

Pantheon Report

Generated at 2018-03-27 21:31:50 (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).

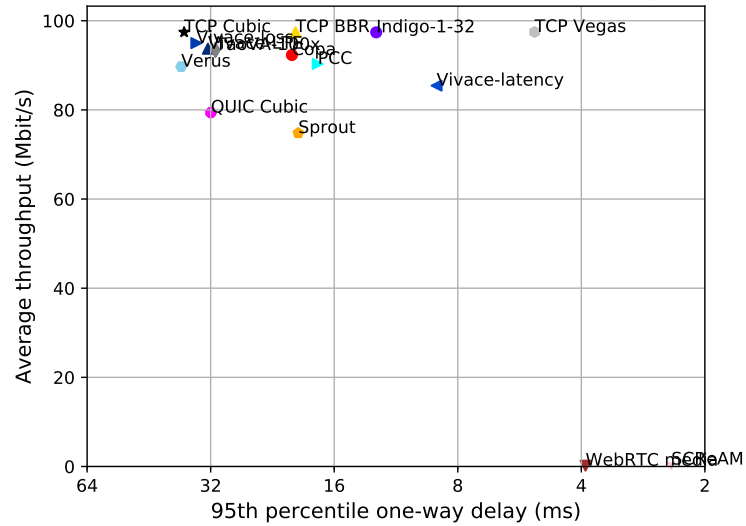
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

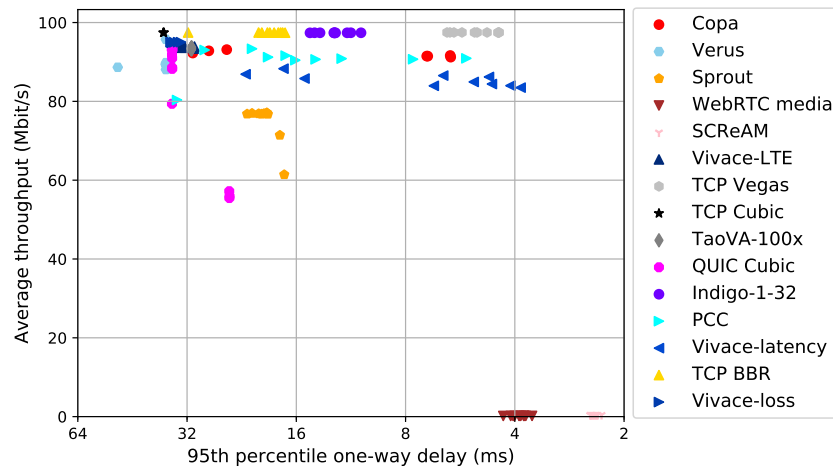
Git summary:

```
branch: master @ 503f51fe03f703a4c0a826a0792a4fead3e7d1b0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
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 @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



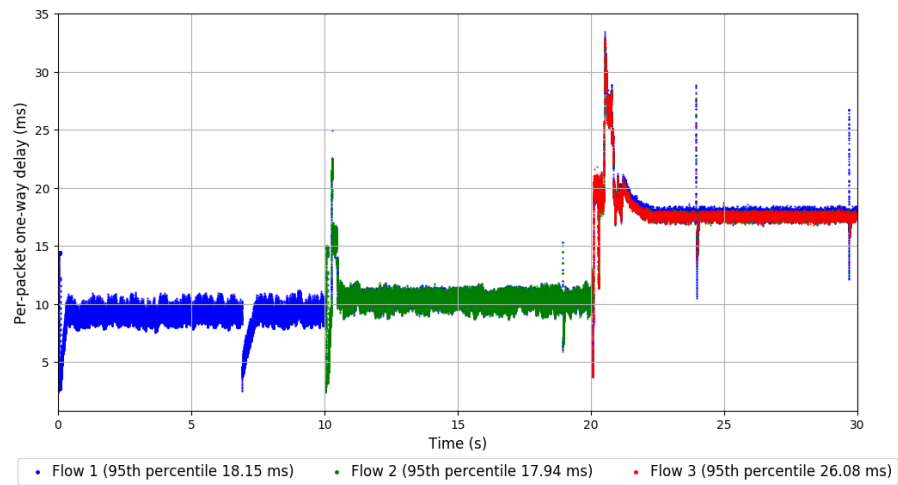
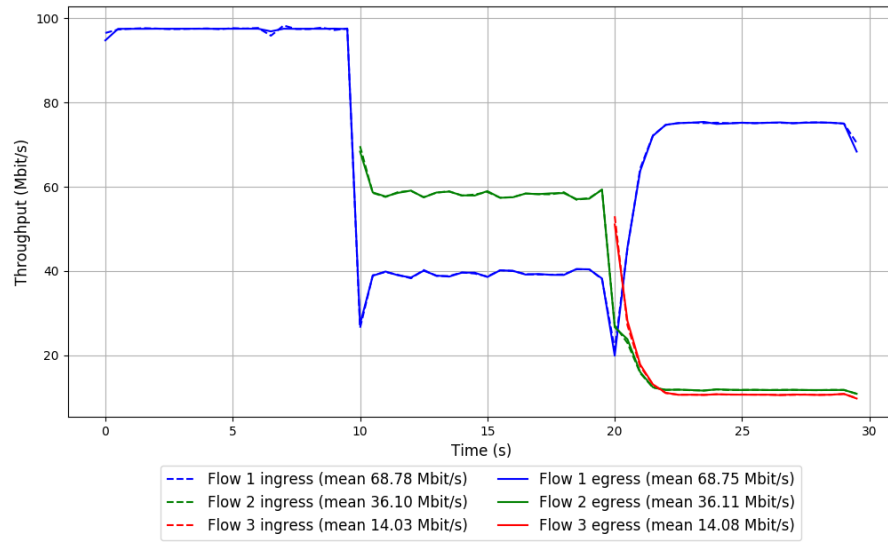
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	67.06	34.88	21.69	19.62	19.44	26.75	0.09	0.04	0.16
TCP Cubic	2	61.68	43.45	32.12	34.91	37.17	37.26	0.07	0.14	0.73
LEDBAT	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC	10	72.61	20.17	13.05	17.03	18.45	19.04	0.02	0.06	0.12
QUIC Cubic	10	37.22	46.32	35.62	24.89	31.99	32.09	0.05	0.13	0.36
SCReAM	10	0.22	0.22	0.22	2.41	2.41	2.42	0.00	0.00	0.00
WebRTC media	10	0.06	0.06	0.06	3.90	3.92	3.91	0.01	0.00	0.01
Sprout	10	40.13	37.44	29.70	18.72	19.26	21.44	0.04	0.06	0.17
TaoVA-100x	10	56.50	39.66	31.91	30.78	31.14	31.21	0.06	0.13	0.33
TCP Vegas	10	46.72	43.65	65.49	9.86	4.75	4.84	0.01	0.02	0.06
Verus	10	52.93	40.49	29.65	36.58	37.75	38.00	0.08	0.14	0.42
Copa	10	56.69	40.66	25.92	19.53	20.34	21.13	0.03	0.09	0.24
FillP	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indigo-1-32	10	46.77	43.17	67.02	10.50	12.56	13.60	0.00	0.04	0.14
Vivace-latency	10	56.05	32.53	23.65	6.58	10.70	13.69	0.01	0.02	0.08
Vivace-loss	6	60.05	41.26	28.51	32.83	35.06	35.34	0.53	1.13	0.68
Vivace-LTE	10	60.08	38.16	25.23	31.04	32.89	34.12	0.05	0.11	0.33

Run 1: Statistics of TCP BBR

Start at: 2018-03-27 14:31:53
End at: 2018-03-27 14:32:23
Local clock offset: -5.647 ms
Remote clock offset: -6.579 ms

Below is generated by plot.py at 2018-03-27 21:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 18.414 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 68.75 Mbit/s
95th percentile per-packet one-way delay: 18.152 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 17.942 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 26.082 ms
Loss rate: 0.16%

Run 1: Report of TCP BBR — Data Link

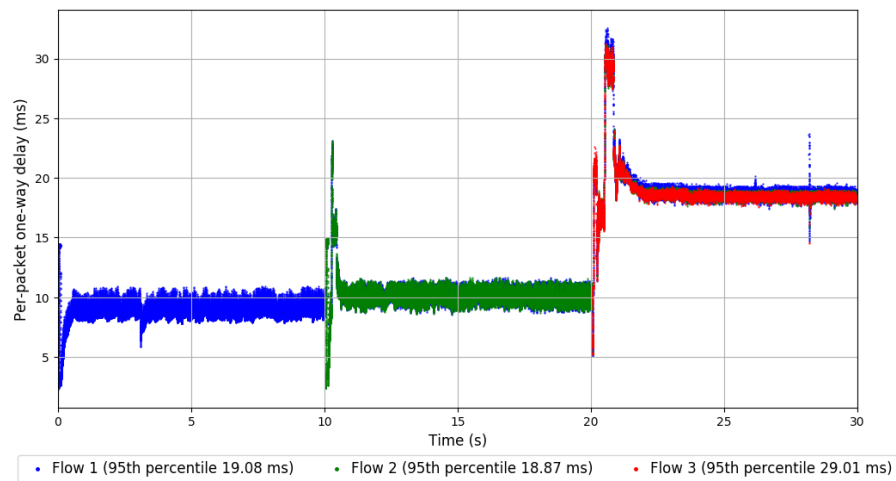
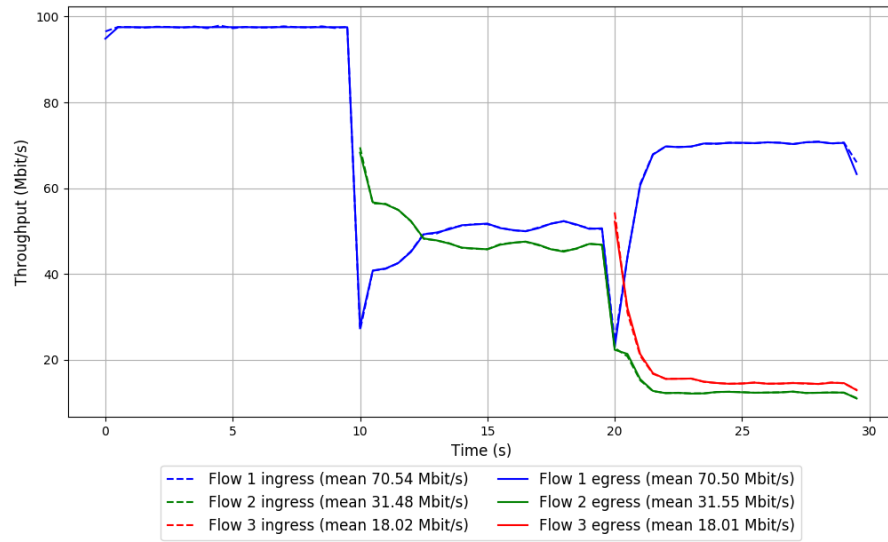


Run 2: Statistics of TCP BBR

Start at: 2018-03-27 14:52:18
End at: 2018-03-27 14:52:48
Local clock offset: -5.74 ms
Remote clock offset: -6.531 ms

Below is generated by plot.py at 2018-03-27 21:10:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 19.217 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 70.50 Mbit/s
95th percentile per-packet one-way delay: 19.082 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 18.873 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 18.01 Mbit/s
95th percentile per-packet one-way delay: 29.011 ms
Loss rate: 0.17%

Run 2: Report of TCP BBR — Data Link

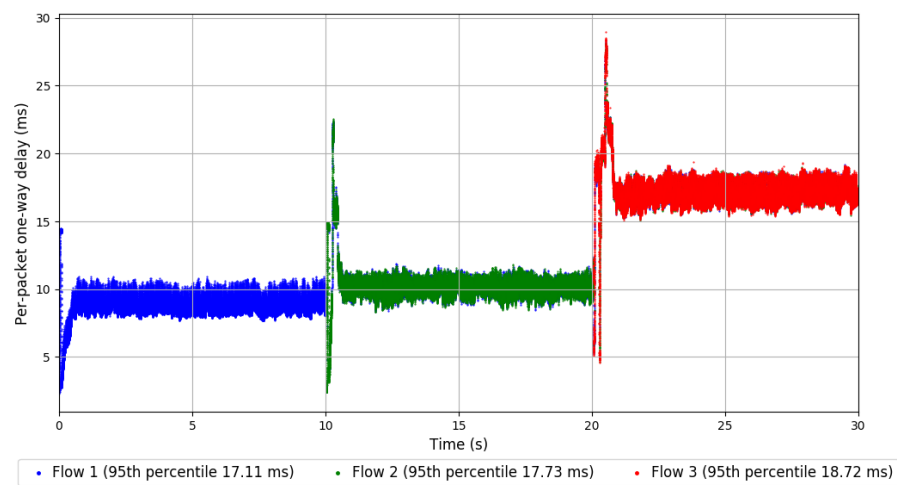
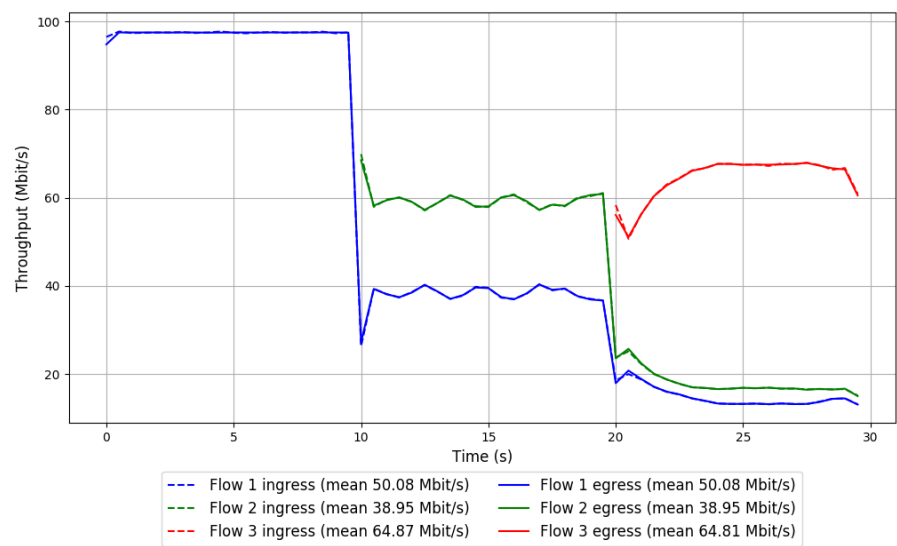


Run 3: Statistics of TCP BBR

Start at: 2018-03-27 15:12:45
End at: 2018-03-27 15:13:15
Local clock offset: -6.74 ms
Remote clock offset: -6.471 ms

Below is generated by plot.py at 2018-03-27 21:10:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 17.932 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 17.108 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 17.726 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 64.81 Mbit/s
95th percentile per-packet one-way delay: 18.724 ms
Loss rate: 0.21%

Run 3: Report of TCP BBR — Data Link

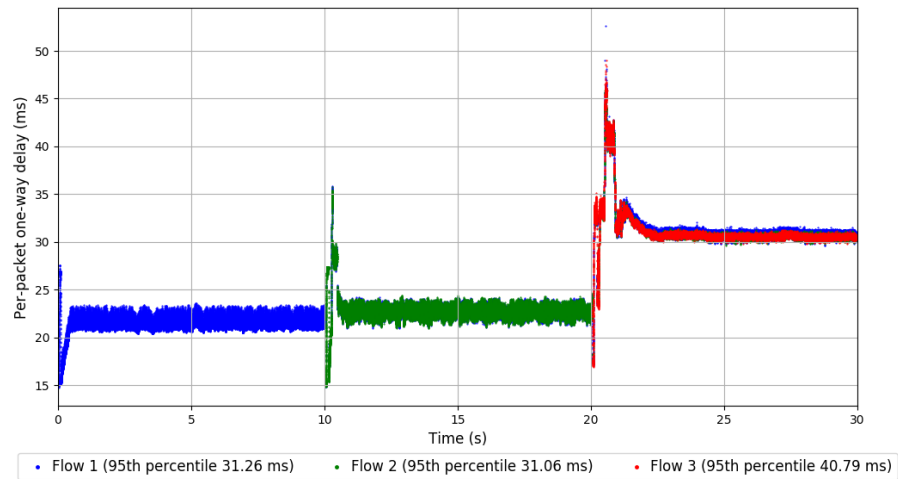
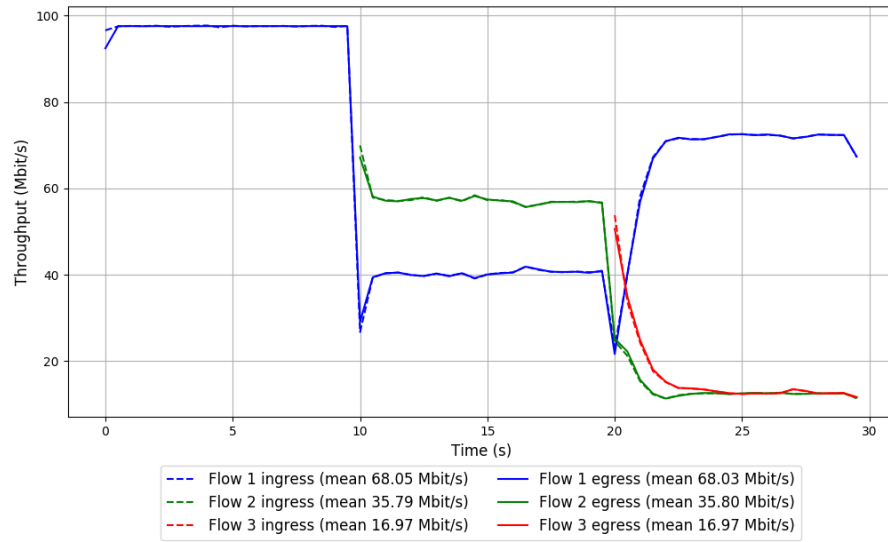


Run 4: Statistics of TCP BBR

Start at: 2018-03-27 15:33:13
End at: 2018-03-27 15:33:43
Local clock offset: -7.232 ms
Remote clock offset: -19.233 ms

Below is generated by plot.py at 2018-03-27 21:10:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 31.788 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 31.257 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 31.057 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 40.790 ms
Loss rate: 0.16%

Run 4: Report of TCP BBR — Data Link

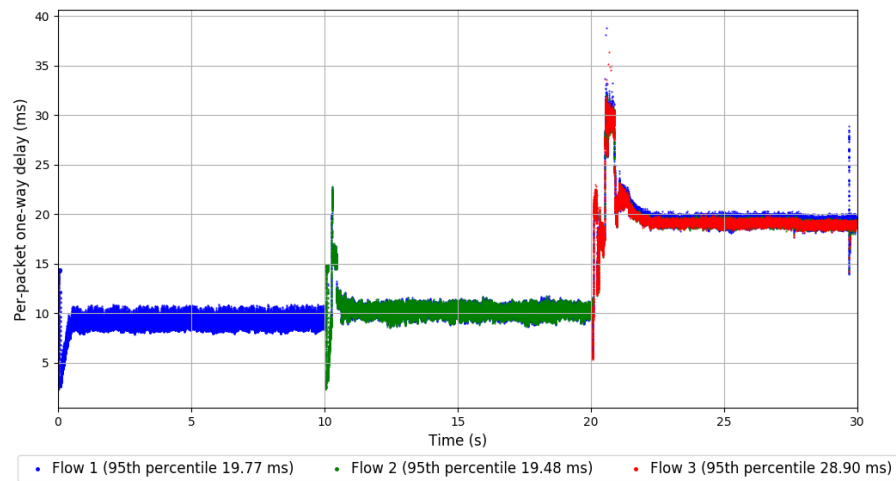
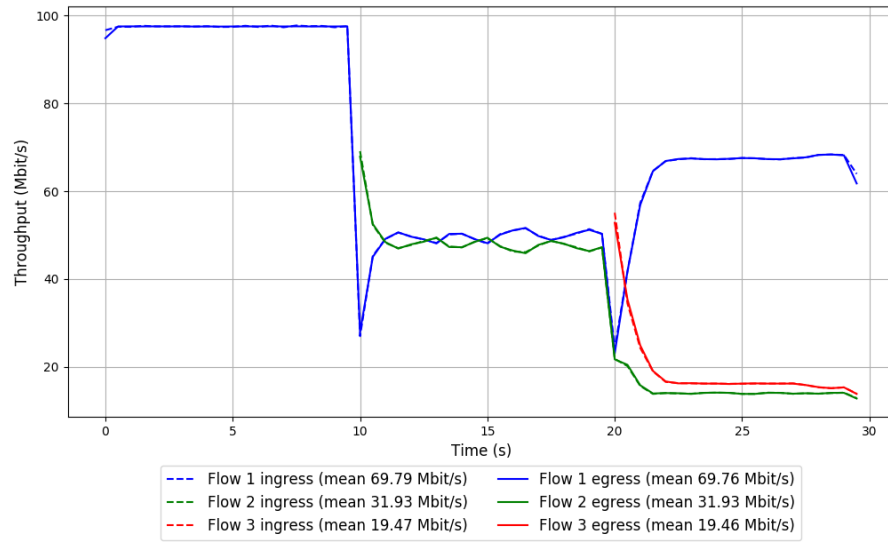


Run 5: Statistics of TCP BBR

Start at: 2018-03-27 15:53:38
End at: 2018-03-27 15:54:08
Local clock offset: -6.723 ms
Remote clock offset: -7.224 ms

Below is generated by plot.py at 2018-03-27 21:10:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 19.914 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 19.768 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 19.483 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 19.46 Mbit/s
95th percentile per-packet one-way delay: 28.903 ms
Loss rate: 0.16%

Run 5: Report of TCP BBR — Data Link

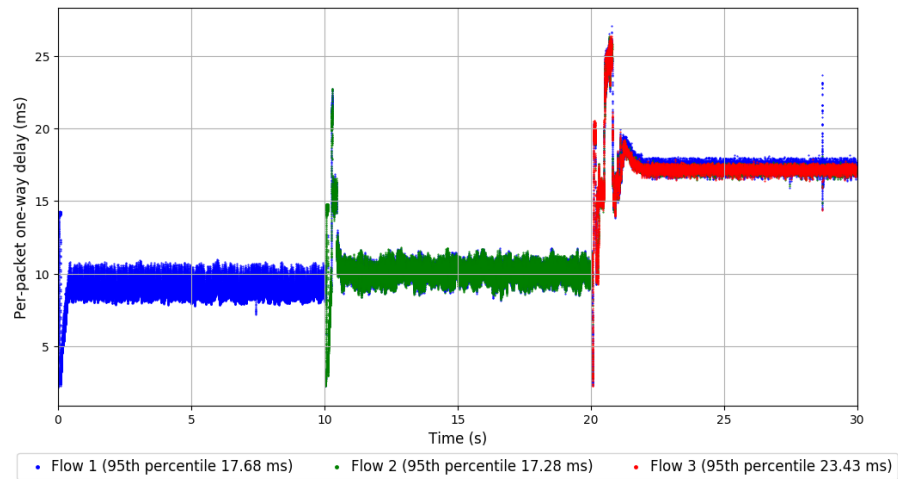
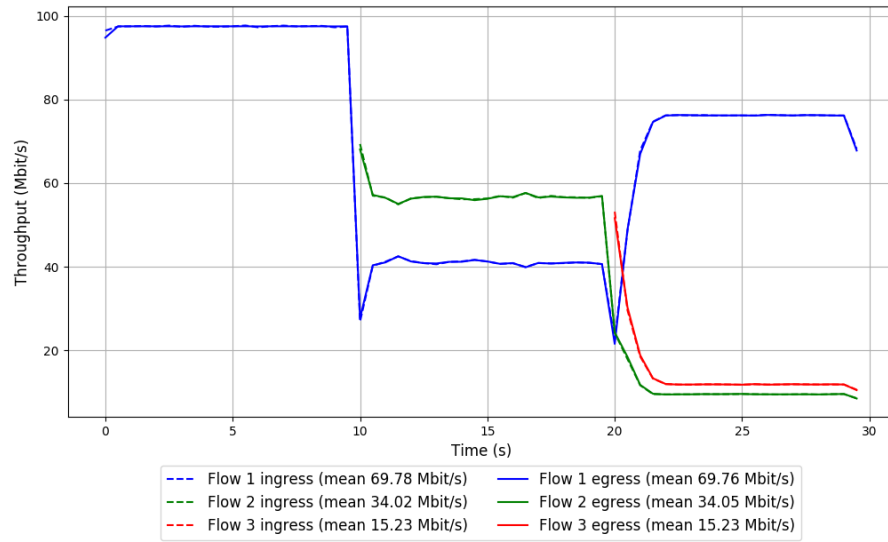


Run 6: Statistics of TCP BBR

Start at: 2018-03-27 16:14:03
End at: 2018-03-27 16:14:33
Local clock offset: -6.263 ms
Remote clock offset: -7.619 ms

Below is generated by plot.py at 2018-03-27 21:10:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 17.676 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 17.683 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 17.282 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 23.429 ms
Loss rate: 0.16%

Run 6: Report of TCP BBR — Data Link

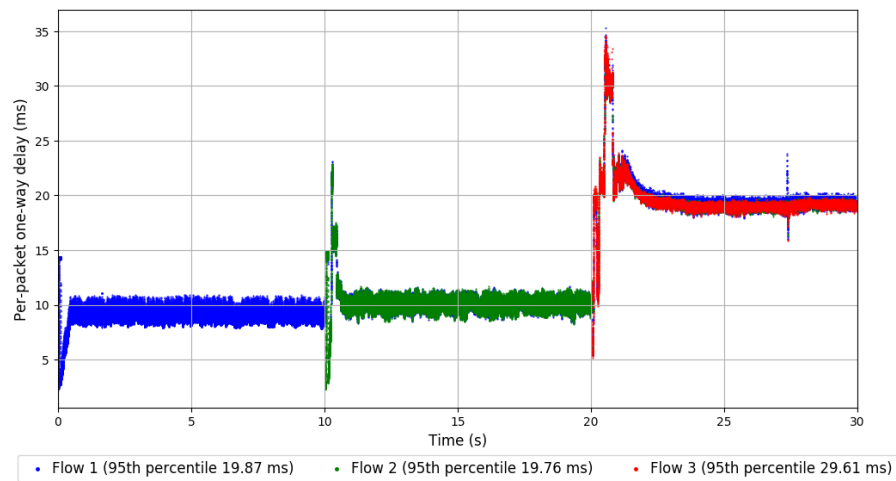
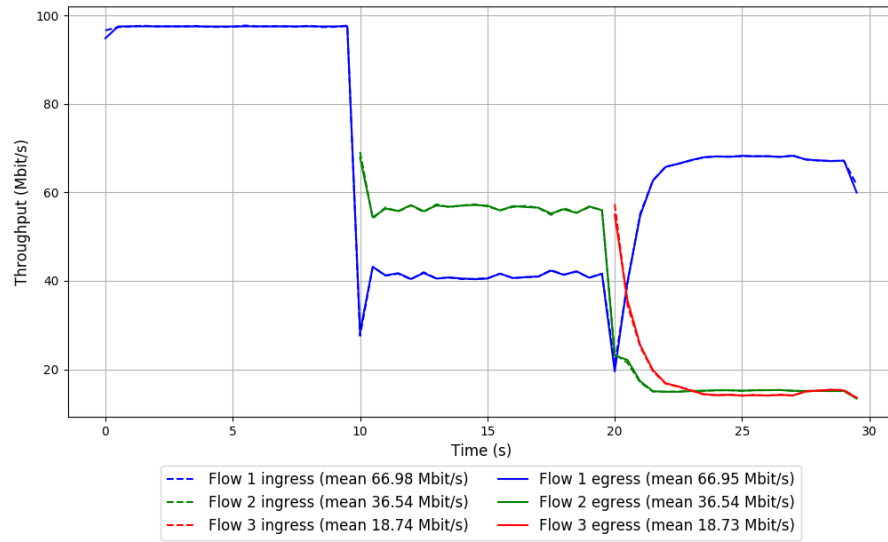


Run 7: Statistics of TCP BBR

Start at: 2018-03-27 16:34:28
End at: 2018-03-27 16:34:58
Local clock offset: -5.71 ms
Remote clock offset: -7.903 ms

Below is generated by plot.py at 2018-03-27 21:10:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 20.328 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 19.873 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 19.757 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 29.610 ms
Loss rate: 0.18%

Run 7: Report of TCP BBR — Data Link

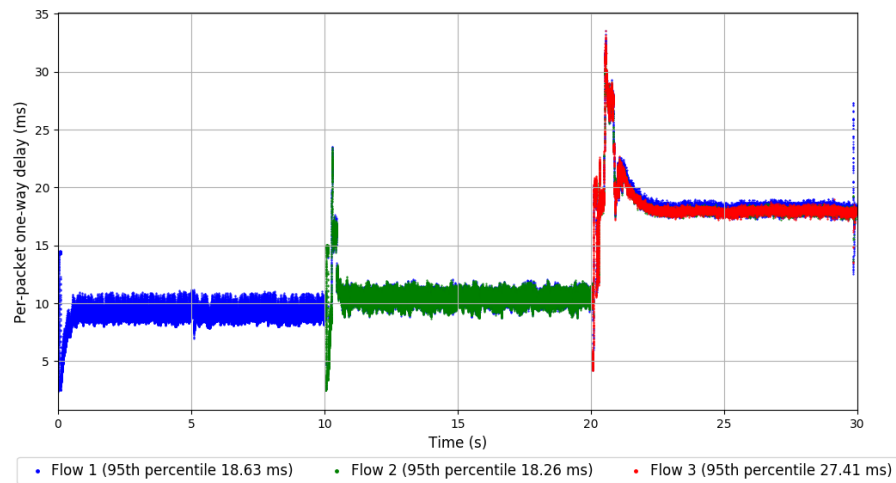
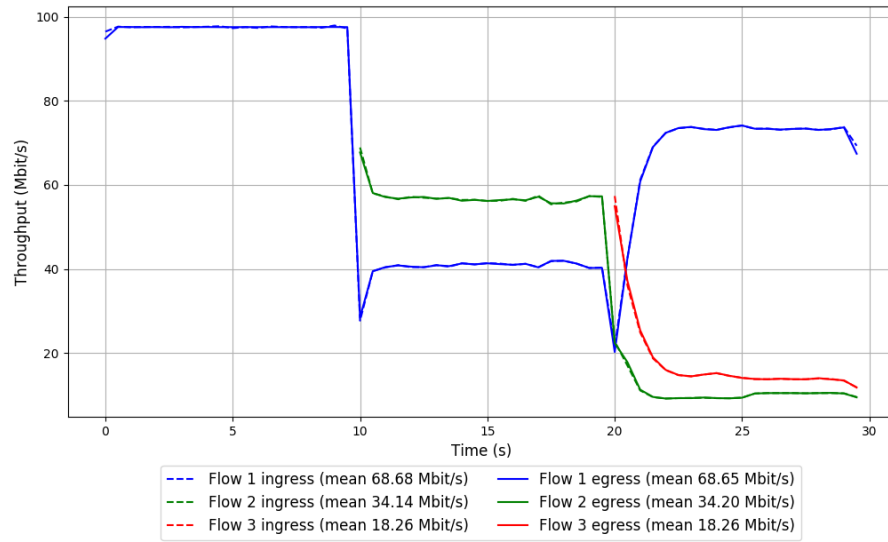


Run 8: Statistics of TCP BBR

Start at: 2018-03-27 16:54:54
End at: 2018-03-27 16:55:24
Local clock offset: -5.709 ms
Remote clock offset: -7.854 ms

Below is generated by plot.py at 2018-03-27 21:10:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 18.931 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 68.65 Mbit/s
95th percentile per-packet one-way delay: 18.633 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 18.258 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 18.26 Mbit/s
95th percentile per-packet one-way delay: 27.415 ms
Loss rate: 0.14%

Run 8: Report of TCP BBR — Data Link

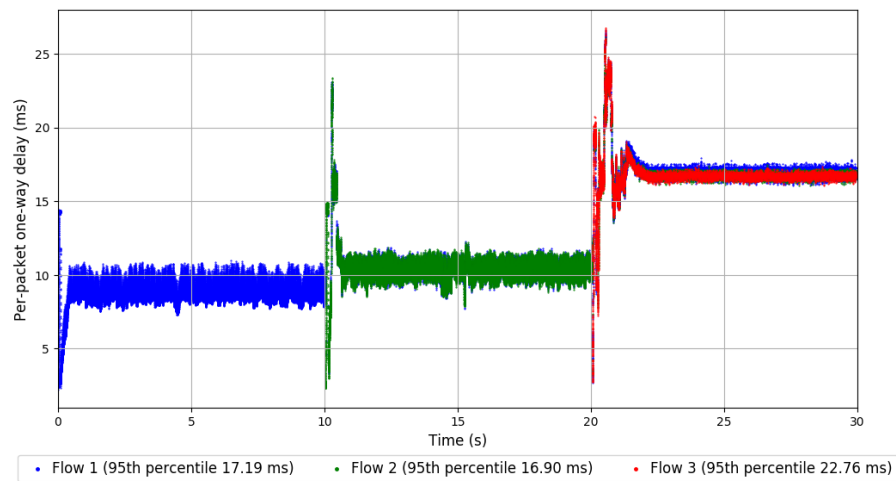
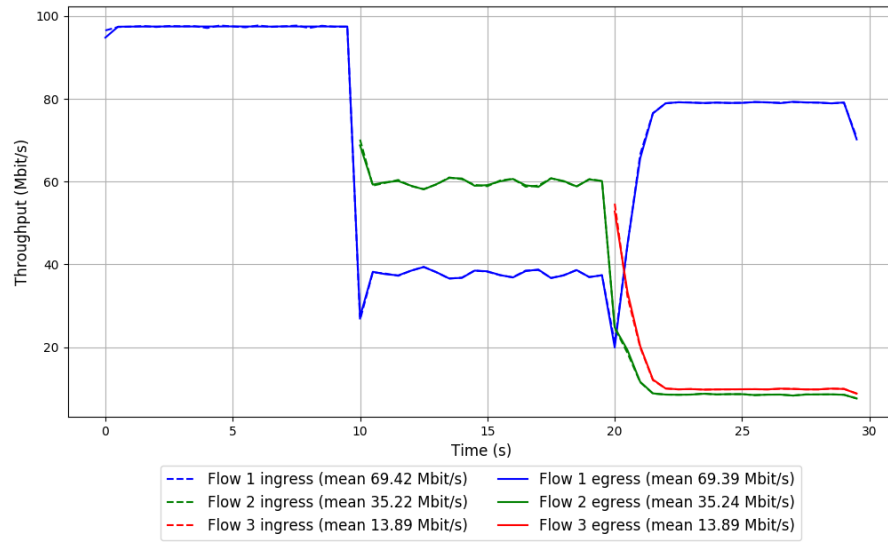


Run 9: Statistics of TCP BBR

Start at: 2018-03-27 17:15:22
End at: 2018-03-27 17:15:52
Local clock offset: -5.707 ms
Remote clock offset: -6.465 ms

Below is generated by plot.py at 2018-03-27 21:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 17.182 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 69.39 Mbit/s
95th percentile per-packet one-way delay: 17.191 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 16.896 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 22.757 ms
Loss rate: 0.14%

Run 9: Report of TCP BBR — Data Link

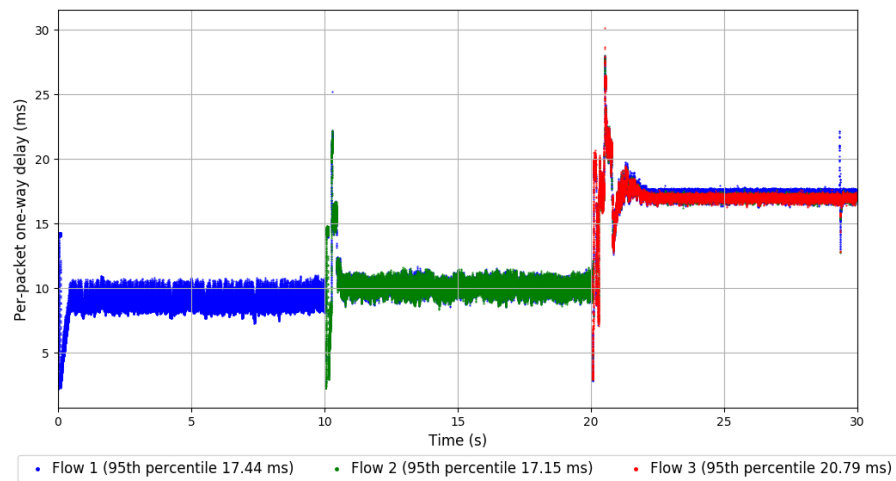
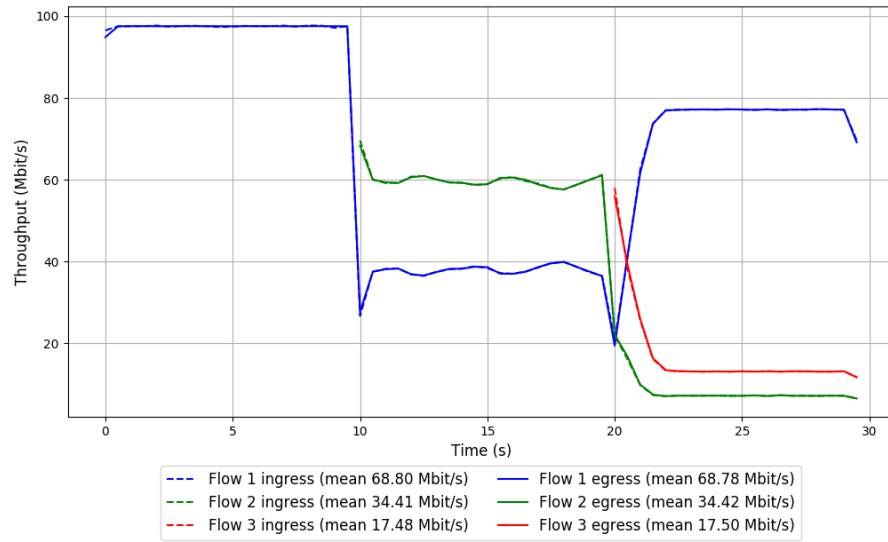


Run 10: Statistics of TCP BBR

Start at: 2018-03-27 17:35:48
End at: 2018-03-27 17:36:18
Local clock offset: -5.946 ms
Remote clock offset: -6.523 ms

Below is generated by plot.py at 2018-03-27 21:11:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 17.454 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 68.78 Mbit/s
95th percentile per-packet one-way delay: 17.442 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 17.146 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 17.50 Mbit/s
95th percentile per-packet one-way delay: 20.785 ms
Loss rate: 0.15%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-27 14:21:41

End at: 2018-03-27 14:22:11

Local clock offset: -5.478 ms

Remote clock offset: -6.616 ms

Run 1: Report of TCP Cubic — Data Link

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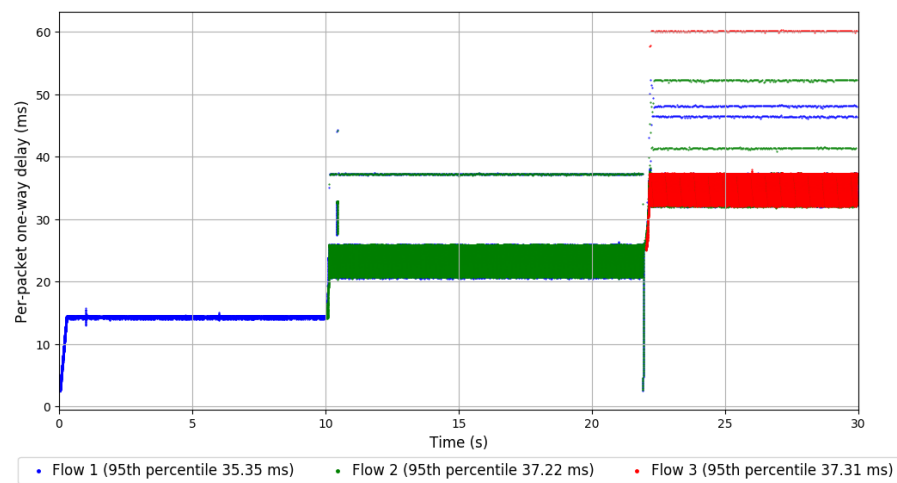
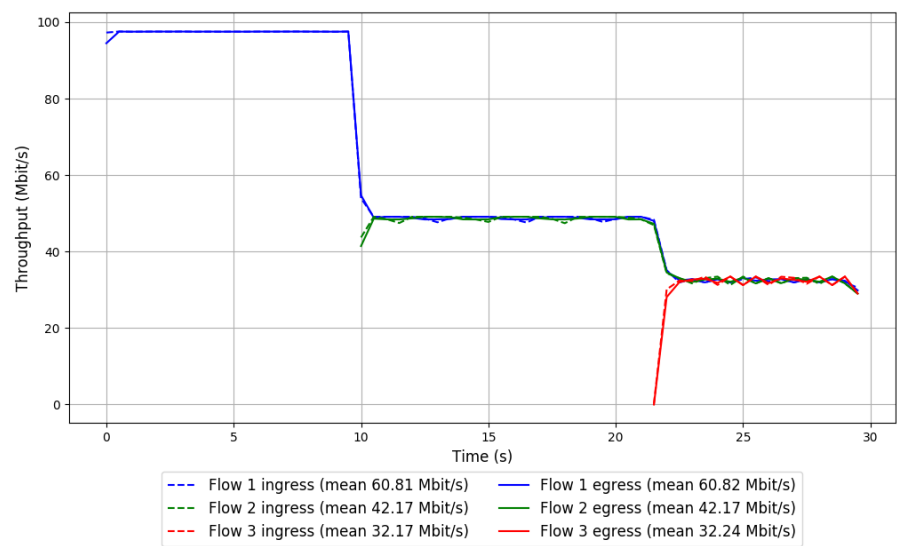
Figure is missing

Run 2: Statistics of TCP Cubic

Start at: 2018-03-27 14:42:05
End at: 2018-03-27 14:42:35
Local clock offset: -5.716 ms
Remote clock offset: -6.587 ms

Below is generated by plot.py at 2018-03-27 21:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 37.209 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 35.348 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.17 Mbit/s
95th percentile per-packet one-way delay: 37.224 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 37.311 ms
Loss rate: 0.44%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-27 15:02:32

End at: 2018-03-27 15:03:02

Local clock offset: -6.079 ms

Remote clock offset: -6.436 ms

Run 3: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of TCP Cubic

Start at: 2018-03-27 15:22:59

End at: 2018-03-27 15:23:29

Local clock offset: -7.037 ms

Remote clock offset: -6.639 ms

Run 4: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of TCP Cubic

Start at: 2018-03-27 15:43:27

End at: 2018-03-27 15:43:57

Local clock offset: -6.858 ms

Remote clock offset: -6.746 ms

Run 5: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of TCP Cubic

Start at: 2018-03-27 16:03:52

End at: 2018-03-27 16:04:22

Local clock offset: -6.797 ms

Remote clock offset: -7.447 ms

Run 6: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of TCP Cubic

Start at: 2018-03-27 16:24:16

End at: 2018-03-27 16:24:46

Local clock offset: -5.889 ms

Remote clock offset: -7.832 ms

Run 7: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-03-27 16:44:42

End at: 2018-03-27 16:45:12

Local clock offset: -5.673 ms

Remote clock offset: -8.102 ms

Run 8: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2018-03-27 17:05:08

End at: 2018-03-27 17:05:38

Local clock offset: -5.712 ms

Remote clock offset: -6.826 ms

Run 9: Report of TCP Cubic — Data Link

Figure is missing

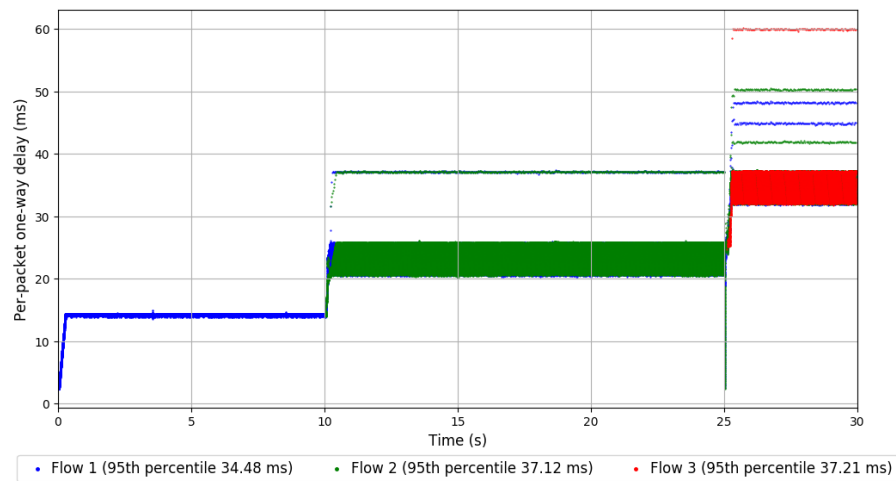
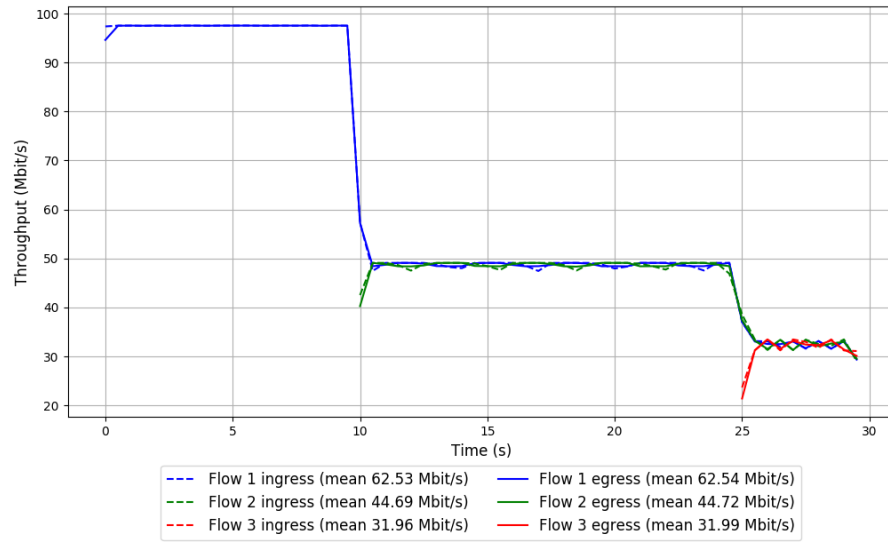
Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-03-27 17:25:34
End at: 2018-03-27 17:26:04
Local clock offset: -5.843 ms
Remote clock offset: -6.283 ms

Below is generated by plot.py at 2018-03-27 21:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 37.071 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.54 Mbit/s
95th percentile per-packet one-way delay: 34.478 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 37.119 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 37.206 ms
Loss rate: 1.03%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-03-27 14:30:45

End at: 2018-03-27 14:31:15

Local clock offset: -5.674 ms

Remote clock offset: -6.525 ms

Run 1: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of LEDBAT

Start at: 2018-03-27 14:51:10

End at: 2018-03-27 14:51:40

Local clock offset: -5.852 ms

Remote clock offset: -6.886 ms

Run 2: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of LEDBAT

Start at: 2018-03-27 15:11:37

End at: 2018-03-27 15:12:07

Local clock offset: -6.817 ms

Remote clock offset: -6.425 ms

Run 3: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of LEDBAT

Start at: 2018-03-27 15:32:05

End at: 2018-03-27 15:32:35

Local clock offset: -7.198 ms

Remote clock offset: -6.782 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of LEDBAT

Start at: 2018-03-27 15:52:30

End at: 2018-03-27 15:53:00

Local clock offset: -6.75 ms

Remote clock offset: -7.262 ms

Run 5: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2018-03-27 16:12:55

End at: 2018-03-27 16:13:25

Local clock offset: -6.331 ms

Remote clock offset: -7.615 ms

Run 6: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of LEDBAT

Start at: 2018-03-27 16:33:20

End at: 2018-03-27 16:33:50

Local clock offset: -5.816 ms

Remote clock offset: -7.872 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-03-27 16:53:47

End at: 2018-03-27 16:54:17

Local clock offset: -5.782 ms

Remote clock offset: -7.975 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-03-27 17:14:14

End at: 2018-03-27 17:14:44

Local clock offset: -5.715 ms

Remote clock offset: -6.502 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-03-27 17:34:40

End at: 2018-03-27 17:35:10

Local clock offset: -5.866 ms

Remote clock offset: -6.52 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

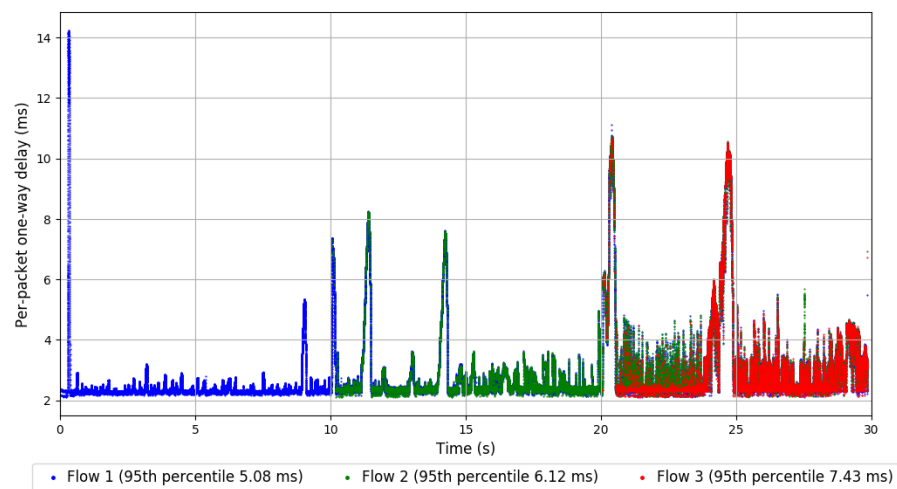
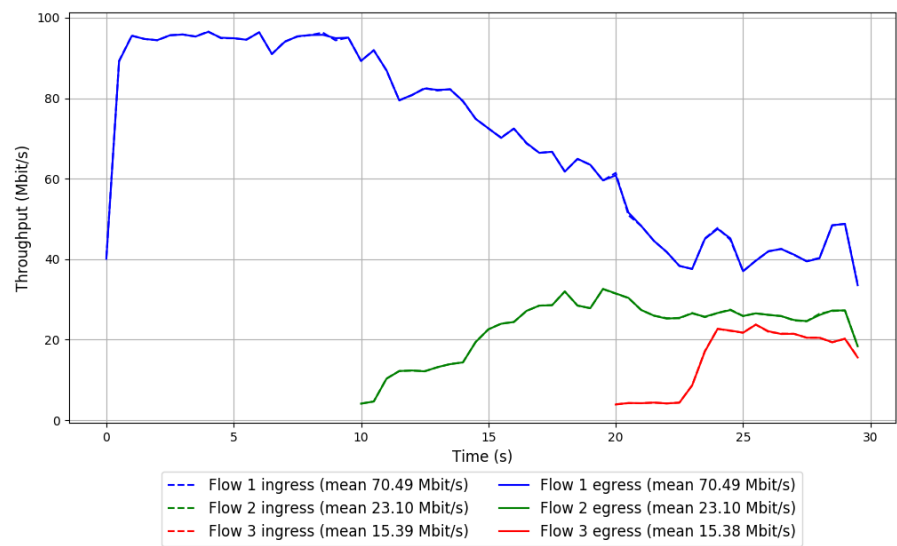
Figure is missing

Run 1: Statistics of PCC

Start at: 2018-03-27 14:29:38
End at: 2018-03-27 14:30:08
Local clock offset: -5.67 ms
Remote clock offset: -6.545 ms

Below is generated by plot.py at 2018-03-27 21:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 5.440 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.49 Mbit/s
95th percentile per-packet one-way delay: 5.084 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 6.118 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 15.38 Mbit/s
95th percentile per-packet one-way delay: 7.427 ms
Loss rate: 0.08%

Run 1: Report of PCC — Data Link

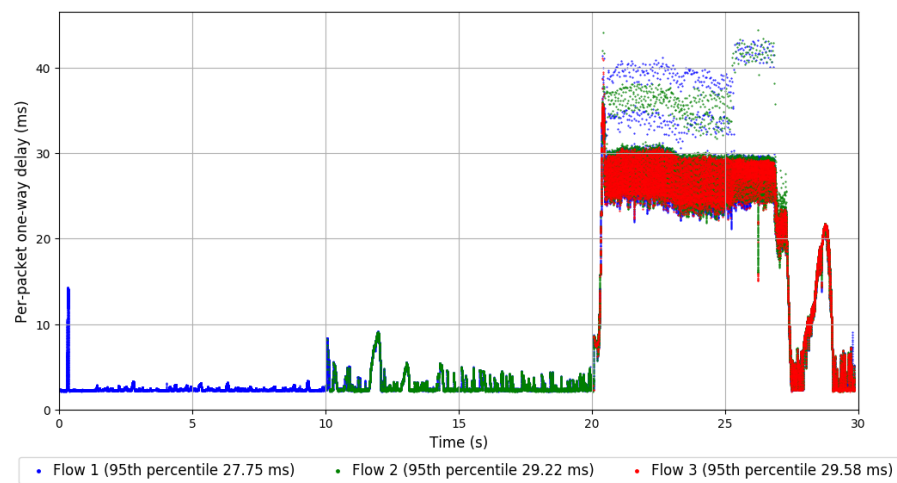
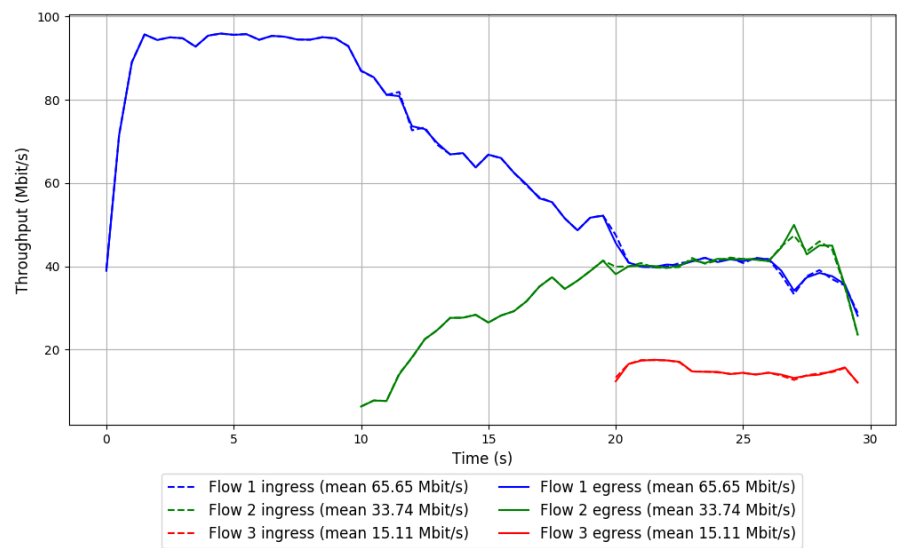


Run 2: Statistics of PCC

Start at: 2018-03-27 14:50:03
End at: 2018-03-27 14:50:33
Local clock offset: -5.793 ms
Remote clock offset: -6.547 ms

Below is generated by plot.py at 2018-03-27 21:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 28.617 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 27.750 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 29.224 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 29.580 ms
Loss rate: 0.05%

Run 2: Report of PCC — Data Link

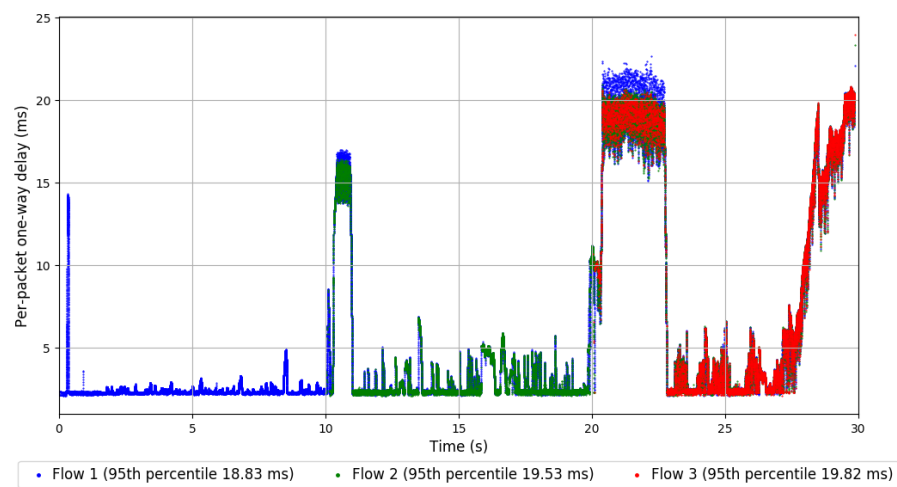
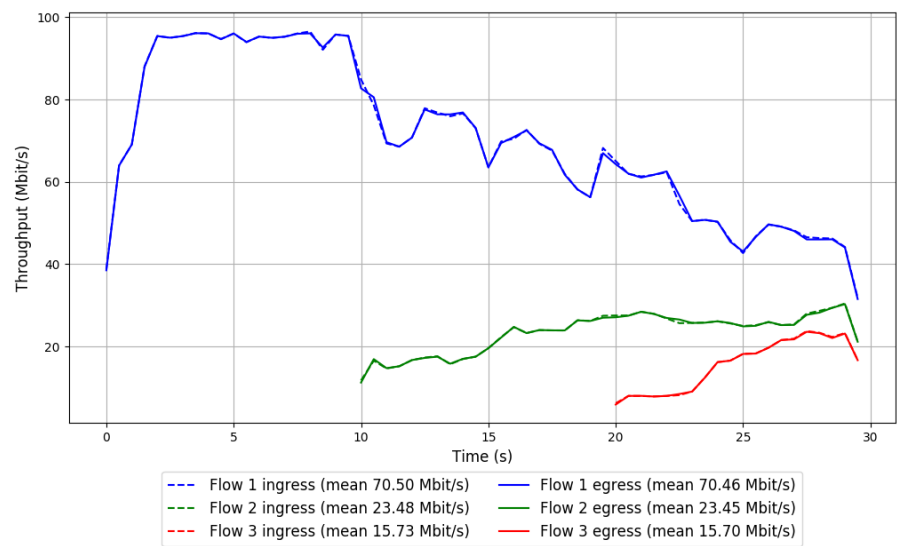


Run 3: Statistics of PCC

Start at: 2018-03-27 15:10:30
End at: 2018-03-27 15:11:00
Local clock offset: -6.755 ms
Remote clock offset: -6.394 ms

Below is generated by plot.py at 2018-03-27 21:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 70.46 Mbit/s
95th percentile per-packet one-way delay: 18.826 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 19.527 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 19.818 ms
Loss rate: 0.31%

Run 3: Report of PCC — Data Link

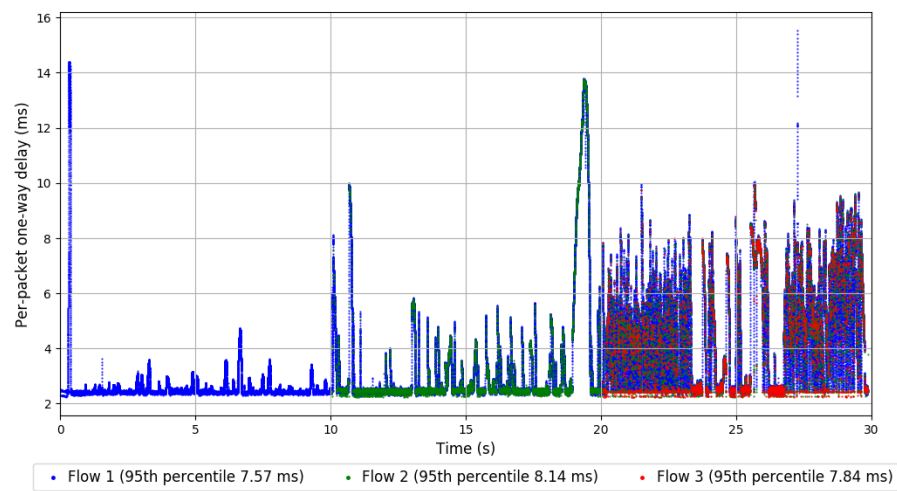
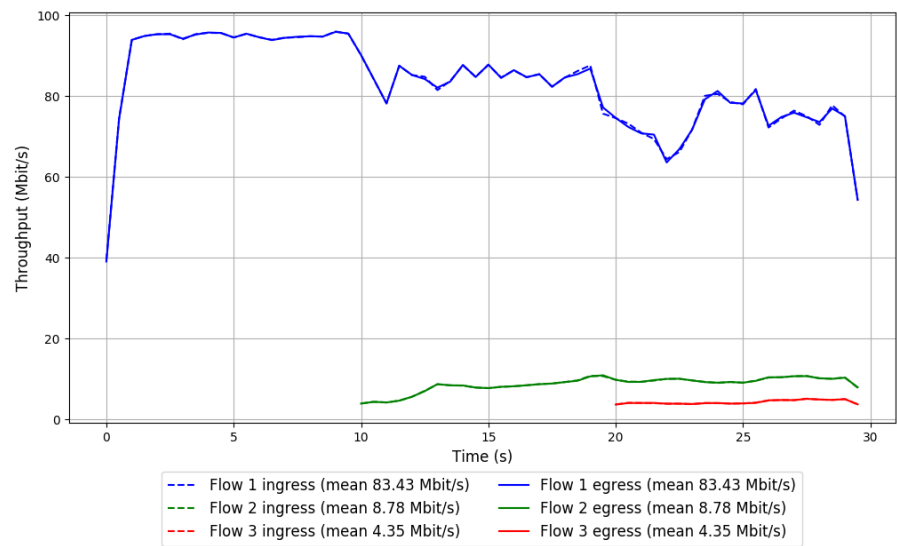


Run 4: Statistics of PCC

Start at: 2018-03-27 15:30:58
End at: 2018-03-27 15:31:28
Local clock offset: -7.205 ms
Remote clock offset: -6.787 ms

Below is generated by plot.py at 2018-03-27 21:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 7.627 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 7.567 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.78 Mbit/s
95th percentile per-packet one-way delay: 8.143 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 7.845 ms
Loss rate: 0.06%

Run 4: Report of PCC — Data Link

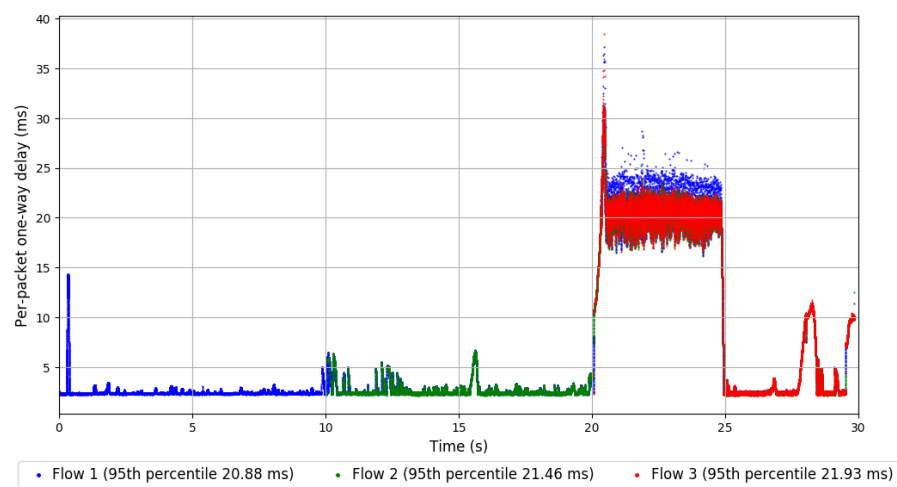
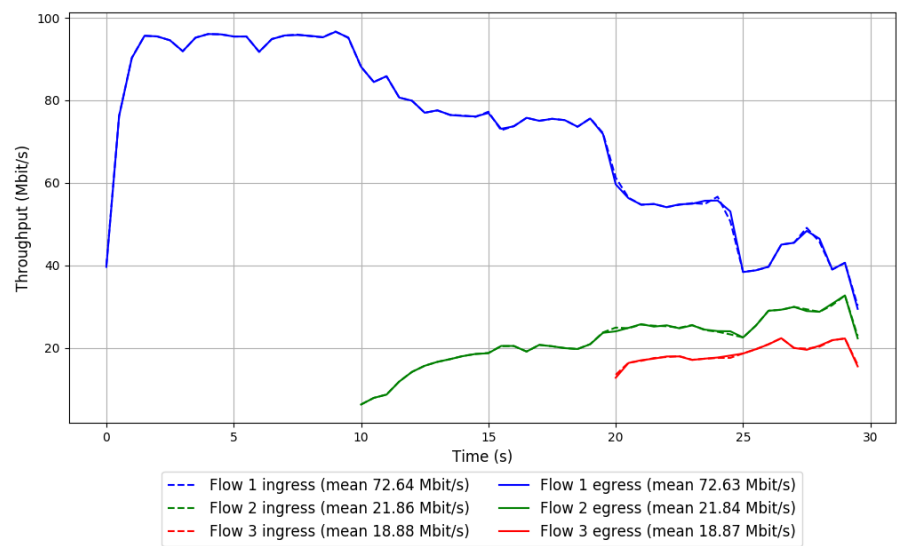


Run 5: Statistics of PCC

Start at: 2018-03-27 15:51:23
End at: 2018-03-27 15:51:53
Local clock offset: -6.743 ms
Remote clock offset: -7.138 ms

Below is generated by plot.py at 2018-03-27 21:12:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 21.189 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 72.63 Mbit/s
95th percentile per-packet one-way delay: 20.879 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 21.461 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 18.87 Mbit/s
95th percentile per-packet one-way delay: 21.935 ms
Loss rate: 0.14%

Run 5: Report of PCC — Data Link

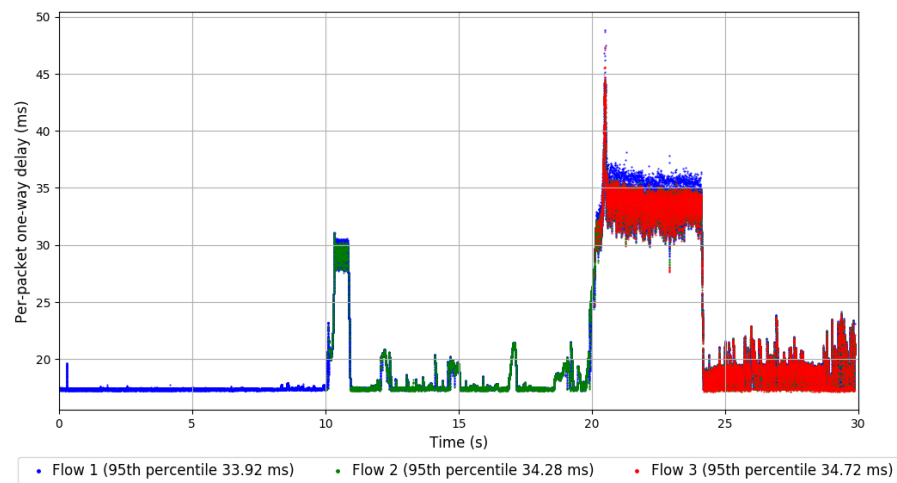
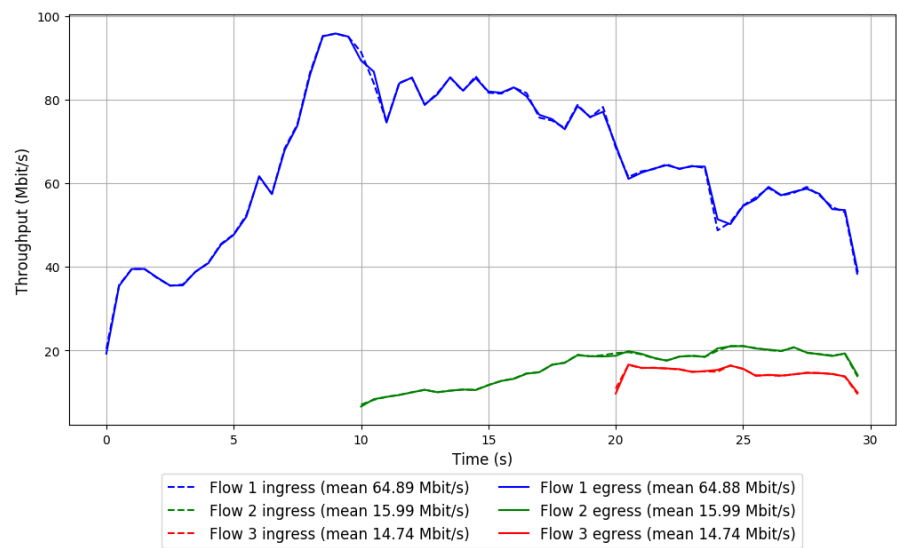


Run 6: Statistics of PCC

Start at: 2018-03-27 16:11:48
End at: 2018-03-27 16:12:18
Local clock offset: -6.382 ms
Remote clock offset: -22.659 ms

Below is generated by plot.py at 2018-03-27 21:12:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 34.097 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 64.88 Mbit/s
95th percentile per-packet one-way delay: 33.917 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 34.276 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 34.724 ms
Loss rate: 0.06%

Run 6: Report of PCC — Data Link

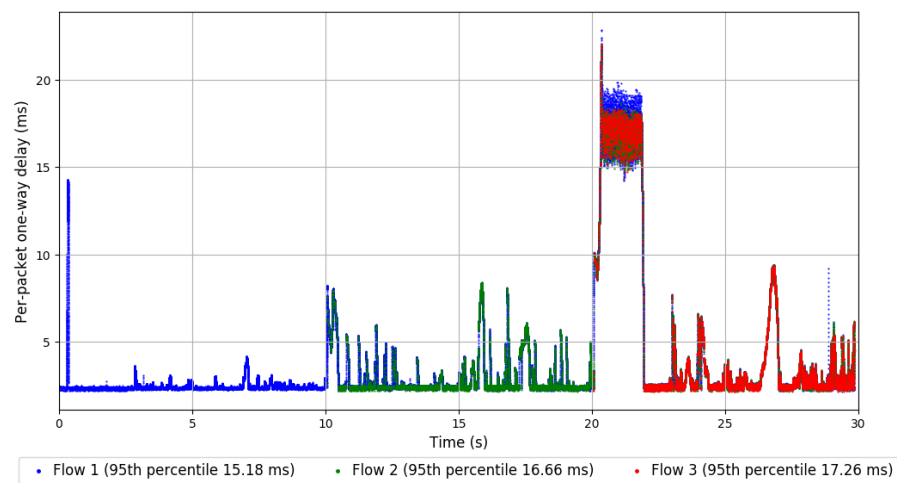
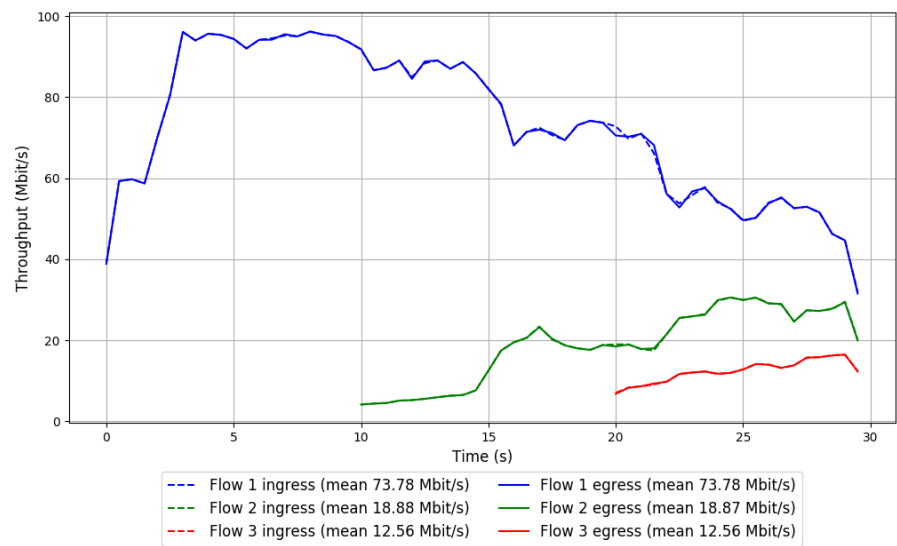


Run 7: Statistics of PCC

Start at: 2018-03-27 16:32:13
End at: 2018-03-27 16:32:43
Local clock offset: -5.733 ms
Remote clock offset: -7.877 ms

Below is generated by plot.py at 2018-03-27 21:12:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.44 Mbit/s
95th percentile per-packet one-way delay: 16.103 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 73.78 Mbit/s
95th percentile per-packet one-way delay: 15.175 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 18.87 Mbit/s
95th percentile per-packet one-way delay: 16.661 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 17.260 ms
Loss rate: 0.10%

Run 7: Report of PCC — Data Link

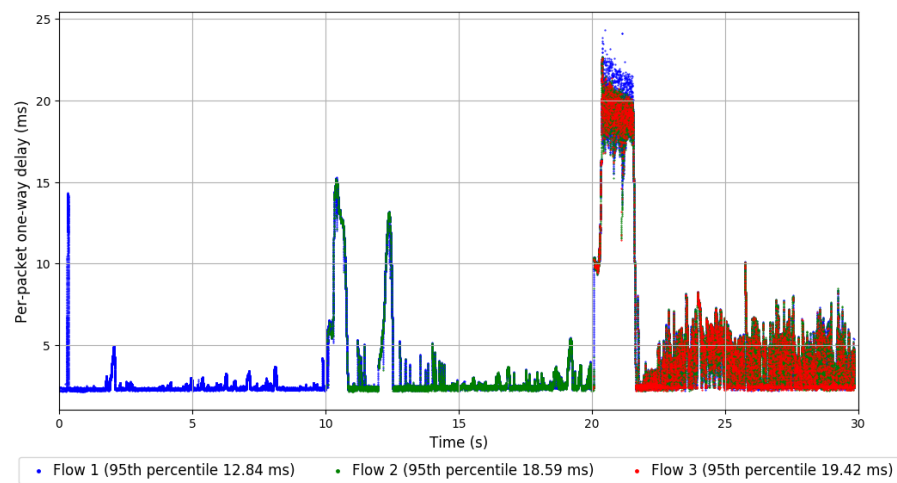
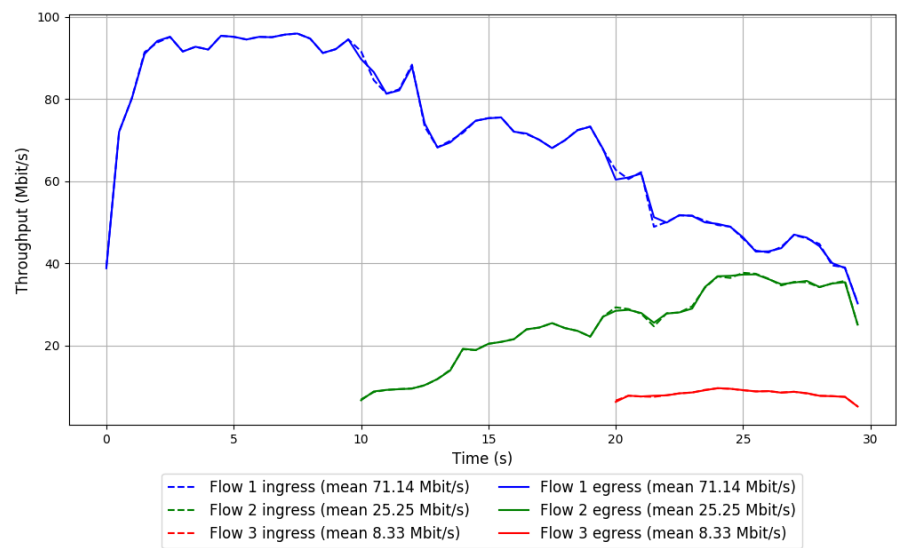


Run 8: Statistics of PCC

Start at: 2018-03-27 16:52:40
End at: 2018-03-27 16:53:10
Local clock offset: -5.71 ms
Remote clock offset: -8.141 ms

Below is generated by plot.py at 2018-03-27 21:12:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 14.157 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 71.14 Mbit/s
95th percentile per-packet one-way delay: 12.841 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 25.25 Mbit/s
95th percentile per-packet one-way delay: 18.593 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 19.417 ms
Loss rate: 0.04%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-27 17:13:07

End at: 2018-03-27 17:13:37

Local clock offset: -5.705 ms

Remote clock offset: -6.52 ms

Below is generated by plot.py at 2018-03-27 21:12:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 17.118 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 80.61 Mbit/s

95th percentile per-packet one-way delay: 16.845 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 17.349 ms

Loss rate: 0.08%

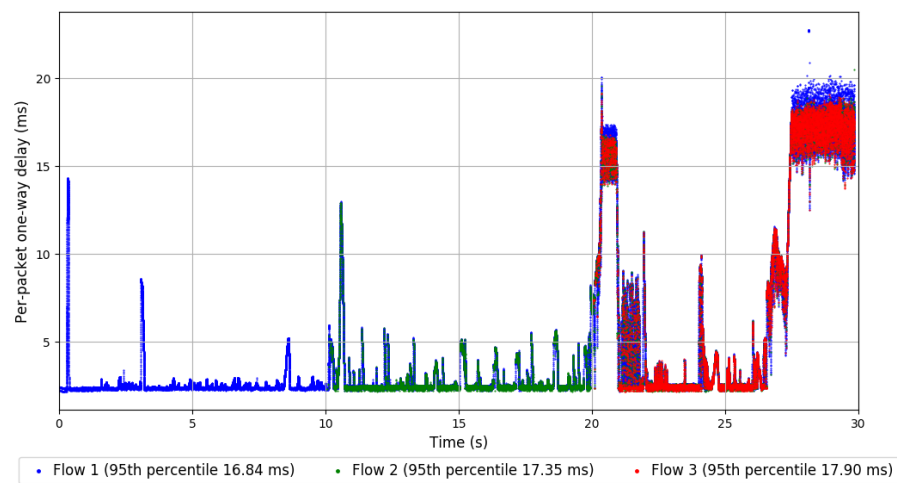
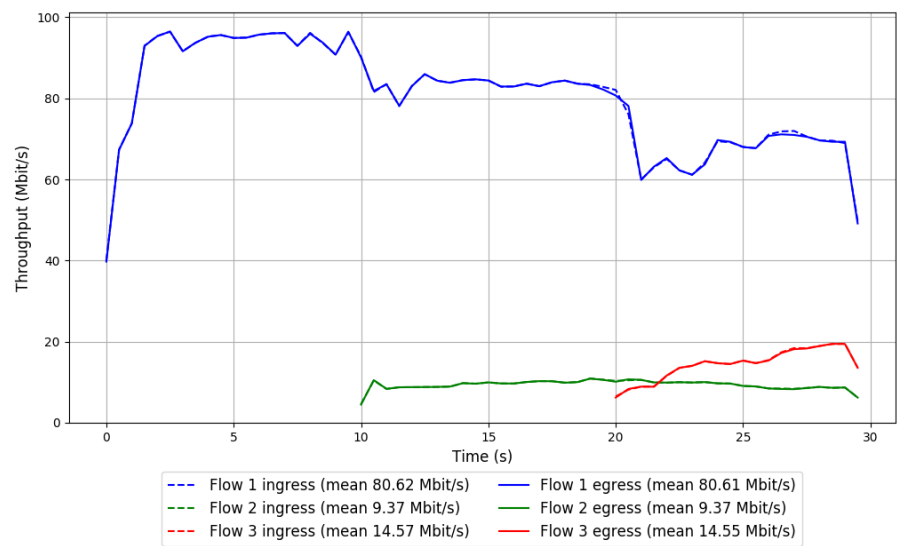
-- Flow 3:

Average throughput: 14.55 Mbit/s

95th percentile per-packet one-way delay: 17.903 ms

Loss rate: 0.24%

Run 9: Report of PCC — Data Link

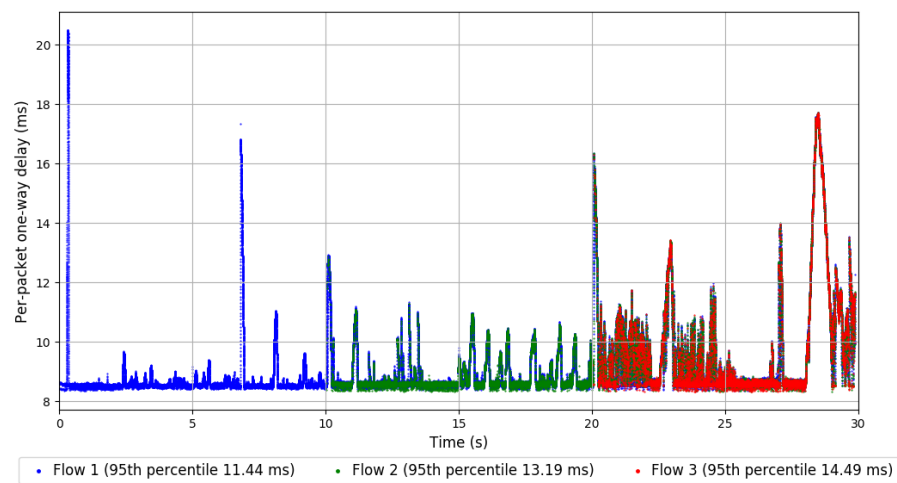
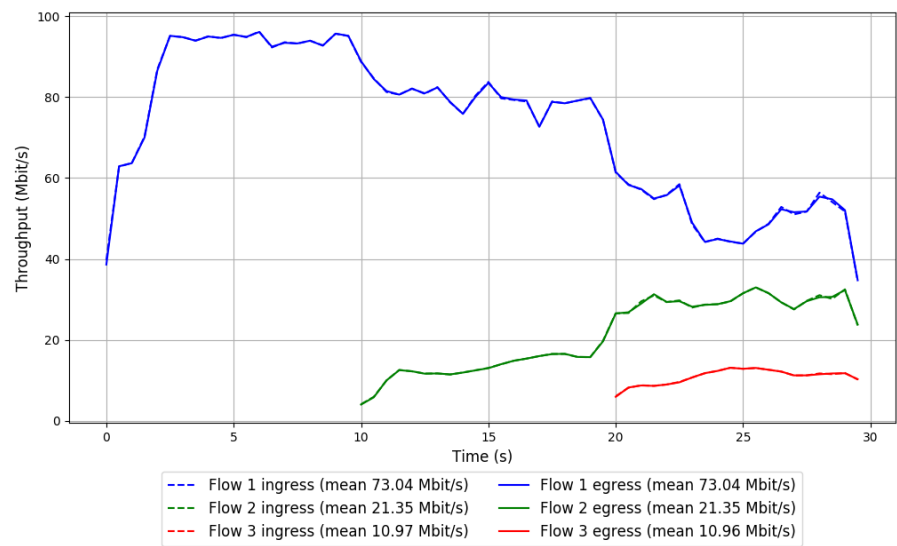


Run 10: Statistics of PCC

Start at: 2018-03-27 17:33:33
End at: 2018-03-27 17:34:03
Local clock offset: -5.862 ms
Remote clock offset: -12.656 ms

Below is generated by plot.py at 2018-03-27 21:12:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 11.999 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 73.04 Mbit/s
95th percentile per-packet one-way delay: 11.441 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 13.193 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 14.490 ms
Loss rate: 0.10%

Run 10: Report of PCC — Data Link

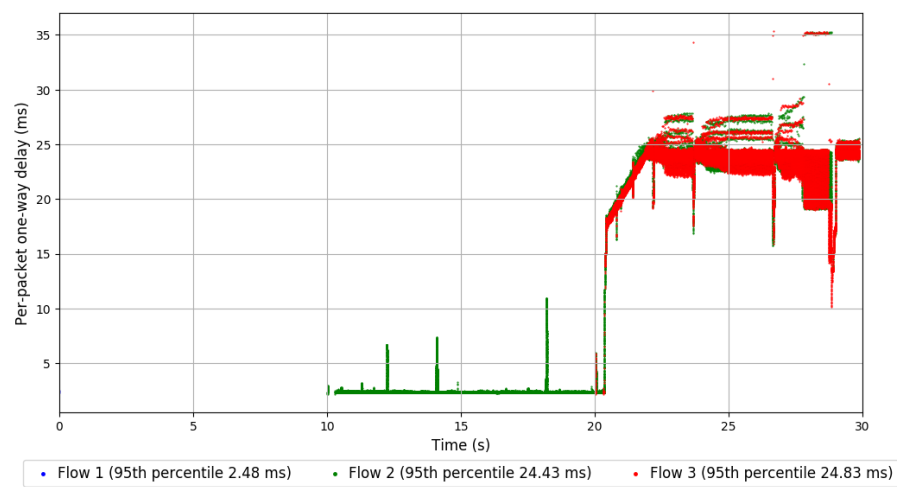
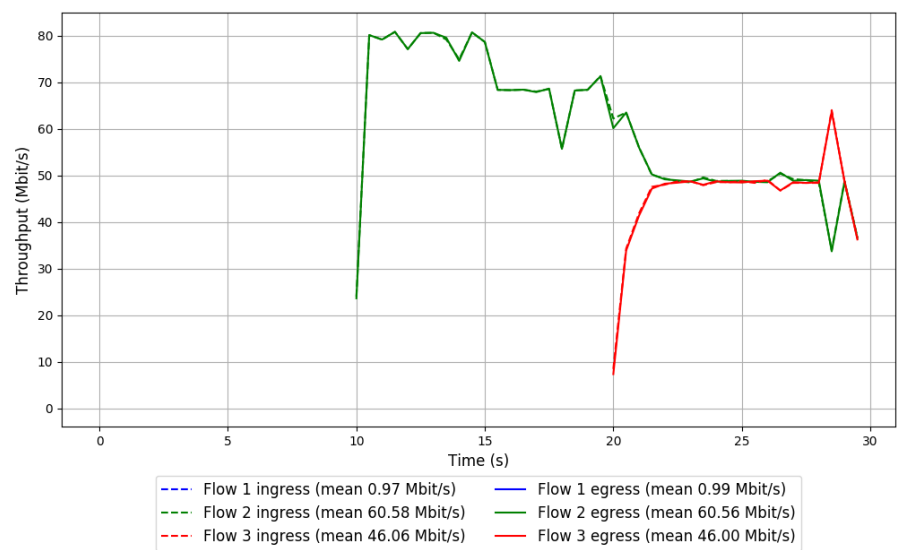


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-27 14:17:18
End at: 2018-03-27 14:17:48
Local clock offset: -5.563 ms
Remote clock offset: -6.645 ms

Below is generated by plot.py at 2018-03-27 21:12:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 24.466 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 24.433 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 24.831 ms
Loss rate: 0.28%

Run 1: Report of QUIC Cubic — Data Link

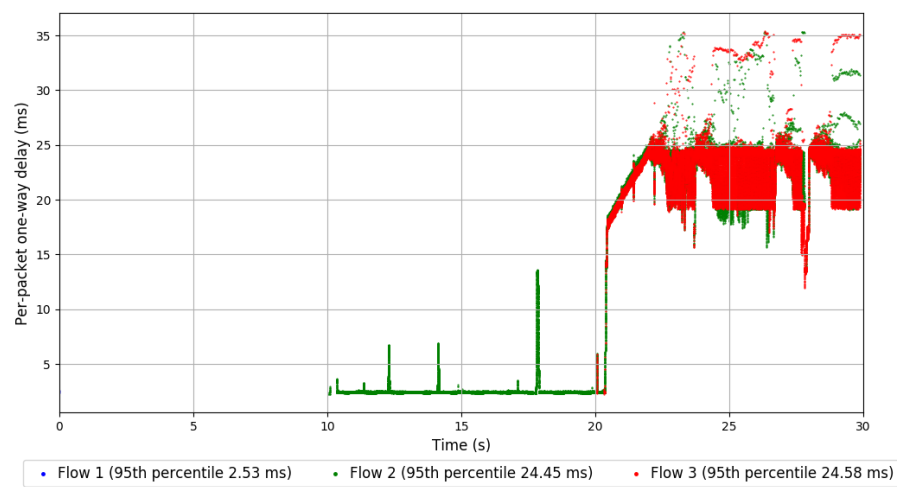
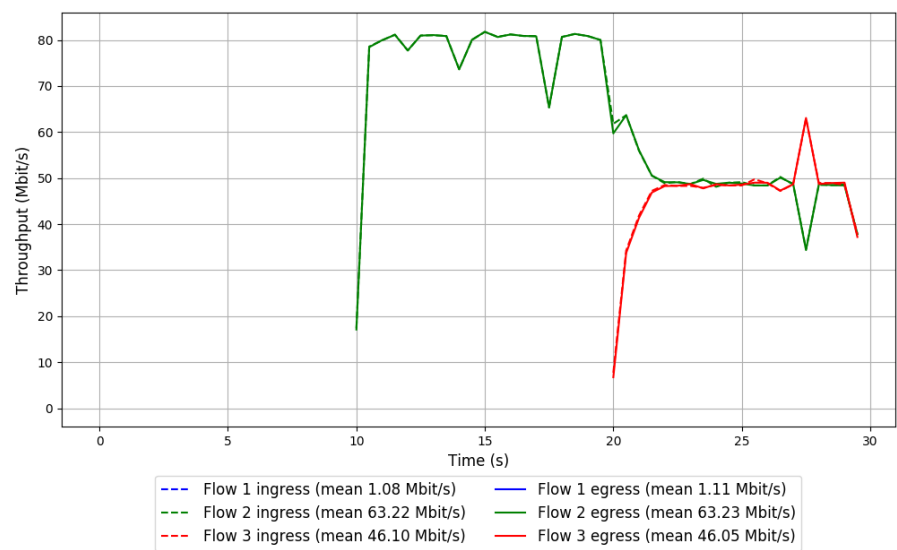


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-27 14:37:42
End at: 2018-03-27 14:38:12
Local clock offset: -5.716 ms
Remote clock offset: -6.485 ms

Below is generated by plot.py at 2018-03-27 21:12:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 24.486 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 2.526 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 24.454 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.05 Mbit/s
95th percentile per-packet one-way delay: 24.579 ms
Loss rate: 0.31%

Run 2: Report of QUIC Cubic — Data Link

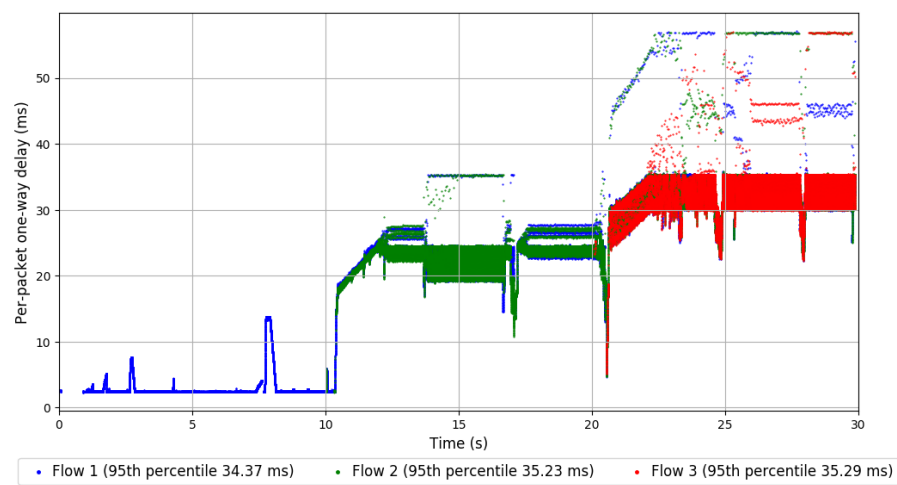
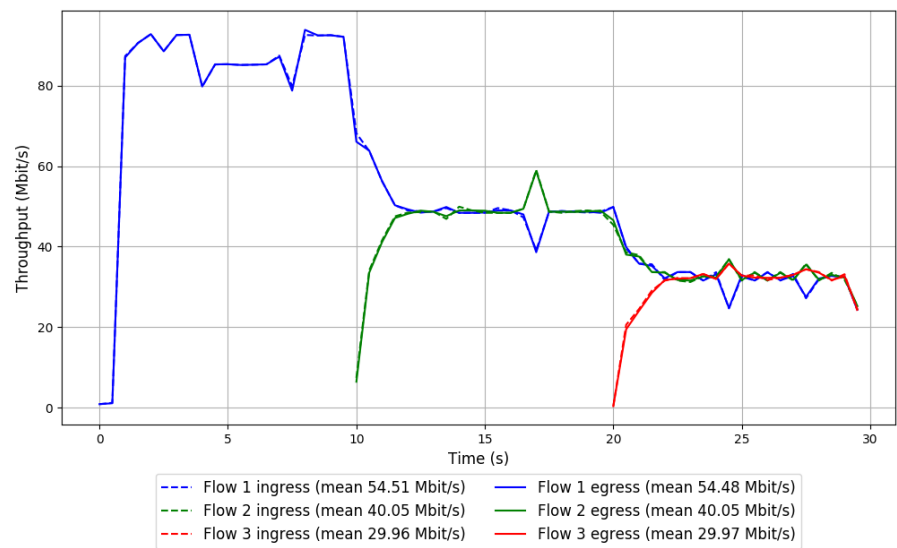


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-27 14:58:07
End at: 2018-03-27 14:58:37
Local clock offset: -5.72 ms
Remote clock offset: -6.496 ms

Below is generated by plot.py at 2018-03-27 21:13:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 35.175 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 34.365 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 35.230 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 35.290 ms
Loss rate: 0.38%

Run 3: Report of QUIC Cubic — Data Link

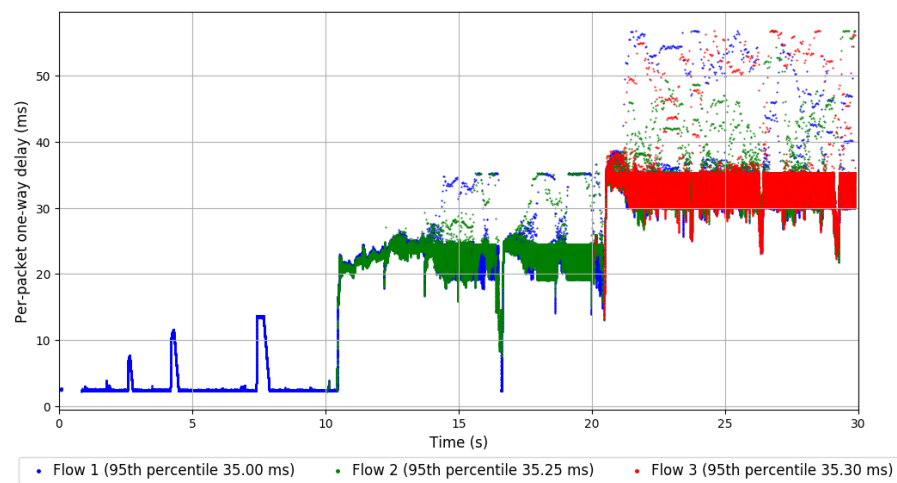
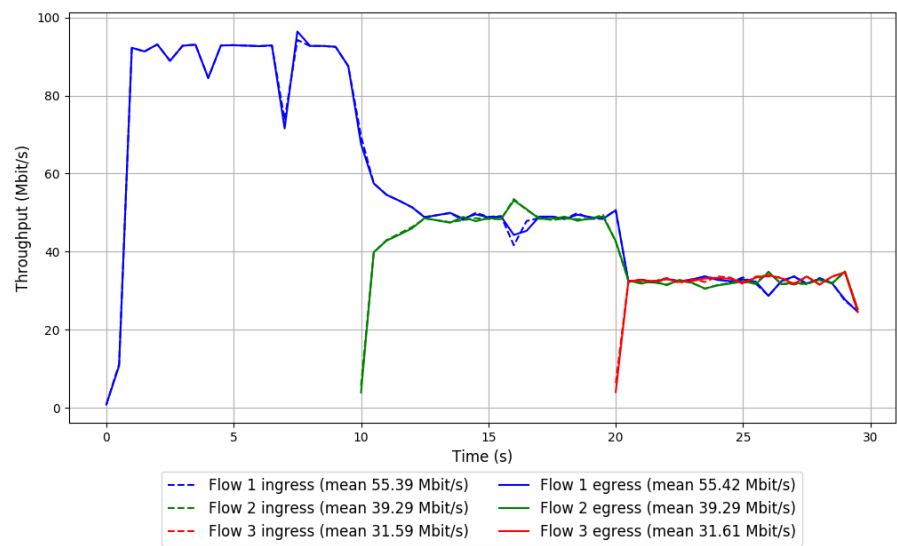


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-27 15:18:34
End at: 2018-03-27 15:19:04
Local clock offset: -6.969 ms
Remote clock offset: -6.609 ms

Below is generated by plot.py at 2018-03-27 21:13:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 35.002 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 35.253 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 35.298 ms
Loss rate: 0.45%

Run 4: Report of QUIC Cubic — Data Link

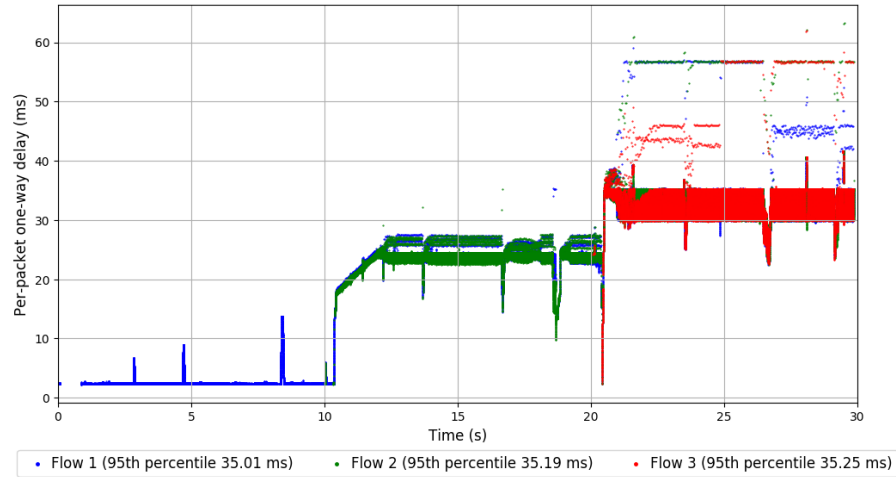
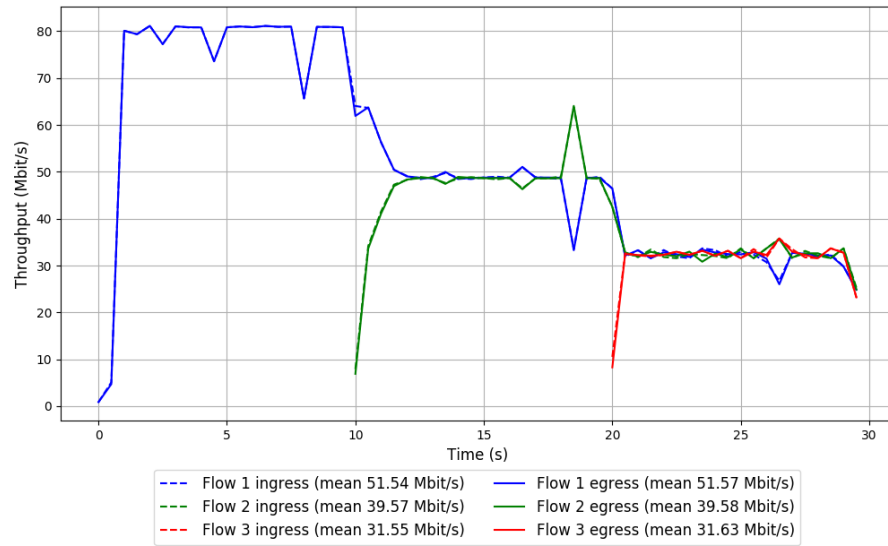


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-27 15:39:02
End at: 2018-03-27 15:39:32
Local clock offset: -6.973 ms
Remote clock offset: -6.732 ms

Below is generated by plot.py at 2018-03-27 21:14:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 35.164 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.57 Mbit/s
95th percentile per-packet one-way delay: 35.007 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 35.185 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 35.248 ms
Loss rate: 0.35%

Run 5: Report of QUIC Cubic — Data Link

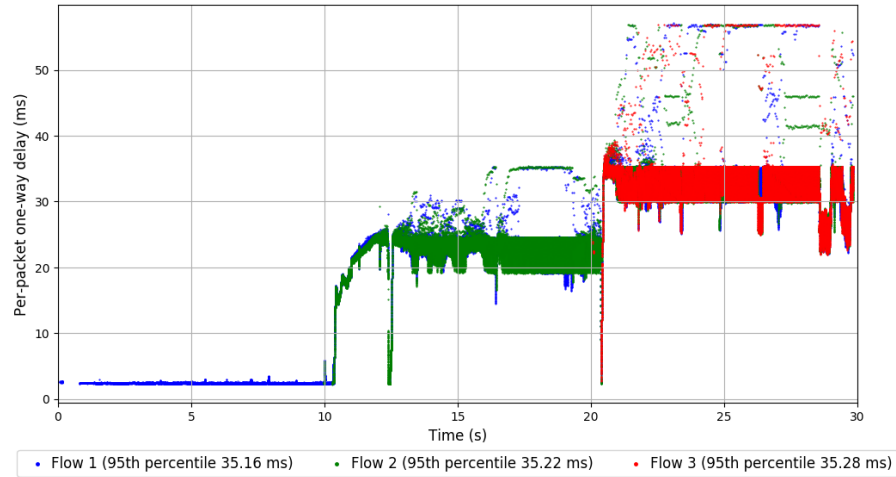
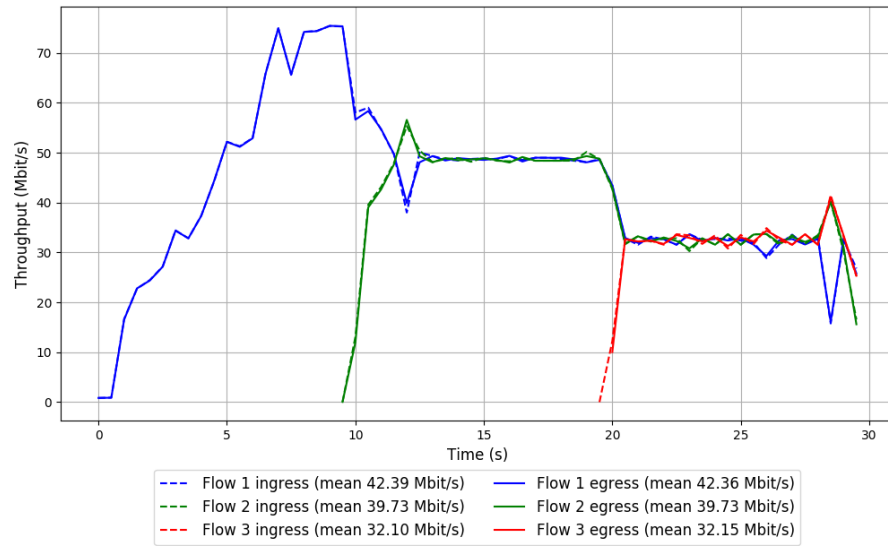


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-27 15:59:27
End at: 2018-03-27 15:59:57
Local clock offset: -6.721 ms
Remote clock offset: -7.369 ms

Below is generated by plot.py at 2018-03-27 21:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.38 Mbit/s
95th percentile per-packet one-way delay: 35.220 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 42.36 Mbit/s
95th percentile per-packet one-way delay: 35.163 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 35.218 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 35.278 ms
Loss rate: 0.34%

Run 6: Report of QUIC Cubic — Data Link

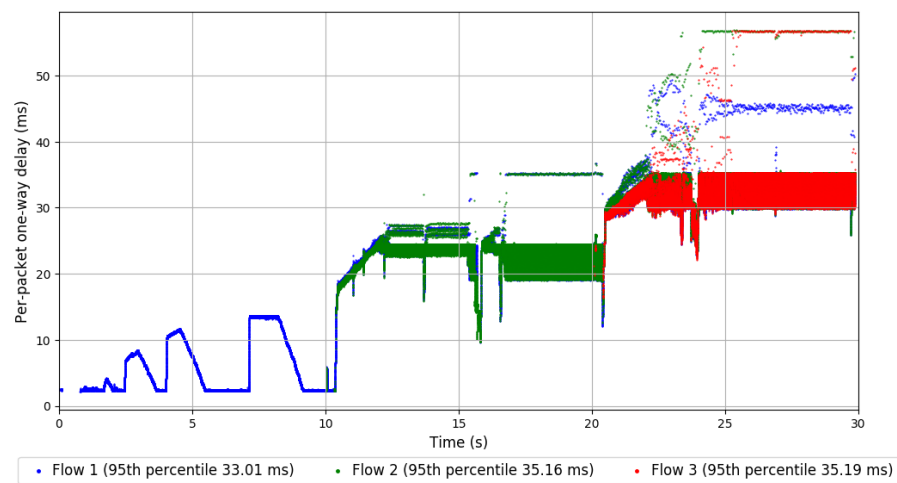
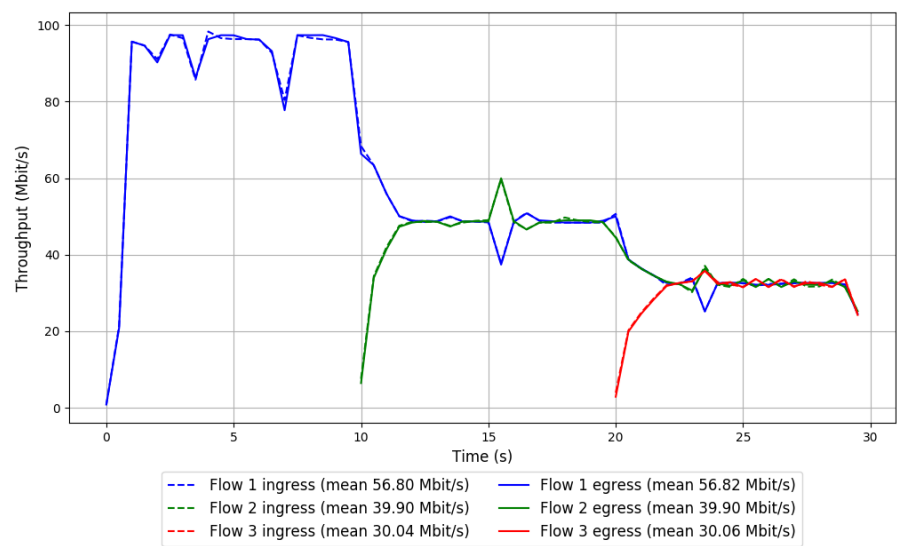


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-27 16:19:52
End at: 2018-03-27 16:20:22
Local clock offset: -6.006 ms
Remote clock offset: -7.707 ms

Below is generated by plot.py at 2018-03-27 21:14:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 35.065 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 33.014 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 35.160 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 35.194 ms
Loss rate: 0.40%

Run 7: Report of QUIC Cubic — Data Link

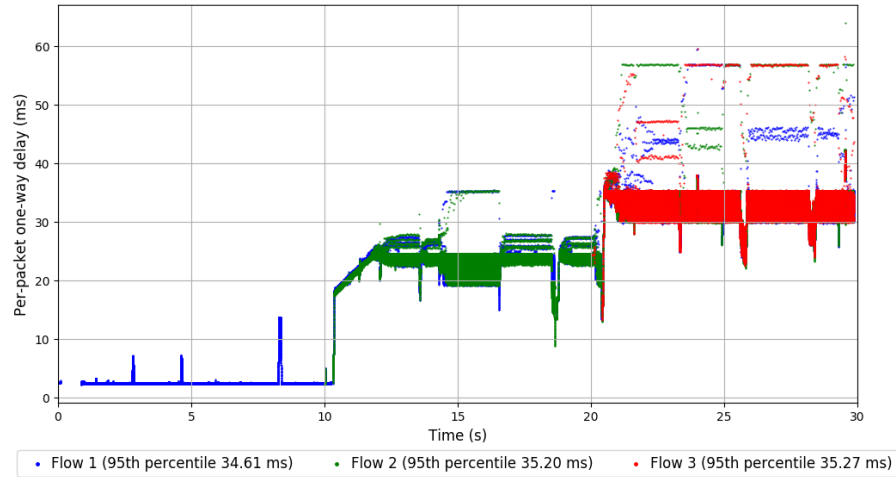
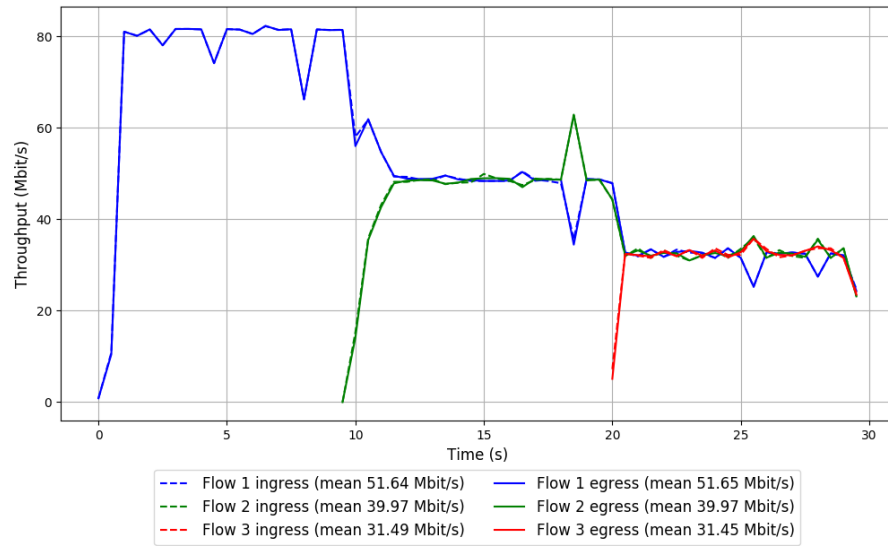


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-27 16:40:17
End at: 2018-03-27 16:40:47
Local clock offset: -5.631 ms
Remote clock offset: -7.972 ms

Below is generated by plot.py at 2018-03-27 21:14:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 35.179 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.65 Mbit/s
95th percentile per-packet one-way delay: 34.609 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 35.202 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 35.274 ms
Loss rate: 0.40%

Run 8: Report of QUIC Cubic — Data Link

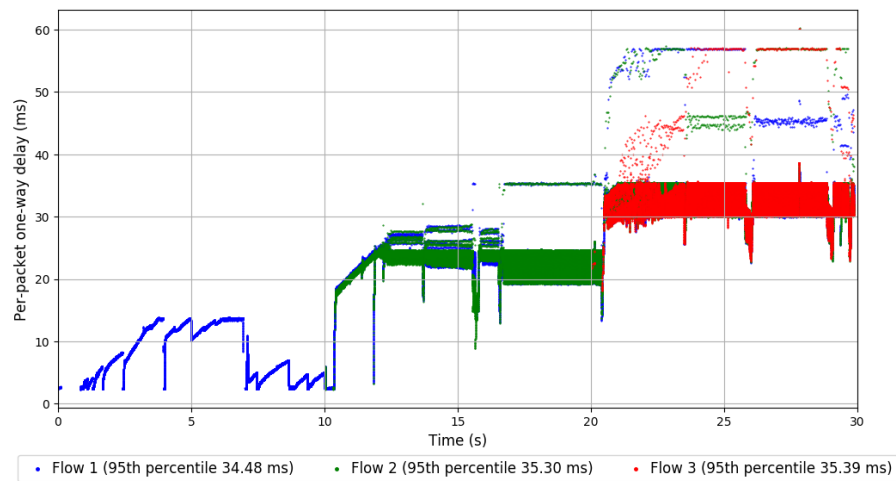
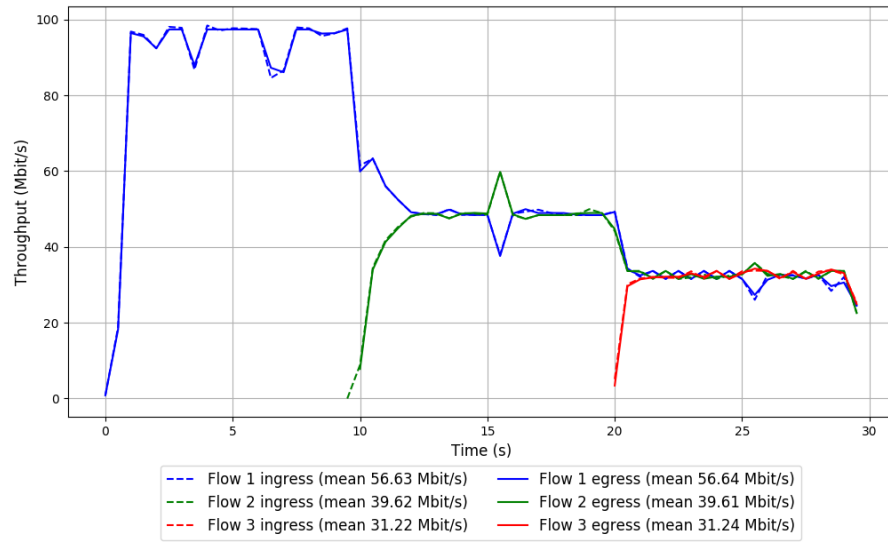


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-27 17:00:43
End at: 2018-03-27 17:01:13
Local clock offset: -5.691 ms
Remote clock offset: -7.157 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 35.272 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 34.482 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 35.302 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 35.388 ms
Loss rate: 0.40%

Run 9: Report of QUIC Cubic — Data Link

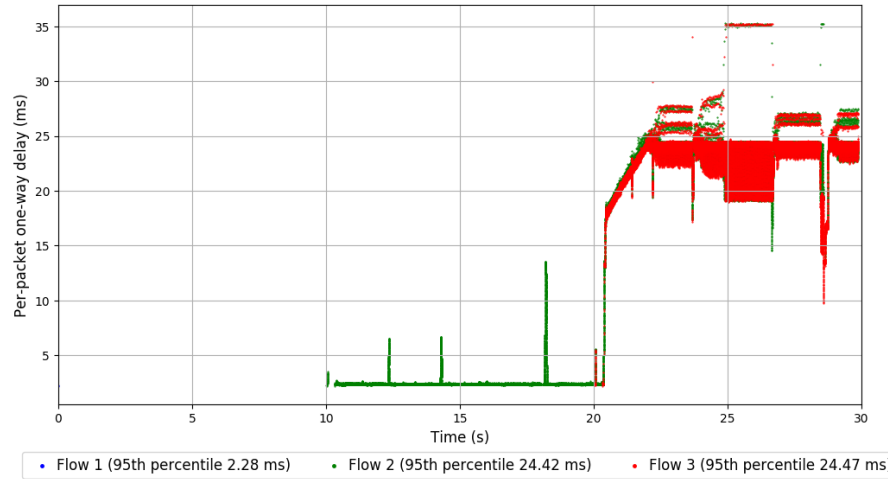
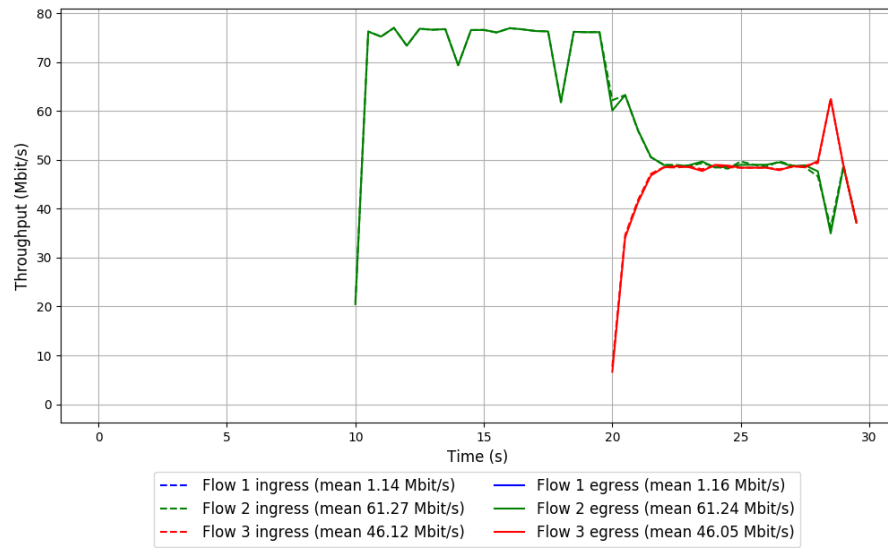


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-27 17:21:11
End at: 2018-03-27 17:21:41
Local clock offset: -5.826 ms
Remote clock offset: -6.344 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 24.440 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 2.280 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.24 Mbit/s
95th percentile per-packet one-way delay: 24.417 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 46.05 Mbit/s
95th percentile per-packet one-way delay: 24.473 ms
Loss rate: 0.28%

Run 10: Report of QUIC Cubic — Data Link

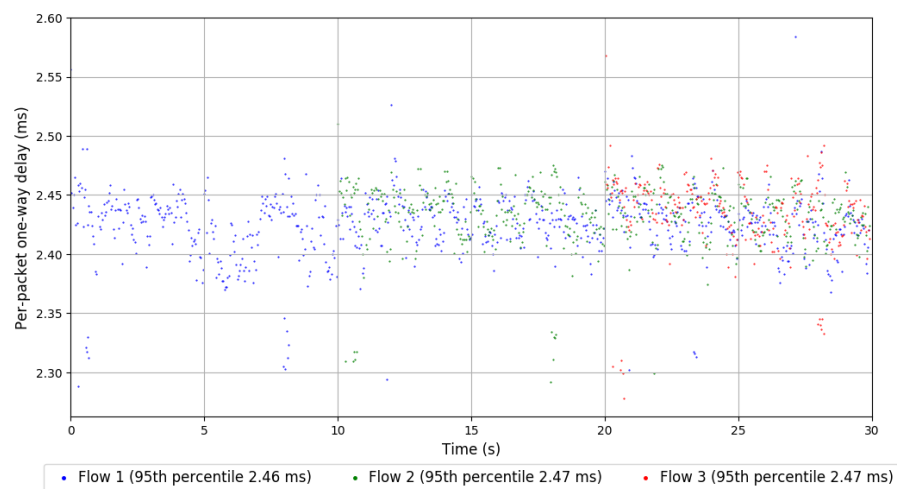
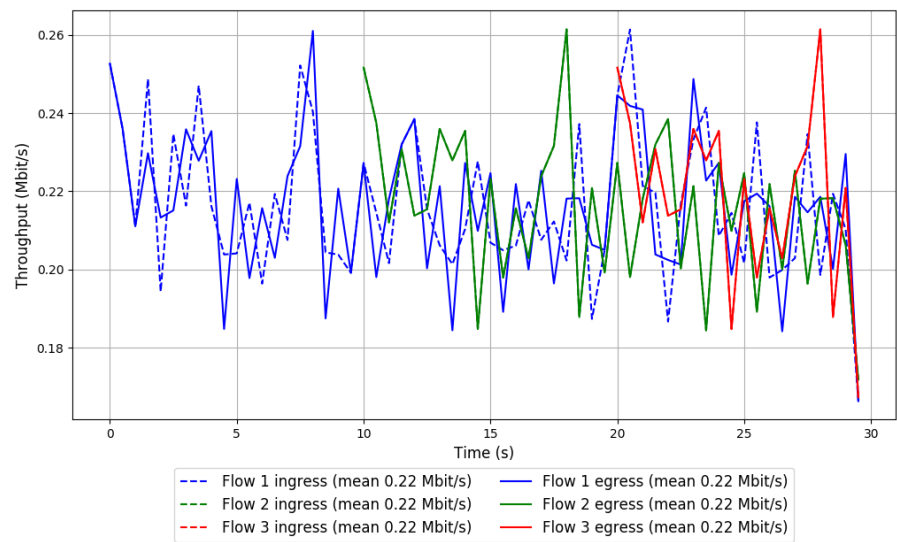


Run 1: Statistics of SReAM

Start at: 2018-03-27 14:18:24
End at: 2018-03-27 14:18:54
Local clock offset: -5.507 ms
Remote clock offset: -6.692 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.471 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

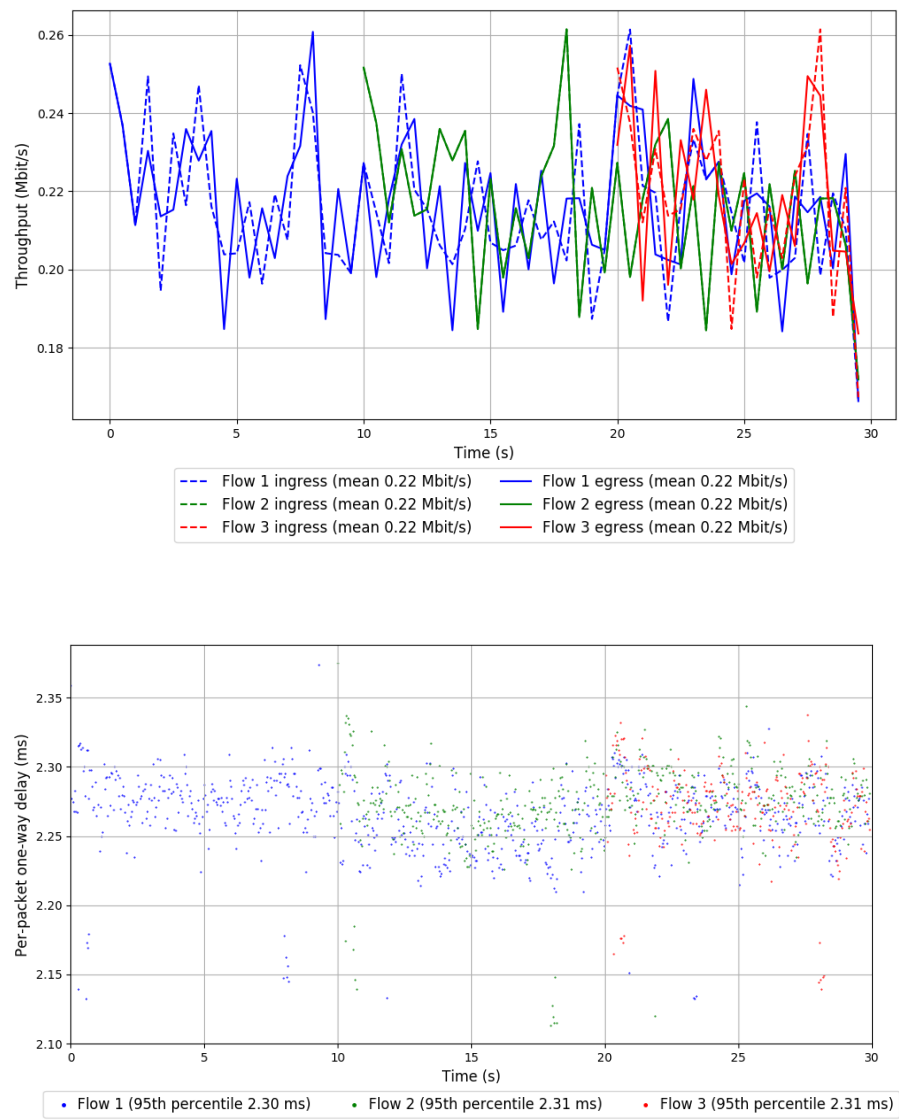


Run 2: Statistics of SReAM

Start at: 2018-03-27 14:38:48
End at: 2018-03-27 14:39:18
Local clock offset: -5.82 ms
Remote clock offset: -6.489 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.302 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: 2.312 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

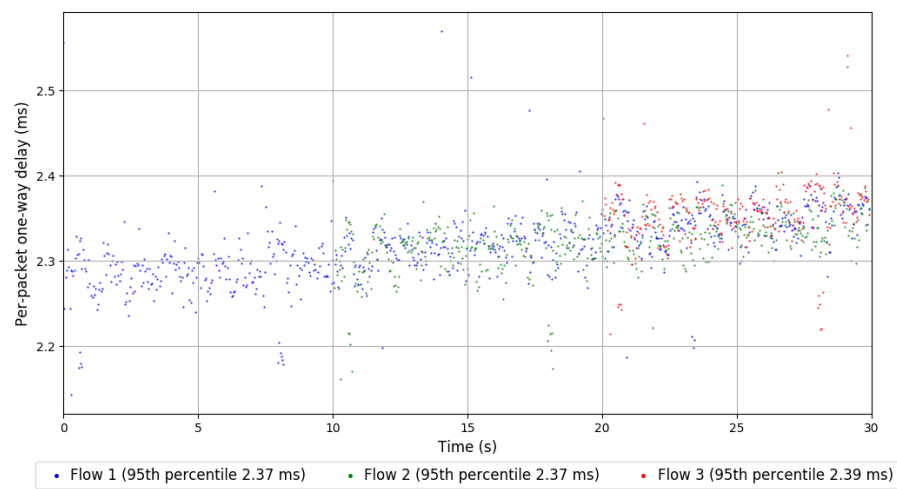
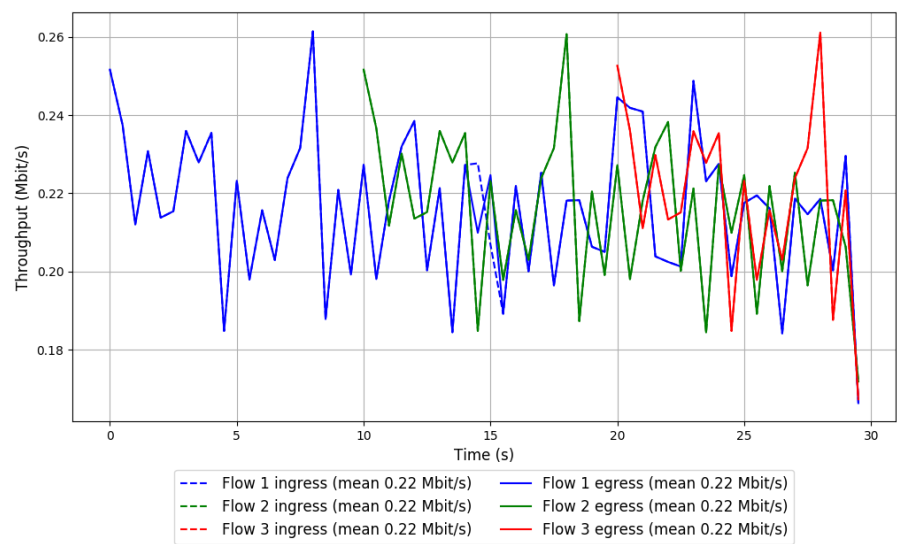


Run 3: Statistics of SReAM

Start at: 2018-03-27 14:59:15
End at: 2018-03-27 14:59:45
Local clock offset: -5.812 ms
Remote clock offset: -6.459 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.377 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: 2.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.390 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

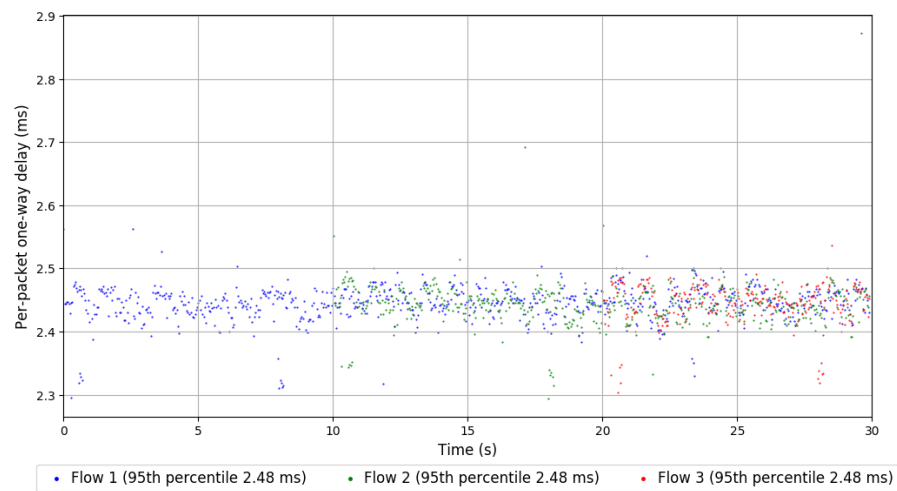
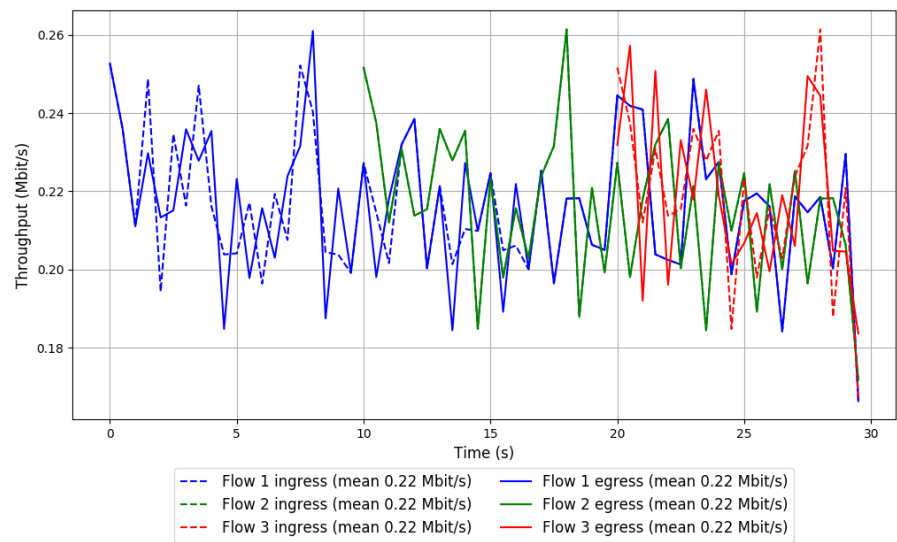


Run 4: Statistics of SReAM

Start at: 2018-03-27 15:19:42
End at: 2018-03-27 15:20:12
Local clock offset: -6.98 ms
Remote clock offset: -6.675 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.482 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

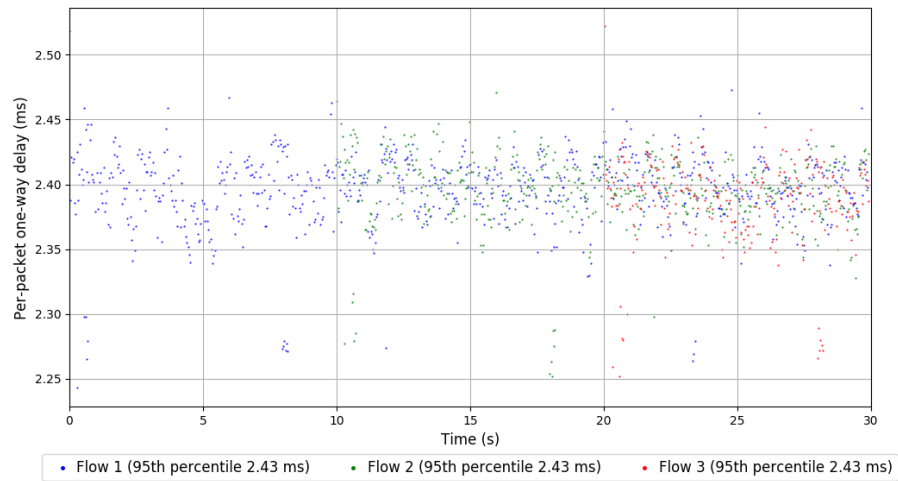
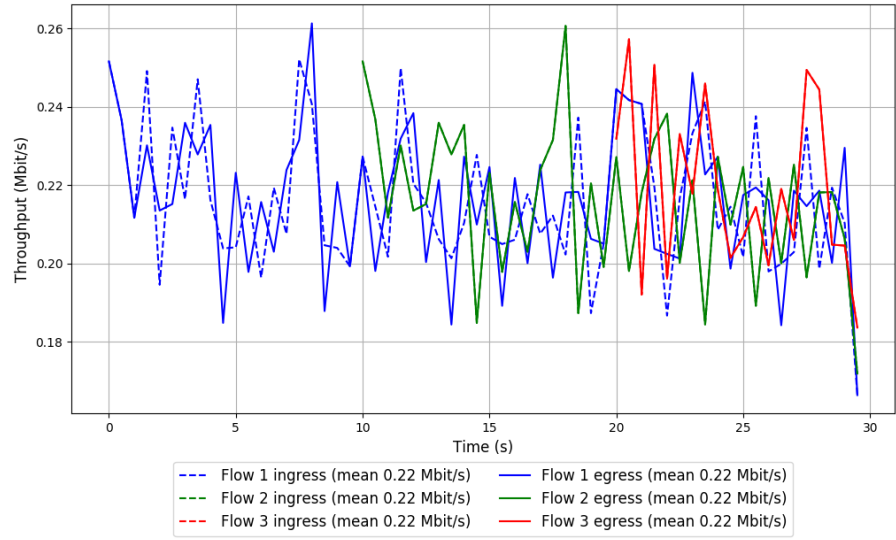


Run 5: Statistics of SReAM

Start at: 2018-03-27 15:40:10
End at: 2018-03-27 15:40:40
Local clock offset: -6.943 ms
Remote clock offset: -6.794 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.432 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.426 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

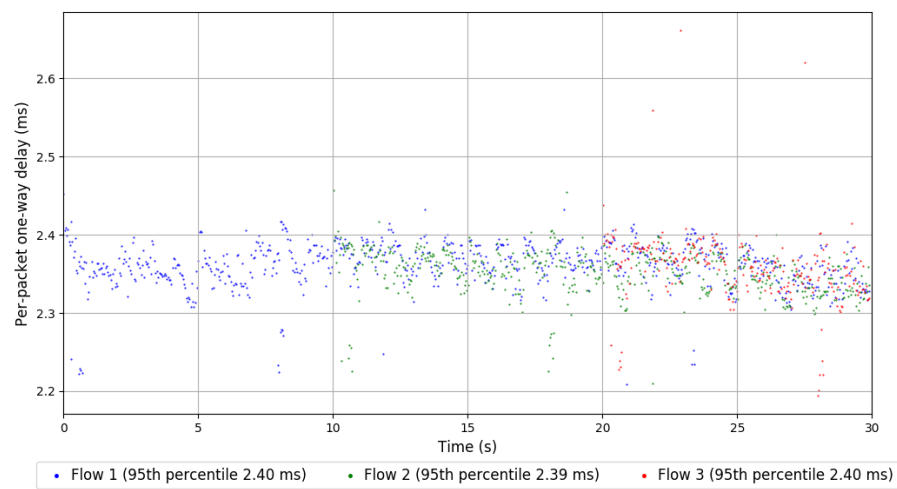
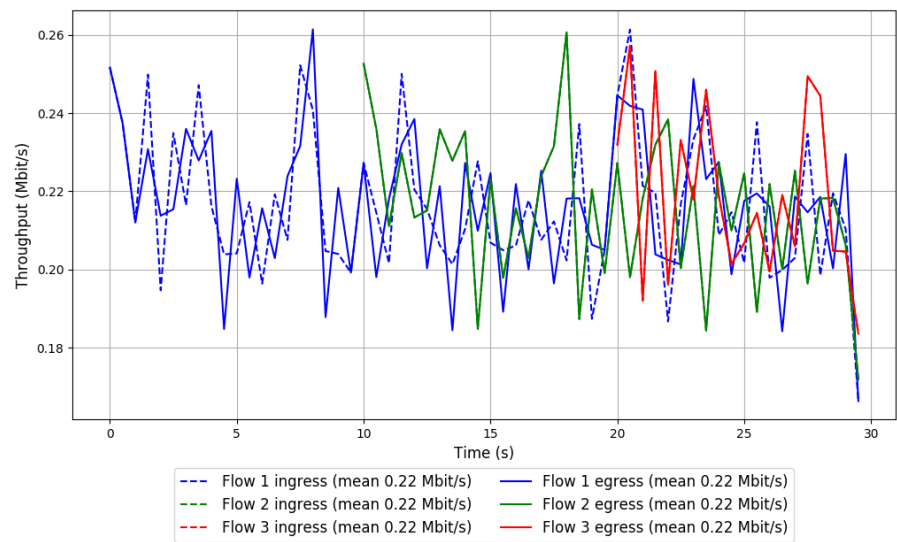


Run 6: Statistics of SReAM

Start at: 2018-03-27 16:00:35
End at: 2018-03-27 16:01:05
Local clock offset: -6.753 ms
Remote clock offset: -7.416 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.399 ms
Loss rate: 0.00%
-- 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: 2.400 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

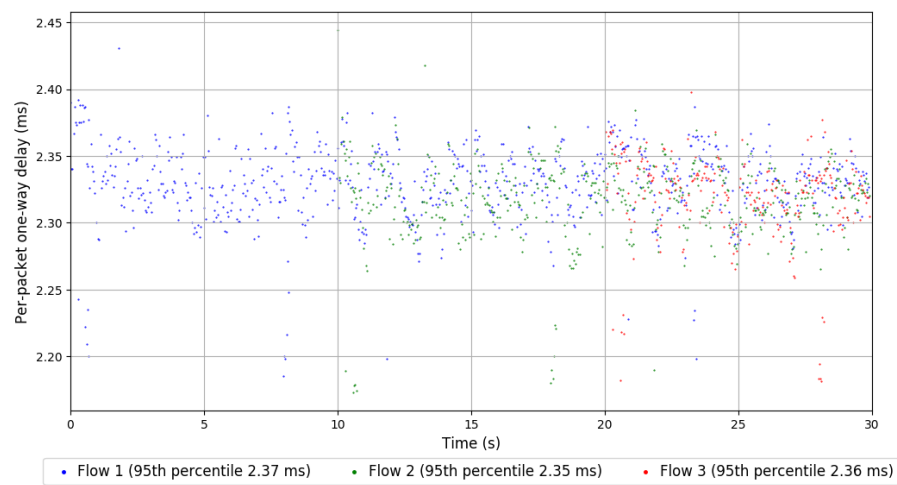
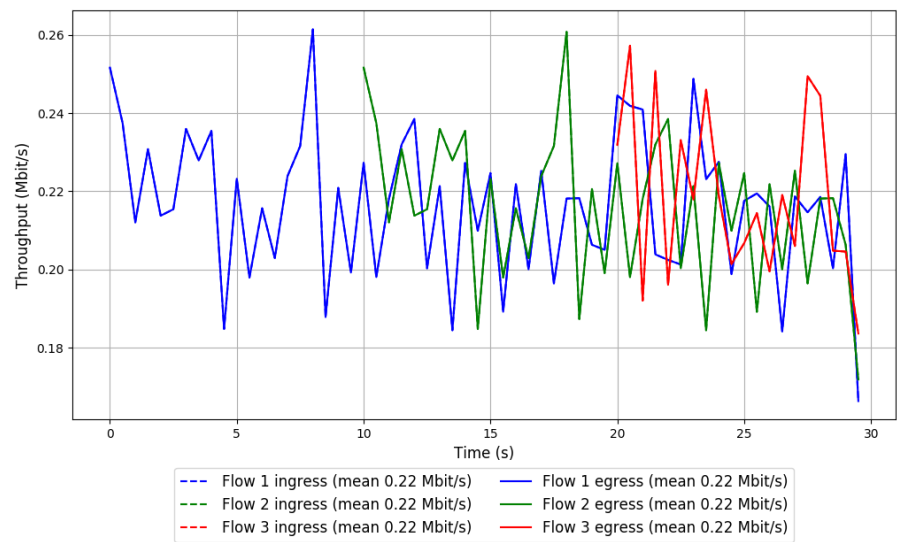


Run 7: Statistics of SReAM

Start at: 2018-03-27 16:21:00
End at: 2018-03-27 16:21:30
Local clock offset: -5.945 ms
Remote clock offset: -7.706 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.354 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.360 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

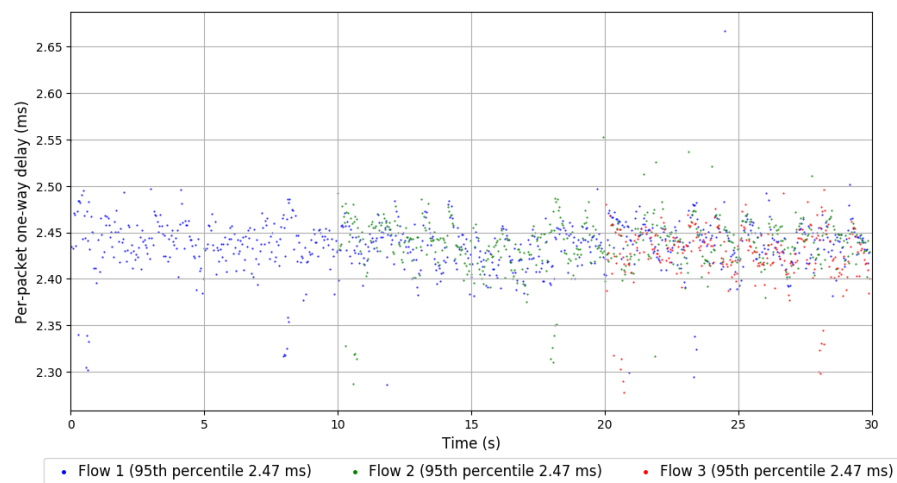
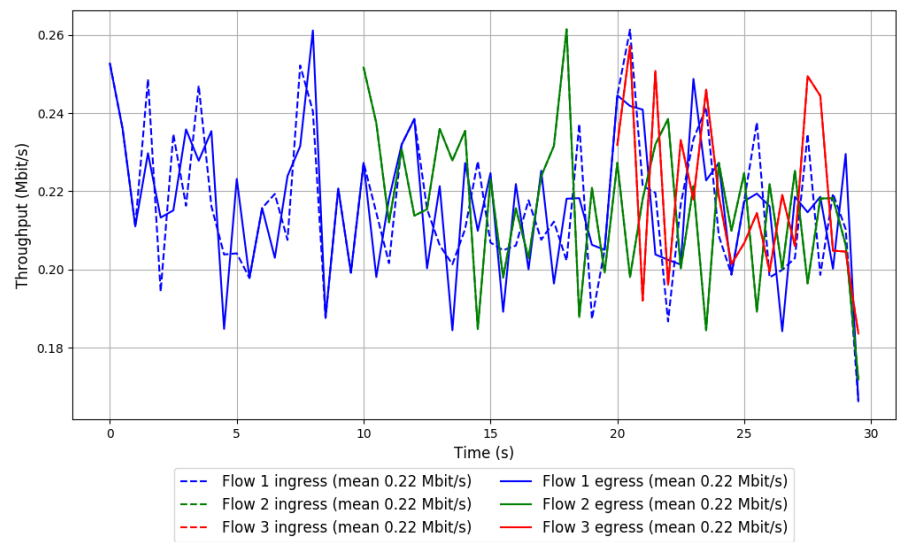


Run 8: Statistics of SReAM

Start at: 2018-03-27 16:41:25
End at: 2018-03-27 16:41:55
Local clock offset: -5.617 ms
Remote clock offset: -8.054 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

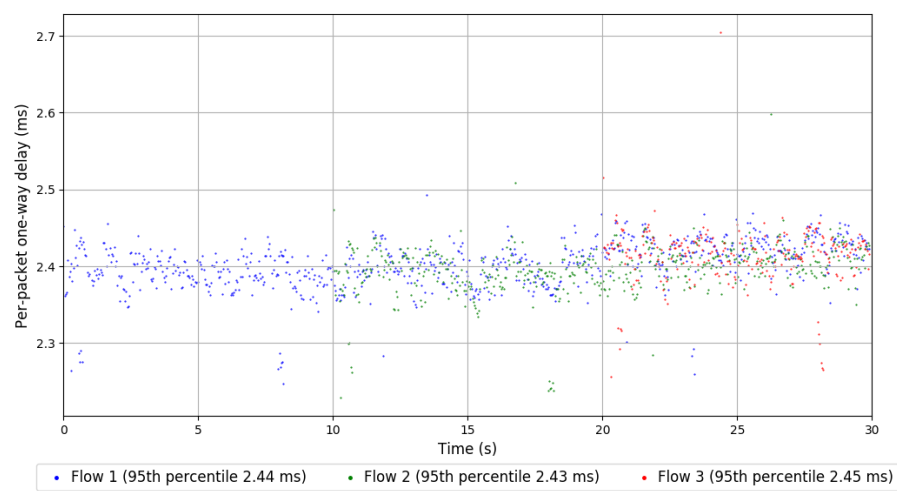
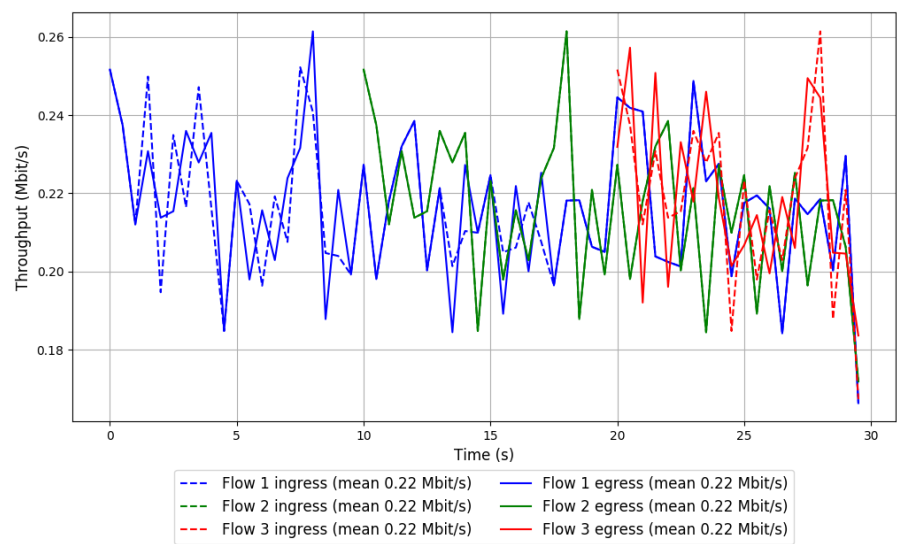


Run 9: Statistics of SReAM

Start at: 2018-03-27 17:01:52
End at: 2018-03-27 17:02:22
Local clock offset: -5.712 ms
Remote clock offset: -7.034 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.444 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.444 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.451 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

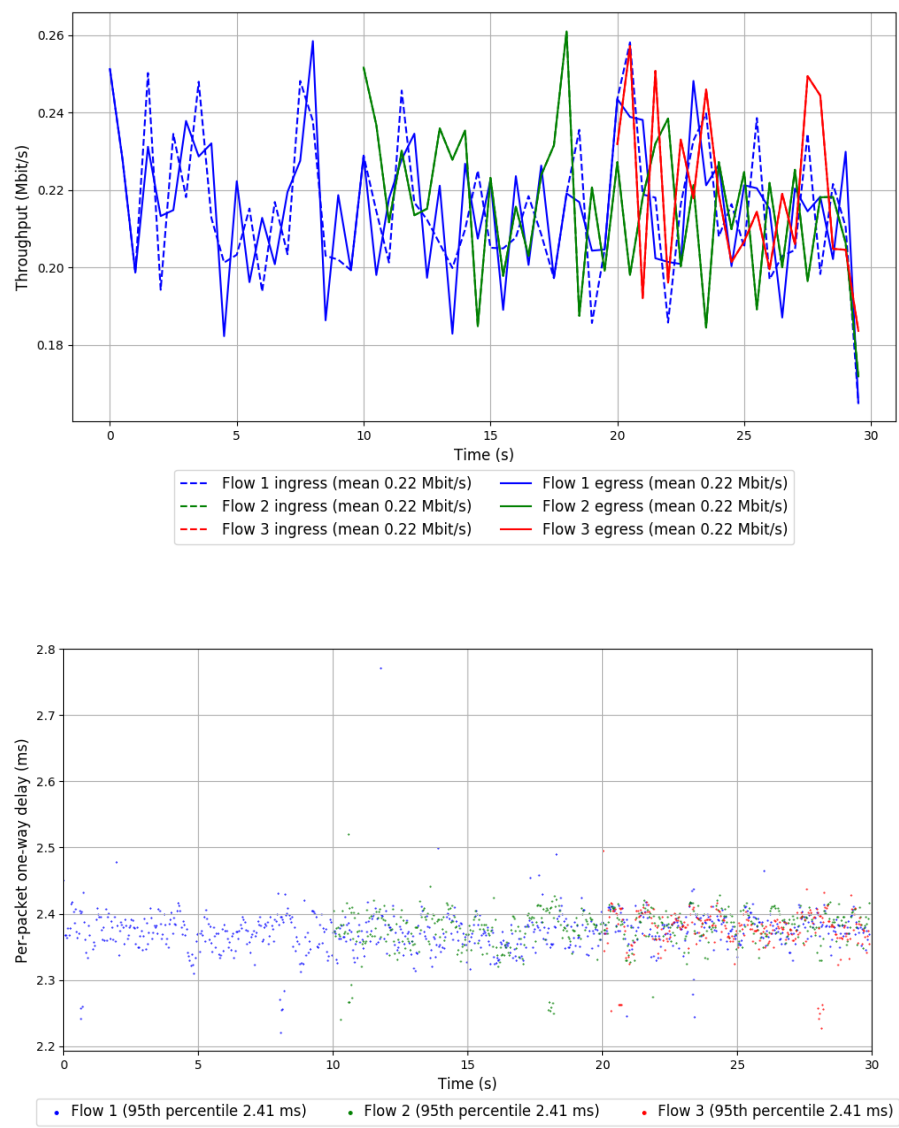


Run 10: Statistics of SReAM

Start at: 2018-03-27 17:22:17
End at: 2018-03-27 17:22:47
Local clock offset: -5.786 ms
Remote clock offset: -6.325 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

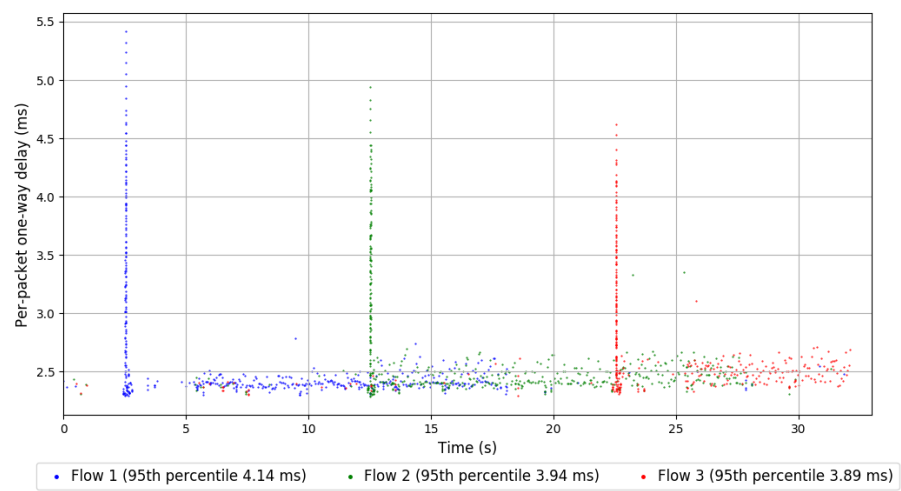
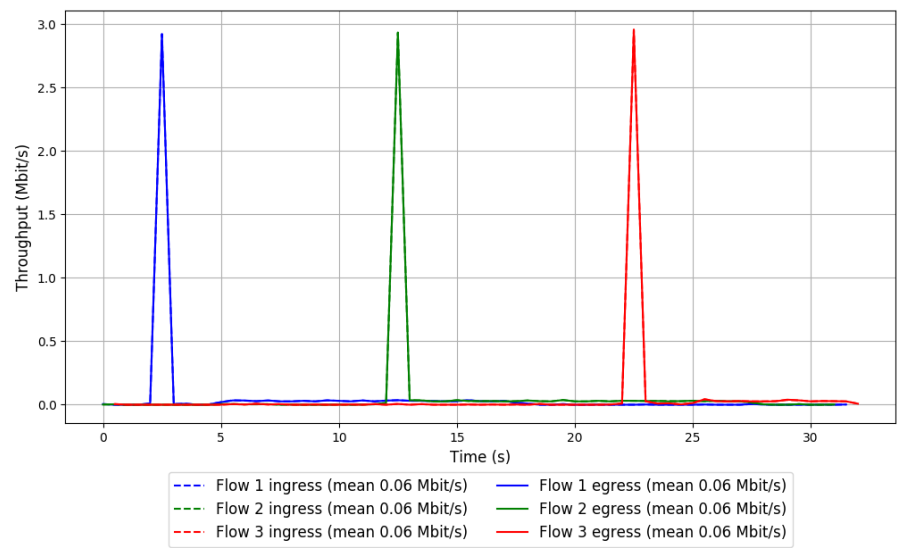


Run 1: Statistics of WebRTC media

Start at: 2018-03-27 14:26:15
End at: 2018-03-27 14:26:45
Local clock offset: -5.436 ms
Remote clock offset: -6.658 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 4.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.944 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.886 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-03-27 14:46:40

End at: 2018-03-27 14:47:10

Local clock offset: -5.795 ms

Remote clock offset: -6.56 ms

Below is generated by plot.py at 2018-03-27 21:14:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 4.106 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4.178 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 3.976 ms

Loss rate: 0.00%

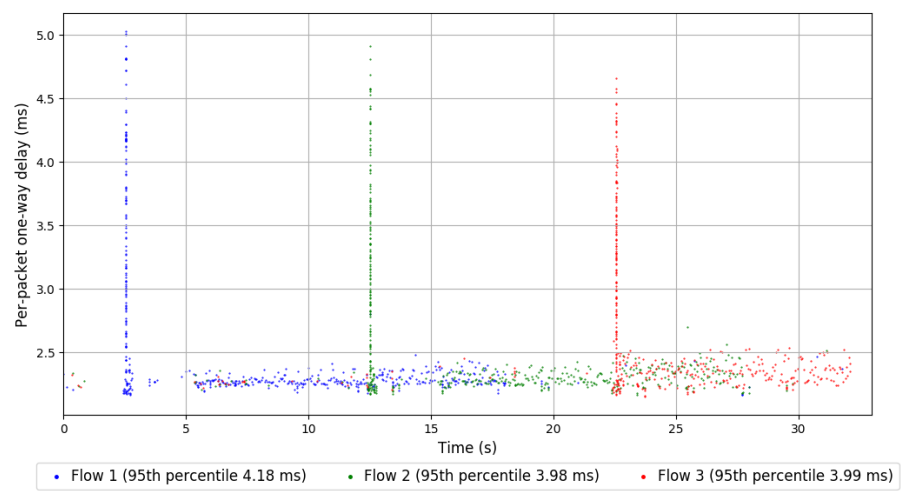
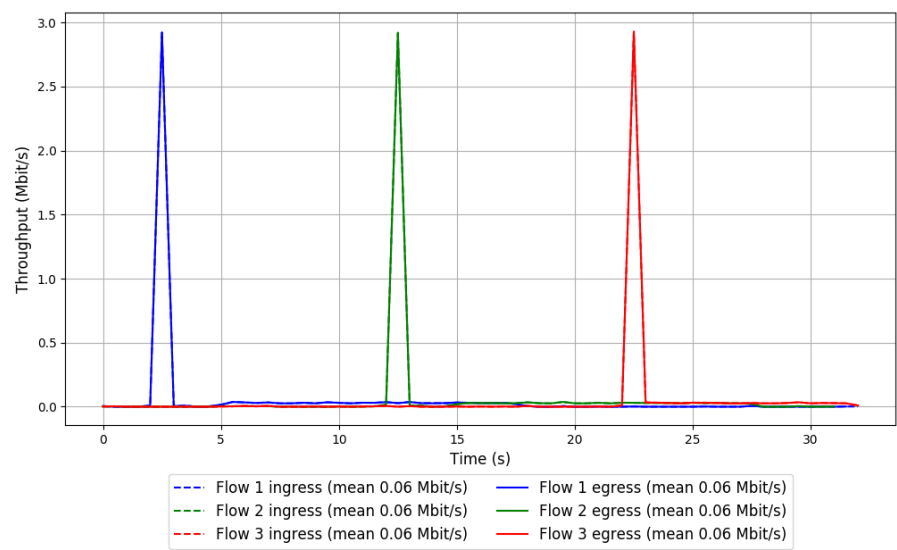
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 3.993 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

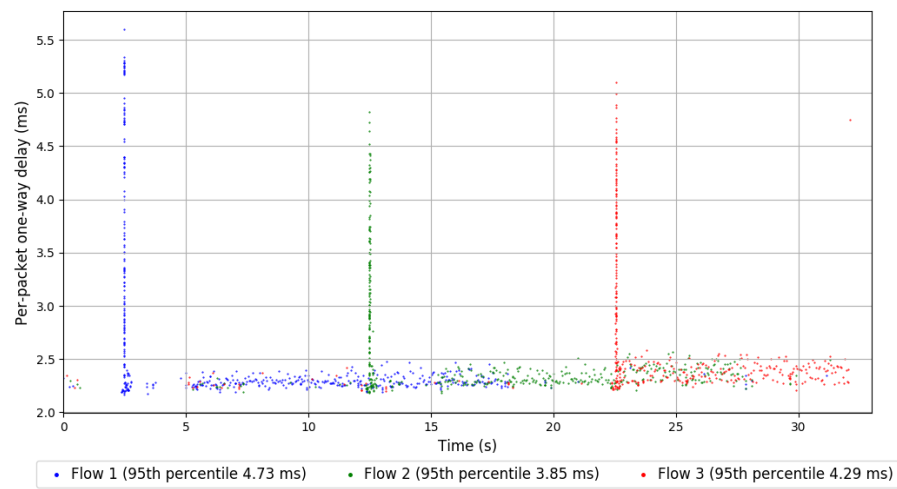
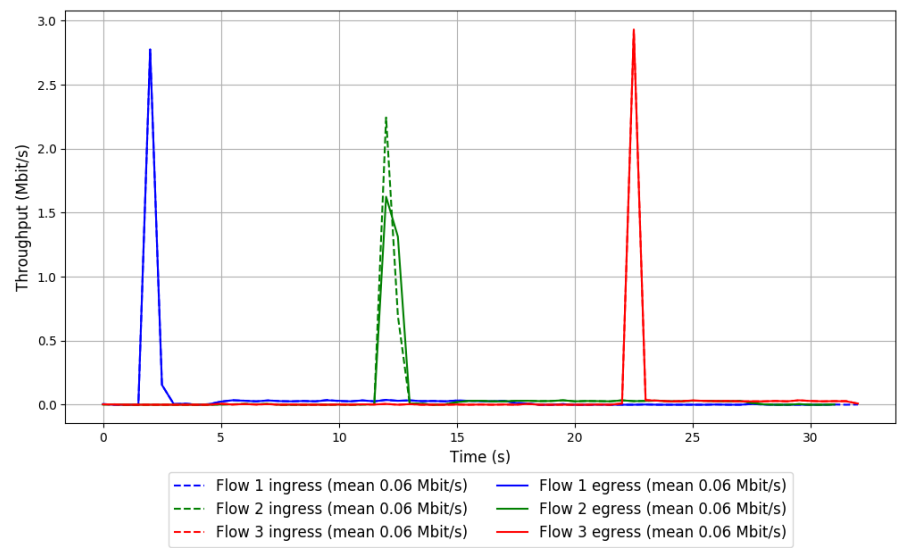


Run 3: Statistics of WebRTC media

Start at: 2018-03-27 15:07:07
End at: 2018-03-27 15:07:37
Local clock offset: -6.522 ms
Remote clock offset: -6.397 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 4.304 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.734 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.285 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-27 15:27:35

End at: 2018-03-27 15:28:05

Local clock offset: -7.114 ms

Remote clock offset: -6.7 ms

Below is generated by plot.py at 2018-03-27 21:14:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 3.586 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 3.616 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4.000 ms

Loss rate: 0.00%

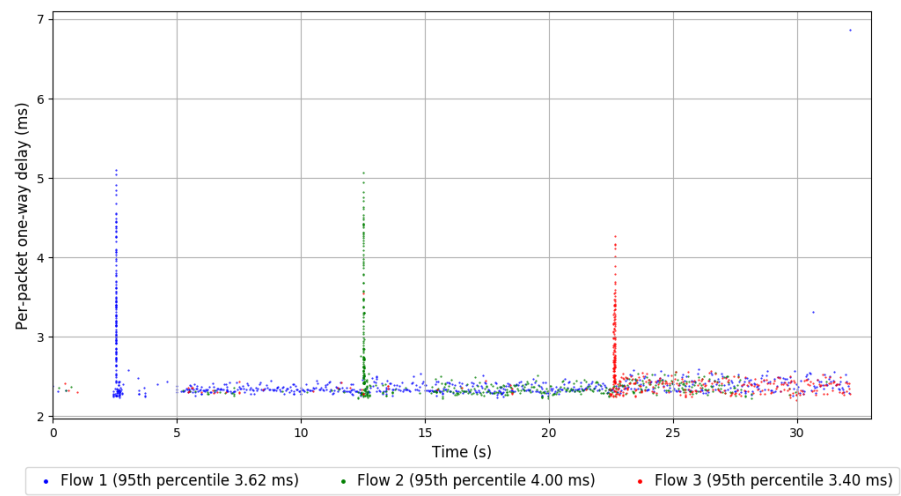
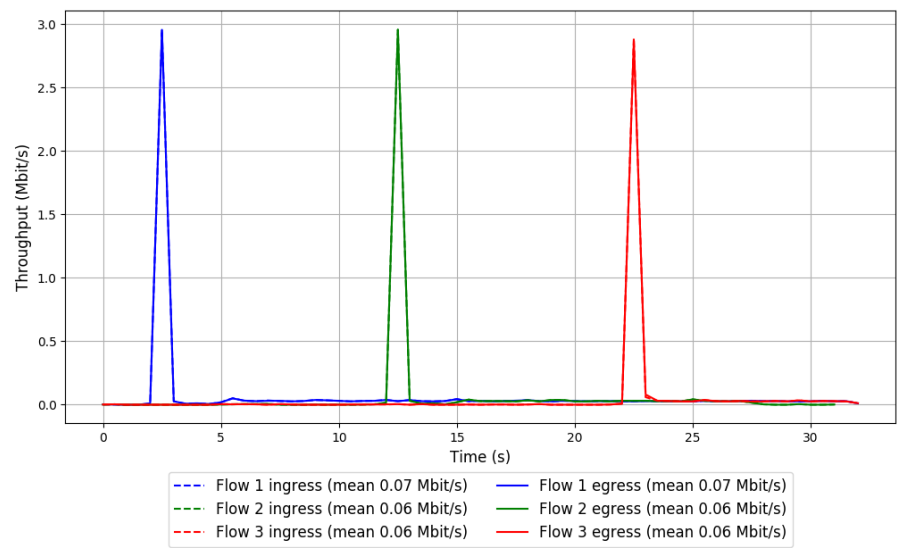
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 3.396 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

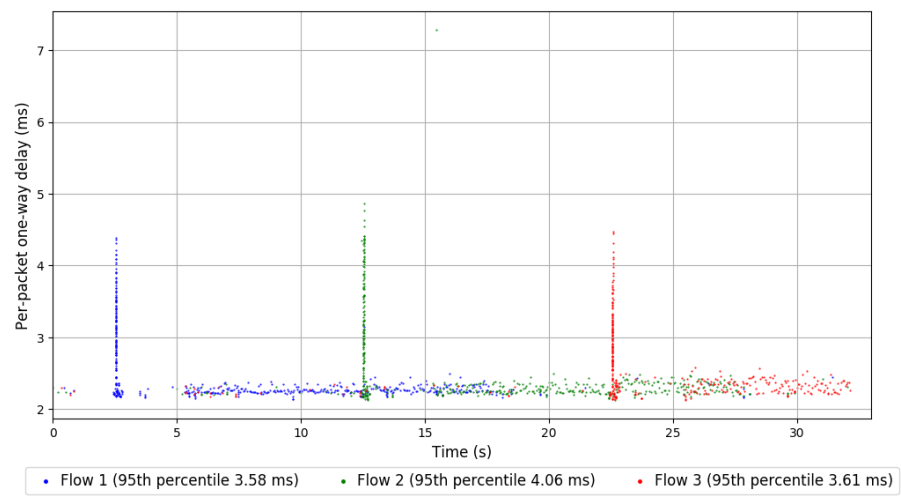
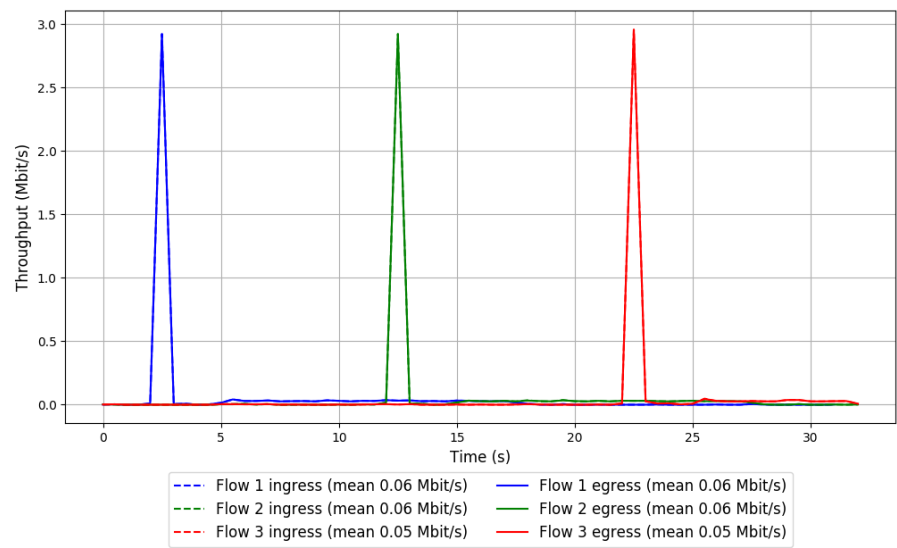


Run 5: Statistics of WebRTC media

Start at: 2018-03-27 15:48:00
End at: 2018-03-27 15:48:30
Local clock offset: -6.784 ms
Remote clock offset: -6.985 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 3.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.584 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.607 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

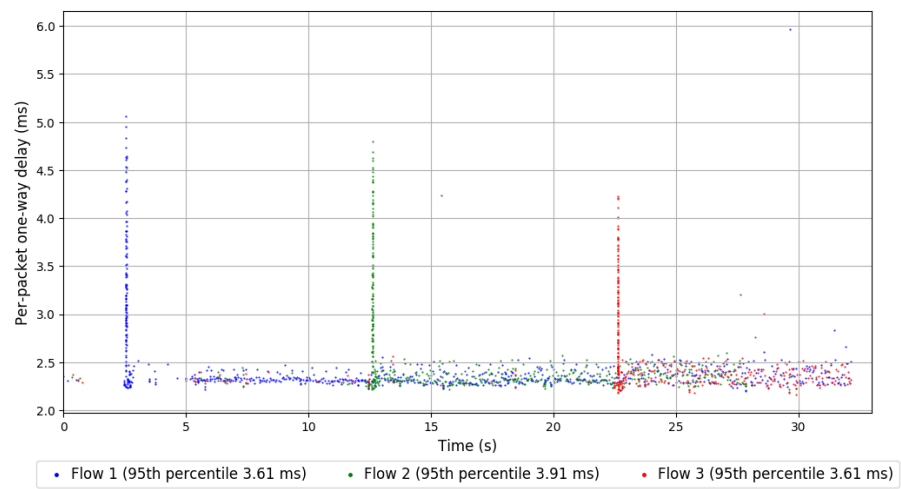
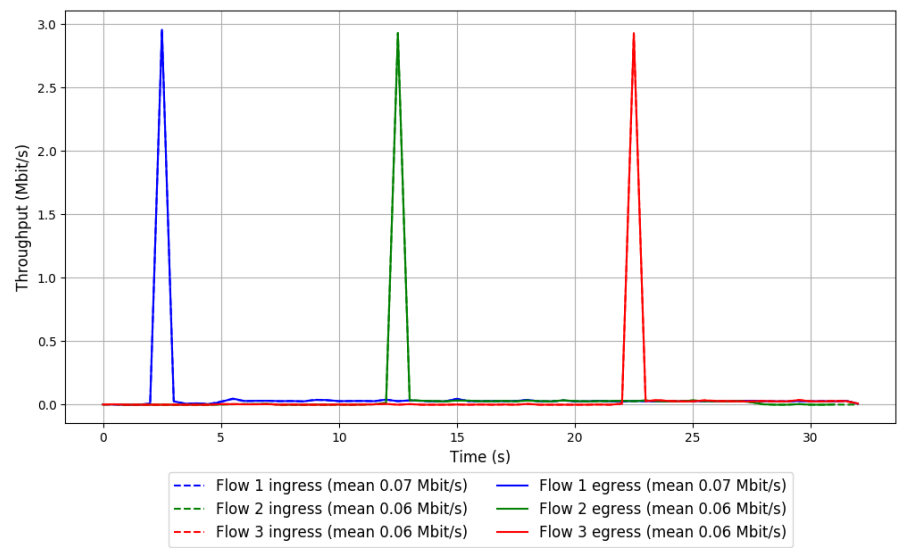


Run 6: Statistics of WebRTC media

Start at: 2018-03-27 16:08:25
End at: 2018-03-27 16:08:55
Local clock offset: -6.633 ms
Remote clock offset: -7.607 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 3.732 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.913 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.609 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

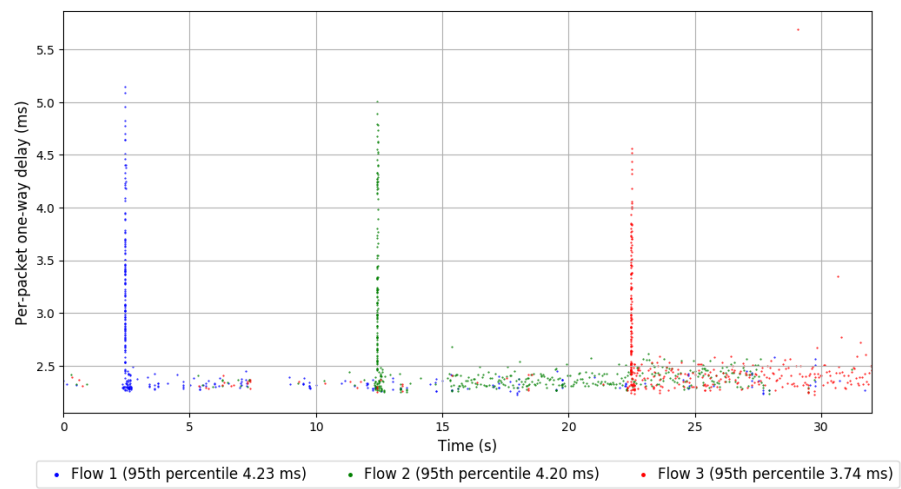
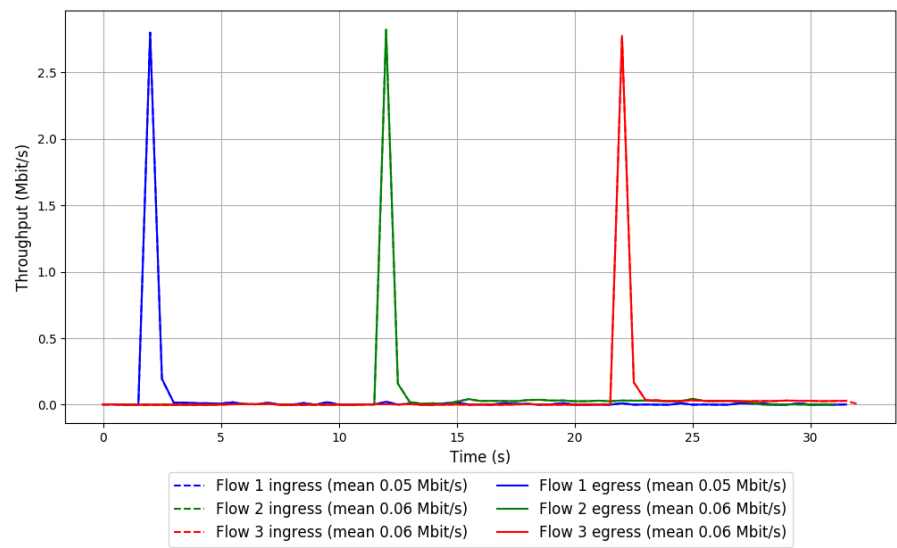


Run 7: Statistics of WebRTC media

Start at: 2018-03-27 16:28:50
End at: 2018-03-27 16:29:20
Local clock offset: -5.799 ms
Remote clock offset: -7.906 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 4.042 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.230 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.738 ms
Loss rate: 0.11%

Run 7: Report of WebRTC media — Data Link

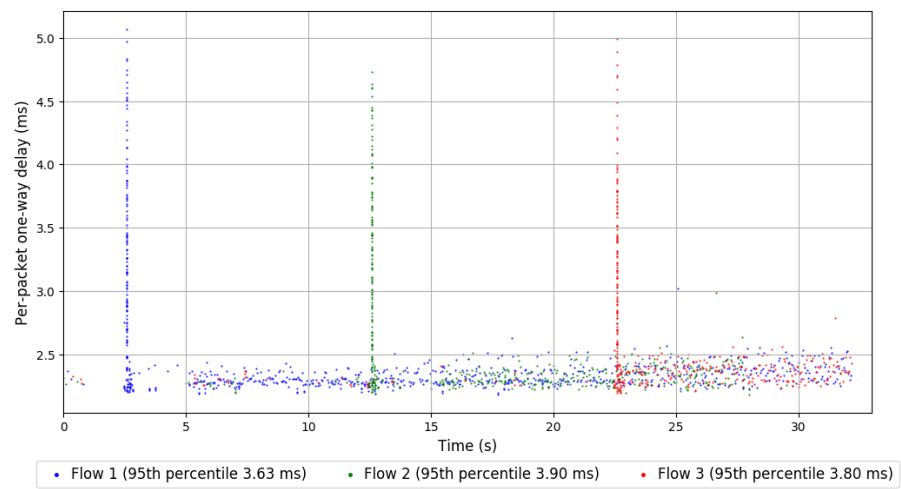
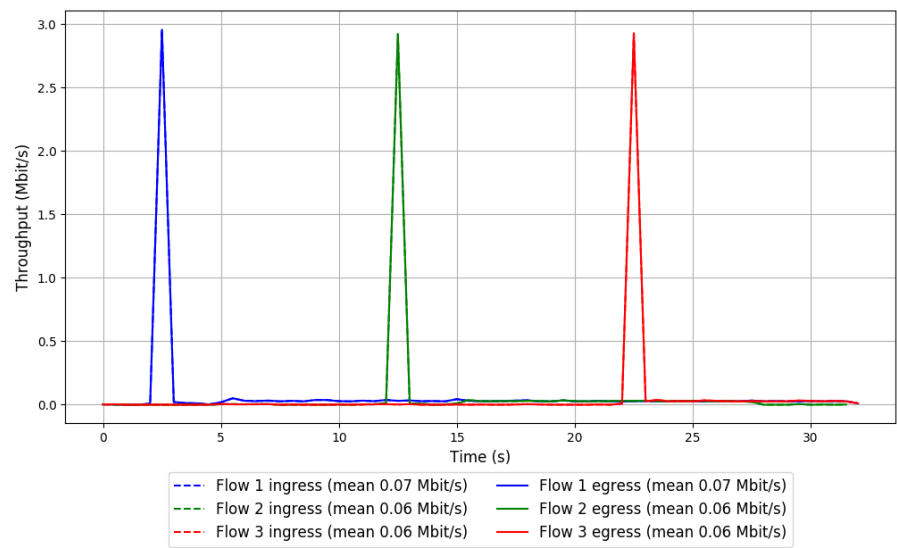


Run 8: Statistics of WebRTC media

Start at: 2018-03-27 16:49:17
End at: 2018-03-27 16:49:47
Local clock offset: -5.704 ms
Remote clock offset: -8.119 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 3.782 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.635 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.895 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.800 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

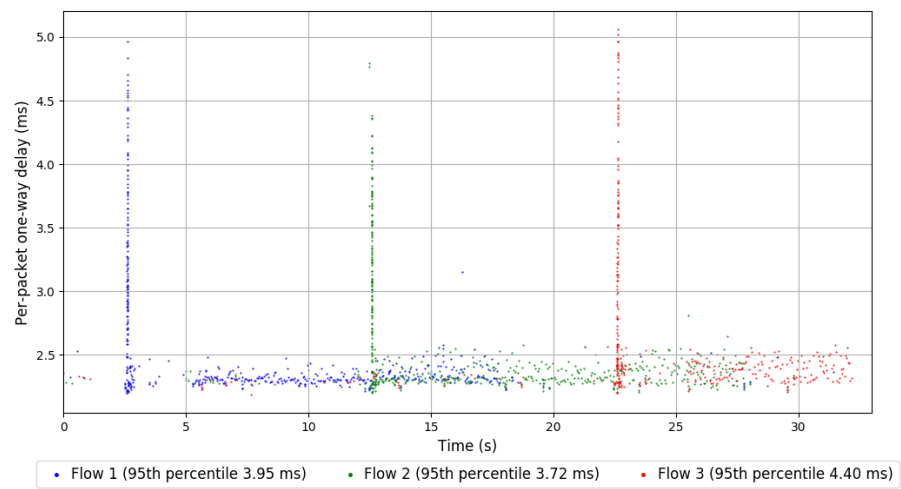
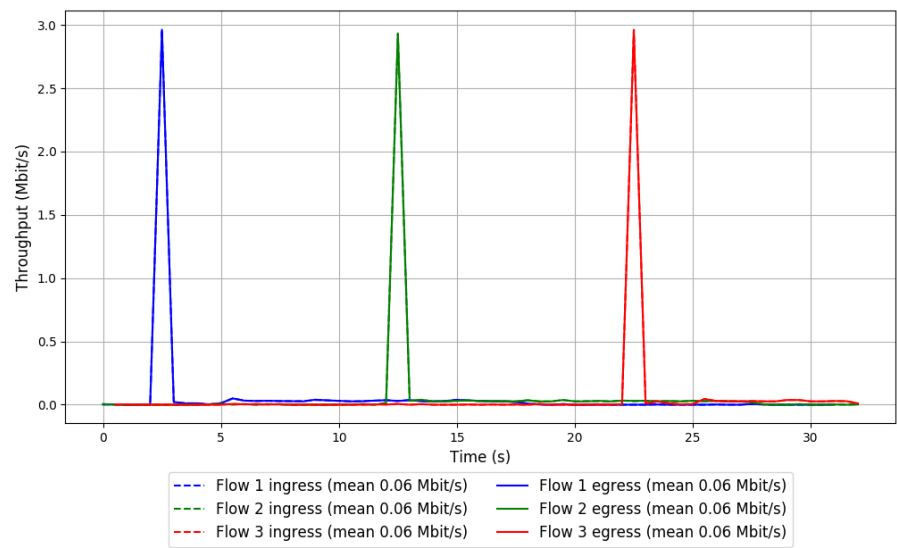


Run 9: Statistics of WebRTC media

Start at: 2018-03-27 17:09:44
End at: 2018-03-27 17:10:14
Local clock offset: -5.702 ms
Remote clock offset: -6.655 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 3.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.404 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

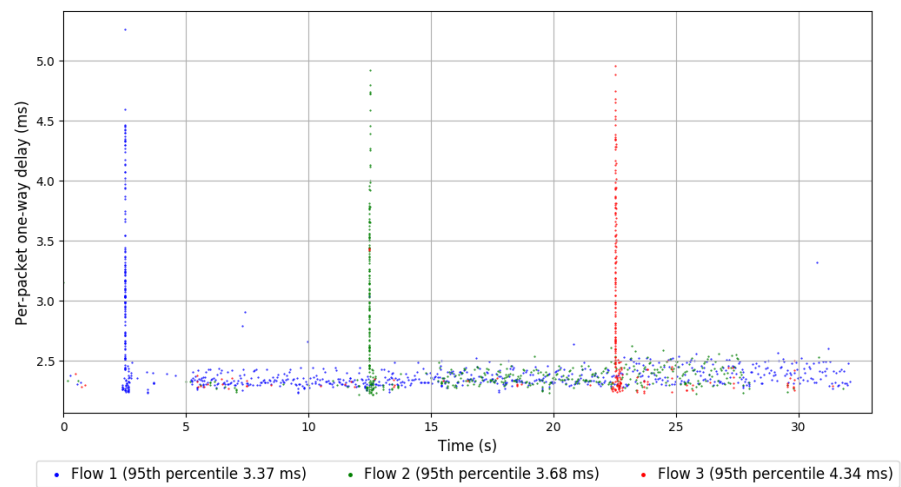
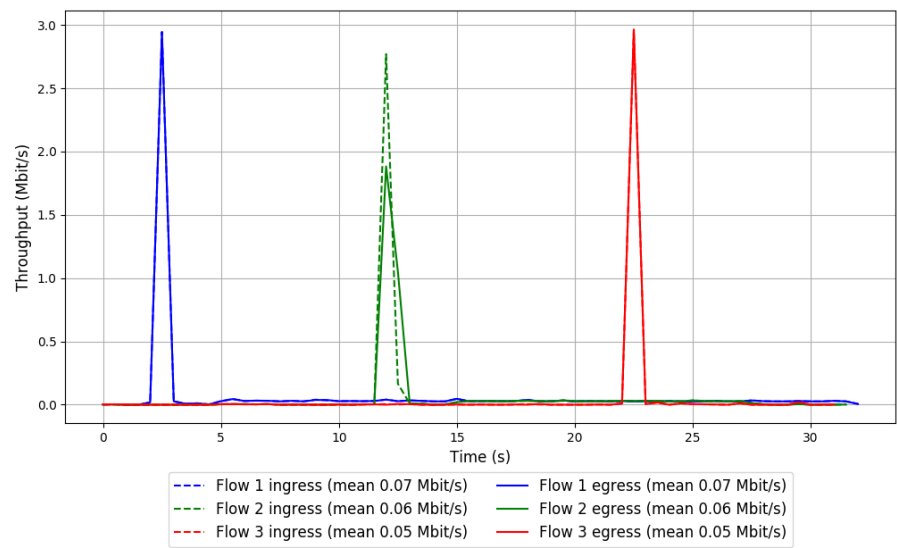


Run 10: Statistics of WebRTC media

Start at: 2018-03-27 17:30:10
End at: 2018-03-27 17:30:40
Local clock offset: -5.823 ms
Remote clock offset: -6.438 ms

Below is generated by plot.py at 2018-03-27 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 3.853 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.370 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.681 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.341 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-03-27 14:19:28

End at: 2018-03-27 14:19:58

Local clock offset: -5.496 ms

Remote clock offset: -6.69 ms

Below is generated by plot.py at 2018-03-27 21:15:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.07 Mbit/s

95th percentile per-packet one-way delay: 19.284 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 41.18 Mbit/s

95th percentile per-packet one-way delay: 18.942 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 41.54 Mbit/s

95th percentile per-packet one-way delay: 18.605 ms

Loss rate: 0.06%

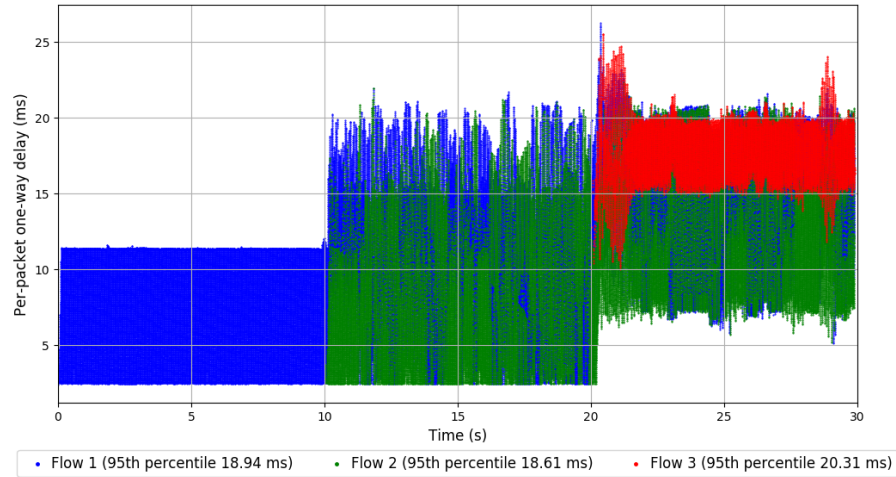
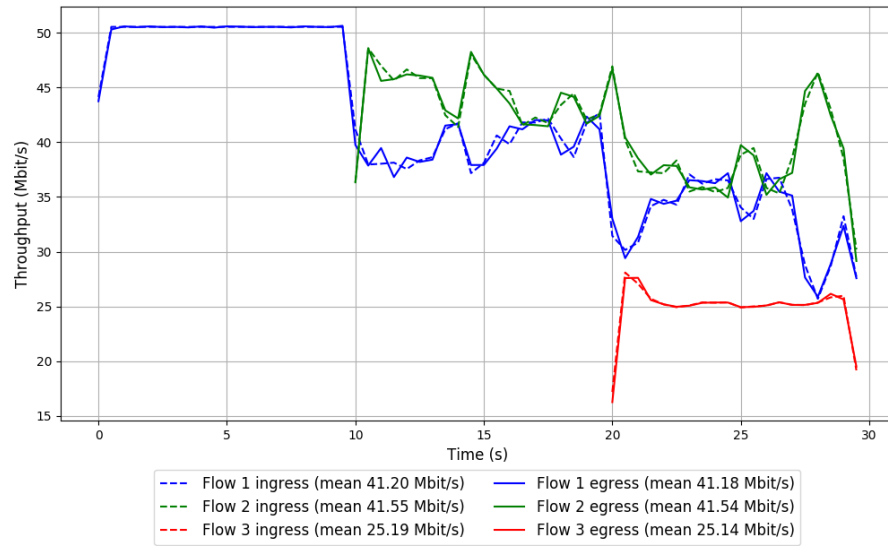
-- Flow 3:

Average throughput: 25.14 Mbit/s

95th percentile per-packet one-way delay: 20.307 ms

Loss rate: 0.14%

Run 1: Report of Sprout — Data Link

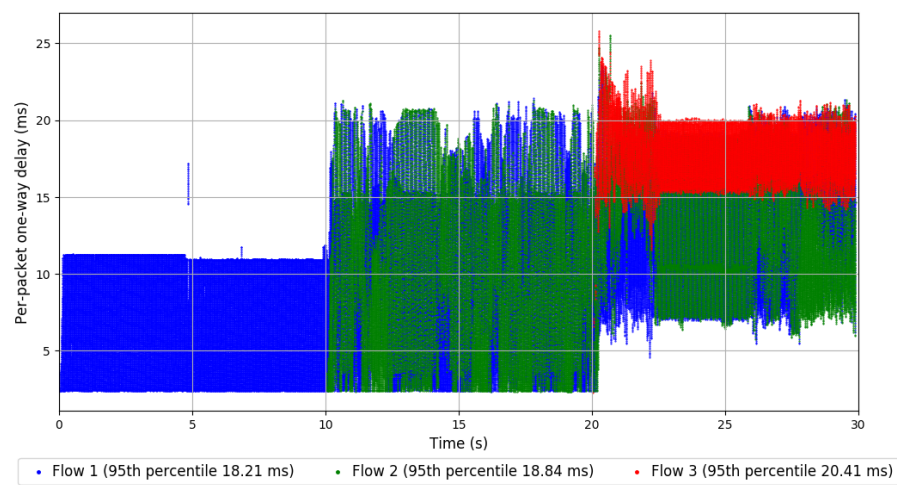
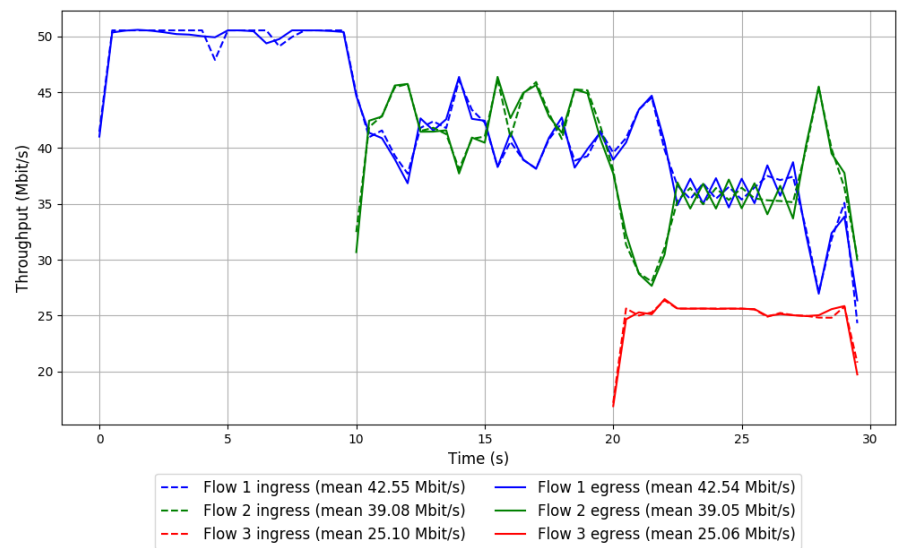


Run 2: Statistics of Sprout

Start at: 2018-03-27 14:39:52
End at: 2018-03-27 14:40:22
Local clock offset: -5.766 ms
Remote clock offset: -6.509 ms

```
# Below is generated by plot.py at 2018-03-27 21:15:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.76 Mbit/s
95th percentile per-packet one-way delay: 19.163 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 18.206 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 18.841 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 20.412 ms
Loss rate: 0.22%
```

Run 2: Report of Sprout — Data Link

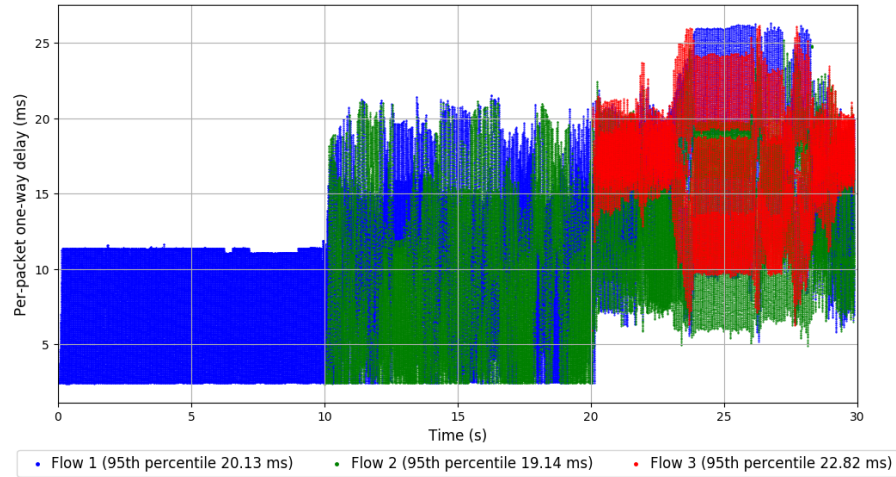
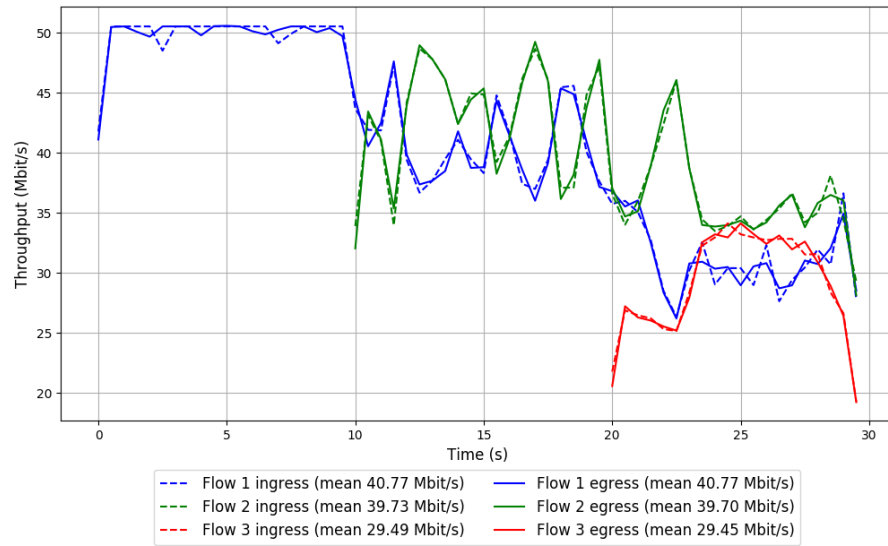


Run 3: Statistics of Sprout

Start at: 2018-03-27 15:00:19
End at: 2018-03-27 15:00:49
Local clock offset: -5.873 ms
Remote clock offset: -6.481 ms

```
# Below is generated by plot.py at 2018-03-27 21:15:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.88 Mbit/s
95th percentile per-packet one-way delay: 20.317 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 20.126 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 22.819 ms
Loss rate: 0.18%
```


Run 3: Report of Sprout — Data Link

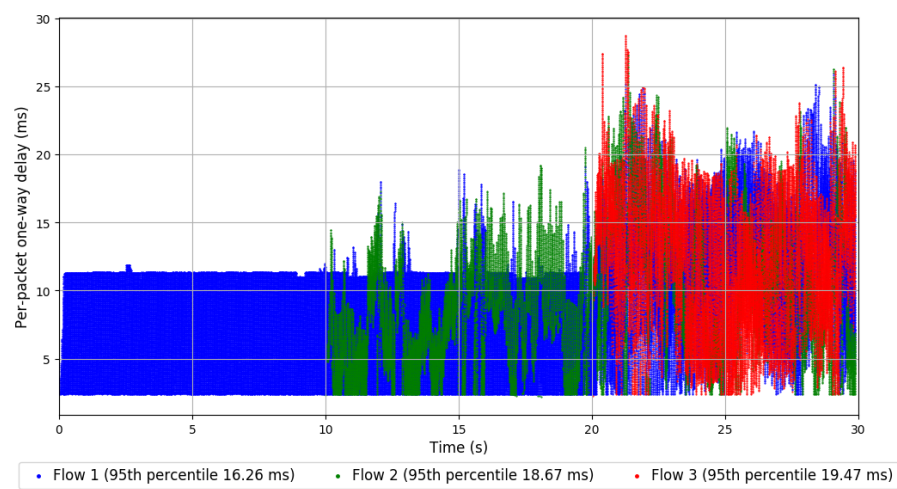
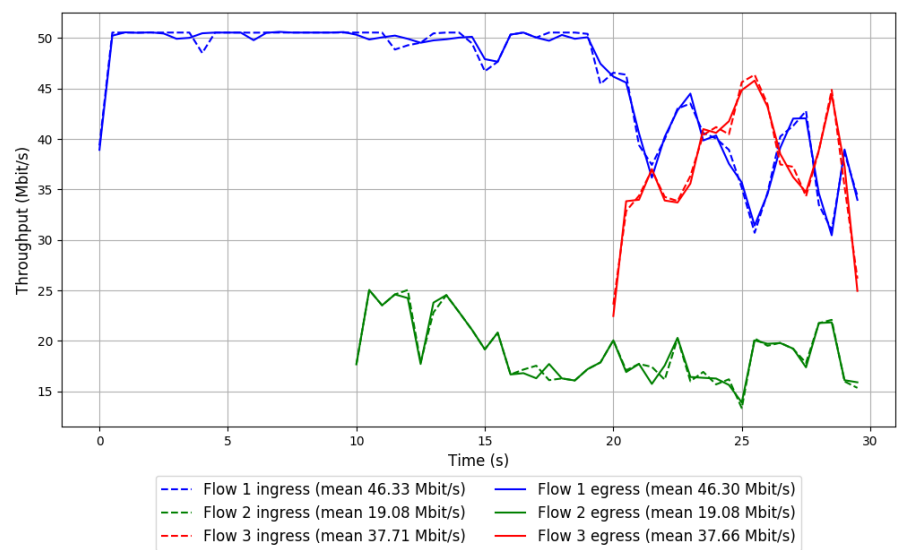


Run 4: Statistics of Sprout

Start at: 2018-03-27 15:20:46
End at: 2018-03-27 15:21:16
Local clock offset: -7.017 ms
Remote clock offset: -6.632 ms

```
# Below is generated by plot.py at 2018-03-27 21:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.42 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 16.263 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 18.669 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 19.473 ms
Loss rate: 0.16%
```

Run 4: Report of Sprout — Data Link

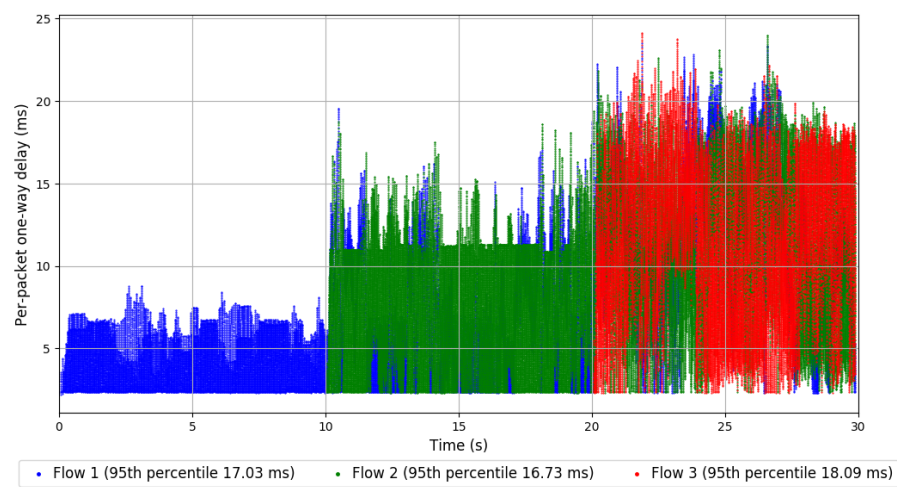
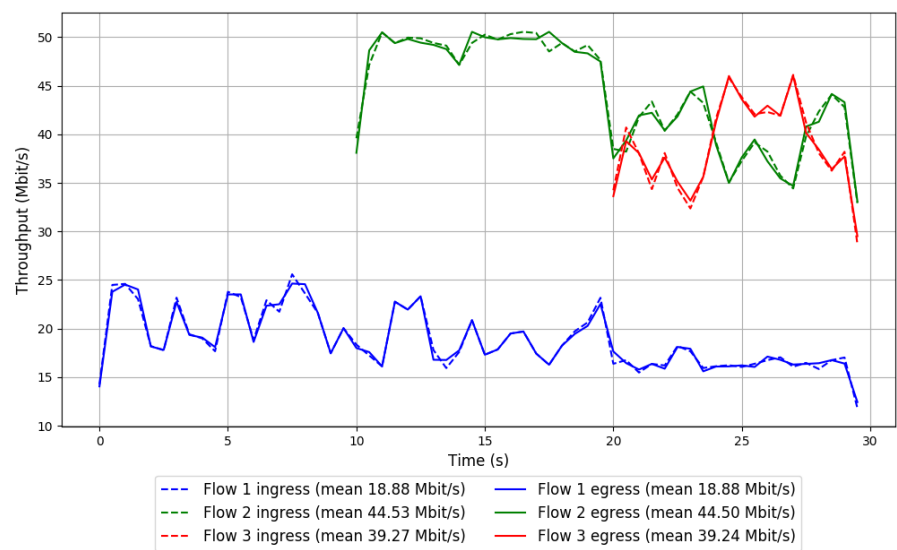


Run 5: Statistics of Sprout

Start at: 2018-03-27 15:41:14
End at: 2018-03-27 15:41:44
Local clock offset: -6.905 ms
Remote clock offset: -6.733 ms

```
# Below is generated by plot.py at 2018-03-27 21:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 17.273 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 18.88 Mbit/s
95th percentile per-packet one-way delay: 17.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.50 Mbit/s
95th percentile per-packet one-way delay: 16.727 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 18.092 ms
Loss rate: 0.04%
```

Run 5: Report of Sprout — Data Link

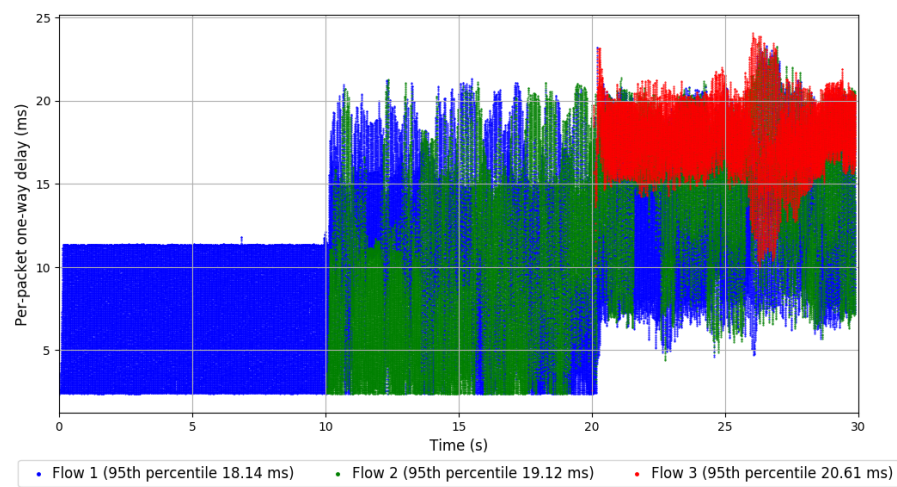
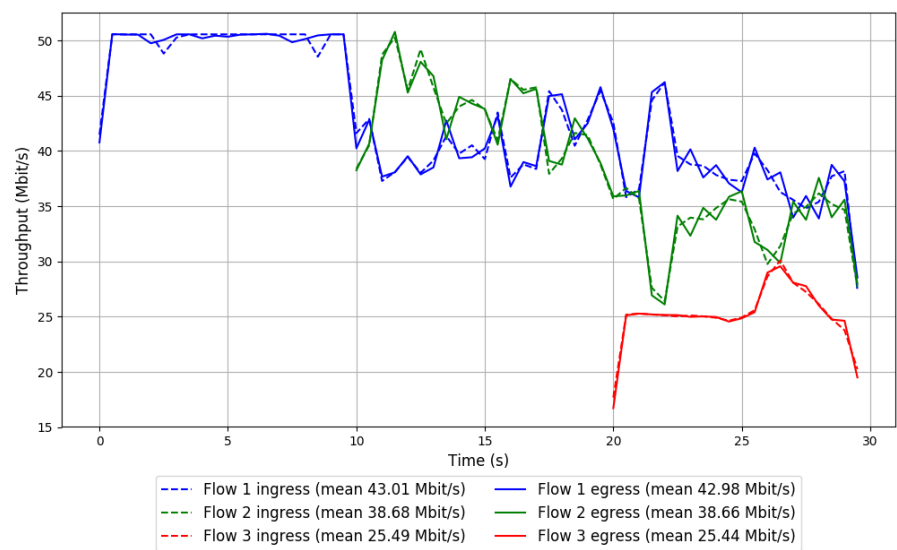


Run 6: Statistics of Sprout

Start at: 2018-03-27 16:01:39
End at: 2018-03-27 16:02:09
Local clock offset: -6.711 ms
Remote clock offset: -7.407 ms

Below is generated by plot.py at 2018-03-27 21:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 19.302 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 42.98 Mbit/s
95th percentile per-packet one-way delay: 18.145 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 25.44 Mbit/s
95th percentile per-packet one-way delay: 20.607 ms
Loss rate: 0.20%

Run 6: Report of Sprout — Data Link

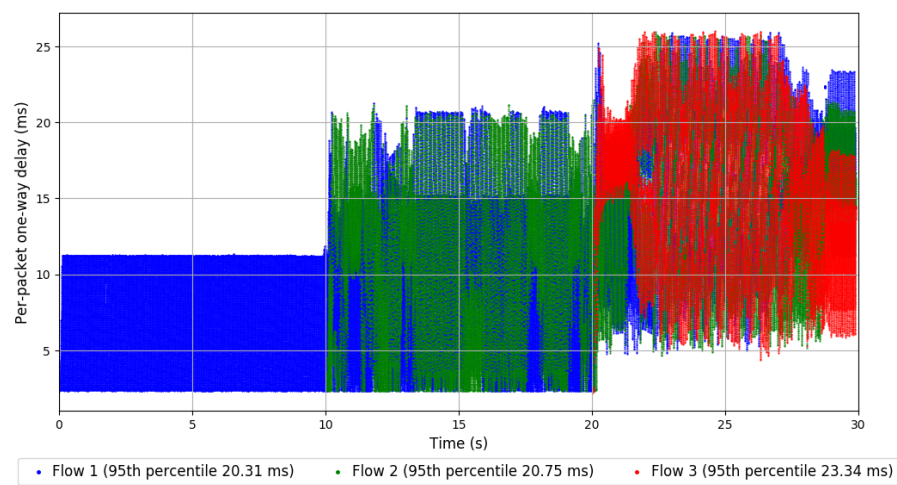
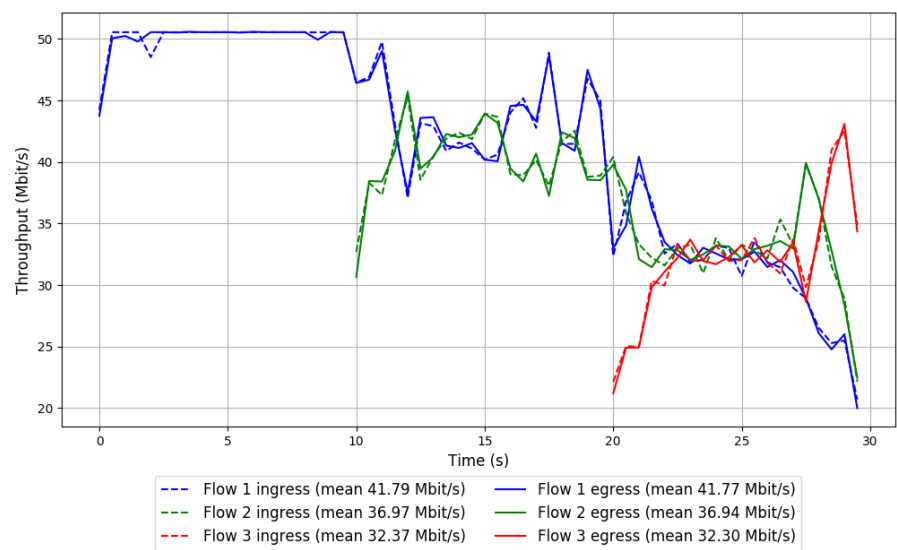


Run 7: Statistics of Sprout

Start at: 2018-03-27 16:22:04
End at: 2018-03-27 16:22:34
Local clock offset: -5.944 ms
Remote clock offset: -7.728 ms

```
# Below is generated by plot.py at 2018-03-27 21:15:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.97 Mbit/s
95th percentile per-packet one-way delay: 21.191 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 41.77 Mbit/s
95th percentile per-packet one-way delay: 20.306 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.94 Mbit/s
95th percentile per-packet one-way delay: 20.749 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 23.336 ms
Loss rate: 0.29%
```


Run 7: Report of Sprout — Data Link

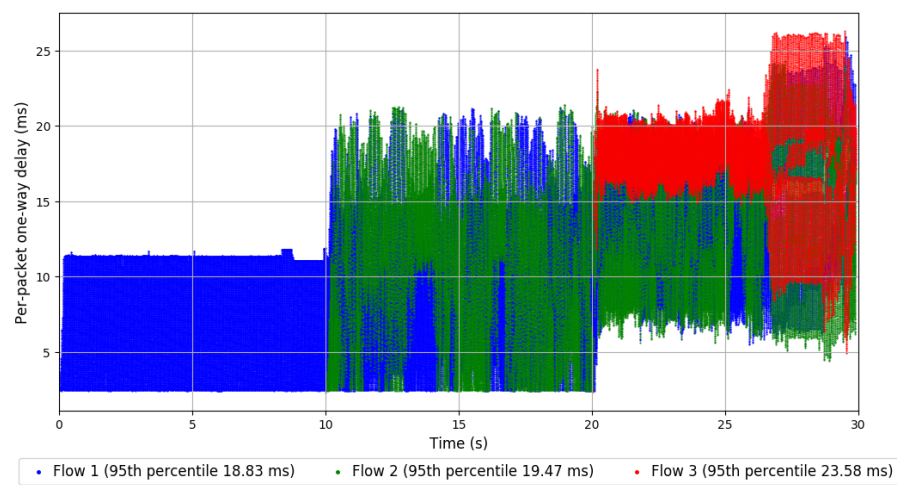
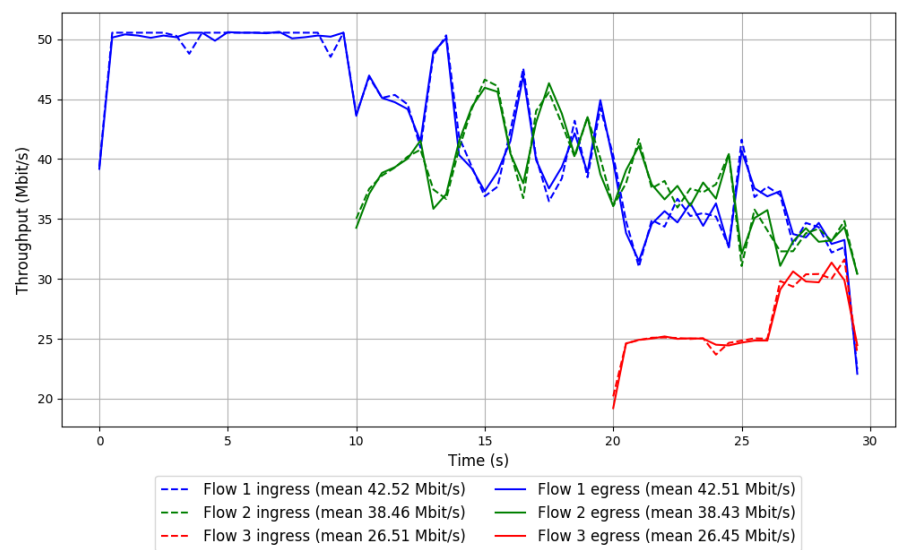


Run 8: Statistics of Sprout

Start at: 2018-03-27 16:42:29
End at: 2018-03-27 16:42:59
Local clock offset: -5.623 ms
Remote clock offset: -8.06 ms

```
# Below is generated by plot.py at 2018-03-27 21:15:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 19.952 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 19.466 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 23.582 ms
Loss rate: 0.25%
```

Run 8: Report of Sprout — Data Link

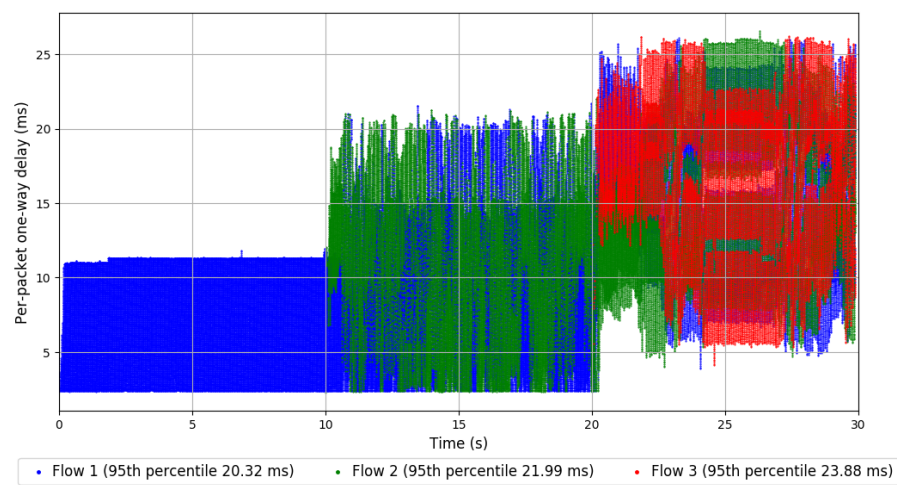
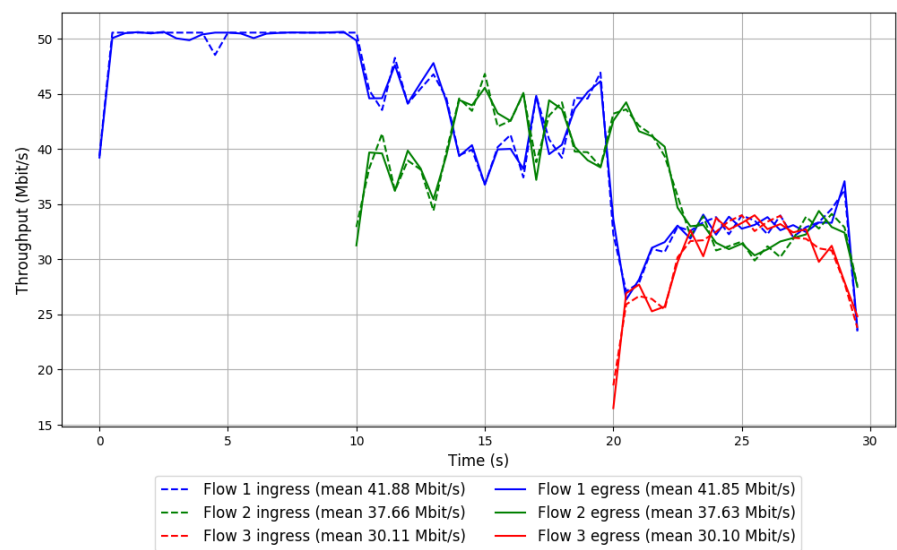


Run 9: Statistics of Sprout

Start at: 2018-03-27 17:02:56
End at: 2018-03-27 17:03:26
Local clock offset: -5.735 ms
Remote clock offset: -6.957 ms

Below is generated by plot.py at 2018-03-27 21:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 21.860 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 20.323 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 21.988 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 23.881 ms
Loss rate: 0.05%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-03-27 17:23:21

End at: 2018-03-27 17:23:51

Local clock offset: -5.868 ms

Remote clock offset: -6.38 ms

Below is generated by plot.py at 2018-03-27 21:16:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.90 Mbit/s

95th percentile per-packet one-way delay: 19.649 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 42.48 Mbit/s

95th percentile per-packet one-way delay: 19.059 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 38.84 Mbit/s

95th percentile per-packet one-way delay: 19.253 ms

Loss rate: 0.09%

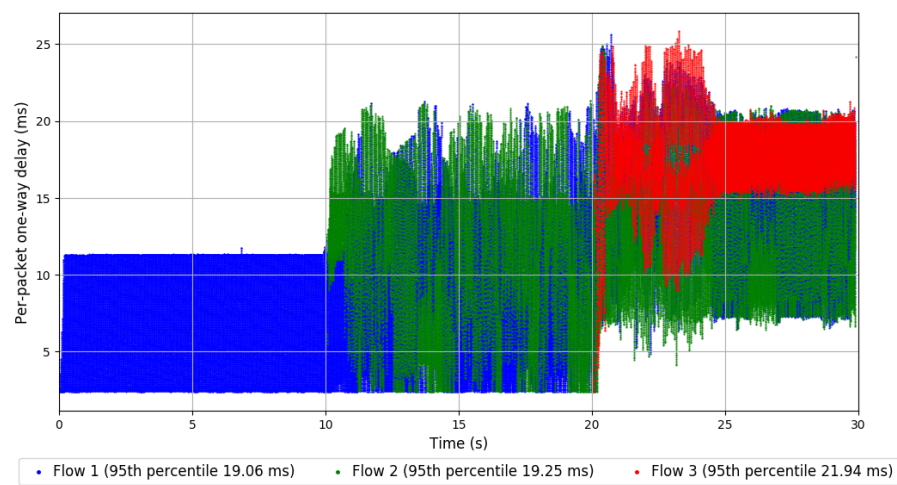
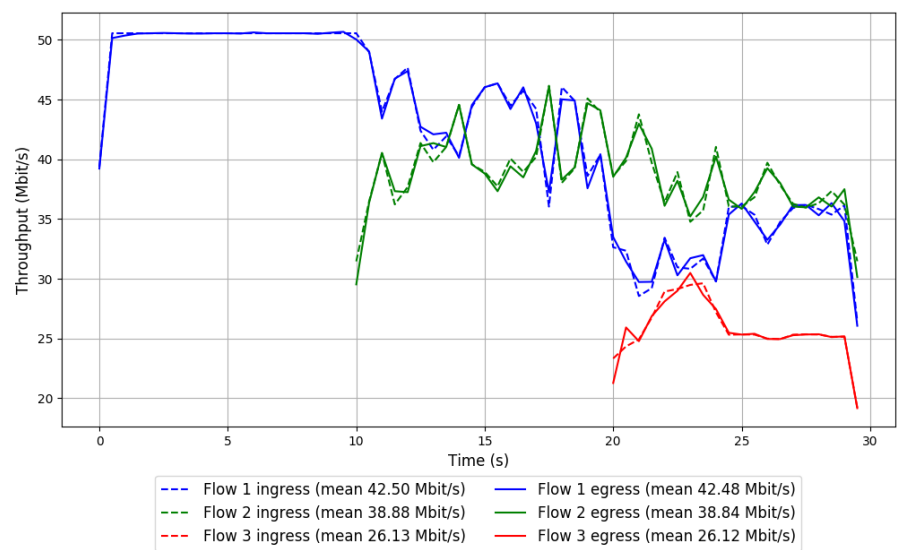
-- Flow 3:

Average throughput: 26.12 Mbit/s

95th percentile per-packet one-way delay: 21.938 ms

Loss rate: 0.20%

Run 10: Report of Sprout — Data Link

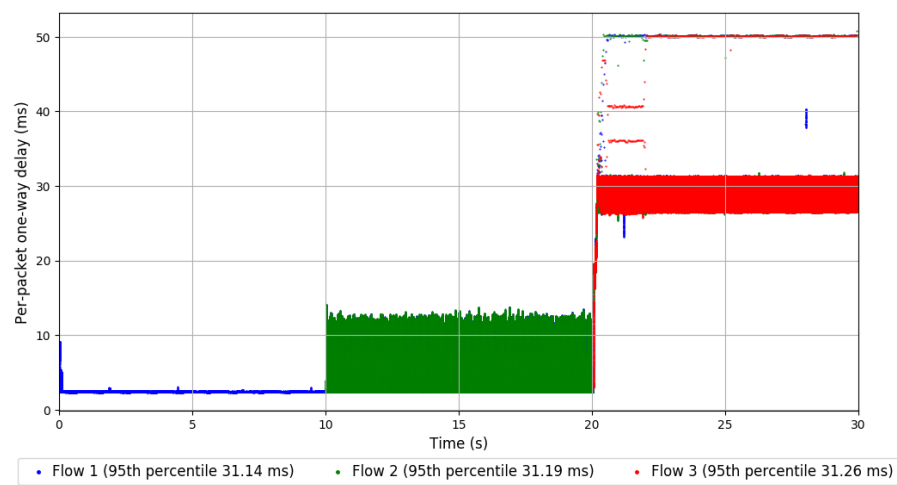
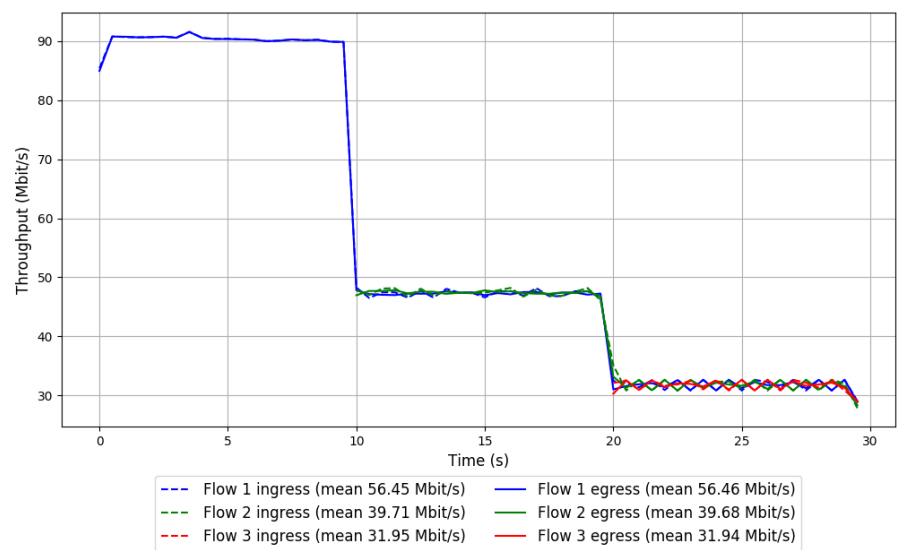


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-27 14:33:01
End at: 2018-03-27 14:33:31
Local clock offset: -5.703 ms
Remote clock offset: -6.51 ms

# Below is generated by plot.py at 2018-03-27 21:17:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 31.195 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 31.191 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 31.259 ms
Loss rate: 0.29%
```


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

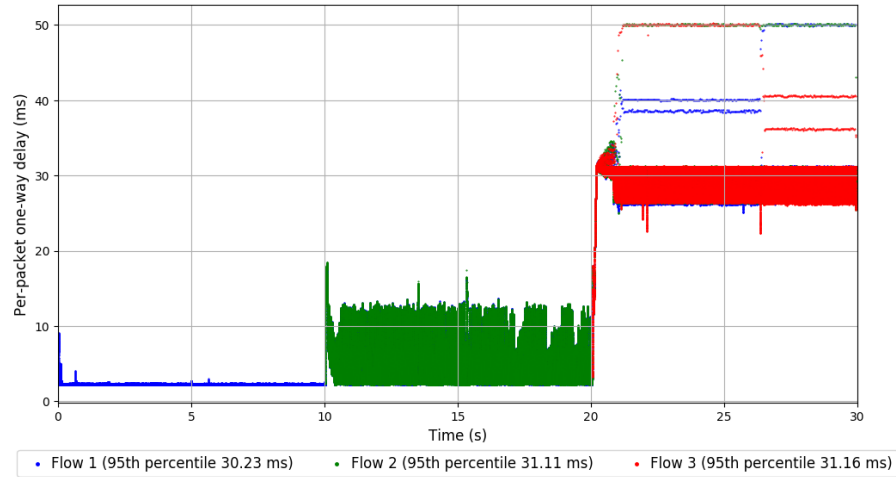
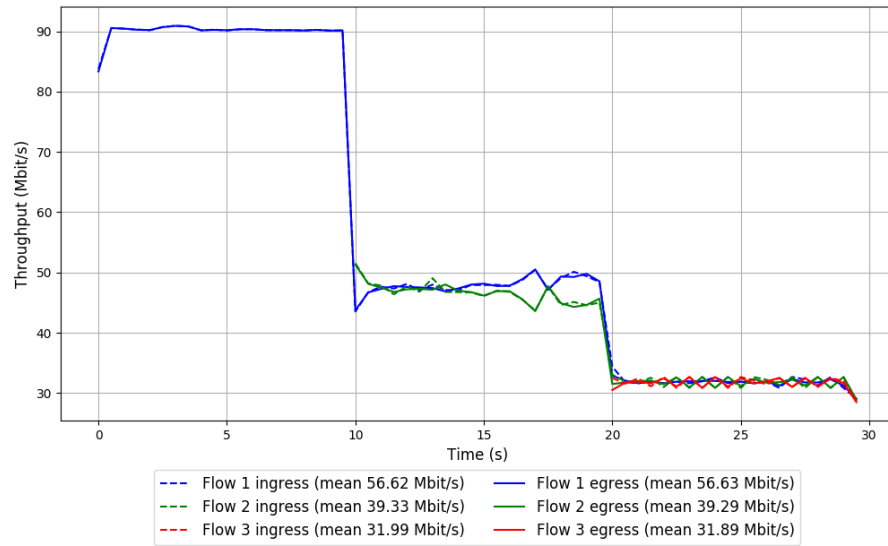


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-27 14:53:26
End at: 2018-03-27 14:53:56
Local clock offset: -5.842 ms
Remote clock offset: -6.522 ms

Below is generated by plot.py at 2018-03-27 21:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 31.082 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 30.230 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 31.114 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 31.162 ms
Loss rate: 0.38%

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

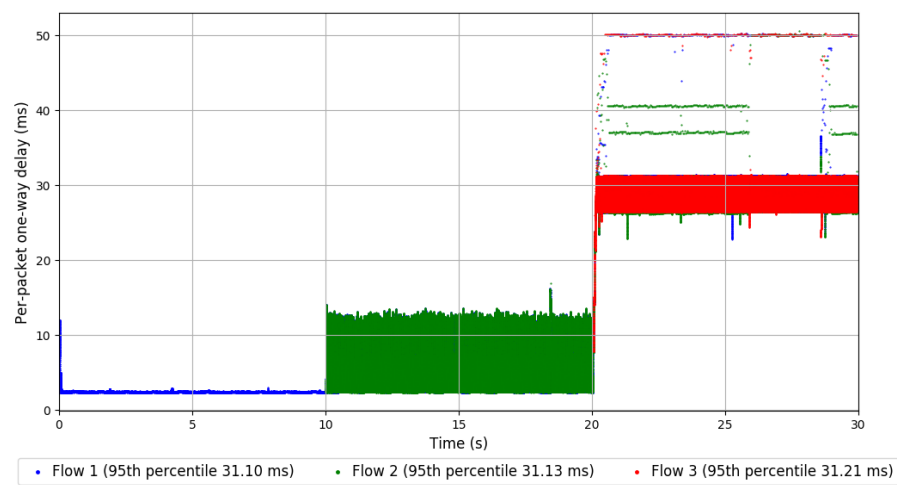
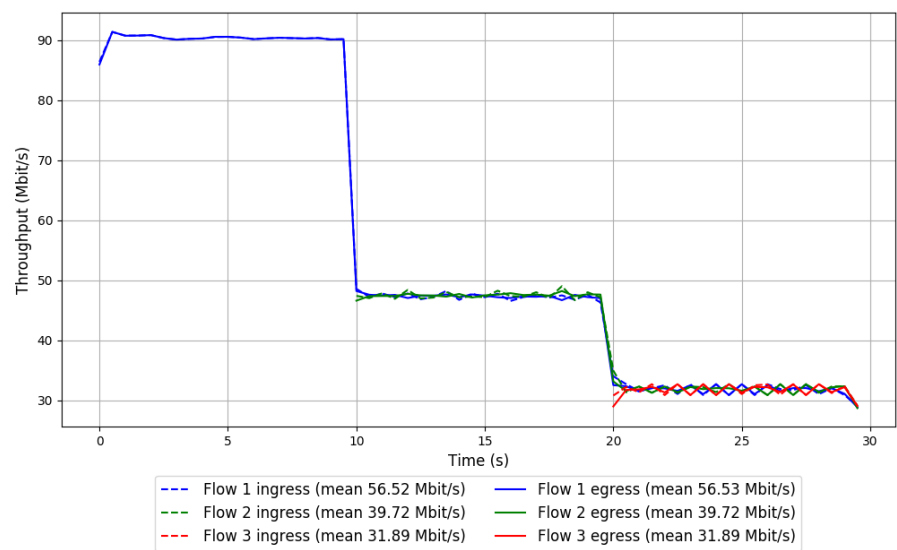


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-27 15:13:53
End at: 2018-03-27 15:14:23
Local clock offset: -6.827 ms
Remote clock offset: -6.509 ms

Below is generated by plot.py at 2018-03-27 21:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 31.152 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 31.098 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 31.129 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 31.211 ms
Loss rate: 0.29%

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

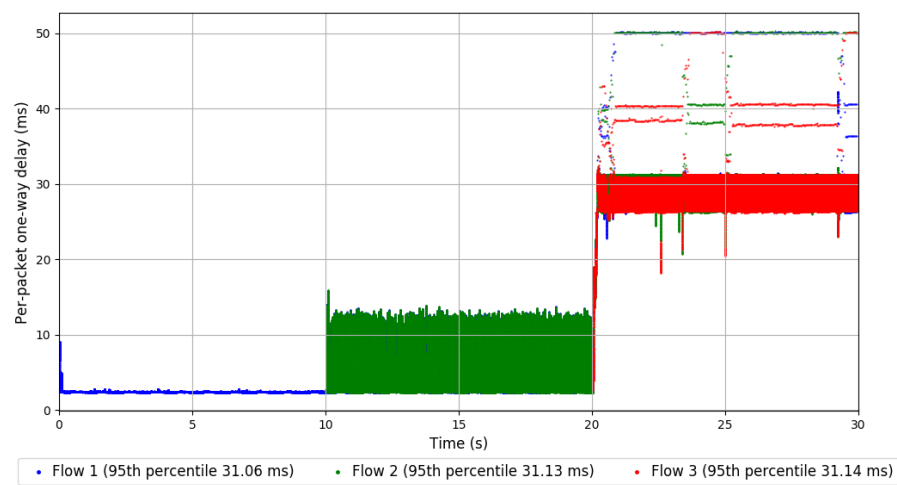
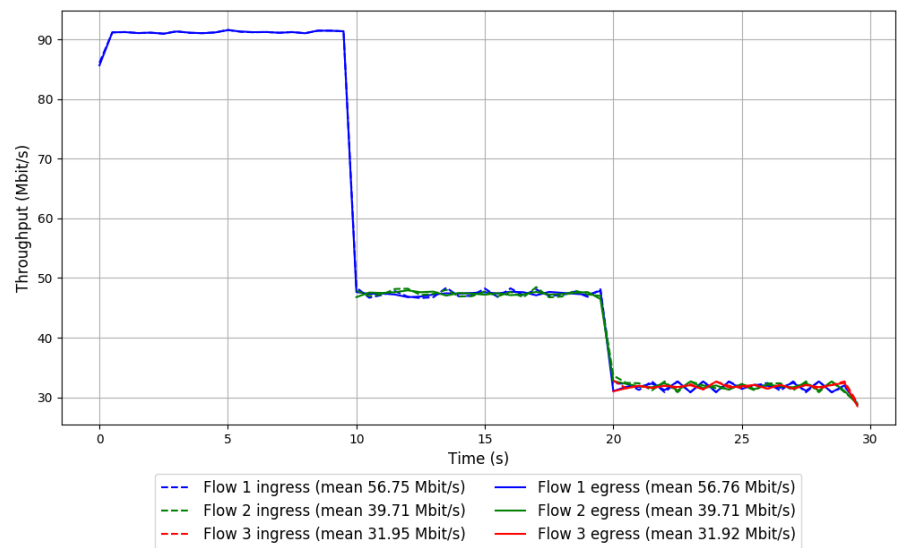


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-27 15:34:21
End at: 2018-03-27 15:34:51
Local clock offset: -7.193 ms
Remote clock offset: -6.764 ms

Below is generated by plot.py at 2018-03-27 21:17:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 31.061 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 31.134 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 31.144 ms
Loss rate: 0.37%

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

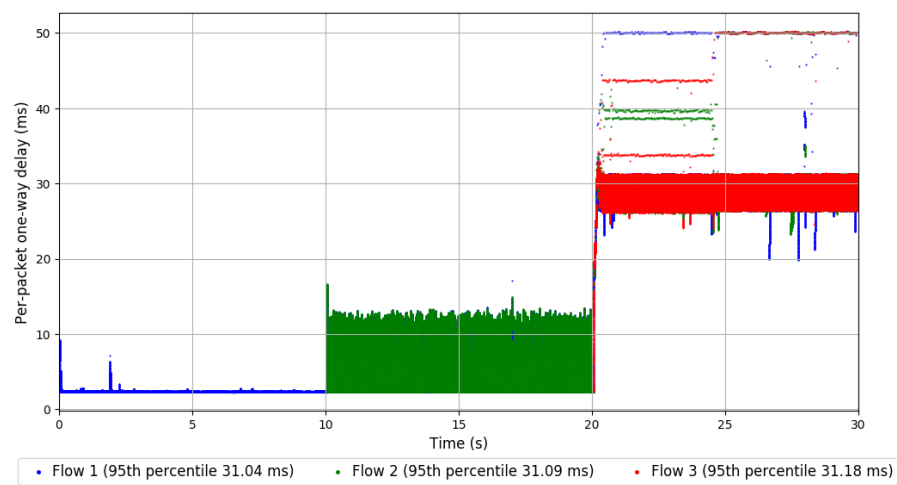
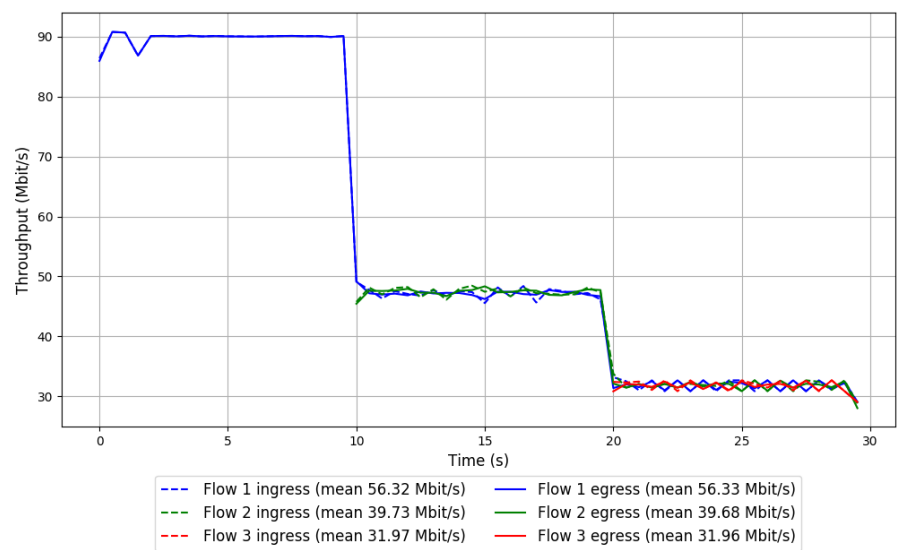


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-27 15:54:46
End at: 2018-03-27 15:55:16
Local clock offset: -6.76 ms
Remote clock offset: -7.237 ms

Below is generated by plot.py at 2018-03-27 21:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 31.099 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 31.041 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 31.093 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 31.176 ms
Loss rate: 0.29%

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

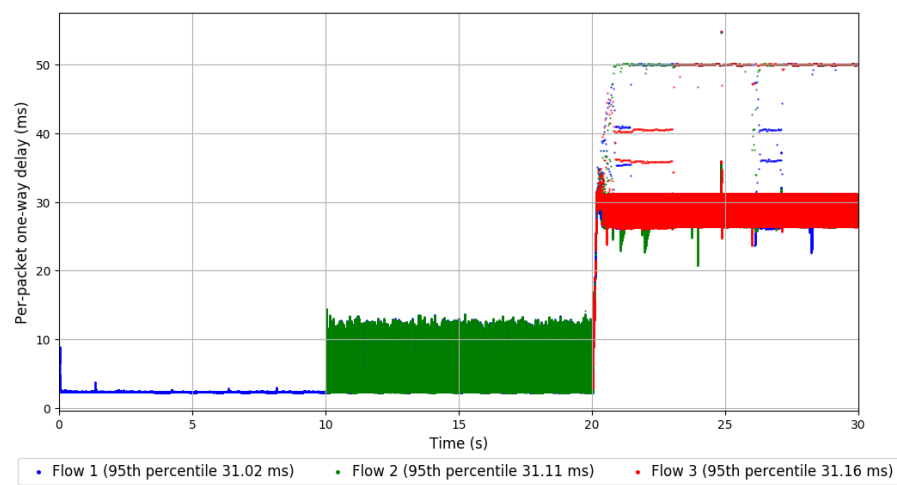
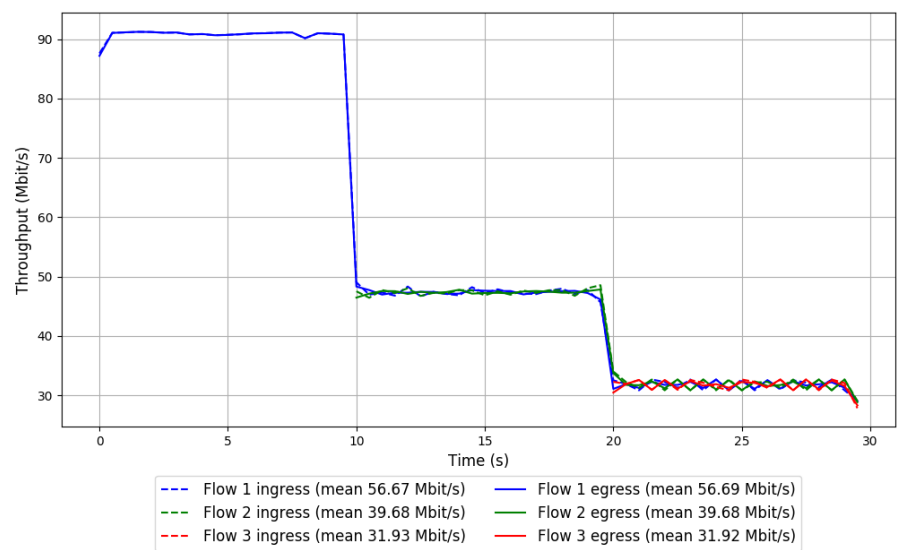


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-27 16:15:11
End at: 2018-03-27 16:15:41
Local clock offset: -6.266 ms
Remote clock offset: -7.727 ms

Below is generated by plot.py at 2018-03-27 21:18:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 31.095 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.69 Mbit/s
95th percentile per-packet one-way delay: 31.023 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 31.108 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.29%

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

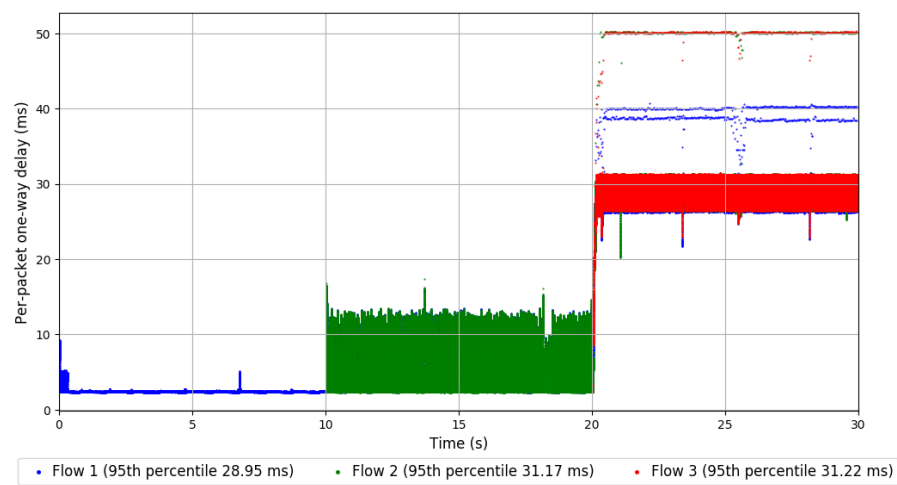
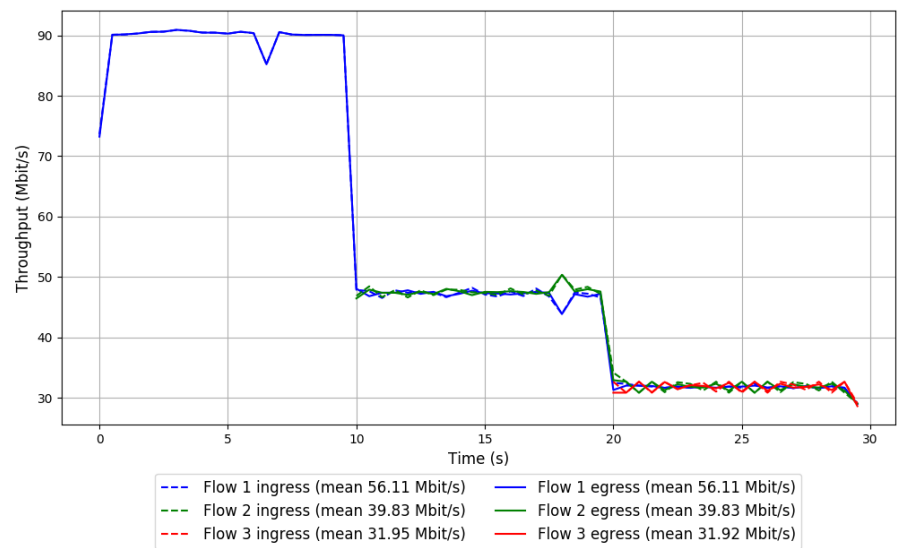


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-27 16:35:36
End at: 2018-03-27 16:36:06
Local clock offset: -5.687 ms
Remote clock offset: -7.918 ms

Below is generated by plot.py at 2018-03-27 21:18:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 28.945 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 31.173 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 31.220 ms
Loss rate: 0.36%

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

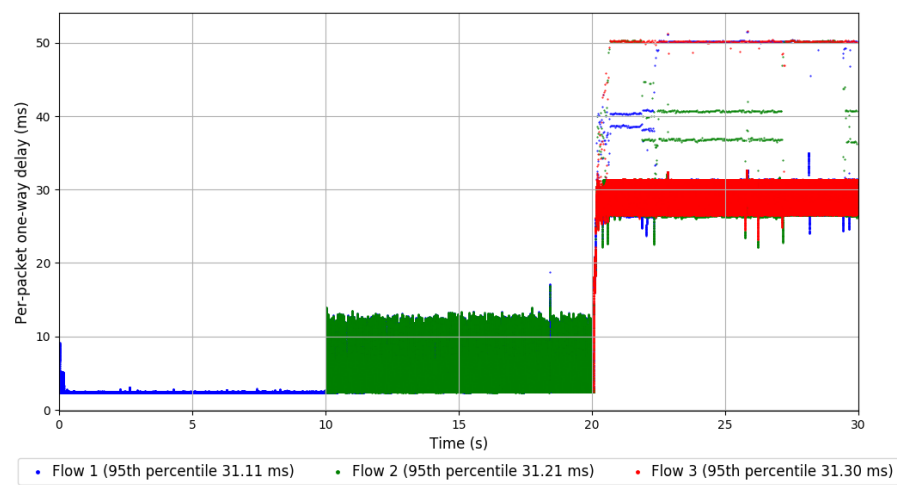
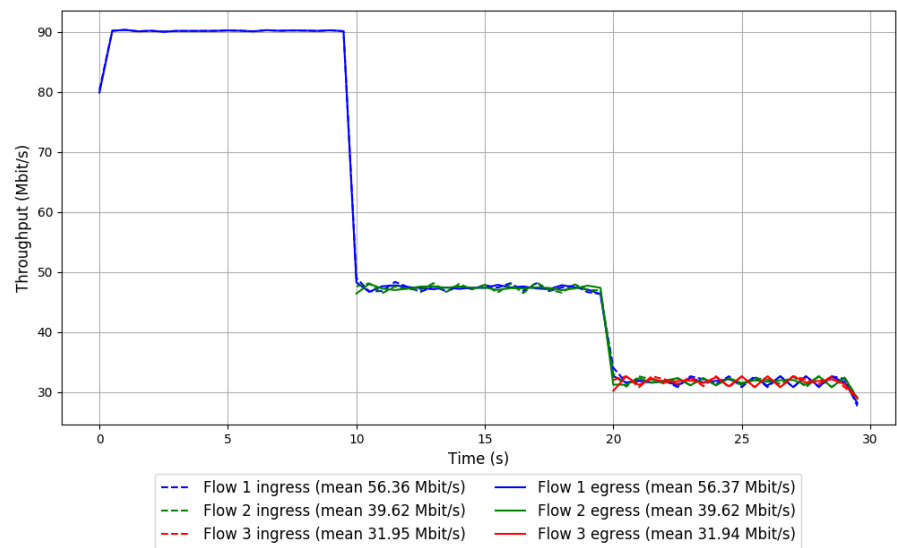


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-27 16:56:03
End at: 2018-03-27 16:56:33
Local clock offset: -5.74 ms
Remote clock offset: -7.634 ms

Below is generated by plot.py at 2018-03-27 21:18:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 31.222 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 31.210 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 31.300 ms
Loss rate: 0.29%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-27 17:16:30

End at: 2018-03-27 17:17:00

Local clock offset: -5.715 ms

Remote clock offset: -6.43 ms

Below is generated by plot.py at 2018-03-27 21:20:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 31.144 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.46 Mbit/s

95th percentile per-packet one-way delay: 31.038 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 39.68 Mbit/s

95th percentile per-packet one-way delay: 31.188 ms

Loss rate: 0.12%

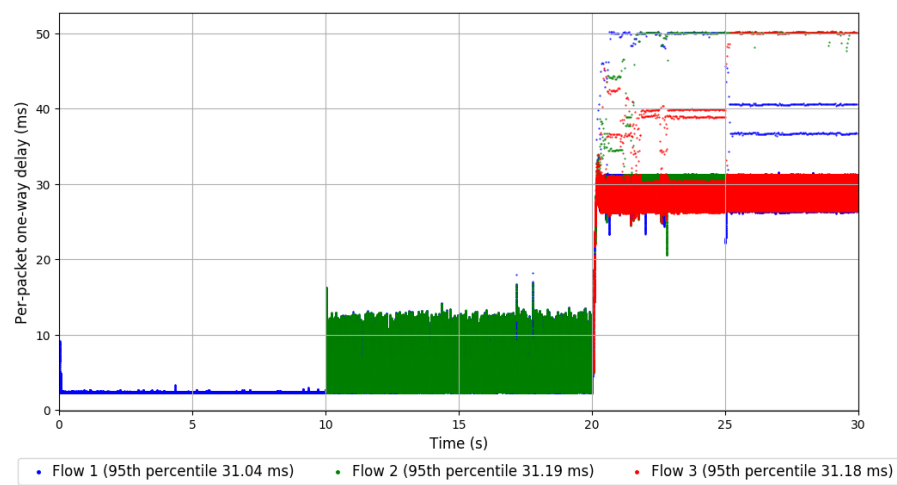
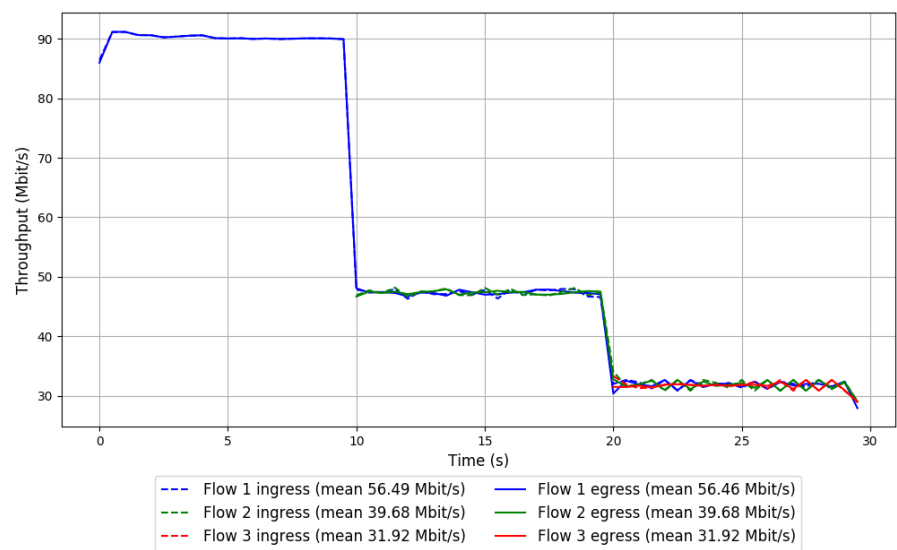
-- Flow 3:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 31.185 ms

Loss rate: 0.29%

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

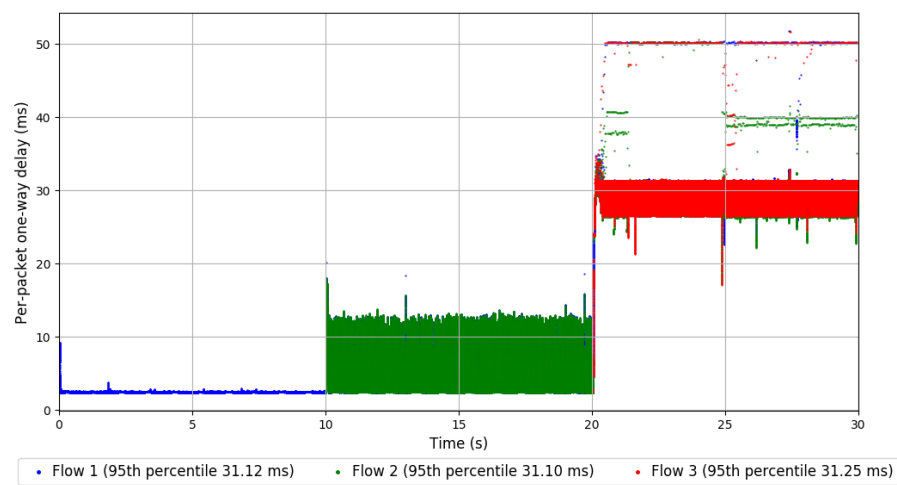
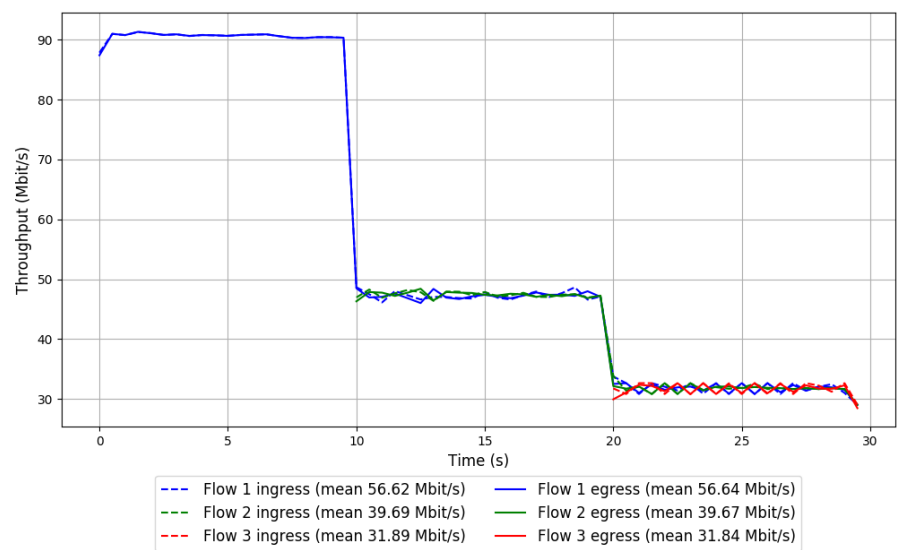


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-27 17:36:56
End at: 2018-03-27 17:37:26
Local clock offset: -5.876 ms
Remote clock offset: -6.602 ms

Below is generated by plot.py at 2018-03-27 21:20:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 31.175 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 31.104 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 31.252 ms
Loss rate: 0.43%

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

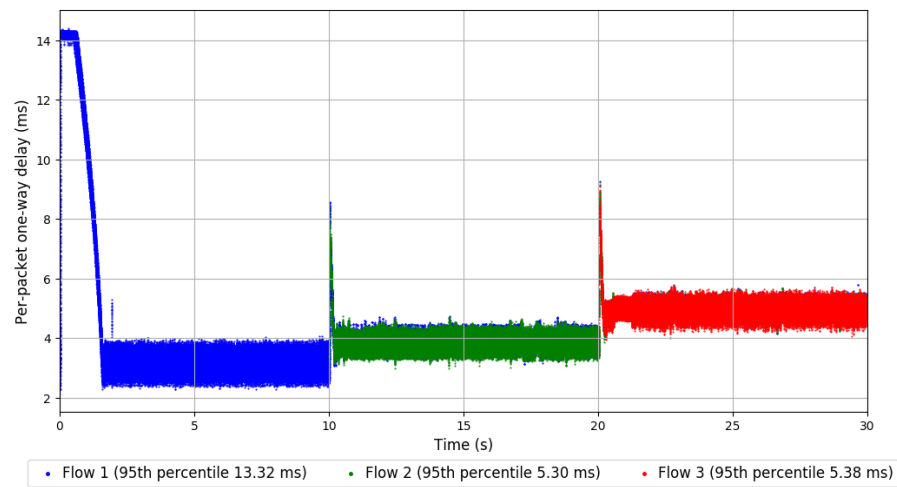
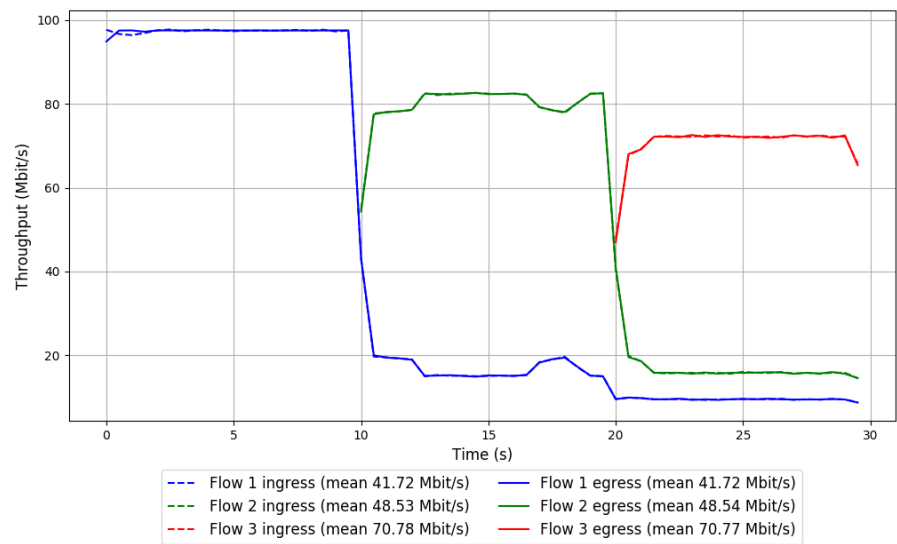


Run 1: Statistics of TCP Vegas

Start at: 2018-03-27 14:35:22
End at: 2018-03-27 14:35:52
Local clock offset: -5.773 ms
Remote clock offset: -6.447 ms

Below is generated by plot.py at 2018-03-27 21:20:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 6.149 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 13.324 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 5.296 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 70.77 Mbit/s
95th percentile per-packet one-way delay: 5.380 ms
Loss rate: 0.08%

Run 1: Report of TCP Vegas — Data Link

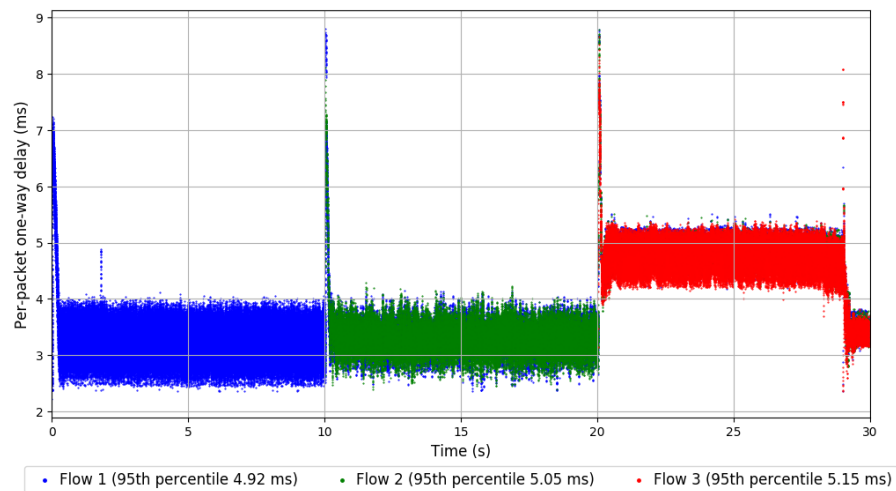
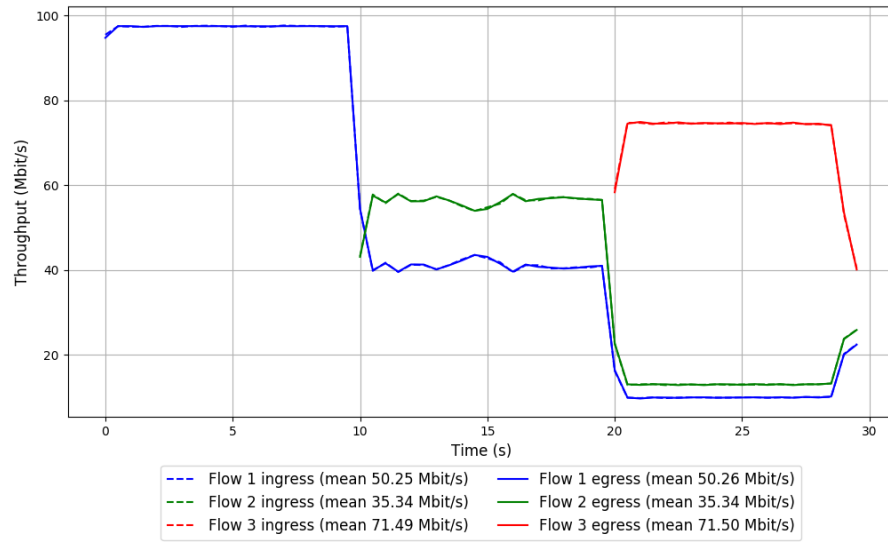


Run 2: Statistics of TCP Vegas

Start at: 2018-03-27 14:55:47
End at: 2018-03-27 14:56:17
Local clock offset: -5.759 ms
Remote clock offset: -6.515 ms

Below is generated by plot.py at 2018-03-27 21:20:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 5.082 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 4.925 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.34 Mbit/s
95th percentile per-packet one-way delay: 5.049 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: 5.152 ms
Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link

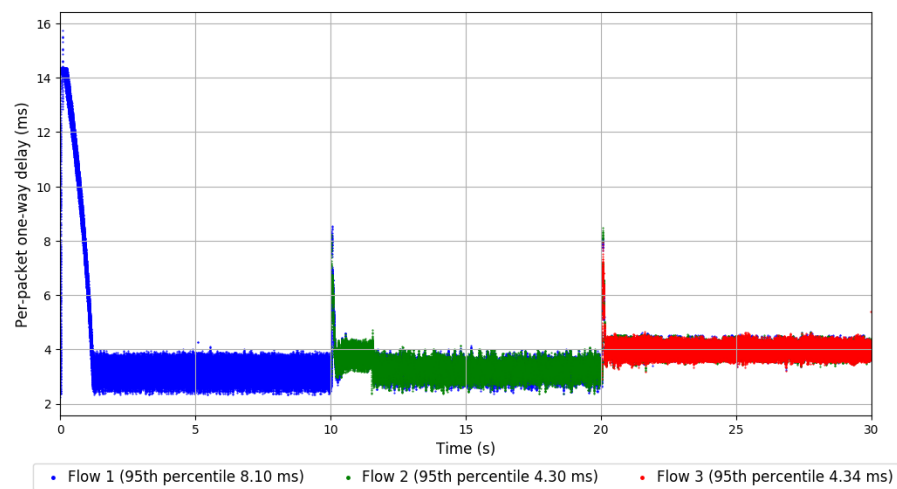
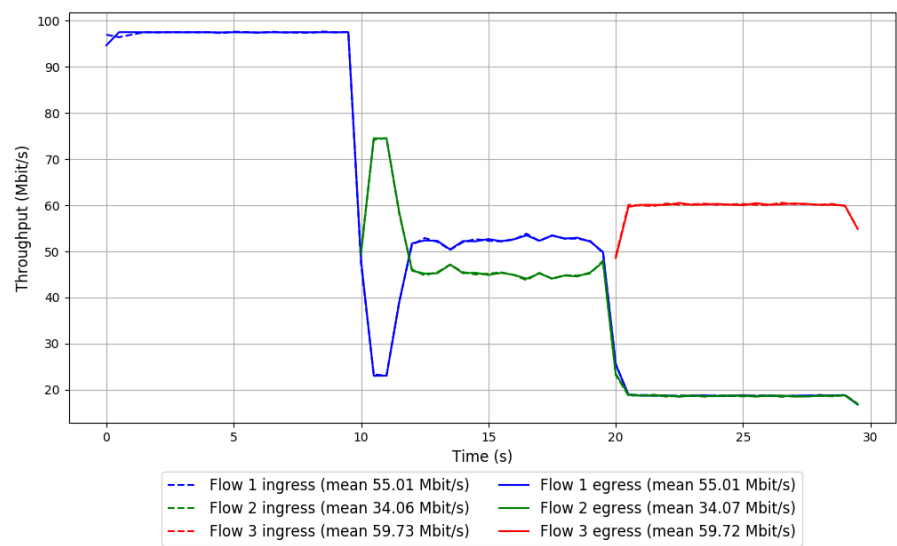


Run 3: Statistics of TCP Vegas

Start at: 2018-03-27 15:16:14
End at: 2018-03-27 15:16:44
Local clock offset: -6.886 ms
Remote clock offset: -6.551 ms

Below is generated by plot.py at 2018-03-27 21:20:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 4.420 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.01 Mbit/s
95th percentile per-packet one-way delay: 8.103 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 4.297 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 4.337 ms
Loss rate: 0.06%

Run 3: Report of TCP Vegas — Data Link

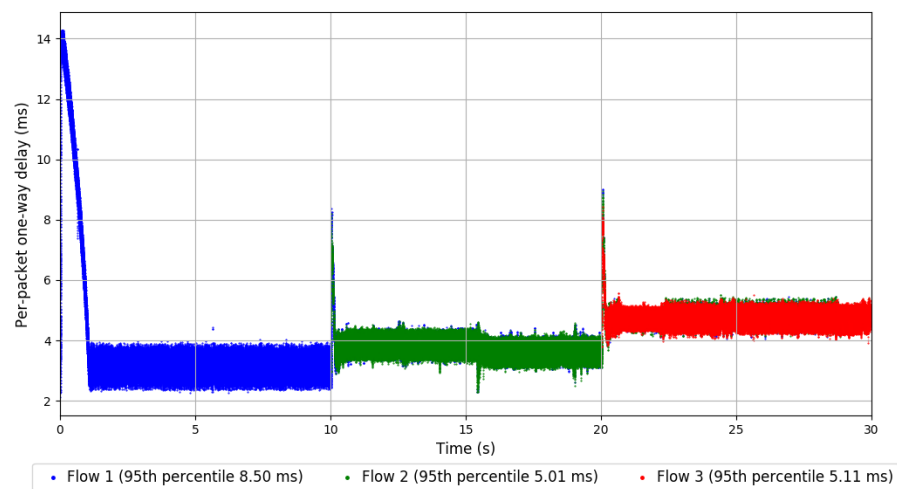
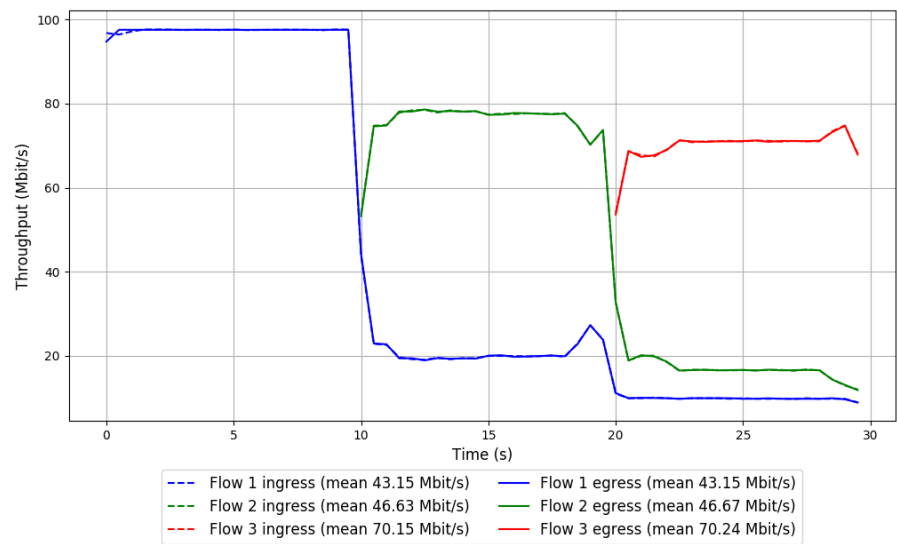


Run 4: Statistics of TCP Vegas

Start at: 2018-03-27 15:36:42
End at: 2018-03-27 15:37:12
Local clock offset: -7.117 ms
Remote clock offset: -6.717 ms

Below is generated by plot.py at 2018-03-27 21:20:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.165 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.15 Mbit/s
95th percentile per-packet one-way delay: 8.501 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 5.015 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 5.114 ms
Loss rate: 0.07%

Run 4: Report of TCP Vegas — Data Link

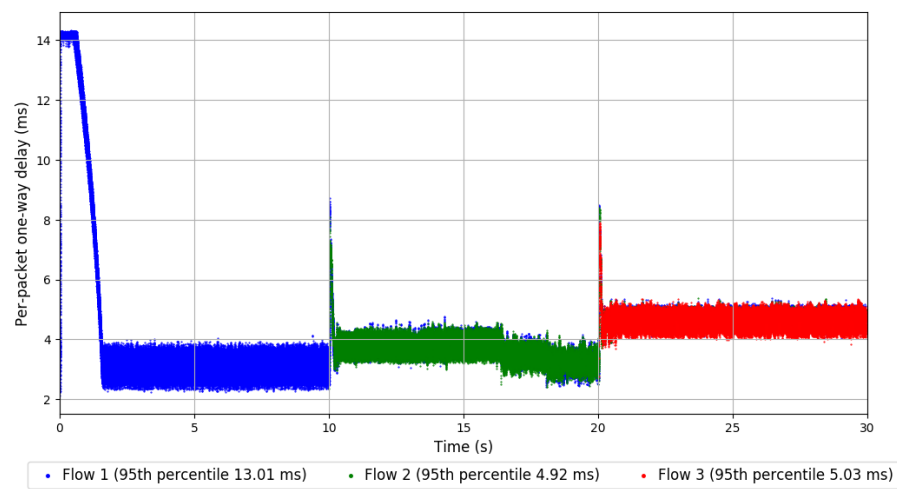
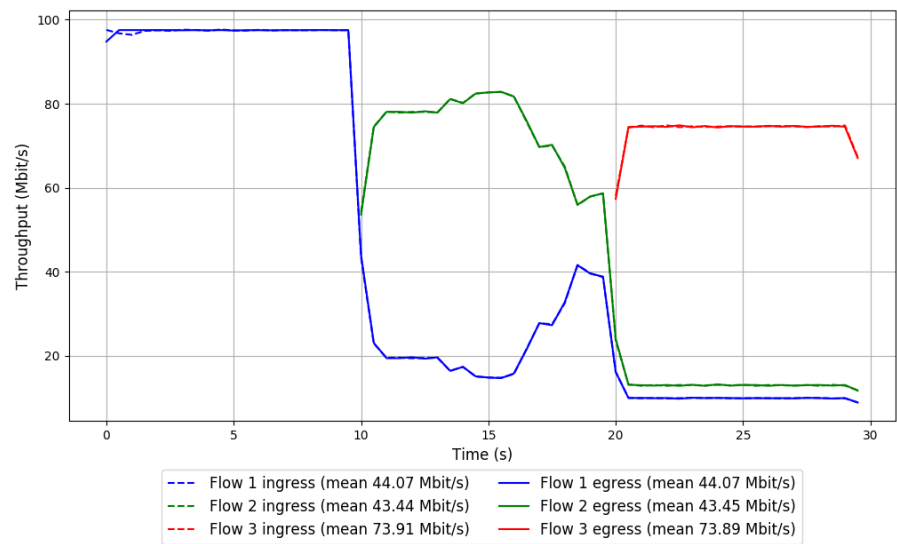


Run 5: Statistics of TCP Vegas

Start at: 2018-03-27 15:57:07
End at: 2018-03-27 15:57:37
Local clock offset: -6.811 ms
Remote clock offset: -7.288 ms

Below is generated by plot.py at 2018-03-27 21:20:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 5.886 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.07 Mbit/s
95th percentile per-packet one-way delay: 13.006 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 4.917 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 73.89 Mbit/s
95th percentile per-packet one-way delay: 5.025 ms
Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link

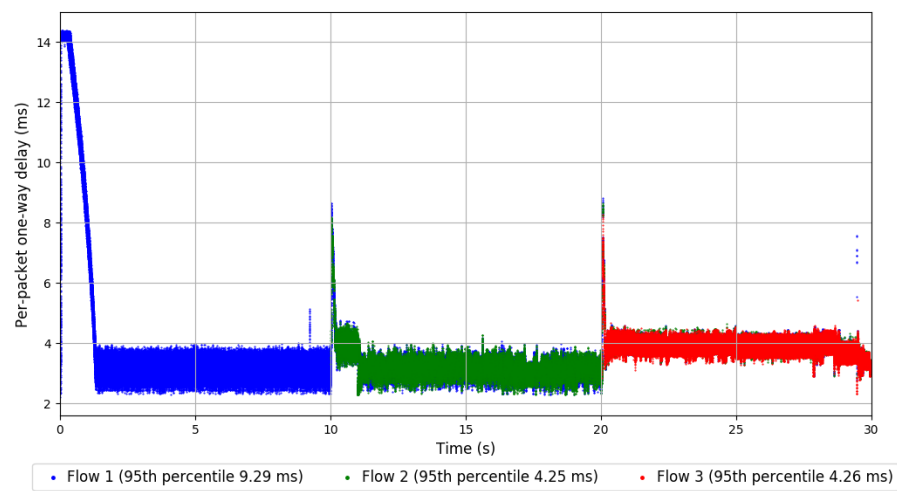
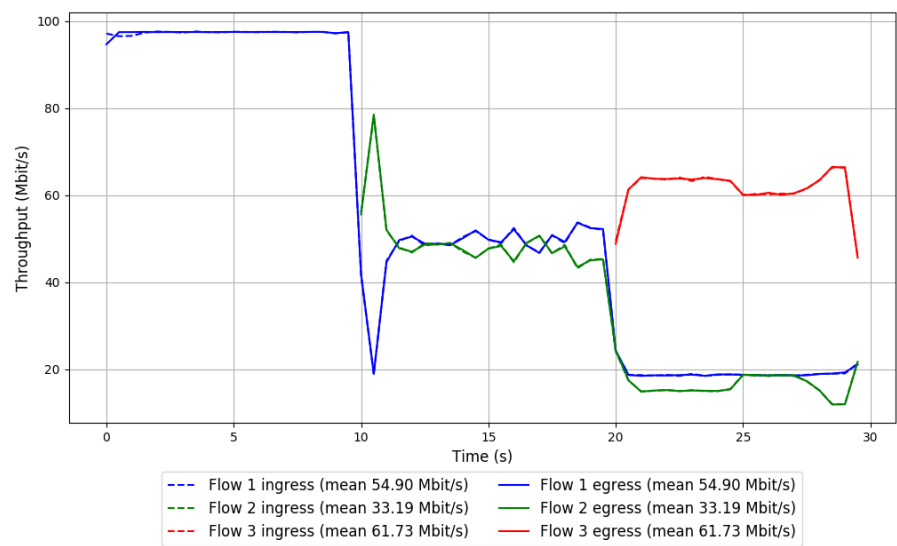


Run 6: Statistics of TCP Vegas

Start at: 2018-03-27 16:17:32
End at: 2018-03-27 16:18:02
Local clock offset: -6.09 ms
Remote clock offset: -7.682 ms

Below is generated by plot.py at 2018-03-27 21:20:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 4.453 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 9.290 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 4.248 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 4.259 ms
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link

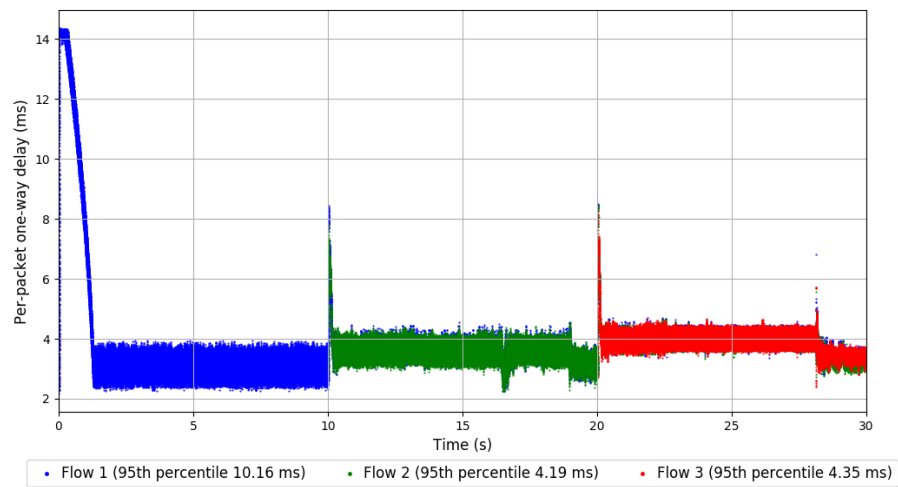
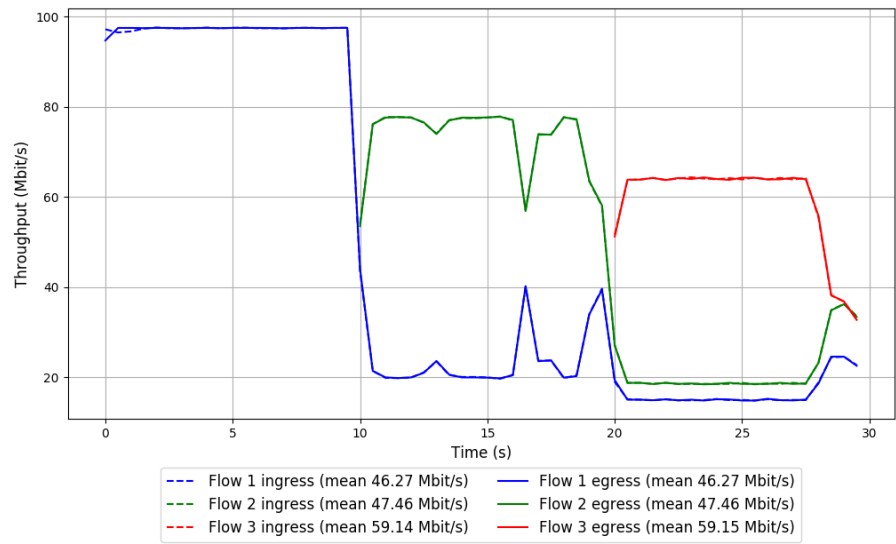


Run 7: Statistics of TCP Vegas

Start at: 2018-03-27 16:37:57
End at: 2018-03-27 16:38:27
Local clock offset: -5.707 ms
Remote clock offset: -7.919 ms

Below is generated by plot.py at 2018-03-27 21:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 4.428 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.27 Mbit/s
95th percentile per-packet one-way delay: 10.158 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.46 Mbit/s
95th percentile per-packet one-way delay: 4.186 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 4.350 ms
Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link

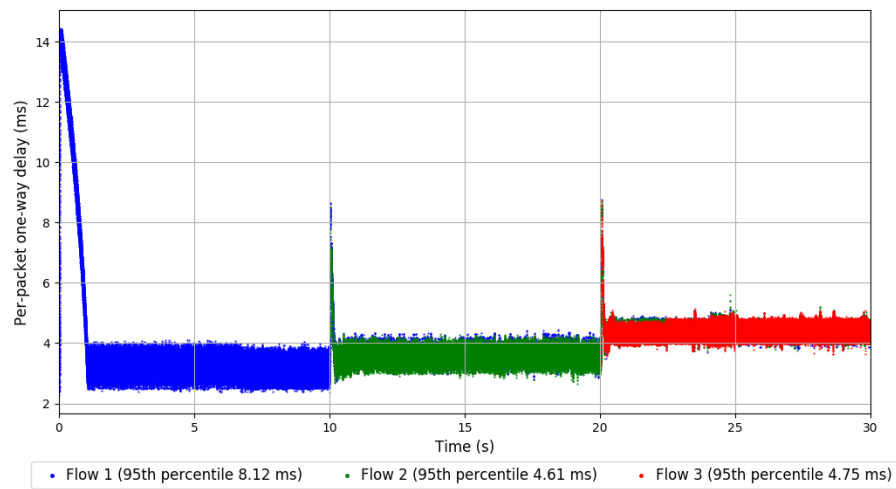
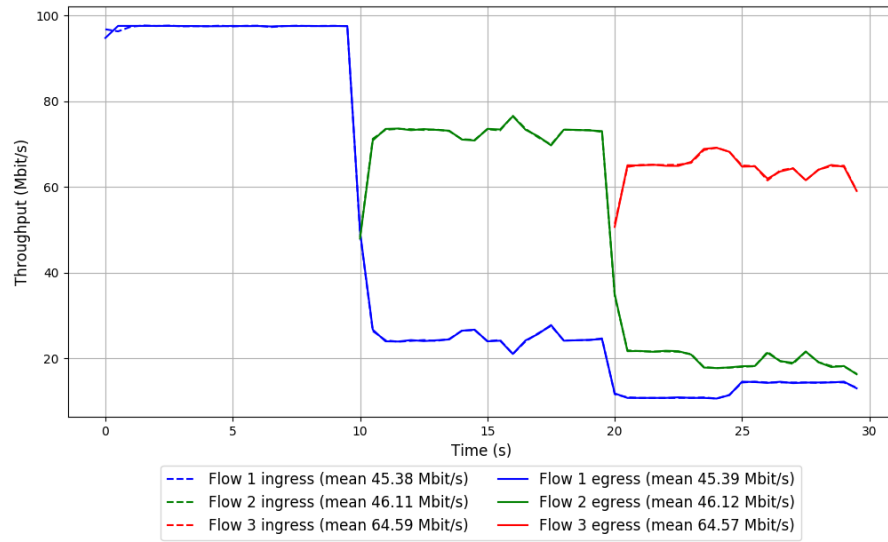


Run 8: Statistics of TCP Vegas

Start at: 2018-03-27 16:58:24
End at: 2018-03-27 16:58:54
Local clock offset: -5.711 ms
Remote clock offset: -7.343 ms

```
# Below is generated by plot.py at 2018-03-27 21:20:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 4.771 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 8.122 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 4.614 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 4.752 ms
Loss rate: 0.06%
```

Run 8: Report of TCP Vegas — Data Link

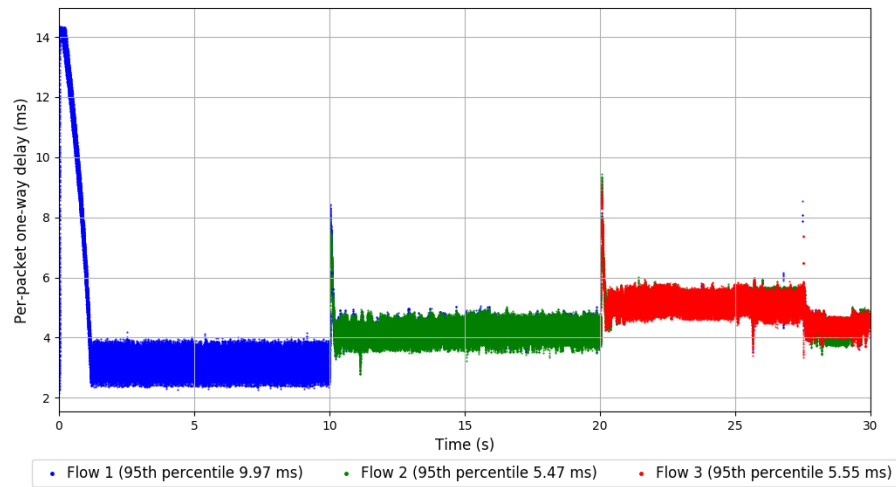
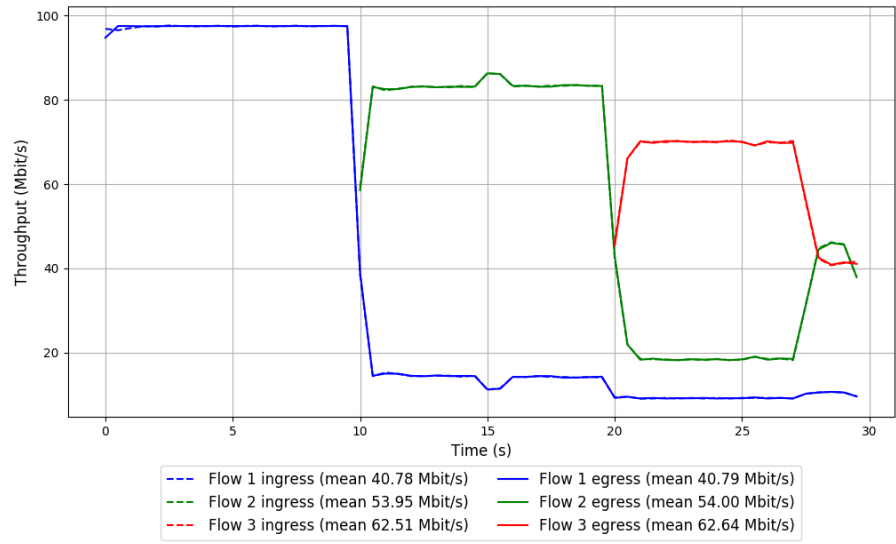


Run 9: Statistics of TCP Vegas

Start at: 2018-03-27 17:18:51
End at: 2018-03-27 17:19:21
Local clock offset: -5.809 ms
Remote clock offset: -6.371 ms

Below is generated by plot.py at 2018-03-27 21:20:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.593 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 9.973 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.00 Mbit/s
95th percentile per-packet one-way delay: 5.468 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 62.64 Mbit/s
95th percentile per-packet one-way delay: 5.554 ms
Loss rate: 0.05%

Run 9: Report of TCP Vegas — Data Link

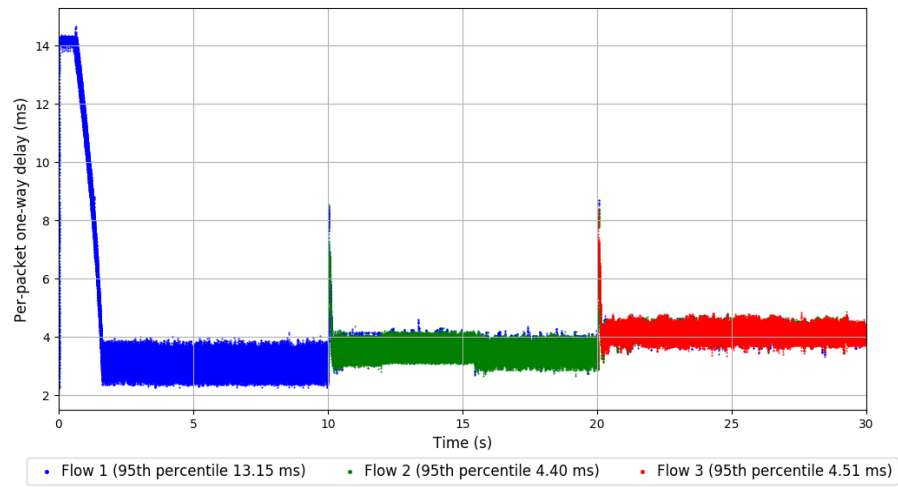
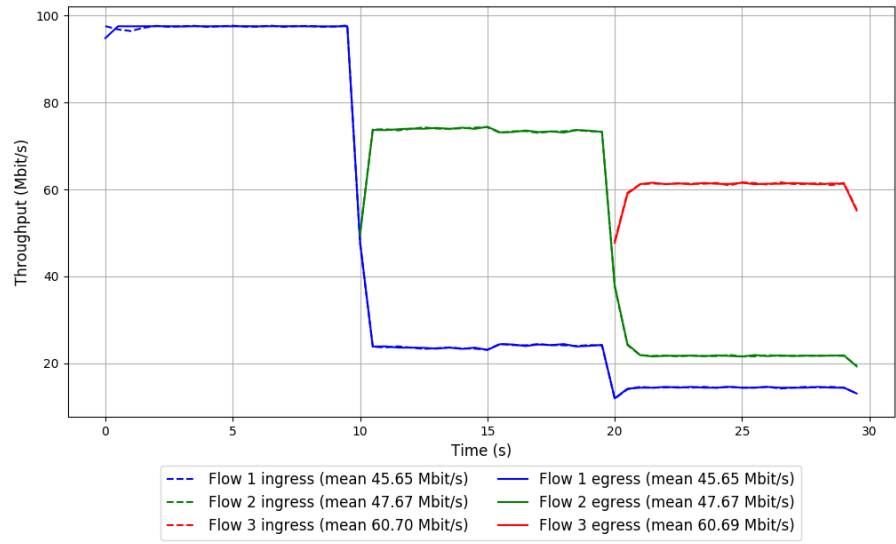


Run 10: Statistics of TCP Vegas

Start at: 2018-03-27 17:39:17
End at: 2018-03-27 17:39:47
Local clock offset: -5.952 ms
Remote clock offset: -6.567 ms

Below is generated by plot.py at 2018-03-27 21:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 6.037 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 13.153 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 4.397 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 60.69 Mbit/s
95th percentile per-packet one-way delay: 4.509 ms
Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link

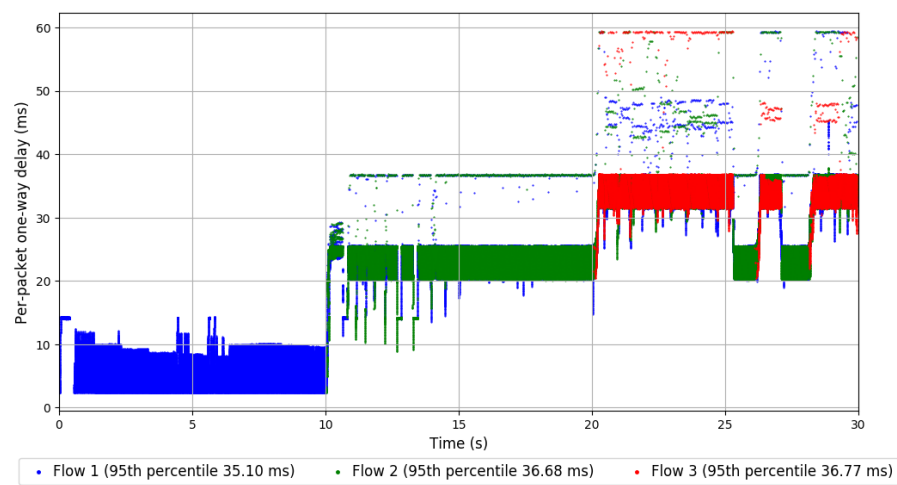
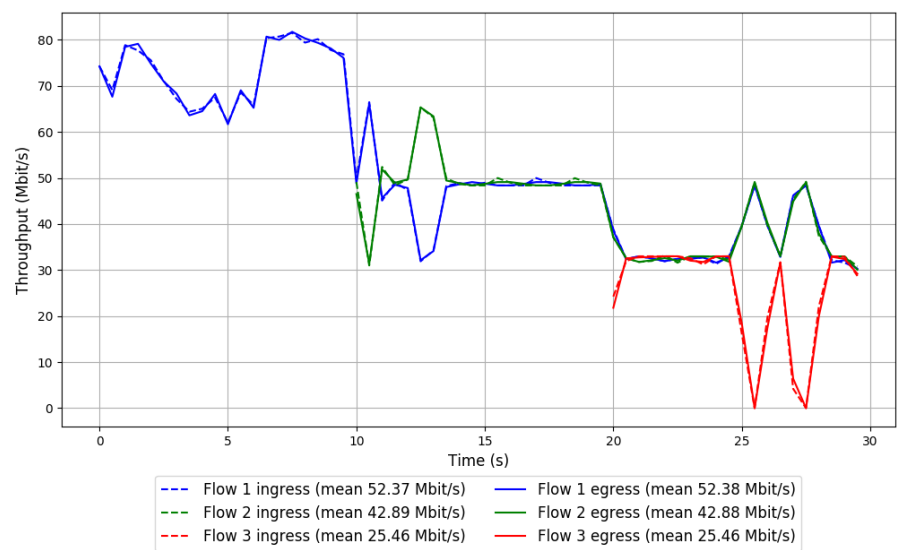


Run 1: Statistics of Verus

Start at: 2018-03-27 14:28:29
End at: 2018-03-27 14:28:59
Local clock offset: -5.534 ms
Remote clock offset: -6.567 ms

Below is generated by plot.py at 2018-03-27 21:21:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.33 Mbit/s
95th percentile per-packet one-way delay: 36.636 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.38 Mbit/s
95th percentile per-packet one-way delay: 35.096 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.88 Mbit/s
95th percentile per-packet one-way delay: 36.679 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 36.773 ms
Loss rate: 0.44%

Run 1: Report of Verus — Data Link

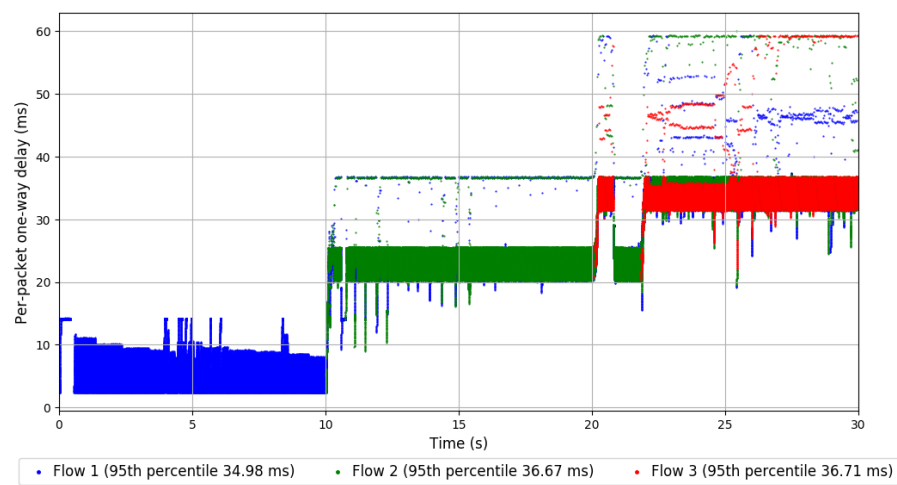
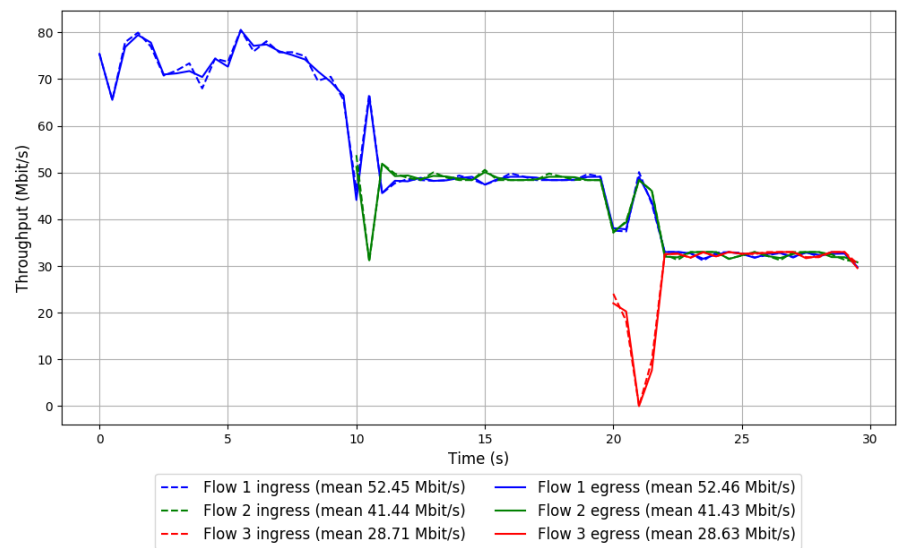


Run 2: Statistics of Verus

Start at: 2018-03-27 14:48:54
End at: 2018-03-27 14:49:24
Local clock offset: -5.756 ms
Remote clock offset: -6.545 ms

Below is generated by plot.py at 2018-03-27 21:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 36.600 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 34.977 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 36.672 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 36.713 ms
Loss rate: 0.55%

Run 2: Report of Verus — Data Link

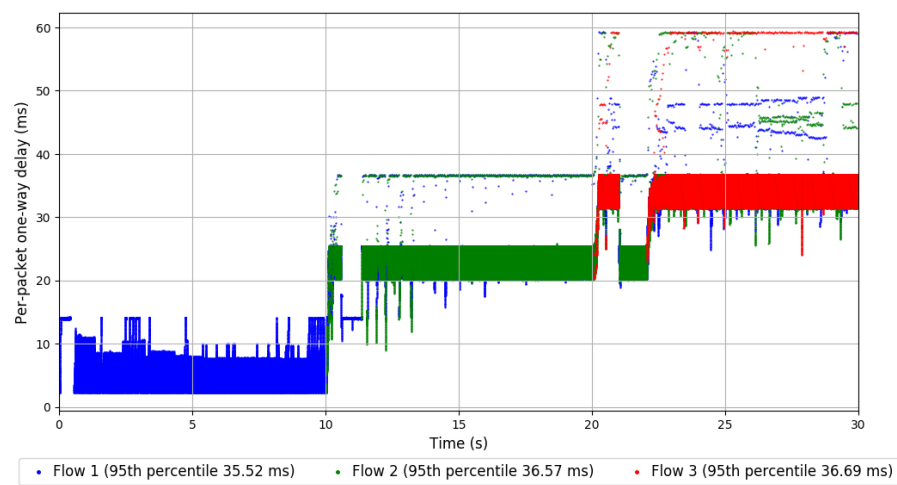
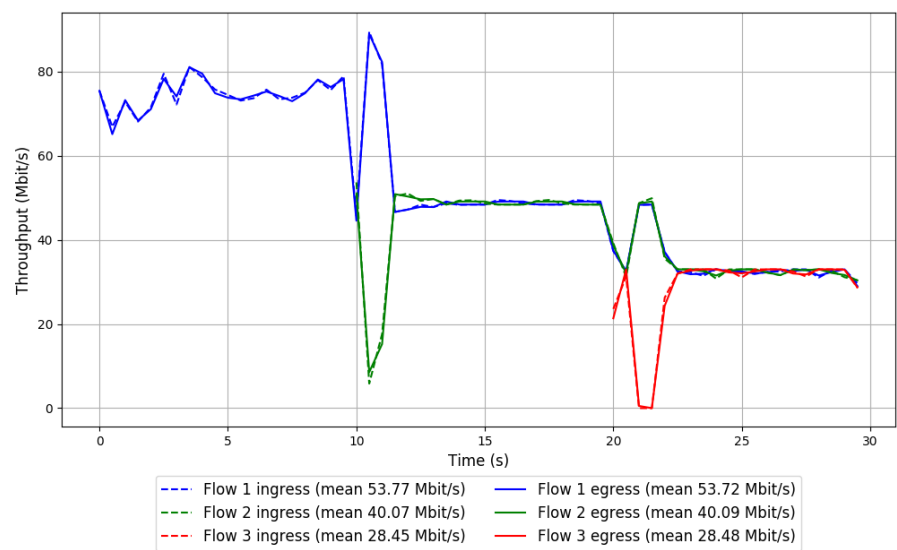


Run 3: Statistics of Verus

Start at: 2018-03-27 15:09:21
End at: 2018-03-27 15:09:51
Local clock offset: -6.699 ms
Remote clock offset: -6.379 ms

Below is generated by plot.py at 2018-03-27 21:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 36.568 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.72 Mbit/s
95th percentile per-packet one-way delay: 35.523 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.09 Mbit/s
95th percentile per-packet one-way delay: 36.570 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 36.689 ms
Loss rate: 0.40%

Run 3: Report of Verus — Data Link

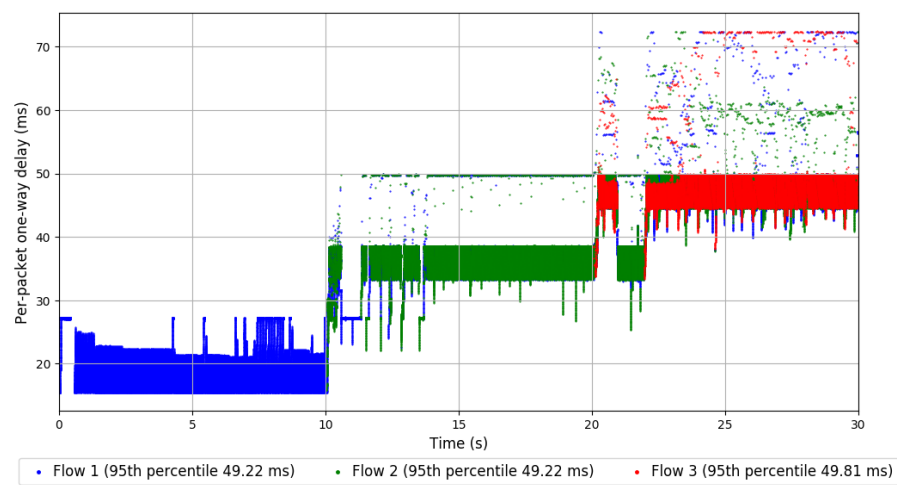
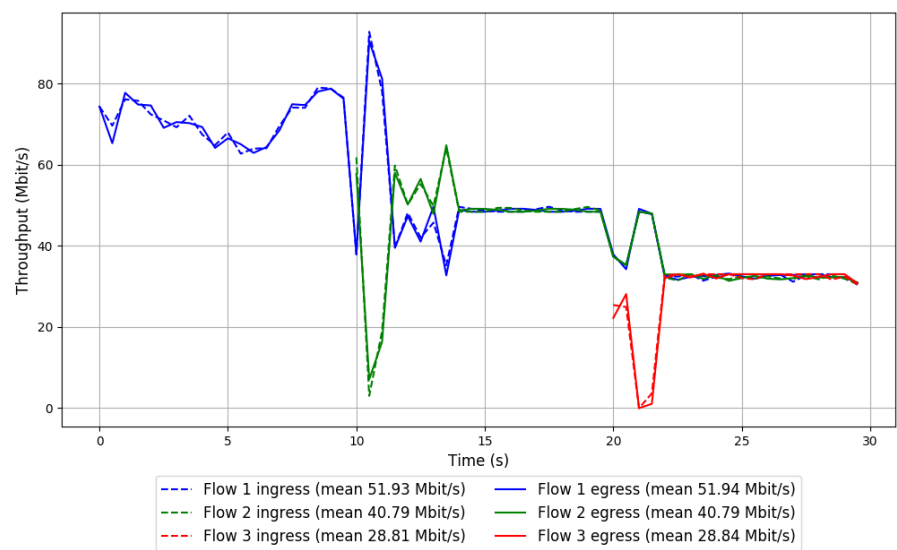


Run 4: Statistics of Verus

Start at: 2018-03-27 15:29:49
End at: 2018-03-27 15:30:19
Local clock offset: -7.169 ms
Remote clock offset: -19.786 ms

Below is generated by plot.py at 2018-03-27 21:21:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.65 Mbit/s
95th percentile per-packet one-way delay: 49.672 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.94 Mbit/s
95th percentile per-packet one-way delay: 49.223 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 49.224 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.84 Mbit/s
95th percentile per-packet one-way delay: 49.813 ms
Loss rate: 0.39%

Run 4: Report of Verus — Data Link

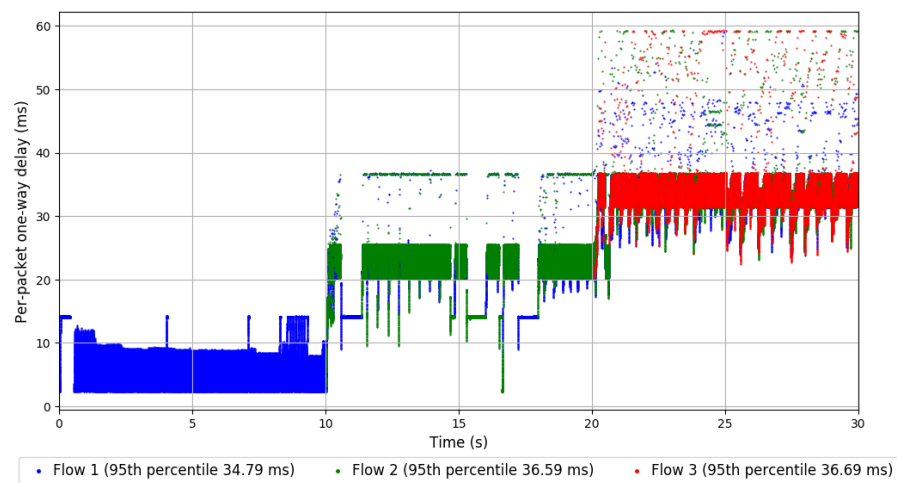
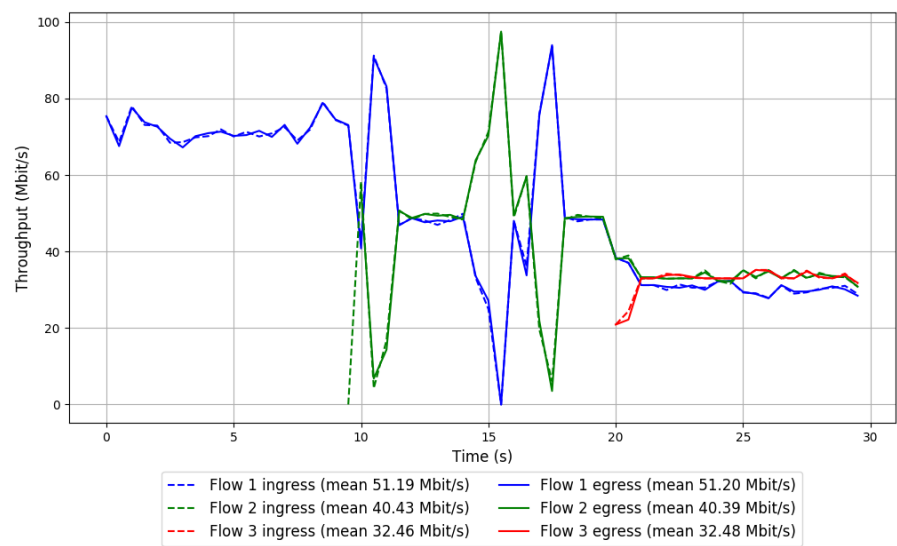


Run 5: Statistics of Verus

Start at: 2018-03-27 15:50:14
End at: 2018-03-27 15:50:44
Local clock offset: -6.747 ms
Remote clock offset: -7.086 ms

Below is generated by plot.py at 2018-03-27 21:21:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 36.421 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 34.790 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 36.586 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 36.691 ms
Loss rate: 0.34%

Run 5: Report of Verus — Data Link

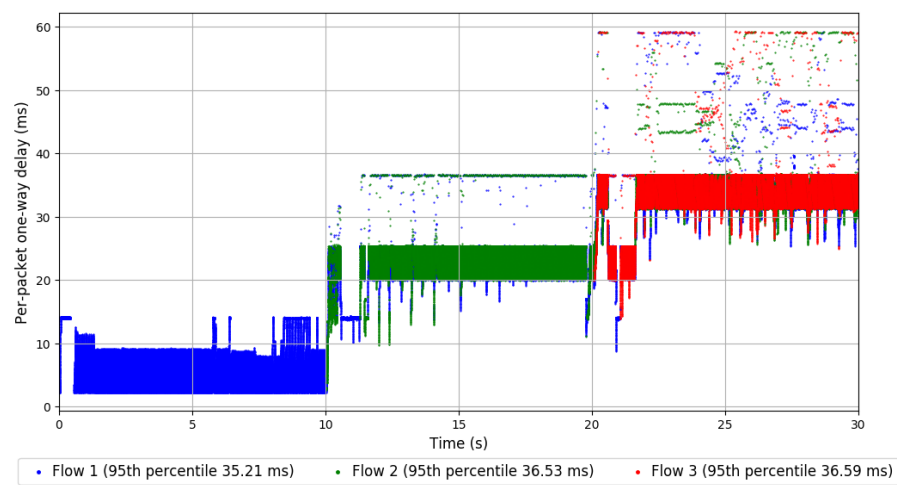
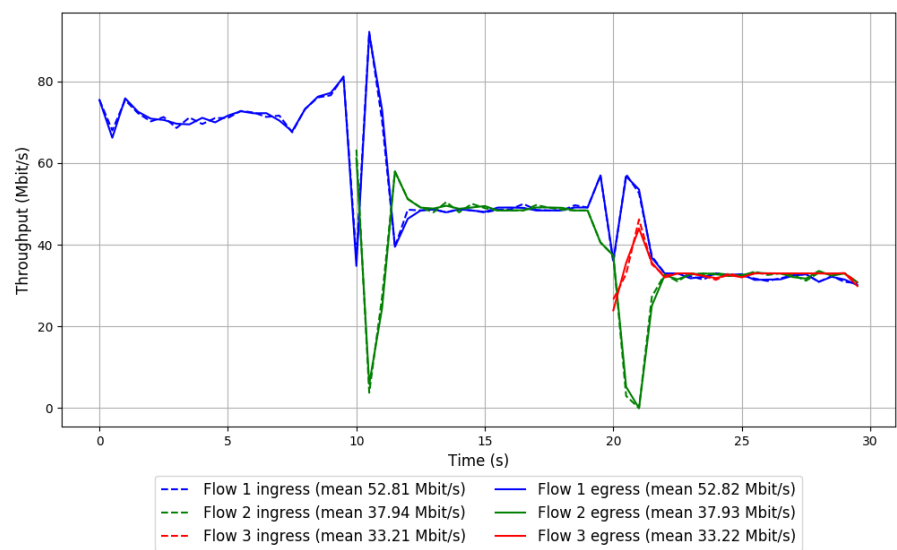


Run 6: Statistics of Verus

Start at: 2018-03-27 16:10:39
End at: 2018-03-27 16:11:09
Local clock offset: -6.522 ms
Remote clock offset: -7.575 ms

Below is generated by plot.py at 2018-03-27 21:22:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 36.485 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.82 Mbit/s
95th percentile per-packet one-way delay: 35.212 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 36.529 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 36.595 ms
Loss rate: 0.47%

Run 6: Report of Verus — Data Link

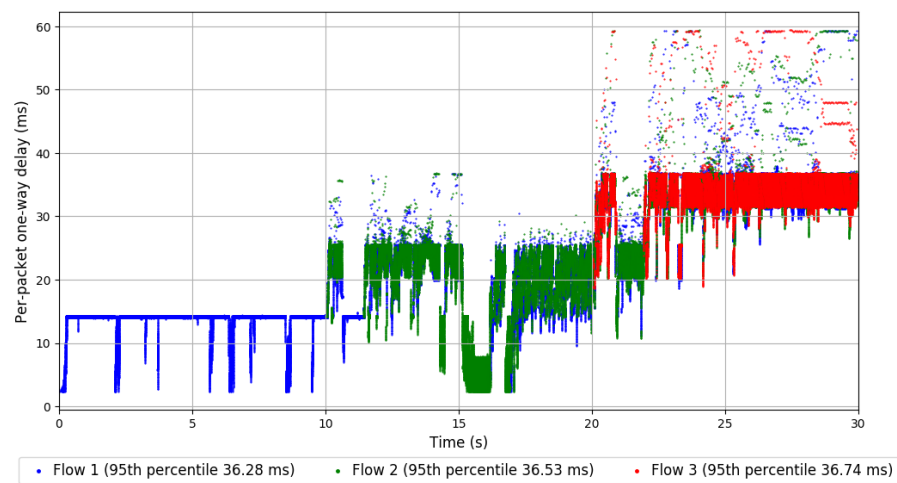
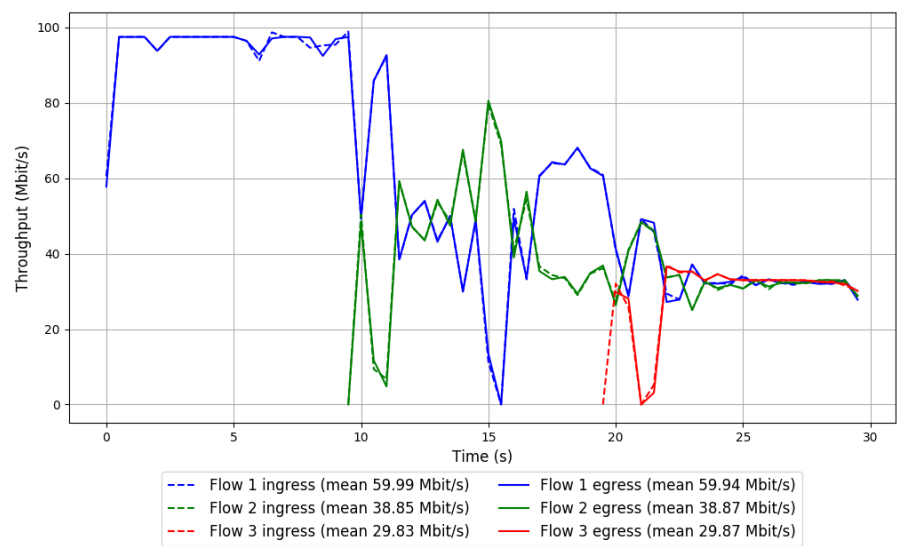


Run 7: Statistics of Verus

Start at: 2018-03-27 16:31:04
End at: 2018-03-27 16:31:34
Local clock offset: -5.793 ms
Remote clock offset: -7.929 ms

Below is generated by plot.py at 2018-03-27 21:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 36.609 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 36.285 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 36.535 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 36.737 ms
Loss rate: 0.38%

Run 7: Report of Verus — Data Link

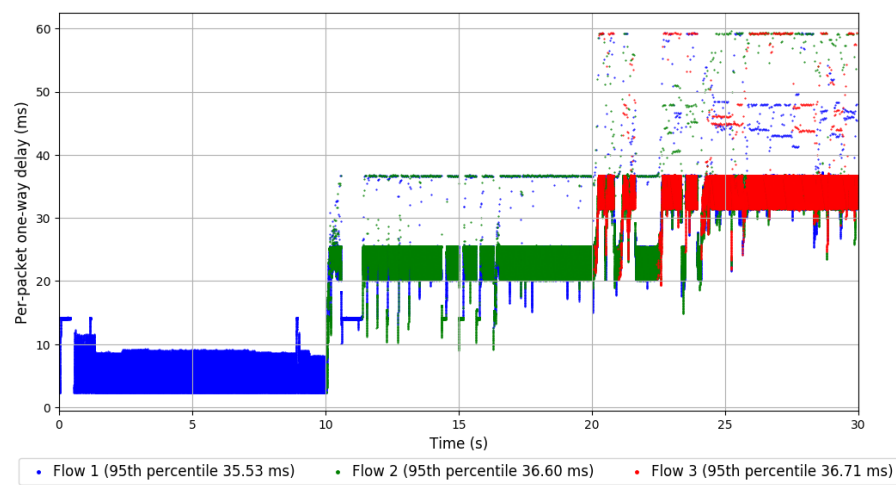
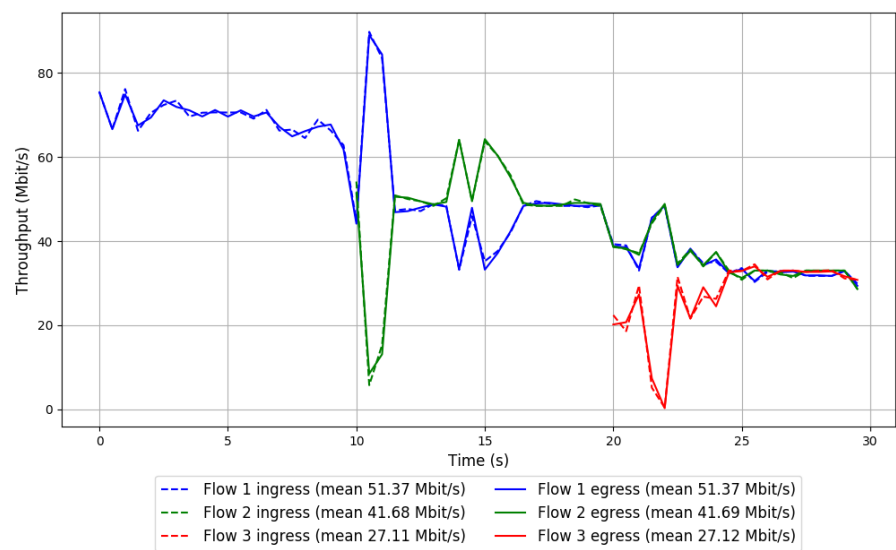


Run 8: Statistics of Verus

Start at: 2018-03-27 16:51:31
End at: 2018-03-27 16:52:01
Local clock offset: -5.713 ms
Remote clock offset: -8.143 ms

Below is generated by plot.py at 2018-03-27 21:22:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 36.593 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 35.535 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 36.604 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 36.708 ms
Loss rate: 0.42%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-03-27 17:11:58

End at: 2018-03-27 17:12:28

Local clock offset: -5.692 ms

Remote clock offset: -6.55 ms

Below is generated by plot.py at 2018-03-27 21:22:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.77 Mbit/s

95th percentile per-packet one-way delay: 35.620 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 51.79 Mbit/s

95th percentile per-packet one-way delay: 34.014 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 35.552 ms

Loss rate: 0.14%

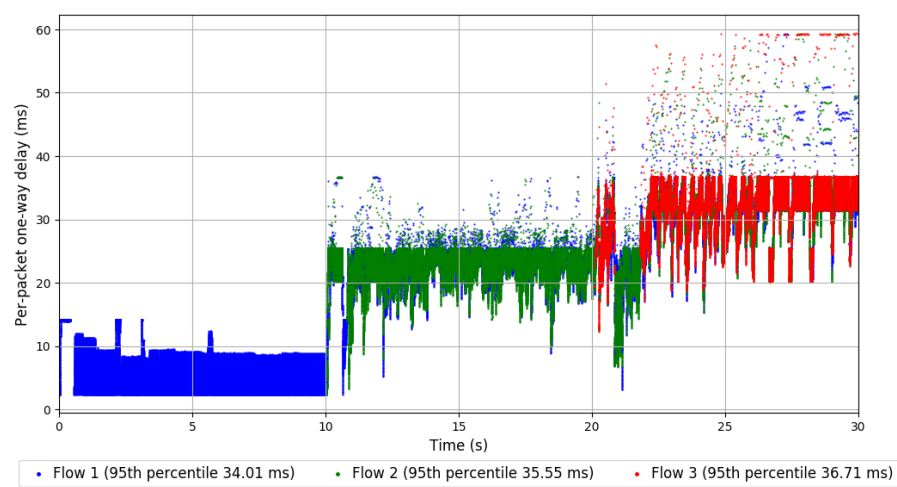
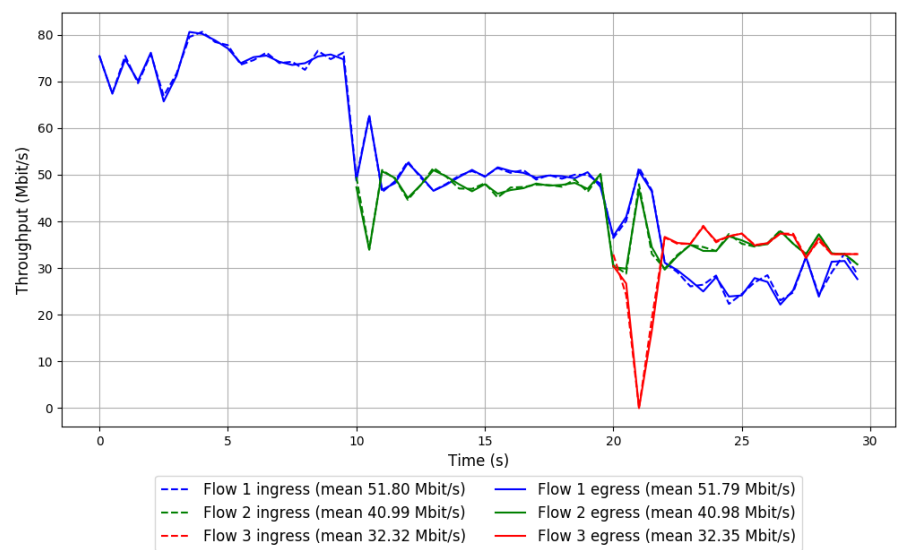
-- Flow 3:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 36.706 ms

Loss rate: 0.35%

Run 9: Report of Verus — Data Link

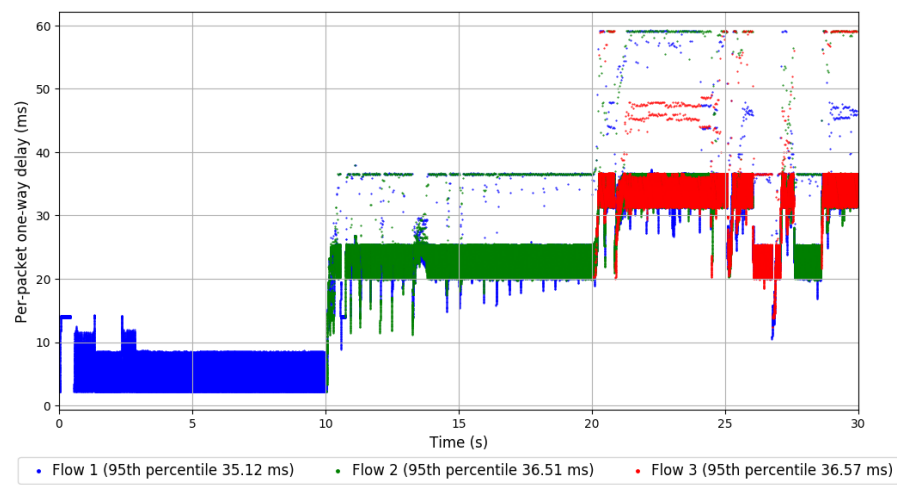
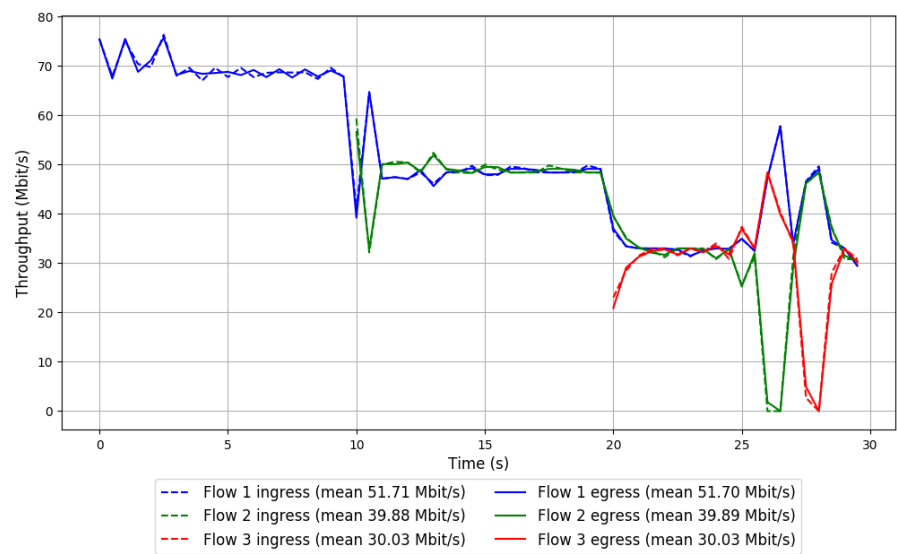


Run 10: Statistics of Verus

Start at: 2018-03-27 17:32:24
End at: 2018-03-27 17:32:54
Local clock offset: -5.953 ms
Remote clock offset: -6.443 ms

Below is generated by plot.py at 2018-03-27 21:22:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 36.440 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.70 Mbit/s
95th percentile per-packet one-way delay: 35.120 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 36.513 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 36.571 ms
Loss rate: 0.47%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-27 14:16:06

End at: 2018-03-27 14:16:36

Local clock offset: -5.562 ms

Remote clock offset: -6.66 ms

Below is generated by plot.py at 2018-03-27 21:23:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 6.026 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 58.85 Mbit/s

95th percentile per-packet one-way delay: 5.886 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 44.47 Mbit/s

95th percentile per-packet one-way delay: 6.144 ms

Loss rate: 0.04%

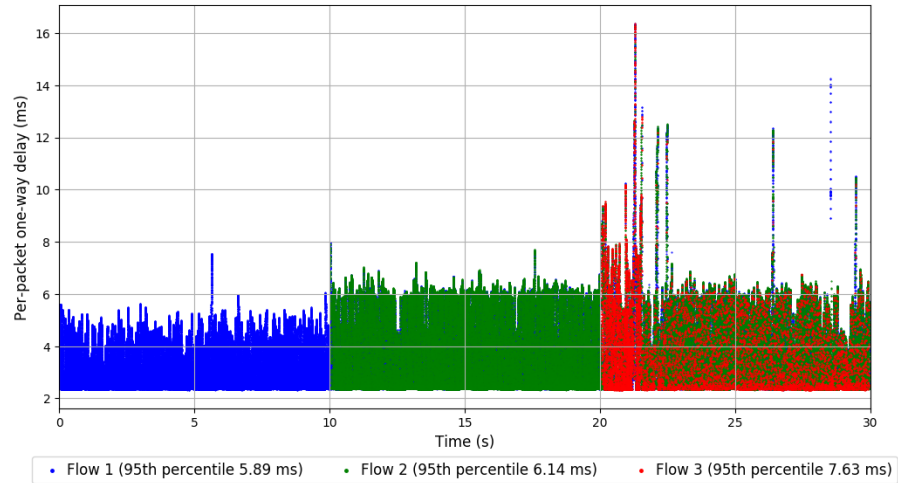
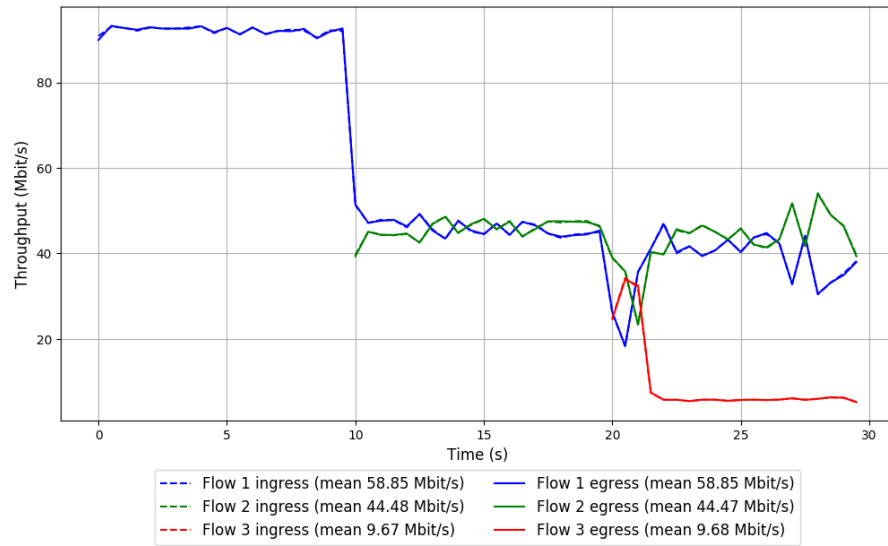
-- Flow 3:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 7.626 ms

Loss rate: 0.05%

Run 1: Report of Copa — Data Link

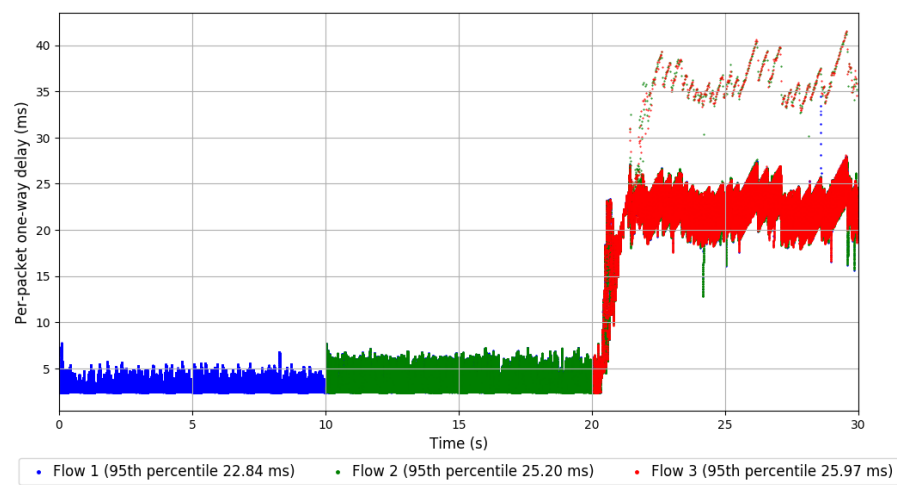
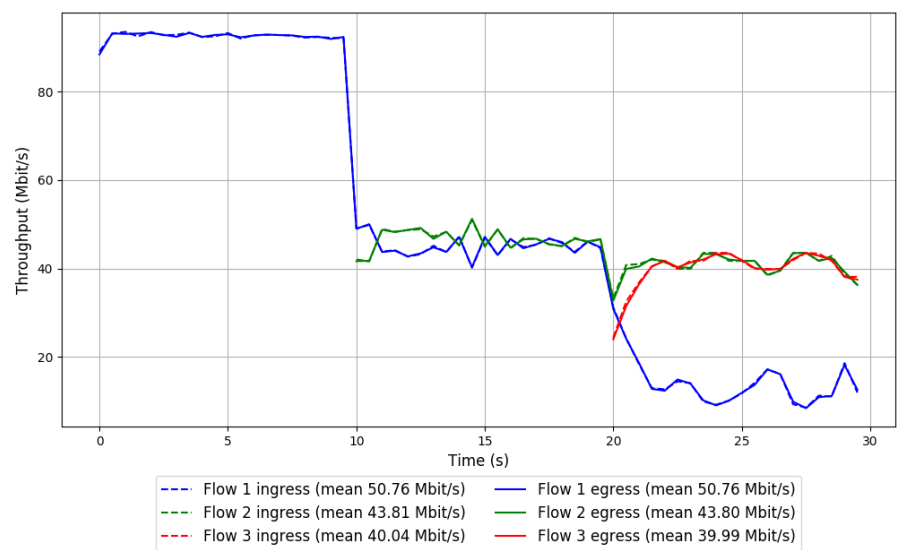


Run 2: Statistics of Copa

Start at: 2018-03-27 14:36:30
End at: 2018-03-27 14:37:00
Local clock offset: -5.741 ms
Remote clock offset: -6.547 ms

Below is generated by plot.py at 2018-03-27 21:24:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 24.880 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 22.843 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 25.196 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 25.967 ms
Loss rate: 0.31%

Run 2: Report of Copa — Data Link

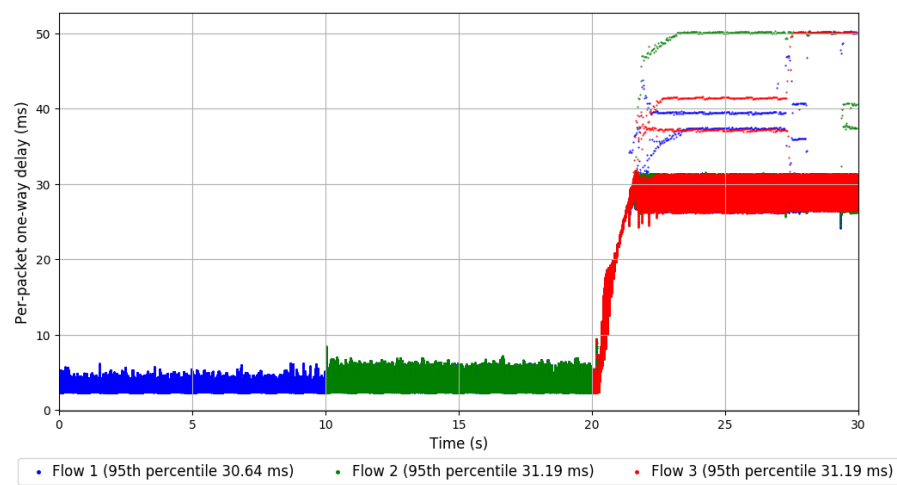
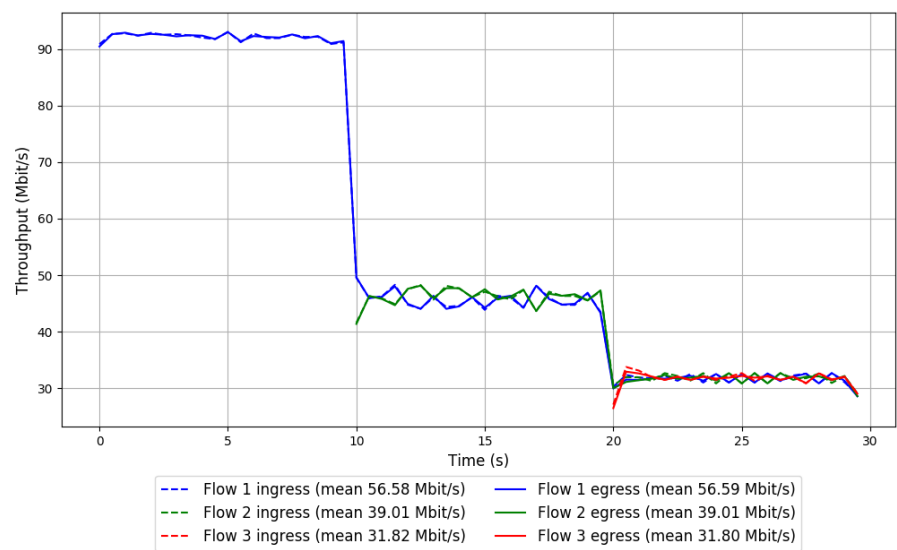


Run 3: Statistics of Copa

Start at: 2018-03-27 14:56:55
End at: 2018-03-27 14:57:25
Local clock offset: -5.737 ms
Remote clock offset: -6.499 ms

```
# Below is generated by plot.py at 2018-03-27 21:24:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 31.131 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.59 Mbit/s
95th percentile per-packet one-way delay: 30.635 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.29%
```


Run 3: Report of Copa — Data Link

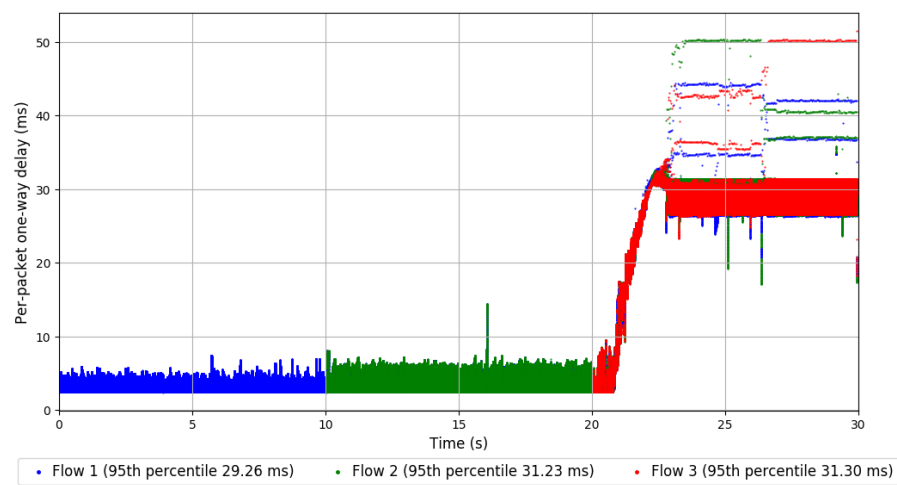
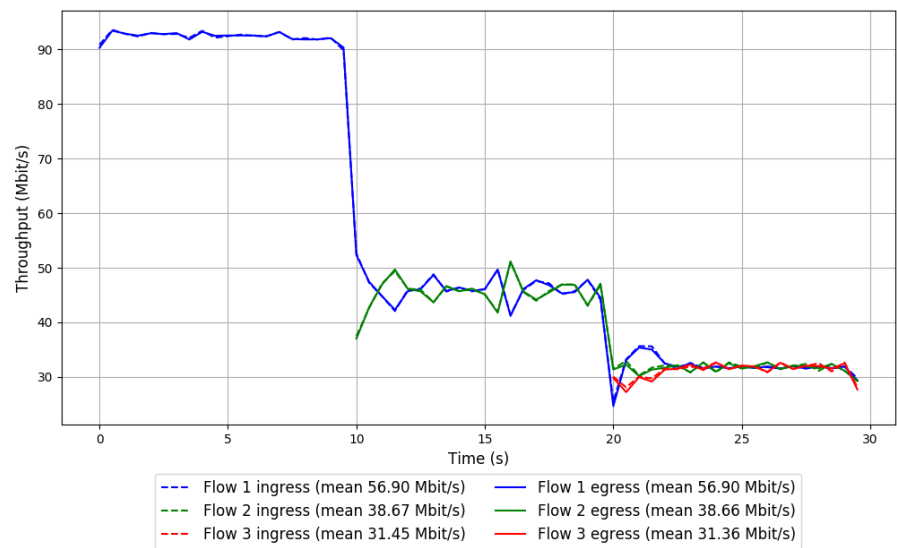


Run 4: Statistics of Copa

Start at: 2018-03-27 15:17:22
End at: 2018-03-27 15:17:53
Local clock offset: -6.901 ms
Remote clock offset: -6.651 ms

```
# Below is generated by plot.py at 2018-03-27 21:24:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 31.040 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 29.262 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.66 Mbit/s
95th percentile per-packet one-way delay: 31.231 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 31.299 ms
Loss rate: 0.38%
```

Run 4: Report of Copa — Data Link

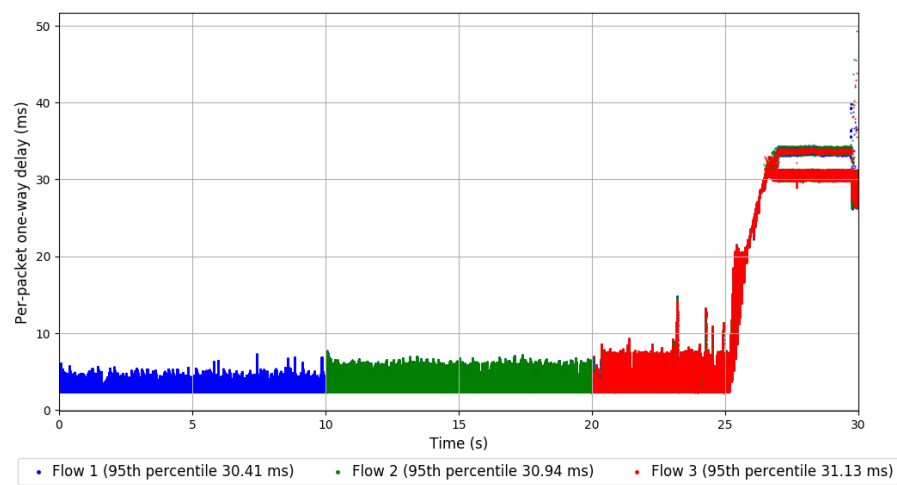
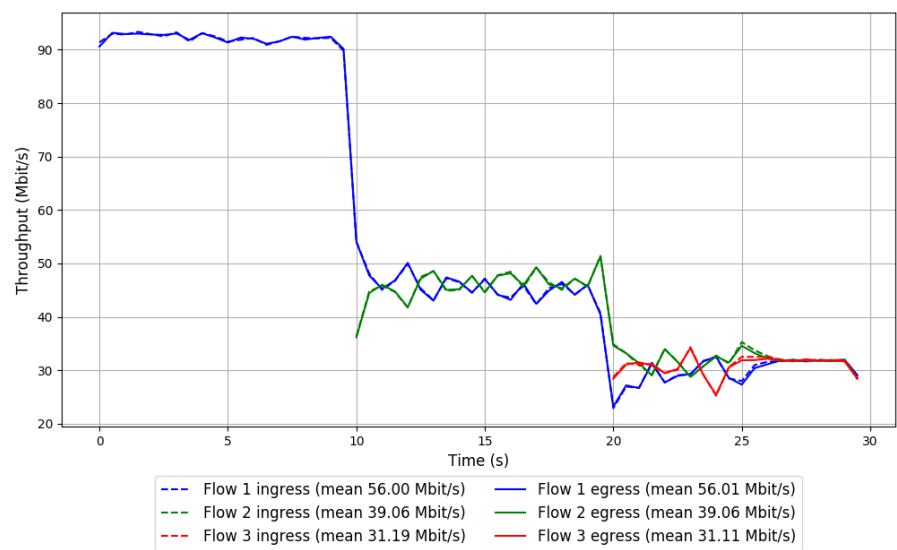


Run 5: Statistics of Copa

Start at: 2018-03-27 15:37:51
End at: 2018-03-27 15:38:21
Local clock offset: -6.998 ms
Remote clock offset: -6.721 ms

Below is generated by plot.py at 2018-03-27 21:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 30.865 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 30.413 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 30.938 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 31.133 ms
Loss rate: 0.31%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-27 15:58:16

End at: 2018-03-27 15:58:46

Local clock offset: -6.736 ms

Remote clock offset: -7.34 ms

Below is generated by plot.py at 2018-03-27 21:24:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 6.008 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 59.86 Mbit/s

95th percentile per-packet one-way delay: 5.867 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 44.09 Mbit/s

95th percentile per-packet one-way delay: 6.171 ms

Loss rate: 0.03%

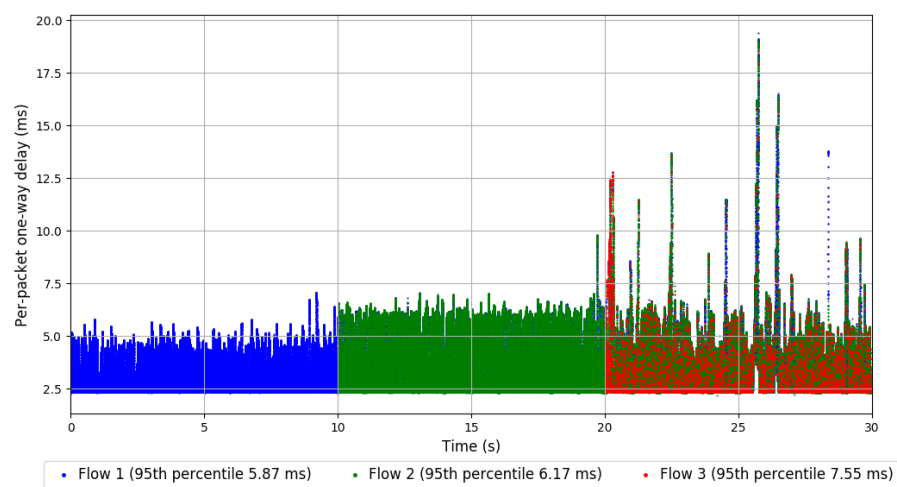
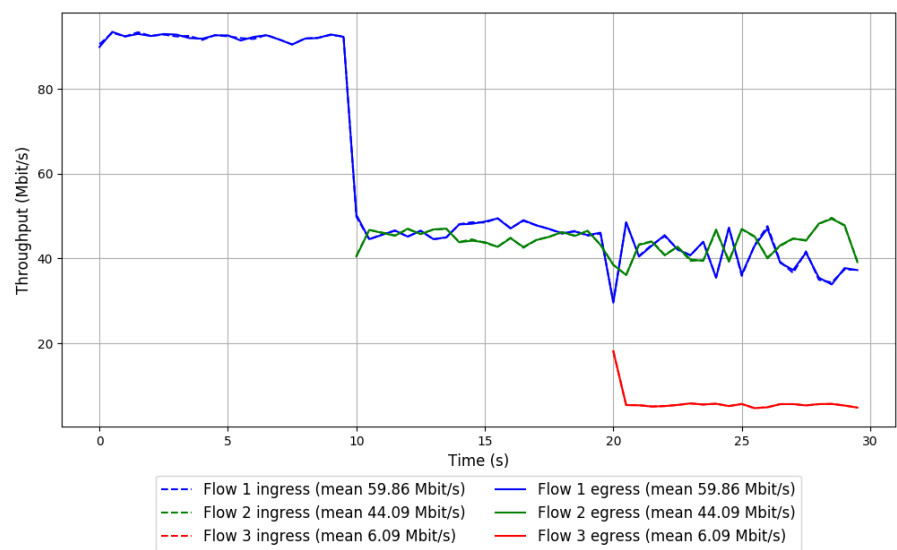
-- Flow 3:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 7.554 ms

Loss rate: 0.04%

Run 6: Report of Copa — Data Link

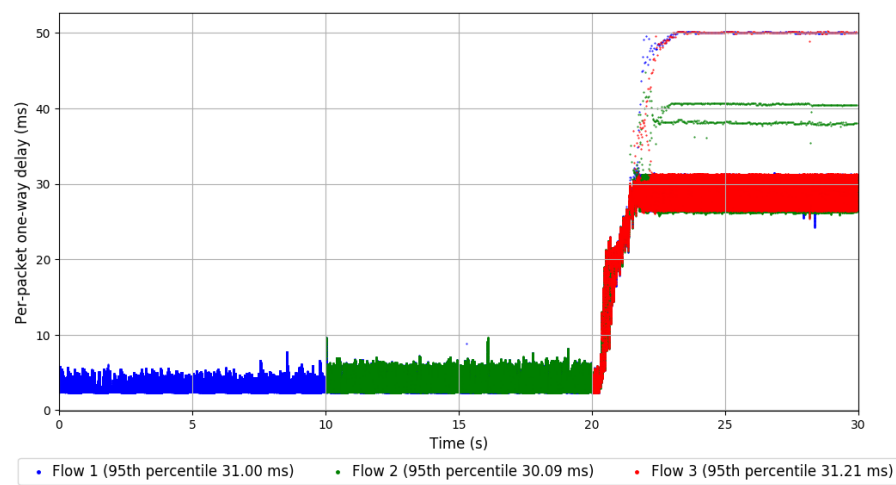
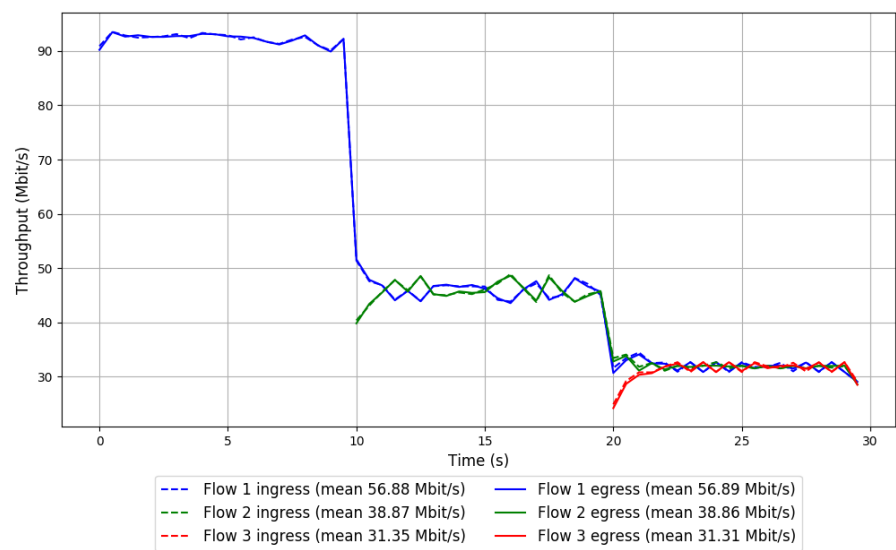


Run 7: Statistics of Copa

Start at: 2018-03-27 16:18:40
End at: 2018-03-27 16:19:10
Local clock offset: -5.986 ms
Remote clock offset: -7.696 ms

Below is generated by plot.py at 2018-03-27 21:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 31.085 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 30.998 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: 30.094 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.31 Mbit/s
95th percentile per-packet one-way delay: 31.215 ms
Loss rate: 0.38%

Run 7: Report of Copa — Data Link

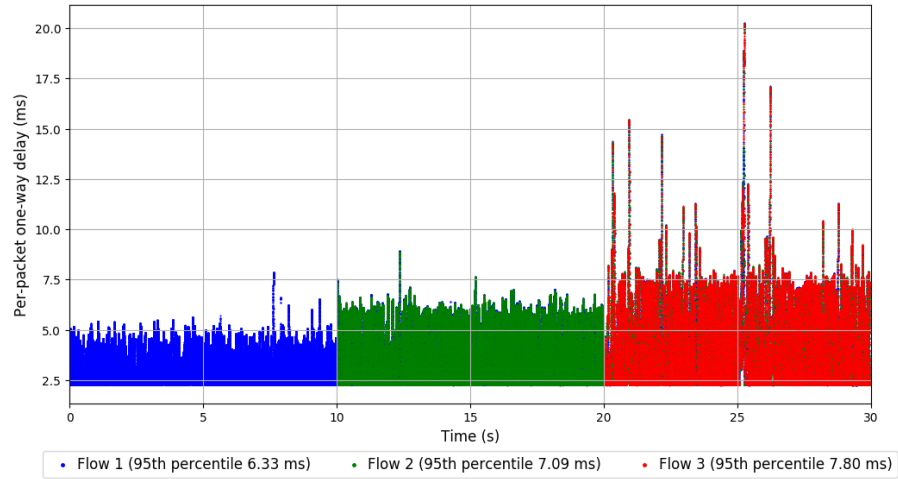
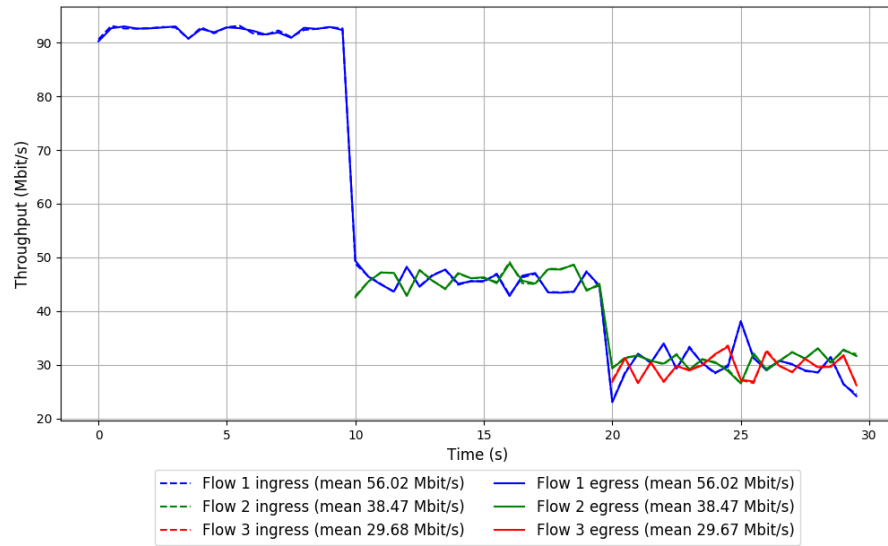


Run 8: Statistics of Copa

Start at: 2018-03-27 16:39:06
End at: 2018-03-27 16:39:36
Local clock offset: -5.713 ms
Remote clock offset: -7.963 ms

```
# Below is generated by plot.py at 2018-03-27 21:25:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 6.950 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 56.02 Mbit/s
95th percentile per-packet one-way delay: 6.335 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 7.088 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 7.804 ms
Loss rate: 0.08%
```

Run 8: Report of Copa — Data Link

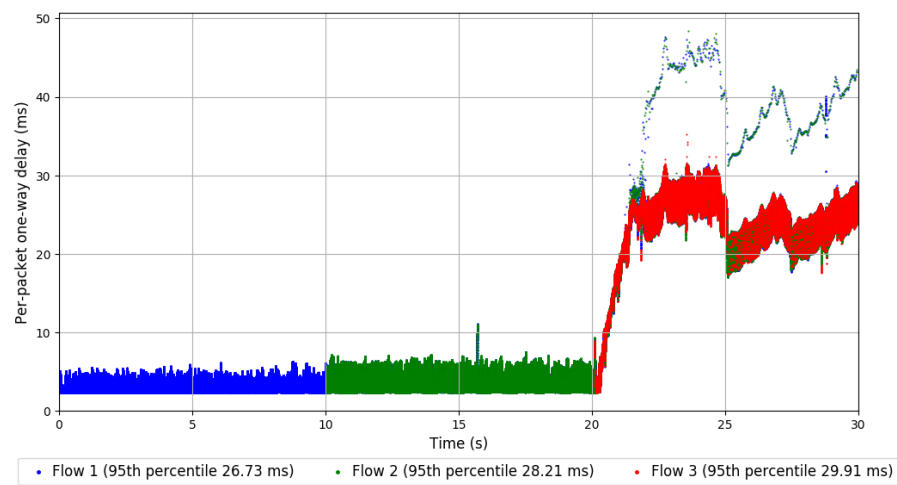
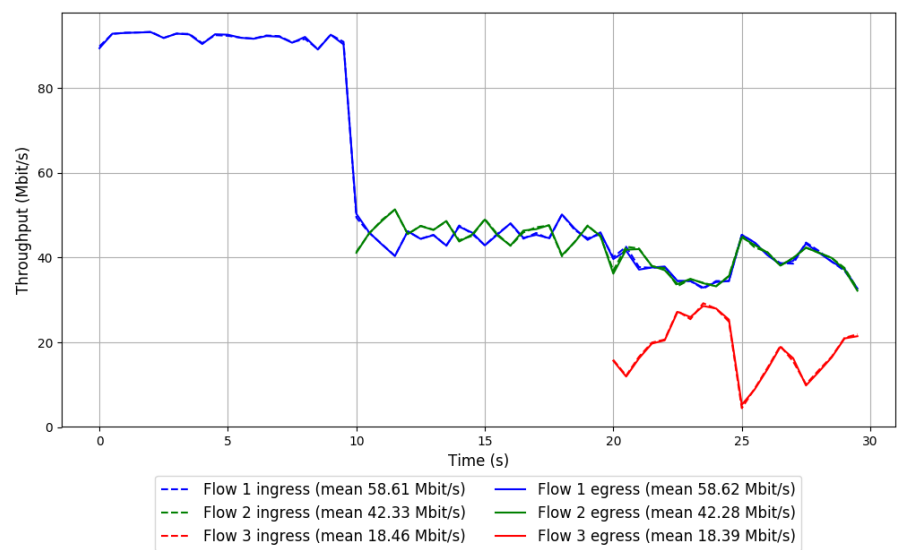


Run 9: Statistics of Copa

Start at: 2018-03-27 16:59:32
End at: 2018-03-27 17:00:02
Local clock offset: -5.707 ms
Remote clock offset: -7.222 ms

```
# Below is generated by plot.py at 2018-03-27 21:26:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 27.873 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.62 Mbit/s
95th percentile per-packet one-way delay: 26.728 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 28.211 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 29.914 ms
Loss rate: 0.45%
```

Run 9: Report of Copa — Data Link

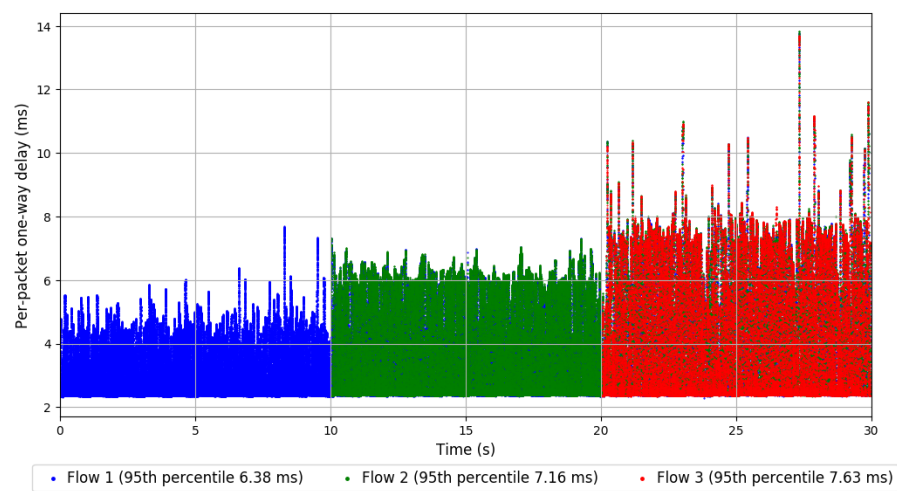
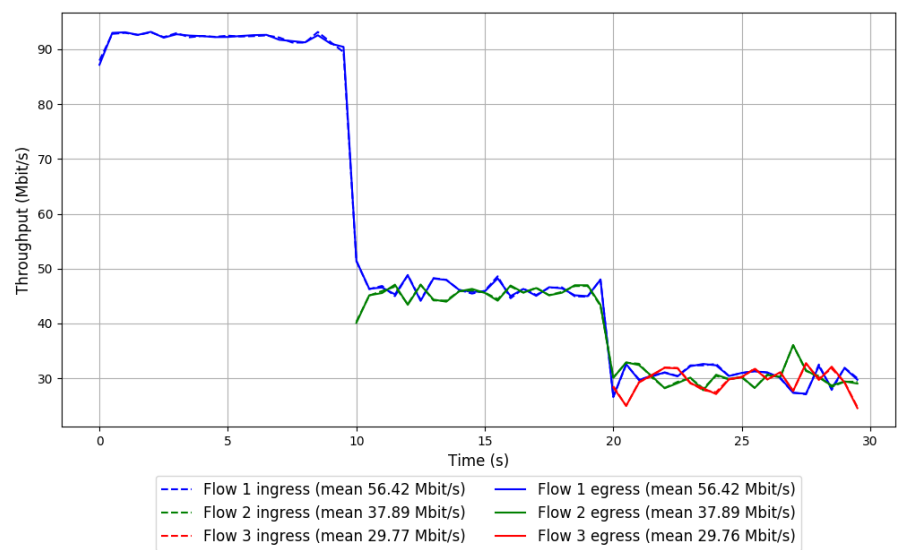


Run 10: Statistics of Copa

Start at: 2018-03-27 17:19:59
End at: 2018-03-27 17:20:29
Local clock offset: -5.754 ms
Remote clock offset: -6.365 ms

Below is generated by plot.py at 2018-03-27 21:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.48 Mbit/s
95th percentile per-packet one-way delay: 6.995 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 6.375 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 7.155 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 7.628 ms
Loss rate: 0.07%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-03-27 14:20:35

End at: 2018-03-27 14:21:05

Local clock offset: -5.498 ms

Remote clock offset: -6.621 ms

Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-03-27 14:40:58

End at: 2018-03-27 14:41:28

Local clock offset: -5.761 ms

Remote clock offset: -6.588 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-03-27 15:01:25

End at: 2018-03-27 15:01:55

Local clock offset: -5.994 ms

Remote clock offset: -6.457 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-03-27 15:21:53

End at: 2018-03-27 15:22:23

Local clock offset: -7.034 ms

Remote clock offset: -6.643 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-03-27 15:42:20

End at: 2018-03-27 15:42:50

Local clock offset: -6.84 ms

Remote clock offset: -6.732 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-03-27 16:02:45

End at: 2018-03-27 16:03:15

Local clock offset: -6.703 ms

Remote clock offset: -7.419 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-03-27 16:23:10

End at: 2018-03-27 16:23:40

Local clock offset: -5.873 ms

Remote clock offset: -7.821 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2018-03-27 16:43:35

End at: 2018-03-27 16:44:05

Local clock offset: -5.637 ms

Remote clock offset: -8.085 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-03-27 17:04:02

End at: 2018-03-27 17:04:32

Local clock offset: -5.713 ms

Remote clock offset: -6.875 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-03-27 17:24:27

End at: 2018-03-27 17:24:57

Local clock offset: -5.781 ms

Remote clock offset: -6.3 ms

Run 10: Report of FillP — Data Link

Figure is missing

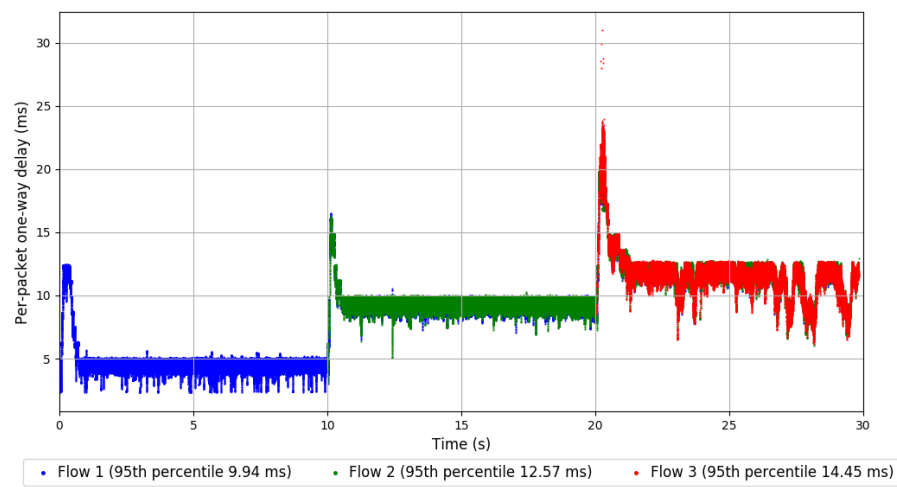
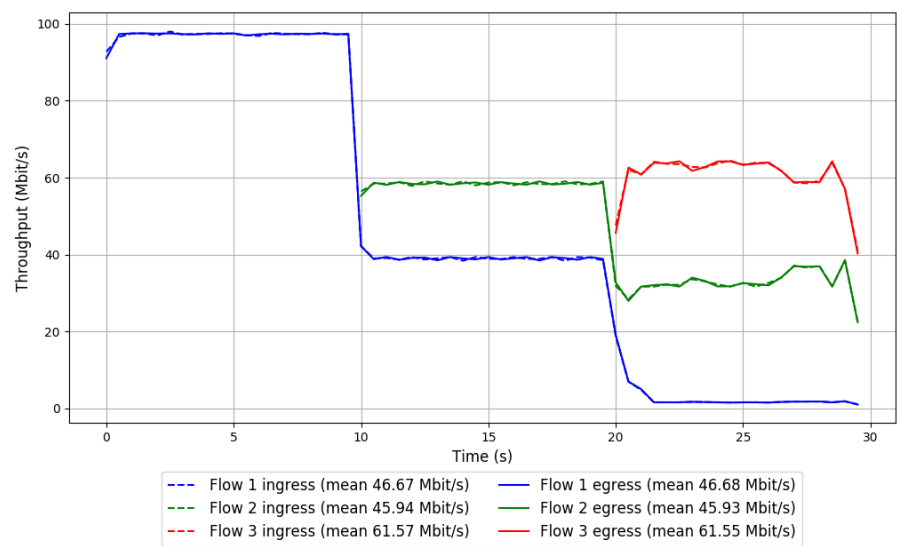
Figure is missing

Run 1: Statistics of Indigo-1-32

Start at: 2018-03-27 14:34:12
End at: 2018-03-27 14:34:42
Local clock offset: -5.721 ms
Remote clock offset: -6.485 ms

Below is generated by plot.py at 2018-03-27 21:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 12.543 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 9.936 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 12.571 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 14.453 ms
Loss rate: 0.15%

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

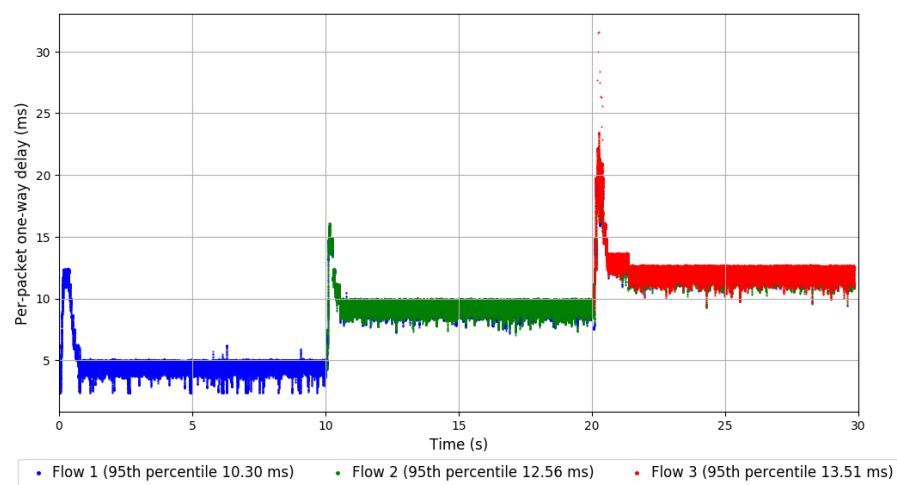
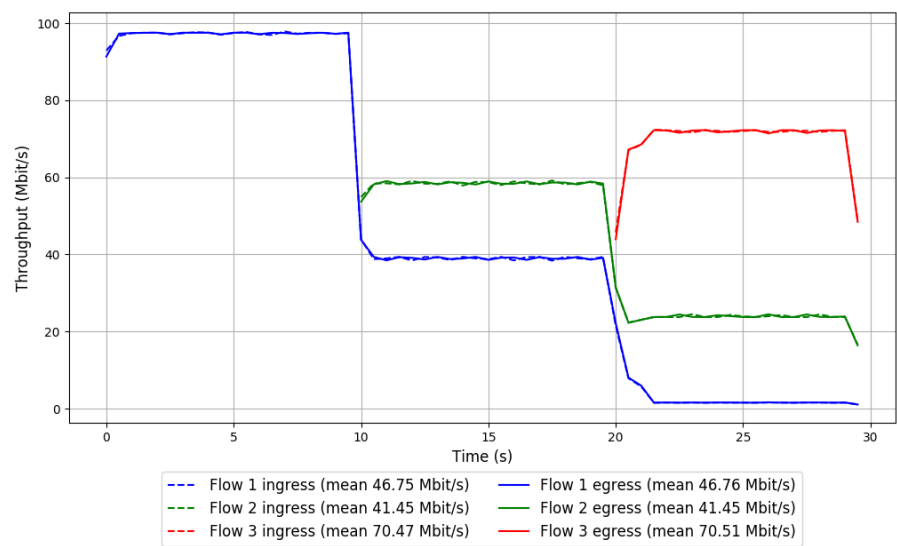


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-27 14:54:37
End at: 2018-03-27 14:55:08
Local clock offset: -5.742 ms
Remote clock offset: -6.503 ms

Below is generated by plot.py at 2018-03-27 21:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.613 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 10.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.45 Mbit/s
95th percentile per-packet one-way delay: 12.557 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 13.506 ms
Loss rate: 0.15%

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

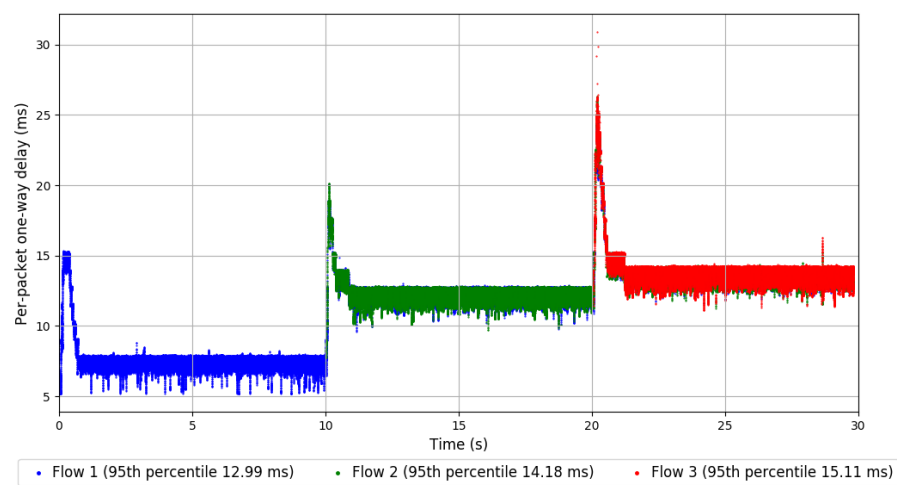
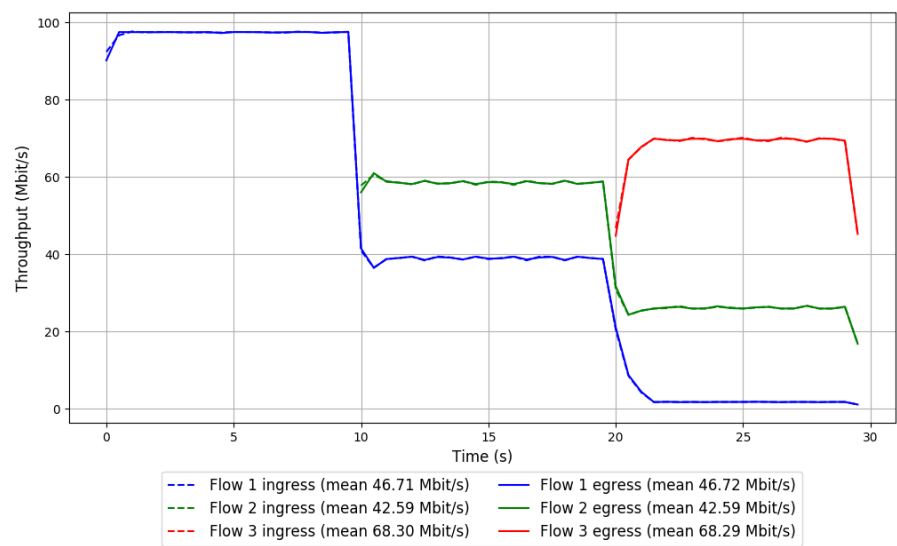


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-27 15:15:05
End at: 2018-03-27 15:15:35
Local clock offset: -6.843 ms
Remote clock offset: -9.346 ms

Below is generated by plot.py at 2018-03-27 21:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 14.248 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.72 Mbit/s
95th percentile per-packet one-way delay: 12.987 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 14.183 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 68.29 Mbit/s
95th percentile per-packet one-way delay: 15.111 ms
Loss rate: 0.14%

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

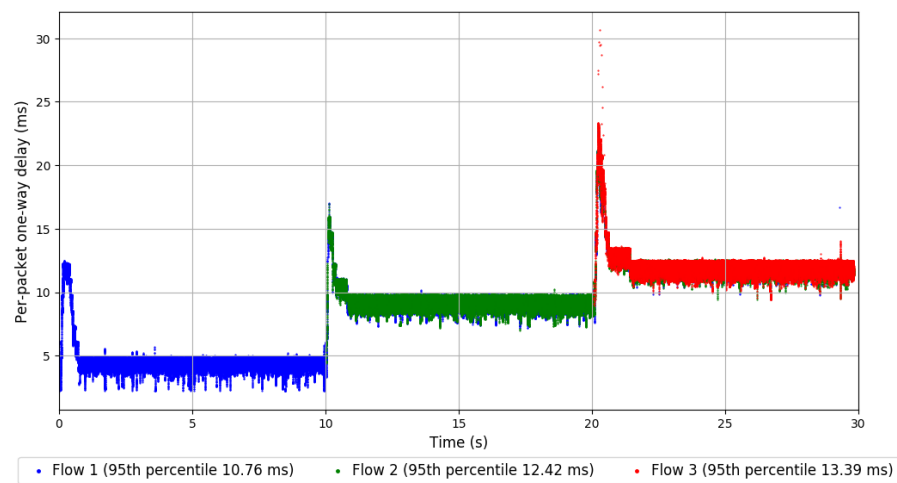
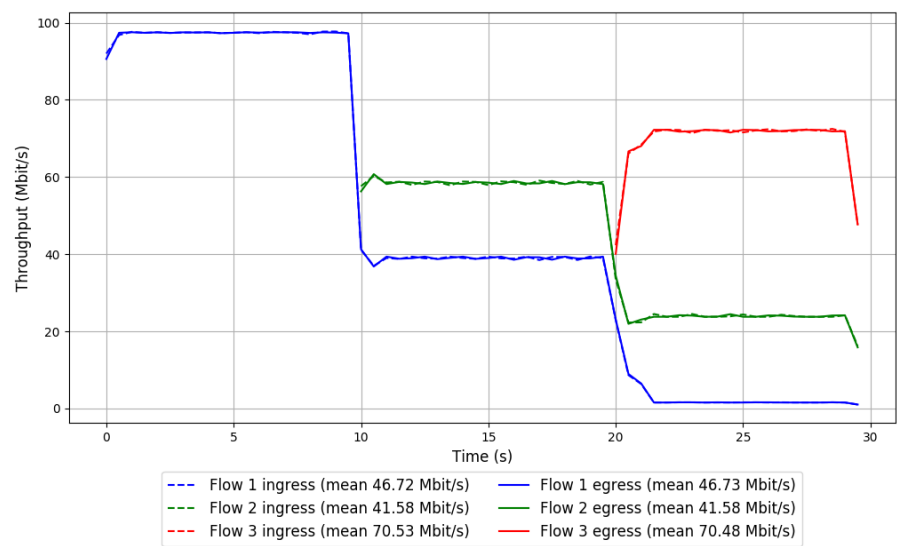


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-27 15:35:33
End at: 2018-03-27 15:36:03
Local clock offset: -7.189 ms
Remote clock offset: -6.719 ms

Below is generated by plot.py at 2018-03-27 21:26:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.474 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: 10.762 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.58 Mbit/s
95th percentile per-packet one-way delay: 12.423 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 70.48 Mbit/s
95th percentile per-packet one-way delay: 13.395 ms
Loss rate: 0.13%

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

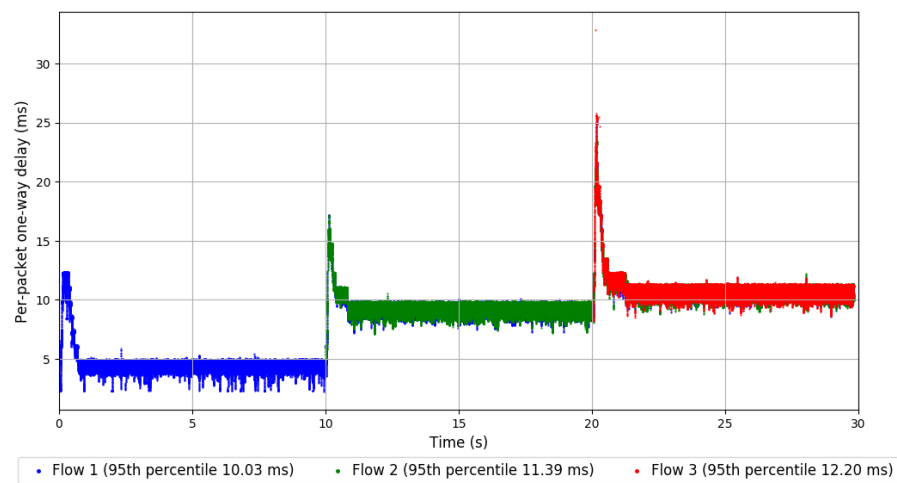
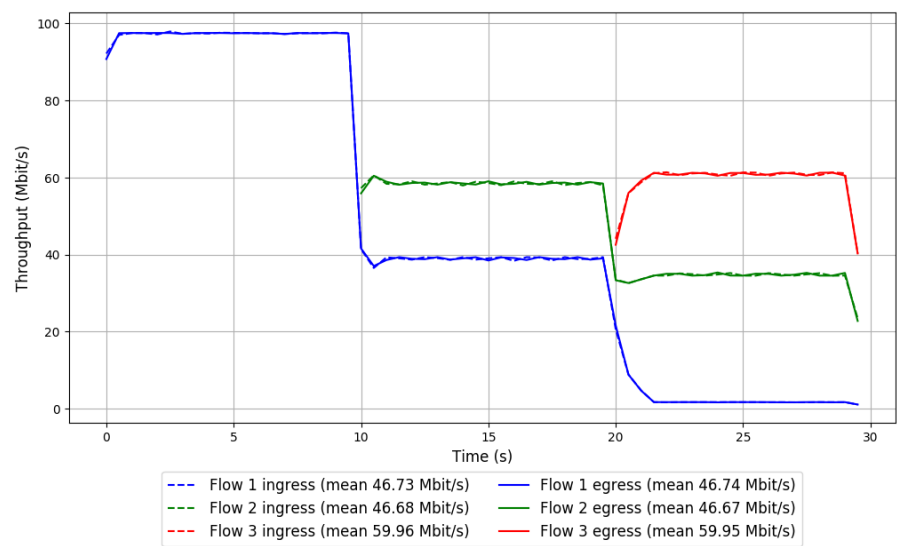


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-27 15:55:58
End at: 2018-03-27 15:56:28
Local clock offset: -6.798 ms
Remote clock offset: -7.295 ms

Below is generated by plot.py at 2018-03-27 21:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 11.321 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.74 Mbit/s
95th percentile per-packet one-way delay: 10.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 11.394 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 12.203 ms
Loss rate: 0.14%

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

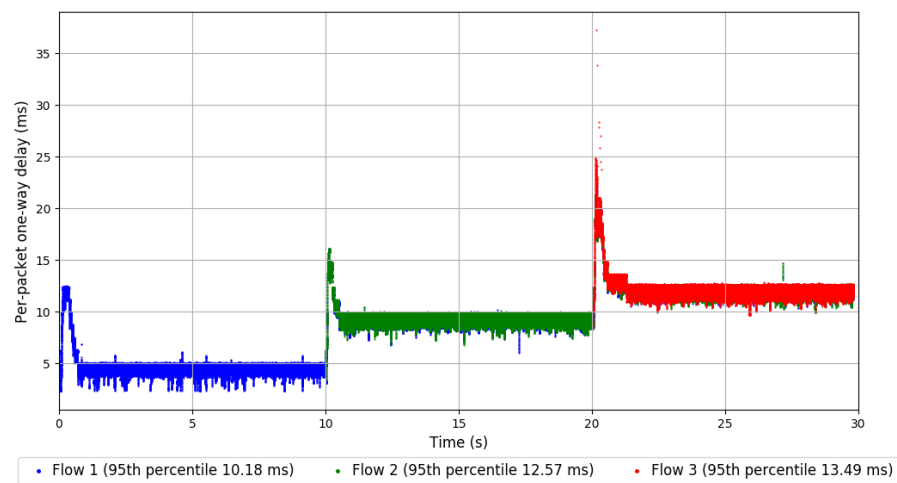
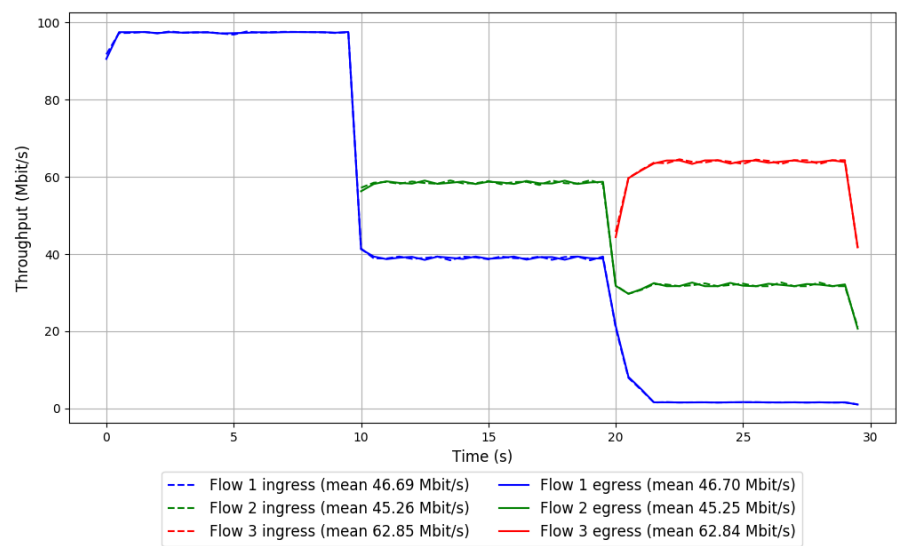


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-27 16:16:22
End at: 2018-03-27 16:16:52
Local clock offset: -6.087 ms
Remote clock offset: -7.653 ms

Below is generated by plot.py at 2018-03-27 21:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.570 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 10.179 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 12.566 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 13.488 ms
Loss rate: 0.13%

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

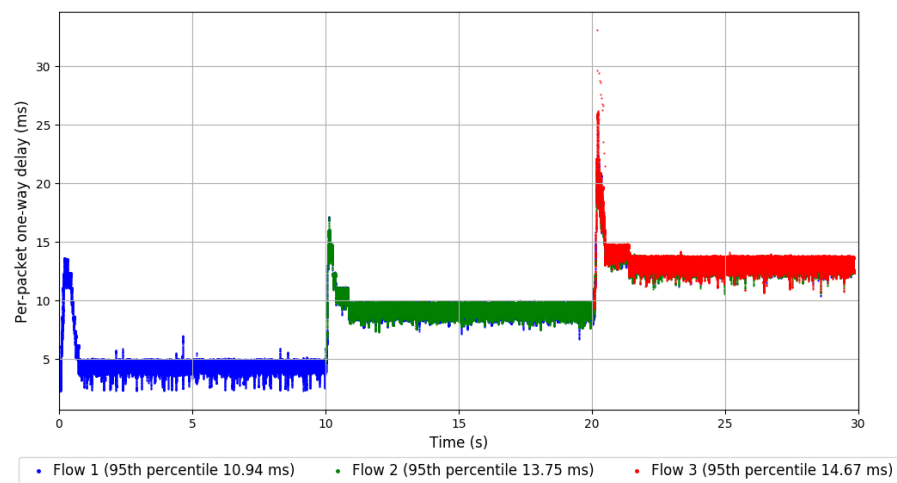
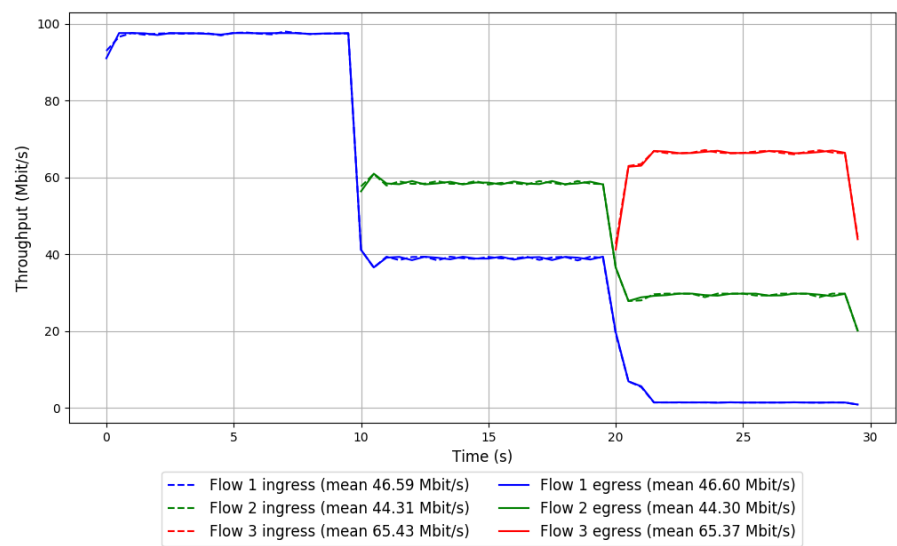


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-27 16:36:48
End at: 2018-03-27 16:37:18
Local clock offset: -5.696 ms
Remote clock offset: -7.929 ms

Below is generated by plot.py at 2018-03-27 21:27:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 13.765 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.60 Mbit/s
95th percentile per-packet one-way delay: 10.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.30 Mbit/s
95th percentile per-packet one-way delay: 13.747 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 65.37 Mbit/s
95th percentile per-packet one-way delay: 14.670 ms
Loss rate: 0.16%

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

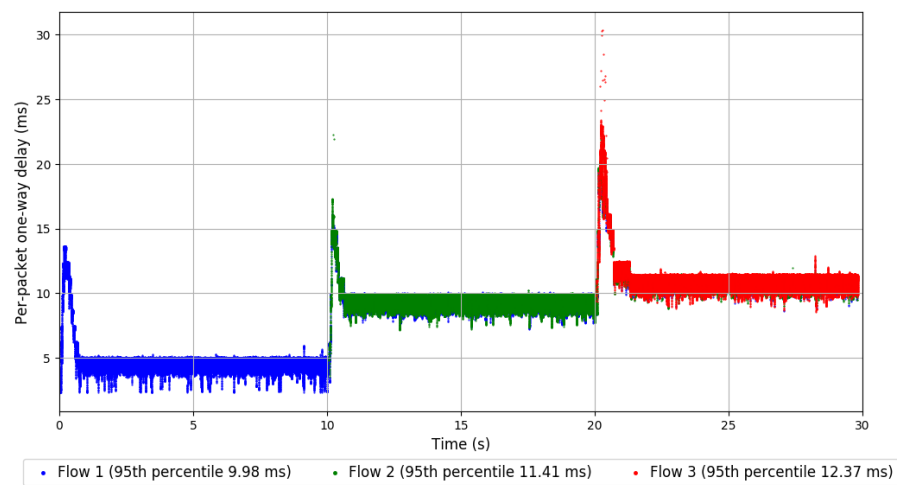
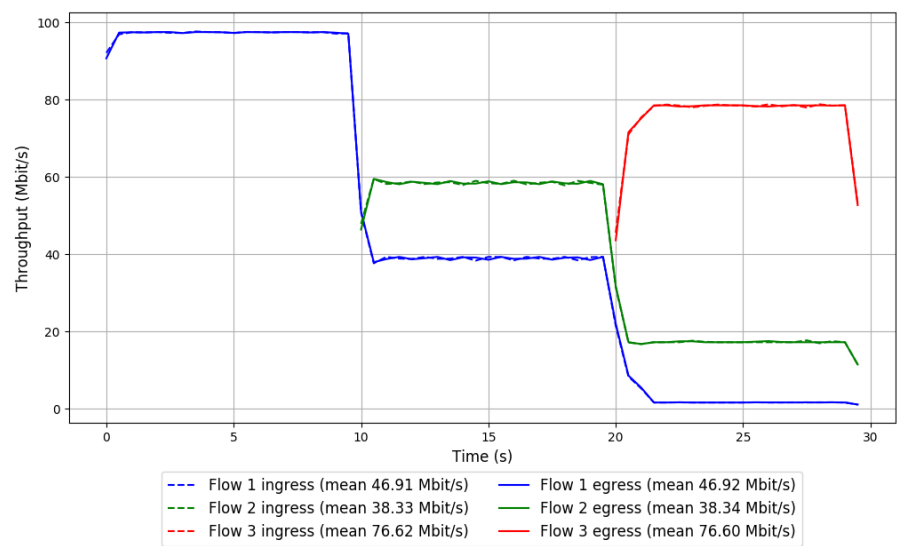


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-27 16:57:14
End at: 2018-03-27 16:57:44
Local clock offset: -5.718 ms
Remote clock offset: -7.447 ms

Below is generated by plot.py at 2018-03-27 21:27:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 11.591 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.92 Mbit/s
95th percentile per-packet one-way delay: 9.977 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 11.406 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 12.372 ms
Loss rate: 0.14%

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

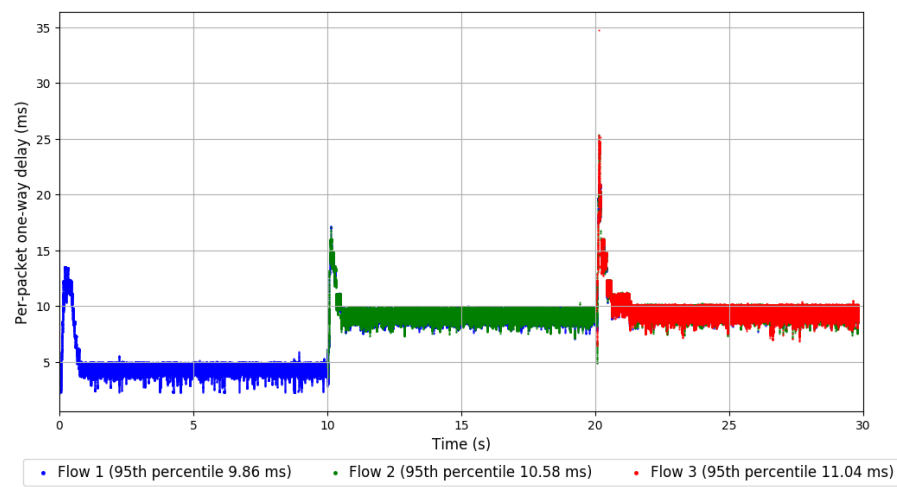
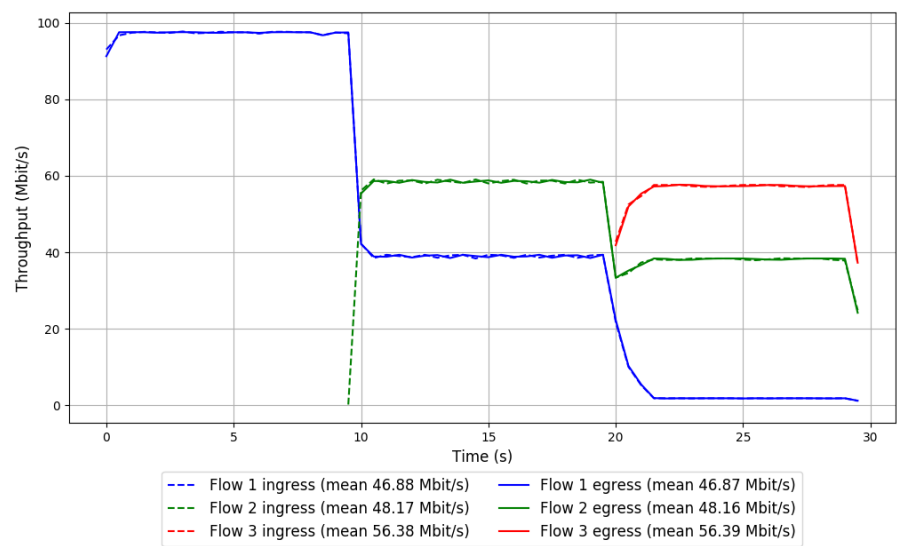


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-27 17:17:41
End at: 2018-03-27 17:18:11
Local clock offset: -5.777 ms
Remote clock offset: -6.404 ms

Below is generated by plot.py at 2018-03-27 21:27:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 10.613 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 9.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 10.581 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 11.036 ms
Loss rate: 0.11%

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

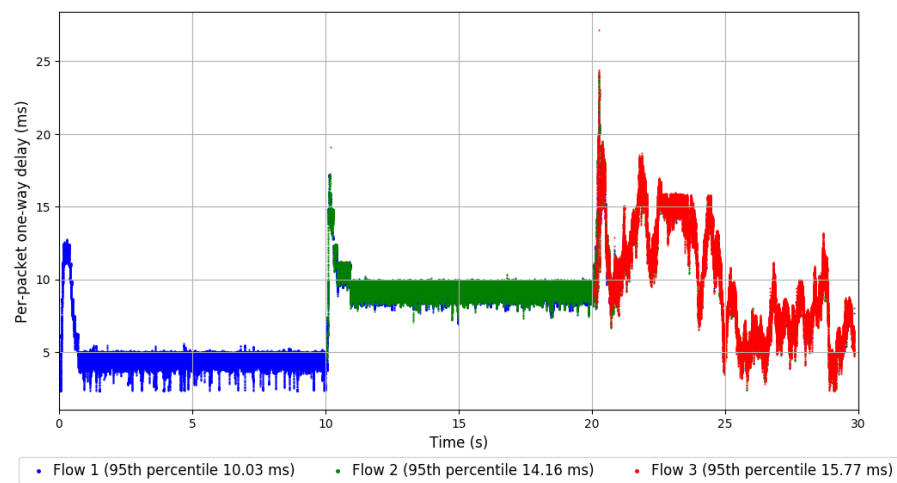
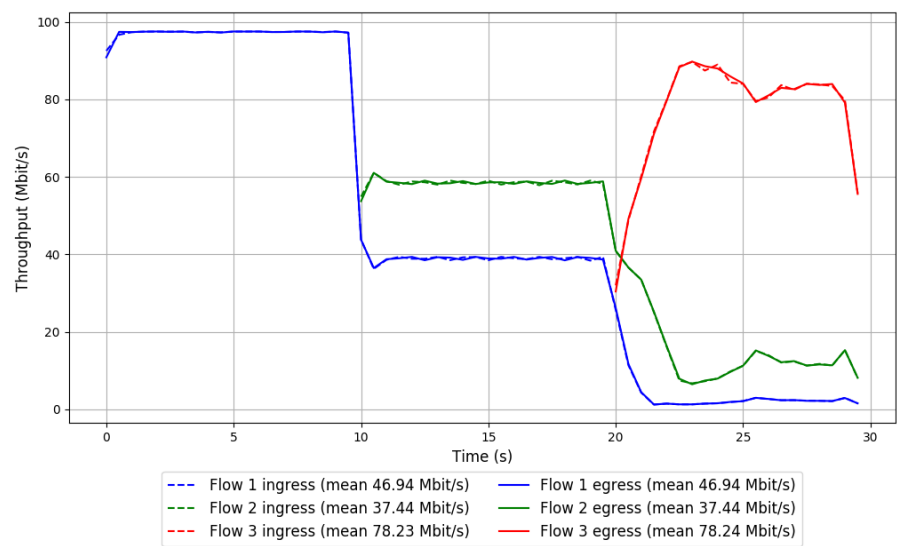


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-27 17:38:08
End at: 2018-03-27 17:38:38
Local clock offset: -5.881 ms
Remote clock offset: -6.561 ms

Below is generated by plot.py at 2018-03-27 21:27:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 14.670 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 10.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 14.164 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 78.24 Mbit/s
95th percentile per-packet one-way delay: 15.766 ms
Loss rate: 0.10%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-03-27 14:22:48

End at: 2018-03-27 14:23:18

Local clock offset: -5.483 ms

Remote clock offset: -6.66 ms

Below is generated by plot.py at 2018-03-27 21:27:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 22.078 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 6.489 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 31.73 Mbit/s

95th percentile per-packet one-way delay: 23.986 ms

Loss rate: 0.03%

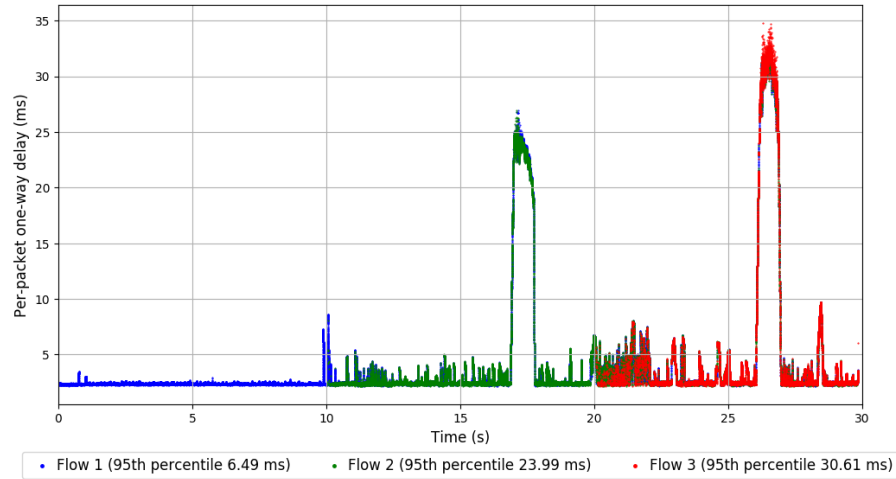
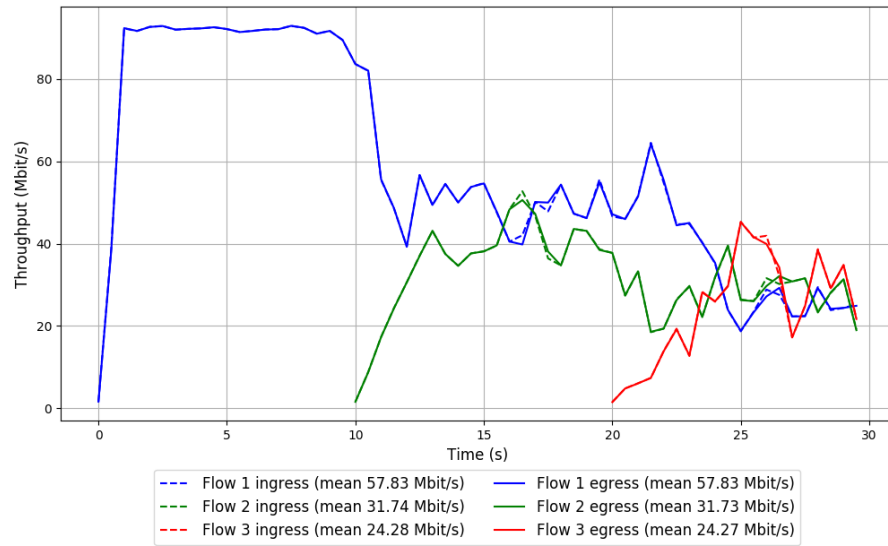
-- Flow 3:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 30.609 ms

Loss rate: 0.07%

Run 1: Report of Vivace-latency — Data Link

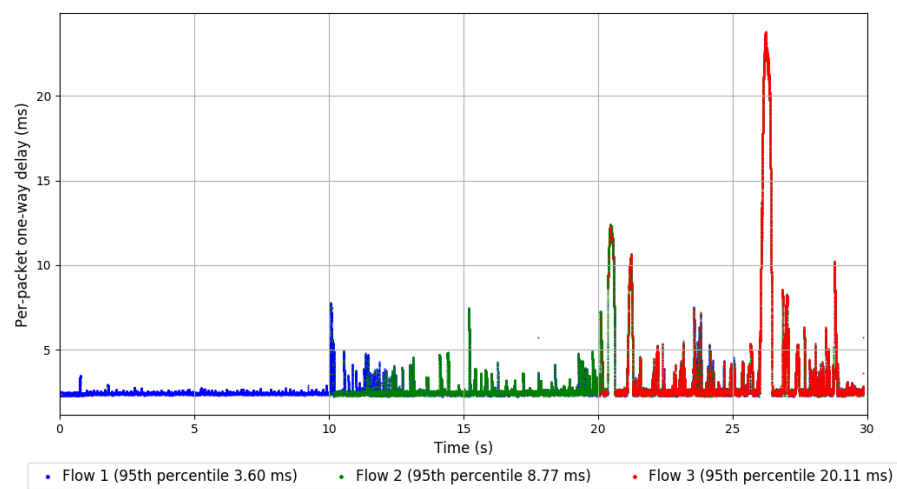
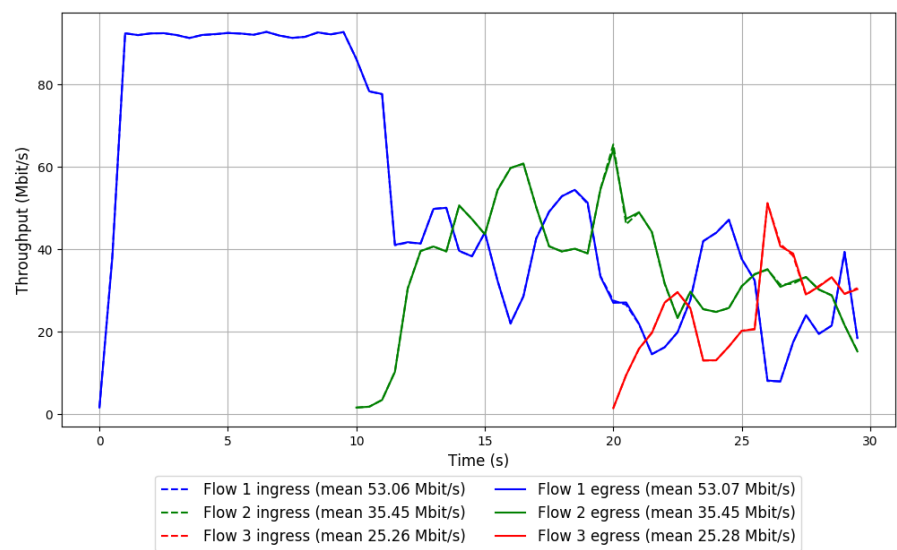


Run 2: Statistics of Vivace-latency

Start at: 2018-03-27 14:43:13
End at: 2018-03-27 14:43:43
Local clock offset: -5.768 ms
Remote clock offset: -6.606 ms

Below is generated by plot.py at 2018-03-27 21:27:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 5.192 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 3.601 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 8.765 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 20.110 ms
Loss rate: 0.09%

Run 2: Report of Vivace-latency — Data Link

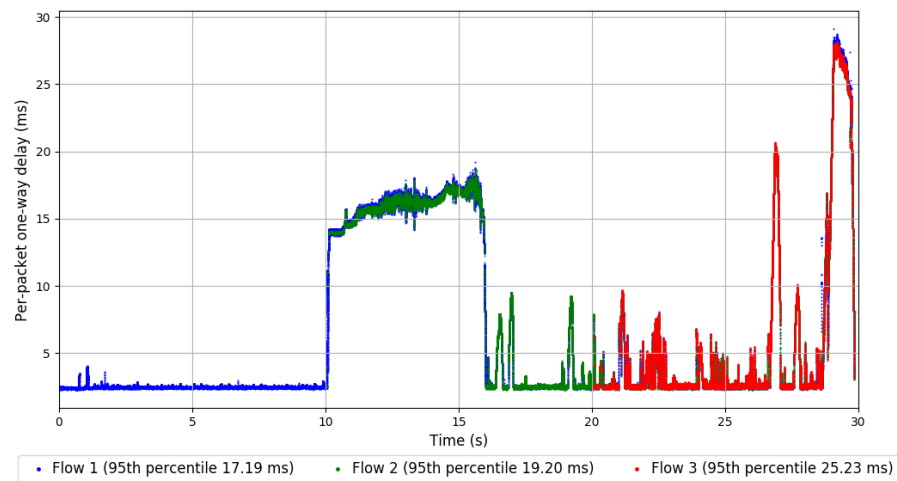
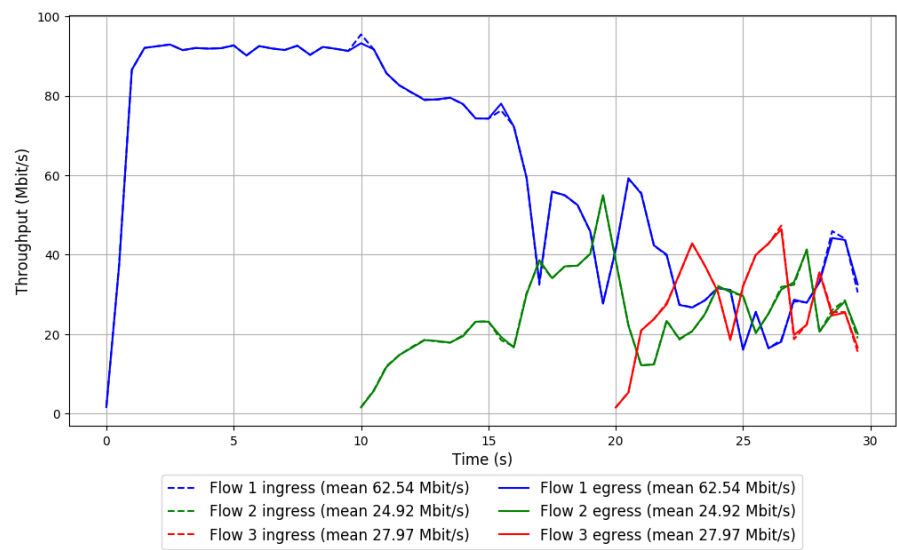


Run 3: Statistics of Vivace-latency

Start at: 2018-03-27 15:03:38
End at: 2018-03-27 15:04:08
Local clock offset: -6.203 ms
Remote clock offset: -6.437 ms

Below is generated by plot.py at 2018-03-27 21:28:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.29 Mbit/s
95th percentile per-packet one-way delay: 17.358 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.54 Mbit/s
95th percentile per-packet one-way delay: 17.192 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 19.199 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 27.97 Mbit/s
95th percentile per-packet one-way delay: 25.234 ms
Loss rate: 0.04%

Run 3: Report of Vivace-latency — Data Link

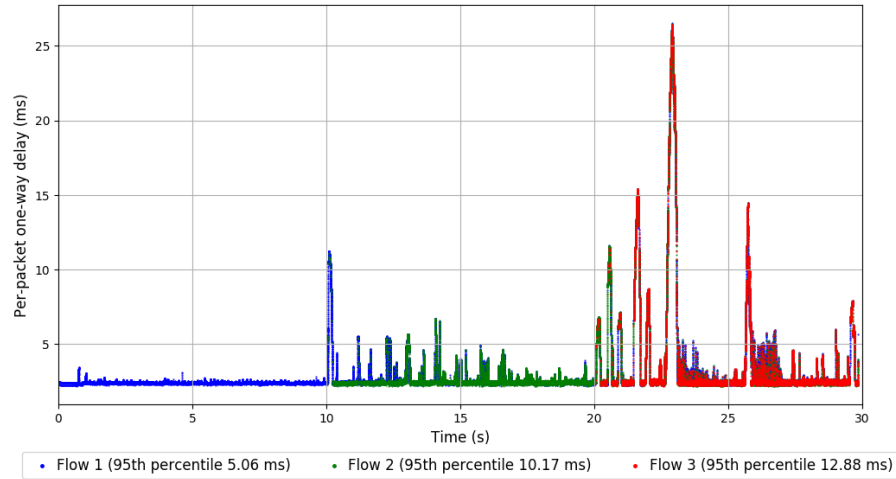
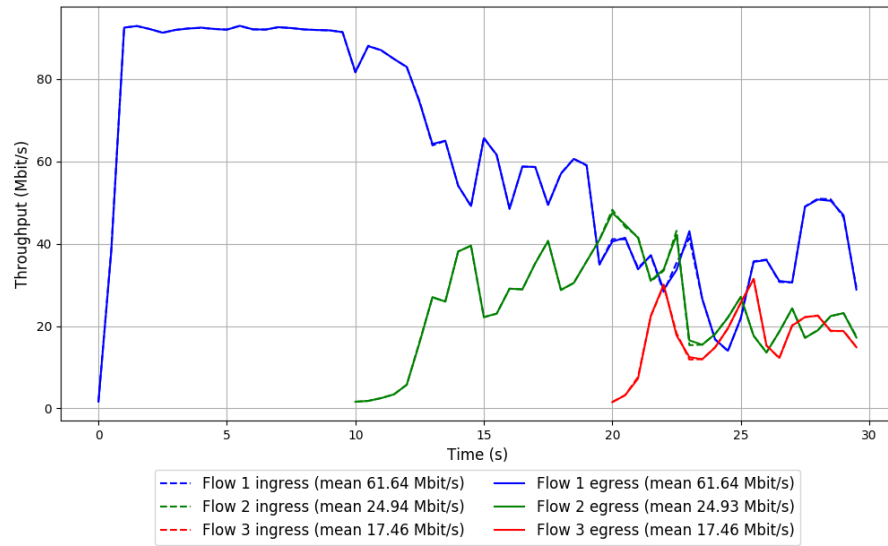


Run 4: Statistics of Vivace-latency

Start at: 2018-03-27 15:24:06
End at: 2018-03-27 15:24:36
Local clock offset: -7.054 ms
Remote clock offset: -6.661 ms

Below is generated by plot.py at 2018-03-27 21:28:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 6.688 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.64 Mbit/s
95th percentile per-packet one-way delay: 5.057 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 10.173 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 17.46 Mbit/s
95th percentile per-packet one-way delay: 12.879 ms
Loss rate: 0.07%

Run 4: Report of Vivace-latency — Data Link

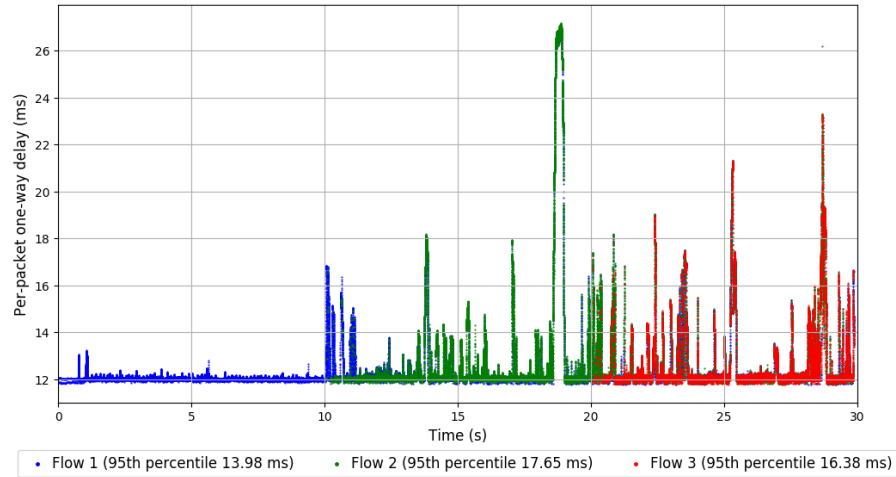
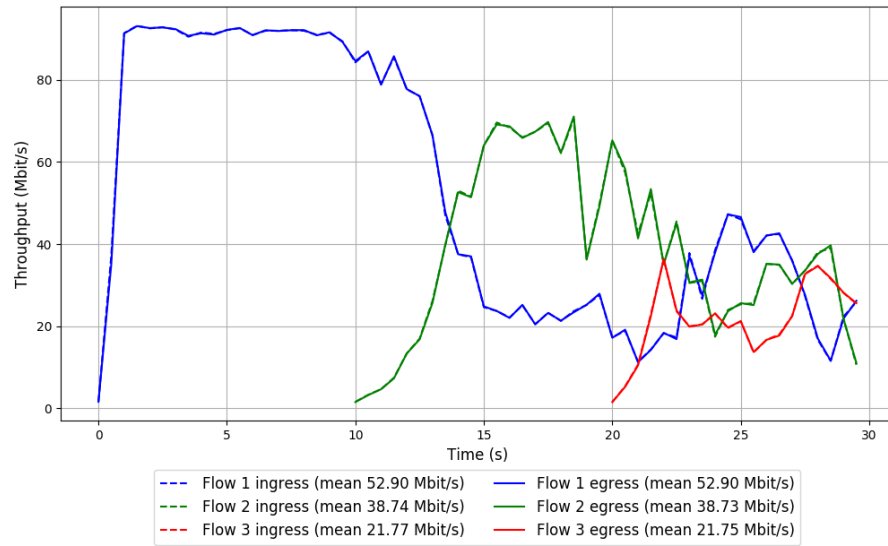


Run 5: Statistics of Vivace-latency

Start at: 2018-03-27 15:44:33
End at: 2018-03-27 15:45:03
Local clock offset: -6.842 ms
Remote clock offset: -16.454 ms

Below is generated by plot.py at 2018-03-27 21:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 15.192 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 13.980 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 17.649 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 16.383 ms
Loss rate: 0.11%

Run 5: Report of Vivace-latency — Data Link

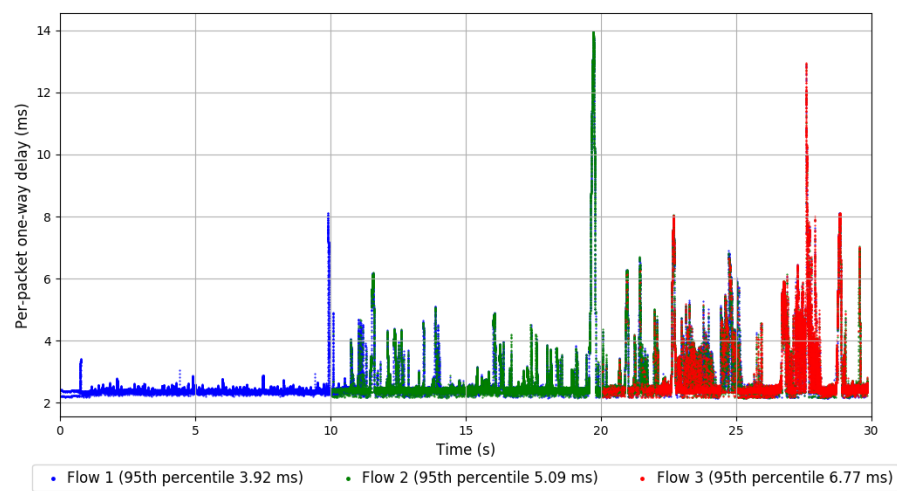
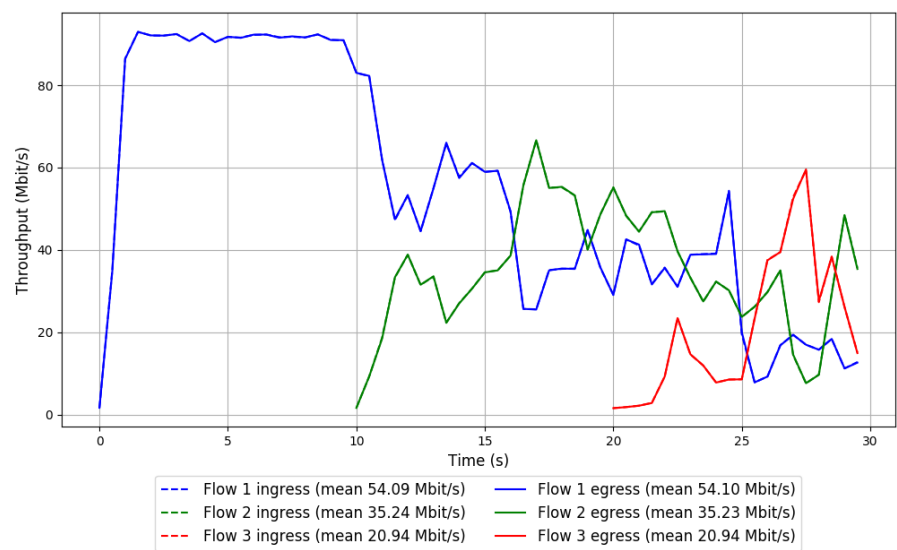


Run 6: Statistics of Vivace-latency

Start at: 2018-03-27 16:04:58
End at: 2018-03-27 16:05:28
Local clock offset: -6.743 ms
Remote clock offset: -7.489 ms

Below is generated by plot.py at 2018-03-27 21:28:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 4.626 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 3.922 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 5.090 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 20.94 Mbit/s
95th percentile per-packet one-way delay: 6.772 ms
Loss rate: 0.07%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-27 16:25:23

End at: 2018-03-27 16:25:53

Local clock offset: -5.84 ms

Remote clock offset: -7.77 ms

Below is generated by plot.py at 2018-03-27 21:28:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.49 Mbit/s

95th percentile per-packet one-way delay: 3.855 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.66 Mbit/s

95th percentile per-packet one-way delay: 3.370 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 32.44 Mbit/s

95th percentile per-packet one-way delay: 4.357 ms

Loss rate: 0.02%

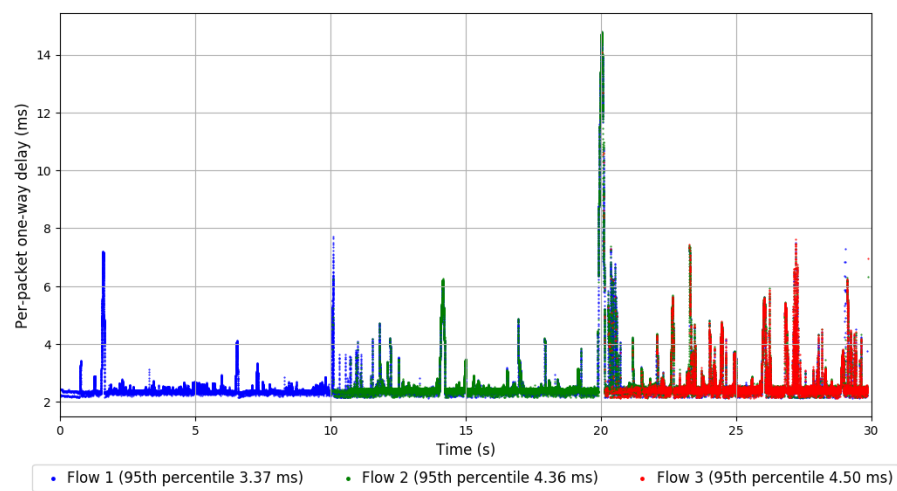
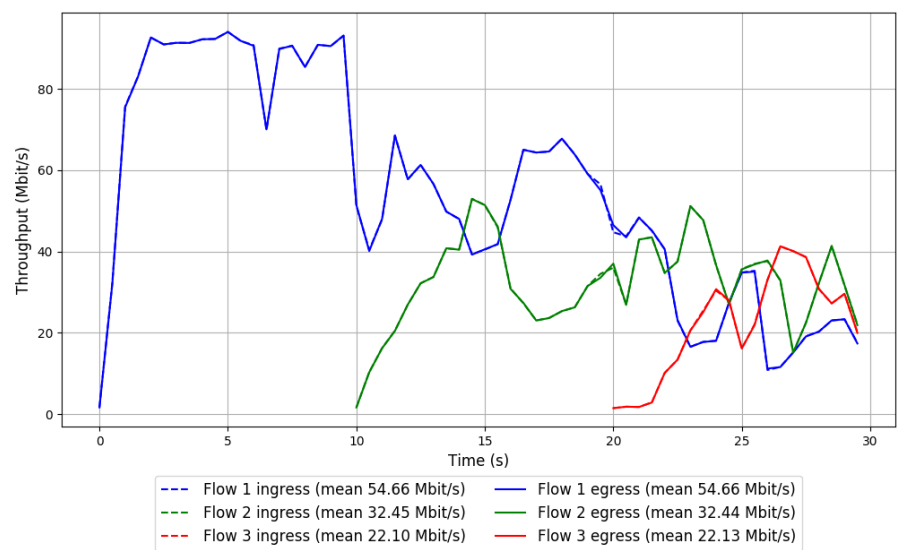
-- Flow 3:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 4.504 ms

Loss rate: 0.07%

Run 7: Report of Vivace-latency — Data Link

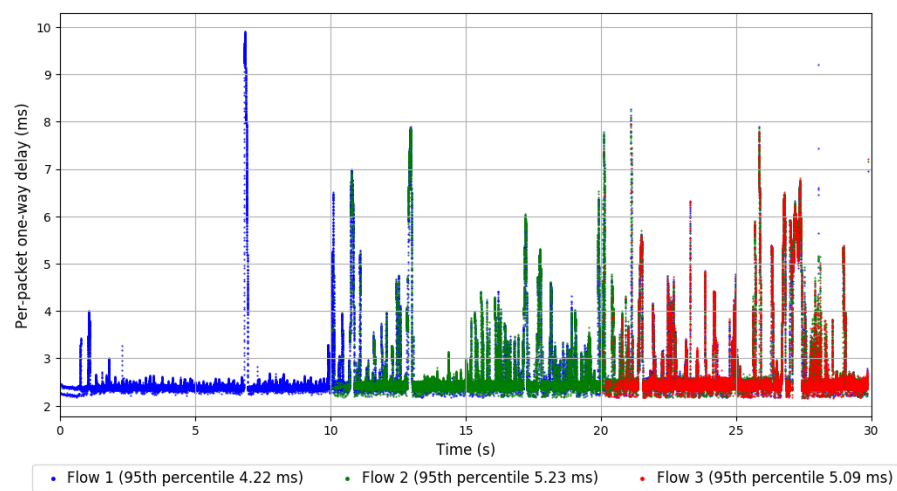
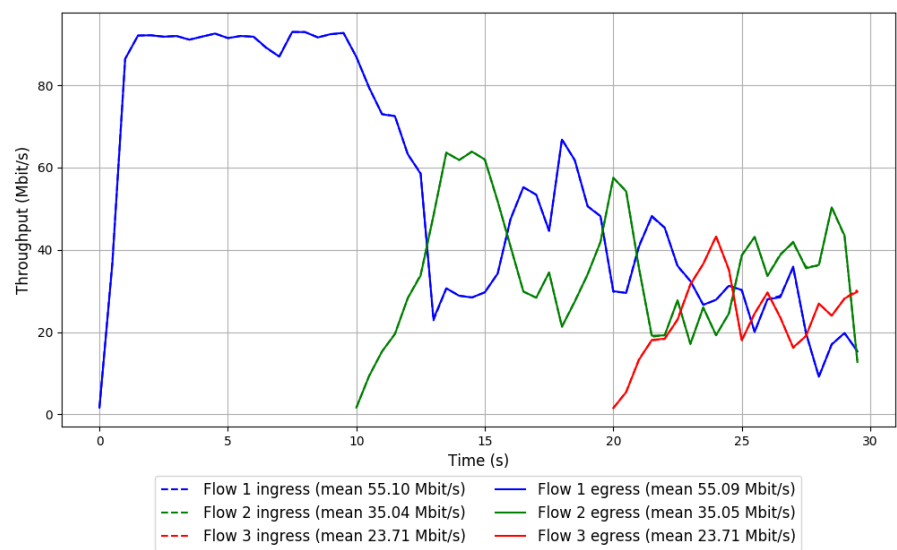


Run 8: Statistics of Vivace-latency

Start at: 2018-03-27 16:45:48
End at: 2018-03-27 16:46:18
Local clock offset: -5.672 ms
Remote clock offset: -8.061 ms

```
# Below is generated by plot.py at 2018-03-27 21:29:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.20 Mbit/s
95th percentile per-packet one-way delay: 4.713 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 4.219 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 5.226 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 5.087 ms
Loss rate: 0.12%
```

Run 8: Report of Vivace-latency — Data Link

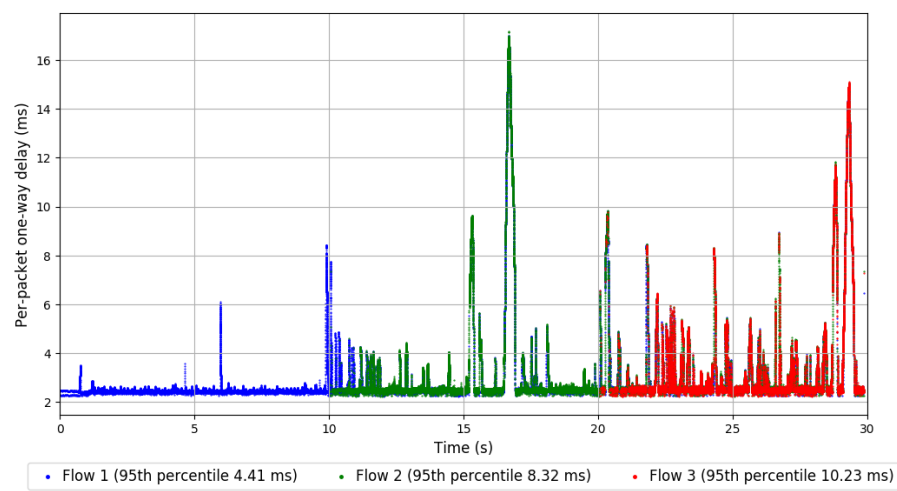
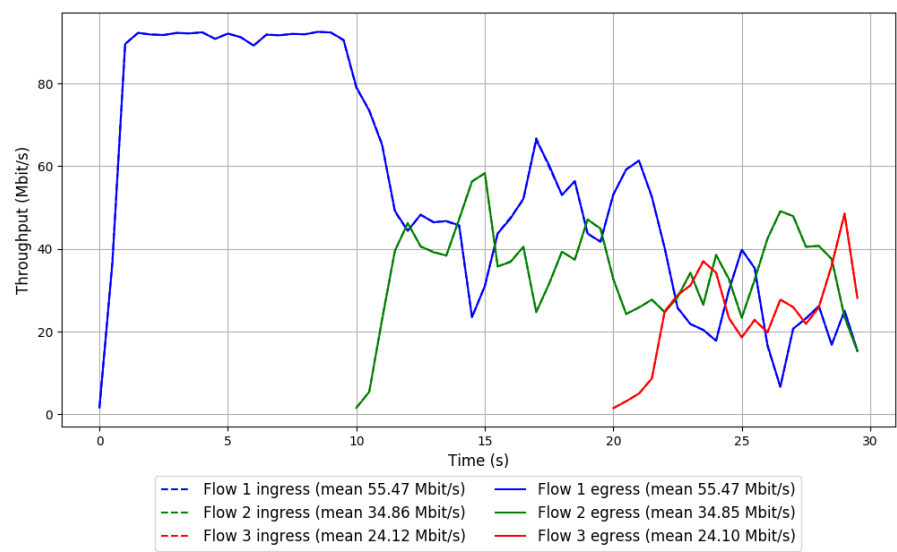


Run 9: Statistics of Vivace-latency

Start at: 2018-03-27 17:06:15
End at: 2018-03-27 17:06:45
Local clock offset: -5.708 ms
Remote clock offset: -6.827 ms

Below is generated by plot.py at 2018-03-27 21:29:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 6.300 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 4.406 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 8.321 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 10.228 ms
Loss rate: 0.08%

Run 9: Report of Vivace-latency — Data Link

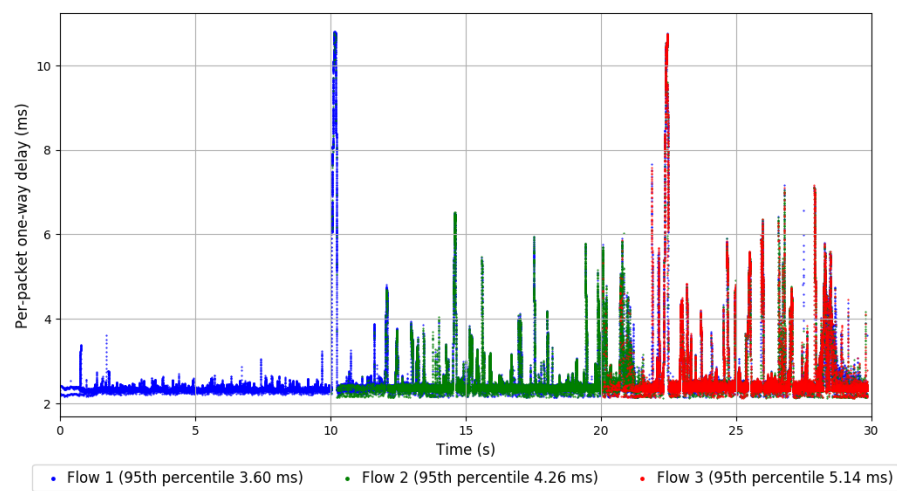
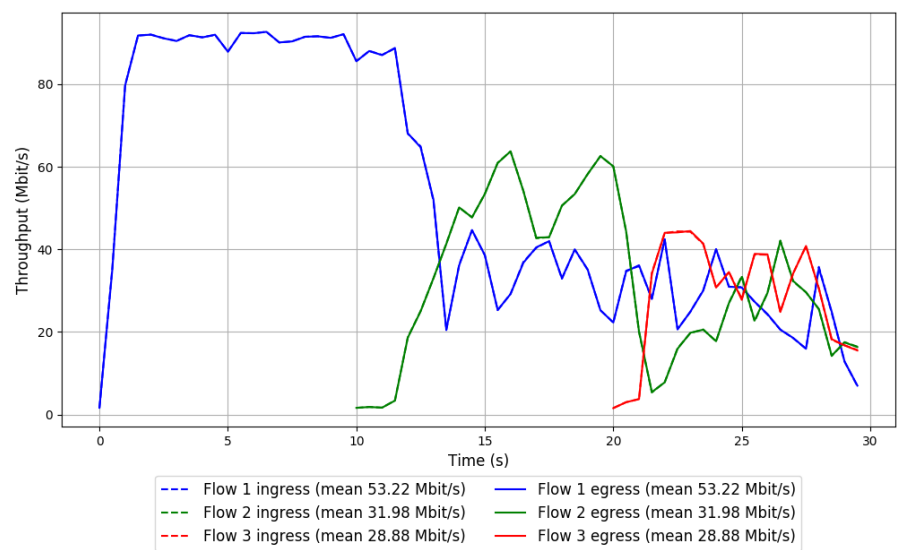


Run 10: Statistics of Vivace-latency

Start at: 2018-03-27 17:26:42
End at: 2018-03-27 17:27:12
Local clock offset: -5.834 ms
Remote clock offset: -6.268 ms

Below is generated by plot.py at 2018-03-27 21:29:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 4.113 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 3.599 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 4.257 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 5.137 ms
Loss rate: 0.04%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-03-27 14:25:07

End at: 2018-03-27 14:25:37

Local clock offset: -5.43 ms

Remote clock offset: -6.596 ms

Run 1: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Vivace-loss

Start at: 2018-03-27 14:45:32

End at: 2018-03-27 14:46:02

Local clock offset: -5.784 ms

Remote clock offset: -6.607 ms

Run 2: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Vivace-loss

Start at: 2018-03-27 15:05:57

End at: 2018-03-27 15:06:27

Local clock offset: -6.421 ms

Remote clock offset: -6.4 ms

Below is generated by plot.py at 2018-03-27 21:29:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 35.535 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 59.11 Mbit/s

95th percentile per-packet one-way delay: 35.419 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 39.28 Mbit/s

95th percentile per-packet one-way delay: 35.610 ms

Loss rate: 0.14%

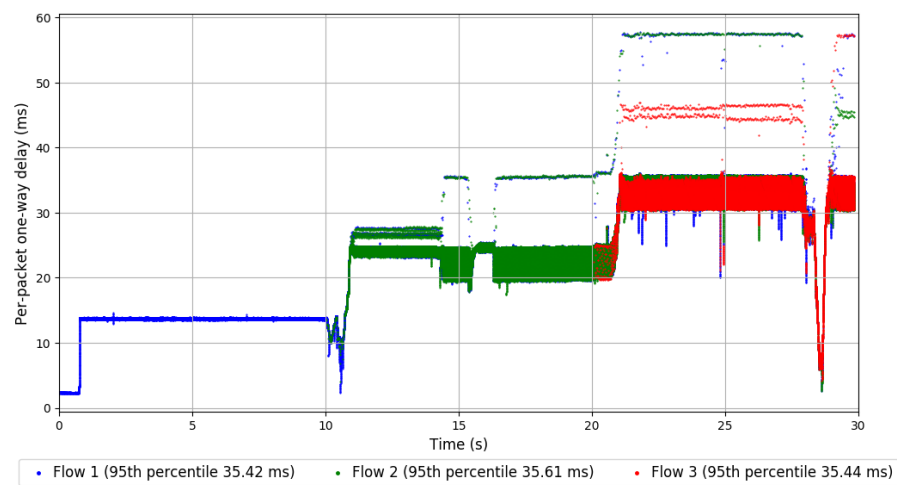
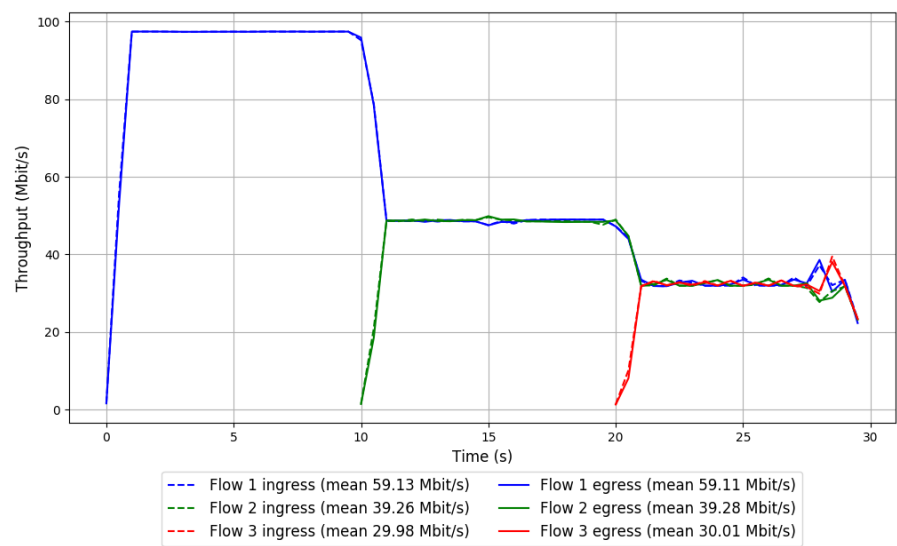
-- Flow 3:

Average throughput: 30.01 Mbit/s

95th percentile per-packet one-way delay: 35.435 ms

Loss rate: 0.40%

Run 3: Report of Vivace-loss — Data Link

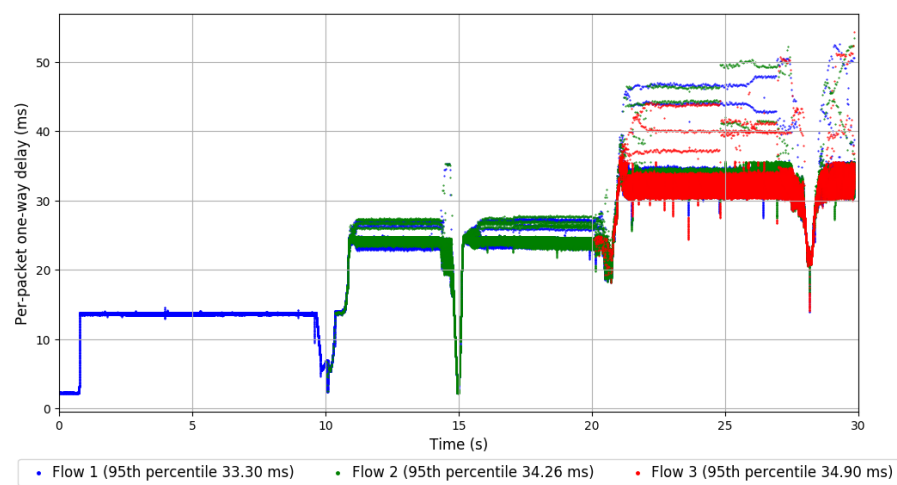
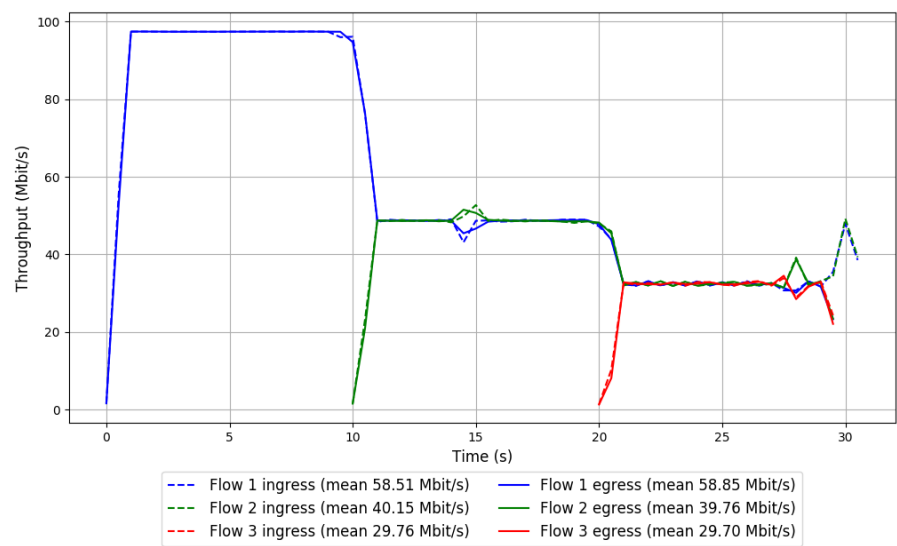


Run 4: Statistics of Vivace-loss

Start at: 2018-03-27 15:26:25
End at: 2018-03-27 15:26:55
Local clock offset: -7.134 ms
Remote clock offset: -6.638 ms

```
# Below is generated by plot.py at 2018-03-27 21:29:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 33.300 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 34.259 ms
Loss rate: 6.05%
-- Flow 3:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 34.903 ms
Loss rate: 0.76%
```

Run 4: Report of Vivace-loss — Data Link

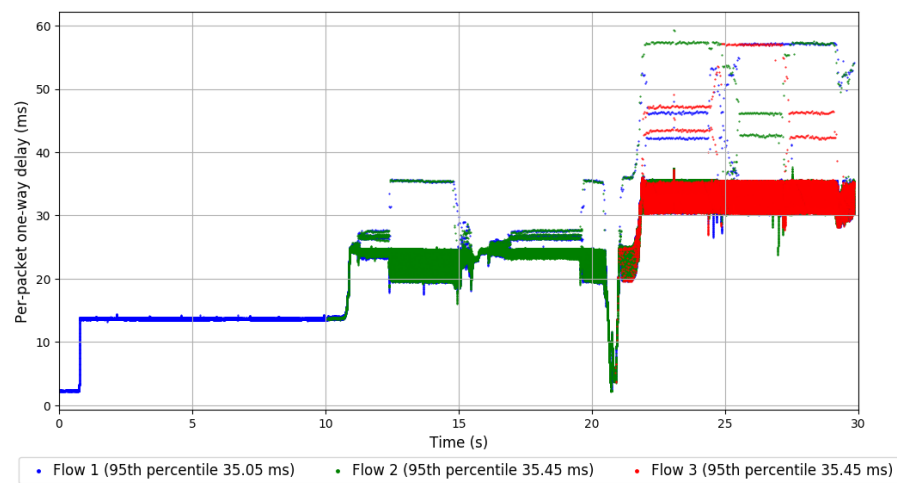
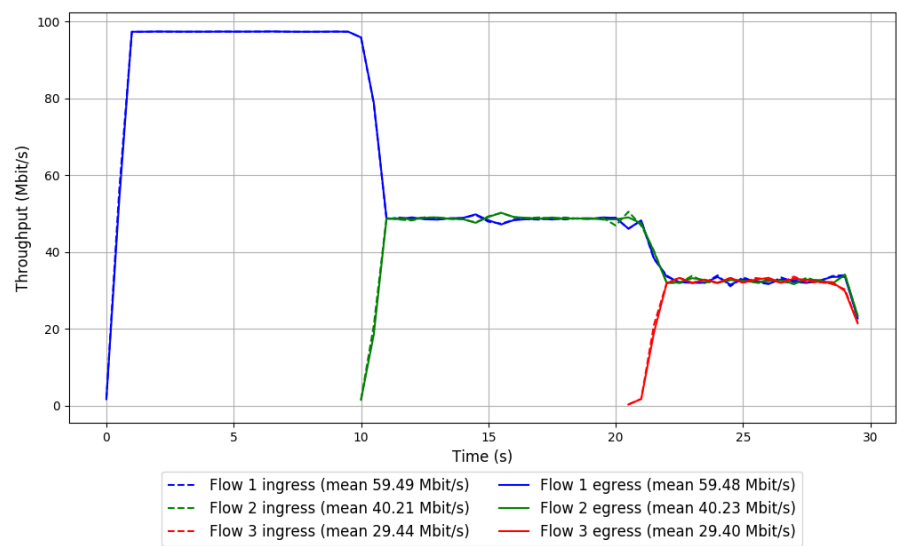


Run 5: Statistics of Vivace-loss

Start at: 2018-03-27 15:46:50
End at: 2018-03-27 15:47:20
Local clock offset: -6.797 ms
Remote clock offset: -6.906 ms

Below is generated by plot.py at 2018-03-27 21:30:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 35.361 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 35.049 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 35.445 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 35.445 ms
Loss rate: 0.43%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-27 16:07:17

End at: 2018-03-27 16:07:47

Local clock offset: -6.793 ms

Remote clock offset: -7.58 ms

Run 6: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Vivace-loss

Start at: 2018-03-27 16:27:42

End at: 2018-03-27 16:28:12

Local clock offset: -5.821 ms

Remote clock offset: -7.81 ms

Run 7: Report of Vivace-loss — Data Link

Figure is missing

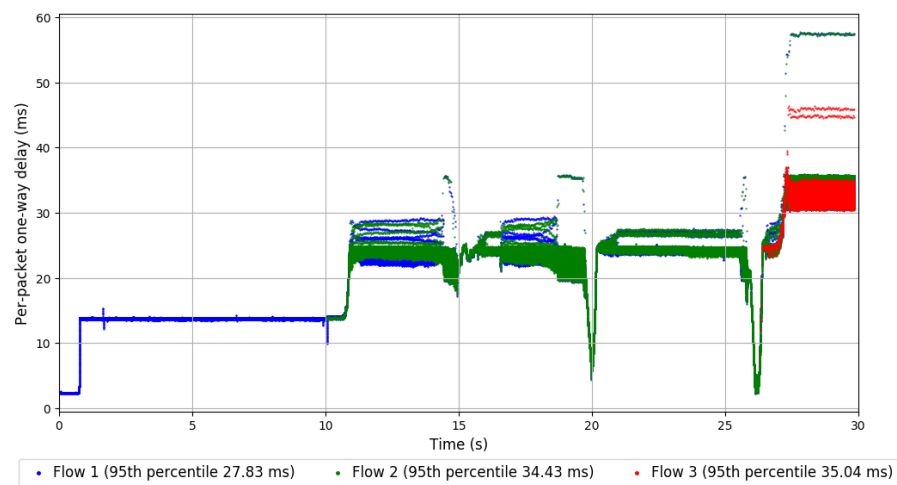
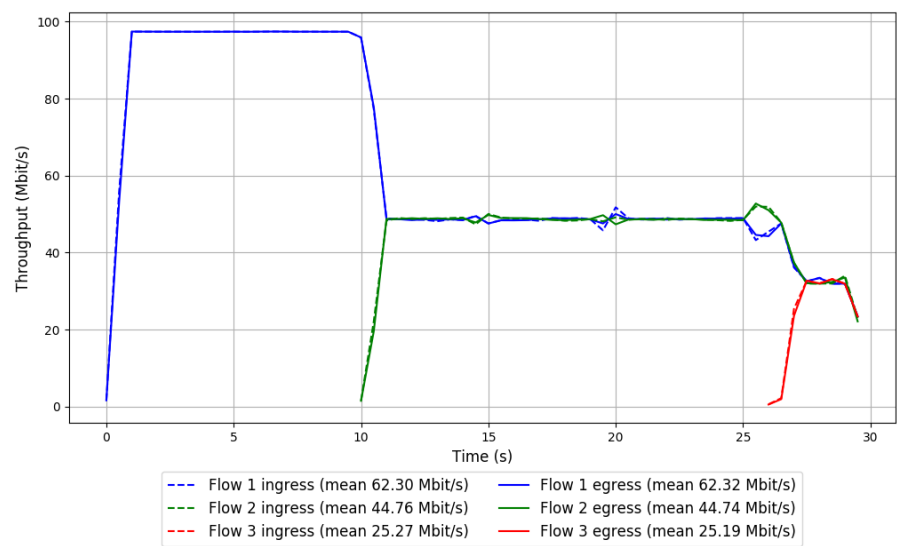
Figure is missing

Run 8: Statistics of Vivace-loss

Start at: 2018-03-27 16:48:07
End at: 2018-03-27 16:48:37
Local clock offset: -5.704 ms
Remote clock offset: -8.148 ms

Below is generated by plot.py at 2018-03-27 21:30:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 33.254 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.32 Mbit/s
95th percentile per-packet one-way delay: 27.834 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 34.431 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 25.19 Mbit/s
95th percentile per-packet one-way delay: 35.042 ms
Loss rate: 1.20%

Run 8: Report of Vivace-loss — Data Link

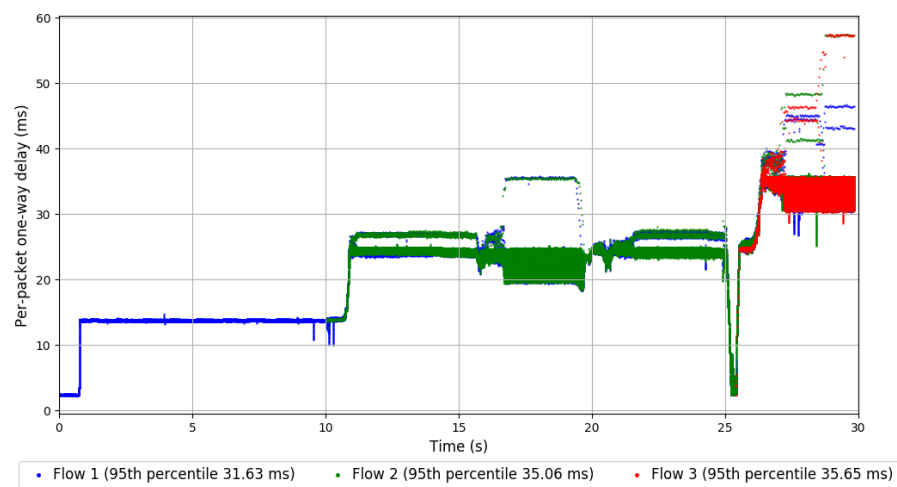
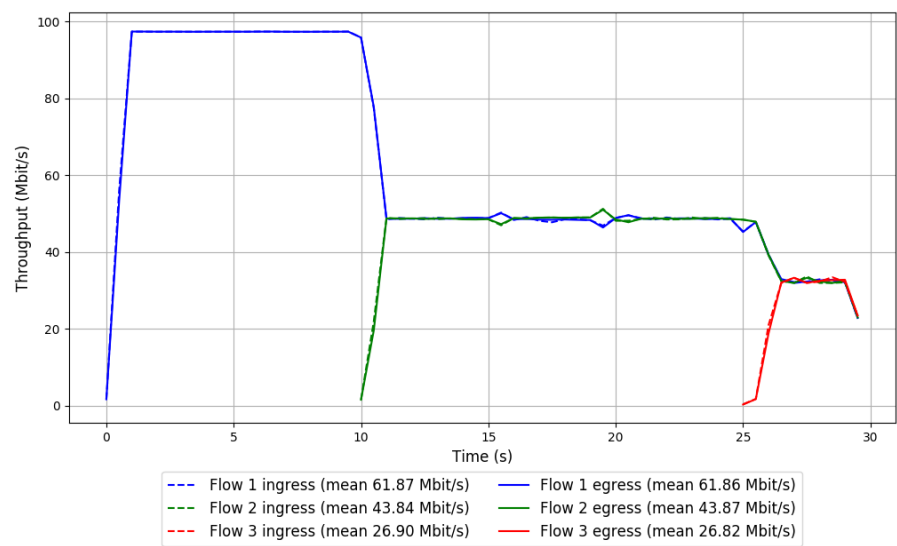


Run 9: Statistics of Vivace-loss

Start at: 2018-03-27 17:08:34
End at: 2018-03-27 17:09:04
Local clock offset: -5.688 ms
Remote clock offset: -6.684 ms

Below is generated by plot.py at 2018-03-27 21:30:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 34.702 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 61.86 Mbit/s
95th percentile per-packet one-way delay: 31.627 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 43.87 Mbit/s
95th percentile per-packet one-way delay: 35.064 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 35.645 ms
Loss rate: 0.90%

Run 9: Report of Vivace-loss — Data Link

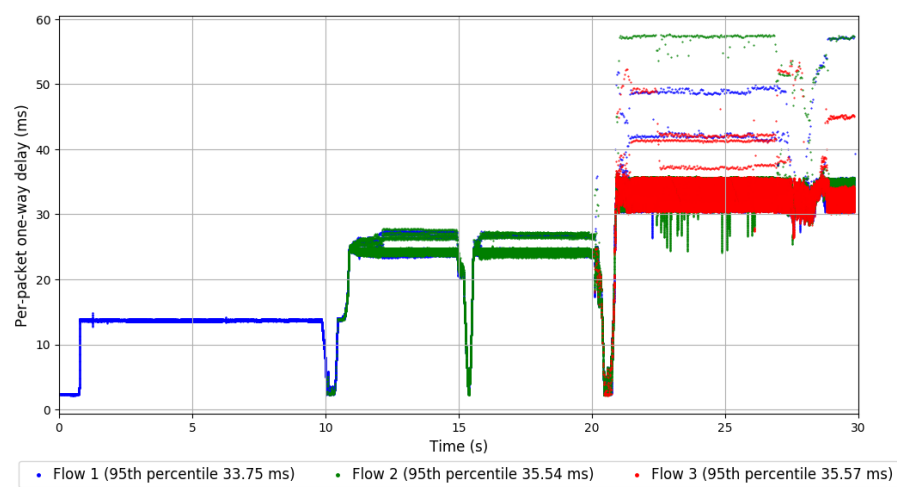
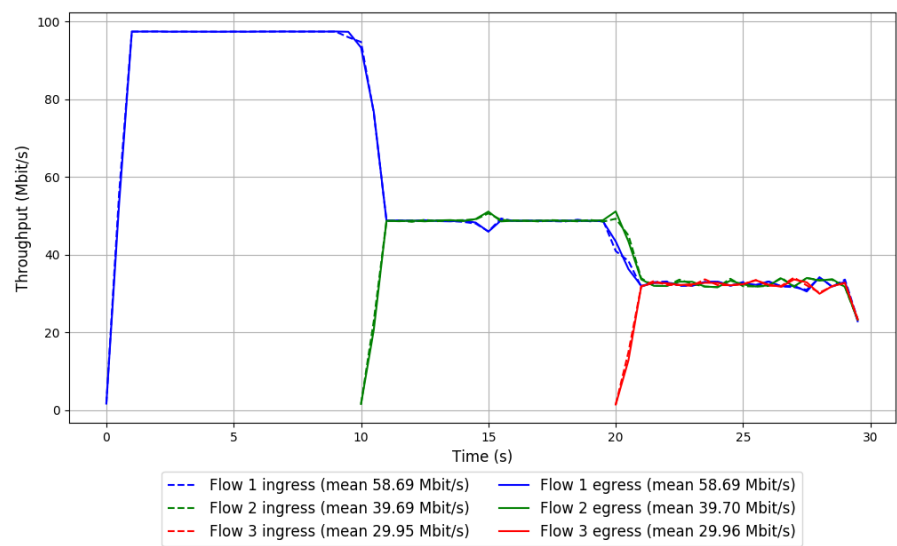


Run 10: Statistics of Vivace-loss

Start at: 2018-03-27 17:29:01
End at: 2018-03-27 17:29:31
Local clock offset: -5.815 ms
Remote clock offset: -6.358 ms

Below is generated by plot.py at 2018-03-27 21:30:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 35.264 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 33.750 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 35.540 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 35.568 ms
Loss rate: 0.37%

Run 10: Report of Vivace-loss — Data Link

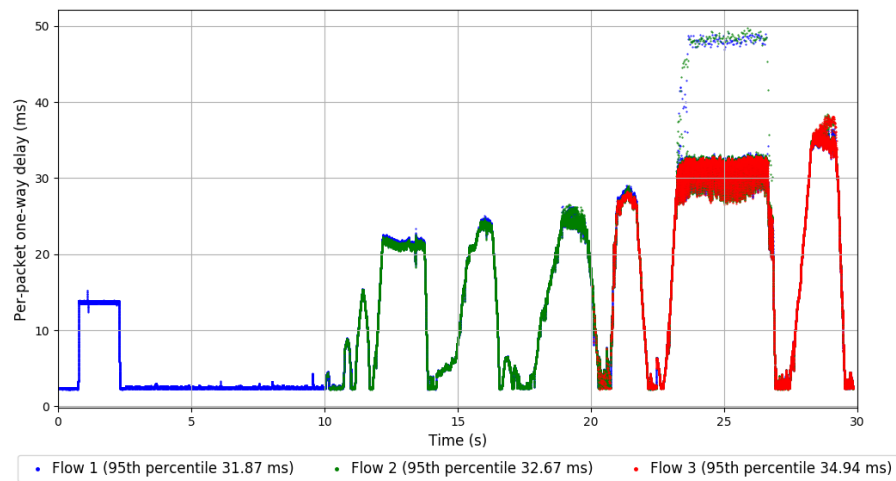
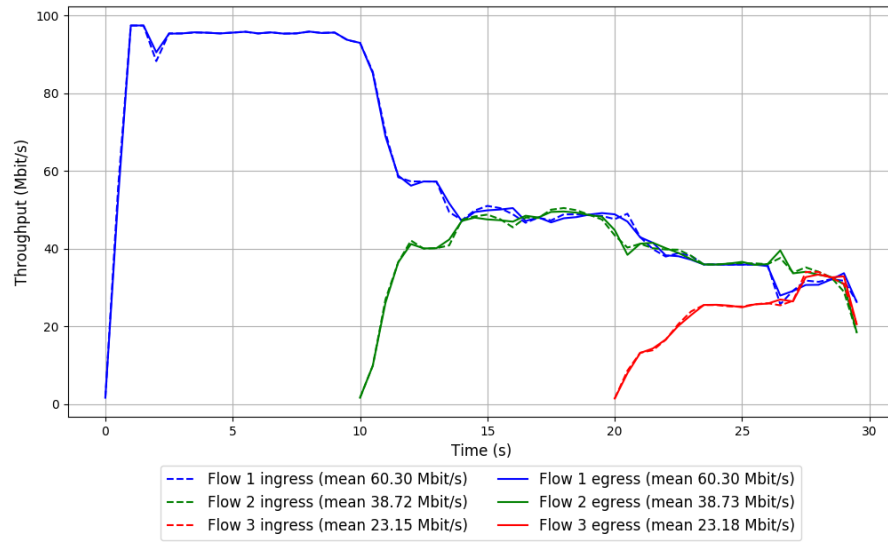


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-27 14:27:19
End at: 2018-03-27 14:27:49
Local clock offset: -5.513 ms
Remote clock offset: -6.583 ms

Below is generated by plot.py at 2018-03-27 21:30:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 32.413 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 31.866 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 32.674 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 34.936 ms
Loss rate: 0.06%

Run 1: Report of Vivace-LTE — Data Link

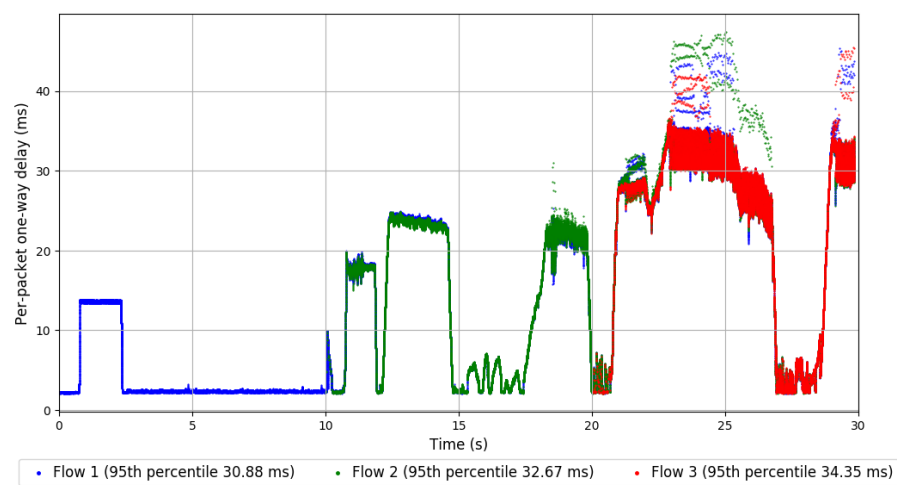
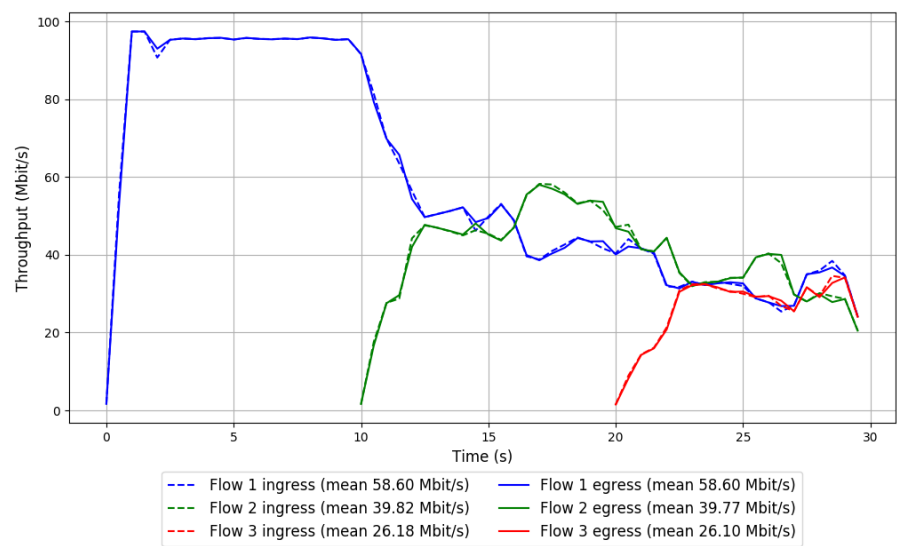


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-27 14:47:44
End at: 2018-03-27 14:48:14
Local clock offset: -5.843 ms
Remote clock offset: -6.538 ms

Below is generated by plot.py at 2018-03-27 21:30:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 32.429 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 30.884 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 32.671 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 34.353 ms
Loss rate: 0.42%

Run 2: Report of Vivace-LTE — Data Link

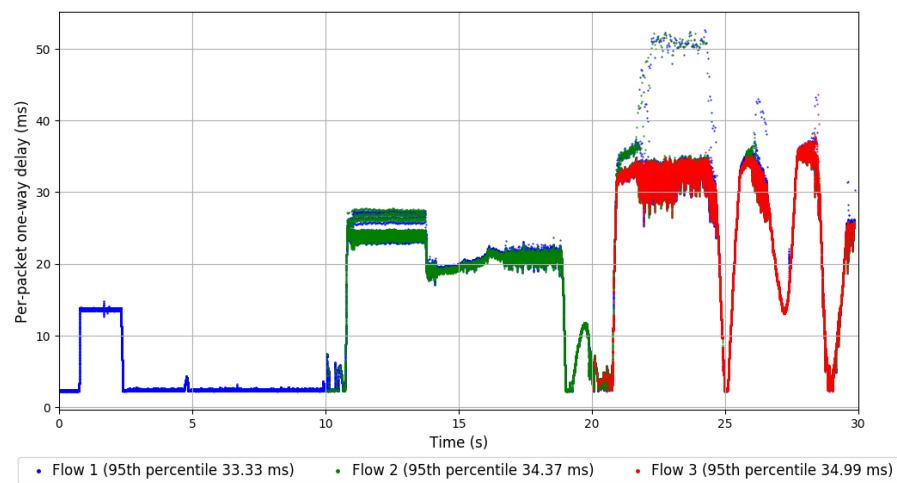
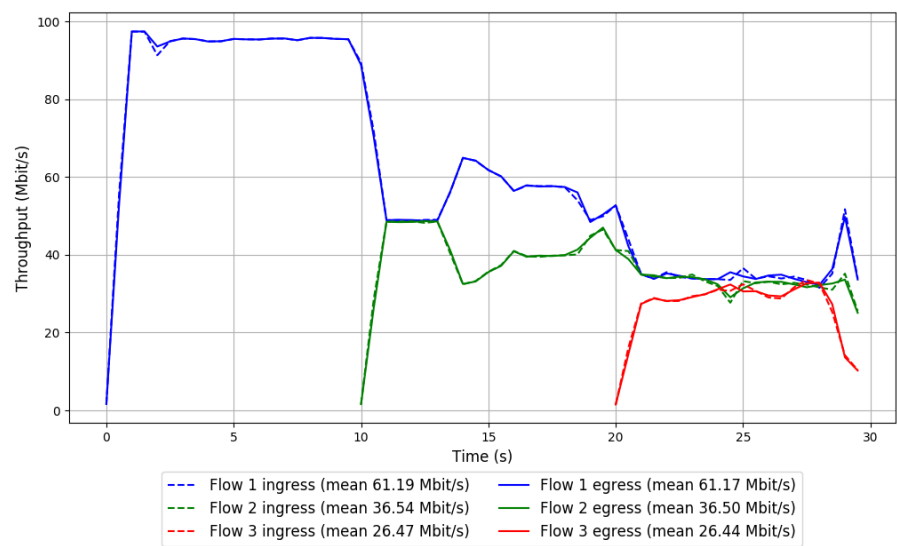


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-27 15:08:11
End at: 2018-03-27 15:08:41
Local clock offset: -6.63 ms
Remote clock offset: -6.408 ms

Below is generated by plot.py at 2018-03-27 21:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 34.124 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 33.334 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 34.373 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 34.995 ms
Loss rate: 0.15%

Run 3: Report of Vivace-LTE — Data Link

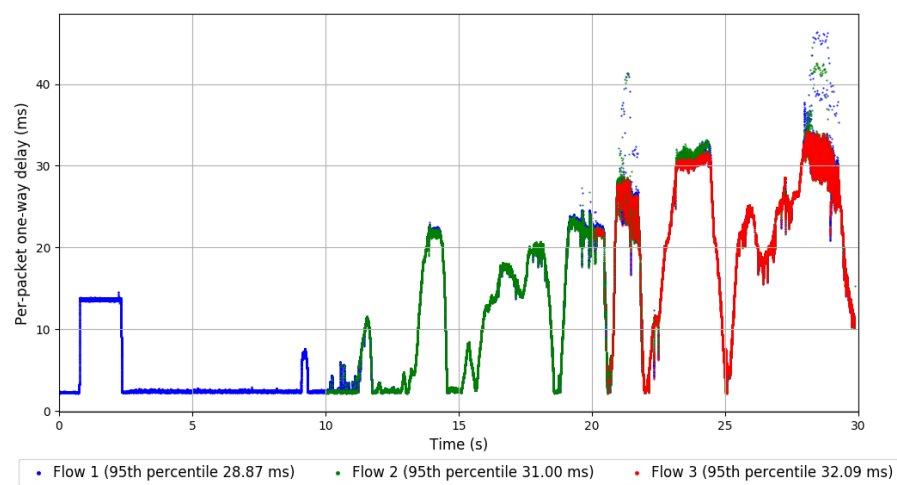
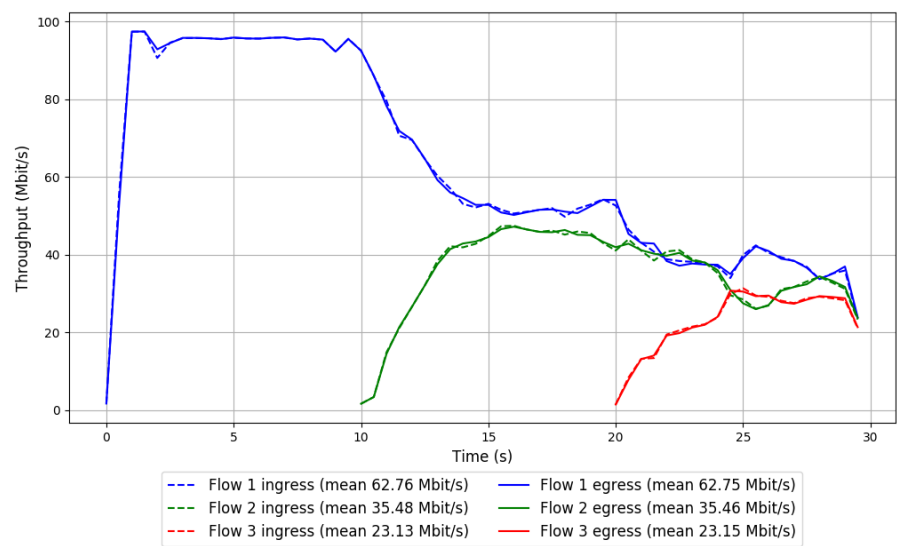


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-27 15:28:39
End at: 2018-03-27 15:29:09
Local clock offset: -7.207 ms
Remote clock offset: -6.698 ms

Below is generated by plot.py at 2018-03-27 21:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 30.540 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 28.872 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 30.998 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 32.092 ms
Loss rate: 0.16%

Run 4: Report of Vivace-LTE — Data Link

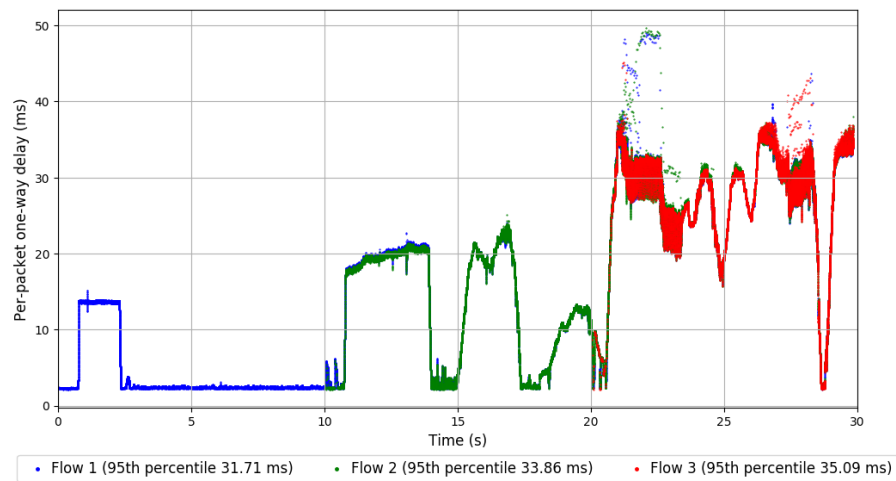
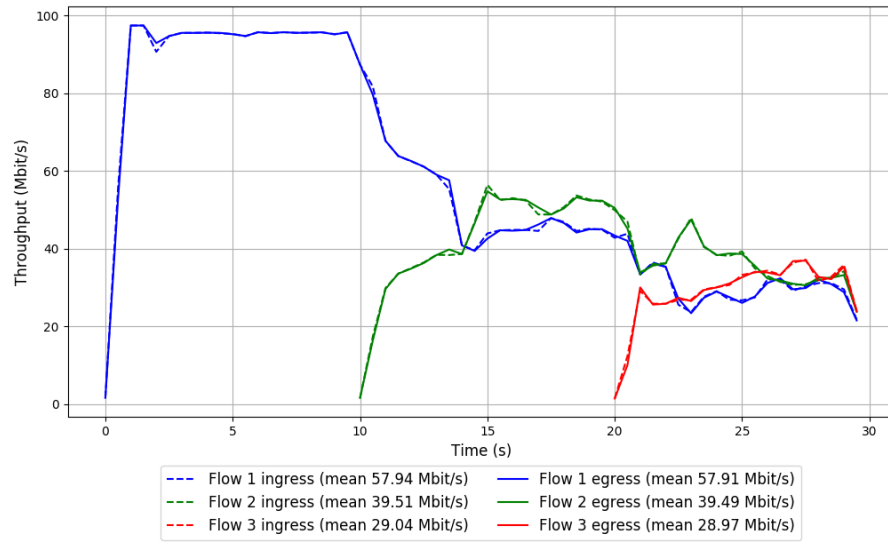


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-27 15:49:04
End at: 2018-03-27 15:49:34
Local clock offset: -6.84 ms
Remote clock offset: -7.104 ms

Below is generated by plot.py at 2018-03-27 21:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 33.517 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 31.707 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 33.862 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 35.089 ms
Loss rate: 0.43%

Run 5: Report of Vivace-LTE — Data Link

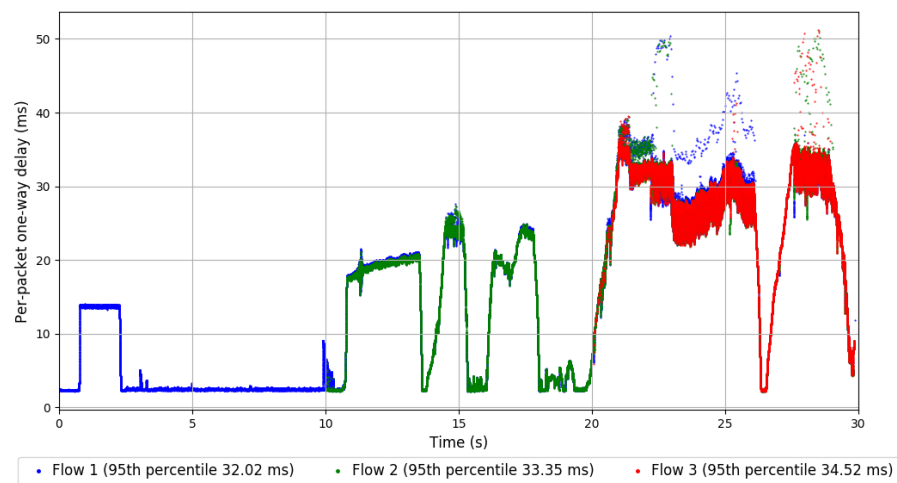
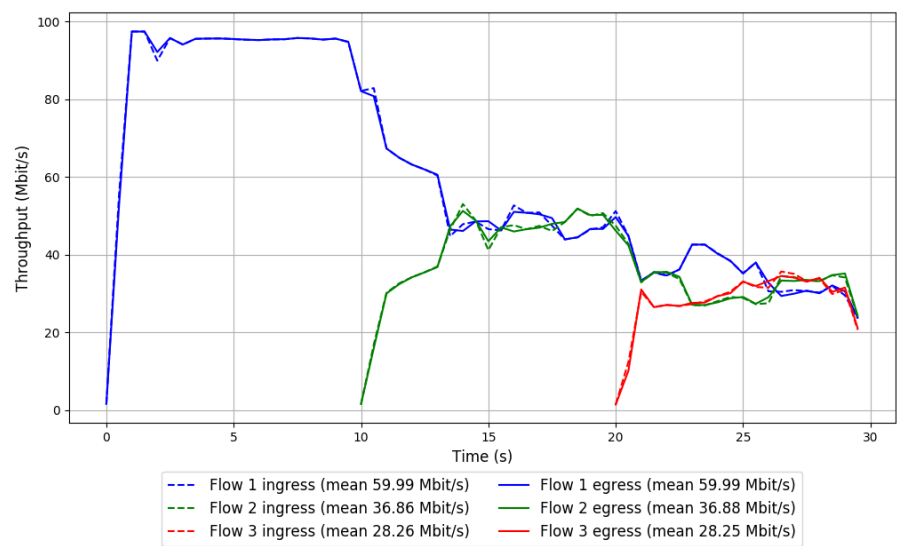


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-27 16:09:29
End at: 2018-03-27 16:09:59
Local clock offset: -6.543 ms
Remote clock offset: -7.584 ms

Below is generated by plot.py at 2018-03-27 21:31:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 32.954 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.99 Mbit/s
95th percentile per-packet one-way delay: 32.024 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 33.348 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.25 Mbit/s
95th percentile per-packet one-way delay: 34.524 ms
Loss rate: 0.12%

Run 6: Report of Vivace-LTE — Data Link

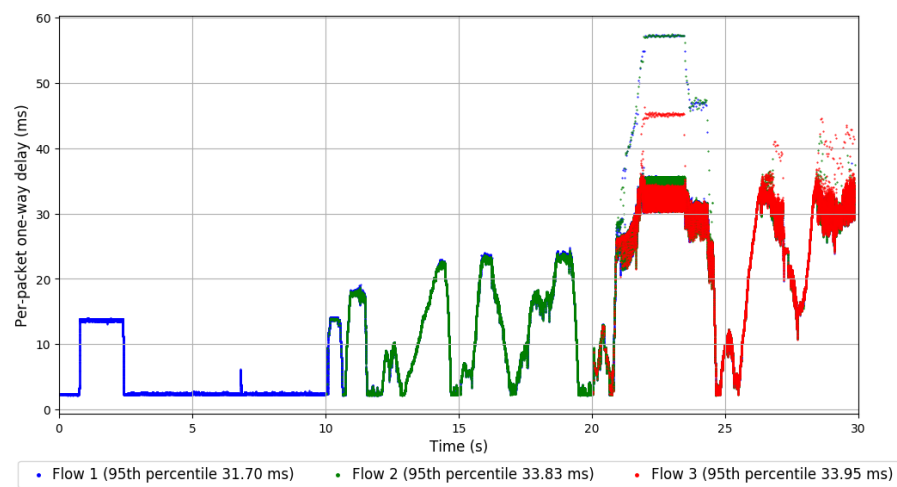
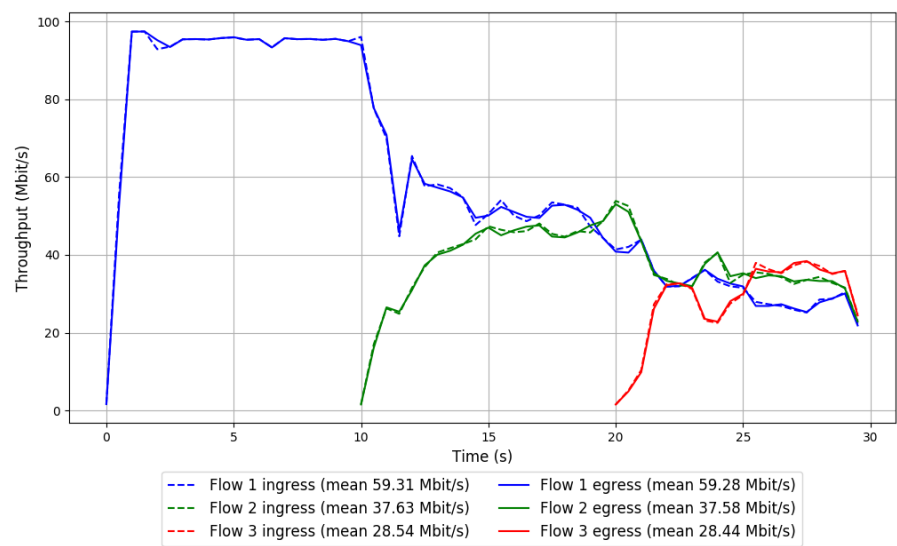


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-27 16:29:54
End at: 2018-03-27 16:30:24
Local clock offset: -5.777 ms
Remote clock offset: -7.848 ms

Below is generated by plot.py at 2018-03-27 21:31:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 33.081 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 31.696 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 33.834 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 33.945 ms
Loss rate: 0.44%

Run 7: Report of Vivace-LTE — Data Link



Run 8: Statistics of Vivace-LTE

Start at: 2018-03-27 16:50:21

End at: 2018-03-27 16:50:51

Local clock offset: -5.715 ms

Remote clock offset: -8.12 ms

Below is generated by plot.py at 2018-03-27 21:31:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 32.766 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 30.959 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.35 Mbit/s

95th percentile per-packet one-way delay: 33.113 ms

Loss rate: 0.15%

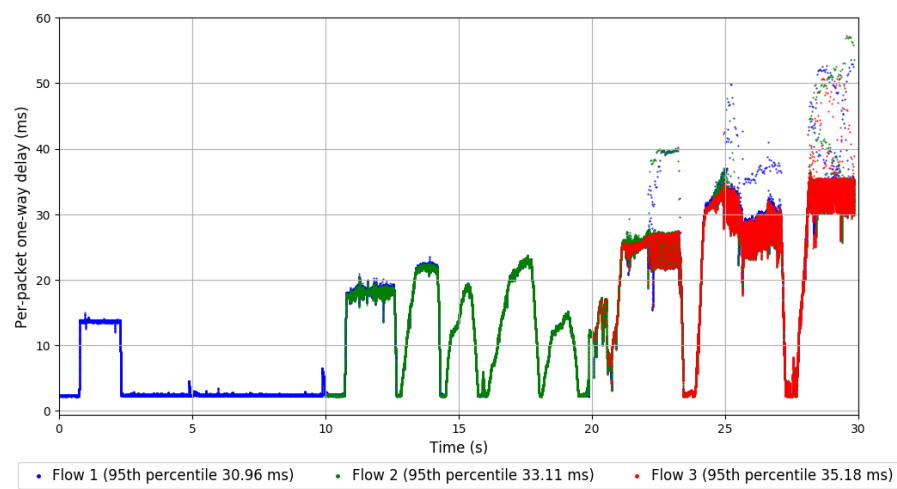
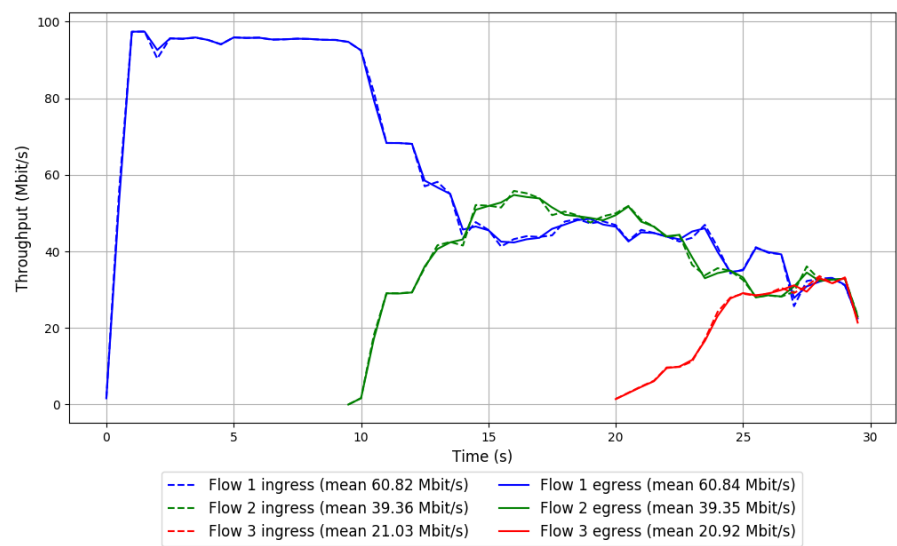
-- Flow 3:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 35.179 ms

Loss rate: 0.59%

Run 8: Report of Vivace-LTE — Data Link

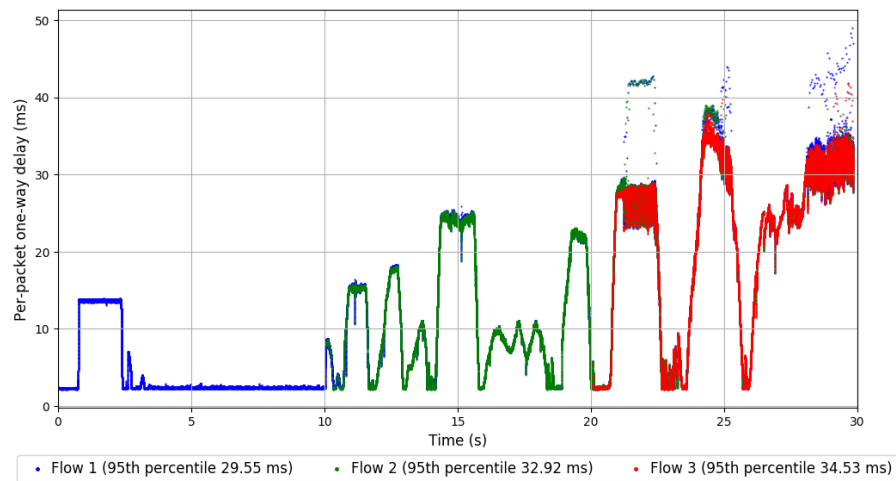
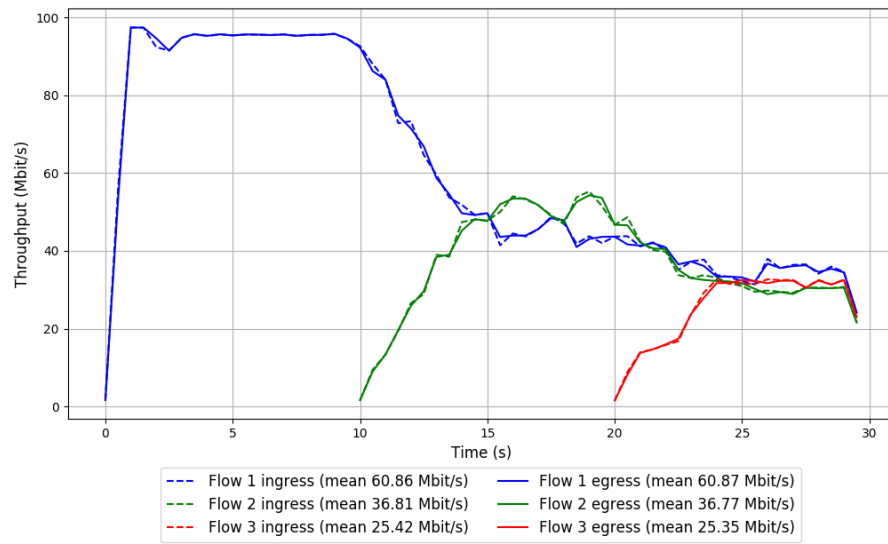


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-27 17:10:48
End at: 2018-03-27 17:11:18
Local clock offset: -5.762 ms
Remote clock offset: -6.603 ms

Below is generated by plot.py at 2018-03-27 21:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 32.544 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 60.87 Mbit/s
95th percentile per-packet one-way delay: 29.553 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 32.919 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 34.534 ms
Loss rate: 0.43%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-27 17:31:14
End at: 2018-03-27 17:31:44
Local clock offset: -5.823 ms
Remote clock offset: -6.452 ms

Below is generated by plot.py at 2018-03-27 21:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 30.670 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 29.542 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 31.078 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 31.565 ms
Loss rate: 0.51%

Run 10: Report of Vivace-LTE — Data Link

