

Pantheon Report

Generated at 2018-02-13 20:42:31 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

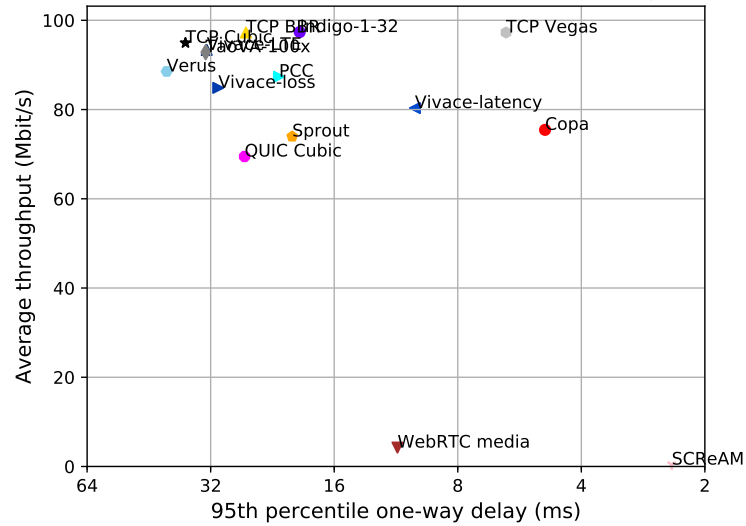
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

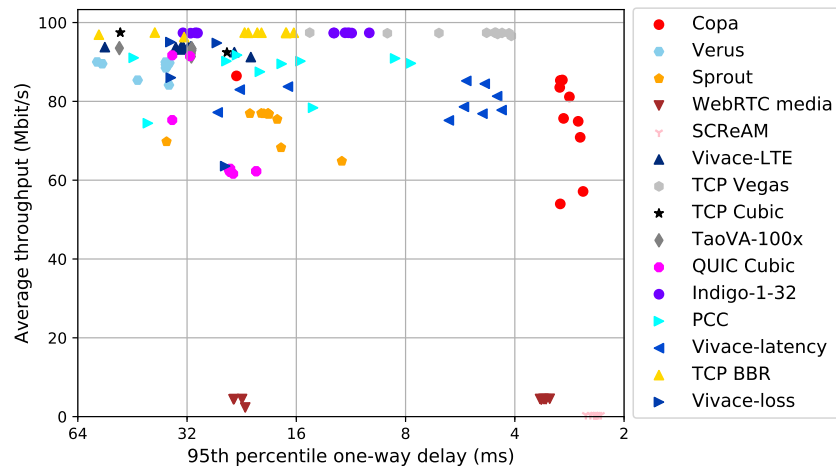
Git summary:

```
branch: master @ 2efdad57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



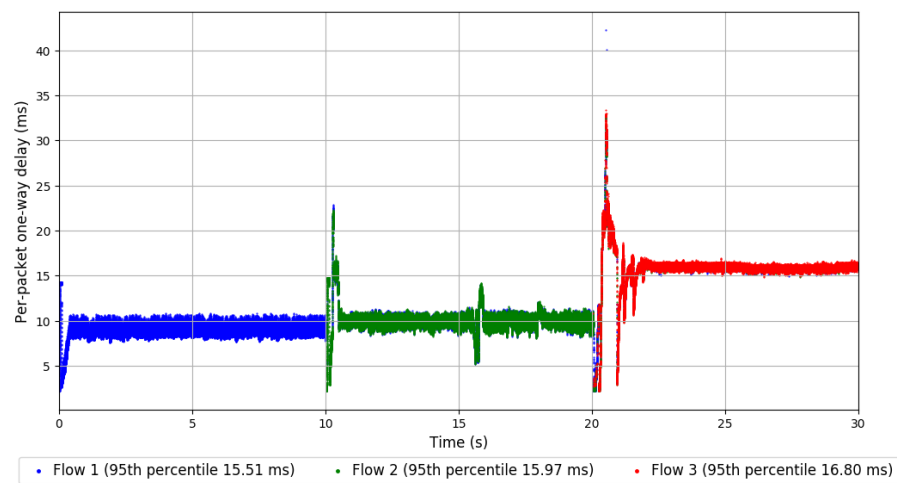
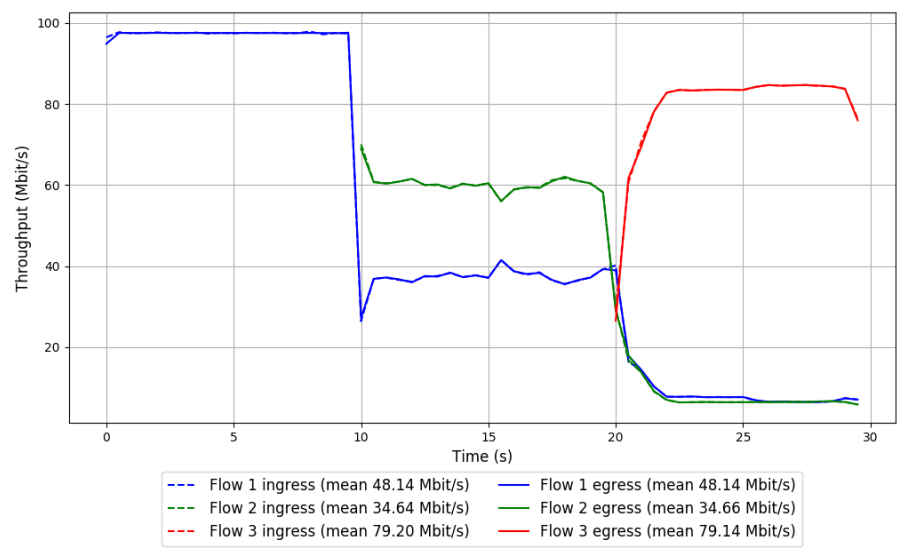
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.45	38.67	39.51	25.23	26.00	29.63	0.08	0.09	0.21
TCP Cubic	2	55.16	42.39	34.97	35.26	36.39	39.58	0.11	0.39	0.71
LEDBAT	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC	10	69.93	20.16	12.25	21.41	22.34	22.06	0.02	0.06	0.09
QUIC Cubic	10	15.76	63.84	36.54	11.78	26.40	26.69	0.03	0.11	0.33
SCReAM	10	0.21	0.22	0.22	2.41	2.41	2.41	0.02	0.00	0.00
WebRTC media	10	2.13	1.48	0.64	11.26	11.18	11.37	0.02	0.04	0.08
Sprout	10	43.87	31.73	27.31	19.25	20.45	21.54	0.04	0.08	0.15
TaoVA-100x	10	56.45	38.89	31.81	32.35	32.92	33.00	0.06	0.20	0.44
TCP Vegas	10	52.07	46.39	43.19	7.63	5.48	4.50	0.01	0.02	0.06
Verus	10	51.22	40.55	31.66	39.80	40.97	41.42	0.08	0.14	0.41
Copa	10	44.43	29.24	34.91	4.75	4.89	5.15	0.02	0.03	0.06
FillP	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indigo-1-32	10	48.43	42.79	63.24	18.09	19.50	20.43	0.02	0.04	0.13
Vivace-latency	10	54.82	28.45	20.07	9.29	12.22	13.95	0.01	0.03	0.08
Vivace-loss	4	47.36	38.67	35.94	30.02	30.76	30.94	0.50	1.28	0.54
Vivace-LTE	10	63.97	30.48	27.80	30.94	33.42	34.26	0.06	0.14	0.35

Run 1: Statistics of TCP BBR

Start at: 2018-02-13 13:37:55
End at: 2018-02-13 13:38:25
Local clock offset: -4.611 ms
Remote clock offset: -5.087 ms

Below is generated by plot.py at 2018-02-13 20:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 16.258 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 15.509 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 15.973 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 79.14 Mbit/s
95th percentile per-packet one-way delay: 16.805 ms
Loss rate: 0.20%

Run 1: Report of TCP BBR — Data Link

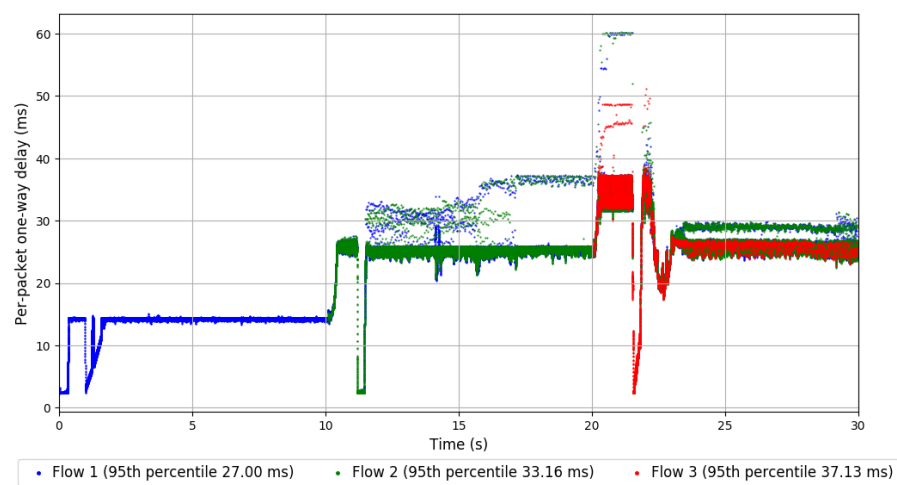
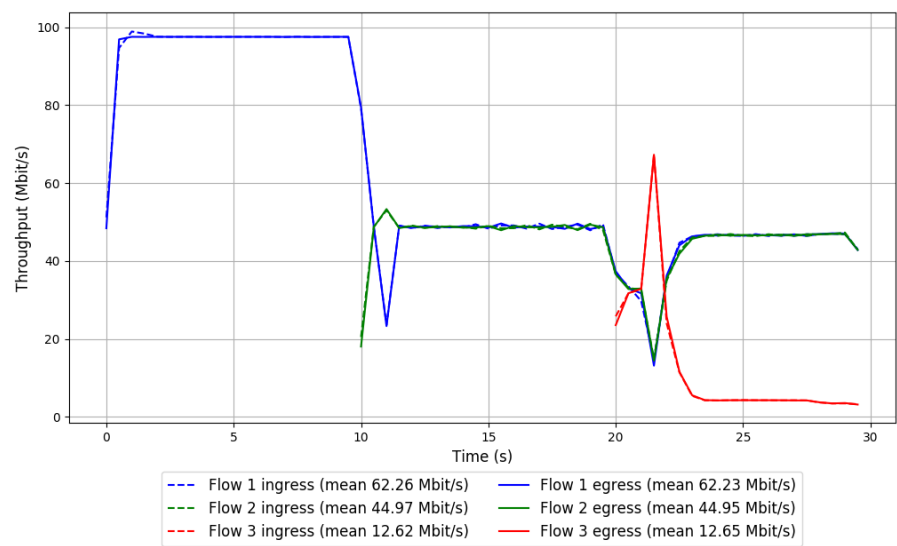


Run 2: Statistics of TCP BBR

Start at: 2018-02-13 13:58:21
End at: 2018-02-13 13:58:51
Local clock offset: -4.947 ms
Remote clock offset: -5.505 ms

Below is generated by plot.py at 2018-02-13 20:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 32.595 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 62.23 Mbit/s
95th percentile per-packet one-way delay: 27.002 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 33.155 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 37.126 ms
Loss rate: 0.08%

Run 2: Report of TCP BBR — Data Link

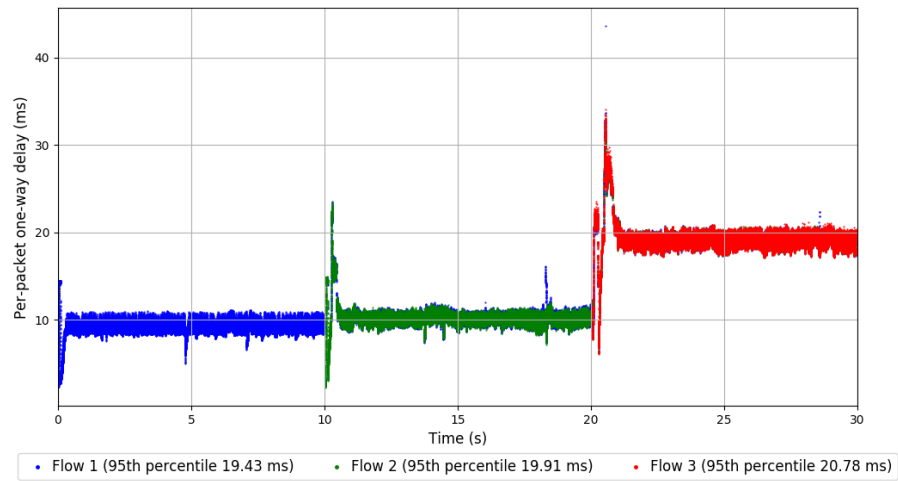
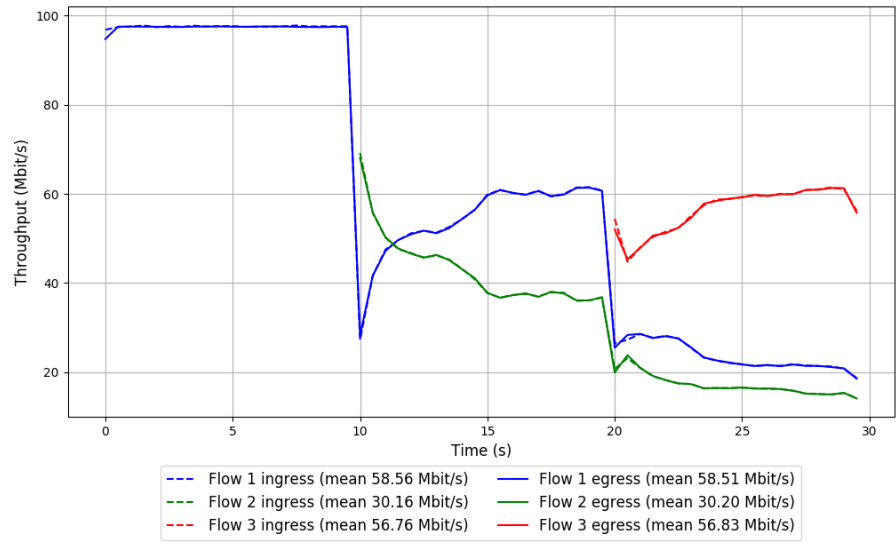


Run 3: Statistics of TCP BBR

Start at: 2018-02-13 14:18:45
End at: 2018-02-13 14:19:15
Local clock offset: -5.385 ms
Remote clock offset: -5.497 ms

Below is generated by plot.py at 2018-02-13 20:22:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 19.958 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 19.434 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 19.914 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 20.783 ms
Loss rate: 0.24%

Run 3: Report of TCP BBR — Data Link

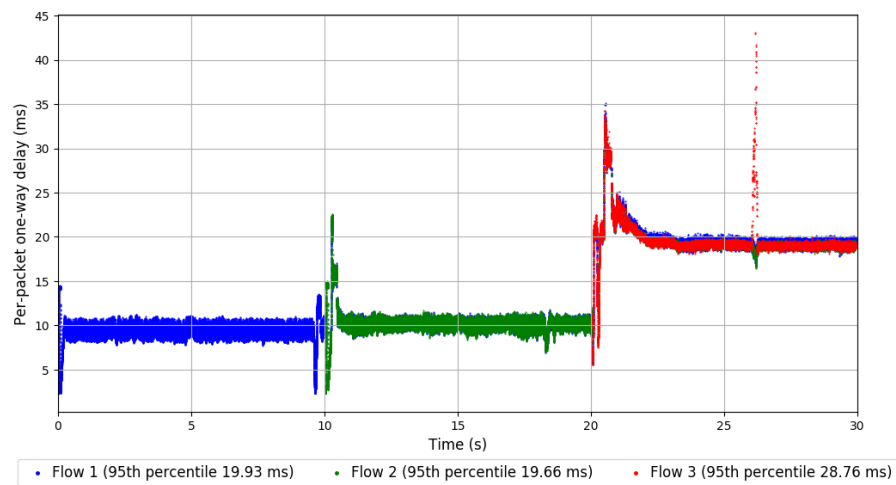
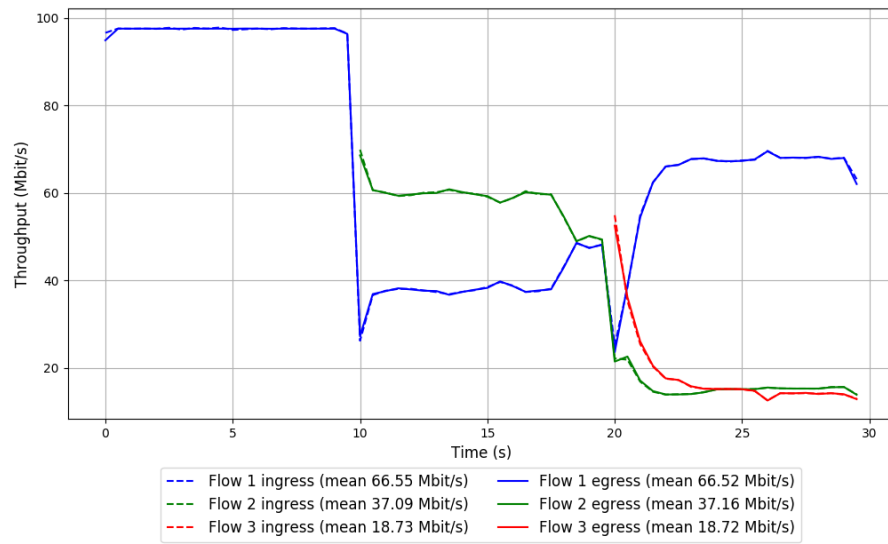


Run 4: Statistics of TCP BBR

Start at: 2018-02-13 14:39:07
End at: 2018-02-13 14:39:37
Local clock offset: -5.549 ms
Remote clock offset: -5.085 ms

Below is generated by plot.py at 2018-02-13 20:22:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 20.492 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 66.52 Mbit/s
95th percentile per-packet one-way delay: 19.929 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 19.665 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 28.763 ms
Loss rate: 0.17%

Run 4: Report of TCP BBR — Data Link

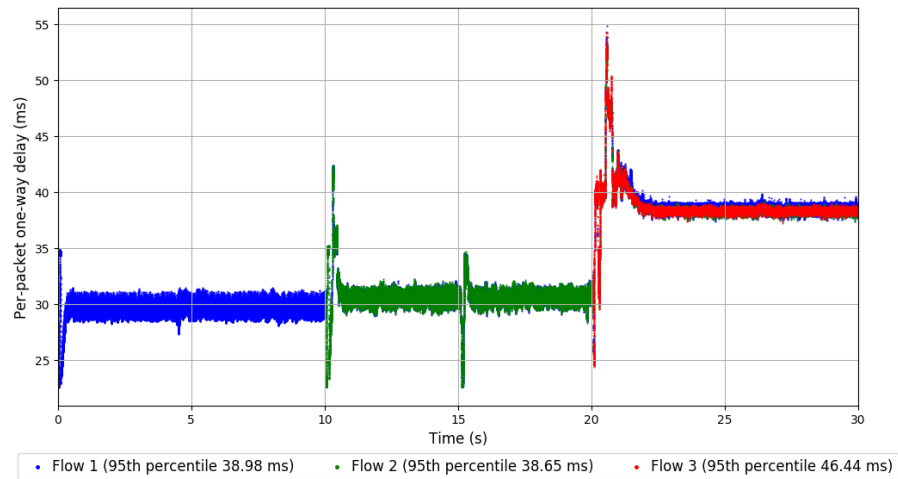
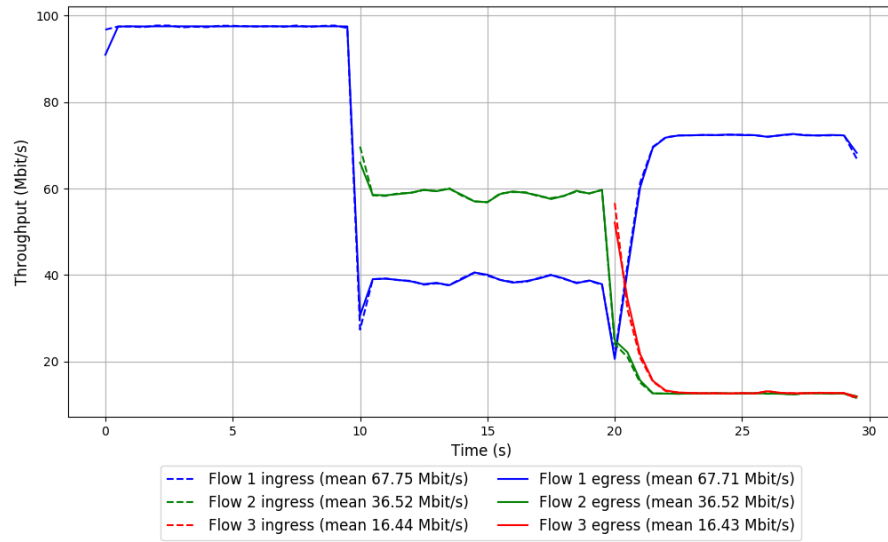


Run 5: Statistics of TCP BBR

Start at: 2018-02-13 14:59:30
End at: 2018-02-13 15:00:00
Local clock offset: -5.635 ms
Remote clock offset: -25.47 ms

Below is generated by plot.py at 2018-02-13 20:22:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 39.265 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.71 Mbit/s
95th percentile per-packet one-way delay: 38.977 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 38.648 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 46.444 ms
Loss rate: 0.16%

Run 5: Report of TCP BBR — Data Link

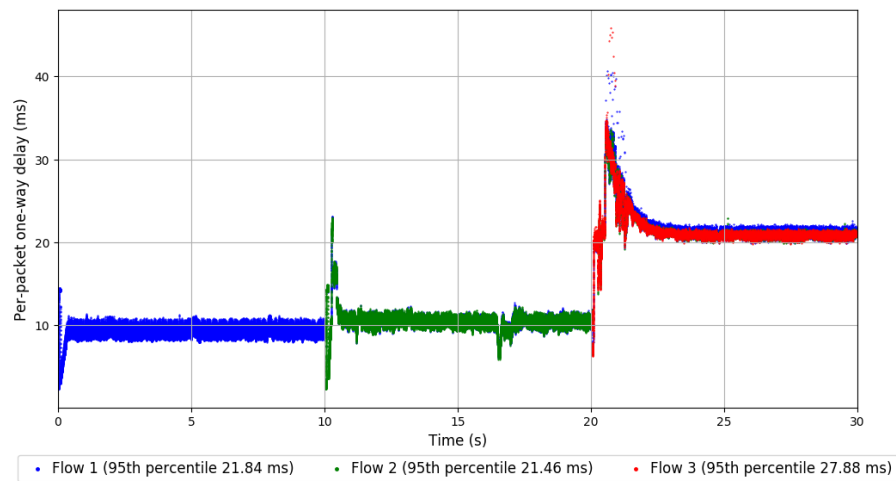
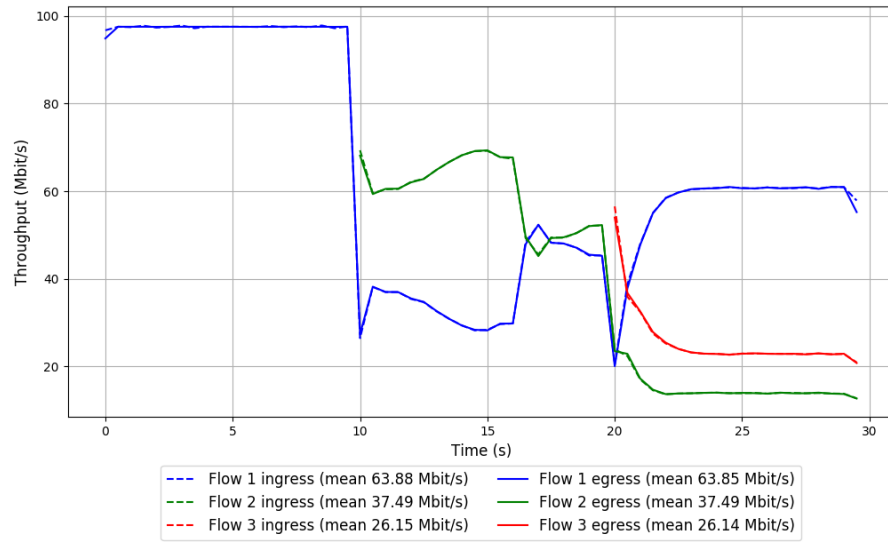


Run 6: Statistics of TCP BBR

Start at: 2018-02-13 15:19:54
End at: 2018-02-13 15:20:24
Local clock offset: -5.613 ms
Remote clock offset: -5.245 ms

Below is generated by plot.py at 2018-02-13 20:22:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 22.211 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 21.845 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 21.458 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 26.14 Mbit/s
95th percentile per-packet one-way delay: 27.876 ms
Loss rate: 0.21%

Run 6: Report of TCP BBR — Data Link

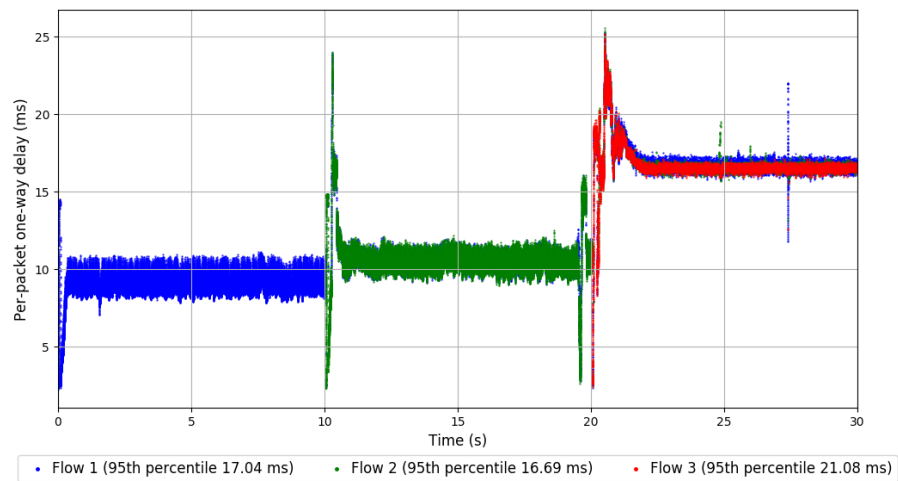
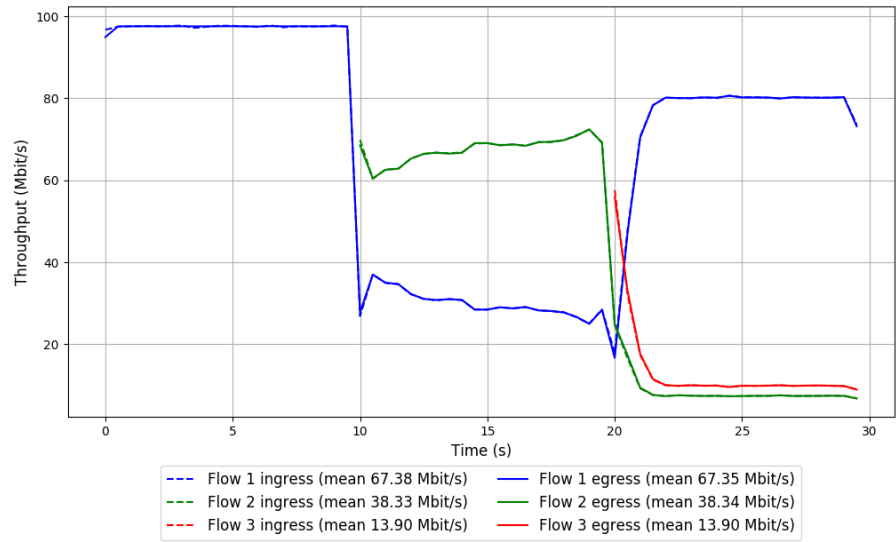


Run 7: Statistics of TCP BBR

Start at: 2018-02-13 15:40:17
End at: 2018-02-13 15:40:47
Local clock offset: -5.58 ms
Remote clock offset: -5.477 ms

Below is generated by plot.py at 2018-02-13 20:22:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 17.083 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 67.35 Mbit/s
95th percentile per-packet one-way delay: 17.037 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 16.692 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 21.079 ms
Loss rate: 0.14%

Run 7: Report of TCP BBR — Data Link

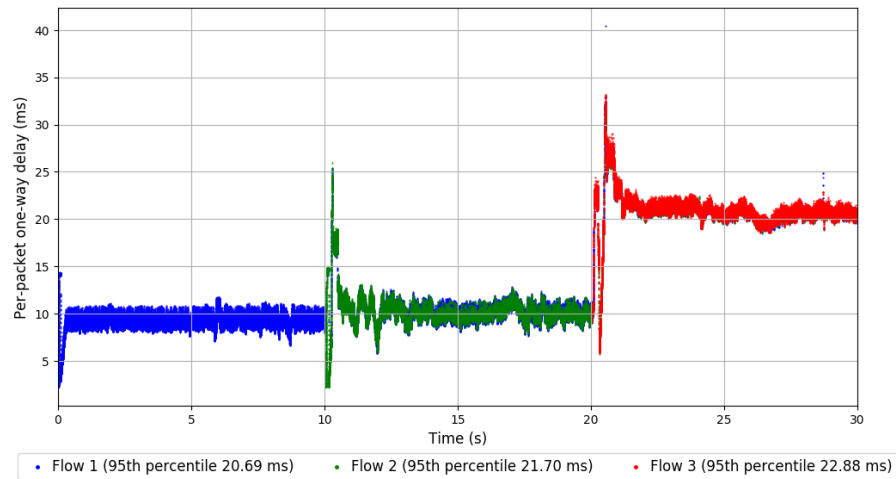
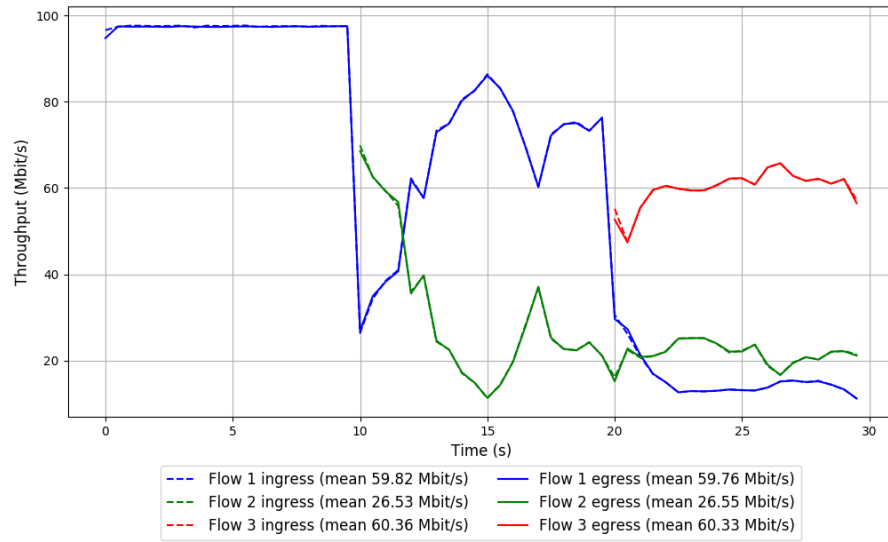


Run 8: Statistics of TCP BBR

Start at: 2018-02-13 16:00:39
End at: 2018-02-13 16:01:09
Local clock offset: -5.573 ms
Remote clock offset: -5.534 ms

Below is generated by plot.py at 2018-02-13 20:22:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 21.703 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 20.690 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 21.699 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 22.883 ms
Loss rate: 0.28%

Run 8: Report of TCP BBR — Data Link

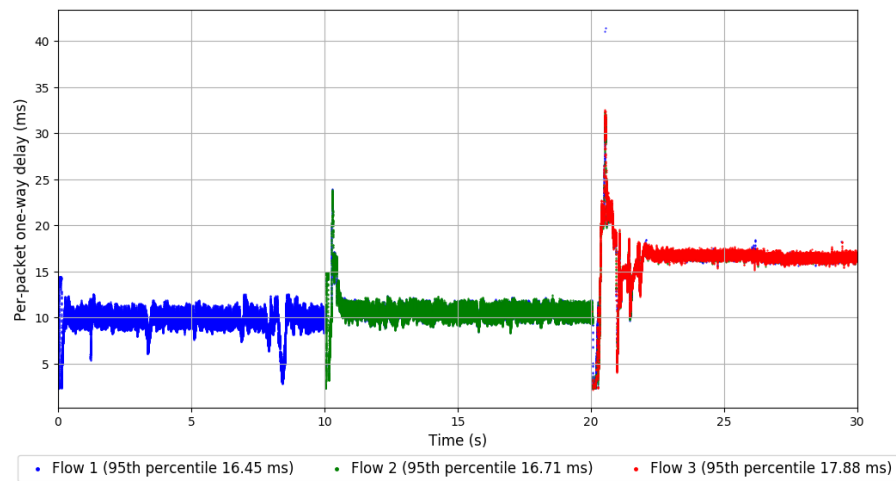
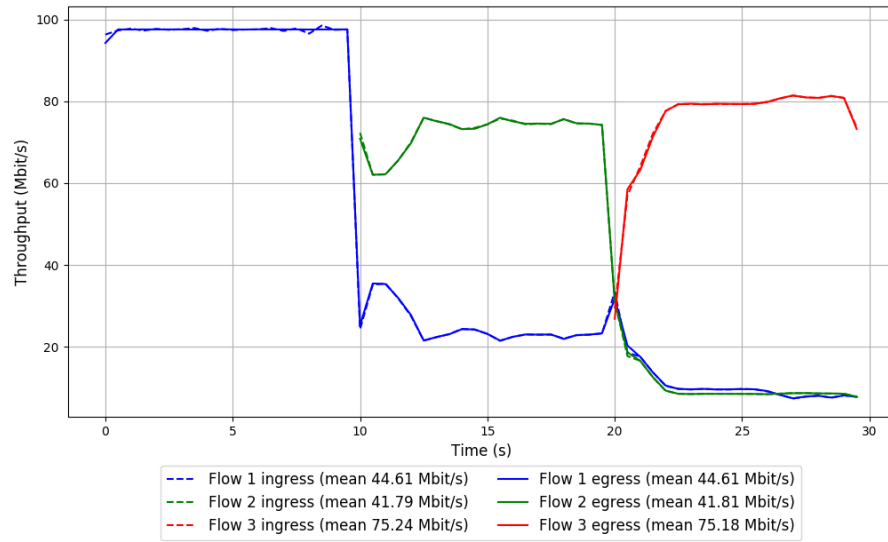


Run 9: Statistics of TCP BBR

Start at: 2018-02-13 16:21:03
End at: 2018-02-13 16:21:33
Local clock offset: -5.598 ms
Remote clock offset: -5.212 ms

Below is generated by plot.py at 2018-02-13 20:23:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 17.043 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 44.61 Mbit/s
95th percentile per-packet one-way delay: 16.451 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 16.713 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 75.18 Mbit/s
95th percentile per-packet one-way delay: 17.884 ms
Loss rate: 0.21%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-02-13 16:41:26

End at: 2018-02-13 16:41:56

Local clock offset: -5.637 ms

Remote clock offset: -25.8 ms

Below is generated by plot.py at 2018-02-13 20:23:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 55.985 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 45.85 Mbit/s

95th percentile per-packet one-way delay: 55.445 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 58.98 Mbit/s

95th percentile per-packet one-way delay: 56.109 ms

Loss rate: 0.36%

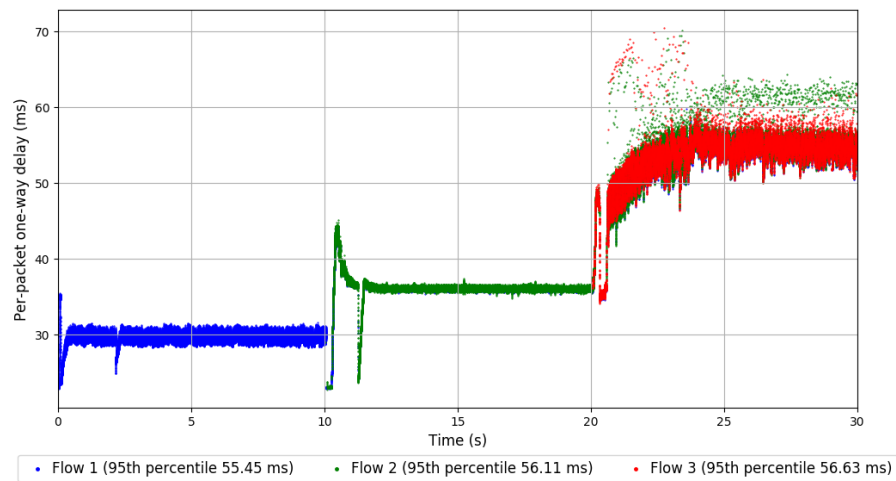
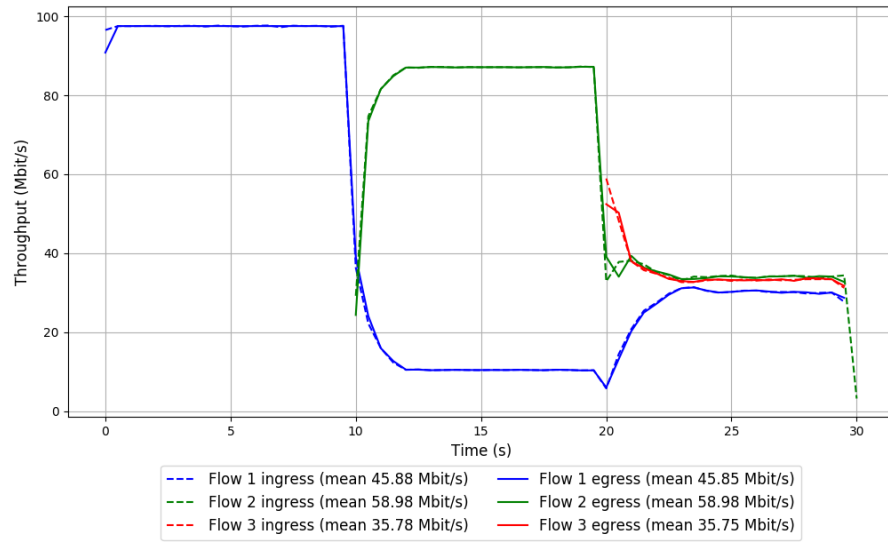
-- Flow 3:

Average throughput: 35.75 Mbit/s

95th percentile per-packet one-way delay: 56.631 ms

Loss rate: 0.40%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-13 13:30:00

End at: 2018-02-13 13:30:30

Local clock offset: -4.75 ms

Remote clock offset: -5.098 ms

Run 1: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of TCP Cubic

Start at: 2018-02-13 13:50:26

End at: 2018-02-13 13:50:56

Local clock offset: -4.331 ms

Remote clock offset: -5.34 ms

Run 2: Report of TCP Cubic — Data Link

Figure is missing

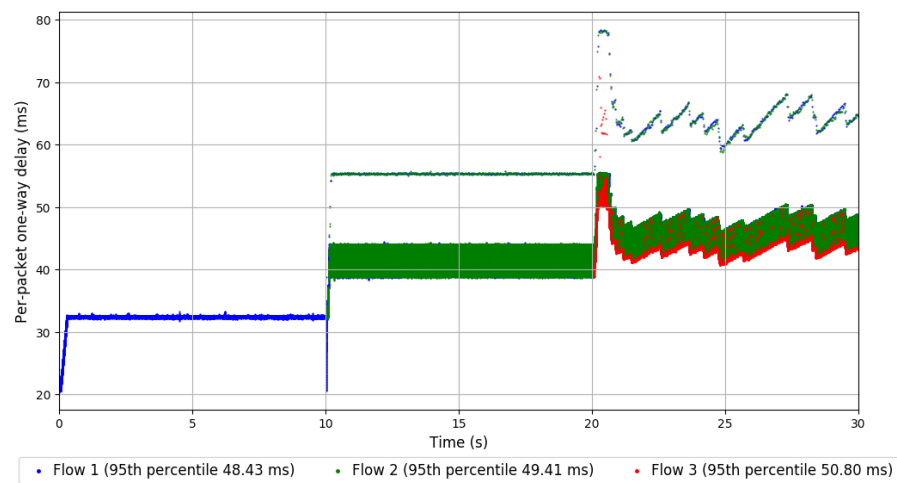
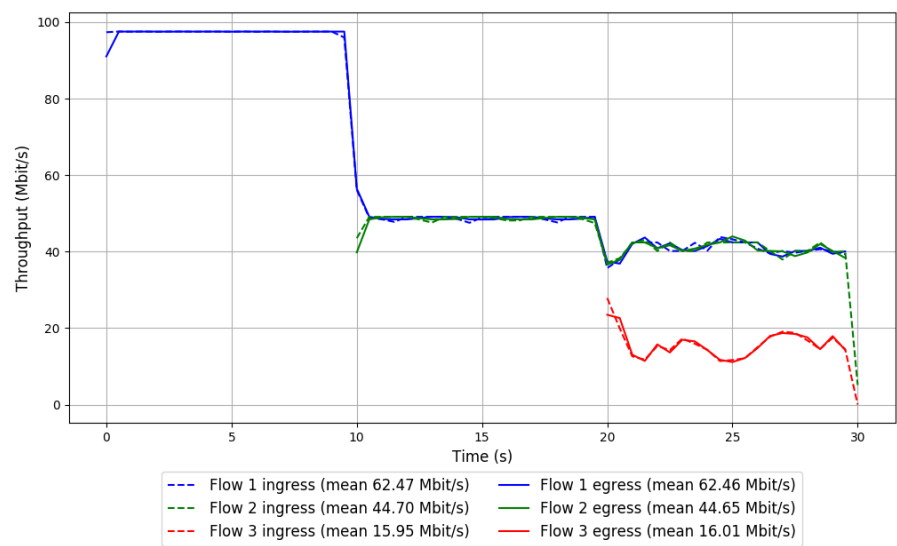
Figure is missing

Run 3: Statistics of TCP Cubic

Start at: 2018-02-13 14:10:52
End at: 2018-02-13 14:11:22
Local clock offset: -5.289 ms
Remote clock offset: -23.753 ms

Below is generated by plot.py at 2018-02-13 20:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 48.873 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 48.427 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 44.65 Mbit/s
95th percentile per-packet one-way delay: 49.405 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 50.805 ms
Loss rate: 0.44%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-02-13 14:31:14

End at: 2018-02-13 14:31:44

Local clock offset: -5.524 ms

Remote clock offset: -5.167 ms

Run 4: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of TCP Cubic

Start at: 2018-02-13 14:51:38

End at: 2018-02-13 14:52:08

Local clock offset: -5.63 ms

Remote clock offset: -4.967 ms

Run 5: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of TCP Cubic

Start at: 2018-02-13 15:12:03

End at: 2018-02-13 15:12:33

Local clock offset: -5.71 ms

Remote clock offset: -5.283 ms

Run 6: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of TCP Cubic

Start at: 2018-02-13 15:32:25

End at: 2018-02-13 15:32:55

Local clock offset: -5.738 ms

Remote clock offset: -5.382 ms

Run 7: Report of TCP Cubic — Data Link

Figure is missing

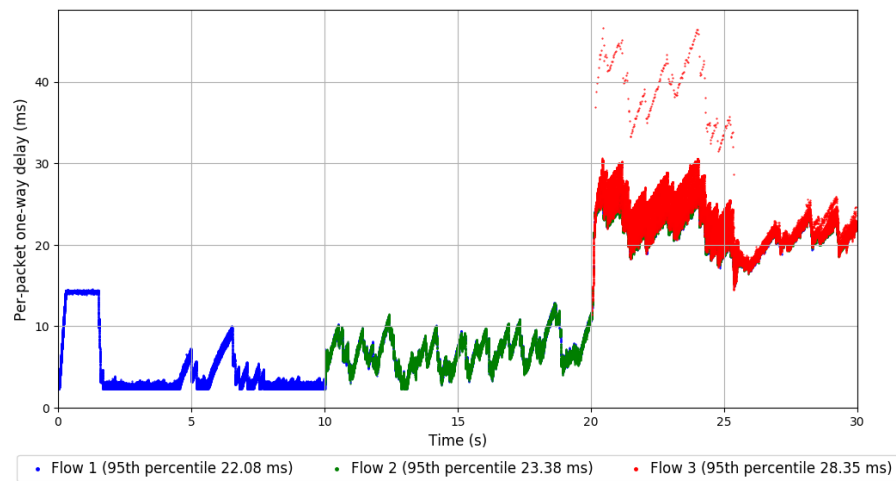
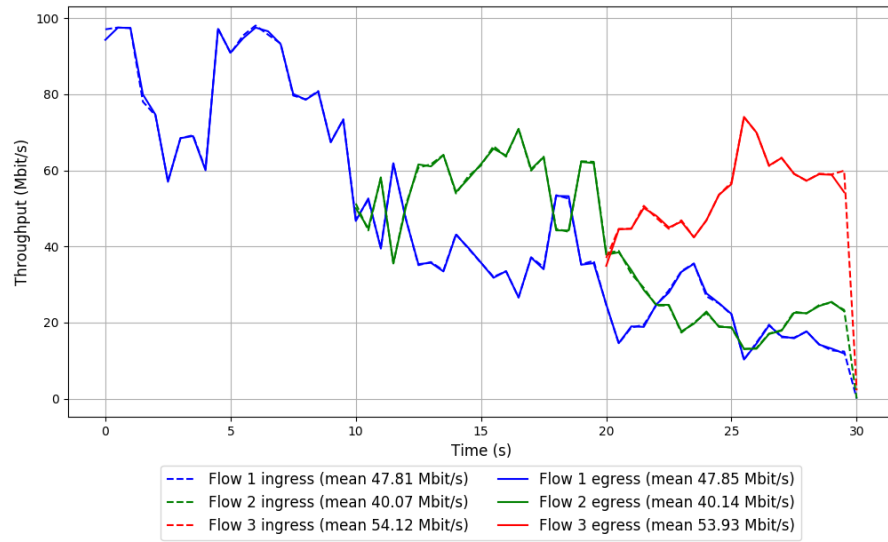
Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-02-13 15:52:46
End at: 2018-02-13 15:53:16
Local clock offset: -5.54 ms
Remote clock offset: -5.539 ms

Below is generated by plot.py at 2018-02-13 20:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 24.847 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 22.084 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 23.377 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 53.93 Mbit/s
95th percentile per-packet one-way delay: 28.350 ms
Loss rate: 0.98%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-13 16:13:10

End at: 2018-02-13 16:13:40

Local clock offset: -5.604 ms

Remote clock offset: -5.266 ms

Run 9: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-02-13 16:33:34

End at: 2018-02-13 16:34:04

Local clock offset: -5.731 ms

Remote clock offset: -5.214 ms

Run 10: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of LEDBAT

Start at: 2018-02-13 13:48:12

End at: 2018-02-13 13:48:42

Local clock offset: -4.374 ms

Remote clock offset: -5.304 ms

Run 1: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of LEDBAT

Start at: 2018-02-13 14:08:38

End at: 2018-02-13 14:09:08

Local clock offset: -5.26 ms

Remote clock offset: -5.547 ms

Run 2: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of LEDBAT

Start at: 2018-02-13 14:28:59

End at: 2018-02-13 14:29:29

Local clock offset: -5.506 ms

Remote clock offset: -5.186 ms

Run 3: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of LEDBAT

Start at: 2018-02-13 14:49:24

End at: 2018-02-13 14:49:54

Local clock offset: -5.635 ms

Remote clock offset: -4.979 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of LEDBAT

Start at: 2018-02-13 15:09:49

End at: 2018-02-13 15:10:19

Local clock offset: -5.705 ms

Remote clock offset: -5.305 ms

Run 5: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2018-02-13 15:30:11

End at: 2018-02-13 15:30:41

Local clock offset: -5.67 ms

Remote clock offset: -5.415 ms

Run 6: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of LEDBAT

Start at: 2018-02-13 15:50:32

End at: 2018-02-13 15:51:02

Local clock offset: -5.564 ms

Remote clock offset: -5.531 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-02-13 16:10:56

End at: 2018-02-13 16:11:26

Local clock offset: -5.596 ms

Remote clock offset: -5.277 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-02-13 16:31:20

End at: 2018-02-13 16:31:50

Local clock offset: -5.614 ms

Remote clock offset: -5.174 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-02-13 16:51:40

End at: 2018-02-13 16:52:10

Local clock offset: -5.259 ms

Remote clock offset: -5.208 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

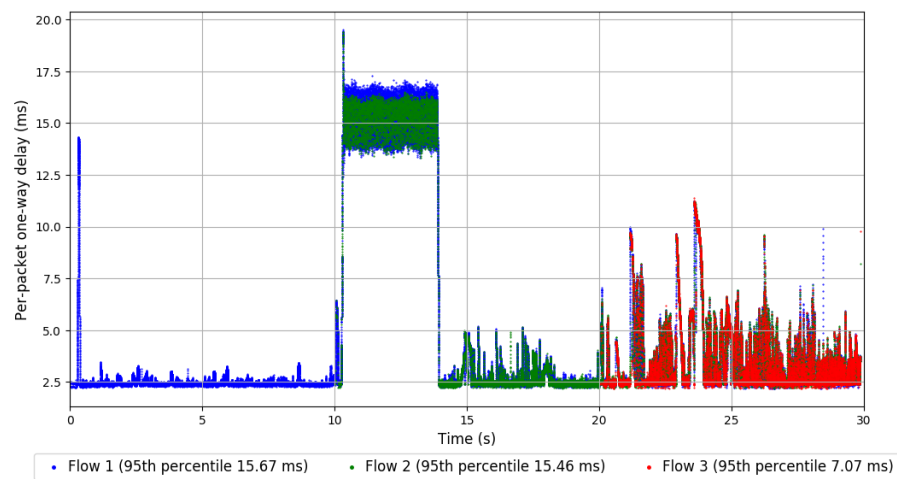
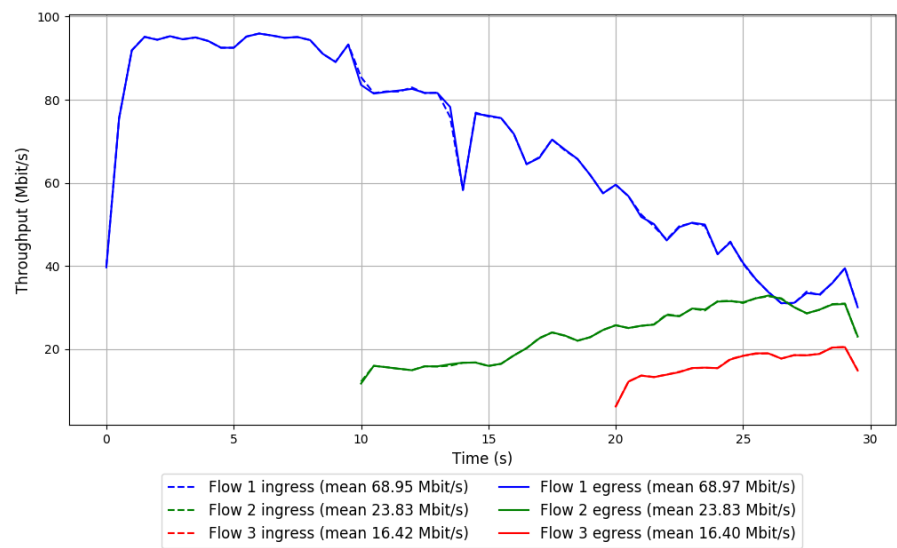
Figure is missing

Run 1: Statistics of PCC

Start at: 2018-02-13 13:35:44
End at: 2018-02-13 13:36:14
Local clock offset: -4.569 ms
Remote clock offset: -5.156 ms

Below is generated by plot.py at 2018-02-13 20:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 15.589 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 68.97 Mbit/s
95th percentile per-packet one-way delay: 15.674 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 15.456 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 16.40 Mbit/s
95th percentile per-packet one-way delay: 7.067 ms
Loss rate: 0.12%

Run 1: Report of PCC — Data Link

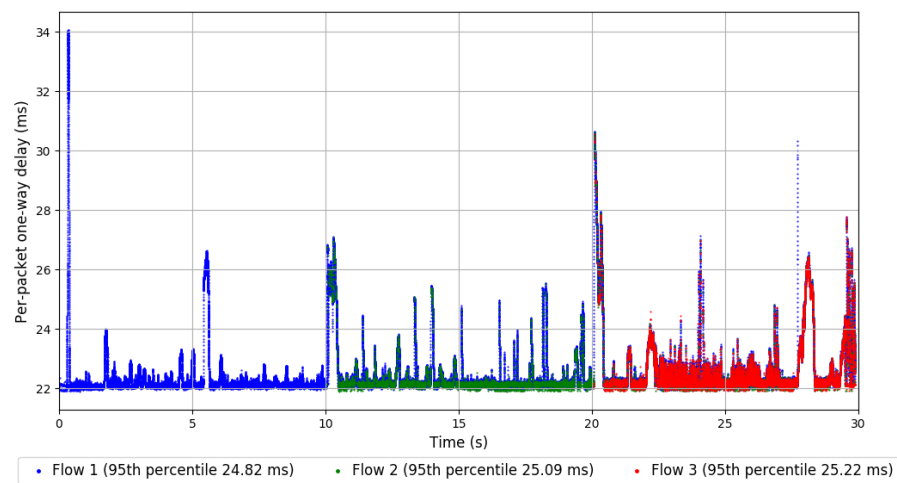
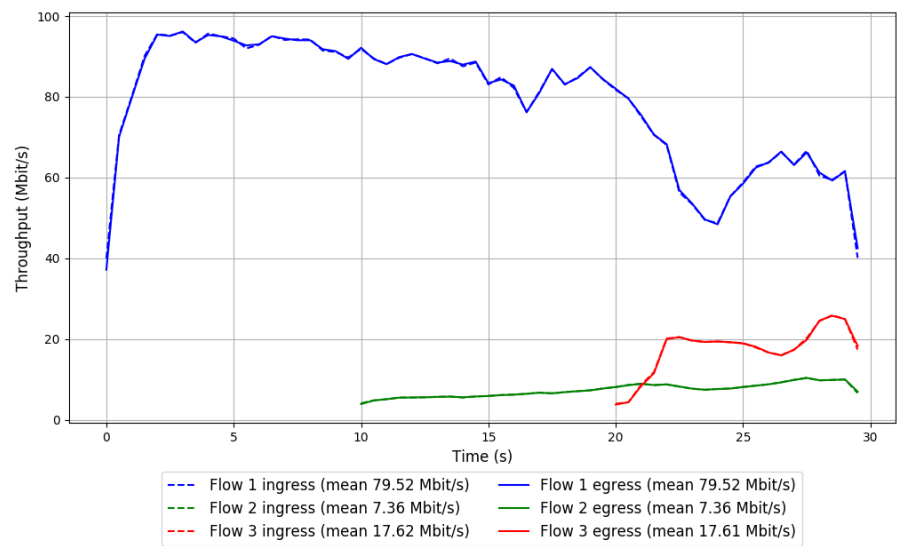


Run 2: Statistics of PCC

Start at: 2018-02-13 13:56:09
End at: 2018-02-13 13:56:39
Local clock offset: -4.799 ms
Remote clock offset: -25.197 ms

Below is generated by plot.py at 2018-02-13 20:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 24.924 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 79.52 Mbit/s
95th percentile per-packet one-way delay: 24.825 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 25.085 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 17.61 Mbit/s
95th percentile per-packet one-way delay: 25.222 ms
Loss rate: 0.09%

Run 2: Report of PCC — Data Link

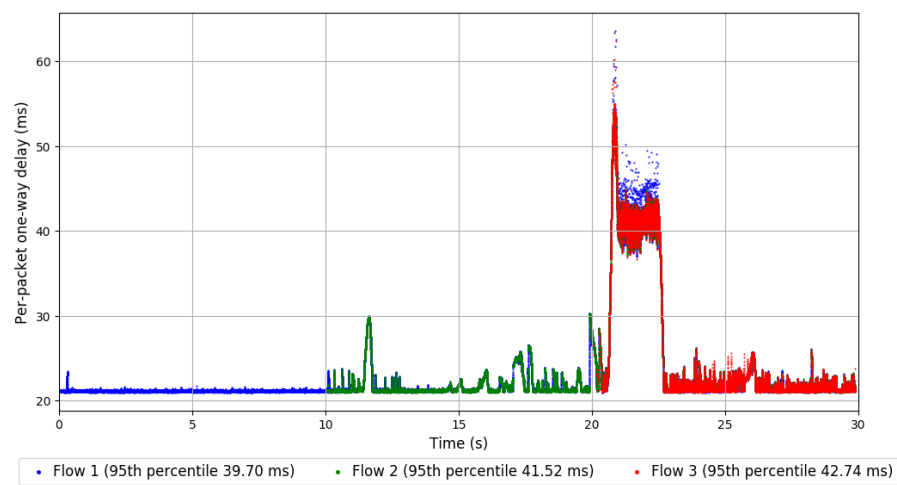
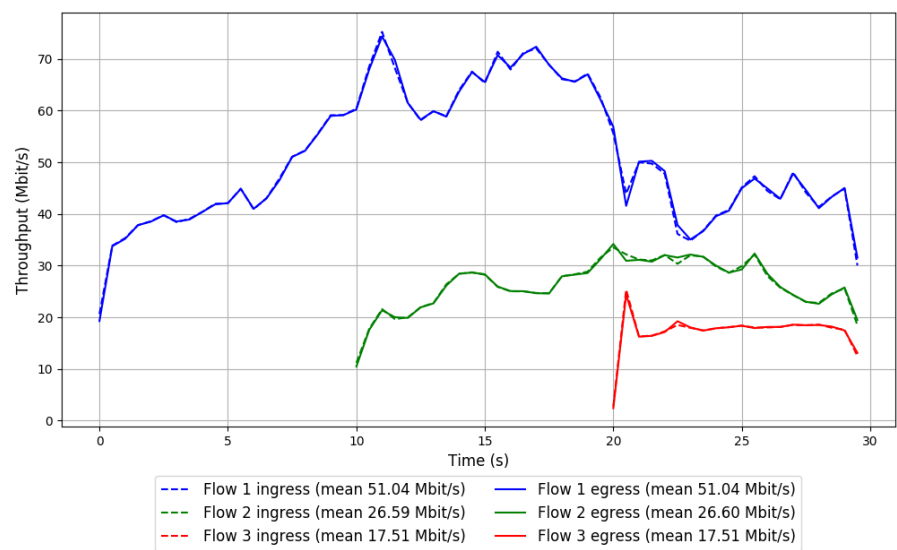


Run 3: Statistics of PCC

Start at: 2018-02-13 14:16:34
End at: 2018-02-13 14:17:04
Local clock offset: -5.417 ms
Remote clock offset: -24.432 ms

Below is generated by plot.py at 2018-02-13 20:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.46 Mbit/s
95th percentile per-packet one-way delay: 41.034 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 39.701 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 41.515 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 42.736 ms
Loss rate: 0.04%

Run 3: Report of PCC — Data Link

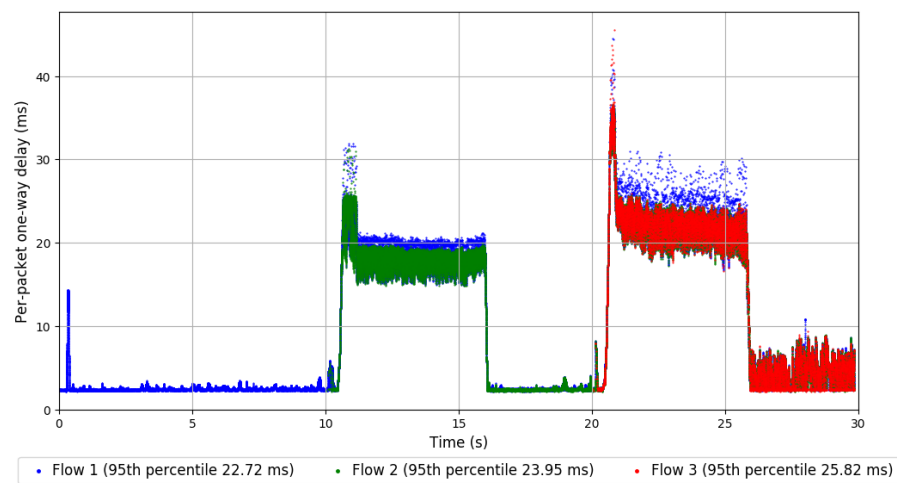
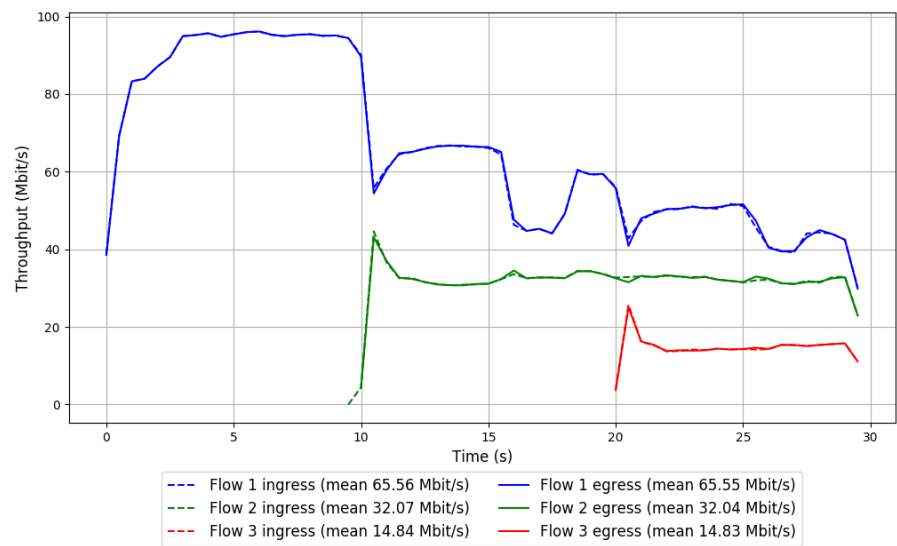


Run 4: Statistics of PCC

Start at: 2018-02-13 14:36:56
End at: 2018-02-13 14:37:26
Local clock offset: -5.547 ms
Remote clock offset: -5.112 ms

Below is generated by plot.py at 2018-02-13 20:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 23.302 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 22.721 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 23.947 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 14.83 Mbit/s
95th percentile per-packet one-way delay: 25.816 ms
Loss rate: 0.07%

Run 4: Report of PCC — Data Link

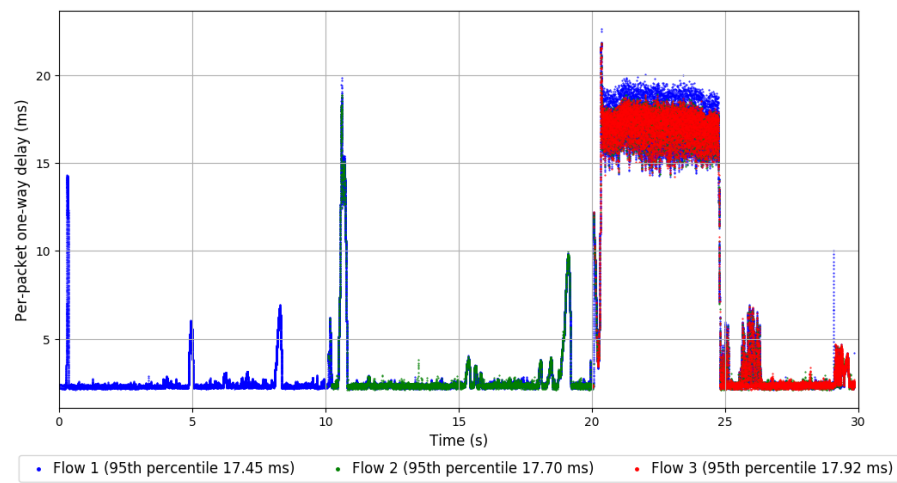
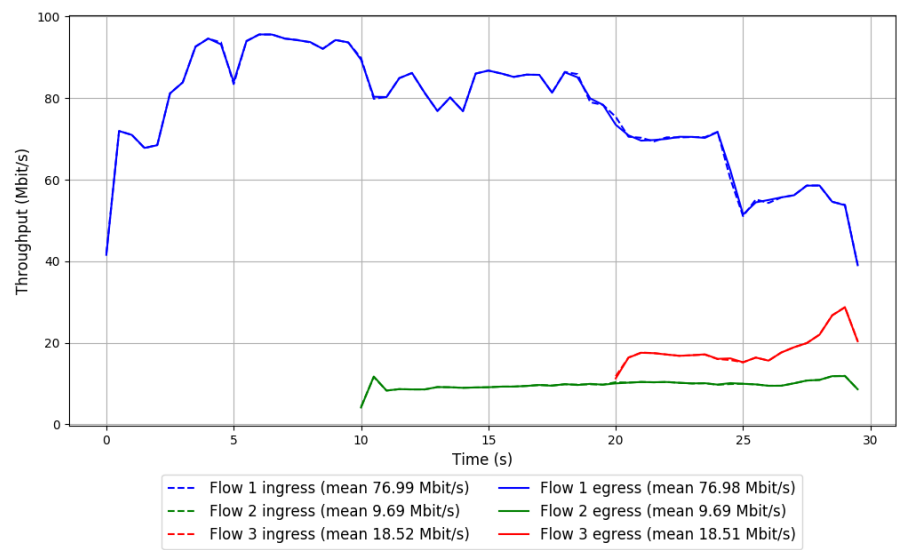


Run 5: Statistics of PCC

Start at: 2018-02-13 14:57:19
End at: 2018-02-13 14:57:49
Local clock offset: -5.655 ms
Remote clock offset: -5.144 ms

Below is generated by plot.py at 2018-02-13 20:24:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 17.553 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 76.98 Mbit/s
95th percentile per-packet one-way delay: 17.447 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 17.695 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 17.916 ms
Loss rate: 0.07%

Run 5: Report of PCC — Data Link

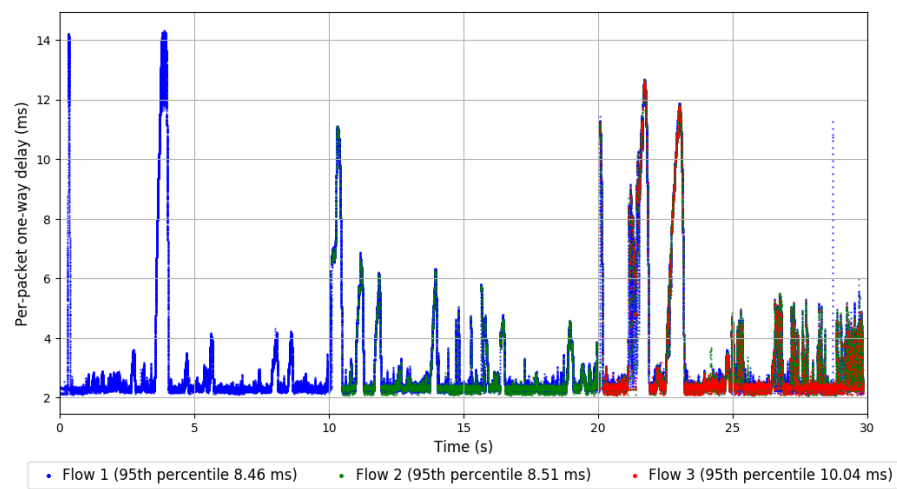
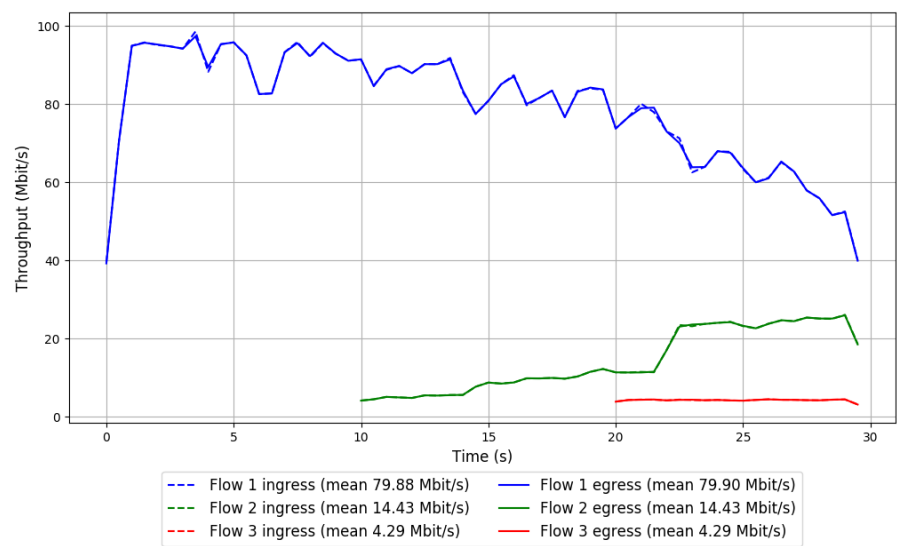


Run 6: Statistics of PCC

Start at: 2018-02-13 15:17:43
End at: 2018-02-13 15:18:13
Local clock offset: -5.683 ms
Remote clock offset: -5.248 ms

Below is generated by plot.py at 2018-02-13 20:24:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 8.547 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 79.90 Mbit/s
95th percentile per-packet one-way delay: 8.459 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 8.512 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 10.044 ms
Loss rate: 0.03%

Run 6: Report of PCC — Data Link

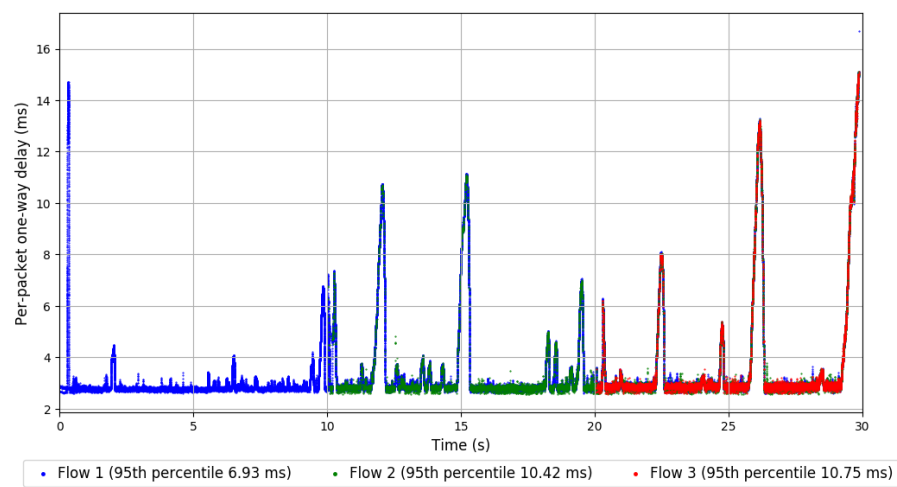
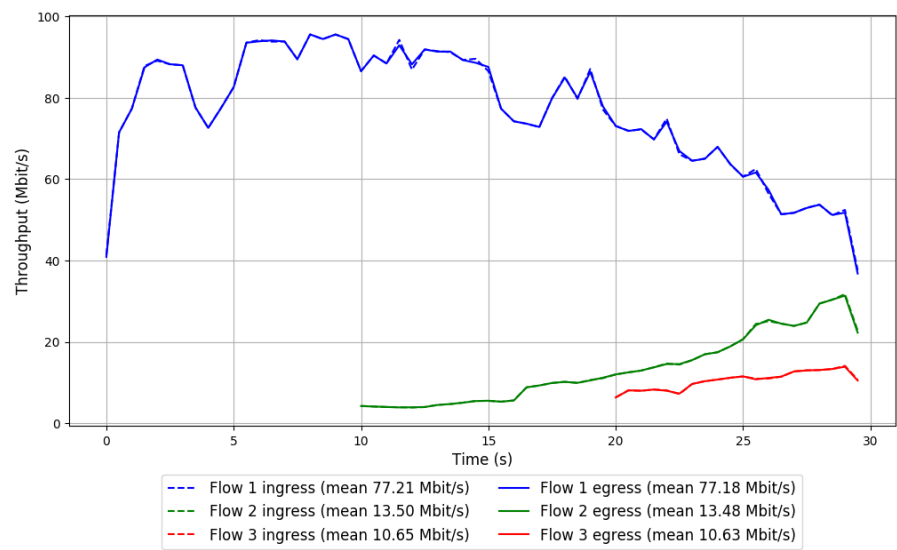


Run 7: Statistics of PCC

Start at: 2018-02-13 15:38:06
End at: 2018-02-13 15:38:36
Local clock offset: -5.569 ms
Remote clock offset: -5.868 ms

Below is generated by plot.py at 2018-02-13 20:24:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 7.735 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 6.931 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 10.416 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 10.749 ms
Loss rate: 0.24%

Run 7: Report of PCC — Data Link

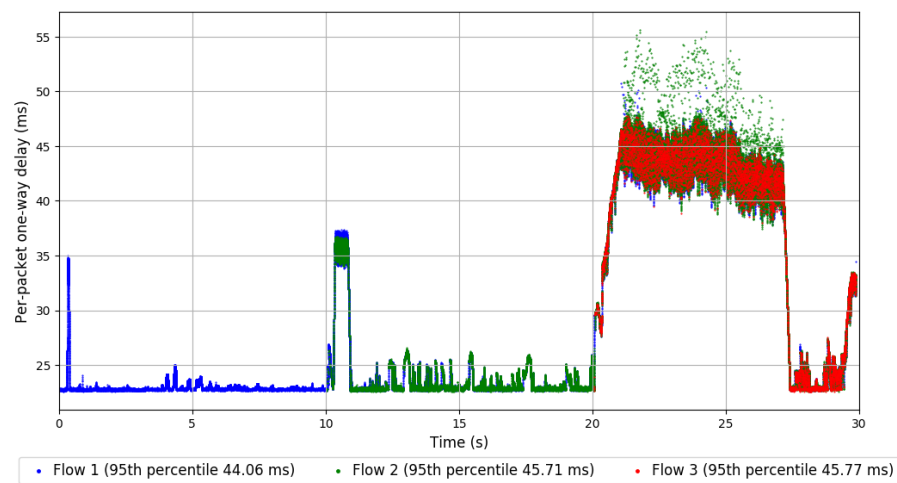
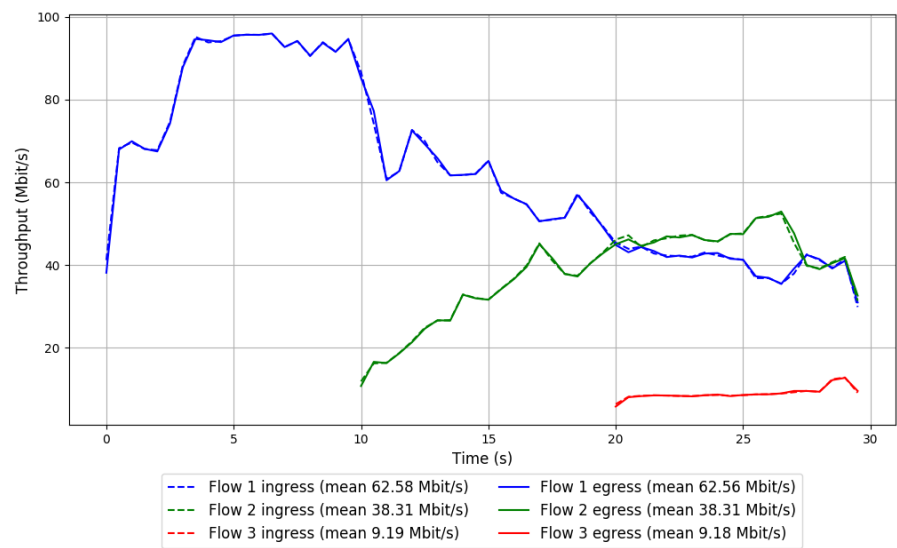


Run 8: Statistics of PCC

Start at: 2018-02-13 15:58:28
End at: 2018-02-13 15:58:58
Local clock offset: -5.559 ms
Remote clock offset: -26.014 ms

Below is generated by plot.py at 2018-02-13 20:24:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 44.887 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.56 Mbit/s
95th percentile per-packet one-way delay: 44.056 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 45.714 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 45.766 ms
Loss rate: 0.17%

Run 8: Report of PCC — Data Link

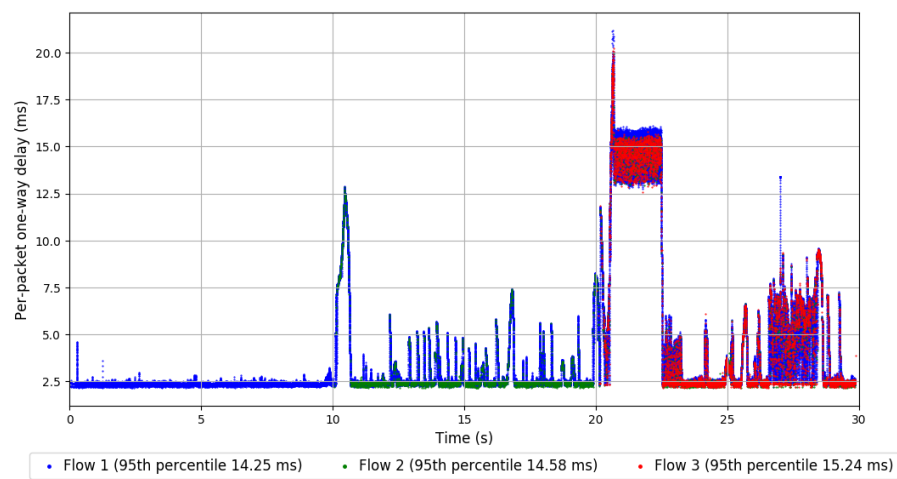
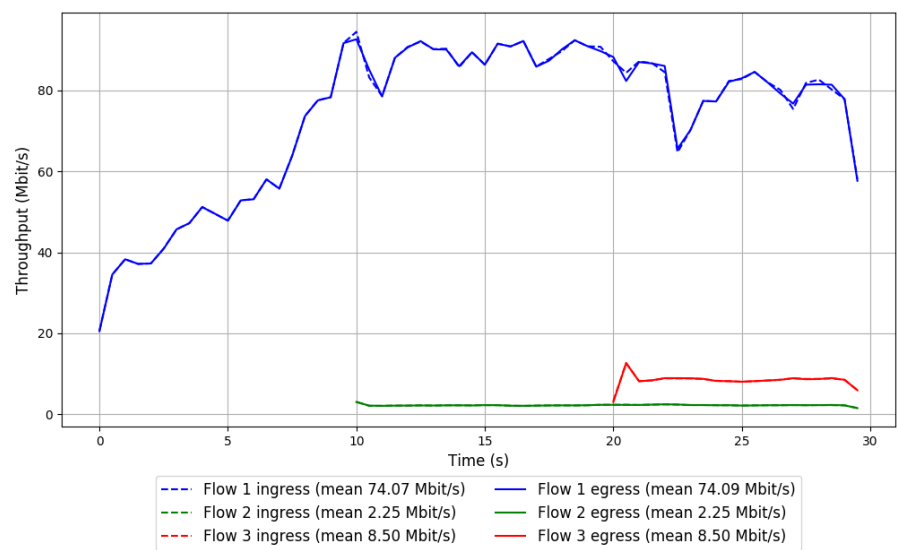


Run 9: Statistics of PCC

Start at: 2018-02-13 16:18:52
End at: 2018-02-13 16:19:22
Local clock offset: -5.571 ms
Remote clock offset: -5.206 ms

Below is generated by plot.py at 2018-02-13 20:24:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 14.386 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 74.09 Mbit/s
95th percentile per-packet one-way delay: 14.248 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 14.584 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 15.241 ms
Loss rate: 0.03%

Run 9: Report of PCC — Data Link

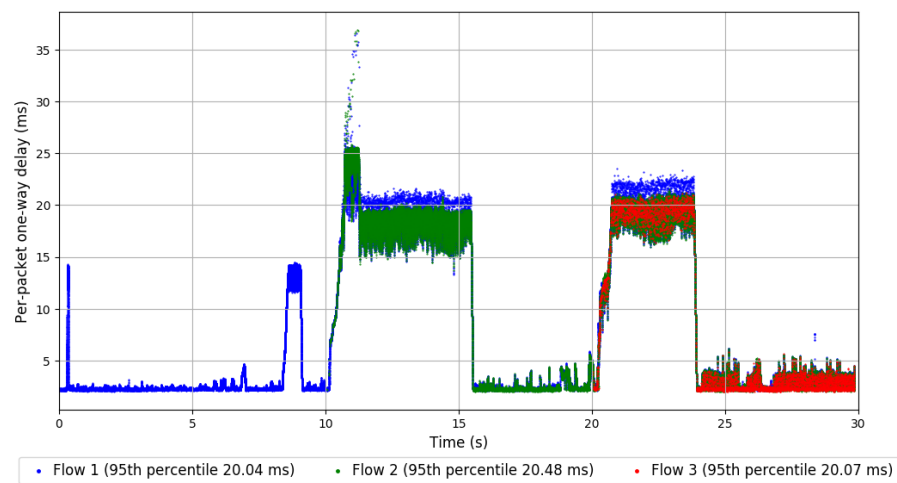
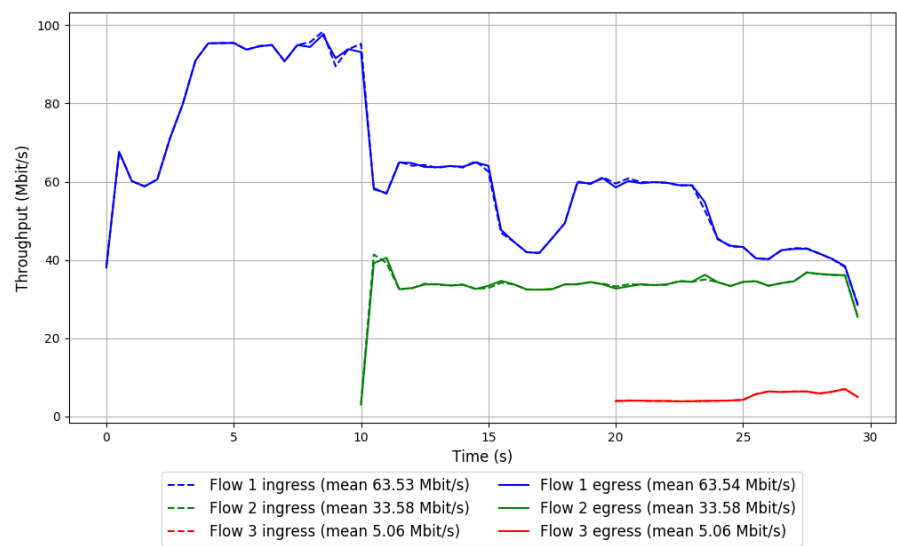


Run 10: Statistics of PCC

Start at: 2018-02-13 16:39:15
End at: 2018-02-13 16:39:45
Local clock offset: -5.707 ms
Remote clock offset: -5.173 ms

Below is generated by plot.py at 2018-02-13 20:24:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 20.161 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 63.54 Mbit/s
95th percentile per-packet one-way delay: 20.038 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 20.478 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 20.069 ms
Loss rate: 0.05%

Run 10: Report of PCC — Data Link

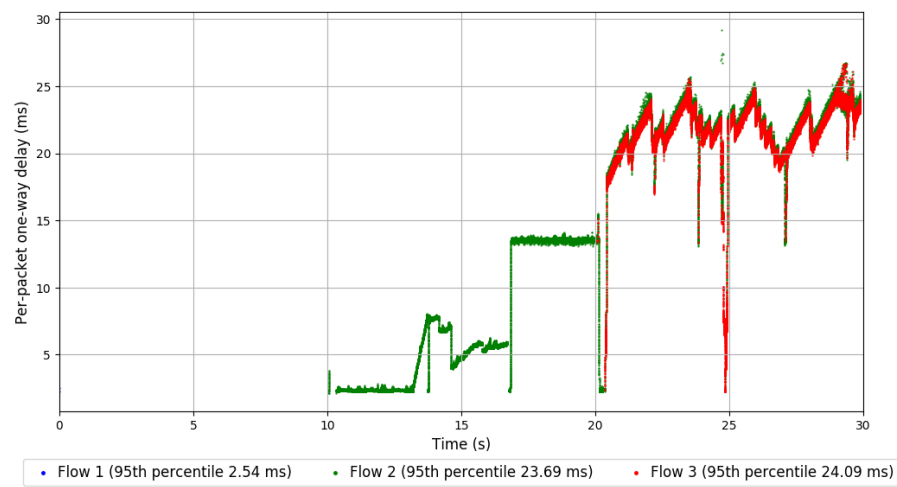
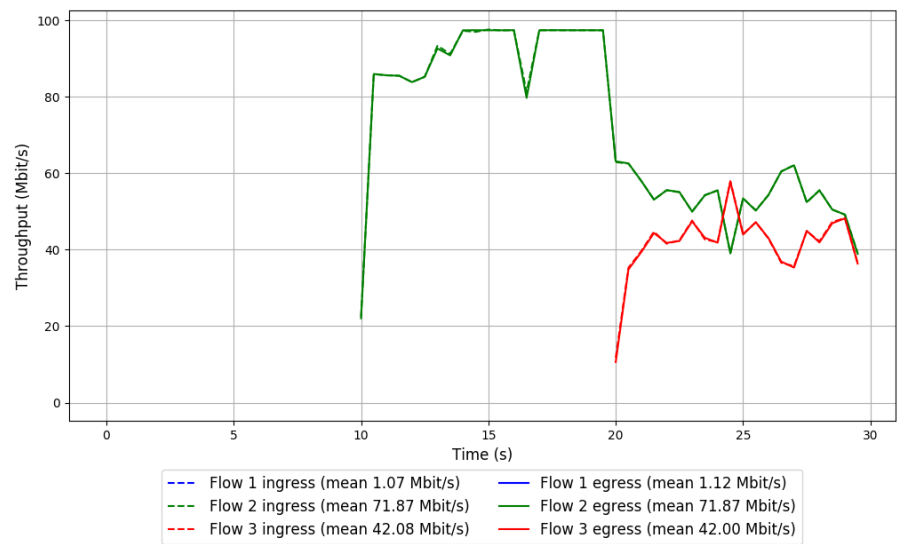


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-13 13:42:31
End at: 2018-02-13 13:43:01
Local clock offset: -4.52 ms
Remote clock offset: -5.092 ms

Below is generated by plot.py at 2018-02-13 20:24:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.62 Mbit/s
95th percentile per-packet one-way delay: 23.887 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.87 Mbit/s
95th percentile per-packet one-way delay: 23.693 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 24.094 ms
Loss rate: 0.35%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-13 14:02:57

End at: 2018-02-13 14:03:27

Local clock offset: -5.117 ms

Remote clock offset: -5.6 ms

Below is generated by plot.py at 2018-02-13 20:24:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.81 Mbit/s

95th percentile per-packet one-way delay: 24.552 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 2.545 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.61 Mbit/s

95th percentile per-packet one-way delay: 24.517 ms

Loss rate: 0.08%

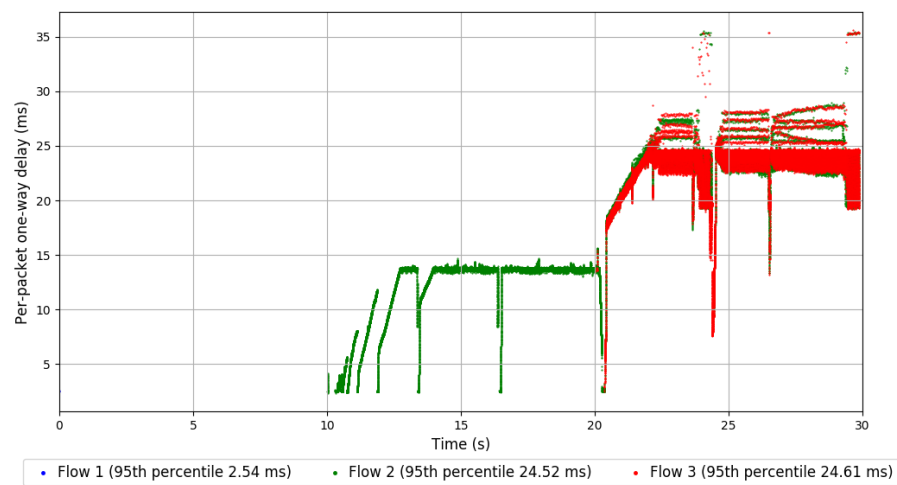
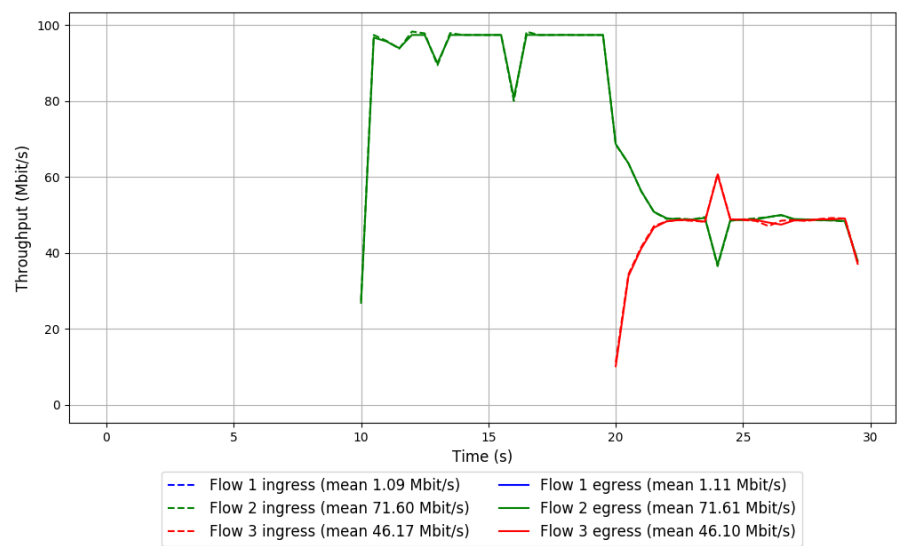
-- Flow 3:

Average throughput: 46.10 Mbit/s

95th percentile per-packet one-way delay: 24.612 ms

Loss rate: 0.32%

Run 2: Report of QUIC Cubic — Data Link

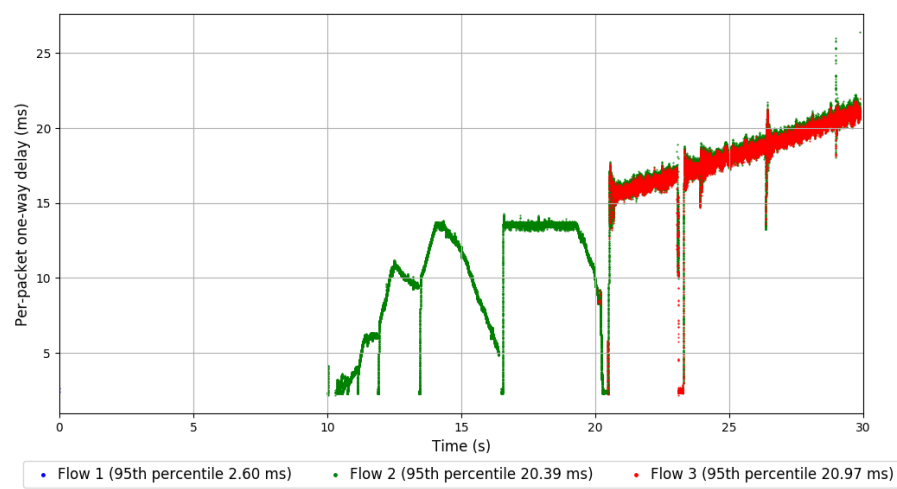
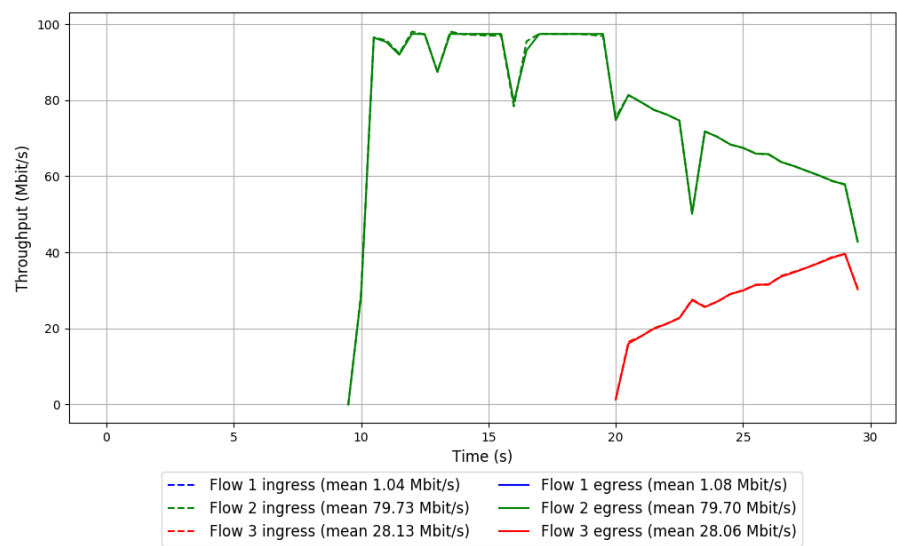


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-13 14:23:21
End at: 2018-02-13 14:23:51
Local clock offset: -5.445 ms
Remote clock offset: -5.329 ms

Below is generated by plot.py at 2018-02-13 20:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.26 Mbit/s
95th percentile per-packet one-way delay: 20.616 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 2.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.70 Mbit/s
95th percentile per-packet one-way delay: 20.392 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 20.973 ms
Loss rate: 0.34%

Run 3: Report of QUIC Cubic — Data Link

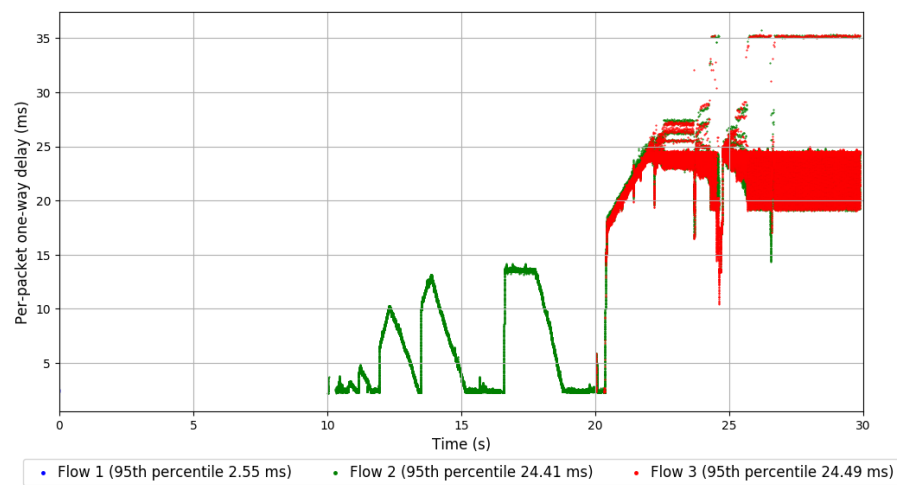
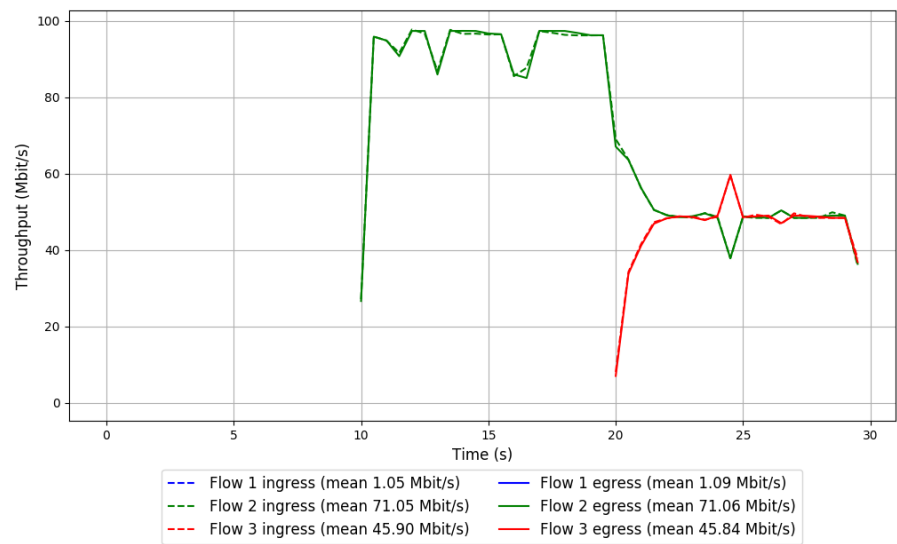


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-13 14:43:43
End at: 2018-02-13 14:44:13
Local clock offset: -5.59 ms
Remote clock offset: -5.027 ms

Below is generated by plot.py at 2018-02-13 20:25:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.38 Mbit/s
95th percentile per-packet one-way delay: 24.447 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 2.554 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 24.415 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 24.492 ms
Loss rate: 0.34%

Run 4: Report of QUIC Cubic — Data Link

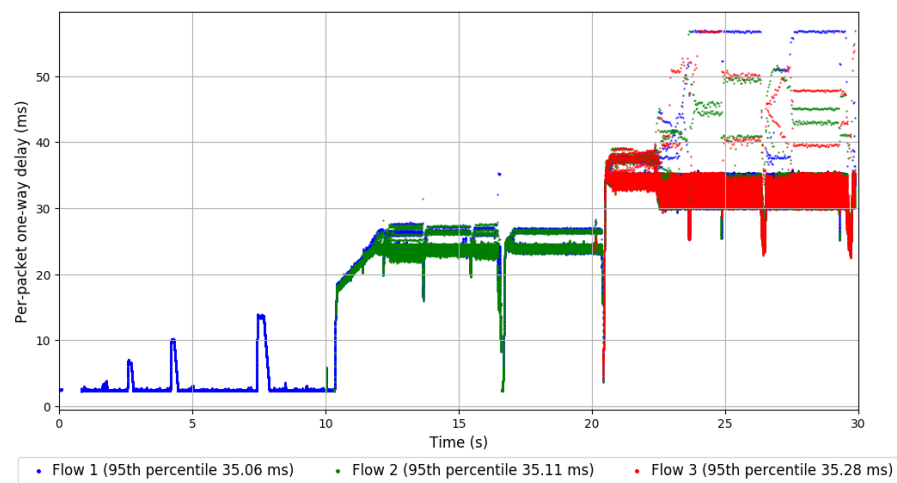
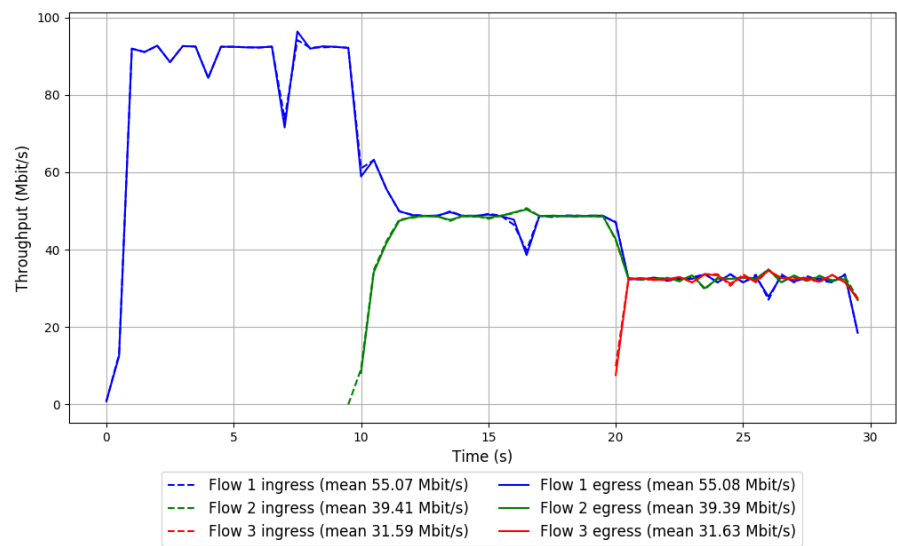


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-13 15:04:06
End at: 2018-02-13 15:04:36
Local clock offset: -5.628 ms
Remote clock offset: -5.234 ms

Below is generated by plot.py at 2018-02-13 20:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 35.147 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 35.060 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 35.106 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 35.283 ms
Loss rate: 0.34%

Run 5: Report of QUIC Cubic — Data Link

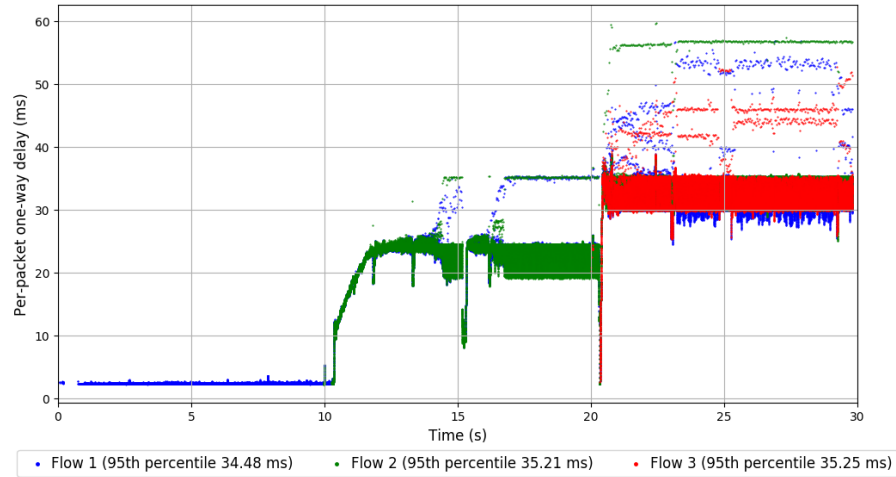
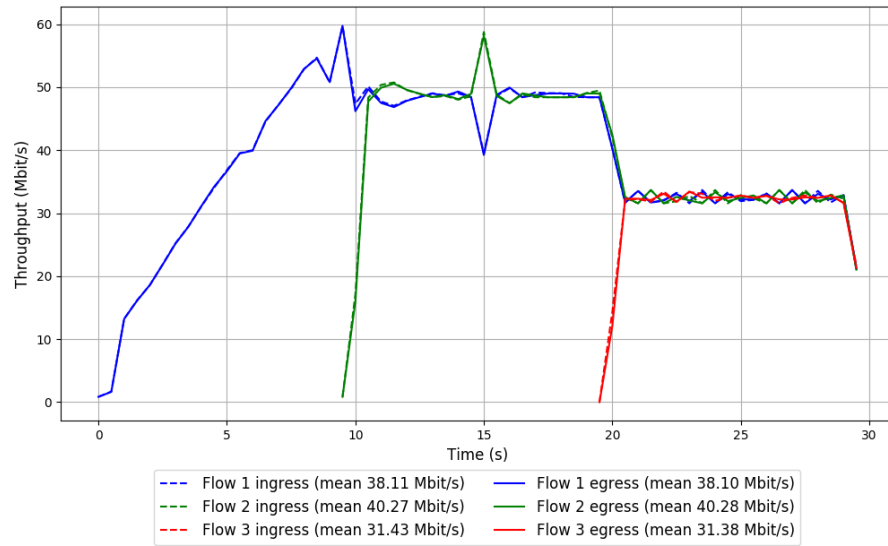


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-13 15:24:30
End at: 2018-02-13 15:25:00
Local clock offset: -5.709 ms
Remote clock offset: -5.309 ms

Below is generated by plot.py at 2018-02-13 20:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 35.157 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 34.475 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 35.207 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 35.247 ms
Loss rate: 0.41%

Run 6: Report of QUIC Cubic — Data Link

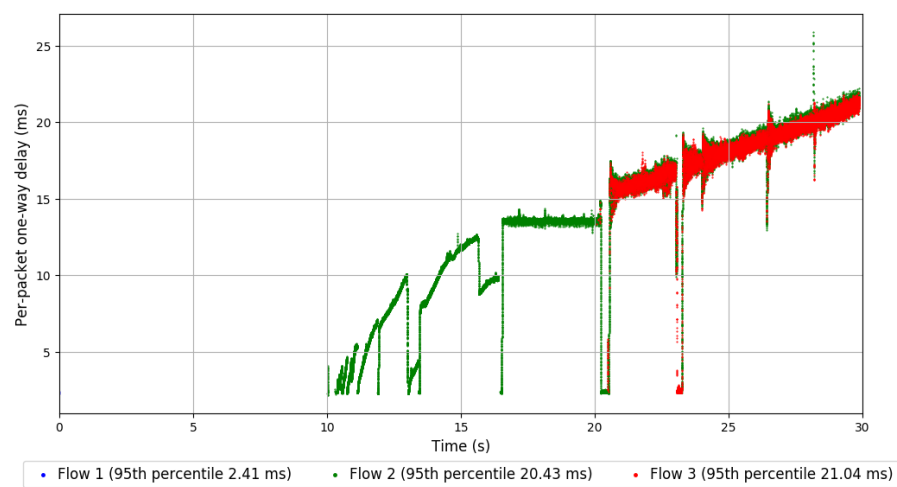
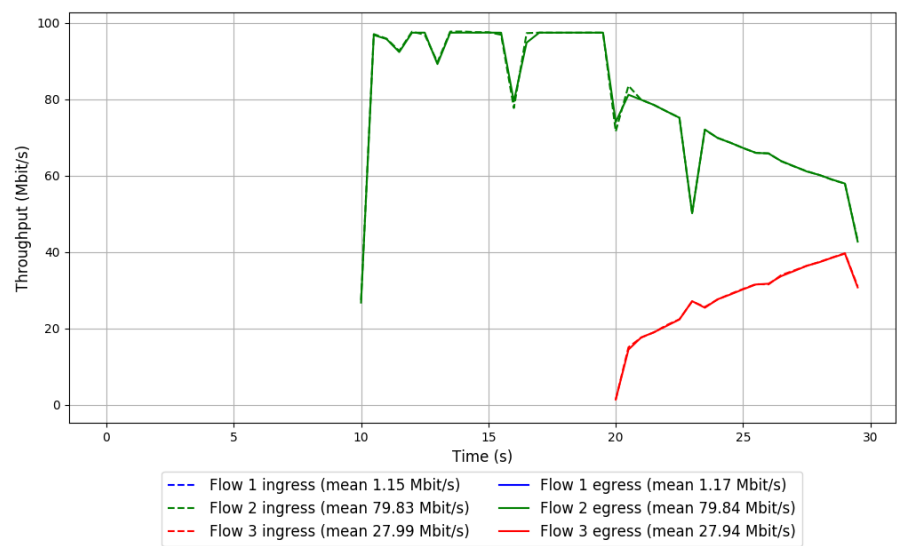


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-13 15:44:52
End at: 2018-02-13 15:45:22
Local clock offset: -5.555 ms
Remote clock offset: -5.512 ms

Below is generated by plot.py at 2018-02-13 20:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 20.660 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 2.409 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.84 Mbit/s
95th percentile per-packet one-way delay: 20.427 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 21.041 ms
Loss rate: 0.36%

Run 7: Report of QUIC Cubic — Data Link

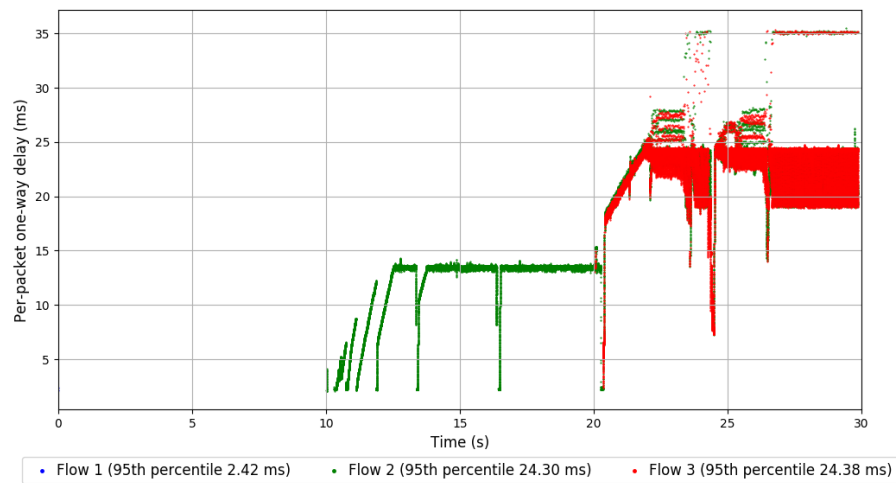
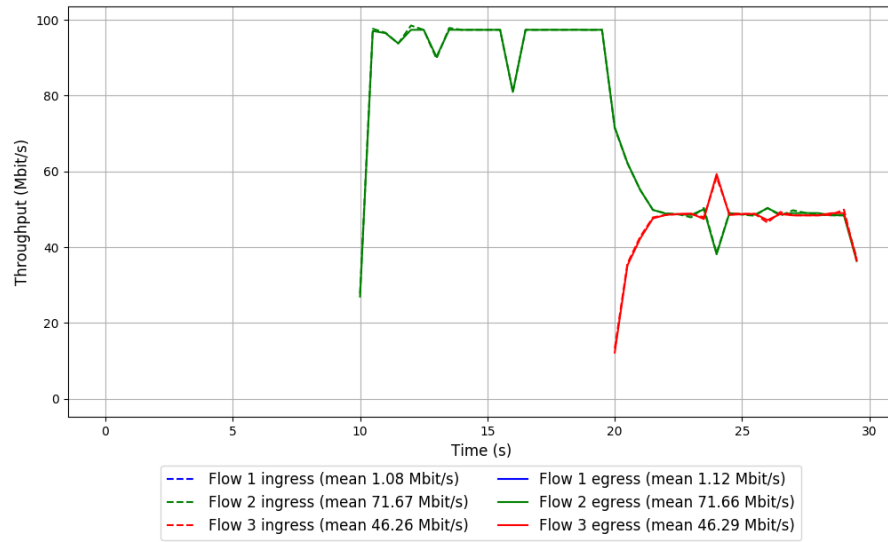


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-13 16:05:15
End at: 2018-02-13 16:05:45
Local clock offset: -5.652 ms
Remote clock offset: -5.375 ms

Below is generated by plot.py at 2018-02-13 20:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 24.330 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.418 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.66 Mbit/s
95th percentile per-packet one-way delay: 24.295 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 24.383 ms
Loss rate: 0.24%

Run 8: Report of QUIC Cubic — Data Link

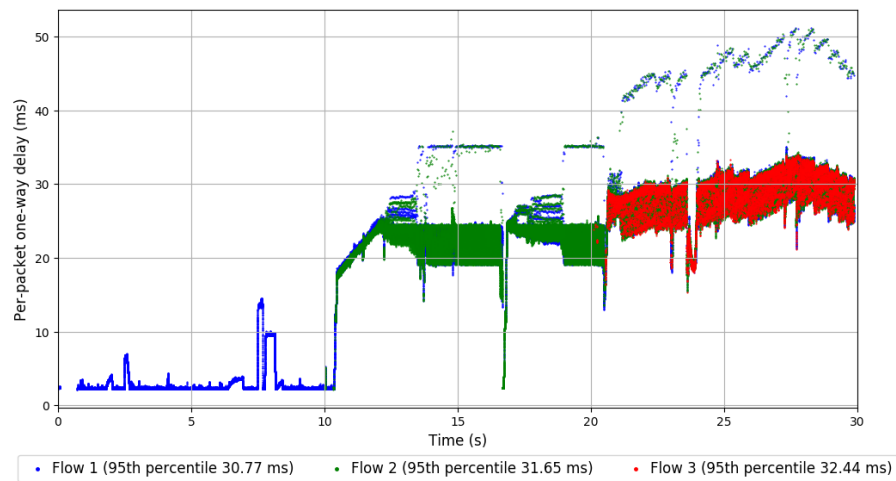
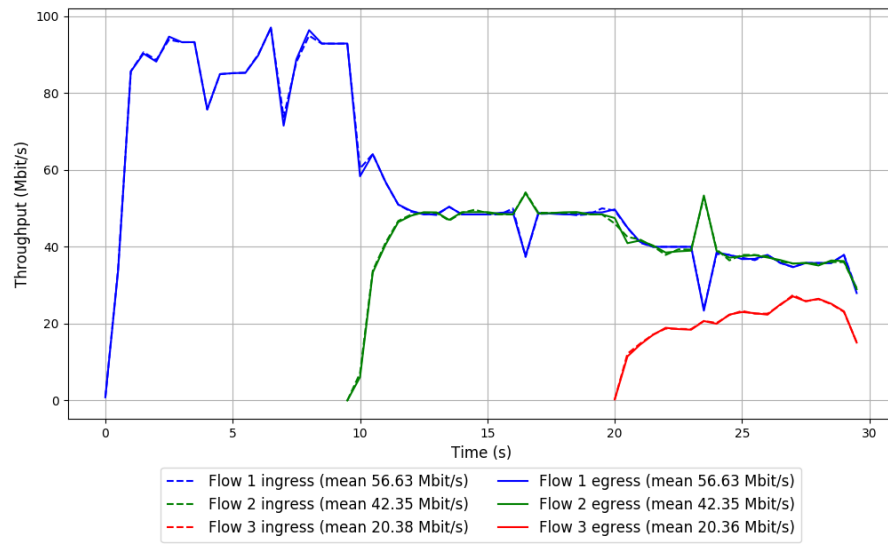


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-13 16:25:38
End at: 2018-02-13 16:26:08
Local clock offset: -5.639 ms
Remote clock offset: -5.192 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 31.407 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 30.775 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 42.35 Mbit/s
95th percentile per-packet one-way delay: 31.649 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 32.438 ms
Loss rate: 0.39%

Run 9: Report of QUIC Cubic — Data Link

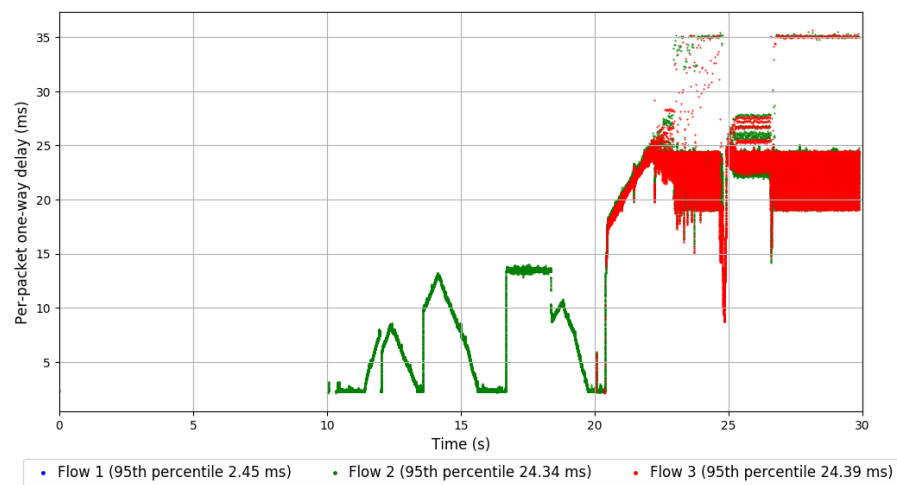
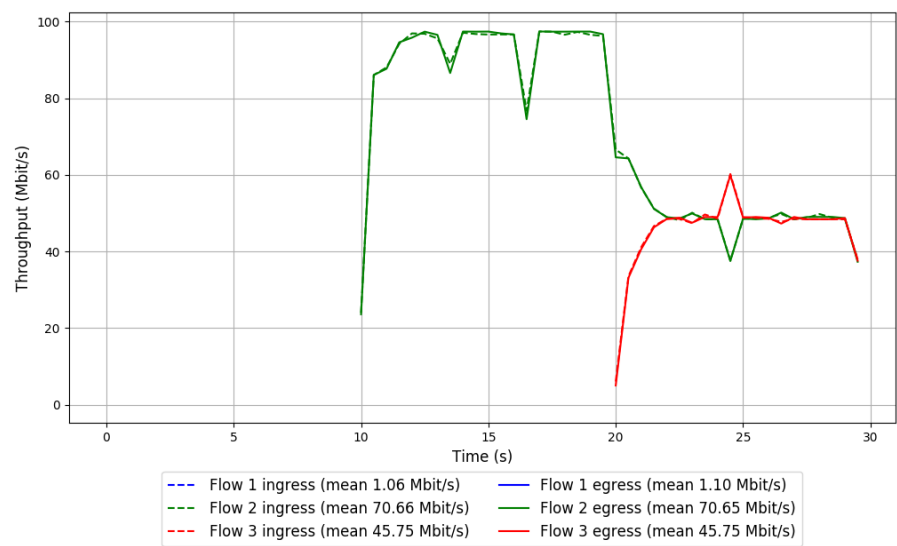


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-13 16:46:01
End at: 2018-02-13 16:46:31
Local clock offset: -5.461 ms
Remote clock offset: -5.183 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 24.357 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.65 Mbit/s
95th percentile per-packet one-way delay: 24.337 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 24.386 ms
Loss rate: 0.24%

Run 10: Report of QUIC Cubic — Data Link

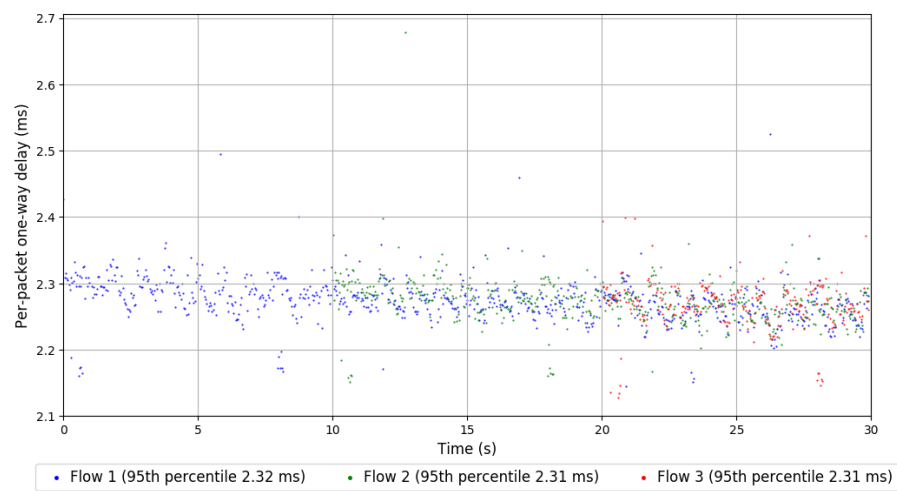
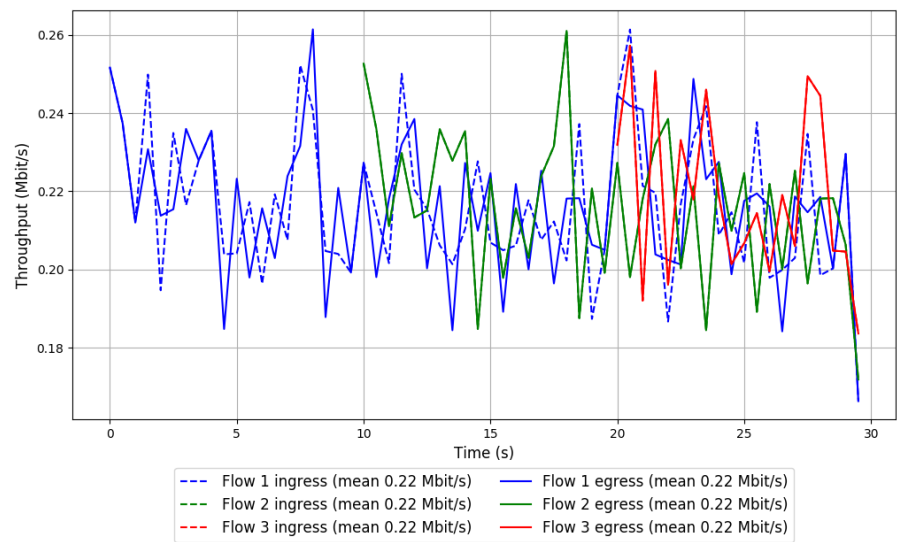


Run 1: Statistics of SReAM

Start at: 2018-02-13 13:43:38
End at: 2018-02-13 13:44:08
Local clock offset: -4.449 ms
Remote clock offset: -5.068 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.320 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.308 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

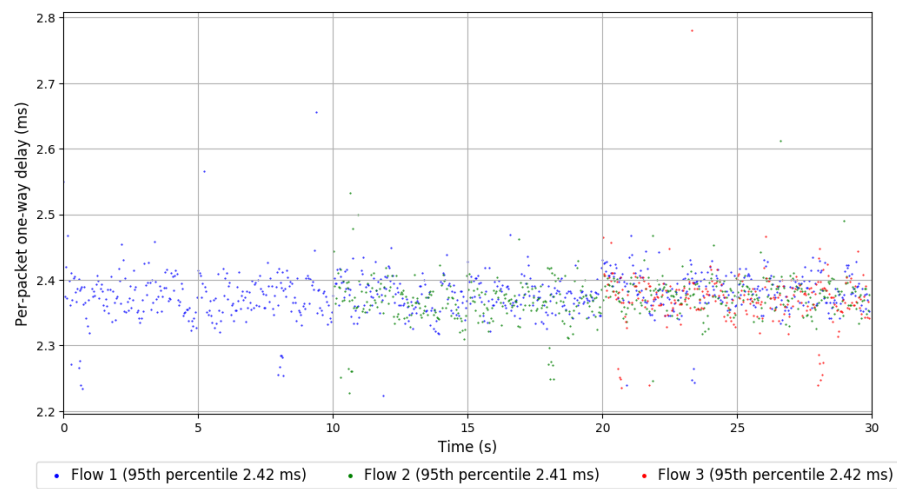
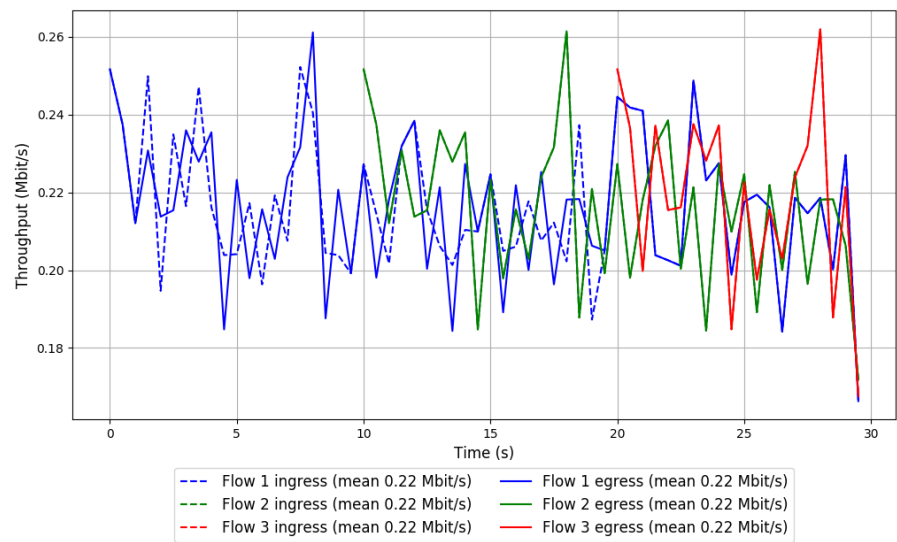


Run 2: Statistics of SReAM

Start at: 2018-02-13 14:04:04
End at: 2018-02-13 14:04:34
Local clock offset: -5.231 ms
Remote clock offset: -5.609 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.416 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

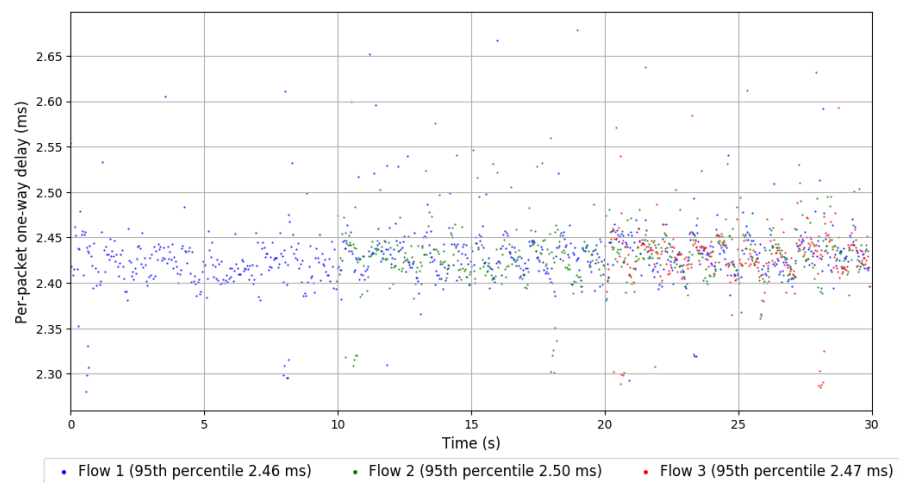
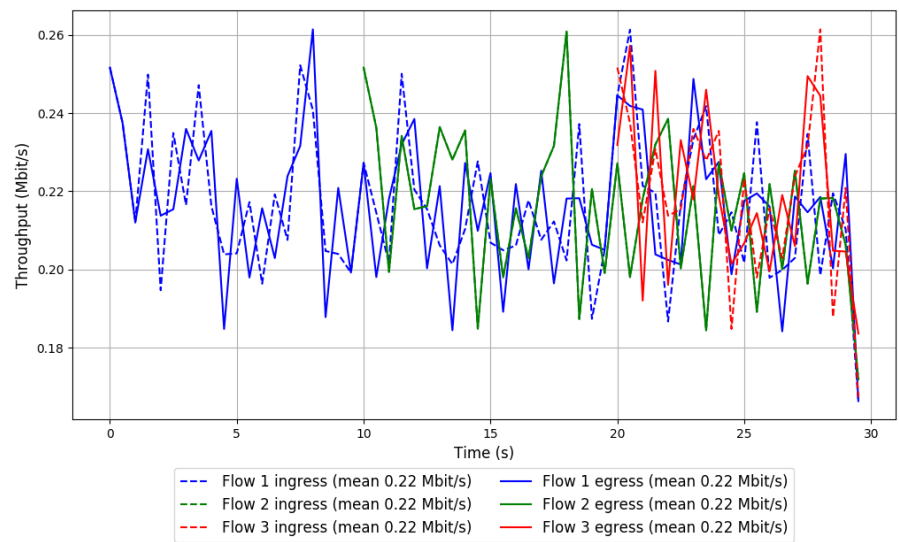


Run 3: Statistics of SReAM

Start at: 2018-02-13 14:24:28
End at: 2018-02-13 14:24:58
Local clock offset: -5.438 ms
Remote clock offset: -5.364 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.470 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

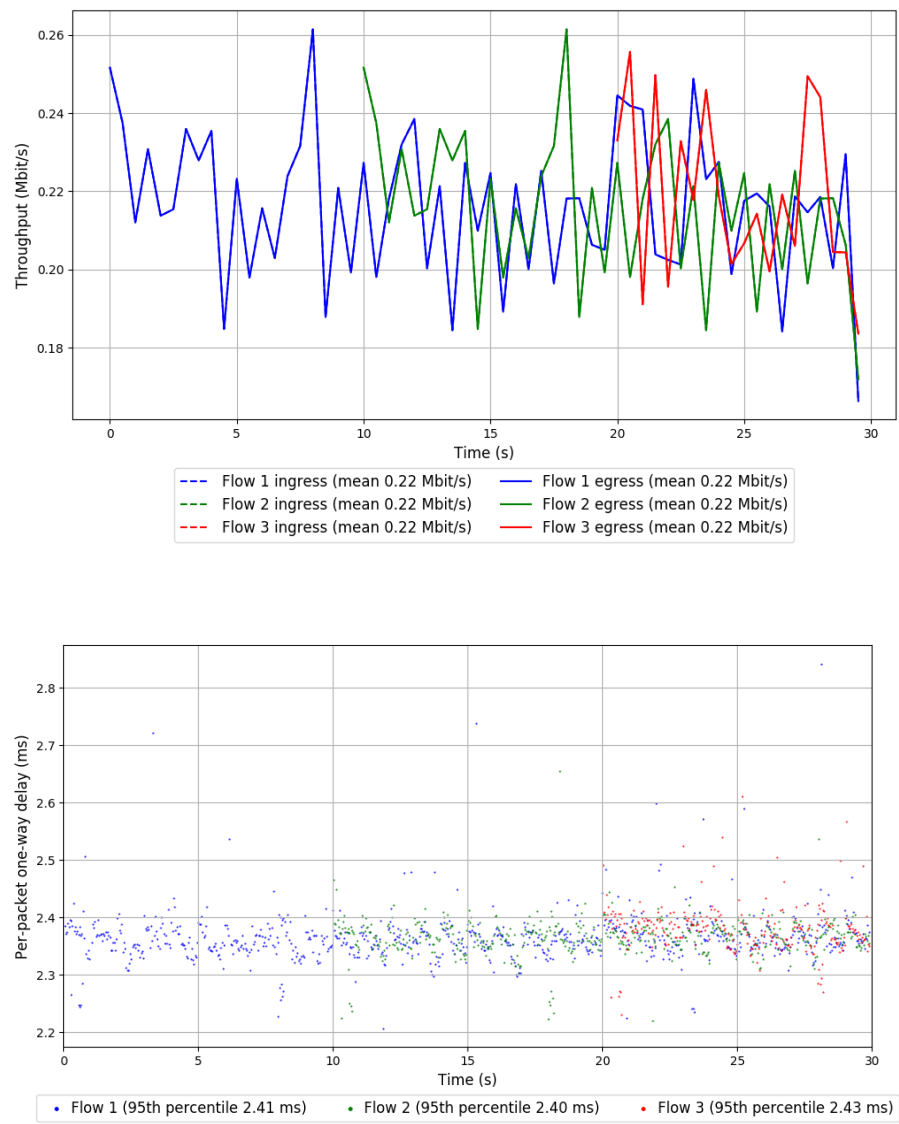


Run 4: Statistics of SReAM

Start at: 2018-02-13 14:44:50
End at: 2018-02-13 14:45:20
Local clock offset: -5.596 ms
Remote clock offset: -5.029 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

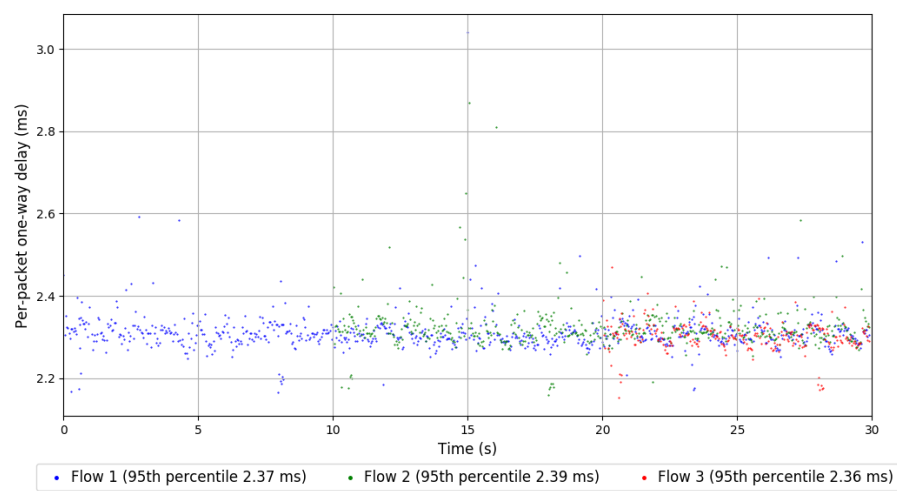
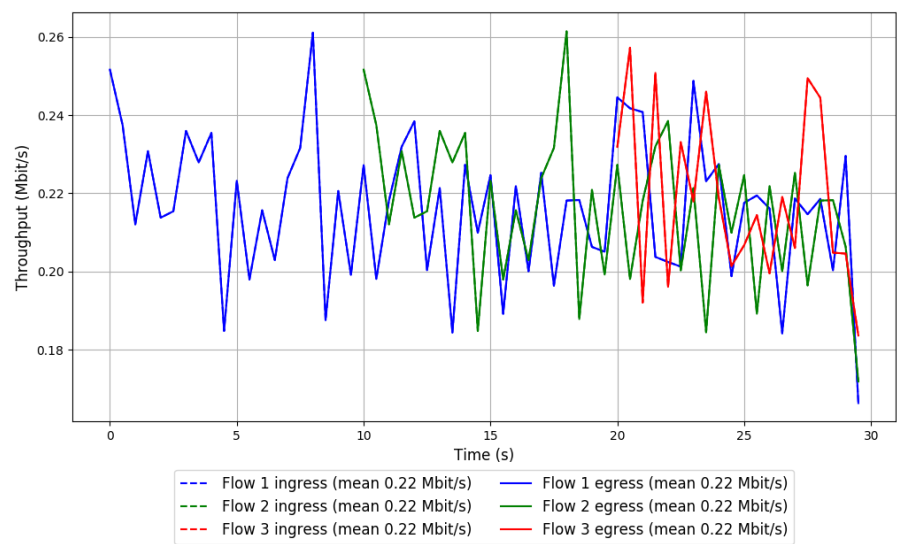


Run 5: Statistics of SReAM

Start at: 2018-02-13 15:05:15
End at: 2018-02-13 15:05:45
Local clock offset: -5.666 ms
Remote clock offset: -5.229 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.392 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.357 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-02-13 15:25:38

End at: 2018-02-13 15:26:08

Local clock offset: -5.601 ms

Remote clock offset: -5.35 ms

Below is generated by plot.py at 2018-02-13 20:26:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.548 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.557 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.506 ms

Loss rate: 0.00%

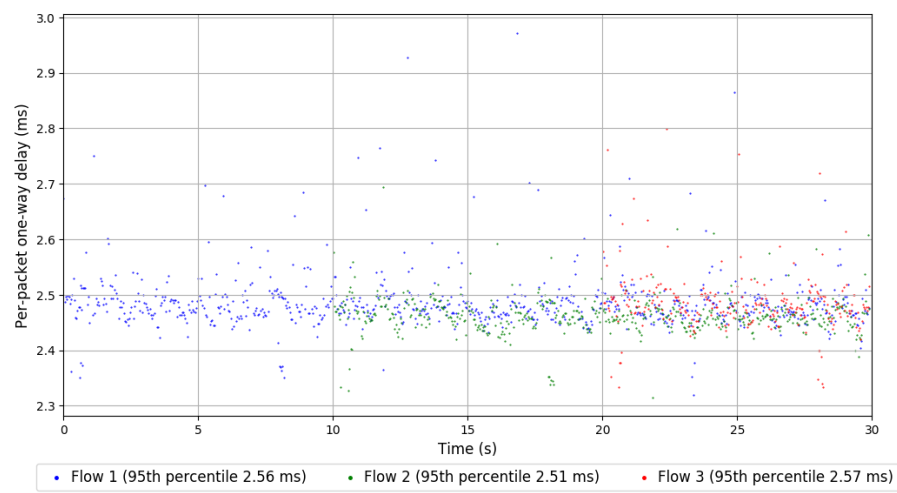
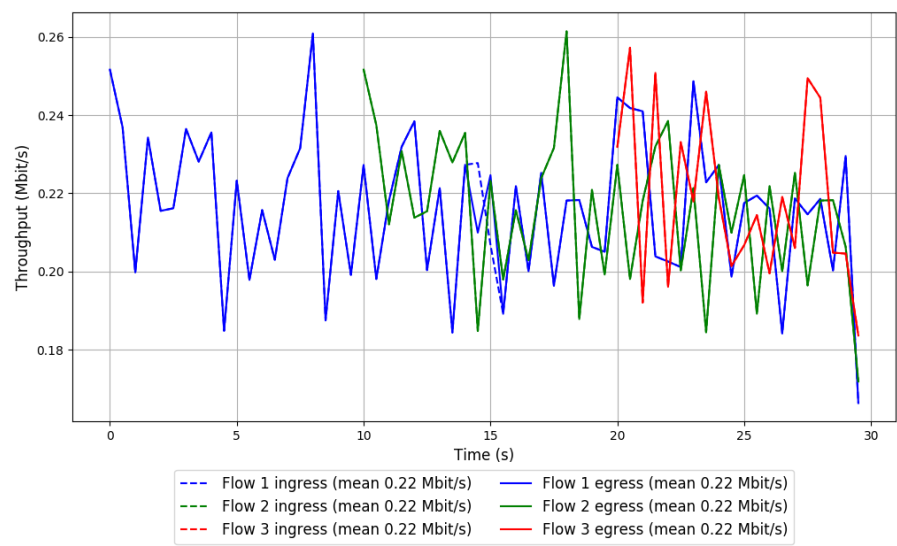
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.569 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

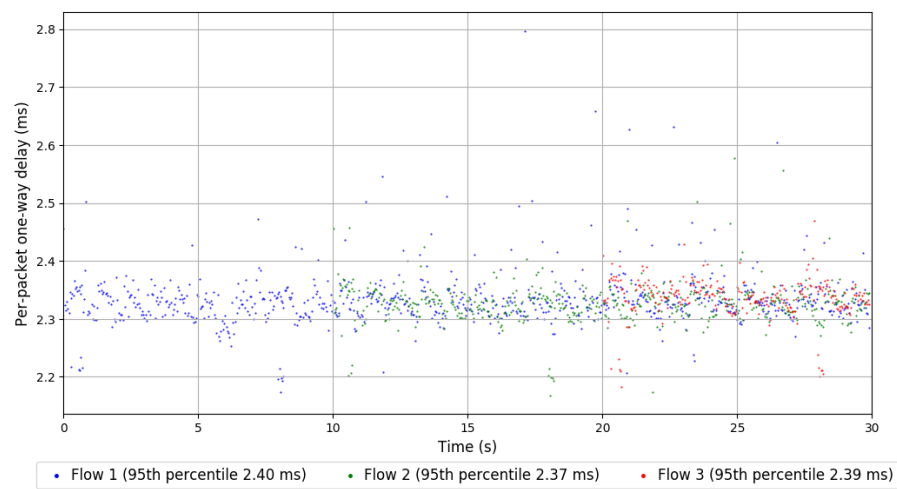
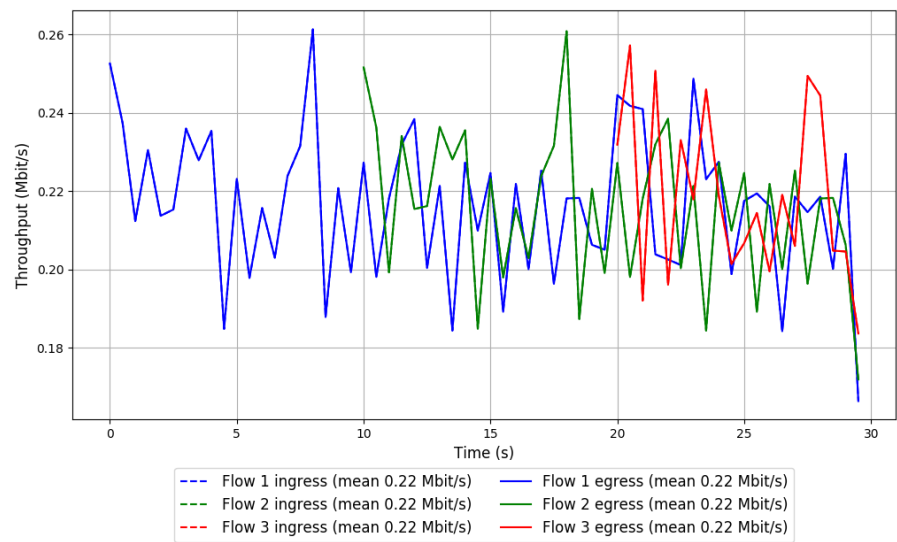


Run 7: Statistics of SReAM

Start at: 2018-02-13 15:45:59
End at: 2018-02-13 15:46:29
Local clock offset: -5.555 ms
Remote clock offset: -5.493 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

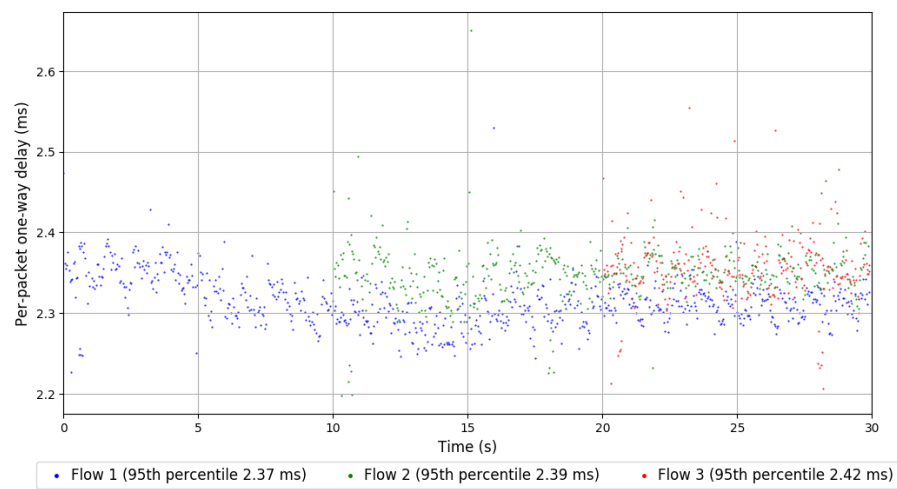
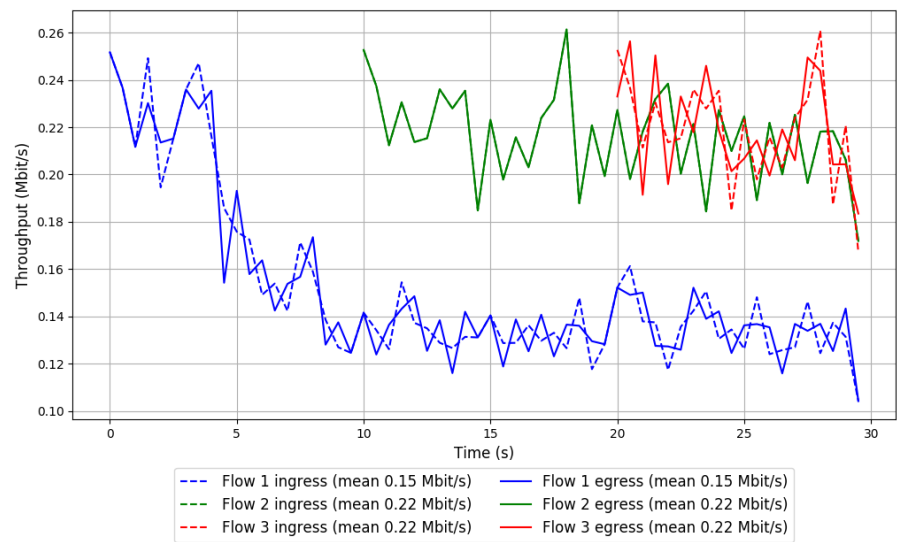


Run 8: Statistics of SReAM

Start at: 2018-02-13 16:06:22
End at: 2018-02-13 16:06:52
Local clock offset: -5.564 ms
Remote clock offset: -5.369 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.424 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

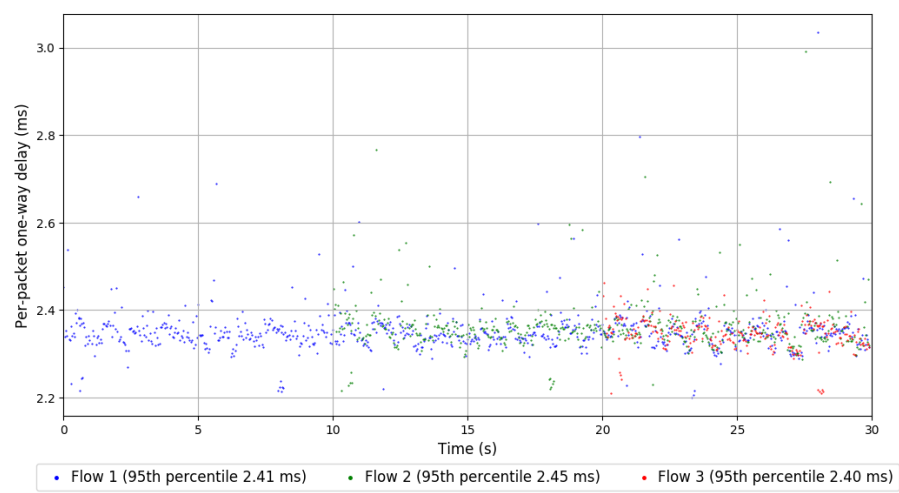
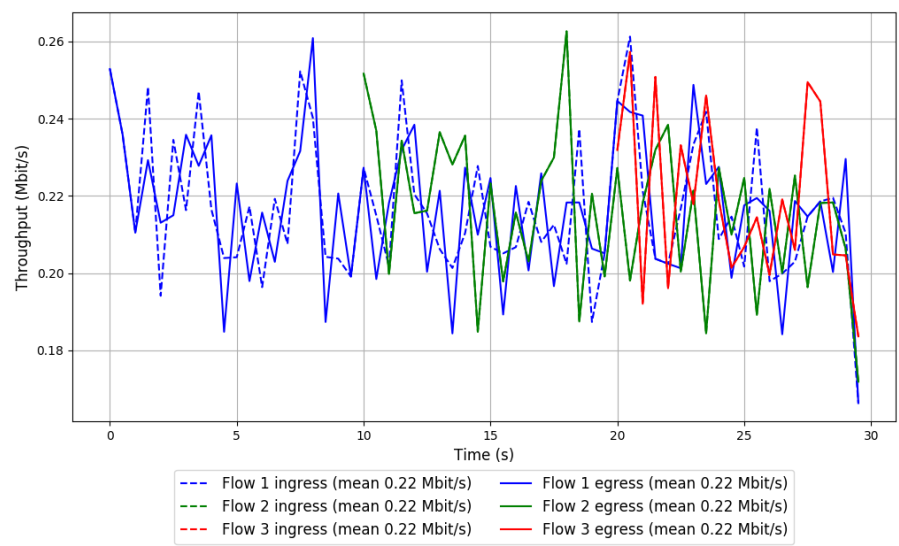


Run 9: Statistics of SReAM

Start at: 2018-02-13 16:26:46
End at: 2018-02-13 16:27:16
Local clock offset: -5.631 ms
Remote clock offset: -5.193 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.412 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.448 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.397 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

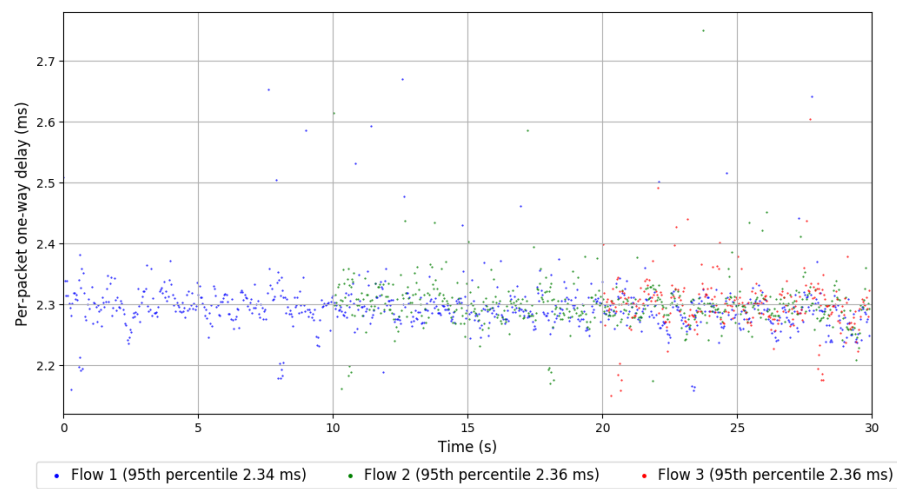
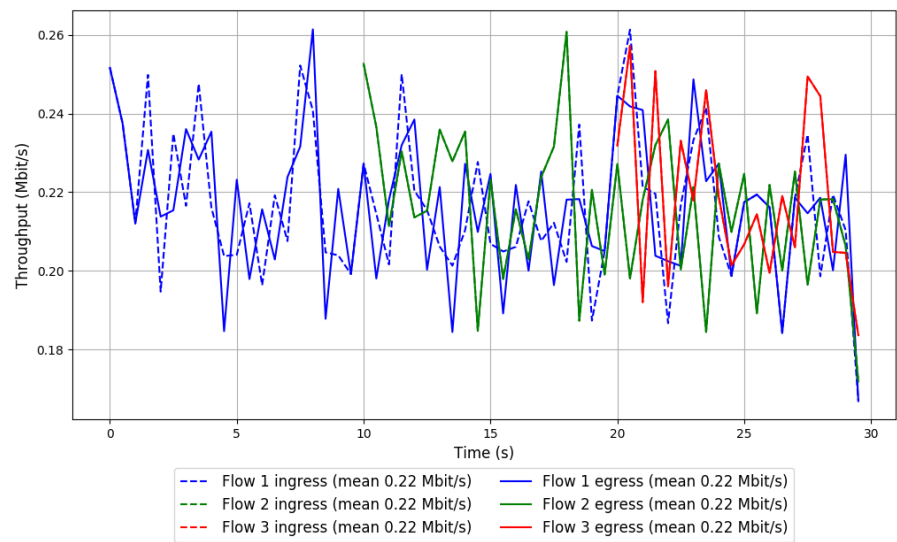


Run 10: Statistics of SReAM

Start at: 2018-02-13 16:47:08
End at: 2018-02-13 16:47:38
Local clock offset: -5.433 ms
Remote clock offset: -5.217 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.361 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

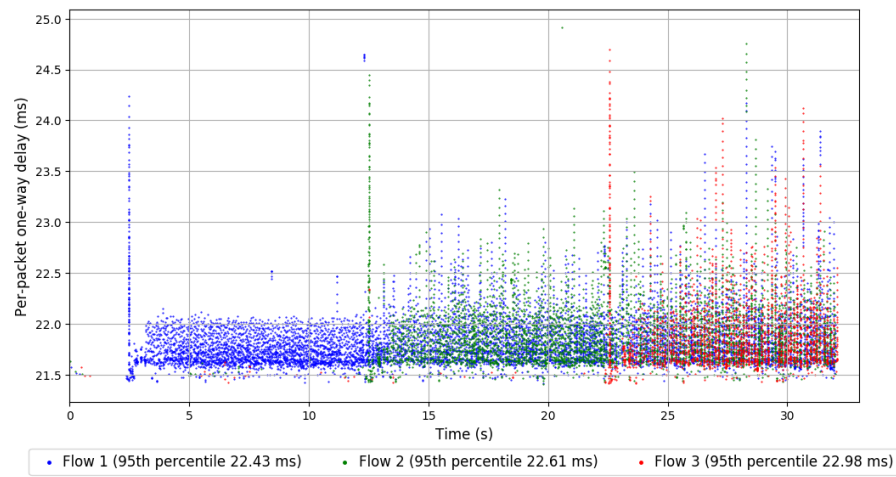
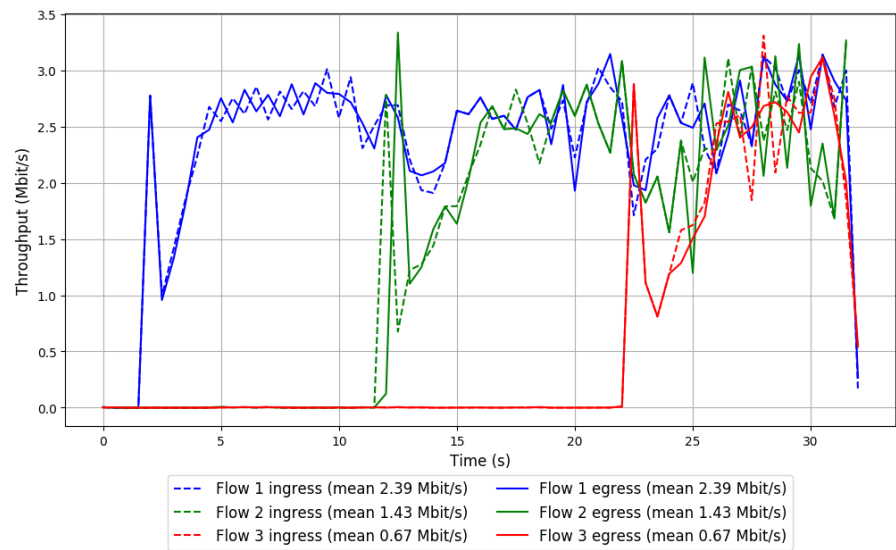


Run 1: Statistics of WebRTC media

Start at: 2018-02-13 13:36:51
End at: 2018-02-13 13:37:21
Local clock offset: -4.542 ms
Remote clock offset: -24.355 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 22.573 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 22.428 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 22.608 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 22.983 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

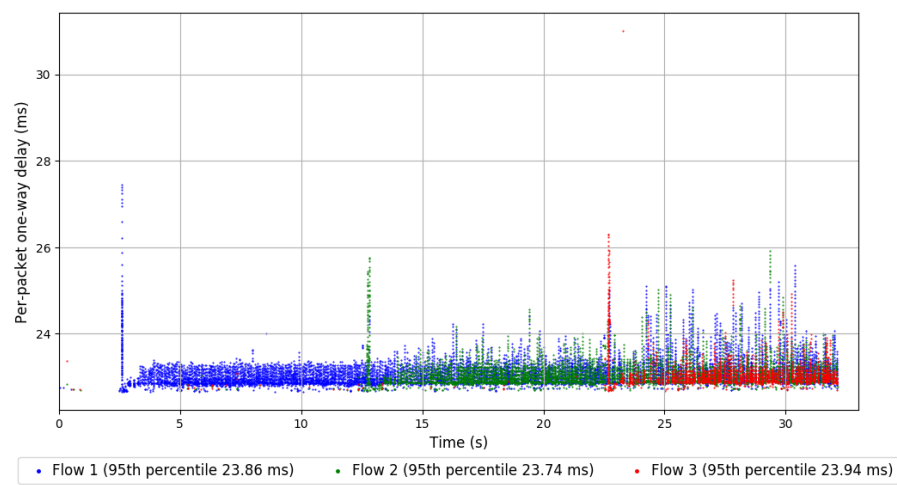
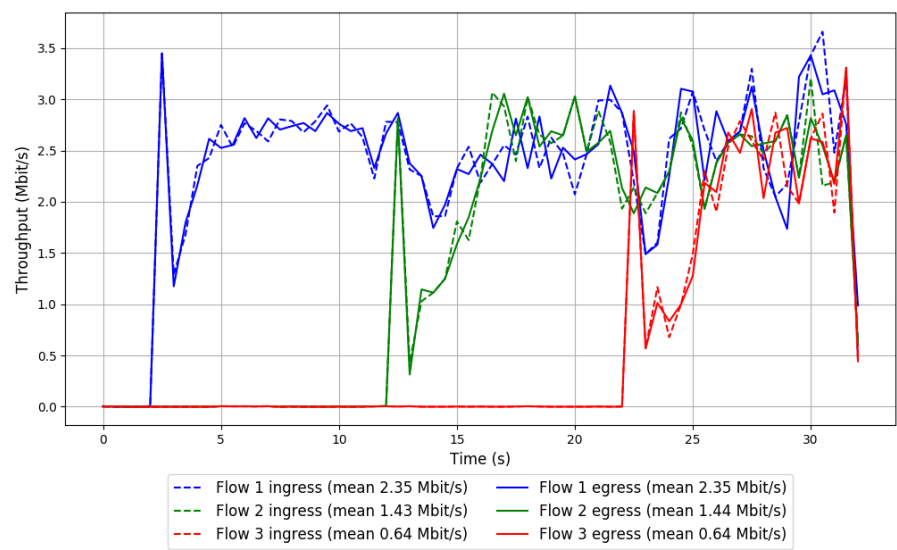


Run 2: Statistics of WebRTC media

Start at: 2018-02-13 13:57:16
End at: 2018-02-13 13:57:46
Local clock offset: -4.88 ms
Remote clock offset: -25.972 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 23.831 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 23.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 23.741 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 23.939 ms
Loss rate: 0.05%

Run 2: Report of WebRTC media — Data Link

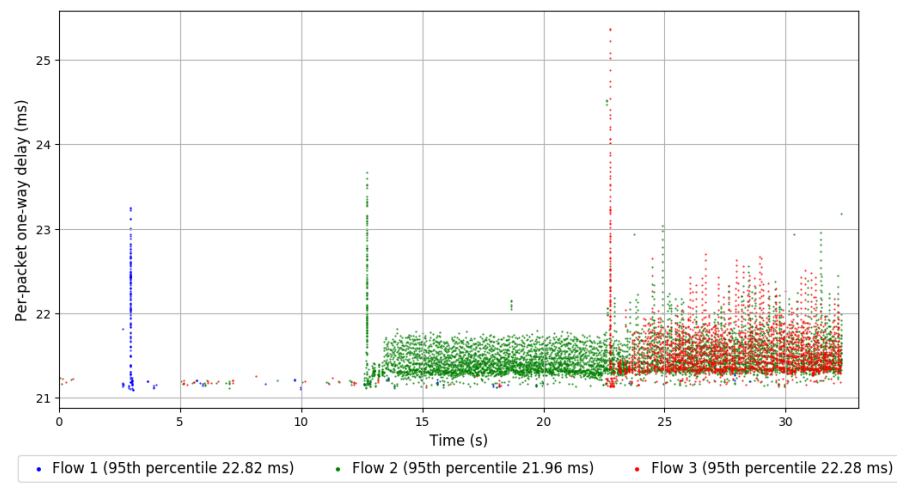
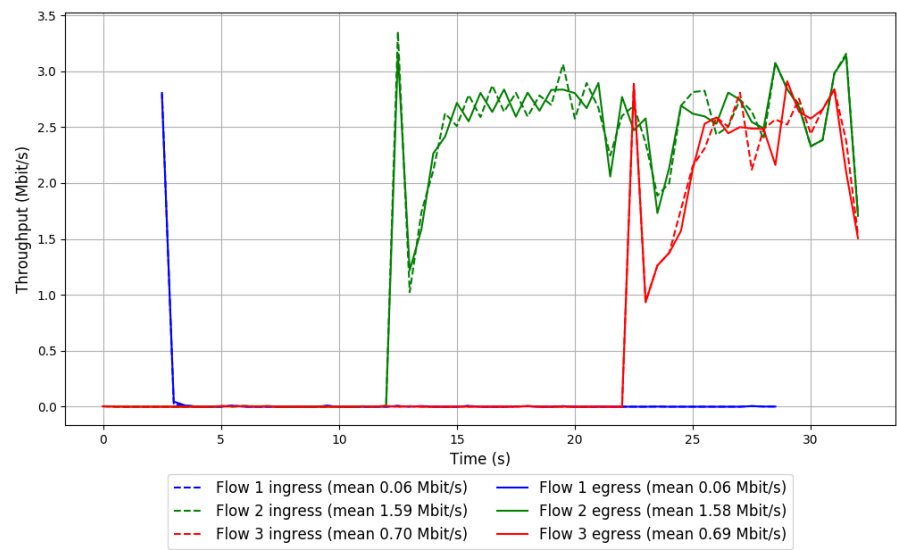


Run 3: Statistics of WebRTC media

Start at: 2018-02-13 14:17:41
End at: 2018-02-13 14:18:11
Local clock offset: -5.386 ms
Remote clock offset: -24.474 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 22.122 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 22.822 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 21.957 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 22.276 ms
Loss rate: 0.70%

Run 3: Report of WebRTC media — Data Link

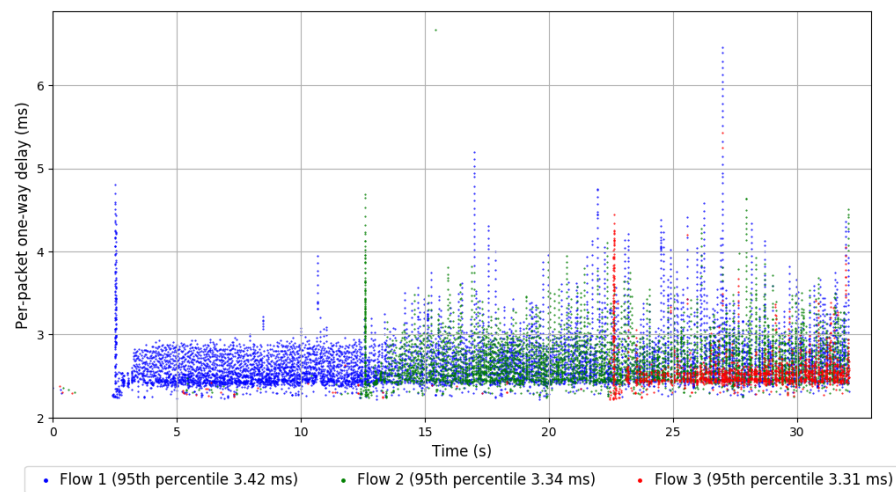
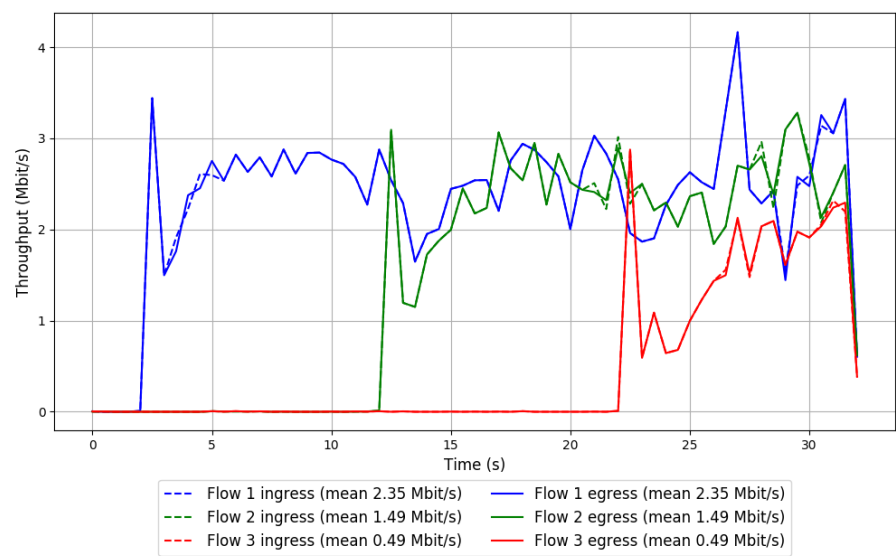


Run 4: Statistics of WebRTC media

Start at: 2018-02-13 14:38:03
End at: 2018-02-13 14:38:33
Local clock offset: -5.556 ms
Remote clock offset: -5.159 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 3.381 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 3.419 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 3.336 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 3.310 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

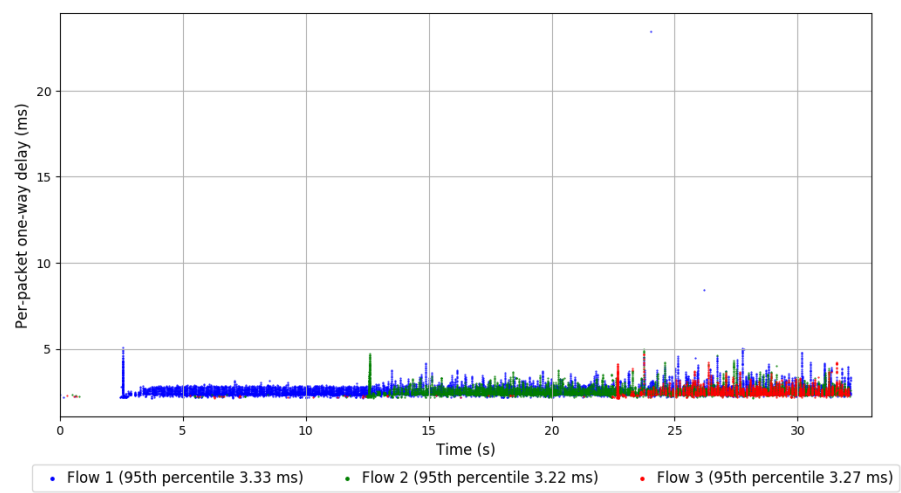


Run 5: Statistics of WebRTC media

Start at: 2018-02-13 14:58:26
End at: 2018-02-13 14:58:56
Local clock offset: -5.65 ms
Remote clock offset: -5.162 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 3.281 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 3.216 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.265 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

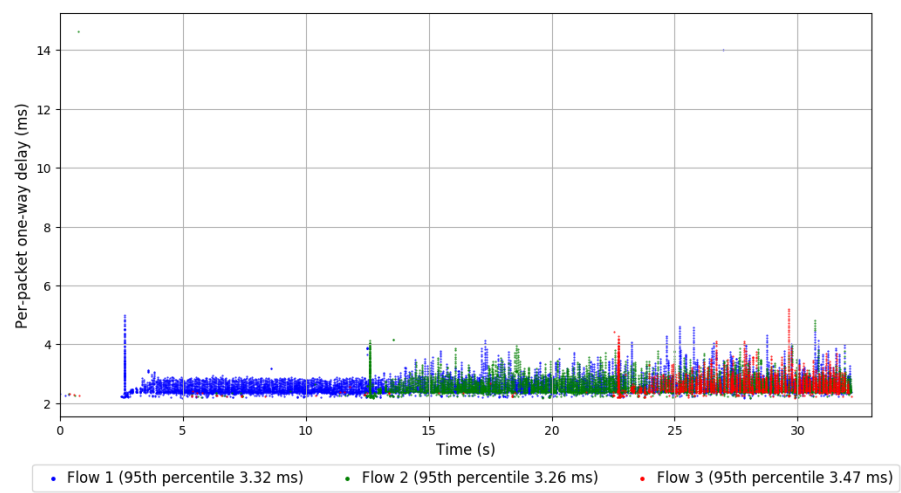
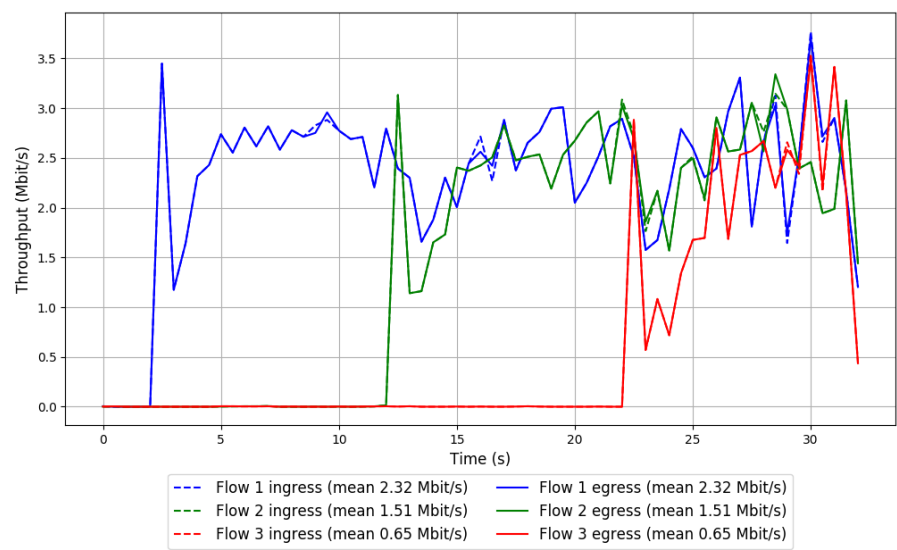


Run 6: Statistics of WebRTC media

Start at: 2018-02-13 15:18:50
End at: 2018-02-13 15:19:20
Local clock offset: -5.626 ms
Remote clock offset: -5.275 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 3.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.467 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

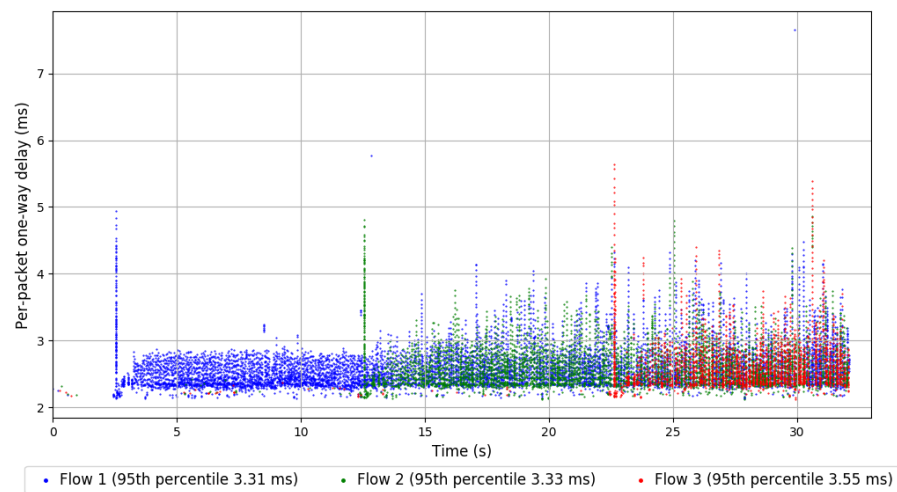
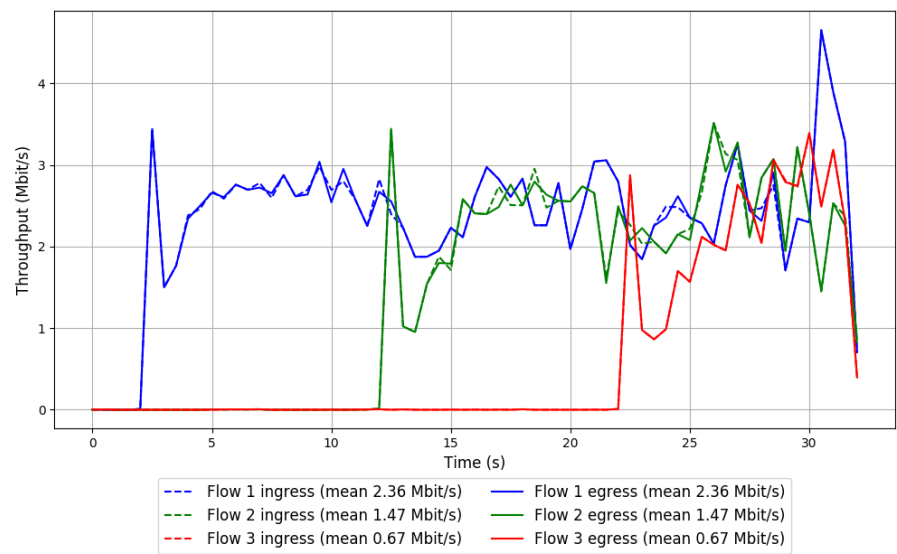


Run 7: Statistics of WebRTC media

Start at: 2018-02-13 15:39:13
End at: 2018-02-13 15:39:43
Local clock offset: -5.596 ms
Remote clock offset: -5.46 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 3.340 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.307 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.329 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 3.546 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

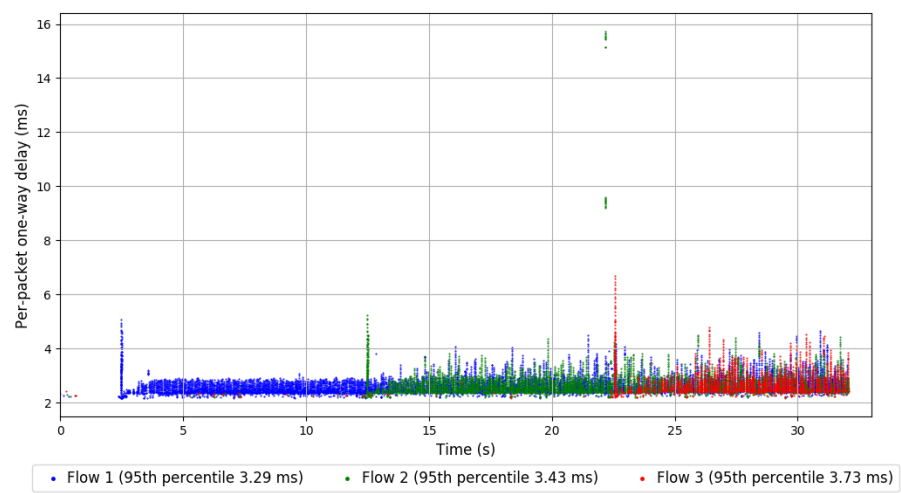
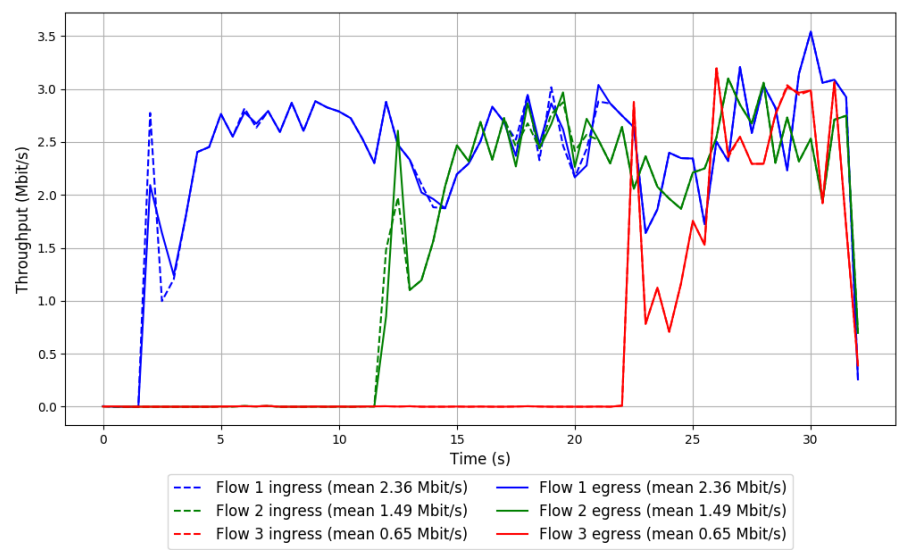


Run 8: Statistics of WebRTC media

Start at: 2018-02-13 15:59:35
End at: 2018-02-13 16:00:05
Local clock offset: -5.552 ms
Remote clock offset: -5.575 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 3.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 3.426 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.731 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

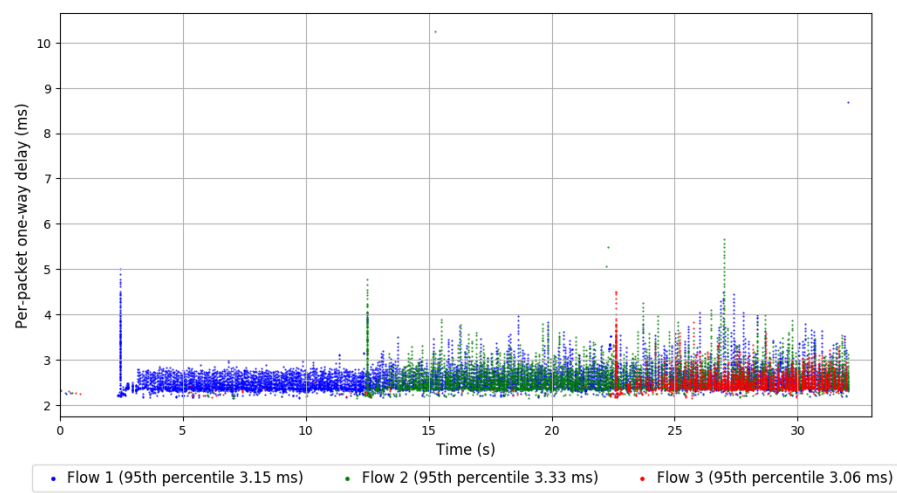
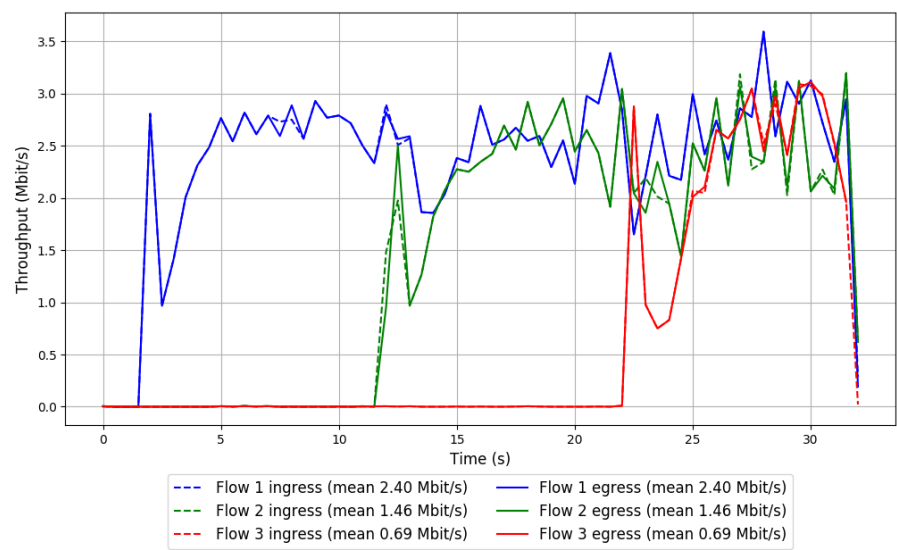


Run 9: Statistics of WebRTC media

Start at: 2018-02-13 16:19:59
End at: 2018-02-13 16:20:29
Local clock offset: -5.605 ms
Remote clock offset: -5.212 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 3.206 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 3.155 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 3.325 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 3.061 ms
Loss rate: 0.05%

Run 9: Report of WebRTC media — Data Link

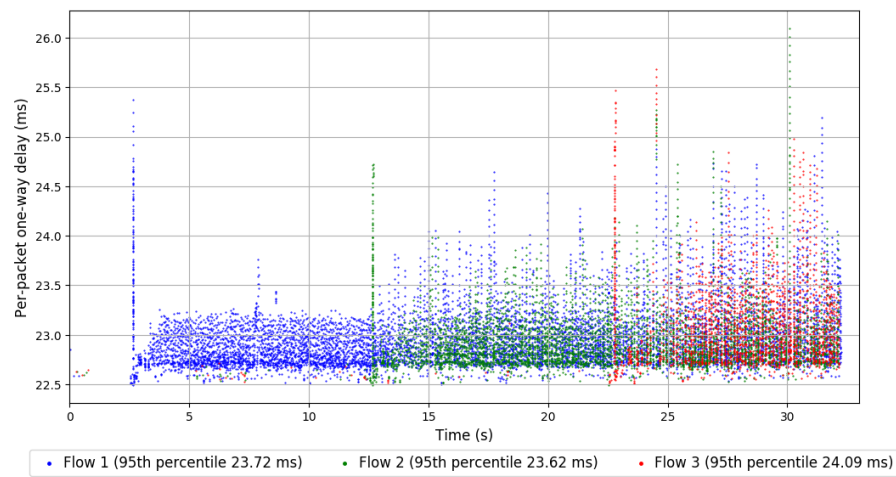
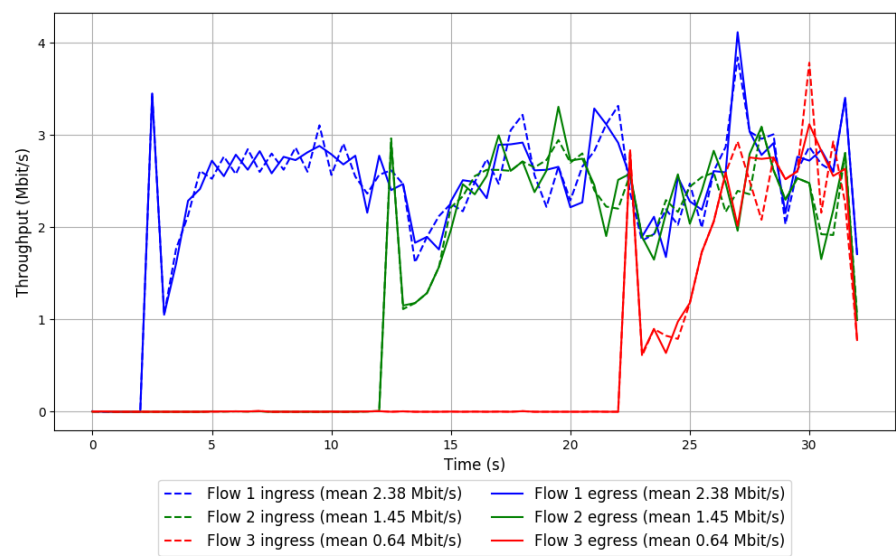


Run 10: Statistics of WebRTC media

Start at: 2018-02-13 16:40:21
End at: 2018-02-13 16:40:51
Local clock offset: -5.697 ms
Remote clock offset: -25.615 ms

Below is generated by plot.py at 2018-02-13 20:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 23.754 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 23.716 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 23.620 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 24.091 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

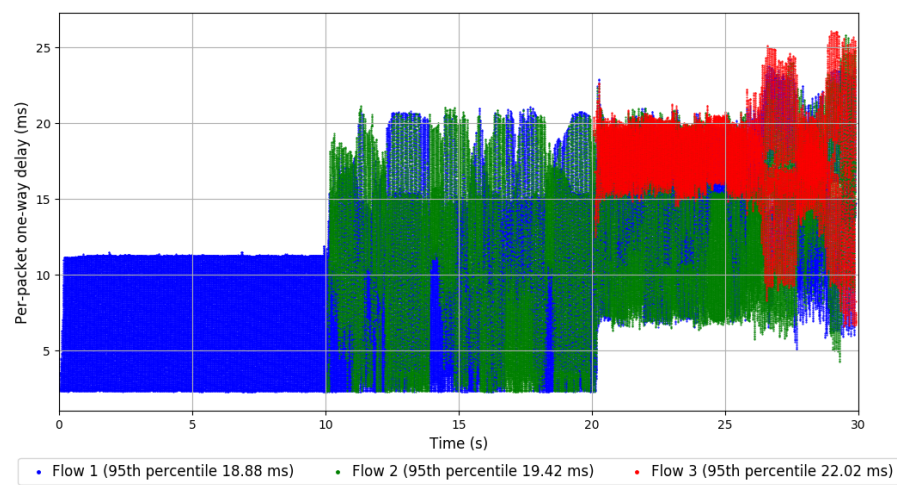
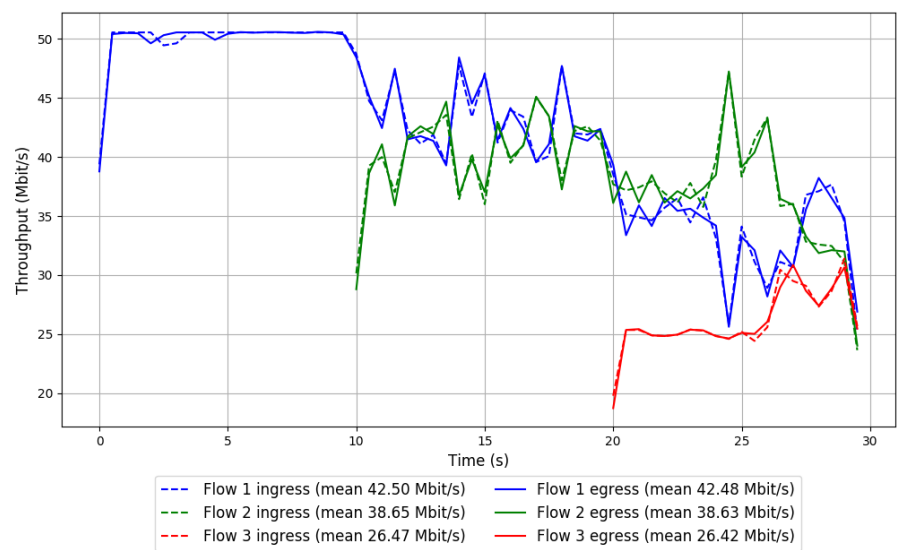


Run 1: Statistics of Sprout

Start at: 2018-02-13 13:28:54
End at: 2018-02-13 13:29:24
Local clock offset: -4.793 ms
Remote clock offset: -5.097 ms

Below is generated by plot.py at 2018-02-13 20:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 19.660 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 19.418 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 26.42 Mbit/s
95th percentile per-packet one-way delay: 22.022 ms
Loss rate: 0.23%

Run 1: Report of Sprout — Data Link

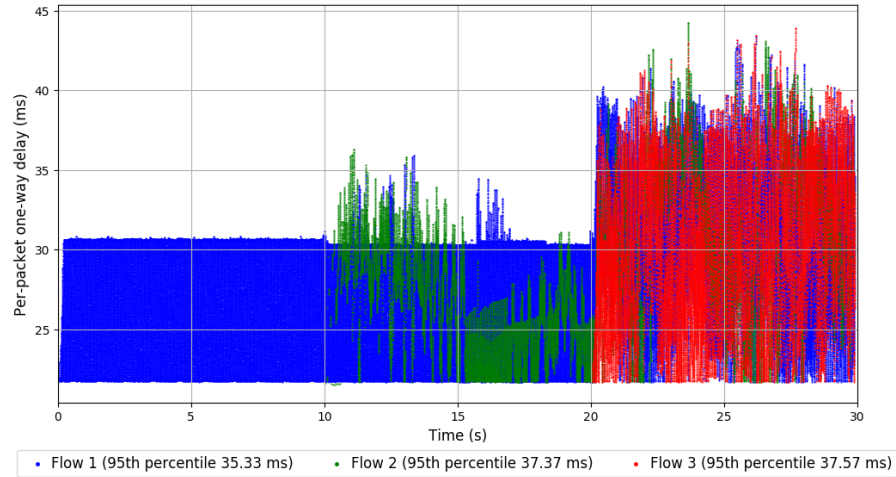
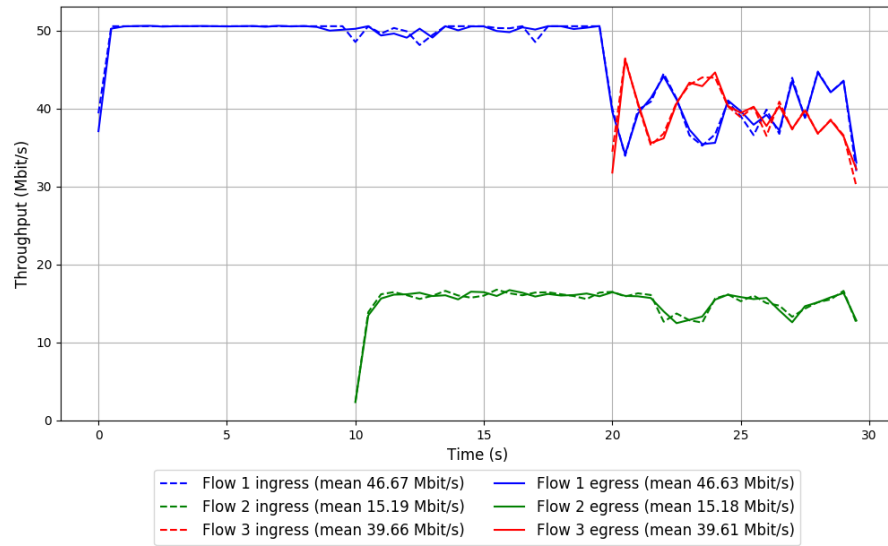


Run 2: Statistics of Sprout

Start at: 2018-02-13 13:49:20
End at: 2018-02-13 13:49:50
Local clock offset: -4.343 ms
Remote clock offset: -24.741 ms

Below is generated by plot.py at 2018-02-13 20:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: 36.448 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 35.329 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 37.373 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 37.572 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

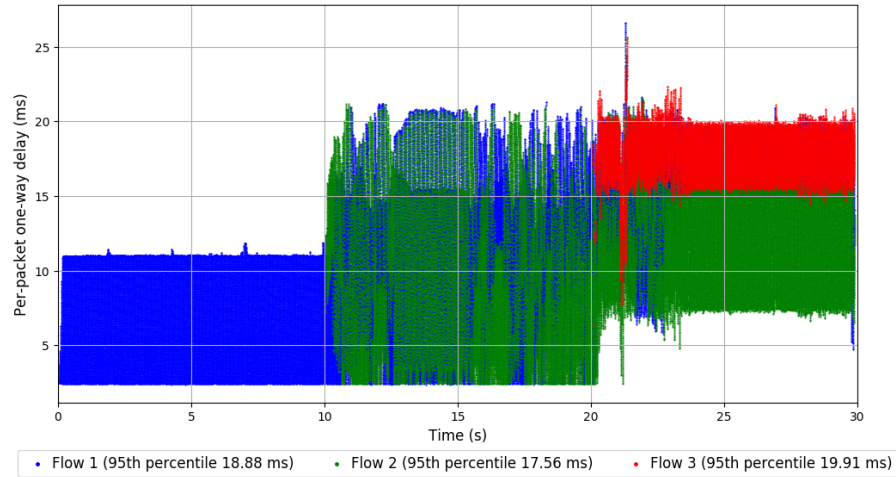
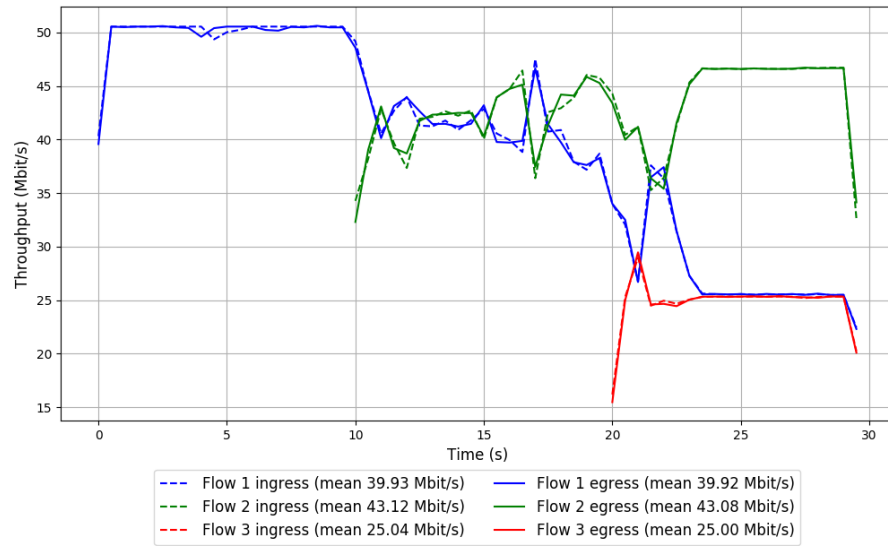


Run 3: Statistics of Sprout

Start at: 2018-02-13 14:09:46
End at: 2018-02-13 14:10:16
Local clock offset: -5.289 ms
Remote clock offset: -5.595 ms

```
# Below is generated by plot.py at 2018-02-13 20:27:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.79 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 43.08 Mbit/s
95th percentile per-packet one-way delay: 17.563 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 19.908 ms
Loss rate: 0.22%
```


Run 3: Report of Sprout — Data Link

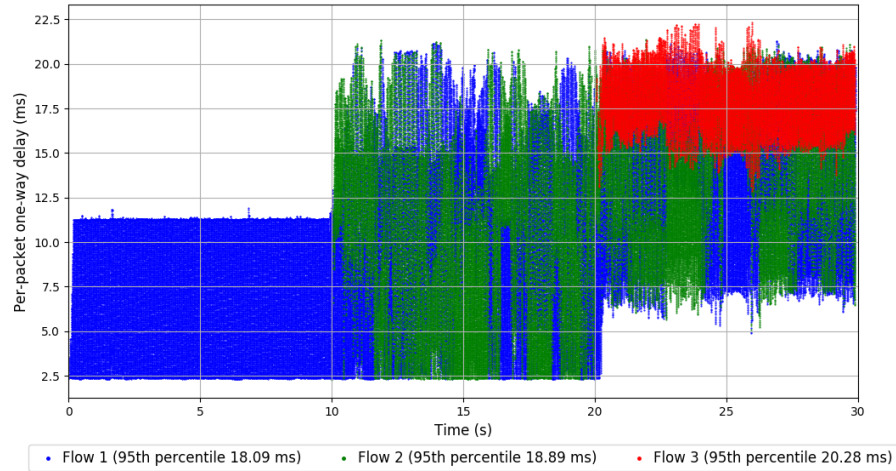
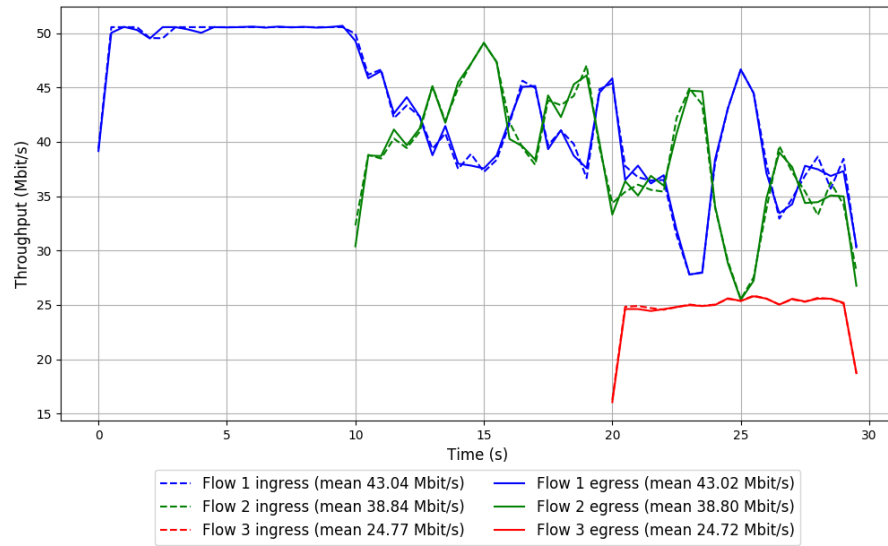


Run 4: Statistics of Sprout

Start at: 2018-02-13 14:30:07
End at: 2018-02-13 14:30:37
Local clock offset: -5.527 ms
Remote clock offset: -5.191 ms

```
# Below is generated by plot.py at 2018-02-13 20:27:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.98 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 18.089 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 18.895 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 20.282 ms
Loss rate: 0.20%
```

Run 4: Report of Sprout — Data Link

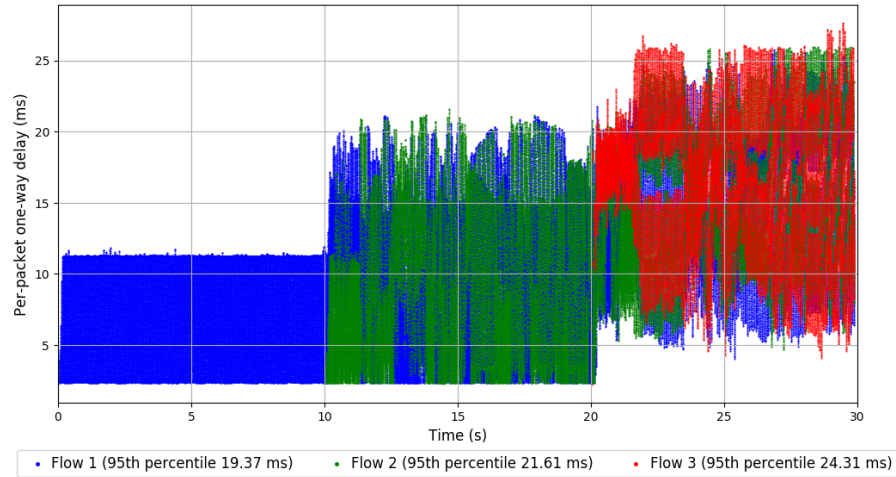
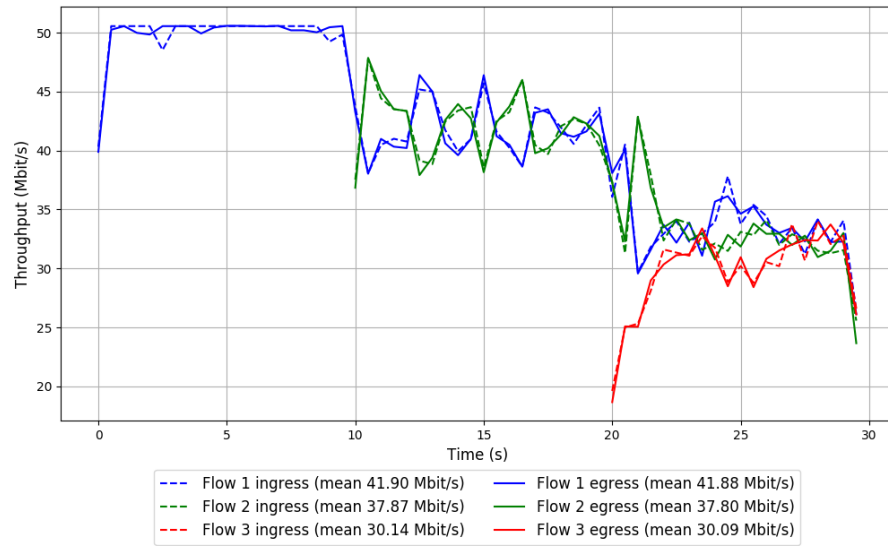


Run 5: Statistics of Sprout

Start at: 2018-02-13 14:50:31
End at: 2018-02-13 14:51:02
Local clock offset: -5.646 ms
Remote clock offset: -4.957 ms

Below is generated by plot.py at 2018-02-13 20:27:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 21.476 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 19.369 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 21.609 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 24.308 ms
Loss rate: 0.19%

Run 5: Report of Sprout — Data Link

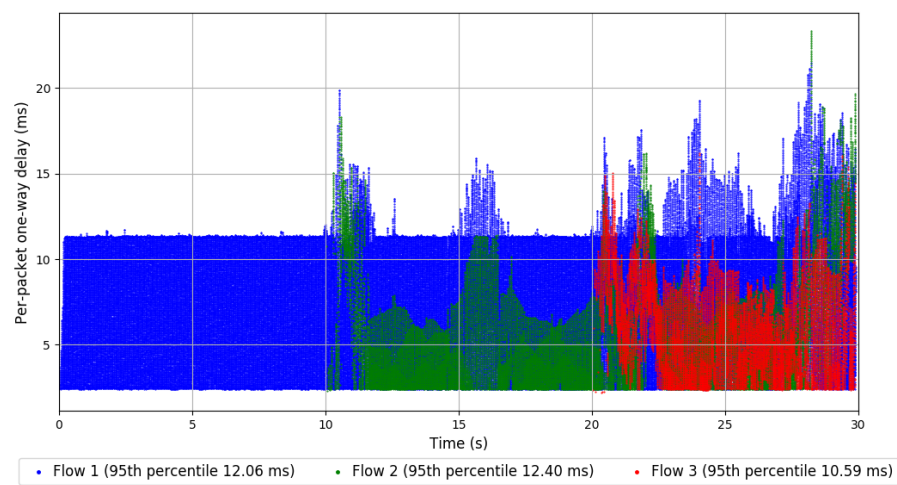
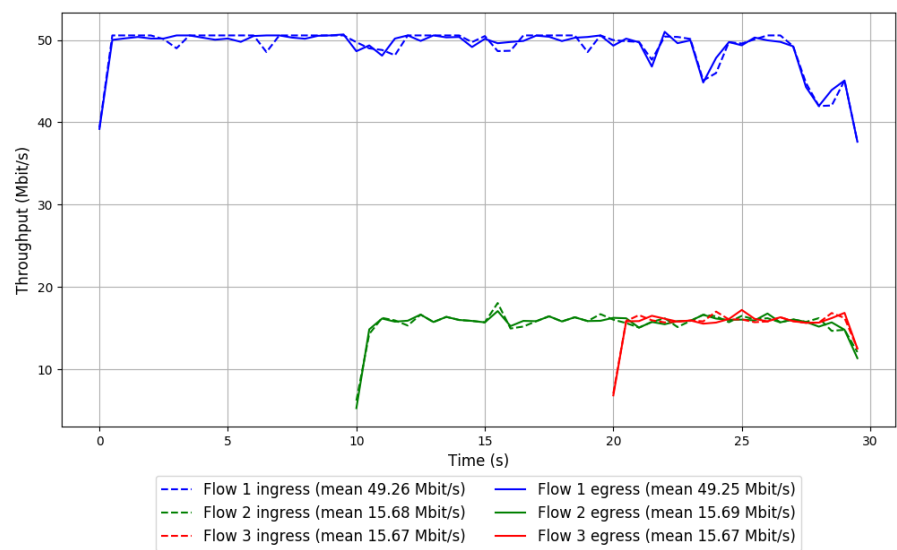


Run 6: Statistics of Sprout

Start at: 2018-02-13 15:10:57
End at: 2018-02-13 15:11:27
Local clock offset: -5.638 ms
Remote clock offset: -5.282 ms

Below is generated by plot.py at 2018-02-13 20:27:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 11.987 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 12.057 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 12.405 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 10.585 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

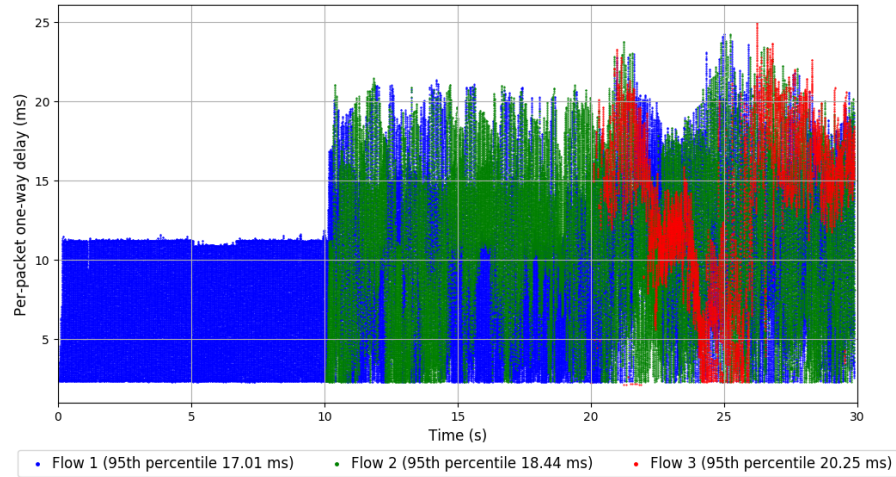
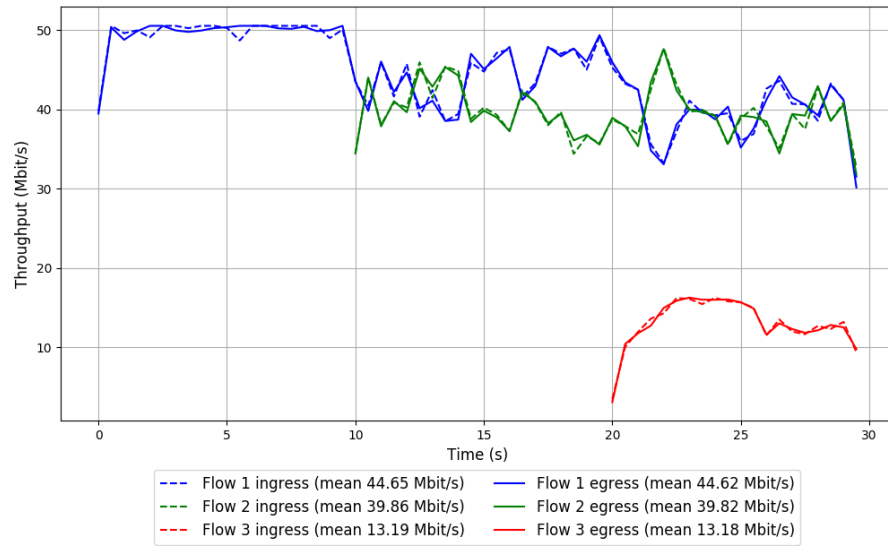


Run 7: Statistics of Sprout

Start at: 2018-02-13 15:31:19
End at: 2018-02-13 15:31:49
Local clock offset: -5.718 ms
Remote clock offset: -5.367 ms

Below is generated by plot.py at 2018-02-13 20:27:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 18.058 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 44.62 Mbit/s
95th percentile per-packet one-way delay: 17.013 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 18.437 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 13.18 Mbit/s
95th percentile per-packet one-way delay: 20.254 ms
Loss rate: 0.13%

Run 7: Report of Sprout — Data Link

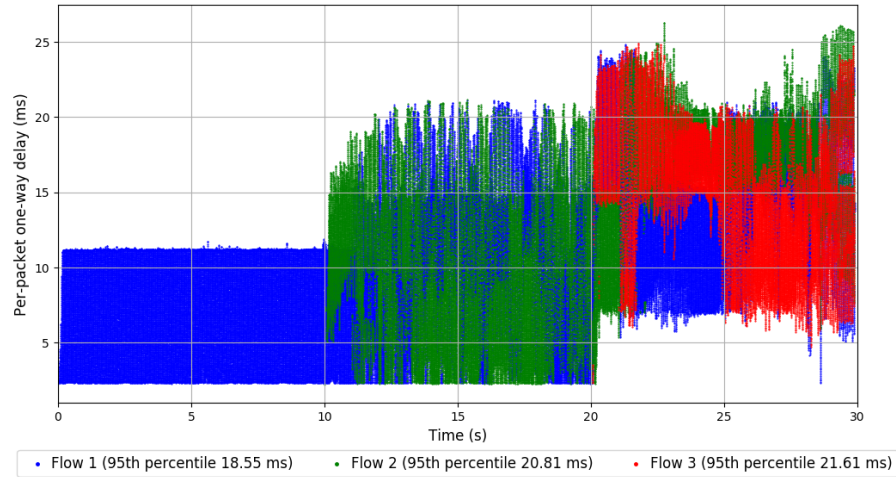
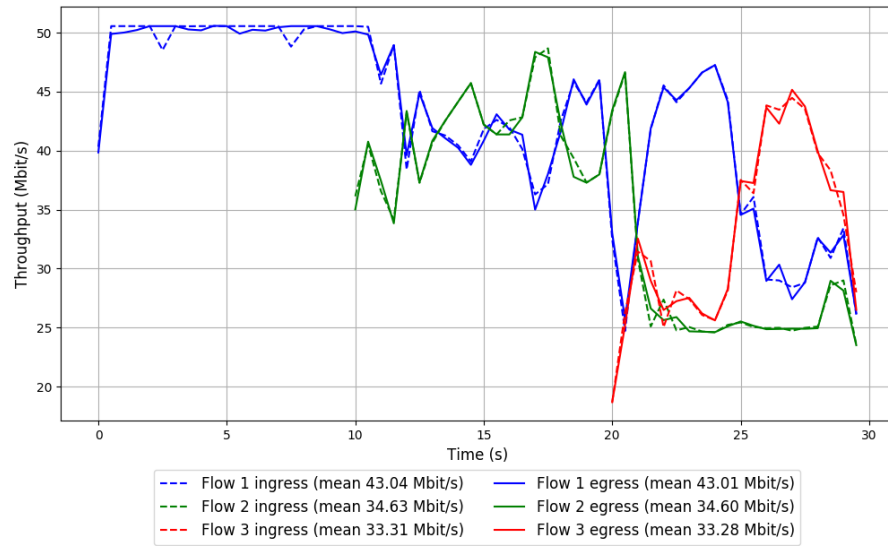


Run 8: Statistics of Sprout

Start at: 2018-02-13 15:51:40
End at: 2018-02-13 15:52:10
Local clock offset: -5.611 ms
Remote clock offset: -5.526 ms

```
# Below is generated by plot.py at 2018-02-13 20:27:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.97 Mbit/s
95th percentile per-packet one-way delay: 19.971 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 18.550 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 20.812 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 21.606 ms
Loss rate: 0.23%
```

Run 8: Report of Sprout — Data Link

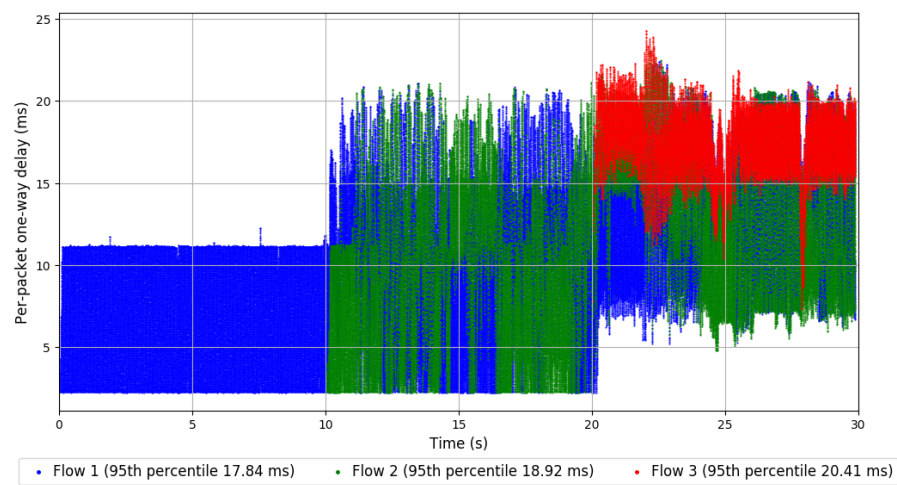
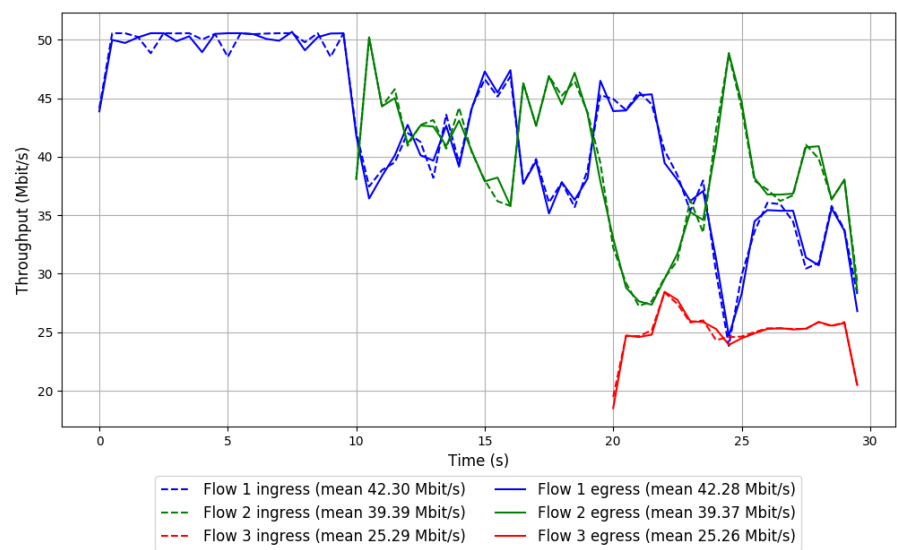


Run 9: Statistics of Sprout

Start at: 2018-02-13 16:12:04
End at: 2018-02-13 16:12:34
Local clock offset: -5.673 ms
Remote clock offset: -5.275 ms

Below is generated by plot.py at 2018-02-13 20:28:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.77 Mbit/s
95th percentile per-packet one-way delay: 19.039 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 17.838 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.37 Mbit/s
95th percentile per-packet one-way delay: 18.916 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 20.408 ms
Loss rate: 0.19%

Run 9: Report of Sprout — Data Link

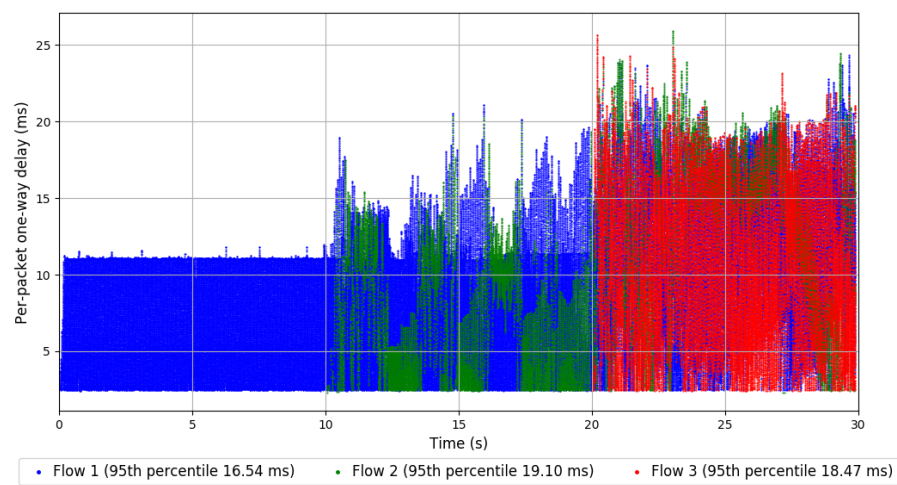
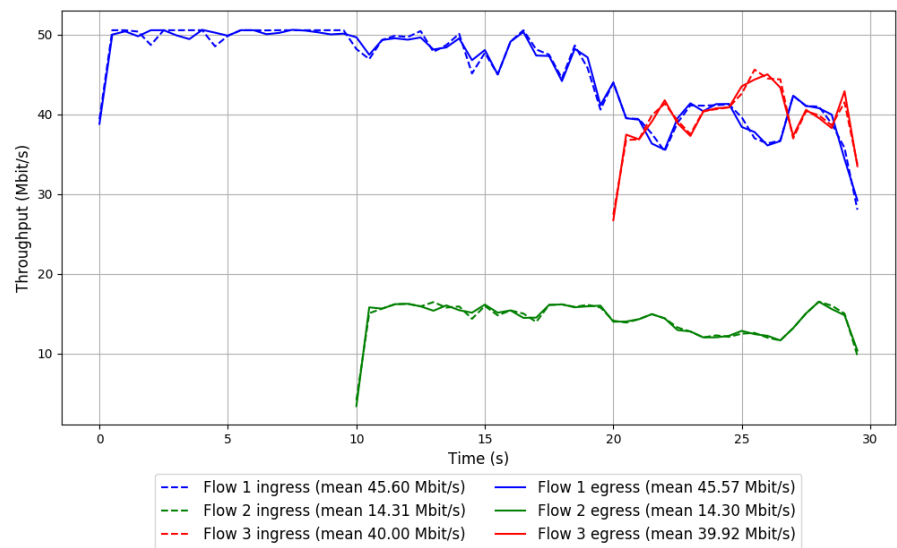


Run 10: Statistics of Sprout

Start at: 2018-02-13 16:32:28
End at: 2018-02-13 16:32:58
Local clock offset: -5.623 ms
Remote clock offset: -5.221 ms

Below is generated by plot.py at 2018-02-13 20:28:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 17.626 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.57 Mbit/s
95th percentile per-packet one-way delay: 16.539 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 14.30 Mbit/s
95th percentile per-packet one-way delay: 19.103 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 18.466 ms
Loss rate: 0.10%

Run 10: Report of Sprout — Data Link

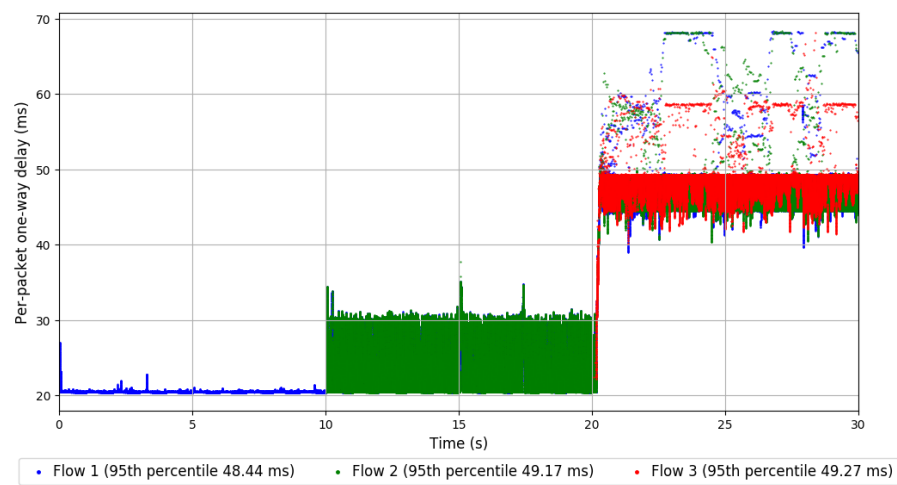
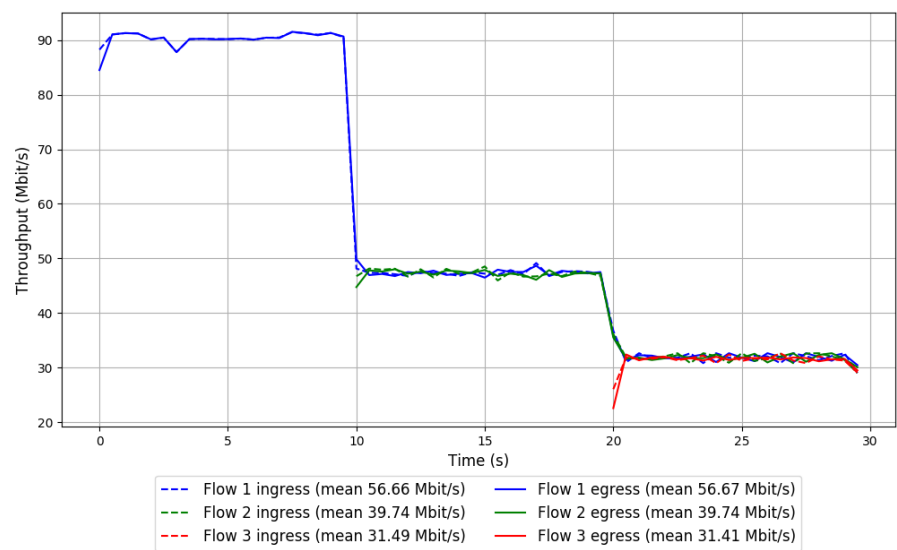


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-13 13:32:15
End at: 2018-02-13 13:32:45
Local clock offset: -4.759 ms
Remote clock offset: -23.31 ms

Below is generated by plot.py at 2018-02-13 20:29:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 49.163 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 48.439 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 49.173 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 49.269 ms
Loss rate: 0.37%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-13 13:52:39

End at: 2018-02-13 13:53:09

Local clock offset: -4.492 ms

Remote clock offset: -5.41 ms

Below is generated by plot.py at 2018-02-13 20:29:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.09 Mbit/s

95th percentile per-packet one-way delay: 31.151 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 54.96 Mbit/s

95th percentile per-packet one-way delay: 30.687 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.92 Mbit/s

95th percentile per-packet one-way delay: 31.174 ms

Loss rate: 0.12%

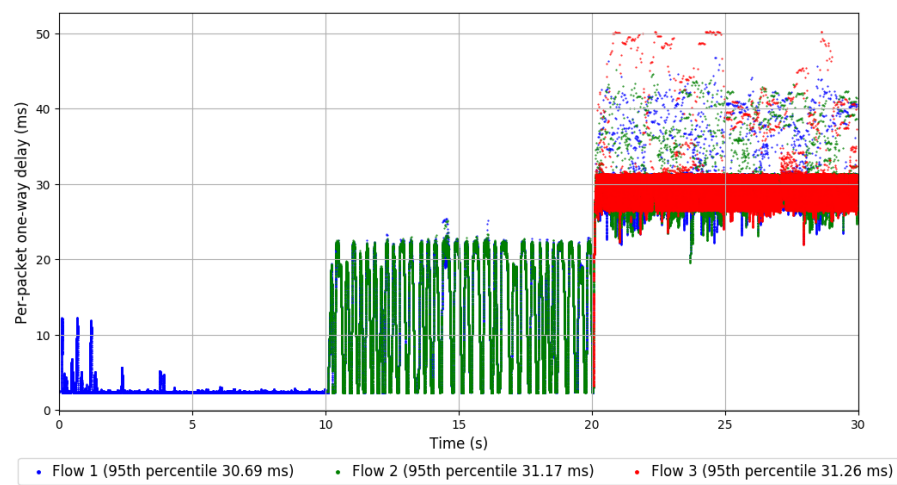
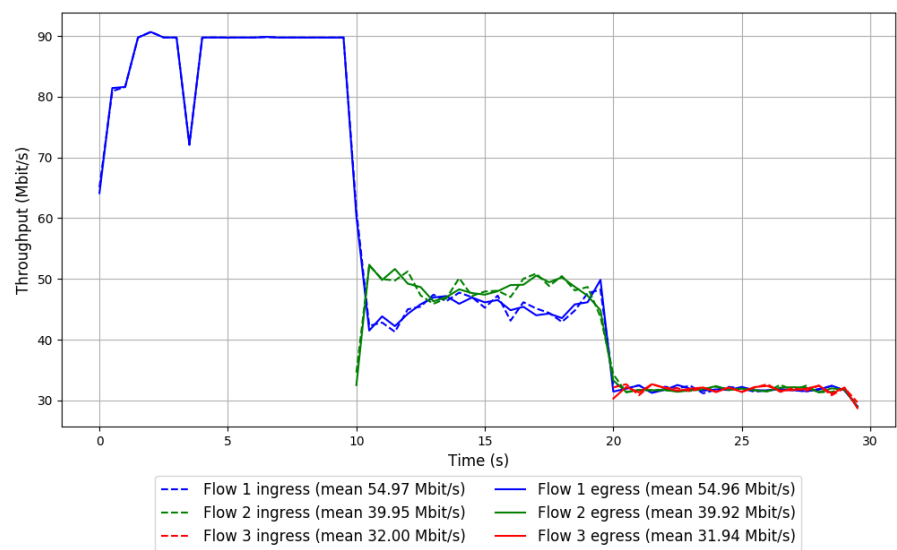
-- Flow 3:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 31.263 ms

Loss rate: 0.38%

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

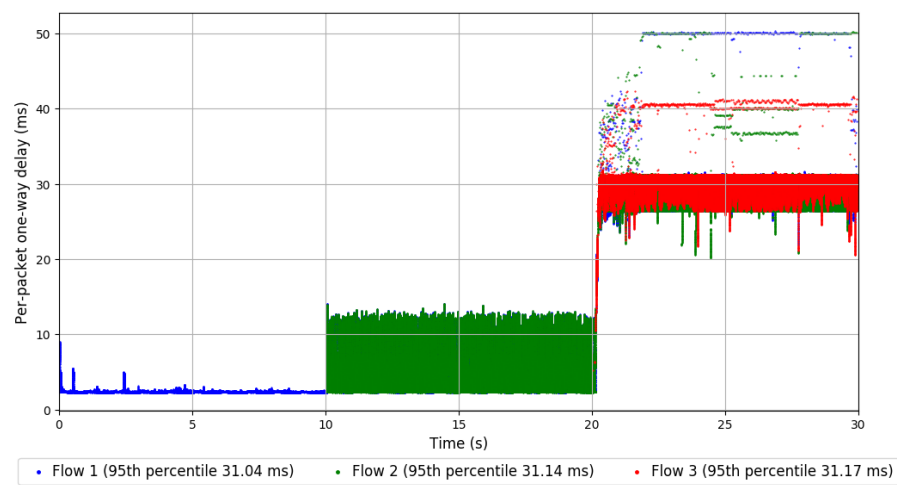
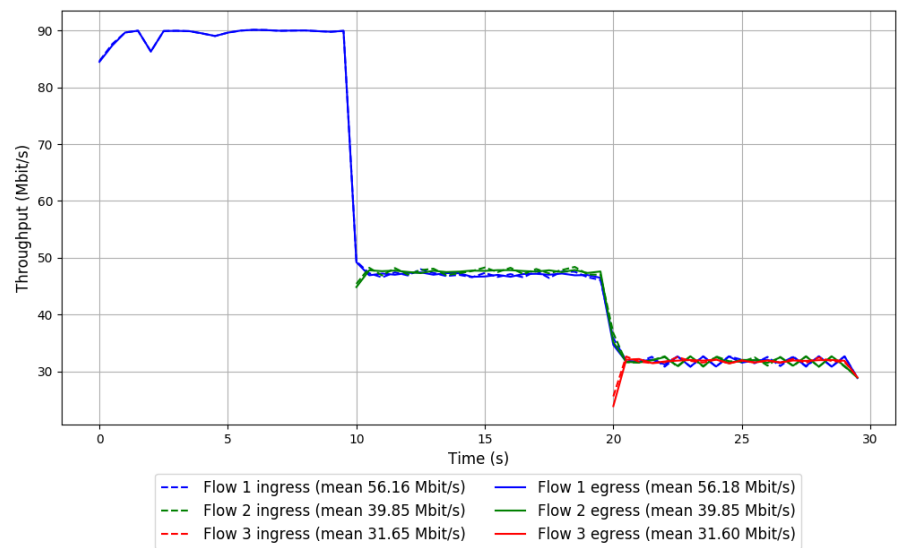


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-13 14:13:07
End at: 2018-02-13 14:13:37
Local clock offset: -5.347 ms
Remote clock offset: -5.551 ms

Below is generated by plot.py at 2018-02-13 20:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 31.118 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 31.040 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 31.143 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 31.174 ms
Loss rate: 0.31%

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

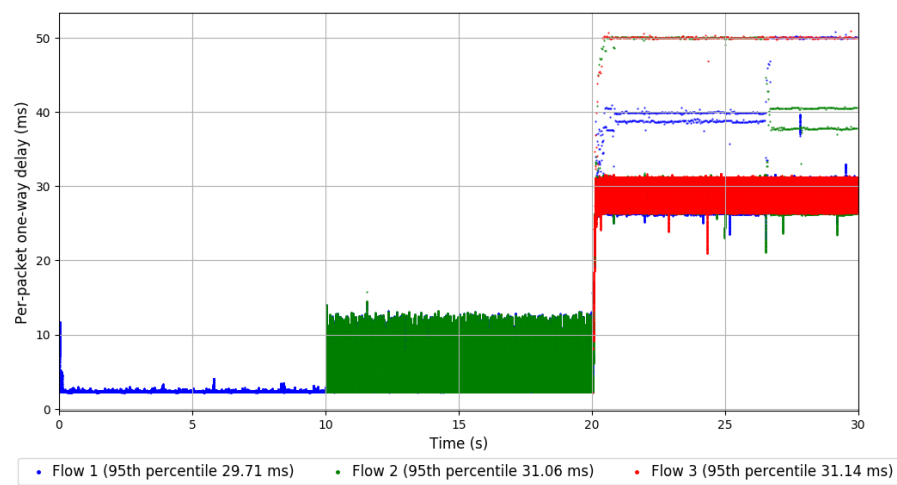
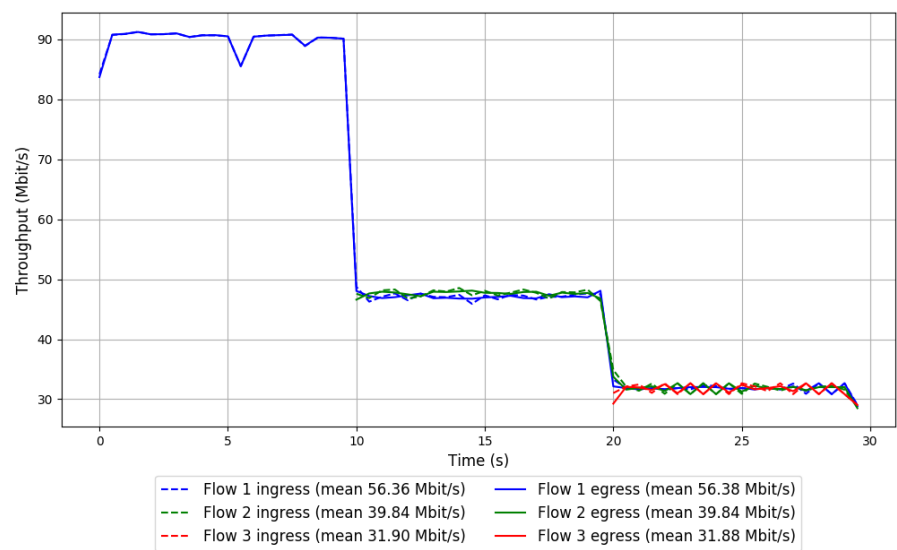


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-13 14:33:27
End at: 2018-02-13 14:33:57
Local clock offset: -5.604 ms
Remote clock offset: -5.149 ms

Below is generated by plot.py at 2018-02-13 20:29:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 31.041 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 29.711 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 31.056 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 31.136 ms
Loss rate: 0.29%

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

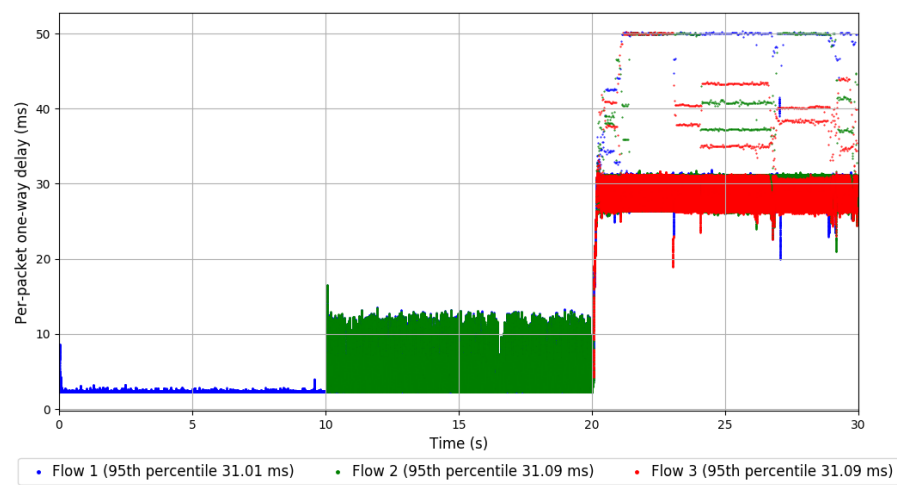
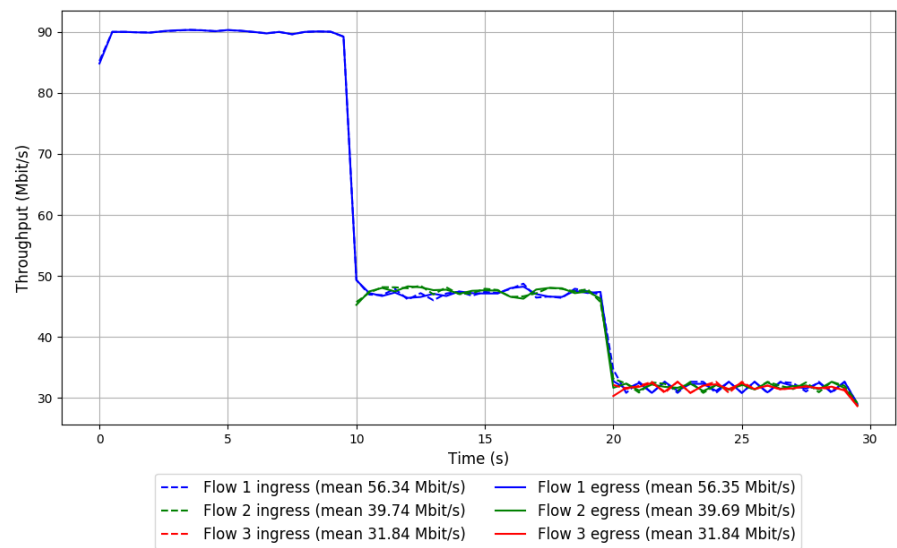


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-13 14:53:51
End at: 2018-02-13 14:54:21
Local clock offset: -5.678 ms
Remote clock offset: -5.057 ms

Below is generated by plot.py at 2018-02-13 20:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 31.048 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 31.007 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 31.089 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 31.087 ms
Loss rate: 0.30%

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

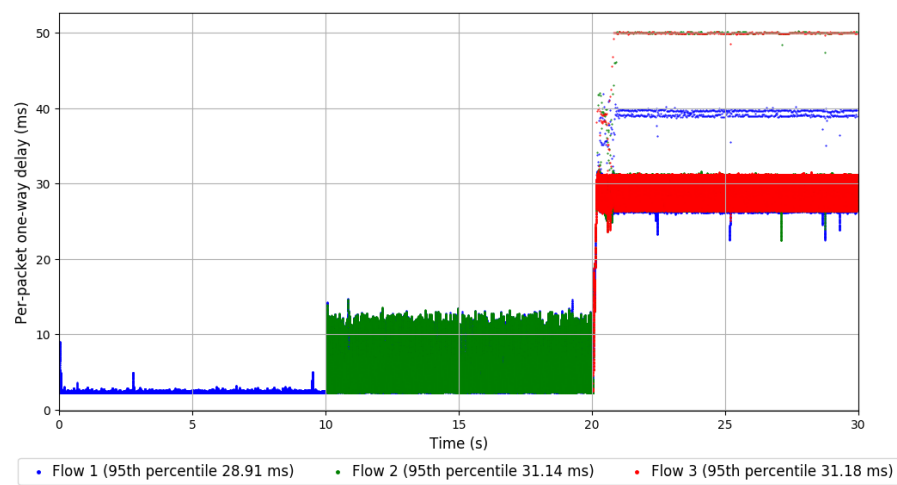
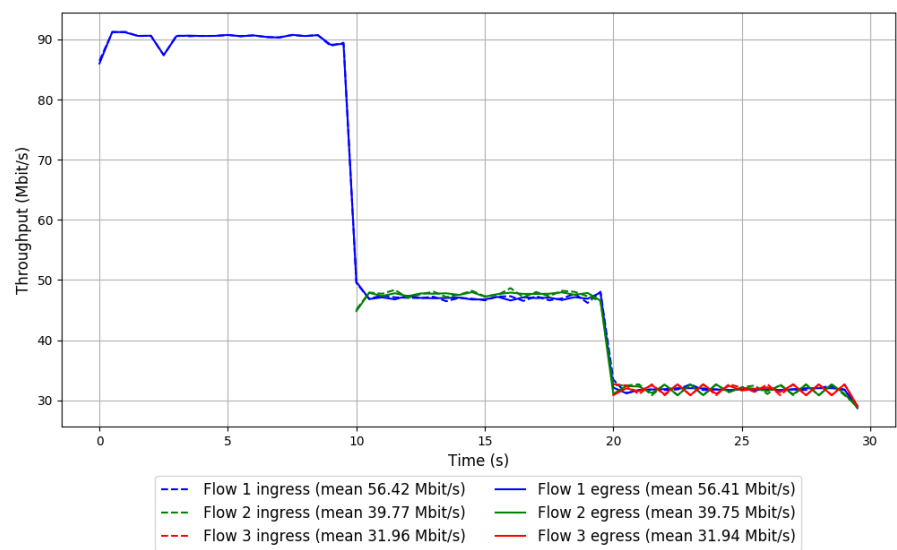


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-13 15:14:16
End at: 2018-02-13 15:14:46
Local clock offset: -5.659 ms
Remote clock offset: -5.247 ms

Below is generated by plot.py at 2018-02-13 20:29:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 31.083 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 28.914 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 31.136 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 31.176 ms
Loss rate: 0.29%

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

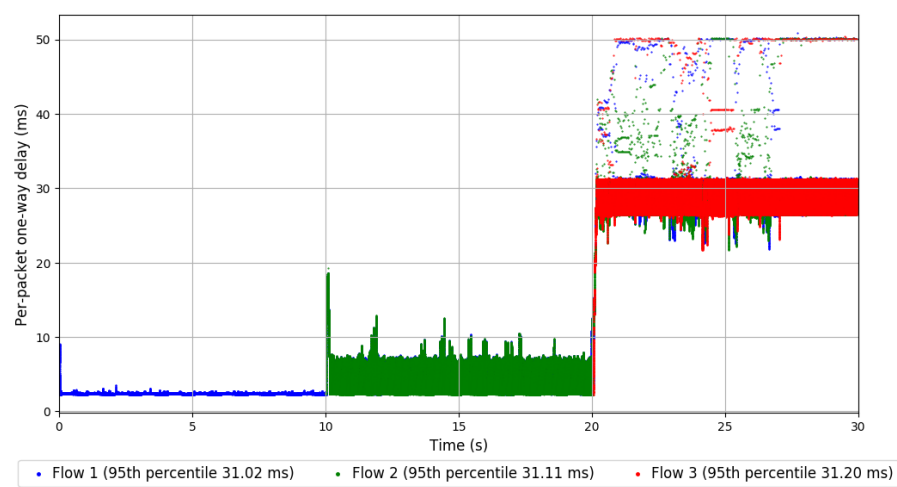
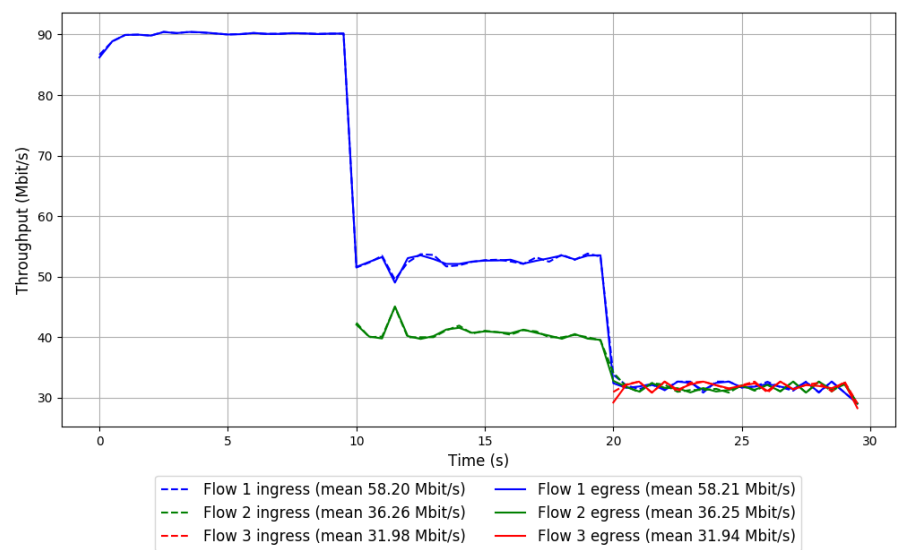


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-13 15:34:38
End at: 2018-02-13 15:35:08
Local clock offset: -5.641 ms
Remote clock offset: -5.421 ms

Below is generated by plot.py at 2018-02-13 20:30:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 31.117 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 31.016 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 31.197 ms
Loss rate: 0.44%

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

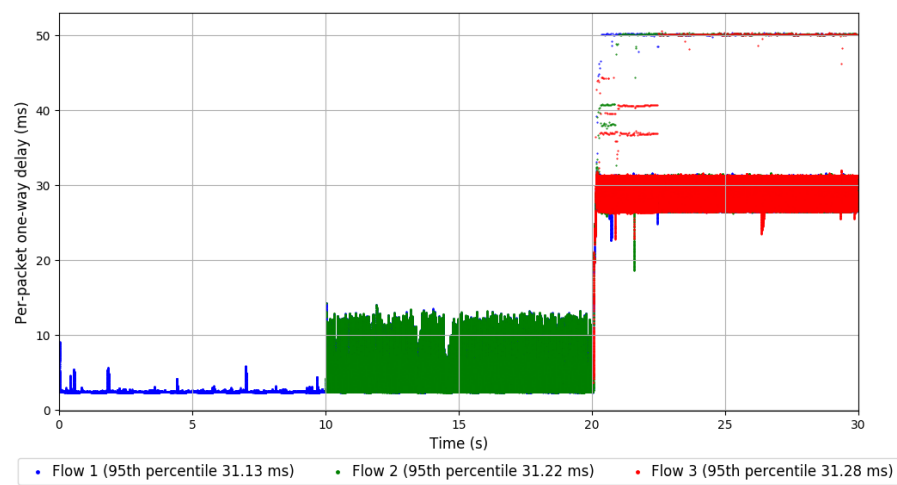
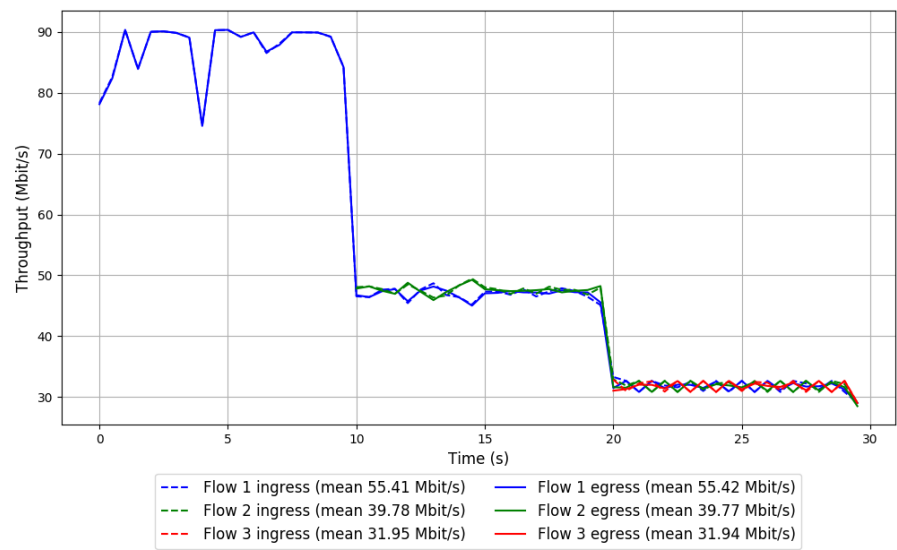


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-13 15:55:01
End at: 2018-02-13 15:55:31
Local clock offset: -5.545 ms
Remote clock offset: -5.614 ms

Below is generated by plot.py at 2018-02-13 20:30:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 31.208 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 31.134 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 31.217 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 31.284 ms
Loss rate: 0.29%

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

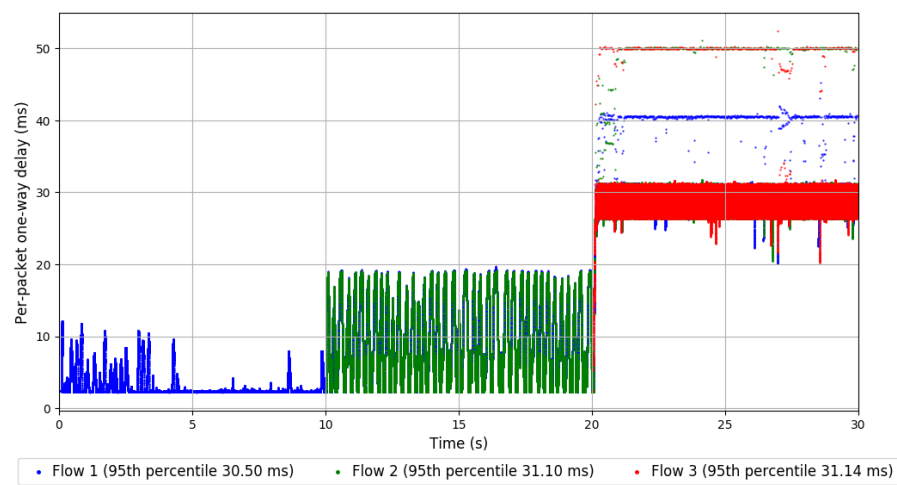
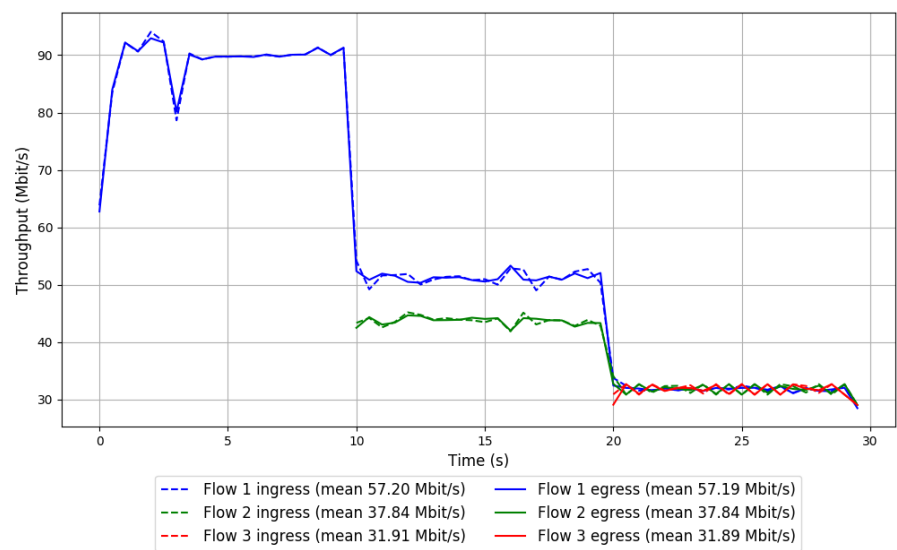


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-13 16:15:23
End at: 2018-02-13 16:15:53
Local clock offset: -5.657 ms
Remote clock offset: -5.234 ms

Below is generated by plot.py at 2018-02-13 20:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 31.059 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.19 Mbit/s
95th percentile per-packet one-way delay: 30.505 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 31.097 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 31.136 ms
Loss rate: 0.29%

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

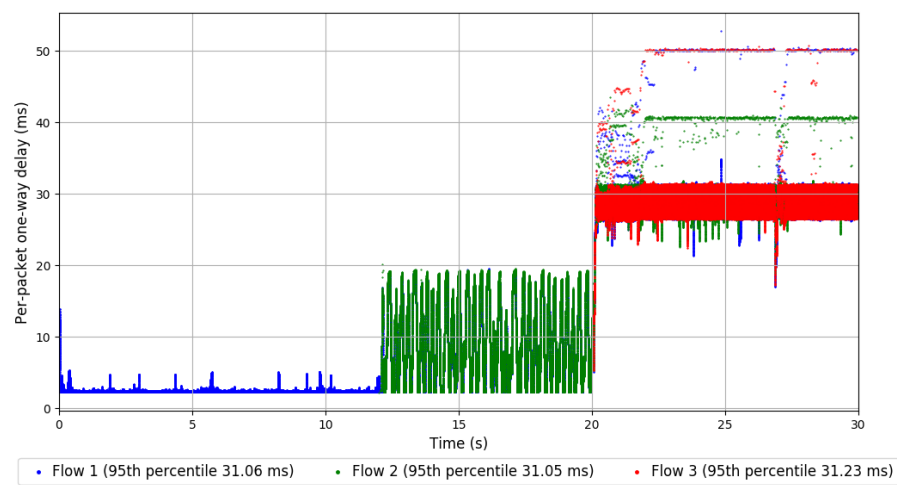
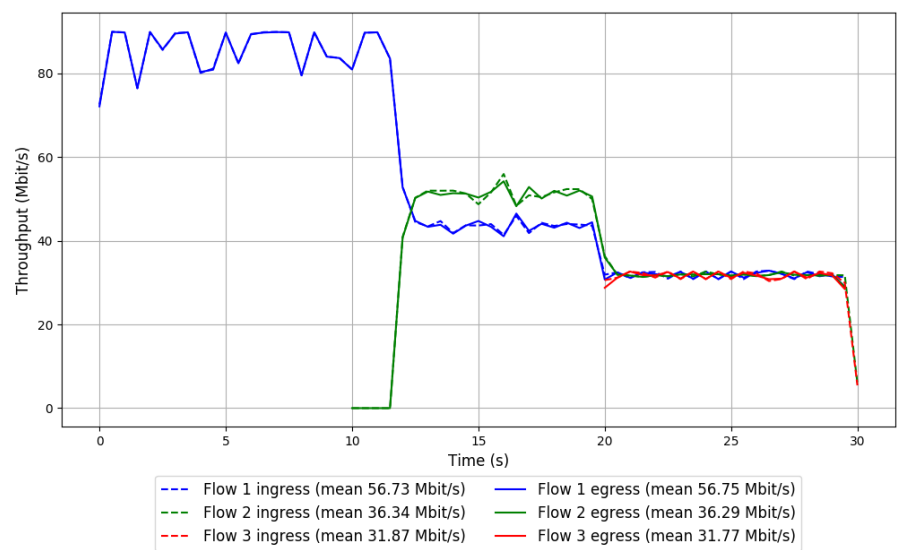


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-13 16:35:47
End at: 2018-02-13 16:36:17
Local clock offset: -5.6 ms
Remote clock offset: -5.161 ms

Below is generated by plot.py at 2018-02-13 20:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 31.134 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 31.058 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 31.050 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 31.235 ms
Loss rate: 1.45%

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

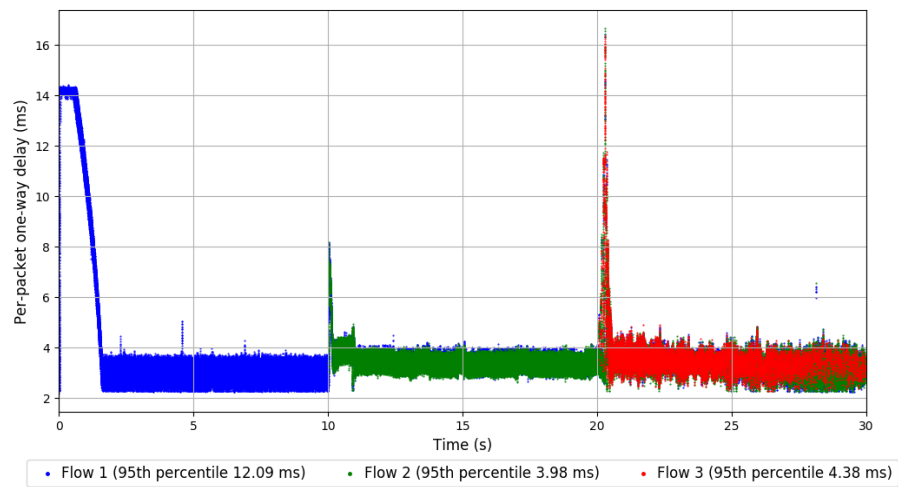
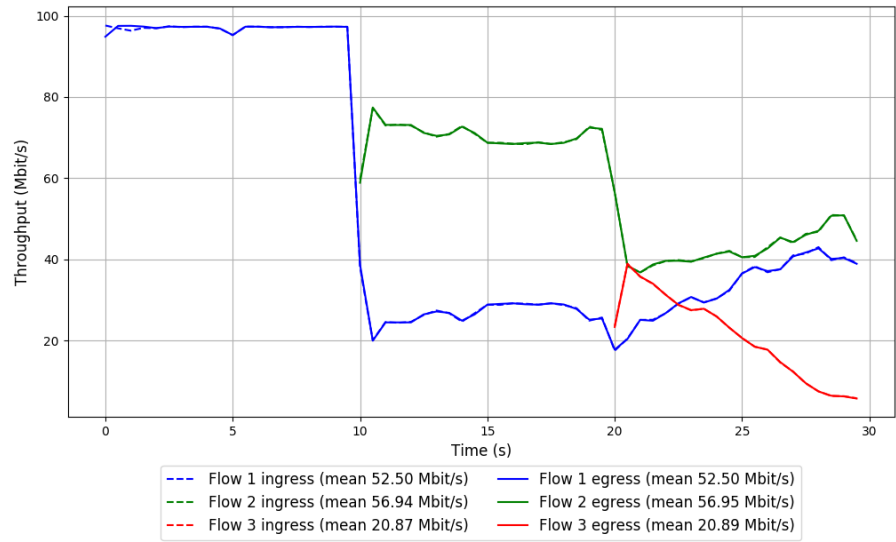


Run 1: Statistics of TCP Vegas

Start at: 2018-02-13 13:33:26
End at: 2018-02-13 13:33:56
Local clock offset: -4.661 ms
Remote clock offset: -5.096 ms

Below is generated by plot.py at 2018-02-13 20:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 6.473 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 12.086 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 3.975 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 4.381 ms
Loss rate: 0.03%

Run 1: Report of TCP Vegas — Data Link

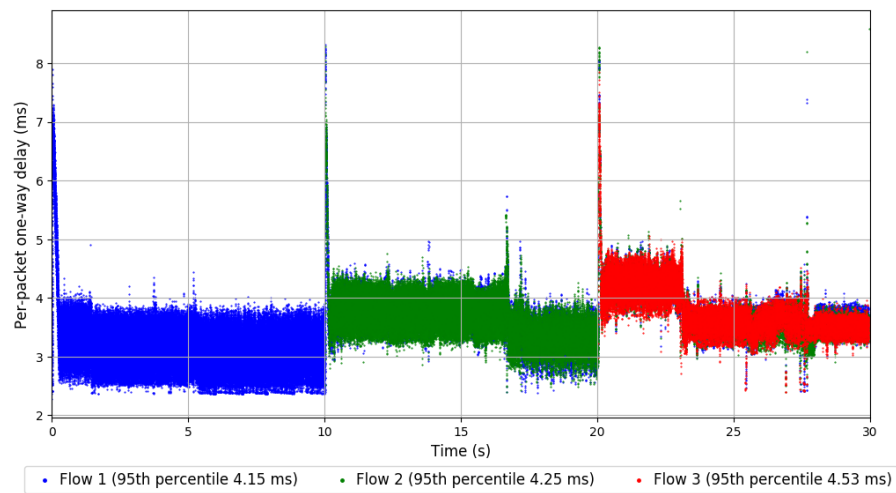
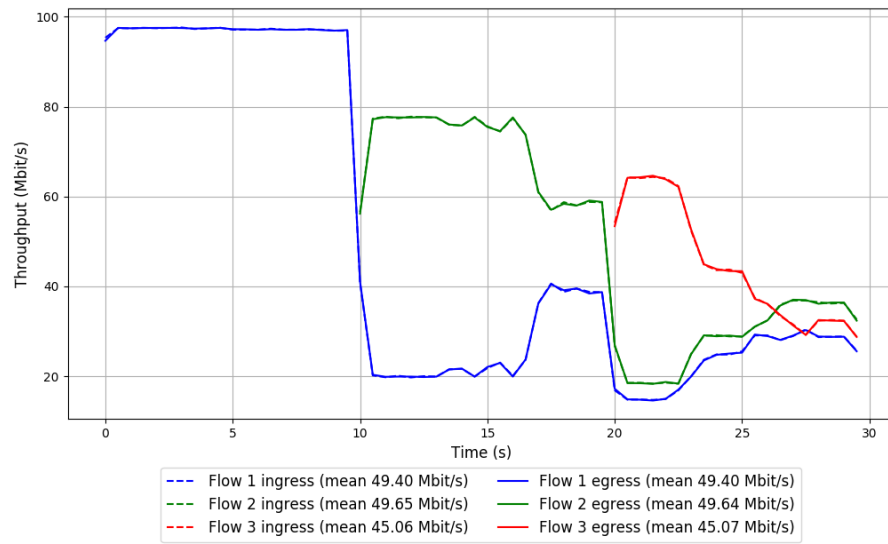


Run 2: Statistics of TCP Vegas

Start at: 2018-02-13 13:53:51
End at: 2018-02-13 13:54:21
Local clock offset: -4.588 ms
Remote clock offset: -5.434 ms

Below is generated by plot.py at 2018-02-13 20:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 4.337 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.40 Mbit/s
95th percentile per-packet one-way delay: 4.146 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 4.251 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 4.526 ms
Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link

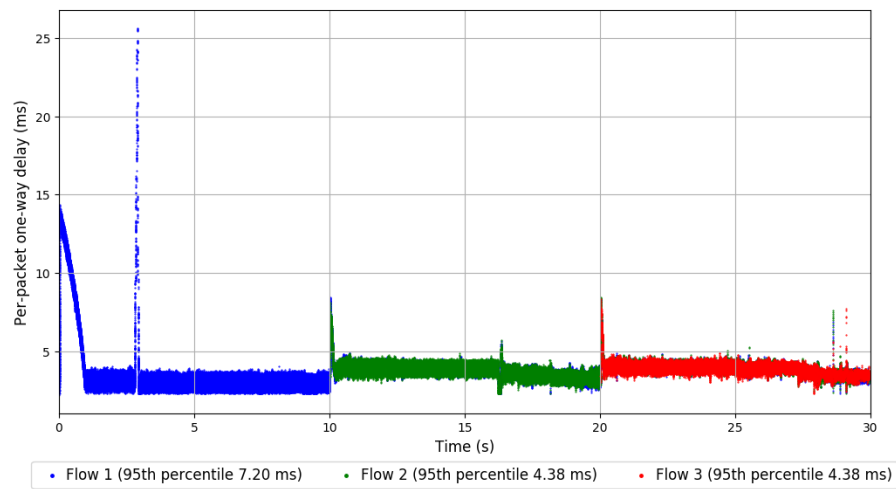
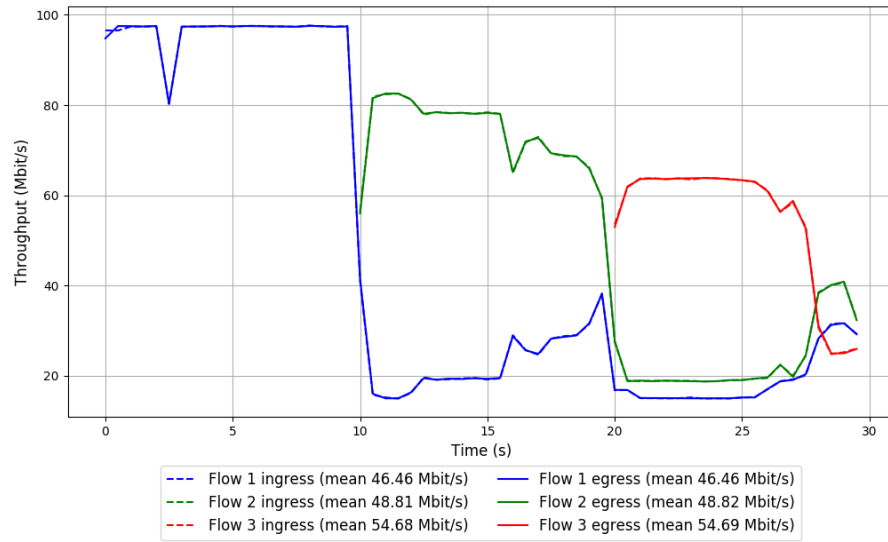


Run 3: Statistics of TCP Vegas

Start at: 2018-02-13 14:14:18
End at: 2018-02-13 14:14:48
Local clock offset: -5.358 ms
Remote clock offset: -5.574 ms

Below is generated by plot.py at 2018-02-13 20:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 4.462 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 7.200 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 4.380 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 4.378 ms
Loss rate: 0.03%

Run 3: Report of TCP Vegas — Data Link

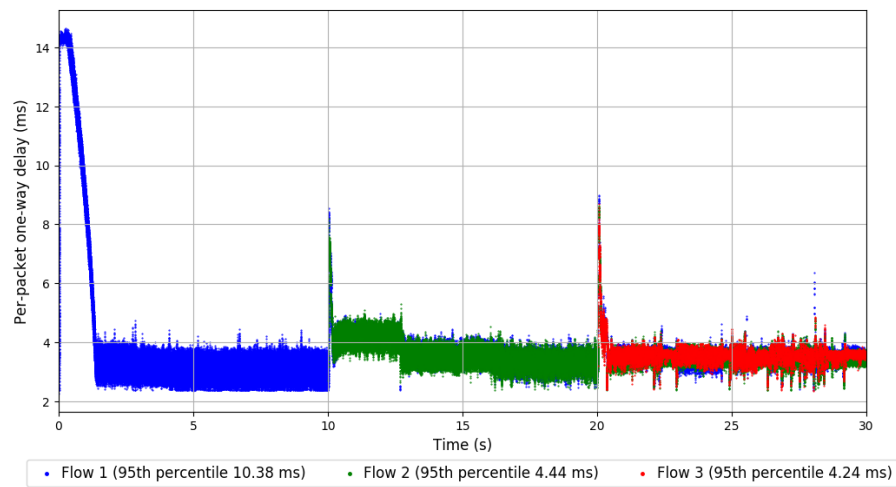
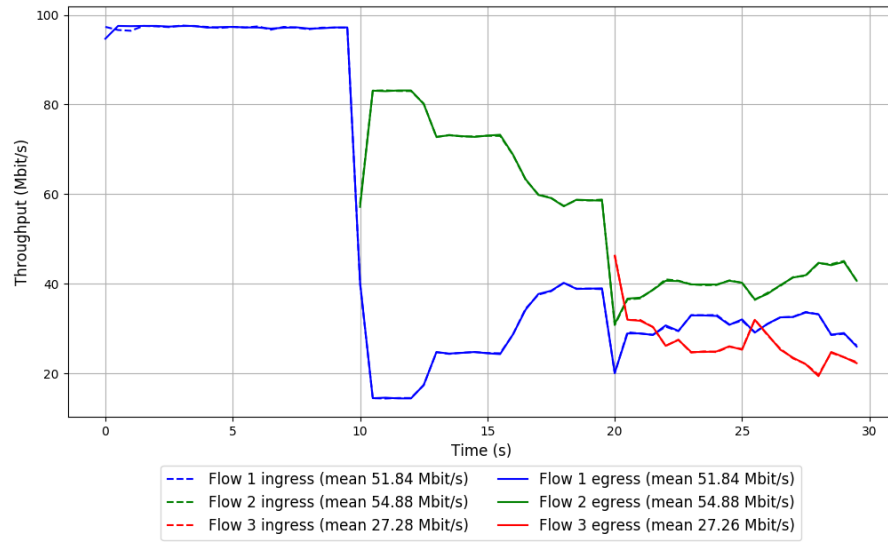


Run 4: Statistics of TCP Vegas

Start at: 2018-02-13 14:34:38
End at: 2018-02-13 14:35:08
Local clock offset: -5.528 ms
Remote clock offset: -5.182 ms

Below is generated by plot.py at 2018-02-13 20:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 4.783 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 10.376 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.88 Mbit/s
95th percentile per-packet one-way delay: 4.443 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 4.238 ms
Loss rate: 0.12%

Run 4: Report of TCP Vegas — Data Link

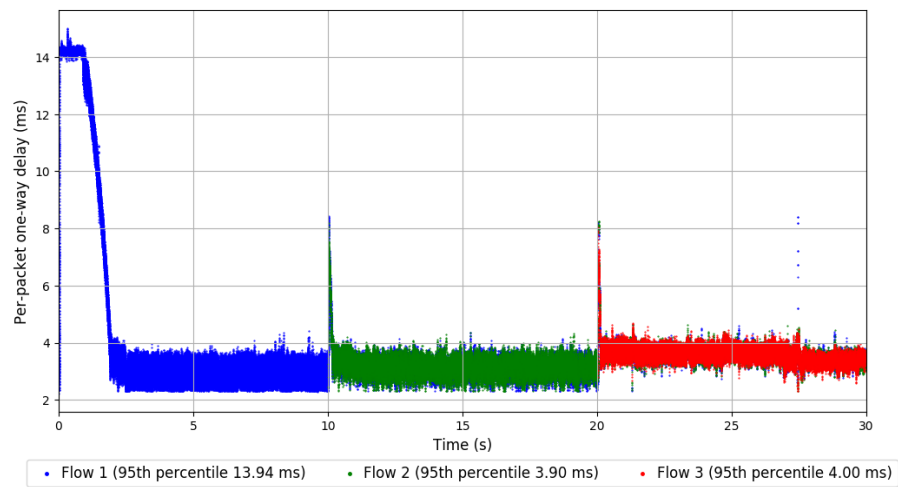
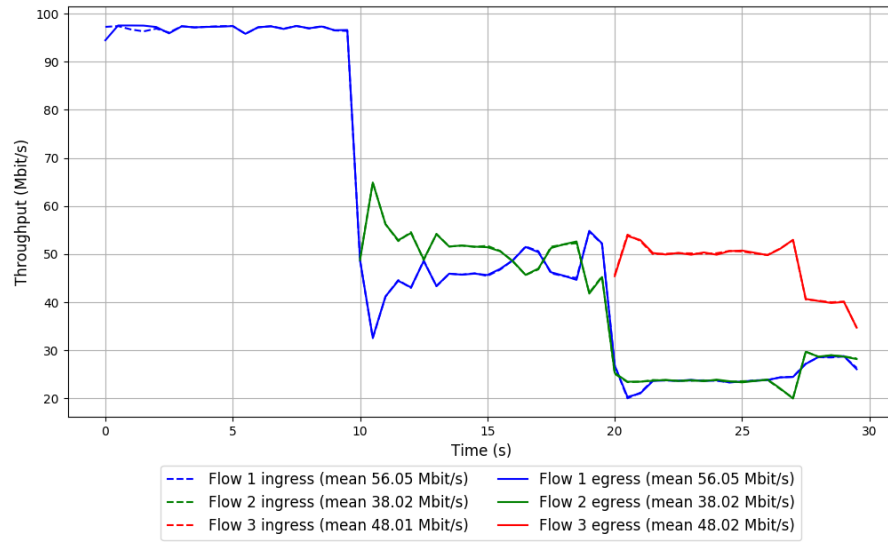


Run 5: Statistics of TCP Vegas

Start at: 2018-02-13 14:55:02
End at: 2018-02-13 14:55:32
Local clock offset: -5.7 ms
Remote clock offset: -5.155 ms

Below is generated by plot.py at 2018-02-13 20:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 8.979 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 13.938 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 3.904 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 48.02 Mbit/s
95th percentile per-packet one-way delay: 4.004 ms
Loss rate: 0.04%

Run 5: Report of TCP Vegas — Data Link

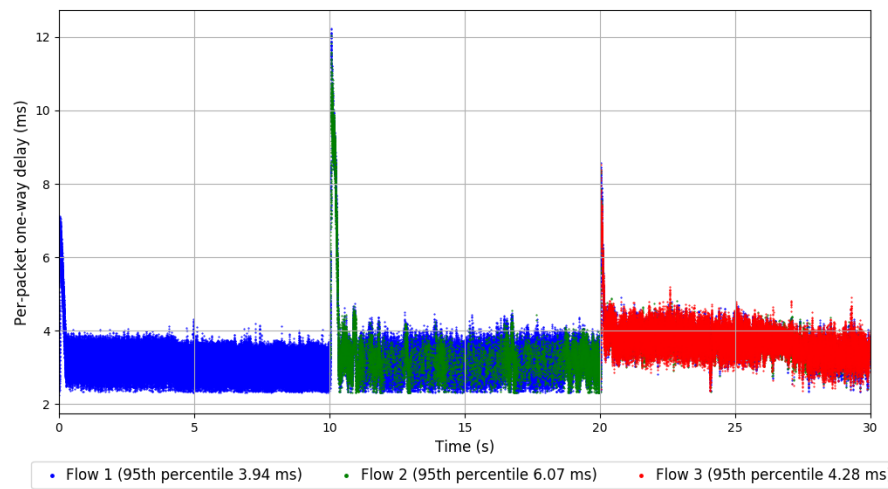
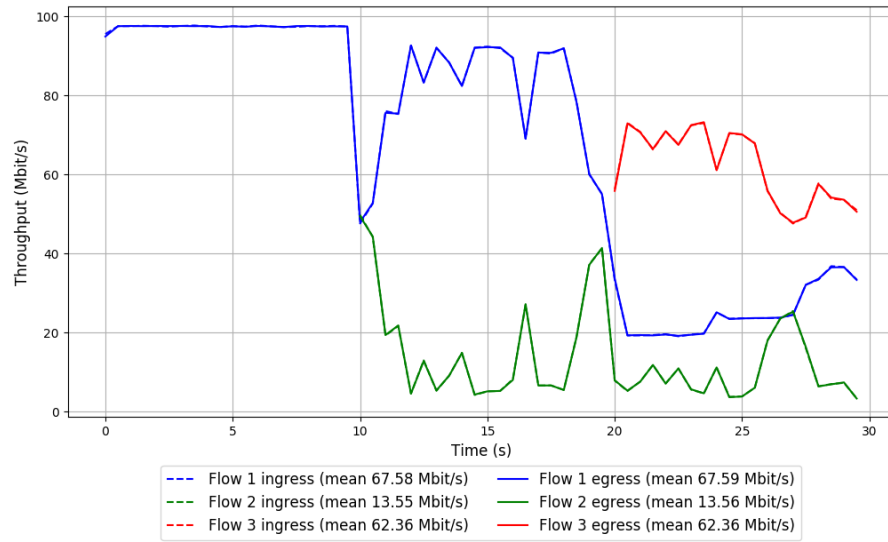


Run 6: Statistics of TCP Vegas

Start at: 2018-02-13 15:15:27
End at: 2018-02-13 15:15:57
Local clock offset: -5.624 ms
Remote clock offset: -5.245 ms

Below is generated by plot.py at 2018-02-13 20:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 4.151 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.59 Mbit/s
95th percentile per-packet one-way delay: 3.937 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 6.073 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 4.283 ms
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link

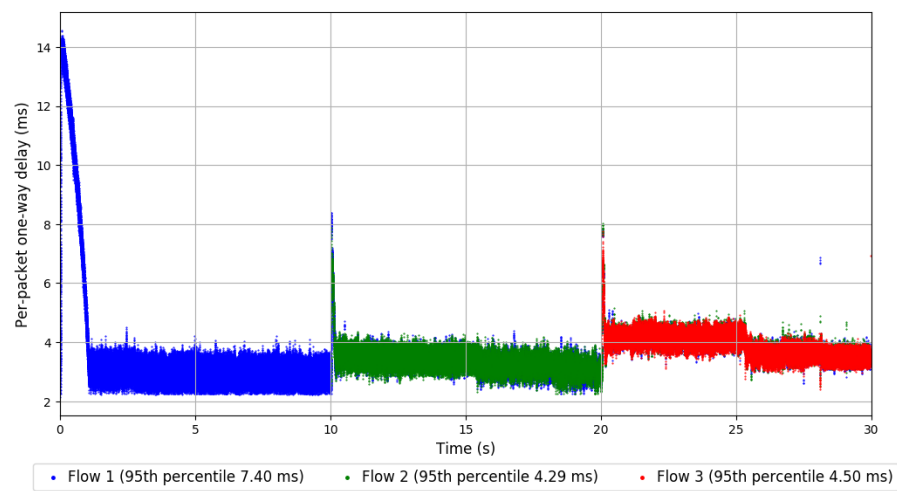
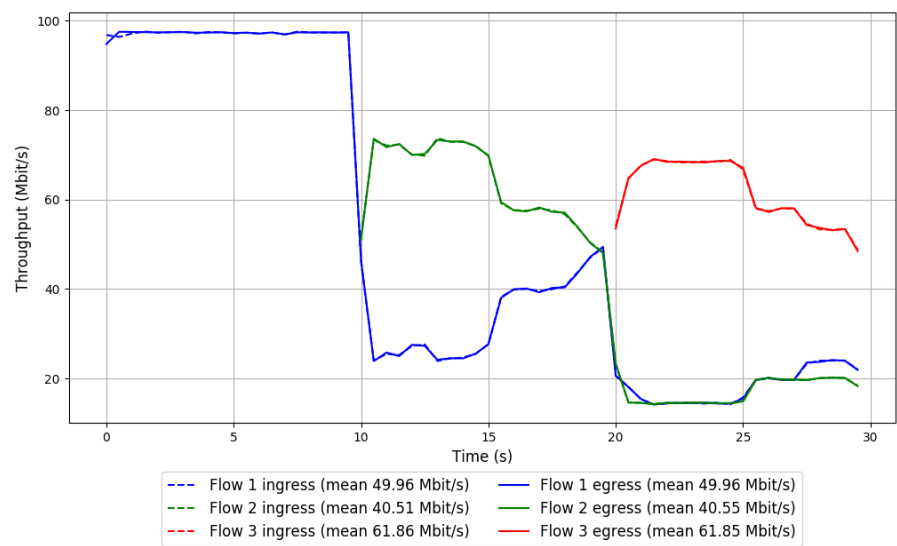


Run 7: Statistics of TCP Vegas

Start at: 2018-02-13 15:35:50
End at: 2018-02-13 15:36:20
Local clock offset: -5.687 ms
Remote clock offset: -5.424 ms

Below is generated by plot.py at 2018-02-13 20:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 4.542 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: 7.400 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 4.289 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 61.85 Mbit/s
95th percentile per-packet one-way delay: 4.503 ms
Loss rate: 0.05%

Run 7: Report of TCP Vegas — Data Link

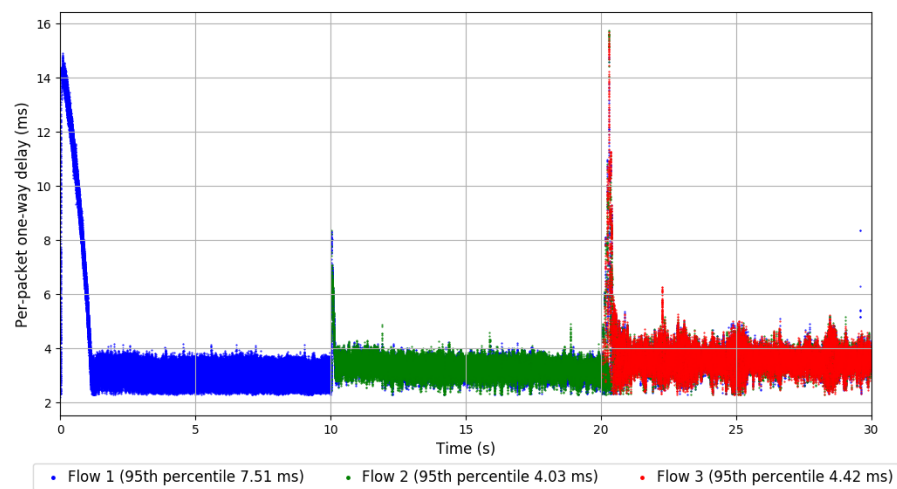
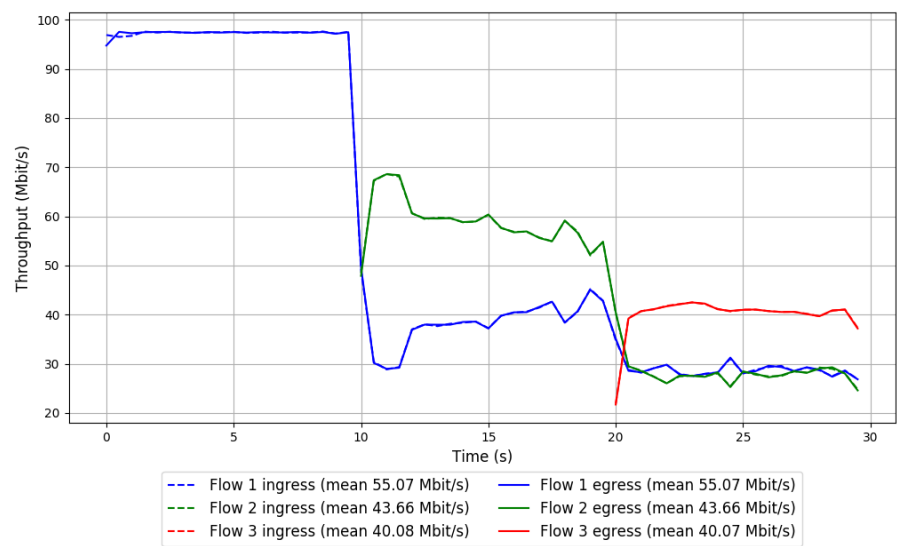


Run 8: Statistics of TCP Vegas

Start at: 2018-02-13 15:56:12
End at: 2018-02-13 15:56:42
Local clock offset: -5.564 ms
Remote clock offset: -5.553 ms

Below is generated by plot.py at 2018-02-13 20:32:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 4.509 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.07 Mbit/s
95th percentile per-packet one-way delay: 7.506 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 4.030 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 4.422 ms
Loss rate: 0.06%

Run 8: Report of TCP Vegas — Data Link

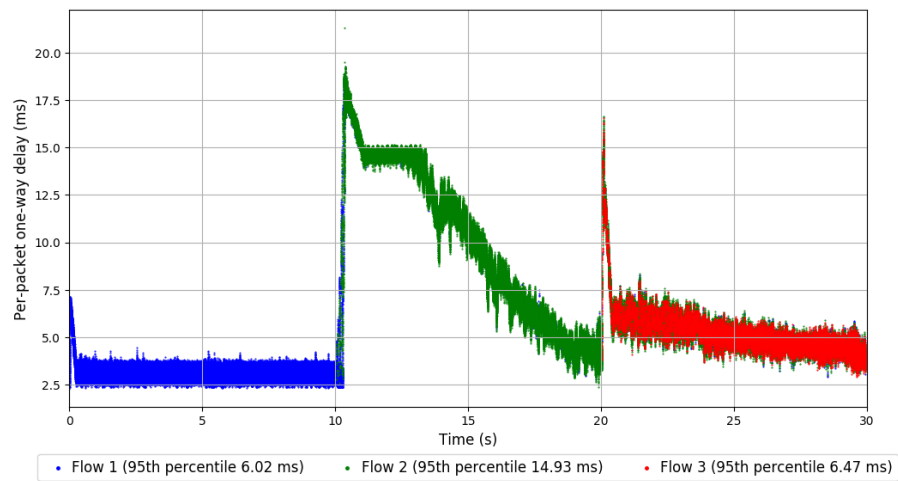
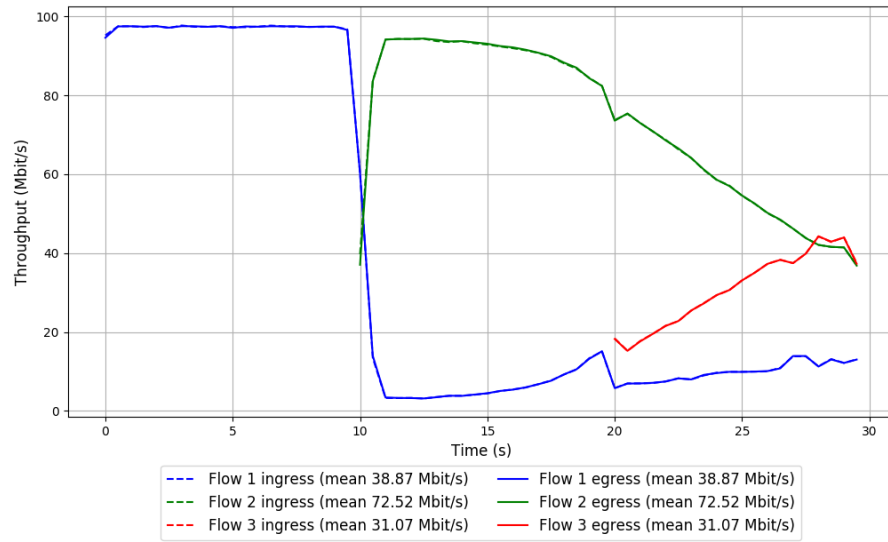


Run 9: Statistics of TCP Vegas

Start at: 2018-02-13 16:16:36
End at: 2018-02-13 16:17:06
Local clock offset: -5.599 ms
Remote clock offset: -5.242 ms

Below is generated by plot.py at 2018-02-13 20:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 14.698 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 6.020 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 72.52 Mbit/s
95th percentile per-packet one-way delay: 14.933 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 6.473 ms
Loss rate: 0.09%

Run 9: Report of TCP Vegas — Data Link

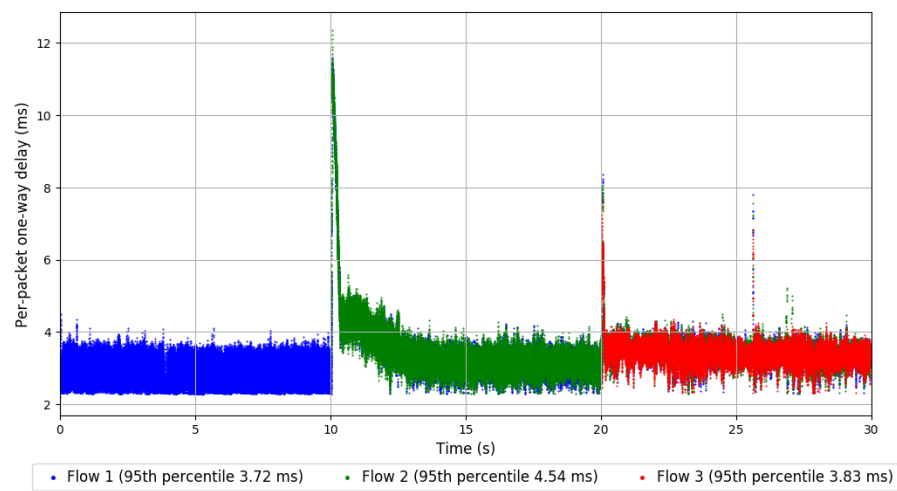
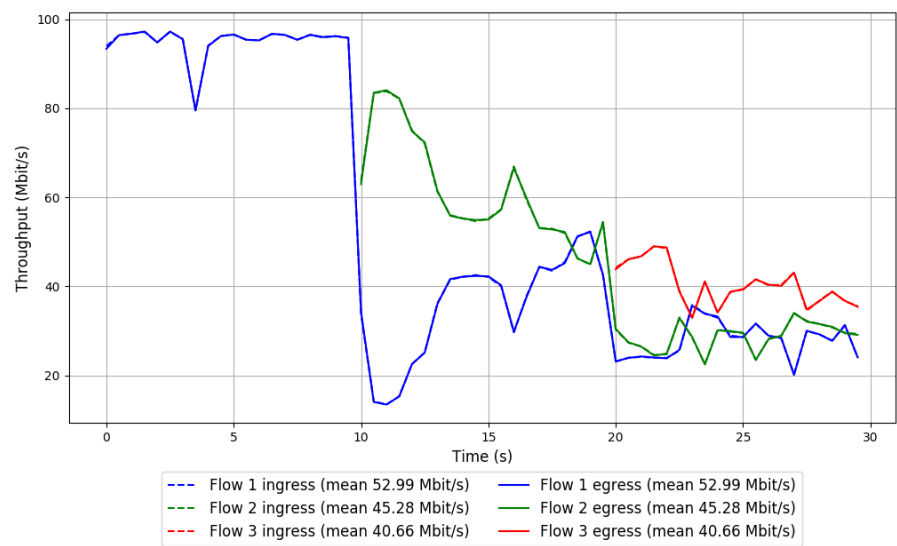


Run 10: Statistics of TCP Vegas

Start at: 2018-02-13 16:36:58
End at: 2018-02-13 16:37:28
Local clock offset: -5.635 ms
Remote clock offset: -5.183 ms

Below is generated by plot.py at 2018-02-13 20:32:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 4.089 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.99 Mbit/s
95th percentile per-packet one-way delay: 3.722 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 4.543 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 3.826 ms
Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link

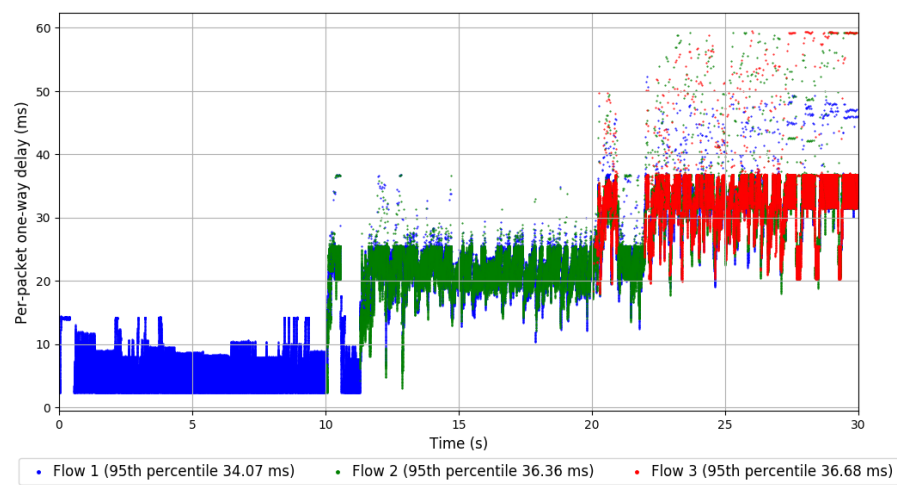
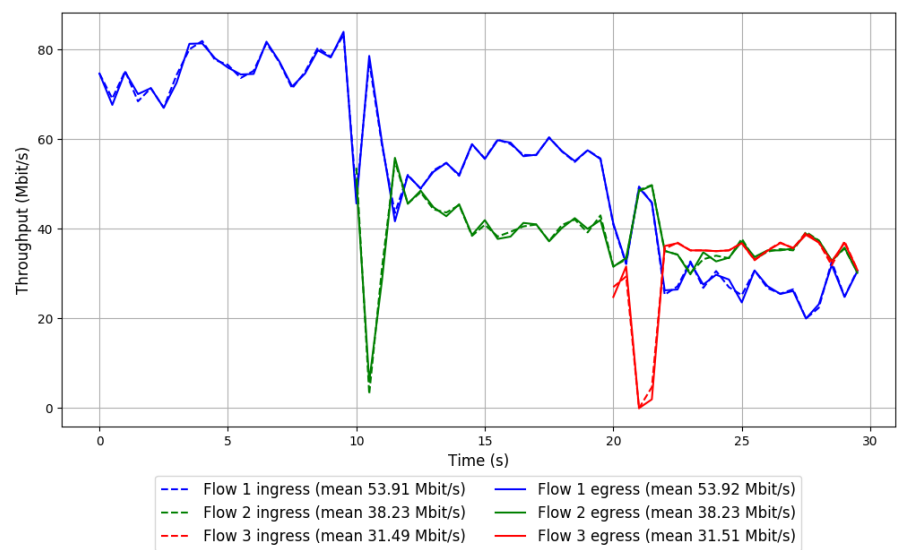


Run 1: Statistics of Verus

Start at: 2018-02-13 13:41:22
End at: 2018-02-13 13:41:52
Local clock offset: -4.436 ms
Remote clock offset: -5.047 ms

Below is generated by plot.py at 2018-02-13 20:33:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 35.808 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 34.066 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 36.359 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 36.677 ms
Loss rate: 0.36%

Run 1: Report of Verus — Data Link

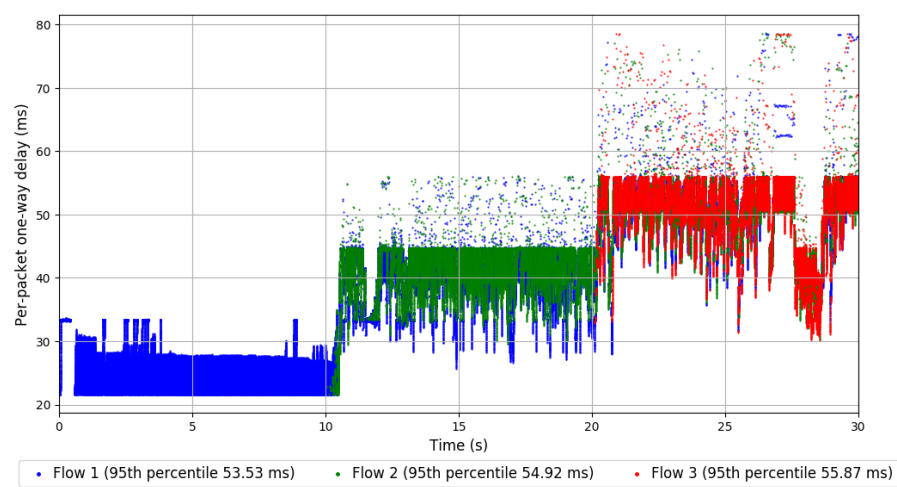
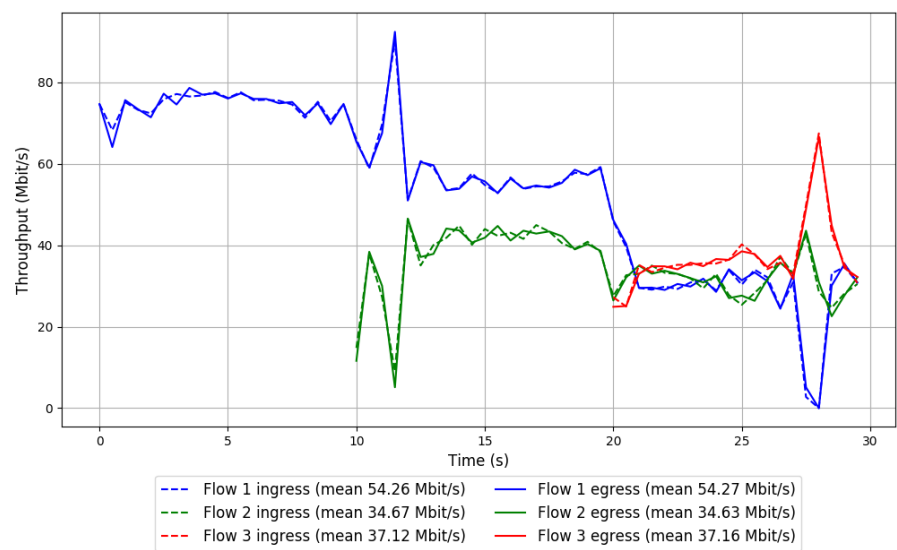


Run 2: Statistics of Verus

Start at: 2018-02-13 14:01:48
End at: 2018-02-13 14:02:18
Local clock offset: -5.1 ms
Remote clock offset: -24.763 ms

Below is generated by plot.py at 2018-02-13 20:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 54.813 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.27 Mbit/s
95th percentile per-packet one-way delay: 53.529 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 54.923 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 55.871 ms
Loss rate: 0.40%

Run 2: Report of Verus — Data Link

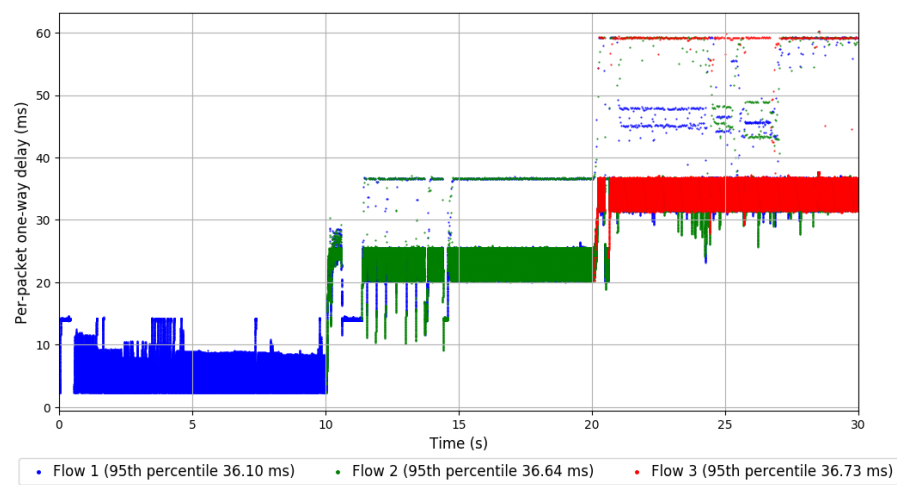
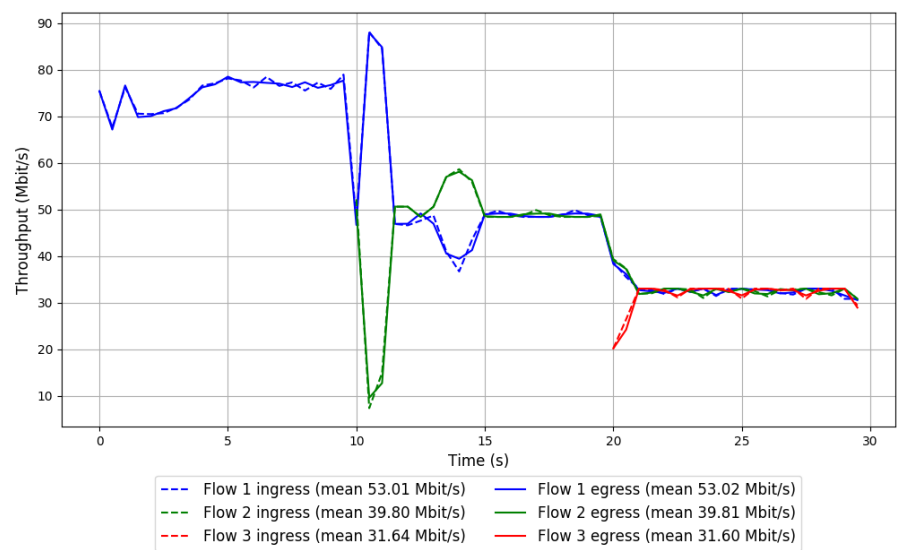


Run 3: Statistics of Verus

Start at: 2018-02-13 14:22:12
End at: 2018-02-13 14:22:42
Local clock offset: -5.44 ms
Remote clock offset: -5.372 ms

Below is generated by plot.py at 2018-02-13 20:33:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 36.642 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.02 Mbit/s
95th percentile per-packet one-way delay: 36.105 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 36.640 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 36.732 ms
Loss rate: 0.42%

Run 3: Report of Verus — Data Link

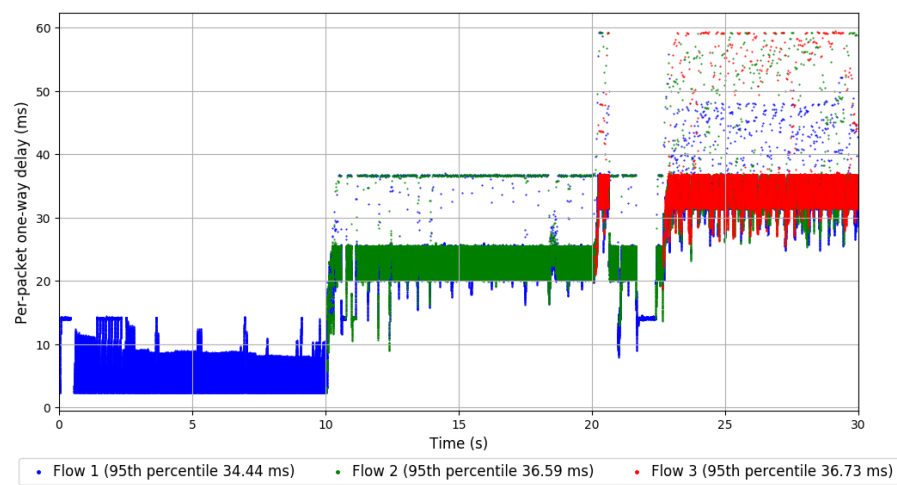
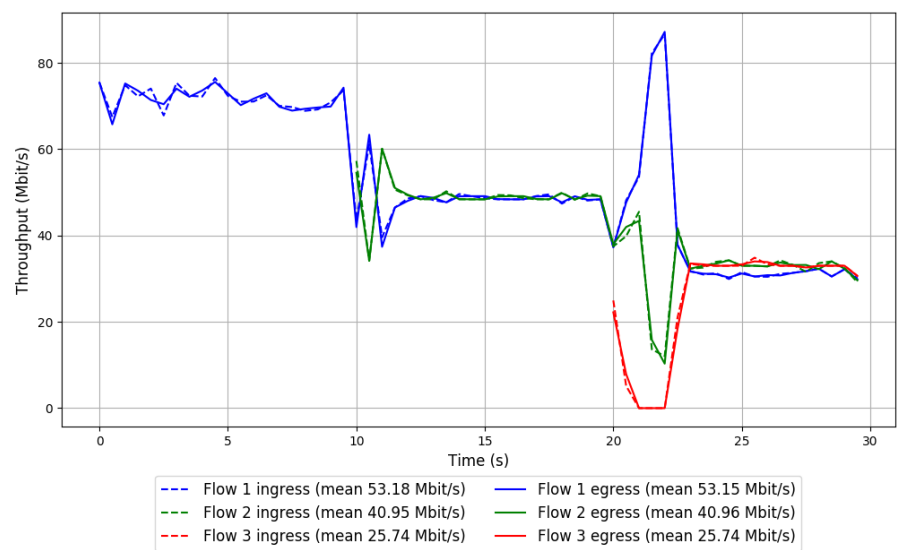


Run 4: Statistics of Verus

Start at: 2018-02-13 14:42:34
End at: 2018-02-13 14:43:04
Local clock offset: -5.571 ms
Remote clock offset: -5.043 ms

Below is generated by plot.py at 2018-02-13 20:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.92 Mbit/s
95th percentile per-packet one-way delay: 36.338 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 34.439 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 36.586 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 36.730 ms
Loss rate: 0.44%

Run 4: Report of Verus — Data Link

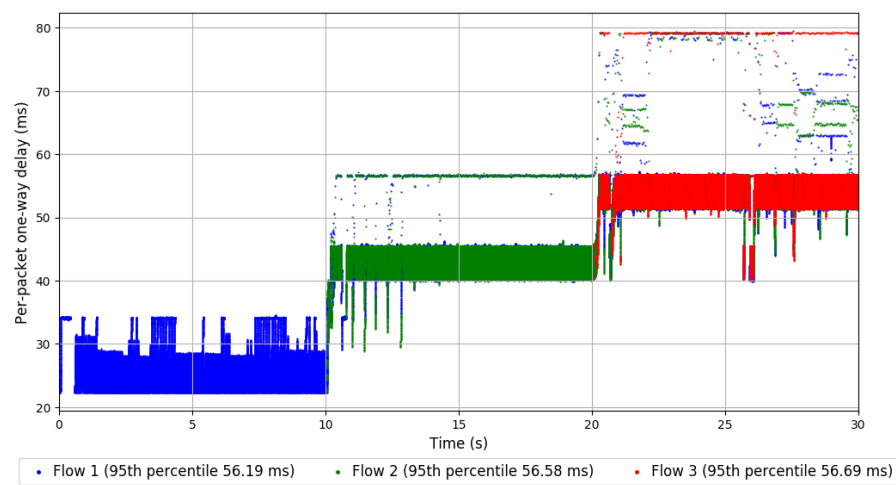
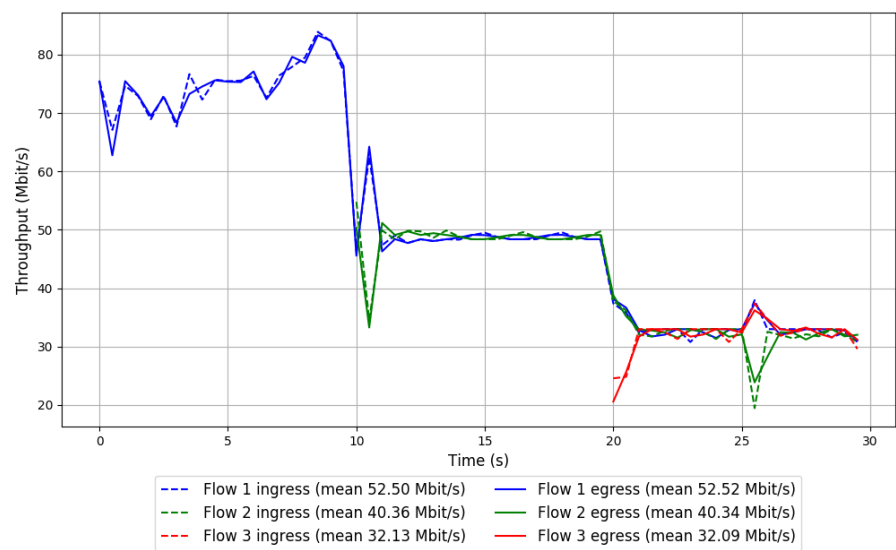


Run 5: Statistics of Verus

Start at: 2018-02-13 15:02:57
End at: 2018-02-13 15:03:27
Local clock offset: -5.648 ms
Remote clock offset: -25.21 ms

Below is generated by plot.py at 2018-02-13 20:33:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 56.602 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 56.188 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 56.576 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 56.689 ms
Loss rate: 0.45%

Run 5: Report of Verus — Data Link

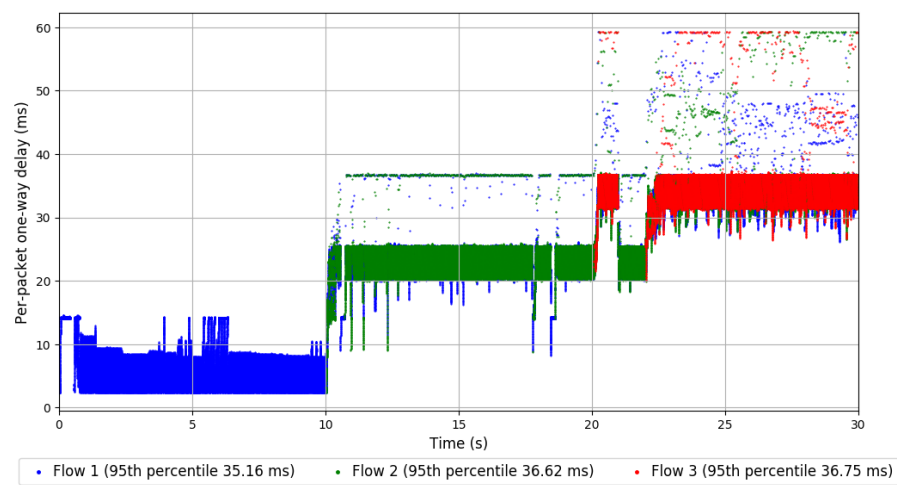
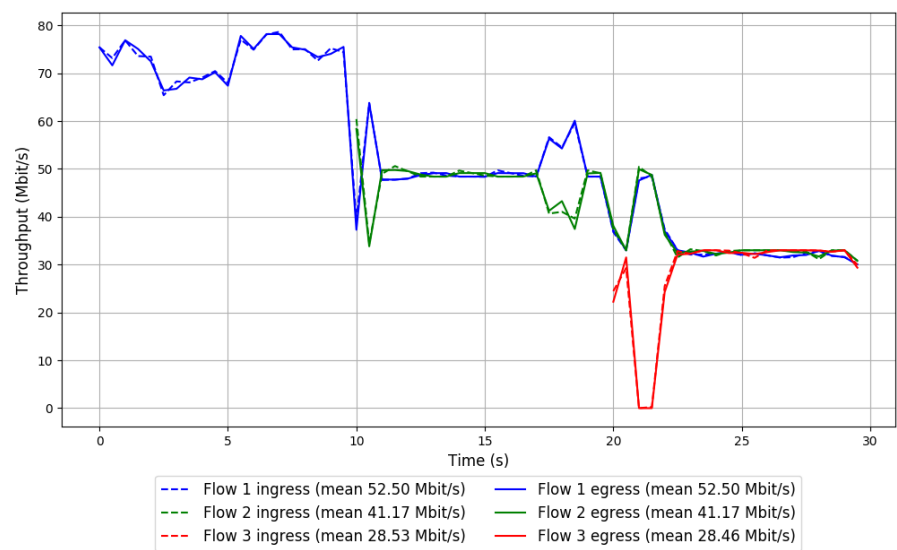


Run 6: Statistics of Verus

Start at: 2018-02-13 15:23:21
End at: 2018-02-13 15:23:51
Local clock offset: -5.643 ms
Remote clock offset: -5.321 ms

Below is generated by plot.py at 2018-02-13 20:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 36.598 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 35.163 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 36.621 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 36.750 ms
Loss rate: 0.50%

Run 6: Report of Verus — Data Link

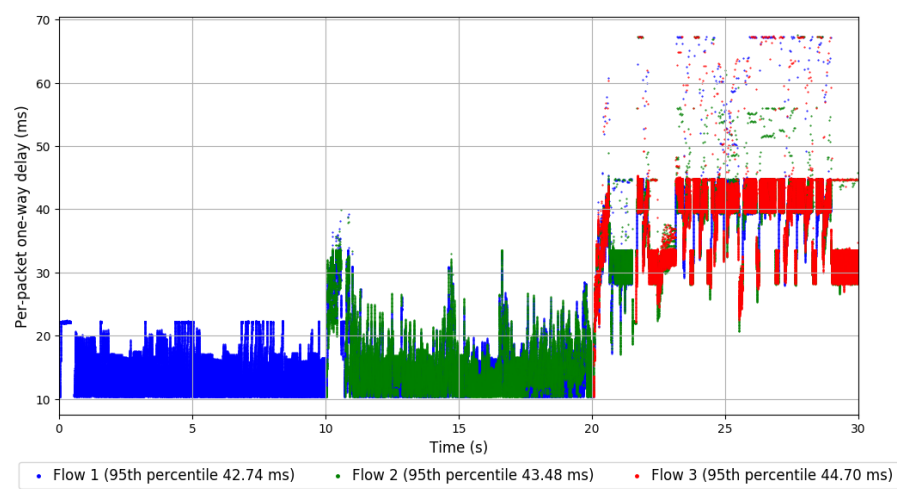
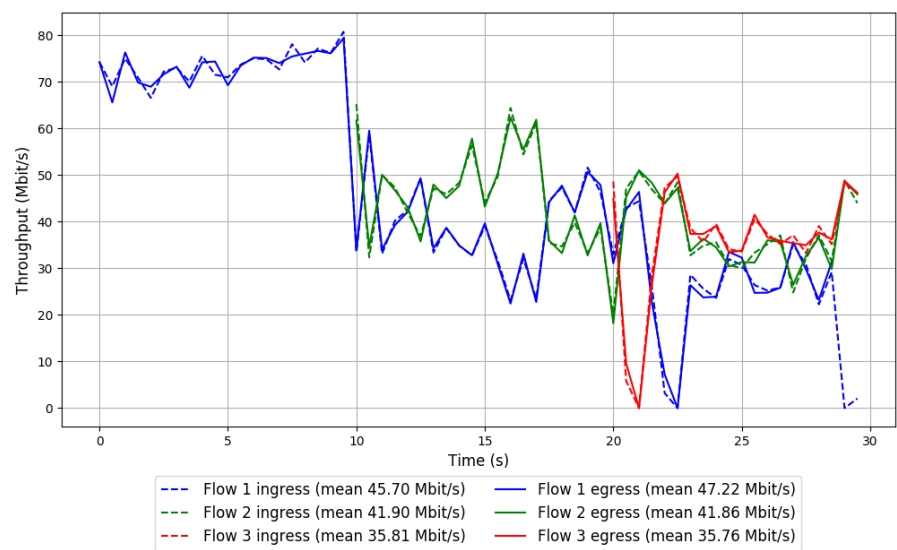


Run 7: Statistics of Verus

Start at: 2018-02-13 15:43:43
End at: 2018-02-13 15:44:13
Local clock offset: -5.575 ms
Remote clock offset: -13.592 ms

Below is generated by plot.py at 2018-02-13 20:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 43.781 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 47.22 Mbit/s
95th percentile per-packet one-way delay: 42.739 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 43.476 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 35.76 Mbit/s
95th percentile per-packet one-way delay: 44.703 ms
Loss rate: 0.31%

Run 7: Report of Verus — Data Link

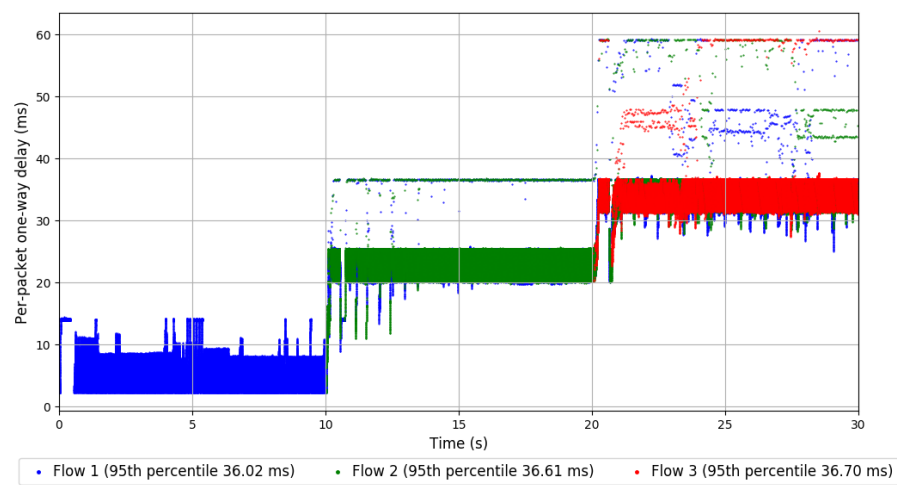
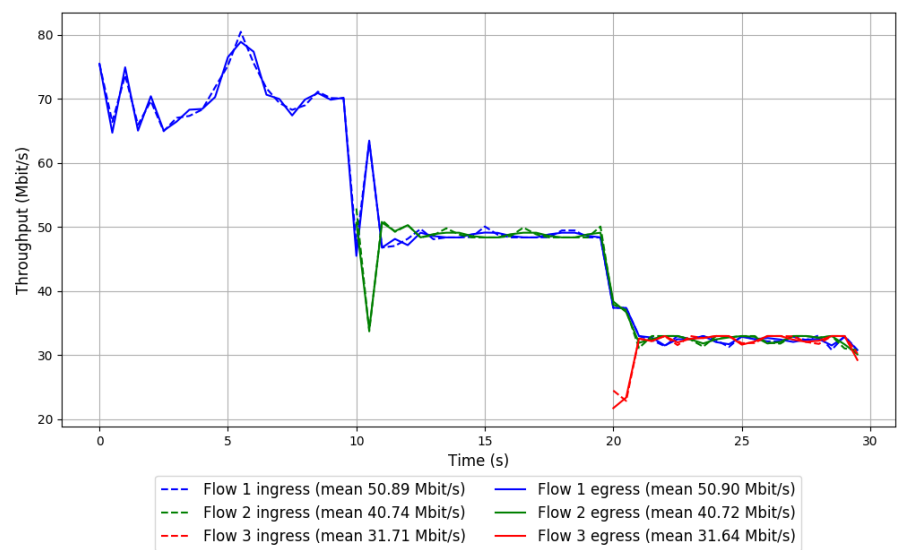


Run 8: Statistics of Verus

Start at: 2018-02-13 16:04:06
End at: 2018-02-13 16:04:36
Local clock offset: -5.589 ms
Remote clock offset: -5.424 ms

```
# Below is generated by plot.py at 2018-02-13 20:34:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.49 Mbit/s
95th percentile per-packet one-way delay: 36.604 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: 36.015 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 36.613 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 36.699 ms
Loss rate: 0.51%
```

Run 8: Report of Verus — Data Link

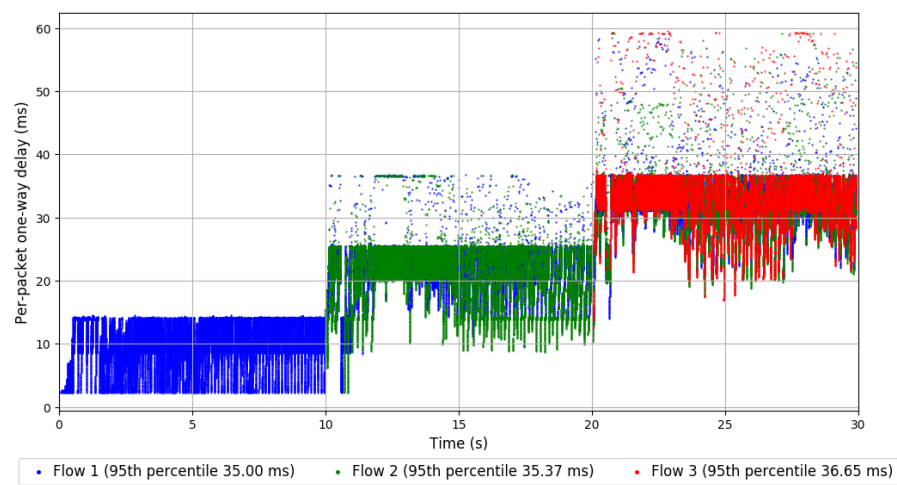
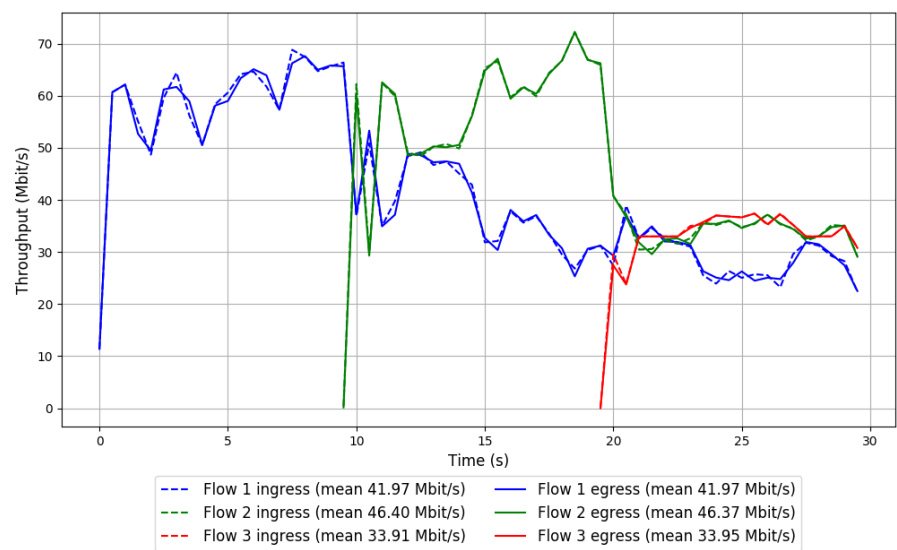


Run 9: Statistics of Verus

Start at: 2018-02-13 16:24:29
End at: 2018-02-13 16:24:59
Local clock offset: -5.639 ms
Remote clock offset: -5.199 ms

Below is generated by plot.py at 2018-02-13 20:34:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 35.899 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 35.004 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 46.37 Mbit/s
95th percentile per-packet one-way delay: 35.366 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 36.646 ms
Loss rate: 0.33%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-13 16:44:52

End at: 2018-02-13 16:45:22

Local clock offset: -5.564 ms

Remote clock offset: -5.28 ms

Below is generated by plot.py at 2018-02-13 20:34:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 36.502 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 52.71 Mbit/s

95th percentile per-packet one-way delay: 34.715 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 41.42 Mbit/s

95th percentile per-packet one-way delay: 36.539 ms

Loss rate: 0.17%

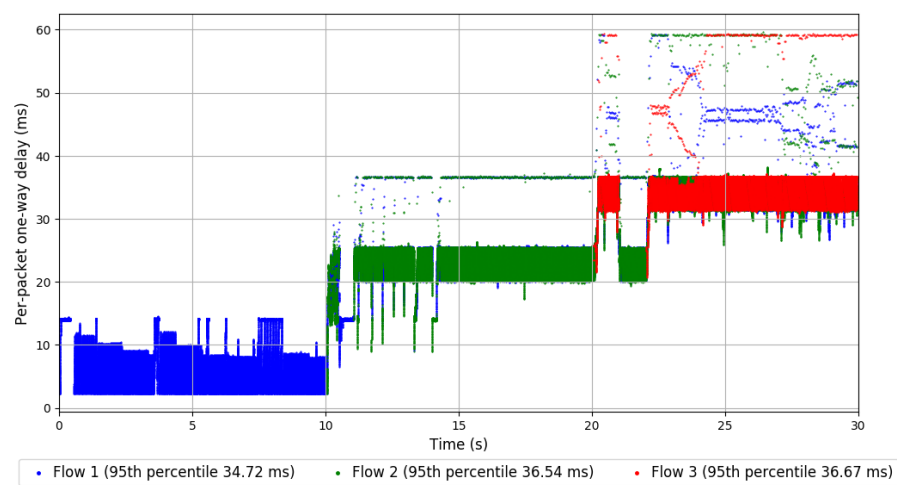
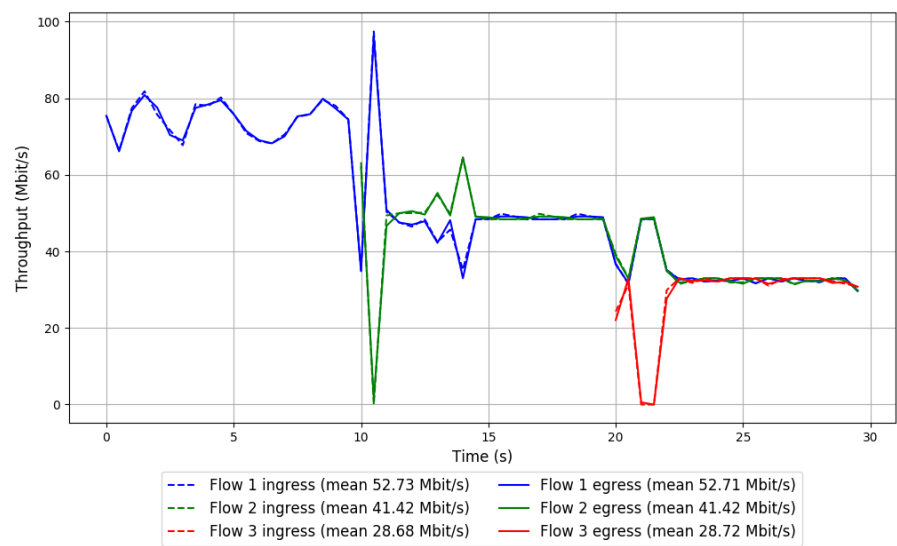
-- Flow 3:

Average throughput: 28.72 Mbit/s

95th percentile per-packet one-way delay: 36.675 ms

Loss rate: 0.39%

Run 10: Report of Verus — Data Link

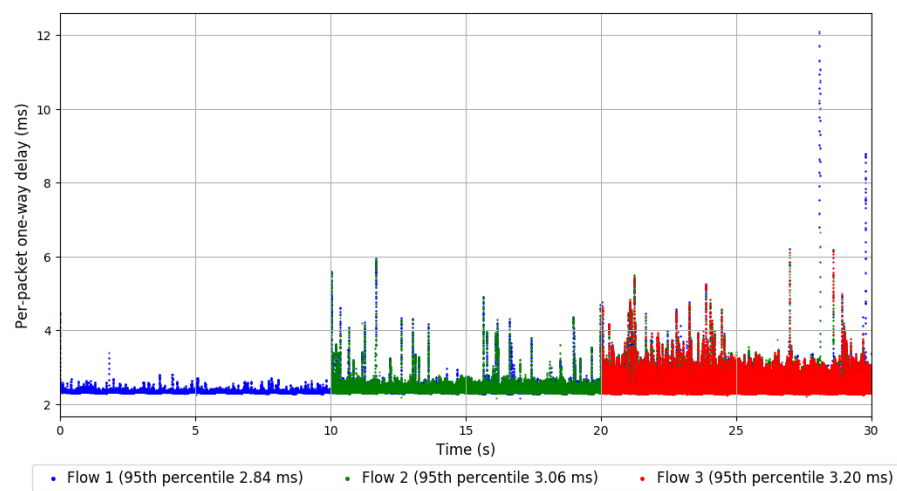
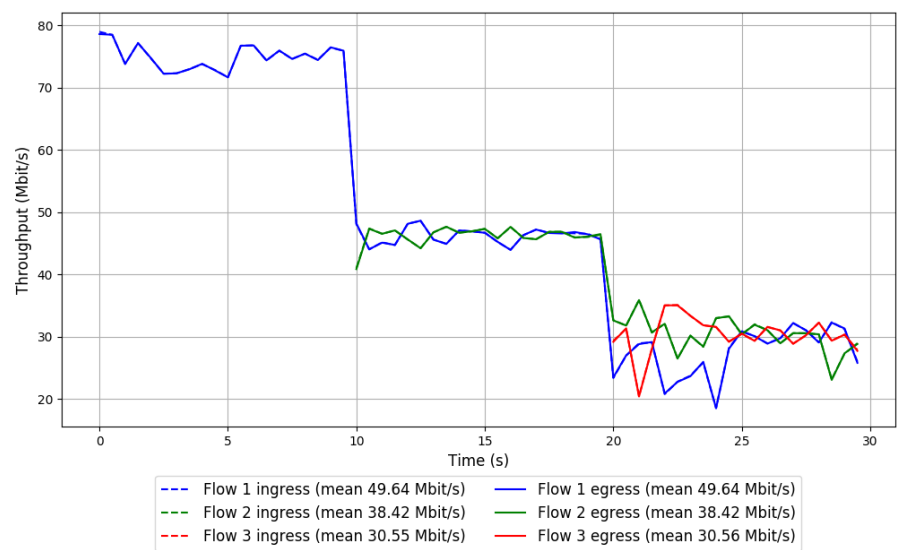


Run 1: Statistics of Copa

Start at: 2018-02-13 13:44:42
End at: 2018-02-13 13:45:12
Local clock offset: -4.383 ms
Remote clock offset: -5.128 ms

Below is generated by plot.py at 2018-02-13 20:35:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.31 Mbit/s
95th percentile per-packet one-way delay: 2.997 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 2.839 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 3.058 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 3.203 ms
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

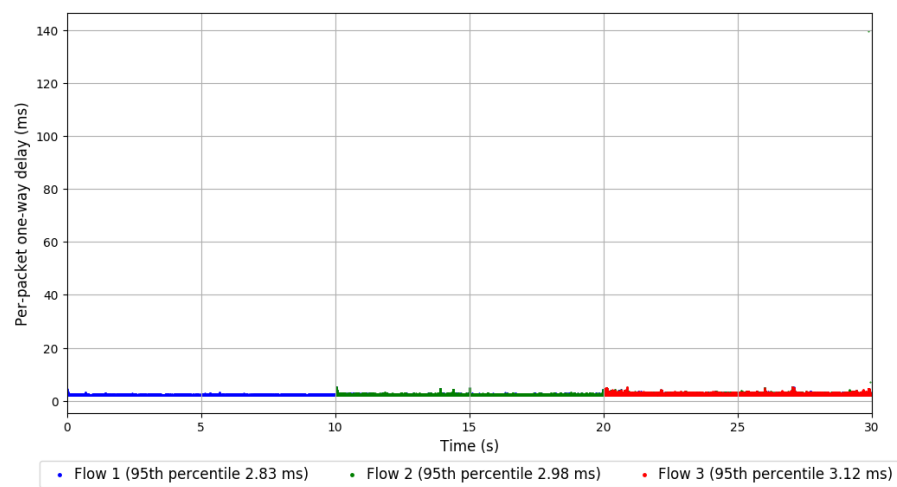
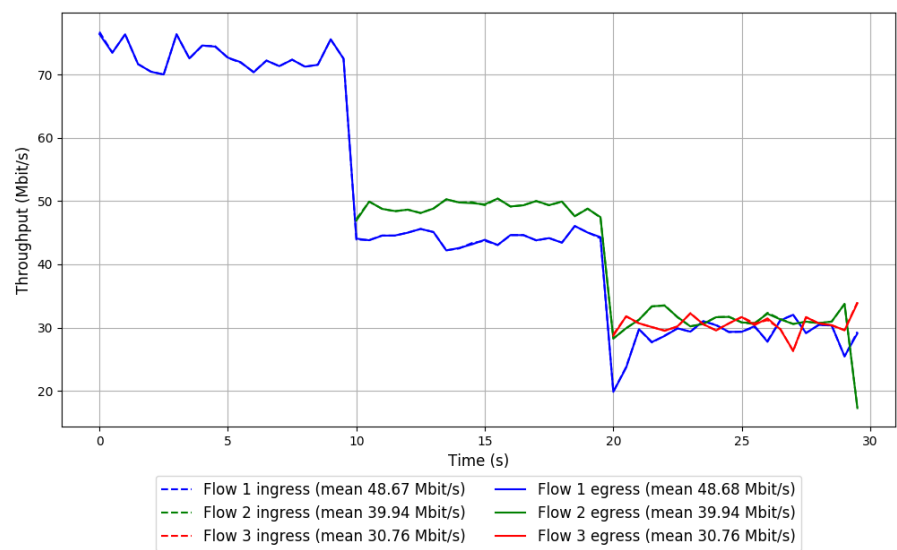


Run 2: Statistics of Copa

Start at: 2018-02-13 14:05:08
End at: 2018-02-13 14:05:38
Local clock offset: -5.203 ms
Remote clock offset: -5.544 ms

Below is generated by plot.py at 2018-02-13 20:35:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 2.958 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 2.831 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 2.983 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 3.121 ms
Loss rate: 0.05%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-13 14:25:32

End at: 2018-02-13 14:26:02

Local clock offset: -5.446 ms

Remote clock offset: -5.28 ms

Below is generated by plot.py at 2018-02-13 20:35:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 2.998 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 2.546 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 55.29 Mbit/s

95th percentile per-packet one-way delay: 2.820 ms

Loss rate: 0.02%

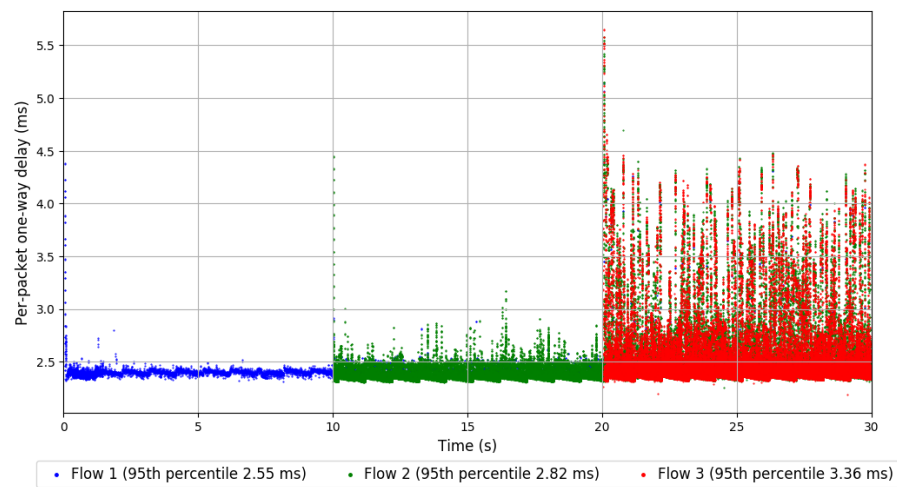
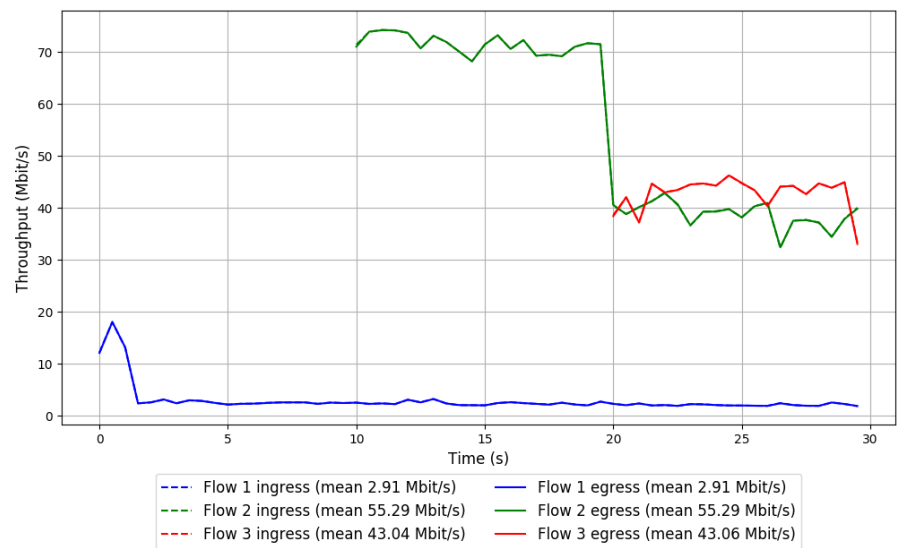
-- Flow 3:

Average throughput: 43.06 Mbit/s

95th percentile per-packet one-way delay: 3.359 ms

Loss rate: 0.05%

Run 3: Report of Copa — Data Link

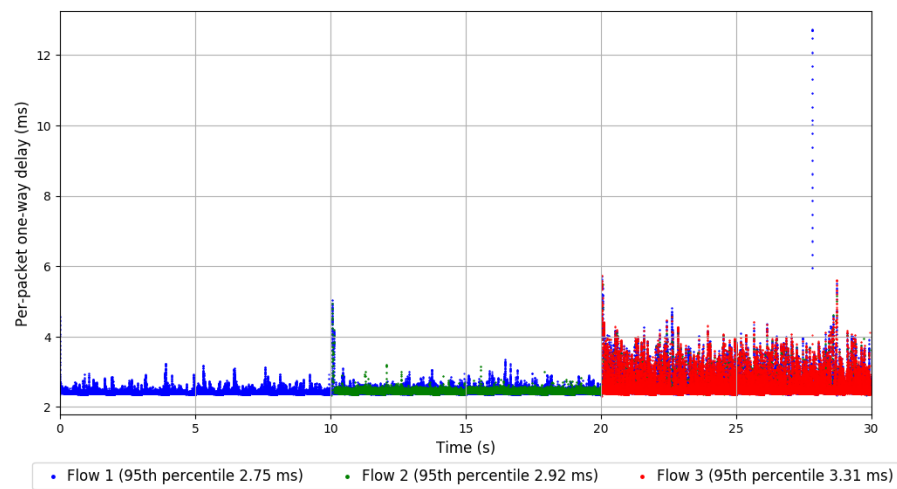
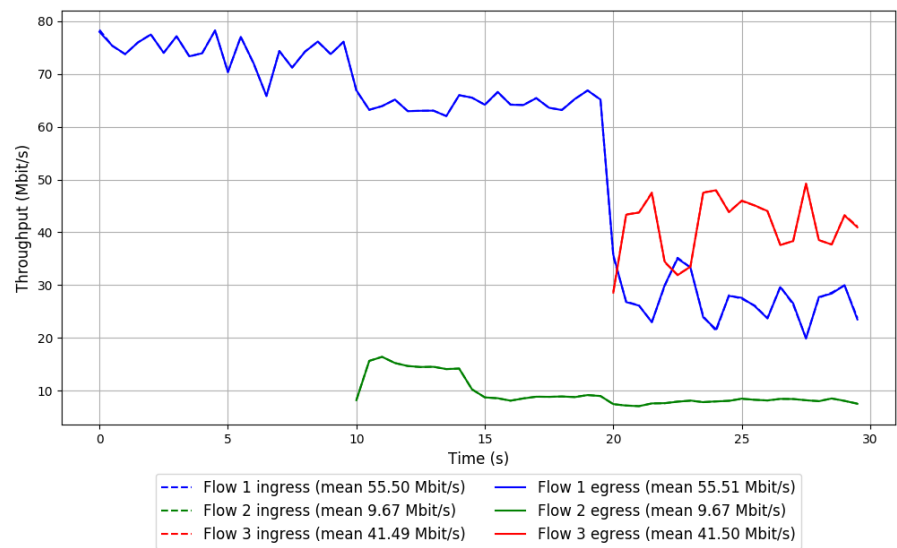


Run 4: Statistics of Copa

Start at: 2018-02-13 14:45:54
End at: 2018-02-13 14:46:24
Local clock offset: -5.613 ms
Remote clock offset: -5.077 ms

```
# Below is generated by plot.py at 2018-02-13 20:35:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 2.936 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.51 Mbit/s
95th percentile per-packet one-way delay: 2.751 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 41.50 Mbit/s
95th percentile per-packet one-way delay: 3.312 ms
Loss rate: 0.06%
```

Run 4: Report of Copa — Data Link

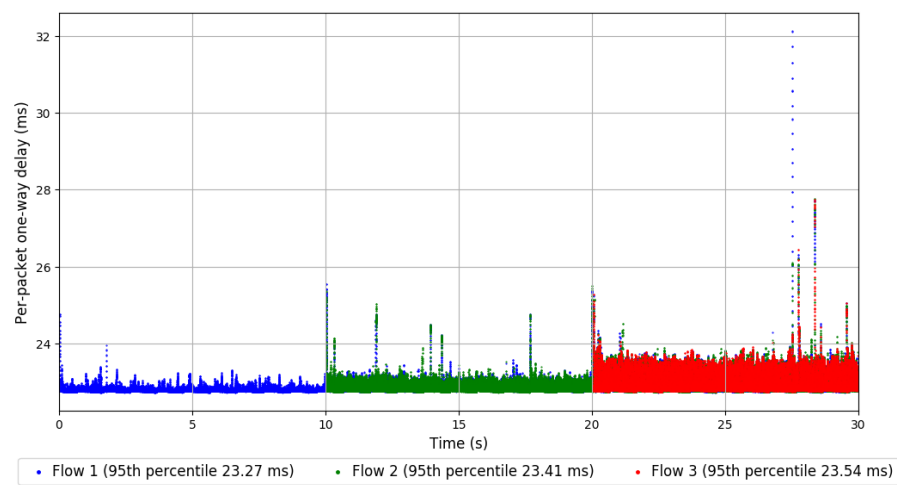
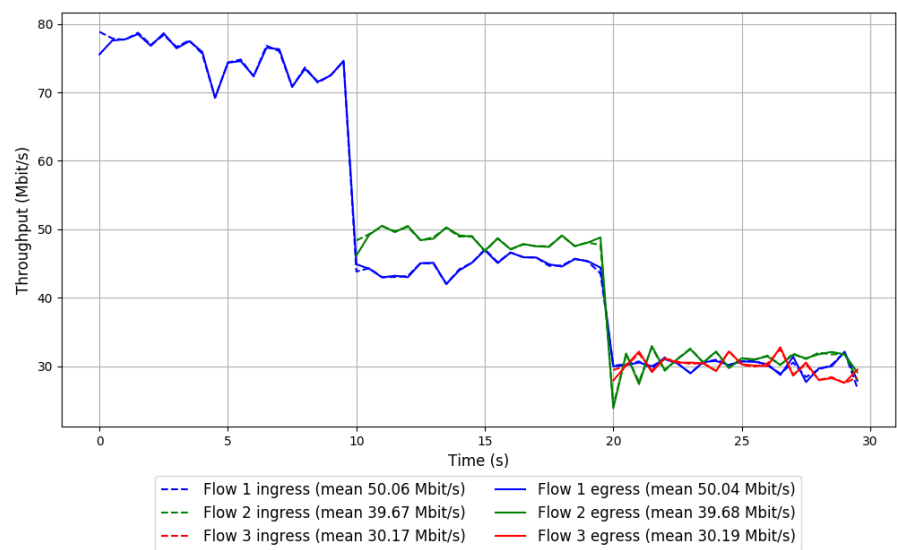


Run 5: Statistics of Copa

Start at: 2018-02-13 15:06:19
End at: 2018-02-13 15:06:49
Local clock offset: -5.651 ms
Remote clock offset: -25.703 ms

Below is generated by plot.py at 2018-02-13 20:36:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 23.390 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 23.267 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 23.414 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 23.544 ms
Loss rate: 0.05%

Run 5: Report of Copa — Data Link

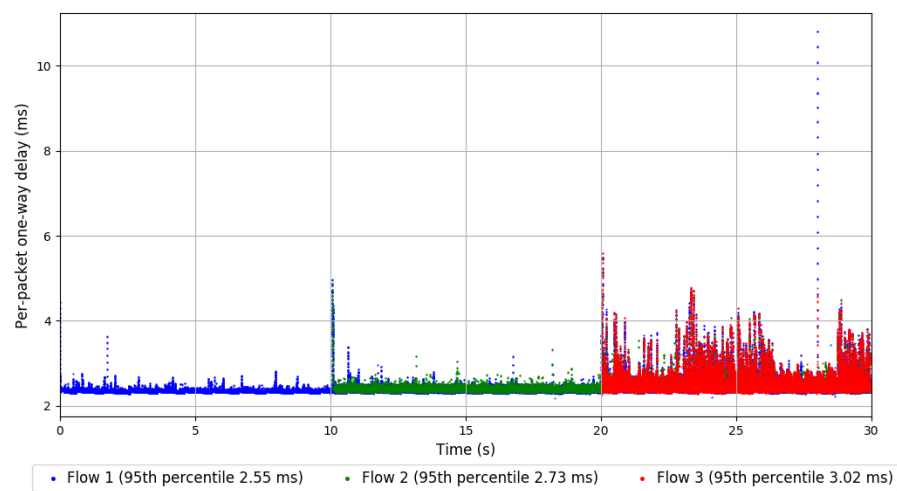
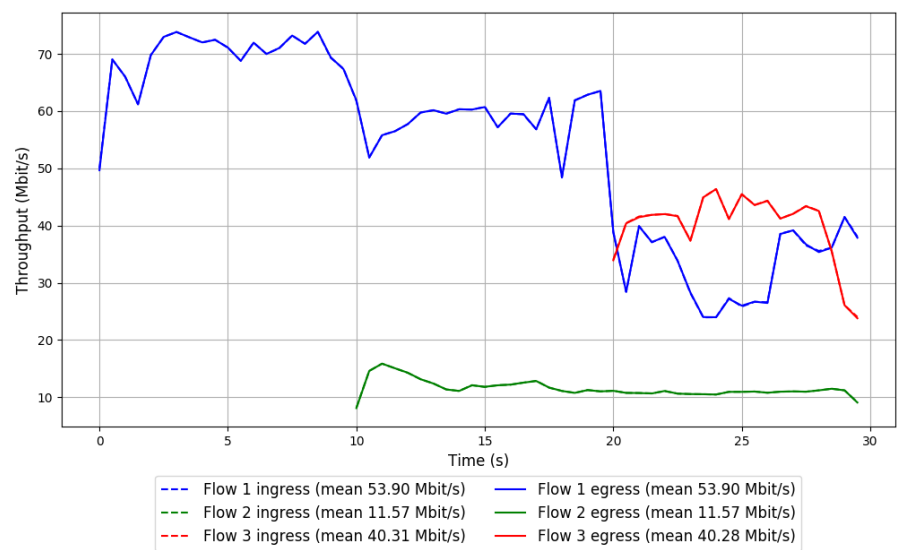


Run 6: Statistics of Copa

Start at: 2018-02-13 15:26:42
End at: 2018-02-13 15:27:12
Local clock offset: -5.695 ms
Remote clock offset: -5.343 ms

```
# Below is generated by plot.py at 2018-02-13 20:36:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.94 Mbit/s
95th percentile per-packet one-way delay: 2.676 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 53.90 Mbit/s
95th percentile per-packet one-way delay: 2.554 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 2.733 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 3.022 ms
Loss rate: 0.10%
```

Run 6: Report of Copa — Data Link

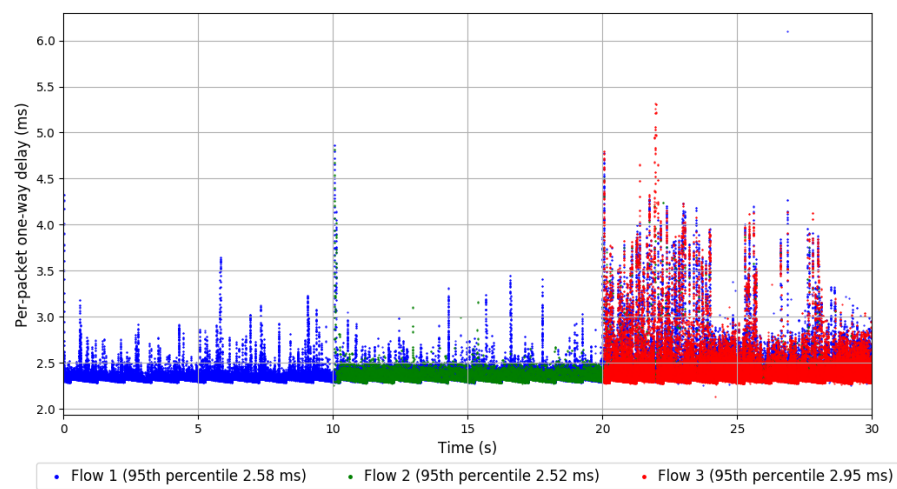
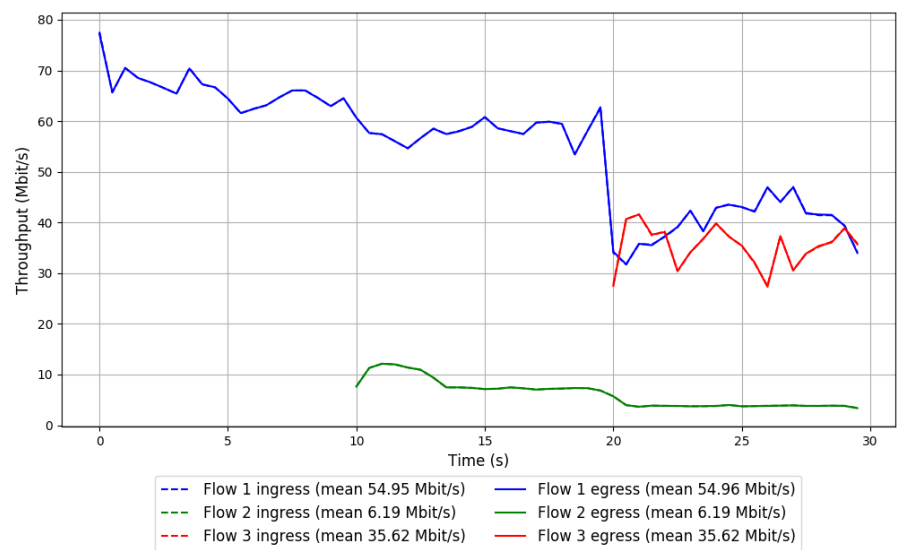


Run 7: Statistics of Copa

Start at: 2018-02-13 15:47:03
End at: 2018-02-13 15:47:33
Local clock offset: -5.566 ms
Remote clock offset: -5.514 ms

Below is generated by plot.py at 2018-02-13 20:36:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.87 Mbit/s
95th percentile per-packet one-way delay: 2.642 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 2.580 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 2.950 ms
Loss rate: 0.05%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-13 16:07:26

End at: 2018-02-13 16:07:56

Local clock offset: -5.586 ms

Remote clock offset: -5.44 ms

Below is generated by plot.py at 2018-02-13 20:36:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 3.008 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 48.20 Mbit/s

95th percentile per-packet one-way delay: 2.890 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.59 Mbit/s

95th percentile per-packet one-way delay: 3.022 ms

Loss rate: 0.02%

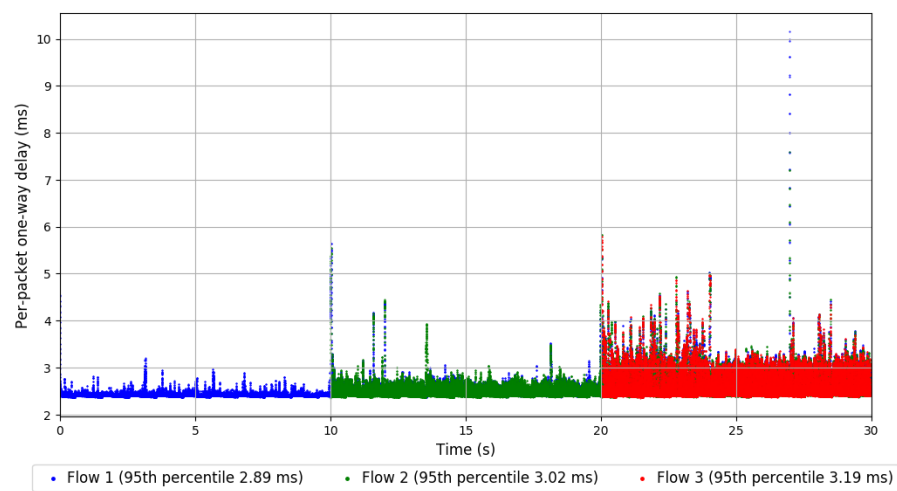
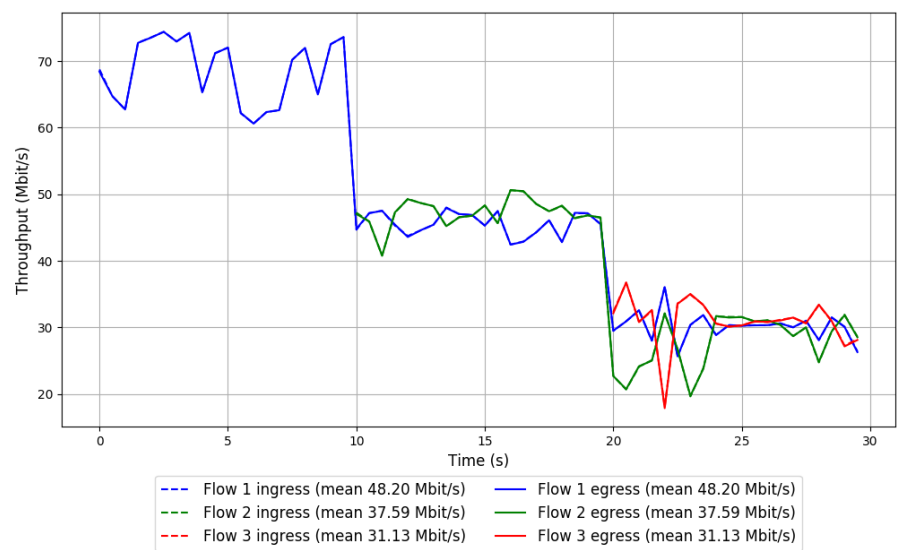
-- Flow 3:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 3.195 ms

Loss rate: 0.05%

Run 8: Report of Copa — Data Link

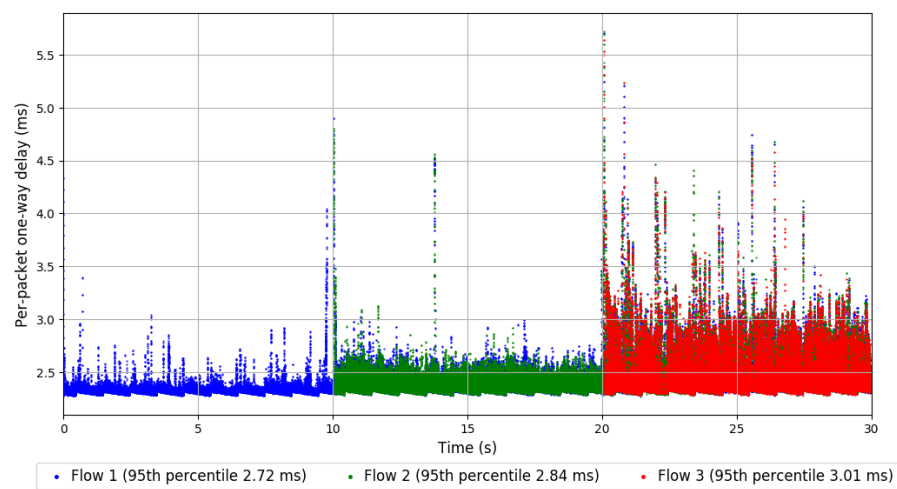
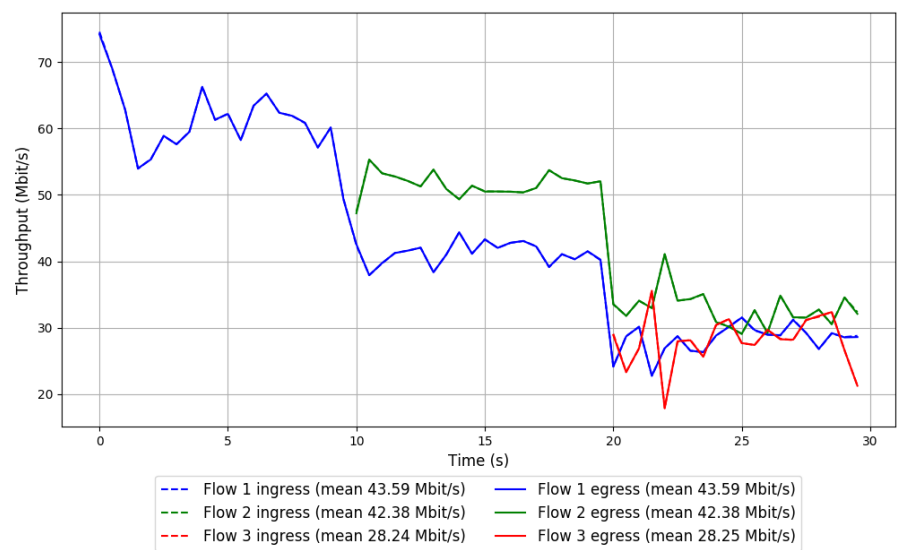


Run 9: Statistics of Copa

Start at: 2018-02-13 16:27:50
End at: 2018-02-13 16:28:20
Local clock offset: -5.642 ms
Remote clock offset: -5.188 ms

Below is generated by plot.py at 2018-02-13 20:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 2.829 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.59 Mbit/s
95th percentile per-packet one-way delay: 2.718 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 42.38 Mbit/s
95th percentile per-packet one-way delay: 2.838 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 28.25 Mbit/s
95th percentile per-packet one-way delay: 3.006 ms
Loss rate: 0.03%

Run 9: Report of Copa — Data Link

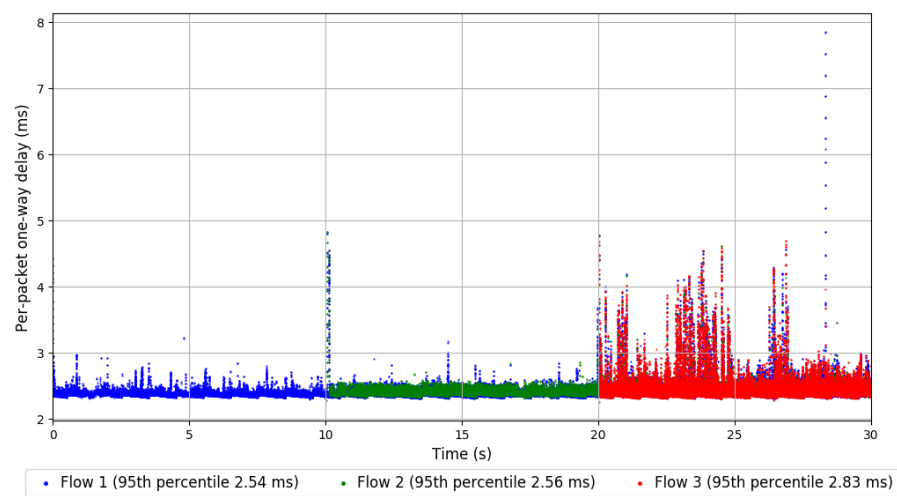
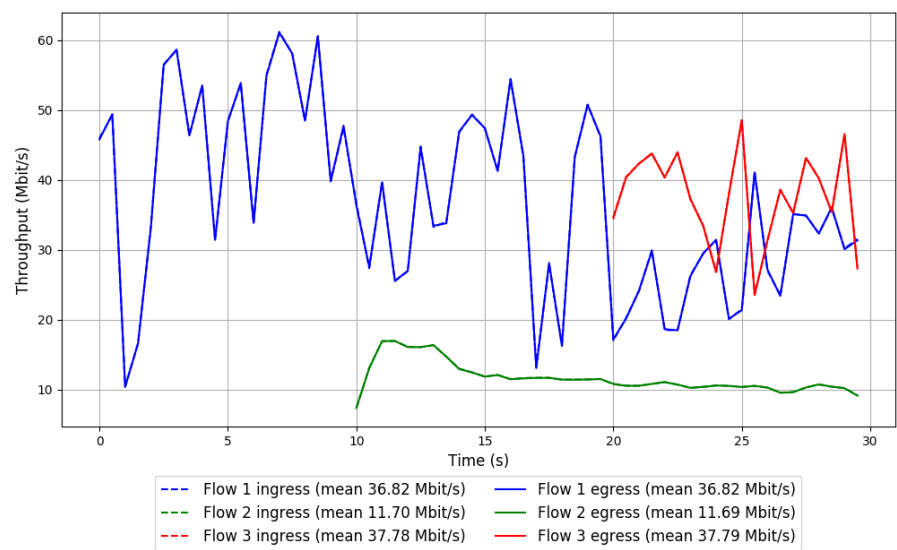


Run 10: Statistics of Copa

Start at: 2018-02-13 16:48:12
End at: 2018-02-13 16:48:42
Local clock offset: -5.405 ms
Remote clock offset: -5.292 ms

Below is generated by plot.py at 2018-02-13 20:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 2.594 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 2.536 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 2.564 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 2.826 ms
Loss rate: 0.06%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-13 13:31:07

End at: 2018-02-13 13:31:37

Local clock offset: -4.72 ms

Remote clock offset: -23.706 ms

Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-02-13 13:51:33

End at: 2018-02-13 13:52:03

Local clock offset: -4.308 ms

Remote clock offset: -5.461 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-02-13 14:12:00

End at: 2018-02-13 14:12:30

Local clock offset: -5.347 ms

Remote clock offset: -5.619 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-02-13 14:32:20

End at: 2018-02-13 14:32:50

Local clock offset: -5.502 ms

Remote clock offset: -5.162 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-02-13 14:52:45

End at: 2018-02-13 14:53:15

Local clock offset: -5.715 ms

Remote clock offset: -5.015 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-02-13 15:13:10

End at: 2018-02-13 15:13:40

Local clock offset: -5.609 ms

Remote clock offset: -5.233 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-02-13 15:33:32

End at: 2018-02-13 15:34:02

Local clock offset: -5.68 ms

Remote clock offset: -5.447 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2018-02-13 15:53:55

End at: 2018-02-13 15:54:25

Local clock offset: -5.568 ms

Remote clock offset: -5.593 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-02-13 16:14:17

End at: 2018-02-13 16:14:47

Local clock offset: -5.603 ms

Remote clock offset: -5.26 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-02-13 16:34:41

End at: 2018-02-13 16:35:11

Local clock offset: -5.639 ms

Remote clock offset: -5.134 ms

Run 10: Report of FillP — Data Link

Figure is missing

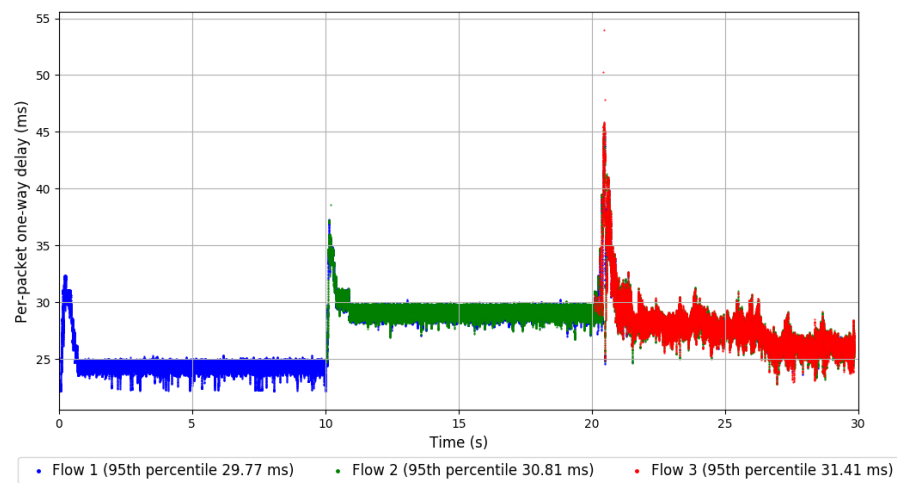
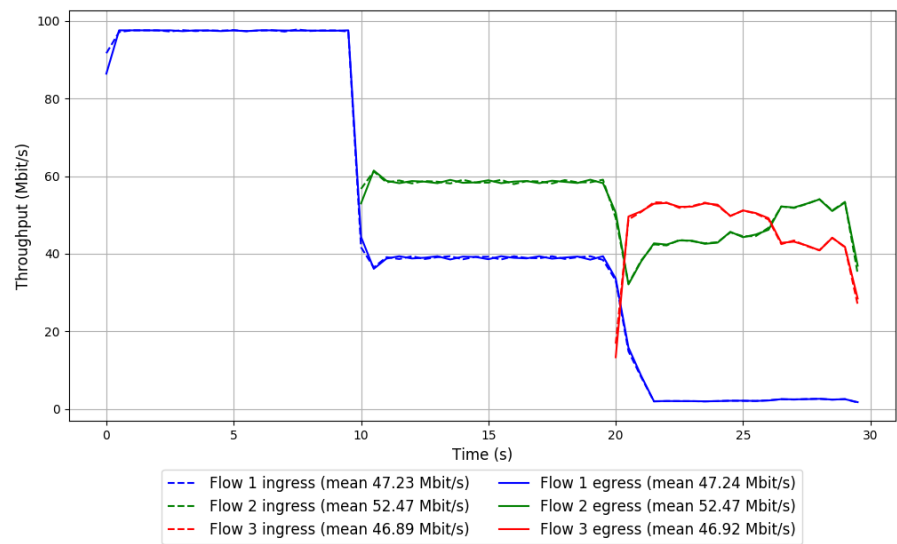
Figure is missing

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

Start at: 2018-02-13 13:40:12
End at: 2018-02-13 13:40:42
Local clock offset: -4.499 ms
Remote clock offset: -24.956 ms

# Below is generated by plot.py at 2018-02-13 20:37:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 30.327 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 29.769 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 30.812 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 46.92 Mbit/s
95th percentile per-packet one-way delay: 31.414 ms
Loss rate: 0.06%
```

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

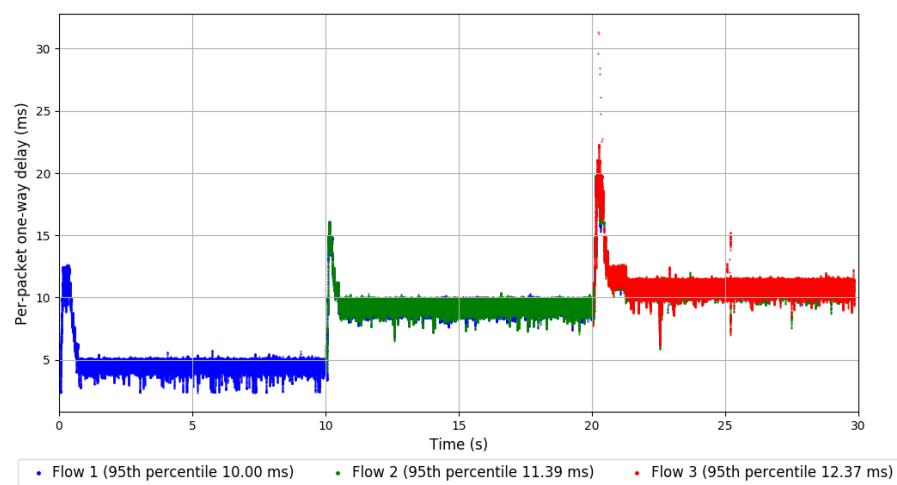
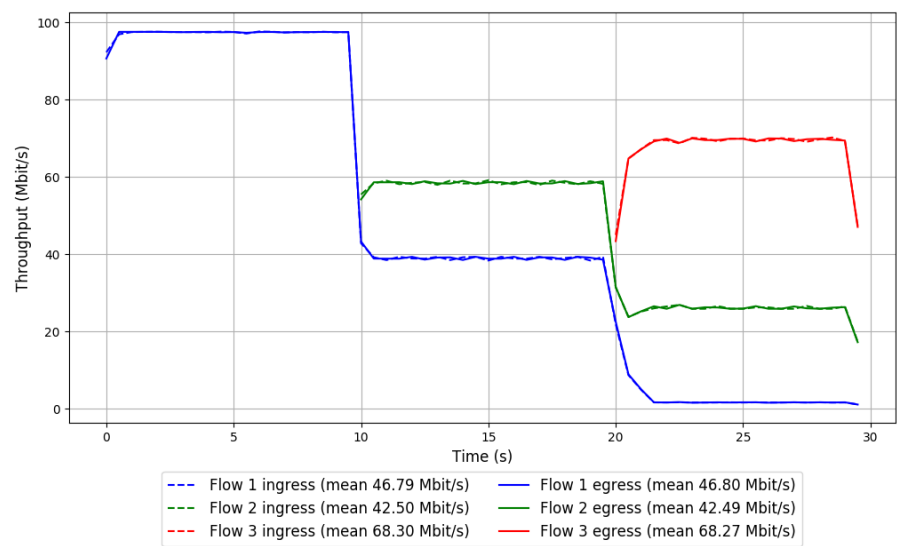


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-13 14:00:38
End at: 2018-02-13 14:01:08
Local clock offset: -5.038 ms
Remote clock offset: -5.523 ms

Below is generated by plot.py at 2018-02-13 20:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 11.489 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 9.999 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 11.394 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 12.370 ms
Loss rate: 0.14%

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

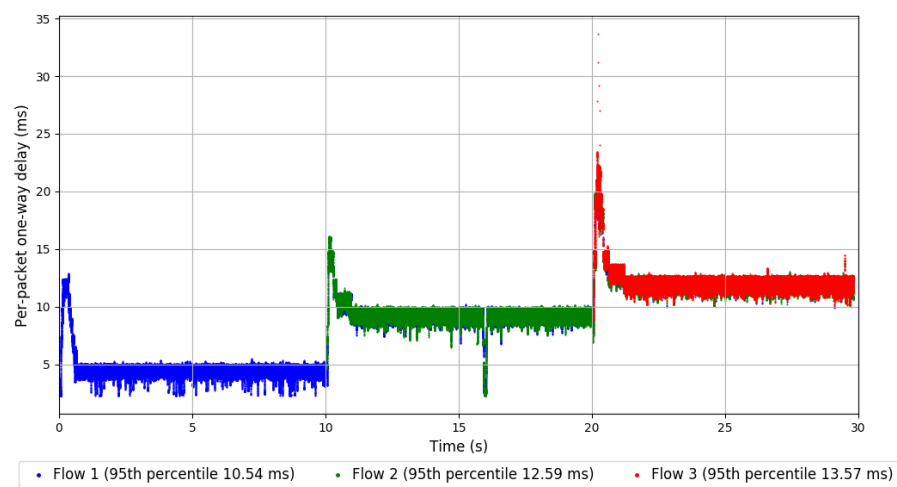
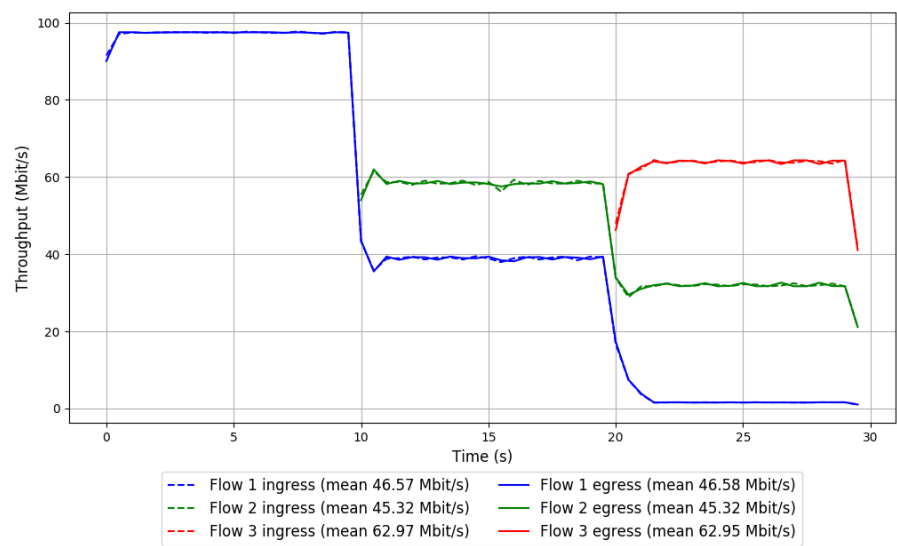


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-13 14:21:02
End at: 2018-02-13 14:21:32
Local clock offset: -5.473 ms
Remote clock offset: -5.415 ms

Below is generated by plot.py at 2018-02-13 20:37:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 12.579 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 10.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.32 Mbit/s
95th percentile per-packet one-way delay: 12.590 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.95 Mbit/s
95th percentile per-packet one-way delay: 13.575 ms
Loss rate: 0.15%

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

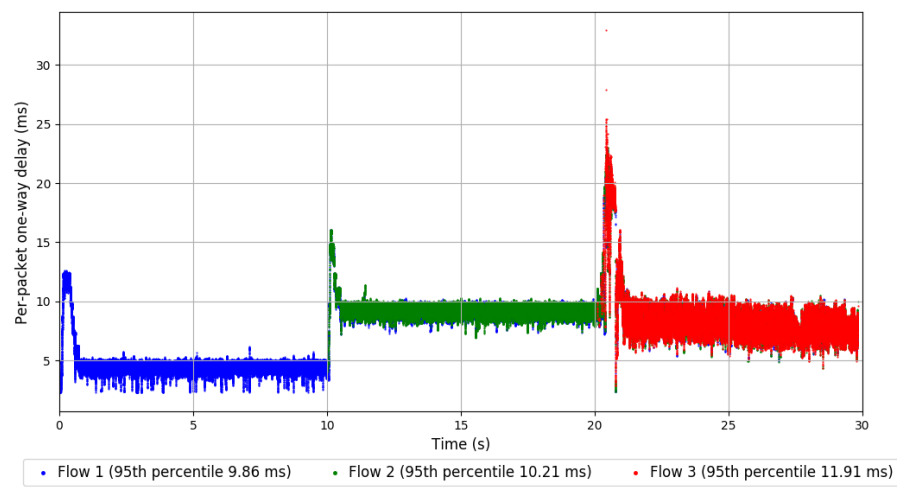
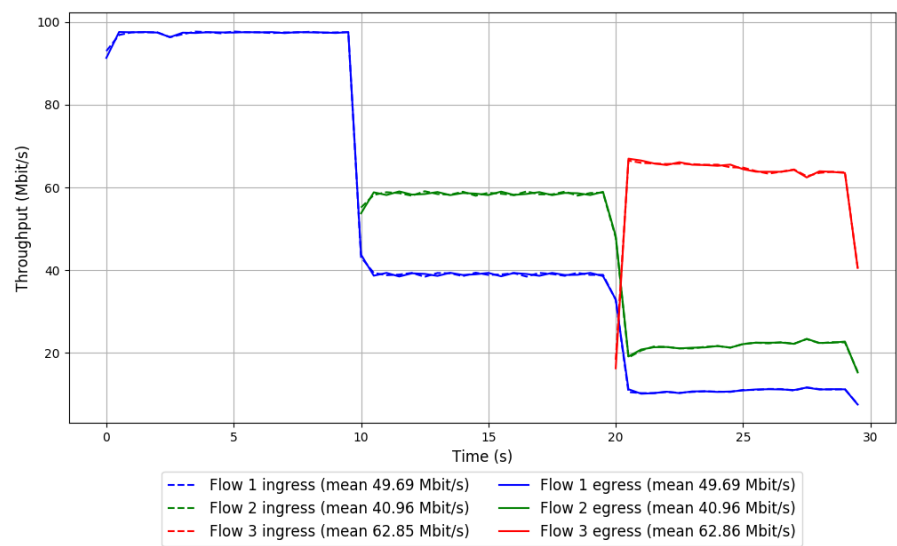


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-13 14:41:24
End at: 2018-02-13 14:41:54
Local clock offset: -5.604 ms
Remote clock offset: -5.058 ms

Below is generated by plot.py at 2018-02-13 20:37:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 10.071 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 9.857 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 10.214 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 62.86 Mbit/s
95th percentile per-packet one-way delay: 11.907 ms
Loss rate: 0.08%

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

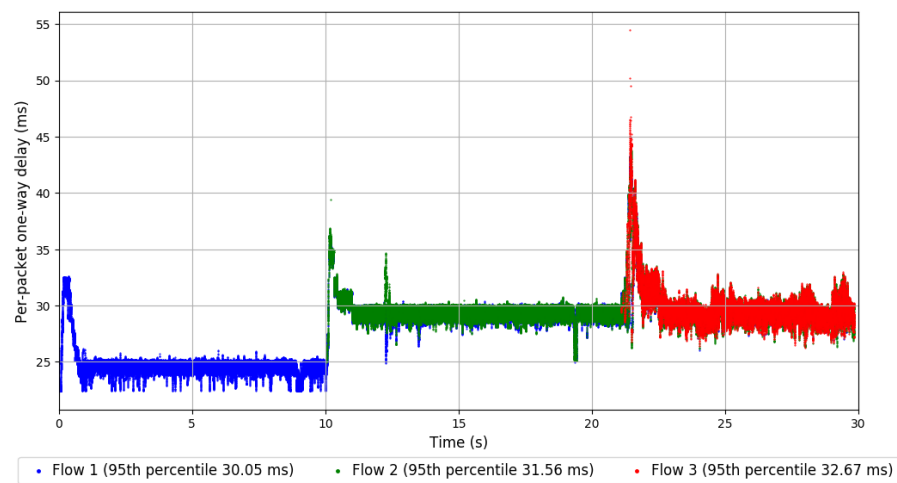
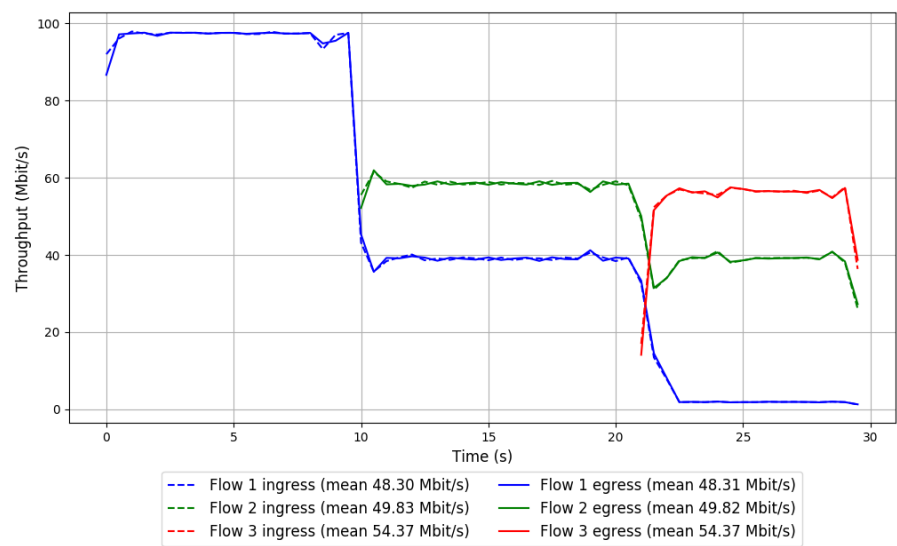


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-13 15:01:48
End at: 2018-02-13 15:02:18
Local clock offset: -5.722 ms
Remote clock offset: -25.418 ms

Below is generated by plot.py at 2018-02-13 20:37:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 31.295 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 30.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 31.556 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 54.37 Mbit/s
95th percentile per-packet one-way delay: 32.674 ms
Loss rate: 0.12%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-13 15:22:11

End at: 2018-02-13 15:22:41

Local clock offset: -5.676 ms

Remote clock offset: -25.568 ms

Below is generated by plot.py at 2018-02-13 20:38:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 32.843 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 46.58 Mbit/s

95th percentile per-packet one-way delay: 31.009 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.51 Mbit/s

95th percentile per-packet one-way delay: 32.853 ms

Loss rate: 0.05%

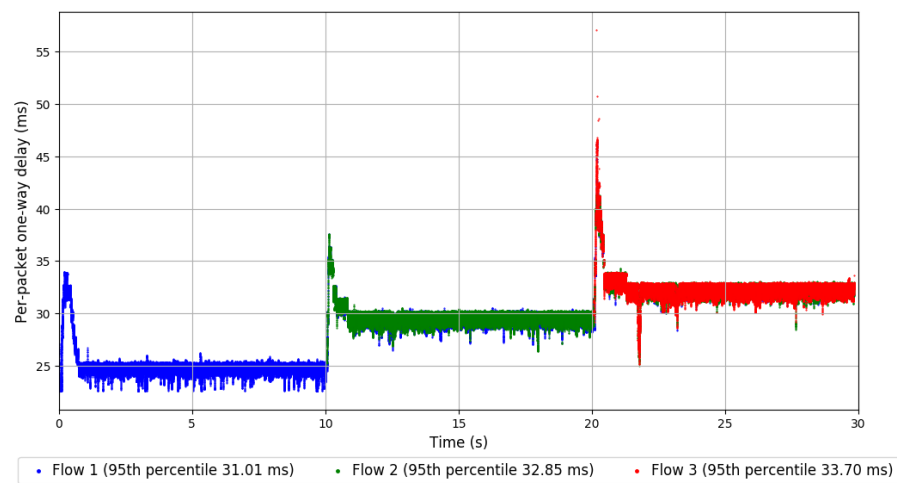
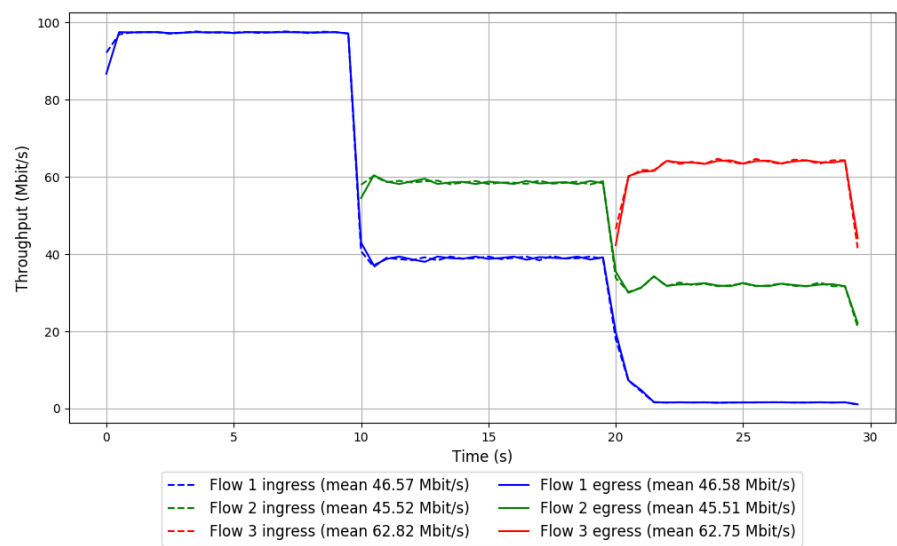
-- Flow 3:

Average throughput: 62.75 Mbit/s

95th percentile per-packet one-way delay: 33.696 ms

Loss rate: 0.22%

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

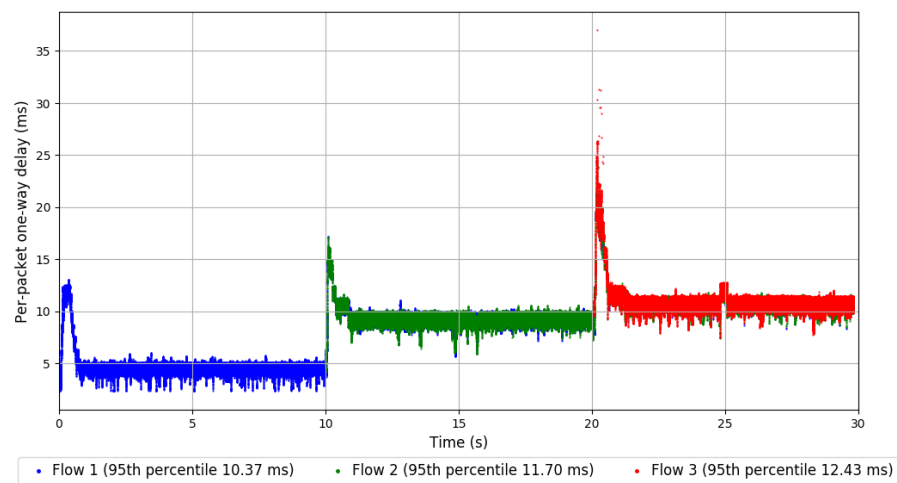
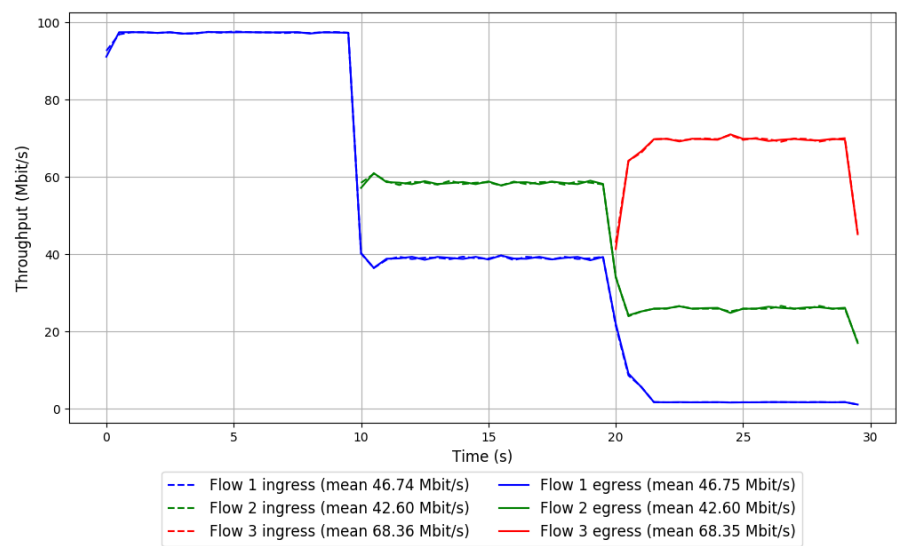


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-13 15:42:34
End at: 2018-02-13 15:43:04
Local clock offset: -5.536 ms
Remote clock offset: -5.487 ms

Below is generated by plot.py at 2018-02-13 20:38:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 11.739 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 10.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 11.700 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 12.434 ms
Loss rate: 0.14%

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

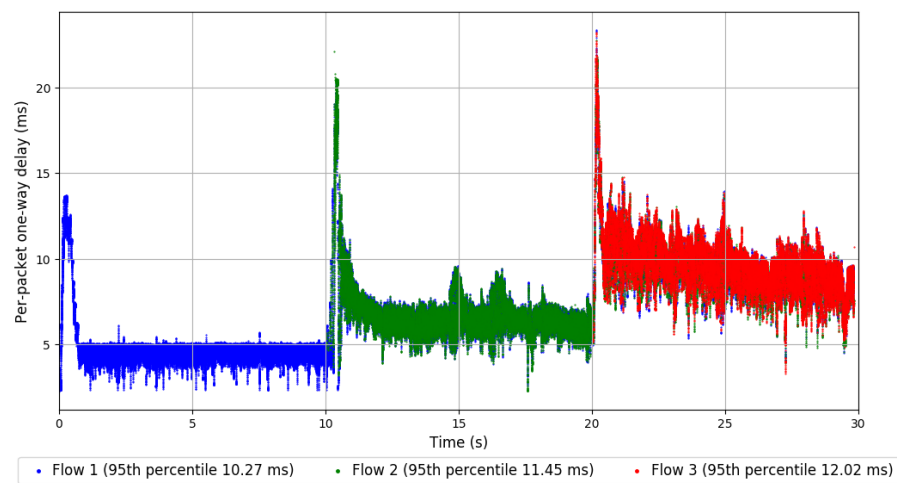
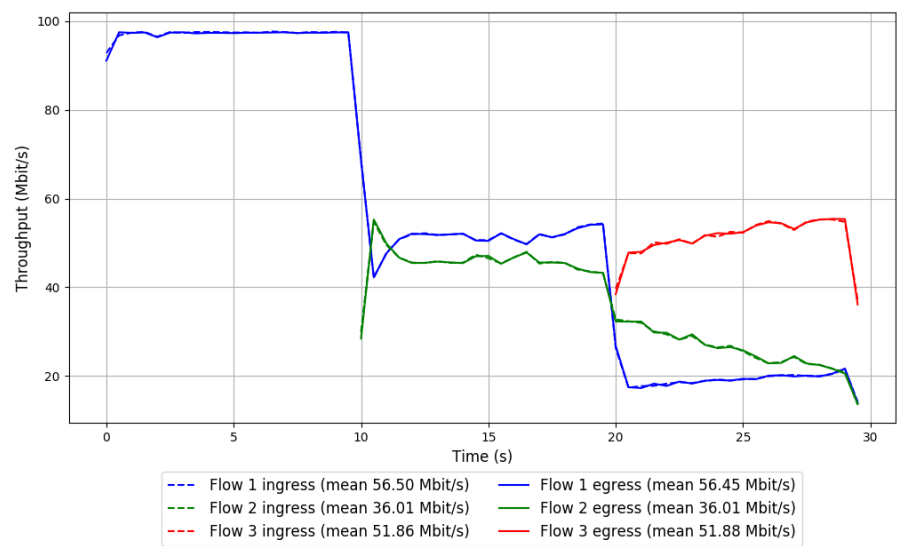


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-13 16:02:57
End at: 2018-02-13 16:03:27
Local clock offset: -5.557 ms
Remote clock offset: -5.454 ms

Below is generated by plot.py at 2018-02-13 20:38:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 11.260 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 10.267 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 11.451 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 12.024 ms
Loss rate: 0.12%

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

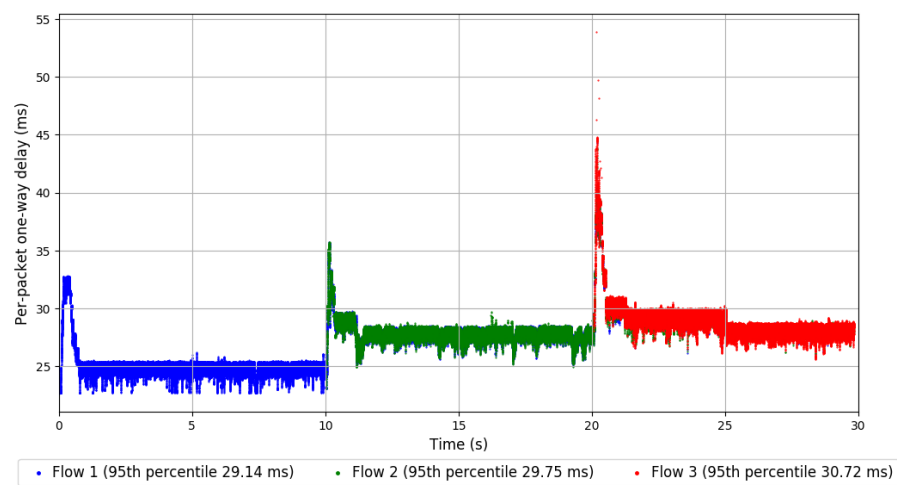
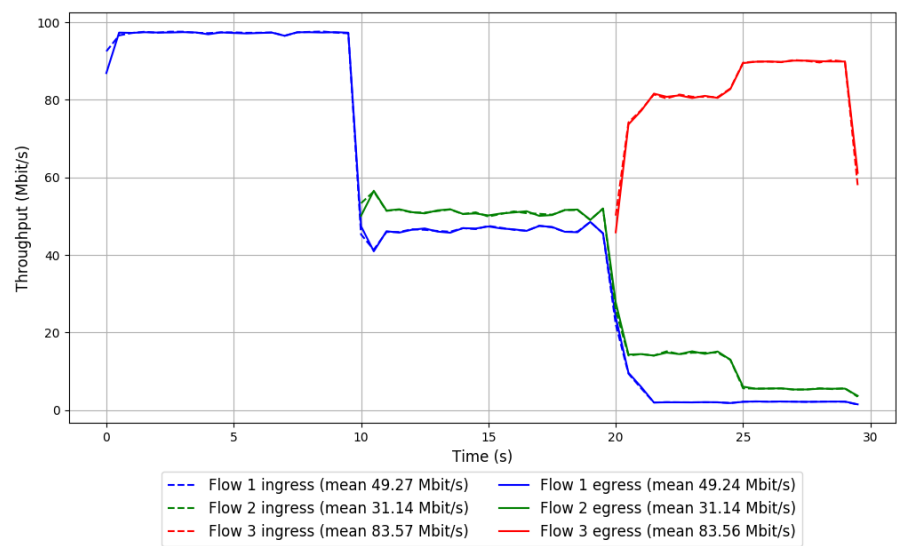


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-13 16:23:20
End at: 2018-02-13 16:23:50
Local clock offset: -5.605 ms
Remote clock offset: -25.549 ms

Below is generated by plot.py at 2018-02-13 20:38:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 29.946 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 29.141 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 29.751 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 30.718 ms
Loss rate: 0.12%

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

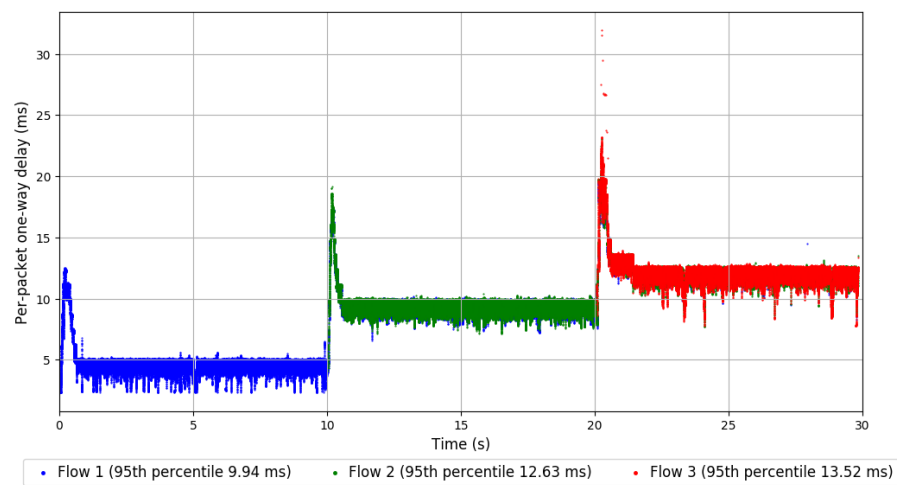
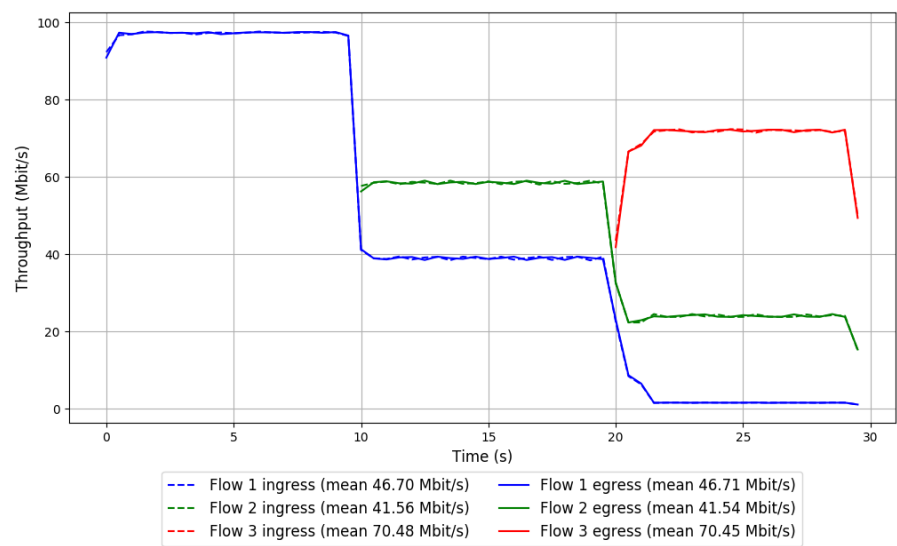


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-13 16:43:43
End at: 2018-02-13 16:44:13
Local clock offset: -5.558 ms
Remote clock offset: -5.296 ms

Below is generated by plot.py at 2018-02-13 20:39:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 12.623 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 9.935 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 12.634 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 70.45 Mbit/s
95th percentile per-packet one-way delay: 13.521 ms
Loss rate: 0.15%

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

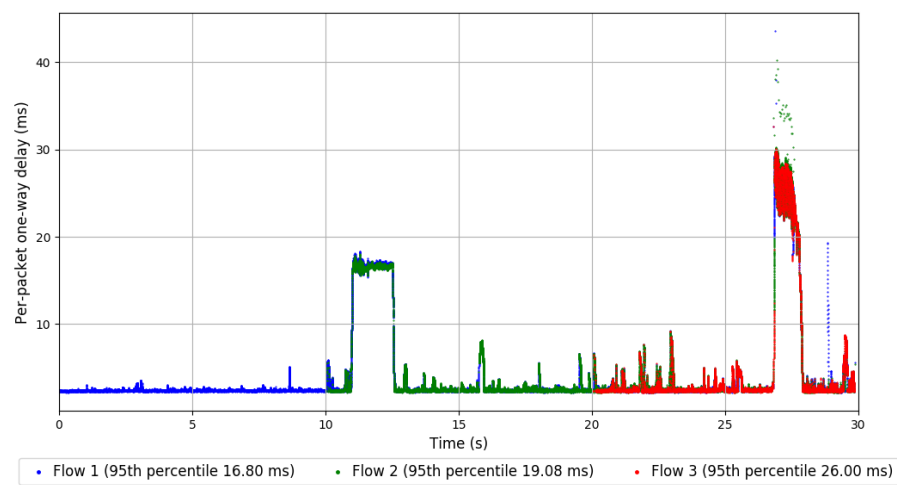
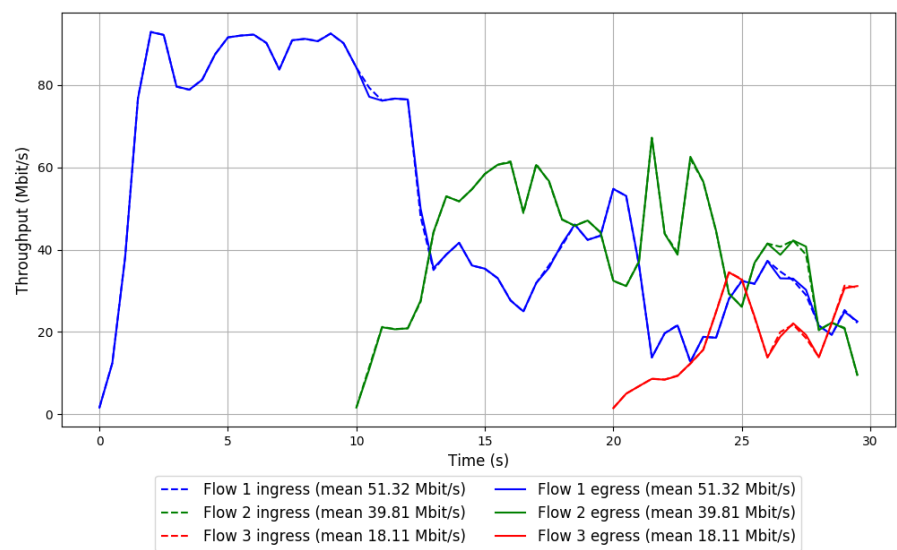


Run 1: Statistics of Vivace-latency

Start at: 2018-02-13 13:39:03
End at: 2018-02-13 13:39:33
Local clock offset: -4.523 ms
Remote clock offset: -5.138 ms

Below is generated by plot.py at 2018-02-13 20:39:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.74 Mbit/s
95th percentile per-packet one-way delay: 16.877 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: 16.795 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 26.003 ms
Loss rate: 0.12%

Run 1: Report of Vivace-latency — Data Link

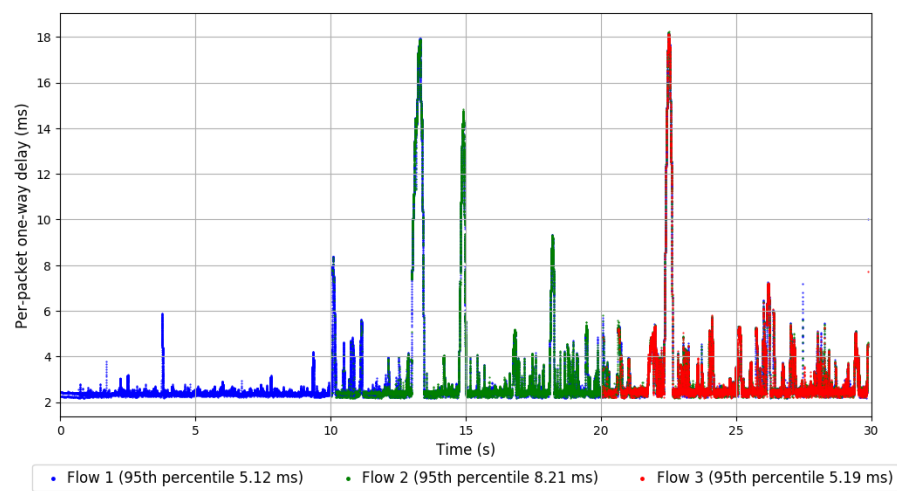
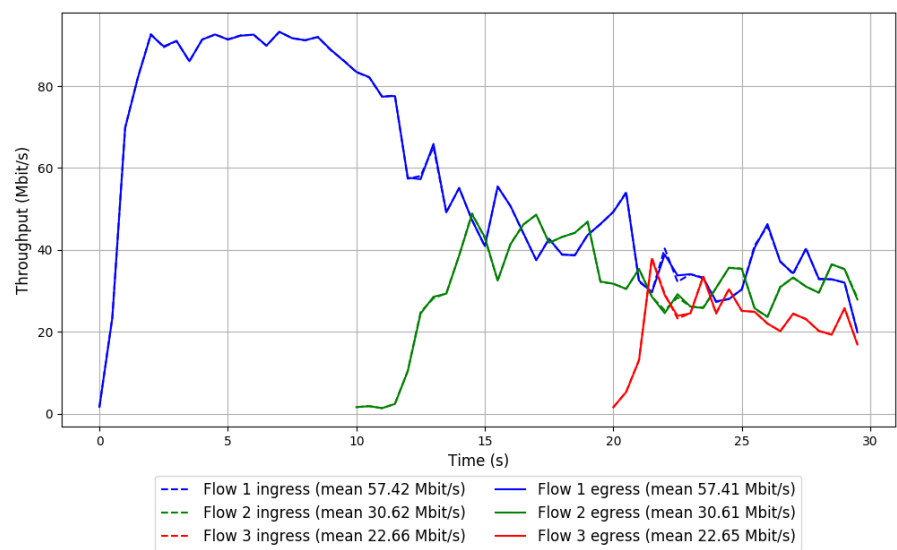


Run 2: Statistics of Vivace-latency

Start at: 2018-02-13 13:59:29
End at: 2018-02-13 13:59:59
Local clock offset: -4.994 ms
Remote clock offset: -5.513 ms

Below is generated by plot.py at 2018-02-13 20:39:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 5.443 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 5.120 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 8.212 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 5.194 ms
Loss rate: 0.06%

Run 2: Report of Vivace-latency — Data Link

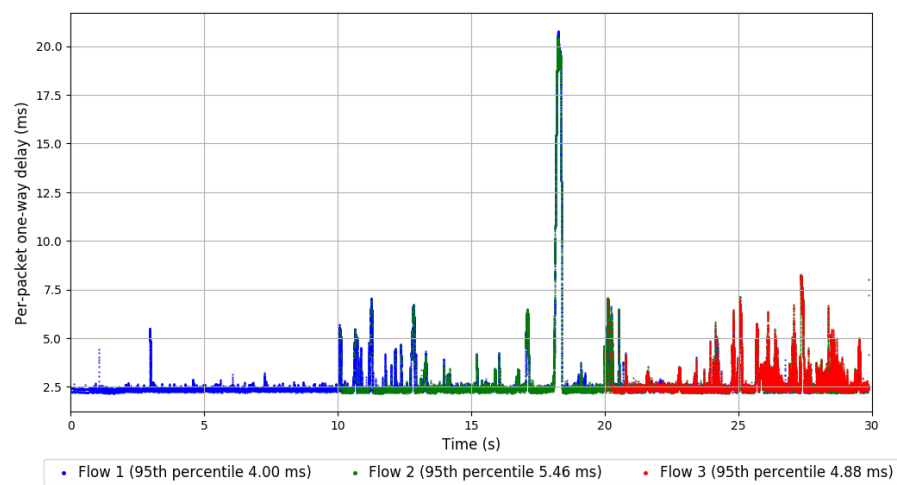
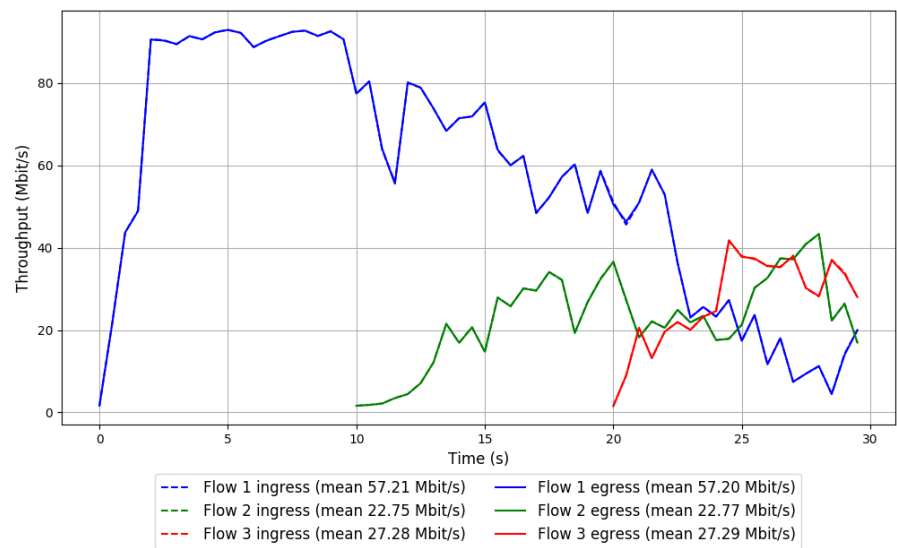


Run 3: Statistics of Vivace-latency

Start at: 2018-02-13 14:19:53
End at: 2018-02-13 14:20:23
Local clock offset: -5.398 ms
Remote clock offset: -5.459 ms

Below is generated by plot.py at 2018-02-13 20:39:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 4.476 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 3.996 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 22.77 Mbit/s
95th percentile per-packet one-way delay: 5.463 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 4.877 ms
Loss rate: 0.07%

Run 3: Report of Vivace-latency — Data Link

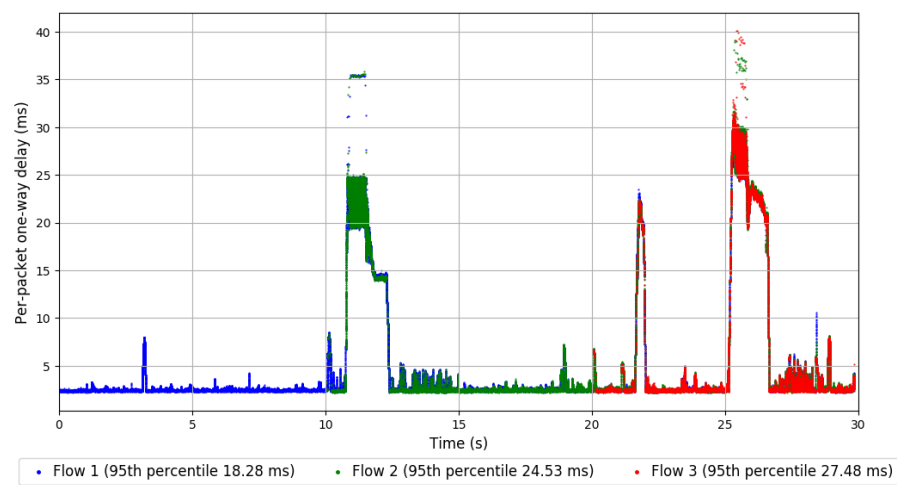
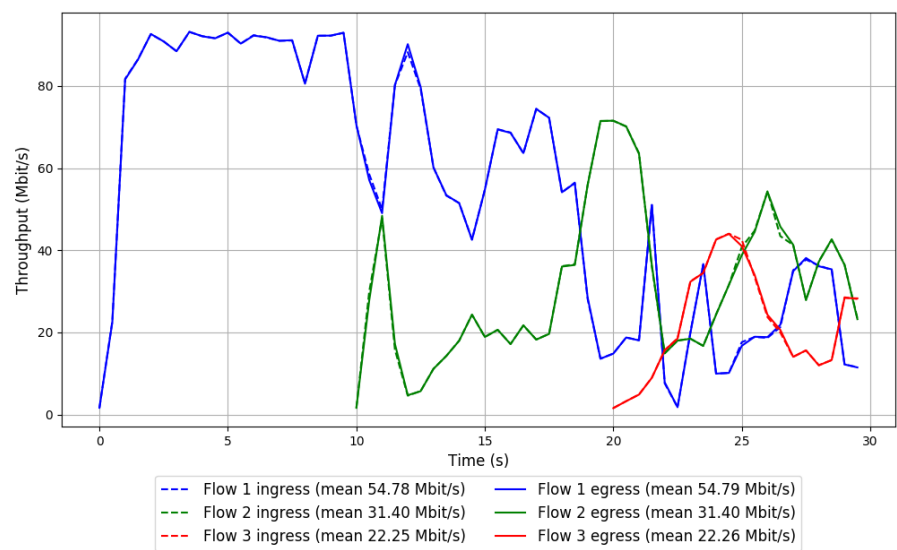


Run 4: Statistics of Vivace-latency

Start at: 2018-02-13 14:40:15
End at: 2018-02-13 14:40:45
Local clock offset: -5.582 ms
Remote clock offset: -5.143 ms

Below is generated by plot.py at 2018-02-13 20:39:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 22.914 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 18.280 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 24.533 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 22.26 Mbit/s
95th percentile per-packet one-way delay: 27.484 ms
Loss rate: 0.01%

Run 4: Report of Vivace-latency — Data Link

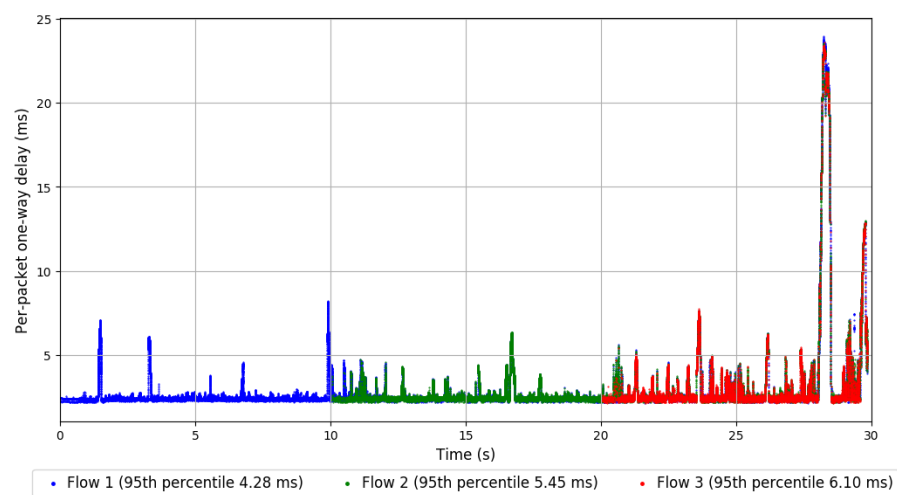
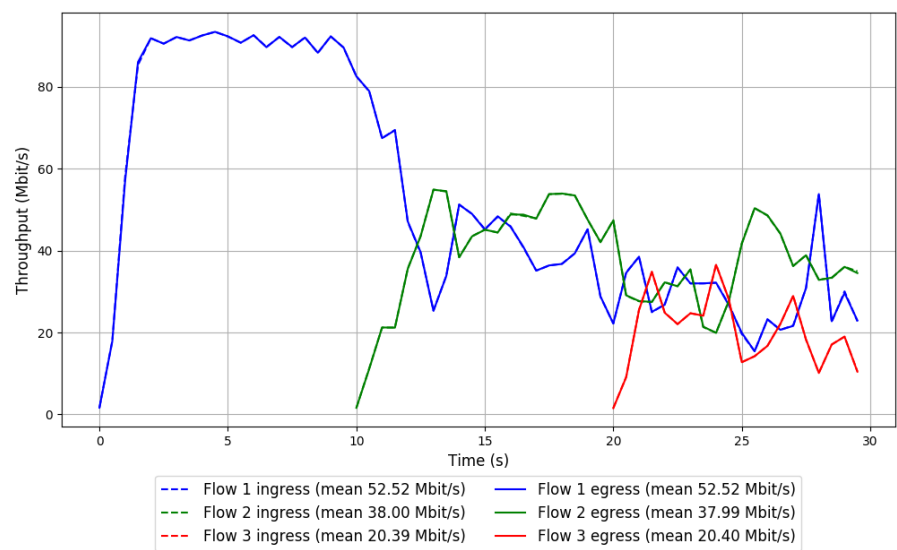


Run 5: Statistics of Vivace-latency

Start at: 2018-02-13 15:00:38
End at: 2018-02-13 15:01:08
Local clock offset: -5.612 ms
Remote clock offset: -5.199 ms

Below is generated by plot.py at 2018-02-13 20:40:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 4.842 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 4.276 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 5.445 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 6.101 ms
Loss rate: 0.04%

Run 5: Report of Vivace-latency — Data Link

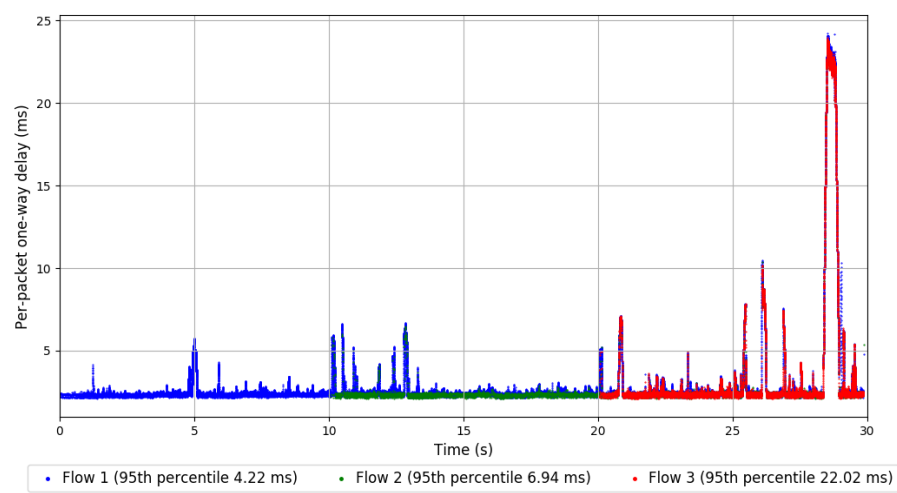
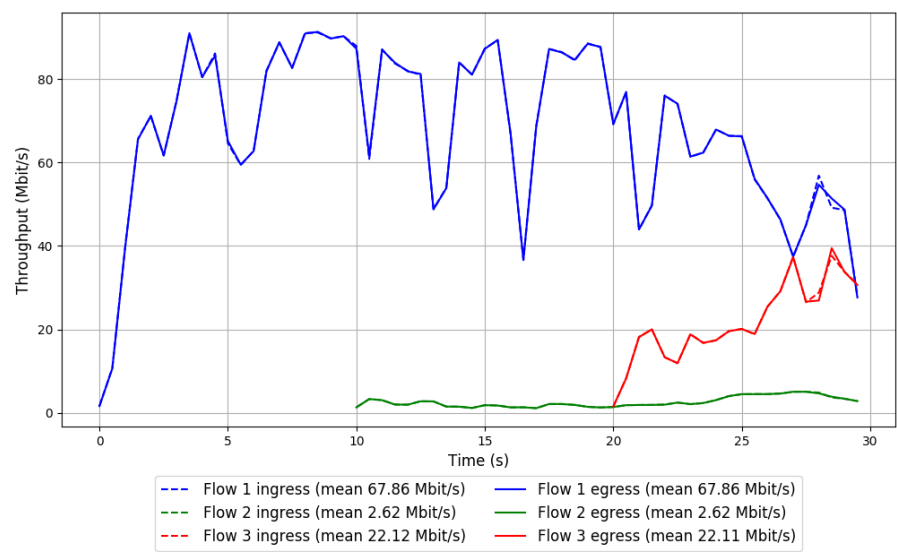


Run 6: Statistics of Vivace-latency

Start at: 2018-02-13 15:21:03
End at: 2018-02-13 15:21:33
Local clock offset: -5.654 ms
Remote clock offset: -5.235 ms

Below is generated by plot.py at 2018-02-13 20:40:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.87 Mbit/s
95th percentile per-packet one-way delay: 4.913 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.86 Mbit/s
95th percentile per-packet one-way delay: 4.224 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 6.939 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 22.018 ms
Loss rate: 0.10%

Run 6: Report of Vivace-latency — Data Link

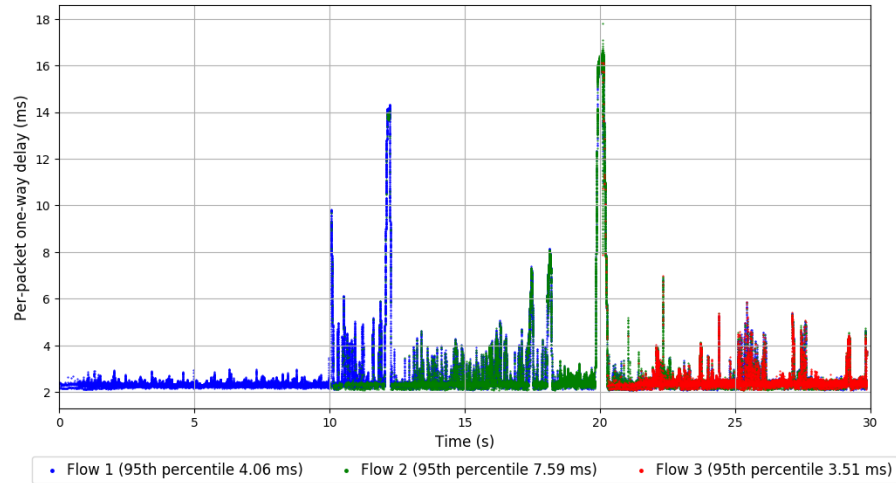
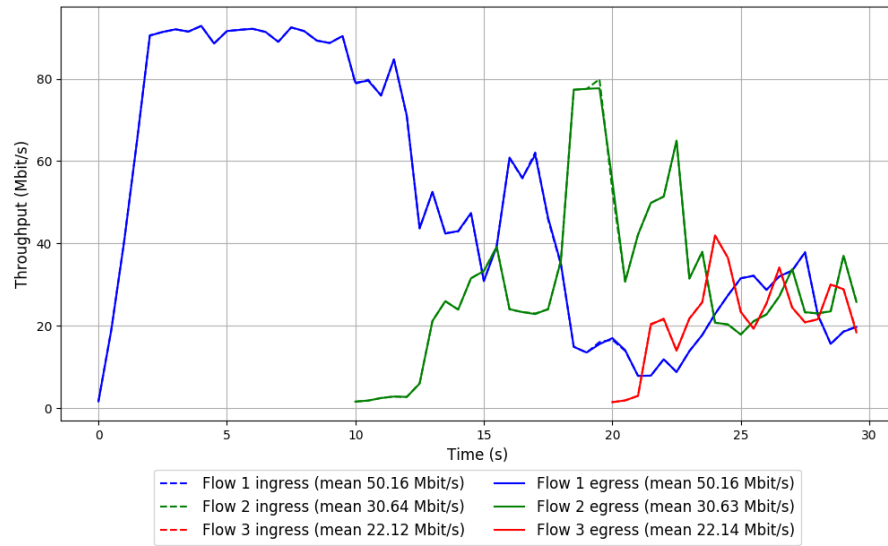


Run 7: Statistics of Vivace-latency

Start at: 2018-02-13 15:41:25
End at: 2018-02-13 15:41:55
Local clock offset: -5.606 ms
Remote clock offset: -5.482 ms

Below is generated by plot.py at 2018-02-13 20:40:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 4.351 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 4.063 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 7.589 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 3.507 ms
Loss rate: 0.10%

Run 7: Report of Vivace-latency — Data Link

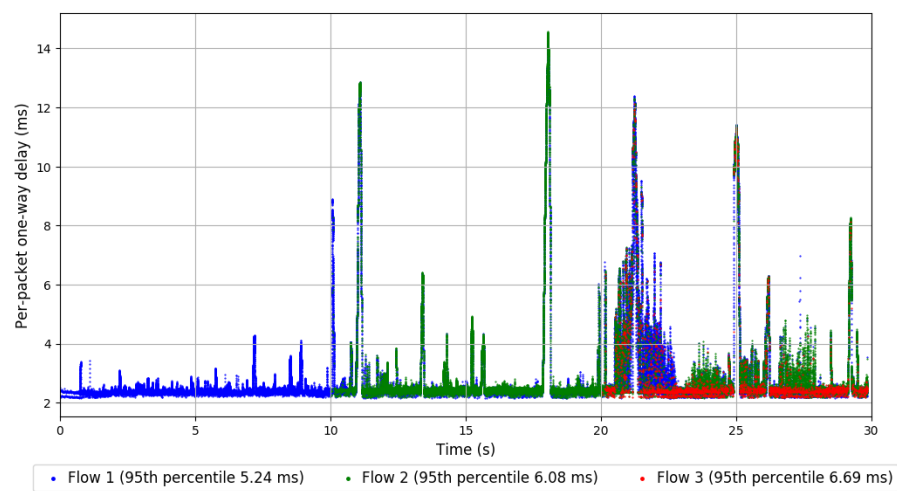
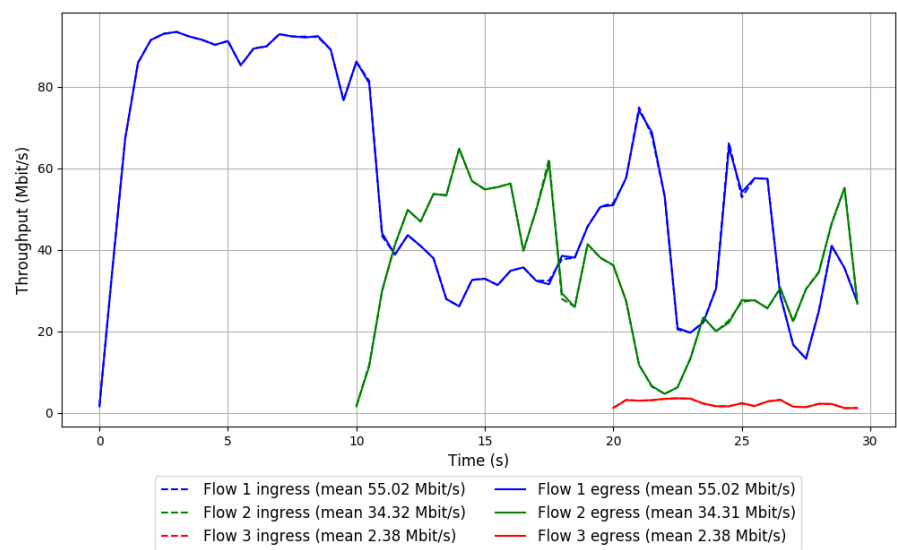


Run 8: Statistics of Vivace-latency

Start at: 2018-02-13 16:01:48
End at: 2018-02-13 16:02:18
Local clock offset: -5.565 ms
Remote clock offset: -5.514 ms

Below is generated by plot.py at 2018-02-13 20:40:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 5.525 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 5.235 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 6.083 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 6.690 ms
Loss rate: 0.05%

Run 8: Report of Vivace-latency — Data Link

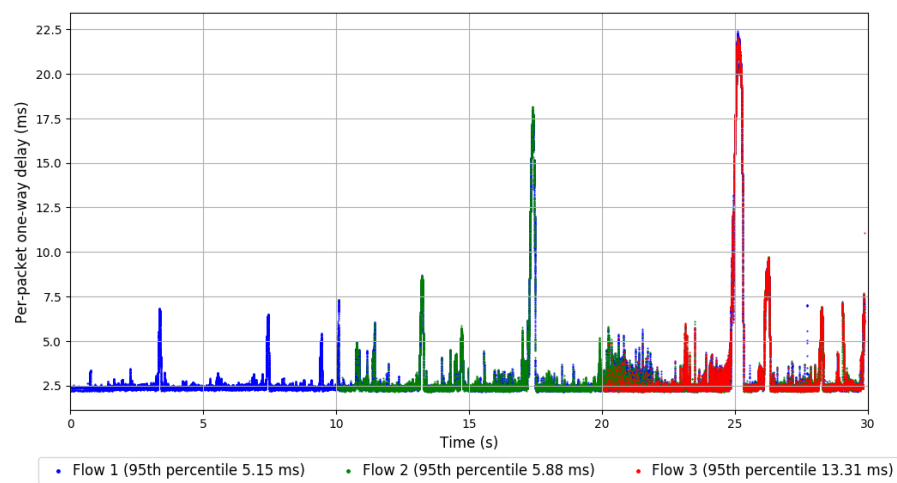
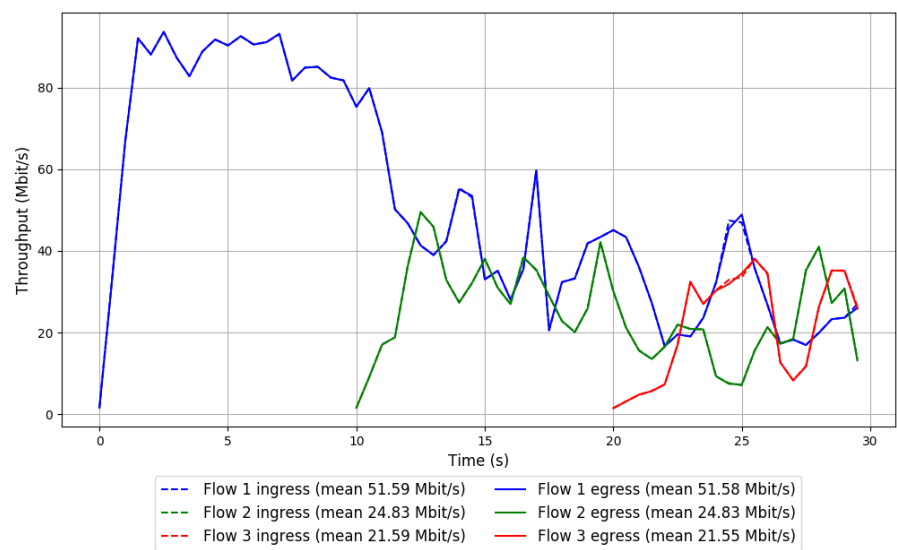


Run 9: Statistics of Vivace-latency

Start at: 2018-02-13 16:22:11
End at: 2018-02-13 16:22:41
Local clock offset: -5.606 ms
Remote clock offset: -5.21 ms

Below is generated by plot.py at 2018-02-13 20:40:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 6.080 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 5.151 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 5.876 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 13.312 ms
Loss rate: 0.21%

Run 9: Report of Vivace-latency — Data Link

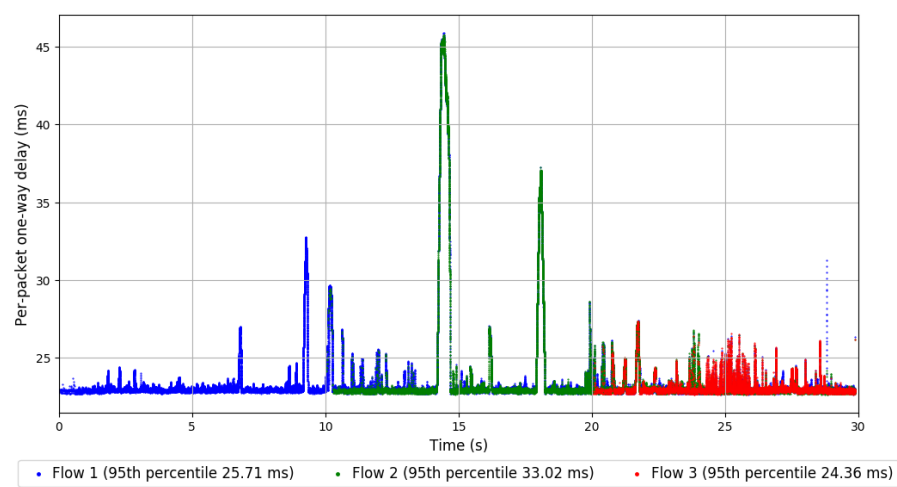
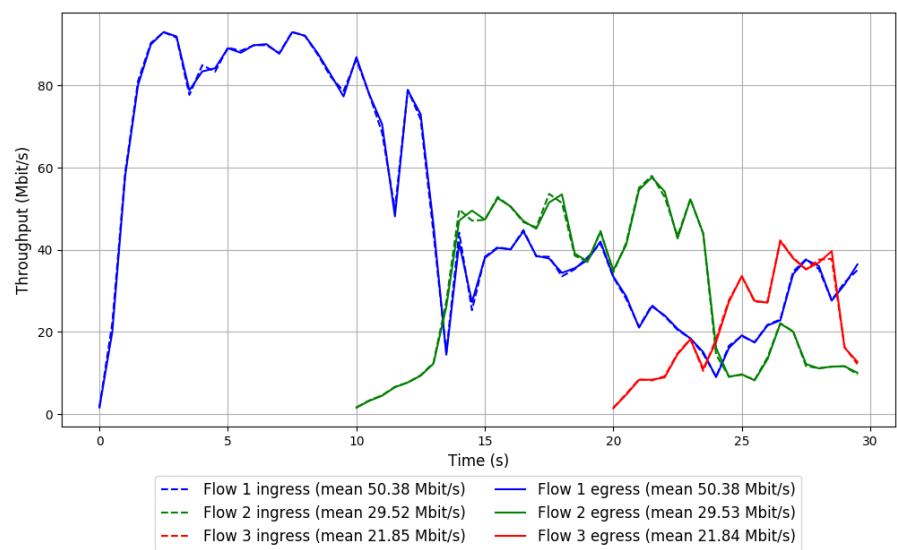


Run 10: Statistics of Vivace-latency

Start at: 2018-02-13 16:42:34
End at: 2018-02-13 16:43:04
Local clock offset: -5.606 ms
Remote clock offset: -25.792 ms

Below is generated by plot.py at 2018-02-13 20:40:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 26.352 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 25.710 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 33.020 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 24.360 ms
Loss rate: 0.05%

Run 10: Report of Vivace-latency — Data Link

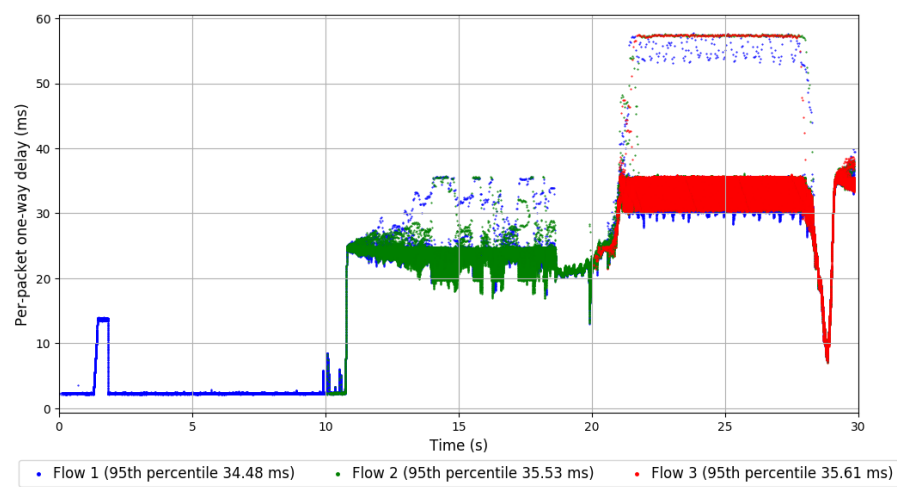
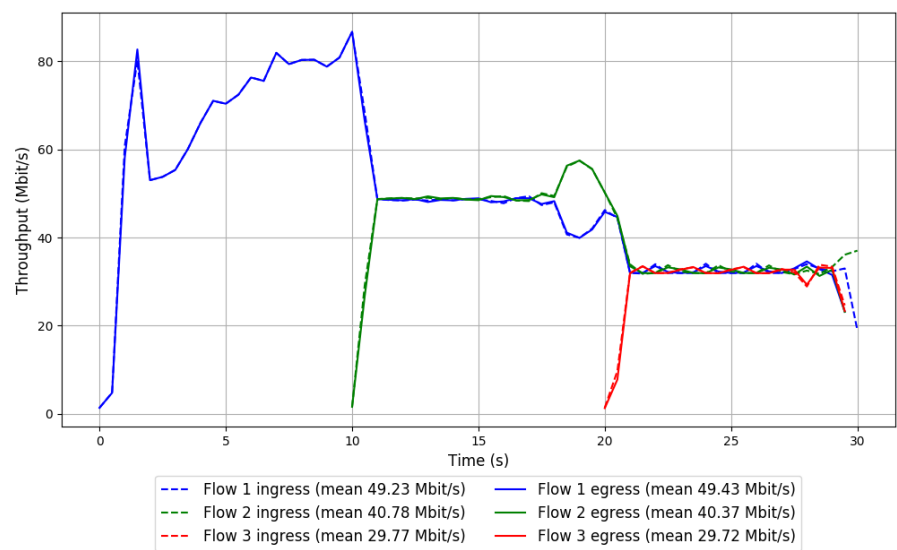


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-13 13:34:34
End at: 2018-02-13 13:35:04
Local clock offset: -4.618 ms
Remote clock offset: -5.086 ms

# Below is generated by plot.py at 2018-02-13 20:40:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.01 Mbit/s
95th percentile per-packet one-way delay: 35.478 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 34.483 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 35.531 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 29.72 Mbit/s
95th percentile per-packet one-way delay: 35.613 ms
Loss rate: 0.60%
```

Run 1: Report of Vivace-loss — Data Link

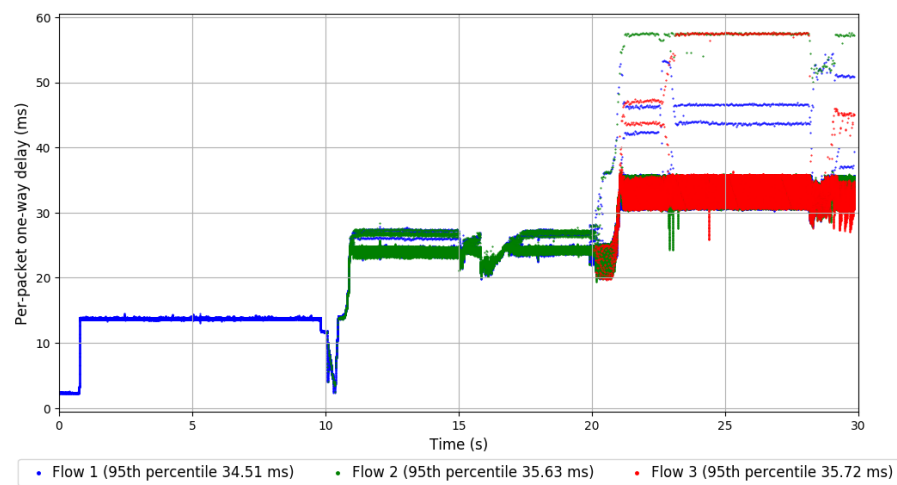
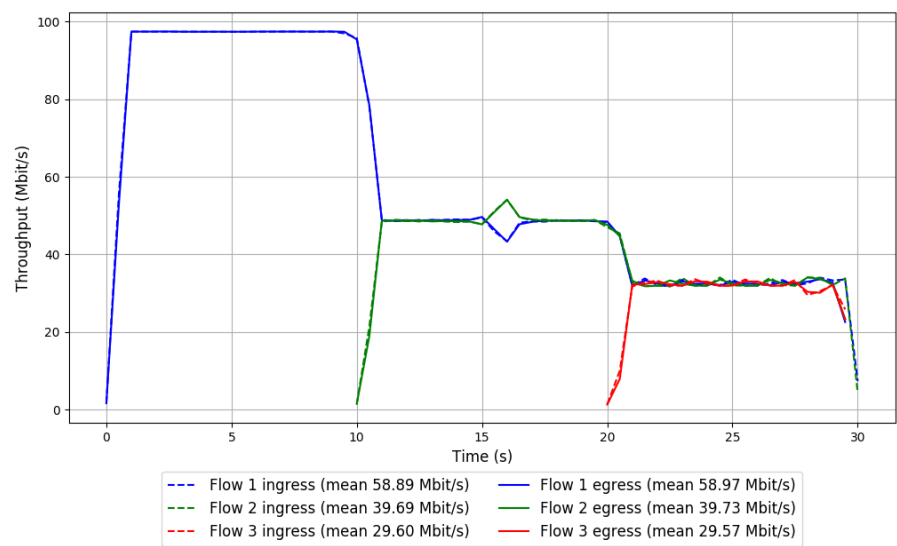


Run 2: Statistics of Vivace-loss

Start at: 2018-02-13 13:54:59
End at: 2018-02-13 13:55:29
Local clock offset: -4.683 ms
Remote clock offset: -5.449 ms

Below is generated by plot.py at 2018-02-13 20:41:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 35.575 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 34.507 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 35.630 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 35.723 ms
Loss rate: 0.81%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-13 14:15:26

End at: 2018-02-13 14:15:56

Local clock offset: -5.387 ms

Remote clock offset: -5.639 ms

Run 3: Report of Vivace-loss — Data Link

Figure is missing

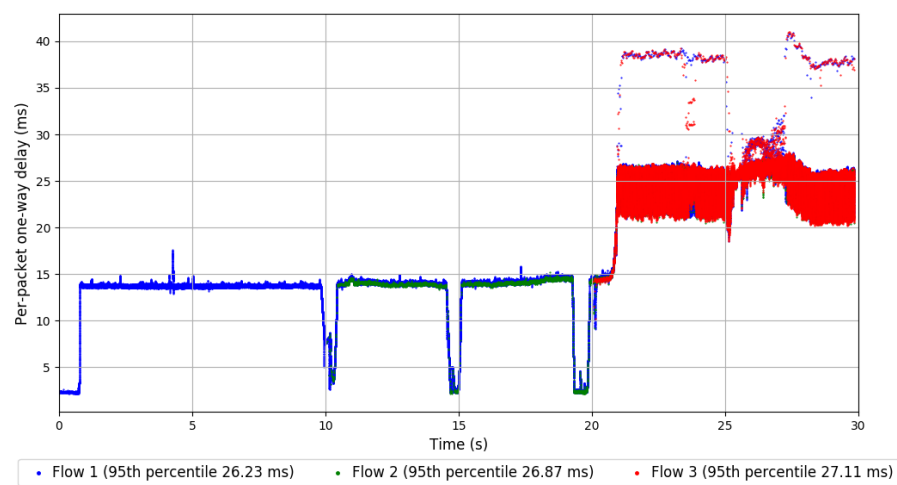
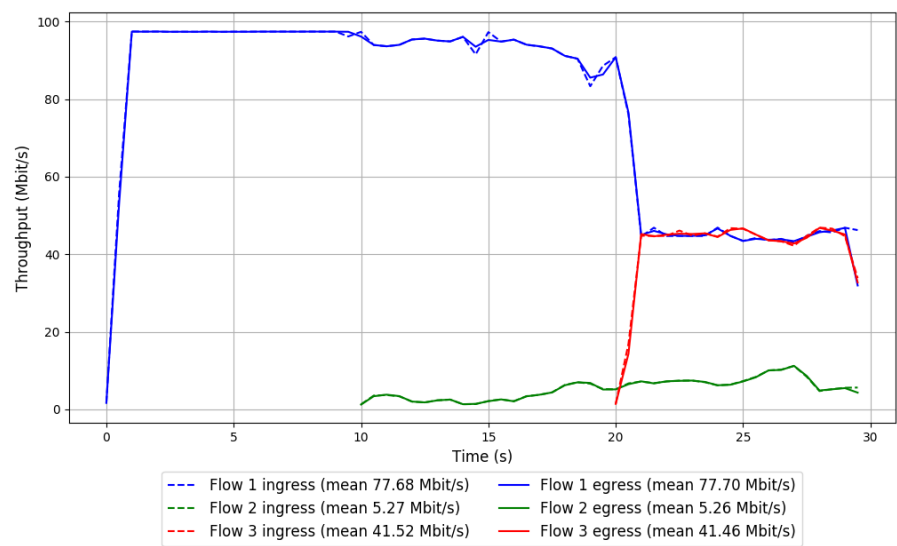
Figure is missing

Run 4: Statistics of Vivace-loss

Start at: 2018-02-13 14:35:46
End at: 2018-02-13 14:36:16
Local clock offset: -5.55 ms
Remote clock offset: -5.112 ms

Below is generated by plot.py at 2018-02-13 20:41:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 26.492 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 26.225 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 26.867 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 41.46 Mbit/s
95th percentile per-packet one-way delay: 27.114 ms
Loss rate: 0.49%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-13 14:56:11

End at: 2018-02-13 14:56:41

Local clock offset: -5.638 ms

Remote clock offset: -5.137 ms

Run 5: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Vivace-loss

Start at: 2018-02-13 15:16:35

End at: 2018-02-13 15:17:05

Local clock offset: -5.68 ms

Remote clock offset: -5.253 ms

Run 6: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Vivace-loss

Start at: 2018-02-13 15:36:58

End at: 2018-02-13 15:37:28

Local clock offset: -5.626 ms

Remote clock offset: -5.436 ms

Run 7: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Vivace-loss

Start at: 2018-02-13 15:57:20

End at: 2018-02-13 15:57:50

Local clock offset: -5.565 ms

Remote clock offset: -26.048 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Vivace-loss

Start at: 2018-02-13 16:17:44

End at: 2018-02-13 16:18:14

Local clock offset: -5.681 ms

Remote clock offset: -5.234 ms

Run 9: Report of Vivace-loss — Data Link

Figure is missing

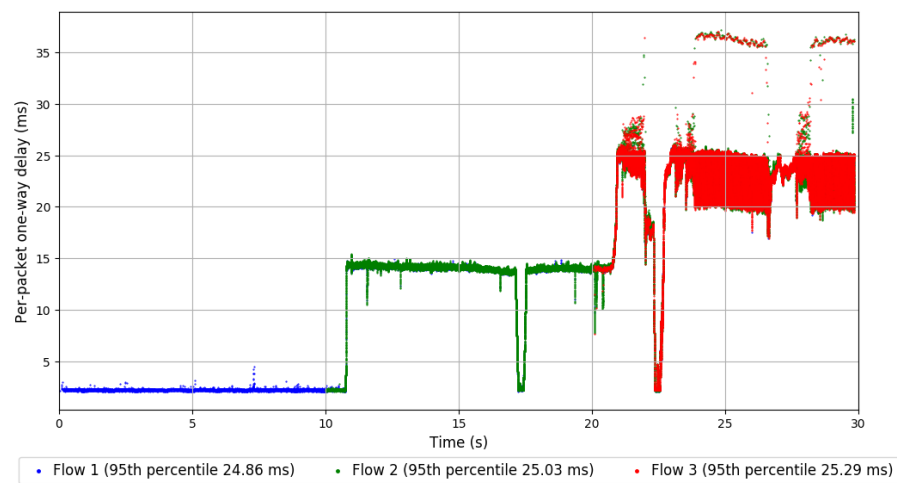
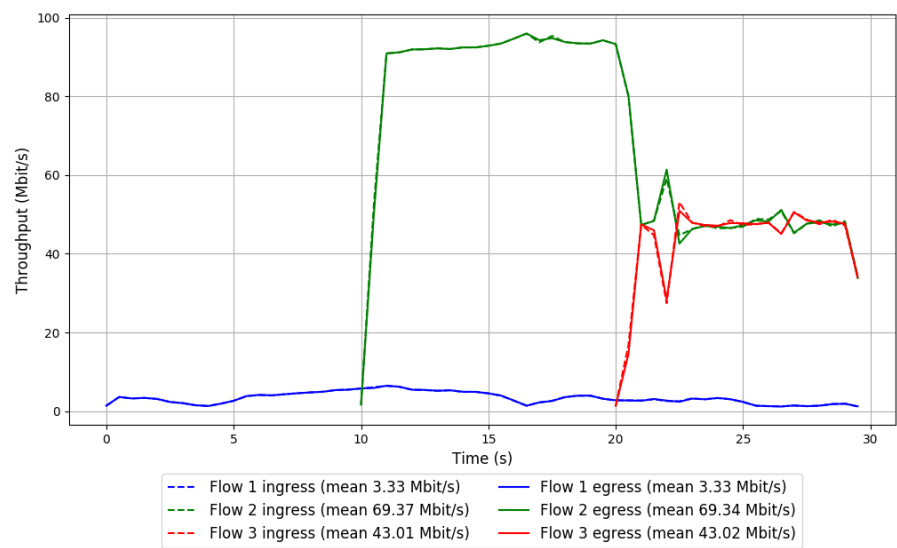
Figure is missing

Run 10: Statistics of Vivace-loss

Start at: 2018-02-13 16:38:07
End at: 2018-02-13 16:38:37
Local clock offset: -5.711 ms
Remote clock offset: -5.181 ms

Below is generated by plot.py at 2018-02-13 20:41:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 25.126 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 24.861 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 69.34 Mbit/s
95th percentile per-packet one-way delay: 25.028 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 25.290 ms
Loss rate: 0.26%

Run 10: Report of Vivace-loss — Data Link

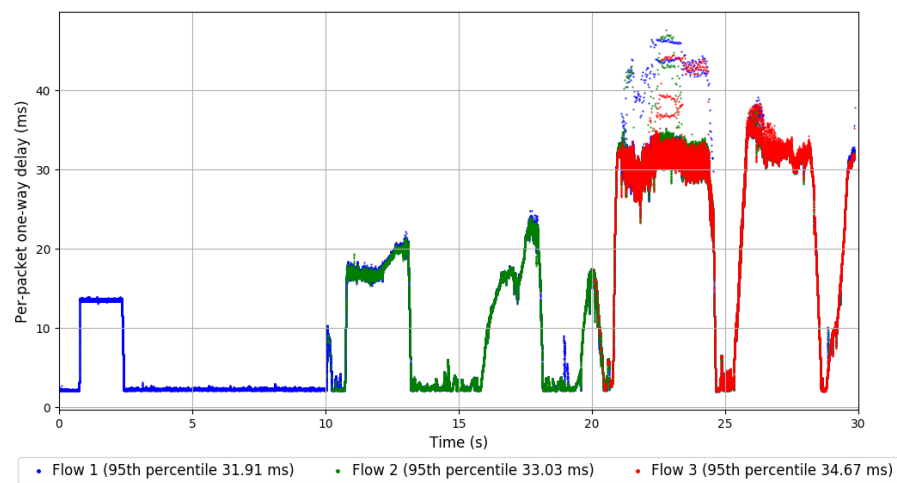
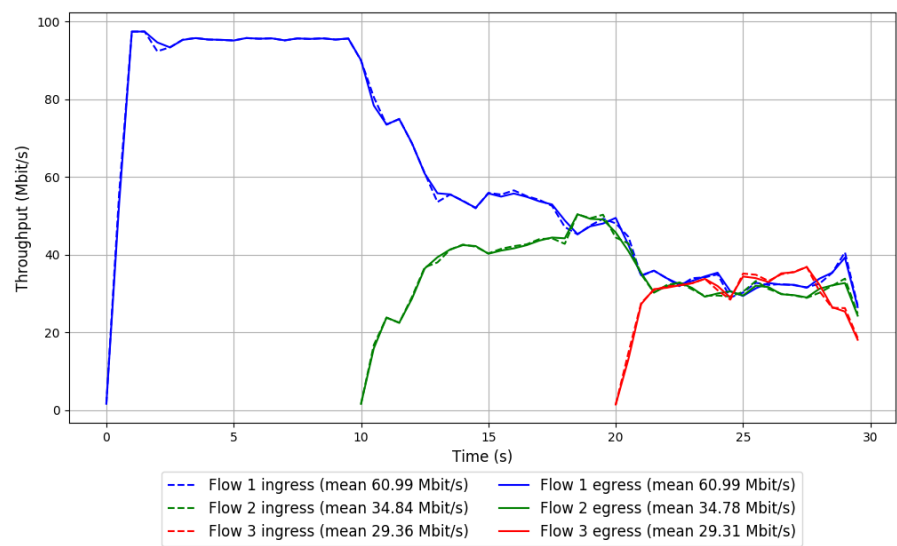


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-13 13:45:53
End at: 2018-02-13 13:46:23
Local clock offset: -4.453 ms
Remote clock offset: -5.186 ms

Below is generated by plot.py at 2018-02-13 20:41:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 32.686 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 31.905 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 33.026 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 34.670 ms
Loss rate: 0.32%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-13 14:06:19

End at: 2018-02-13 14:06:49

Local clock offset: -5.233 ms

Remote clock offset: -5.55 ms

Below is generated by plot.py at 2018-02-13 20:41:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.76 Mbit/s

95th percentile per-packet one-way delay: 34.370 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.95 Mbit/s

95th percentile per-packet one-way delay: 31.945 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 36.39 Mbit/s

95th percentile per-packet one-way delay: 34.767 ms

Loss rate: 0.12%

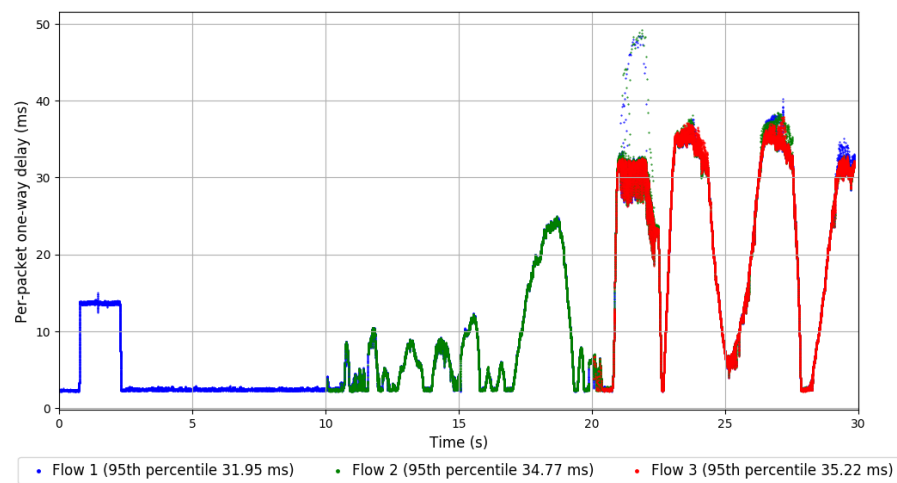
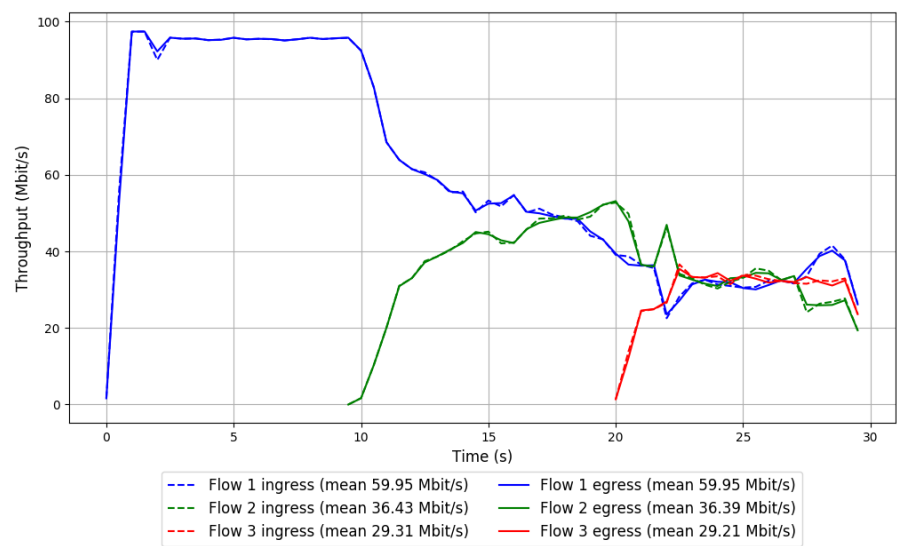
-- Flow 3:

Average throughput: 29.21 Mbit/s

95th percentile per-packet one-way delay: 35.224 ms

Loss rate: 0.46%

Run 2: Report of Vivace-LTE — Data Link

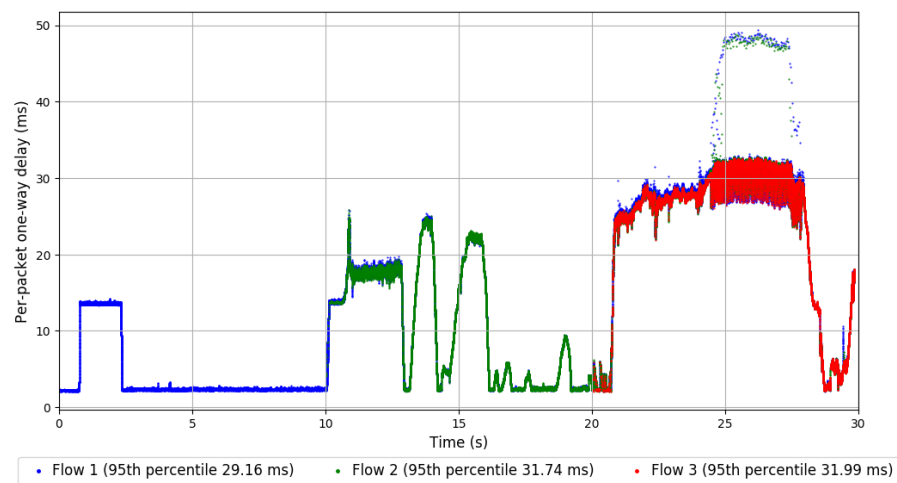
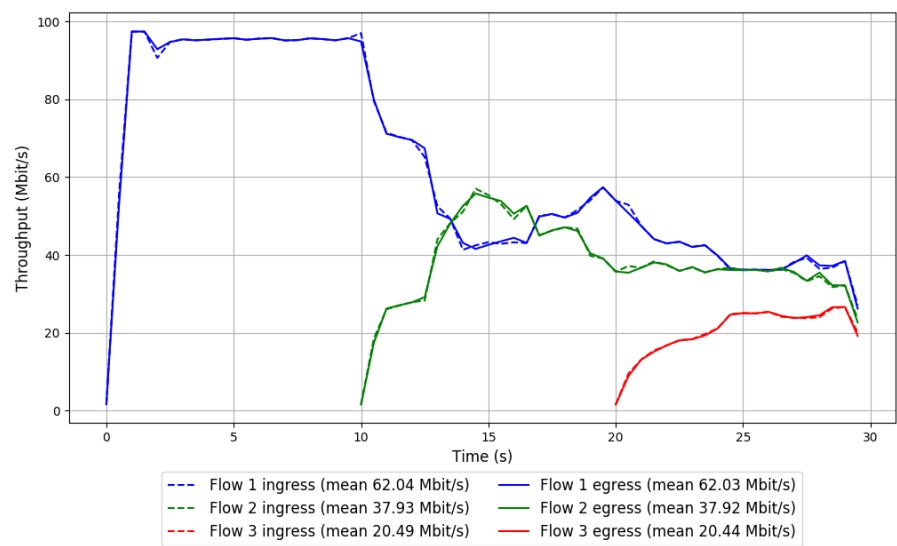


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-13 14:26:40
End at: 2018-02-13 14:27:10
Local clock offset: -5.513 ms
Remote clock offset: -5.229 ms

Below is generated by plot.py at 2018-02-13 20:41:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 31.230 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 62.03 Mbit/s
95th percentile per-packet one-way delay: 29.165 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: 31.739 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 31.987 ms
Loss rate: 0.29%

Run 3: Report of Vivace-LTE — Data Link

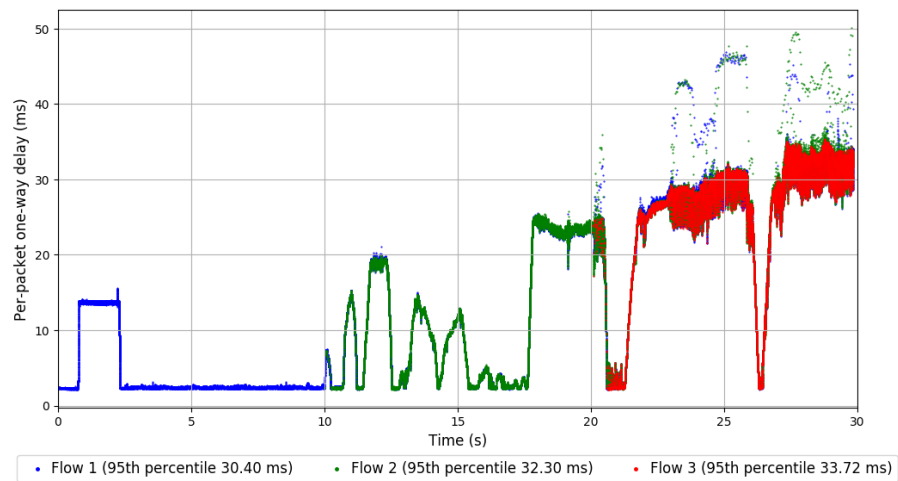
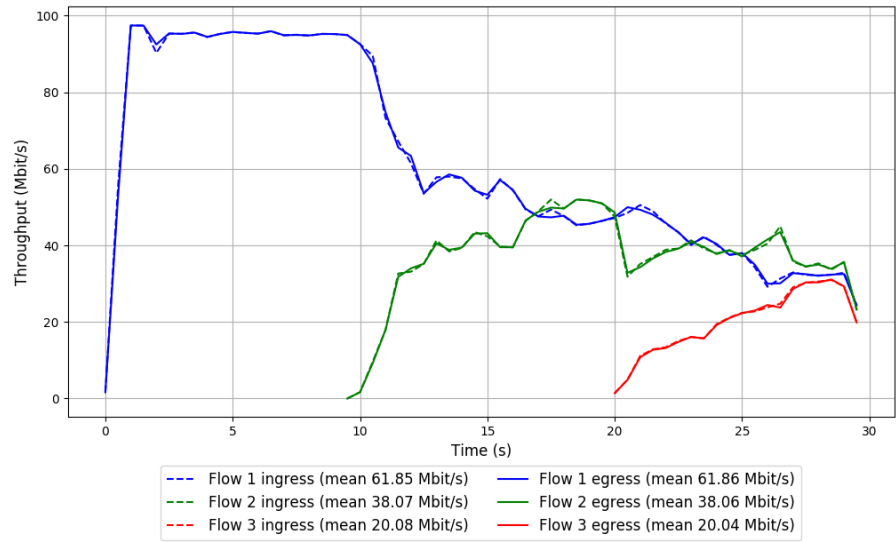


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-13 14:47:04
End at: 2018-02-13 14:47:34
Local clock offset: -5.615 ms
Remote clock offset: -4.995 ms

Below is generated by plot.py at 2018-02-13 20:41:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 31.800 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 61.86 Mbit/s
95th percentile per-packet one-way delay: 30.403 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 32.305 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 33.719 ms
Loss rate: 0.48%

Run 4: Report of Vivace-LTE — Data Link

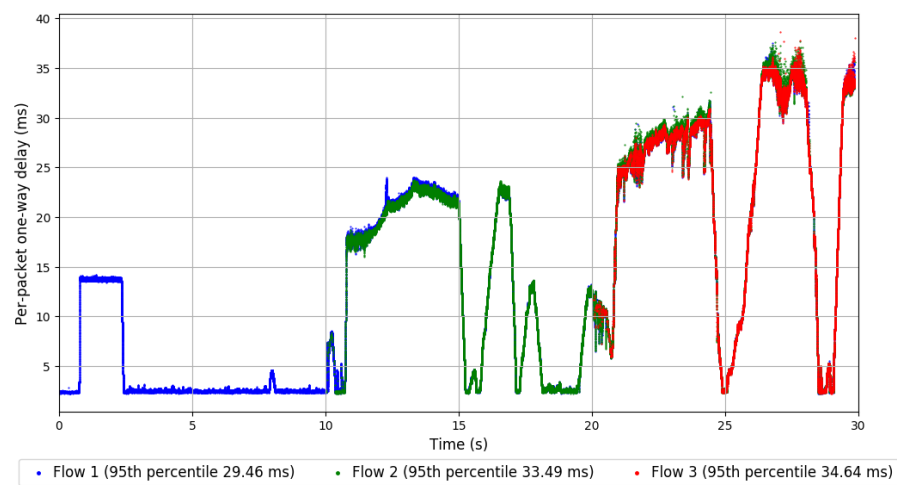
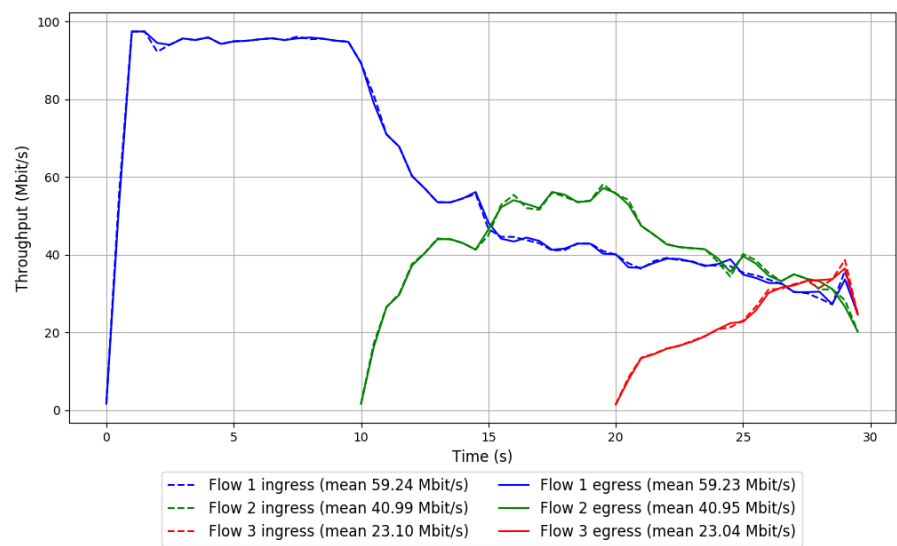


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-13 15:07:29
End at: 2018-02-13 15:07:59
Local clock offset: -5.614 ms
Remote clock offset: -5.328 ms

Below is generated by plot.py at 2018-02-13 20:41:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 33.181 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 29.456 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 33.486 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 34.640 ms
Loss rate: 0.54%

Run 5: Report of Vivace-LTE — Data Link

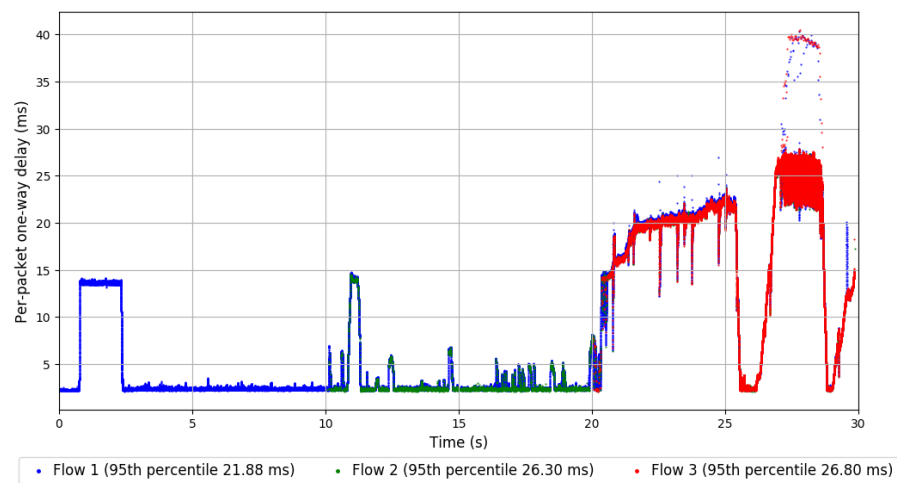
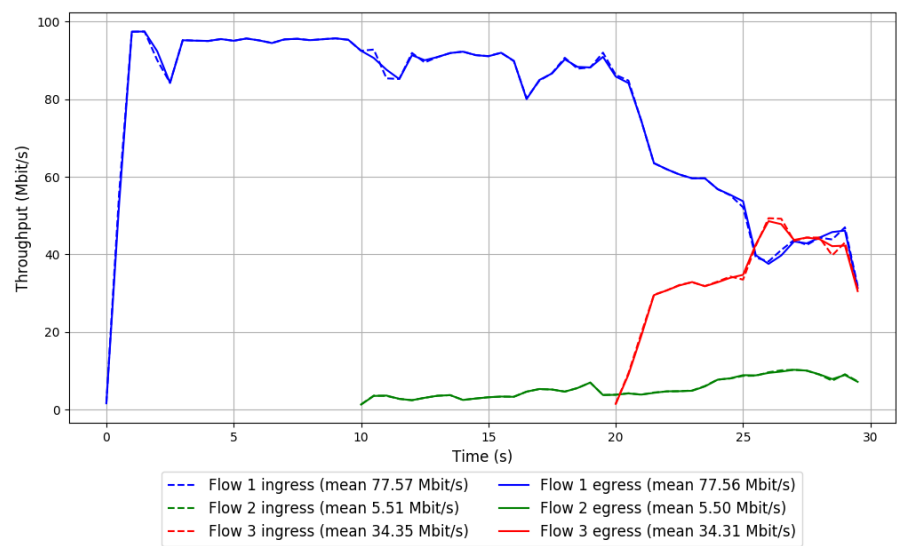


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-13 15:27:52
End at: 2018-02-13 15:28:22
Local clock offset: -5.665 ms
Remote clock offset: -5.299 ms

Below is generated by plot.py at 2018-02-13 20:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 23.705 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 21.876 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 26.305 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 26.803 ms
Loss rate: 0.21%

Run 6: Report of Vivace-LTE — Data Link

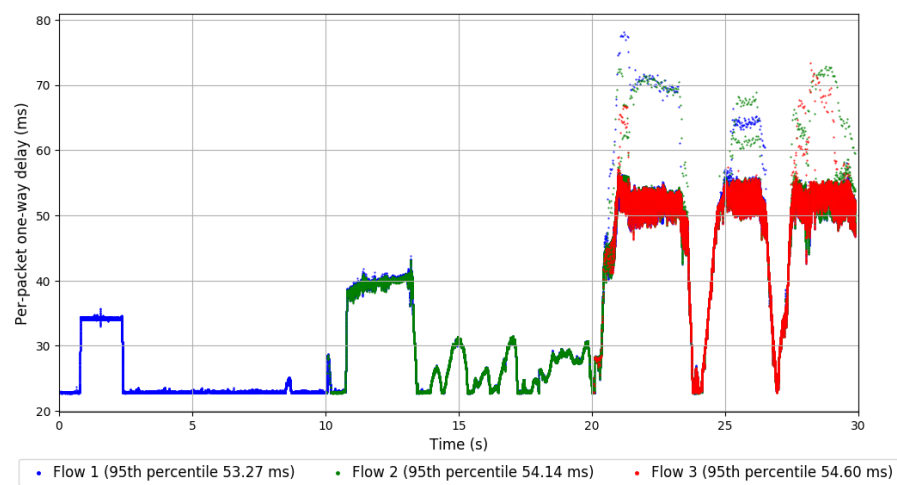
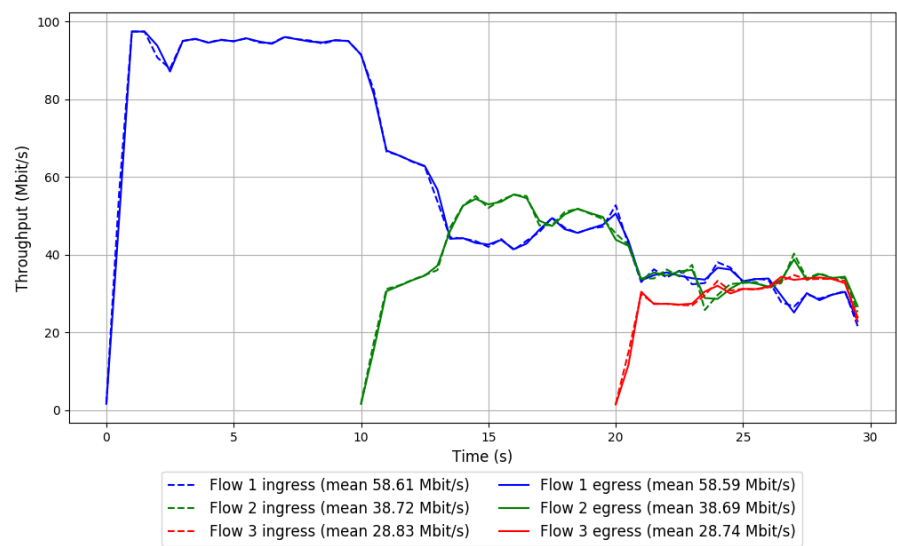


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-13 15:48:13
End at: 2018-02-13 15:48:43
Local clock offset: -5.613 ms
Remote clock offset: -26.115 ms

Below is generated by plot.py at 2018-02-13 20:42:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 53.911 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 53.266 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 54.140 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 54.599 ms
Loss rate: 0.34%

Run 7: Report of Vivace-LTE — Data Link

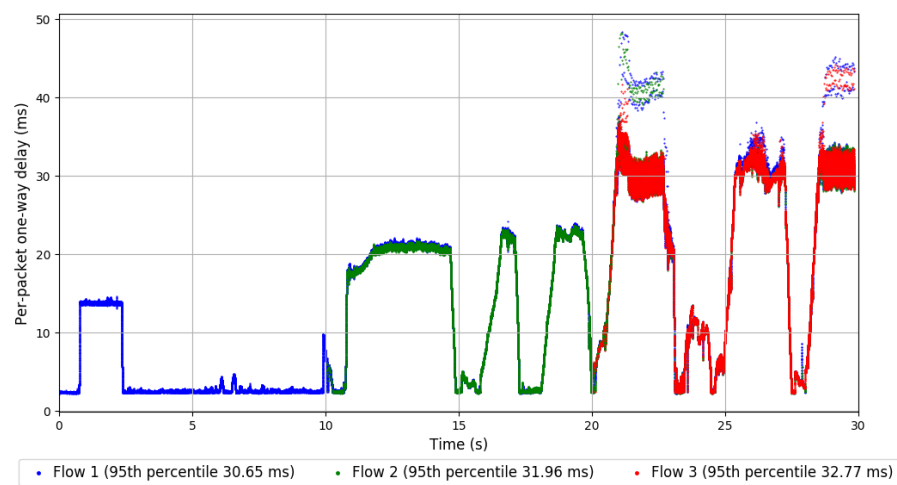
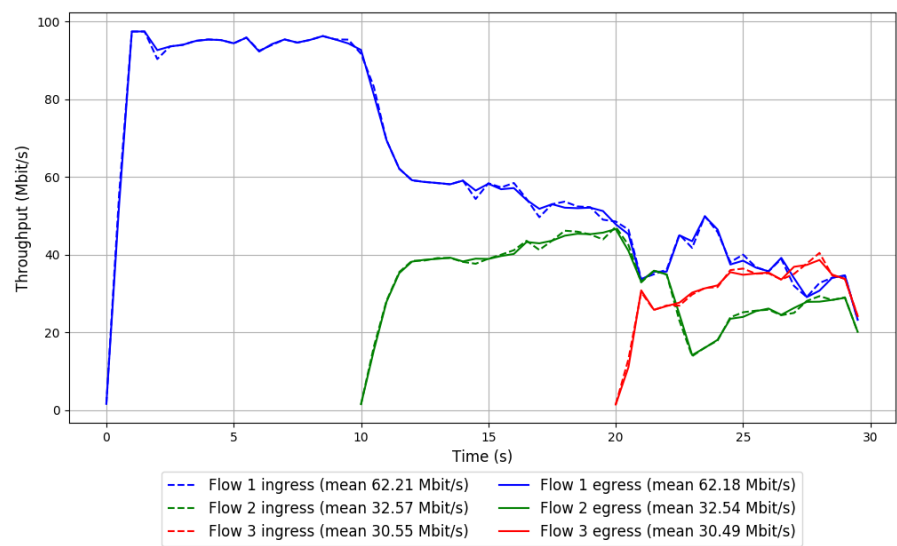


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-13 16:08:37
End at: 2018-02-13 16:09:07
Local clock offset: -5.538 ms
Remote clock offset: -5.343 ms

Below is generated by plot.py at 2018-02-13 20:42:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 31.700 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 30.649 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.49 Mbit/s
95th percentile per-packet one-way delay: 32.773 ms
Loss rate: 0.36%

Run 8: Report of Vivace-LTE — Data Link

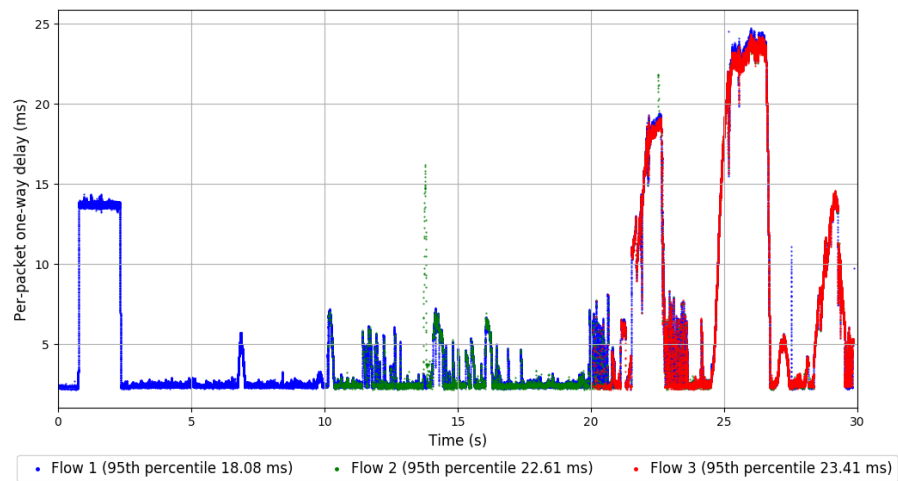
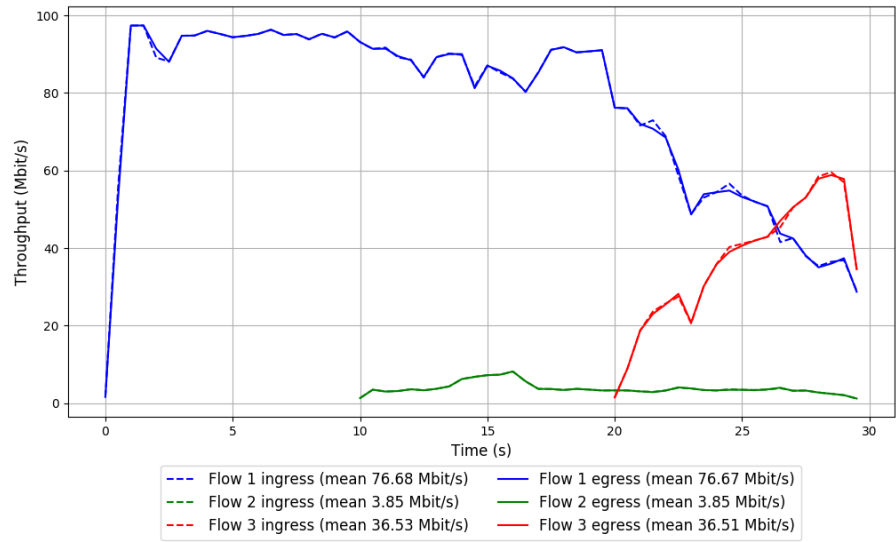


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-13 16:29:01
End at: 2018-02-13 16:29:31
Local clock offset: -5.689 ms
Remote clock offset: -5.245 ms

Below is generated by plot.py at 2018-02-13 20:42:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.24 Mbit/s
95th percentile per-packet one-way delay: 21.353 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 76.67 Mbit/s
95th percentile per-packet one-way delay: 18.082 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 22.614 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 23.414 ms
Loss rate: 0.09%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-13 16:49:21
End at: 2018-02-13 16:49:51
Local clock offset: -5.319 ms
Remote clock offset: -5.223 ms

Below is generated by plot.py at 2018-02-13 20:42:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 33.224 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 60.66 Mbit/s
95th percentile per-packet one-way delay: 32.647 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 33.833 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 25.95 Mbit/s
95th percentile per-packet one-way delay: 34.782 ms
Loss rate: 0.46%

Run 10: Report of Vivace-LTE — Data Link

