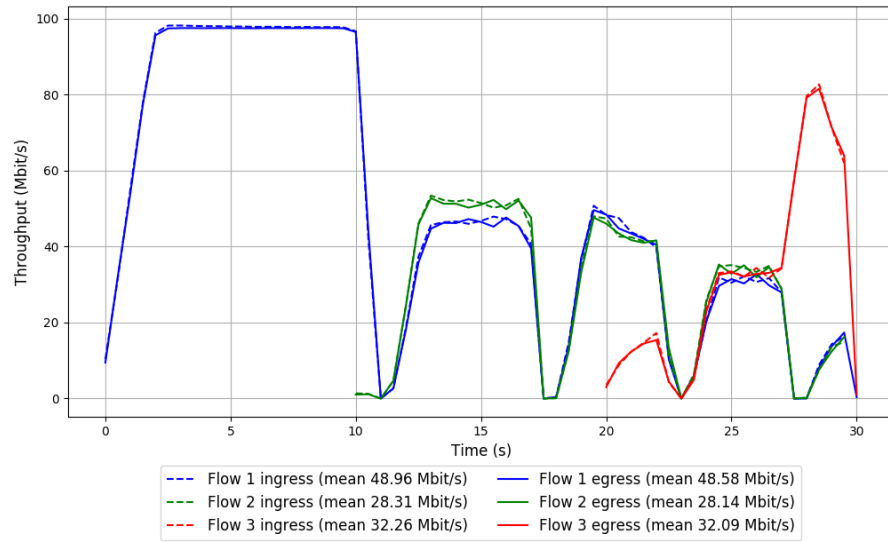


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-03 21:03:46
End at: 2018-04-03 21:04:16
Local clock offset: 3.441 ms
Remote clock offset: 3.579 ms

# Below is generated by plot.py at 2018-04-04 00:53:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 47.590 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 47.302 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 48.148 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 46.943 ms
Loss rate: 0.38%
```

Run 1: Report of LEDBAT — Data Link

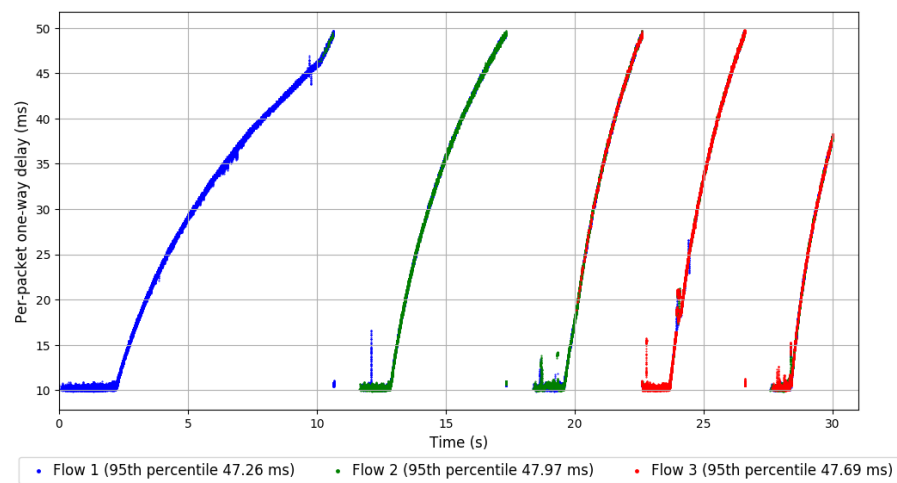
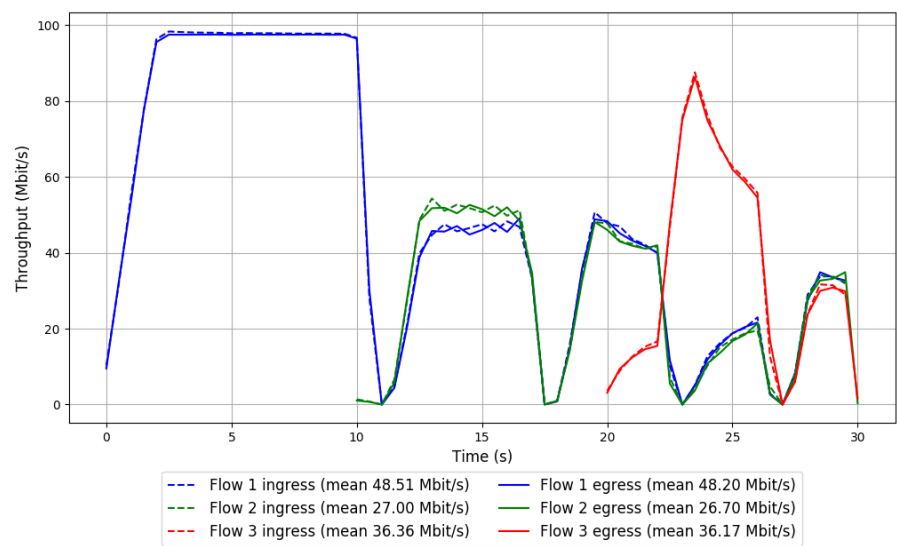


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-03 21:24:48
End at: 2018-04-03 21:25:18
Local clock offset: 4.076 ms
Remote clock offset: 5.449 ms

# Below is generated by plot.py at 2018-04-04 00:53:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 47.537 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 47.262 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 47.970 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 47.691 ms
Loss rate: 0.32%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-03 21:45:47

End at: 2018-04-03 21:46:17

Local clock offset: 4.325 ms

Remote clock offset: 6.998 ms

Below is generated by plot.py at 2018-04-04 00:53:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.89 Mbit/s

95th percentile per-packet one-way delay: 47.847 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 52.14 Mbit/s

95th percentile per-packet one-way delay: 47.521 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 26.71 Mbit/s

95th percentile per-packet one-way delay: 48.314 ms

Loss rate: 0.89%

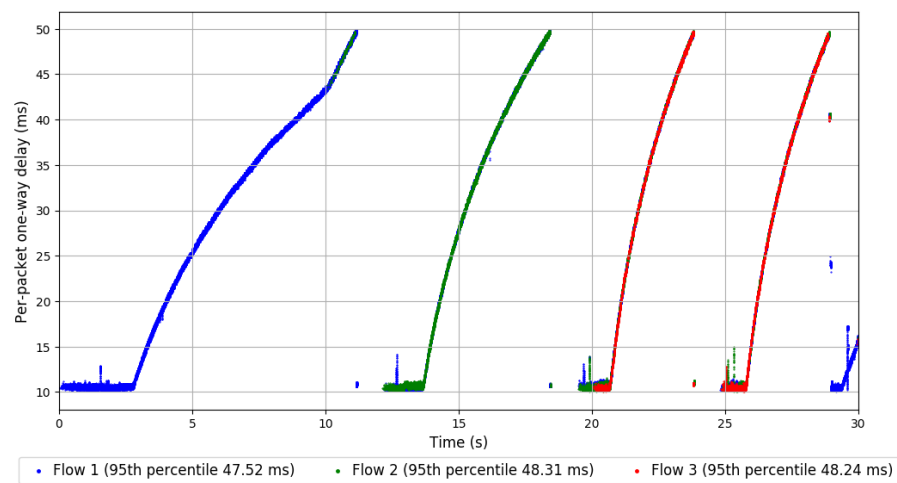
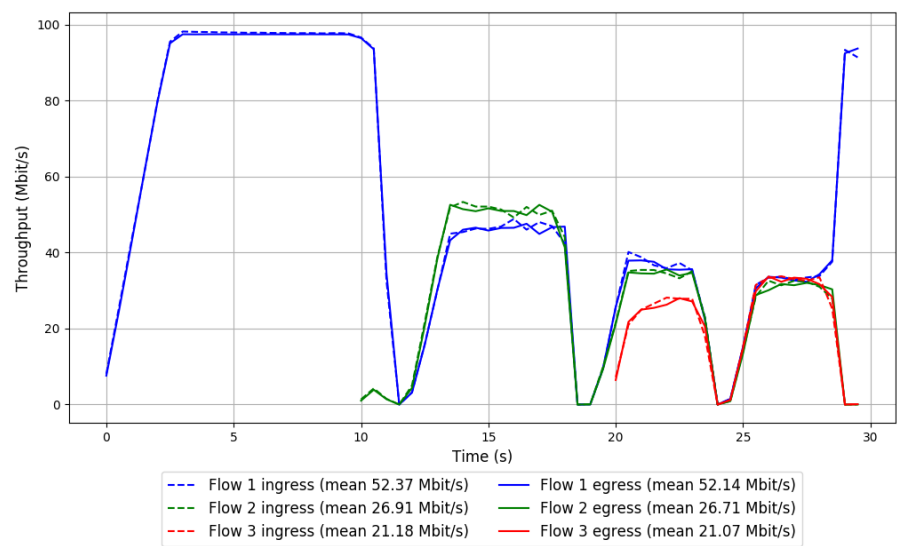
-- Flow 3:

Average throughput: 21.07 Mbit/s

95th percentile per-packet one-way delay: 48.239 ms

Loss rate: 0.49%

Run 3: Report of LEDBAT — Data Link

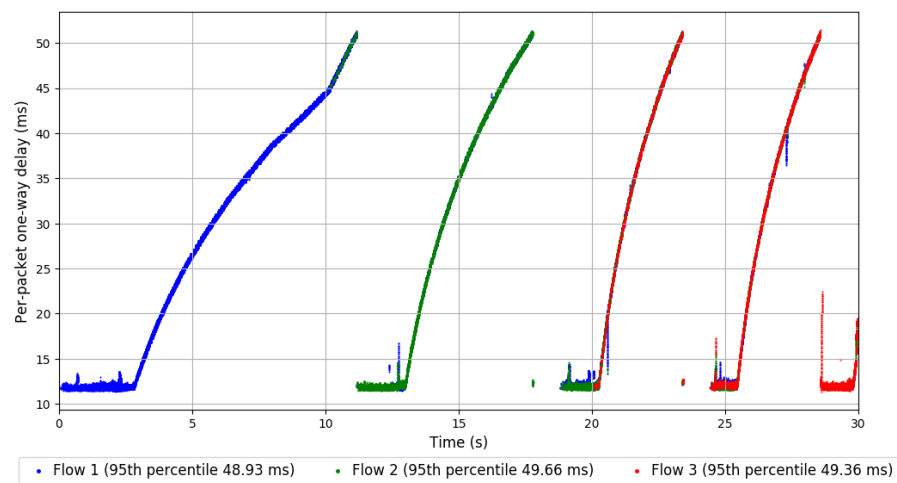
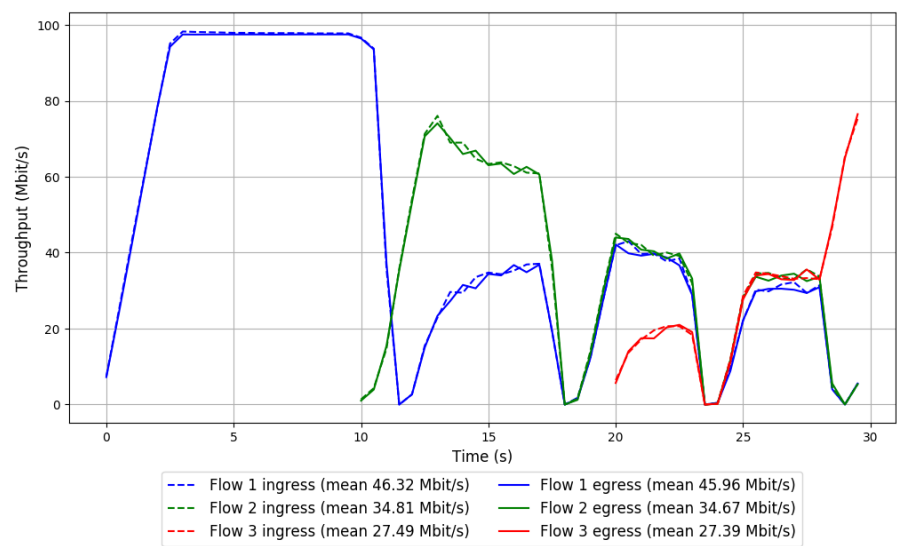


Run 4: Statistics of LEDBAT

Start at: 2018-04-03 22:06:44
End at: 2018-04-03 22:07:14
Local clock offset: 3.146 ms
Remote clock offset: -3.508 ms

Below is generated by plot.py at 2018-04-04 00:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.06 Mbit/s
95th percentile per-packet one-way delay: 49.207 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 45.96 Mbit/s
95th percentile per-packet one-way delay: 48.927 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: 49.660 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 27.39 Mbit/s
95th percentile per-packet one-way delay: 49.364 ms
Loss rate: 0.31%

Run 4: Report of LEDBAT — Data Link

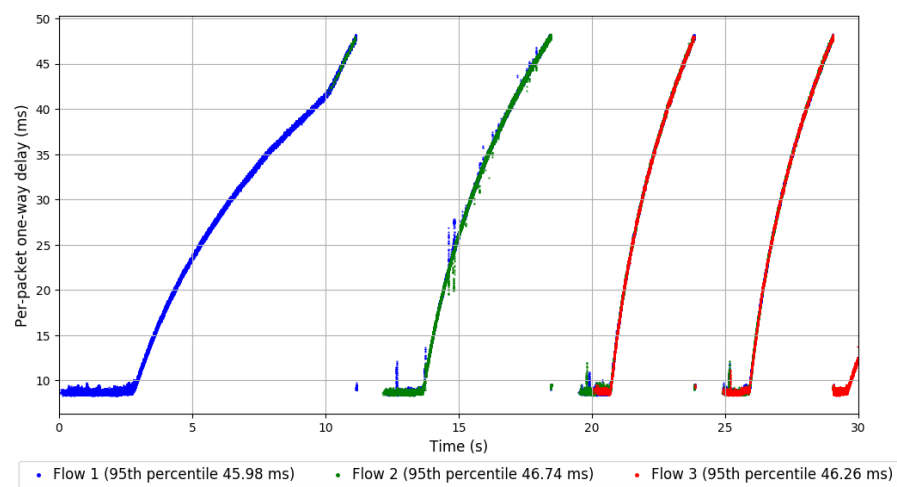
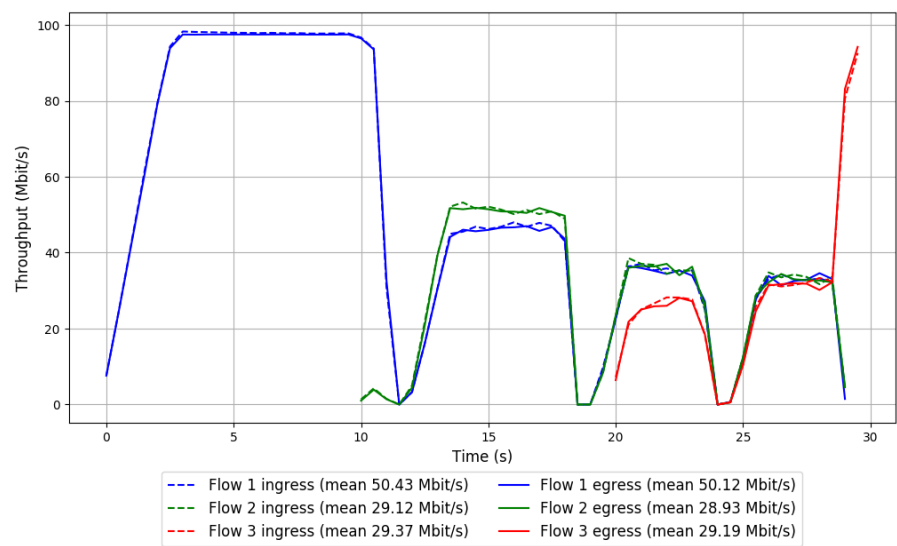


Run 5: Statistics of LEDBAT

Start at: 2018-04-03 22:27:42
End at: 2018-04-03 22:28:12
Local clock offset: 4.34 ms
Remote clock offset: -6.903 ms

Below is generated by plot.py at 2018-04-04 00:54:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.63 Mbit/s
95th percentile per-packet one-way delay: 46.242 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 45.978 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 46.740 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 46.257 ms
Loss rate: 0.59%

Run 5: Report of LEDBAT — Data Link

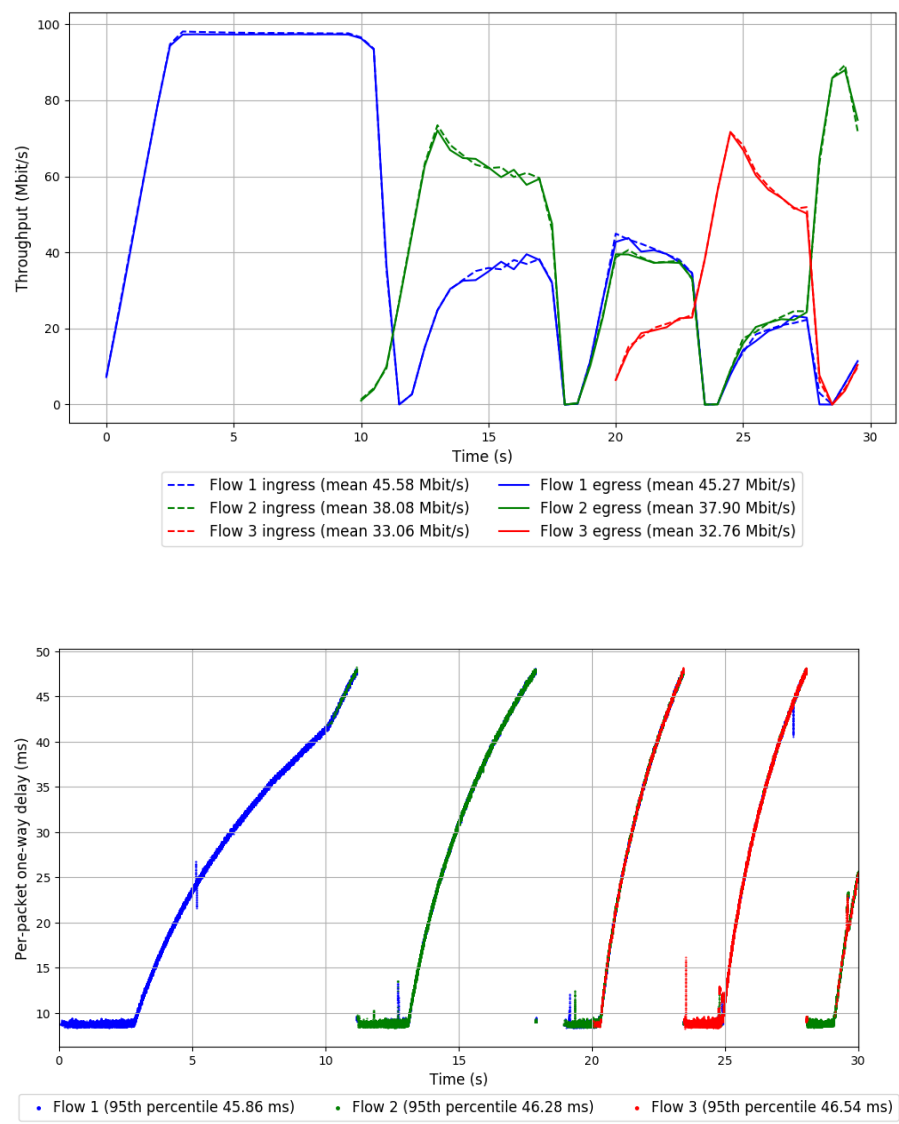


Run 6: Statistics of LEDBAT

Start at: 2018-04-03 22:48:39
End at: 2018-04-03 22:49:09
Local clock offset: 3.847 ms
Remote clock offset: -8.415 ms

Below is generated by plot.py at 2018-04-04 00:54:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 46.077 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 45.27 Mbit/s
95th percentile per-packet one-way delay: 45.864 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 46.285 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 46.542 ms
Loss rate: 0.75%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-03 23:09:28

End at: 2018-04-03 23:09:58

Local clock offset: 2.638 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-04-04 00:54:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.84 Mbit/s

95th percentile per-packet one-way delay: 46.193 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 47.31 Mbit/s

95th percentile per-packet one-way delay: 45.921 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 25.11 Mbit/s

95th percentile per-packet one-way delay: 46.656 ms

Loss rate: 1.02%

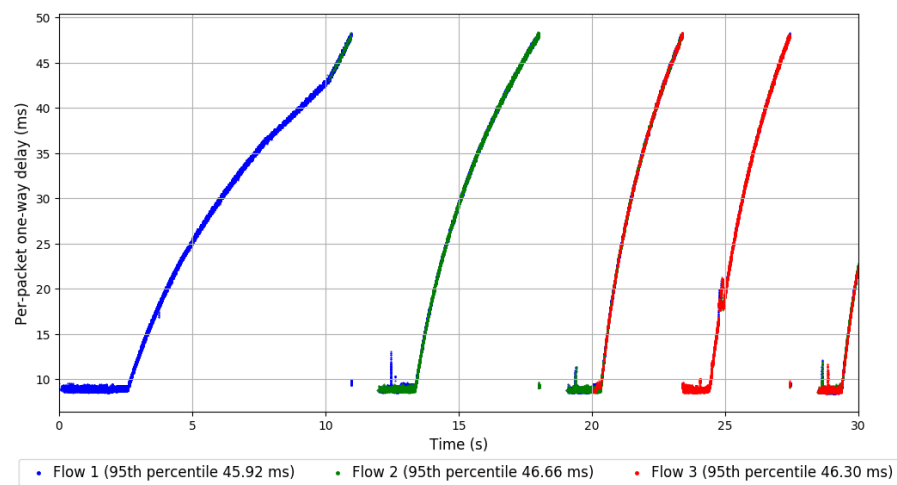
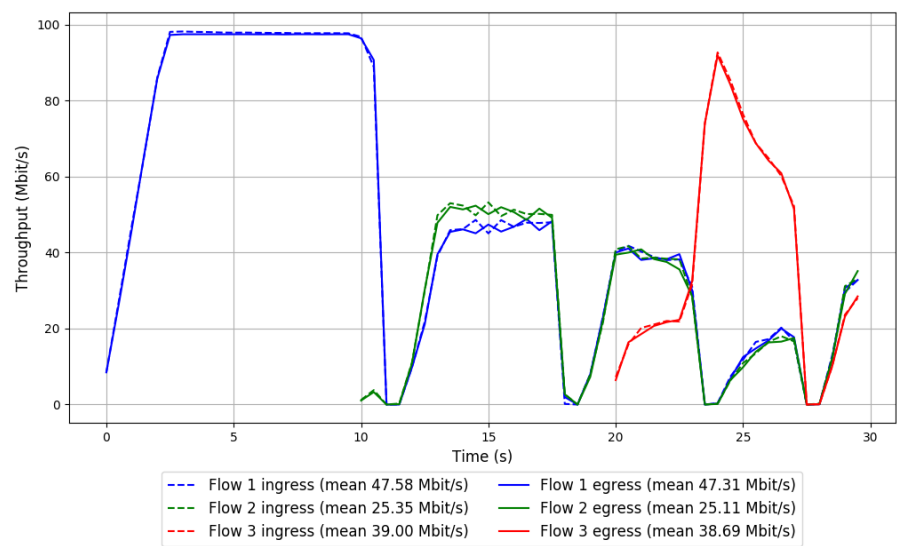
-- Flow 3:

Average throughput: 38.69 Mbit/s

95th percentile per-packet one-way delay: 46.301 ms

Loss rate: 0.65%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-03 23:30:25

End at: 2018-04-03 23:30:55

Local clock offset: 1.042 ms

Remote clock offset: 4.451 ms

Below is generated by plot.py at 2018-04-04 00:54:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.58 Mbit/s

95th percentile per-packet one-way delay: 50.813 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 45.48 Mbit/s

95th percentile per-packet one-way delay: 50.441 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 32.13 Mbit/s

95th percentile per-packet one-way delay: 51.216 ms

Loss rate: 0.87%

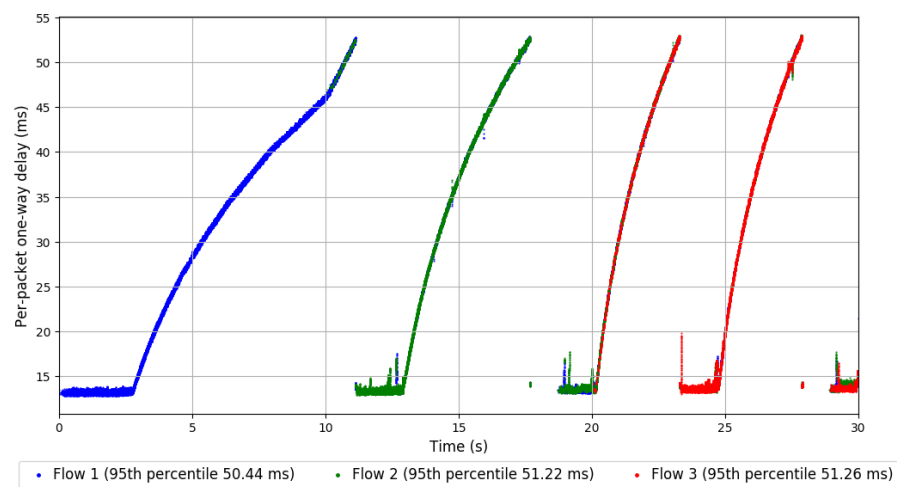
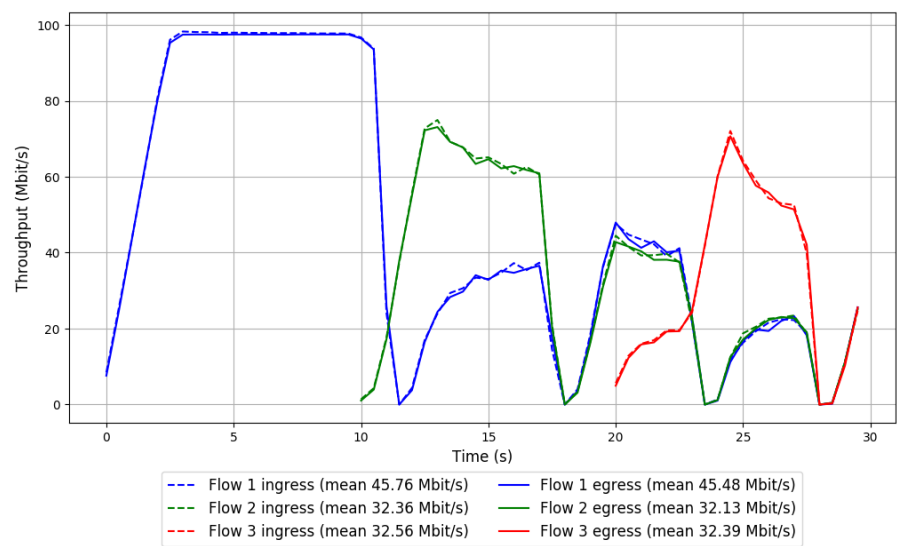
-- Flow 3:

Average throughput: 32.39 Mbit/s

95th percentile per-packet one-way delay: 51.259 ms

Loss rate: 0.50%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-03 23:51:23

End at: 2018-04-03 23:51:53

Local clock offset: 4.952 ms

Remote clock offset: -3.42 ms

Below is generated by plot.py at 2018-04-04 00:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.87 Mbit/s

95th percentile per-packet one-way delay: 46.961 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 50.01 Mbit/s

95th percentile per-packet one-way delay: 46.638 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 33.34 Mbit/s

95th percentile per-packet one-way delay: 47.387 ms

Loss rate: 0.91%

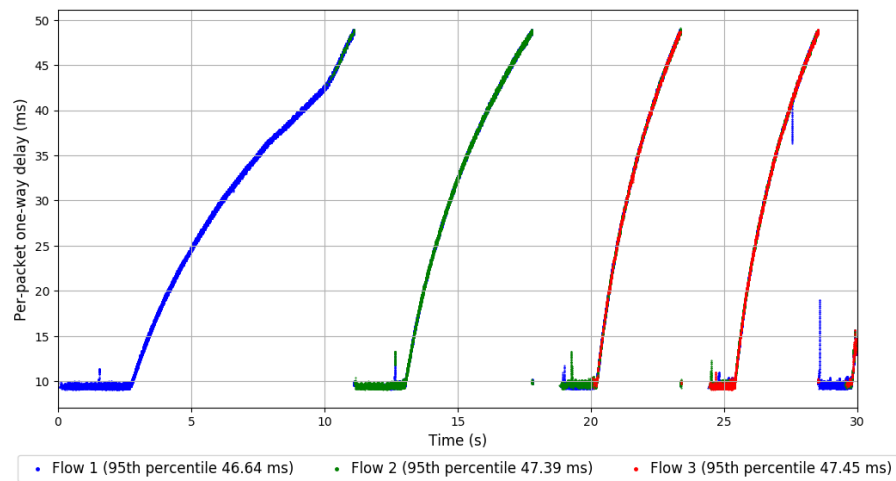
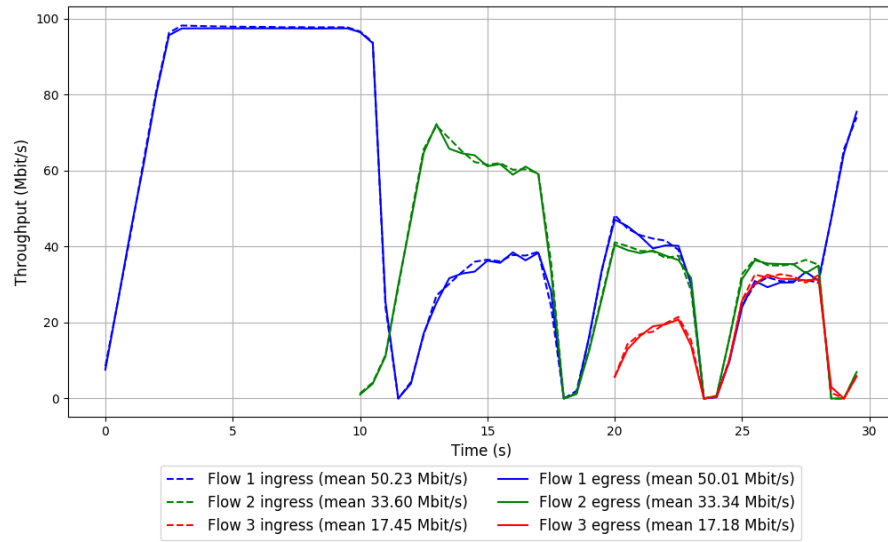
-- Flow 3:

Average throughput: 17.18 Mbit/s

95th percentile per-packet one-way delay: 47.455 ms

Loss rate: 1.53%

Run 9: Report of LEDBAT — Data Link

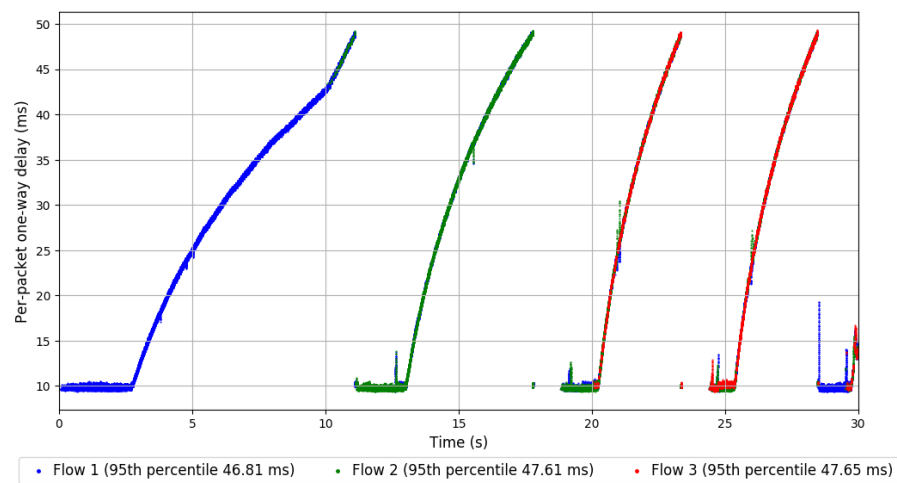
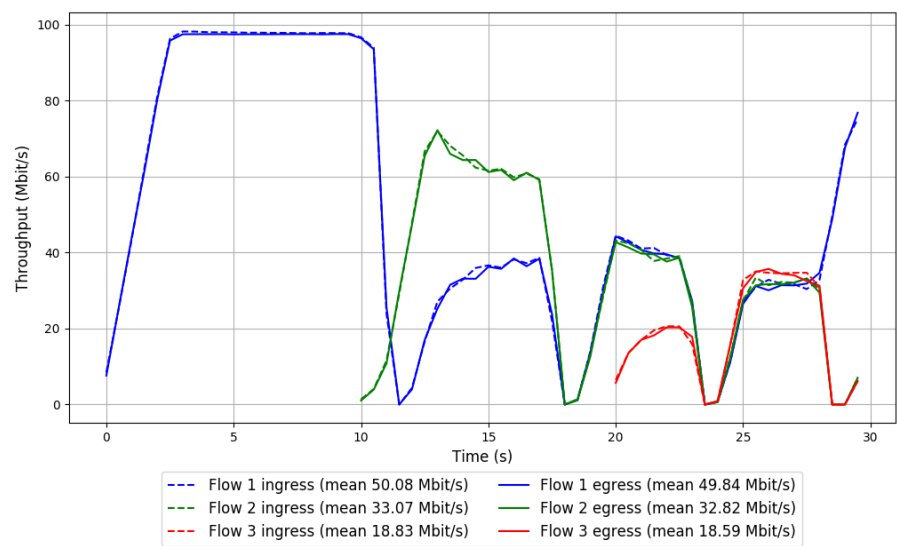


Run 10: Statistics of LEDBAT

Start at: 2018-04-04 00:12:20
End at: 2018-04-04 00:12:50
Local clock offset: 2.839 ms
Remote clock offset: -3.426 ms

Below is generated by plot.py at 2018-04-04 00:54:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.81 Mbit/s
95th percentile per-packet one-way delay: 47.237 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 46.807 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 47.606 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 18.59 Mbit/s
95th percentile per-packet one-way delay: 47.647 ms
Loss rate: 1.24%

Run 10: Report of LEDBAT — Data Link

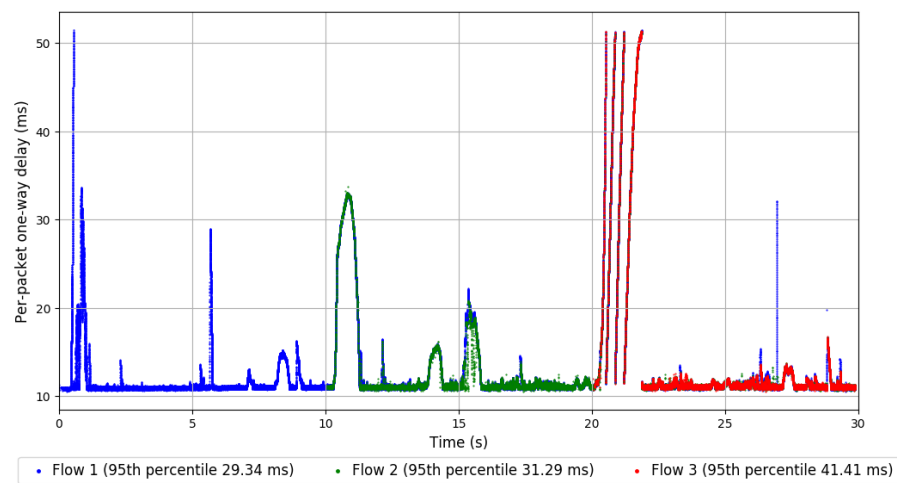
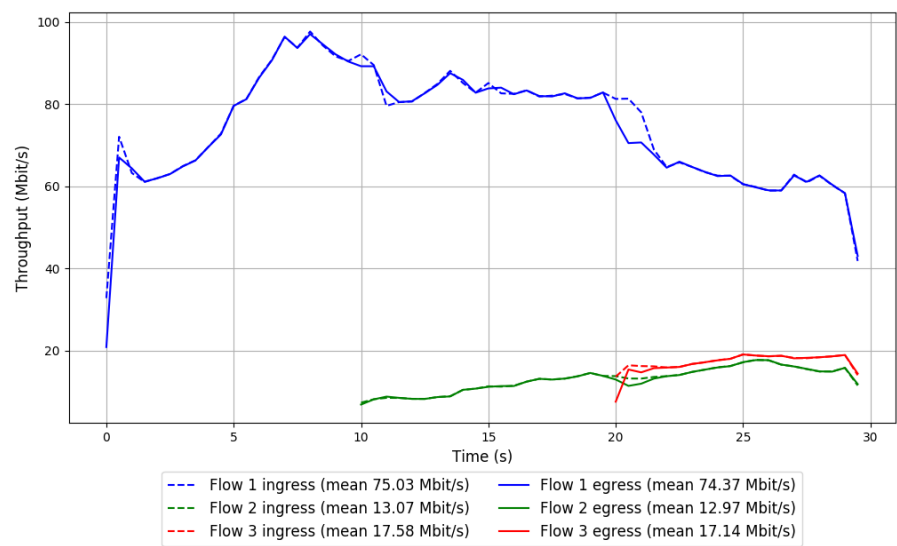


```
Run 1: Statistics of PCC

Start at: 2018-04-03 20:59:00
End at: 2018-04-03 20:59:30
Local clock offset: 0.994 ms
Remote clock offset: 1.761 ms

# Below is generated by plot.py at 2018-04-04 00:54:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.65 Mbit/s
95th percentile per-packet one-way delay: 30.043 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 29.344 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 31.291 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 17.14 Mbit/s
95th percentile per-packet one-way delay: 41.408 ms
Loss rate: 2.53%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-04-03 21:20:05

End at: 2018-04-03 21:20:35

Local clock offset: 6.057 ms

Remote clock offset: 4.479 ms

Below is generated by plot.py at 2018-04-04 00:54:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.63 Mbit/s

95th percentile per-packet one-way delay: 42.010 ms

Loss rate: 1.85%

-- Flow 1:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 40.966 ms

Loss rate: 1.64%

-- Flow 2:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 43.683 ms

Loss rate: 1.97%

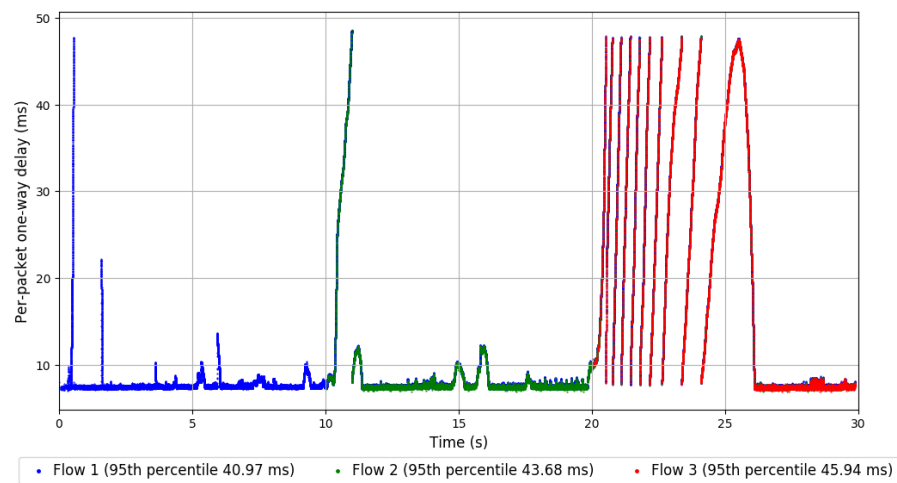
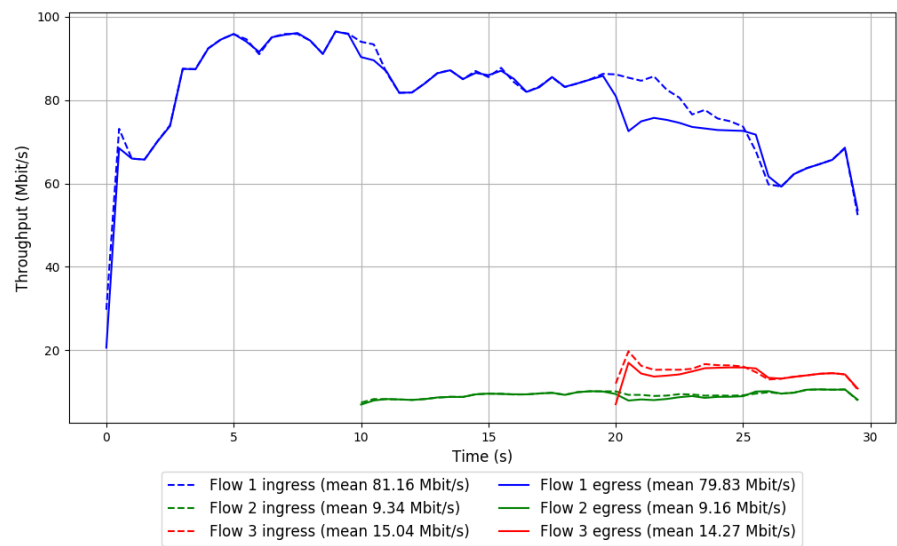
-- Flow 3:

Average throughput: 14.27 Mbit/s

95th percentile per-packet one-way delay: 45.942 ms

Loss rate: 5.12%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-04-03 21:41:03

End at: 2018-04-03 21:41:33

Local clock offset: 5.309 ms

Remote clock offset: 6.046 ms

Below is generated by plot.py at 2018-04-04 00:55:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 16.199 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 83.12 Mbit/s

95th percentile per-packet one-way delay: 16.006 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 8.18 Mbit/s

95th percentile per-packet one-way delay: 16.804 ms

Loss rate: 0.00%

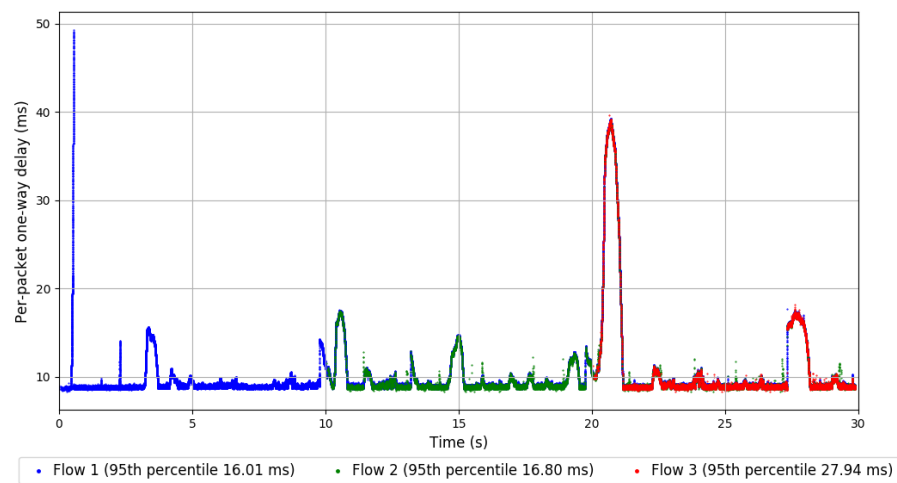
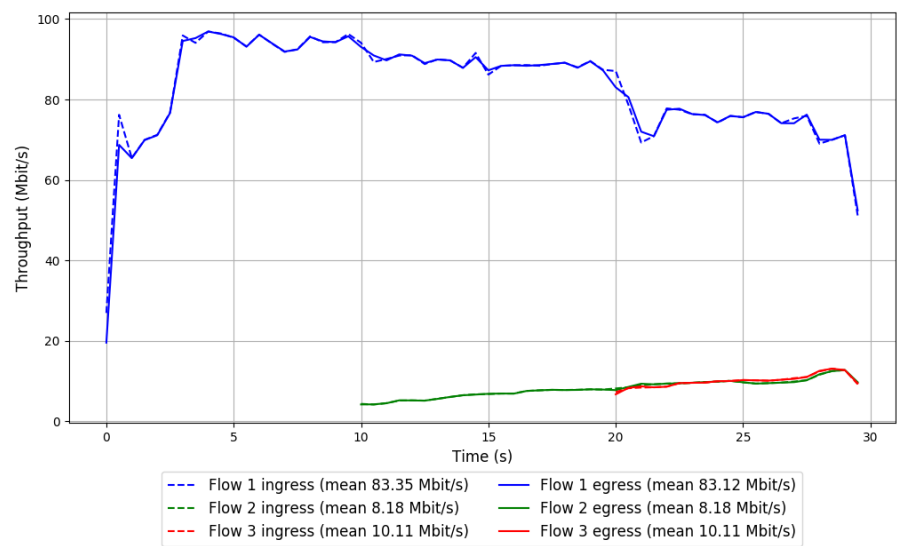
-- Flow 3:

Average throughput: 10.11 Mbit/s

95th percentile per-packet one-way delay: 27.937 ms

Loss rate: 0.00%

Run 3: Report of PCC — Data Link

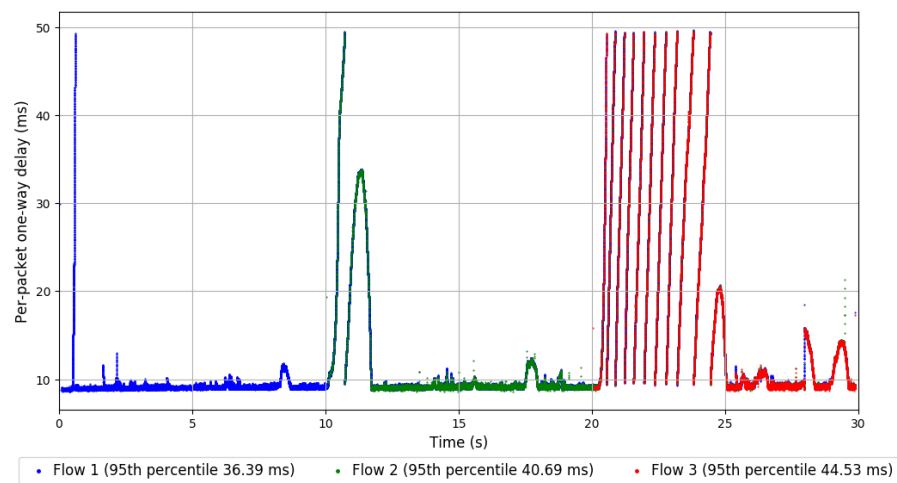
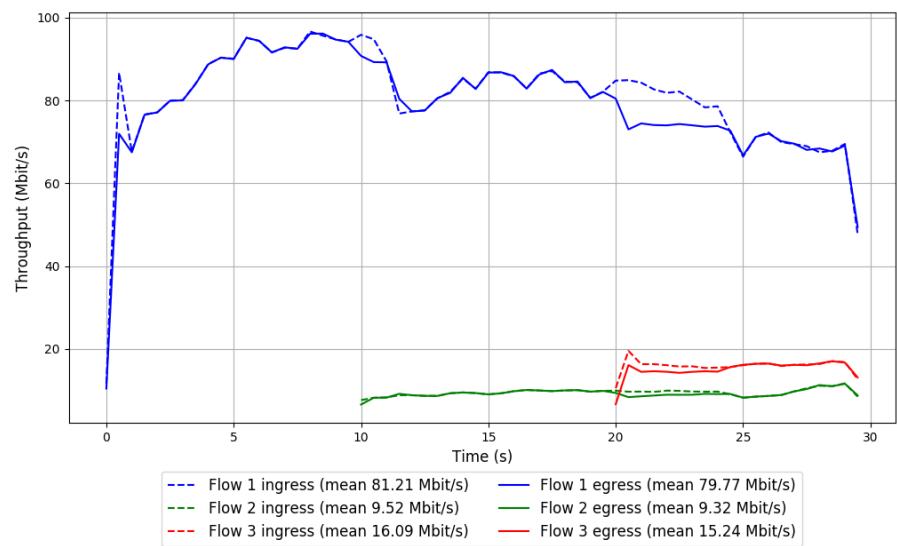


Run 4: Statistics of PCC

Start at: 2018-04-03 22:02:02
End at: 2018-04-03 22:02:32
Local clock offset: 4.944 ms
Remote clock offset: -3.181 ms

Below is generated by plot.py at 2018-04-04 00:55:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 37.992 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 79.77 Mbit/s
95th percentile per-packet one-way delay: 36.387 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 40.689 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 44.526 ms
Loss rate: 5.28%

Run 4: Report of PCC — Data Link

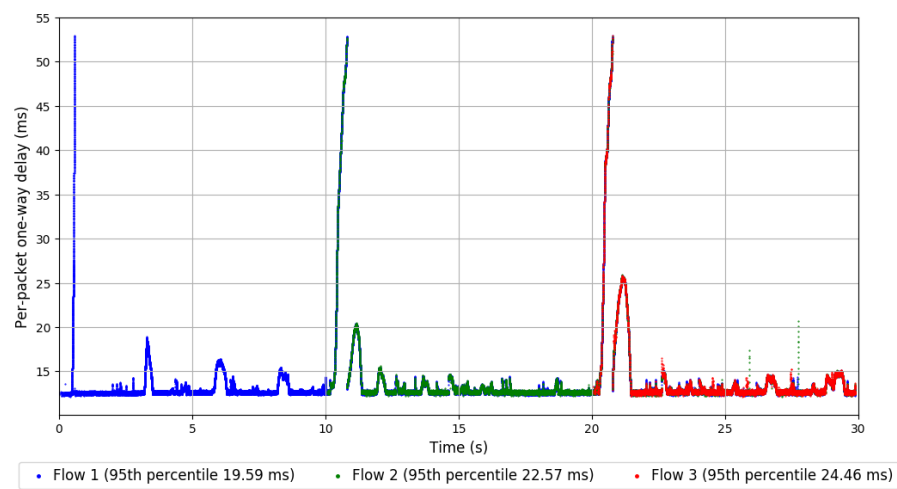
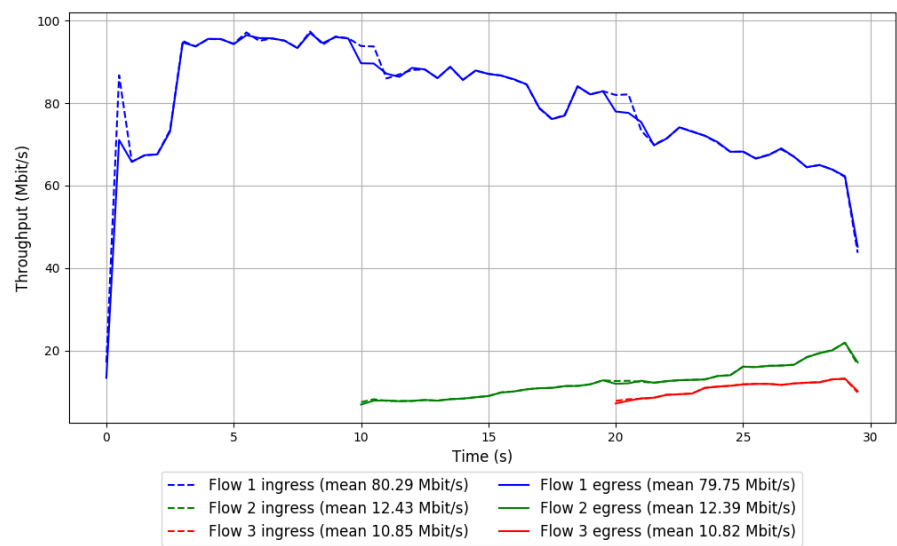


Run 5: Statistics of PCC

Start at: 2018-04-03 22:23:00
End at: 2018-04-03 22:23:30
Local clock offset: 1.922 ms
Remote clock offset: -5.535 ms

Below is generated by plot.py at 2018-04-04 00:55:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 19.923 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 79.75 Mbit/s
95th percentile per-packet one-way delay: 19.589 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 22.571 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 24.460 ms
Loss rate: 0.30%

Run 5: Report of PCC — Data Link

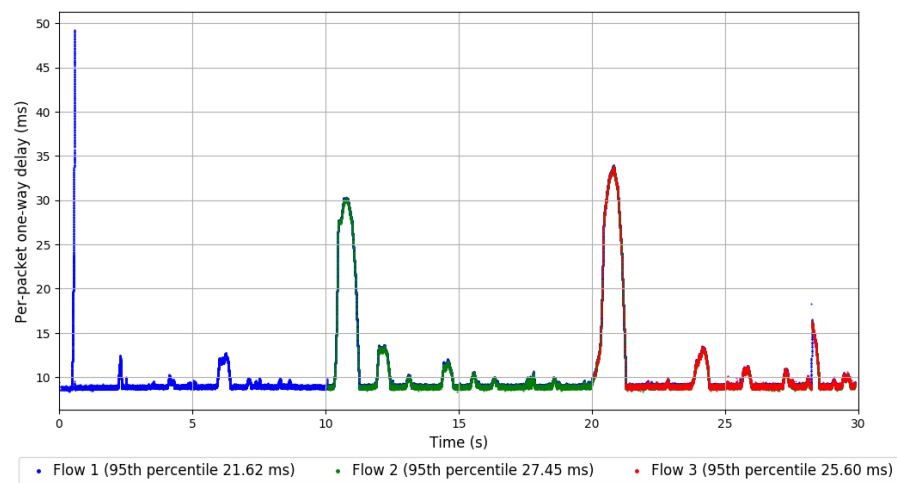
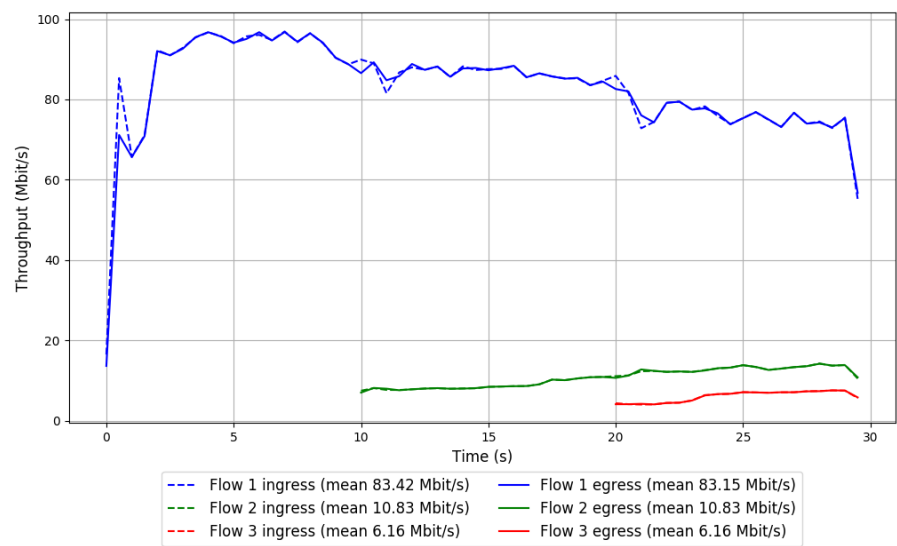


Run 6: Statistics of PCC

Start at: 2018-04-03 22:43:56
End at: 2018-04-03 22:44:26
Local clock offset: 3.734 ms
Remote clock offset: -7.984 ms

Below is generated by plot.py at 2018-04-04 00:55:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 22.684 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 21.619 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 27.451 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 25.601 ms
Loss rate: 0.00%

Run 6: Report of PCC — Data Link

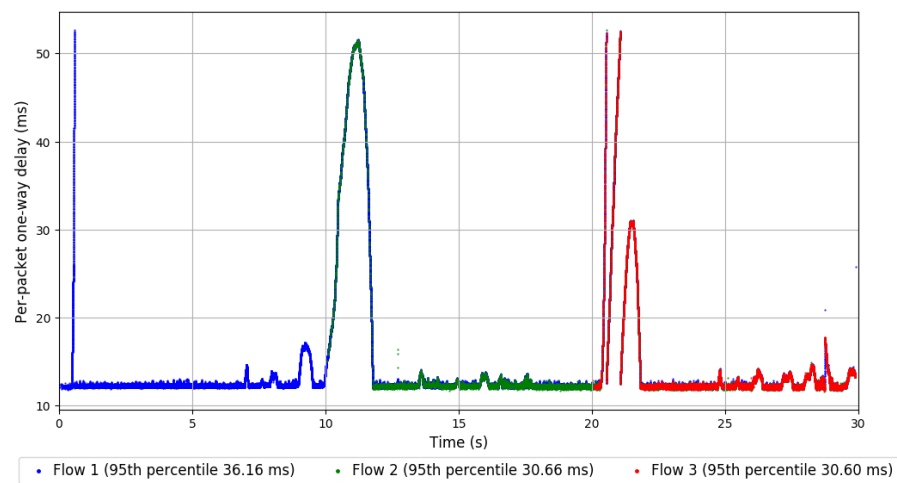
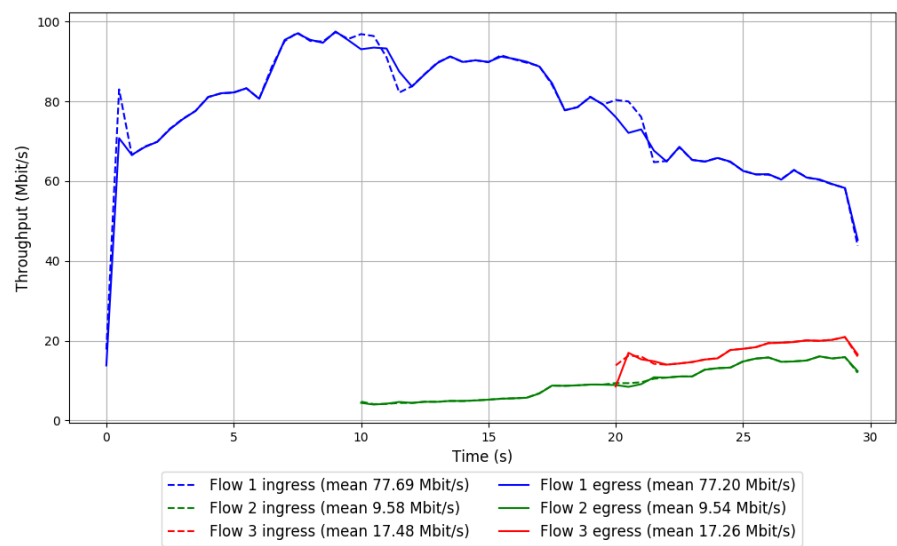


Run 7: Statistics of PCC

Start at: 2018-04-03 23:04:46
End at: 2018-04-03 23:05:16
Local clock offset: 0.167 ms
Remote clock offset: -1.089 ms

Below is generated by plot.py at 2018-04-04 00:56:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 35.087 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 36.156 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 30.660 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 17.26 Mbit/s
95th percentile per-packet one-way delay: 30.602 ms
Loss rate: 1.26%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-04-03 23:25:42

End at: 2018-04-03 23:26:12

Local clock offset: 3.816 ms

Remote clock offset: 3.445 ms

Below is generated by plot.py at 2018-04-04 00:56:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 31.368 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 77.70 Mbit/s

95th percentile per-packet one-way delay: 30.947 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 14.67 Mbit/s

95th percentile per-packet one-way delay: 32.494 ms

Loss rate: 0.83%

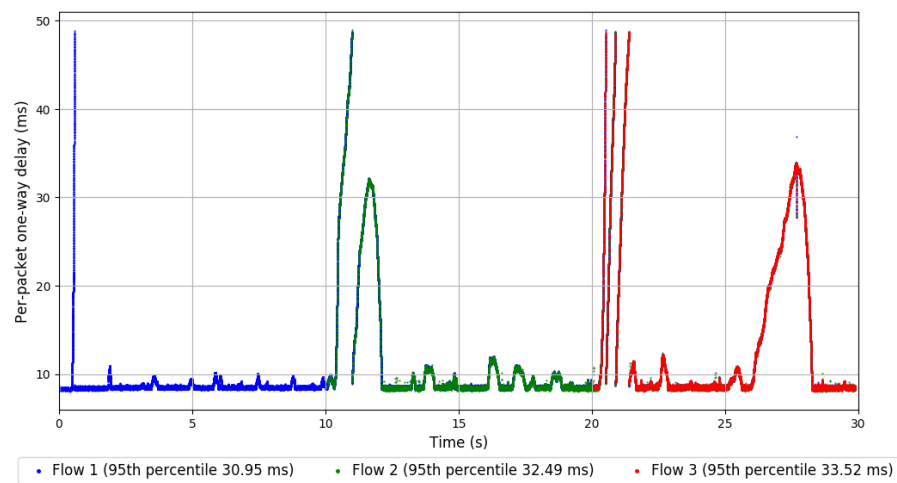
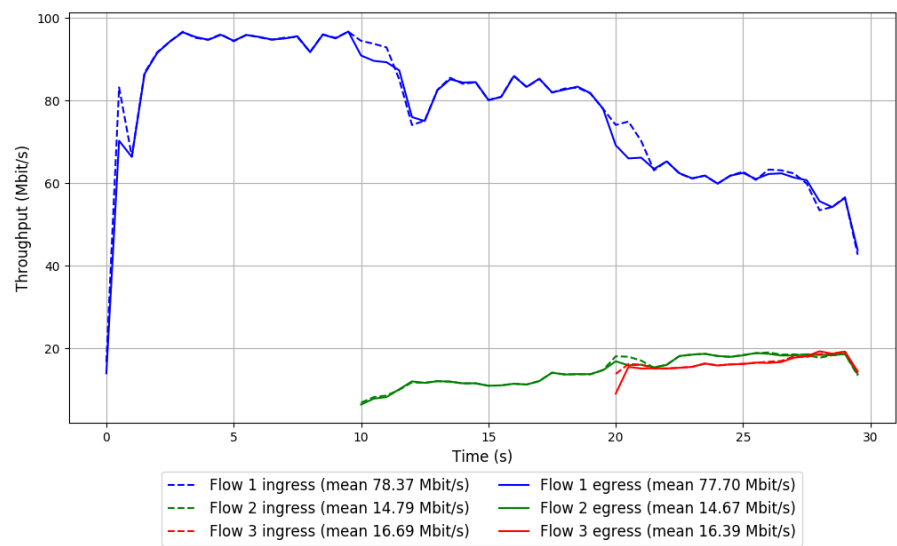
-- Flow 3:

Average throughput: 16.39 Mbit/s

95th percentile per-packet one-way delay: 33.520 ms

Loss rate: 1.85%

Run 8: Report of PCC — Data Link

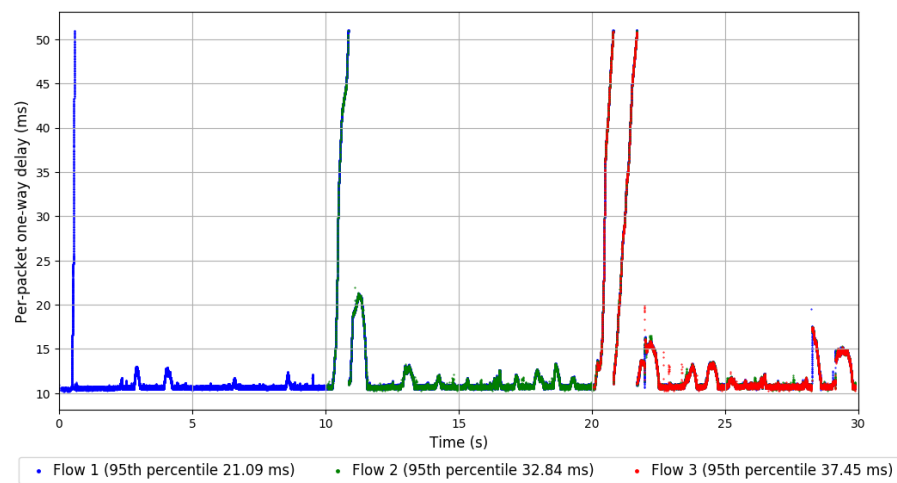
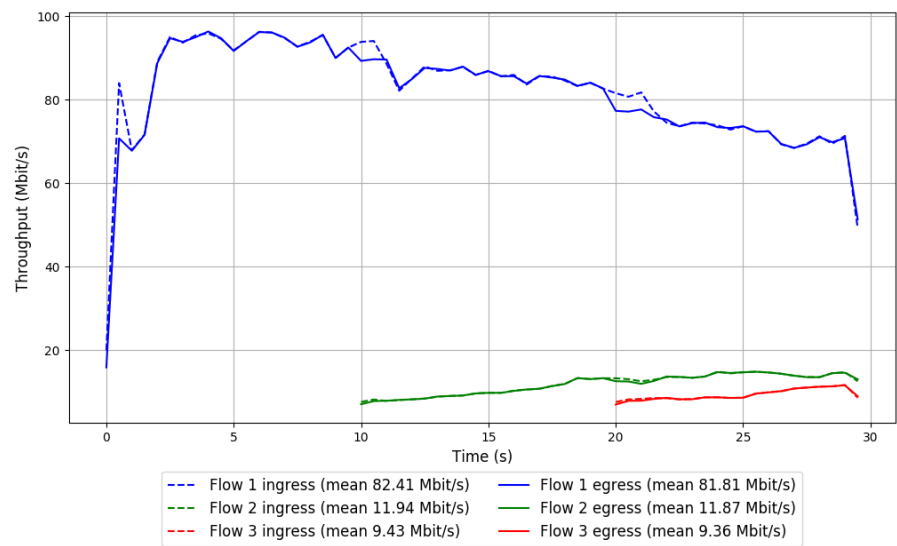


Run 9: Statistics of PCC

Start at: 2018-04-03 23:46:40
End at: 2018-04-03 23:47:10
Local clock offset: 4.443 ms
Remote clock offset: -2.064 ms

Below is generated by plot.py at 2018-04-04 00:56:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 23.776 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 21.094 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 32.843 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 37.450 ms
Loss rate: 0.71%

Run 9: Report of PCC — Data Link

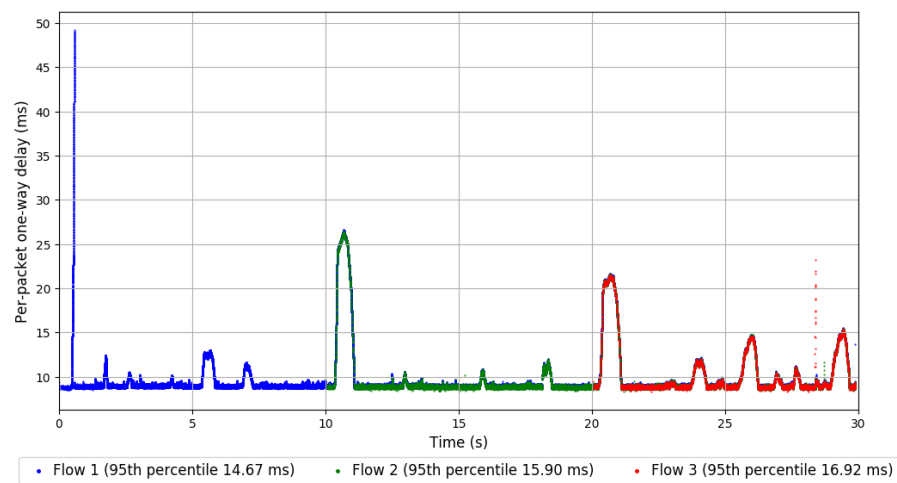
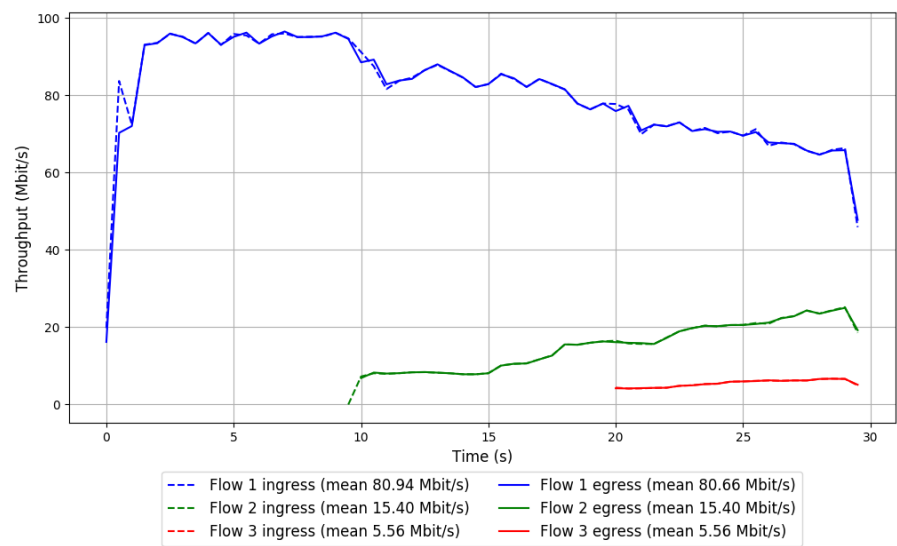


Run 10: Statistics of PCC

Start at: 2018-04-04 00:07:38
End at: 2018-04-04 00:08:08
Local clock offset: 4.234 ms
Remote clock offset: -3.708 ms

Below is generated by plot.py at 2018-04-04 00:56:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 14.818 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 14.667 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 15.899 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 16.922 ms
Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 20:54:16

End at: 2018-04-03 20:54:46

Local clock offset: 2.441 ms

Remote clock offset: 2.453 ms

Below is generated by plot.py at 2018-04-04 00:57:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 47.711 ms

Loss rate: 2.35%

-- Flow 1:

Average throughput: 65.74 Mbit/s

95th percentile per-packet one-way delay: 47.756 ms

Loss rate: 2.26%

-- Flow 2:

Average throughput: 29.62 Mbit/s

95th percentile per-packet one-way delay: 47.556 ms

Loss rate: 2.44%

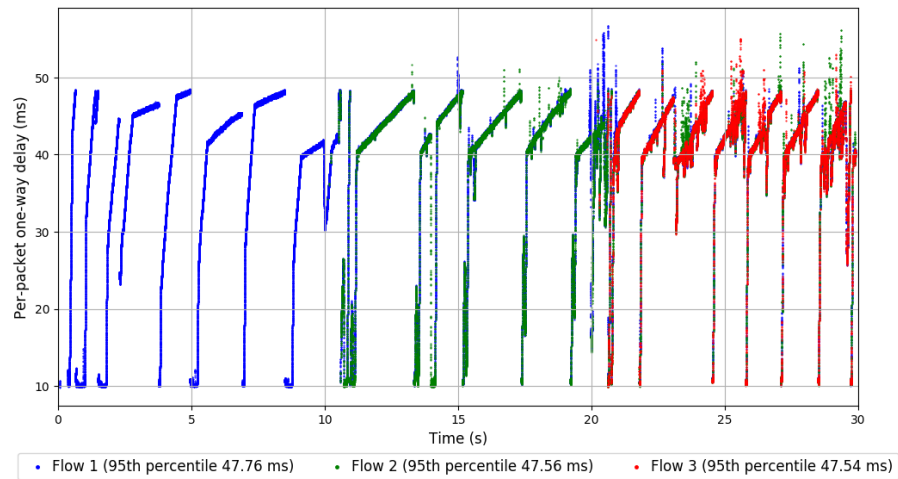
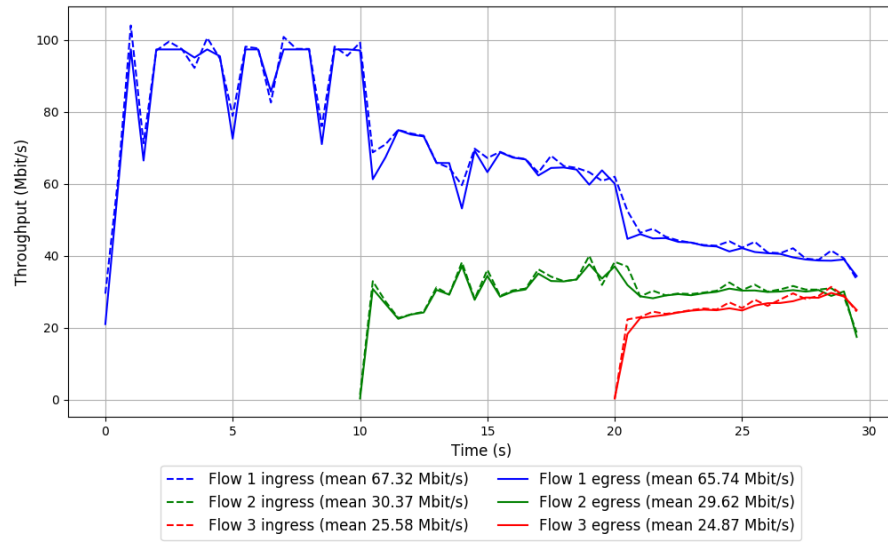
-- Flow 3:

Average throughput: 24.87 Mbit/s

95th percentile per-packet one-way delay: 47.538 ms

Loss rate: 2.92%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-03 21:15:17

End at: 2018-04-03 21:15:47

Local clock offset: 1.122 ms

Remote clock offset: 4.248 ms

Below is generated by plot.py at 2018-04-04 00:57:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.57 Mbit/s

95th percentile per-packet one-way delay: 49.826 ms

Loss rate: 1.78%

-- Flow 1:

Average throughput: 64.91 Mbit/s

95th percentile per-packet one-way delay: 49.773 ms

Loss rate: 1.61%

-- Flow 2:

Average throughput: 32.61 Mbit/s

95th percentile per-packet one-way delay: 49.928 ms

Loss rate: 1.96%

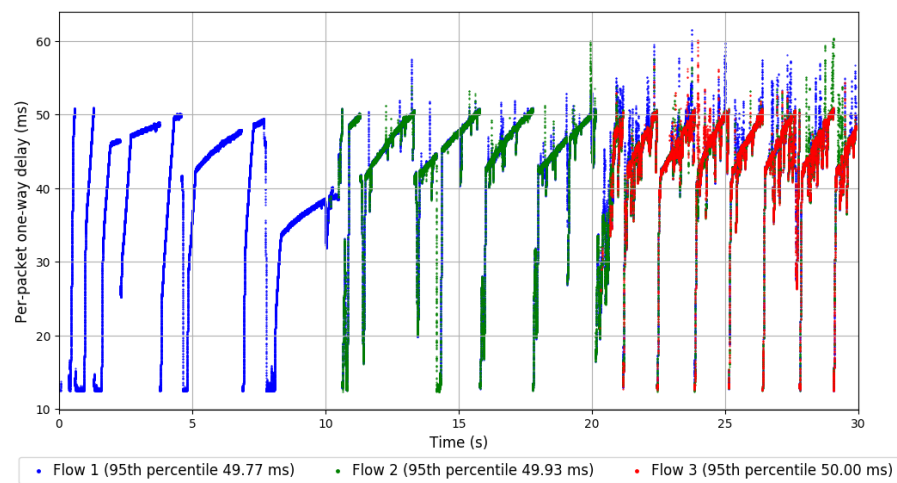
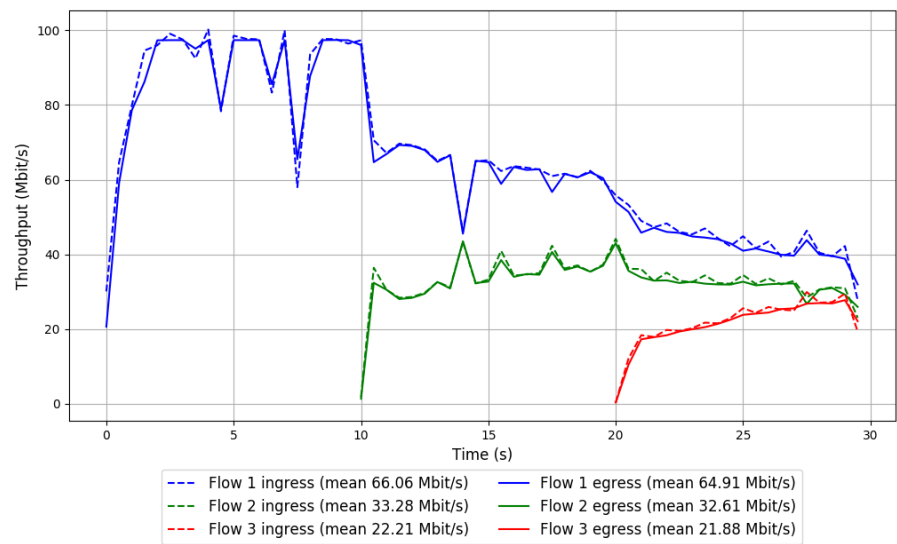
-- Flow 3:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 50.003 ms

Loss rate: 2.72%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-03 21:36:18

End at: 2018-04-03 21:36:48

Local clock offset: 4.257 ms

Remote clock offset: 6.565 ms

Below is generated by plot.py at 2018-04-04 00:57:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.26 Mbit/s

95th percentile per-packet one-way delay: 47.091 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 59.85 Mbit/s

95th percentile per-packet one-way delay: 46.878 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 33.52 Mbit/s

95th percentile per-packet one-way delay: 47.293 ms

Loss rate: 2.01%

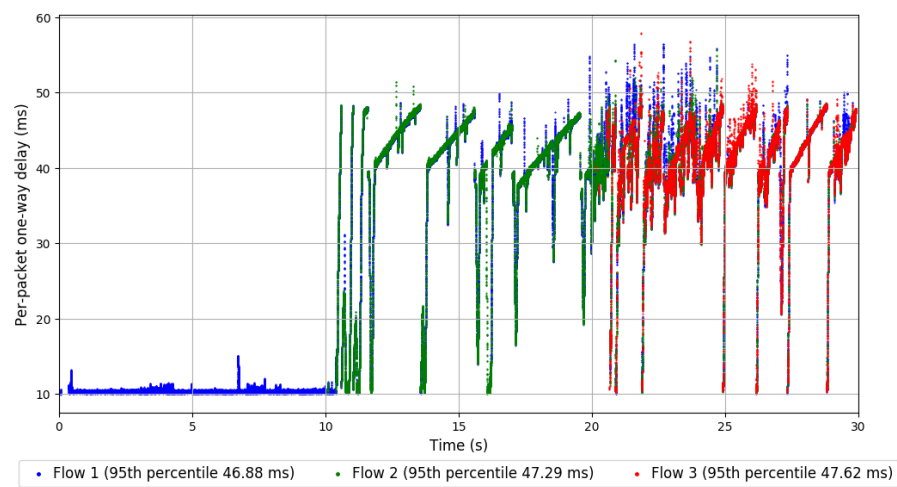
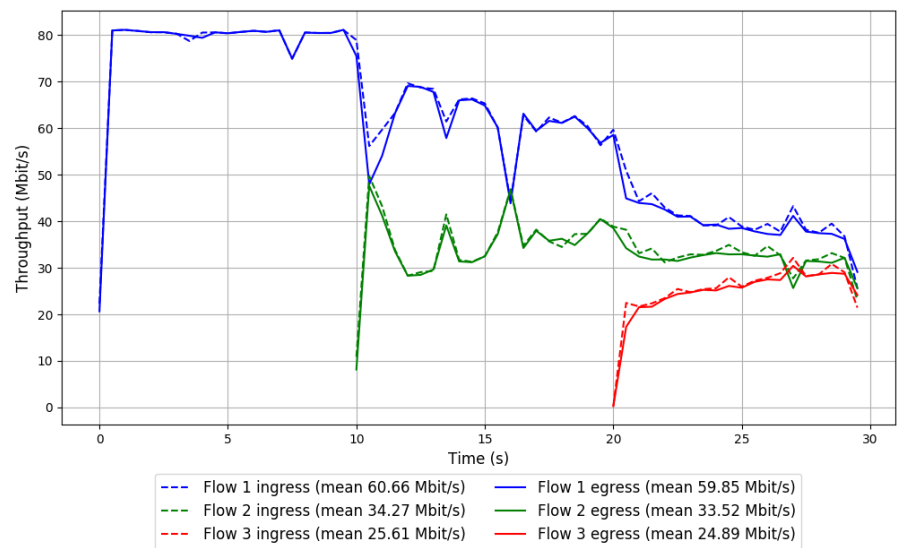
-- Flow 3:

Average throughput: 24.89 Mbit/s

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

Loss rate: 2.70%

Run 3: Report of QUIC Cubic — Data Link

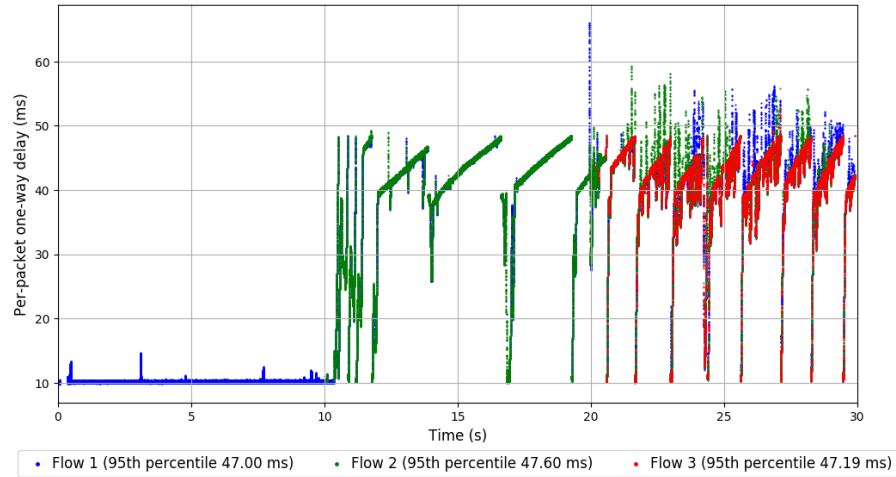
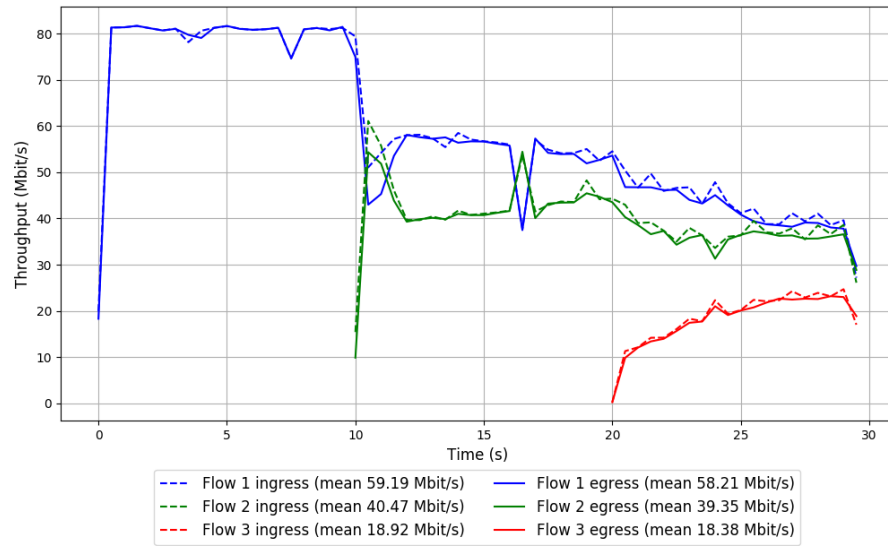


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-03 21:57:18
End at: 2018-04-03 21:57:48
Local clock offset: 3.581 ms
Remote clock offset: -1.997 ms

Below is generated by plot.py at 2018-04-04 00:57:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 47.216 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 46.998 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 47.599 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 47.188 ms
Loss rate: 2.81%

Run 4: Report of QUIC Cubic — Data Link

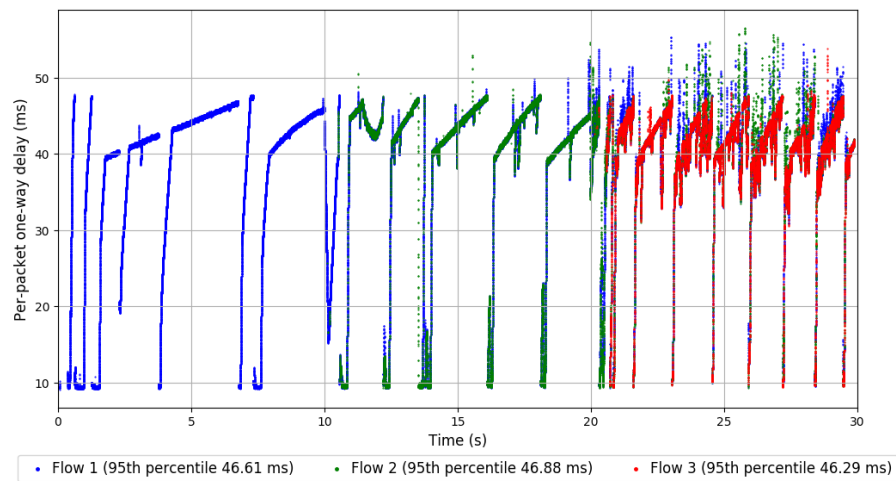
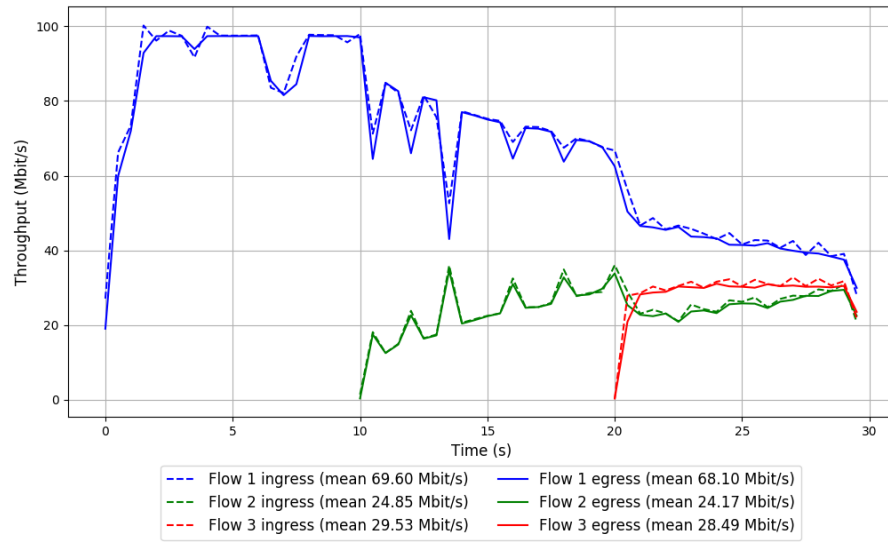


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-03 22:18:15
End at: 2018-04-03 22:18:45
Local clock offset: 4.63 ms
Remote clock offset: -6.083 ms

Below is generated by plot.py at 2018-04-04 00:57:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 46.626 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 68.10 Mbit/s
95th percentile per-packet one-way delay: 46.612 ms
Loss rate: 2.06%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 46.879 ms
Loss rate: 2.64%
-- Flow 3:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 46.292 ms
Loss rate: 3.53%

Run 5: Report of QUIC Cubic — Data Link

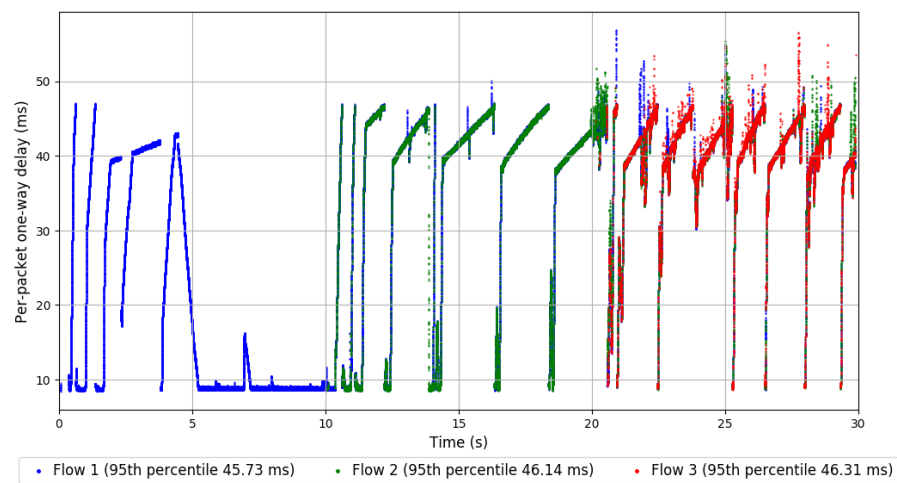
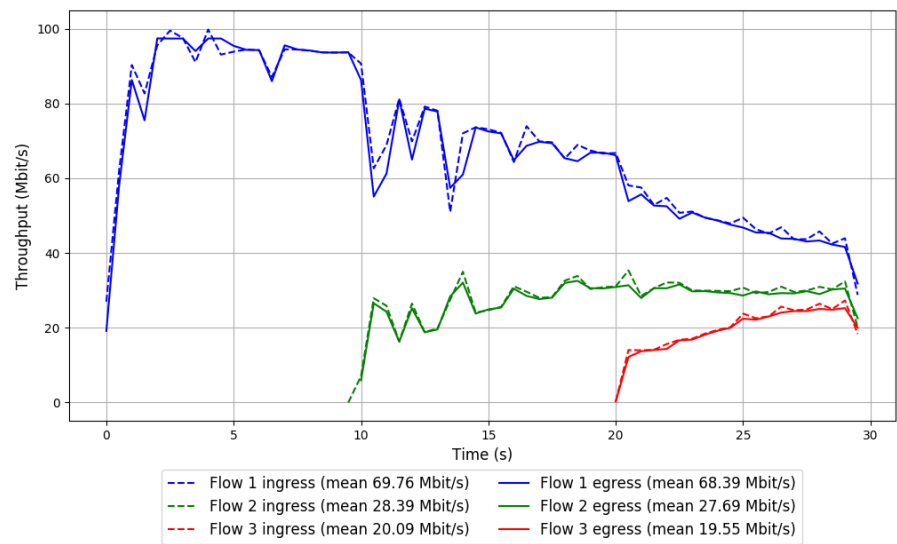


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-03 22:39:13
End at: 2018-04-03 22:39:43
Local clock offset: 3.273 ms
Remote clock offset: -8.204 ms

Below is generated by plot.py at 2018-04-04 00:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 45.915 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 45.732 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: 46.143 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 46.307 ms
Loss rate: 2.68%

Run 6: Report of QUIC Cubic — Data Link

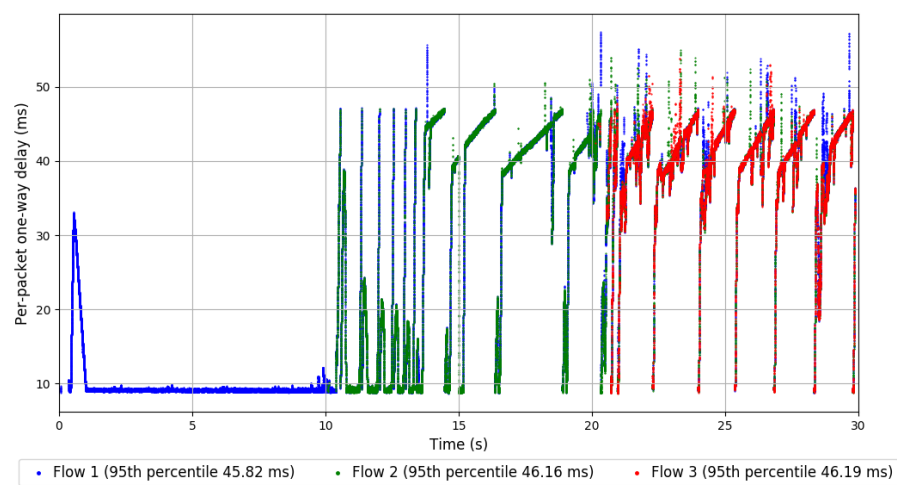
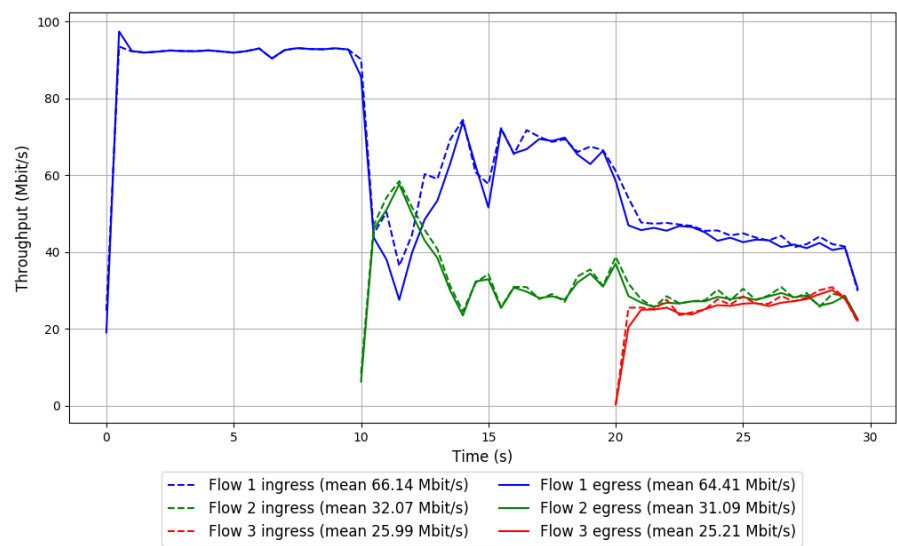


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-03 22:59:56
End at: 2018-04-03 23:00:26
Local clock offset: 2.982 ms
Remote clock offset: -4.619 ms

Below is generated by plot.py at 2018-04-04 00:58:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 45.975 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 45.824 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 31.09 Mbit/s
95th percentile per-packet one-way delay: 46.158 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 25.21 Mbit/s
95th percentile per-packet one-way delay: 46.192 ms
Loss rate: 3.07%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-03 23:20:58

End at: 2018-04-03 23:21:28

Local clock offset: 1.624 ms

Remote clock offset: 2.469 ms

Below is generated by plot.py at 2018-04-04 00:58:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.52 Mbit/s

95th percentile per-packet one-way delay: 47.392 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 62.35 Mbit/s

95th percentile per-packet one-way delay: 47.262 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 33.99 Mbit/s

95th percentile per-packet one-way delay: 47.635 ms

Loss rate: 2.47%

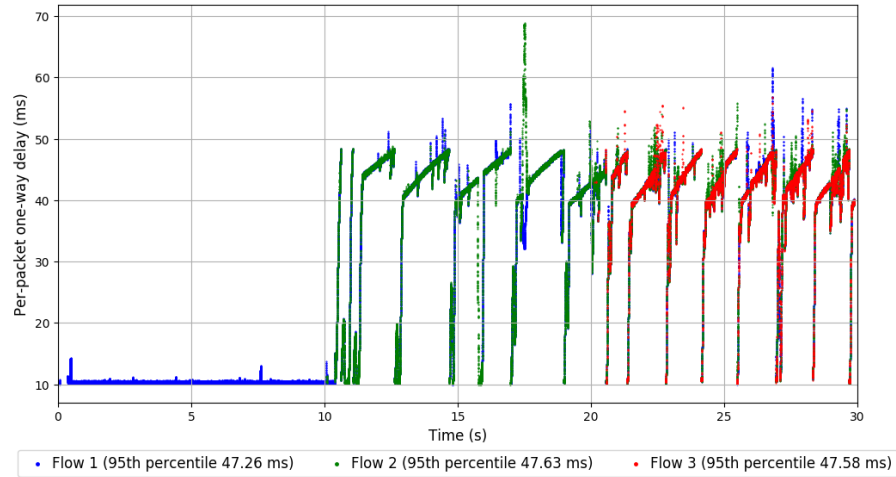
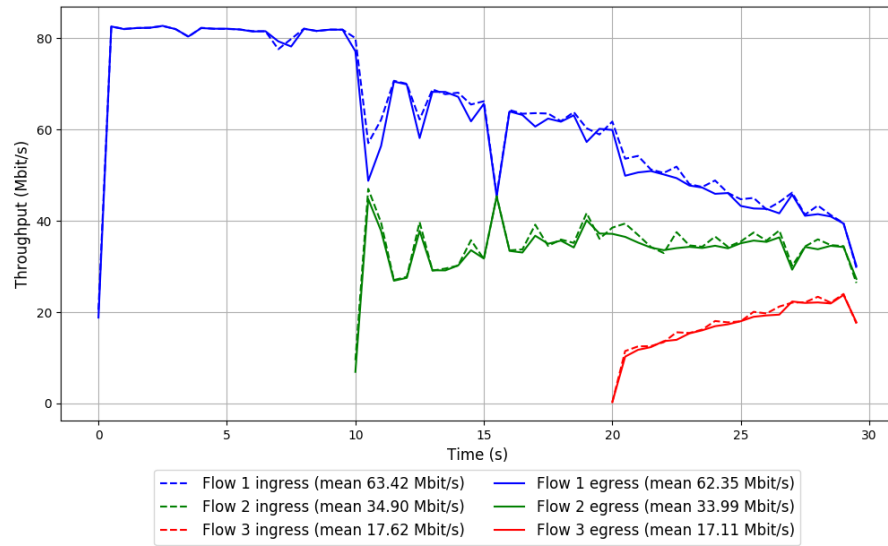
-- Flow 3:

Average throughput: 17.11 Mbit/s

95th percentile per-packet one-way delay: 47.579 ms

Loss rate: 2.90%

Run 8: Report of QUIC Cubic — Data Link

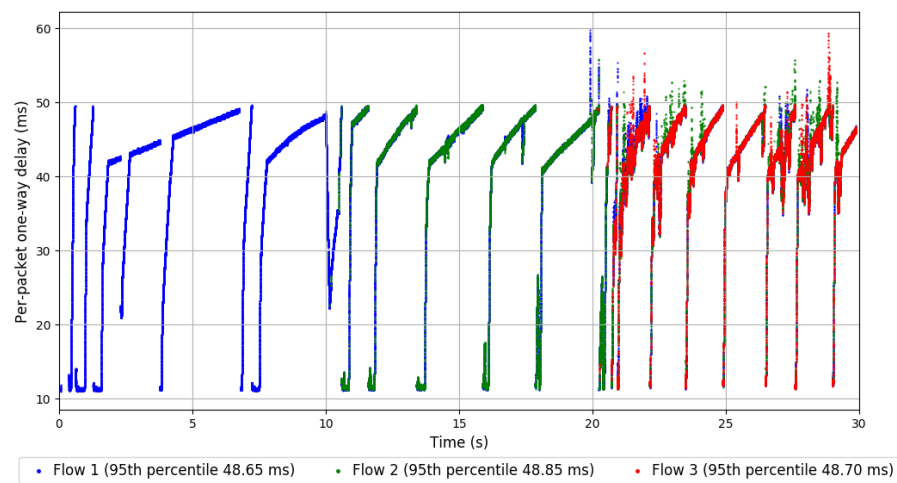
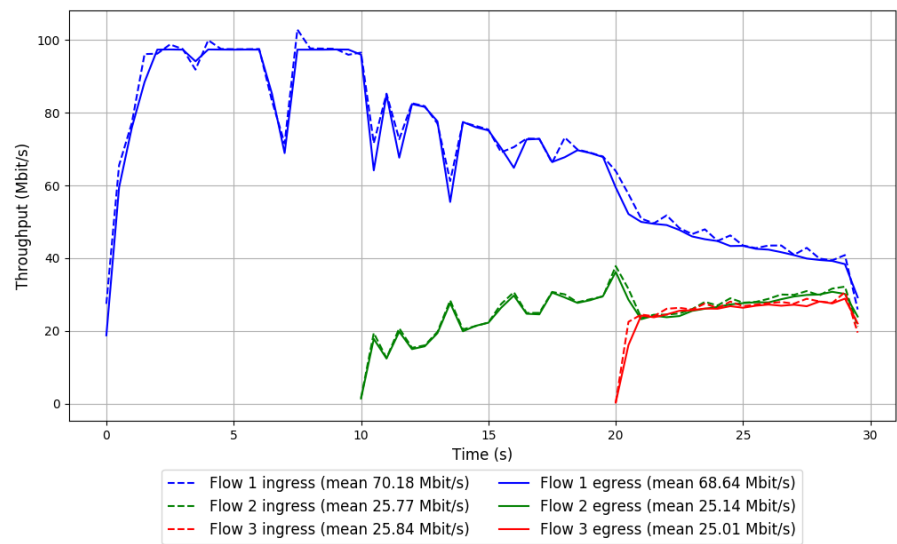


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-03 23:41:56
End at: 2018-04-03 23:42:26
Local clock offset: 1.972 ms
Remote clock offset: -2.555 ms

Below is generated by plot.py at 2018-04-04 00:59:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 48.679 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 68.64 Mbit/s
95th percentile per-packet one-way delay: 48.646 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 48.850 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 48.701 ms
Loss rate: 3.21%

Run 9: Report of QUIC Cubic — Data Link

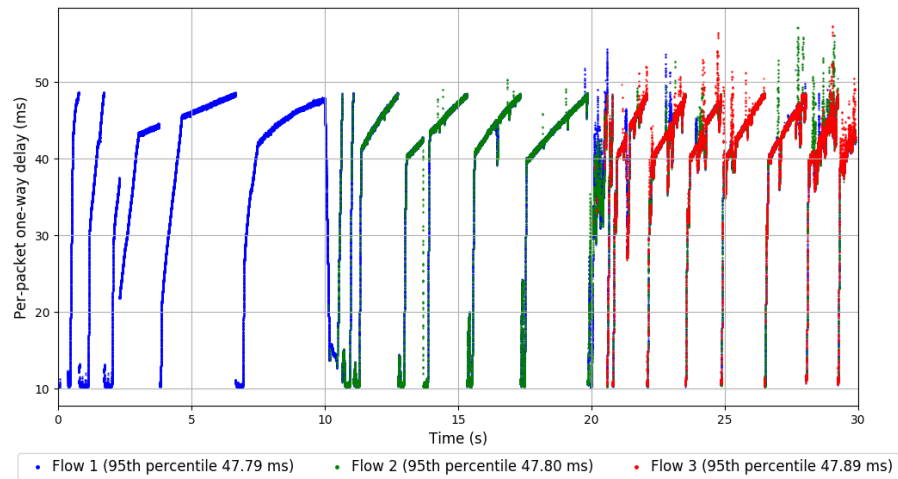
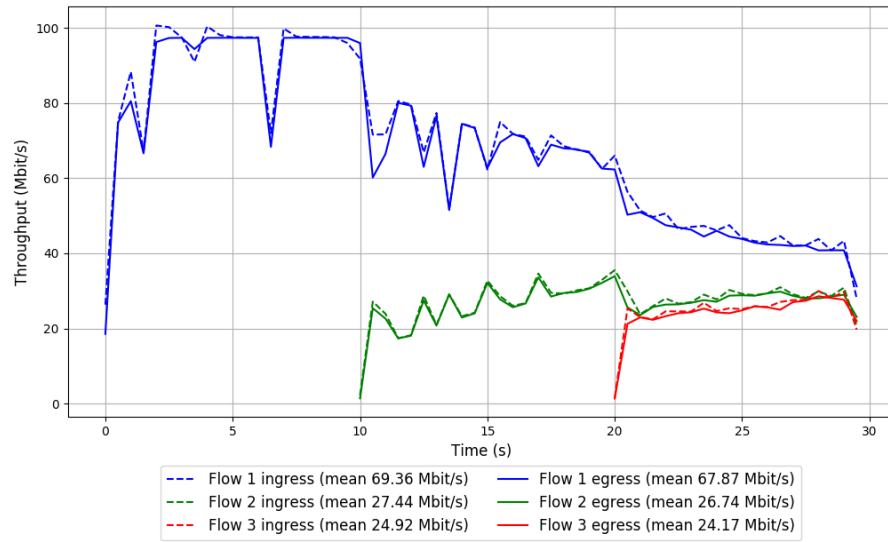


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-04 00:02:54
End at: 2018-04-04 00:03:24
Local clock offset: 3.85 ms
Remote clock offset: -4.262 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 47.795 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 67.87 Mbit/s
95th percentile per-packet one-way delay: 47.790 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 47.803 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 47.892 ms
Loss rate: 2.91%

Run 10: Report of QUIC Cubic — Data Link

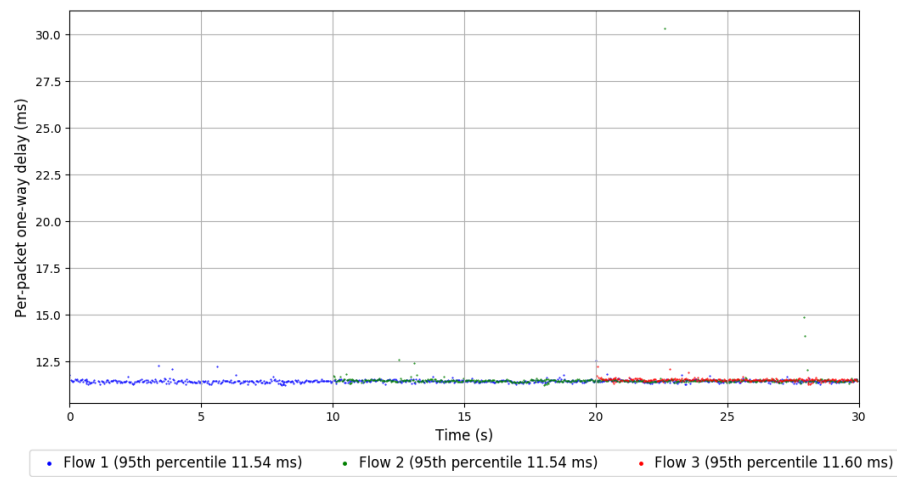
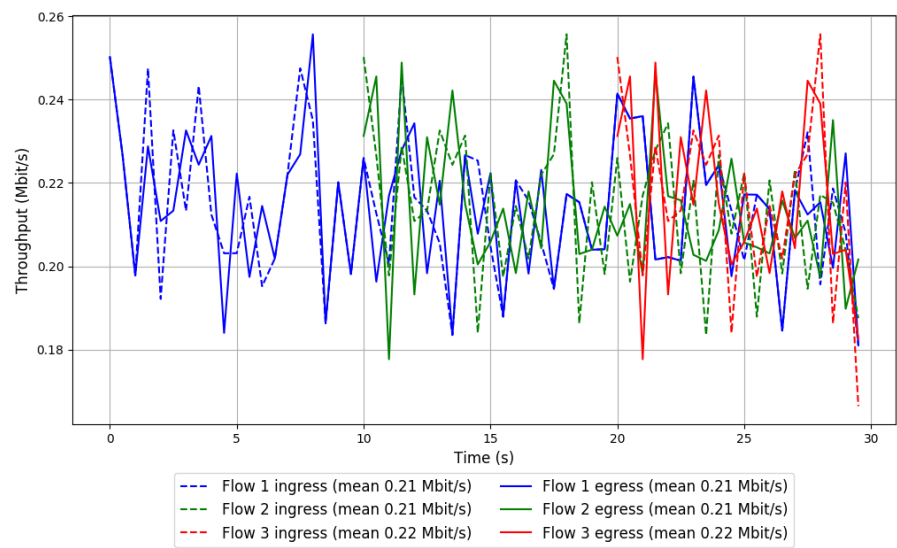


```
Run 1: Statistics of SReAM

Start at: 2018-04-03 20:53:11
End at: 2018-04-03 20:53:41
Local clock offset: 2.072 ms
Remote clock offset: 3.41 ms

# Below is generated by plot.py at 2018-04-04 00:59:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.535 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.595 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-04-03 21:14:11

End at: 2018-04-03 21:14:41

Local clock offset: 1.171 ms

Remote clock offset: 3.643 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 12.200 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.204 ms

Loss rate: 0.00%

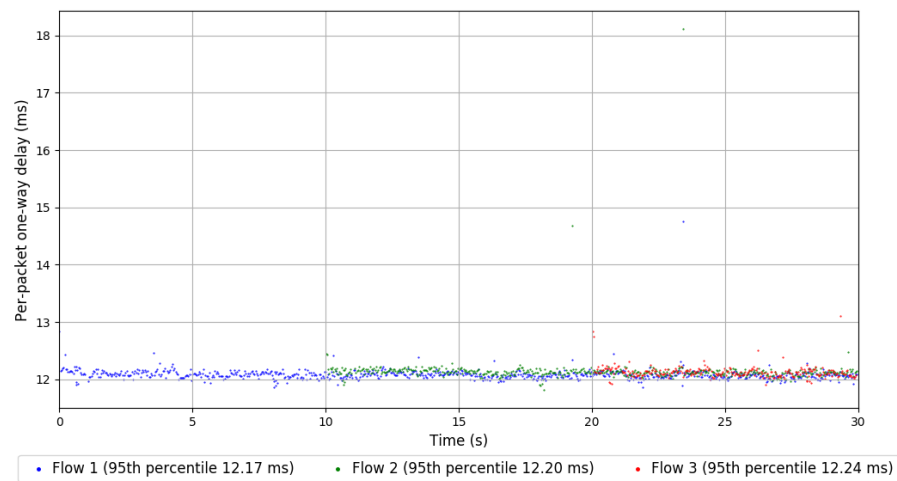
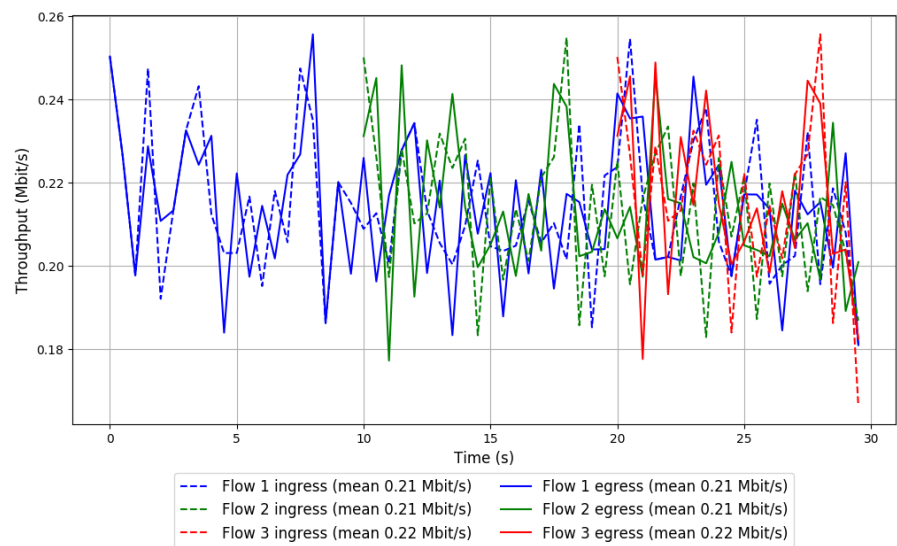
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 12.237 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-04-03 21:35:13

End at: 2018-04-03 21:35:43

Local clock offset: 5.199 ms

Remote clock offset: 5.673 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 8.525 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.512 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.502 ms

Loss rate: 0.00%

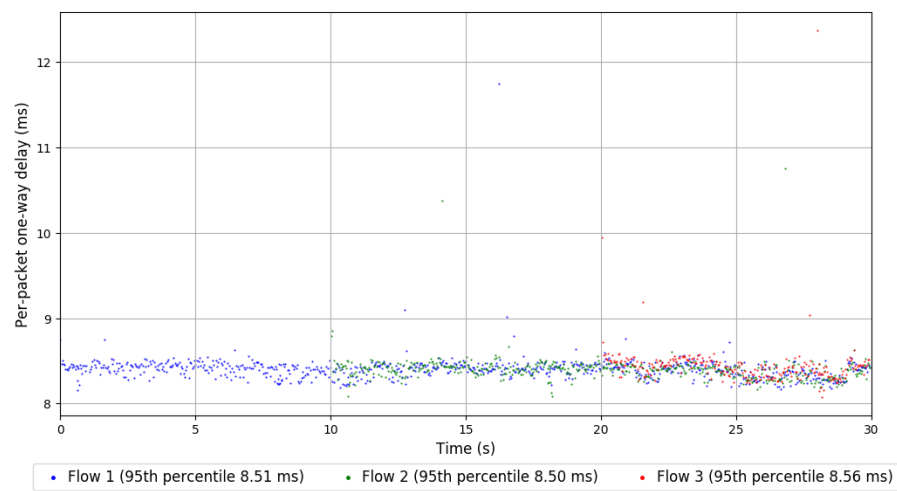
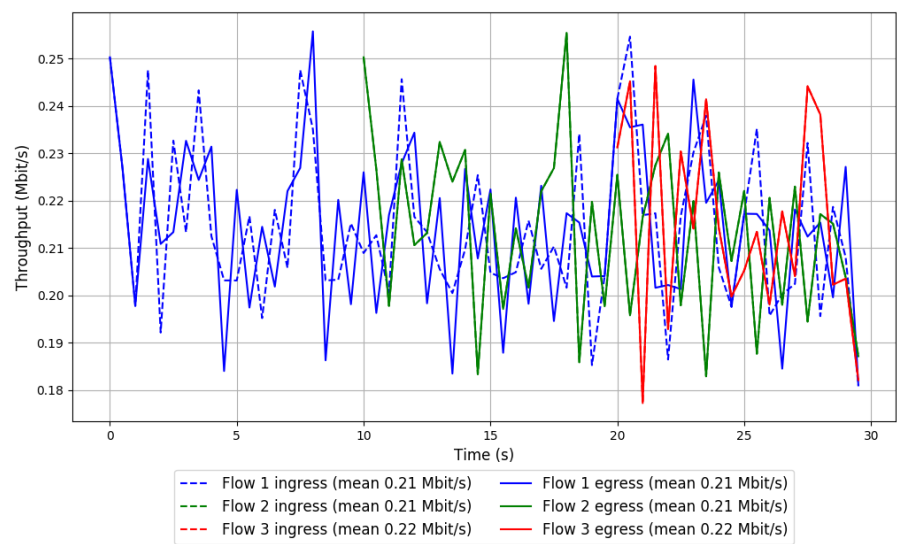
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 8.565 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

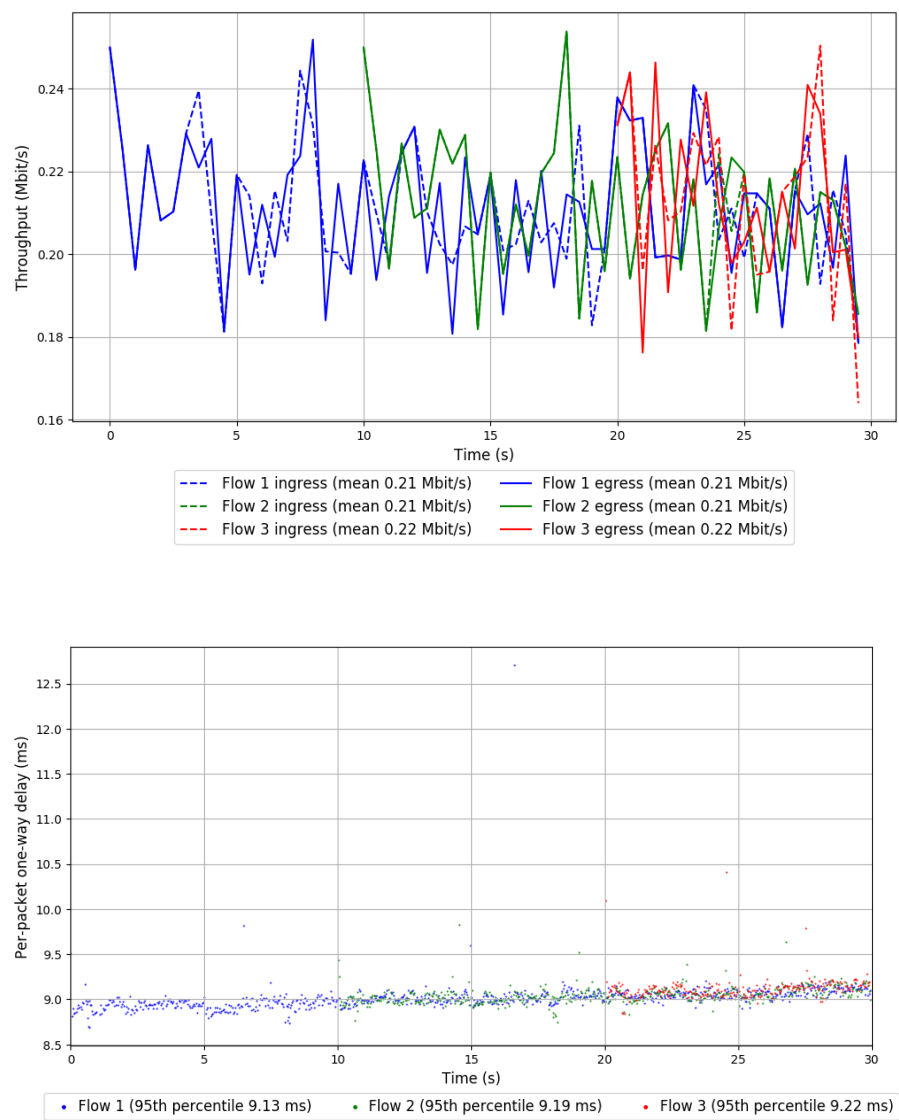


Run 4: Statistics of SReAM

Start at: 2018-04-03 21:56:12
End at: 2018-04-03 21:56:42
Local clock offset: 5.544 ms
Remote clock offset: -0.746 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 9.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.135 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.218 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

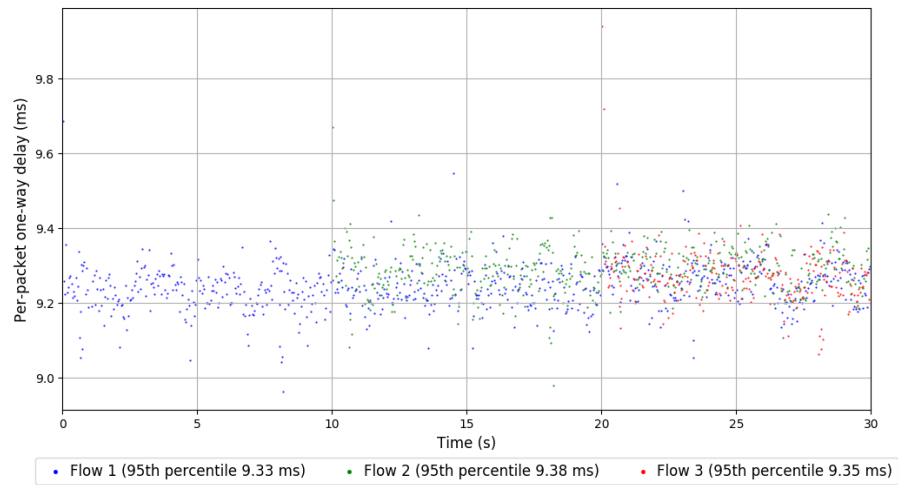
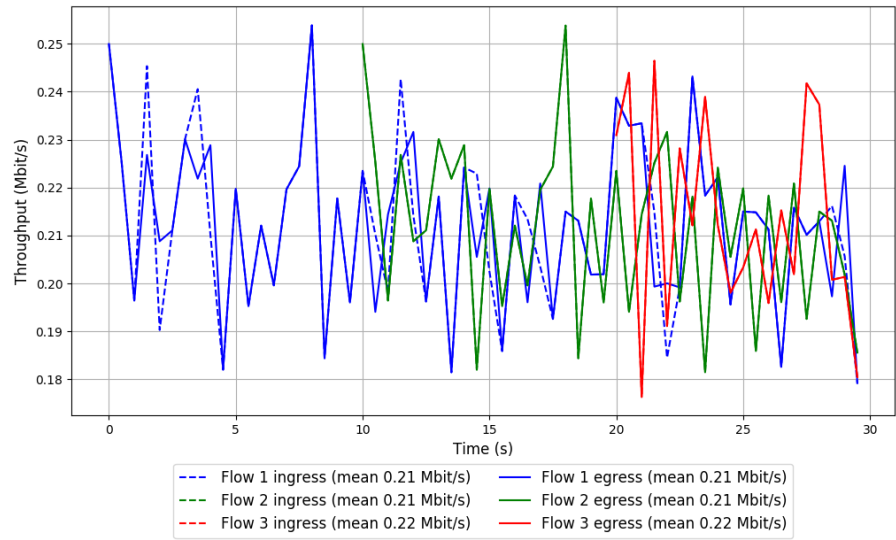


Run 5: Statistics of SReAM

Start at: 2018-04-03 22:17:10
End at: 2018-04-03 22:17:40
Local clock offset: 5.446 ms
Remote clock offset: -5.306 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 9.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.381 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.353 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

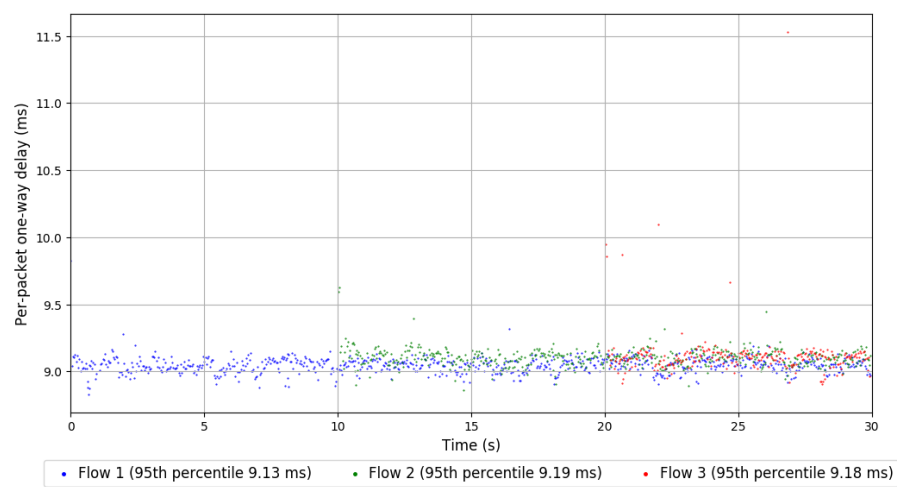
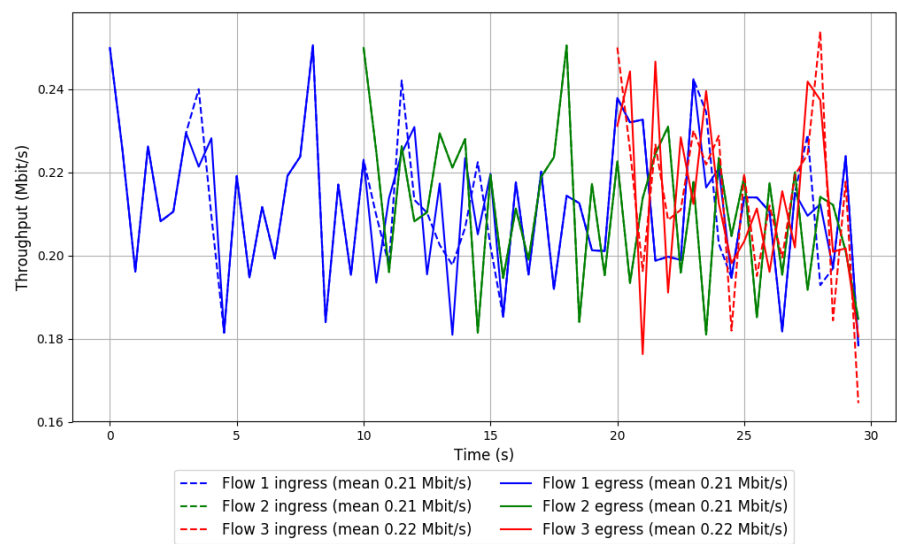


Run 6: Statistics of SReAM

Start at: 2018-04-03 22:38:08
End at: 2018-04-03 22:38:38
Local clock offset: 2.171 ms
Remote clock offset: -8.915 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 9.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.175 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

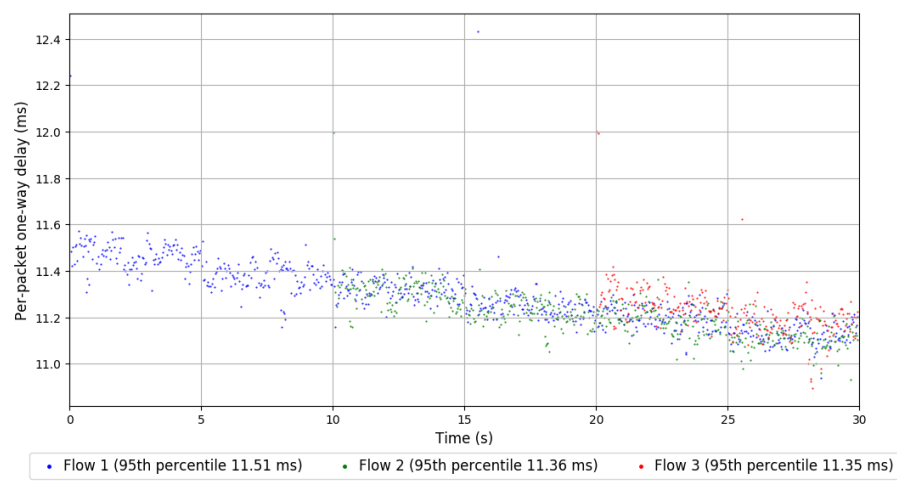
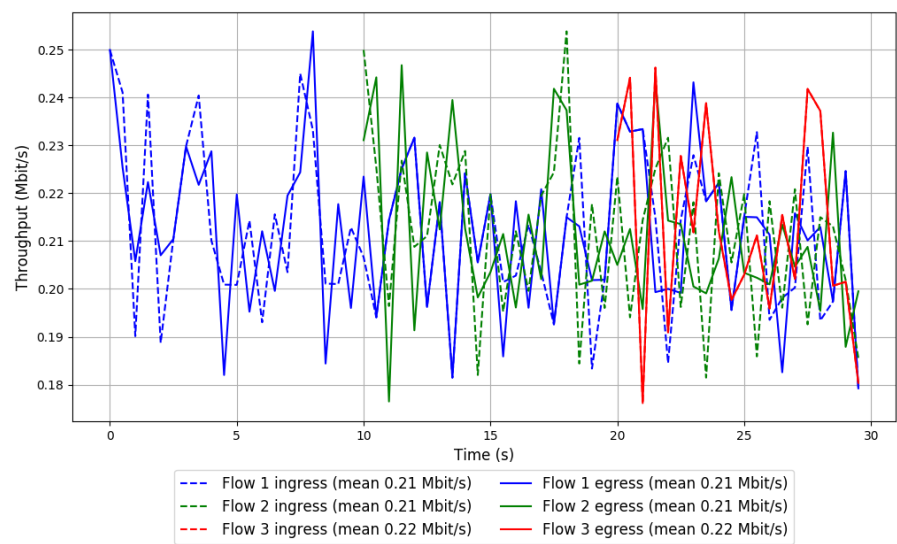


Run 7: Statistics of SReAM

Start at: 2018-04-03 22:58:50
End at: 2018-04-03 22:59:20
Local clock offset: 0.783 ms
Remote clock offset: -5.149 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.505 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.358 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.354 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-04-03 23:19:52

End at: 2018-04-03 23:20:22

Local clock offset: 2.647 ms

Remote clock offset: 1.533 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 8.469 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.479 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.445 ms

Loss rate: 0.00%

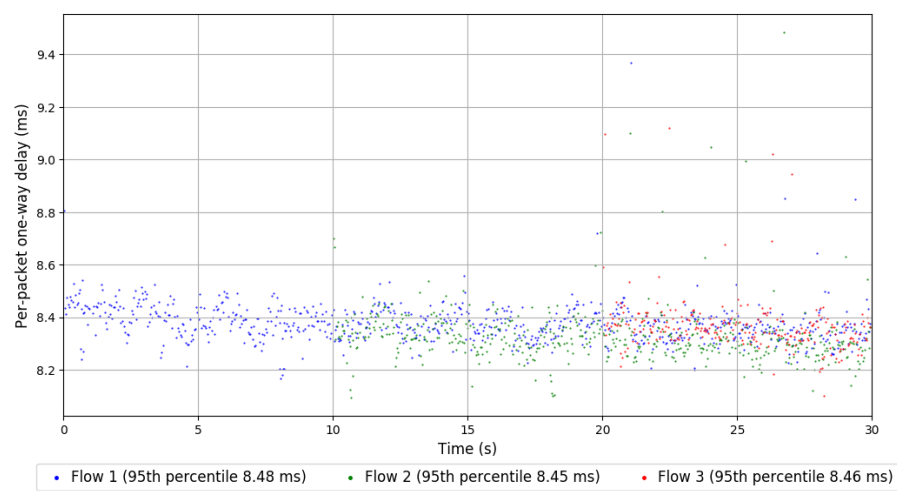
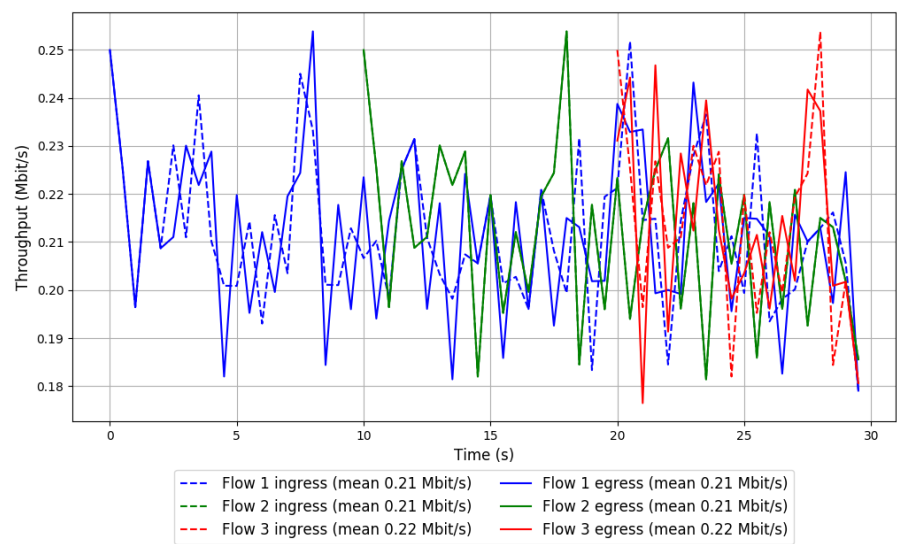
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 8.456 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

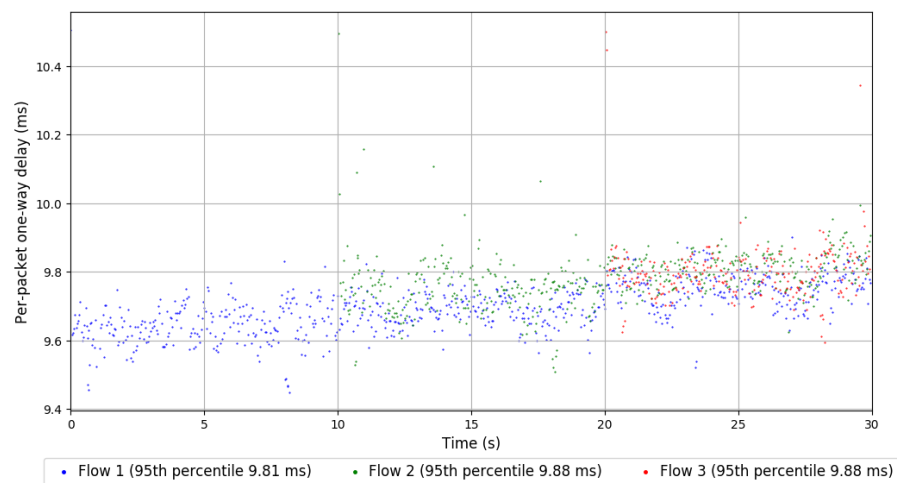
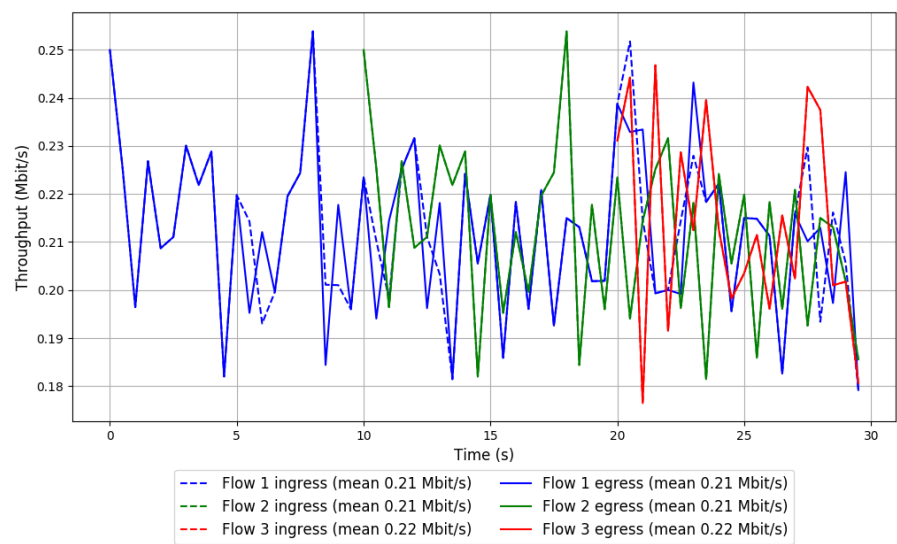


Run 9: Statistics of SReAM

Start at: 2018-04-03 23:40:50
End at: 2018-04-03 23:41:20
Local clock offset: 4.567 ms
Remote clock offset: -1.227 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 9.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.809 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.879 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.876 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

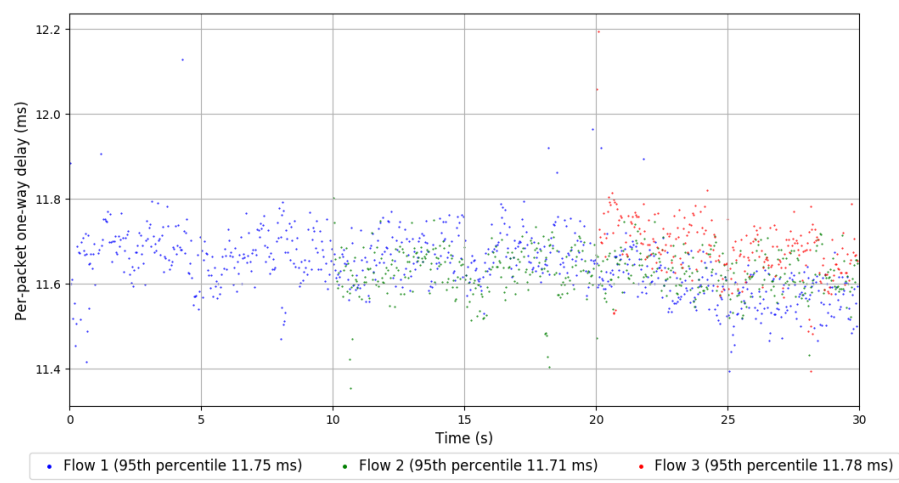
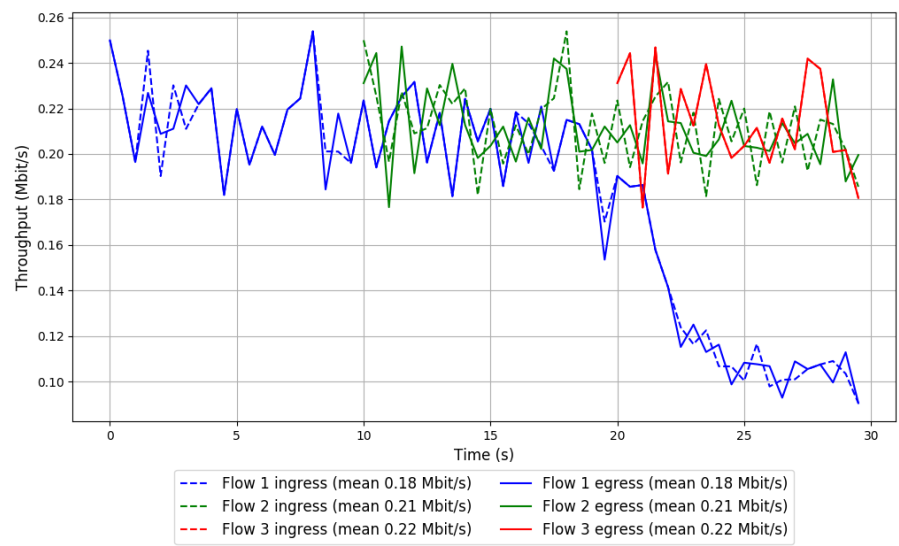


Run 10: Statistics of SReAM

Start at: 2018-04-04 00:01:48
End at: 2018-04-04 00:02:18
Local clock offset: 3.185 ms
Remote clock offset: -3.763 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 11.752 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 11.752 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.705 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.783 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

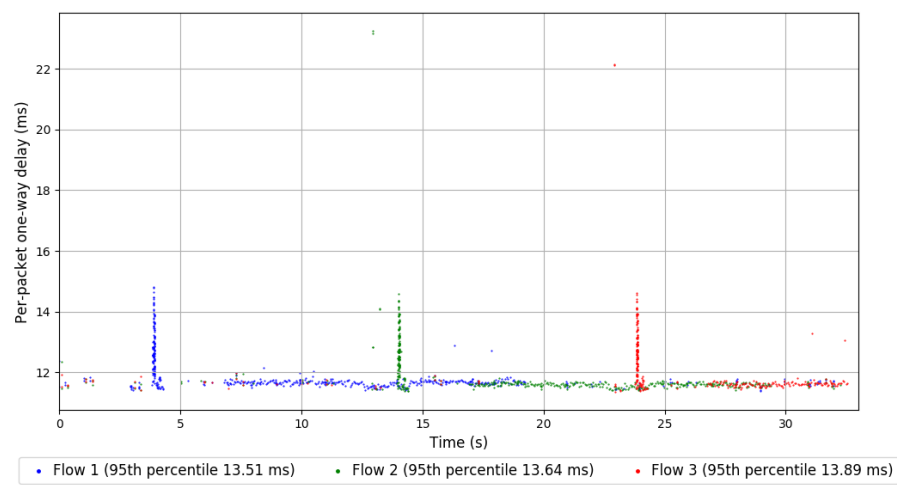
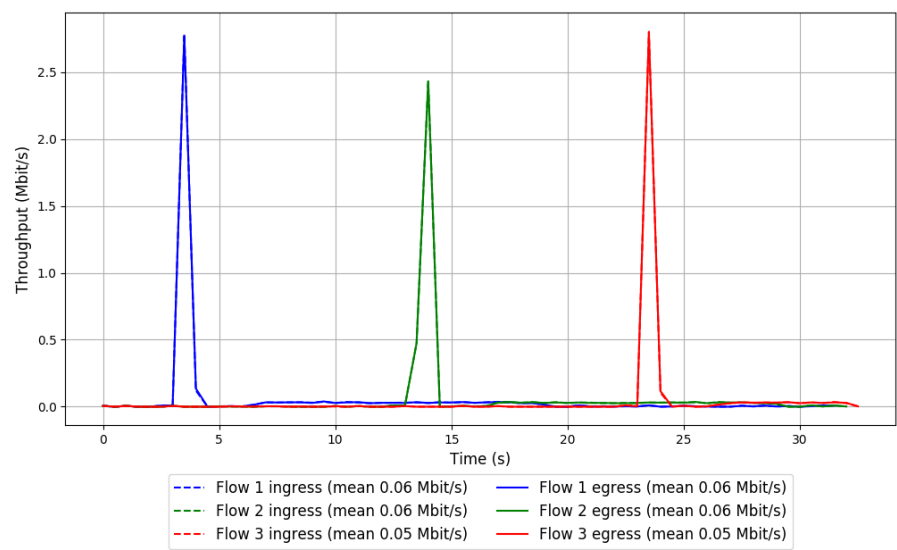


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-03 21:06:07
End at: 2018-04-03 21:06:37
Local clock offset: 1.093 ms
Remote clock offset: 3.09 ms

# Below is generated by plot.py at 2018-04-04 00:59:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 13.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 13.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 13.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 13.890 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-03 21:27:09

End at: 2018-04-03 21:27:39

Local clock offset: 3.407 ms

Remote clock offset: 5.08 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 12.088 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 12.036 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 11.889 ms

Loss rate: 0.00%

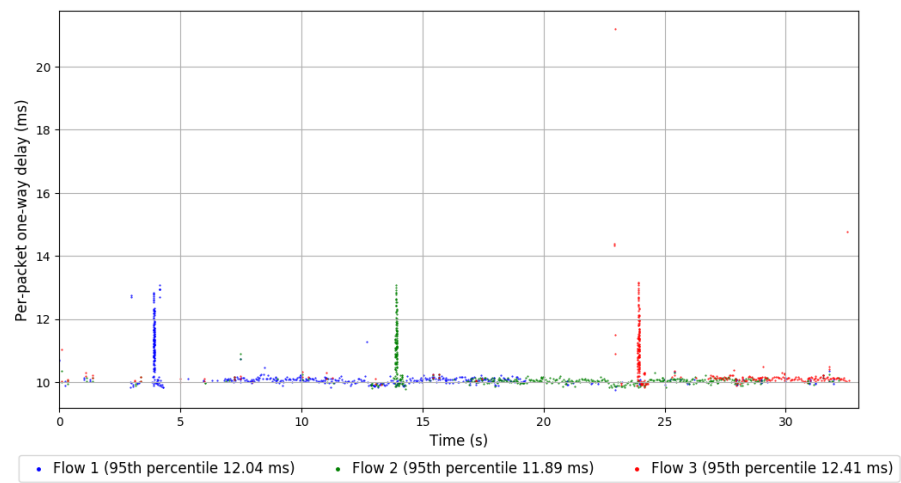
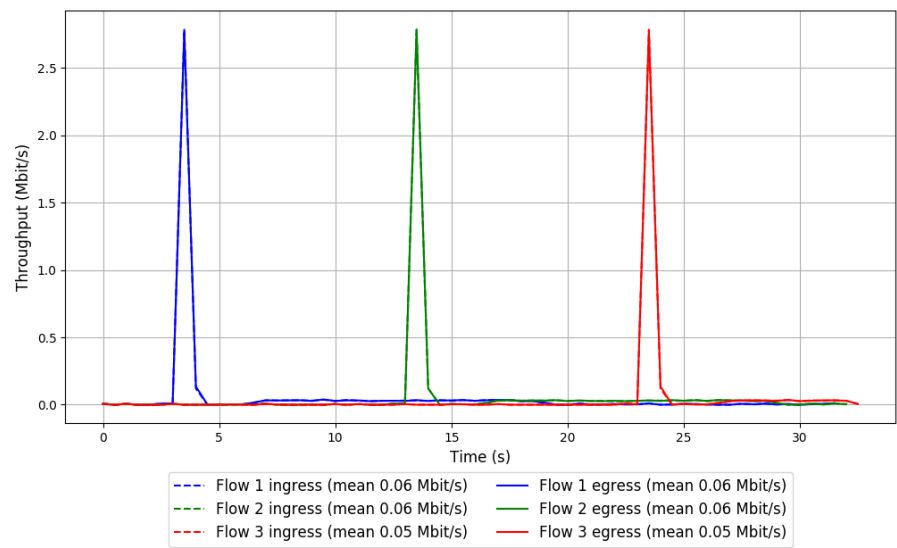
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.411 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-03 21:48:08

End at: 2018-04-03 21:48:38

Local clock offset: 6.074 ms

Remote clock offset: 5.278 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 10.198 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 9.980 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 10.077 ms

Loss rate: 0.00%

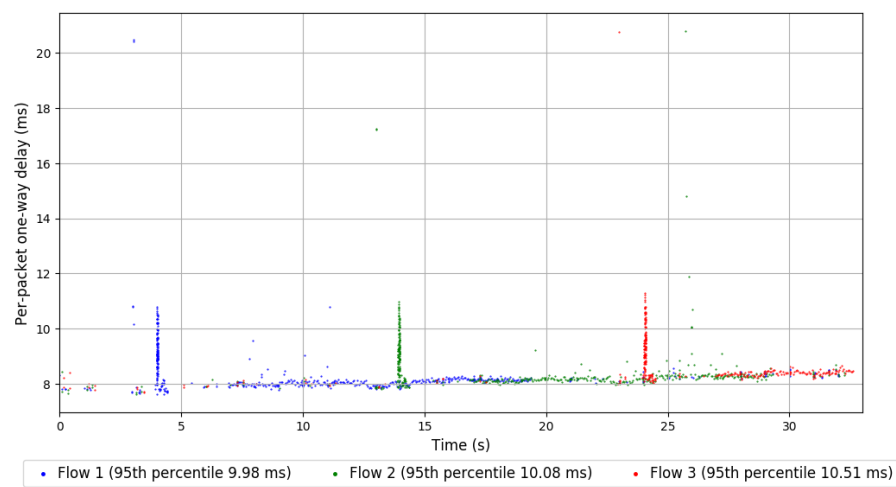
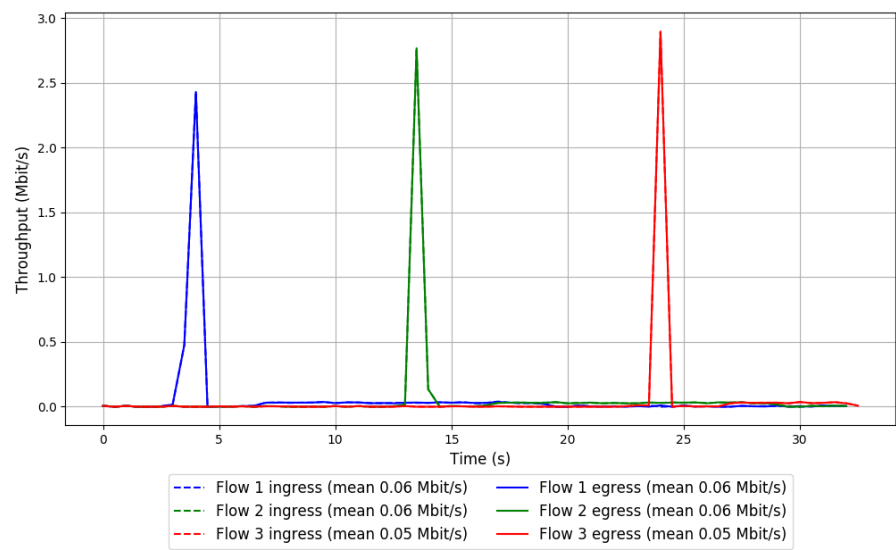
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 10.511 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

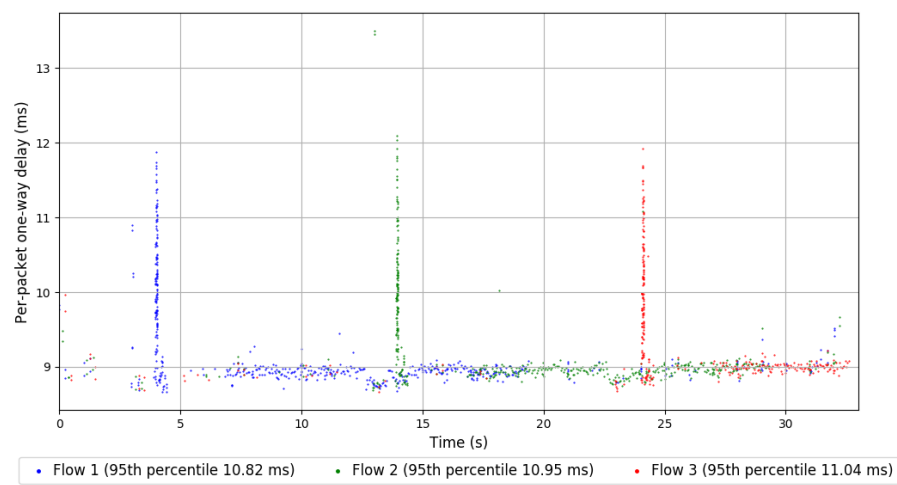
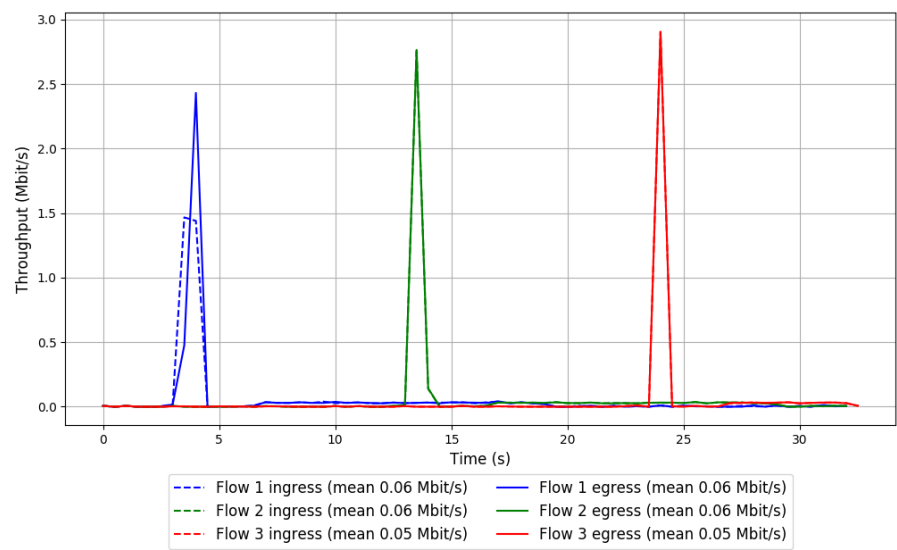


Run 4: Statistics of WebRTC media

Start at: 2018-04-03 22:09:05
End at: 2018-04-03 22:09:35
Local clock offset: 3.655 ms
Remote clock offset: -6.201 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 10.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.822 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.946 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.038 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-03 22:30:03

End at: 2018-04-03 22:30:33

Local clock offset: 3.447 ms

Remote clock offset: -7.43 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 11.083 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 11.152 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 11.037 ms

Loss rate: 0.00%

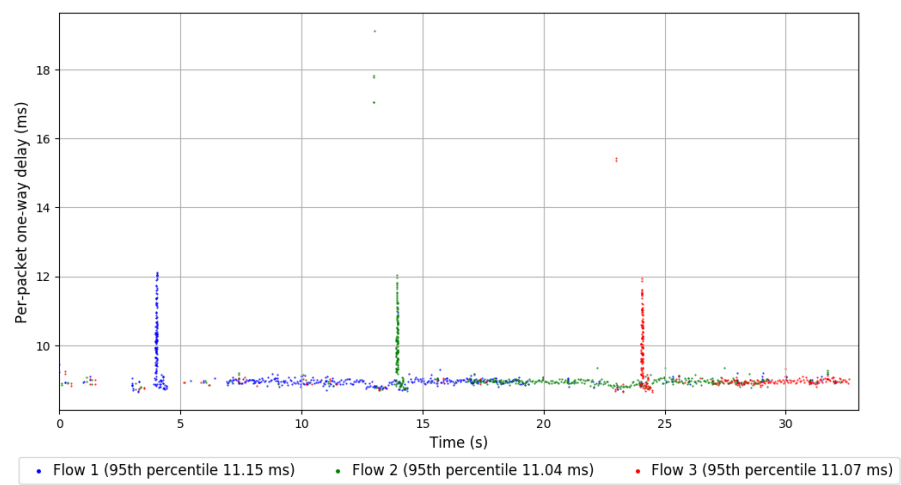
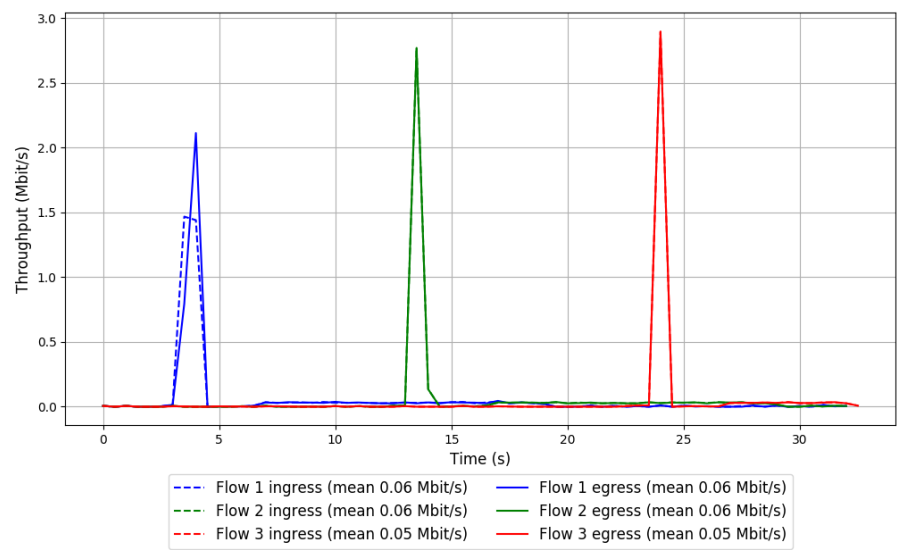
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 11.073 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

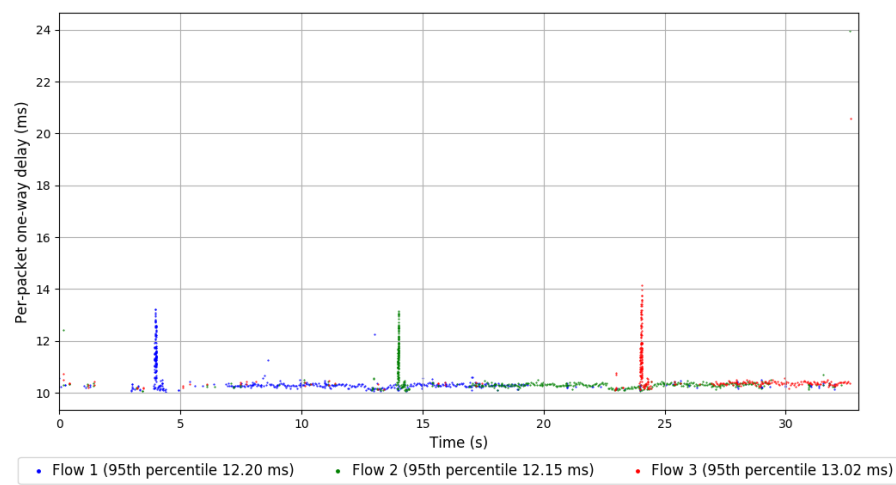
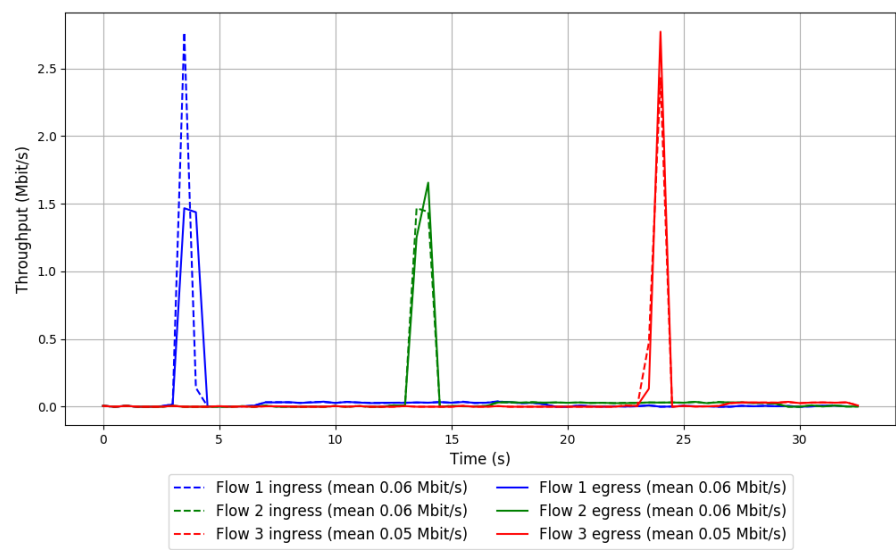


Run 6: Statistics of WebRTC media

Start at: 2018-04-03 22:51:00
End at: 2018-04-03 22:51:30
Local clock offset: 0.662 ms
Remote clock offset: -9.739 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 12.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 12.153 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 13.015 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-03 23:11:48

End at: 2018-04-03 23:12:18

Local clock offset: 0.293 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 12.233 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 12.232 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 12.256 ms

Loss rate: 0.00%

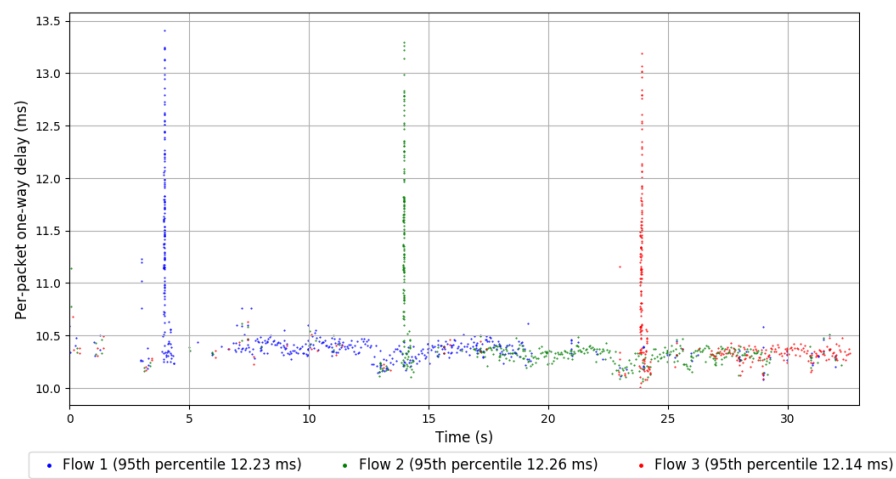
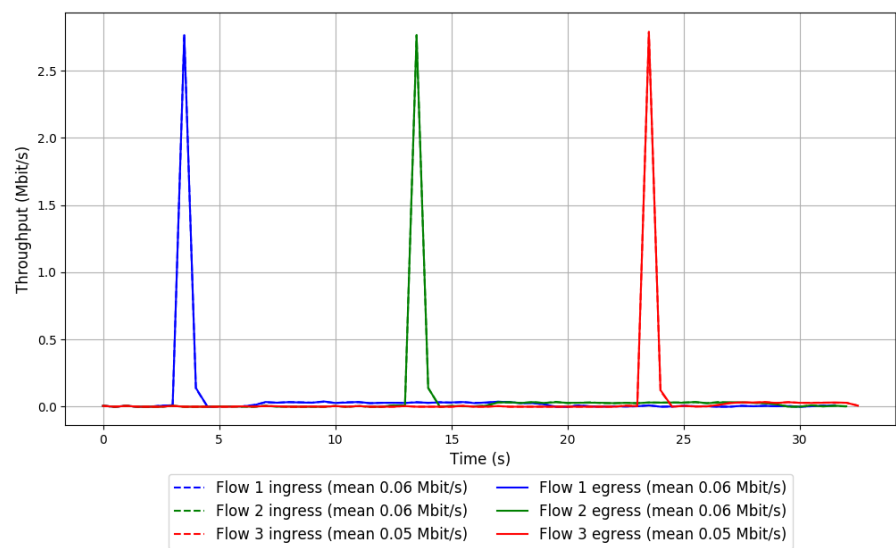
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.138 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-03 23:32:46

End at: 2018-04-03 23:33:16

Local clock offset: 1.663 ms

Remote clock offset: 0.929 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 13.144 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 12.557 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 12.926 ms

Loss rate: 0.00%

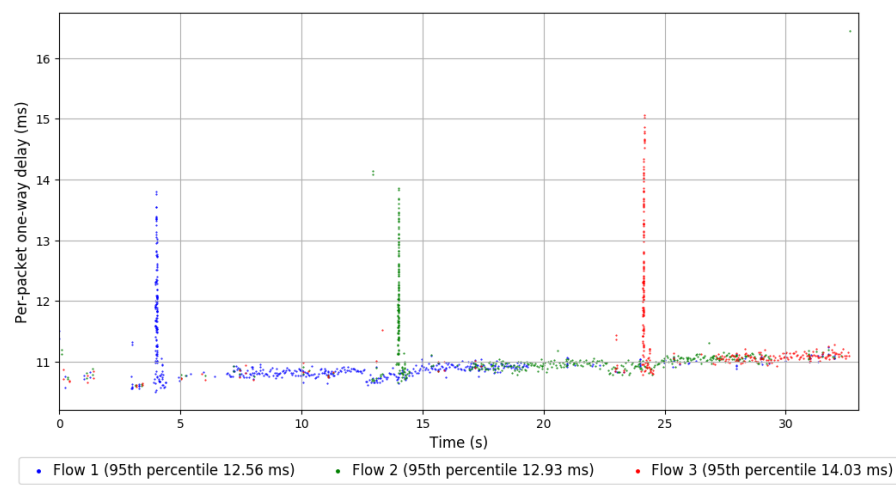
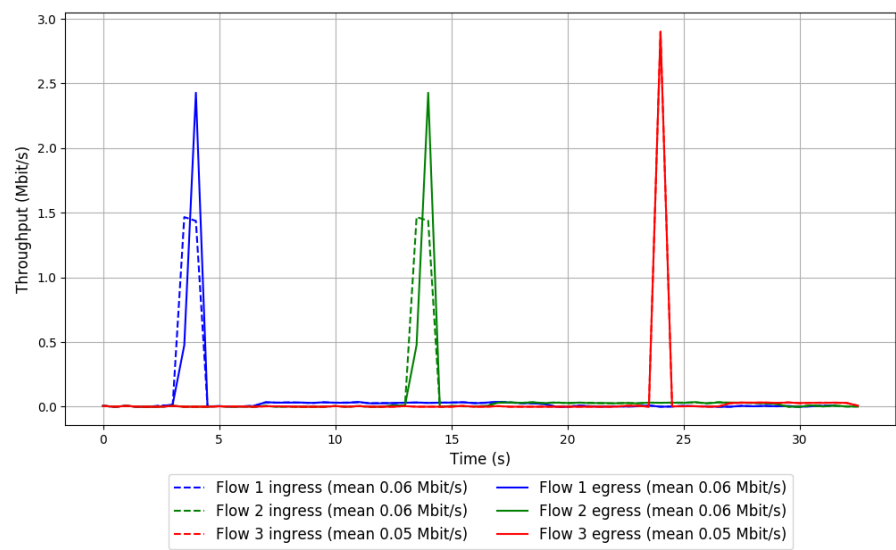
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 14.031 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

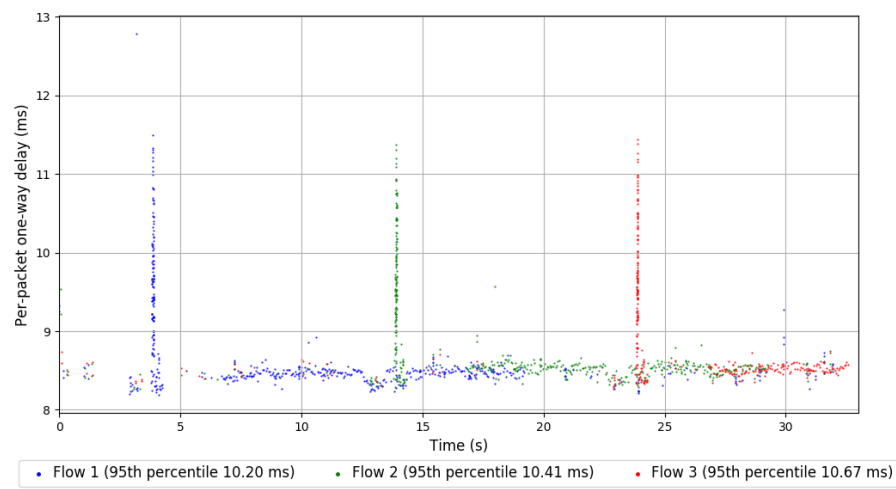
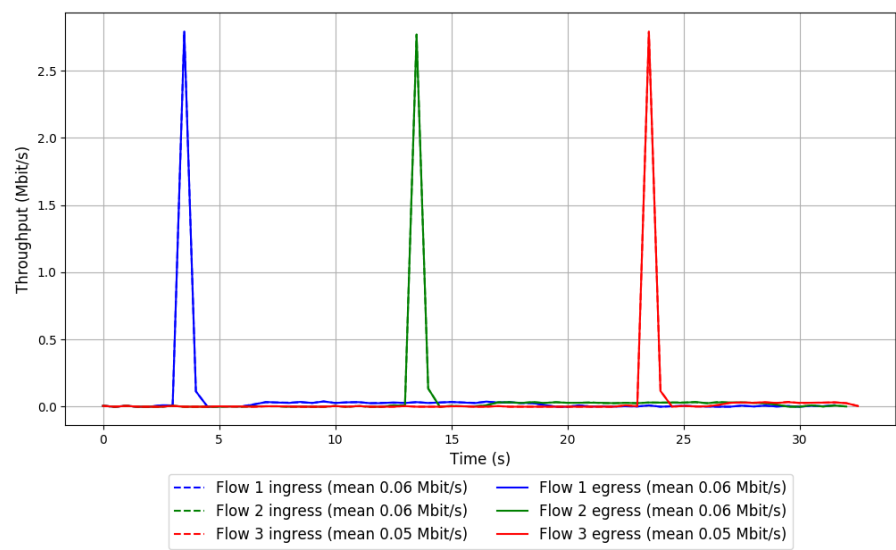


Run 9: Statistics of WebRTC media

Start at: 2018-04-03 23:53:44
End at: 2018-04-03 23:54:14
Local clock offset: 5.283 ms
Remote clock offset: -3.842 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 10.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.411 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.667 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

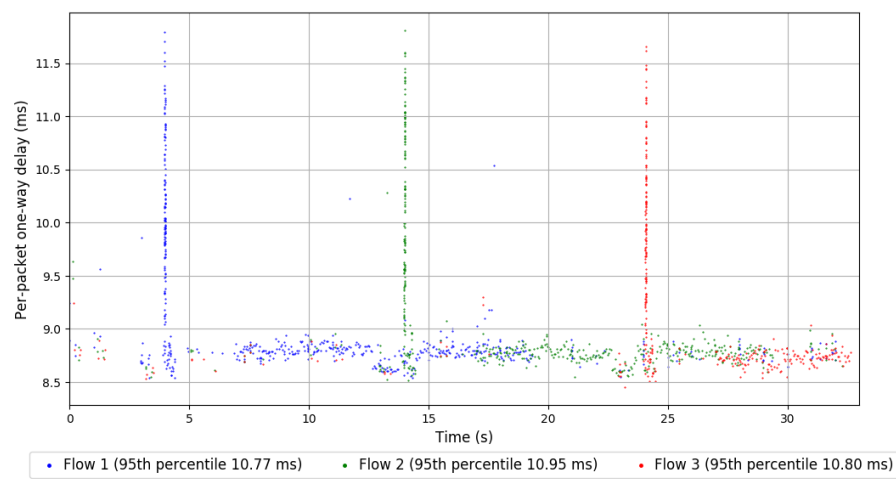
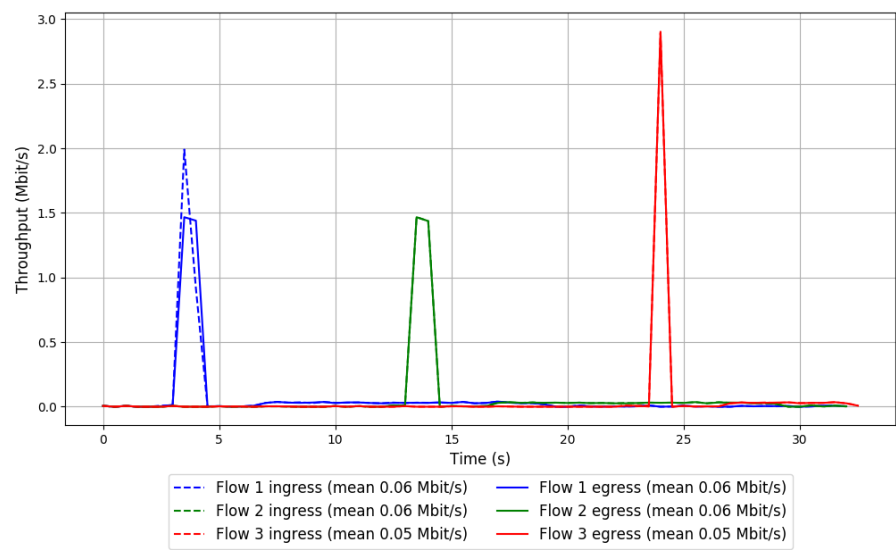


Run 10: Statistics of WebRTC media

Start at: 2018-04-04 00:14:41
End at: 2018-04-04 00:15:11
Local clock offset: 4.369 ms
Remote clock offset: -2.312 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 10.871 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 10.946 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.801 ms
Loss rate: 0.04%

Run 10: Report of WebRTC media — Data Link

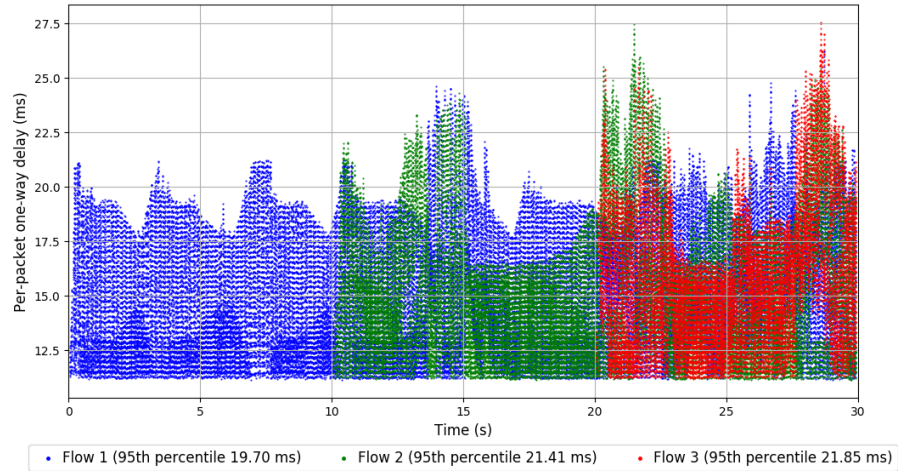
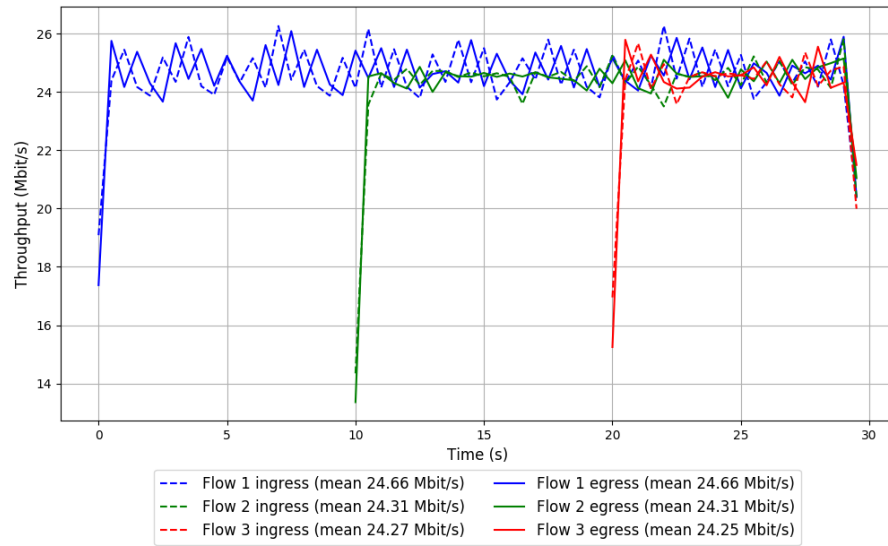


```
Run 1: Statistics of Sprout

Start at: 2018-04-03 20:52:04
End at: 2018-04-03 20:52:34
Local clock offset: 0.157 ms
Remote clock offset: 1.339 ms

# Below is generated by plot.py at 2018-04-04 00:59:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 20.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 19.705 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 21.854 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-03 21:13:05

End at: 2018-04-03 21:13:35

Local clock offset: 2.457 ms

Remote clock offset: 2.202 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.50 Mbit/s

95th percentile per-packet one-way delay: 17.191 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 17.079 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 24.33 Mbit/s

95th percentile per-packet one-way delay: 17.780 ms

Loss rate: 0.00%

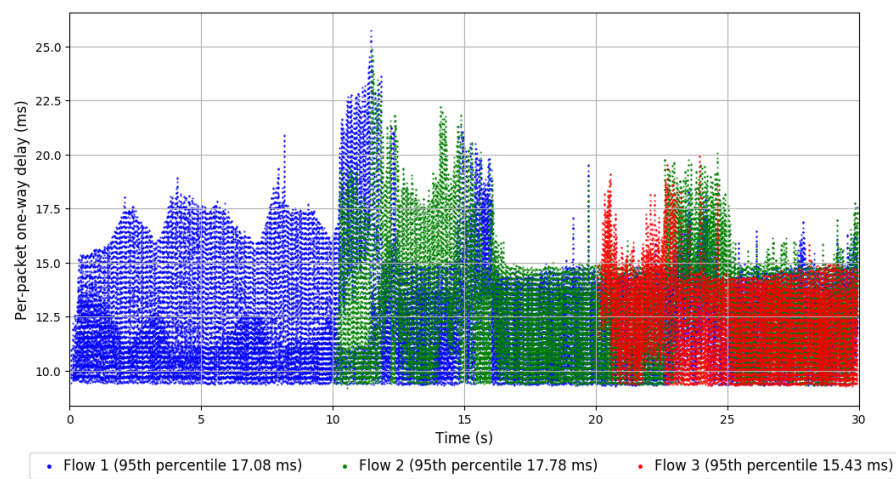
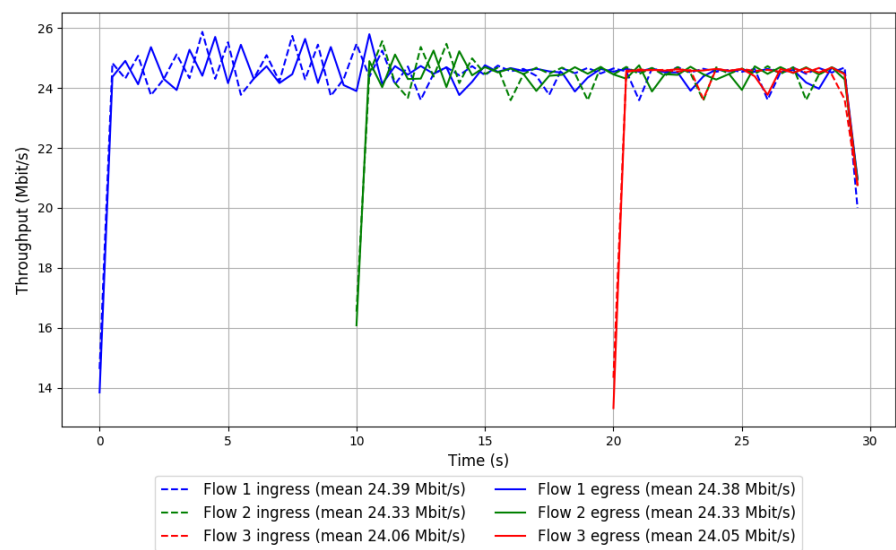
-- Flow 3:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 15.426 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-03 21:34:06

End at: 2018-04-03 21:34:36

Local clock offset: 5.083 ms

Remote clock offset: 5.986 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.80 Mbit/s

95th percentile per-packet one-way delay: 19.632 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 19.541 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 20.167 ms

Loss rate: 0.00%

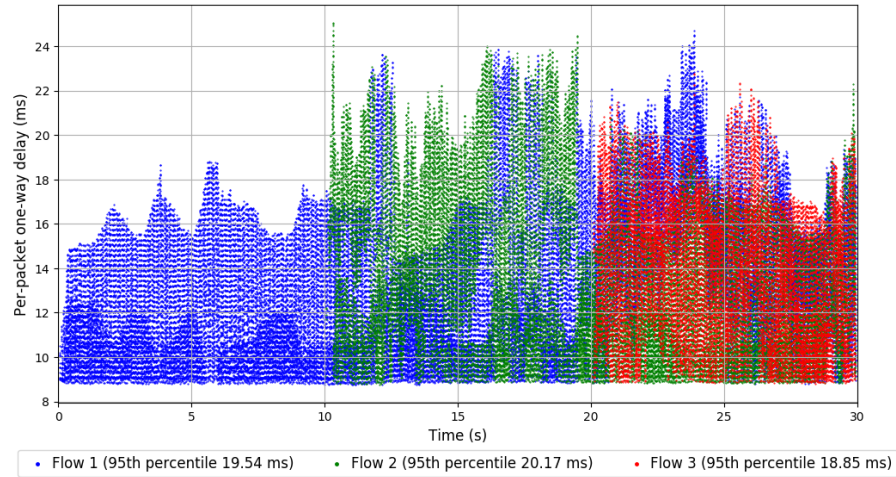
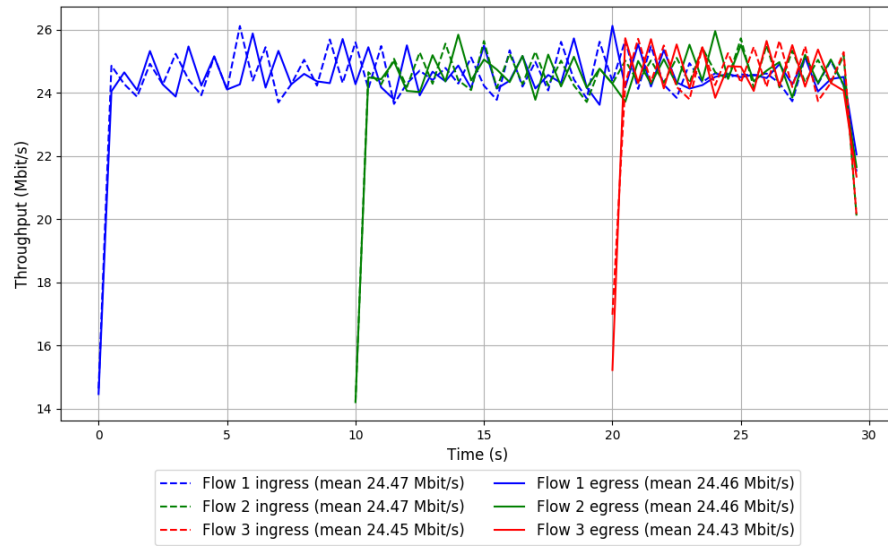
-- Flow 3:

Average throughput: 24.43 Mbit/s

95th percentile per-packet one-way delay: 18.852 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-04-03 21:55:05

End at: 2018-04-03 21:55:35

Local clock offset: 4.114 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-04-04 00:59:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 20.225 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 20.400 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.43 Mbit/s

95th percentile per-packet one-way delay: 19.627 ms

Loss rate: 0.00%

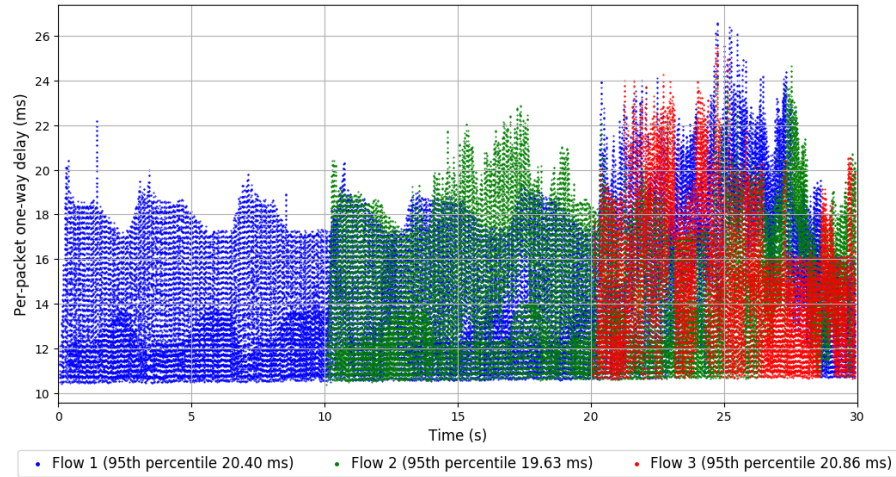
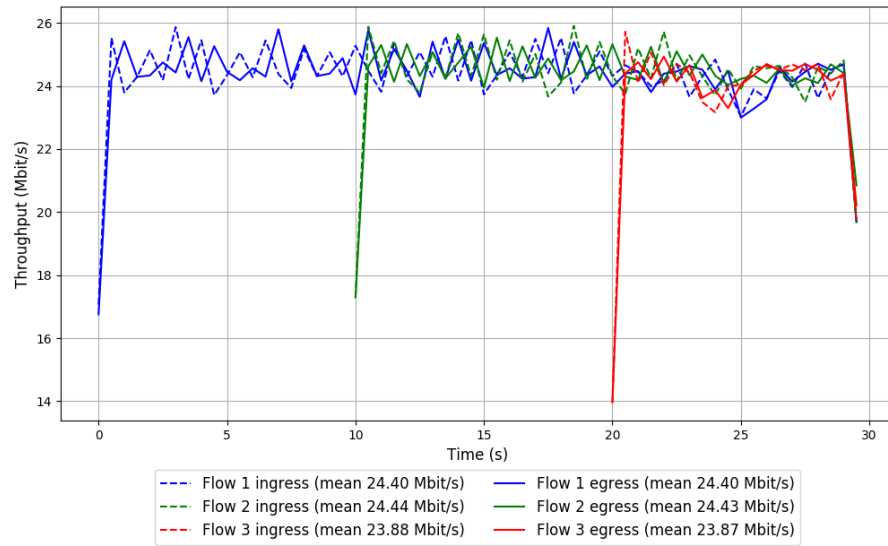
-- Flow 3:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 20.857 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

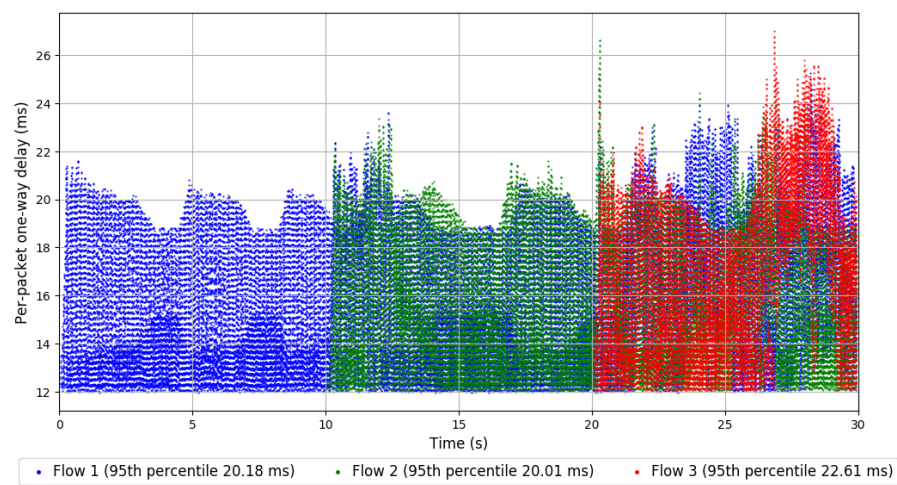
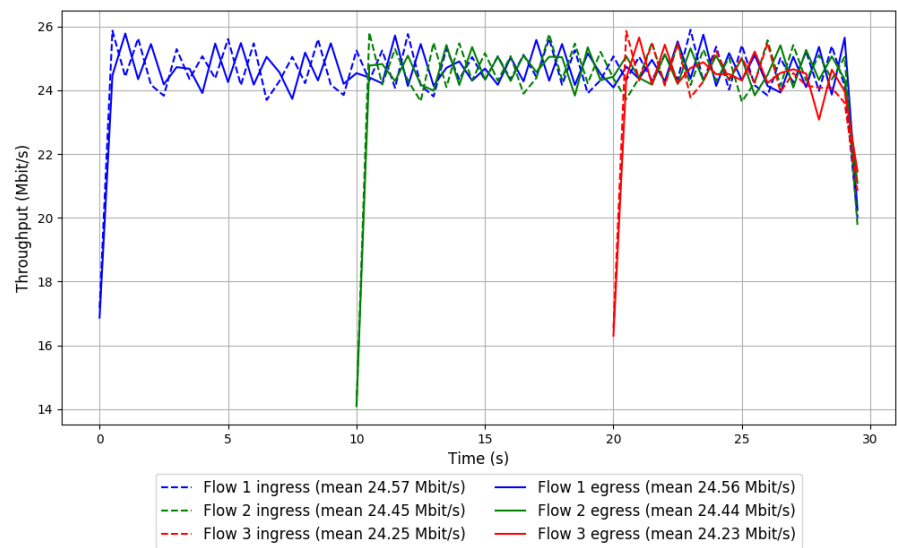


Run 5: Statistics of Sprout

Start at: 2018-04-03 22:16:03
End at: 2018-04-03 22:16:33
Local clock offset: 2.062 ms
Remote clock offset: -5.696 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 20.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 20.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 20.007 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 22.608 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

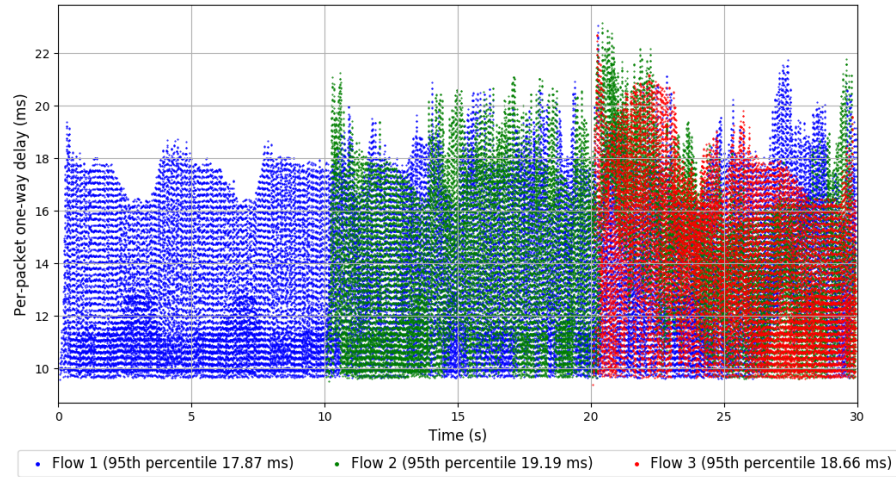
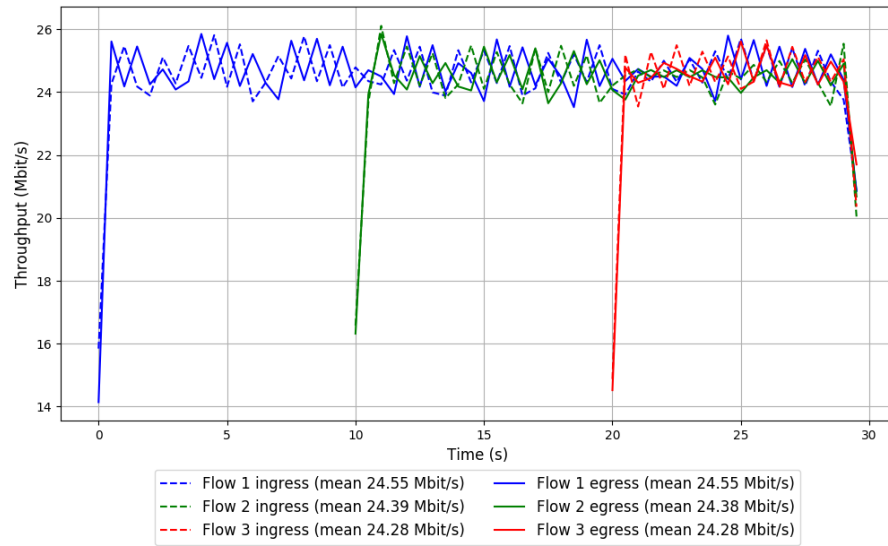


Run 6: Statistics of Sprout

Start at: 2018-04-03 22:37:01
End at: 2018-04-03 22:37:31
Local clock offset: 2.46 ms
Remote clock offset: -7.906 ms

Below is generated by plot.py at 2018-04-04 00:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 18.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 17.872 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 19.191 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 18.663 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-04-03 22:57:43

End at: 2018-04-03 22:58:13

Remote clock offset: -6.92 ms

Below is generated by plot.py at 2018-04-04 00:59:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 25.896 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 25.547 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 26.570 ms

Loss rate: 0.00%

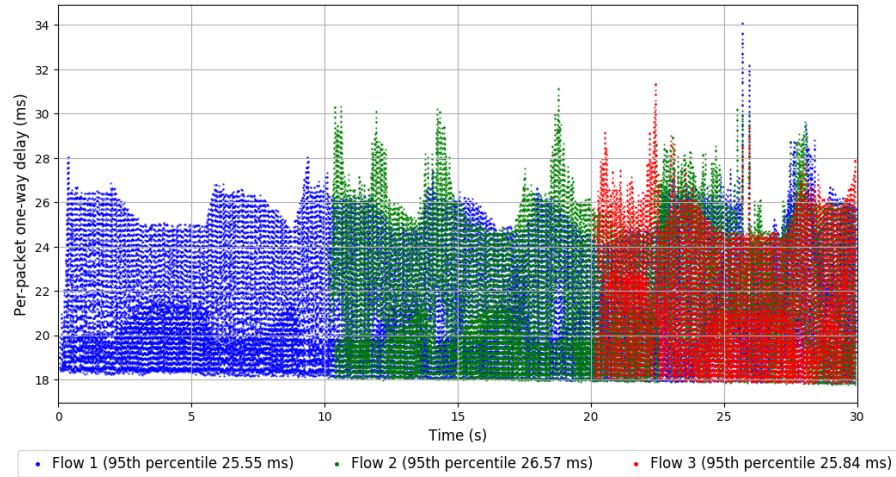
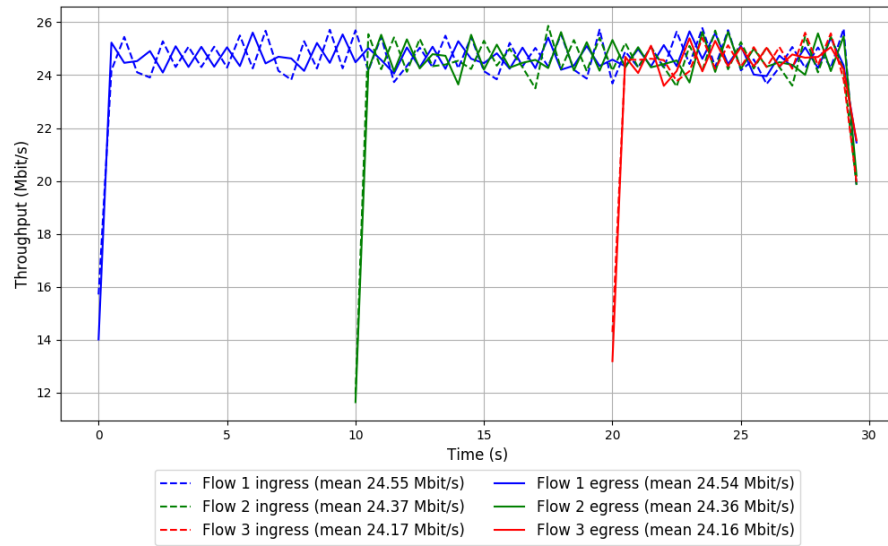
-- Flow 3:

Average throughput: 24.16 Mbit/s

95th percentile per-packet one-way delay: 25.838 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-03 23:18:46

End at: 2018-04-03 23:19:16

Local clock offset: 2.618 ms

Remote clock offset: 3.222 ms

Below is generated by plot.py at 2018-04-04 00:59:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.75 Mbit/s

95th percentile per-packet one-way delay: 18.248 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.49 Mbit/s

95th percentile per-packet one-way delay: 18.093 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 18.317 ms

Loss rate: 0.00%

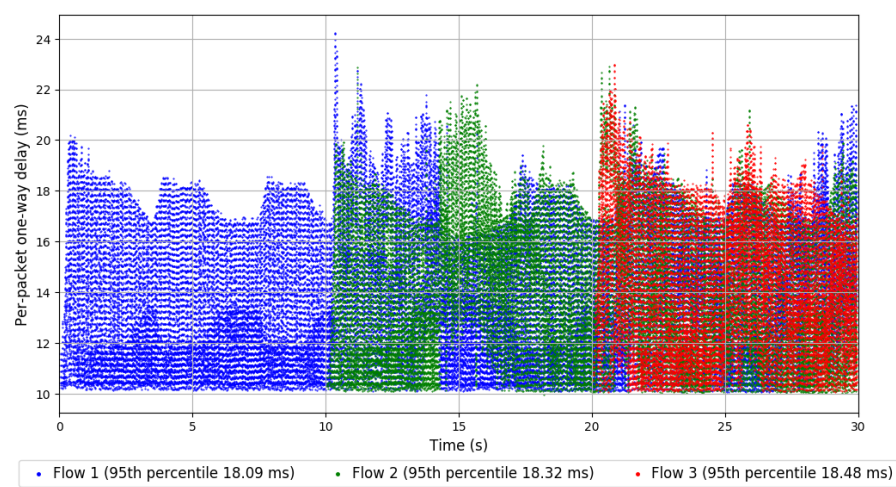
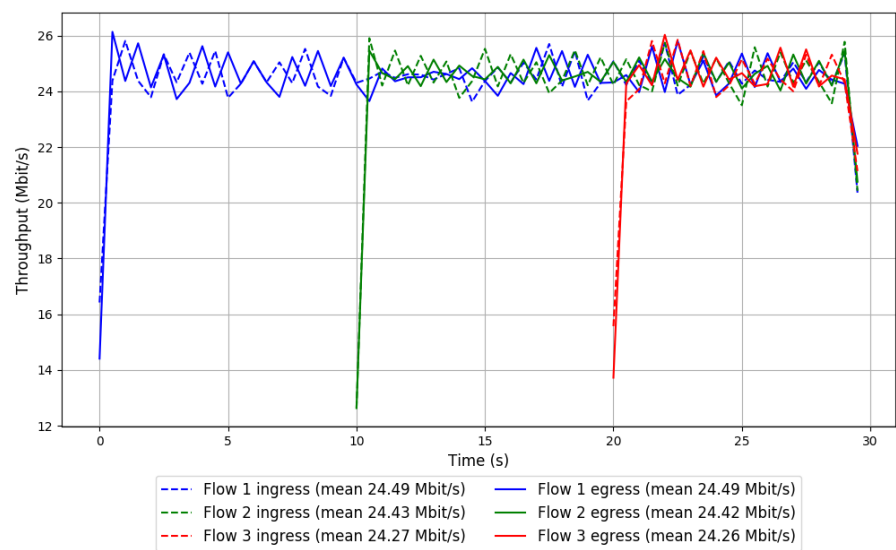
-- Flow 3:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 18.479 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

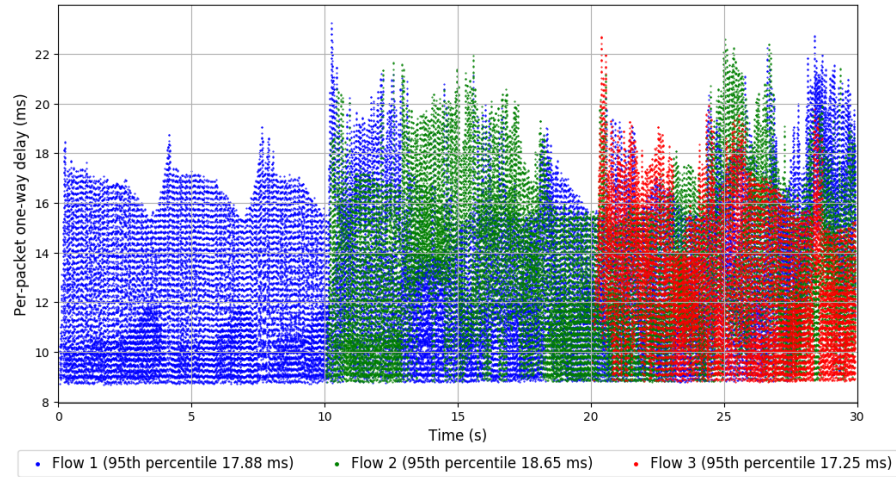
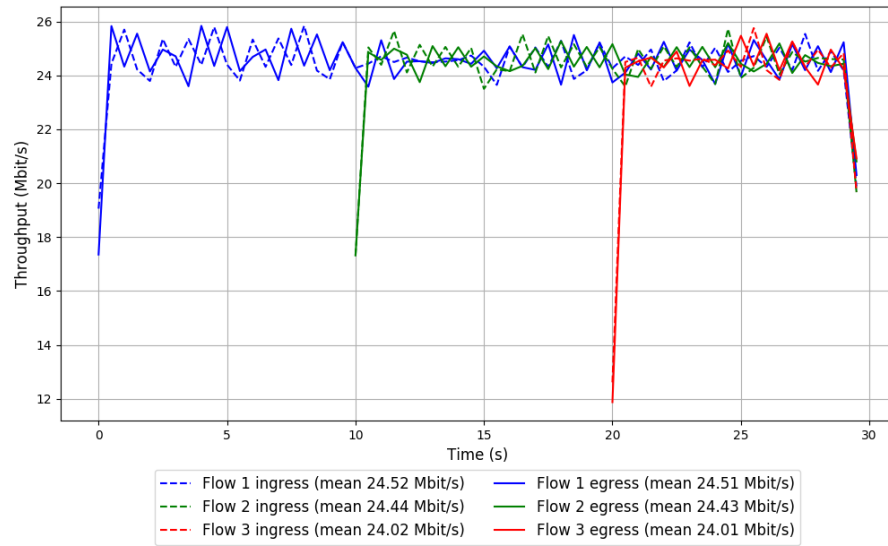


Run 9: Statistics of Sprout

Start at: 2018-04-03 23:39:43
End at: 2018-04-03 23:40:13
Local clock offset: 4.593 ms
Remote clock offset: -1.613 ms

Below is generated by plot.py at 2018-04-04 00:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 18.083 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 17.879 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 18.647 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 17.248 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

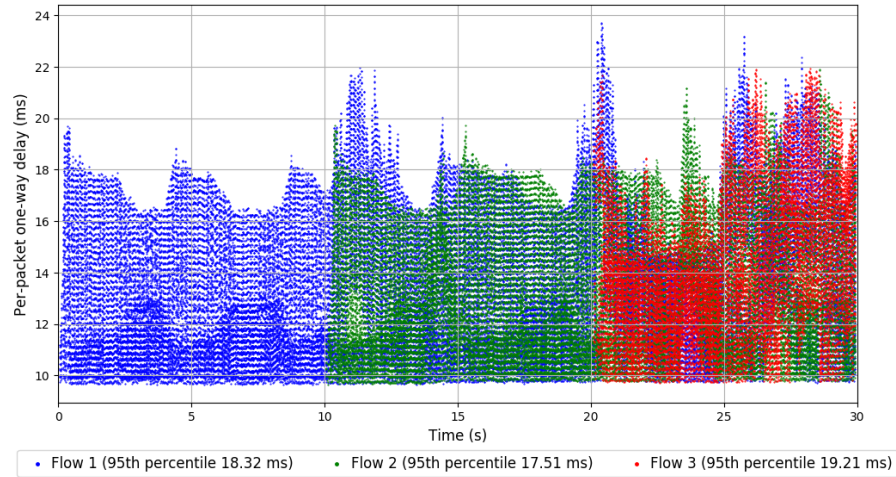
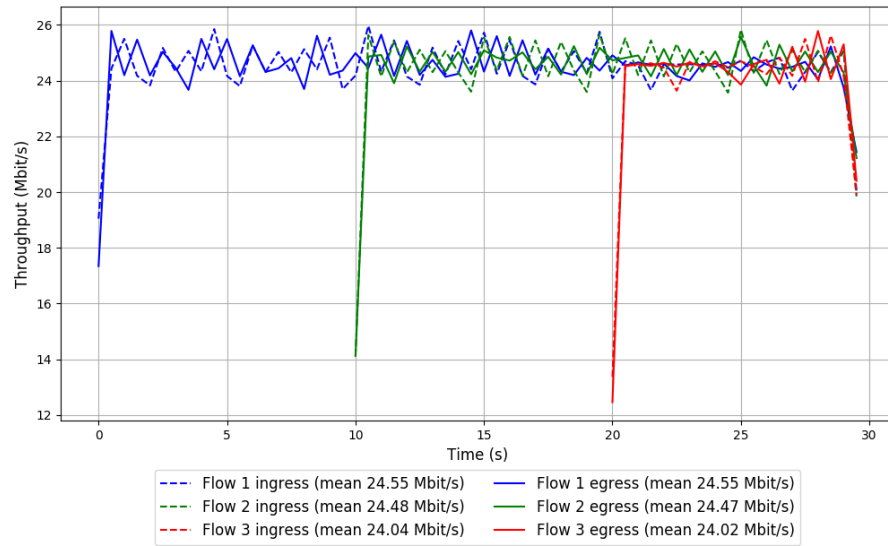


Run 10: Statistics of Sprout

Start at: 2018-04-04 00:00:41
End at: 2018-04-04 00:01:11
Local clock offset: 5.412 ms
Remote clock offset: -3.214 ms

Below is generated by plot.py at 2018-04-04 00:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 18.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 18.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 17.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

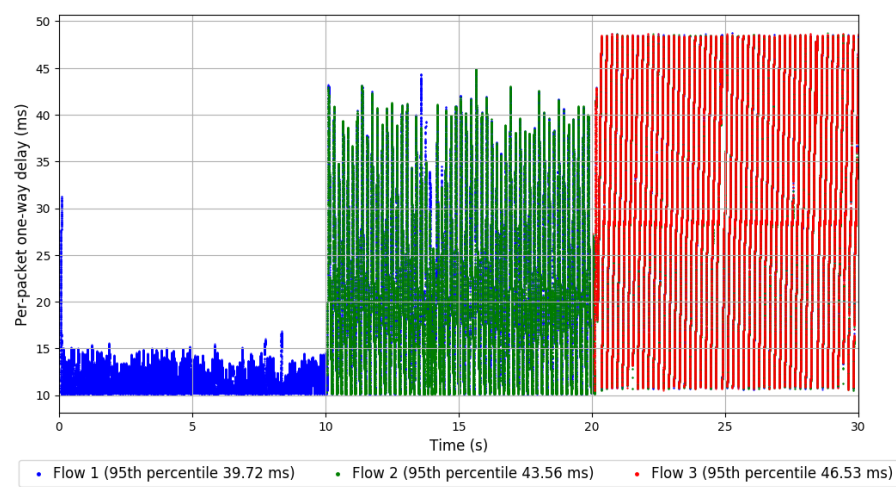
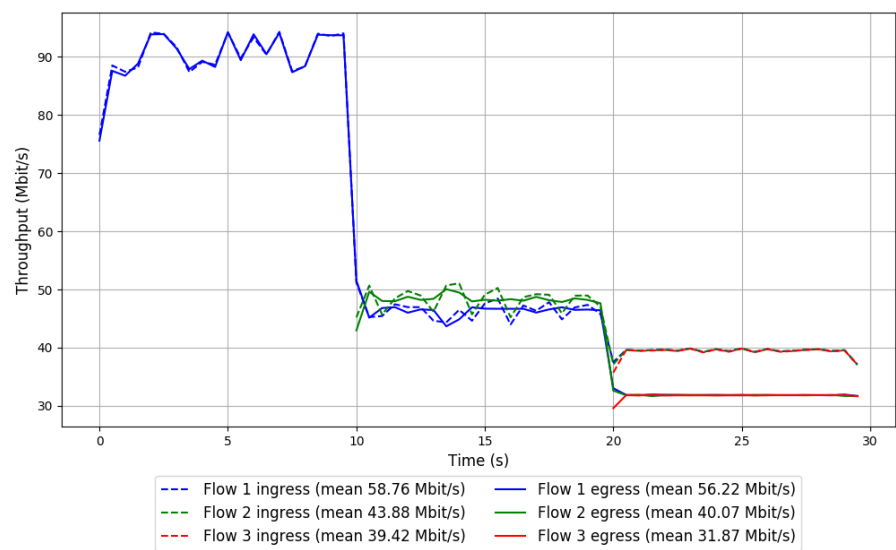


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-03 20:57:47
End at: 2018-04-03 20:58:17
Local clock offset: 3.429 ms
Remote clock offset: 3.573 ms

# Below is generated by plot.py at 2018-04-04 01:01:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 42.785 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 39.718 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 43.565 ms
Loss rate: 8.60%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 46.530 ms
Loss rate: 19.15%
```

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

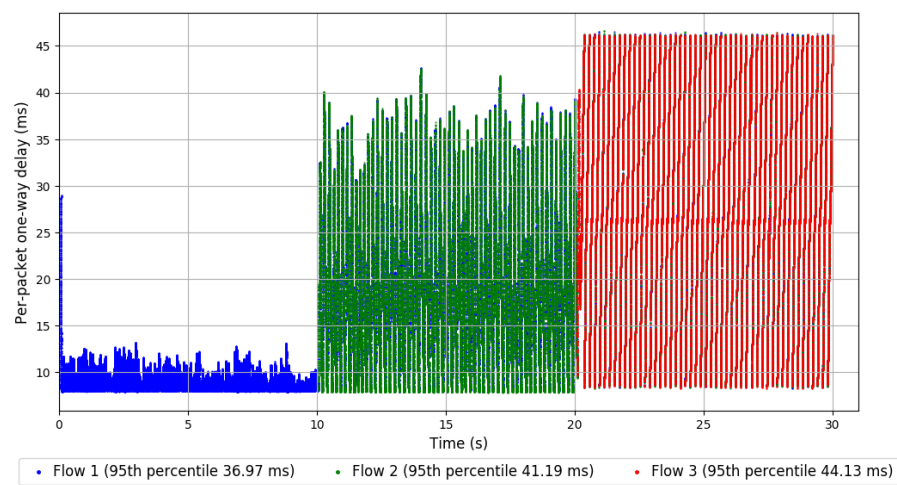
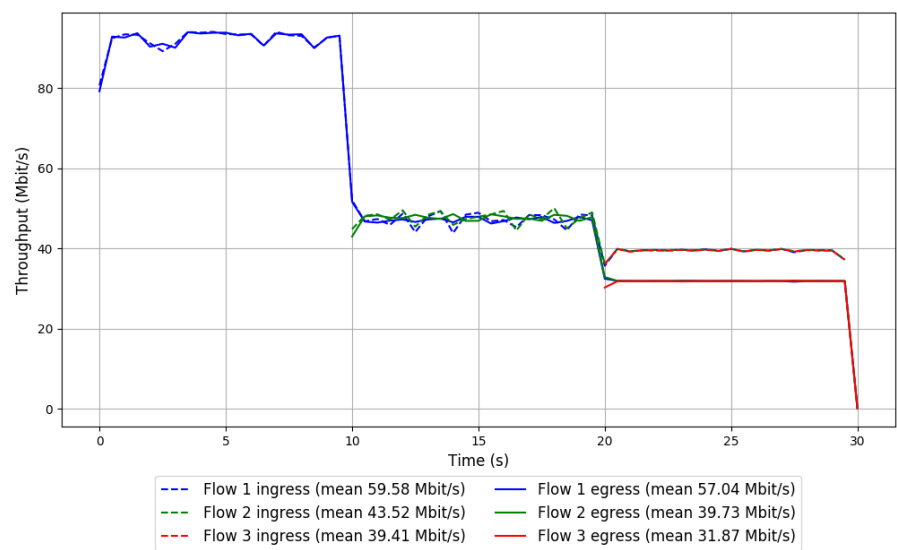


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-03 21:18:51
End at: 2018-04-03 21:19:21
Local clock offset: 5.139 ms
Remote clock offset: 4.065 ms

# Below is generated by plot.py at 2018-04-04 01:01:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 40.302 ms
Loss rate: 7.35%
-- Flow 1:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: 36.965 ms
Loss rate: 4.19%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 41.187 ms
Loss rate: 8.60%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 44.131 ms
Loss rate: 19.04%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-03 21:39:47

End at: 2018-04-03 21:40:18

Local clock offset: 3.891 ms

Remote clock offset: 6.25 ms

Below is generated by plot.py at 2018-04-04 01:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 42.594 ms

Loss rate: 7.56%

-- Flow 1:

Average throughput: 56.83 Mbit/s

95th percentile per-packet one-way delay: 39.672 ms

Loss rate: 4.30%

-- Flow 2:

Average throughput: 39.89 Mbit/s

95th percentile per-packet one-way delay: 43.481 ms

Loss rate: 8.78%

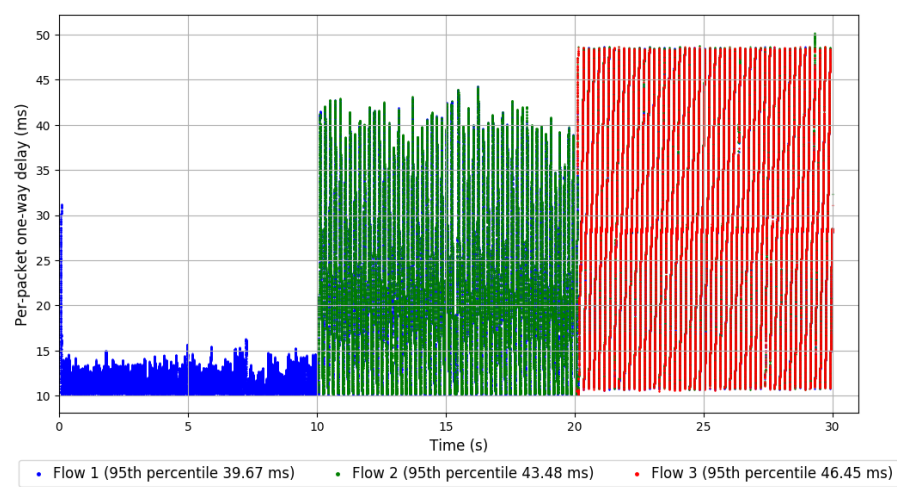
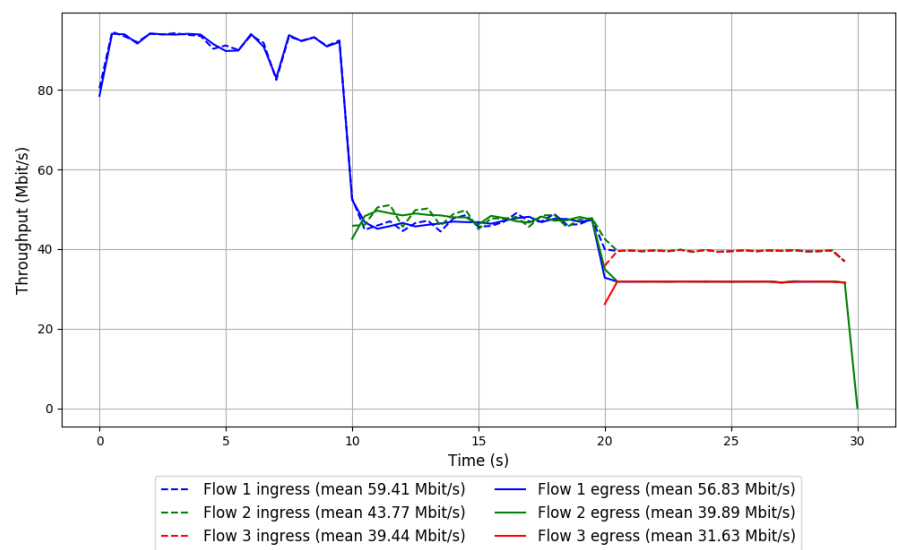
-- Flow 3:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 46.450 ms

Loss rate: 19.64%

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

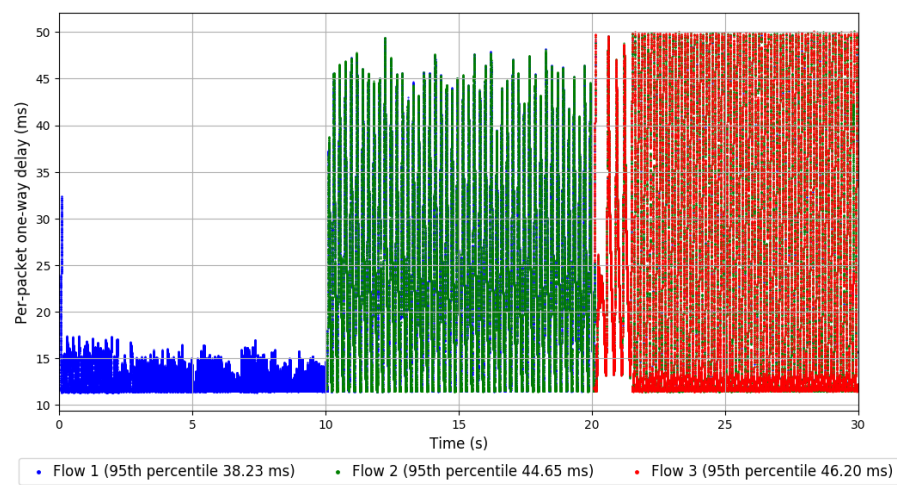
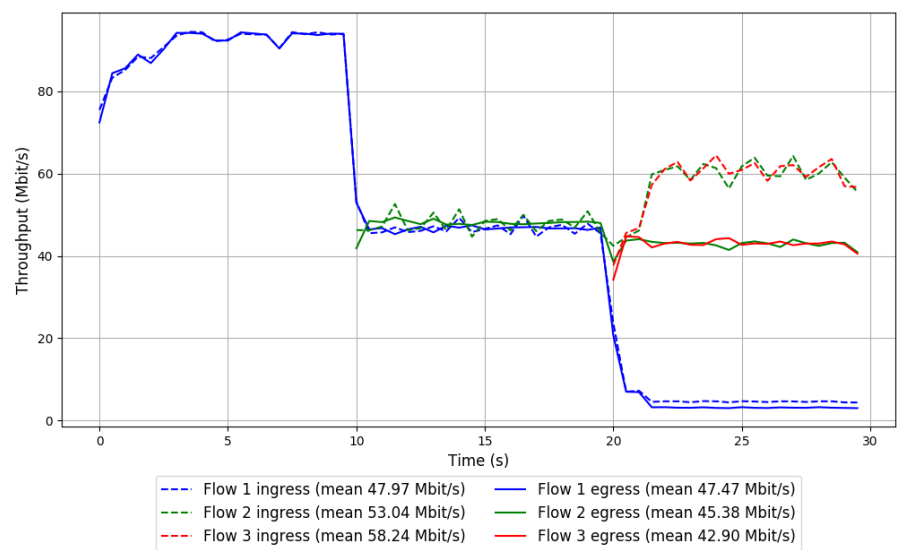


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-03 22:00:48
End at: 2018-04-03 22:01:18
Local clock offset: 3.176 ms
Remote clock offset: -1.986 ms

Below is generated by plot.py at 2018-04-04 01:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 43.100 ms
Loss rate: 10.42%
-- Flow 1:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 38.226 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 44.654 ms
Loss rate: 14.43%
-- Flow 3:
Average throughput: 42.90 Mbit/s
95th percentile per-packet one-way delay: 46.205 ms
Loss rate: 26.36%

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

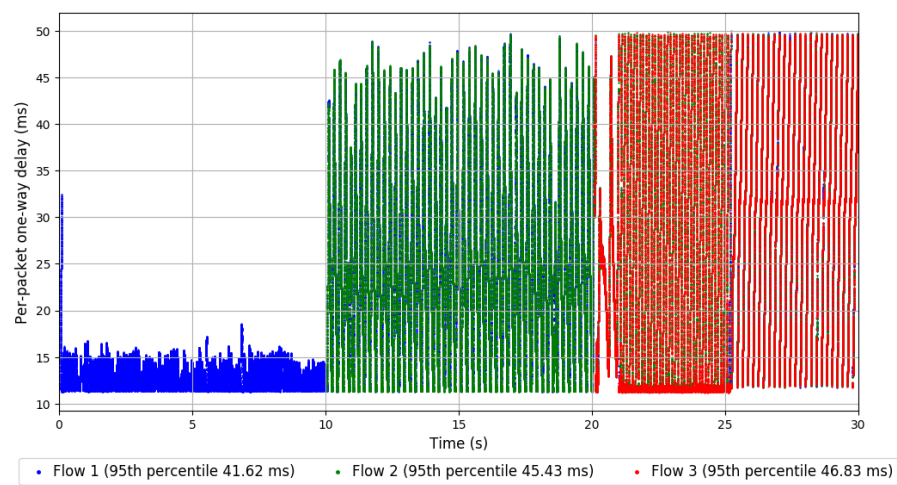
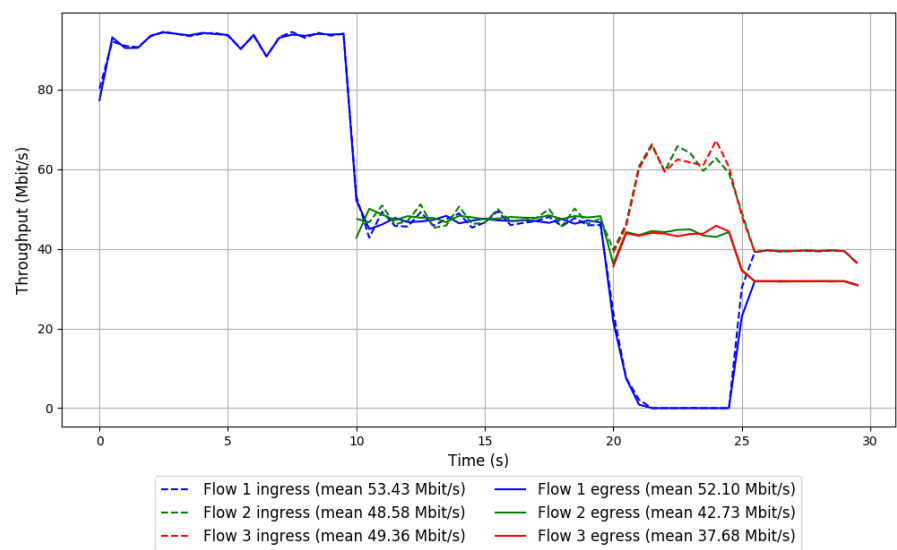


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-03 22:21:46
End at: 2018-04-03 22:22:16
Local clock offset: 1.734 ms
Remote clock offset: -6.888 ms

Below is generated by plot.py at 2018-04-04 01:02:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 44.314 ms
Loss rate: 8.86%
-- Flow 1:
Average throughput: 52.10 Mbit/s
95th percentile per-packet one-way delay: 41.622 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 42.73 Mbit/s
95th percentile per-packet one-way delay: 45.426 ms
Loss rate: 12.00%
-- Flow 3:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 46.828 ms
Loss rate: 23.56%

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

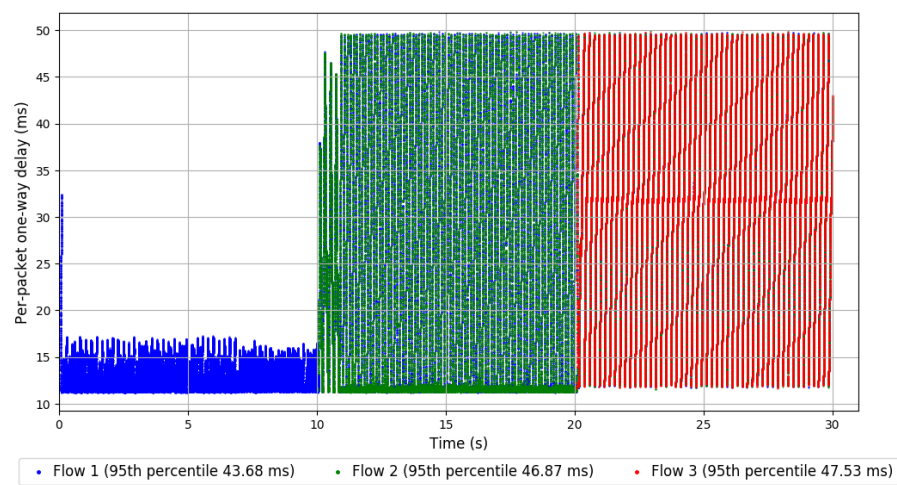
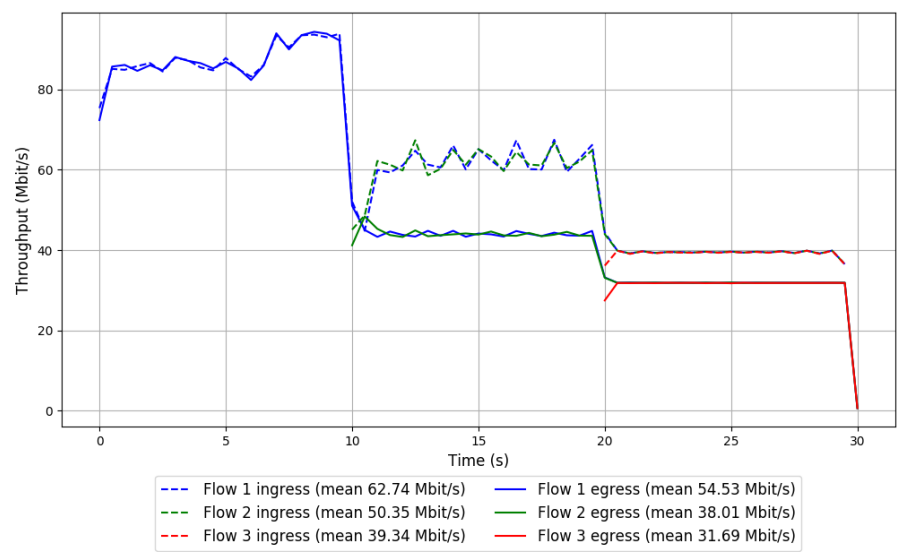


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-03 22:42:43
End at: 2018-04-03 22:43:13
Local clock offset: 0.442 ms
Remote clock offset: -8.555 ms

Below is generated by plot.py at 2018-04-04 01:02:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 45.756 ms
Loss rate: 17.24%
-- Flow 1:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 43.683 ms
Loss rate: 13.00%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 46.871 ms
Loss rate: 24.39%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 47.534 ms
Loss rate: 19.21%

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

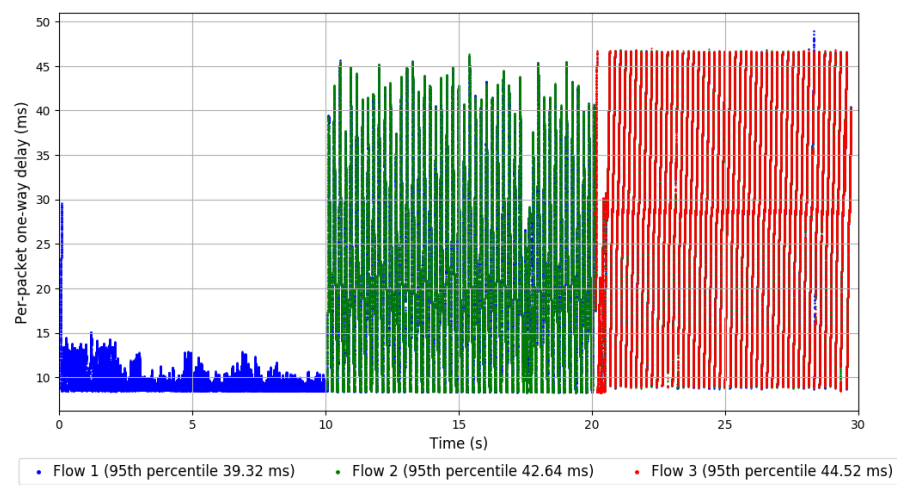
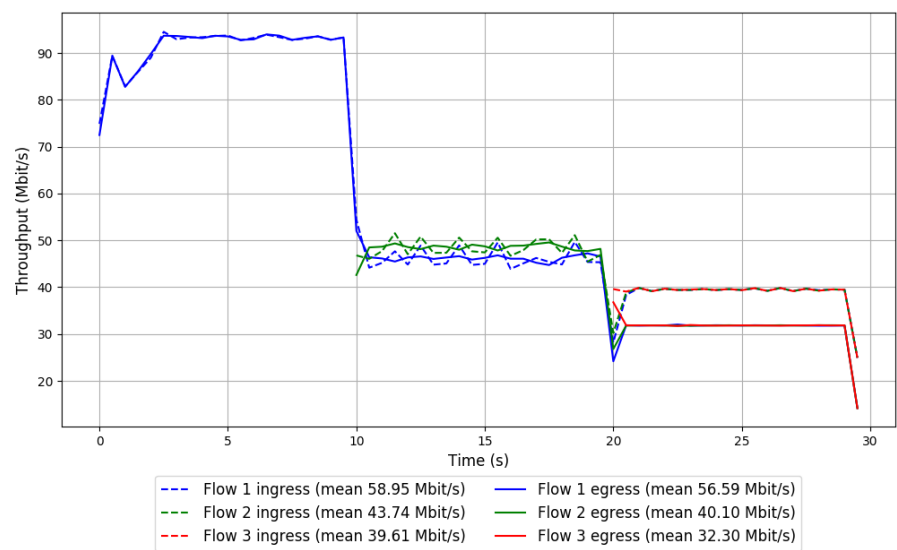


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-03 23:03:28
End at: 2018-04-03 23:03:58
Local clock offset: 3.614 ms
Remote clock offset: -2.339 ms

Below is generated by plot.py at 2018-04-04 01:02:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 41.725 ms
Loss rate: 7.56%
-- Flow 1:
Average throughput: 56.59 Mbit/s
95th percentile per-packet one-way delay: 39.323 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 42.639 ms
Loss rate: 8.79%
-- Flow 3:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 44.524 ms
Loss rate: 19.49%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-03 23:24:29

End at: 2018-04-03 23:24:59

Local clock offset: 4.017 ms

Remote clock offset: 2.968 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.97 Mbit/s

95th percentile per-packet one-way delay: 41.982 ms

Loss rate: 14.38%

-- Flow 1:

Average throughput: 54.73 Mbit/s

95th percentile per-packet one-way delay: 39.960 ms

Loss rate: 10.46%

-- Flow 2:

Average throughput: 38.61 Mbit/s

95th percentile per-packet one-way delay: 42.997 ms

Loss rate: 19.84%

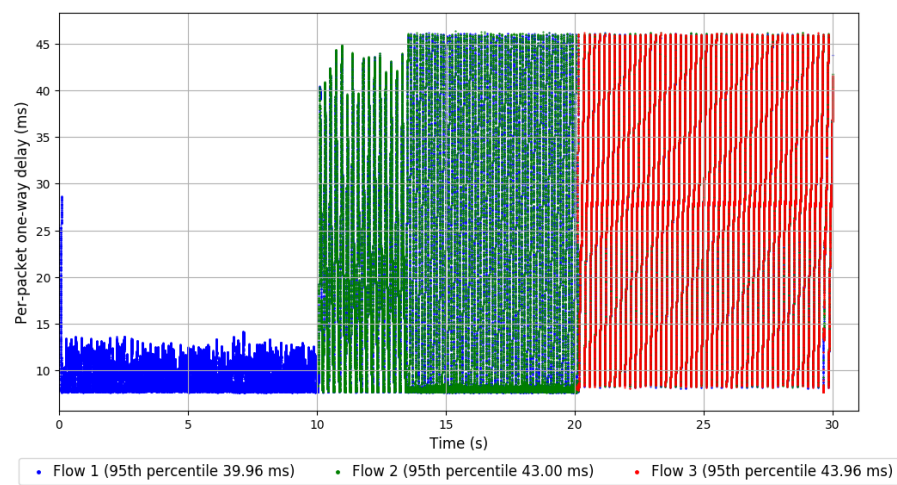
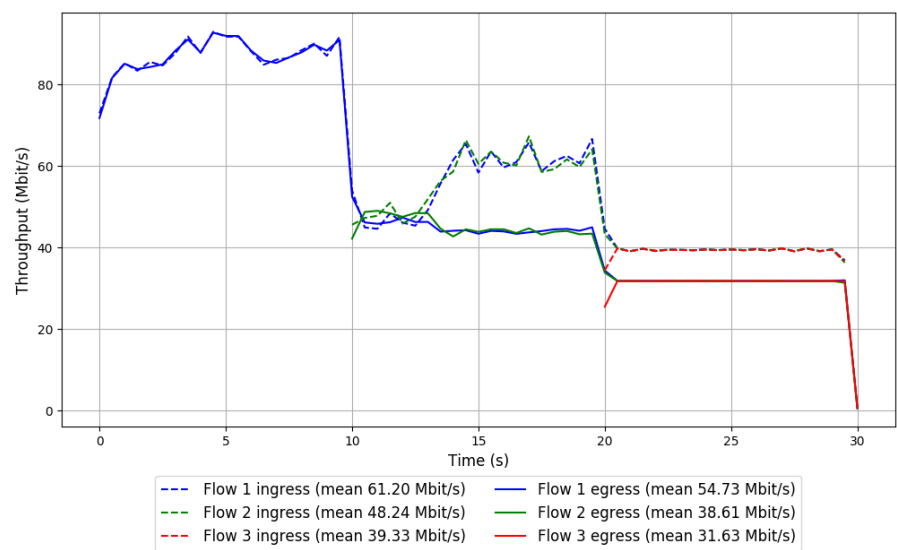
-- Flow 3:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 43.956 ms

Loss rate: 19.32%

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

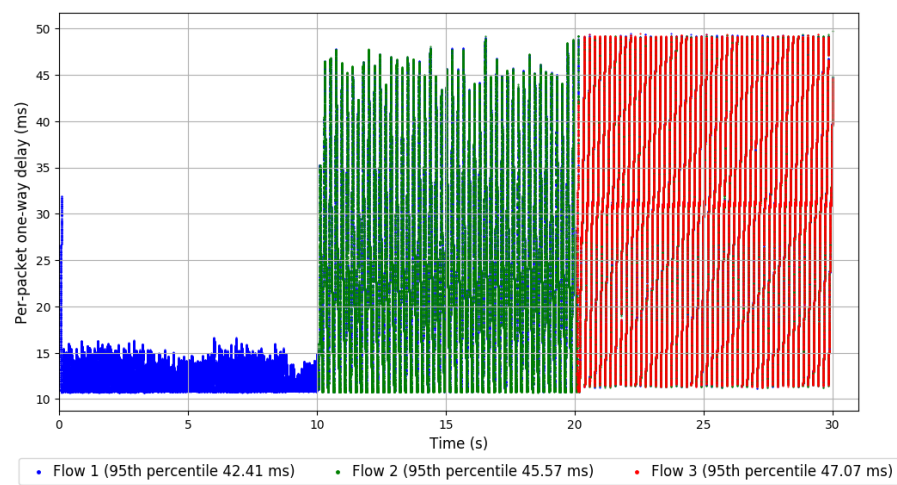
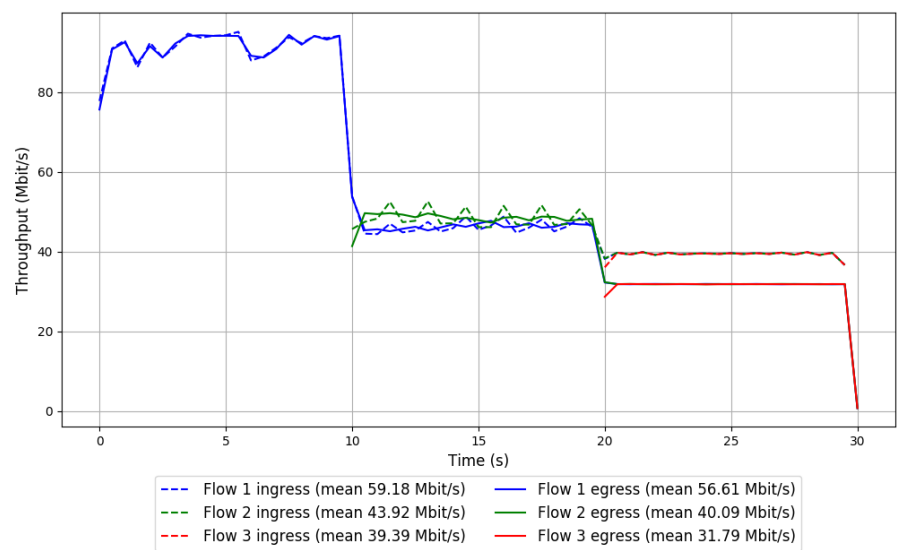


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-03 23:45:26
End at: 2018-04-03 23:45:56
Local clock offset: 3.742 ms
Remote clock offset: -2.241 ms

Below is generated by plot.py at 2018-04-04 01:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 44.634 ms
Loss rate: 7.39%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 42.415 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 40.09 Mbit/s
95th percentile per-packet one-way delay: 45.569 ms
Loss rate: 8.56%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 47.066 ms
Loss rate: 19.08%

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

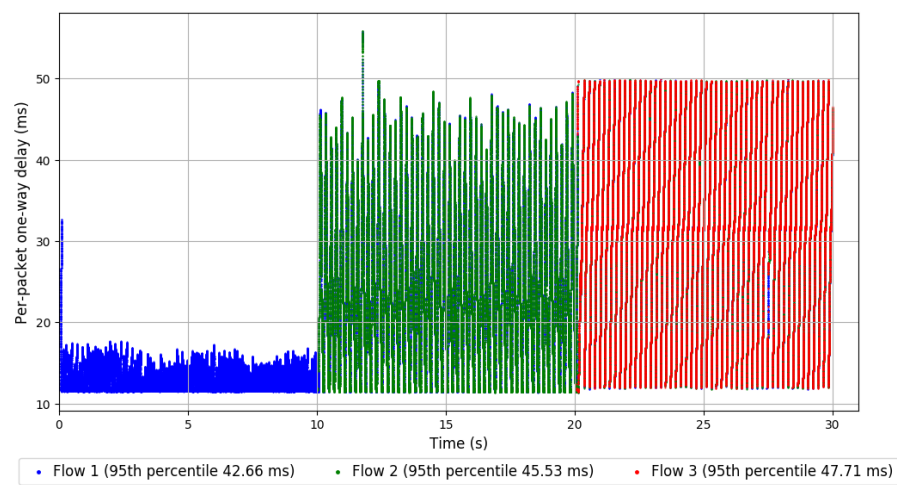
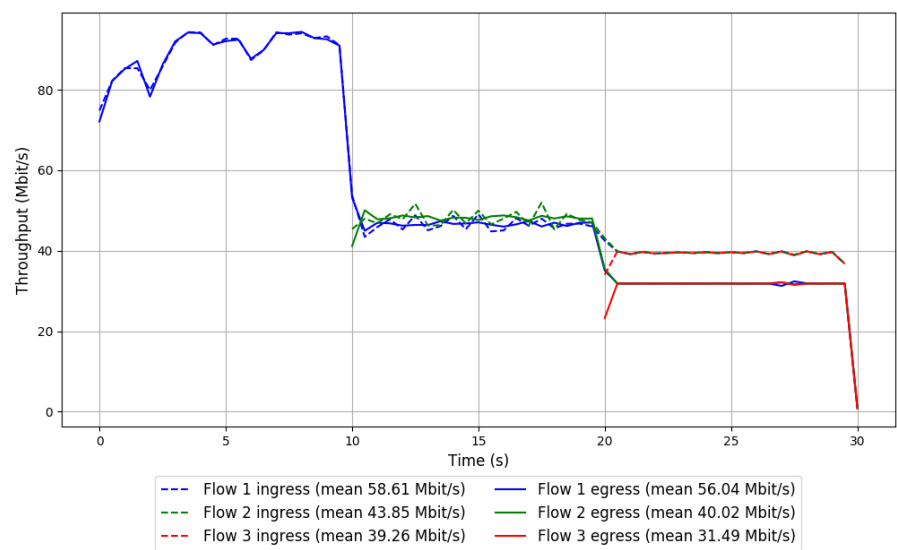


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-04 00:06:24
End at: 2018-04-04 00:06:54
Local clock offset: 1.739 ms
Remote clock offset: -3.708 ms

Below is generated by plot.py at 2018-04-04 01:04:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 44.821 ms
Loss rate: 7.50%
-- Flow 1:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 42.658 ms
Loss rate: 4.28%
-- Flow 2:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 45.534 ms
Loss rate: 8.61%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 47.709 ms
Loss rate: 19.50%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-03 21:02:36

End at: 2018-04-03 21:03:06

Local clock offset: 3.994 ms

Remote clock offset: 3.852 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 19.856 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.86 Mbit/s

95th percentile per-packet one-way delay: 22.193 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 14.398 ms

Loss rate: 0.00%

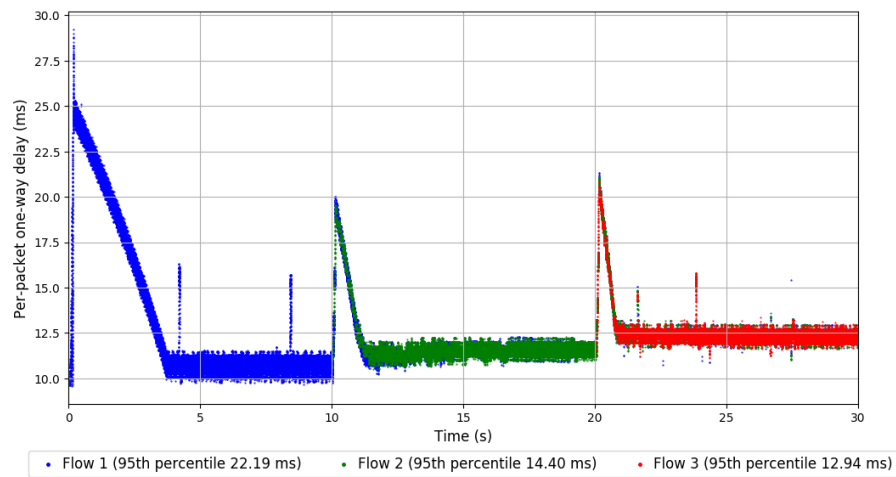
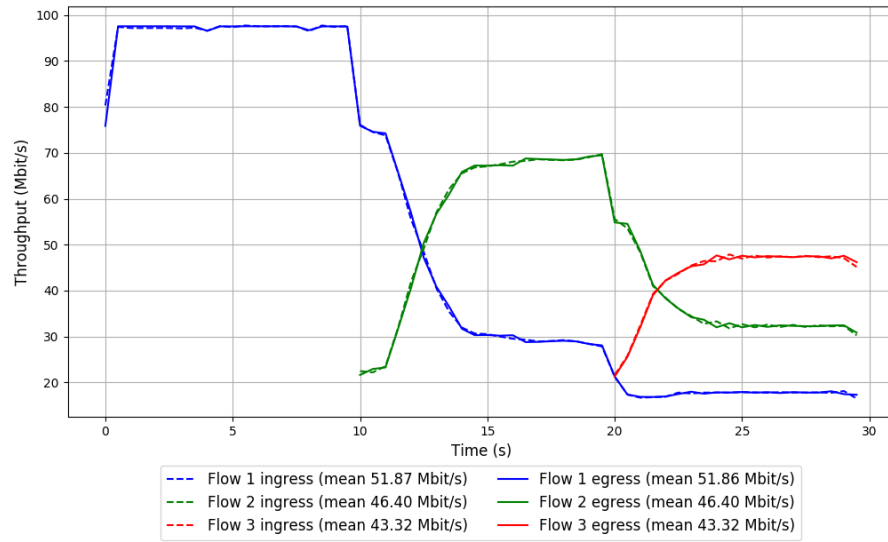
-- Flow 3:

Average throughput: 43.32 Mbit/s

95th percentile per-packet one-way delay: 12.943 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-03 21:23:38

End at: 2018-04-03 21:24:08

Local clock offset: 1.781 ms

Remote clock offset: 4.453 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 21.223 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 56.00 Mbit/s

95th percentile per-packet one-way delay: 23.369 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 42.16 Mbit/s

95th percentile per-packet one-way delay: 14.090 ms

Loss rate: 0.00%

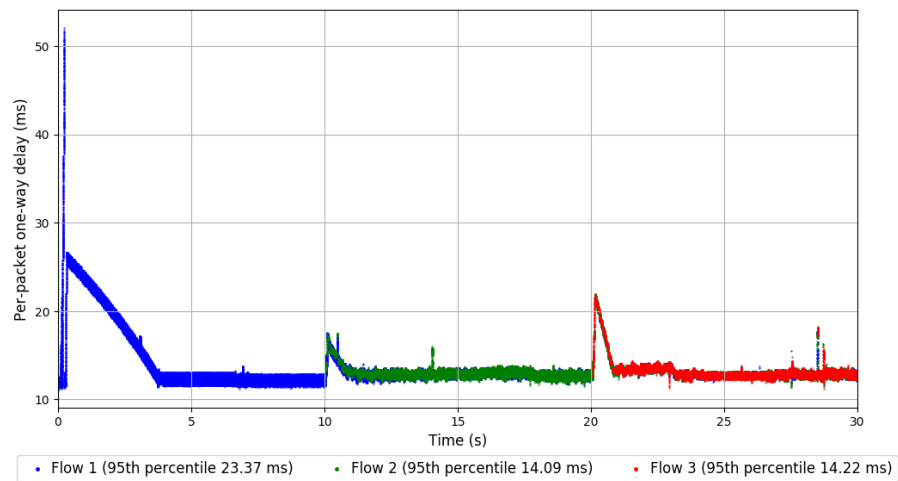
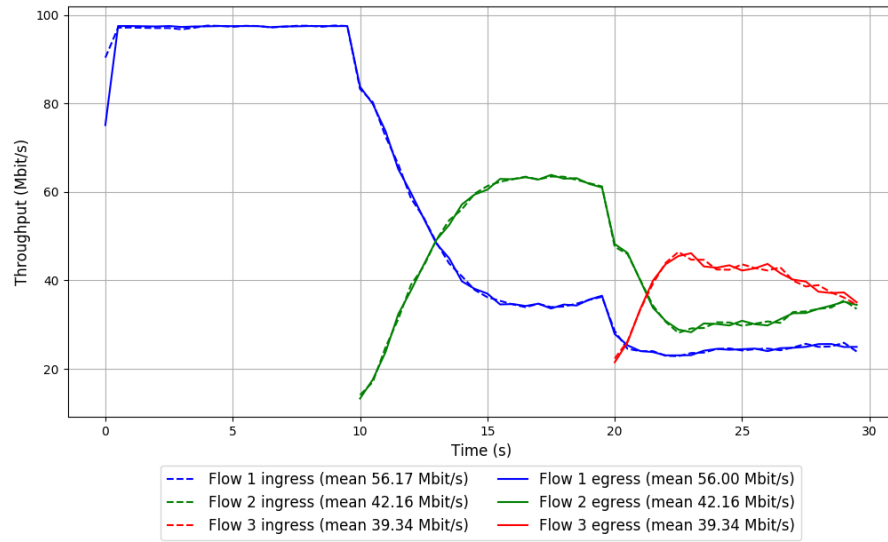
-- Flow 3:

Average throughput: 39.34 Mbit/s

95th percentile per-packet one-way delay: 14.219 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-04-03 21:44:38

End at: 2018-04-03 21:45:08

Local clock offset: 4.336 ms

Remote clock offset: 7.461 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 18.556 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 52.54 Mbit/s

95th percentile per-packet one-way delay: 19.540 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 43.07 Mbit/s

95th percentile per-packet one-way delay: 16.547 ms

Loss rate: 0.00%

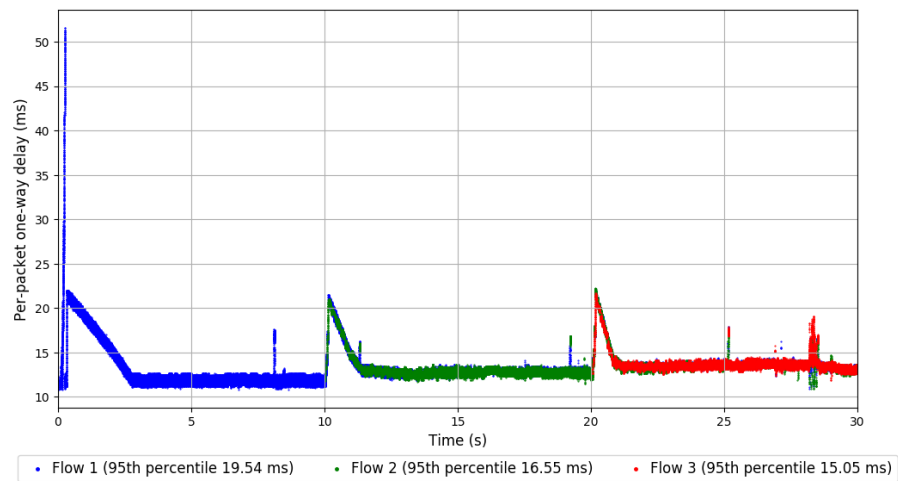
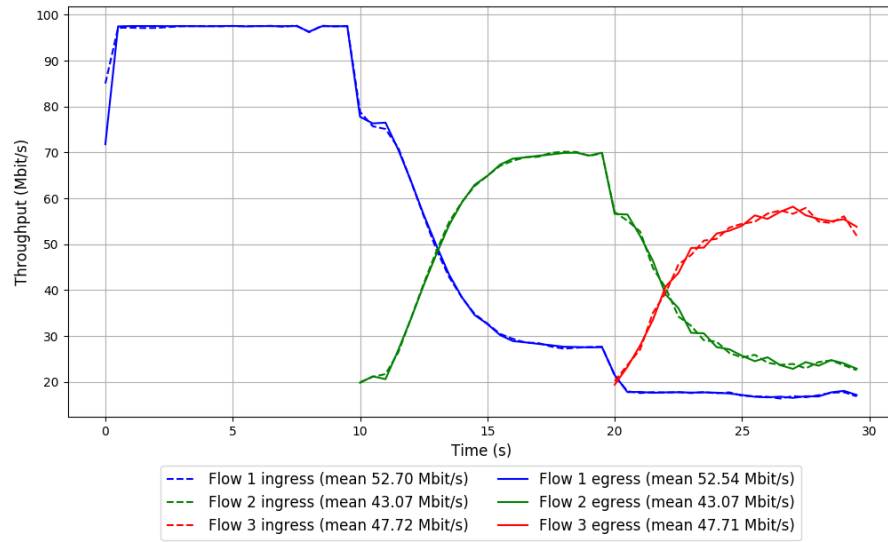
-- Flow 3:

Average throughput: 47.71 Mbit/s

95th percentile per-packet one-way delay: 15.049 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

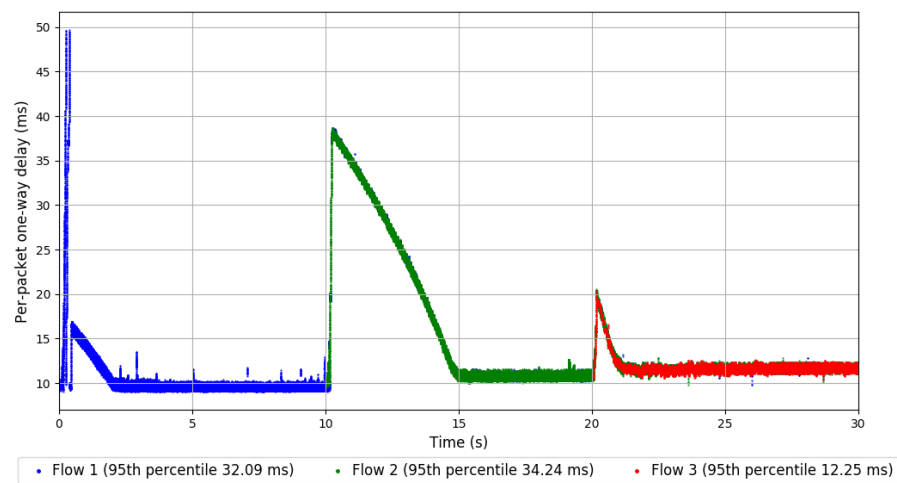
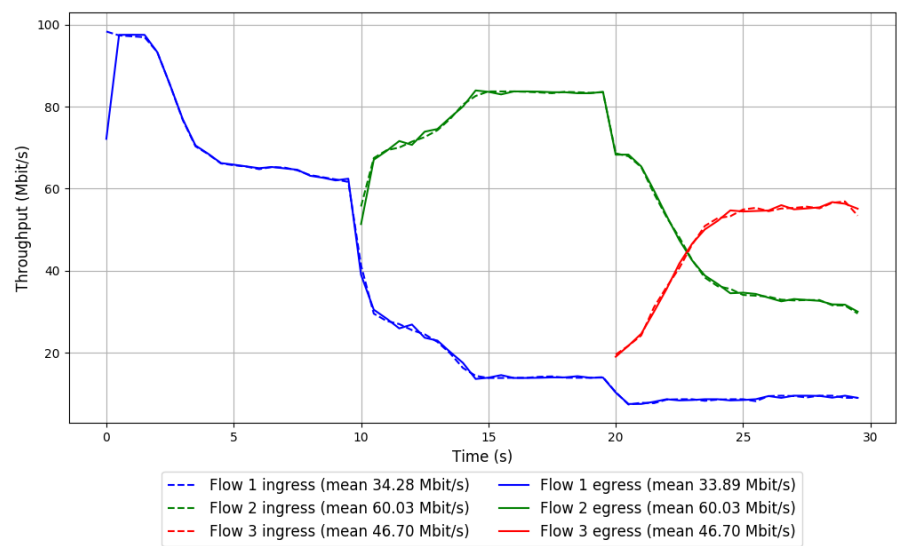


Run 4: Statistics of TCP Vegas

Start at: 2018-04-03 22:05:35
End at: 2018-04-03 22:06:05
Local clock offset: 4.814 ms
Remote clock offset: -3.945 ms

Below is generated by plot.py at 2018-04-04 01:04:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 32.469 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 32.092 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 60.03 Mbit/s
95th percentile per-packet one-way delay: 34.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 12.254 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

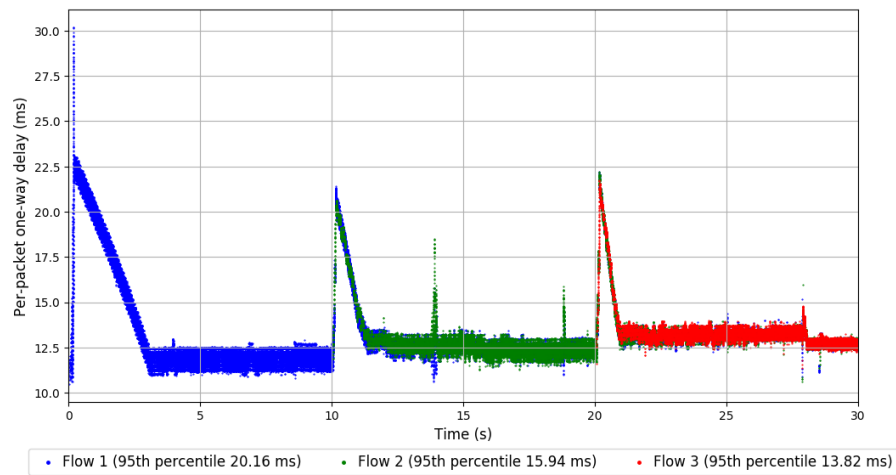
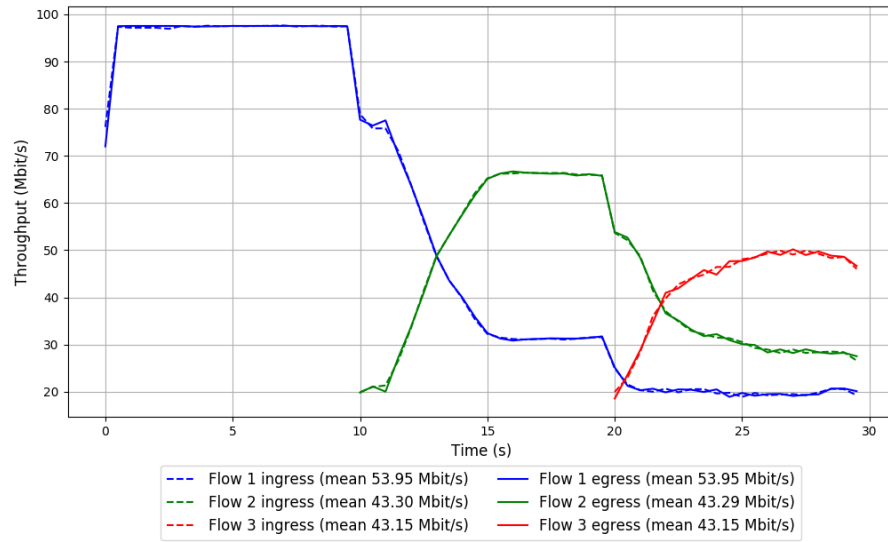


Run 5: Statistics of TCP Vegas

Start at: 2018-04-03 22:26:32
End at: 2018-04-03 22:27:02
Local clock offset: 2.529 ms
Remote clock offset: -6.469 ms

Below is generated by plot.py at 2018-04-04 01:04:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 20.163 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 15.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.15 Mbit/s
95th percentile per-packet one-way delay: 13.824 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

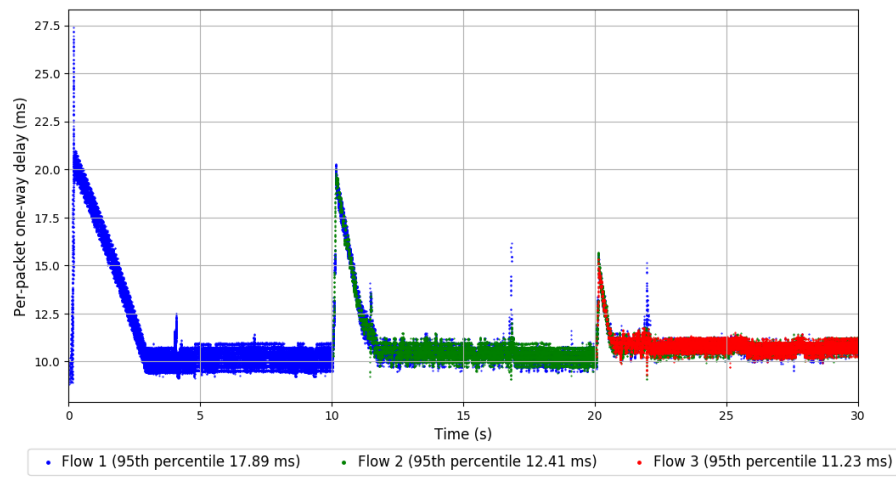
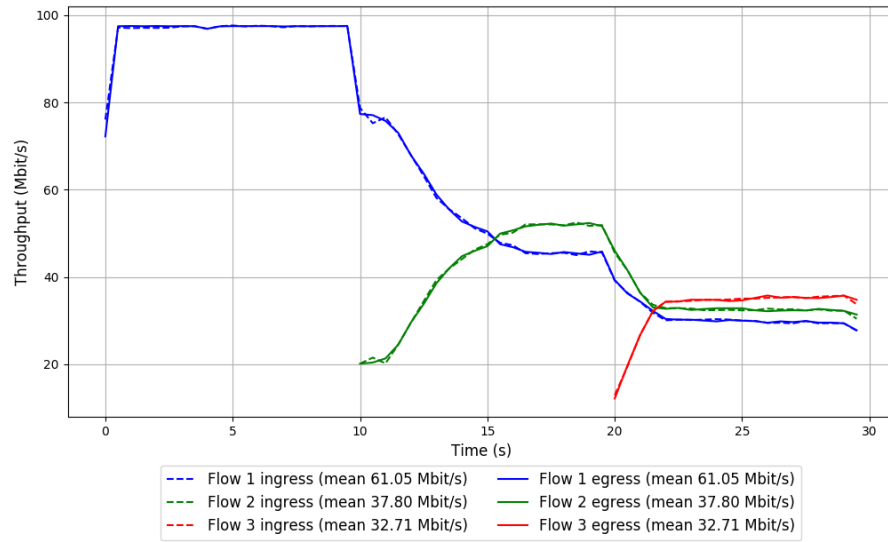


Run 6: Statistics of TCP Vegas

Start at: 2018-04-03 22:47:29
End at: 2018-04-03 22:47:59
Local clock offset: 3.238 ms
Remote clock offset: -8.541 ms

Below is generated by plot.py at 2018-04-04 01:04:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 16.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.05 Mbit/s
95th percentile per-packet one-way delay: 17.894 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 12.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 11.231 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-03 23:08:18

End at: 2018-04-03 23:08:48

Local clock offset: 0.388 ms

Remote clock offset: 0.409 ms

Below is generated by plot.py at 2018-04-04 01:04:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 19.549 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.19 Mbit/s

95th percentile per-packet one-way delay: 20.494 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.28 Mbit/s

95th percentile per-packet one-way delay: 16.693 ms

Loss rate: 0.00%

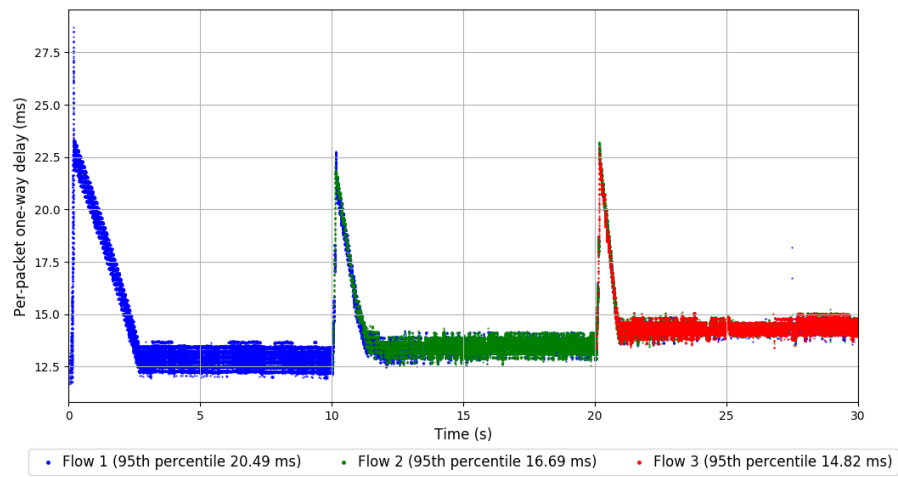
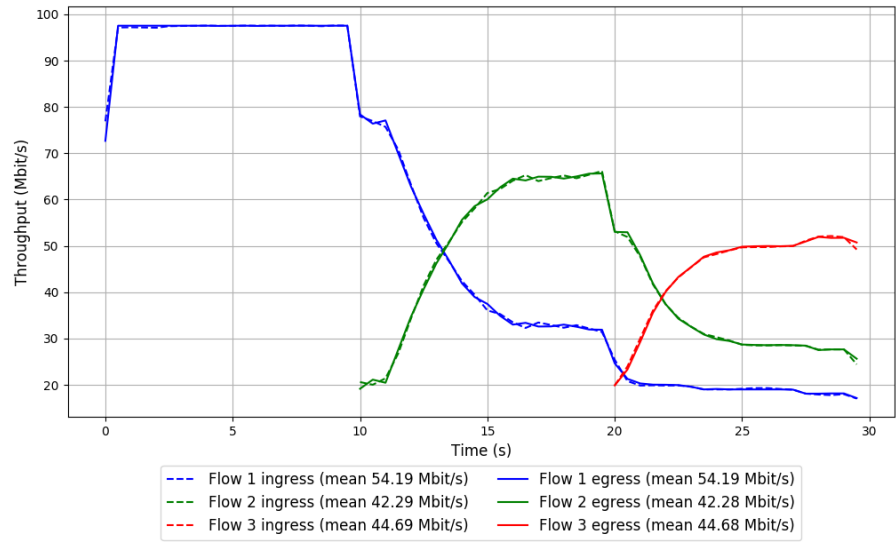
-- Flow 3:

Average throughput: 44.68 Mbit/s

95th percentile per-packet one-way delay: 14.820 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-03 23:29:15

End at: 2018-04-03 23:29:45

Local clock offset: 0.114 ms

Remote clock offset: 3.445 ms

Below is generated by plot.py at 2018-04-04 01:04:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 18.836 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.89 Mbit/s

95th percentile per-packet one-way delay: 19.937 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.96 Mbit/s

95th percentile per-packet one-way delay: 15.952 ms

Loss rate: 0.00%

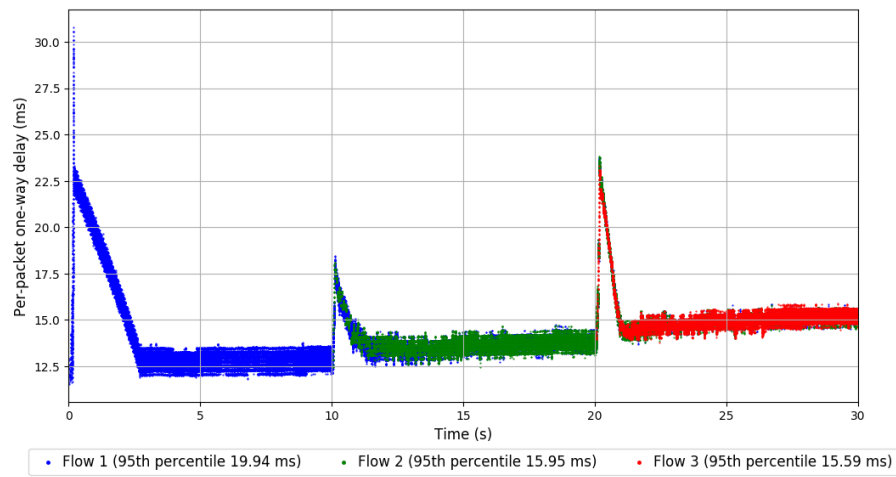
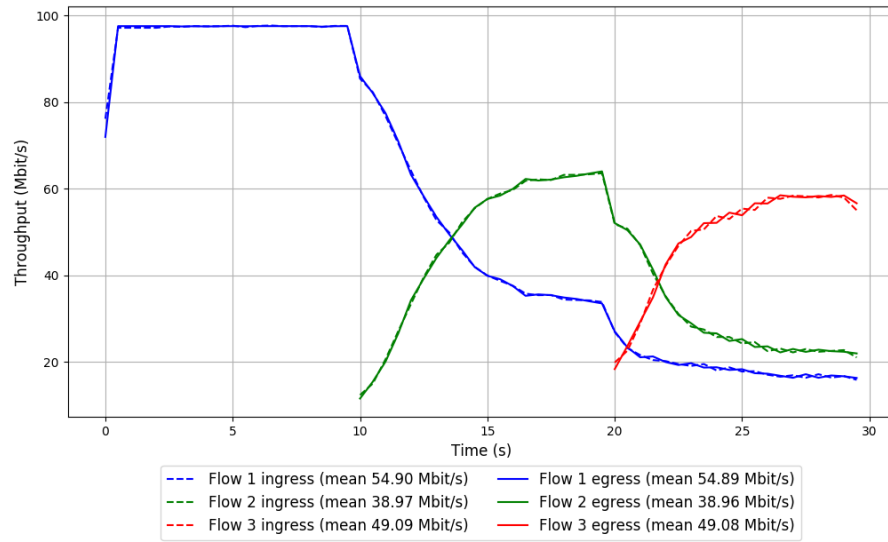
-- Flow 3:

Average throughput: 49.08 Mbit/s

95th percentile per-packet one-way delay: 15.586 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-03 23:50:13

End at: 2018-04-03 23:50:43

Local clock offset: 3.643 ms

Remote clock offset: -3.53 ms

Below is generated by plot.py at 2018-04-04 01:04:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 31.325 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 45.05 Mbit/s

95th percentile per-packet one-way delay: 29.667 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 34.093 ms

Loss rate: 0.00%

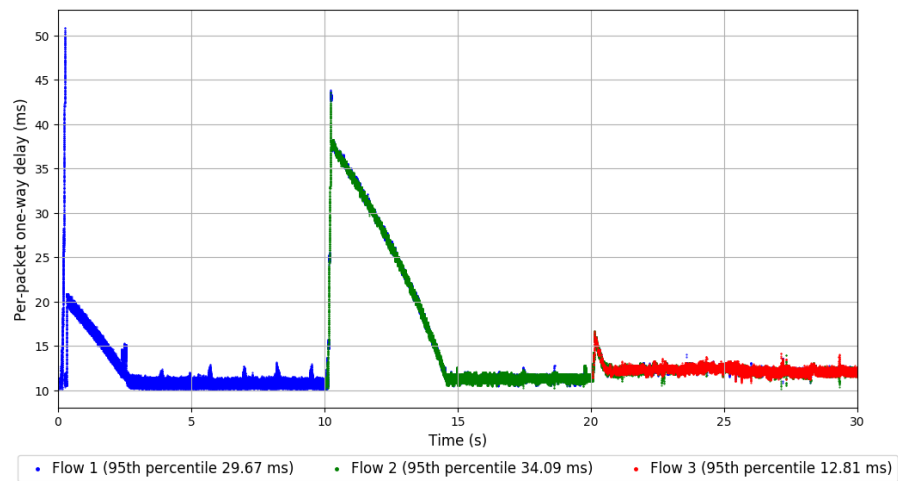
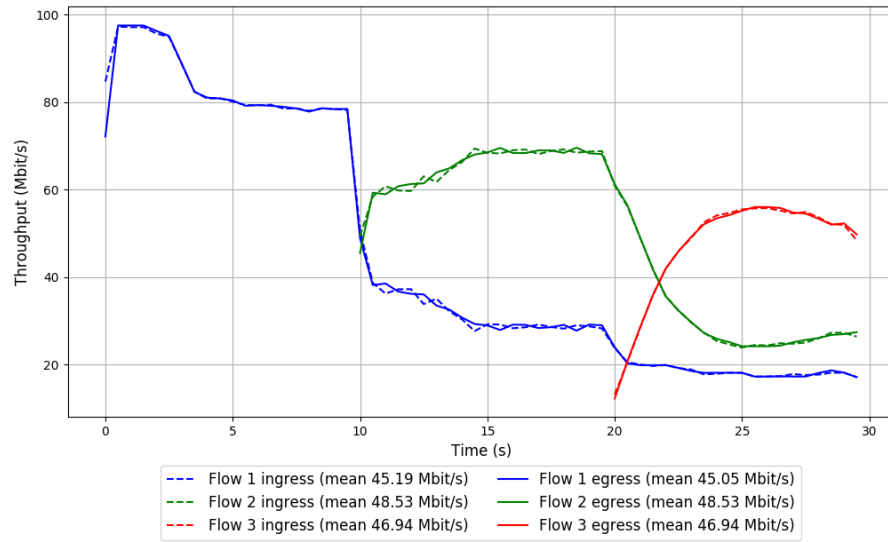
-- Flow 3:

Average throughput: 46.94 Mbit/s

95th percentile per-packet one-way delay: 12.813 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

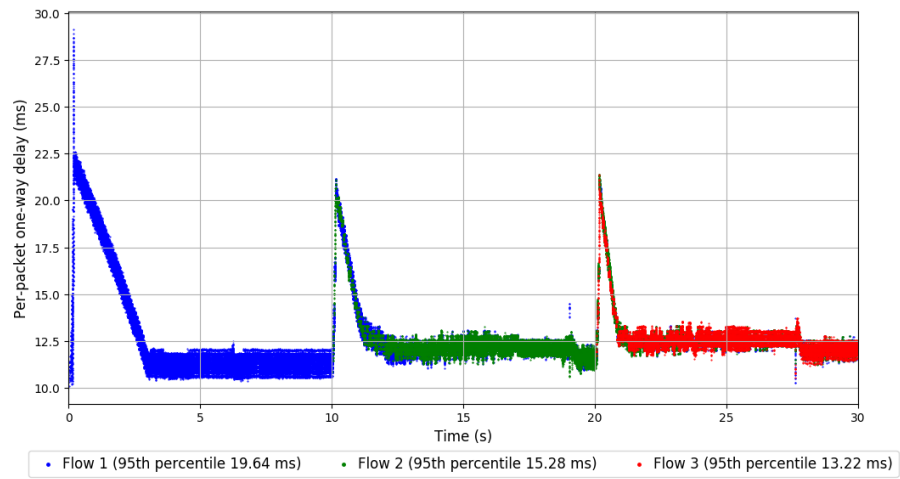
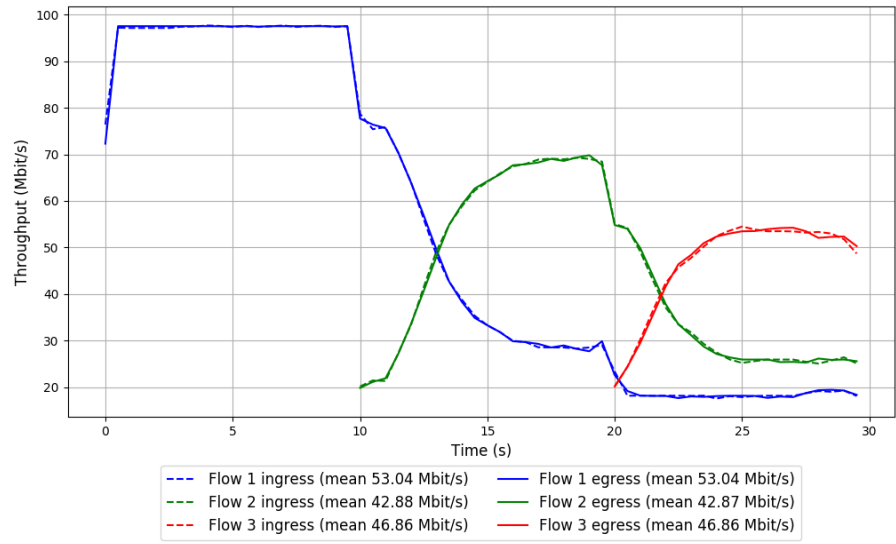


Run 10: Statistics of TCP Vegas

Start at: 2018-04-04 00:11:11
End at: 2018-04-04 00:11:41
Local clock offset: 3.428 ms
Remote clock offset: -2.328 ms

Below is generated by plot.py at 2018-04-04 01:05:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 18.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 19.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 15.280 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 13.223 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-04-03 20:55:26

End at: 2018-04-03 20:55:56

Local clock offset: 1.342 ms

Remote clock offset: 2.338 ms

Below is generated by plot.py at 2018-04-04 01:05:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.95 Mbit/s

95th percentile per-packet one-way delay: 46.965 ms

Loss rate: 38.82%

-- Flow 1:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 45.949 ms

Loss rate: 22.82%

-- Flow 2:

Average throughput: 24.55 Mbit/s

95th percentile per-packet one-way delay: 49.712 ms

Loss rate: 66.30%

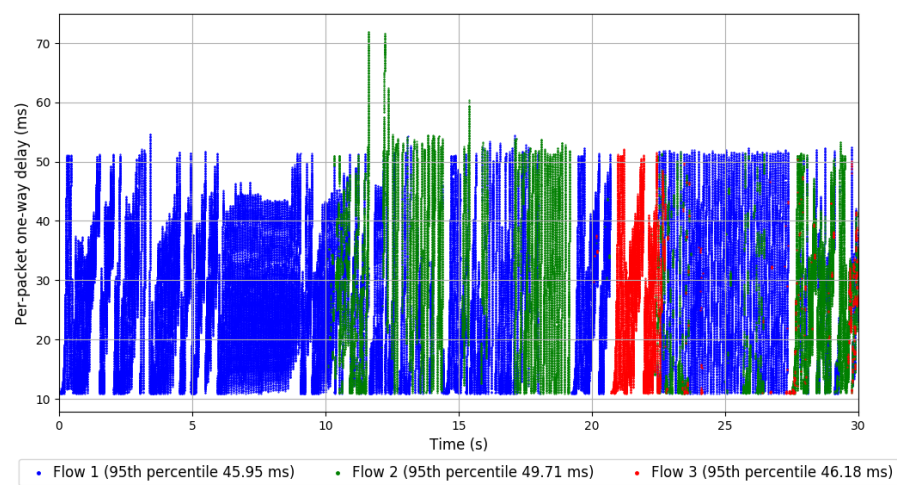
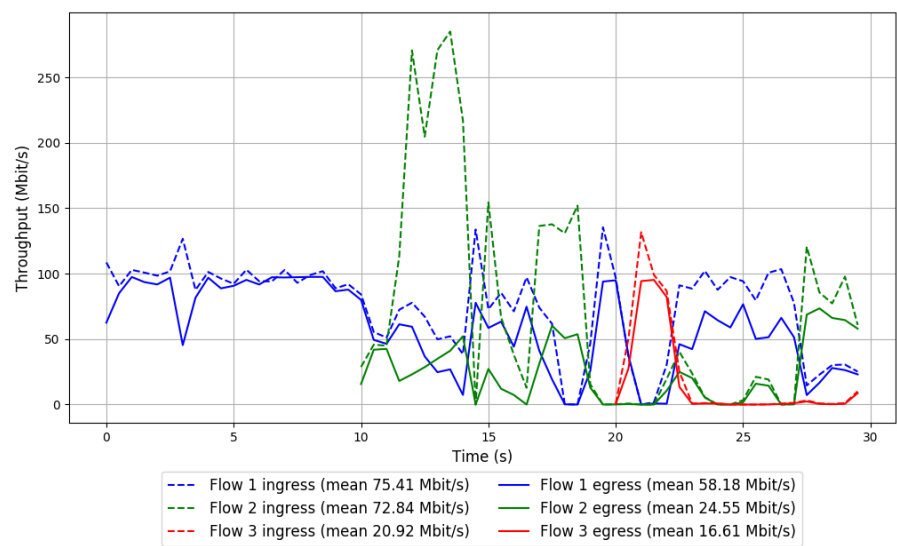
-- Flow 3:

Average throughput: 16.61 Mbit/s

95th percentile per-packet one-way delay: 46.182 ms

Loss rate: 20.60%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-03 21:16:29

End at: 2018-04-03 21:16:59

Local clock offset: 1.834 ms

Remote clock offset: 3.61 ms

Below is generated by plot.py at 2018-04-04 01:05:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.53 Mbit/s

95th percentile per-packet one-way delay: 46.338 ms

Loss rate: 26.67%

-- Flow 1:

Average throughput: 50.69 Mbit/s

95th percentile per-packet one-way delay: 45.577 ms

Loss rate: 20.48%

-- Flow 2:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 47.586 ms

Loss rate: 38.94%

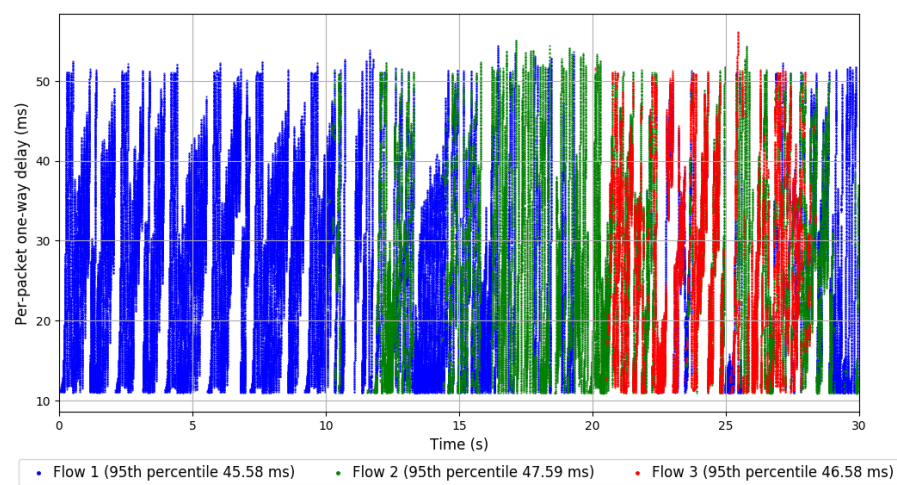
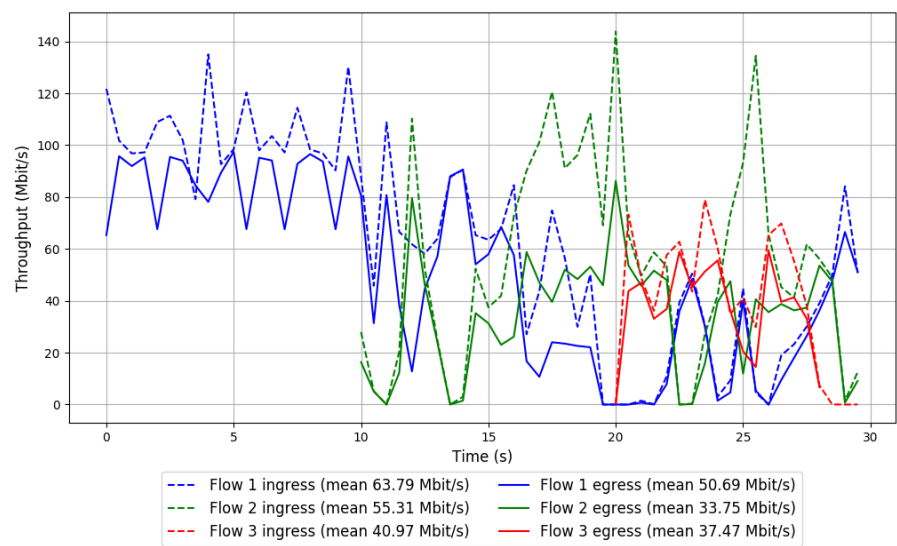
-- Flow 3:

Average throughput: 37.47 Mbit/s

95th percentile per-packet one-way delay: 46.579 ms

Loss rate: 22.48%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-03 21:37:27

End at: 2018-04-03 21:37:57

Local clock offset: 4.314 ms

Remote clock offset: 5.025 ms

Below is generated by plot.py at 2018-04-04 01:05:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.16 Mbit/s

95th percentile per-packet one-way delay: 44.468 ms

Loss rate: 33.80%

-- Flow 1:

Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 43.960 ms

Loss rate: 25.66%

-- Flow 2:

Average throughput: 28.64 Mbit/s

95th percentile per-packet one-way delay: 45.647 ms

Loss rate: 49.86%

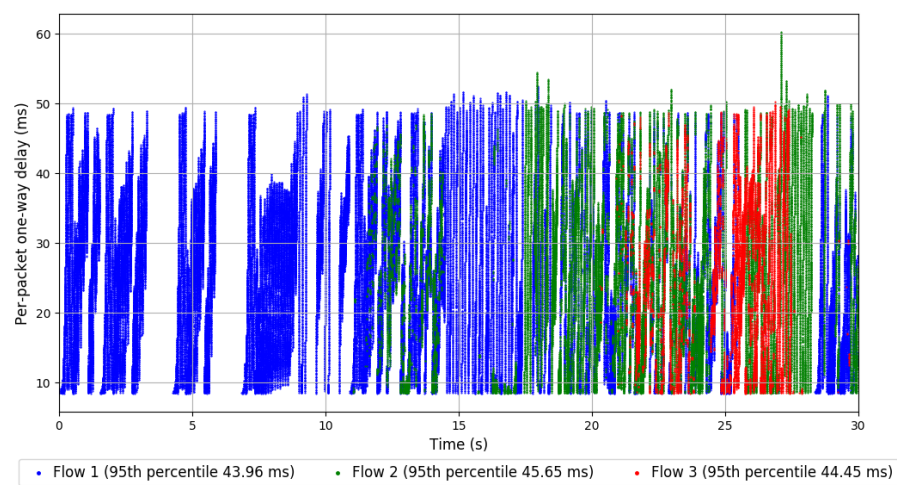
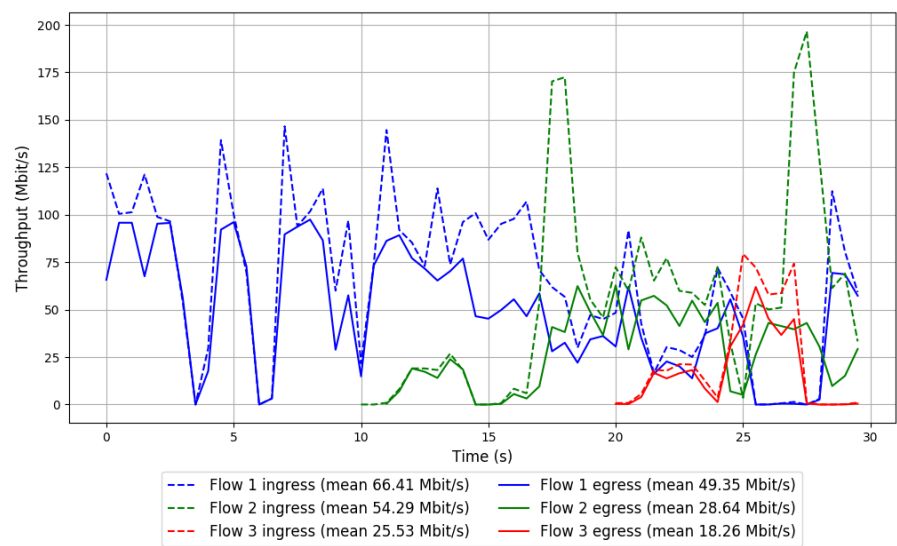
-- Flow 3:

Average throughput: 18.26 Mbit/s

95th percentile per-packet one-way delay: 44.449 ms

Loss rate: 28.76%

Run 3: Report of Verus — Data Link

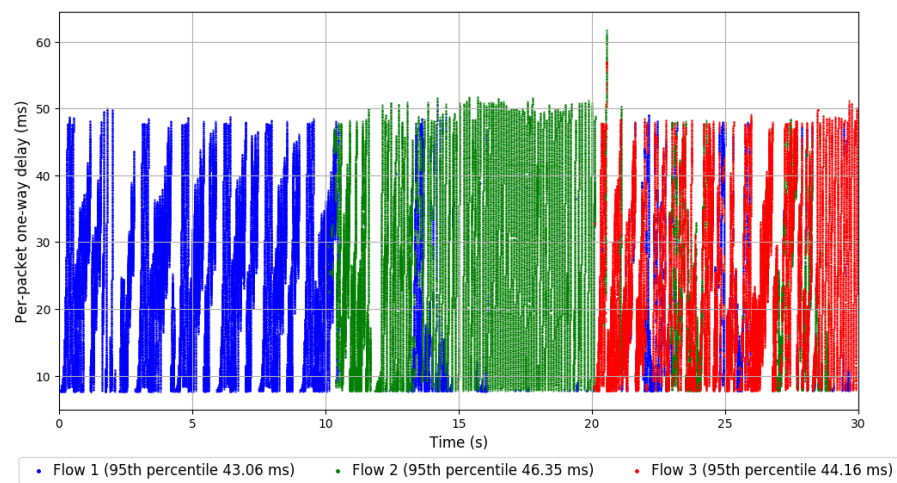
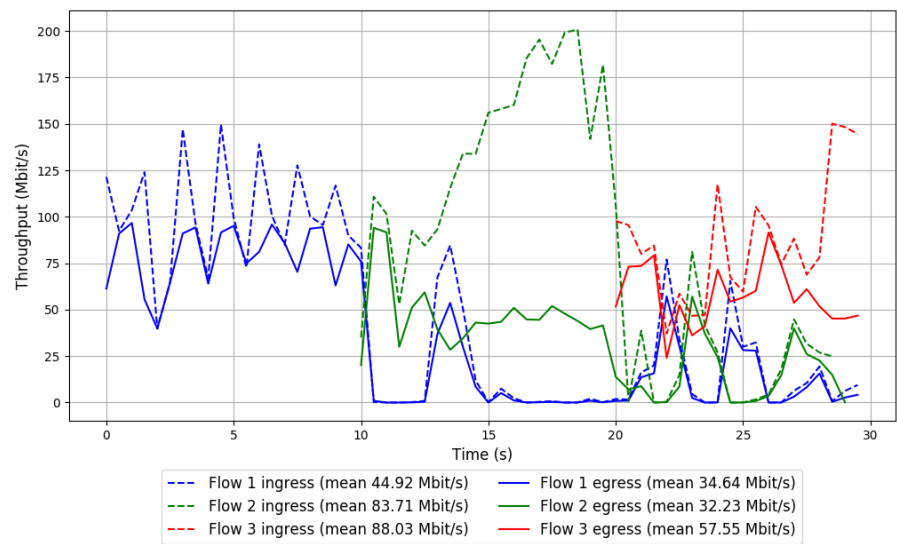


Run 4: Statistics of Verus

Start at: 2018-04-03 21:58:27
End at: 2018-04-03 21:58:57
Local clock offset: 5.206 ms
Remote clock offset: -3.077 ms

Below is generated by plot.py at 2018-04-04 01:05:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 44.453 ms
Loss rate: 41.87%
-- Flow 1:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 43.063 ms
Loss rate: 23.36%
-- Flow 2:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 46.350 ms
Loss rate: 61.53%
-- Flow 3:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 44.155 ms
Loss rate: 34.50%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-03 22:19:25

End at: 2018-04-03 22:19:55

Local clock offset: 2.551 ms

Remote clock offset: -5.22 ms

Below is generated by plot.py at 2018-04-04 01:06:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.82 Mbit/s

95th percentile per-packet one-way delay: 49.509 ms

Loss rate: 54.26%

-- Flow 1:

Average throughput: 51.75 Mbit/s

95th percentile per-packet one-way delay: 47.701 ms

Loss rate: 33.22%

-- Flow 2:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 53.036 ms

Loss rate: 79.01%

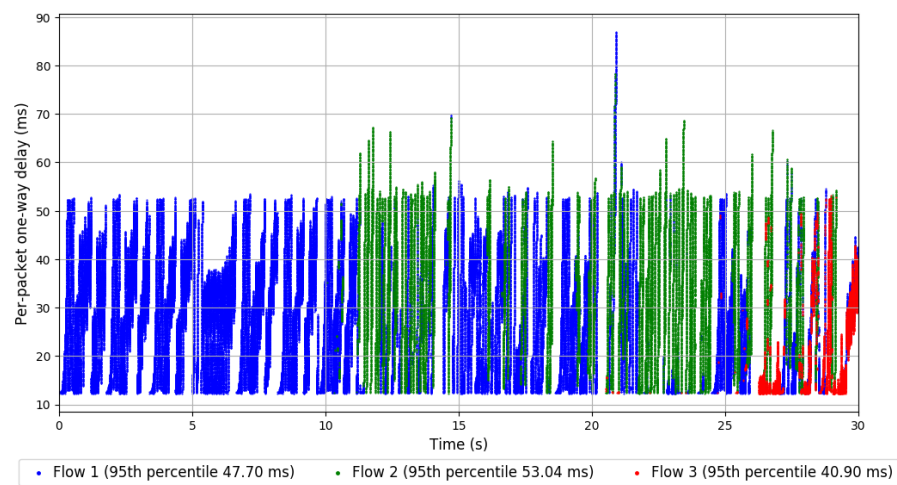
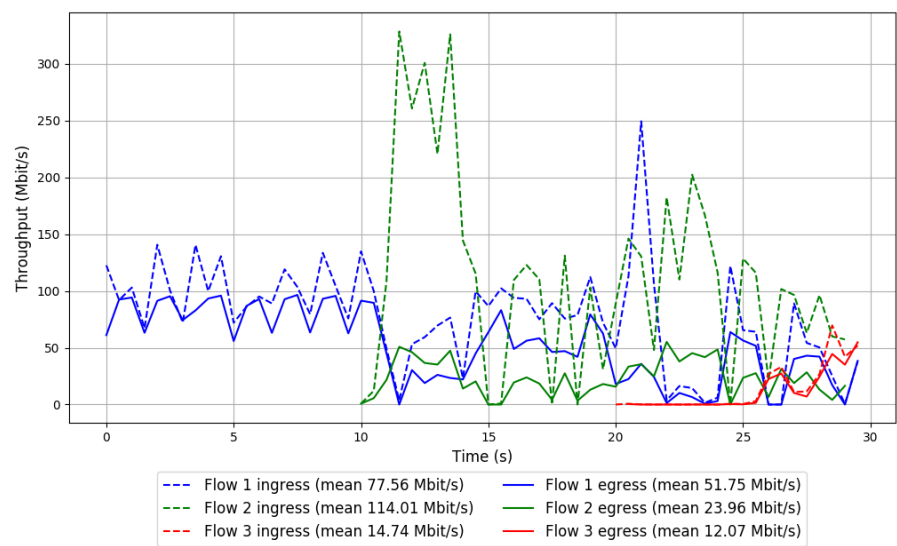
-- Flow 3:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 40.901 ms

Loss rate: 17.92%

Run 5: Report of Verus — Data Link

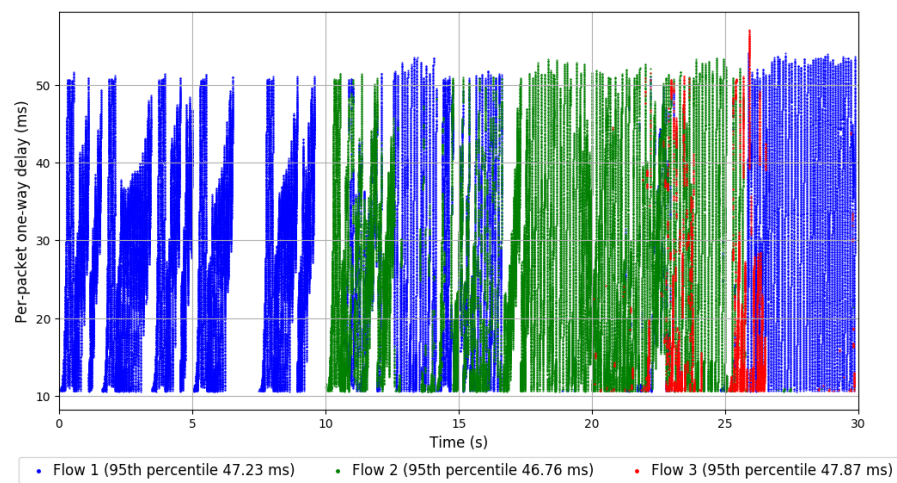
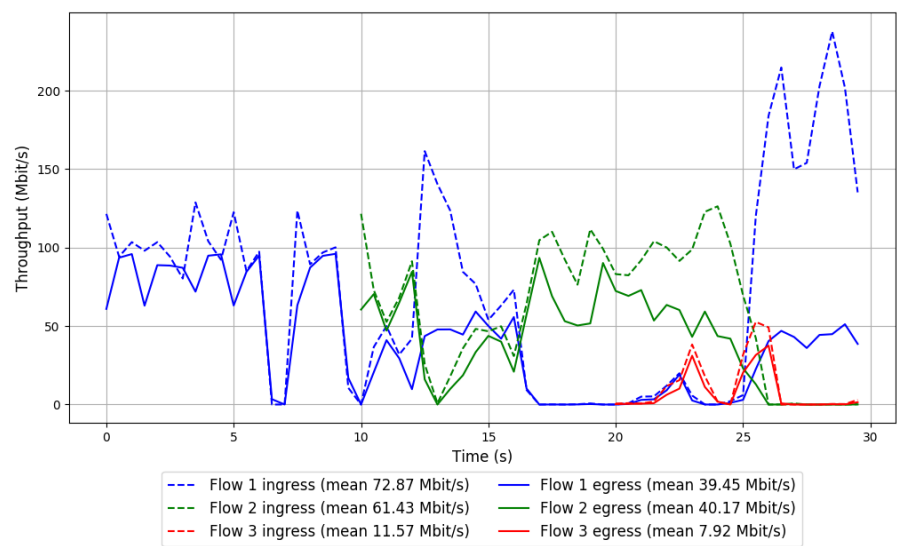


Run 6: Statistics of Verus

Start at: 2018-04-03 22:40:23
End at: 2018-04-03 22:40:53
Local clock offset: 2.262 ms
Remote clock offset: -7.075 ms

Below is generated by plot.py at 2018-04-04 01:06:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.68 Mbit/s
95th percentile per-packet one-way delay: 47.046 ms
Loss rate: 41.52%
-- Flow 1:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 47.225 ms
Loss rate: 45.84%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 46.758 ms
Loss rate: 34.70%
-- Flow 3:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 47.870 ms
Loss rate: 31.84%

Run 6: Report of Verus — Data Link

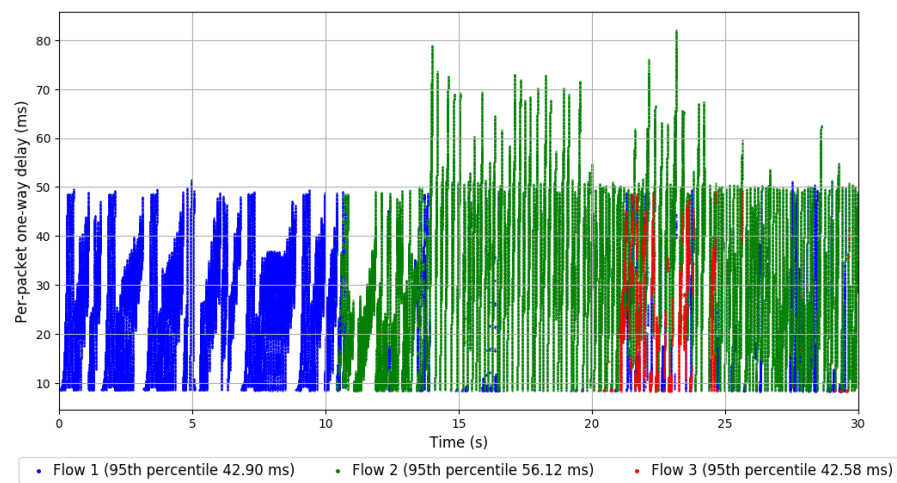
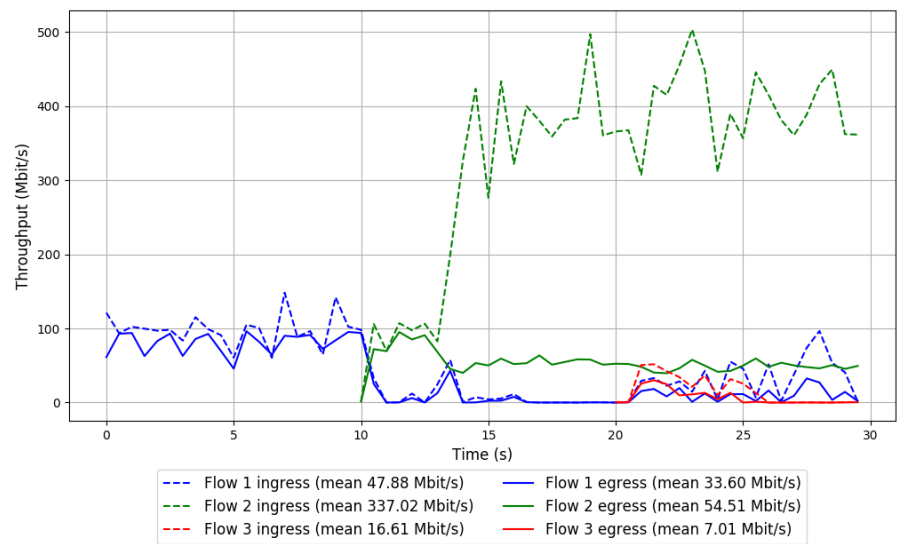


Run 7: Statistics of Verus

Start at: 2018-04-03 23:01:06
End at: 2018-04-03 23:01:36
Local clock offset: 3.129 ms
Remote clock offset: -4.077 ms

Below is generated by plot.py at 2018-04-04 01:06:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.53 Mbit/s
95th percentile per-packet one-way delay: 49.310 ms
Loss rate: 73.94%
-- Flow 1:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 42.897 ms
Loss rate: 29.93%
-- Flow 2:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 56.116 ms
Loss rate: 83.84%
-- Flow 3:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 42.576 ms
Loss rate: 57.90%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-03 23:22:08

End at: 2018-04-03 23:22:38

Local clock offset: 3.065 ms

Remote clock offset: 3.523 ms

Below is generated by plot.py at 2018-04-04 01:06:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.18 Mbit/s

95th percentile per-packet one-way delay: 46.434 ms

Loss rate: 48.69%

-- Flow 1:

Average throughput: 40.59 Mbit/s

95th percentile per-packet one-way delay: 46.557 ms

Loss rate: 51.95%

-- Flow 2:

Average throughput: 43.00 Mbit/s

95th percentile per-packet one-way delay: 46.502 ms

Loss rate: 44.74%

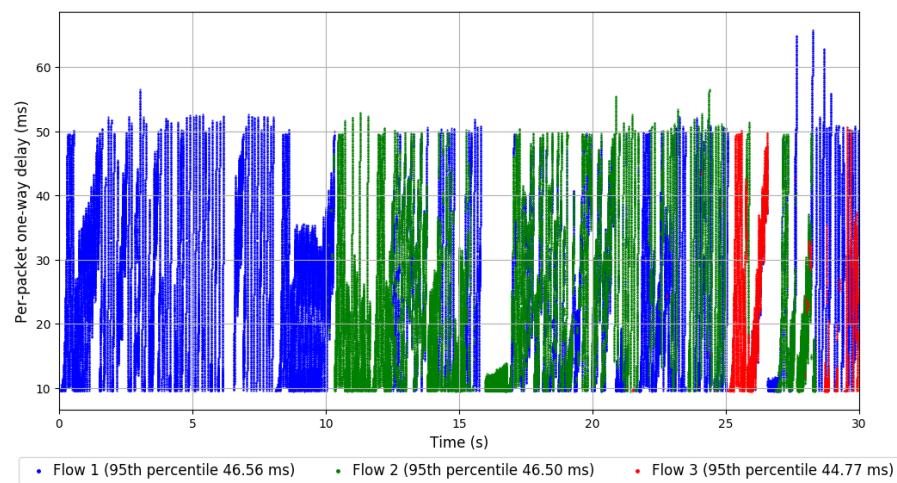
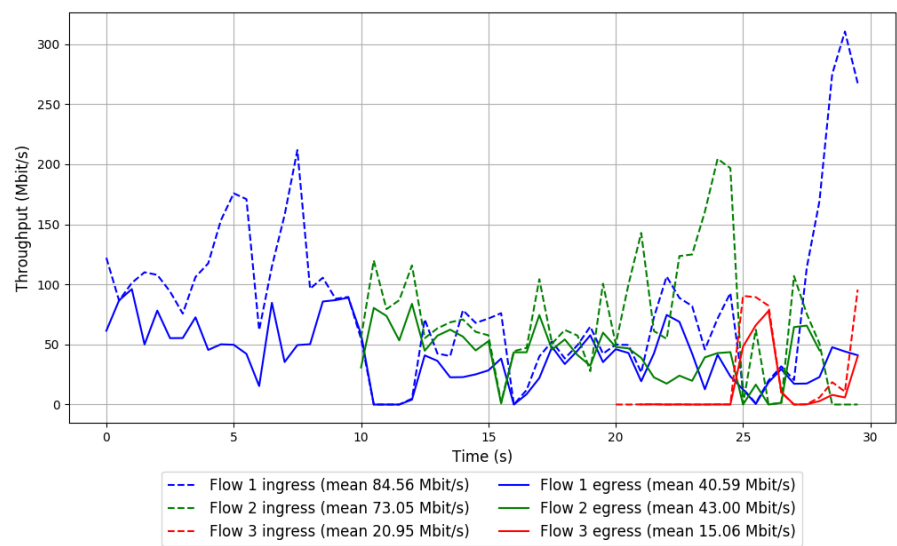
-- Flow 3:

Average throughput: 15.06 Mbit/s

95th percentile per-packet one-way delay: 44.773 ms

Loss rate: 35.62%

Run 8: Report of Verus — Data Link

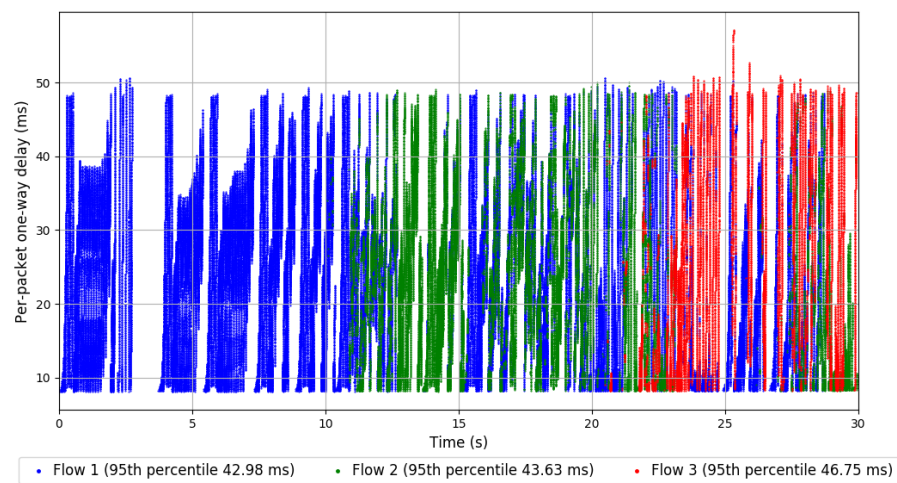
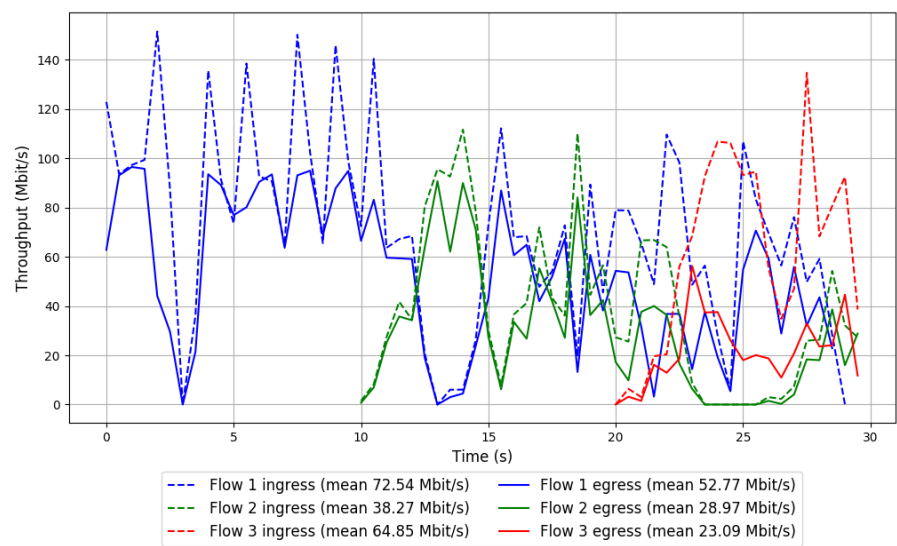


Run 9: Statistics of Verus

Start at: 2018-04-03 23:43:06
End at: 2018-04-03 23:43:36
Local clock offset: 4.951 ms
Remote clock offset: -2.901 ms

Below is generated by plot.py at 2018-04-04 01:06:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 43.726 ms
Loss rate: 33.46%
-- Flow 1:
Average throughput: 52.77 Mbit/s
95th percentile per-packet one-way delay: 42.985 ms
Loss rate: 27.79%
-- Flow 2:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 43.627 ms
Loss rate: 24.40%
-- Flow 3:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 46.752 ms
Loss rate: 64.30%

Run 9: Report of Verus — Data Link

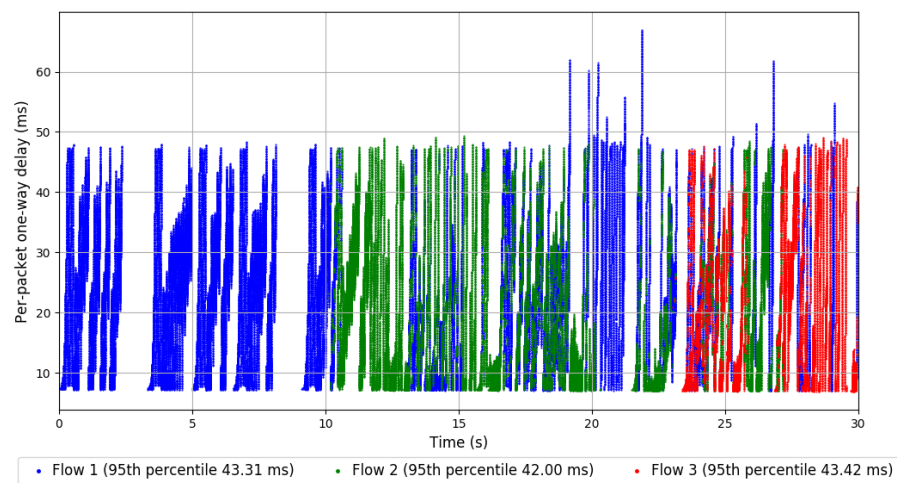
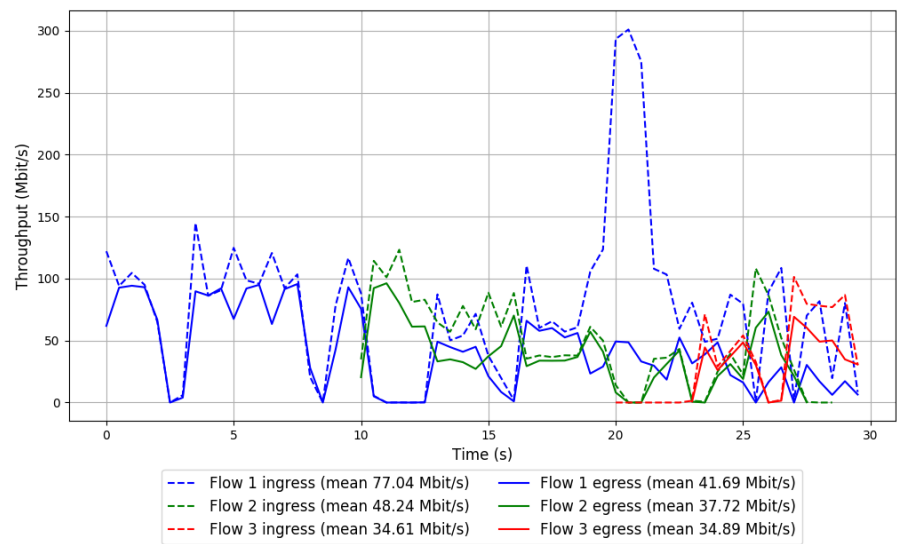


Run 10: Statistics of Verus

Start at: 2018-04-04 00:04:04
End at: 2018-04-04 00:04:34
Local clock offset: 5.614 ms
Remote clock offset: -5.115 ms

Below is generated by plot.py at 2018-04-04 01:06:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.86 Mbit/s
95th percentile per-packet one-way delay: 42.954 ms
Loss rate: 39.51%
-- Flow 1:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 43.315 ms
Loss rate: 45.82%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 41.998 ms
Loss rate: 27.30%
-- Flow 3:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 43.418 ms
Loss rate: 29.54%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-03 21:00:10

End at: 2018-04-03 21:00:40

Local clock offset: 1.499 ms

Remote clock offset: 2.271 ms

Below is generated by plot.py at 2018-04-04 01:07:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 17.872 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.40 Mbit/s

95th percentile per-packet one-way delay: 17.440 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.96 Mbit/s

95th percentile per-packet one-way delay: 17.854 ms

Loss rate: 0.00%

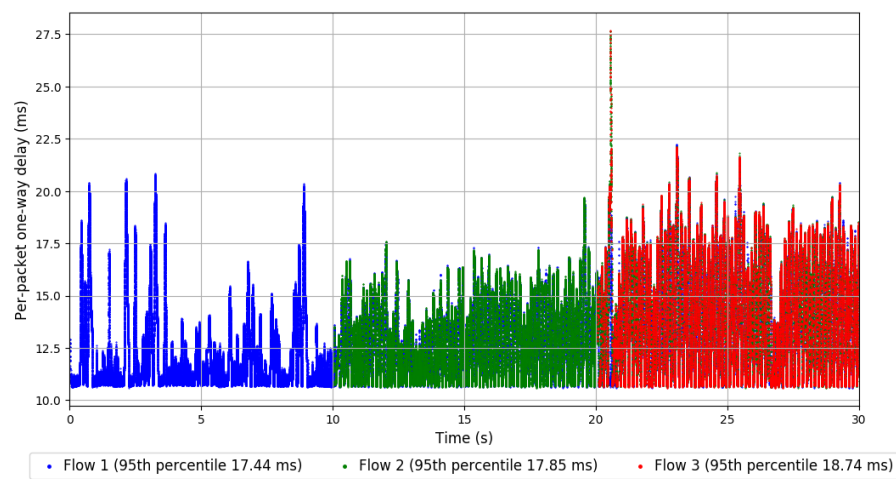
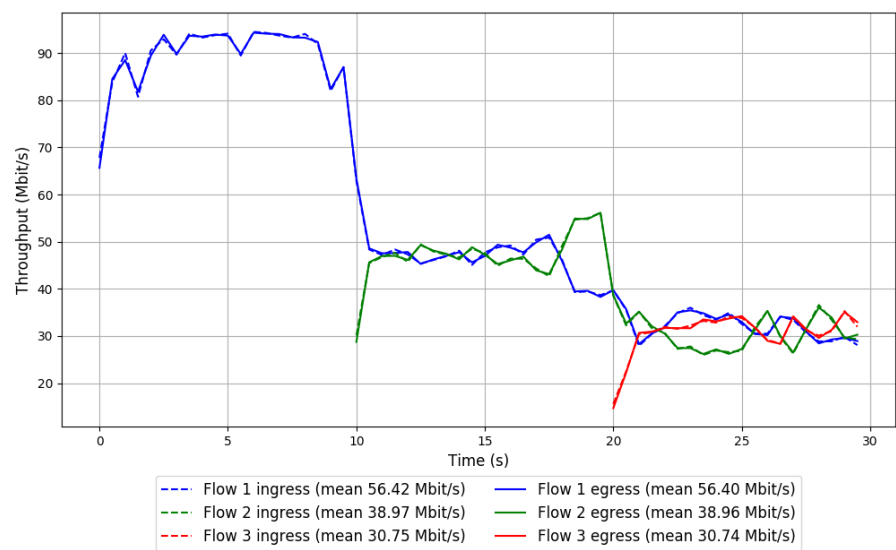
-- Flow 3:

Average throughput: 30.74 Mbit/s

95th percentile per-packet one-way delay: 18.738 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-03 21:21:14

End at: 2018-04-03 21:21:44

Local clock offset: 2.732 ms

Remote clock offset: 5.038 ms

Below is generated by plot.py at 2018-04-04 01:07:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 18.611 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.11 Mbit/s

95th percentile per-packet one-way delay: 17.933 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.64 Mbit/s

95th percentile per-packet one-way delay: 19.071 ms

Loss rate: 0.00%

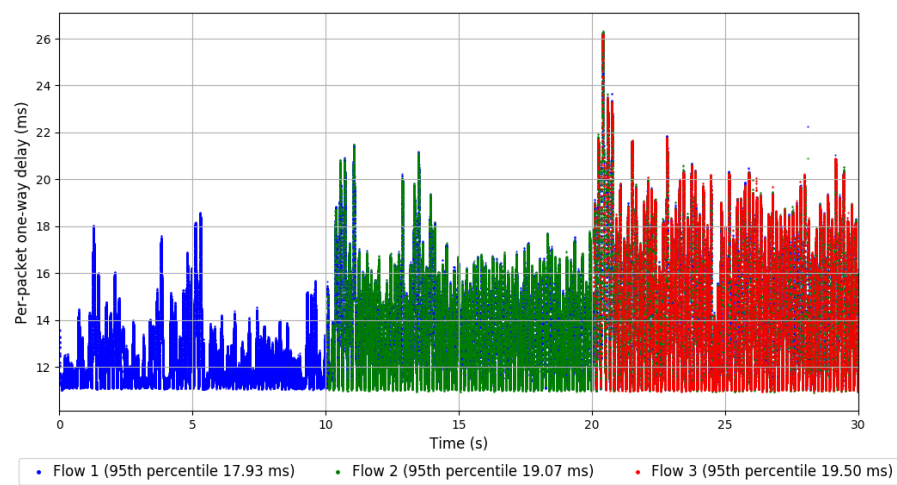
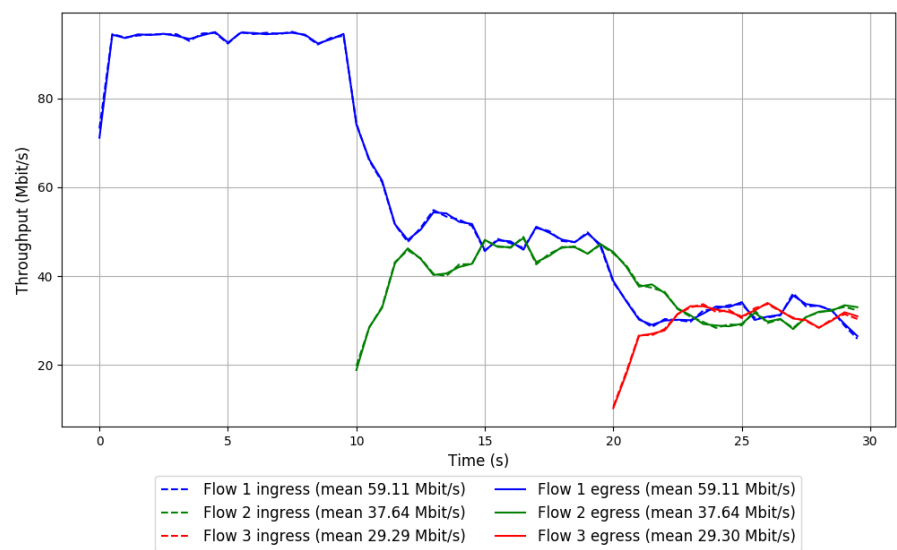
-- Flow 3:

Average throughput: 29.30 Mbit/s

95th percentile per-packet one-way delay: 19.504 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-03 21:42:12

End at: 2018-04-03 21:42:42

Local clock offset: 5.345 ms

Remote clock offset: 7.17 ms

Below is generated by plot.py at 2018-04-04 01:08:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 17.439 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.74 Mbit/s

95th percentile per-packet one-way delay: 17.113 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.13 Mbit/s

95th percentile per-packet one-way delay: 17.517 ms

Loss rate: 0.00%

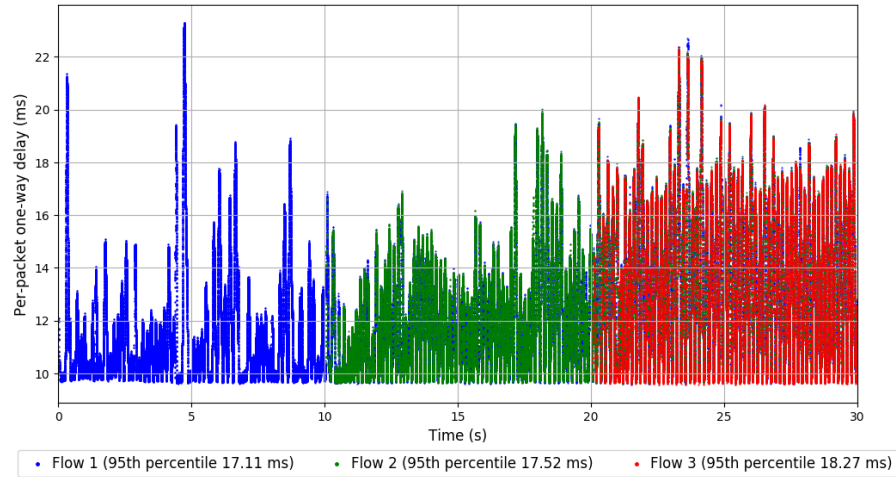
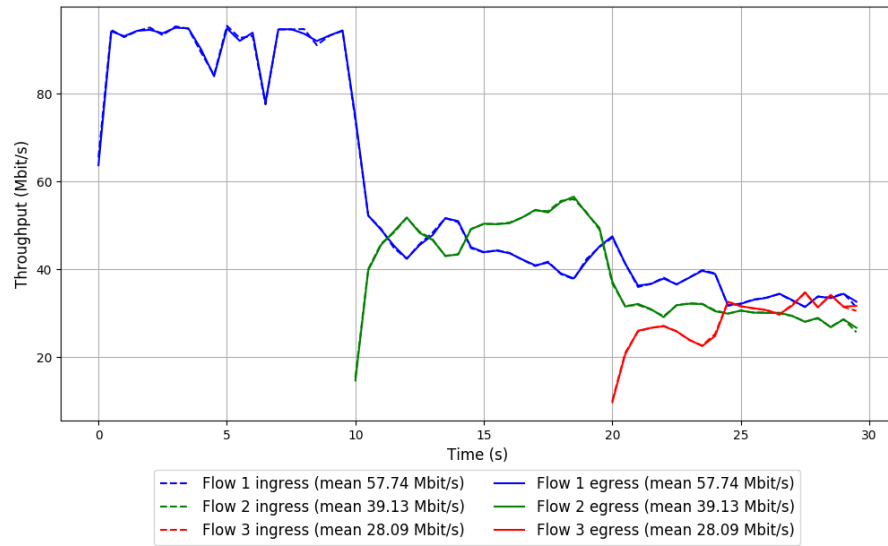
-- Flow 3:

Average throughput: 28.09 Mbit/s

95th percentile per-packet one-way delay: 18.270 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

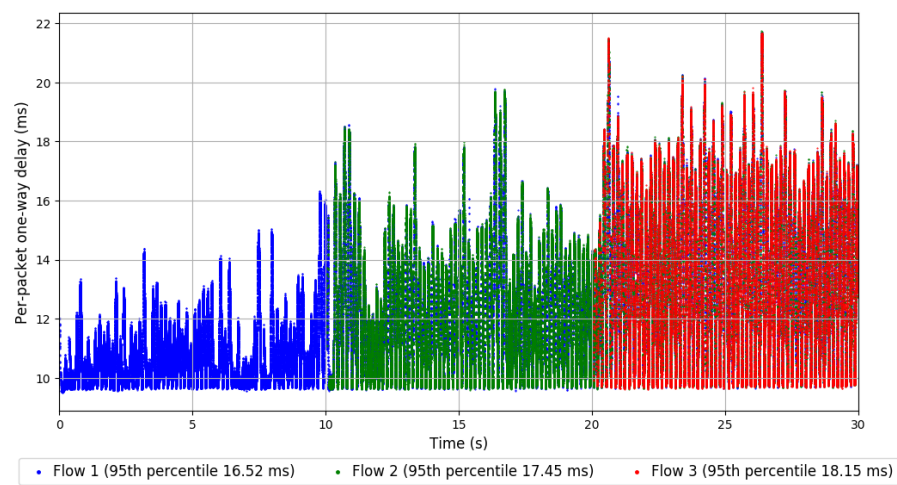
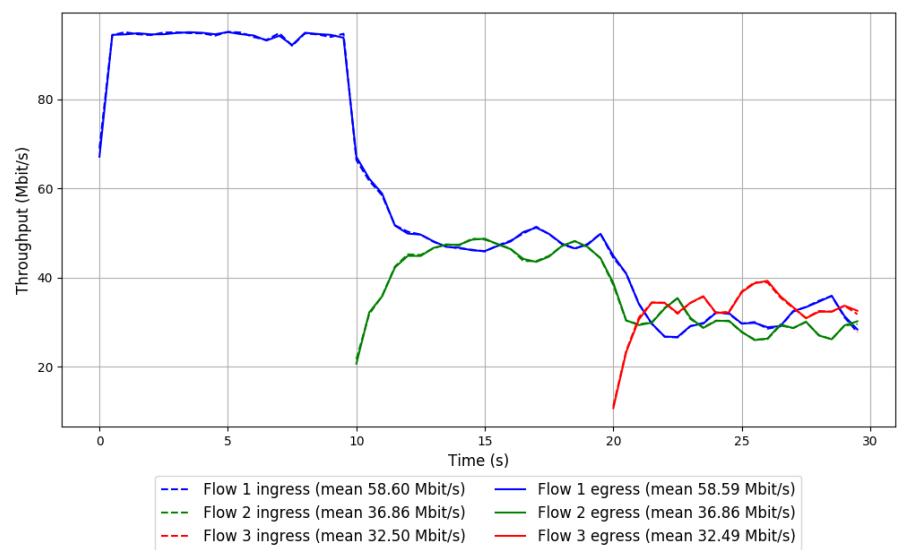


Run 4: Statistics of Copa

Start at: 2018-04-03 22:03:10
End at: 2018-04-03 22:03:40
Local clock offset: 3.697 ms
Remote clock offset: -3.886 ms

Below is generated by plot.py at 2018-04-04 01:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 17.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 16.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 17.449 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 18.147 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

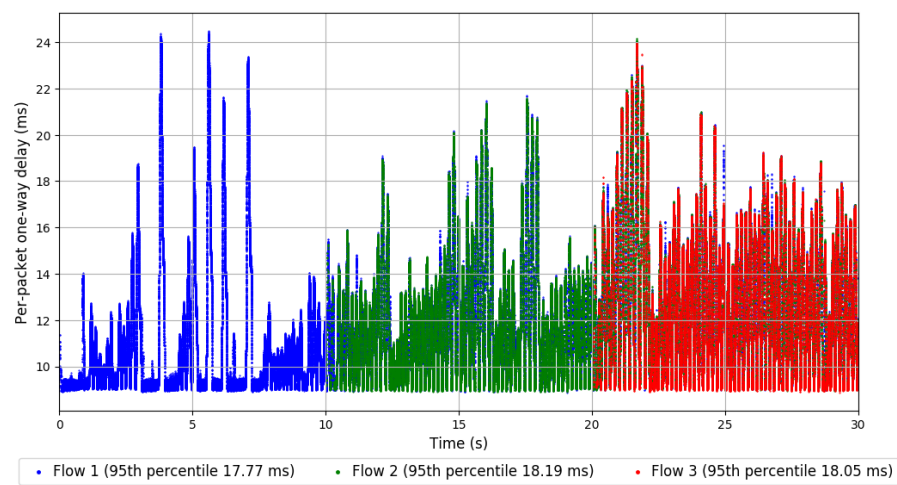
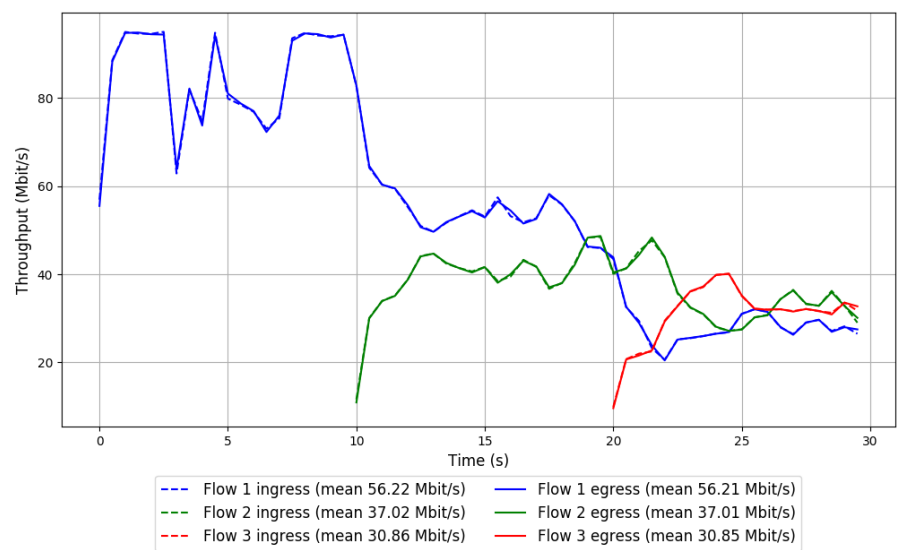


Run 5: Statistics of Copa

Start at: 2018-04-03 22:24:08
End at: 2018-04-03 22:24:38
Local clock offset: 4.195 ms
Remote clock offset: -6.571 ms

Below is generated by plot.py at 2018-04-04 01:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 17.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 17.768 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 18.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 18.045 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

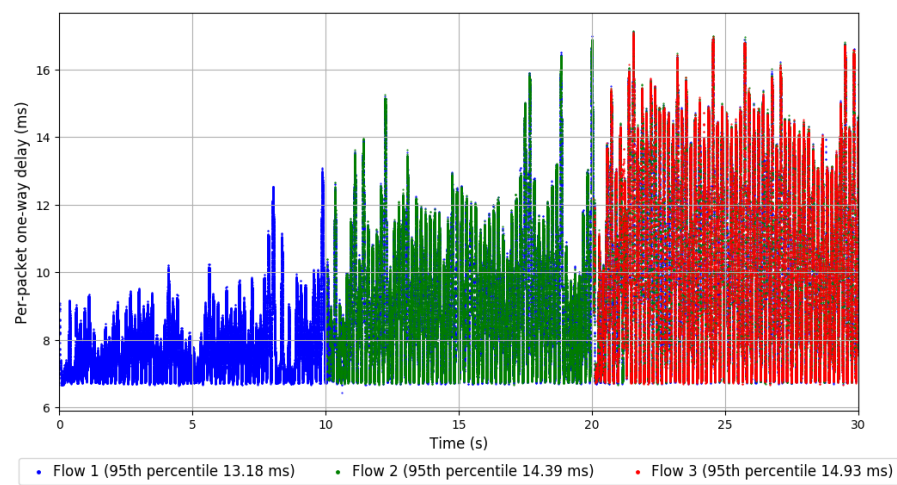
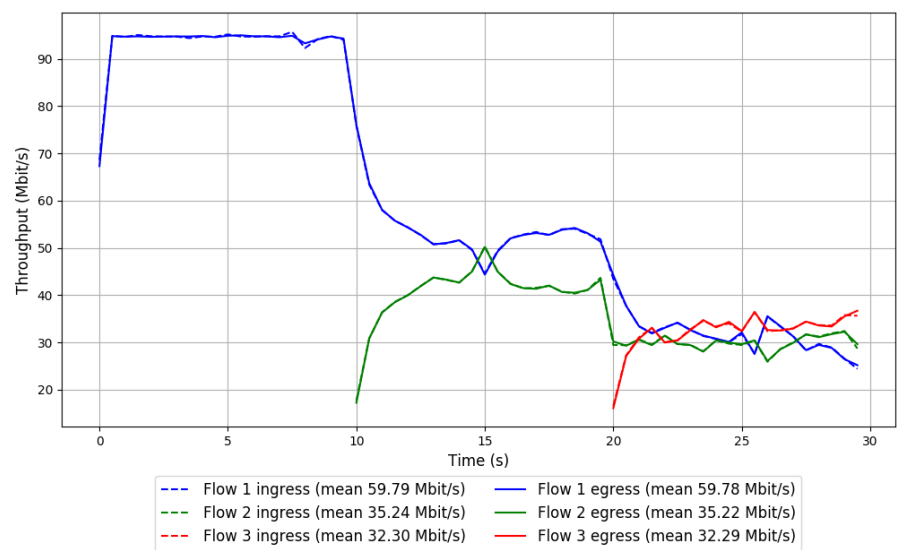


Run 6: Statistics of Copa

Start at: 2018-04-03 22:45:05
End at: 2018-04-03 22:45:35
Local clock offset: 1.615 ms
Remote clock offset: -12.188 ms

Below is generated by plot.py at 2018-04-04 01:08:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 14.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 13.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 14.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 14.926 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

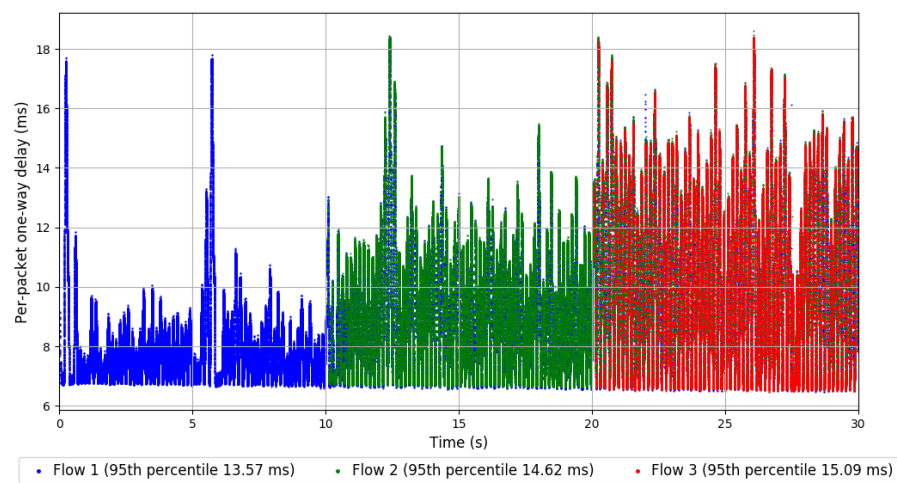
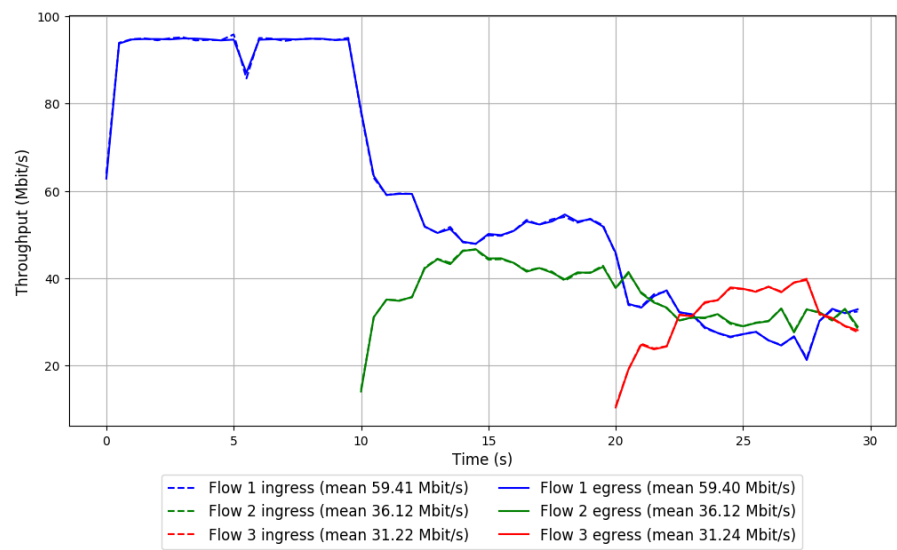


Run 7: Statistics of Copa

Start at: 2018-04-03 23:05:54
End at: 2018-04-03 23:06:24
Local clock offset: 4.134 ms
Remote clock offset: -1.908 ms

Below is generated by plot.py at 2018-04-04 01:08:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 14.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.40 Mbit/s
95th percentile per-packet one-way delay: 13.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 14.615 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 15.090 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-03 23:26:51

End at: 2018-04-03 23:27:21

Local clock offset: 2.651 ms

Remote clock offset: 3.249 ms

Below is generated by plot.py at 2018-04-04 01:09:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.51 Mbit/s

95th percentile per-packet one-way delay: 16.929 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.42 Mbit/s

95th percentile per-packet one-way delay: 16.481 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.63 Mbit/s

95th percentile per-packet one-way delay: 17.336 ms

Loss rate: 0.00%

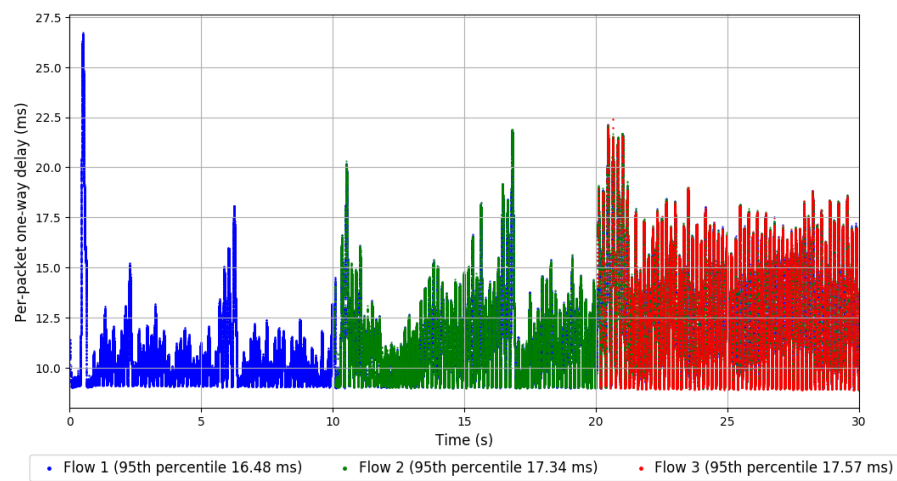
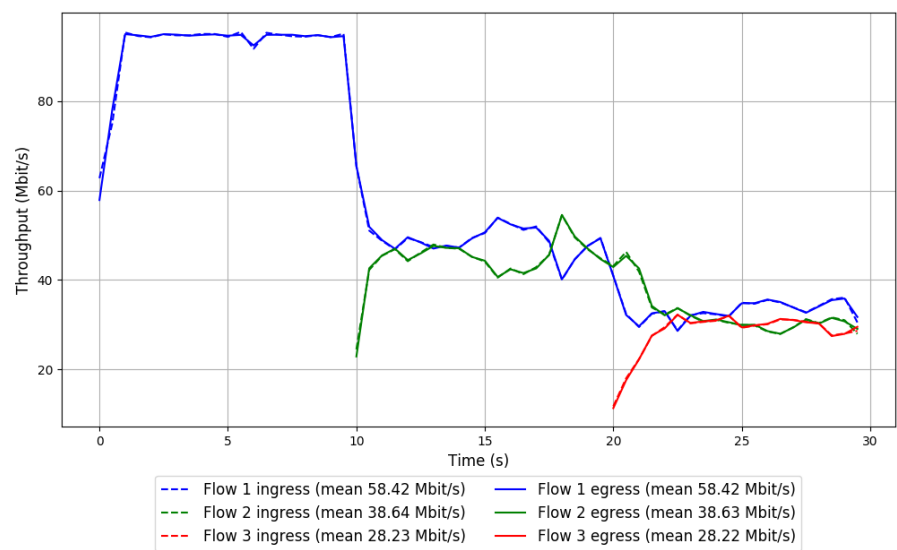
-- Flow 3:

Average throughput: 28.22 Mbit/s

95th percentile per-packet one-way delay: 17.565 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

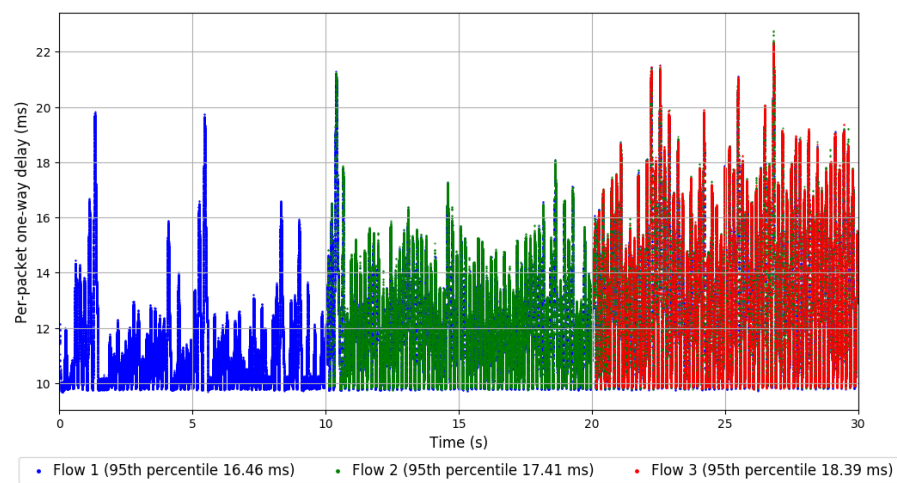
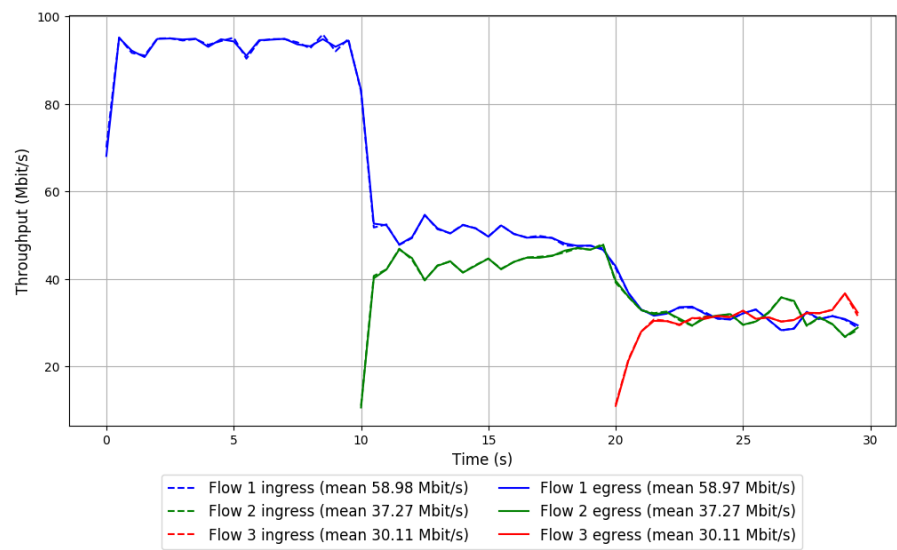


Run 9: Statistics of Copa

Start at: 2018-04-03 23:47:49
End at: 2018-04-03 23:48:19
Local clock offset: 4.444 ms
Remote clock offset: -2.899 ms

Below is generated by plot.py at 2018-04-04 01:10:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 17.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 16.463 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 17.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 18.387 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

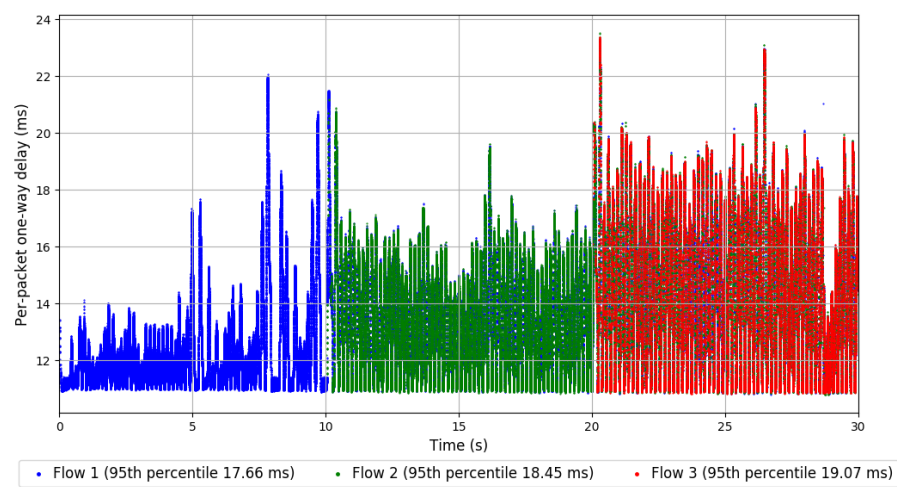
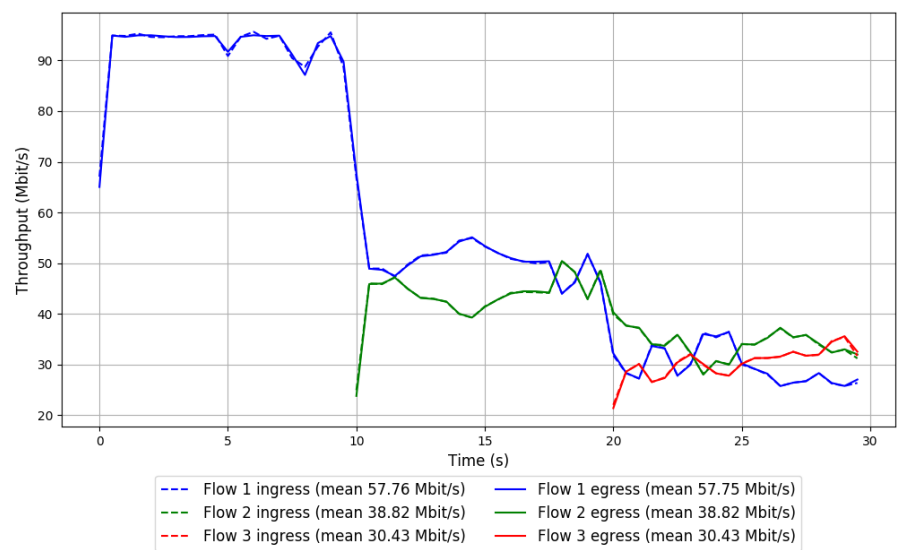


Run 10: Statistics of Copa

Start at: 2018-04-04 00:08:46
End at: 2018-04-04 00:09:16
Local clock offset: 3.057 ms
Remote clock offset: -2.309 ms

Below is generated by plot.py at 2018-04-04 01:10:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 18.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 17.659 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 18.446 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 19.072 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

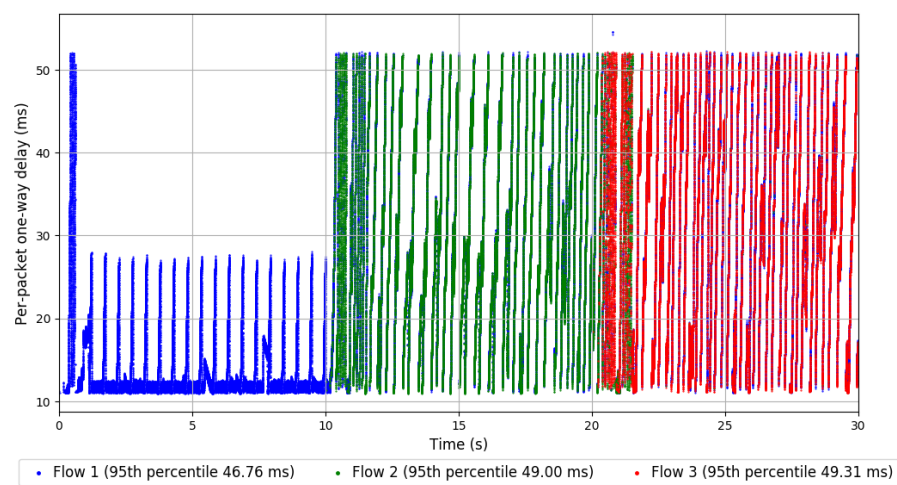
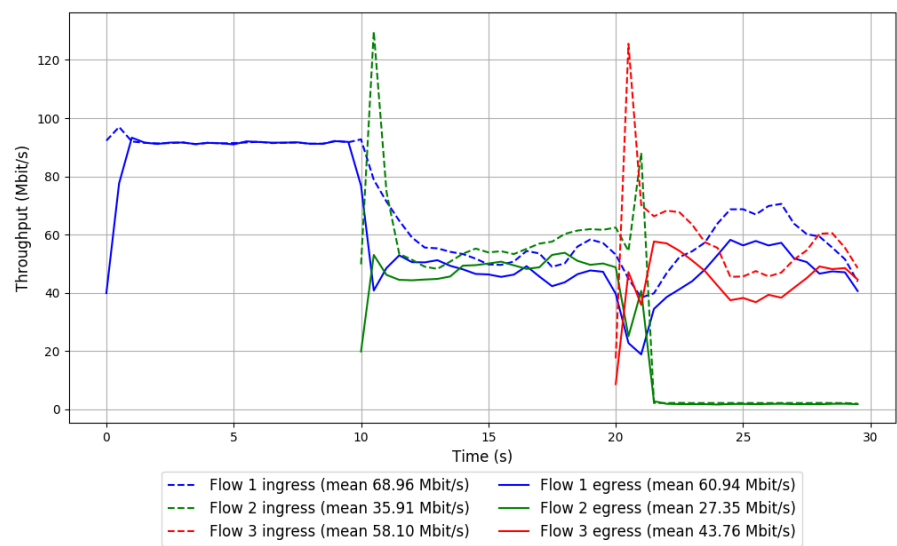


```
Run 1: Statistics of FillP

Start at: 2018-04-03 20:46:13
End at: 2018-04-03 20:46:43
Local clock offset: 0.325 ms
Remote clock offset: 1.461 ms

# Below is generated by plot.py at 2018-04-04 01:10:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 48.001 ms
Loss rate: 16.46%
-- Flow 1:
Average throughput: 60.94 Mbit/s
95th percentile per-packet one-way delay: 46.763 ms
Loss rate: 11.61%
-- Flow 2:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 48.997 ms
Loss rate: 23.81%
-- Flow 3:
Average throughput: 43.76 Mbit/s
95th percentile per-packet one-way delay: 49.310 ms
Loss rate: 24.70%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-04-03 21:07:12

End at: 2018-04-03 21:07:42

Local clock offset: 2.588 ms

Remote clock offset: 3.408 ms

Below is generated by plot.py at 2018-04-04 01:10:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 46.466 ms

Loss rate: 15.81%

-- Flow 1:

Average throughput: 49.25 Mbit/s

95th percentile per-packet one-way delay: 44.374 ms

Loss rate: 14.00%

-- Flow 2:

Average throughput: 45.44 Mbit/s

95th percentile per-packet one-way delay: 47.771 ms

Loss rate: 18.04%

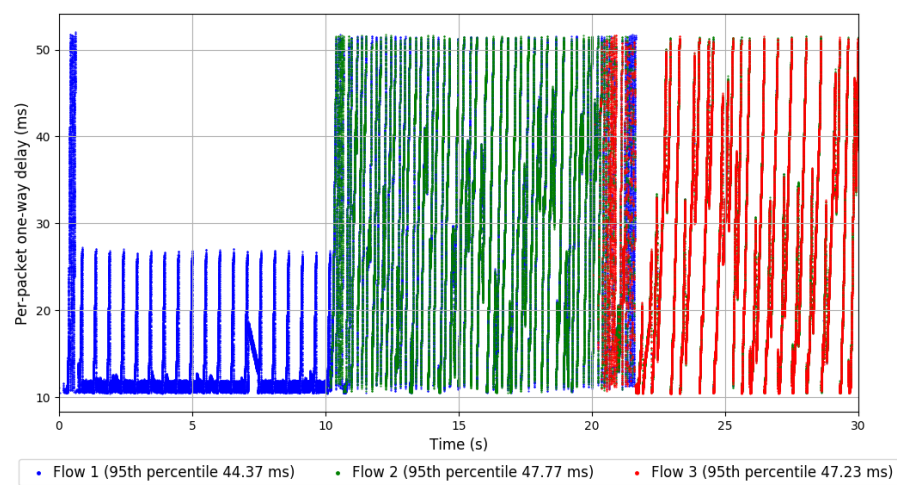
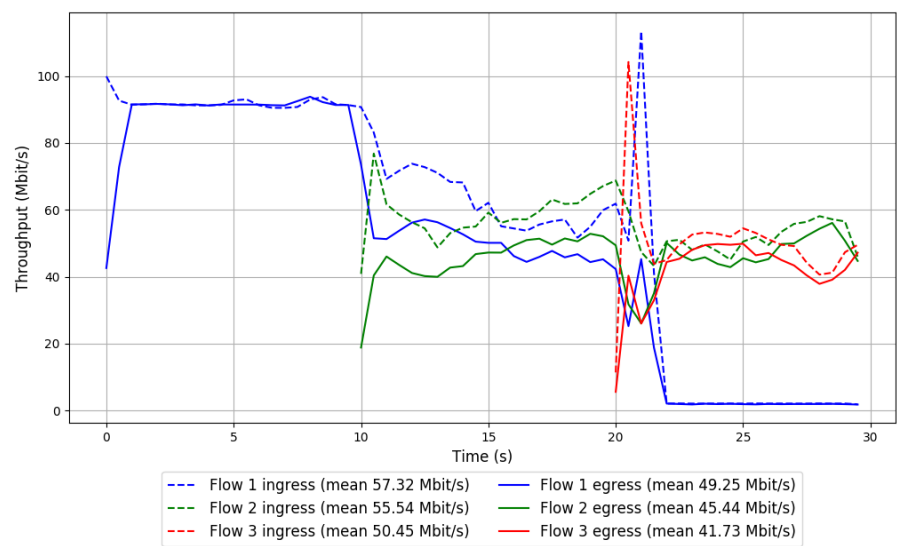
-- Flow 3:

Average throughput: 41.73 Mbit/s

95th percentile per-packet one-way delay: 47.235 ms

Loss rate: 17.10%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-03 21:28:14

End at: 2018-04-03 21:28:44

Local clock offset: 4.575 ms

Remote clock offset: 5.48 ms

Below is generated by plot.py at 2018-04-04 01:10:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.45 Mbit/s

95th percentile per-packet one-way delay: 44.937 ms

Loss rate: 14.95%

-- Flow 1:

Average throughput: 35.01 Mbit/s

95th percentile per-packet one-way delay: 36.436 ms

Loss rate: 10.35%

-- Flow 2:

Average throughput: 65.23 Mbit/s

95th percentile per-packet one-way delay: 45.455 ms

Loss rate: 14.49%

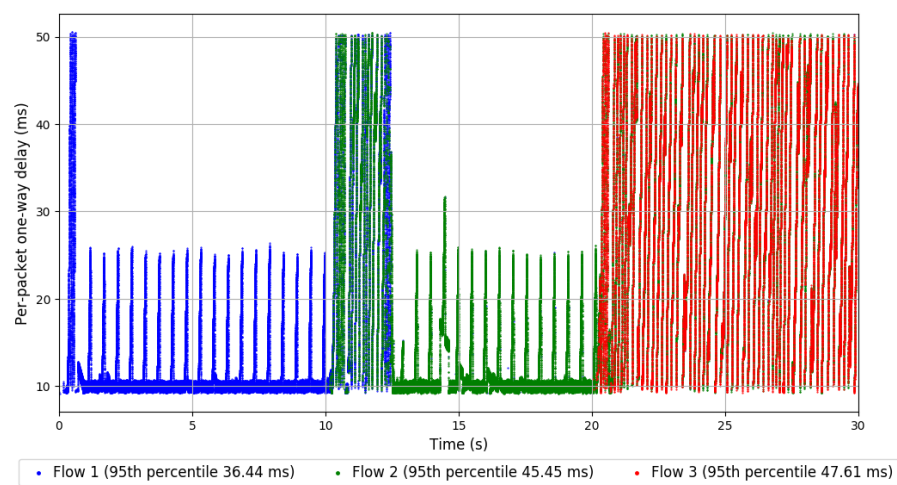
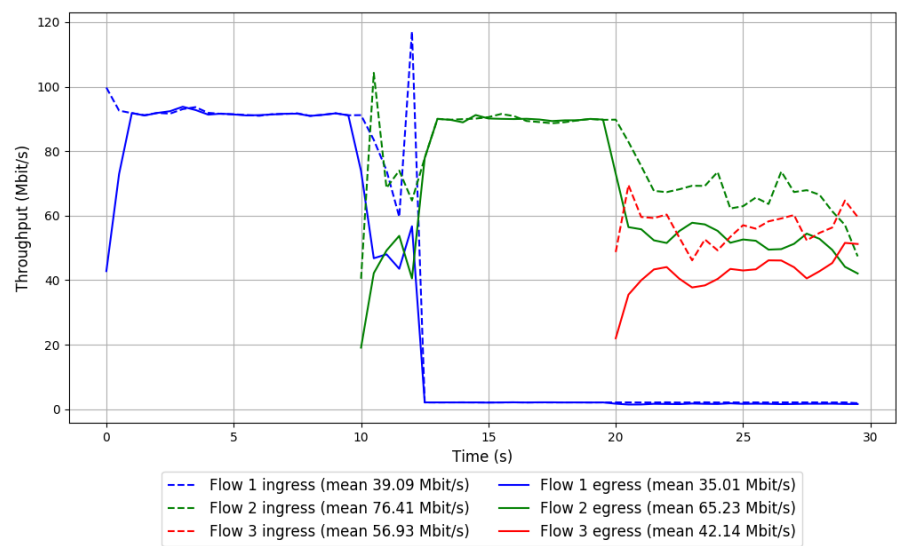
-- Flow 3:

Average throughput: 42.14 Mbit/s

95th percentile per-packet one-way delay: 47.611 ms

Loss rate: 25.74%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-03 21:49:14

End at: 2018-04-03 21:49:44

Local clock offset: 5.304 ms

Remote clock offset: 4.253 ms

Below is generated by plot.py at 2018-04-04 01:10:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 46.109 ms

Loss rate: 15.53%

-- Flow 1:

Average throughput: 63.16 Mbit/s

95th percentile per-packet one-way delay: 44.969 ms

Loss rate: 11.73%

-- Flow 2:

Average throughput: 26.17 Mbit/s

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

Loss rate: 25.68%

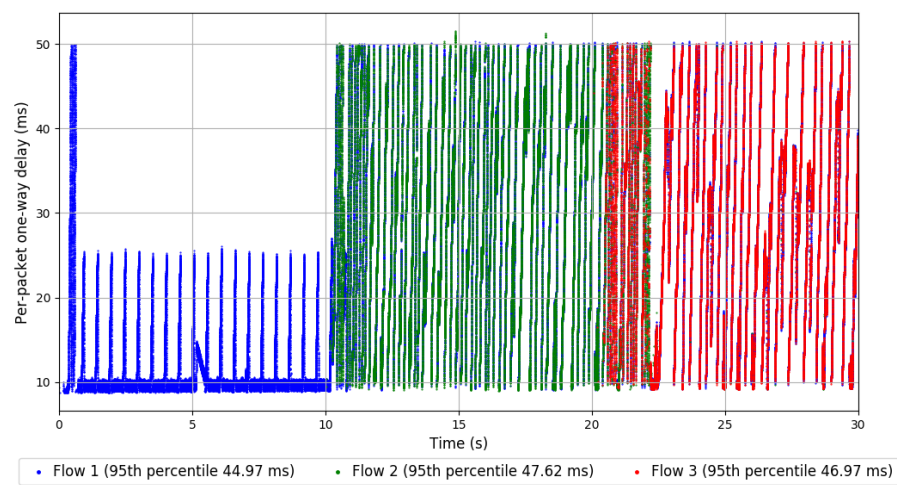
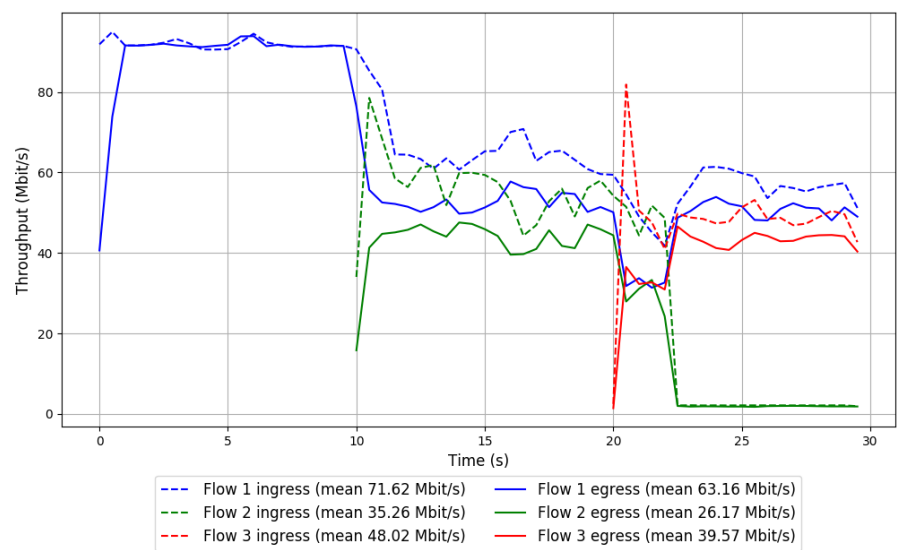
-- Flow 3:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 46.965 ms

Loss rate: 17.65%

Run 4: Report of FillP — Data Link

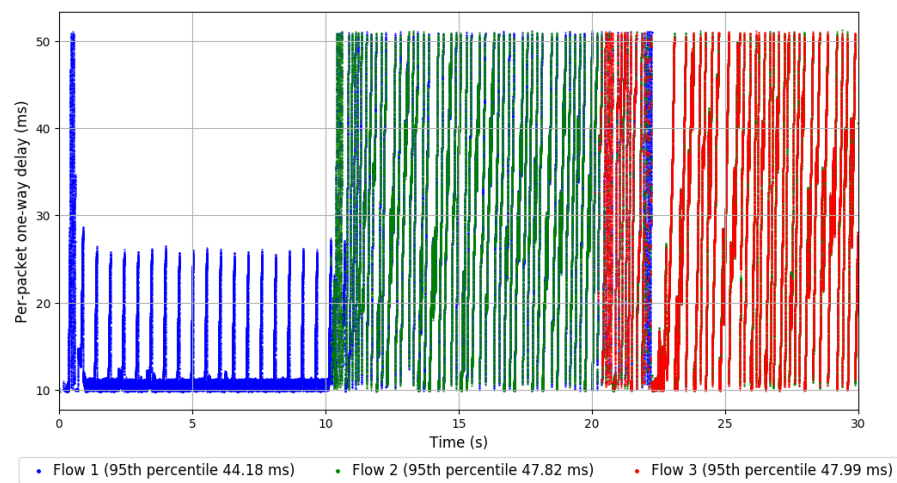
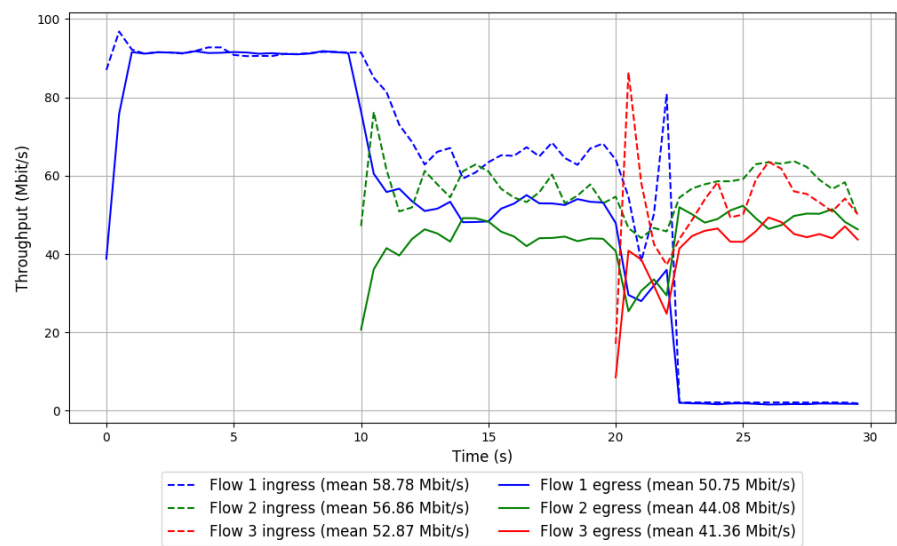


Run 5: Statistics of FillP

Start at: 2018-04-03 22:10:11
End at: 2018-04-03 22:10:41
Local clock offset: 4.321 ms
Remote clock offset: -4.801 ms

Below is generated by plot.py at 2018-04-04 01:10:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 46.562 ms
Loss rate: 17.76%
-- Flow 1:
Average throughput: 50.75 Mbit/s
95th percentile per-packet one-way delay: 44.180 ms
Loss rate: 13.63%
-- Flow 2:
Average throughput: 44.08 Mbit/s
95th percentile per-packet one-way delay: 47.817 ms
Loss rate: 22.36%
-- Flow 3:
Average throughput: 41.36 Mbit/s
95th percentile per-packet one-way delay: 47.995 ms
Loss rate: 21.70%

Run 5: Report of FillP — Data Link

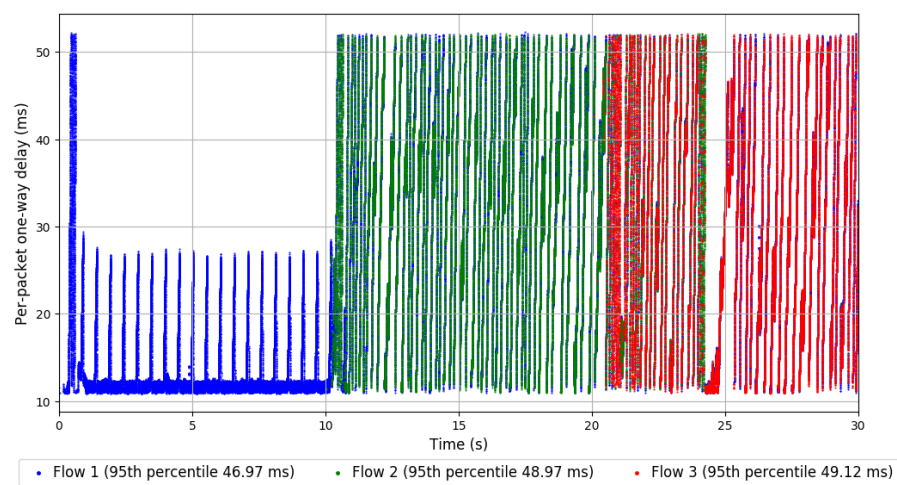
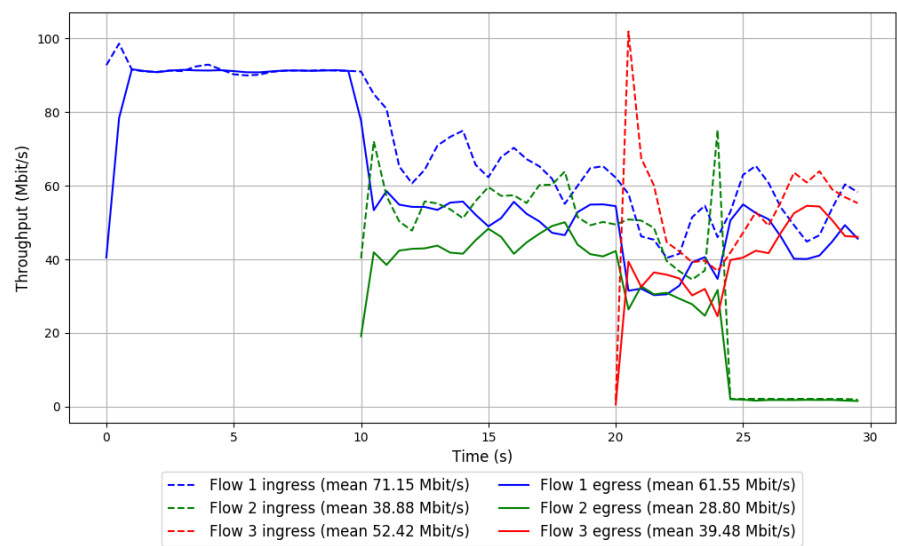


Run 6: Statistics of FillP

Start at: 2018-04-03 22:31:08
End at: 2018-04-03 22:31:39
Local clock offset: 1.484 ms
Remote clock offset: -7.445 ms

Below is generated by plot.py at 2018-04-04 01:10:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 48.040 ms
Loss rate: 17.97%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 46.970 ms
Loss rate: 13.44%
-- Flow 2:
Average throughput: 28.80 Mbit/s
95th percentile per-packet one-way delay: 48.973 ms
Loss rate: 25.86%
-- Flow 3:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 49.124 ms
Loss rate: 24.76%

Run 6: Report of FillP — Data Link

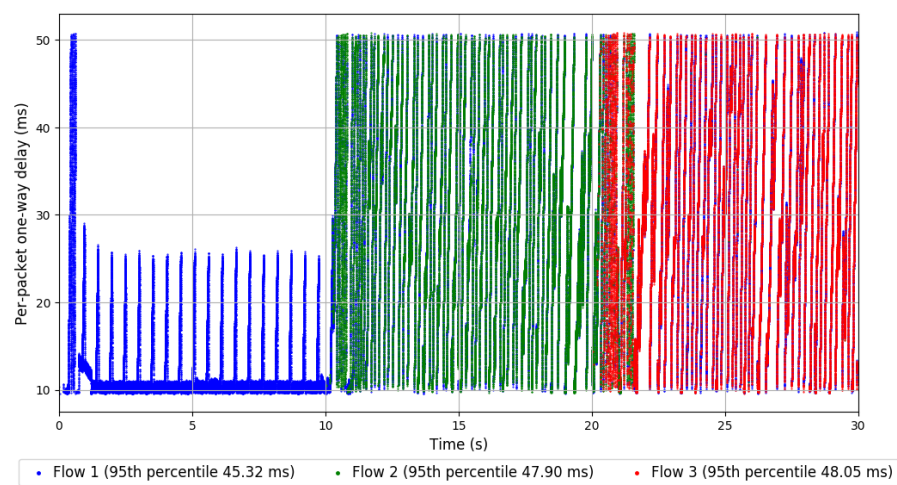
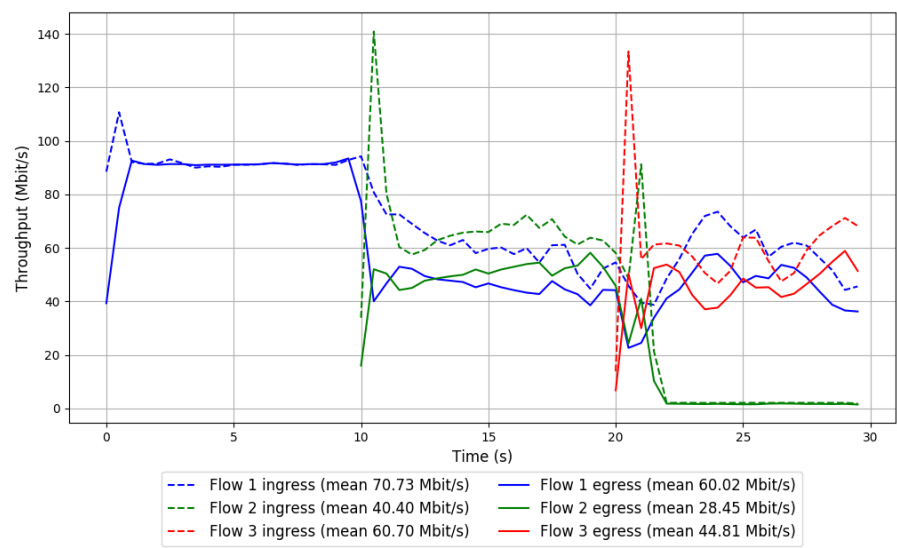


Run 7: Statistics of FillP

Start at: 2018-04-03 22:52:06
End at: 2018-04-03 22:52:36
Local clock offset: 2.134 ms
Remote clock offset: -8.969 ms

Below is generated by plot.py at 2018-04-04 01:11:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 46.723 ms
Loss rate: 20.32%
-- Flow 1:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 45.319 ms
Loss rate: 15.14%
-- Flow 2:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 47.904 ms
Loss rate: 29.58%
-- Flow 3:
Average throughput: 44.81 Mbit/s
95th percentile per-packet one-way delay: 48.054 ms
Loss rate: 26.19%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-03 23:12:54

End at: 2018-04-03 23:13:24

Local clock offset: 4.17 ms

Remote clock offset: 1.946 ms

Below is generated by plot.py at 2018-04-04 01:12:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 44.953 ms

Loss rate: 19.17%

-- Flow 1:

Average throughput: 60.31 Mbit/s

95th percentile per-packet one-way delay: 43.590 ms

Loss rate: 14.25%

-- Flow 2:

Average throughput: 27.22 Mbit/s

95th percentile per-packet one-way delay: 46.098 ms

Loss rate: 26.09%

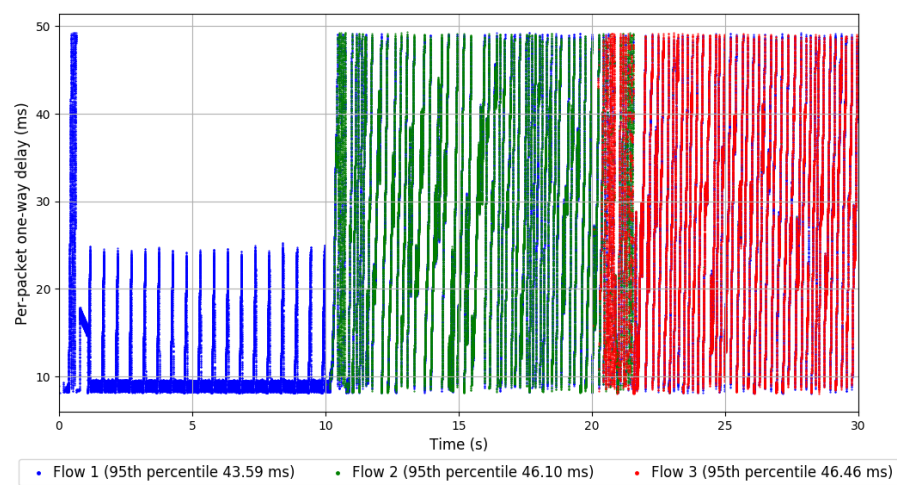
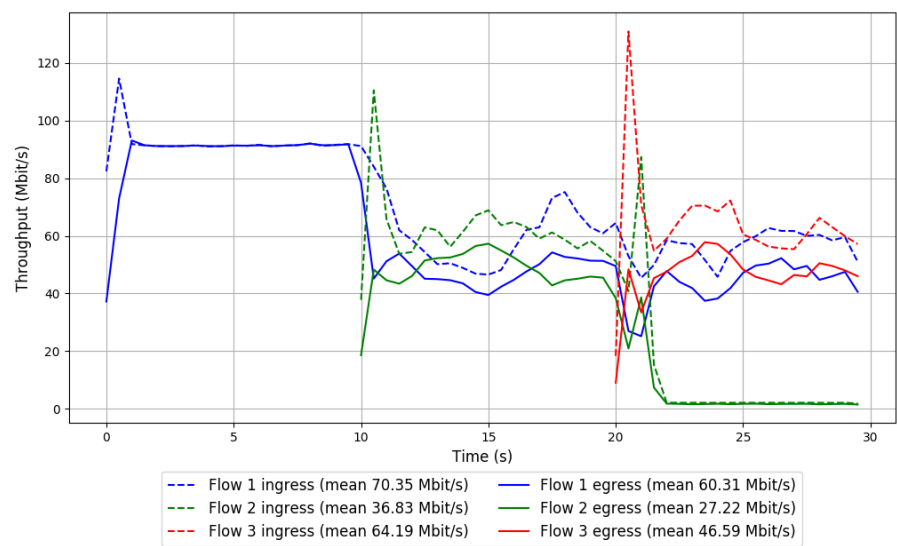
-- Flow 3:

Average throughput: 46.59 Mbit/s

95th percentile per-packet one-way delay: 46.464 ms

Loss rate: 27.43%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-03 23:33:51

End at: 2018-04-03 23:34:21

Local clock offset: 1.555 ms

Remote clock offset: 0.747 ms

Below is generated by plot.py at 2018-04-04 01:12:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 48.815 ms

Loss rate: 19.04%

-- Flow 1:

Average throughput: 50.46 Mbit/s

95th percentile per-packet one-way delay: 46.926 ms

Loss rate: 13.68%

-- Flow 2:

Average throughput: 44.83 Mbit/s

95th percentile per-packet one-way delay: 49.844 ms

Loss rate: 23.42%

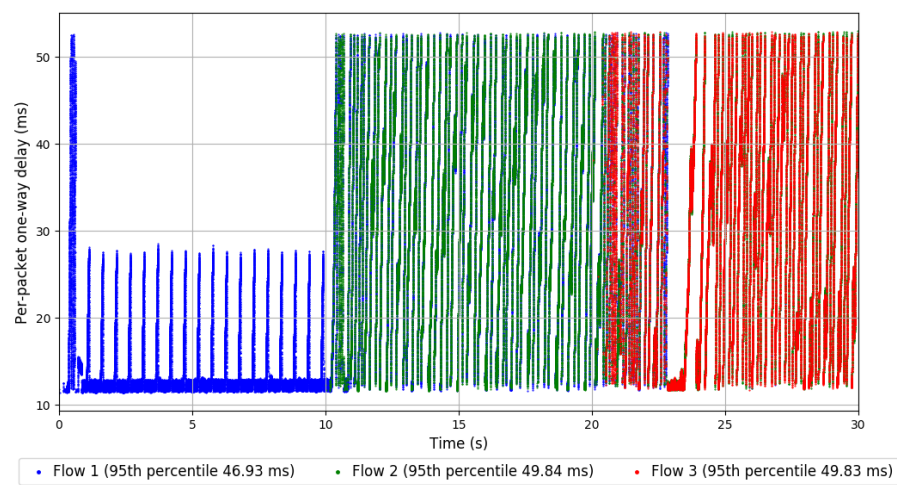
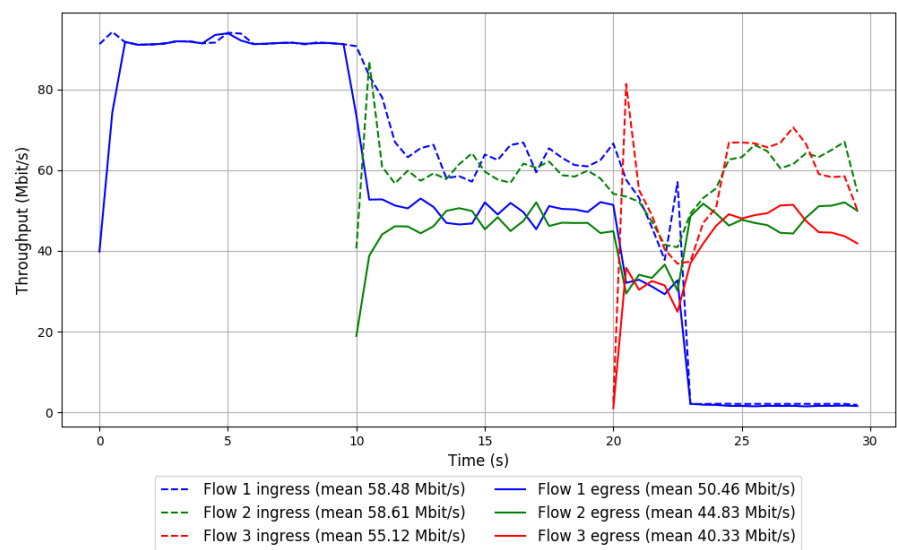
-- Flow 3:

Average throughput: 40.33 Mbit/s

95th percentile per-packet one-way delay: 49.834 ms

Loss rate: 26.87%

Run 9: Report of FillP — Data Link

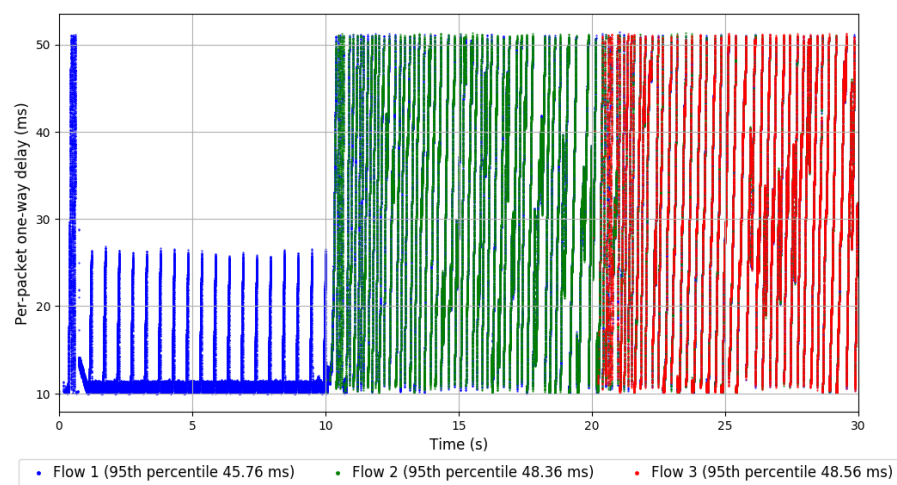
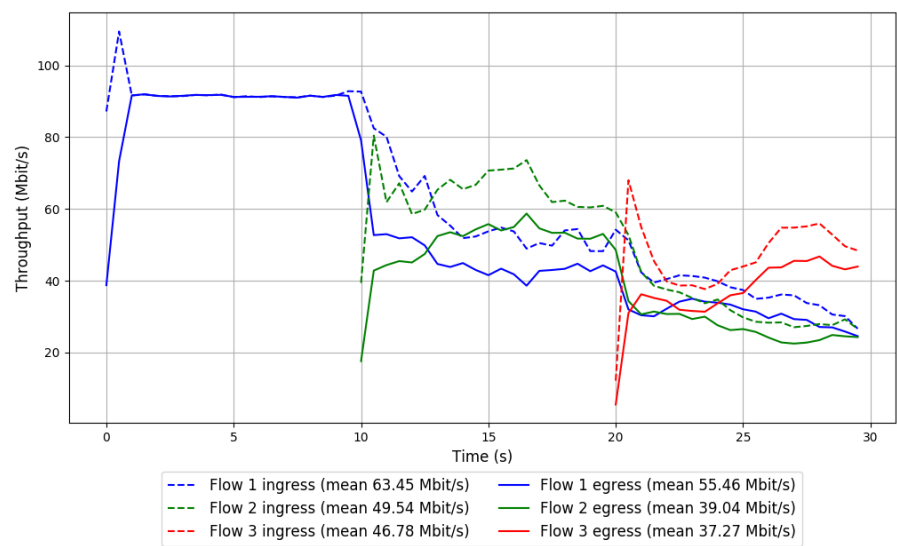


Run 10: Statistics of FillP

Start at: 2018-04-03 23:54:49
End at: 2018-04-03 23:55:19
Local clock offset: 4.084 ms
Remote clock offset: -3.547 ms

Below is generated by plot.py at 2018-04-04 01:12:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 47.231 ms
Loss rate: 16.14%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 45.757 ms
Loss rate: 12.53%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 48.361 ms
Loss rate: 21.14%
-- Flow 3:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 48.562 ms
Loss rate: 20.31%

Run 10: Report of FillP — Data Link

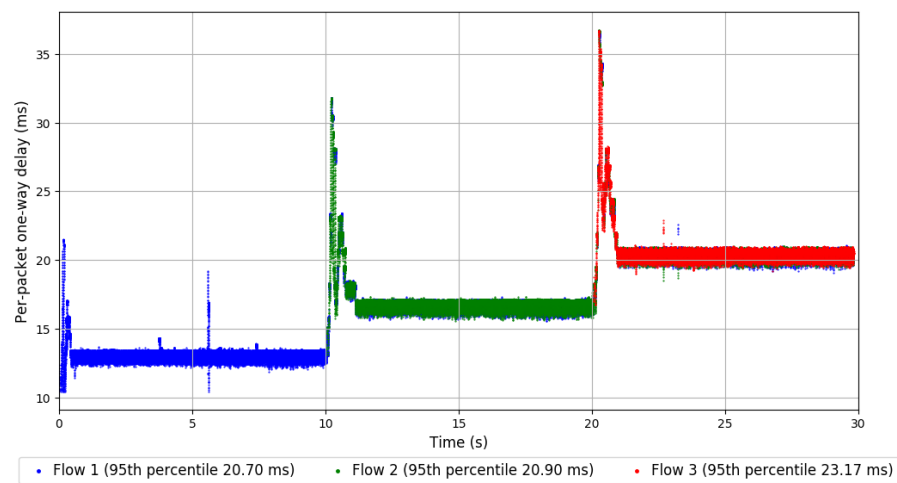
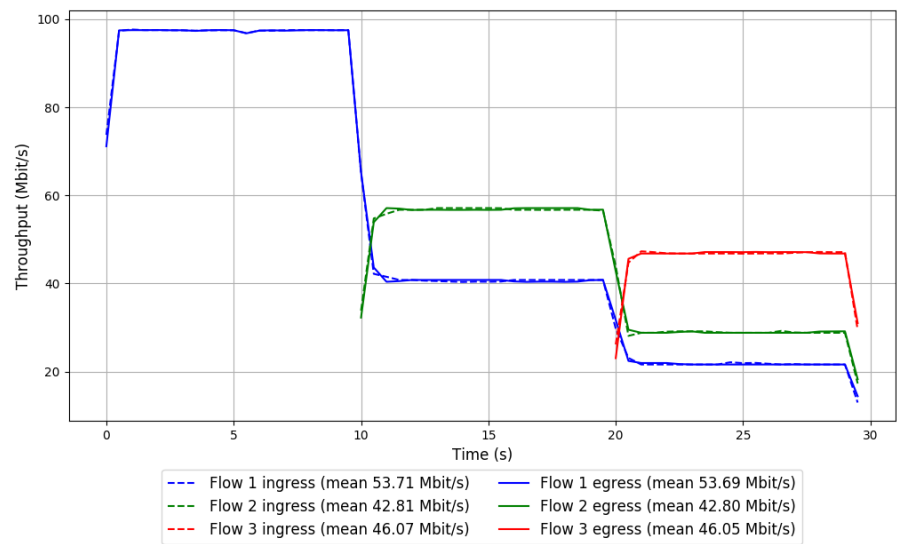


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-03 20:48:33
End at: 2018-04-03 20:49:03
Local clock offset: 1.563 ms
Remote clock offset: 1.96 ms

# Below is generated by plot.py at 2018-04-04 01:12:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 20.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.69 Mbit/s
95th percentile per-packet one-way delay: 20.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 20.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.05 Mbit/s
95th percentile per-packet one-way delay: 23.173 ms
Loss rate: 0.01%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-03 21:09:32

End at: 2018-04-03 21:10:02

Local clock offset: 4.428 ms

Remote clock offset: 3.249 ms

Below is generated by plot.py at 2018-04-04 01:12:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 20.007 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.40 Mbit/s

95th percentile per-packet one-way delay: 18.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.62 Mbit/s

95th percentile per-packet one-way delay: 18.902 ms

Loss rate: 0.00%

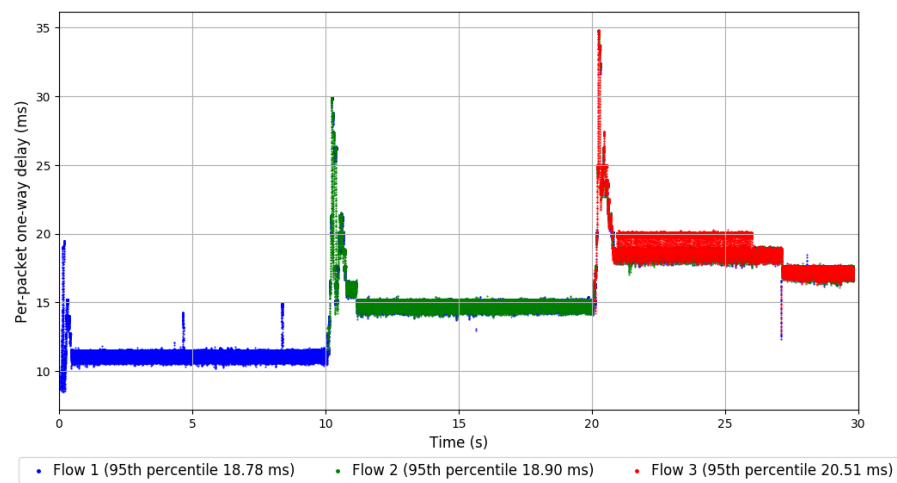
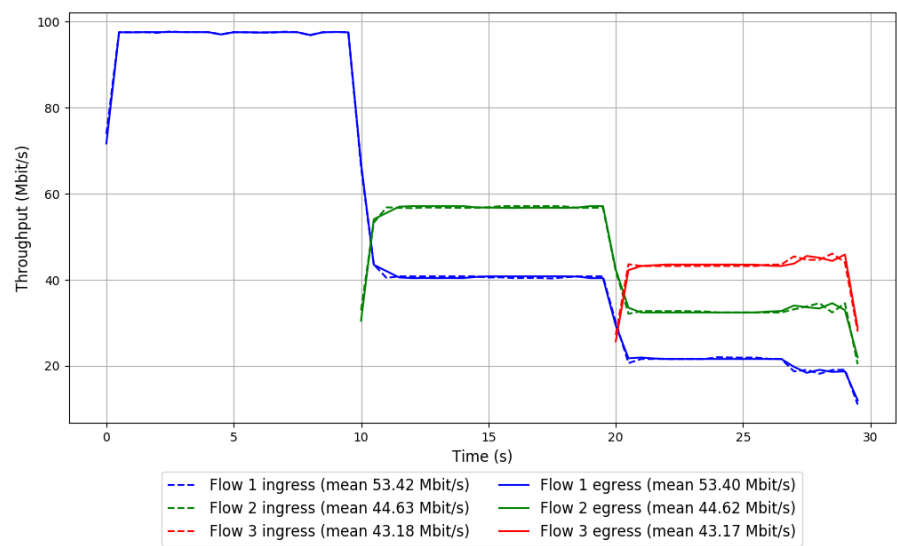
-- Flow 3:

Average throughput: 43.17 Mbit/s

95th percentile per-packet one-way delay: 20.512 ms

Loss rate: 0.00%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-03 21:30:34

End at: 2018-04-03 21:31:04

Local clock offset: 3.536 ms

Remote clock offset: 6.02 ms

Below is generated by plot.py at 2018-04-04 01:12:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 21.028 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.51 Mbit/s

95th percentile per-packet one-way delay: 20.930 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.59 Mbit/s

95th percentile per-packet one-way delay: 21.166 ms

Loss rate: 0.00%

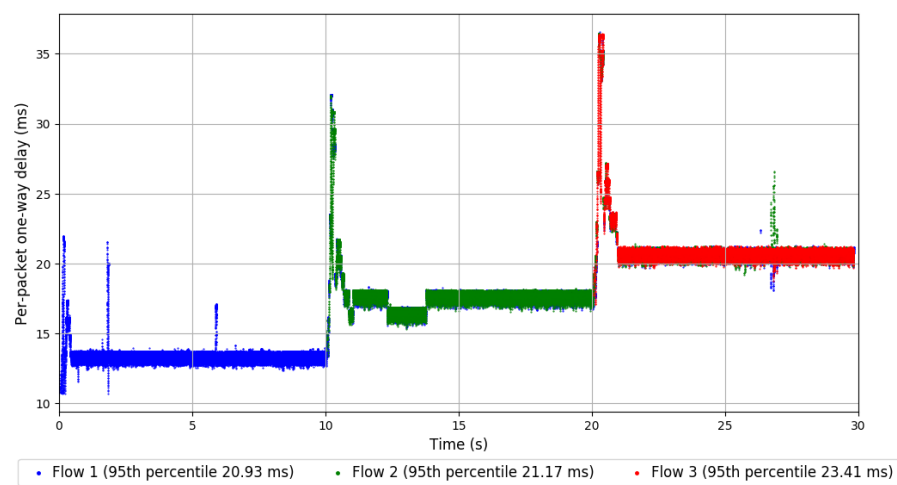
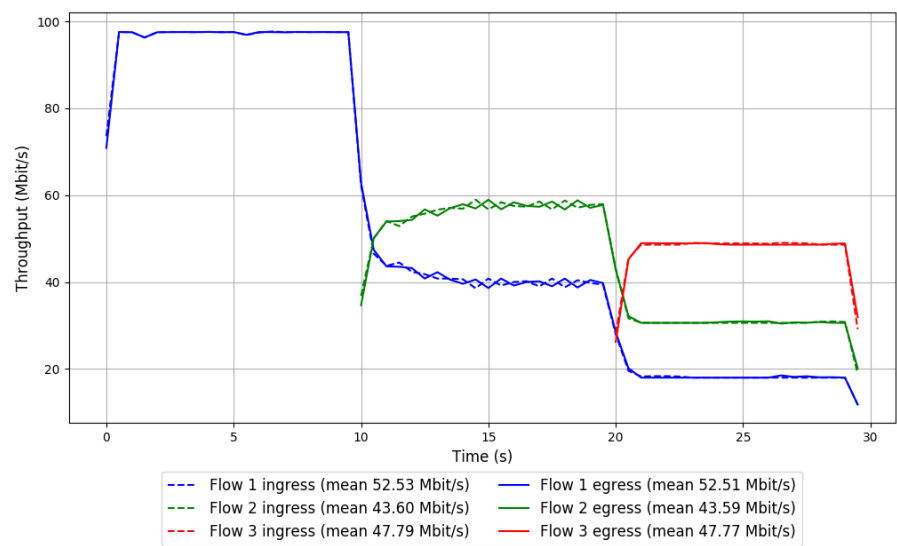
-- Flow 3:

Average throughput: 47.77 Mbit/s

95th percentile per-packet one-way delay: 23.408 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-03 21:51:33

End at: 2018-04-03 21:52:03

Local clock offset: 2.252 ms

Remote clock offset: 2.102 ms

Below is generated by plot.py at 2018-04-04 01:12:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 21.264 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.52 Mbit/s

95th percentile per-packet one-way delay: 20.850 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.09 Mbit/s

95th percentile per-packet one-way delay: 21.782 ms

Loss rate: 0.00%

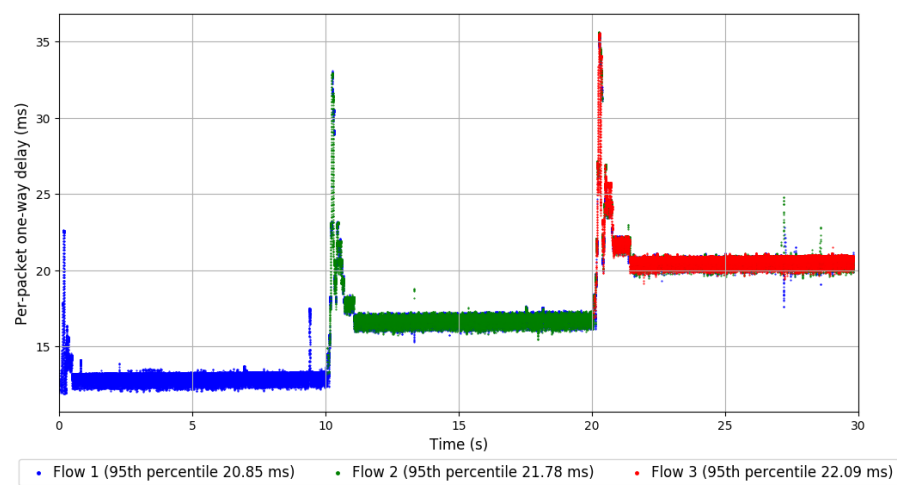
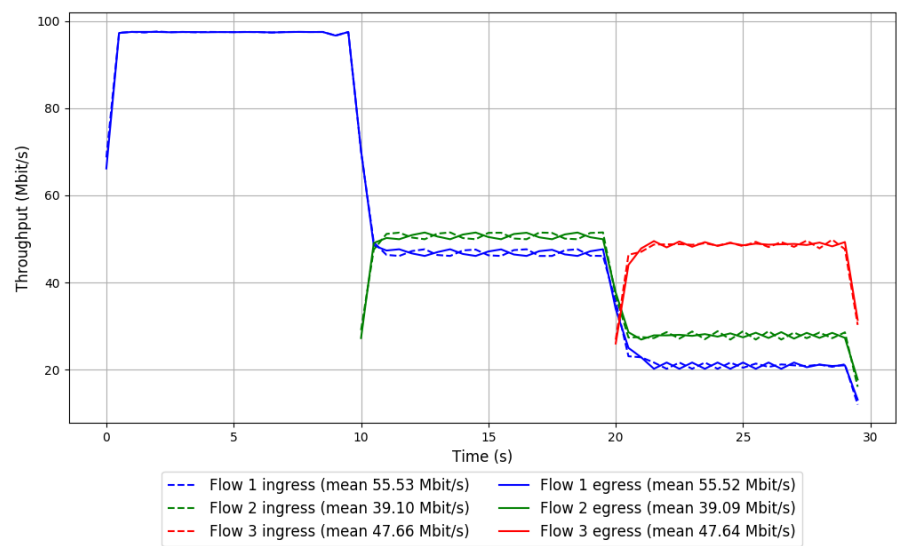
-- Flow 3:

Average throughput: 47.64 Mbit/s

95th percentile per-packet one-way delay: 22.089 ms

Loss rate: 0.00%

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

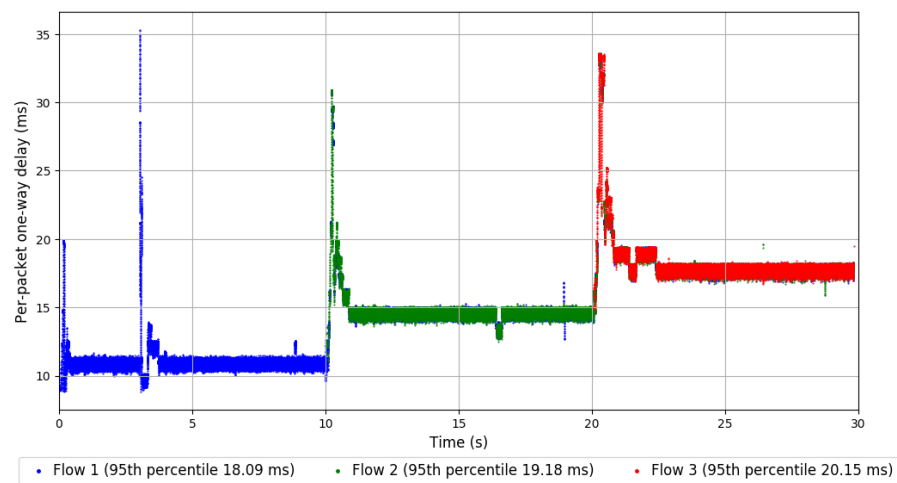
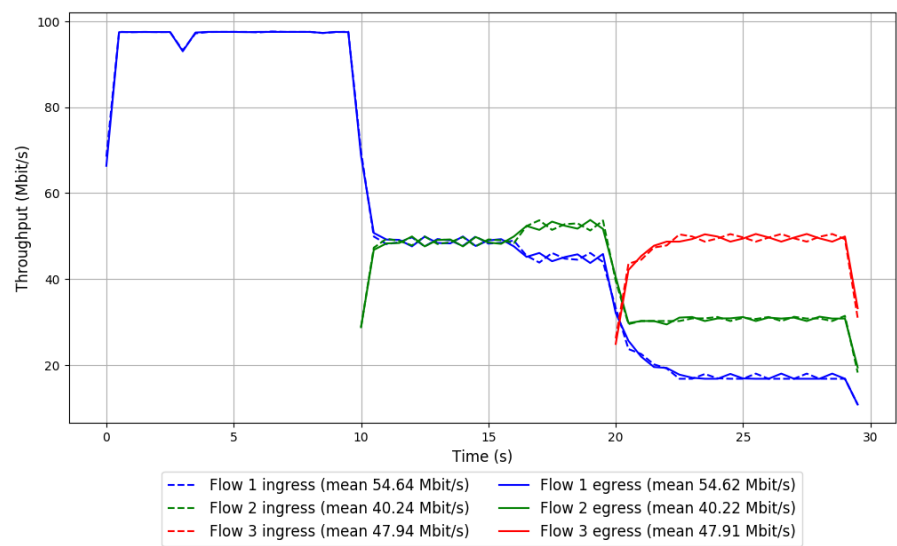


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-03 22:12:31
End at: 2018-04-03 22:13:01
Local clock offset: 5.283 ms
Remote clock offset: -5.316 ms

Below is generated by plot.py at 2018-04-04 01:13:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 19.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 18.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.91 Mbit/s
95th percentile per-packet one-way delay: 20.146 ms
Loss rate: 0.00%

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

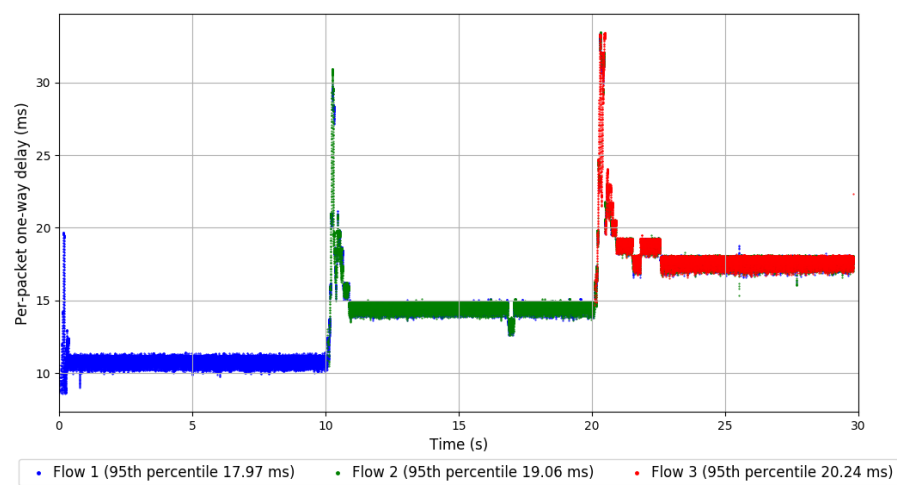
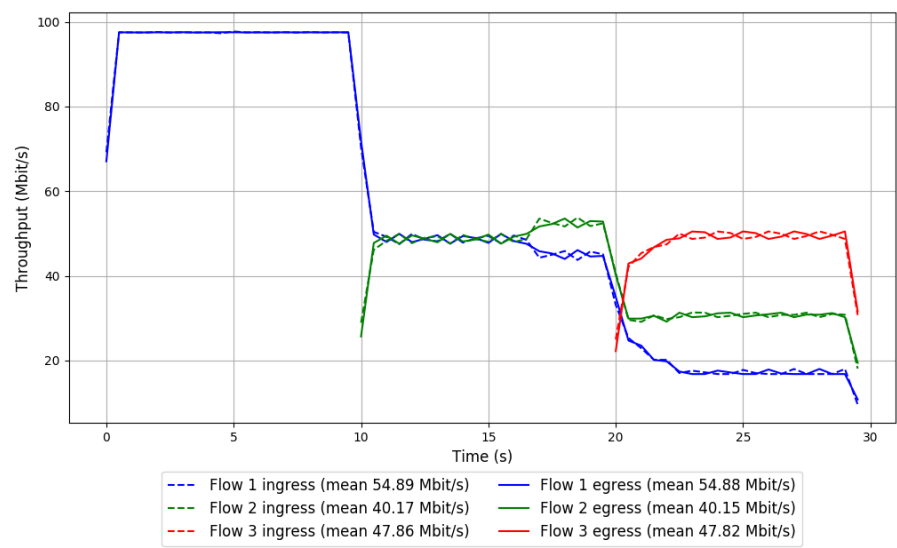


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-03 22:33:28
End at: 2018-04-03 22:33:58
Local clock offset: 2.866 ms
Remote clock offset: -8.473 ms

Below is generated by plot.py at 2018-04-04 01:13:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 19.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.88 Mbit/s
95th percentile per-packet one-way delay: 17.969 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.82 Mbit/s
95th percentile per-packet one-way delay: 20.244 ms
Loss rate: 0.00%

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

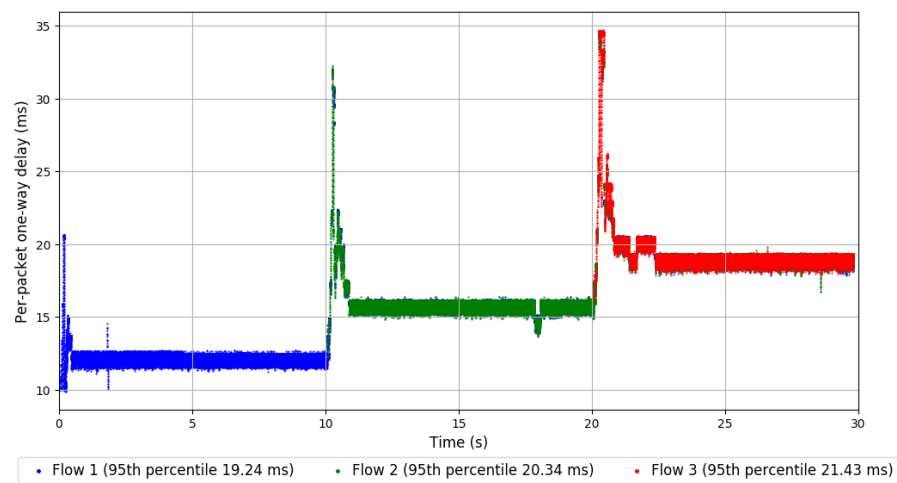
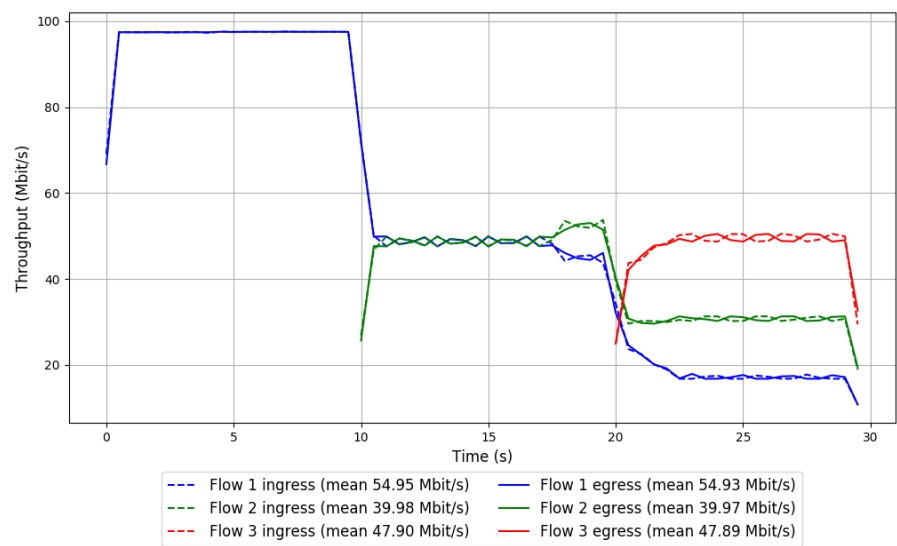


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-03 22:54:26
End at: 2018-04-03 22:54:56
Local clock offset: 1.487 ms
Remote clock offset: -9.425 ms

Below is generated by plot.py at 2018-04-04 01:13:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 20.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.93 Mbit/s
95th percentile per-packet one-way delay: 19.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 20.337 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.89 Mbit/s
95th percentile per-packet one-way delay: 21.427 ms
Loss rate: 0.00%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-03 23:15:14

End at: 2018-04-03 23:15:44

Local clock offset: 3.398 ms

Remote clock offset: 1.398 ms

Below is generated by plot.py at 2018-04-04 01:13:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 17.407 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 17.341 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.76 Mbit/s

95th percentile per-packet one-way delay: 17.420 ms

Loss rate: 0.00%

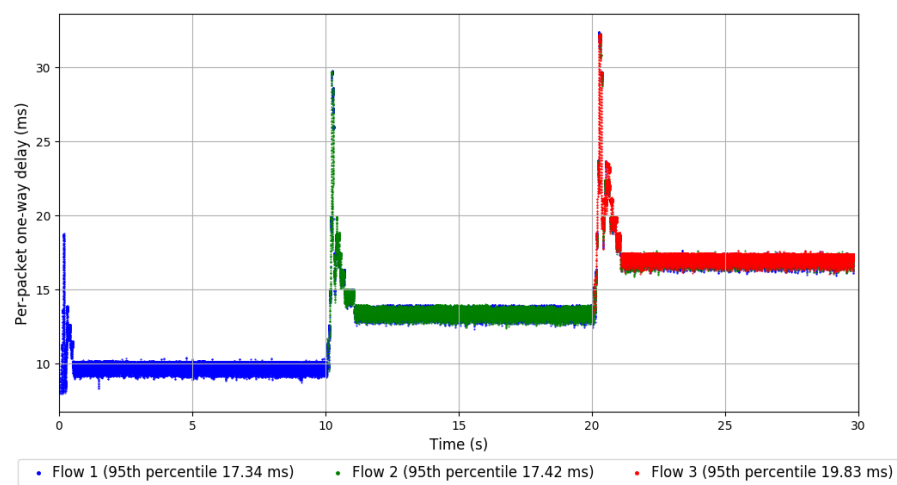
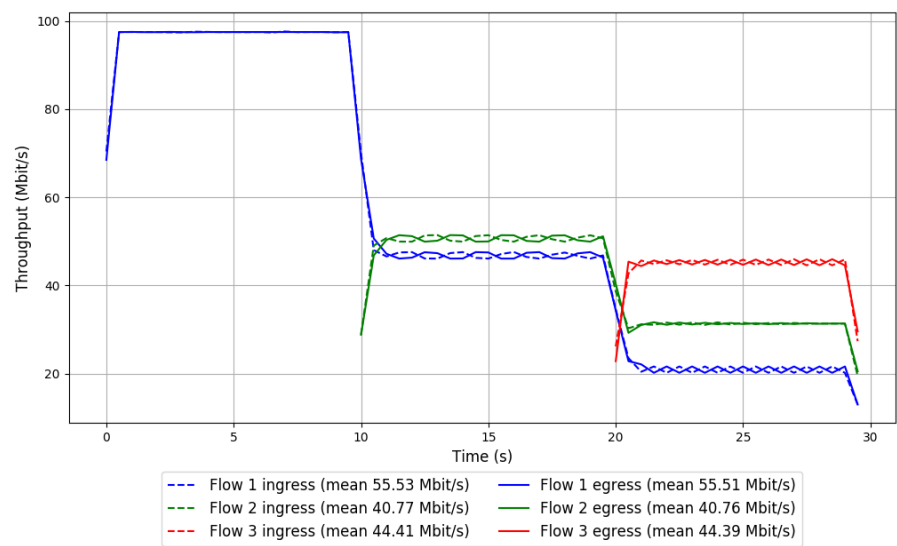
-- Flow 3:

Average throughput: 44.39 Mbit/s

95th percentile per-packet one-way delay: 19.832 ms

Loss rate: 0.00%

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

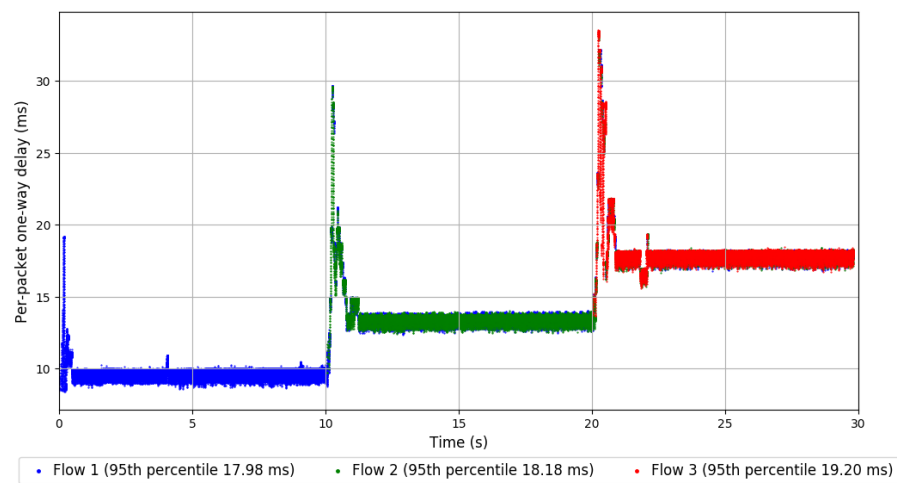
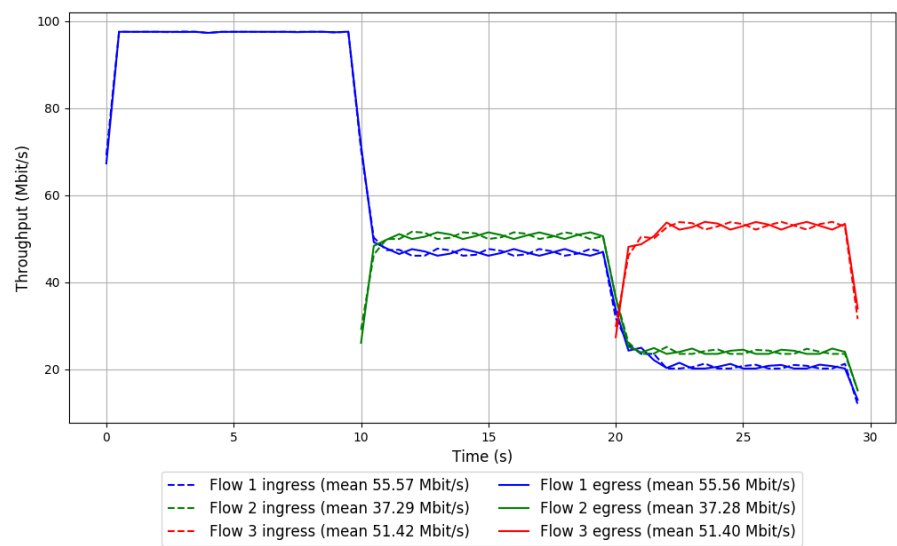


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-03 23:36:11
End at: 2018-04-03 23:36:41
Local clock offset: 4.691 ms
Remote clock offset: -0.562 ms

Below is generated by plot.py at 2018-04-04 01:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 18.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 17.985 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 18.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.40 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.00%

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

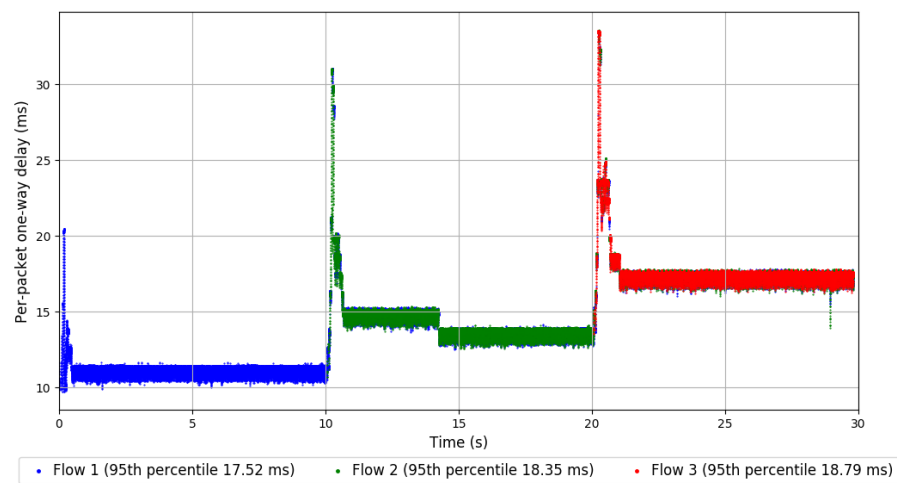
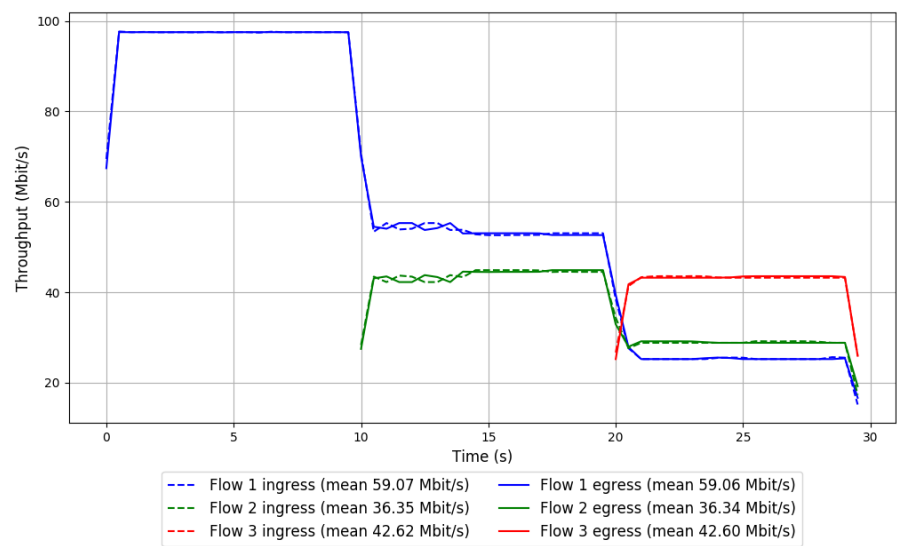


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-03 23:57:09
End at: 2018-04-03 23:57:39
Local clock offset: 4.167 ms
Remote clock offset: -3.983 ms

Below is generated by plot.py at 2018-04-04 01:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 17.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.06 Mbit/s
95th percentile per-packet one-way delay: 17.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 18.353 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 18.787 ms
Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-04-03 20:47:22

End at: 2018-04-03 20:47:52

Local clock offset: 2.297 ms

Remote clock offset: 0.808 ms

Below is generated by plot.py at 2018-04-04 01:13:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.32 Mbit/s

95th percentile per-packet one-way delay: 12.645 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.33 Mbit/s

95th percentile per-packet one-way delay: 12.234 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.65 Mbit/s

95th percentile per-packet one-way delay: 12.816 ms

Loss rate: 0.00%

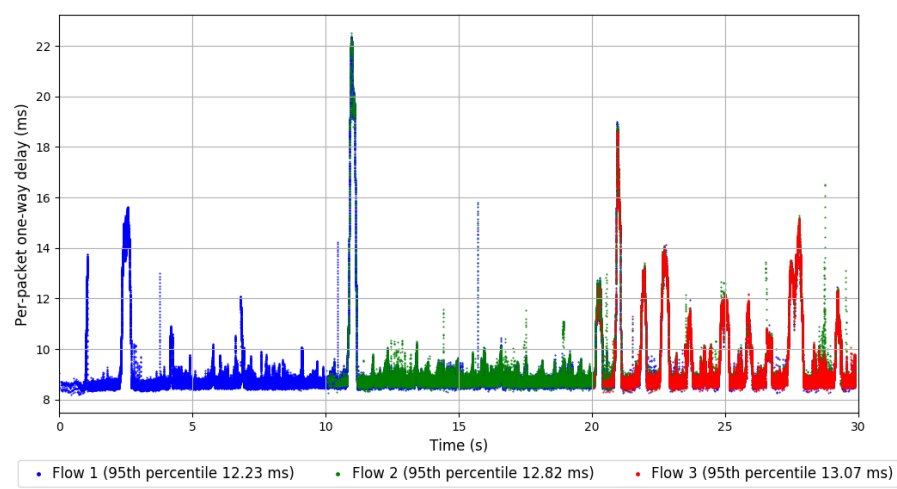
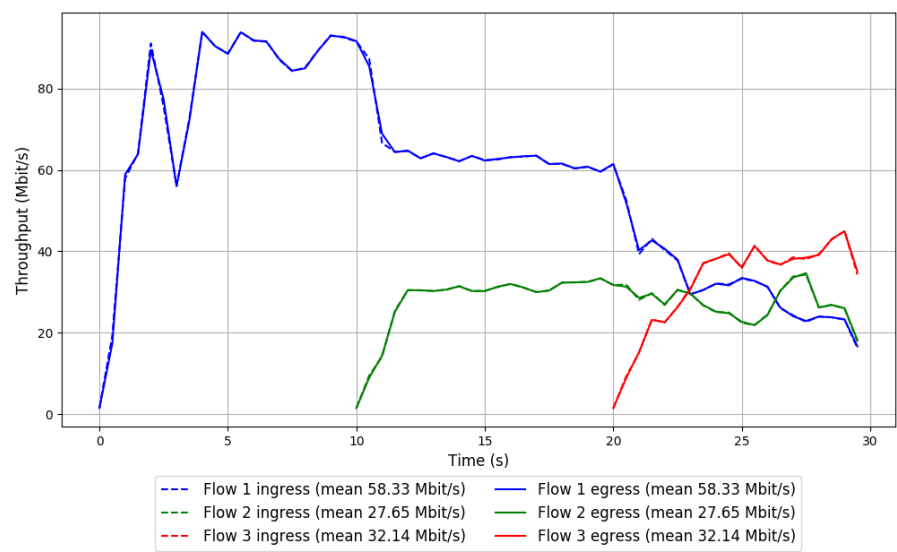
-- Flow 3:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 13.067 ms

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-04-03 21:08:21

End at: 2018-04-03 21:08:51

Local clock offset: 2.191 ms

Remote clock offset: 3.943 ms

Below is generated by plot.py at 2018-04-04 01:13:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 19.480 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.54 Mbit/s

95th percentile per-packet one-way delay: 17.884 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.24 Mbit/s

95th percentile per-packet one-way delay: 21.616 ms

Loss rate: 0.00%

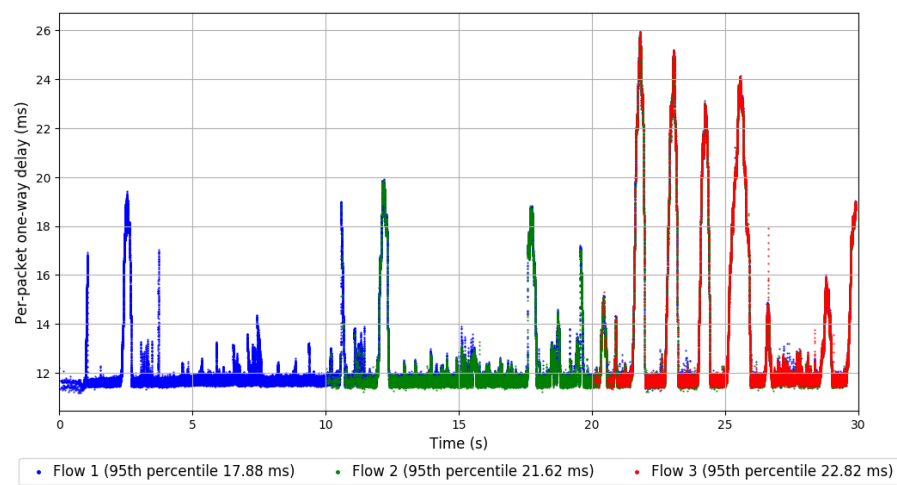
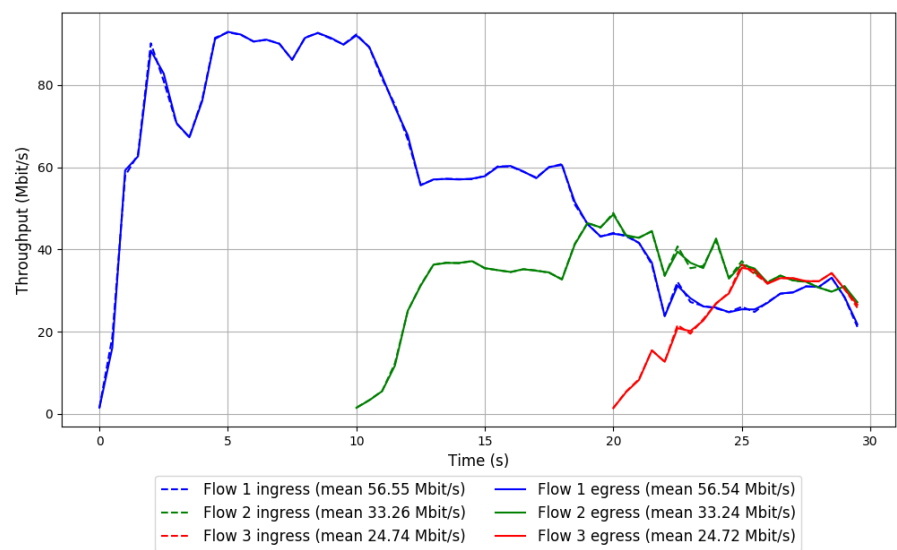
-- Flow 3:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 22.815 ms

Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-04-03 21:29:23

End at: 2018-04-03 21:29:53

Local clock offset: 1.832 ms

Remote clock offset: 5.275 ms

Below is generated by plot.py at 2018-04-04 01:14:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.18 Mbit/s

95th percentile per-packet one-way delay: 16.031 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.37 Mbit/s

95th percentile per-packet one-way delay: 15.414 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.47 Mbit/s

95th percentile per-packet one-way delay: 17.369 ms

Loss rate: 0.00%

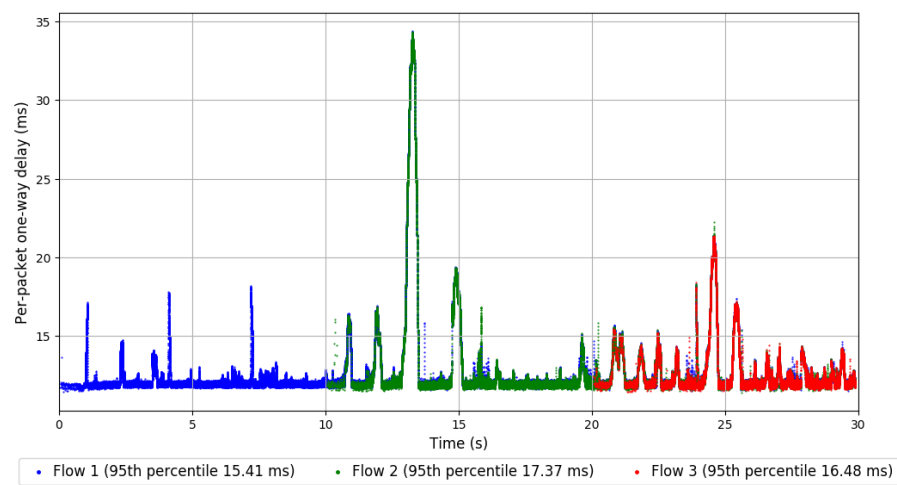
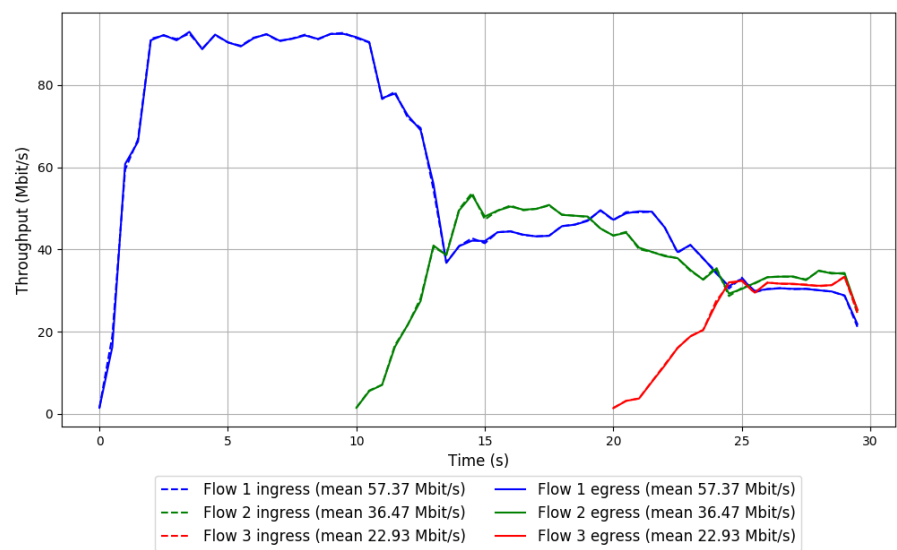
-- Flow 3:

Average throughput: 22.93 Mbit/s

95th percentile per-packet one-way delay: 16.475 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-04-03 21:50:22

End at: 2018-04-03 21:50:52

Local clock offset: 3.917 ms

Remote clock offset: 1.957 ms

Below is generated by plot.py at 2018-04-04 01:14:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 15.791 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.57 Mbit/s

95th percentile per-packet one-way delay: 14.779 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.26 Mbit/s

95th percentile per-packet one-way delay: 15.945 ms

Loss rate: 0.00%

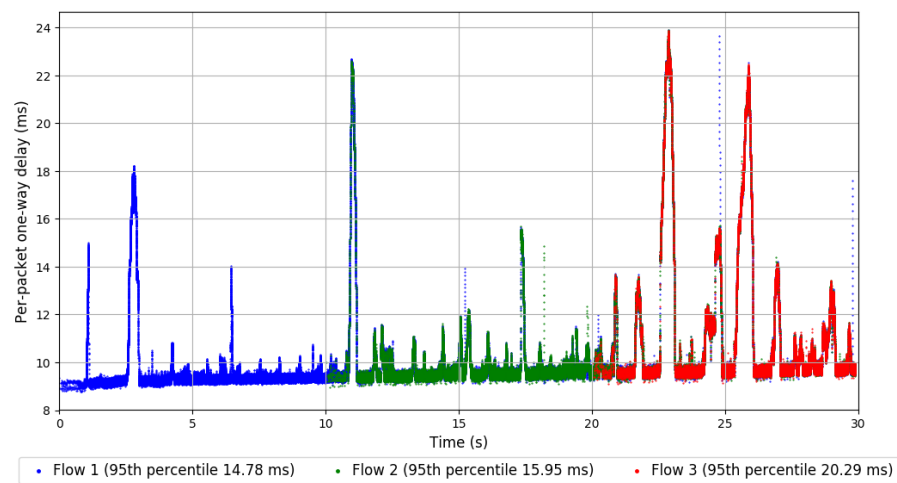
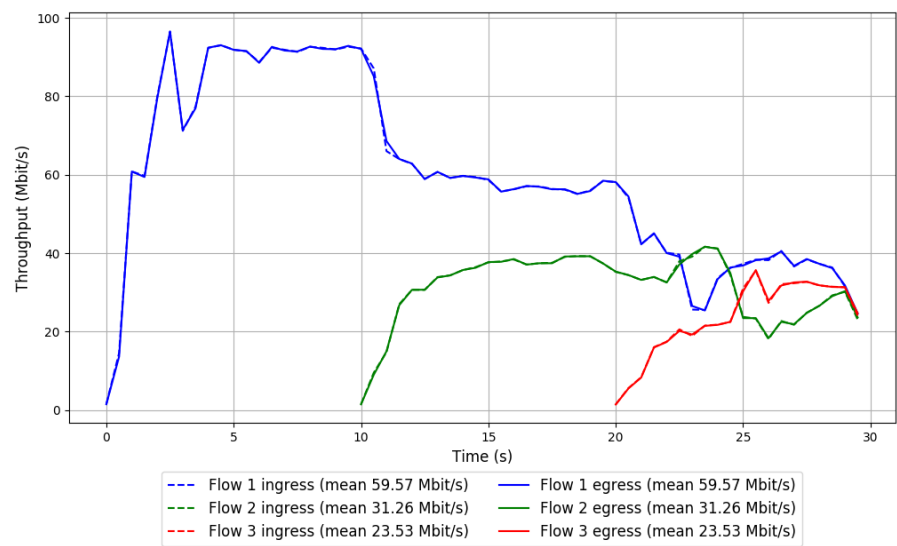
-- Flow 3:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 20.287 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

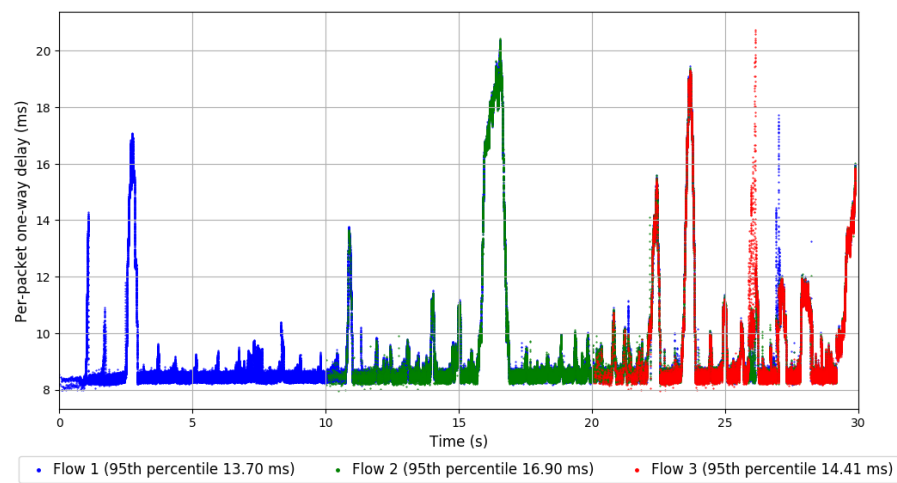
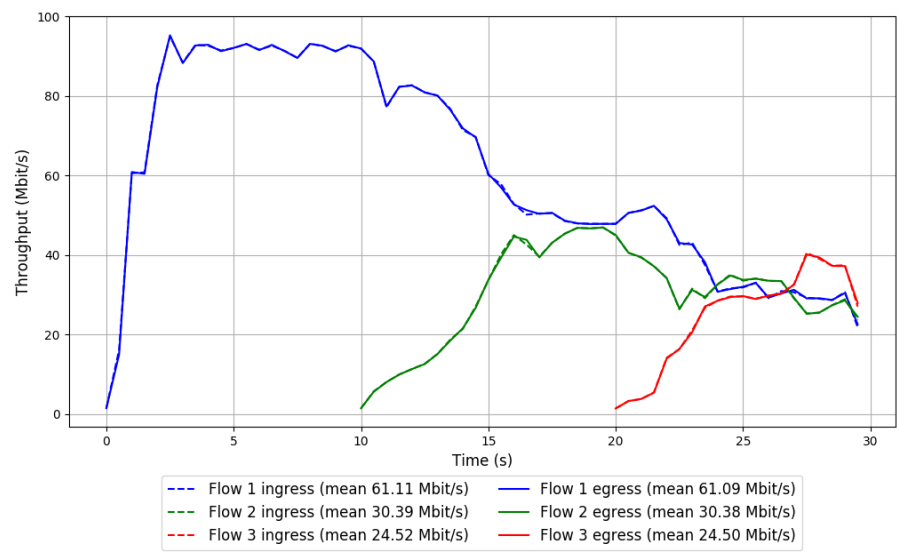


Run 5: Statistics of Vivace-latency

Start at: 2018-04-03 22:11:20
End at: 2018-04-03 22:11:50
Local clock offset: 4.883 ms
Remote clock offset: -6.185 ms

Below is generated by plot.py at 2018-04-04 01:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 14.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 13.699 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 16.898 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 14.412 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

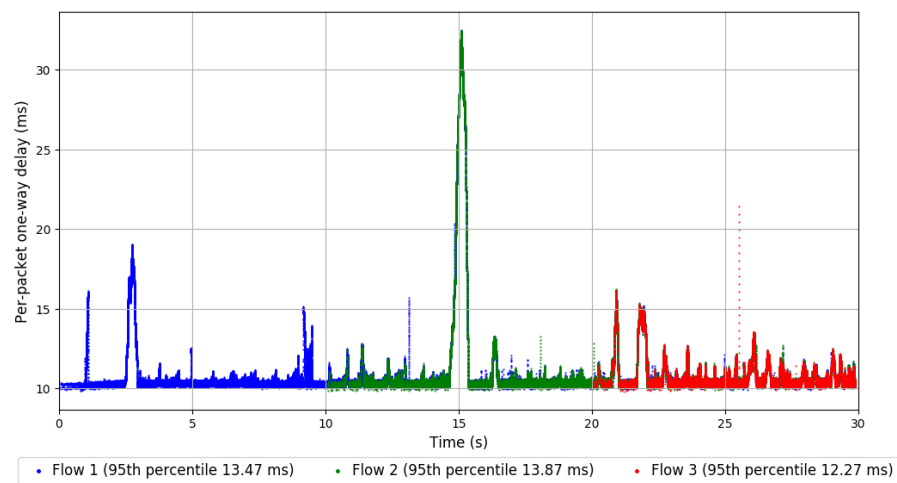
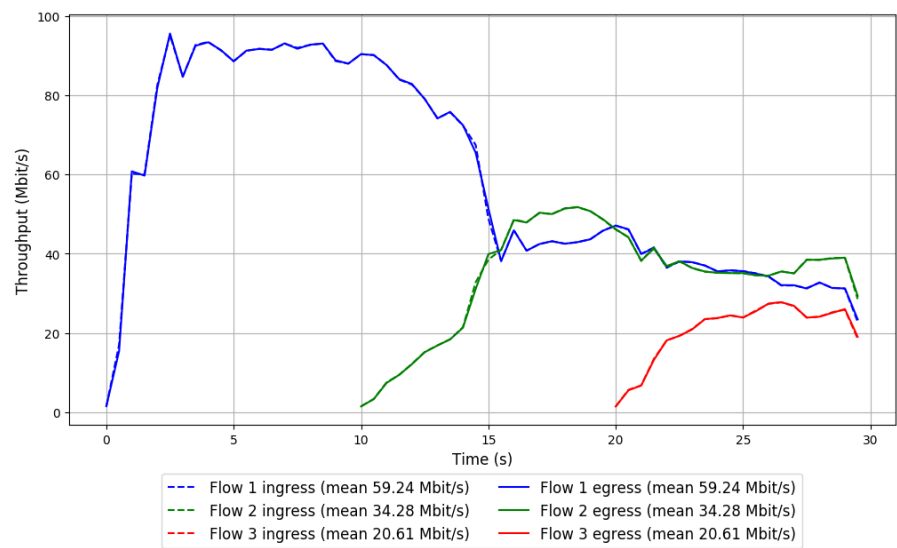


Run 6: Statistics of Vivace-latency

Start at: 2018-04-03 22:32:17
End at: 2018-04-03 22:32:47
Local clock offset: 2.348 ms
Remote clock offset: -7.483 ms

Below is generated by plot.py at 2018-04-04 01:15:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 13.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 13.468 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.28 Mbit/s
95th percentile per-packet one-way delay: 13.866 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 12.265 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

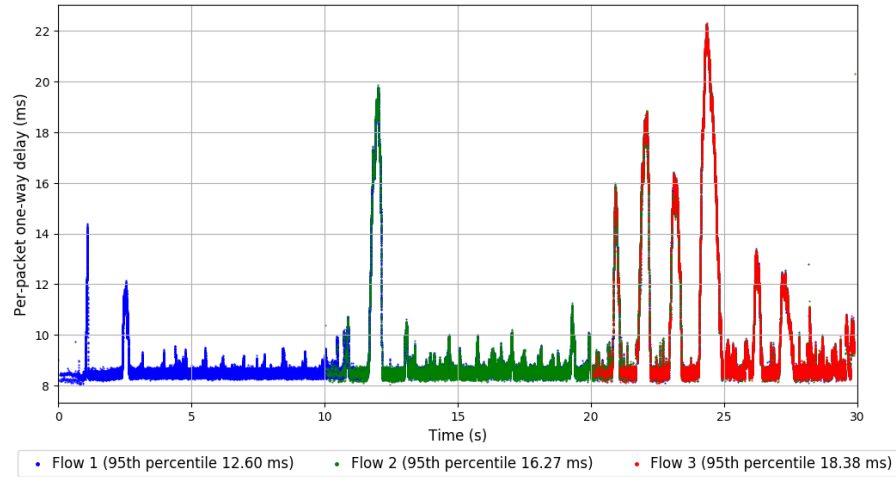
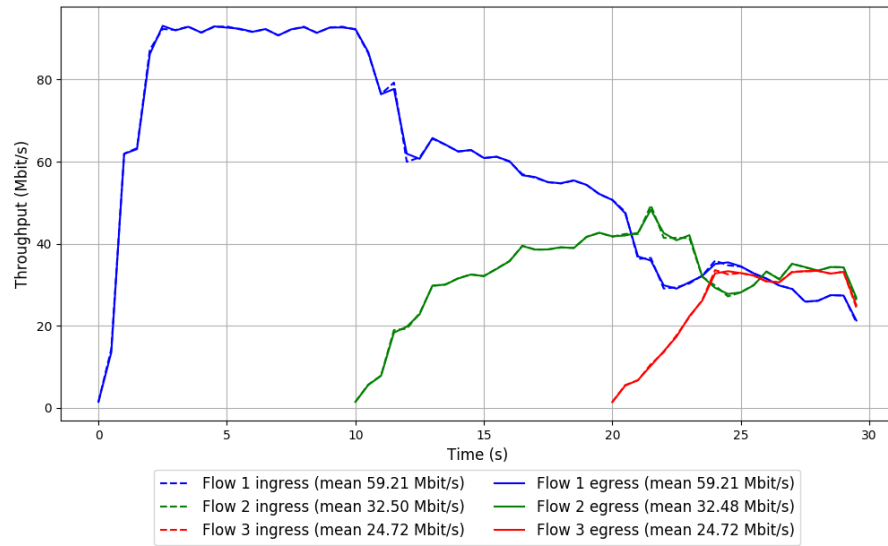


Run 7: Statistics of Vivace-latency

Start at: 2018-04-03 22:53:15
End at: 2018-04-03 22:53:45
Local clock offset: 3.599 ms
Remote clock offset: -8.899 ms

Below is generated by plot.py at 2018-04-04 01:15:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 15.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 12.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 16.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 18.381 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-04-03 23:14:03

End at: 2018-04-03 23:14:33

Local clock offset: 3.924 ms

Remote clock offset: 1.678 ms

Below is generated by plot.py at 2018-04-04 01:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.67 Mbit/s

95th percentile per-packet one-way delay: 11.858 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.51 Mbit/s

95th percentile per-packet one-way delay: 11.238 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 12.840 ms

Loss rate: 0.00%

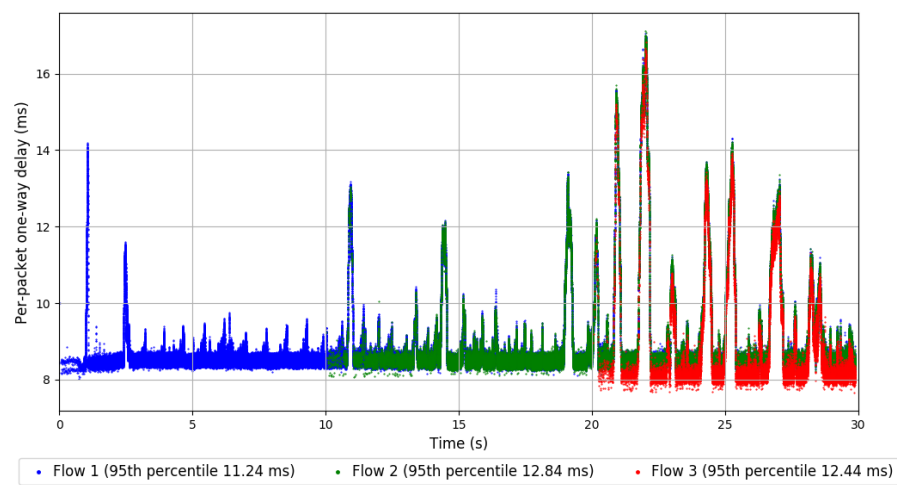
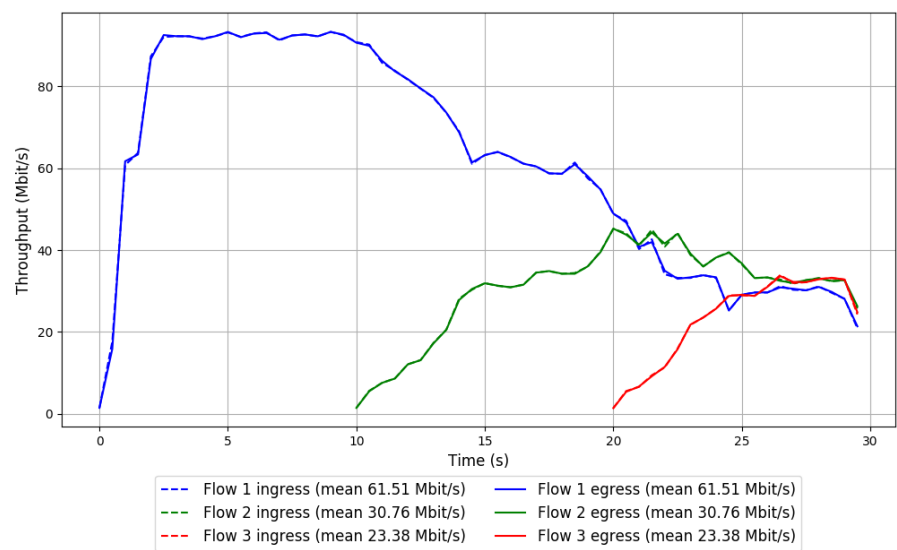
-- Flow 3:

Average throughput: 23.38 Mbit/s

95th percentile per-packet one-way delay: 12.442 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

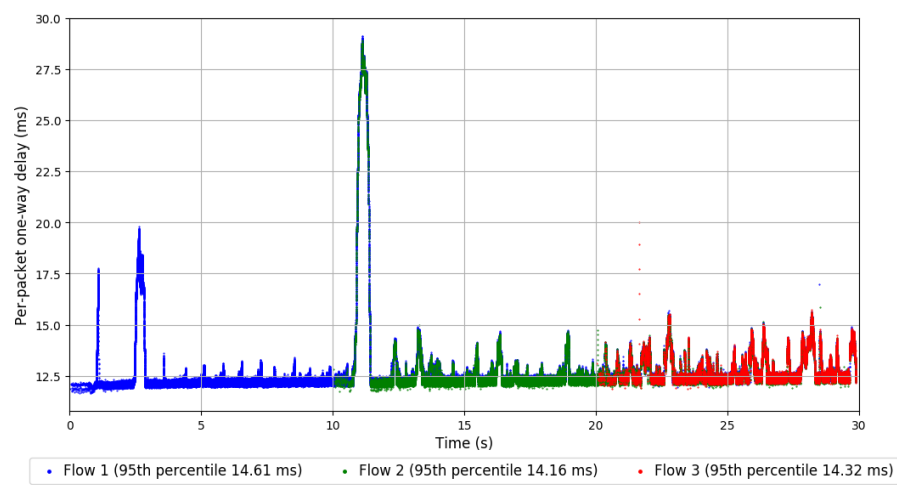
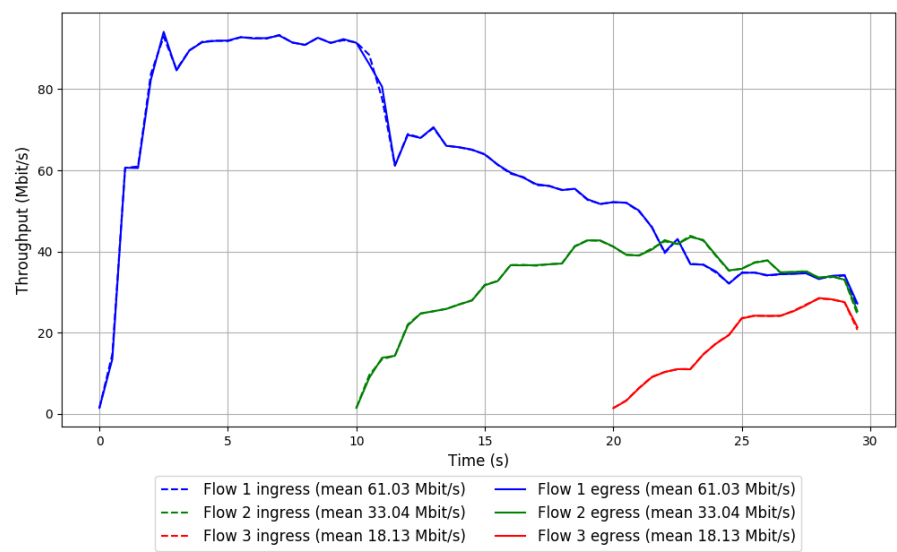


Run 9: Statistics of Vivace-latency

Start at: 2018-04-03 23:35:00
End at: 2018-04-03 23:35:30
Local clock offset: 1.11 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-04-04 01:15:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 14.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.03 Mbit/s
95th percentile per-packet one-way delay: 14.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 14.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 14.317 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

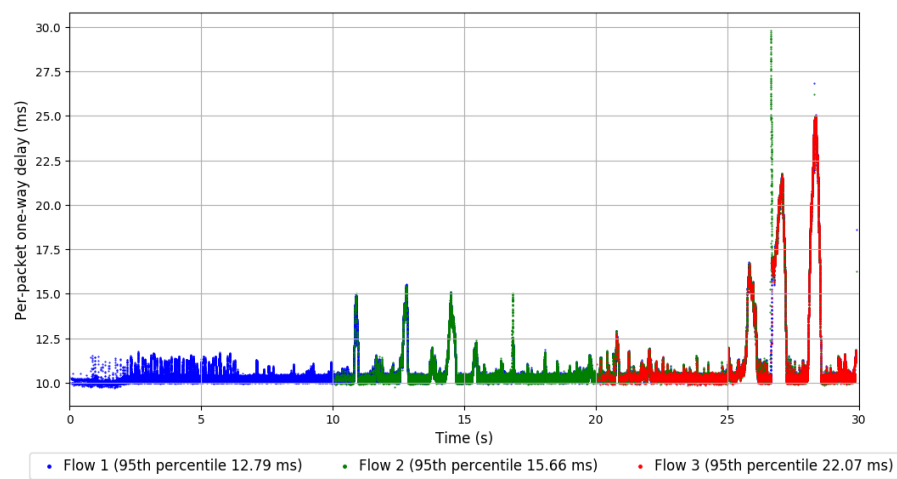
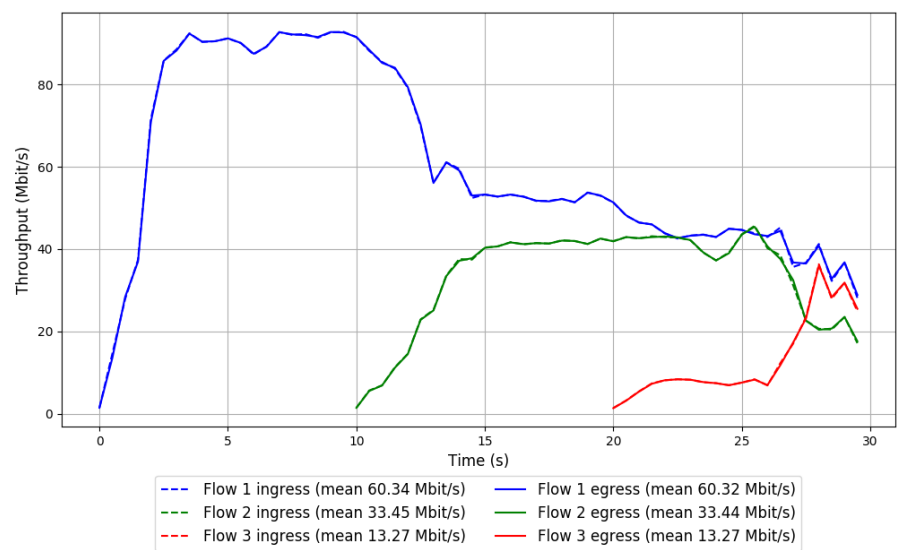


Run 10: Statistics of Vivace-latency

Start at: 2018-04-03 23:55:58
End at: 2018-04-03 23:56:28
Local clock offset: 4.741 ms
Remote clock offset: -3.049 ms

Below is generated by plot.py at 2018-04-04 01:15:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 14.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.32 Mbit/s
95th percentile per-packet one-way delay: 12.789 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 15.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 22.066 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 20:49:44

End at: 2018-04-03 20:50:14

Local clock offset: 1.073 ms

Remote clock offset: 2.156 ms

Below is generated by plot.py at 2018-04-04 01:16:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 45.947 ms

Loss rate: 13.45%

-- Flow 1:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 46.246 ms

Loss rate: 12.80%

-- Flow 2:

Average throughput: 32.58 Mbit/s

95th percentile per-packet one-way delay: 45.404 ms

Loss rate: 15.16%

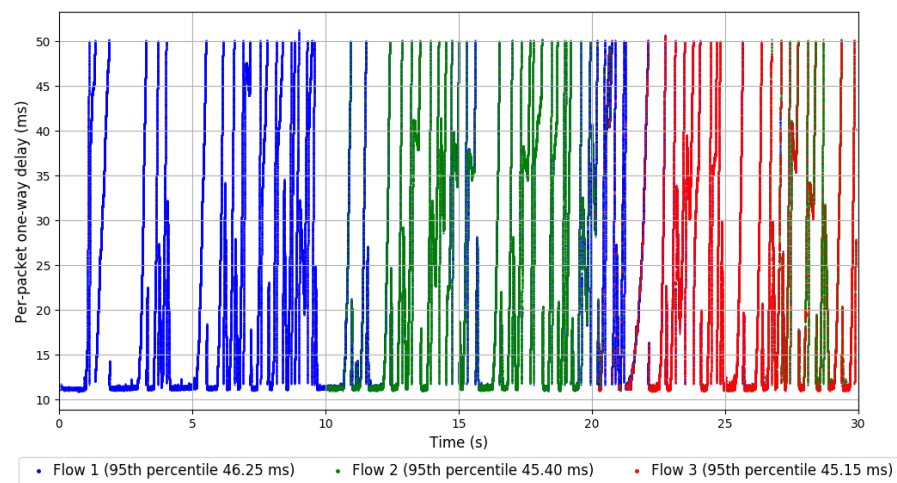
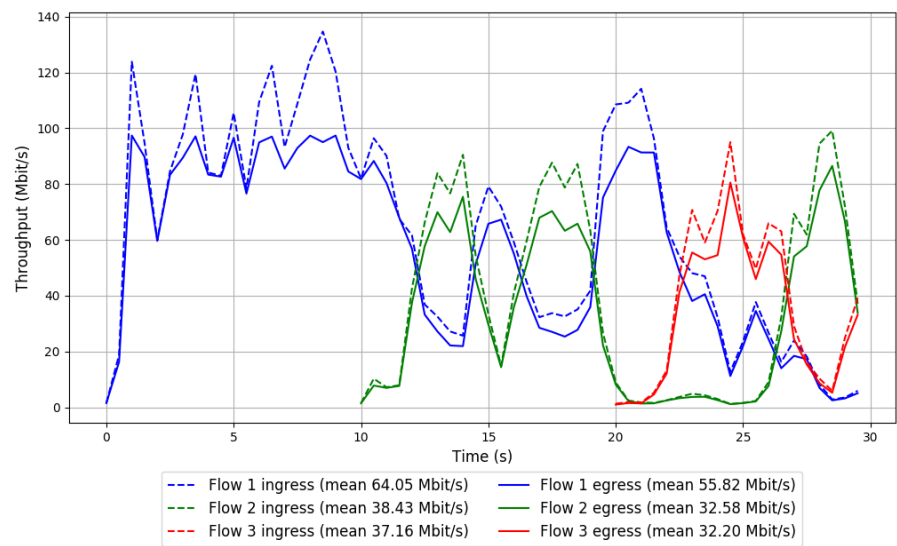
-- Flow 3:

Average throughput: 32.20 Mbit/s

95th percentile per-packet one-way delay: 45.149 ms

Loss rate: 13.29%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-04-03 21:10:43

End at: 2018-04-03 21:11:13

Local clock offset: 2.066 ms

Remote clock offset: 3.309 ms

Below is generated by plot.py at 2018-04-04 01:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 44.800 ms

Loss rate: 12.47%

-- Flow 1:

Average throughput: 57.38 Mbit/s

95th percentile per-packet one-way delay: 44.220 ms

Loss rate: 10.95%

-- Flow 2:

Average throughput: 25.79 Mbit/s

95th percentile per-packet one-way delay: 45.417 ms

Loss rate: 14.45%

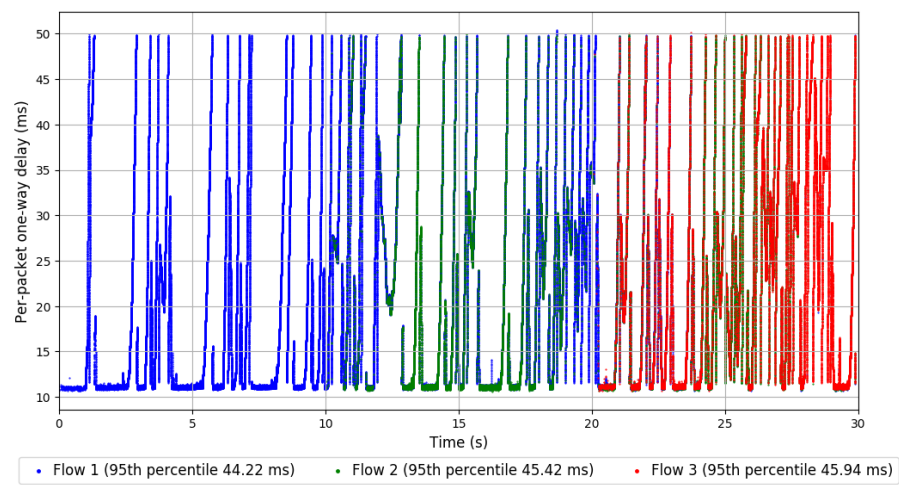
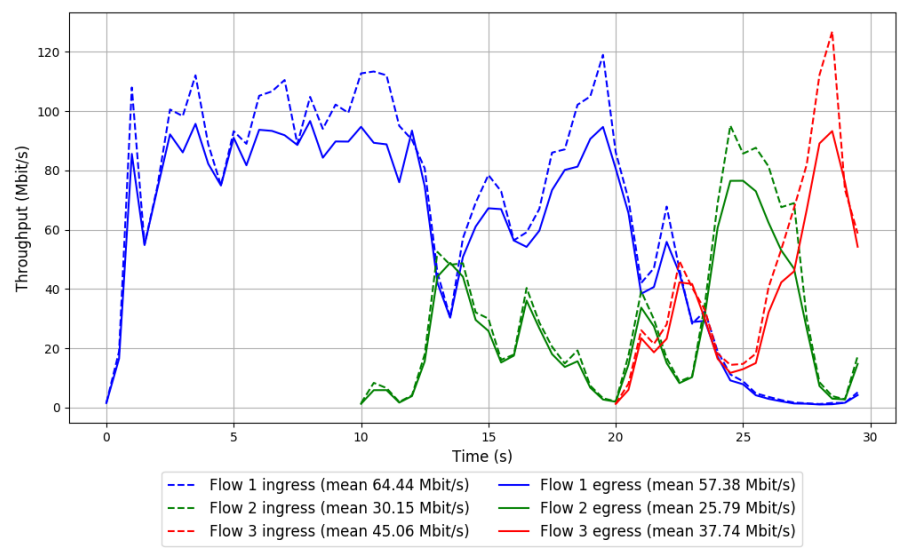
-- Flow 3:

Average throughput: 37.74 Mbit/s

95th percentile per-packet one-way delay: 45.939 ms

Loss rate: 16.42%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 21:31:45

End at: 2018-04-03 21:32:15

Local clock offset: 1.994 ms

Remote clock offset: 3.335 ms

Below is generated by plot.py at 2018-04-04 01:16:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.73 Mbit/s

95th percentile per-packet one-way delay: 44.370 ms

Loss rate: 15.31%

-- Flow 1:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 44.704 ms

Loss rate: 16.81%

-- Flow 2:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 43.745 ms

Loss rate: 12.65%

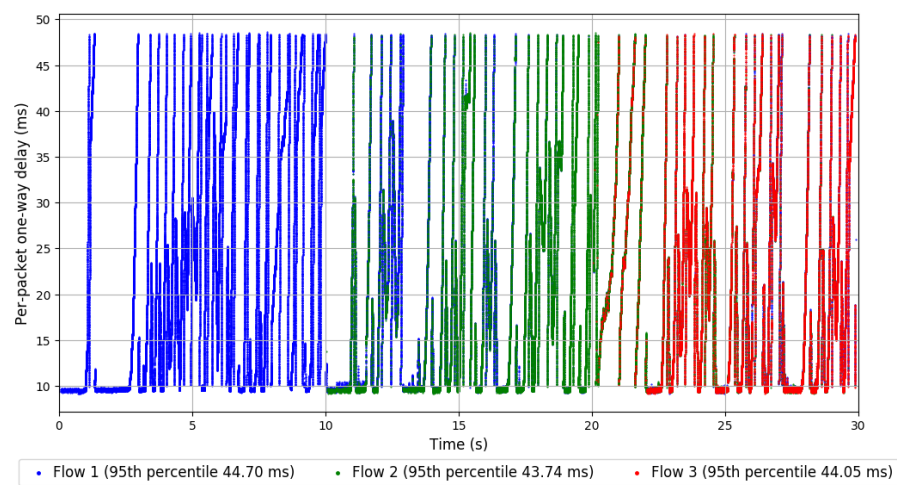
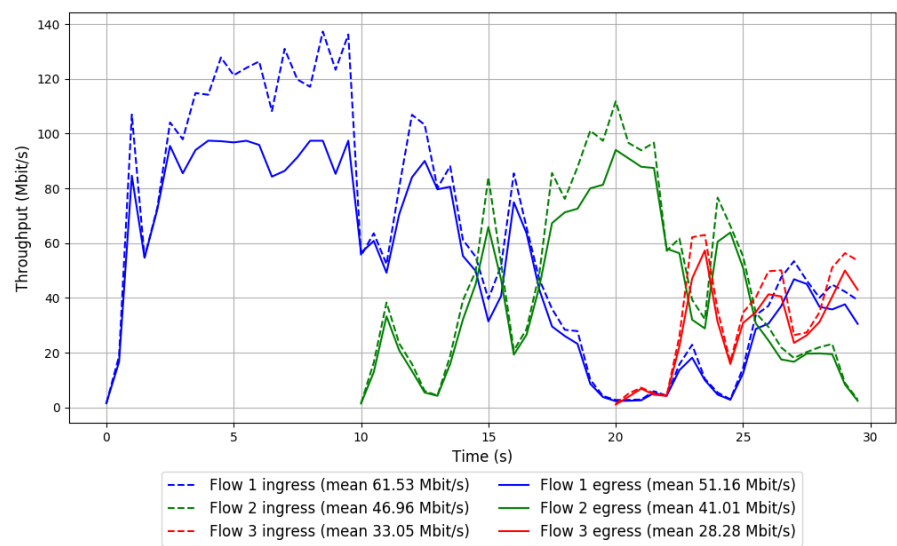
-- Flow 3:

Average throughput: 28.28 Mbit/s

95th percentile per-packet one-way delay: 44.050 ms

Loss rate: 14.45%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-04-03 21:52:45

End at: 2018-04-03 21:53:15

Local clock offset: 5.715 ms

Remote clock offset: 0.681 ms

Below is generated by plot.py at 2018-04-04 01:16:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.52 Mbit/s

95th percentile per-packet one-way delay: 41.663 ms

Loss rate: 10.60%

-- Flow 1:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 41.521 ms

Loss rate: 9.44%

-- Flow 2:

Average throughput: 26.01 Mbit/s

95th percentile per-packet one-way delay: 41.742 ms

Loss rate: 11.96%

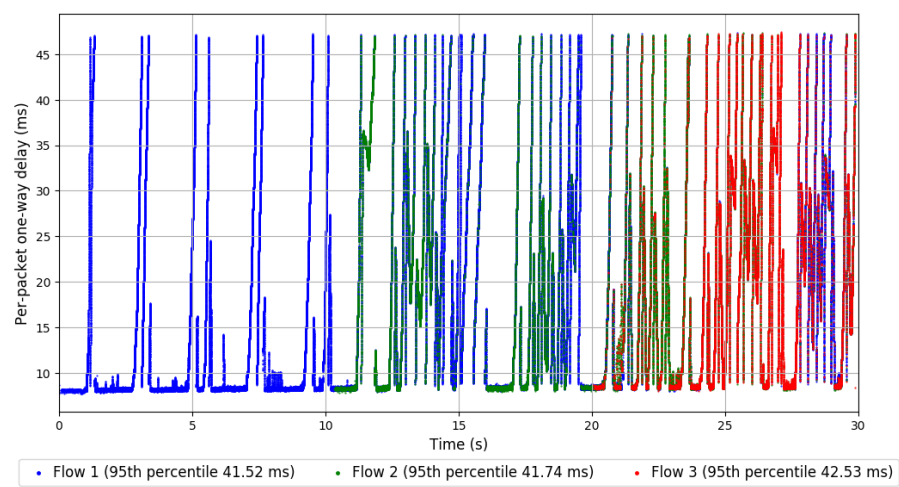
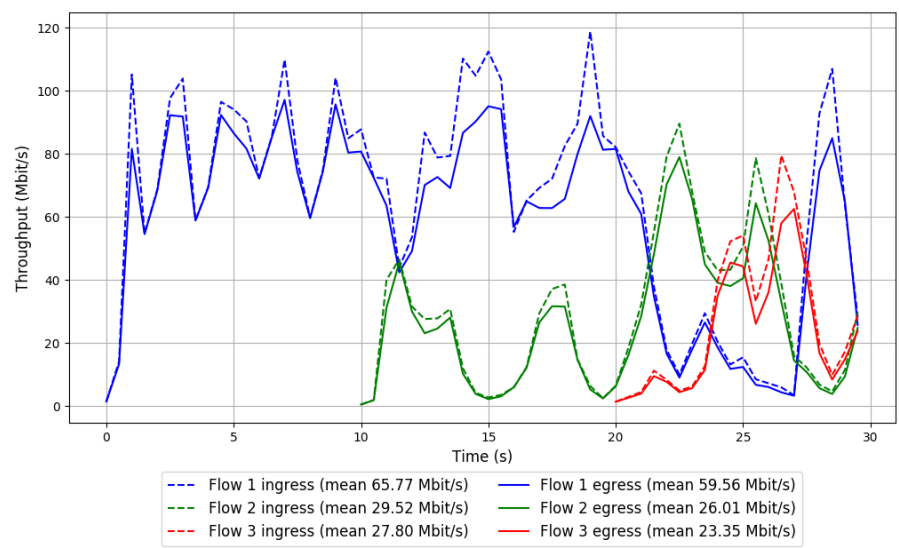
-- Flow 3:

Average throughput: 23.35 Mbit/s

95th percentile per-packet one-way delay: 42.526 ms

Loss rate: 16.02%

Run 4: Report of Vivace-loss — Data Link

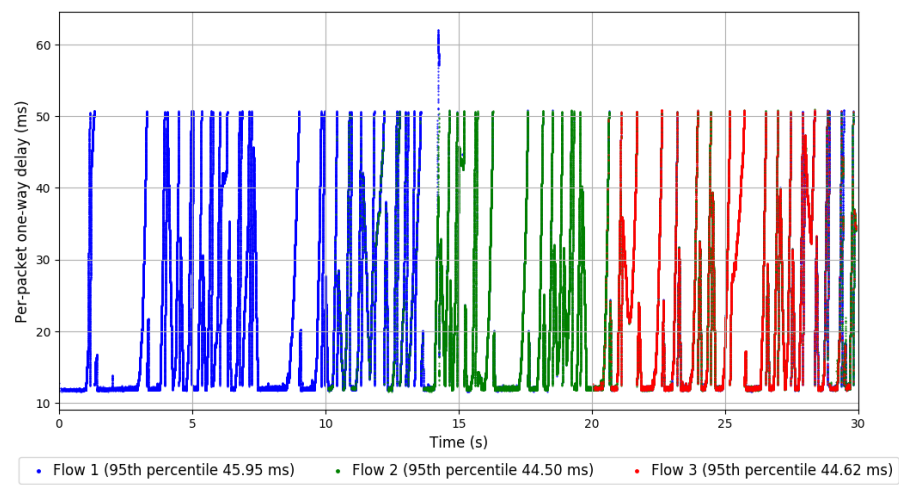
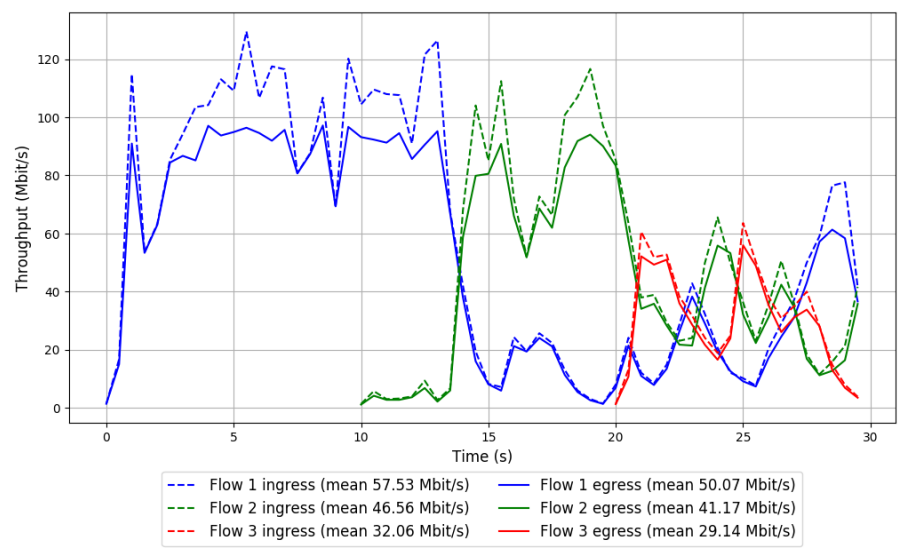


Run 5: Statistics of Vivace-loss

Start at: 2018-04-03 22:13:42
End at: 2018-04-03 22:14:12
Local clock offset: 1.939 ms
Remote clock offset: -5.867 ms

Below is generated by plot.py at 2018-04-04 01:16:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 45.385 ms
Loss rate: 12.04%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 45.953 ms
Loss rate: 12.90%
-- Flow 2:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 44.497 ms
Loss rate: 11.51%
-- Flow 3:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 44.618 ms
Loss rate: 8.90%

Run 5: Report of Vivace-loss — Data Link

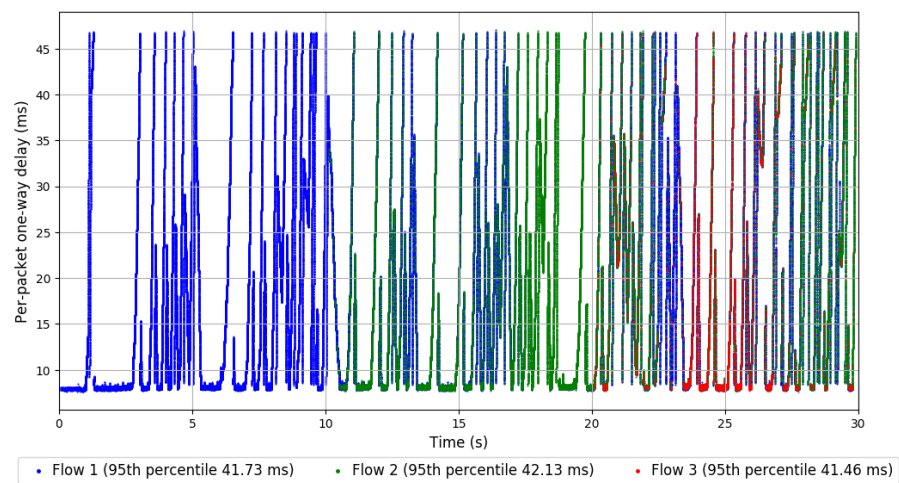
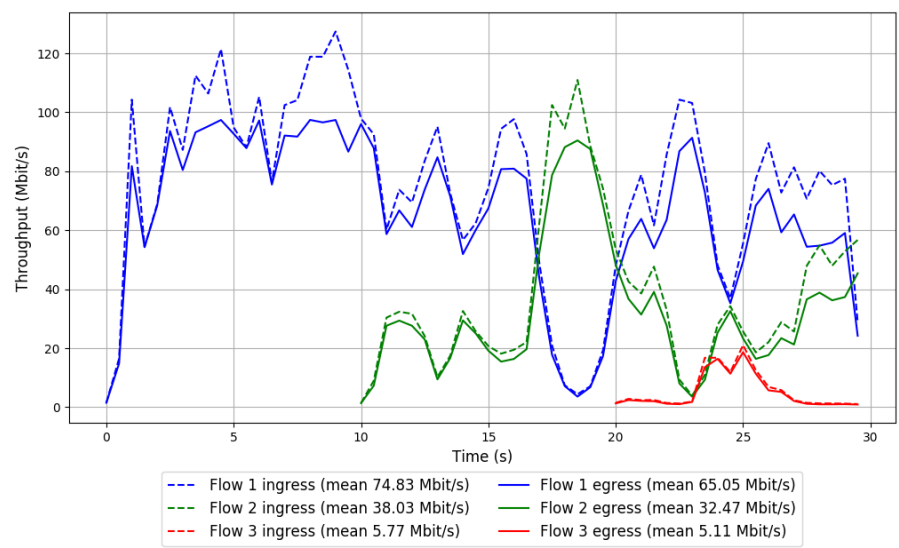


Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 22:34:40
End at: 2018-04-03 22:35:10
Local clock offset: 4.211 ms
Remote clock offset: -7.955 ms

Below is generated by plot.py at 2018-04-04 01:16:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 41.828 ms
Loss rate: 13.36%
-- Flow 1:
Average throughput: 65.05 Mbit/s
95th percentile per-packet one-way delay: 41.731 ms
Loss rate: 13.01%
-- Flow 2:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 42.134 ms
Loss rate: 14.55%
-- Flow 3:
Average throughput: 5.11 Mbit/s
95th percentile per-packet one-way delay: 41.464 ms
Loss rate: 11.29%

Run 6: Report of Vivace-loss — Data Link

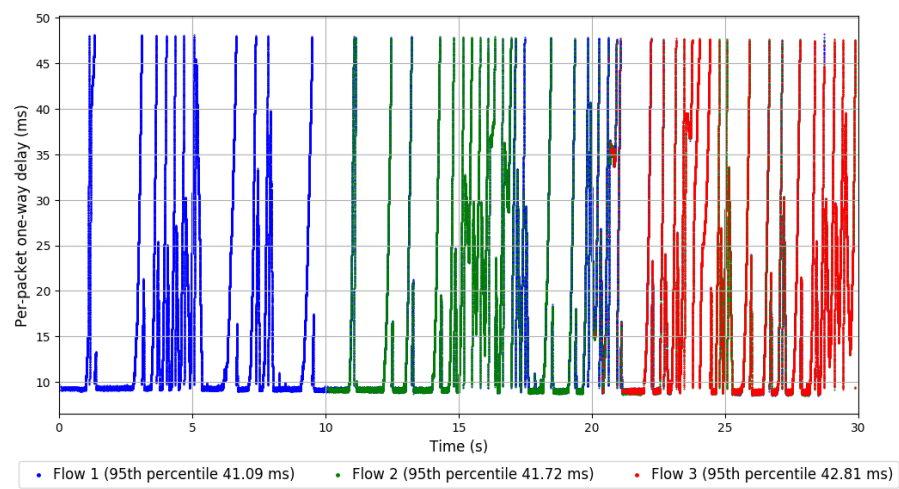
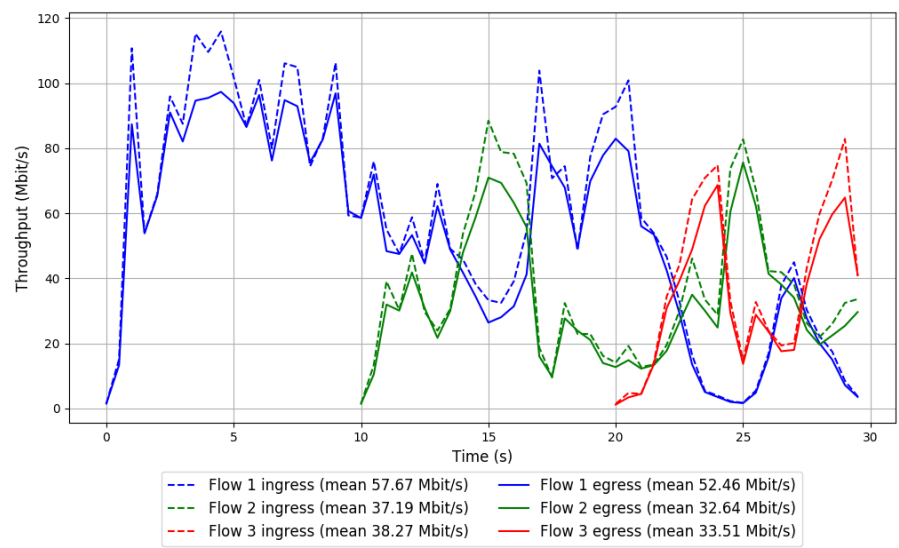


Run 7: Statistics of Vivace-loss

Start at: 2018-04-03 22:55:38
End at: 2018-04-03 22:56:08
Local clock offset: 1.62 ms
Remote clock offset: -9.528 ms

Below is generated by plot.py at 2018-04-04 01:16:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 41.564 ms
Loss rate: 10.32%
-- Flow 1:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 41.087 ms
Loss rate: 9.02%
-- Flow 2:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 41.718 ms
Loss rate: 12.23%
-- Flow 3:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 42.813 ms
Loss rate: 12.50%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-04-03 23:16:25

End at: 2018-04-03 23:16:55

Local clock offset: 3.072 ms

Remote clock offset: 1.798 ms

Below is generated by plot.py at 2018-04-04 01:16:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.41 Mbit/s

95th percentile per-packet one-way delay: 41.657 ms

Loss rate: 11.07%

-- Flow 1:

Average throughput: 48.31 Mbit/s

95th percentile per-packet one-way delay: 42.243 ms

Loss rate: 12.26%

-- Flow 2:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 41.034 ms

Loss rate: 9.24%

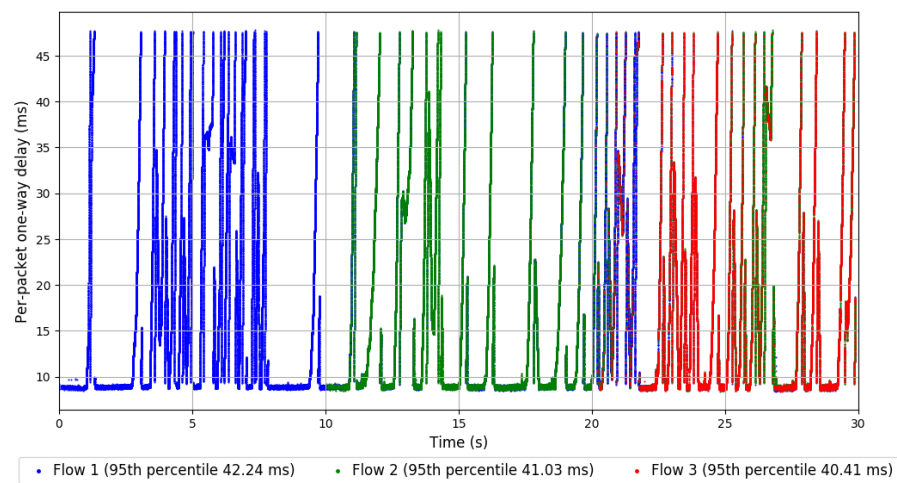
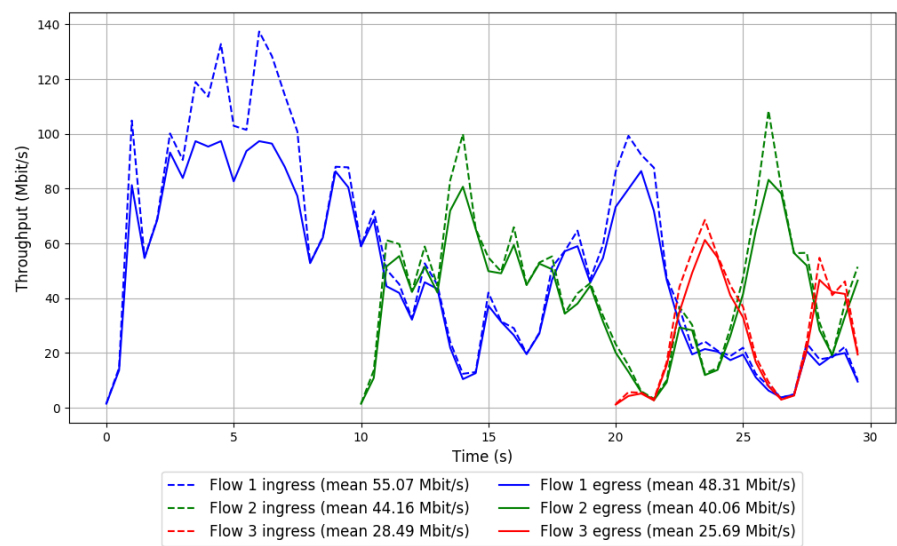
-- Flow 3:

Average throughput: 25.69 Mbit/s

95th percentile per-packet one-way delay: 40.409 ms

Loss rate: 9.78%

Run 8: Report of Vivace-loss — Data Link

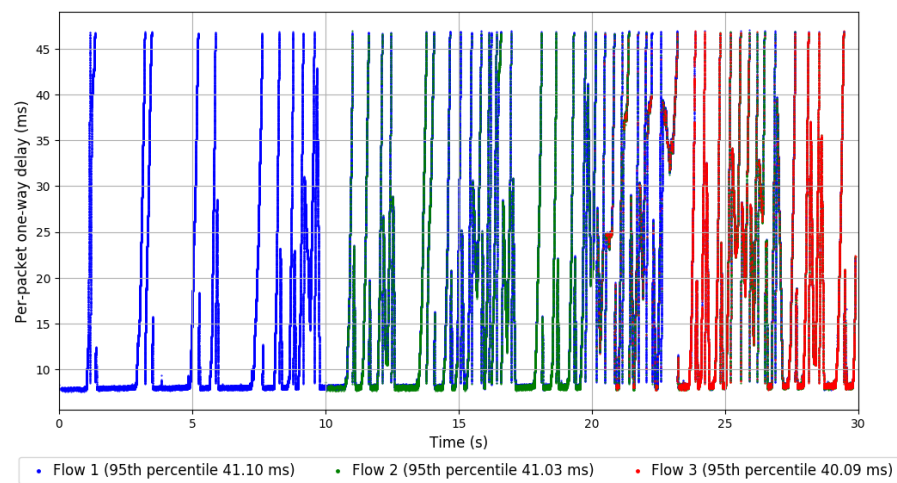
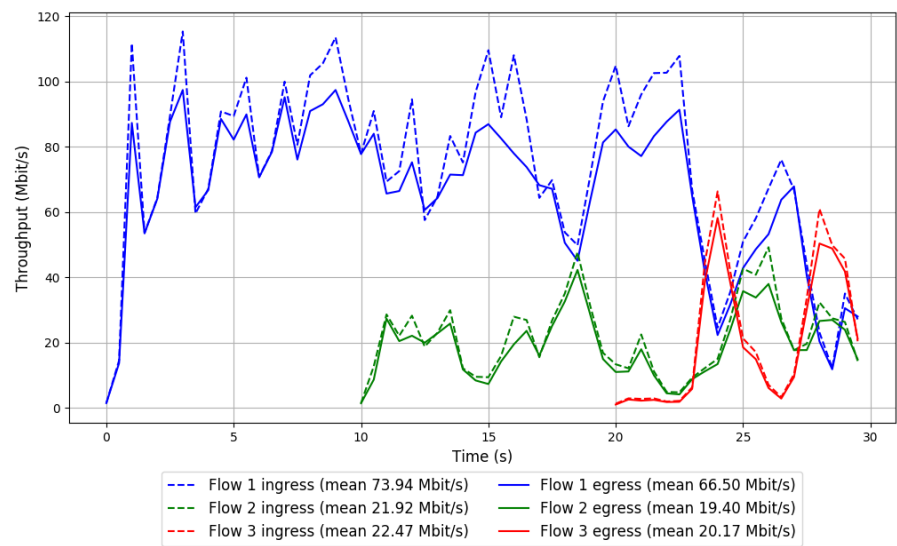


Run 9: Statistics of Vivace-loss

Start at: 2018-04-03 23:37:23
End at: 2018-04-03 23:37:53
Local clock offset: 5.416 ms
Remote clock offset: -0.939 ms

Below is generated by plot.py at 2018-04-04 01:17:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 41.023 ms
Loss rate: 10.25%
-- Flow 1:
Average throughput: 66.50 Mbit/s
95th percentile per-packet one-way delay: 41.101 ms
Loss rate: 10.02%
-- Flow 2:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 41.027 ms
Loss rate: 11.43%
-- Flow 3:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 40.092 ms
Loss rate: 10.22%

Run 9: Report of Vivace-loss — Data Link

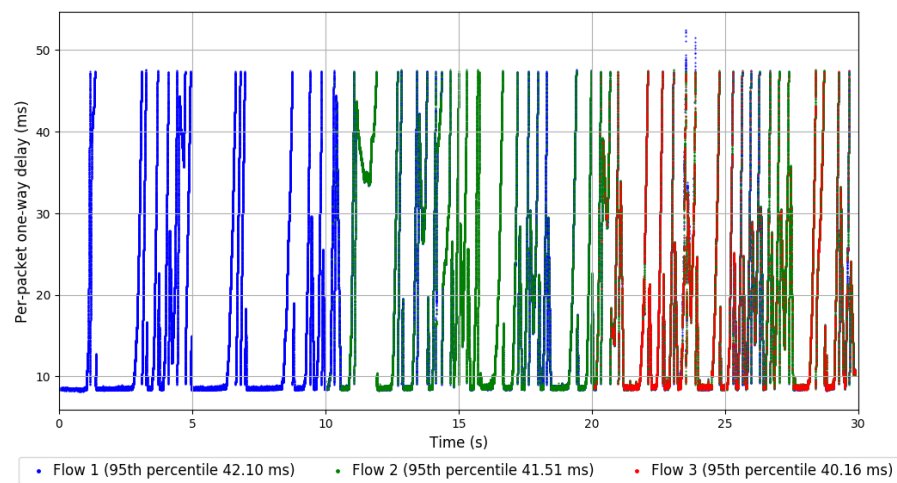
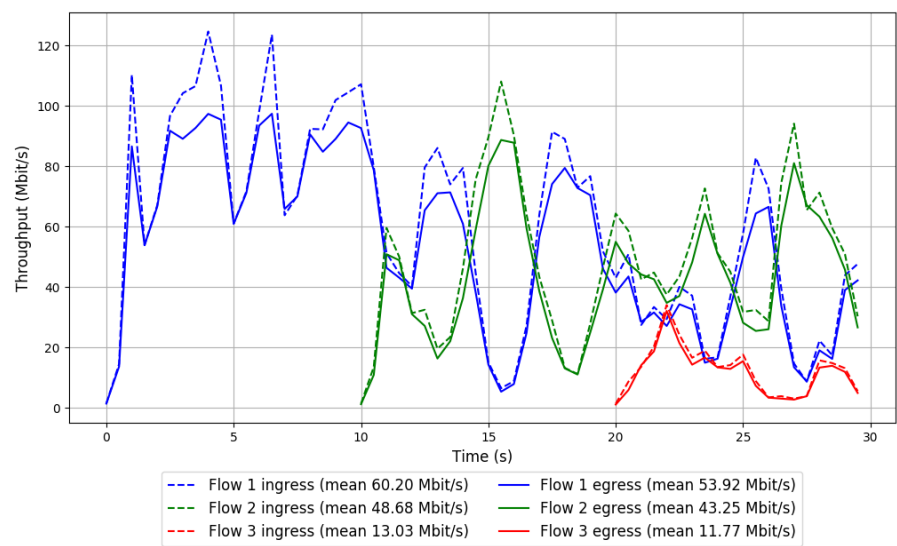


Run 10: Statistics of Vivace-loss

Start at: 2018-04-03 23:58:20
End at: 2018-04-03 23:58:50
Local clock offset: 5.789 ms
Remote clock offset: -3.926 ms

Below is generated by plot.py at 2018-04-04 01:17:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 41.853 ms
Loss rate: 10.65%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 42.102 ms
Loss rate: 10.44%
-- Flow 2:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 41.506 ms
Loss rate: 11.16%
-- Flow 3:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 40.158 ms
Loss rate: 9.69%

Run 10: Report of Vivace-loss — Data Link

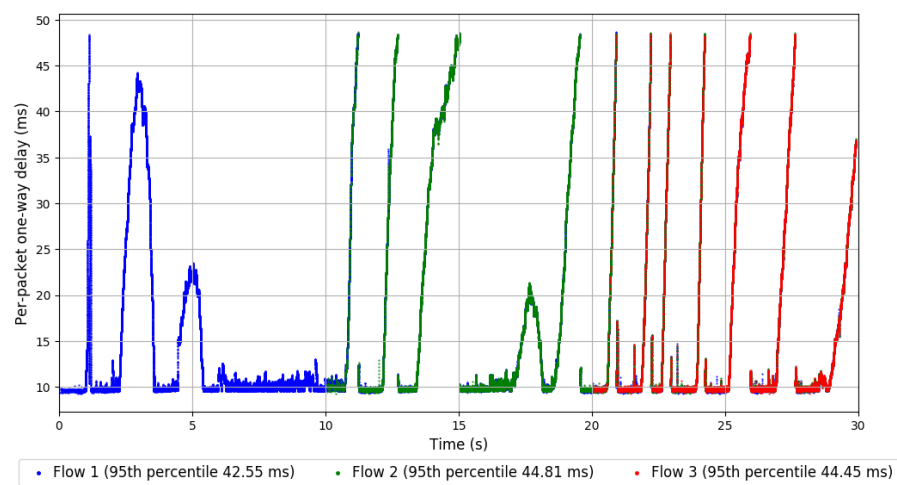
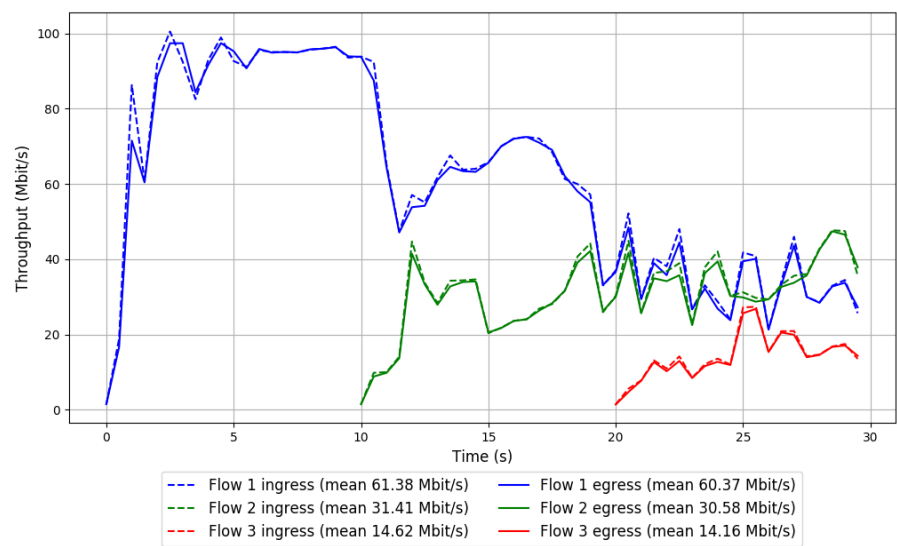


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-04-03 21:04:56
End at: 2018-04-03 21:05:26
Local clock offset: 2.483 ms
Remote clock offset: 2.336 ms

# Below is generated by plot.py at 2018-04-04 01:17:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 43.111 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 60.37 Mbit/s
95th percentile per-packet one-way delay: 42.553 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 44.814 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 44.446 ms
Loss rate: 2.92%
```

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-04-03 21:25:58

End at: 2018-04-03 21:26:28

Local clock offset: 5.411 ms

Remote clock offset: 5.215 ms

Below is generated by plot.py at 2018-04-04 01:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.97 Mbit/s

95th percentile per-packet one-way delay: 41.597 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 40.733 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 32.25 Mbit/s

95th percentile per-packet one-way delay: 42.516 ms

Loss rate: 2.03%

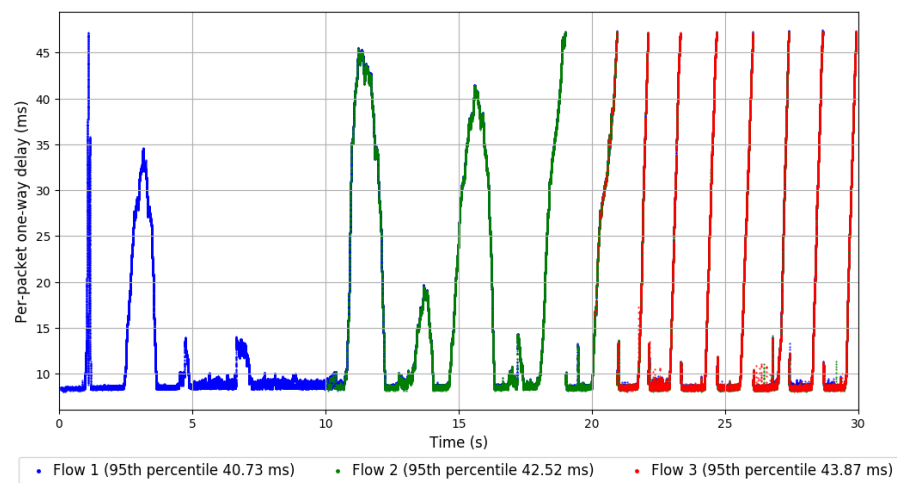
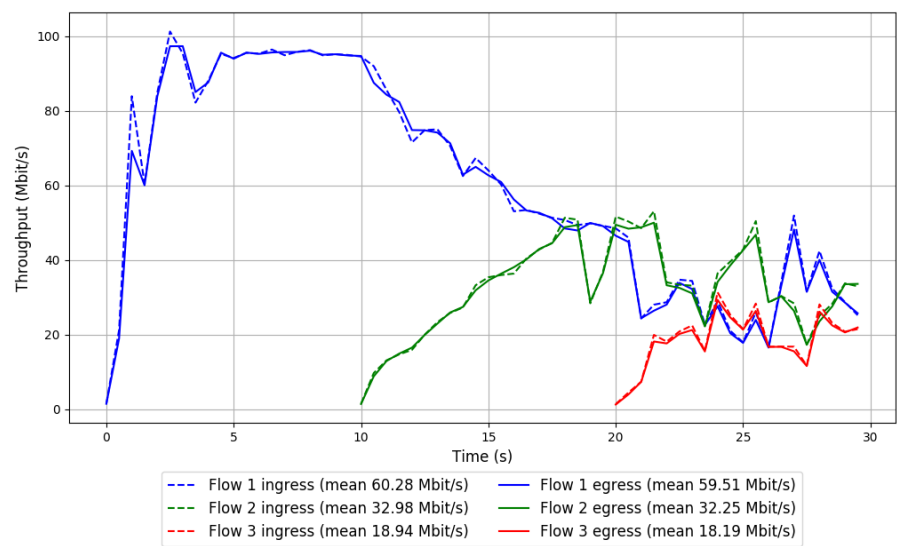
-- Flow 3:

Average throughput: 18.19 Mbit/s

95th percentile per-packet one-way delay: 43.869 ms

Loss rate: 3.64%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-04-03 21:46:57

End at: 2018-04-03 21:47:27

Local clock offset: 2.822 ms

Remote clock offset: 6.651 ms

Below is generated by plot.py at 2018-04-04 01:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 42.958 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 38.941 ms

Loss rate: 1.91%

-- Flow 2:

Average throughput: 35.36 Mbit/s

95th percentile per-packet one-way delay: 45.373 ms

Loss rate: 3.10%

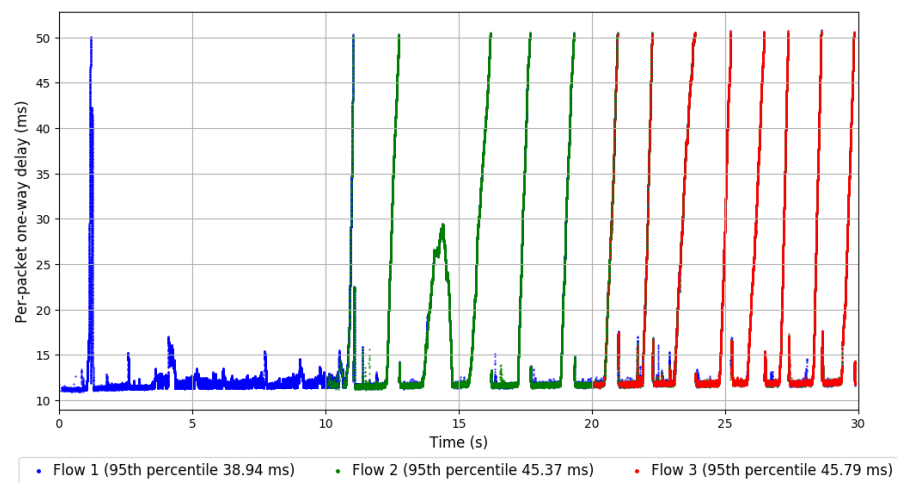
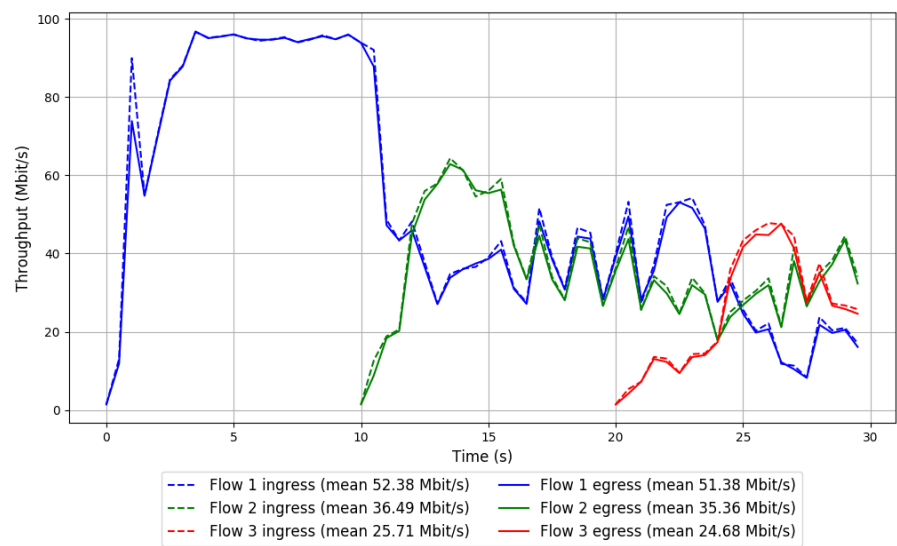
-- Flow 3:

Average throughput: 24.68 Mbit/s

95th percentile per-packet one-way delay: 45.786 ms

Loss rate: 4.01%

Run 3: Report of Vivace-LTE — Data Link

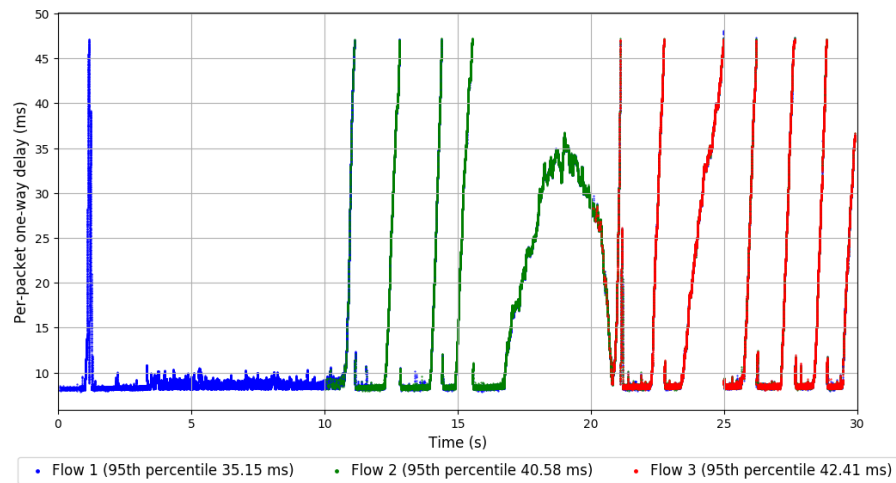
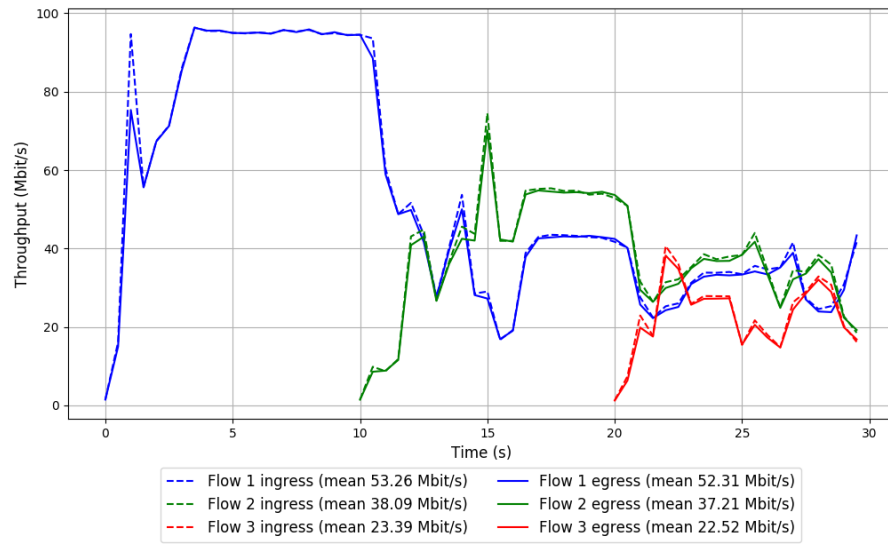


Run 4: Statistics of Vivace-LTE

Start at: 2018-04-03 22:07:54
End at: 2018-04-03 22:08:24
Local clock offset: 4.912 ms
Remote clock offset: -5.423 ms

Below is generated by plot.py at 2018-04-04 01:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 38.870 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 52.31 Mbit/s
95th percentile per-packet one-way delay: 35.147 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 40.580 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 42.407 ms
Loss rate: 3.61%

Run 4: Report of Vivace-LTE — Data Link

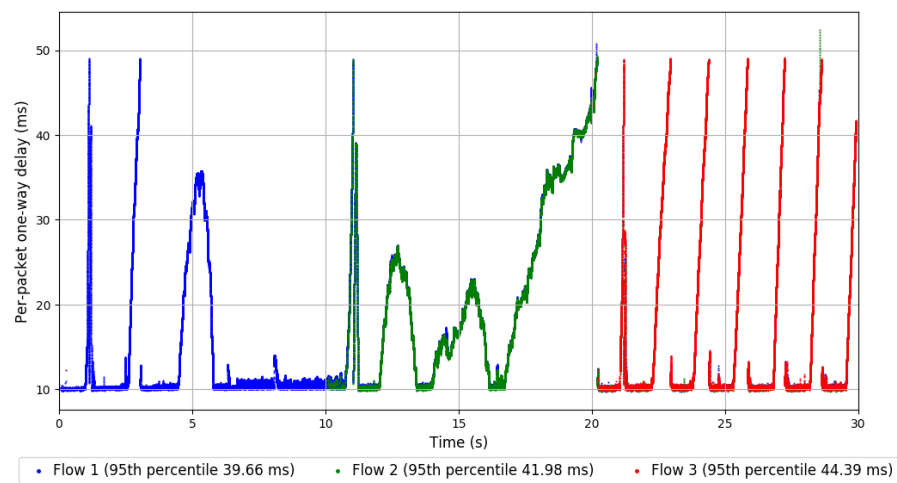
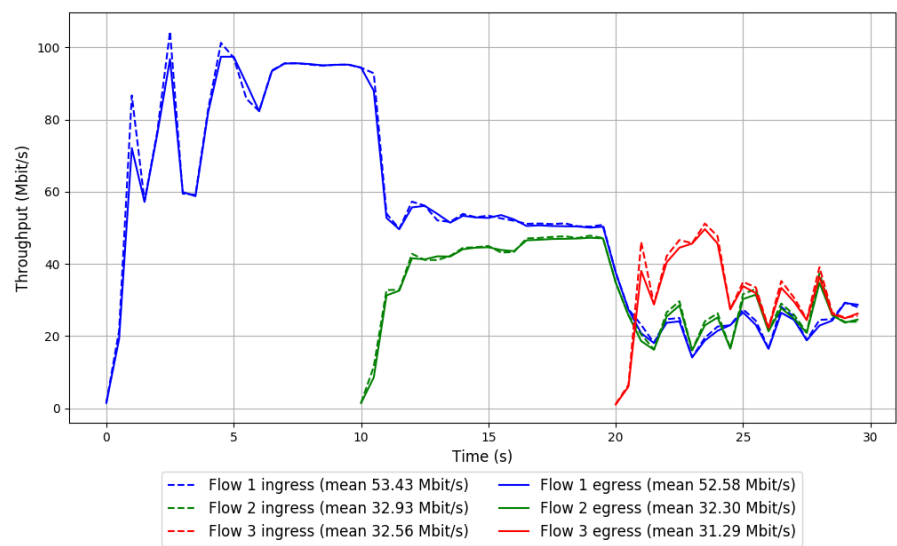


Run 5: Statistics of Vivace-LTE

Start at: 2018-04-03 22:28:52
End at: 2018-04-03 22:29:22
Local clock offset: 2.45 ms
Remote clock offset: -7.296 ms

Below is generated by plot.py at 2018-04-04 01:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 40.463 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 39.662 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 41.980 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 44.386 ms
Loss rate: 3.92%

Run 5: Report of Vivace-LTE — Data Link

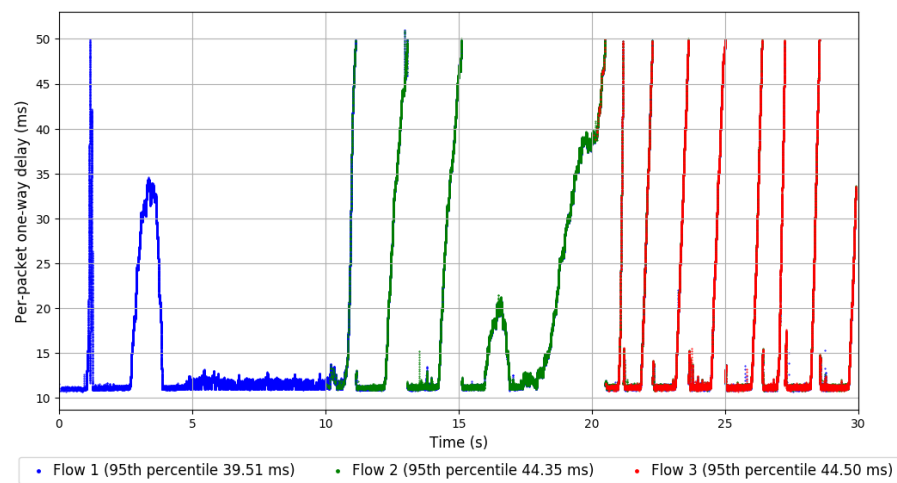
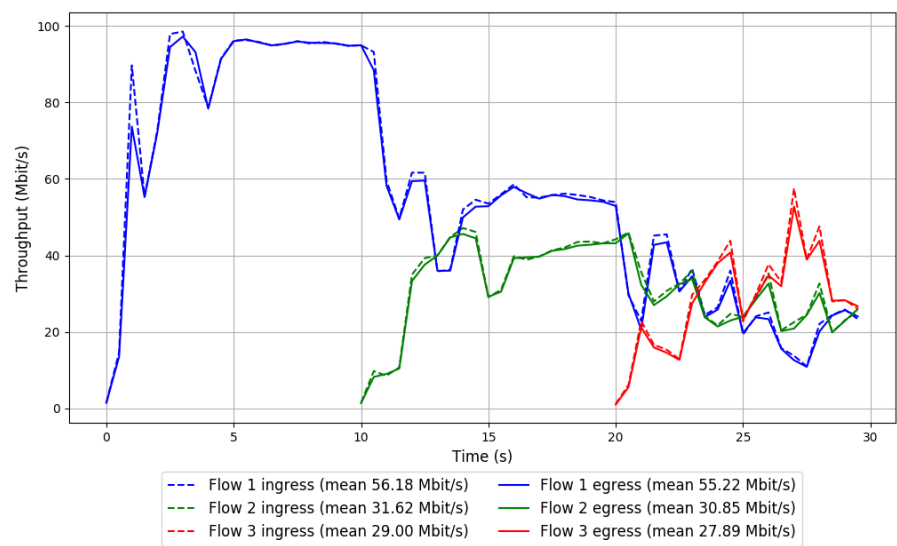


Run 6: Statistics of Vivace-LTE

Start at: 2018-04-03 22:49:49
End at: 2018-04-03 22:50:19
Local clock offset: 1.412 ms
Remote clock offset: -8.312 ms

Below is generated by plot.py at 2018-04-04 01:18:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.91 Mbit/s
95th percentile per-packet one-way delay: 42.045 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 55.22 Mbit/s
95th percentile per-packet one-way delay: 39.512 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 44.347 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 44.496 ms
Loss rate: 3.91%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-04-03 23:10:37

End at: 2018-04-03 23:11:07

Local clock offset: 1.441 ms

Remote clock offset: 0.973 ms

Below is generated by plot.py at 2018-04-04 01:18:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 42.127 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 40.829 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 29.59 Mbit/s

95th percentile per-packet one-way delay: 44.144 ms

Loss rate: 1.78%

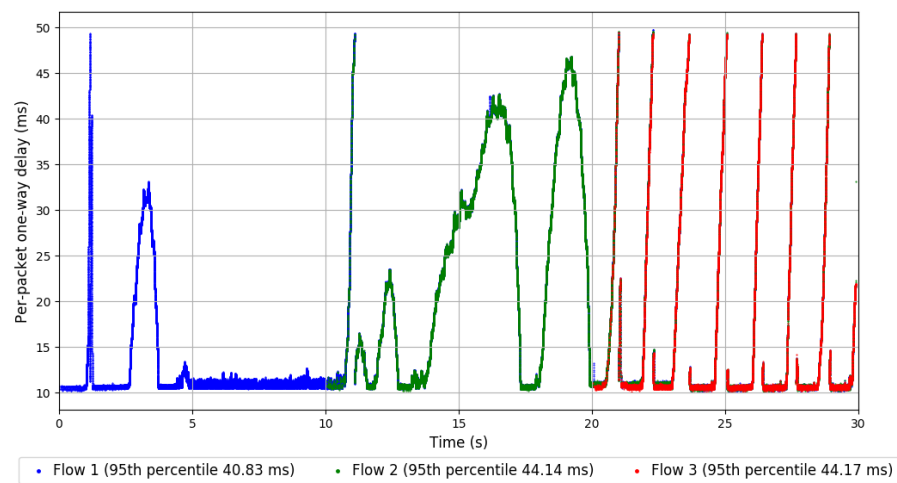
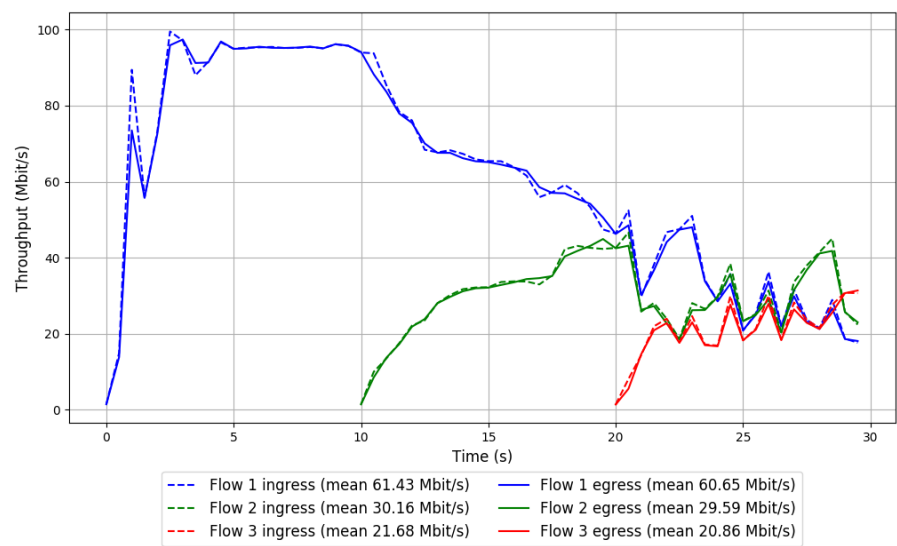
-- Flow 3:

Average throughput: 20.86 Mbit/s

95th percentile per-packet one-way delay: 44.175 ms

Loss rate: 3.68%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-04-03 23:31:35

End at: 2018-04-03 23:32:05

Local clock offset: 4.477 ms

Remote clock offset: 2.162 ms

Below is generated by plot.py at 2018-04-04 01:18:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.90 Mbit/s

95th percentile per-packet one-way delay: 41.003 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 49.21 Mbit/s

95th percentile per-packet one-way delay: 38.616 ms

Loss rate: 1.72%

-- Flow 2:

Average throughput: 39.87 Mbit/s

95th percentile per-packet one-way delay: 43.310 ms

Loss rate: 2.50%

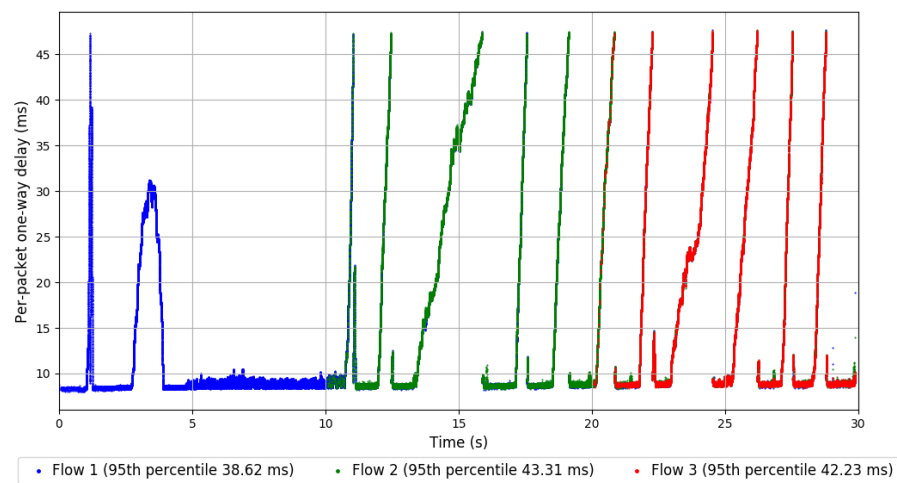
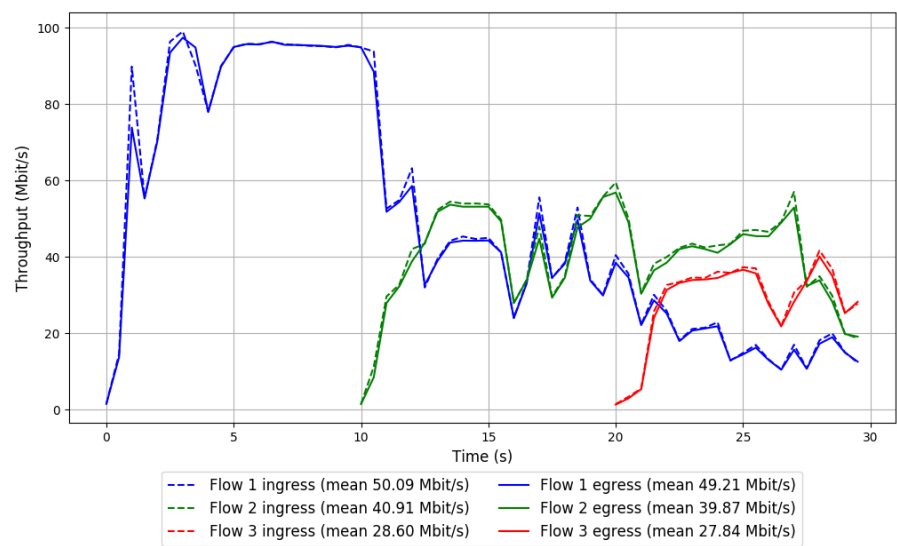
-- Flow 3:

Average throughput: 27.84 Mbit/s

95th percentile per-packet one-way delay: 42.233 ms

Loss rate: 2.63%

Run 8: Report of Vivace-LTE — Data Link

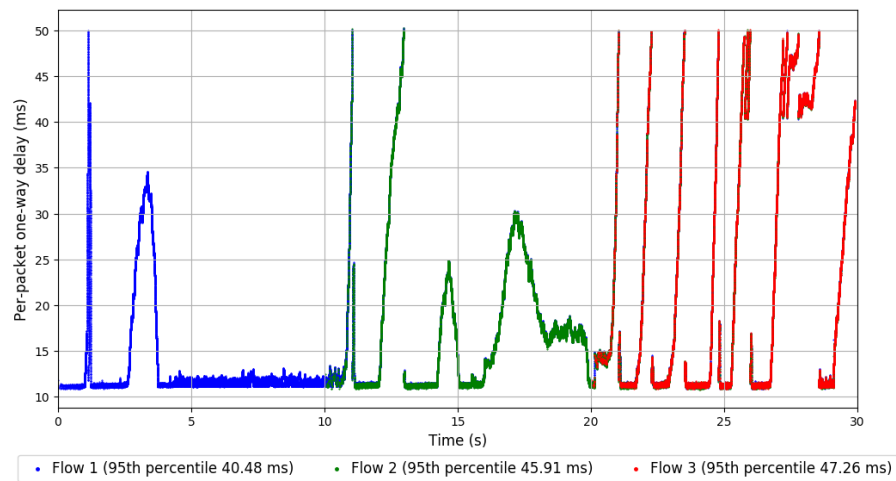
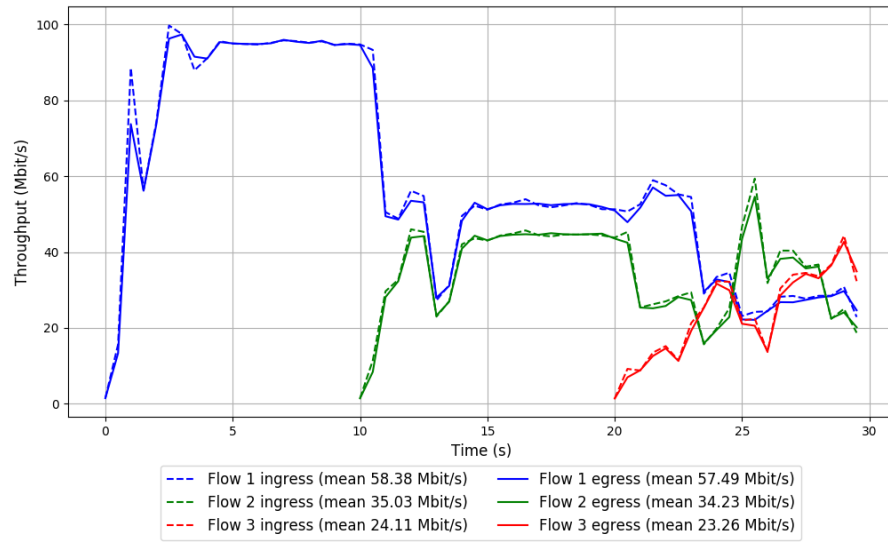


Run 9: Statistics of Vivace-LTE

Start at: 2018-04-03 23:52:33
End at: 2018-04-03 23:53:03
Local clock offset: 3.198 ms
Remote clock offset: -3.317 ms

Below is generated by plot.py at 2018-04-04 01:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 44.117 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 40.477 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 45.910 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 47.258 ms
Loss rate: 3.24%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-04 00:13:30
End at: 2018-04-04 00:14:00
Local clock offset: 3.399 ms
Remote clock offset: -2.505 ms

Below is generated by plot.py at 2018-04-04 01:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 43.581 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 51.35 Mbit/s
95th percentile per-packet one-way delay: 41.286 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 44.325 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 44.663 ms
Loss rate: 3.11%

Run 10: Report of Vivace-LTE — Data Link

