

Pantheon Report

Generated at 2018-03-14 02:26:49 (UTC).

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

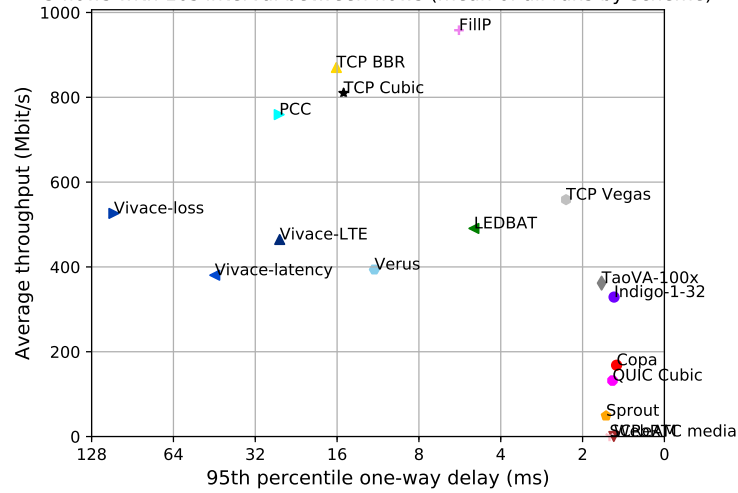
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

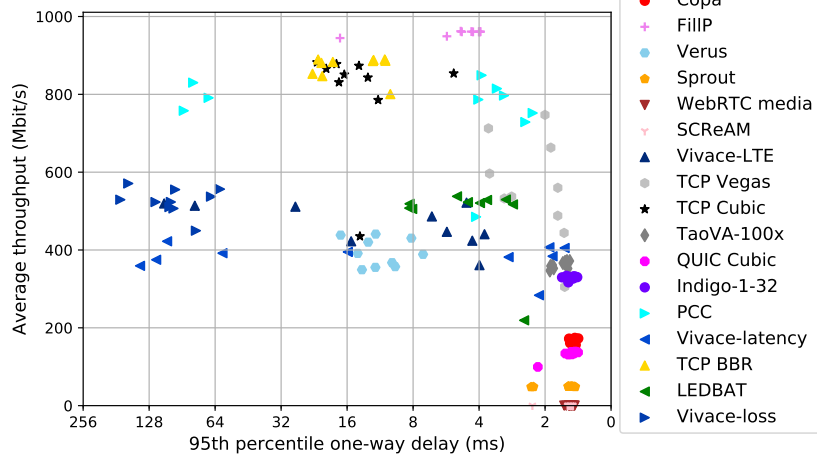
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
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 @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



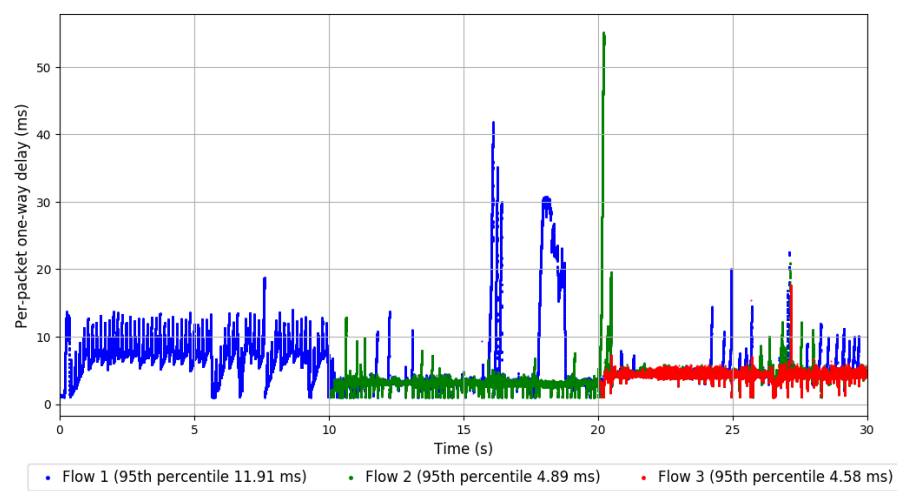
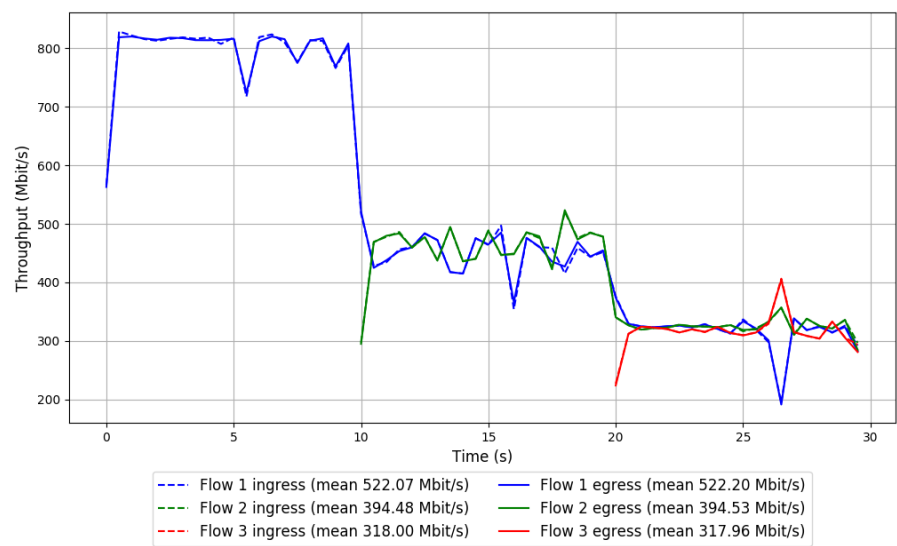
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	505.25	388.95	321.14	16.20	12.90	5.35	0.08	0.11	0.25
TCP Cubic	10	467.56	368.37	293.53	14.81	8.75	4.17	0.05	0.09	0.22
LEDBAT	10	278.46	230.82	178.06	5.15	4.66	3.58	0.07	0.13	0.32
PCC	10	598.28	176.54	132.97	30.32	2.68	2.57	0.64	0.16	0.24
QUIC Cubic	10	70.28	64.79	56.47	1.27	1.27	1.26	0.07	0.12	0.20
SCReAM	10	0.22	0.21	0.21	1.34	1.34	1.32	0.00	0.06	0.47
WebRTC media	10	0.05	0.05	0.05	1.24	1.22	1.23	0.01	0.02	0.01
Sprout	10	24.61	24.54	24.48	1.42	1.43	1.33	0.17	0.24	0.35
TaoVA-100x	10	202.83	178.51	121.78	1.41	1.70	1.70	0.04	0.07	0.20
TCP Vegas	10	258.43	298.51	306.54	1.96	2.43	2.24	0.06	0.08	0.20
Verus	10	238.84	167.64	132.70	14.20	8.42	4.69	0.30	0.05	0.23
Copa	10	85.86	83.90	80.42	1.16	1.17	1.19	0.06	0.08	0.14
FillP	10	587.46	400.37	316.60	10.69	4.52	4.58	0.25	0.11	0.25
Indigo-1-32	10	176.26	162.51	136.68	1.20	1.32	1.29	0.06	0.09	0.20
Vivace-latency	10	265.57	118.11	110.89	59.65	17.95	1.34	0.68	0.14	0.27
Vivace-loss	10	329.45	220.34	153.69	102.04	58.14	20.61	3.98	0.76	0.39
Vivace-LTE	10	313.05	165.58	127.12	60.35	4.03	2.00	1.23	0.22	0.38

Run 1: Statistics of TCP BBR

Start at: 2018-03-13 14:03:19
End at: 2018-03-13 14:03:49
Local clock offset: 1.153 ms
Remote clock offset: -6.542 ms

Below is generated by plot.py at 2018-03-14 00:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 889.69 Mbit/s
95th percentile per-packet one-way delay: 10.773 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 522.20 Mbit/s
95th percentile per-packet one-way delay: 11.914 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 394.53 Mbit/s
95th percentile per-packet one-way delay: 4.886 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 317.96 Mbit/s
95th percentile per-packet one-way delay: 4.582 ms
Loss rate: 0.24%

Run 1: Report of TCP BBR — Data Link

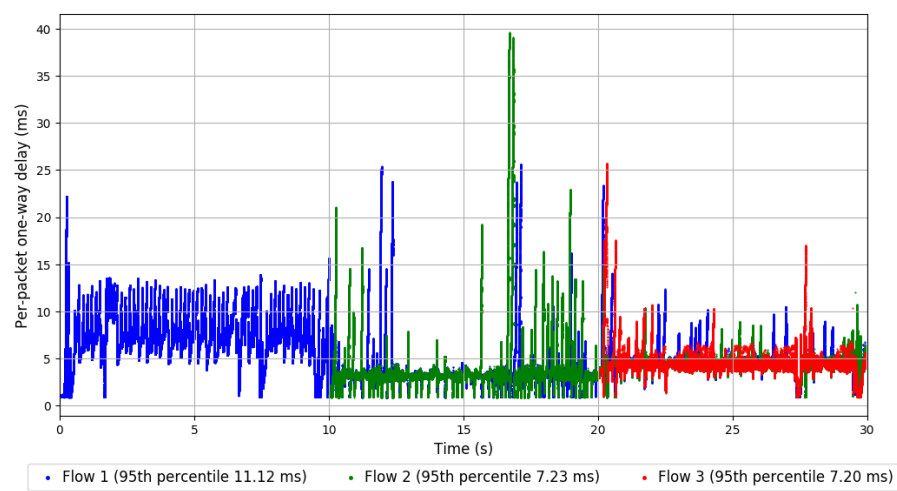
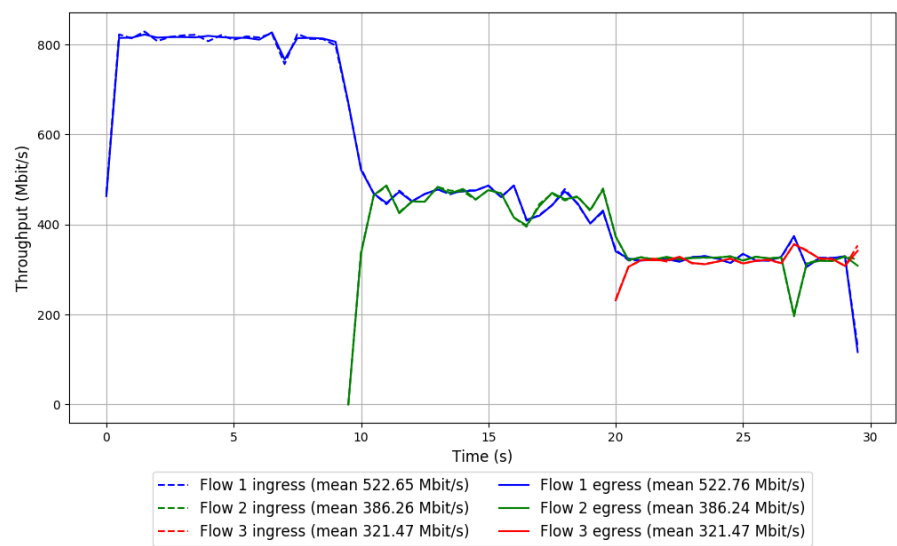


Run 2: Statistics of TCP BBR

Start at: 2018-03-13 14:32:34
End at: 2018-03-13 14:33:04
Local clock offset: 2.282 ms
Remote clock offset: -6.045 ms

Below is generated by plot.py at 2018-03-14 00:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 886.27 Mbit/s
95th percentile per-packet one-way delay: 10.702 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 522.76 Mbit/s
95th percentile per-packet one-way delay: 11.123 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 386.24 Mbit/s
95th percentile per-packet one-way delay: 7.231 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.47 Mbit/s
95th percentile per-packet one-way delay: 7.201 ms
Loss rate: 0.23%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-13 15:01:58

End at: 2018-03-13 15:02:28

Local clock offset: 2.74 ms

Remote clock offset: -6.15 ms

Below is generated by plot.py at 2018-03-14 00:17:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 883.13 Mbit/s

95th percentile per-packet one-way delay: 18.588 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 516.12 Mbit/s

95th percentile per-packet one-way delay: 19.526 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 391.15 Mbit/s

95th percentile per-packet one-way delay: 19.008 ms

Loss rate: 0.13%

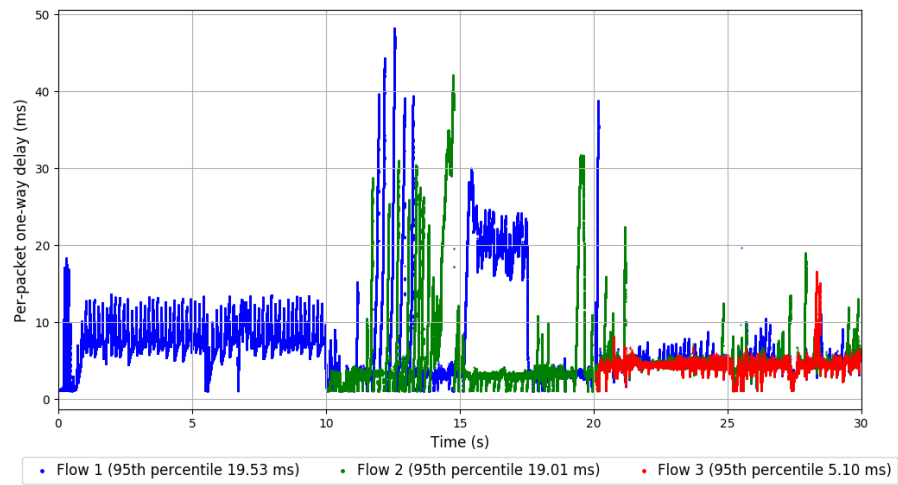
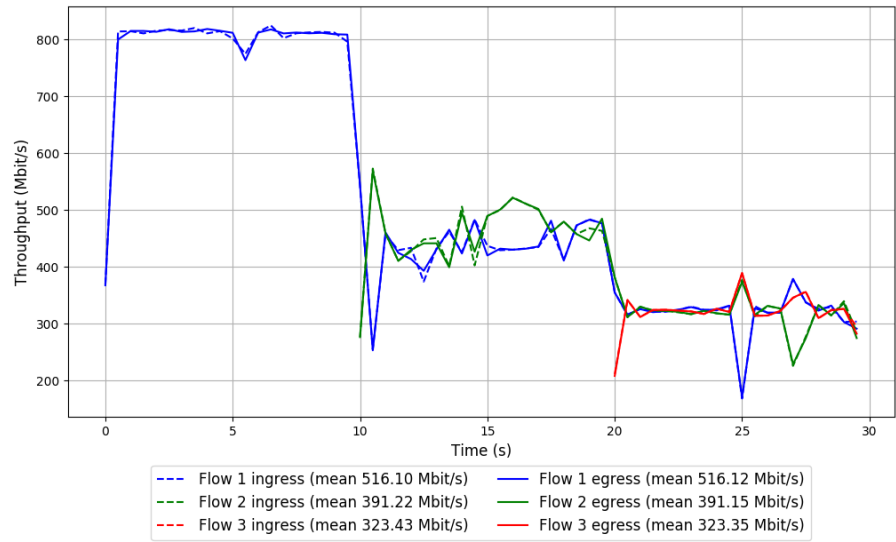
-- Flow 3:

Average throughput: 323.35 Mbit/s

95th percentile per-packet one-way delay: 5.100 ms

Loss rate: 0.24%

Run 3: Report of TCP BBR — Data Link

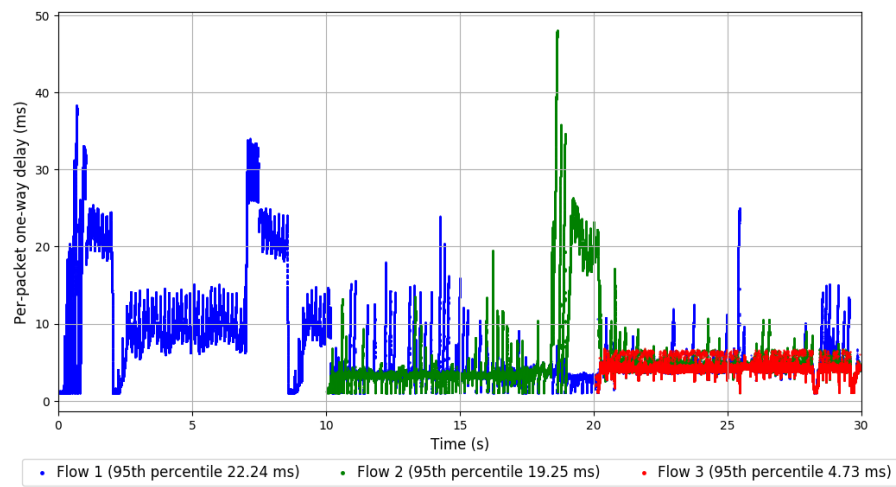
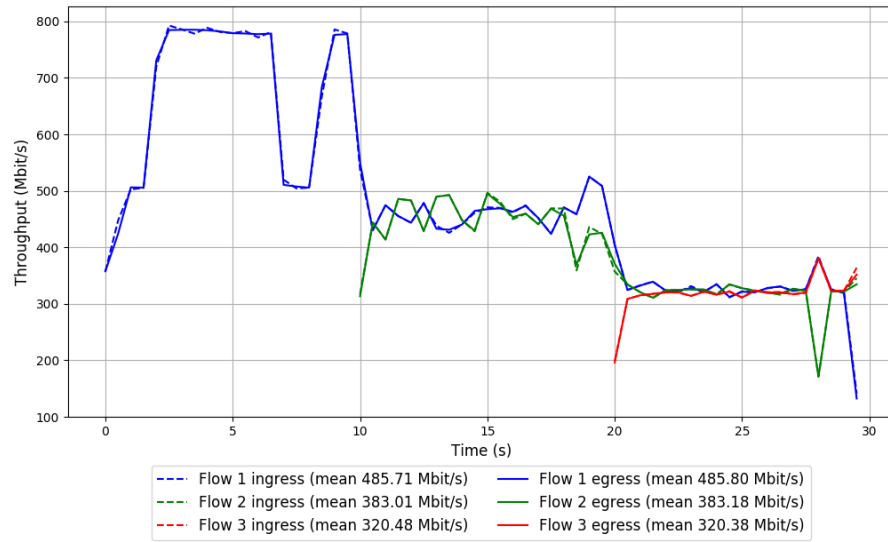


Run 4: Statistics of TCP BBR

Start at: 2018-03-13 15:31:33
End at: 2018-03-13 15:32:03
Local clock offset: 0.913 ms
Remote clock offset: -5.198 ms

Below is generated by plot.py at 2018-03-14 00:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 846.80 Mbit/s
95th percentile per-packet one-way delay: 20.769 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 485.80 Mbit/s
95th percentile per-packet one-way delay: 22.237 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 383.18 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.38 Mbit/s
95th percentile per-packet one-way delay: 4.733 ms
Loss rate: 0.22%

Run 4: Report of TCP BBR — Data Link

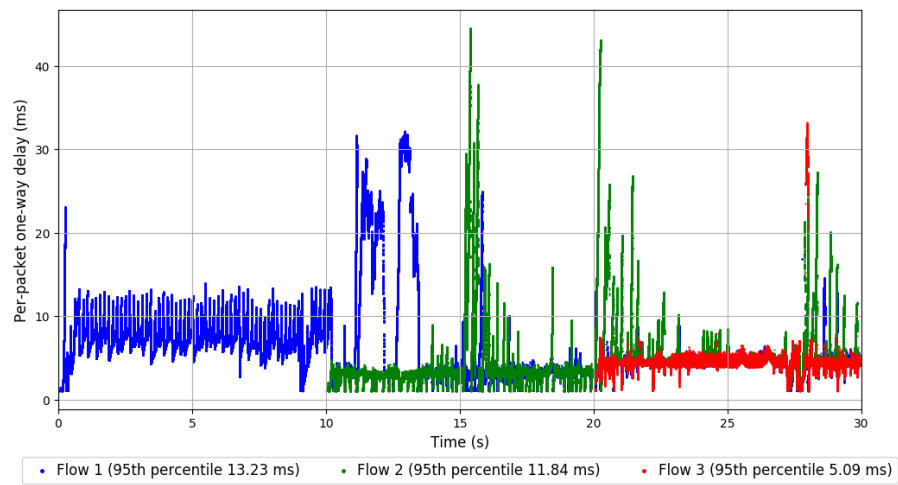
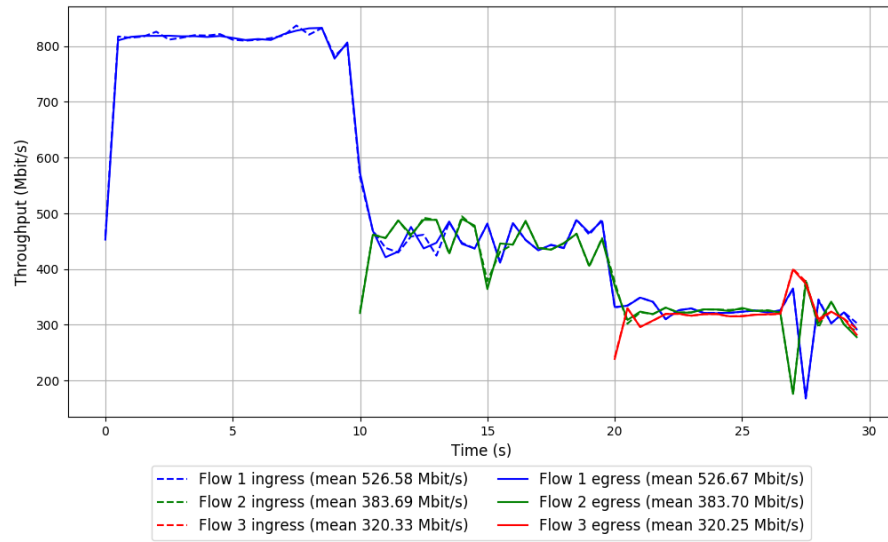


Run 5: Statistics of TCP BBR

Start at: 2018-03-13 16:00:53
End at: 2018-03-13 16:01:23
Local clock offset: 0.062 ms
Remote clock offset: -4.278 ms

Below is generated by plot.py at 2018-03-14 00:17:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 888.21 Mbit/s
95th percentile per-packet one-way delay: 12.118 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 526.67 Mbit/s
95th percentile per-packet one-way delay: 13.227 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 383.70 Mbit/s
95th percentile per-packet one-way delay: 11.839 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 320.25 Mbit/s
95th percentile per-packet one-way delay: 5.092 ms
Loss rate: 0.22%

Run 5: Report of TCP BBR — Data Link

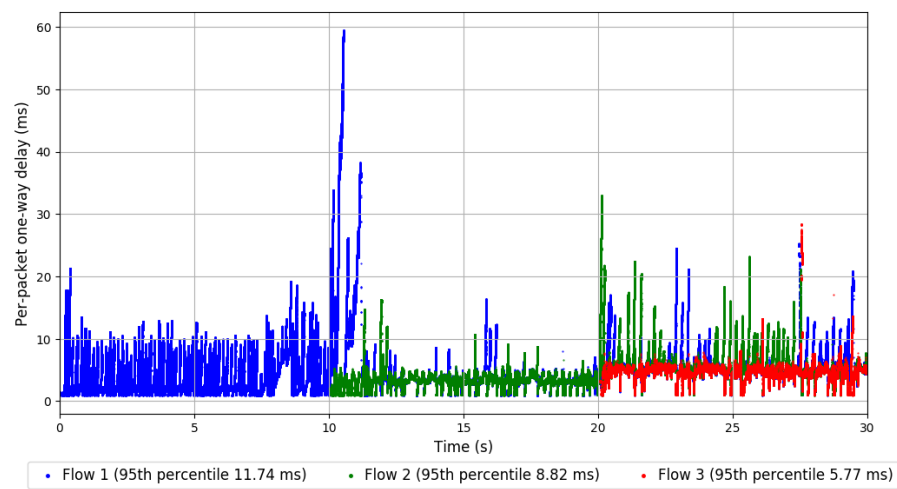
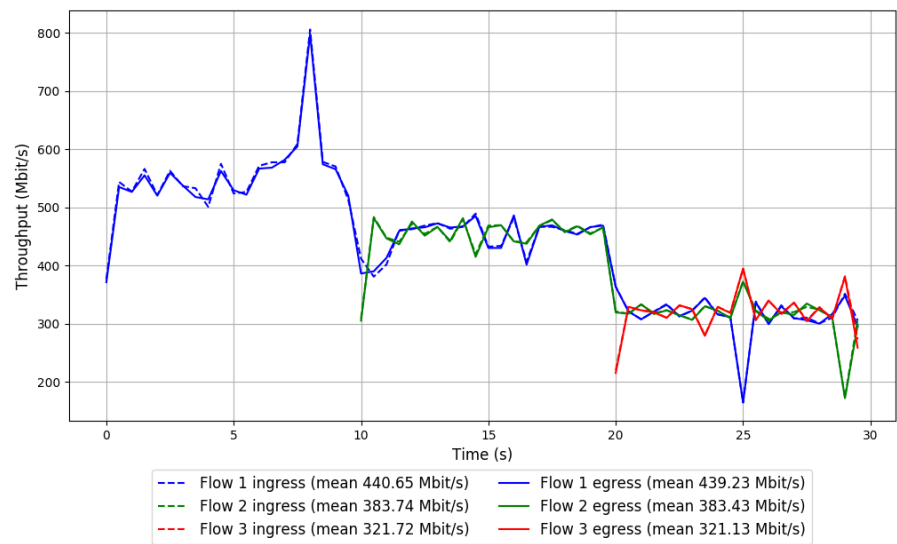


Run 6: Statistics of TCP BBR

Start at: 2018-03-13 16:30:03
End at: 2018-03-13 16:30:33
Local clock offset: -0.656 ms
Remote clock offset: -3.712 ms

Below is generated by plot.py at 2018-03-14 00:17:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 800.63 Mbit/s
95th percentile per-packet one-way delay: 10.161 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 439.23 Mbit/s
95th percentile per-packet one-way delay: 11.742 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 383.43 Mbit/s
95th percentile per-packet one-way delay: 8.821 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 321.13 Mbit/s
95th percentile per-packet one-way delay: 5.770 ms
Loss rate: 0.38%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-03-13 16:59:19

End at: 2018-03-13 16:59:49

Local clock offset: -0.429 ms

Remote clock offset: -6.82 ms

Below is generated by plot.py at 2018-03-14 00:17:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 885.68 Mbit/s

95th percentile per-packet one-way delay: 12.202 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 523.17 Mbit/s

95th percentile per-packet one-way delay: 12.491 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 385.13 Mbit/s

95th percentile per-packet one-way delay: 8.102 ms

Loss rate: 0.10%

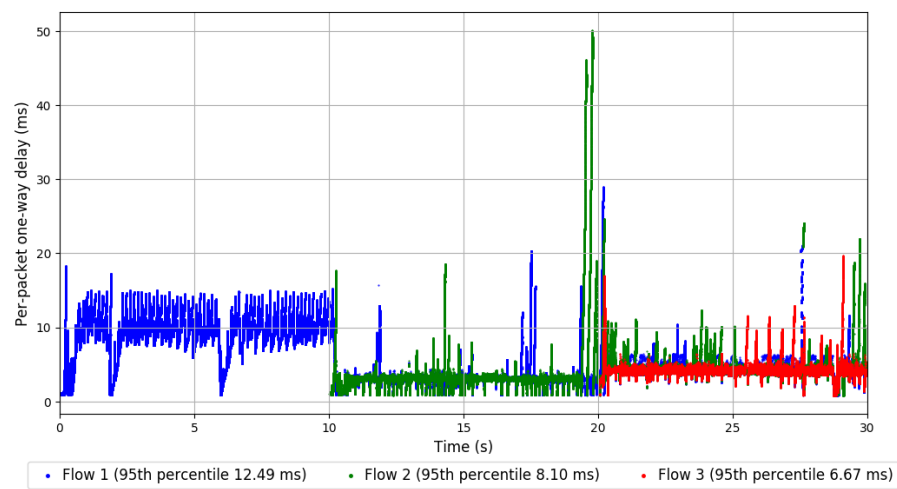
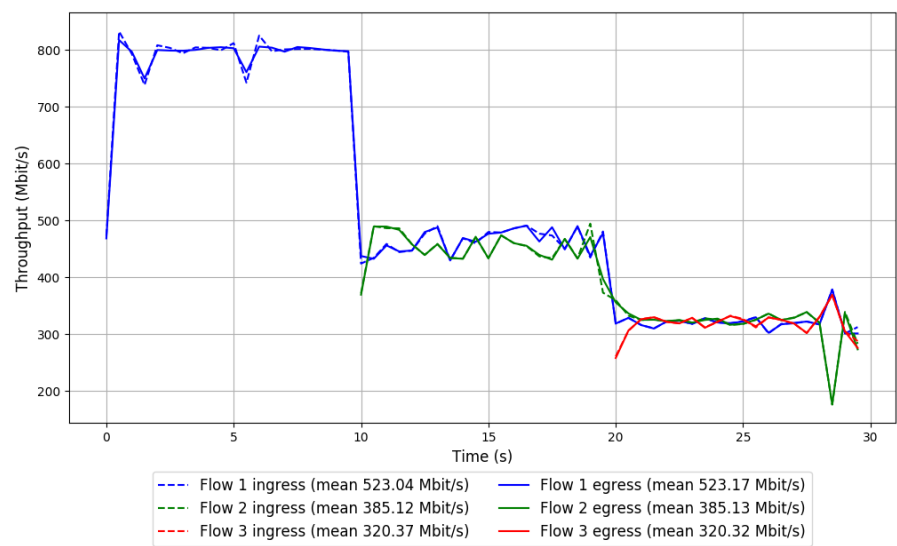
-- Flow 3:

Average throughput: 320.32 Mbit/s

95th percentile per-packet one-way delay: 6.665 ms

Loss rate: 0.23%

Run 7: Report of TCP BBR — Data Link

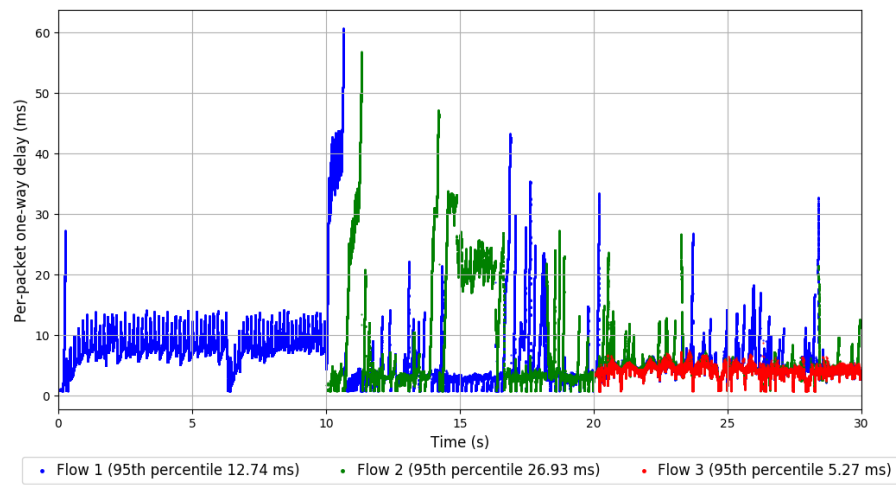
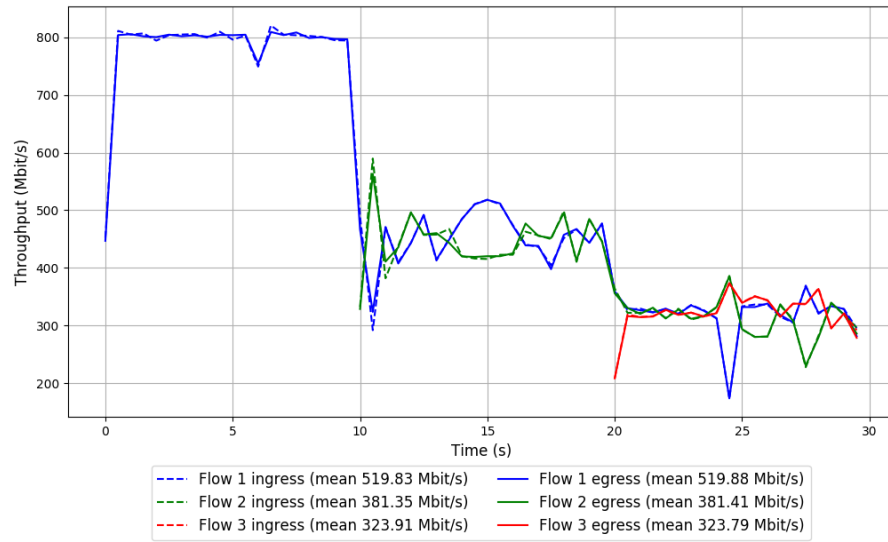


Run 8: Statistics of TCP BBR

Start at: 2018-03-13 17:28:14
End at: 2018-03-13 17:28:44
Local clock offset: 1.245 ms
Remote clock offset: -7.602 ms

Below is generated by plot.py at 2018-03-14 00:17:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 880.80 Mbit/s
95th percentile per-packet one-way delay: 20.955 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 519.88 Mbit/s
95th percentile per-packet one-way delay: 12.738 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 381.41 Mbit/s
95th percentile per-packet one-way delay: 26.926 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 323.79 Mbit/s
95th percentile per-packet one-way delay: 5.271 ms
Loss rate: 0.27%

Run 8: Report of TCP BBR — Data Link

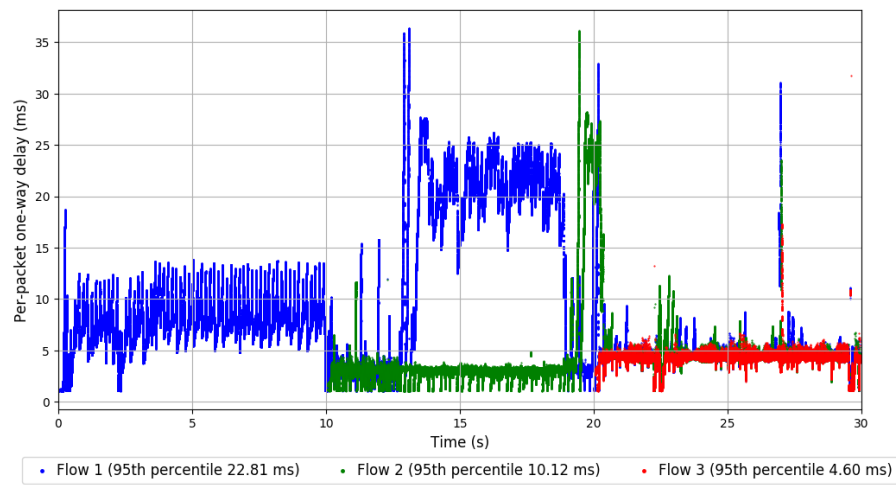
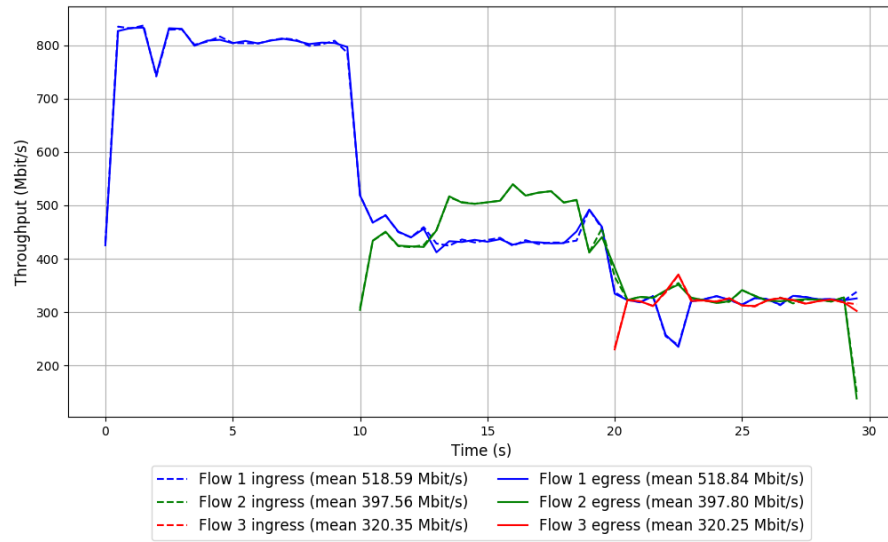


Run 9: Statistics of TCP BBR

Start at: 2018-03-13 17:57:38
End at: 2018-03-13 17:58:08
Local clock offset: 1.117 ms
Remote clock offset: -5.096 ms

Below is generated by plot.py at 2018-03-14 00:28:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 889.52 Mbit/s
95th percentile per-packet one-way delay: 21.688 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 518.84 Mbit/s
95th percentile per-packet one-way delay: 22.814 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 397.80 Mbit/s
95th percentile per-packet one-way delay: 10.121 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.25 Mbit/s
95th percentile per-packet one-way delay: 4.599 ms
Loss rate: 0.24%

Run 9: Report of TCP BBR — Data Link

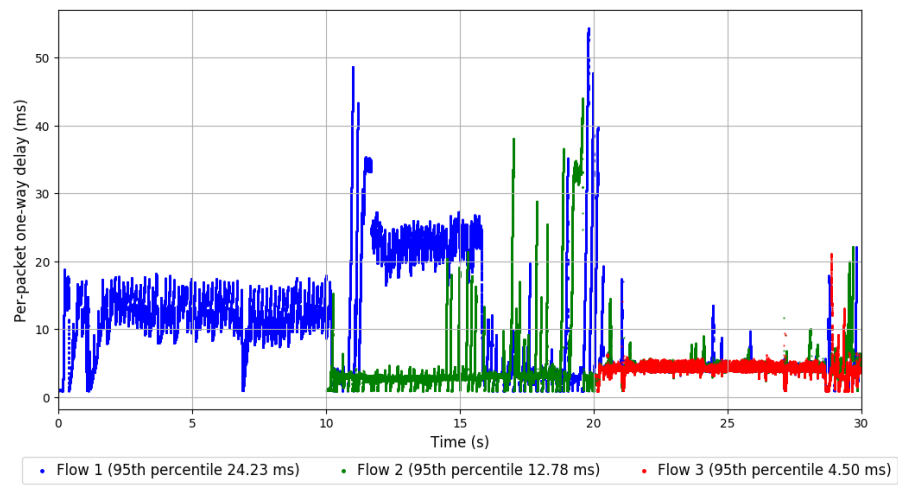
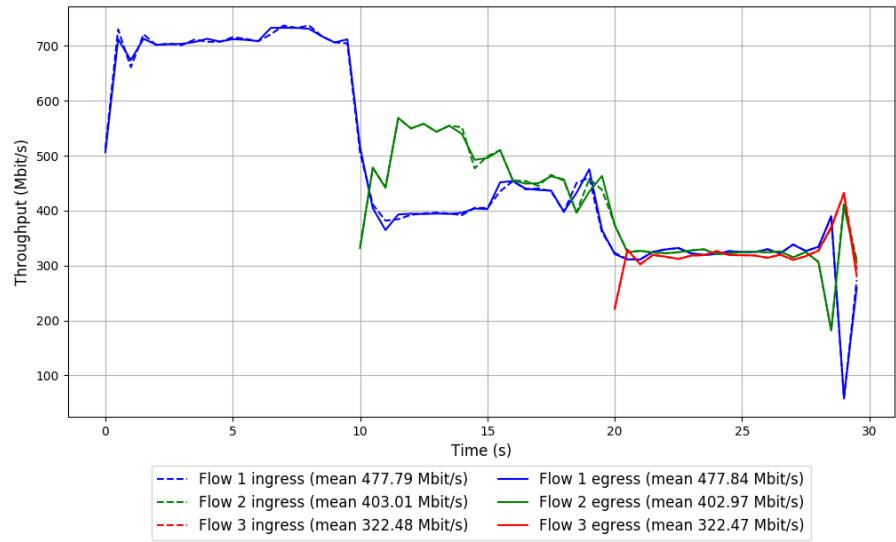


Run 10: Statistics of TCP BBR

Start at: 2018-03-13 18:27:09
End at: 2018-03-13 18:27:39
Local clock offset: 1.071 ms
Remote clock offset: -4.798 ms

Below is generated by plot.py at 2018-03-14 00:29:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 852.87 Mbit/s
95th percentile per-packet one-way delay: 23.008 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 477.84 Mbit/s
95th percentile per-packet one-way delay: 24.225 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 402.97 Mbit/s
95th percentile per-packet one-way delay: 12.780 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 322.47 Mbit/s
95th percentile per-packet one-way delay: 4.501 ms
Loss rate: 0.21%

Run 10: Report of TCP BBR — Data Link

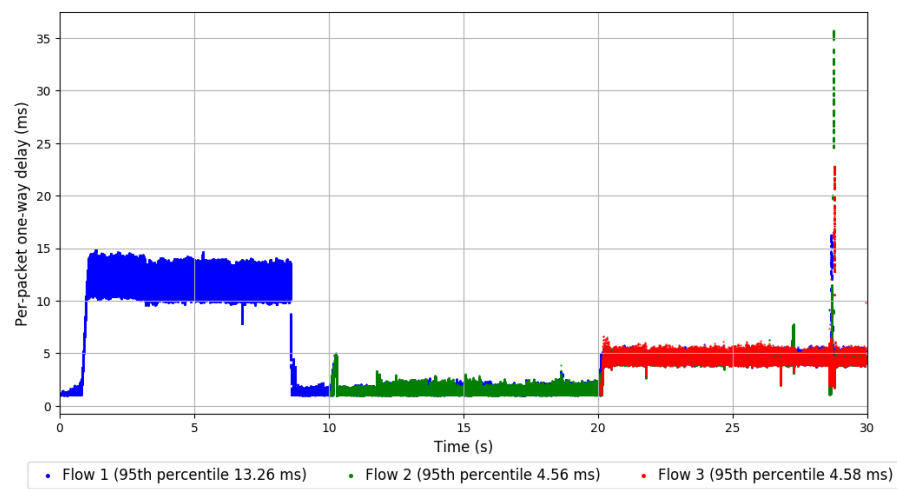
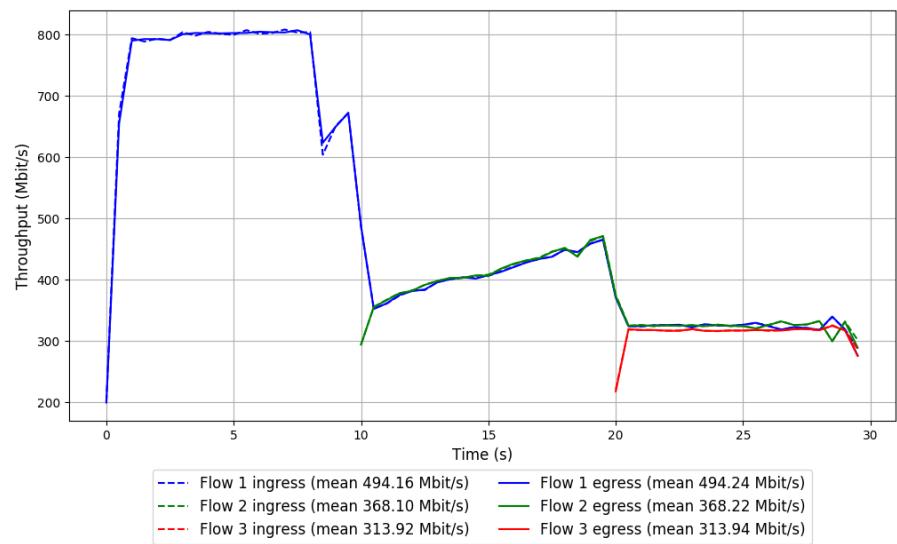


Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 14:23:05
End at: 2018-03-13 14:23:35
Local clock offset: 2.175 ms
Remote clock offset: -6.239 ms

Below is generated by plot.py at 2018-03-14 00:29:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 843.12 Mbit/s
95th percentile per-packet one-way delay: 12.860 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 494.24 Mbit/s
95th percentile per-packet one-way delay: 13.255 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 368.22 Mbit/s
95th percentile per-packet one-way delay: 4.560 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 313.94 Mbit/s
95th percentile per-packet one-way delay: 4.575 ms
Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link

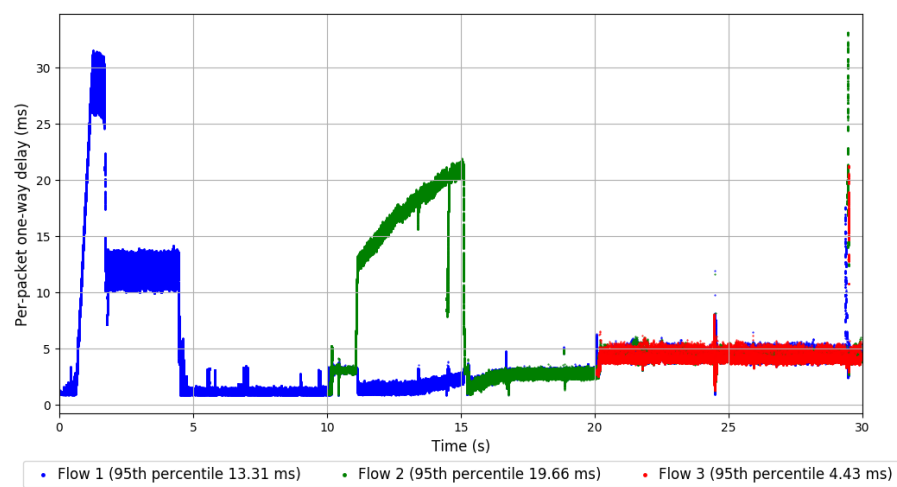
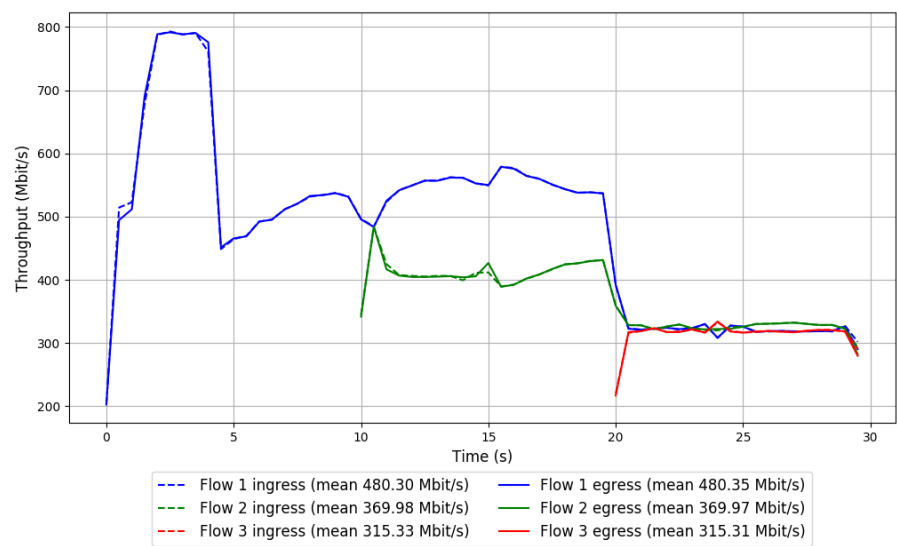


Run 2: Statistics of TCP Cubic

Start at: 2018-03-13 14:52:29
End at: 2018-03-13 14:52:59
Local clock offset: 2.612 ms
Remote clock offset: -5.878 ms

Below is generated by plot.py at 2018-03-14 00:29:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 831.00 Mbit/s
95th percentile per-packet one-way delay: 17.435 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 480.35 Mbit/s
95th percentile per-packet one-way delay: 13.311 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 369.97 Mbit/s
95th percentile per-packet one-way delay: 19.656 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.31 Mbit/s
95th percentile per-packet one-way delay: 4.430 ms
Loss rate: 0.22%

Run 2: Report of TCP Cubic — Data Link

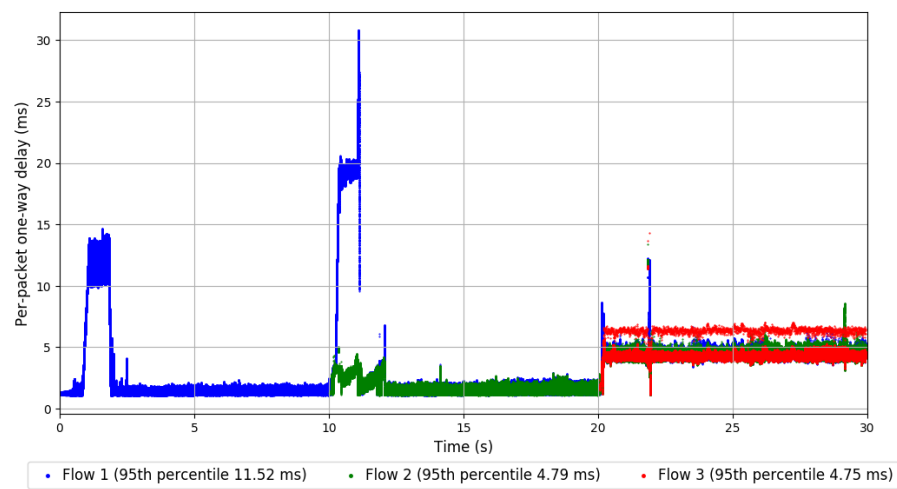
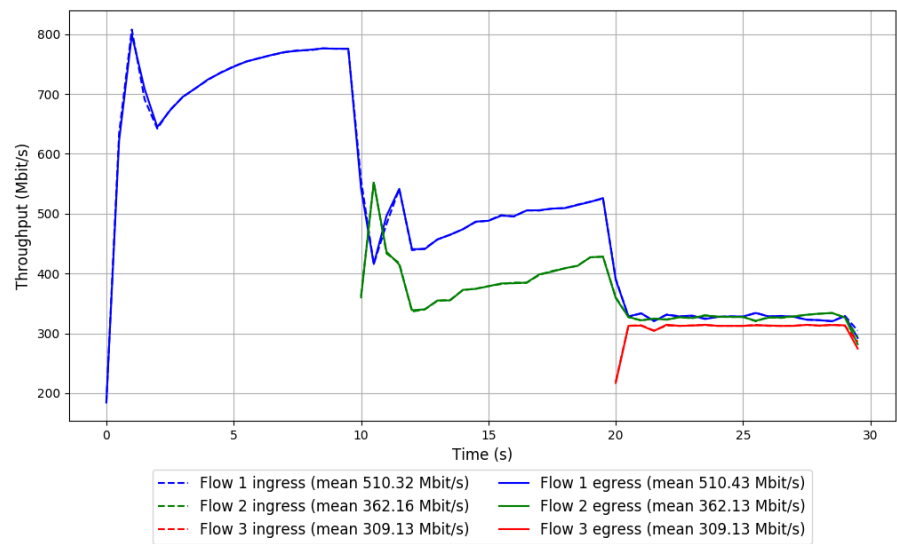


Run 3: Statistics of TCP Cubic

Start at: 2018-03-13 15:22:11
End at: 2018-03-13 15:22:41
Local clock offset: 1.638 ms
Remote clock offset: -6.148 ms

Below is generated by plot.py at 2018-03-14 00:29:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 853.69 Mbit/s
95th percentile per-packet one-way delay: 5.223 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 510.43 Mbit/s
95th percentile per-packet one-way delay: 11.519 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 362.13 Mbit/s
95th percentile per-packet one-way delay: 4.786 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 309.13 Mbit/s
95th percentile per-packet one-way delay: 4.749 ms
Loss rate: 0.22%

Run 3: Report of TCP Cubic — Data Link

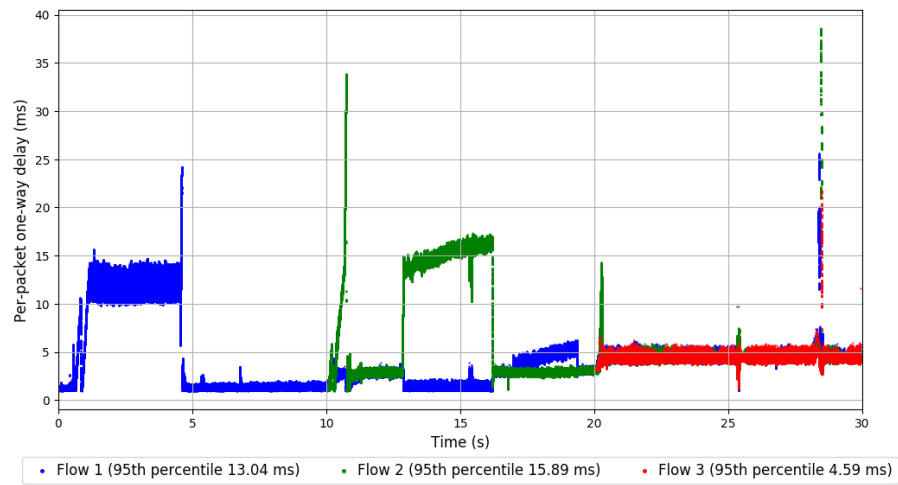
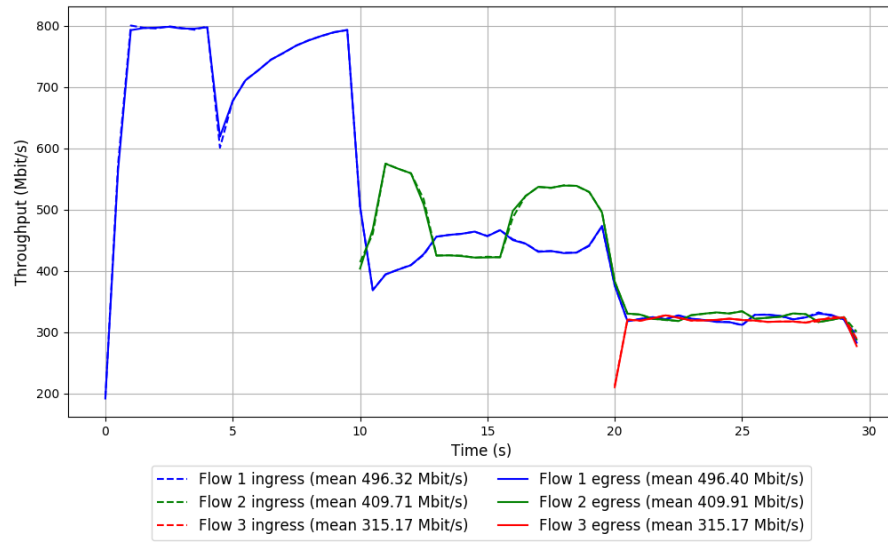


Run 4: Statistics of TCP Cubic

Start at: 2018-03-13 15:51:37
End at: 2018-03-13 15:52:07
Local clock offset: 0.273 ms
Remote clock offset: -4.373 ms

Below is generated by plot.py at 2018-03-14 00:29:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 873.42 Mbit/s
95th percentile per-packet one-way delay: 14.129 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 496.40 Mbit/s
95th percentile per-packet one-way delay: 13.040 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 409.91 Mbit/s
95th percentile per-packet one-way delay: 15.891 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.17 Mbit/s
95th percentile per-packet one-way delay: 4.593 ms
Loss rate: 0.24%

Run 4: Report of TCP Cubic — Data Link

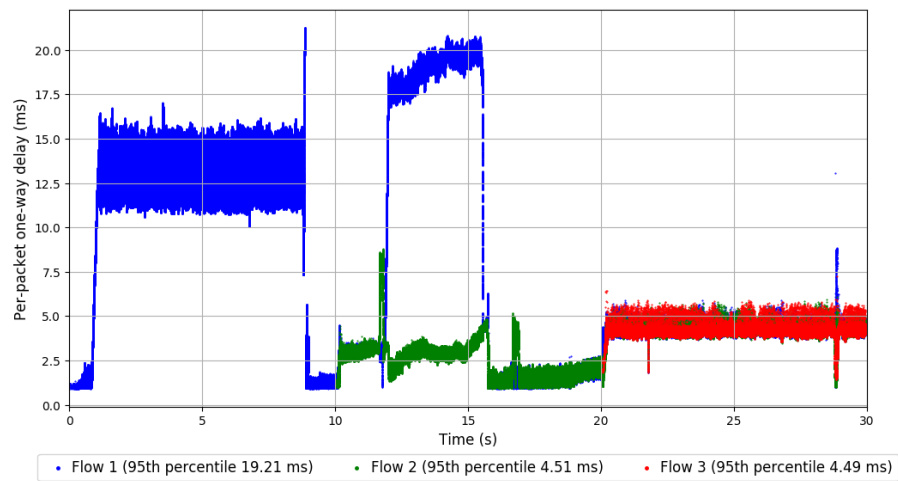
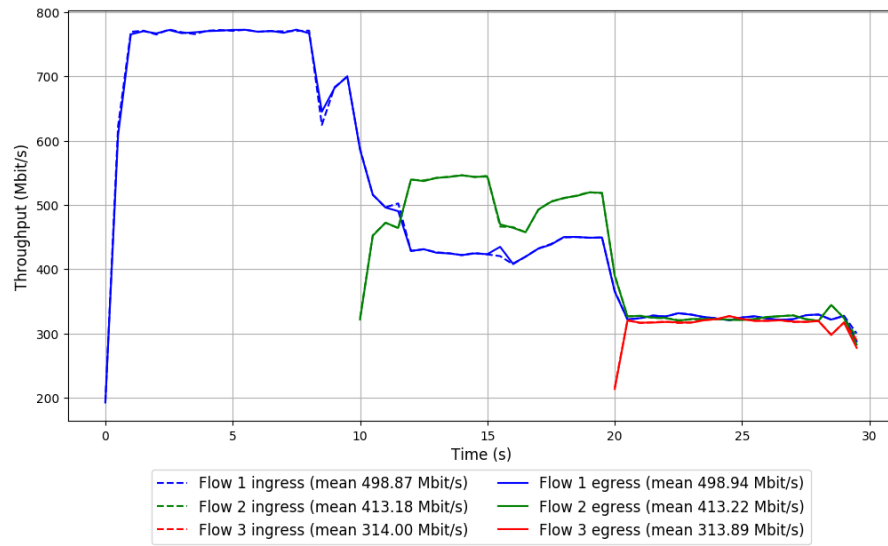


Run 5: Statistics of TCP Cubic

Start at: 2018-03-13 16:20:43
End at: 2018-03-13 16:21:13
Local clock offset: -0.453 ms
Remote clock offset: -3.856 ms

Below is generated by plot.py at 2018-03-14 00:30:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 877.85 Mbit/s
95th percentile per-packet one-way delay: 17.892 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 498.94 Mbit/s
95th percentile per-packet one-way delay: 19.206 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 413.22 Mbit/s
95th percentile per-packet one-way delay: 4.511 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 313.89 Mbit/s
95th percentile per-packet one-way delay: 4.488 ms
Loss rate: 0.25%

Run 5: Report of TCP Cubic — Data Link

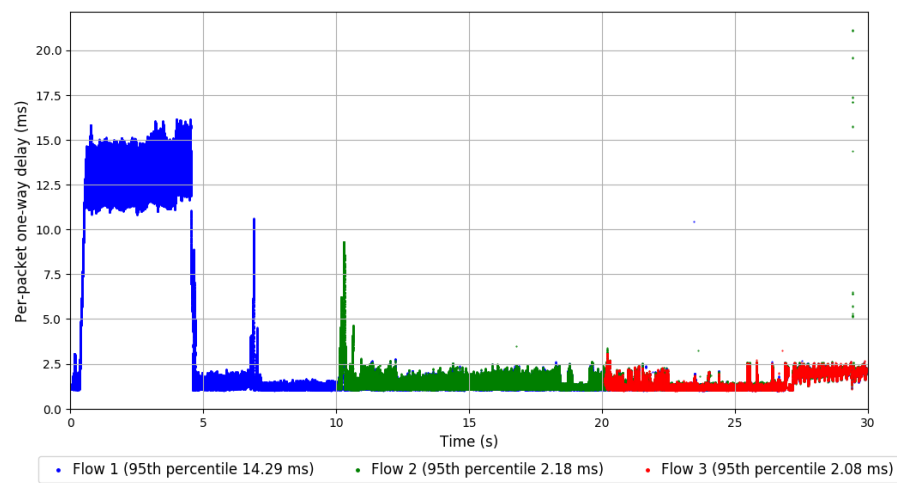
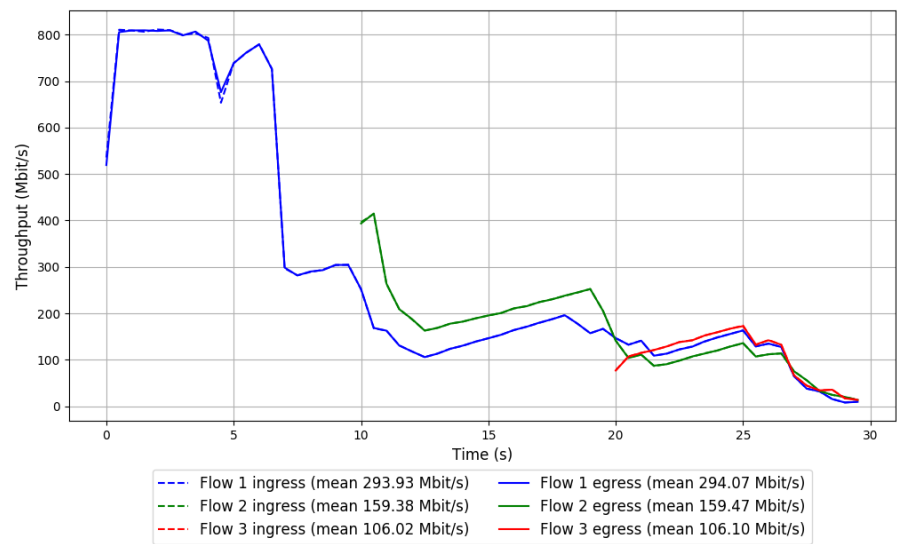


Run 6: Statistics of TCP Cubic

Start at: 2018-03-13 16:49:58
End at: 2018-03-13 16:50:28
Local clock offset: -0.909 ms
Remote clock offset: -6.398 ms

Below is generated by plot.py at 2018-03-14 00:30:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.21 Mbit/s
95th percentile per-packet one-way delay: 13.984 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 294.07 Mbit/s
95th percentile per-packet one-way delay: 14.285 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 159.47 Mbit/s
95th percentile per-packet one-way delay: 2.176 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 106.10 Mbit/s
95th percentile per-packet one-way delay: 2.080 ms
Loss rate: 0.13%

Run 6: Report of TCP Cubic — Data Link

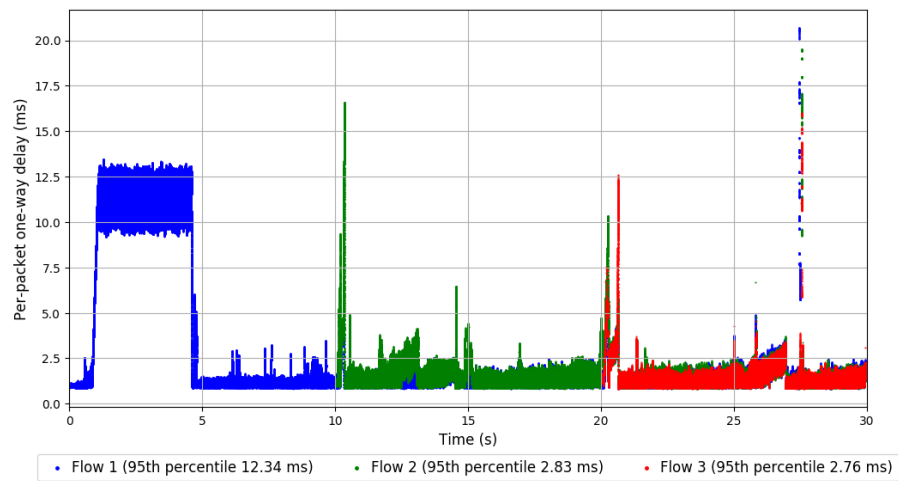
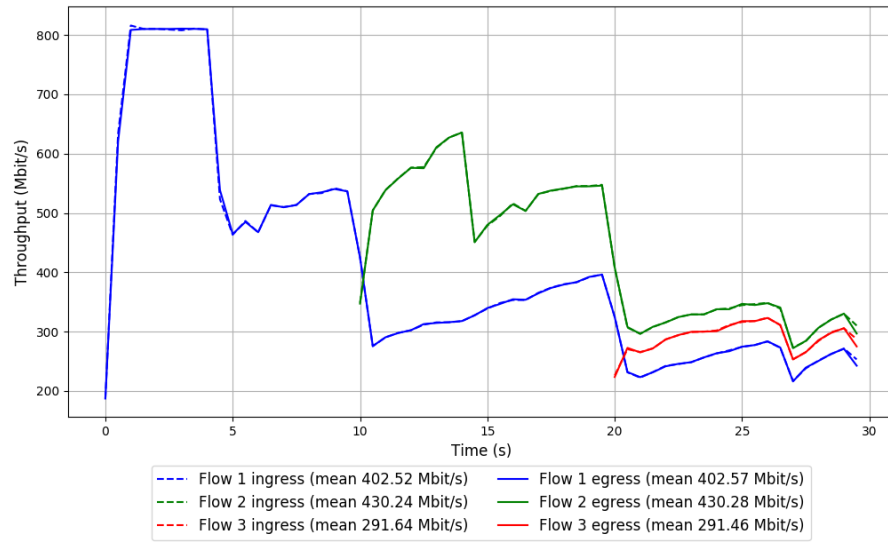


Run 7: Statistics of TCP Cubic

Start at: 2018-03-13 17:19:06
End at: 2018-03-13 17:19:36
Local clock offset: 1.051 ms
Remote clock offset: -7.405 ms

Below is generated by plot.py at 2018-03-14 00:33:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 785.45 Mbit/s
95th percentile per-packet one-way delay: 11.552 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 402.57 Mbit/s
95th percentile per-packet one-way delay: 12.338 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 430.28 Mbit/s
95th percentile per-packet one-way delay: 2.830 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 291.46 Mbit/s
95th percentile per-packet one-way delay: 2.760 ms
Loss rate: 0.24%

Run 7: Report of TCP Cubic — Data Link

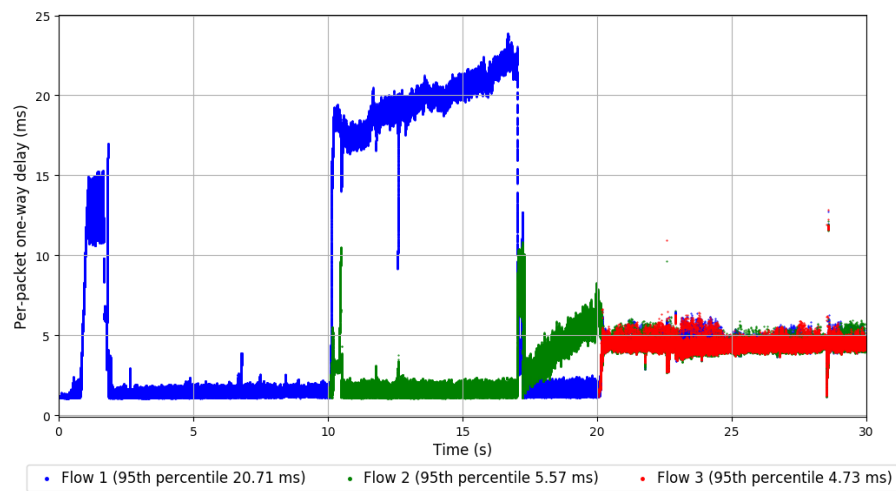
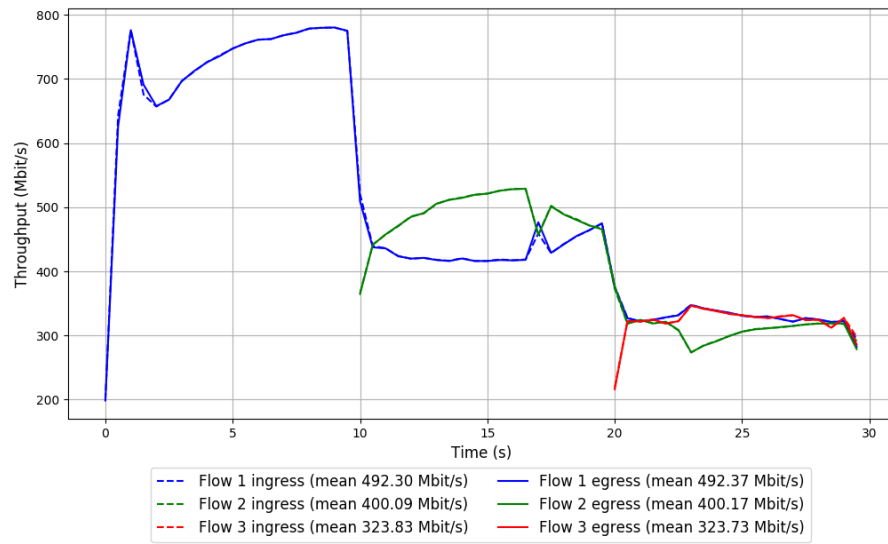


Run 8: Statistics of TCP Cubic

Start at: 2018-03-13 17:48:18
End at: 2018-03-13 17:48:48
Local clock offset: 1.093 ms
Remote clock offset: -5.935 ms

Below is generated by plot.py at 2018-03-14 00:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 865.81 Mbit/s
95th percentile per-packet one-way delay: 19.931 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 492.37 Mbit/s
95th percentile per-packet one-way delay: 20.710 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 400.17 Mbit/s
95th percentile per-packet one-way delay: 5.567 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 323.73 Mbit/s
95th percentile per-packet one-way delay: 4.731 ms
Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link

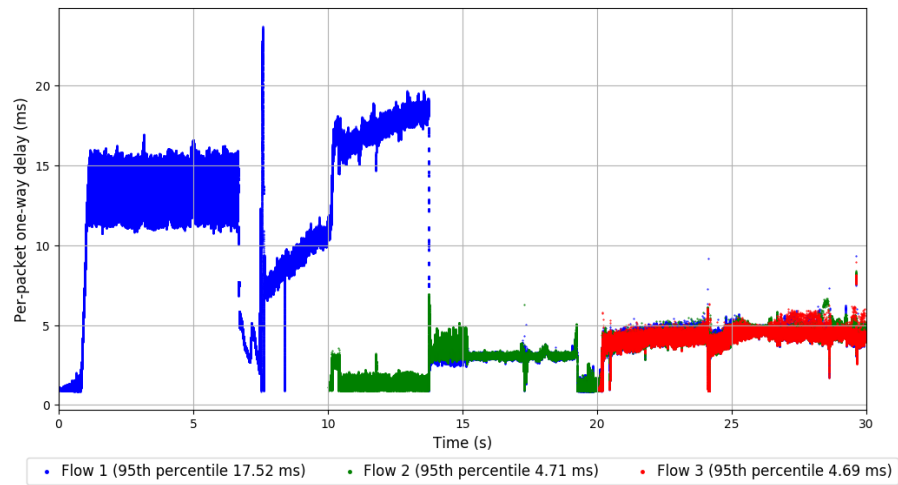
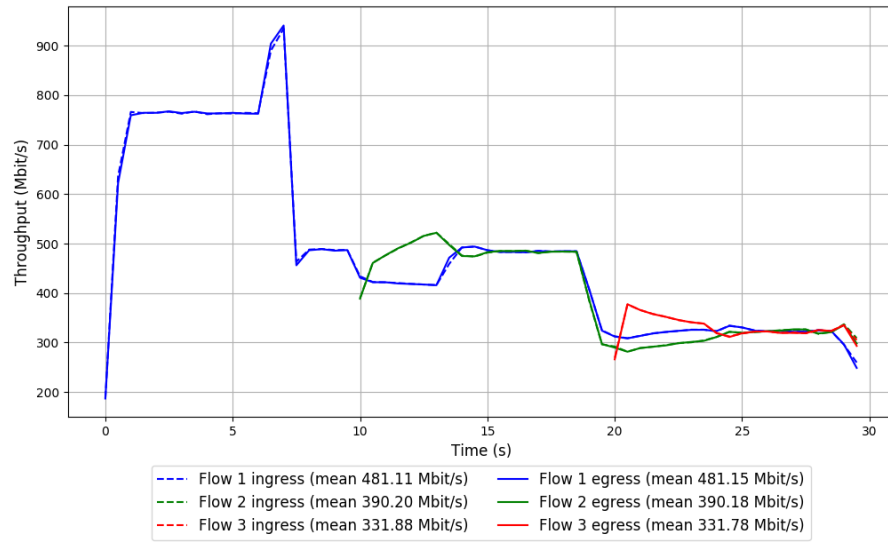


Run 9: Statistics of TCP Cubic

Start at: 2018-03-13 18:17:51
End at: 2018-03-13 18:18:21
Local clock offset: 0.979 ms
Remote clock offset: -4.614 ms

Below is generated by plot.py at 2018-03-14 00:41:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 850.72 Mbit/s
95th percentile per-packet one-way delay: 16.475 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 481.15 Mbit/s
95th percentile per-packet one-way delay: 17.520 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.18 Mbit/s
95th percentile per-packet one-way delay: 4.714 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 331.78 Mbit/s
95th percentile per-packet one-way delay: 4.686 ms
Loss rate: 0.22%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-13 18:47:02

End at: 2018-03-13 18:47:32

Local clock offset: 1.221 ms

Remote clock offset: -4.74 ms

Below is generated by plot.py at 2018-03-14 00:41:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 882.27 Mbit/s

95th percentile per-packet one-way delay: 21.942 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 525.07 Mbit/s

95th percentile per-packet one-way delay: 12.869 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 380.15 Mbit/s

95th percentile per-packet one-way delay: 22.781 ms

Loss rate: 0.10%

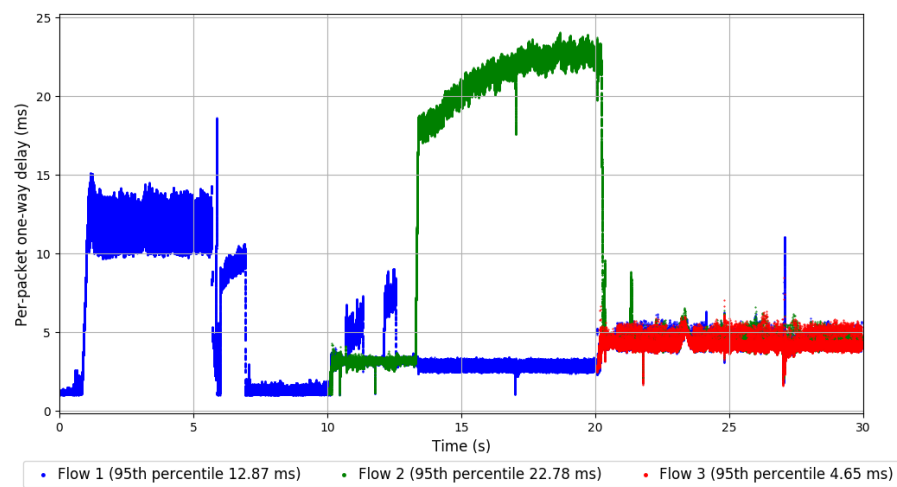
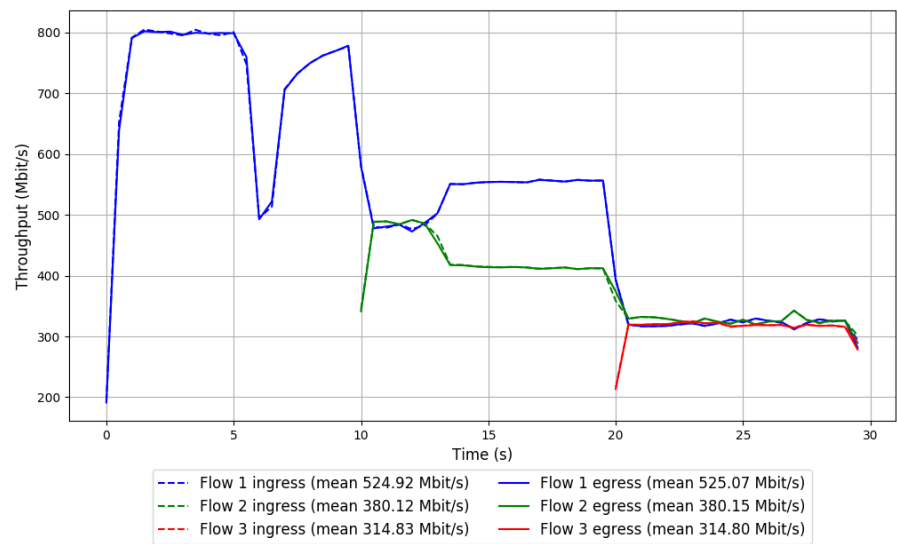
-- Flow 3:

Average throughput: 314.80 Mbit/s

95th percentile per-packet one-way delay: 4.654 ms

Loss rate: 0.24%

Run 10: Report of TCP Cubic — Data Link

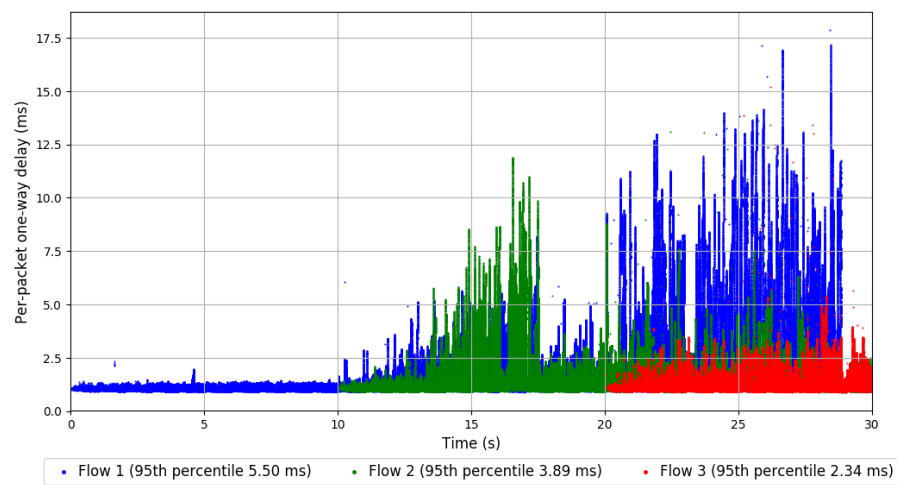
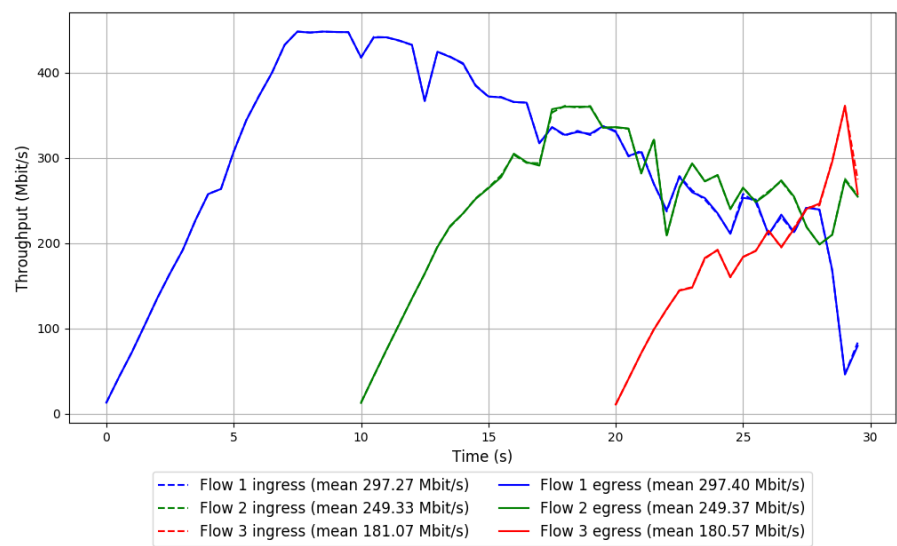


Run 1: Statistics of LEDBAT

Start at: 2018-03-13 14:13:19
End at: 2018-03-13 14:13:49
Local clock offset: 1.795 ms
Remote clock offset: -6.506 ms

Below is generated by plot.py at 2018-03-14 00:41:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.97 Mbit/s
95th percentile per-packet one-way delay: 4.500 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 297.40 Mbit/s
95th percentile per-packet one-way delay: 5.504 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 249.37 Mbit/s
95th percentile per-packet one-way delay: 3.892 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 180.57 Mbit/s
95th percentile per-packet one-way delay: 2.344 ms
Loss rate: 0.47%

Run 1: Report of LEDBAT — Data Link

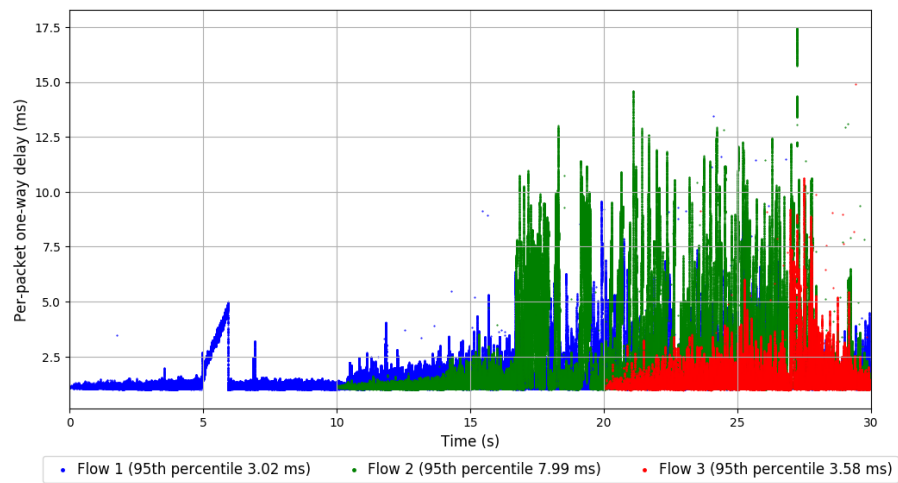
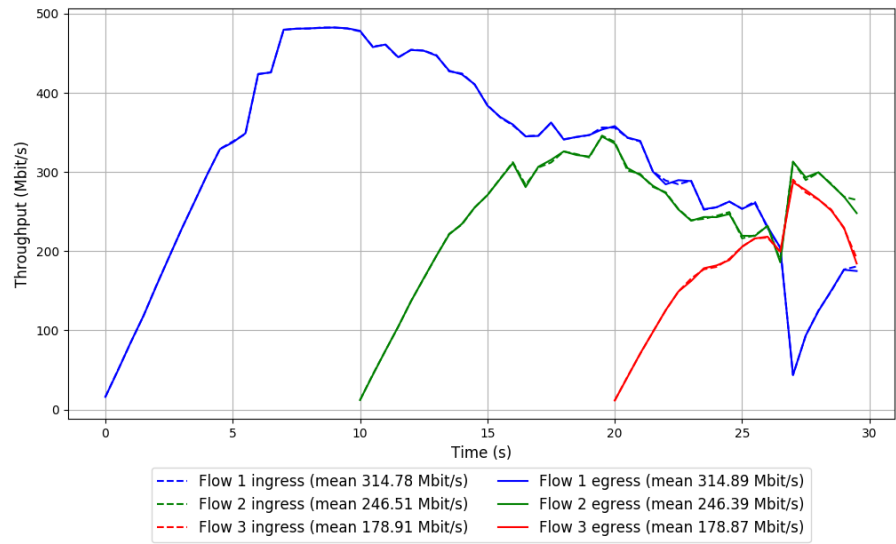


Run 2: Statistics of LEDBAT

Start at: 2018-03-13 14:42:37
End at: 2018-03-13 14:43:07
Local clock offset: 2.505 ms
Remote clock offset: -5.892 ms

Below is generated by plot.py at 2018-03-14 00:41:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 537.86 Mbit/s
95th percentile per-packet one-way delay: 5.046 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 314.89 Mbit/s
95th percentile per-packet one-way delay: 3.018 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 246.39 Mbit/s
95th percentile per-packet one-way delay: 7.985 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 178.87 Mbit/s
95th percentile per-packet one-way delay: 3.585 ms
Loss rate: 0.19%

Run 2: Report of LEDBAT — Data Link

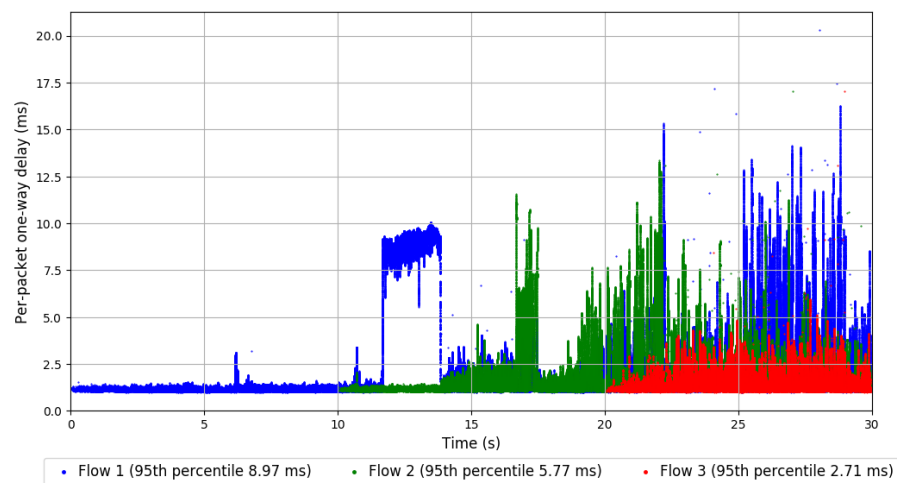
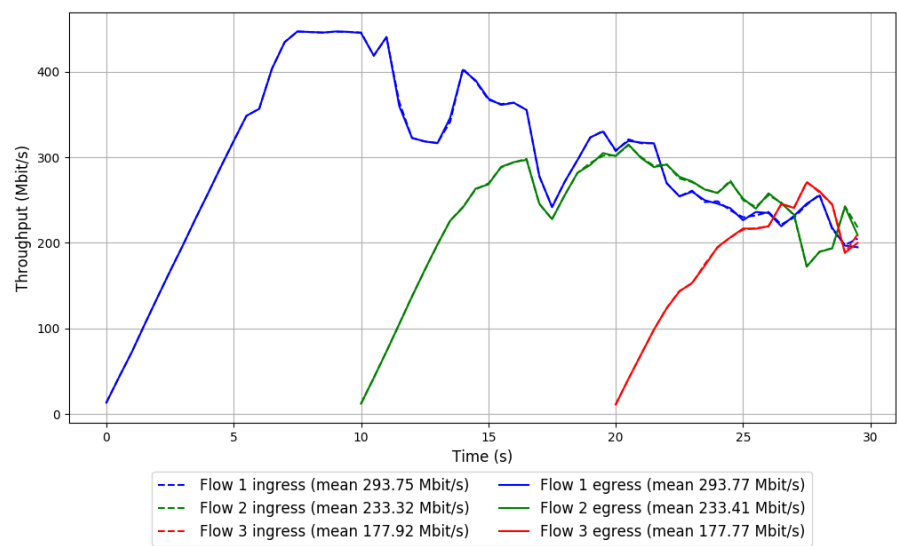


Run 3: Statistics of LEDBAT

Start at: 2018-03-13 15:12:13
End at: 2018-03-13 15:12:43
Local clock offset: 2.863 ms
Remote clock offset: -6.169 ms

Below is generated by plot.py at 2018-03-14 00:41:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.68 Mbit/s
95th percentile per-packet one-way delay: 8.337 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 293.77 Mbit/s
95th percentile per-packet one-way delay: 8.972 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 233.41 Mbit/s
95th percentile per-packet one-way delay: 5.767 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 177.77 Mbit/s
95th percentile per-packet one-way delay: 2.709 ms
Loss rate: 0.29%

Run 3: Report of LEDBAT — Data Link

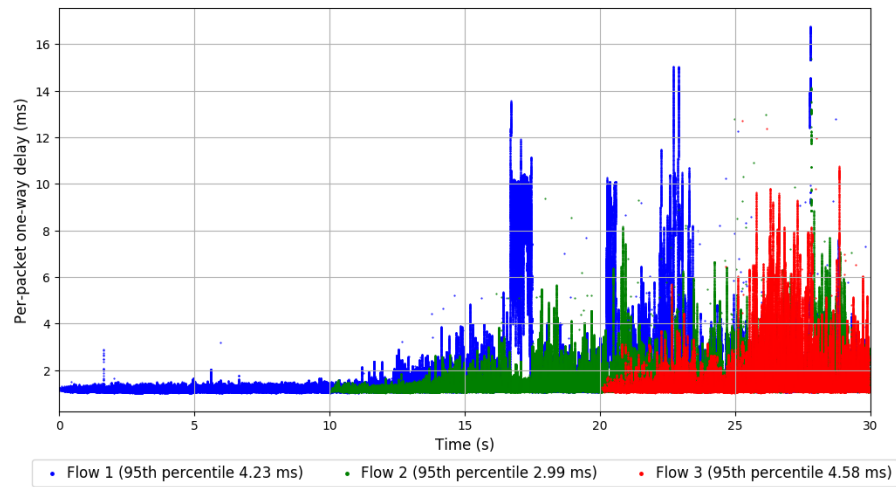
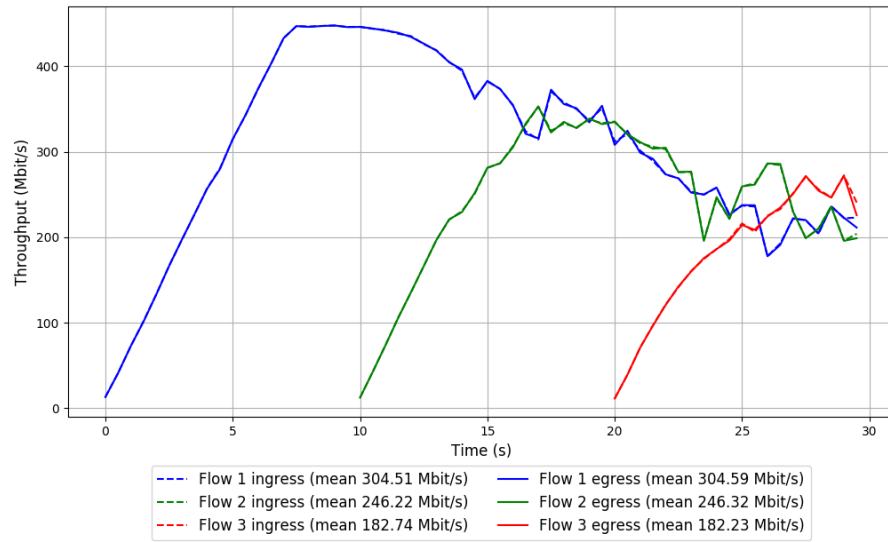


Run 4: Statistics of LEDBAT

Start at: 2018-03-13 15:41:48
End at: 2018-03-13 15:42:18
Local clock offset: 0.525 ms
Remote clock offset: -4.744 ms

Below is generated by plot.py at 2018-03-14 00:41:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.50 Mbit/s
95th percentile per-packet one-way delay: 3.680 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 304.59 Mbit/s
95th percentile per-packet one-way delay: 4.226 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 246.32 Mbit/s
95th percentile per-packet one-way delay: 2.991 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 182.23 Mbit/s
95th percentile per-packet one-way delay: 4.585 ms
Loss rate: 0.47%

Run 4: Report of LEDBAT — Data Link

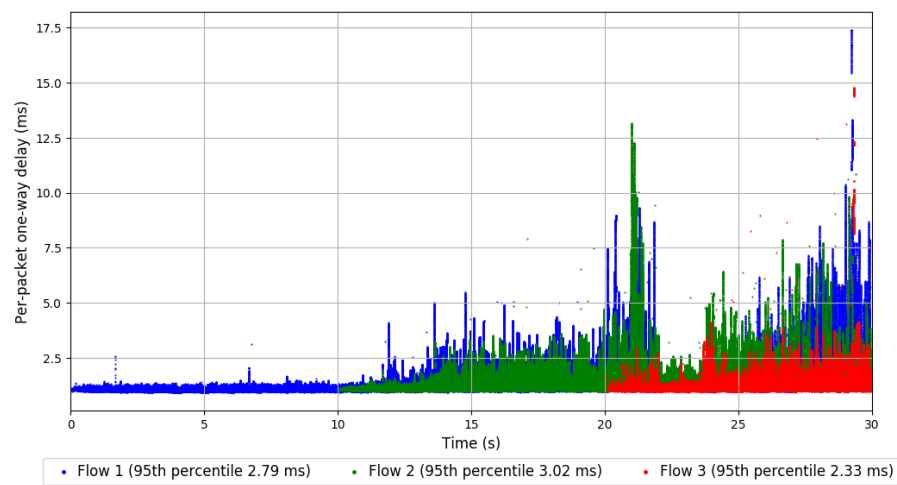
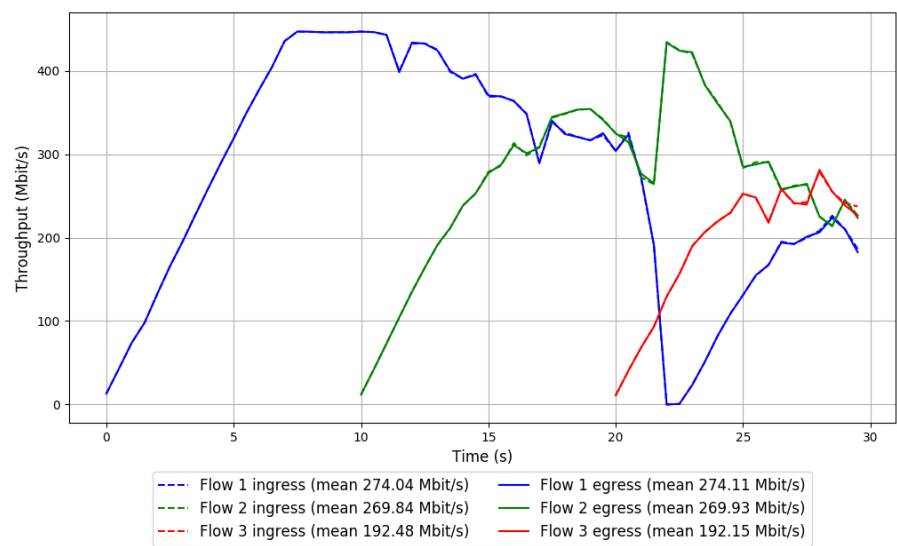


Run 5: Statistics of LEDBAT

Start at: 2018-03-13 16:10:50
End at: 2018-03-13 16:11:20
Local clock offset: -0.145 ms
Remote clock offset: -3.978 ms

Below is generated by plot.py at 2018-03-14 00:42:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 517.09 Mbit/s
95th percentile per-packet one-way delay: 2.803 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 274.11 Mbit/s
95th percentile per-packet one-way delay: 2.793 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 269.93 Mbit/s
95th percentile per-packet one-way delay: 3.015 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 192.15 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.36%

Run 5: Report of LEDBAT — Data Link

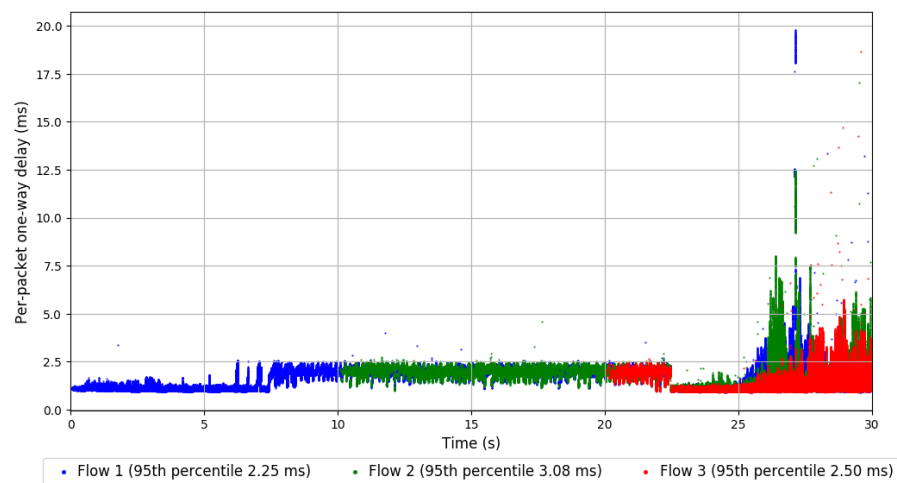
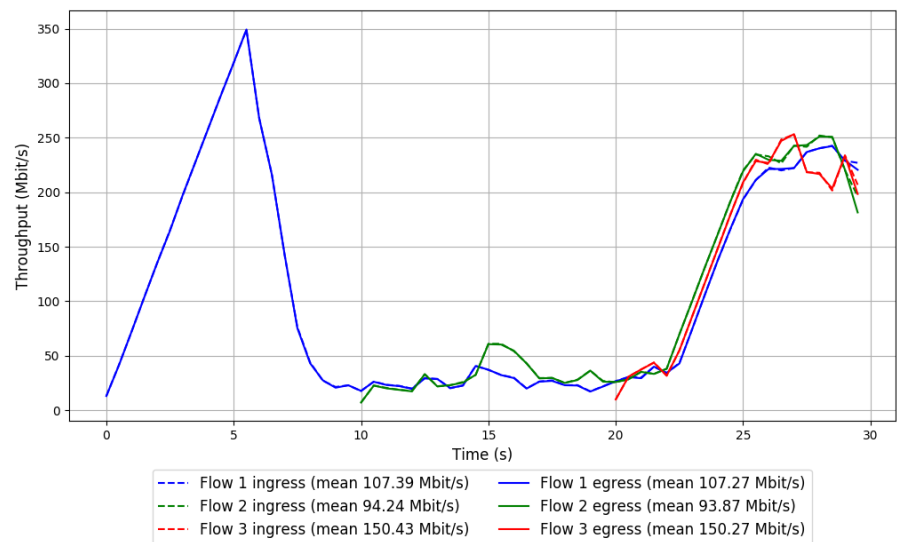


Run 6: Statistics of LEDBAT

Start at: 2018-03-13 16:40:22
End at: 2018-03-13 16:40:52
Local clock offset: -0.757 ms
Remote clock offset: -5.561 ms

Below is generated by plot.py at 2018-03-14 00:42:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.24 Mbit/s
95th percentile per-packet one-way delay: 2.493 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 107.27 Mbit/s
95th percentile per-packet one-way delay: 2.253 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 3.078 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 150.27 Mbit/s
95th percentile per-packet one-way delay: 2.502 ms
Loss rate: 0.31%

Run 6: Report of LEDBAT — Data Link

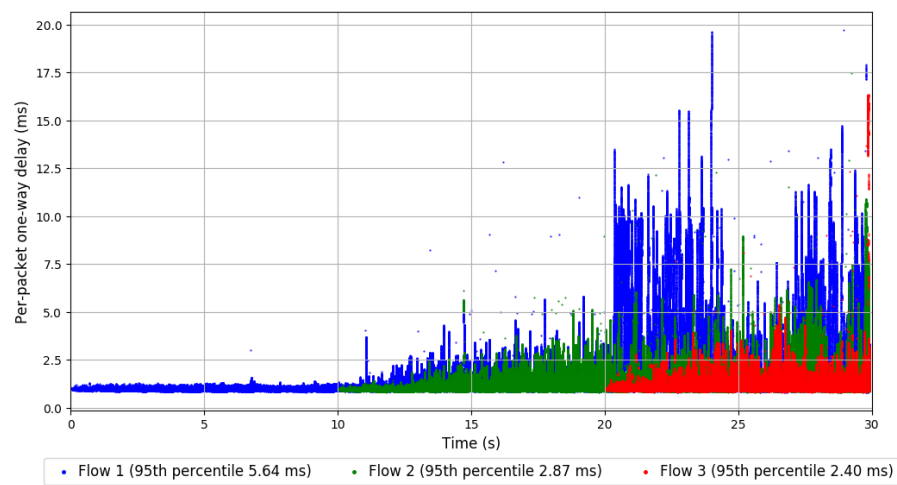
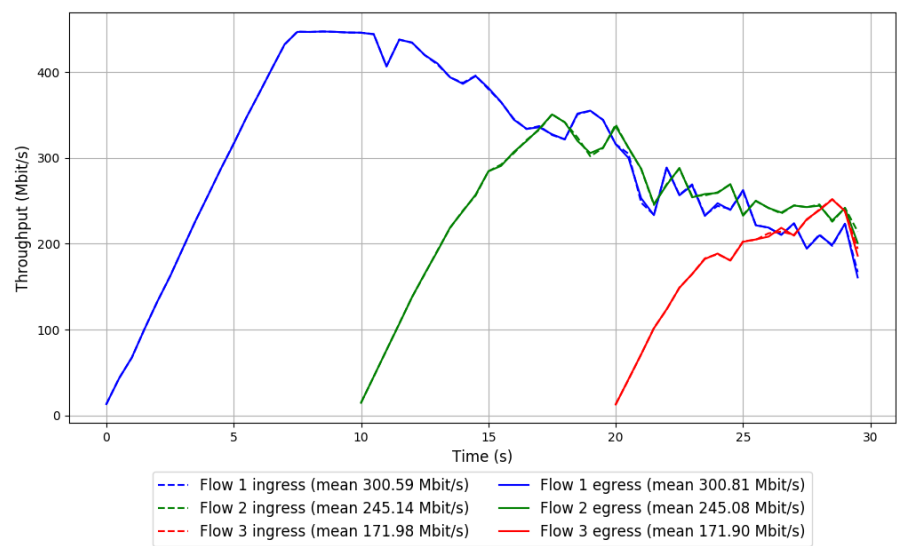


Run 7: Statistics of LEDBAT

Start at: 2018-03-13 17:09:20
End at: 2018-03-13 17:09:50
Local clock offset: 0.685 ms
Remote clock offset: -7.066 ms

Below is generated by plot.py at 2018-03-14 00:44:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.70 Mbit/s
95th percentile per-packet one-way delay: 3.964 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 300.81 Mbit/s
95th percentile per-packet one-way delay: 5.644 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 245.08 Mbit/s
95th percentile per-packet one-way delay: 2.871 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 171.90 Mbit/s
95th percentile per-packet one-way delay: 2.400 ms
Loss rate: 0.28%

Run 7: Report of LEDBAT — Data Link

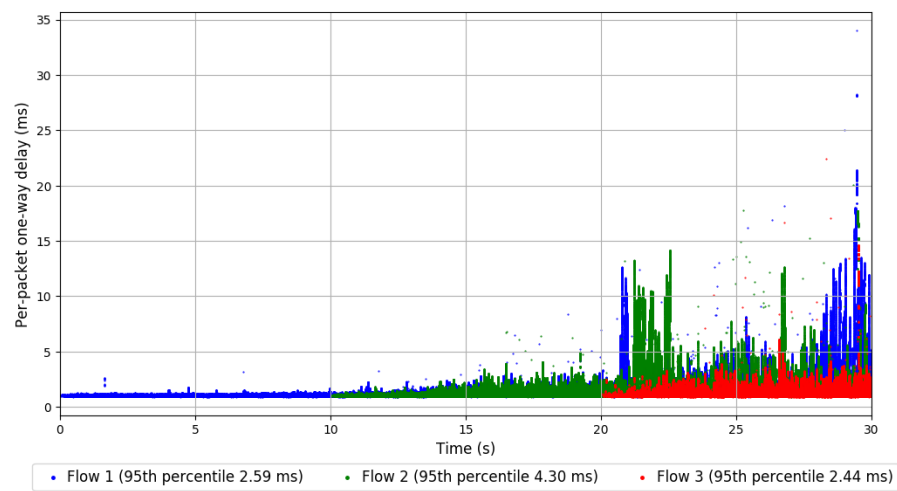
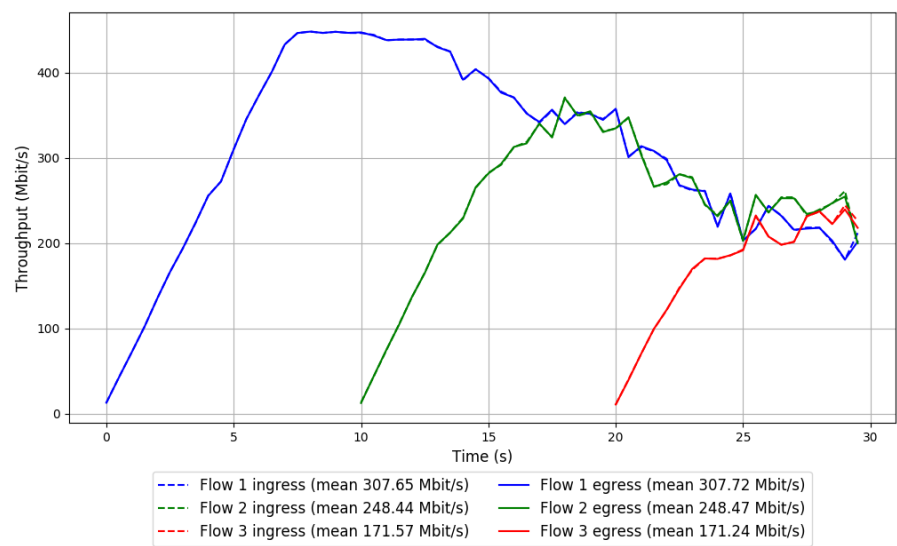


Run 8: Statistics of LEDBAT

Start at: 2018-03-13 17:38:16
End at: 2018-03-13 17:38:47
Local clock offset: 1.144 ms
Remote clock offset: -7.857 ms

Below is generated by plot.py at 2018-03-14 00:44:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.58 Mbit/s
95th percentile per-packet one-way delay: 3.020 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 307.72 Mbit/s
95th percentile per-packet one-way delay: 2.590 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 248.47 Mbit/s
95th percentile per-packet one-way delay: 4.302 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 171.24 Mbit/s
95th percentile per-packet one-way delay: 2.439 ms
Loss rate: 0.39%

Run 8: Report of LEDBAT — Data Link

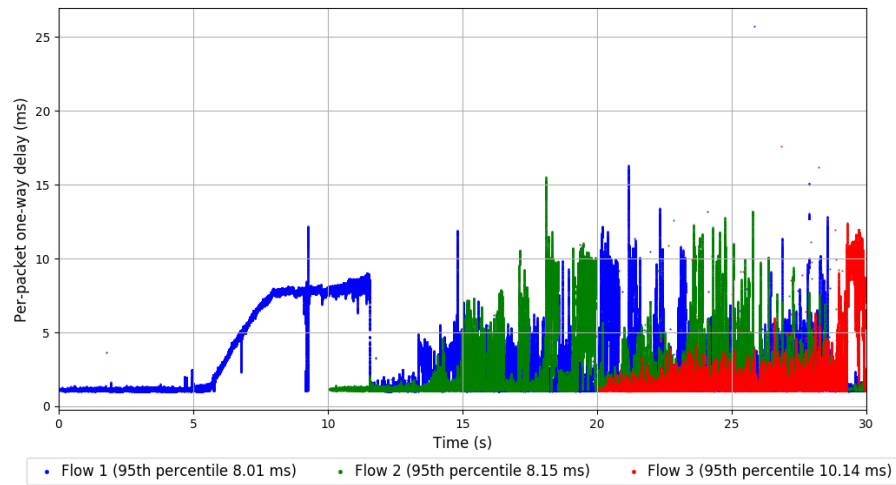
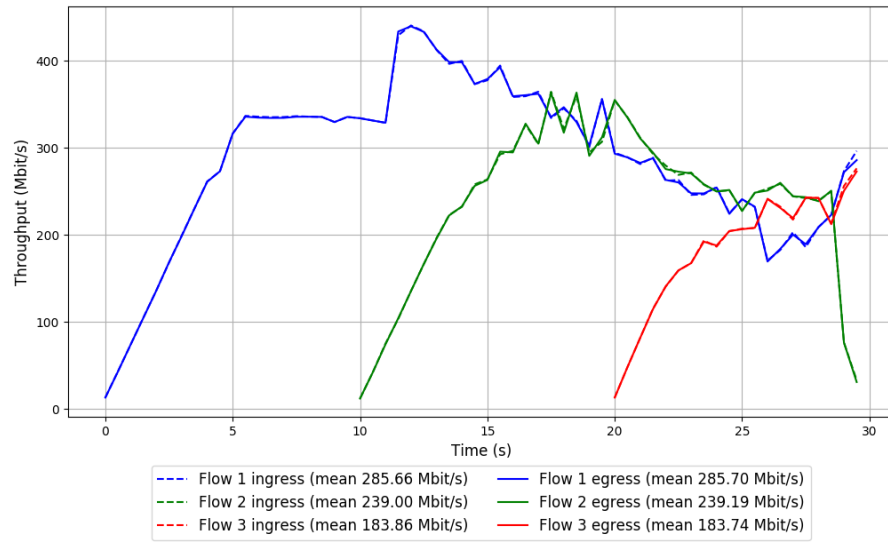


Run 9: Statistics of LEDBAT

Start at: 2018-03-13 18:07:41
End at: 2018-03-13 18:08:11
Local clock offset: 1.104 ms
Remote clock offset: -4.568 ms

Below is generated by plot.py at 2018-03-14 00:44:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 505.47 Mbit/s
95th percentile per-packet one-way delay: 8.078 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 285.70 Mbit/s
95th percentile per-packet one-way delay: 8.013 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 239.19 Mbit/s
95th percentile per-packet one-way delay: 8.155 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 183.74 Mbit/s
95th percentile per-packet one-way delay: 10.138 ms
Loss rate: 0.28%

Run 9: Report of LEDBAT — Data Link

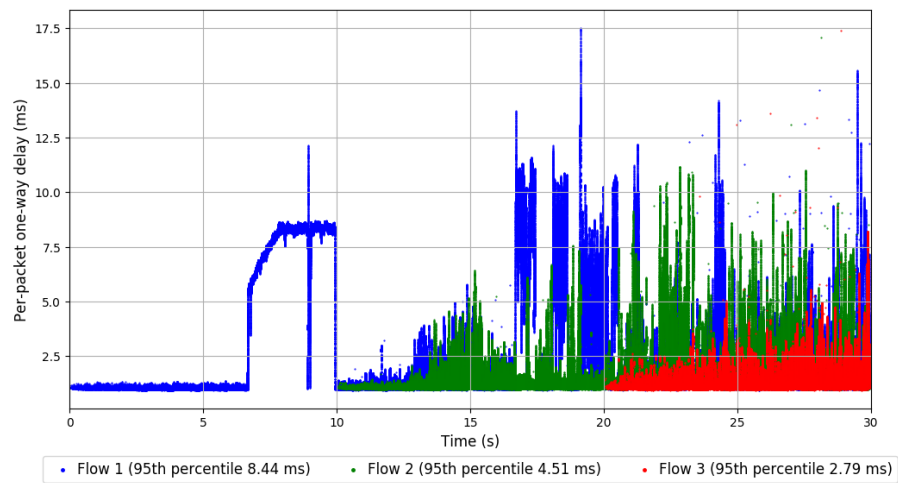
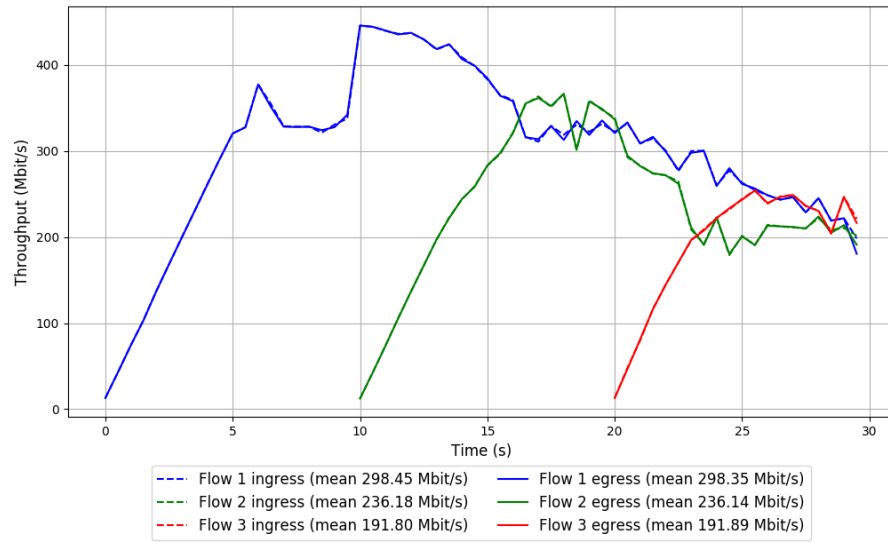


Run 10: Statistics of LEDBAT

Start at: 2018-03-13 18:37:11
End at: 2018-03-13 18:37:41
Local clock offset: 1.069 ms
Remote clock offset: -4.859 ms

Below is generated by plot.py at 2018-03-14 00:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 518.81 Mbit/s
95th percentile per-packet one-way delay: 8.308 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 298.35 Mbit/s
95th percentile per-packet one-way delay: 8.444 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 236.14 Mbit/s
95th percentile per-packet one-way delay: 4.515 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 191.89 Mbit/s
95th percentile per-packet one-way delay: 2.788 ms
Loss rate: 0.14%

Run 10: Report of LEDBAT — Data Link

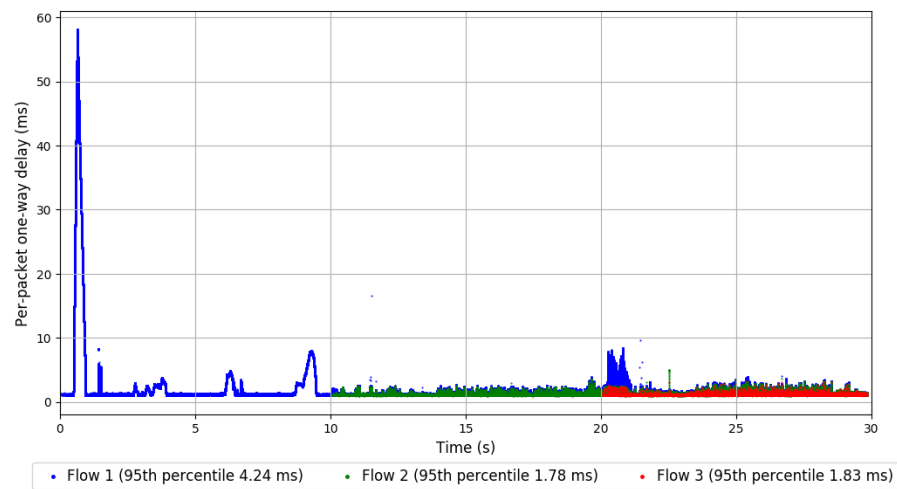
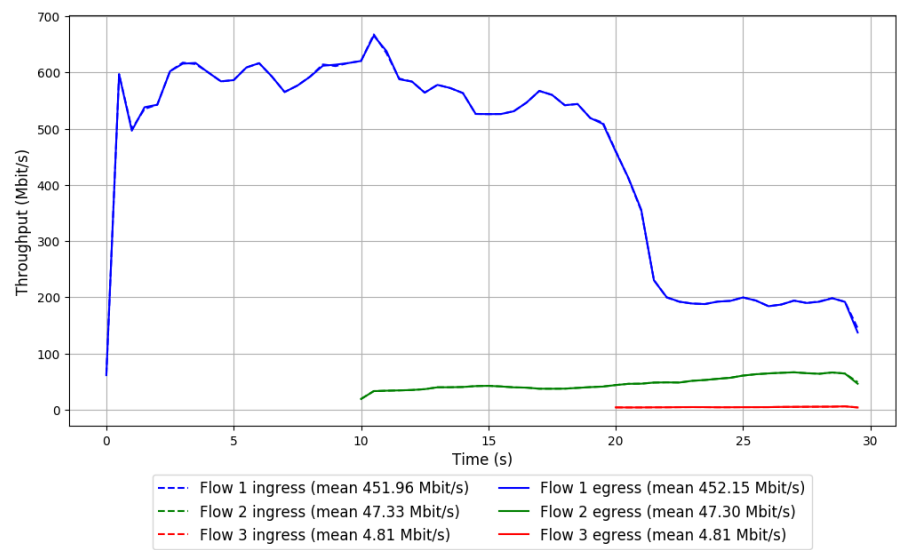


Run 1: Statistics of PCC

Start at: 2018-03-13 14:20:12
End at: 2018-03-13 14:20:42
Local clock offset: 2.091 ms
Remote clock offset: -6.309 ms

Below is generated by plot.py at 2018-03-14 00:47:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.17 Mbit/s
95th percentile per-packet one-way delay: 4.127 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 452.15 Mbit/s
95th percentile per-packet one-way delay: 4.243 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 1.784 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 1.826 ms
Loss rate: 0.26%

Run 1: Report of PCC — Data Link

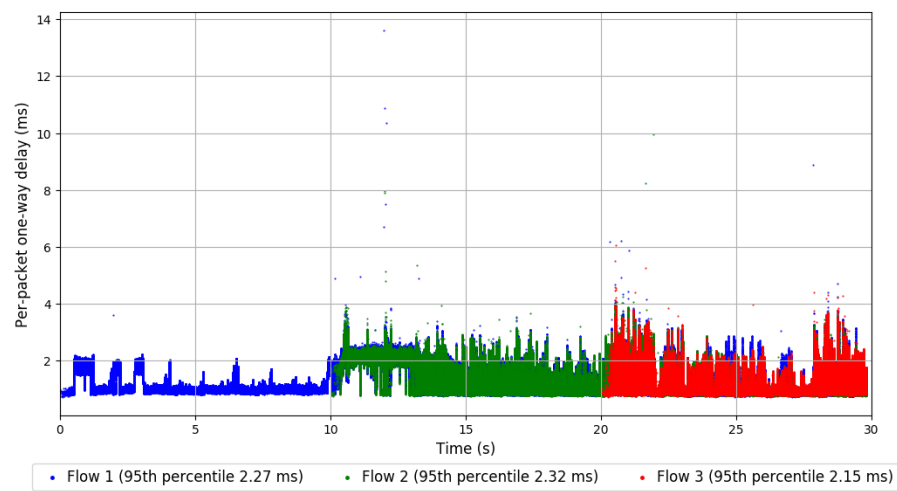
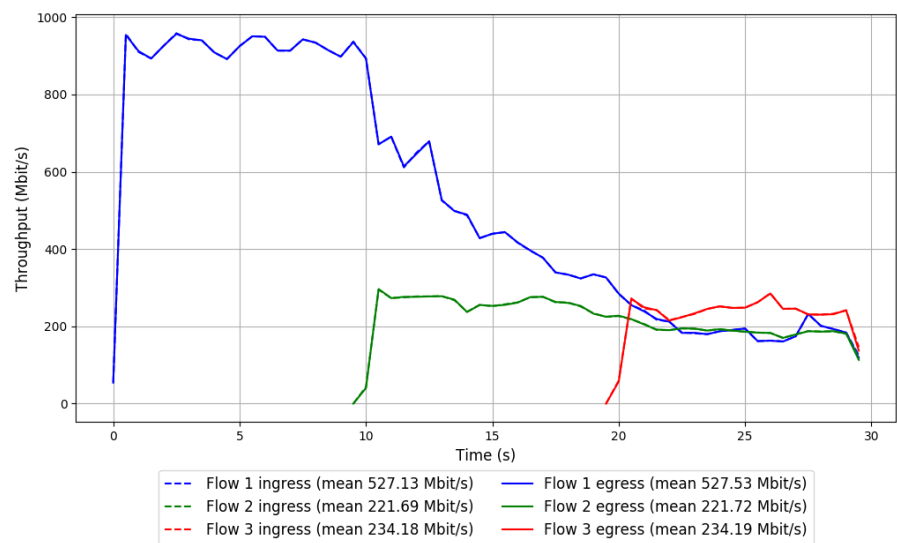


Run 2: Statistics of PCC

Start at: 2018-03-13 14:49:31
End at: 2018-03-13 14:50:01
Local clock offset: 2.482 ms
Remote clock offset: -5.765 ms

Below is generated by plot.py at 2018-03-14 00:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 752.01 Mbit/s
95th percentile per-packet one-way delay: 2.277 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 527.53 Mbit/s
95th percentile per-packet one-way delay: 2.270 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 221.72 Mbit/s
95th percentile per-packet one-way delay: 2.320 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 234.19 Mbit/s
95th percentile per-packet one-way delay: 2.151 ms
Loss rate: 0.21%

Run 2: Report of PCC — Data Link

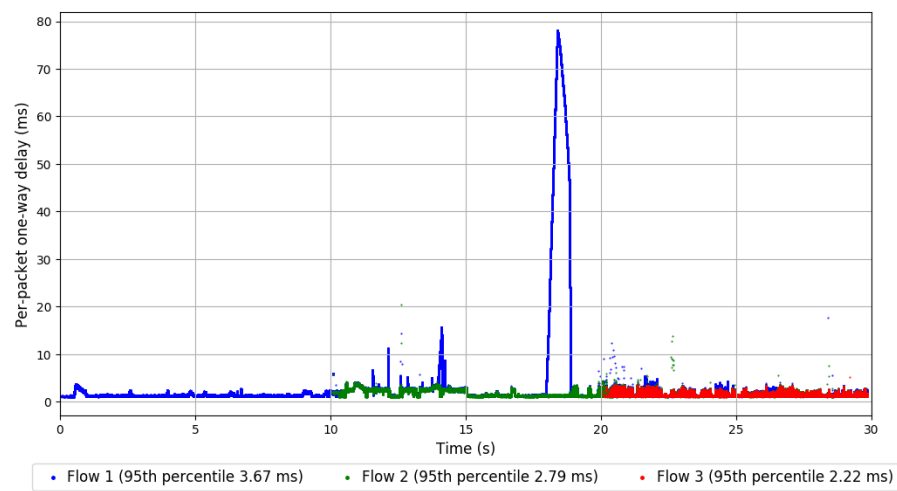
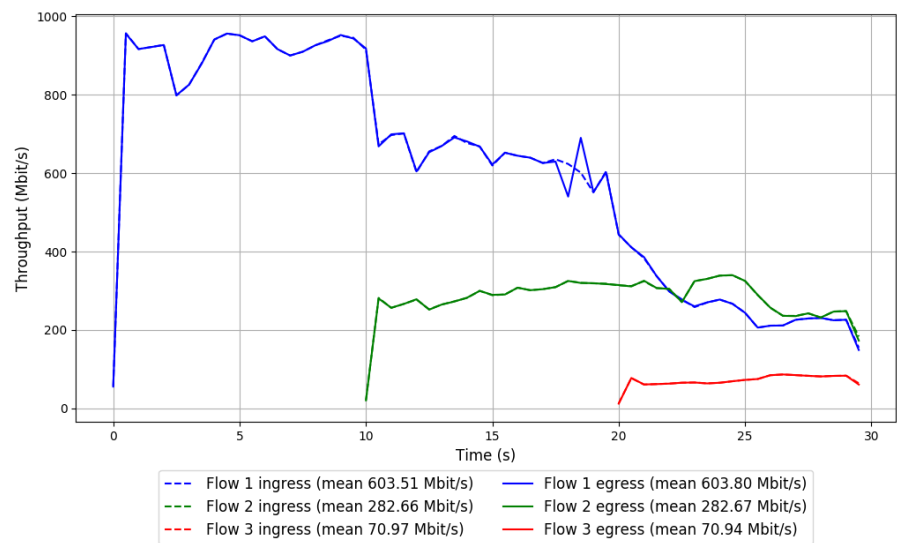


Run 3: Statistics of PCC

Start at: 2018-03-13 15:19:10
End at: 2018-03-13 15:19:40
Local clock offset: 1.898 ms
Remote clock offset: -6.166 ms

Below is generated by plot.py at 2018-03-14 00:53:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 814.71 Mbit/s
95th percentile per-packet one-way delay: 3.317 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 603.80 Mbit/s
95th percentile per-packet one-way delay: 3.666 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 282.67 Mbit/s
95th percentile per-packet one-way delay: 2.789 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 70.94 Mbit/s
95th percentile per-packet one-way delay: 2.219 ms
Loss rate: 0.25%

Run 3: Report of PCC — Data Link

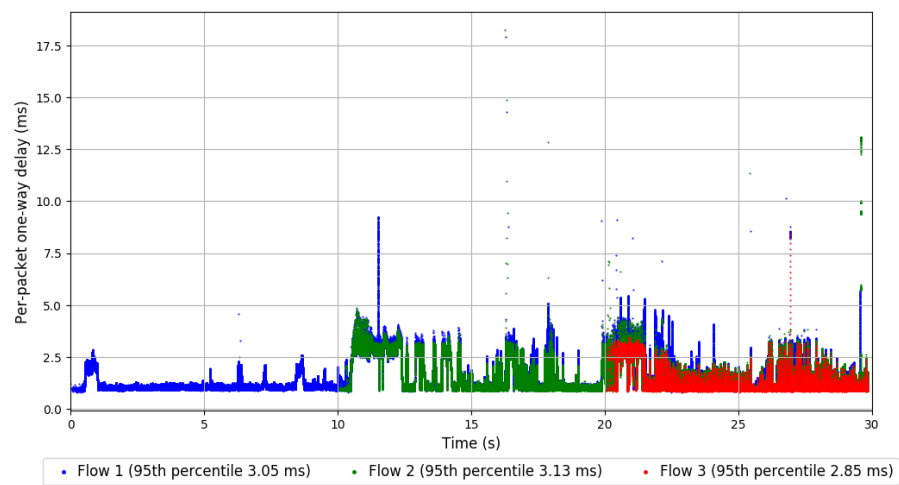
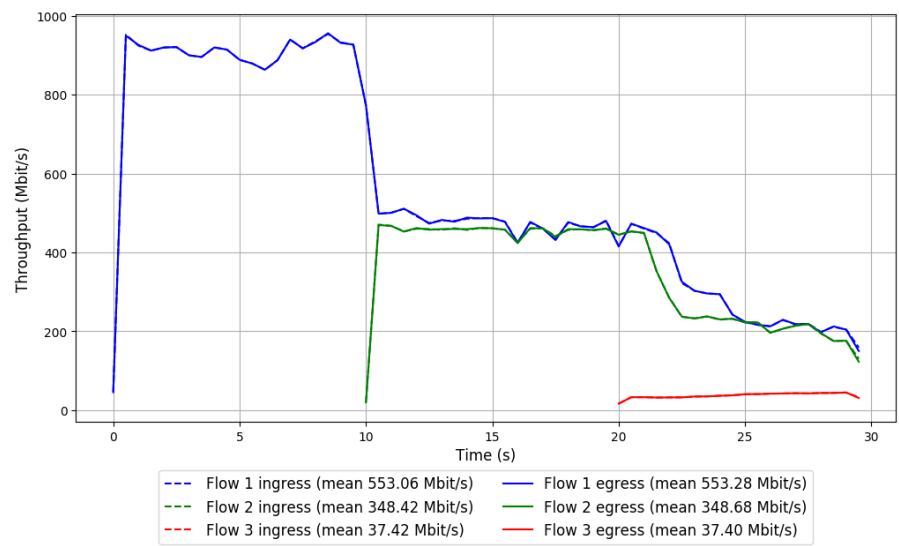


Run 4: Statistics of PCC

Start at: 2018-03-13 15:48:46
End at: 2018-03-13 15:49:16
Local clock offset: 0.254 ms
Remote clock offset: -4.435 ms

Below is generated by plot.py at 2018-03-14 00:53:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 796.95 Mbit/s
95th percentile per-packet one-way delay: 3.078 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 553.28 Mbit/s
95th percentile per-packet one-way delay: 3.054 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 348.68 Mbit/s
95th percentile per-packet one-way delay: 3.126 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 2.848 ms
Loss rate: 0.25%

Run 4: Report of PCC — Data Link

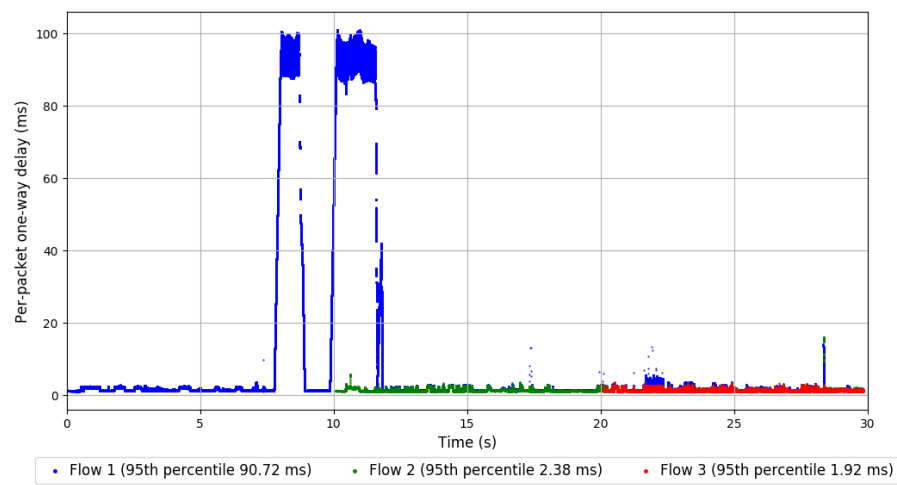
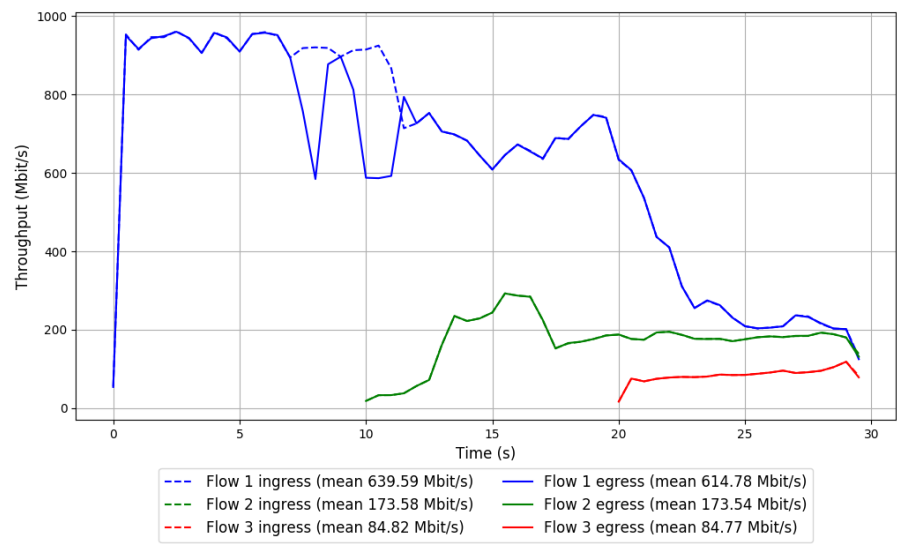


Run 5: Statistics of PCC

Start at: 2018-03-13 16:17:44
End at: 2018-03-13 16:18:14
Local clock offset: -0.278 ms
Remote clock offset: -3.925 ms

Below is generated by plot.py at 2018-03-14 00:55:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 757.89 Mbit/s
95th percentile per-packet one-way delay: 88.946 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 614.78 Mbit/s
95th percentile per-packet one-way delay: 90.724 ms
Loss rate: 3.94%
-- Flow 2:
Average throughput: 173.54 Mbit/s
95th percentile per-packet one-way delay: 2.378 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 84.77 Mbit/s
95th percentile per-packet one-way delay: 1.924 ms
Loss rate: 0.25%

Run 5: Report of PCC — Data Link

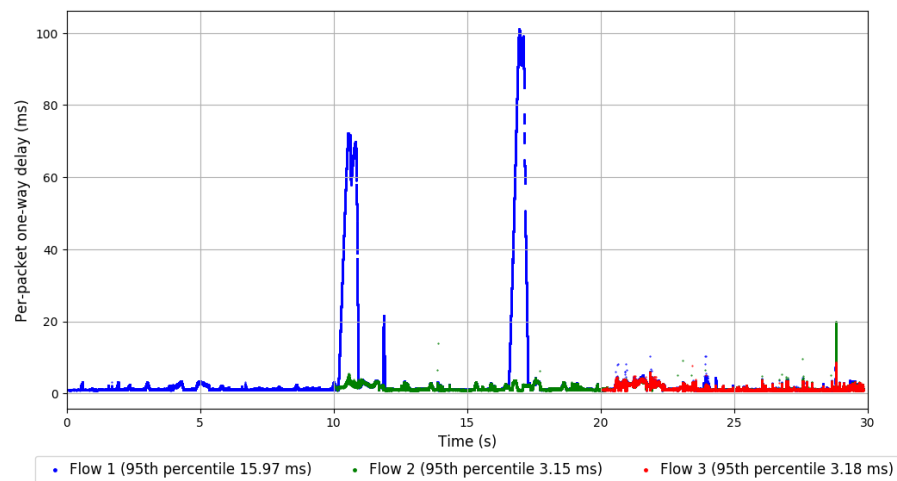
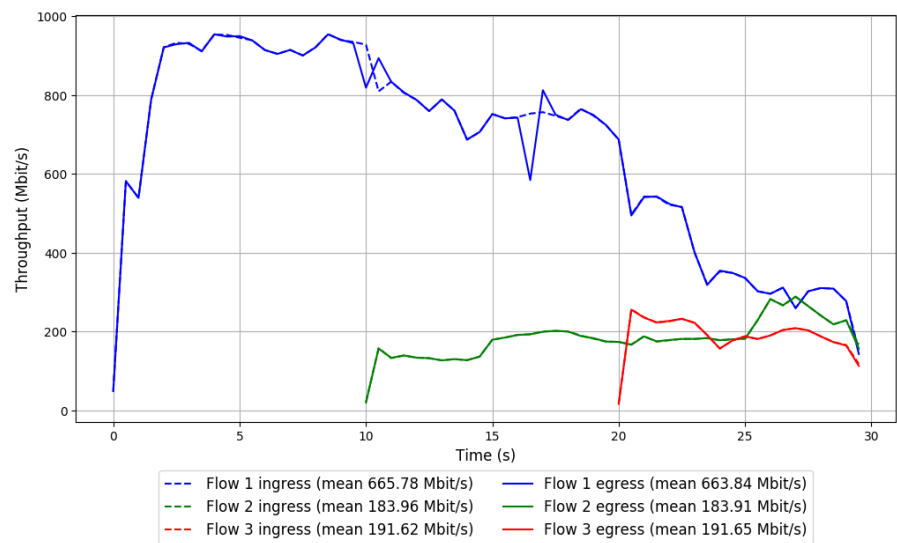


Run 6: Statistics of PCC

Start at: 2018-03-13 16:46:57
End at: 2018-03-13 16:47:27
Local clock offset: -0.954 ms
Remote clock offset: -6.143 ms

Below is generated by plot.py at 2018-03-14 00:57:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 848.91 Mbit/s
95th percentile per-packet one-way delay: 3.895 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 663.84 Mbit/s
95th percentile per-packet one-way delay: 15.971 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 183.91 Mbit/s
95th percentile per-packet one-way delay: 3.151 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 191.65 Mbit/s
95th percentile per-packet one-way delay: 3.177 ms
Loss rate: 0.18%

Run 6: Report of PCC — Data Link

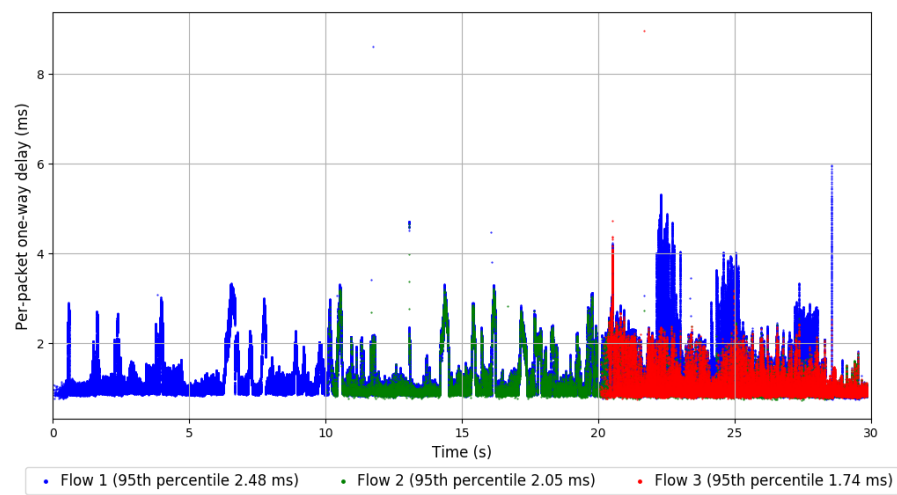
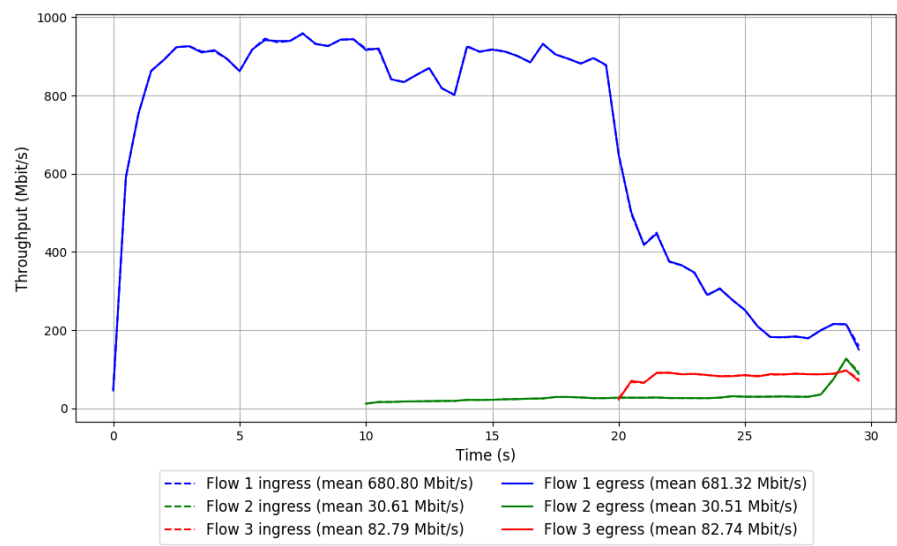


Run 7: Statistics of PCC

Start at: 2018-03-13 17:16:09
End at: 2018-03-13 17:16:39
Local clock offset: 0.946 ms
Remote clock offset: -7.277 ms

Below is generated by plot.py at 2018-03-14 00:57:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 728.76 Mbit/s
95th percentile per-packet one-way delay: 2.460 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 681.32 Mbit/s
95th percentile per-packet one-way delay: 2.485 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 2.046 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 82.74 Mbit/s
95th percentile per-packet one-way delay: 1.735 ms
Loss rate: 0.27%

Run 7: Report of PCC — Data Link

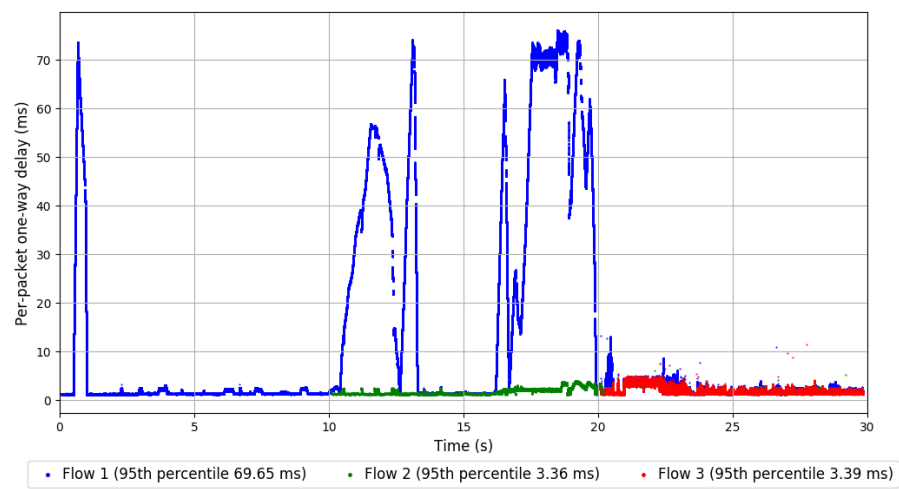
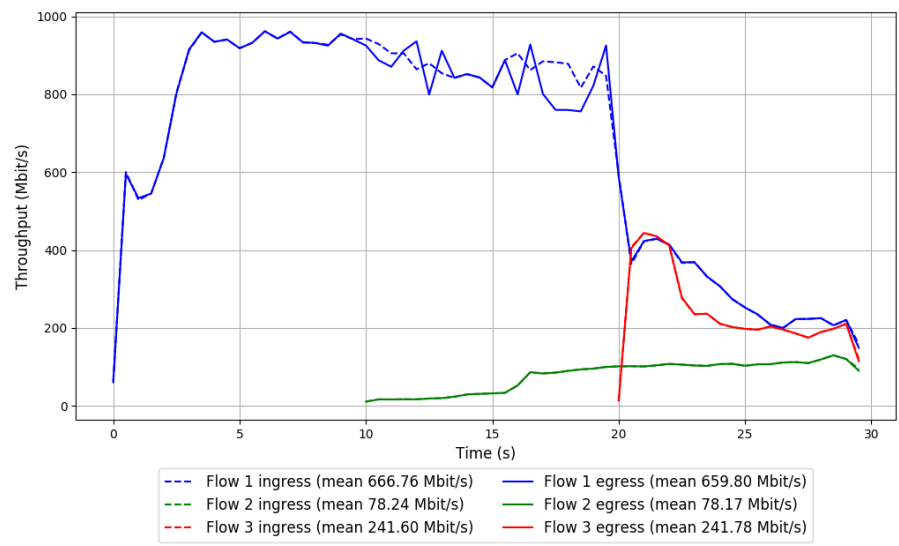


Run 8: Statistics of PCC

Start at: 2018-03-13 17:45:18
End at: 2018-03-13 17:45:48
Local clock offset: 1.086 ms
Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-03-14 00:59:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 791.03 Mbit/s
95th percentile per-packet one-way delay: 68.512 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 659.80 Mbit/s
95th percentile per-packet one-way delay: 69.648 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 3.364 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 241.78 Mbit/s
95th percentile per-packet one-way delay: 3.387 ms
Loss rate: 0.14%

Run 8: Report of PCC — Data Link

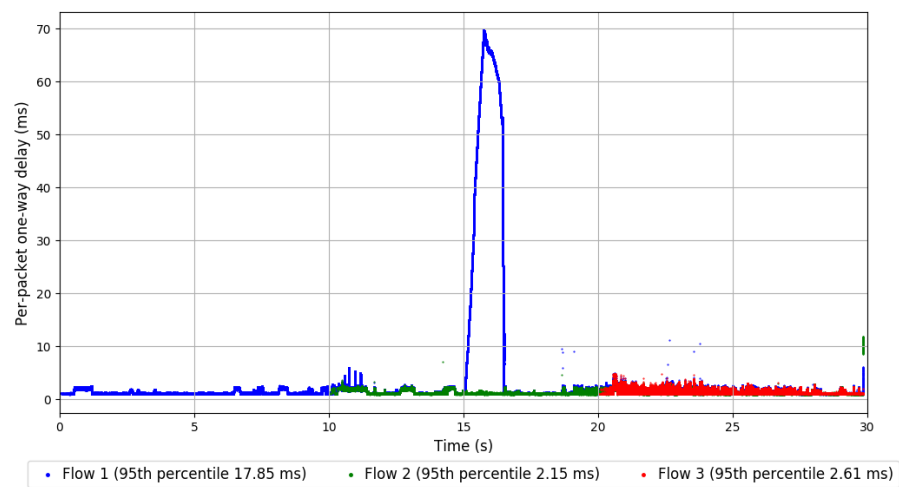
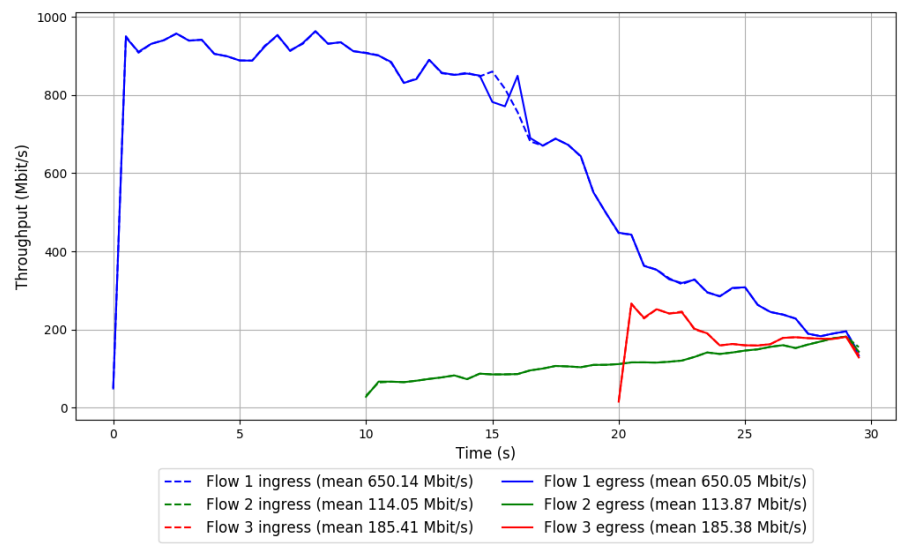


Run 9: Statistics of PCC

Start at: 2018-03-13 18:14:52
End at: 2018-03-13 18:15:22
Local clock offset: 1.067 ms
Remote clock offset: -4.484 ms

Below is generated by plot.py at 2018-03-14 01:00:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 786.56 Mbit/s
95th percentile per-packet one-way delay: 4.030 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 650.05 Mbit/s
95th percentile per-packet one-way delay: 17.848 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 113.87 Mbit/s
95th percentile per-packet one-way delay: 2.146 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 185.38 Mbit/s
95th percentile per-packet one-way delay: 2.607 ms
Loss rate: 0.20%

Run 9: Report of PCC — Data Link

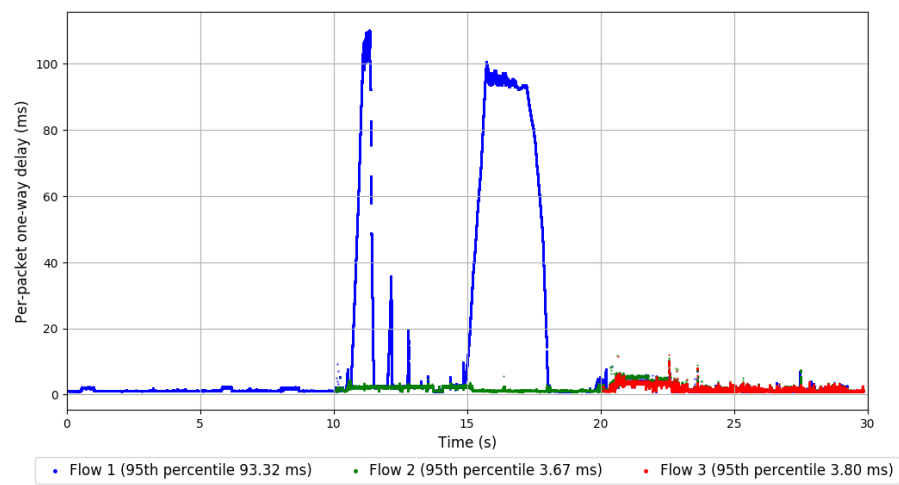
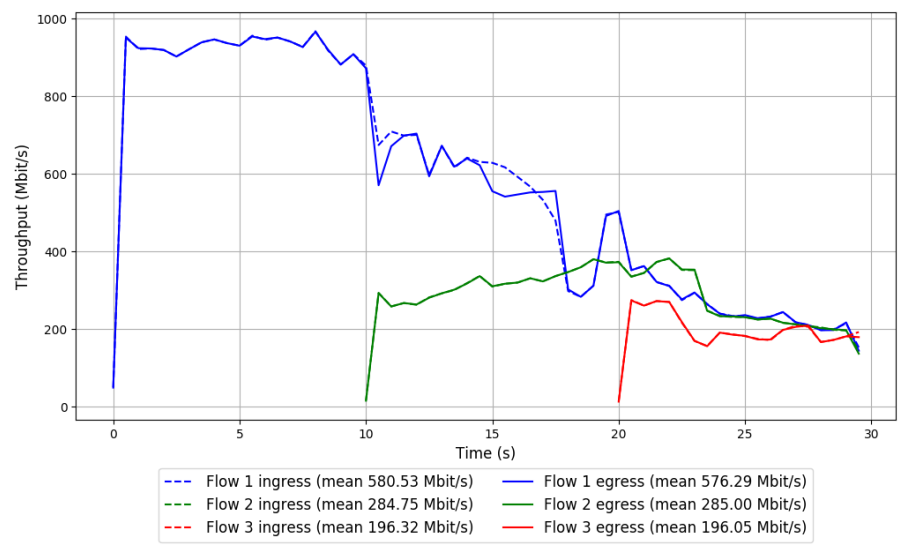


Run 10: Statistics of PCC

Start at: 2018-03-13 18:44:01
End at: 2018-03-13 18:44:31
Local clock offset: 1.206 ms
Remote clock offset: -4.741 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 830.06 Mbit/s
95th percentile per-packet one-way delay: 80.564 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 576.29 Mbit/s
95th percentile per-packet one-way delay: 93.318 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 285.00 Mbit/s
95th percentile per-packet one-way delay: 3.666 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 196.05 Mbit/s
95th percentile per-packet one-way delay: 3.802 ms
Loss rate: 0.35%

Run 10: Report of PCC — Data Link

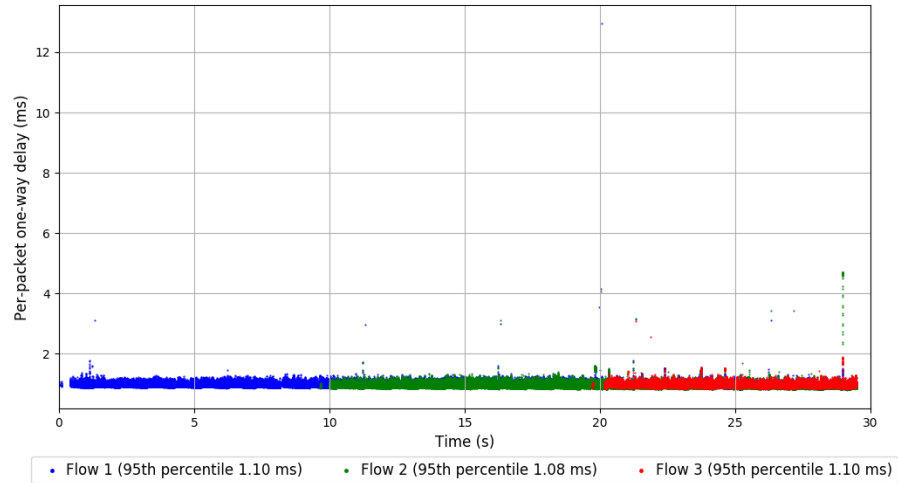
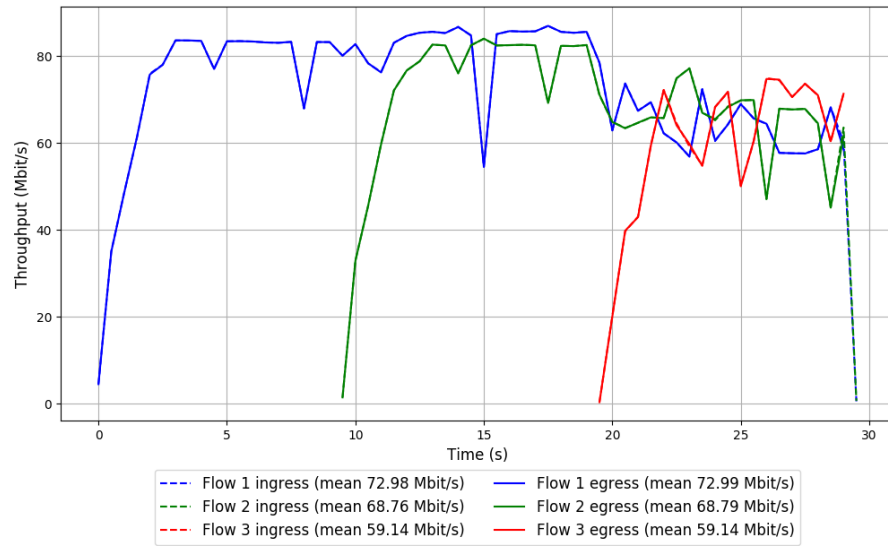


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 14:05:13
End at: 2018-03-13 14:05:43
Local clock offset: 1.122 ms
Remote clock offset: -6.471 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.98 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-13 14:34:28

End at: 2018-03-13 14:34:58

Local clock offset: 2.396 ms

Remote clock offset: -5.99 ms

Below is generated by plot.py at 2018-03-14 01:04:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.66 Mbit/s

95th percentile per-packet one-way delay: 1.191 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 1.174 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 66.82 Mbit/s

95th percentile per-packet one-way delay: 1.208 ms

Loss rate: 0.13%

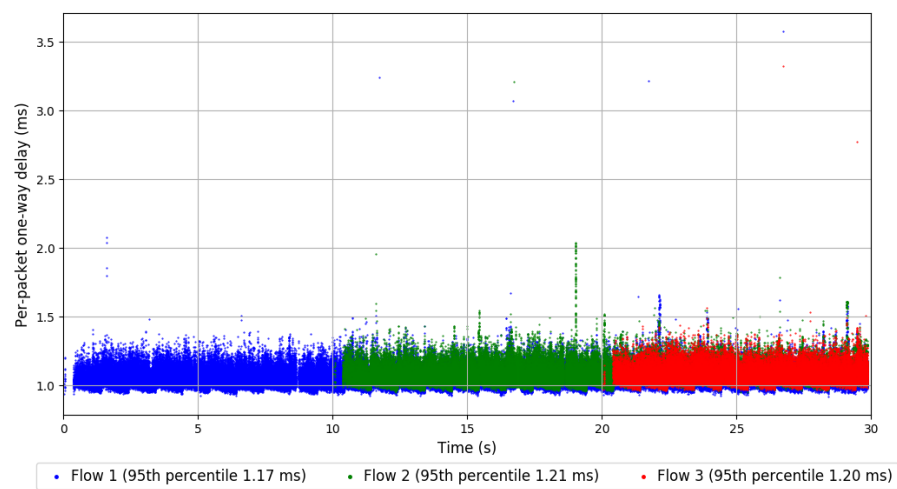
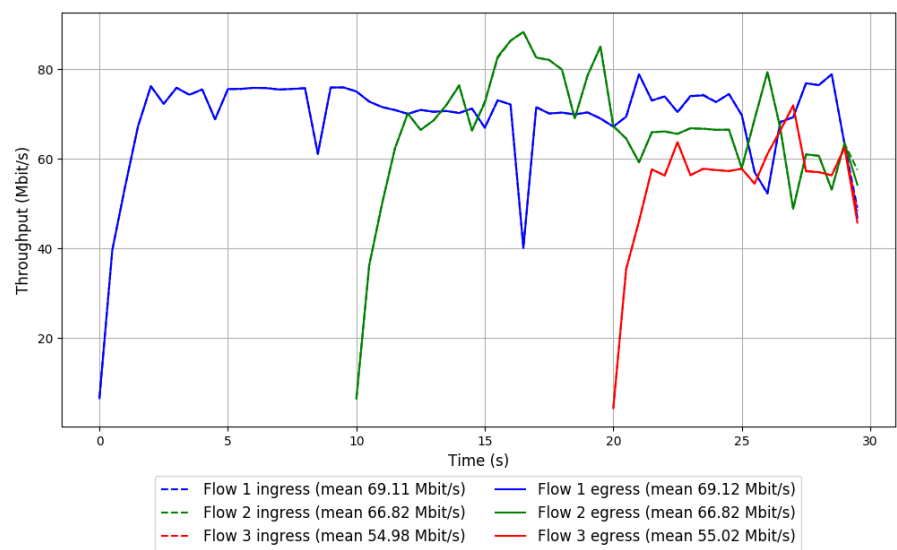
-- Flow 3:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.25%

Run 2: Report of QUIC Cubic — Data Link

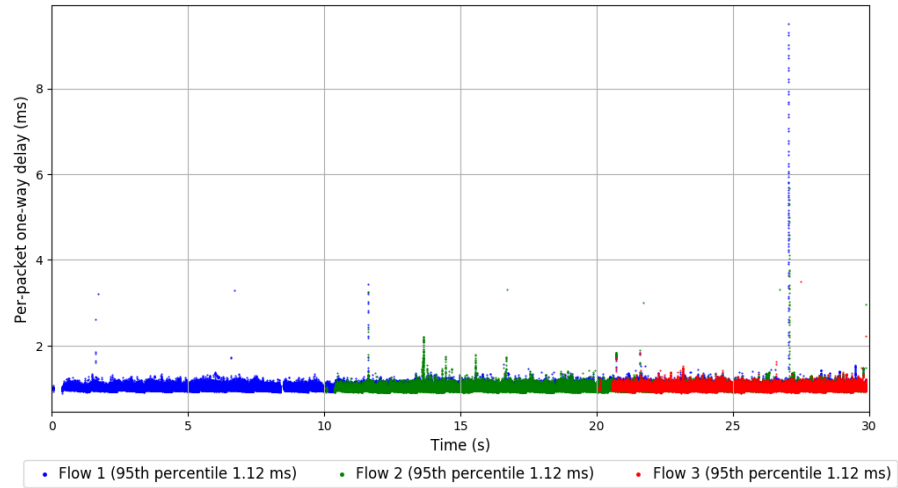
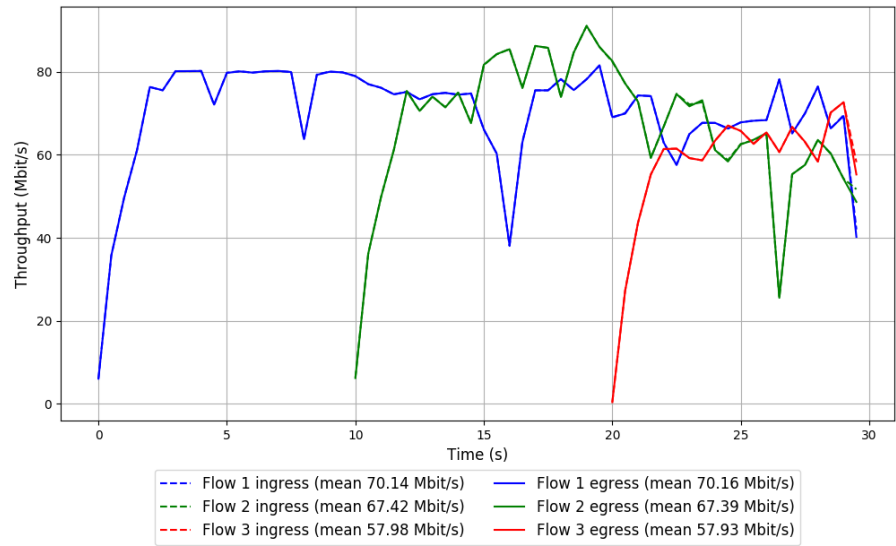


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-13 15:03:56
End at: 2018-03-13 15:04:26
Local clock offset: 2.755 ms
Remote clock offset: -6.093 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.00 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.27%

Run 3: Report of QUIC Cubic — Data Link

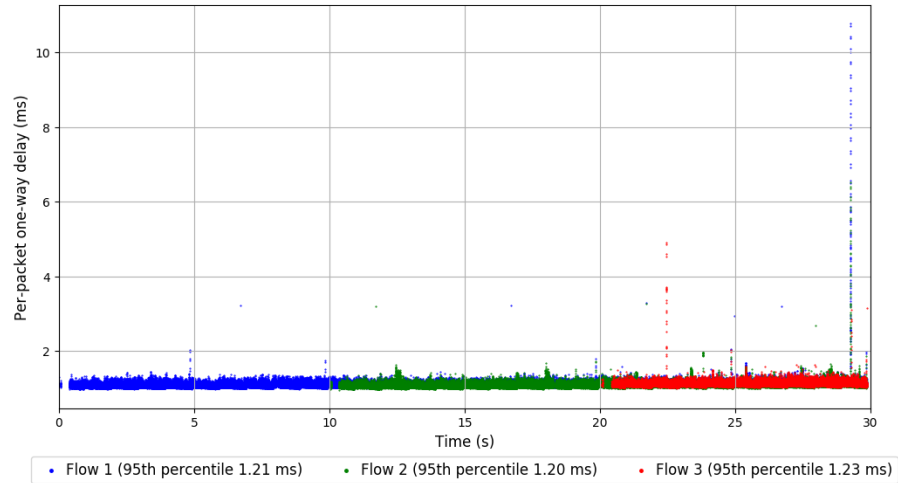
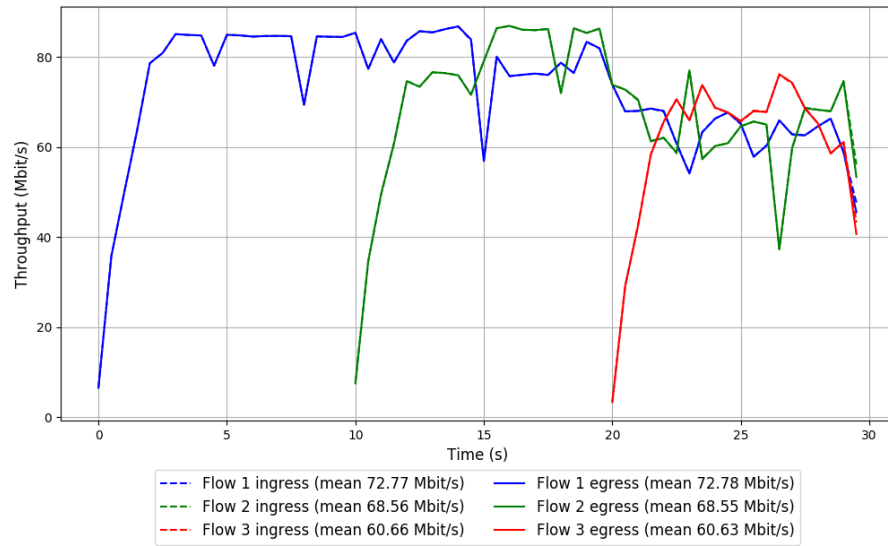


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-13 15:33:32
End at: 2018-03-13 15:34:02
Local clock offset: 0.874 ms
Remote clock offset: -5.034 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.30 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 72.78 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 68.55 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.23%

Run 4: Report of QUIC Cubic — Data Link

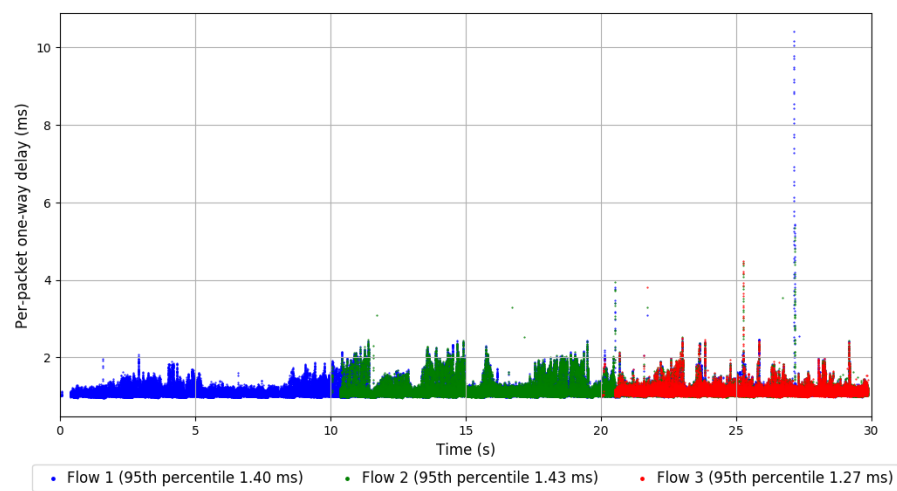
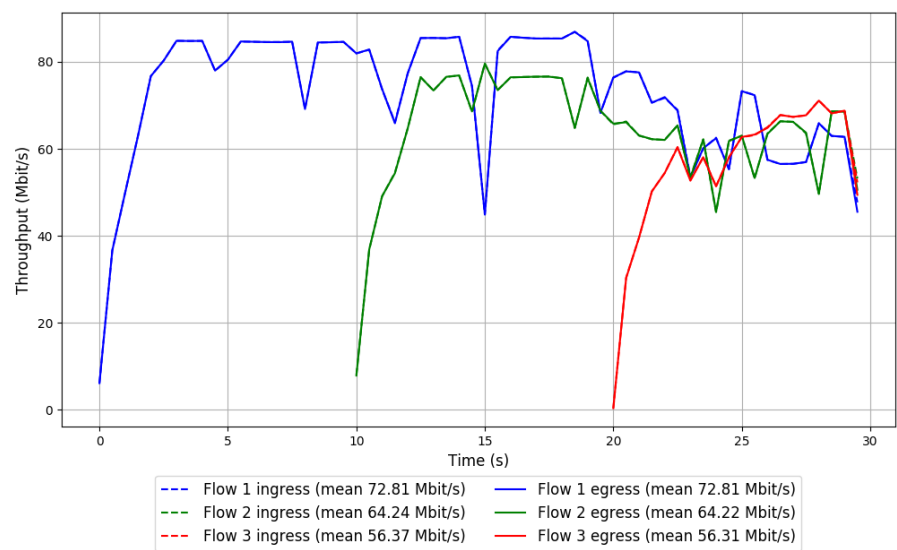


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-13 16:02:48
End at: 2018-03-13 16:03:18
Local clock offset: -0.002 ms
Remote clock offset: -4.192 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.03 Mbit/s
95th percentile per-packet one-way delay: 1.387 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 72.81 Mbit/s
95th percentile per-packet one-way delay: 1.402 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 1.432 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.30%

Run 5: Report of QUIC Cubic — Data Link

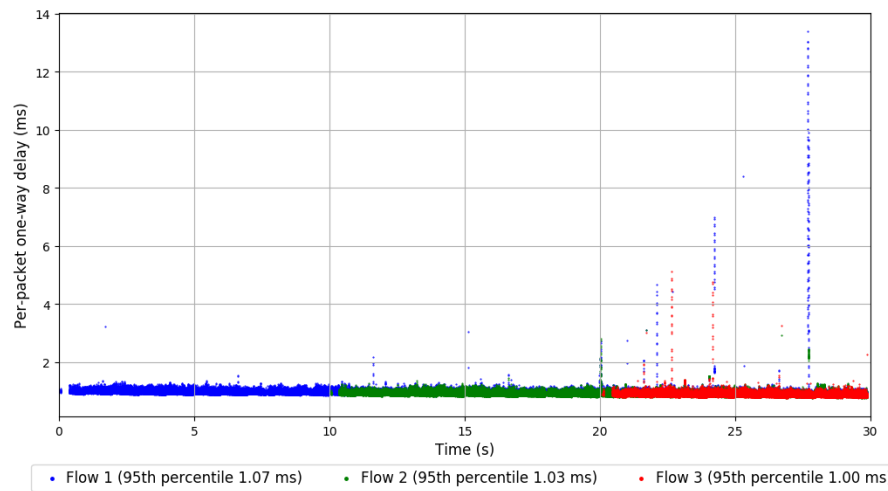
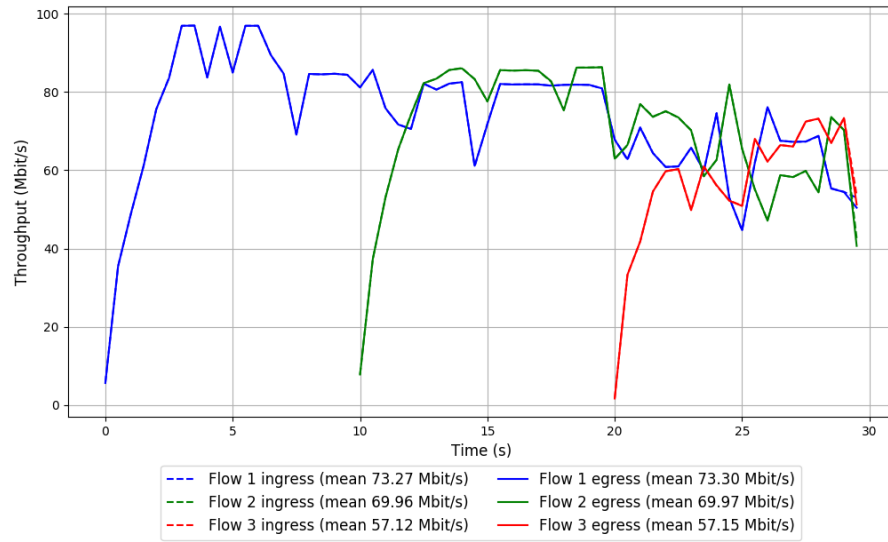


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-13 16:32:07
End at: 2018-03-13 16:32:37
Local clock offset: -0.686 ms
Remote clock offset: -4.059 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.59 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 69.97 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.22%

Run 6: Report of QUIC Cubic — Data Link

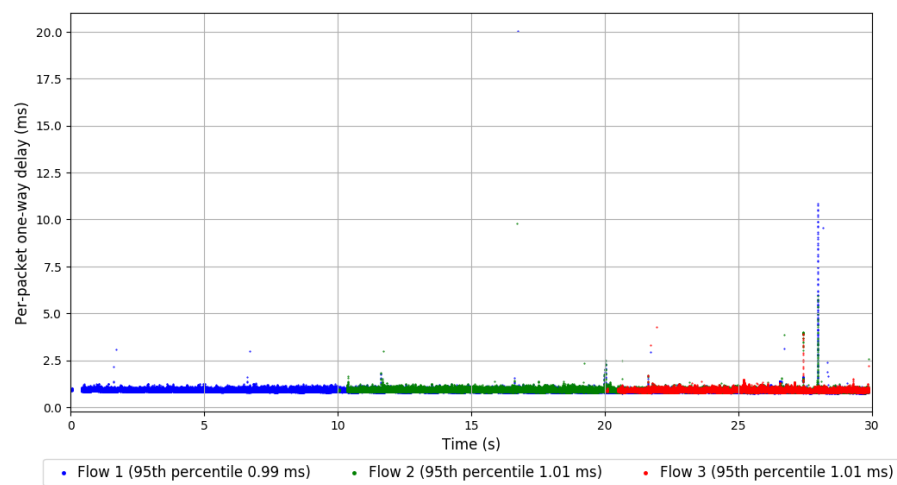
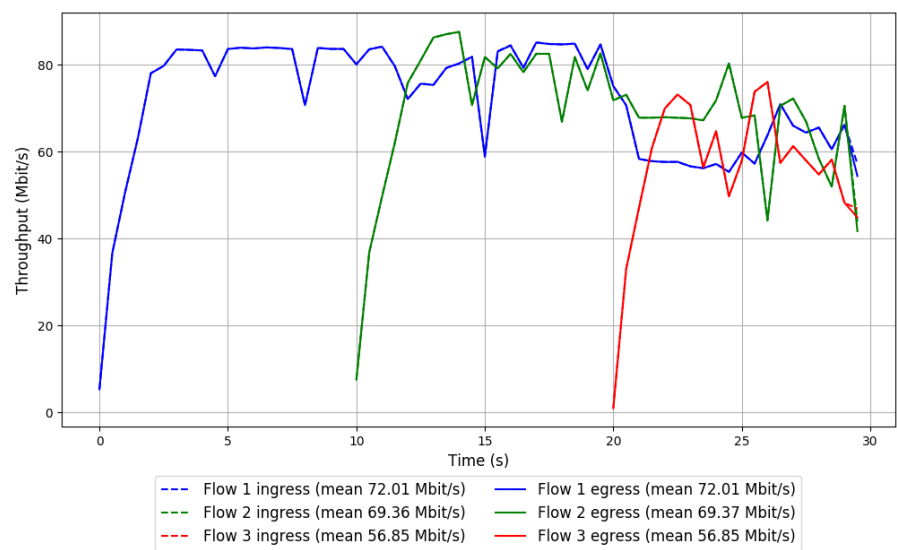


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-13 17:01:13
End at: 2018-03-13 17:01:43
Local clock offset: -0.229 ms
Remote clock offset: -6.918 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.84 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 56.85 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.19%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-13 17:30:08

End at: 2018-03-13 17:30:38

Local clock offset: 1.288 ms

Remote clock offset: -7.75 ms

Below is generated by plot.py at 2018-03-14 01:04:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.50 Mbit/s

95th percentile per-packet one-way delay: 2.158 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 2.159 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 43.38 Mbit/s

95th percentile per-packet one-way delay: 2.174 ms

Loss rate: 0.28%

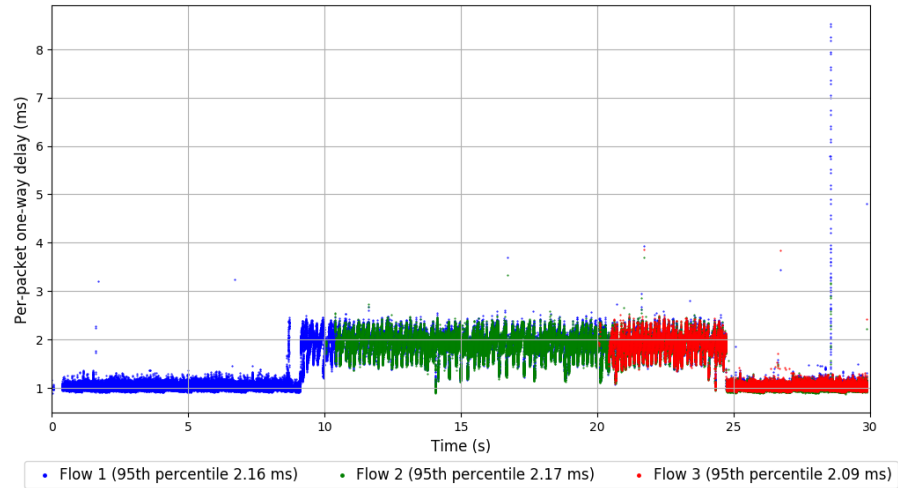
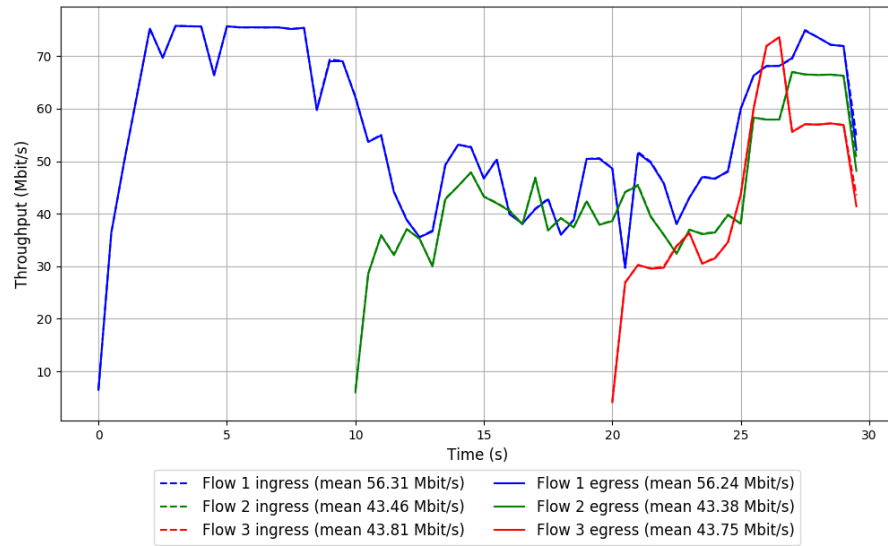
-- Flow 3:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 2.086 ms

Loss rate: 0.32%

Run 8: Report of QUIC Cubic — Data Link

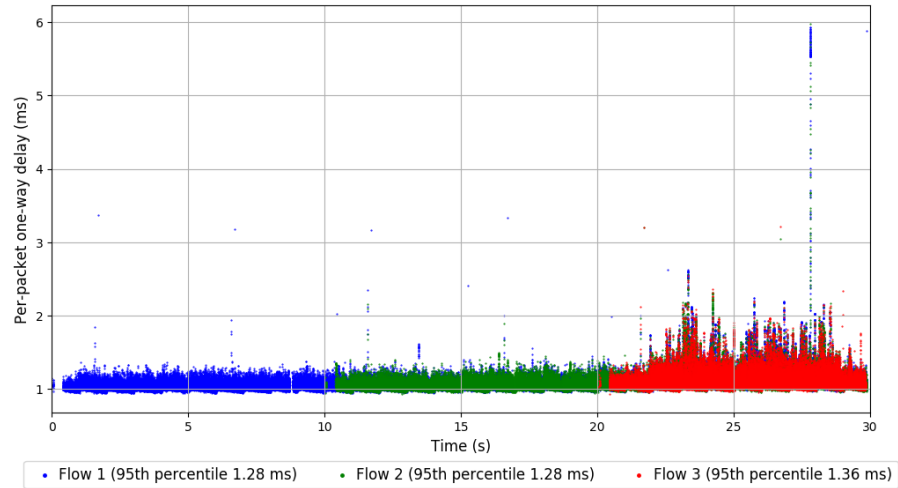
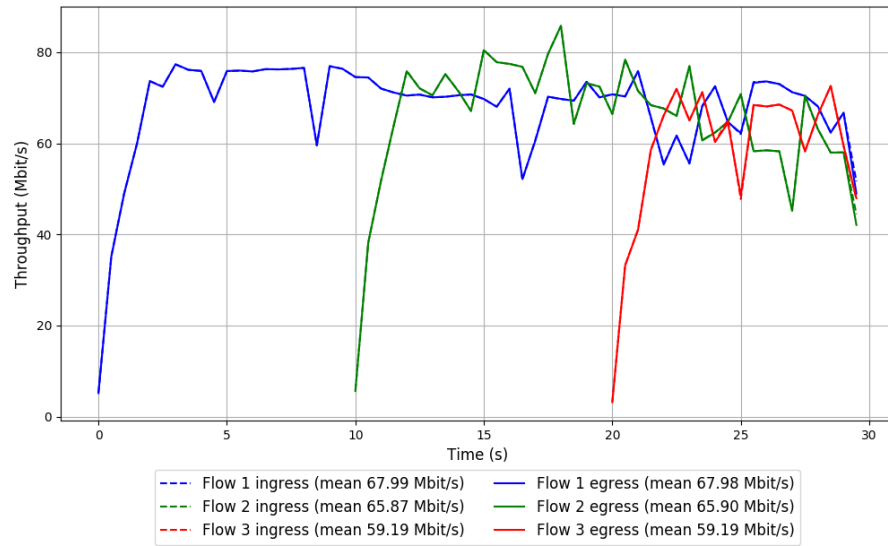


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-13 17:59:31
End at: 2018-03-13 18:00:01
Local clock offset: 1.094 ms
Remote clock offset: -4.912 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 131.20 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 67.98 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 1.362 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-03-13 18:29:01

End at: 2018-03-13 18:29:31

Local clock offset: 1.093 ms

Remote clock offset: -4.9 ms

Below is generated by plot.py at 2018-03-14 01:04:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.05 Mbit/s

95th percentile per-packet one-way delay: 1.175 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 1.175 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 63.55 Mbit/s

95th percentile per-packet one-way delay: 1.177 ms

Loss rate: 0.08%

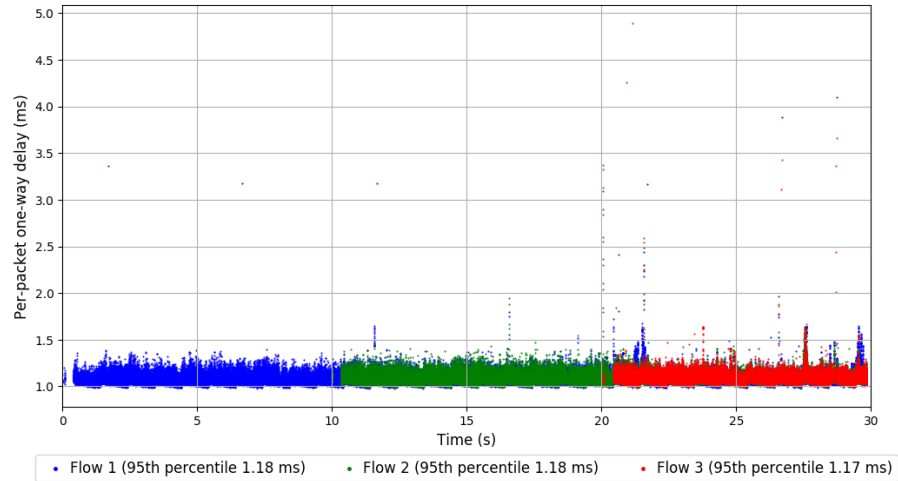
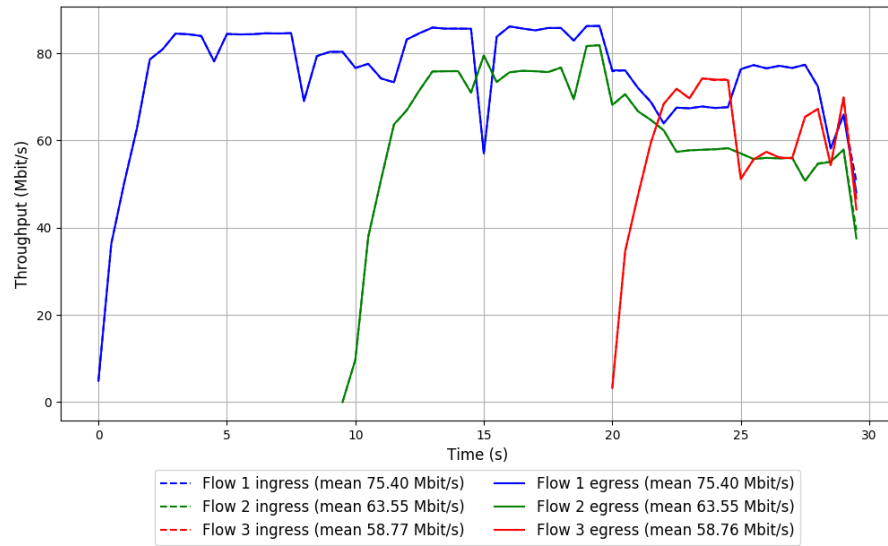
-- Flow 3:

Average throughput: 58.76 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.21%

Run 10: Report of QUIC Cubic — Data Link

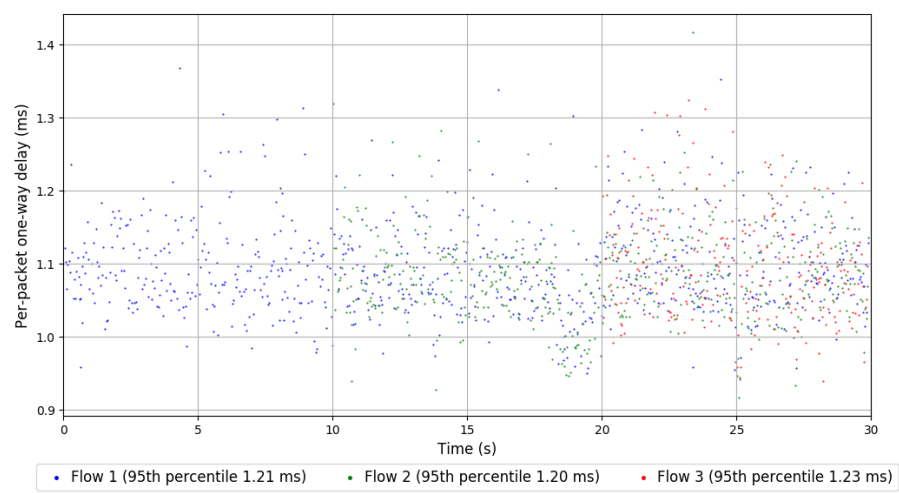
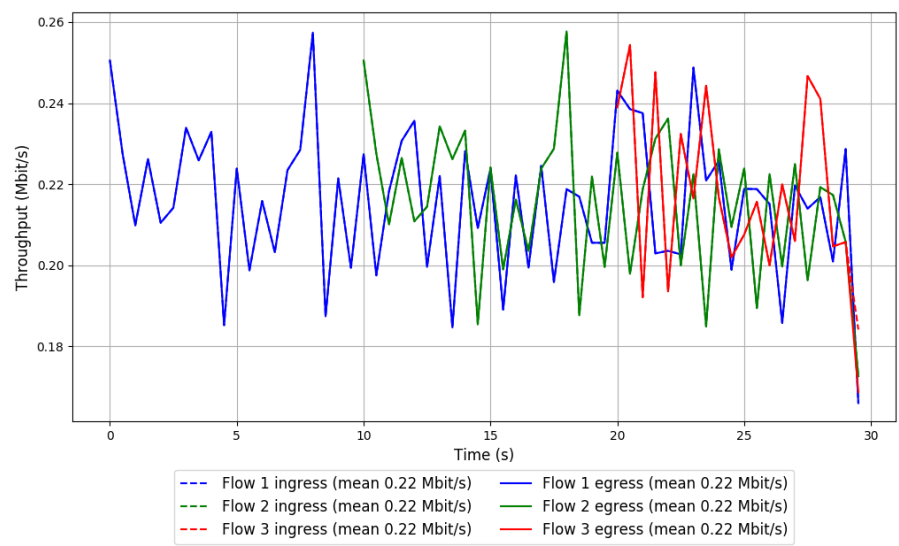


```
Run 1: Statistics of SReAM

Start at: 2018-03-13 14:21:47
End at: 2018-03-13 14:22:17
Local clock offset: 2.134 ms
Remote clock offset: -6.154 ms

# Below is generated by plot.py at 2018-03-14 01:04:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

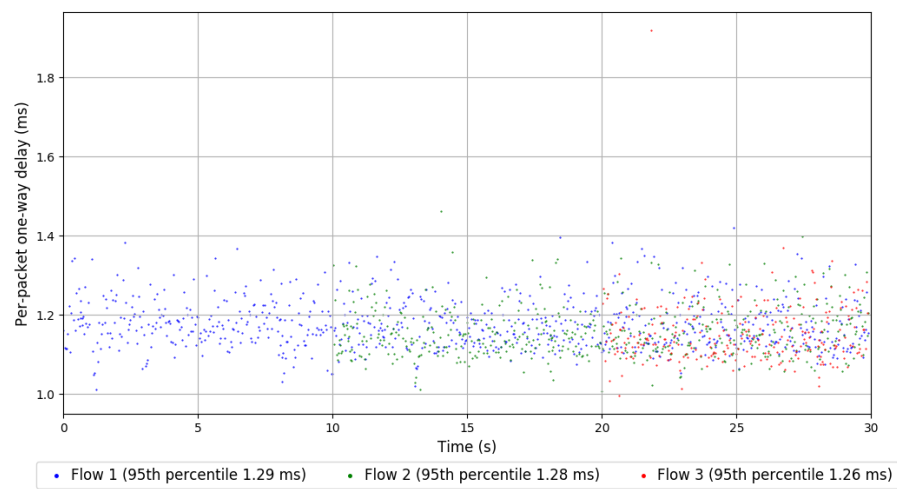
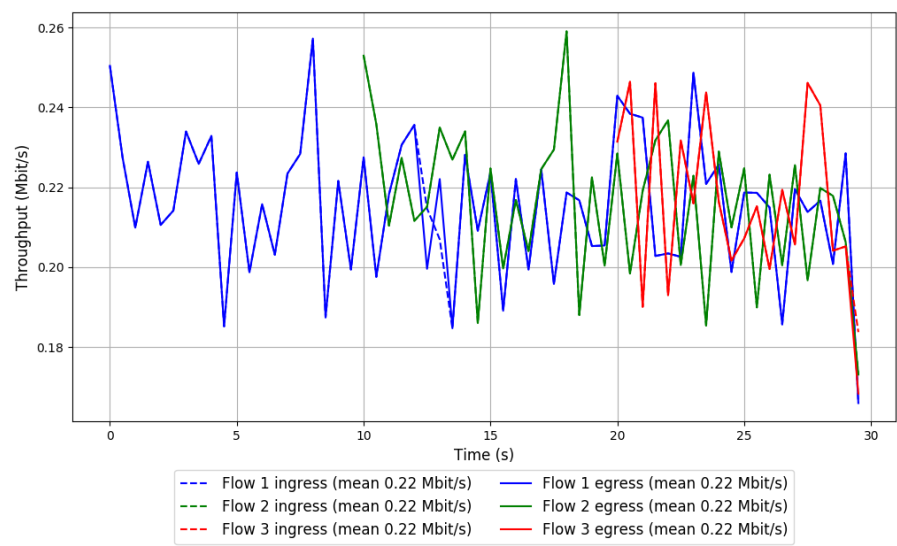


Run 2: Statistics of SReAM

Start at: 2018-03-13 14:51:10
End at: 2018-03-13 14:51:40
Local clock offset: 2.626 ms
Remote clock offset: -5.901 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

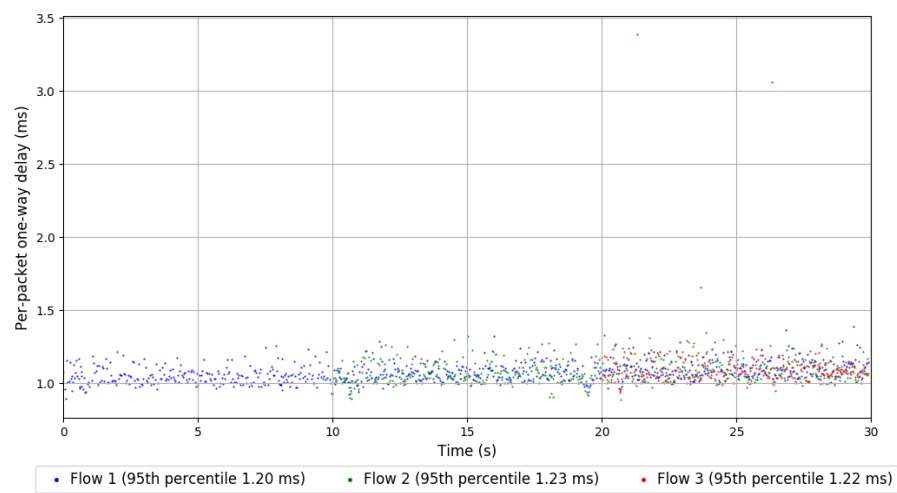
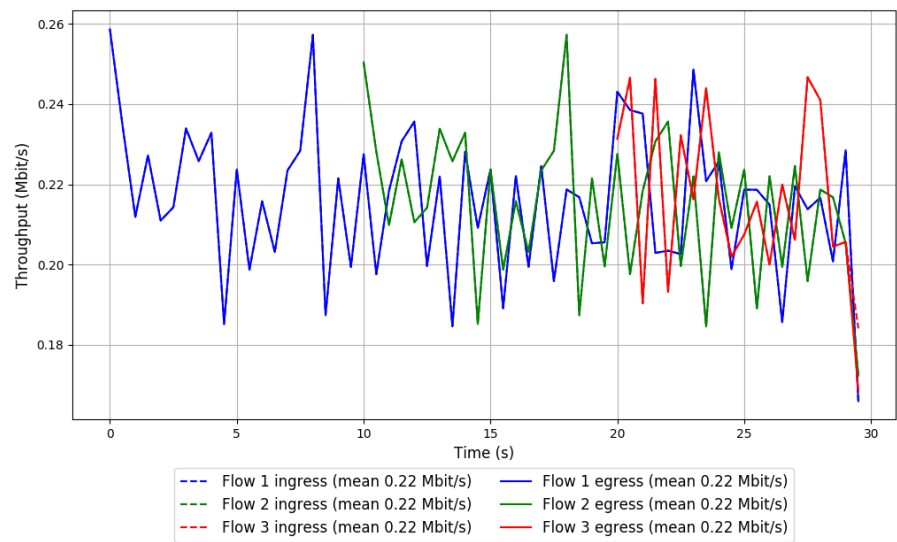


Run 3: Statistics of SReAM

Start at: 2018-03-13 15:20:52
End at: 2018-03-13 15:21:22
Local clock offset: 1.638 ms
Remote clock offset: -6.054 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

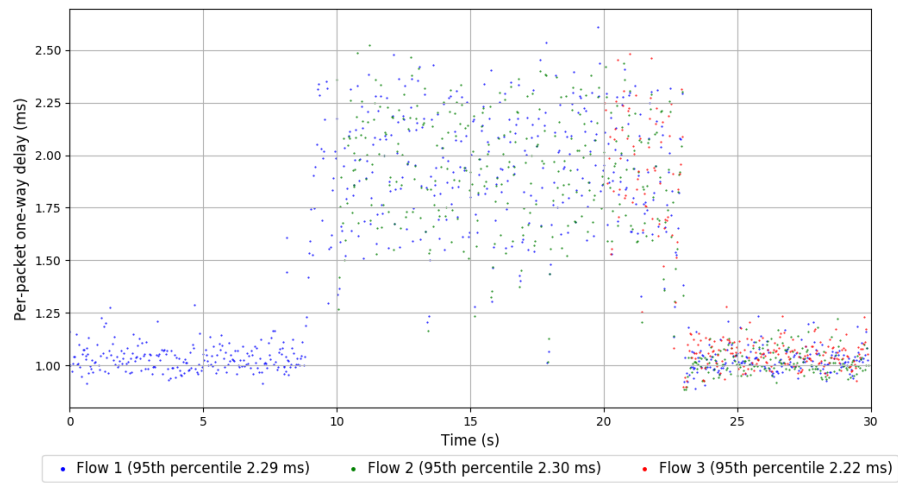
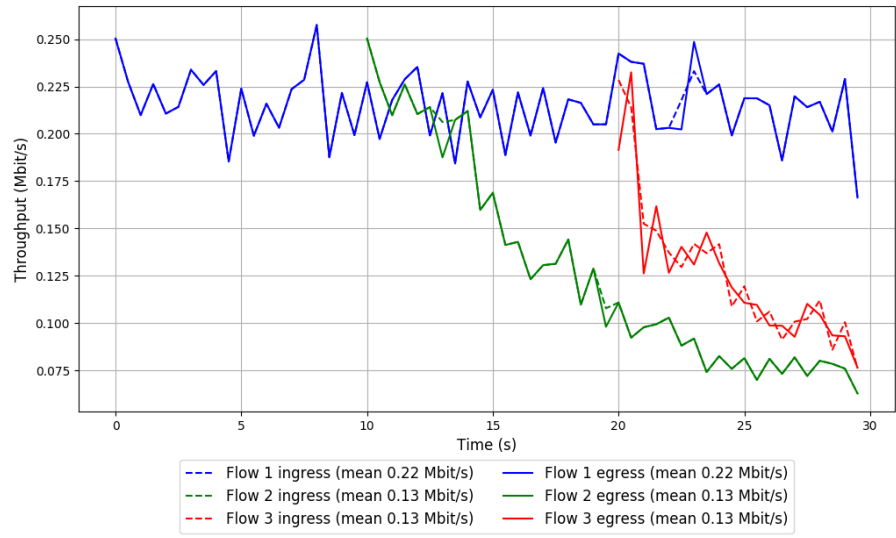


Run 4: Statistics of SCReAM

Start at: 2018-03-13 15:50:19
End at: 2018-03-13 15:50:49
Local clock offset: 0.198 ms
Remote clock offset: -4.418 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 2.285 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.285 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 2.223 ms
Loss rate: 1.53%

Run 4: Report of SReAM — Data Link

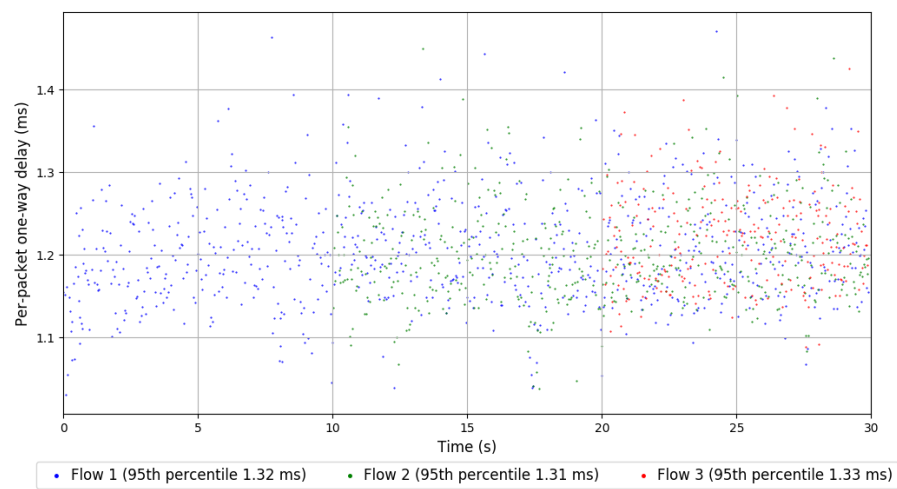
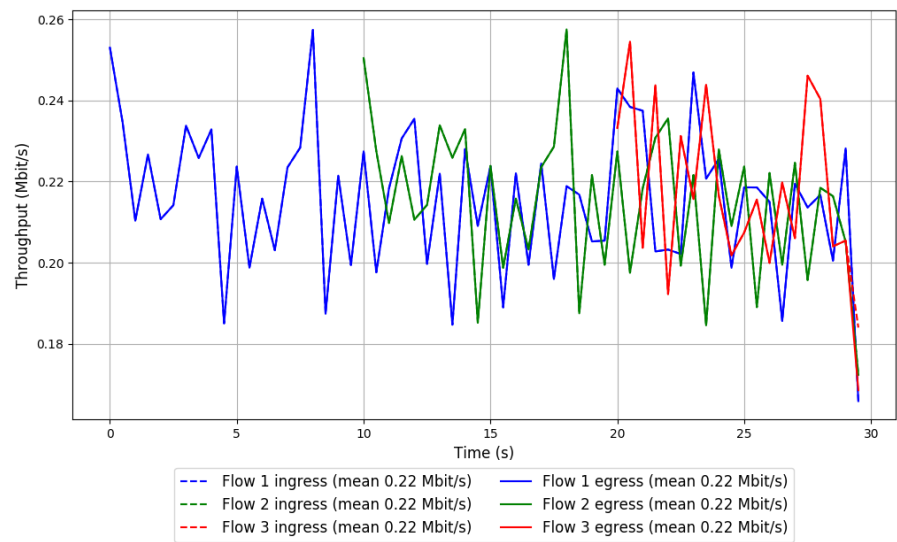


Run 5: Statistics of SReAM

Start at: 2018-03-13 16:19:24
End at: 2018-03-13 16:19:54
Local clock offset: -0.348 ms
Remote clock offset: -3.878 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

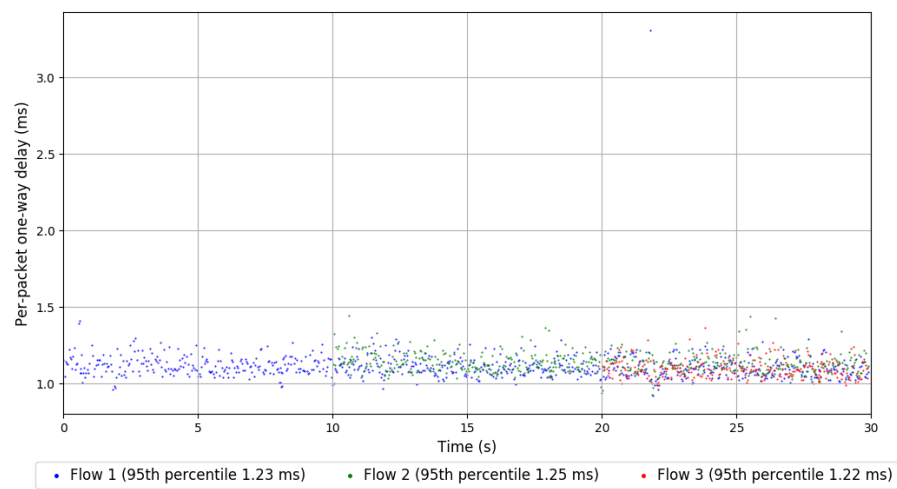
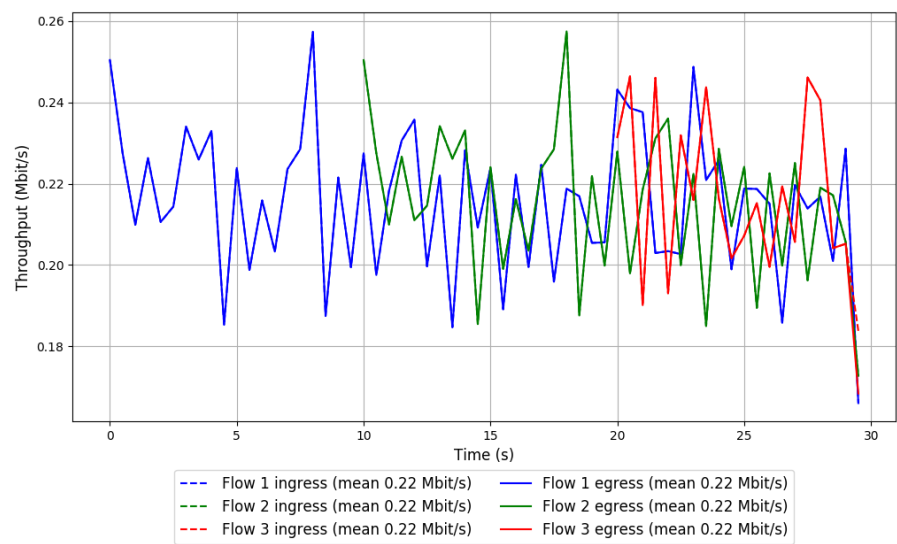


Run 6: Statistics of SReAM

Start at: 2018-03-13 16:48:39
End at: 2018-03-13 16:49:09
Local clock offset: -0.902 ms
Remote clock offset: -6.232 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

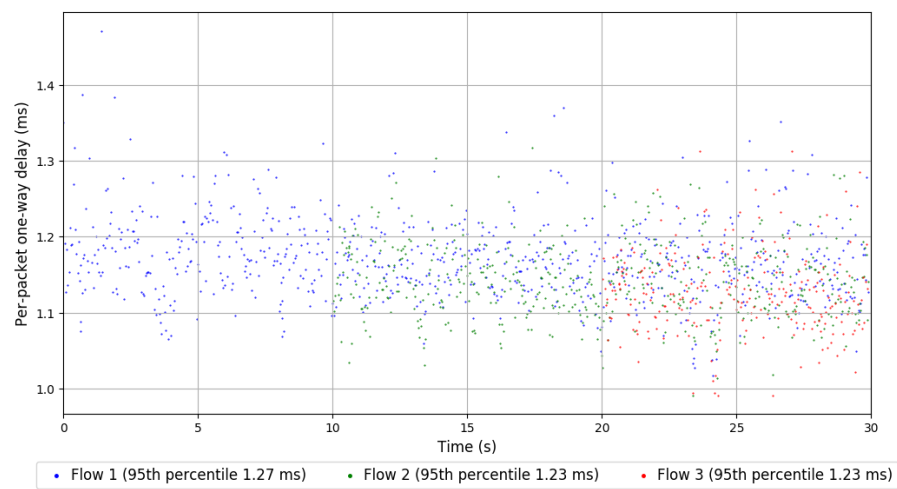
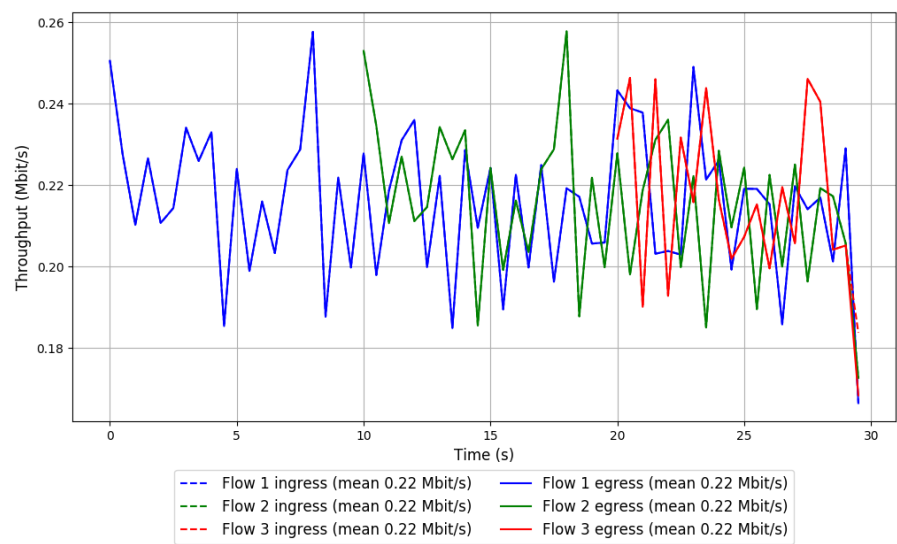


Run 7: Statistics of SReAM

Start at: 2018-03-13 17:17:47
End at: 2018-03-13 17:18:17
Local clock offset: 1.105 ms
Remote clock offset: -7.391 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-03-13 17:46:59

End at: 2018-03-13 17:47:29

Local clock offset: 1.009 ms

Remote clock offset: -6.02 ms

Below is generated by plot.py at 2018-03-14 01:04:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.00%

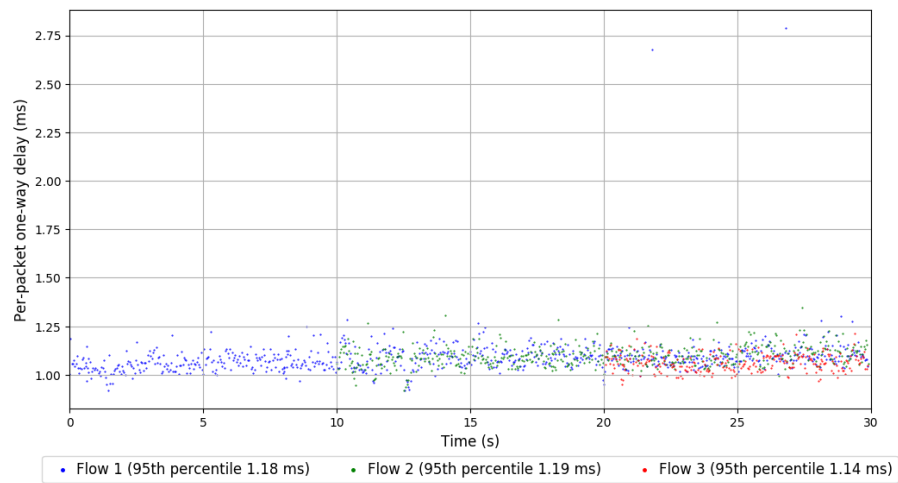
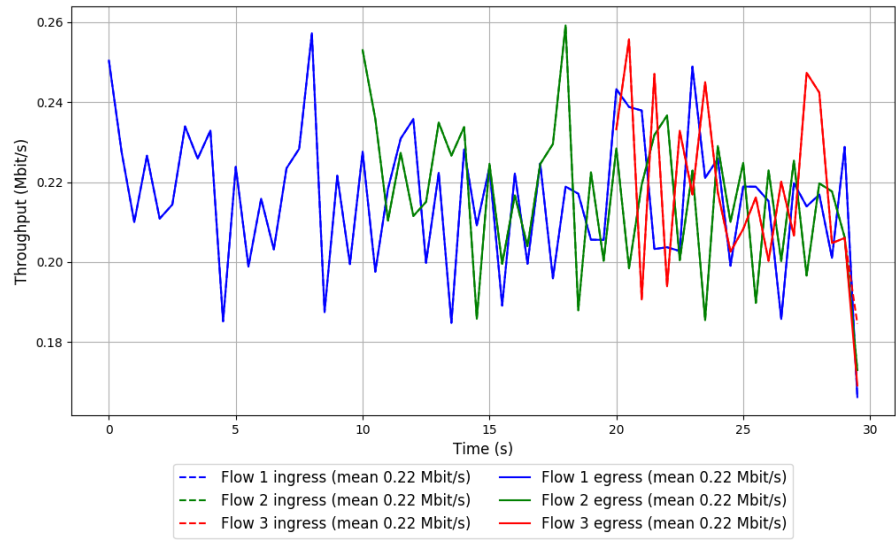
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.138 ms

Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

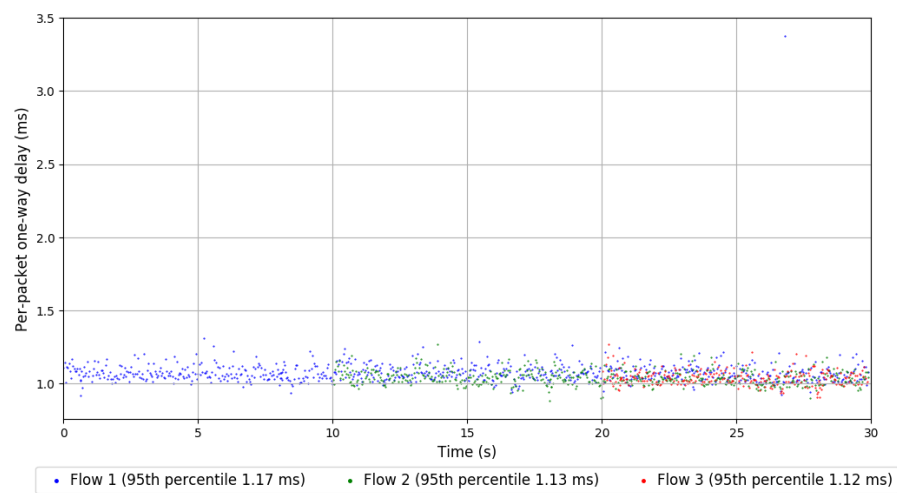
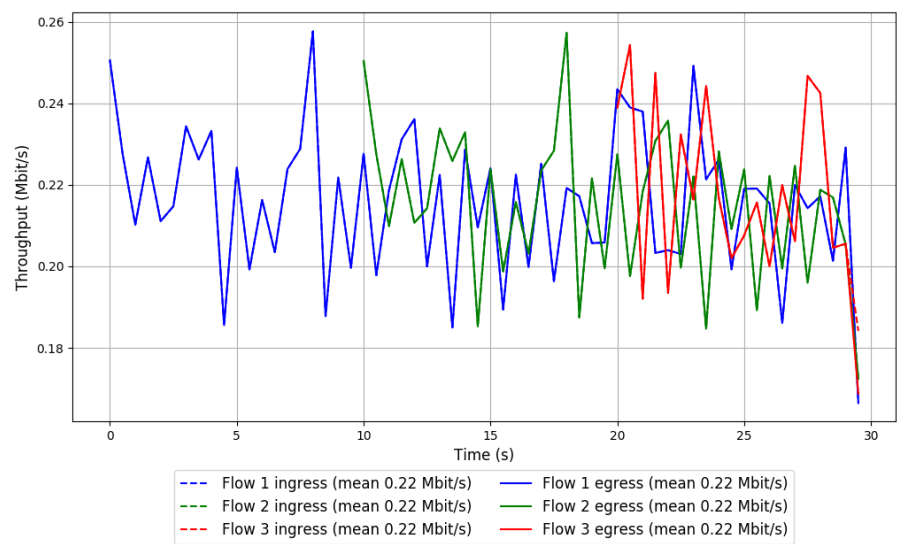


Run 9: Statistics of SReAM

Start at: 2018-03-13 18:16:33
End at: 2018-03-13 18:17:03
Local clock offset: 1.062 ms
Remote clock offset: -4.485 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.35%

Run 9: Report of SCRaM — Data Link

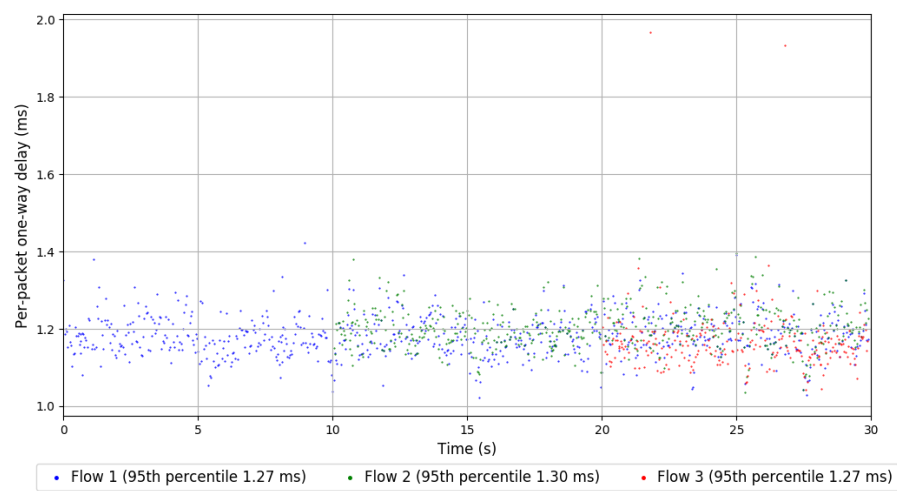
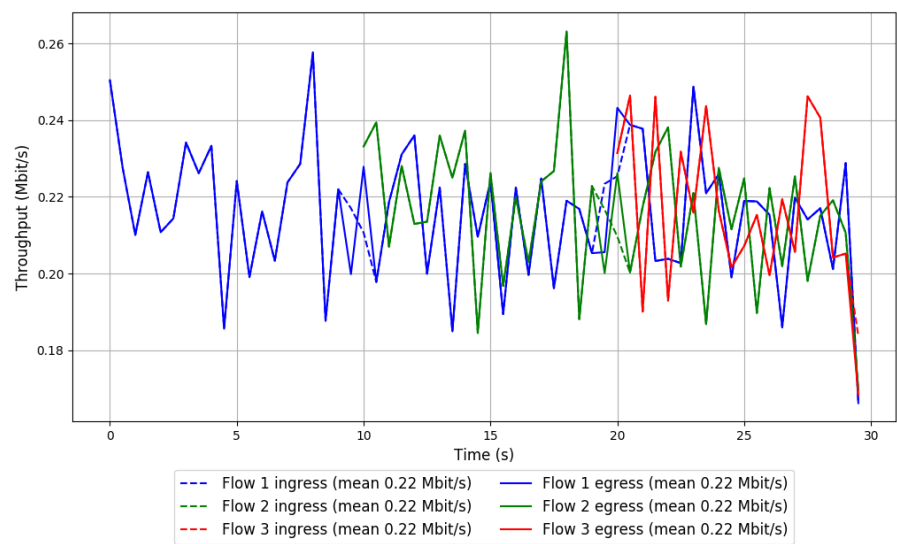


Run 10: Statistics of SReAM

Start at: 2018-03-13 18:45:44
End at: 2018-03-13 18:46:14
Local clock offset: 1.205 ms
Remote clock offset: -4.772 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.268 ms
Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

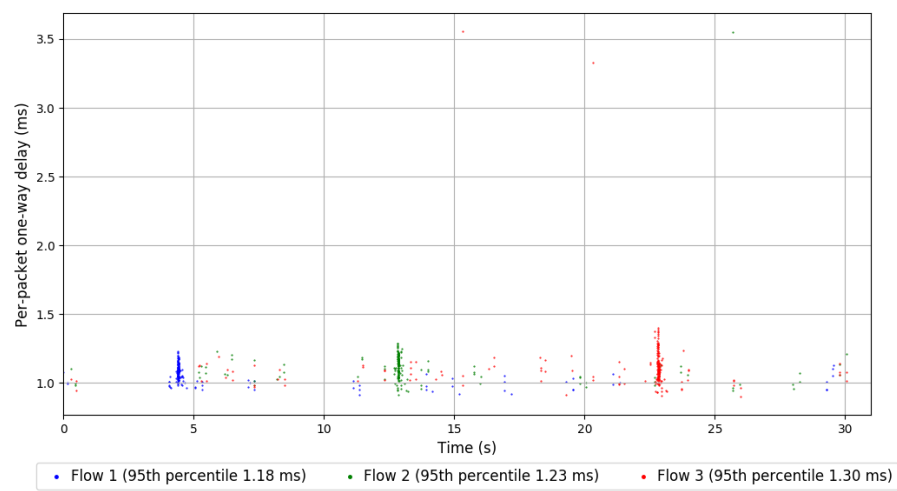
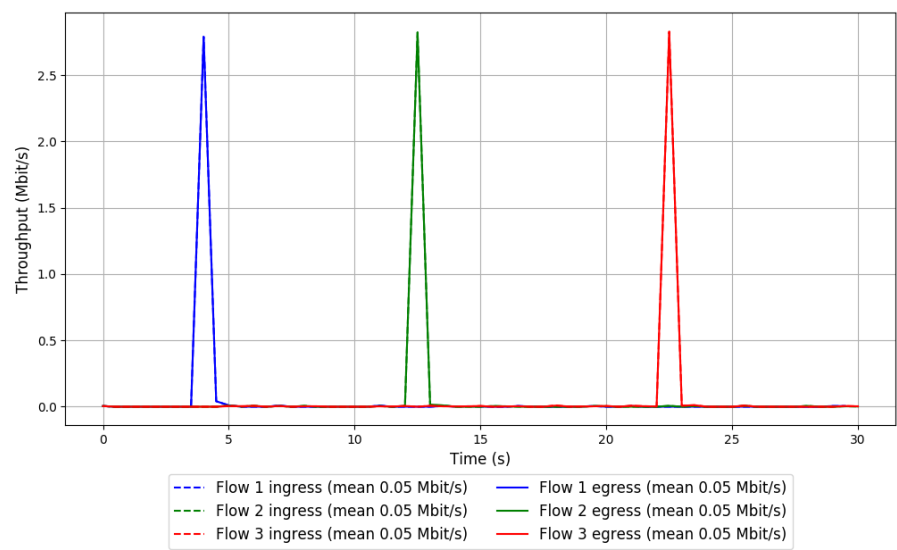


Run 1: Statistics of WebRTC media

Start at: 2018-03-13 14:28:02
End at: 2018-03-13 14:28:32
Local clock offset: 2.221 ms
Remote clock offset: -6.138 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

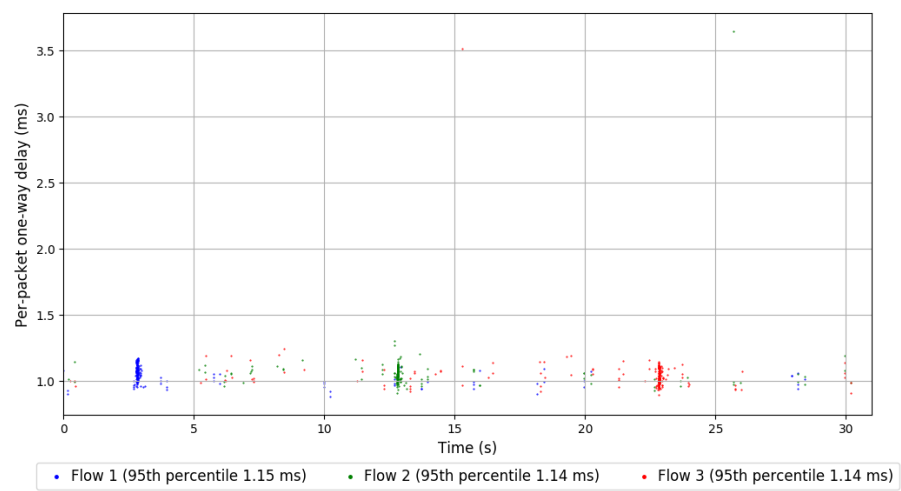
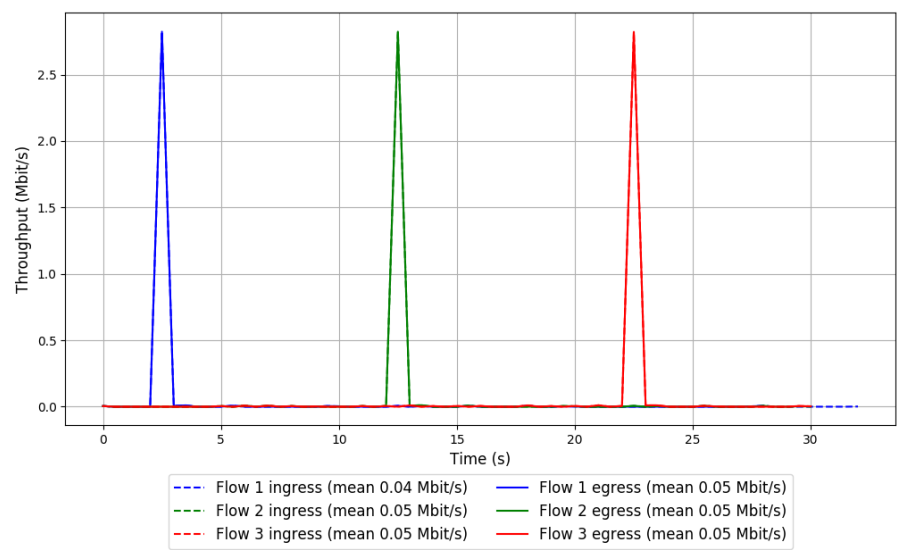


Run 2: Statistics of WebRTC media

Start at: 2018-03-13 14:57:19
End at: 2018-03-13 14:57:49
Local clock offset: 2.709 ms
Remote clock offset: -5.995 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

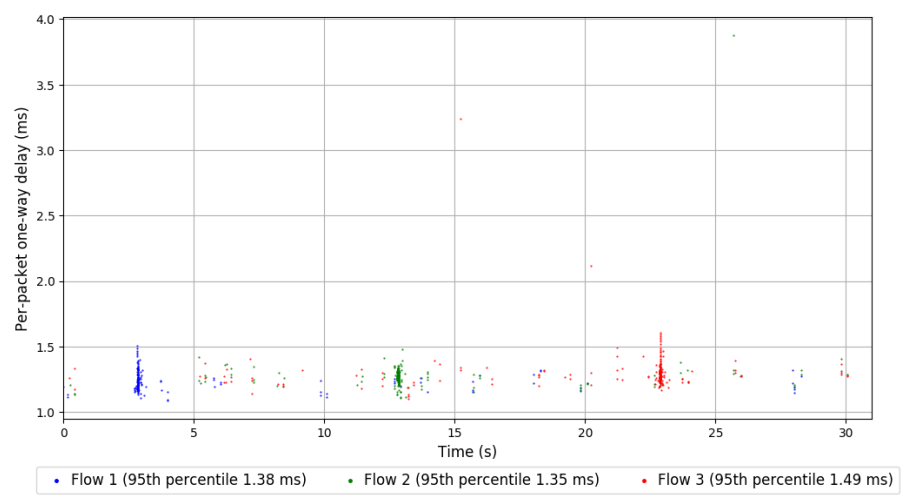
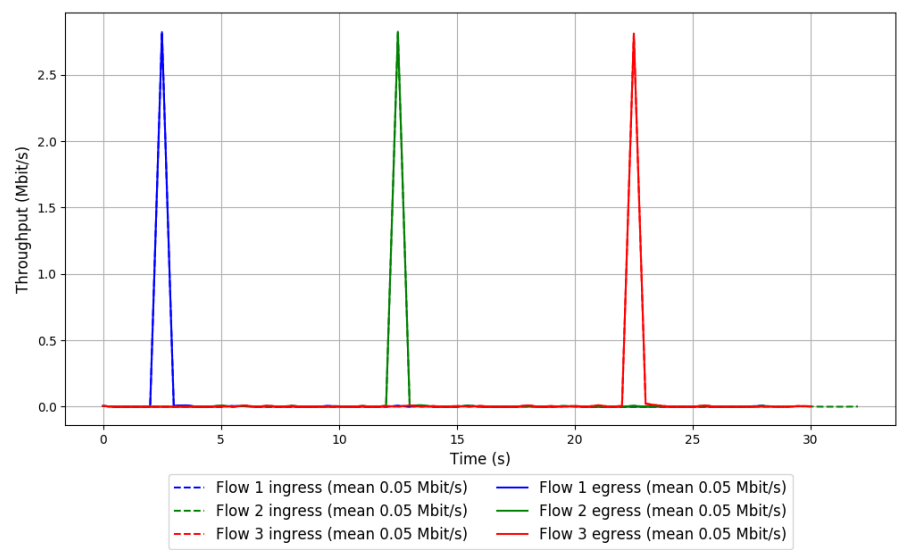


Run 3: Statistics of WebRTC media

Start at: 2018-03-13 15:27:01
End at: 2018-03-13 15:27:31
Local clock offset: 1.23 ms
Remote clock offset: -5.629 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.419 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.383 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.488 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-13 15:56:25

End at: 2018-03-13 15:56:55

Local clock offset: 0.049 ms

Remote clock offset: -4.37 ms

Below is generated by plot.py at 2018-03-14 01:04:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.187 ms

Loss rate: 0.00%

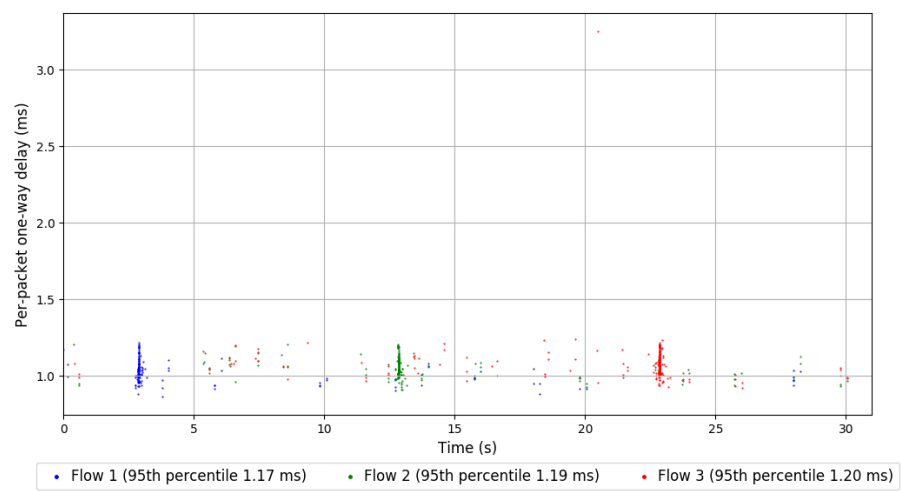
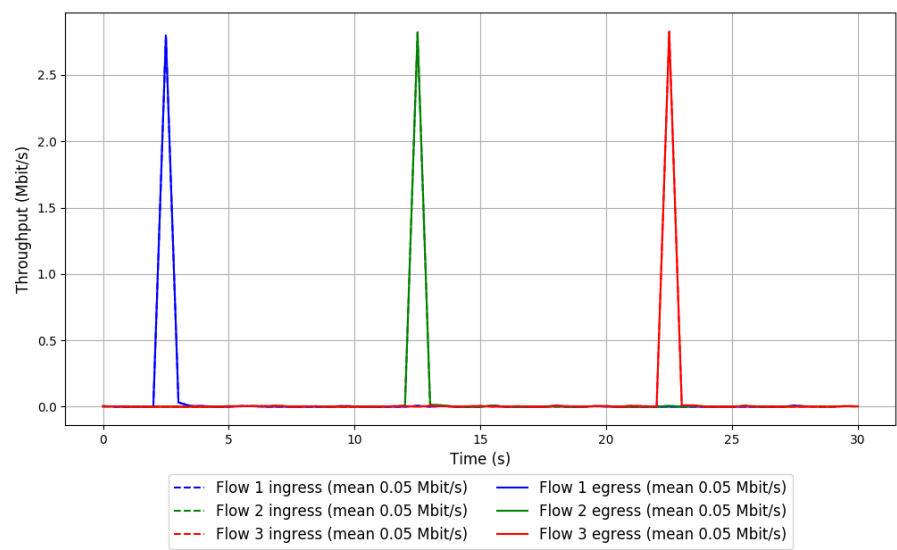
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

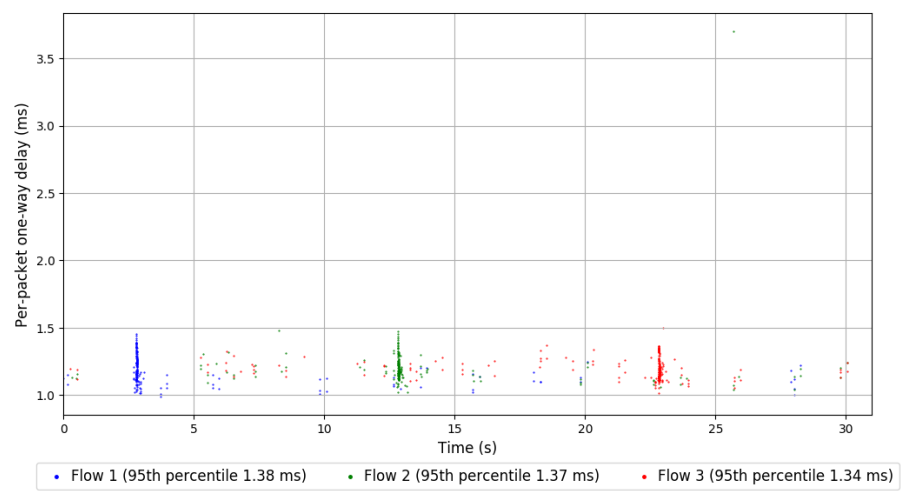
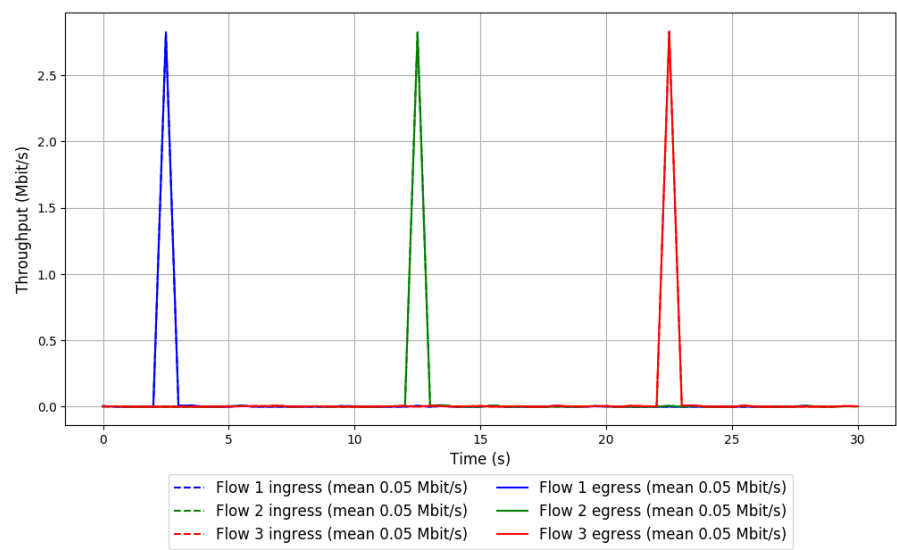


Run 5: Statistics of WebRTC media

Start at: 2018-03-13 16:25:35
End at: 2018-03-13 16:26:05
Local clock offset: -0.464 ms
Remote clock offset: -3.797 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

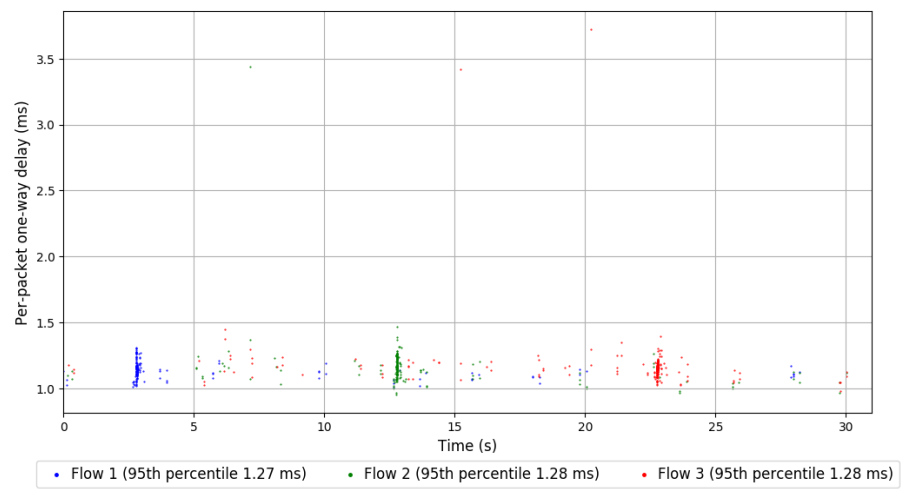
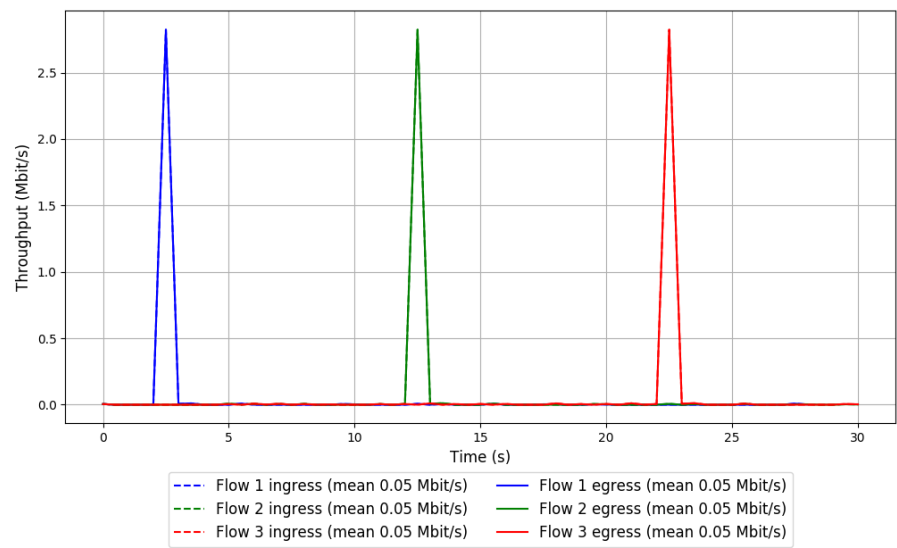


Run 6: Statistics of WebRTC media

Start at: 2018-03-13 16:54:48
End at: 2018-03-13 16:55:18
Local clock offset: -1.016 ms
Remote clock offset: -6.653 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

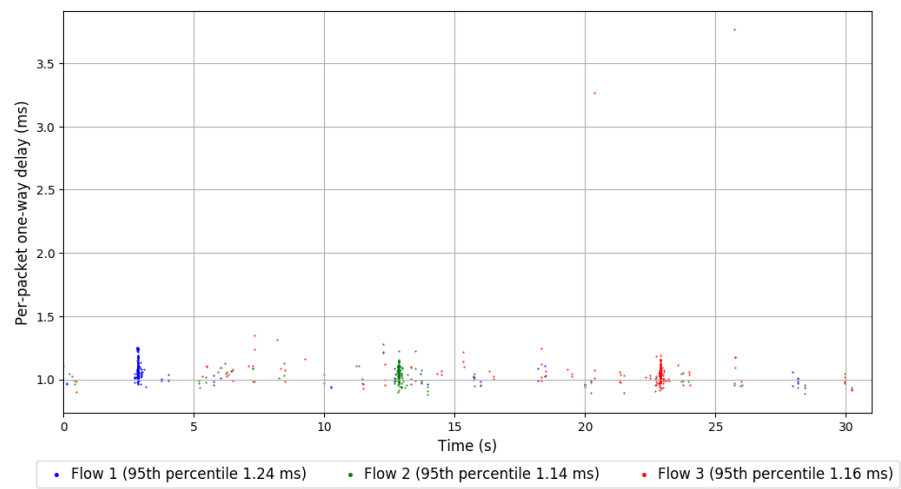
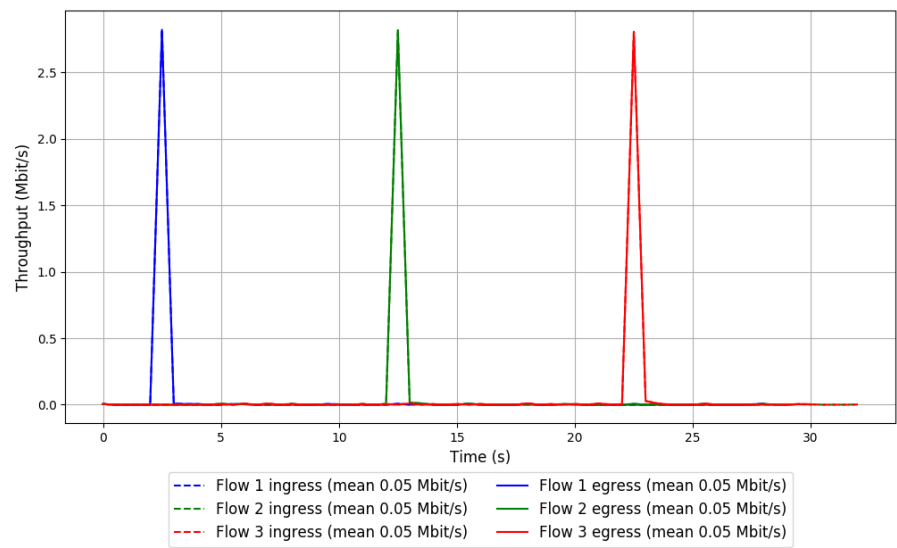


Run 7: Statistics of WebRTC media

Start at: 2018-03-13 17:23:52
End at: 2018-03-13 17:24:22
Local clock offset: 1.261 ms
Remote clock offset: -7.513 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.05%

Run 7: Report of WebRTC media — Data Link

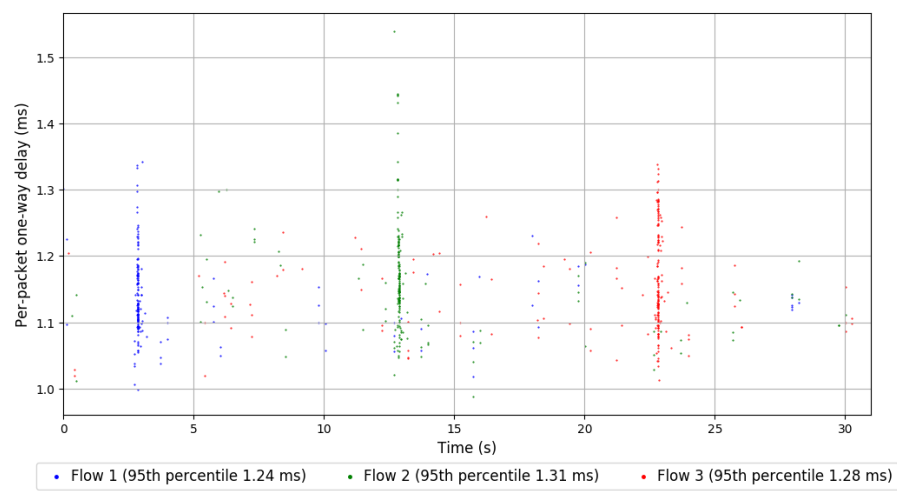
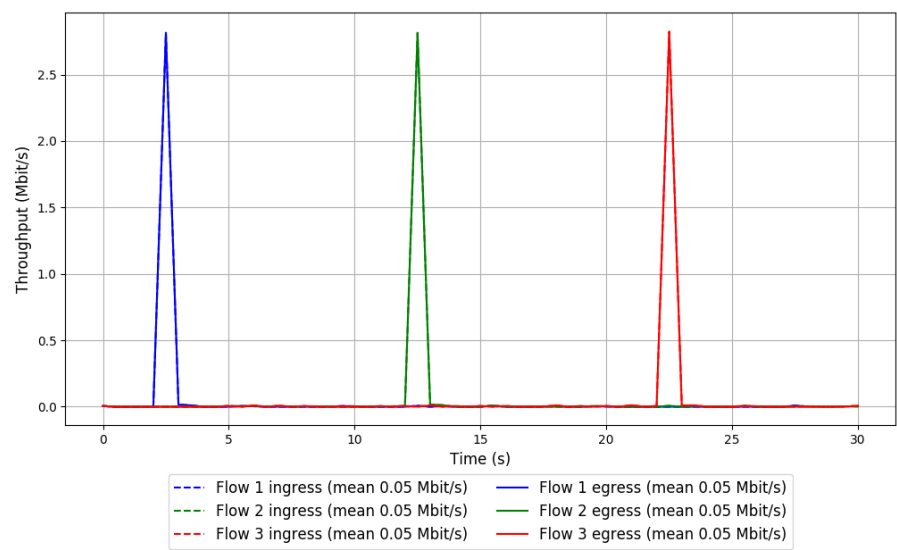


Run 8: Statistics of WebRTC media

Start at: 2018-03-13 17:53:10
End at: 2018-03-13 17:53:40
Local clock offset: 1.089 ms
Remote clock offset: -5.411 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

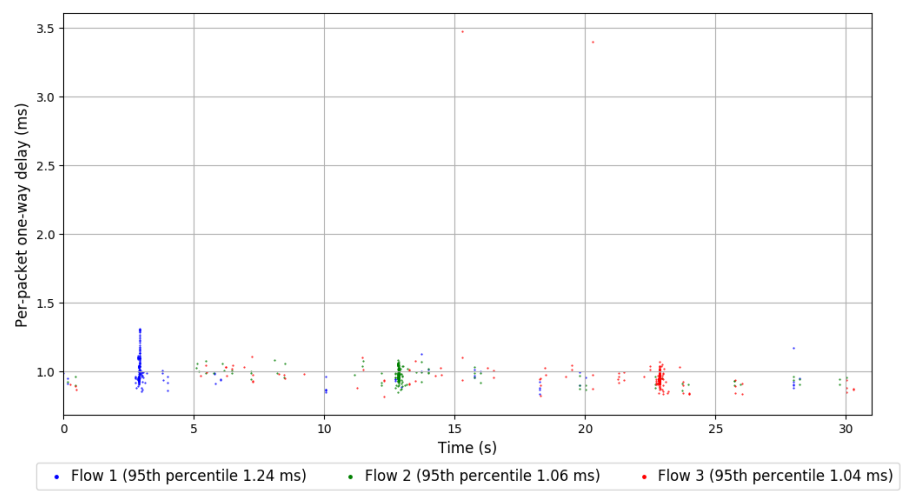
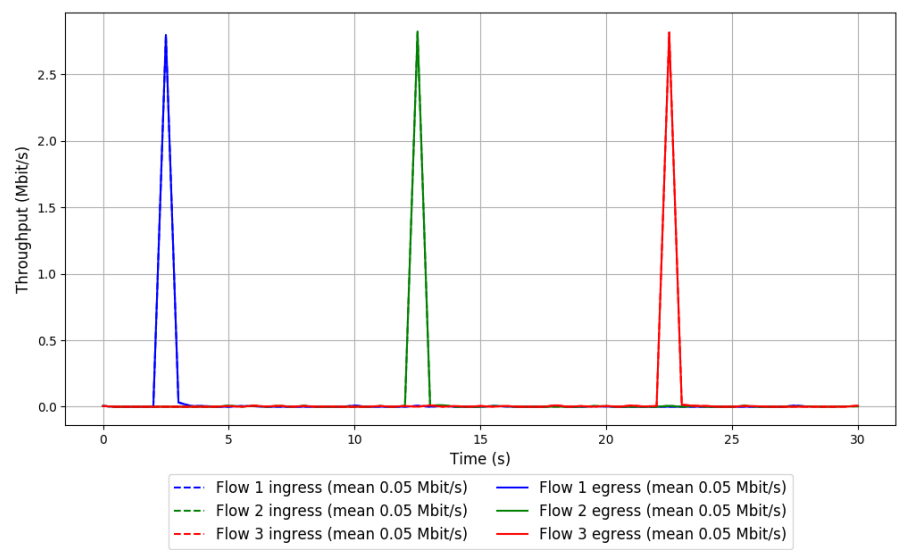


Run 9: Statistics of WebRTC media

Start at: 2018-03-13 18:22:40
End at: 2018-03-13 18:23:10
Local clock offset: 1.016 ms
Remote clock offset: -4.732 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

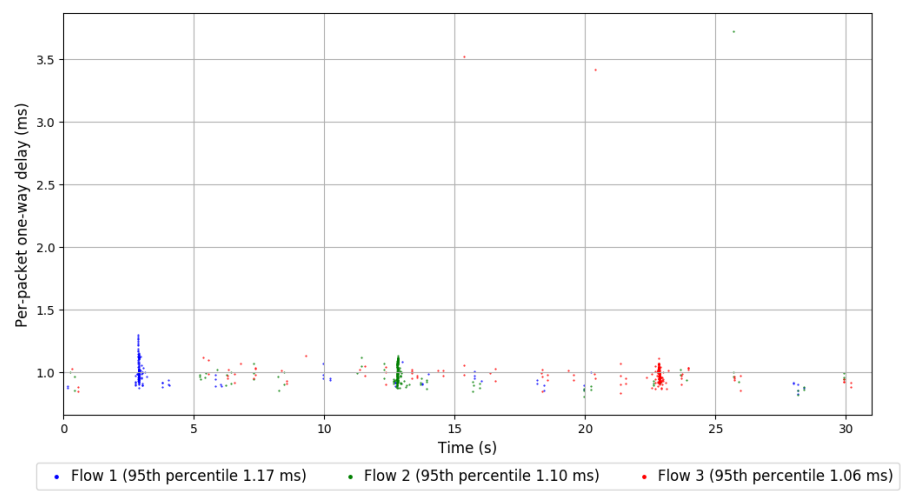
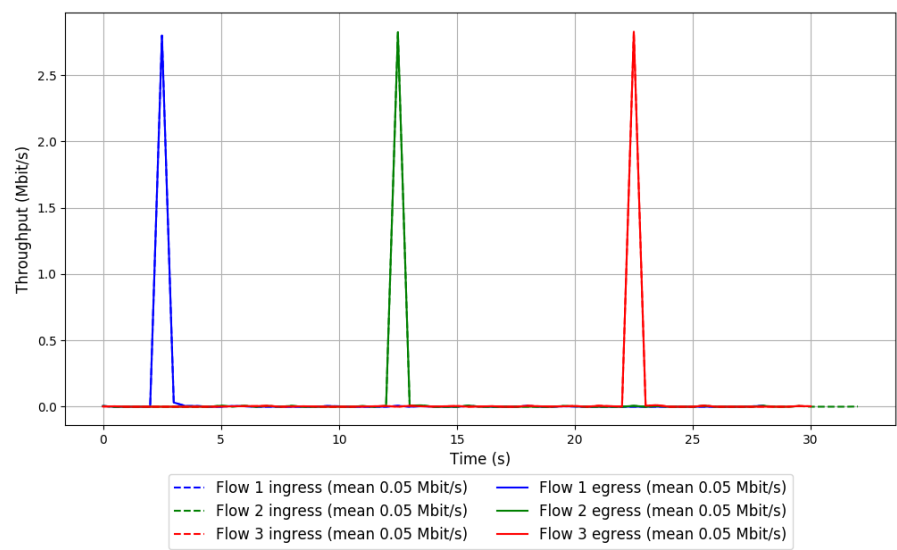


Run 10: Statistics of WebRTC media

Start at: 2018-03-13 18:51:42
End at: 2018-03-13 18:52:12
Local clock offset: 1.157 ms
Remote clock offset: -4.956 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

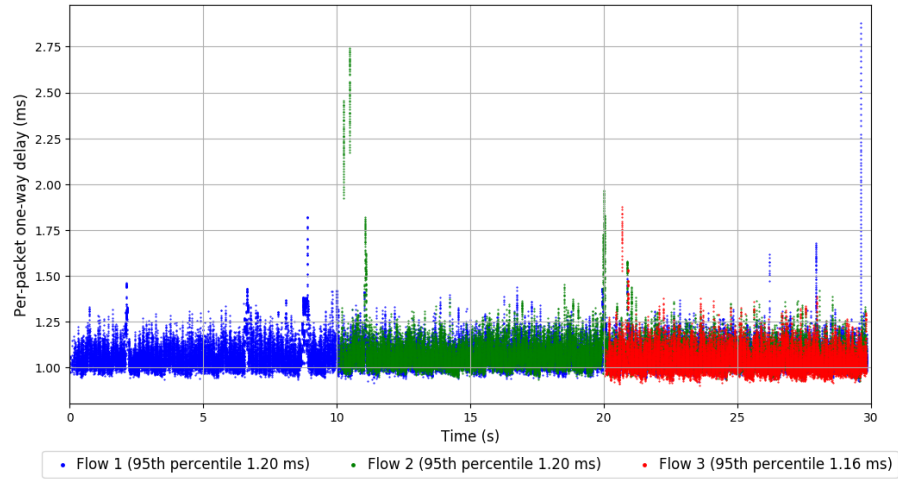
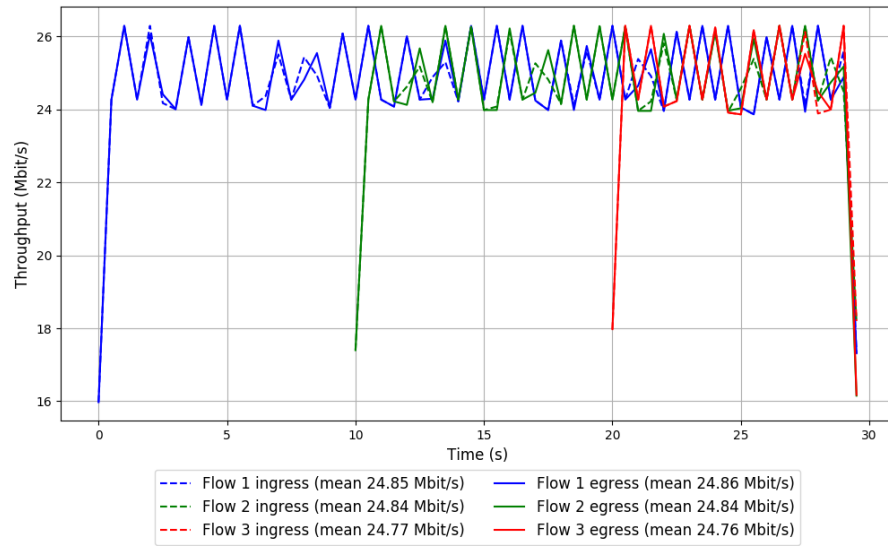


Run 1: Statistics of Sprout

Start at: 2018-03-13 14:25:03
End at: 2018-03-13 14:25:33
Local clock offset: 2.203 ms
Remote clock offset: -6.123 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.42%

Run 1: Report of Sprout — Data Link

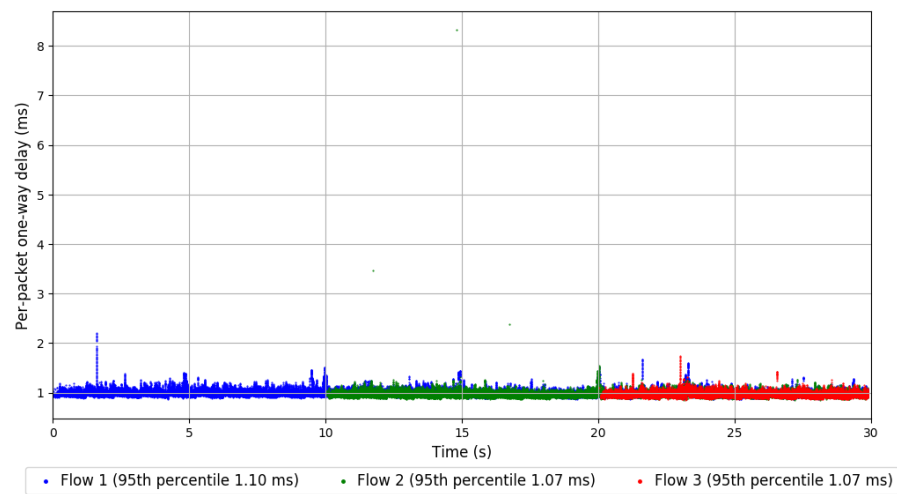
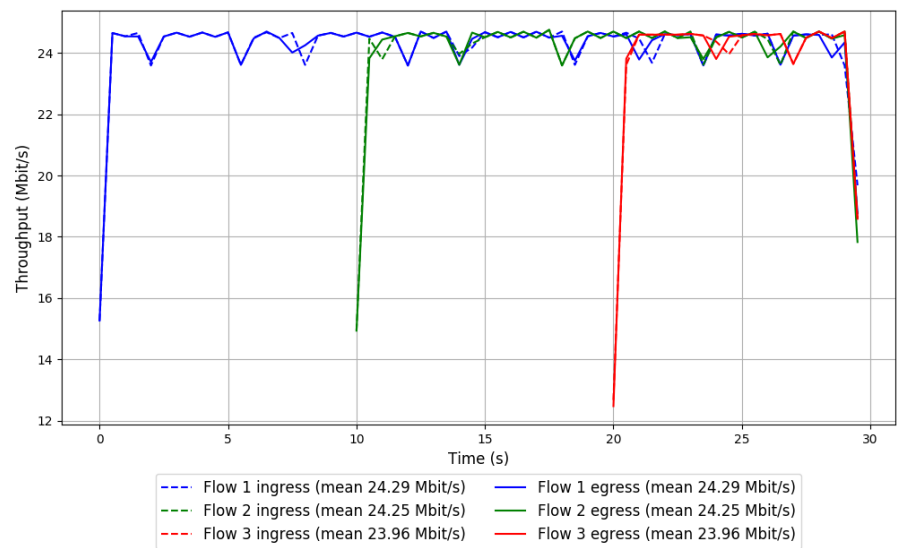


Run 2: Statistics of Sprout

Start at: 2018-03-13 14:54:19
End at: 2018-03-13 14:54:49
Local clock offset: 2.583 ms
Remote clock offset: -5.979 ms

```
# Below is generated by plot.py at 2018-03-14 01:04:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.29 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

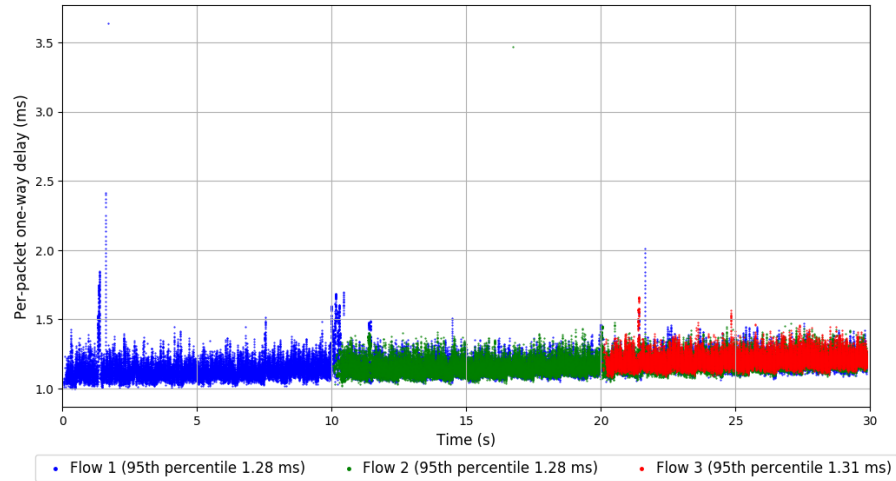
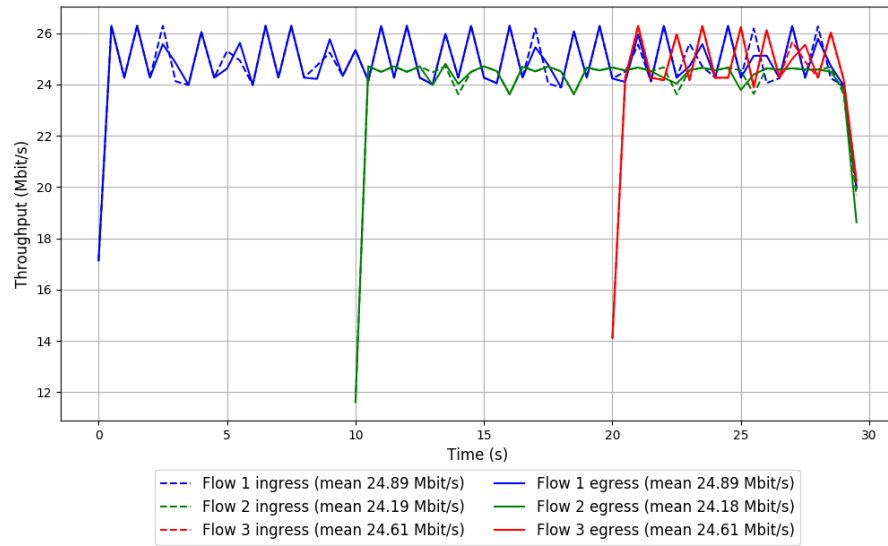


Run 3: Statistics of Sprout

Start at: 2018-03-13 15:24:01
End at: 2018-03-13 15:24:31
Local clock offset: 1.452 ms
Remote clock offset: -5.855 ms

```
# Below is generated by plot.py at 2018-03-14 01:04:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

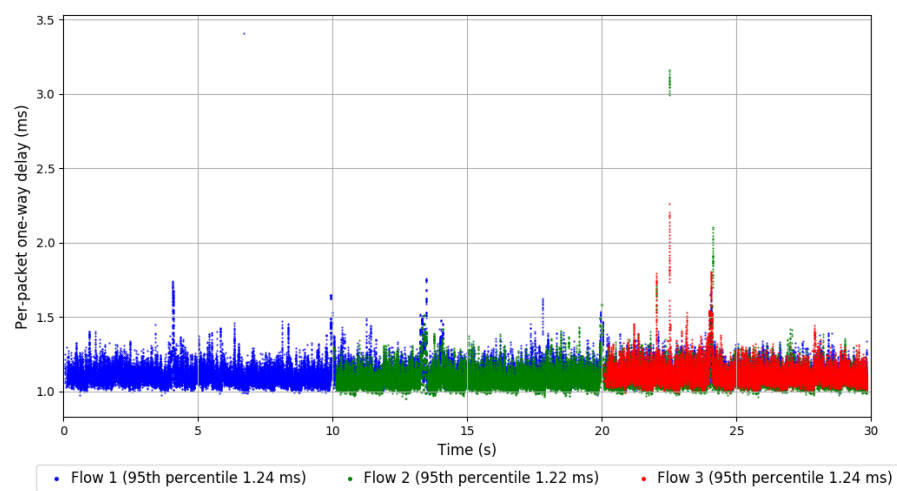
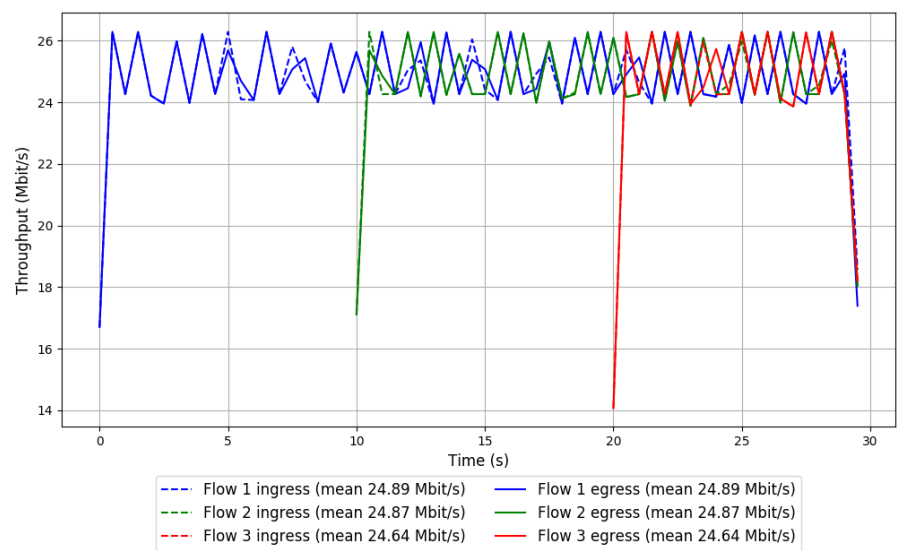


Run 4: Statistics of Sprout

Start at: 2018-03-13 15:53:28
End at: 2018-03-13 15:53:58
Local clock offset: 0.249 ms
Remote clock offset: -4.328 ms

```
# Below is generated by plot.py at 2018-03-14 01:04:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.52 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

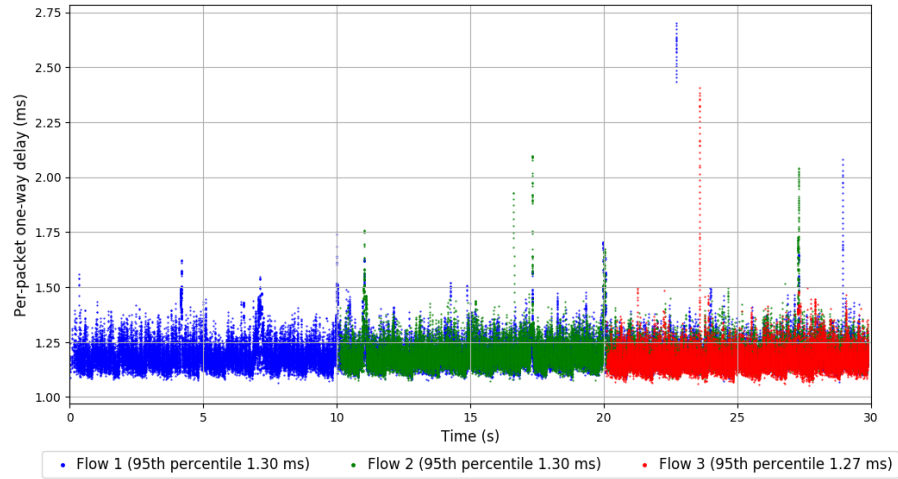
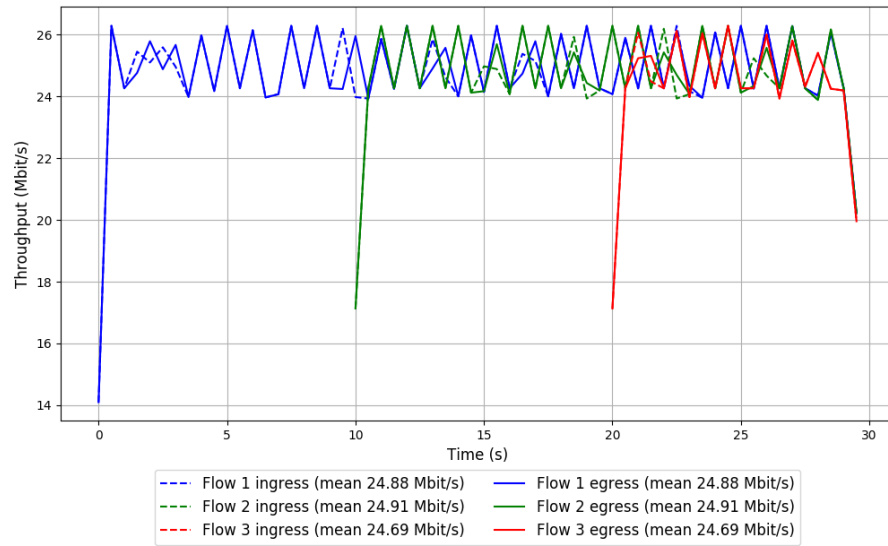


Run 5: Statistics of Sprout

Start at: 2018-03-13 16:22:35
End at: 2018-03-13 16:23:05
Local clock offset: -0.379 ms
Remote clock offset: -3.833 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

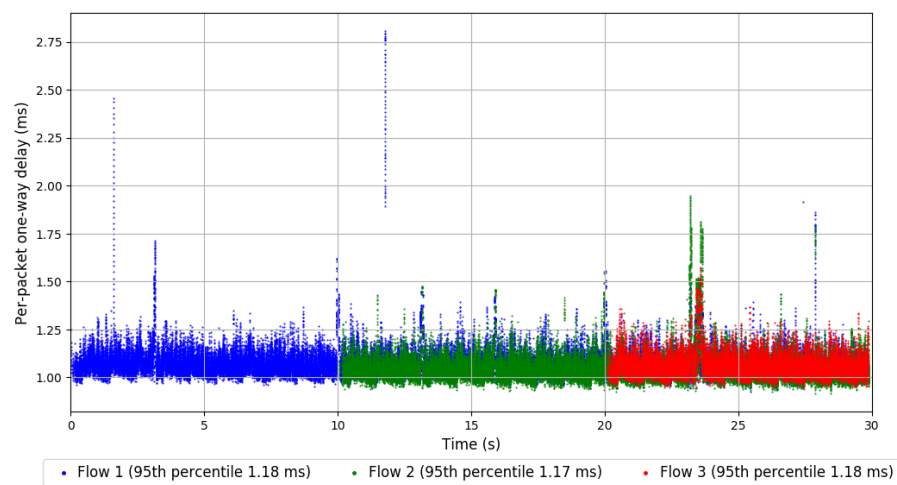
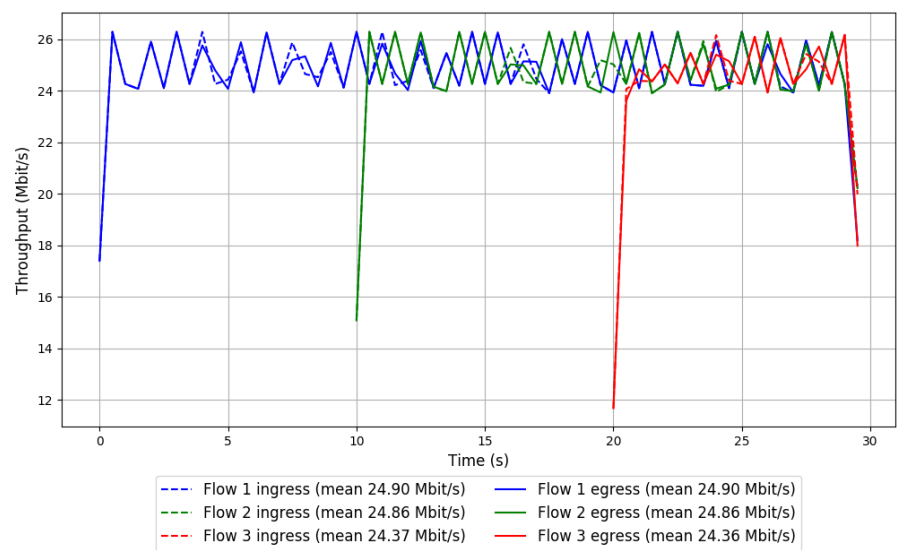


Run 6: Statistics of Sprout

Start at: 2018-03-13 16:51:48
End at: 2018-03-13 16:52:18
Local clock offset: -0.977 ms
Remote clock offset: -6.439 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.38 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.42%

Run 6: Report of Sprout — Data Link

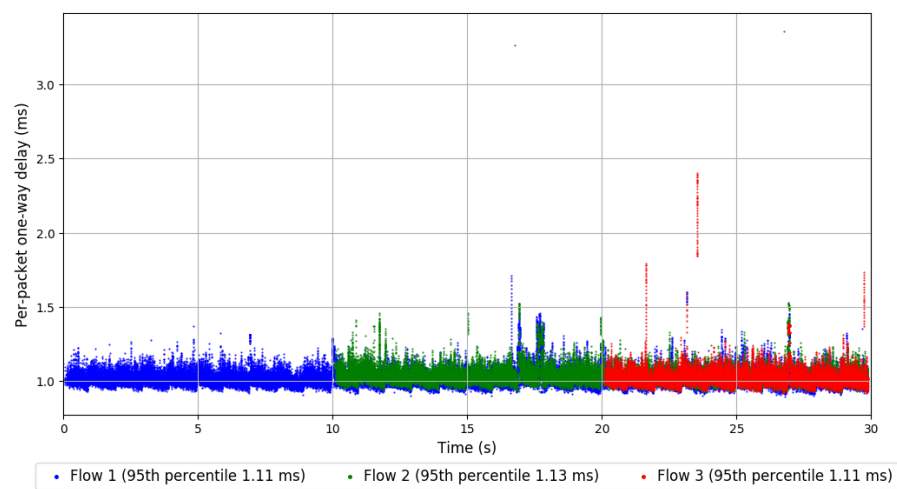
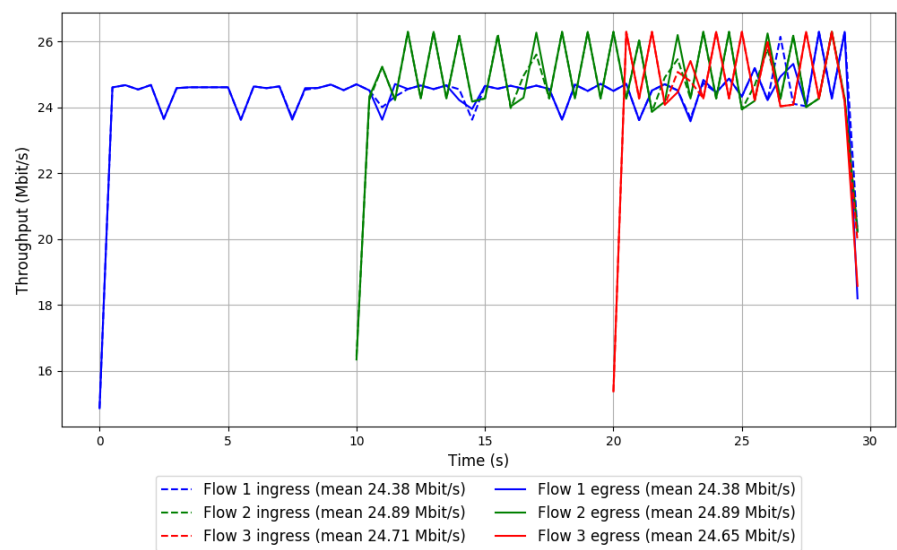


Run 7: Statistics of Sprout

Start at: 2018-03-13 17:20:54
End at: 2018-03-13 17:21:24
Local clock offset: 1.131 ms
Remote clock offset: -7.475 ms

```
# Below is generated by plot.py at 2018-03-14 01:04:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.28%
```

Run 7: Report of Sprout — Data Link

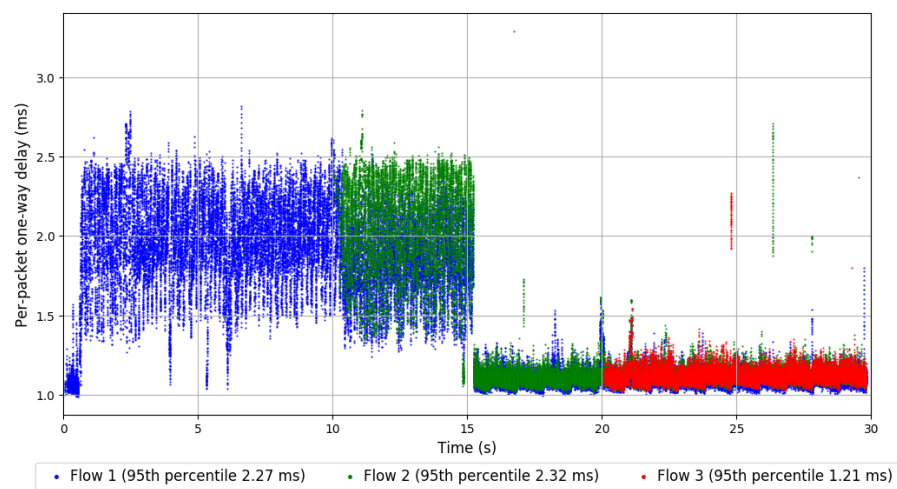
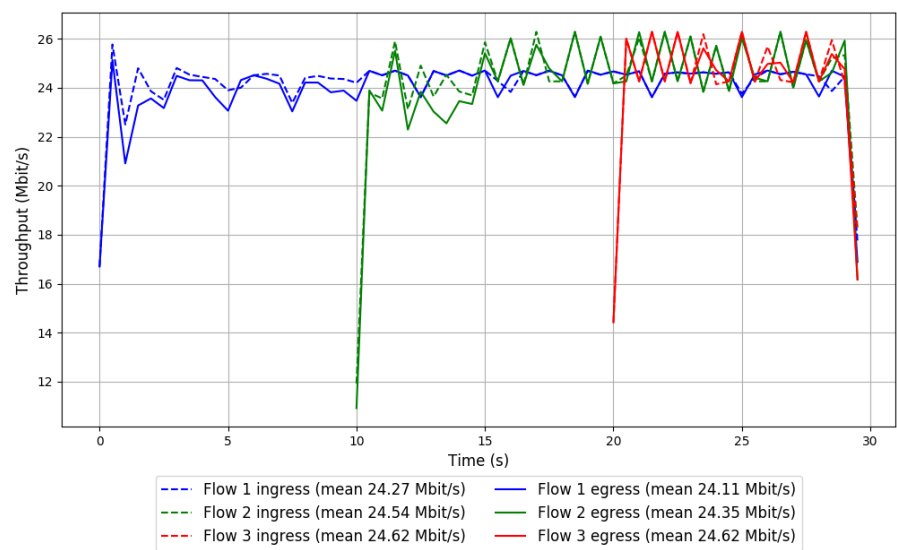


Run 8: Statistics of Sprout

Start at: 2018-03-13 17:50:09
End at: 2018-03-13 17:50:39
Local clock offset: 1.104 ms
Remote clock offset: -5.618 ms

```
# Below is generated by plot.py at 2018-03-14 01:04:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.35 Mbit/s
95th percentile per-packet one-way delay: 2.260 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 2.267 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 2.318 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.42%
```

Run 8: Report of Sprout — Data Link

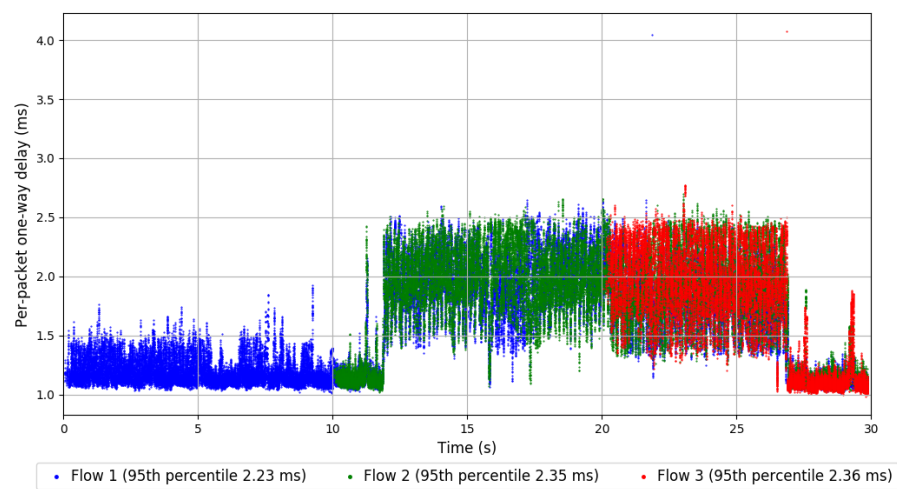
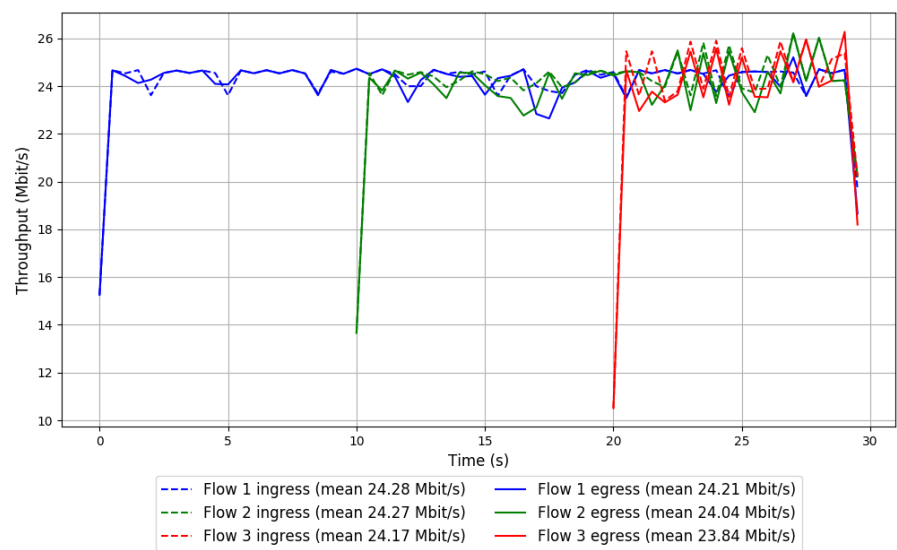


Run 9: Statistics of Sprout

Start at: 2018-03-13 18:19:42
End at: 2018-03-13 18:20:12
Local clock offset: 1.052 ms
Remote clock offset: -4.751 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 2.314 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 2.234 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 2.361 ms
Loss rate: 1.75%

Run 9: Report of Sprout — Data Link

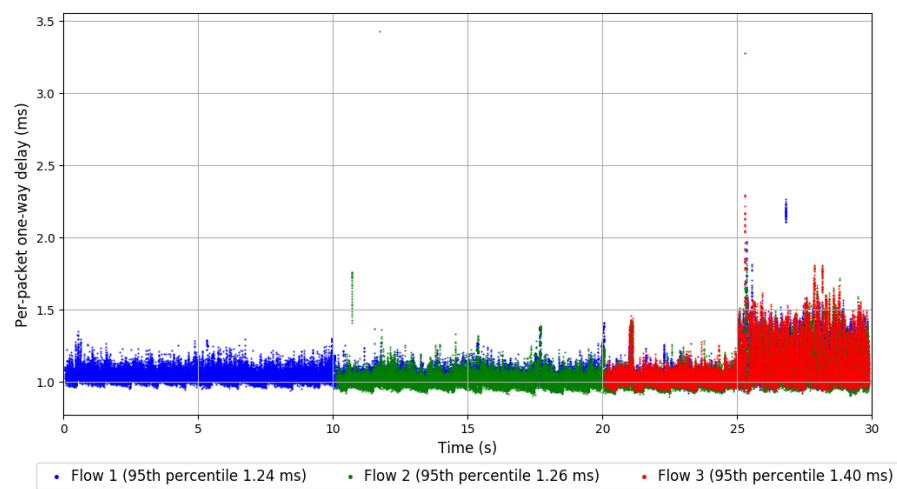
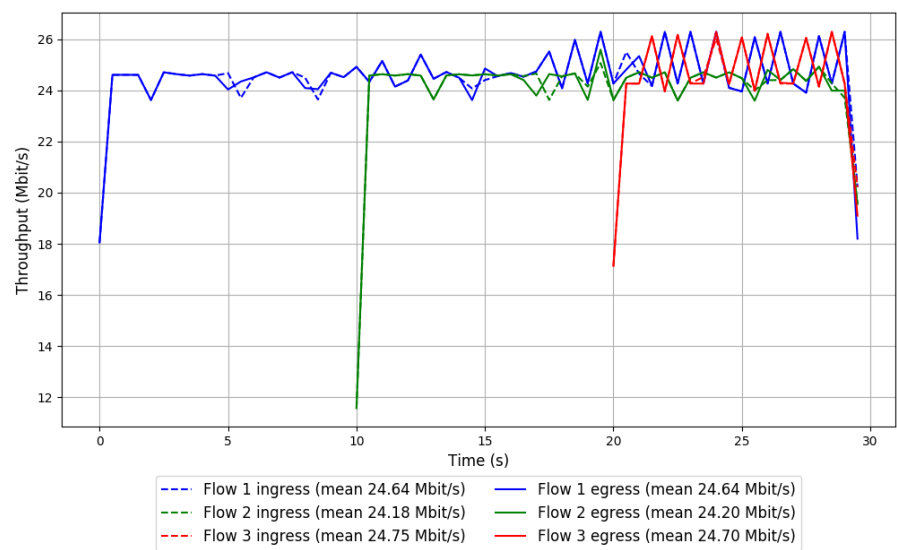


Run 10: Statistics of Sprout

Start at: 2018-03-13 18:48:54
End at: 2018-03-13 18:49:24
Local clock offset: 1.224 ms
Remote clock offset: -4.799 ms

Below is generated by plot.py at 2018-03-14 01:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.23%

Run 10: Report of Sprout — Data Link

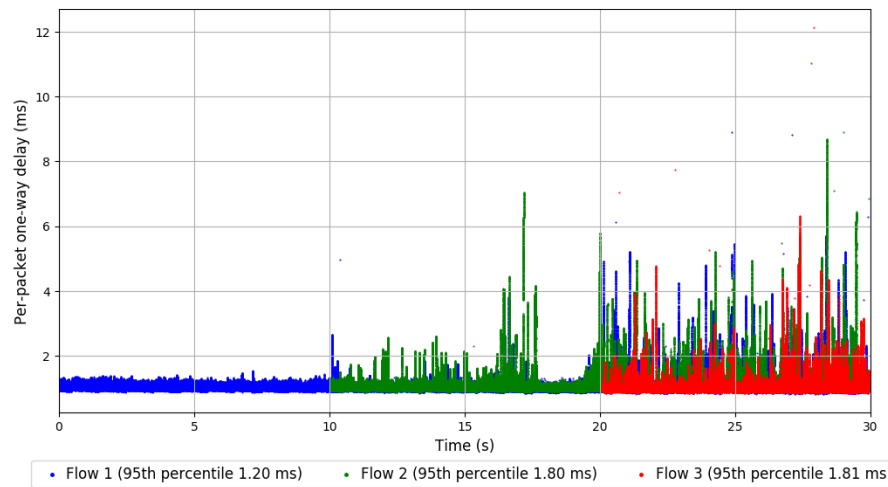
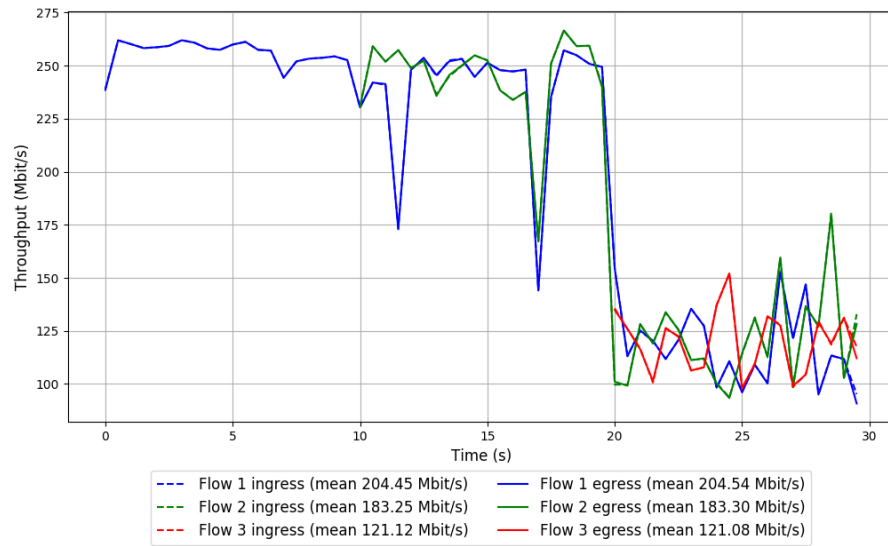


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-13 14:06:37
End at: 2018-03-13 14:07:07
Local clock offset: 1.222 ms
Remote clock offset: -6.554 ms

# Below is generated by plot.py at 2018-03-14 01:10:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.51 Mbit/s
95th percentile per-packet one-way delay: 1.460 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 204.54 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 183.30 Mbit/s
95th percentile per-packet one-way delay: 1.798 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 121.08 Mbit/s
95th percentile per-packet one-way delay: 1.808 ms
Loss rate: 0.23%
```

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

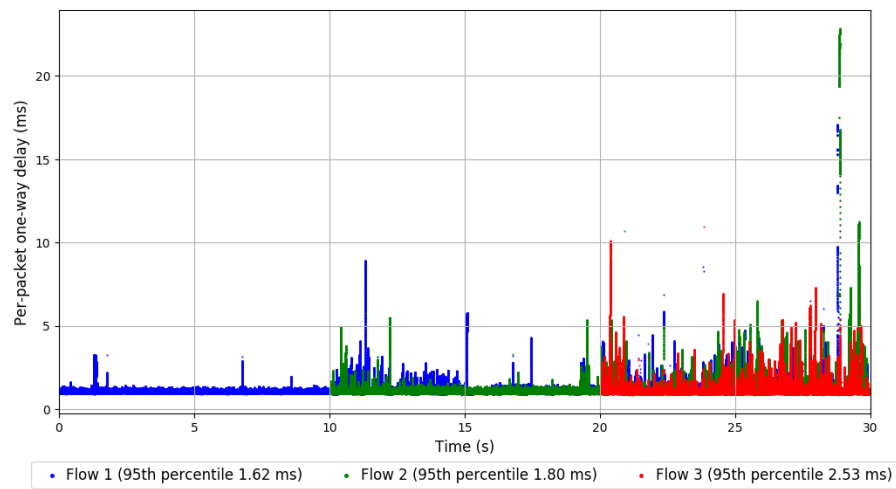
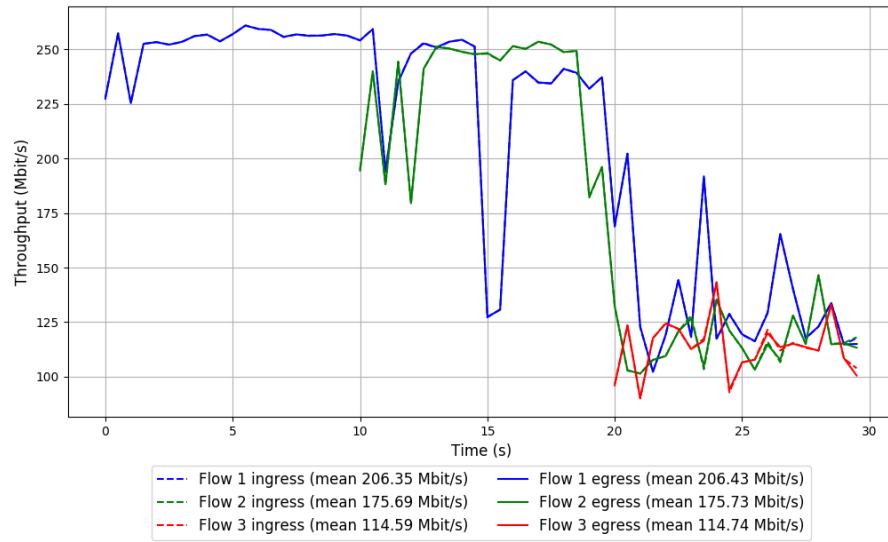


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-13 14:35:52
End at: 2018-03-13 14:36:22
Local clock offset: 2.32 ms
Remote clock offset: -5.996 ms

Below is generated by plot.py at 2018-03-14 01:10:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.21 Mbit/s
95th percentile per-packet one-way delay: 1.771 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 206.43 Mbit/s
95th percentile per-packet one-way delay: 1.621 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 175.73 Mbit/s
95th percentile per-packet one-way delay: 1.805 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 114.74 Mbit/s
95th percentile per-packet one-way delay: 2.530 ms
Loss rate: 0.15%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-13 15:05:21

End at: 2018-03-13 15:05:51

Local clock offset: 2.817 ms

Remote clock offset: -6.16 ms

Below is generated by plot.py at 2018-03-14 01:10:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.81 Mbit/s

95th percentile per-packet one-way delay: 1.410 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 203.45 Mbit/s

95th percentile per-packet one-way delay: 1.385 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 187.30 Mbit/s

95th percentile per-packet one-way delay: 1.467 ms

Loss rate: 0.04%

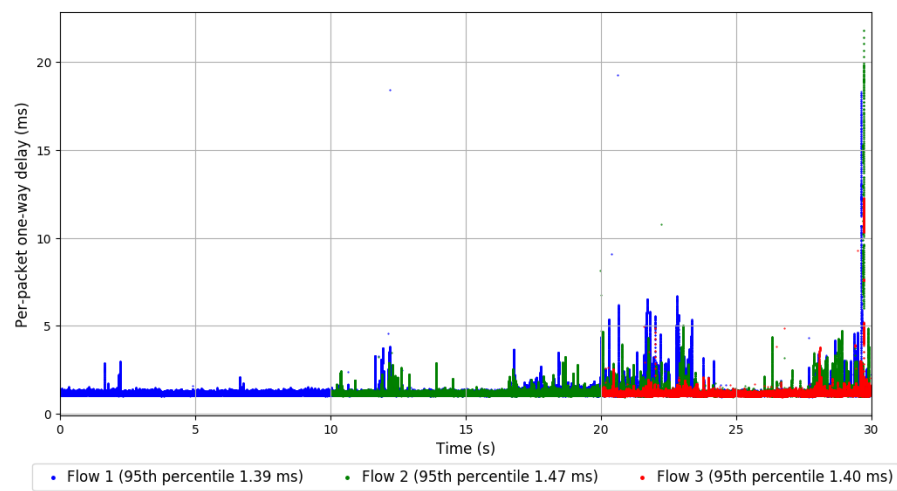
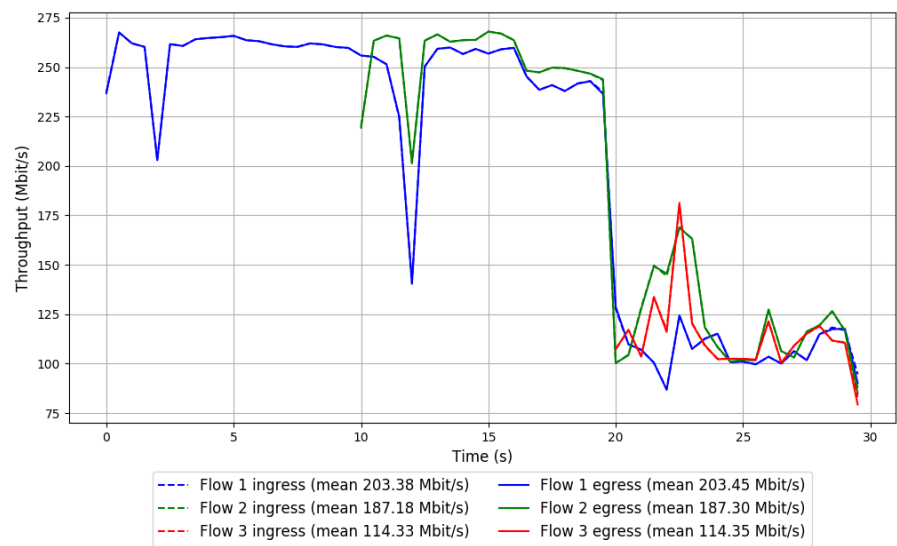
-- Flow 3:

Average throughput: 114.35 Mbit/s

95th percentile per-packet one-way delay: 1.398 ms

Loss rate: 0.18%

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

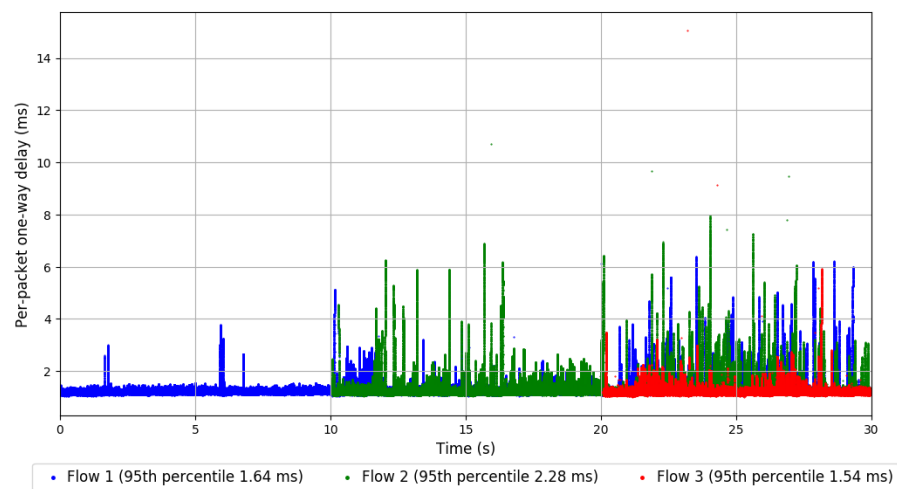
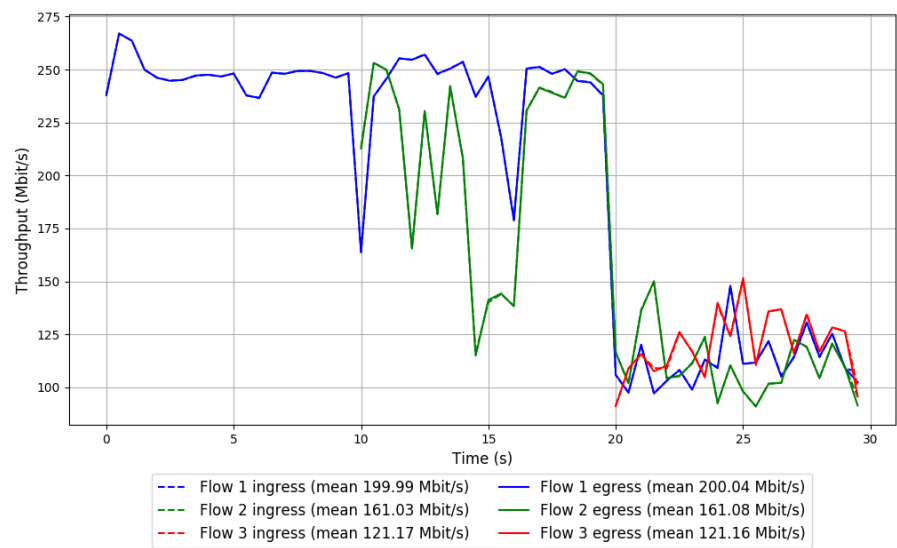


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-13 15:34:57
End at: 2018-03-13 15:35:27
Local clock offset: 0.785 ms
Remote clock offset: -5.041 ms

Below is generated by plot.py at 2018-03-14 01:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.20 Mbit/s
95th percentile per-packet one-way delay: 1.856 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 200.04 Mbit/s
95th percentile per-packet one-way delay: 1.636 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 161.08 Mbit/s
95th percentile per-packet one-way delay: 2.281 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 121.16 Mbit/s
95th percentile per-packet one-way delay: 1.536 ms
Loss rate: 0.20%

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

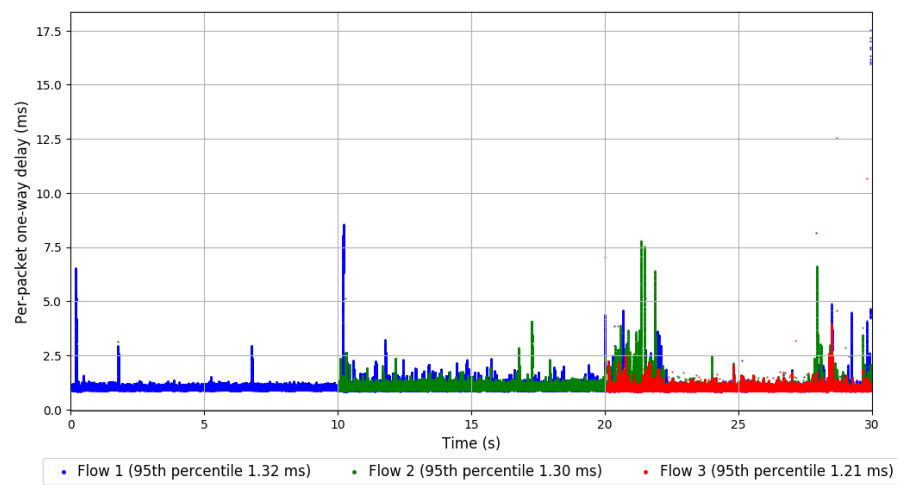
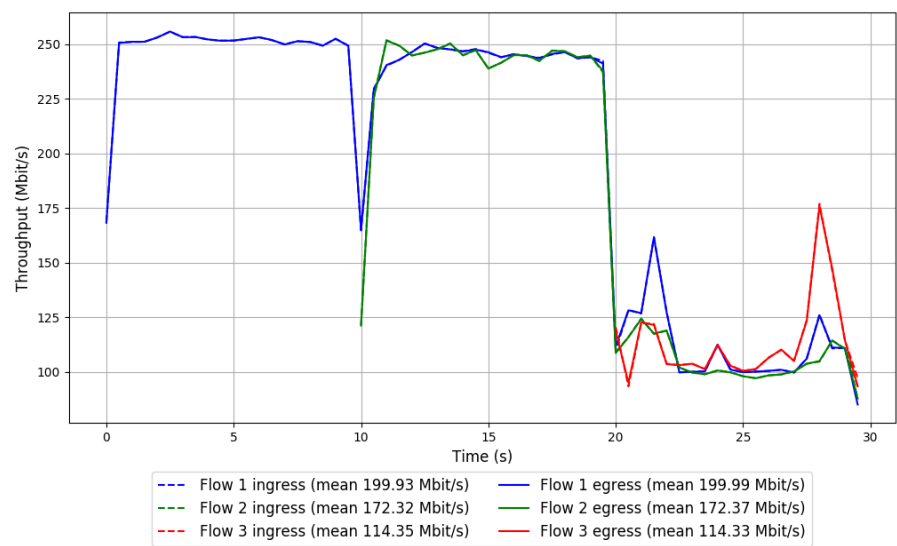


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-13 16:04:12
End at: 2018-03-13 16:04:42
Local clock offset: -0.128 ms
Remote clock offset: -4.148 ms

Below is generated by plot.py at 2018-03-14 01:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.43 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 199.99 Mbit/s
95th percentile per-packet one-way delay: 1.322 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 172.37 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 114.33 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.21%

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

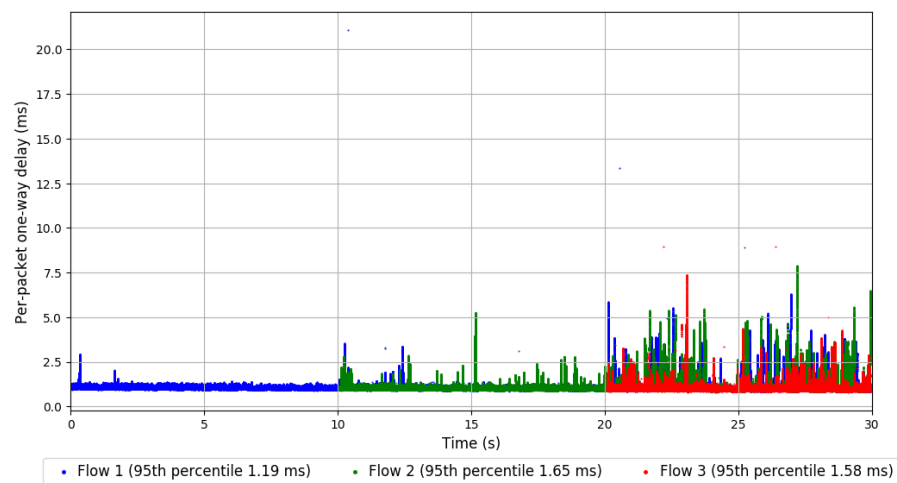
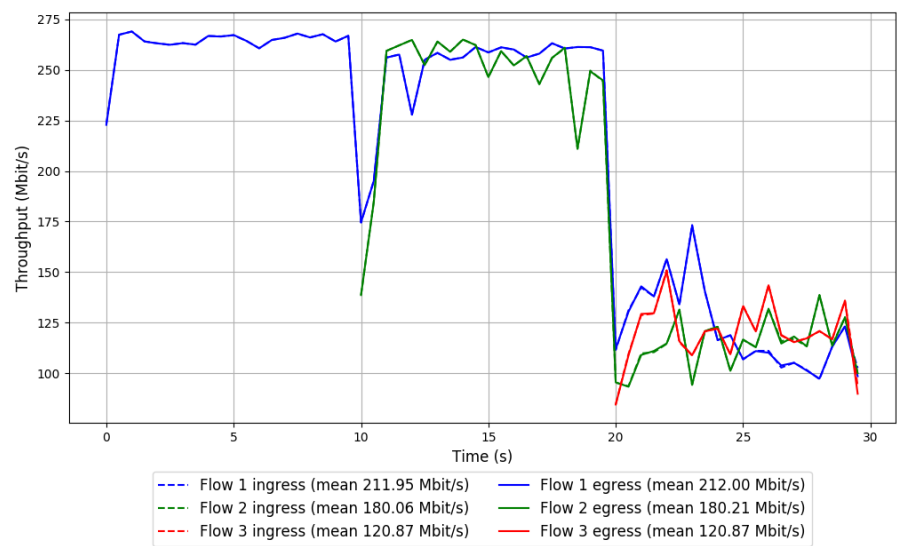


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-13 16:33:31
End at: 2018-03-13 16:34:01
Local clock offset: -0.639 ms
Remote clock offset: -4.376 ms

Below is generated by plot.py at 2018-03-14 01:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.75 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 212.00 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 180.21 Mbit/s
95th percentile per-packet one-way delay: 1.650 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.87 Mbit/s
95th percentile per-packet one-way delay: 1.579 ms
Loss rate: 0.18%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-03-13 17:02:37

End at: 2018-03-13 17:03:07

Local clock offset: -0.044 ms

Remote clock offset: -6.94 ms

Below is generated by plot.py at 2018-03-14 01:11:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.62 Mbit/s

95th percentile per-packet one-way delay: 1.393 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 200.71 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 186.56 Mbit/s

95th percentile per-packet one-way delay: 1.703 ms

Loss rate: 0.07%

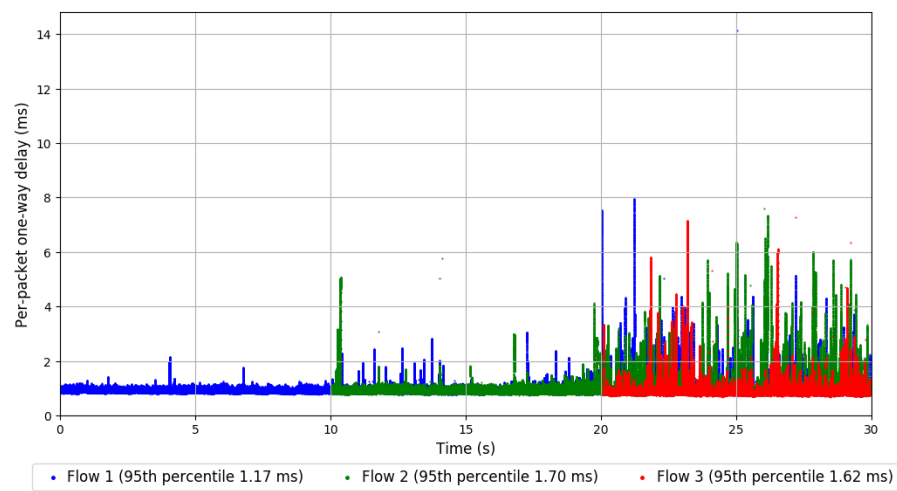
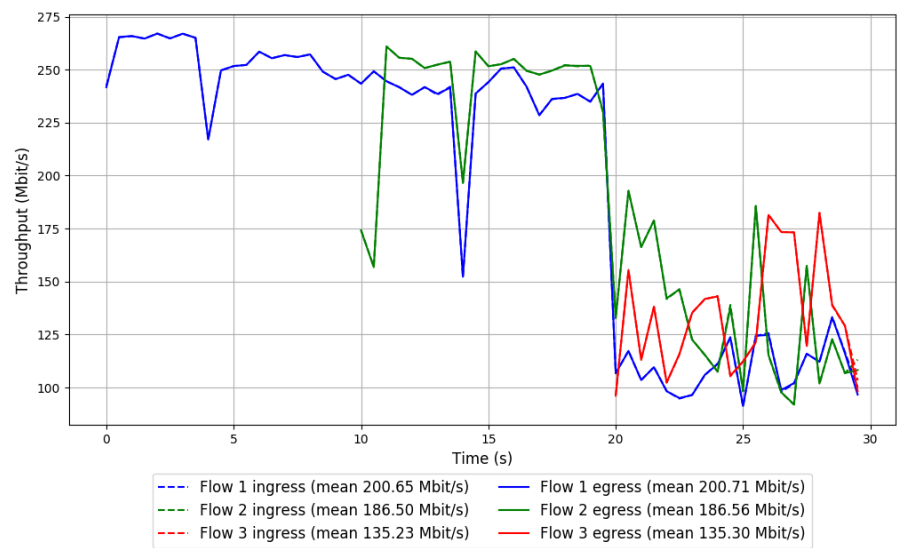
-- Flow 3:

Average throughput: 135.30 Mbit/s

95th percentile per-packet one-way delay: 1.618 ms

Loss rate: 0.19%

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

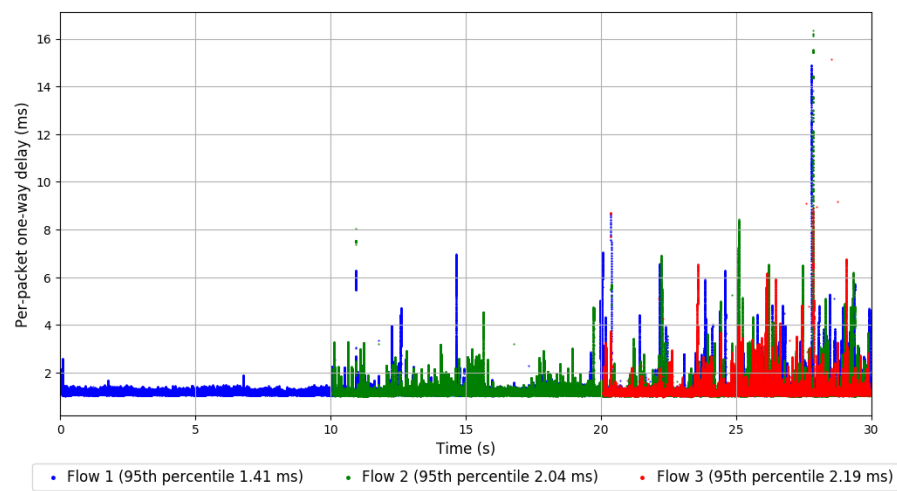
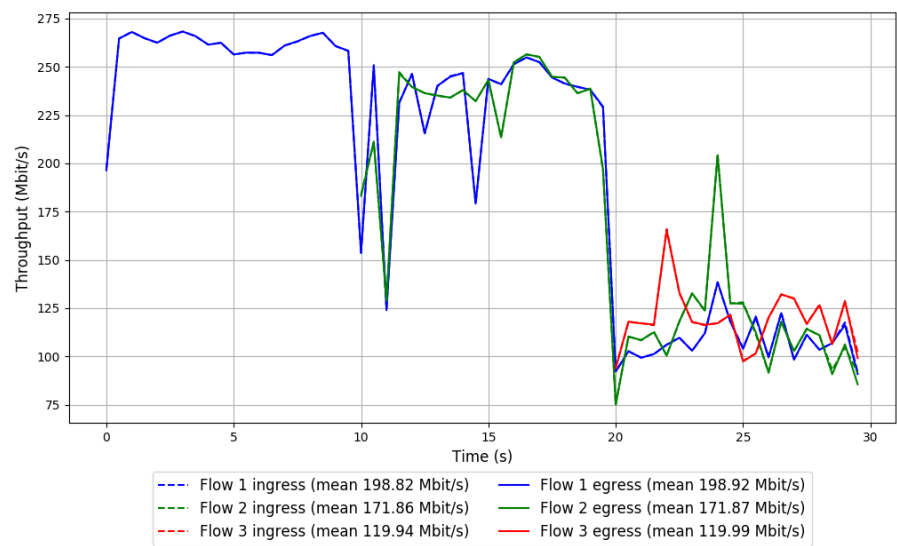


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-13 17:31:31
End at: 2018-03-13 17:32:01
Local clock offset: 1.341 ms
Remote clock offset: -7.791 ms

Below is generated by plot.py at 2018-03-14 01:13:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.82 Mbit/s
95th percentile per-packet one-way delay: 1.739 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 198.92 Mbit/s
95th percentile per-packet one-way delay: 1.408 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 171.87 Mbit/s
95th percentile per-packet one-way delay: 2.039 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 119.99 Mbit/s
95th percentile per-packet one-way delay: 2.188 ms
Loss rate: 0.13%

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

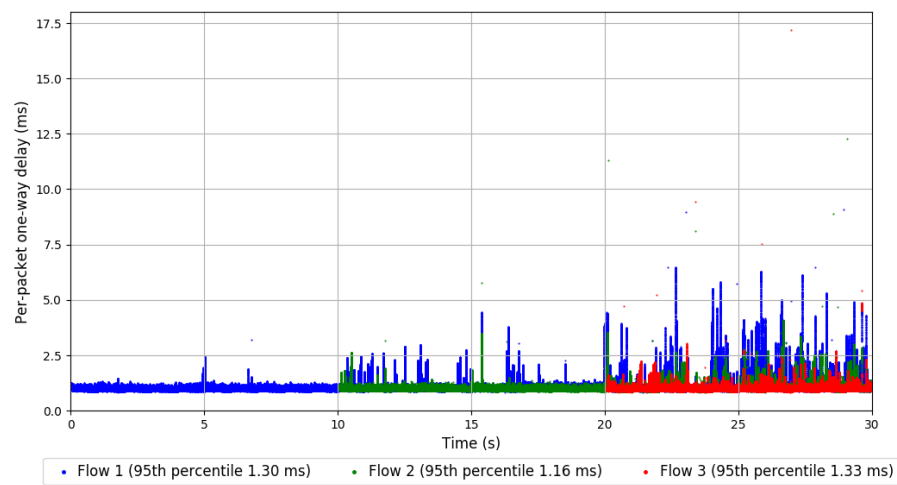
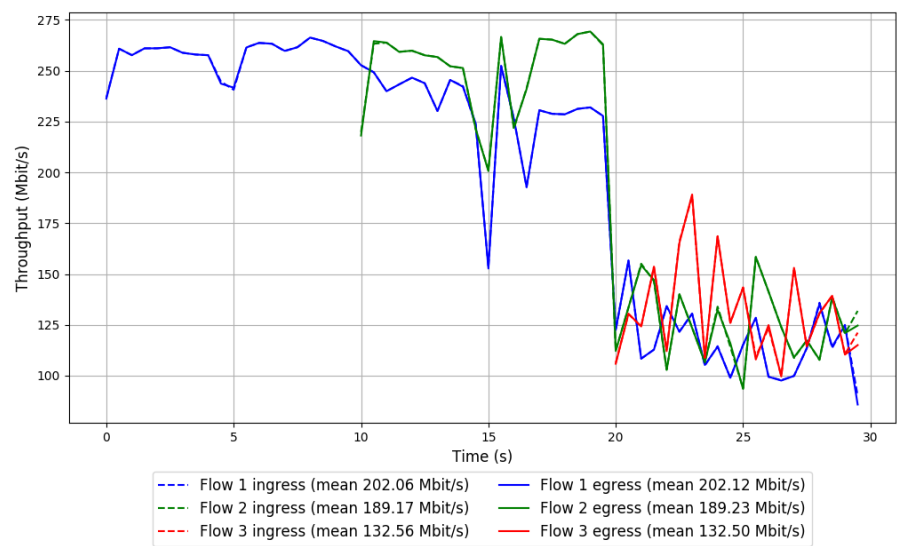


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-13 18:00:55
End at: 2018-03-13 18:01:25
Local clock offset: 1.055 ms
Remote clock offset: -4.803 ms

Below is generated by plot.py at 2018-03-14 01:19:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.75 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 202.12 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 189.23 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 132.50 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.25%

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

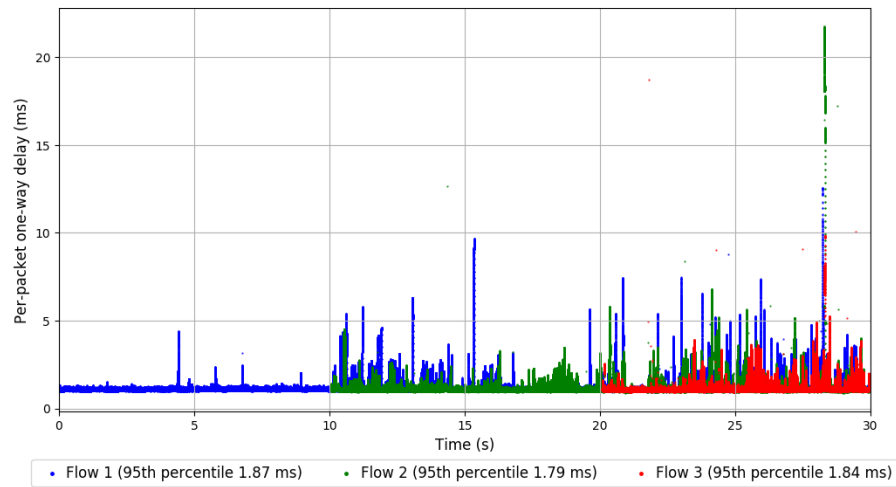
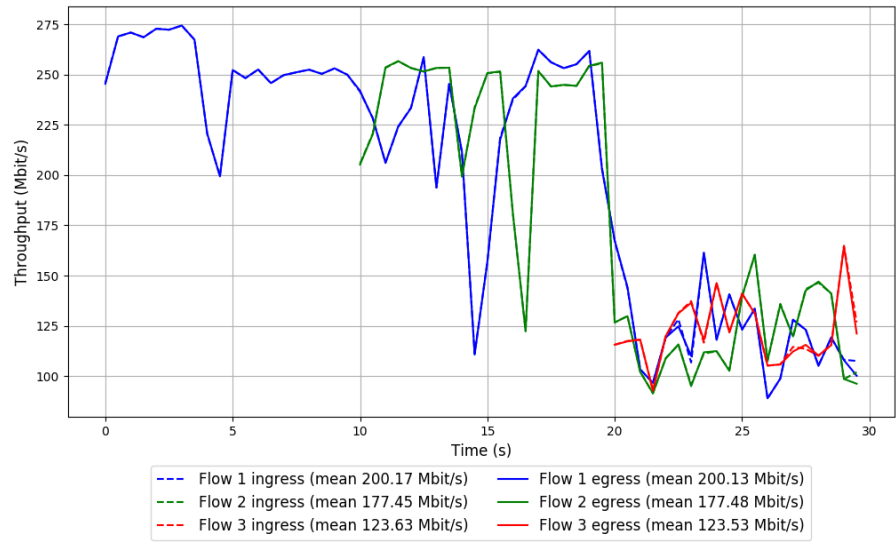


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-13 18:30:25
End at: 2018-03-13 18:30:55
Local clock offset: 1.093 ms
Remote clock offset: -4.852 ms

Below is generated by plot.py at 2018-03-14 01:19:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.90 Mbit/s
95th percentile per-packet one-way delay: 1.835 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 200.13 Mbit/s
95th percentile per-packet one-way delay: 1.872 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 177.48 Mbit/s
95th percentile per-packet one-way delay: 1.787 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 123.53 Mbit/s
95th percentile per-packet one-way delay: 1.840 ms
Loss rate: 0.25%

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

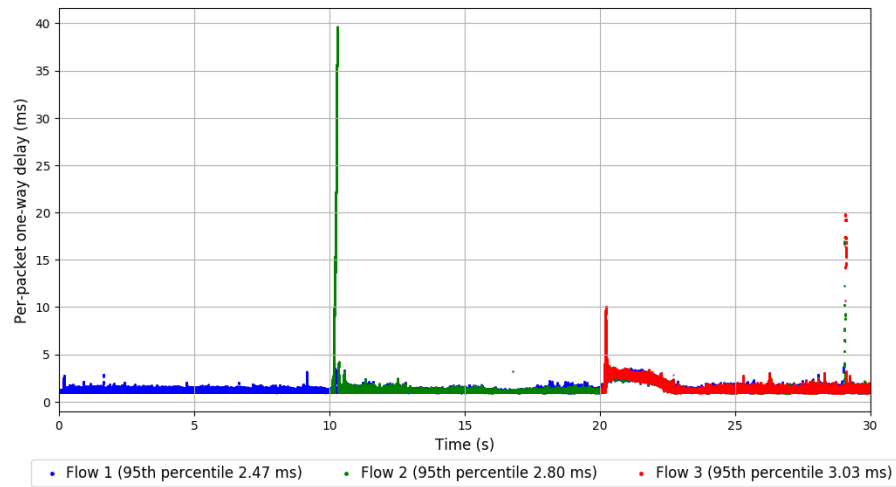
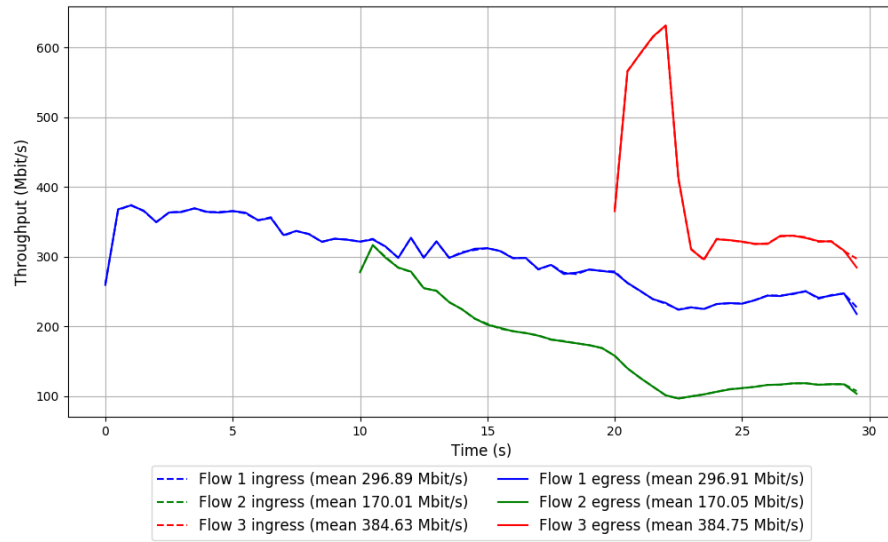


Run 1: Statistics of TCP Vegas

Start at: 2018-03-13 14:08:21
End at: 2018-03-13 14:08:51
Local clock offset: 1.429 ms
Remote clock offset: -6.576 ms

Below is generated by plot.py at 2018-03-14 01:19:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 537.34 Mbit/s
95th percentile per-packet one-way delay: 2.842 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 296.91 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 170.05 Mbit/s
95th percentile per-packet one-way delay: 2.798 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 384.75 Mbit/s
95th percentile per-packet one-way delay: 3.034 ms
Loss rate: 0.17%

Run 1: Report of TCP Vegas — Data Link

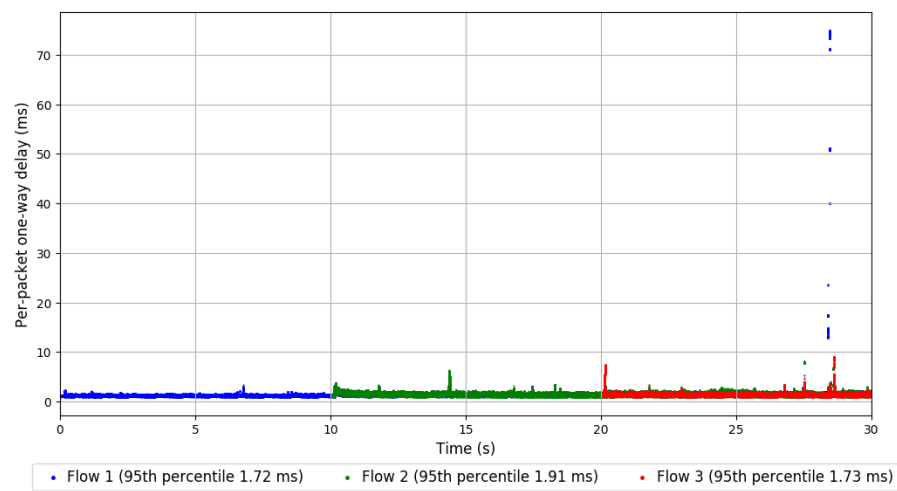
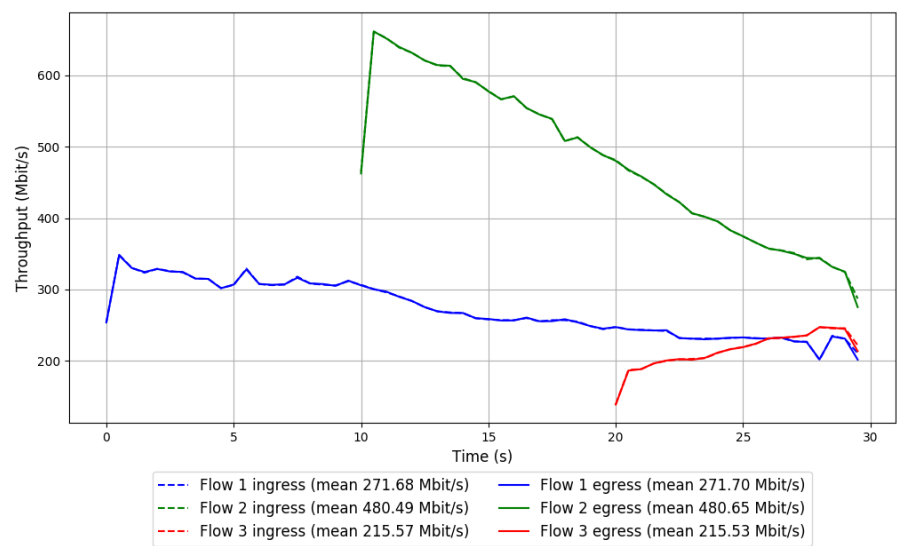


Run 2: Statistics of TCP Vegas

Start at: 2018-03-13 14:37:36
End at: 2018-03-13 14:38:06
Local clock offset: 2.415 ms
Remote clock offset: -5.976 ms

Below is generated by plot.py at 2018-03-14 01:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 663.04 Mbit/s
95th percentile per-packet one-way delay: 1.826 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 271.70 Mbit/s
95th percentile per-packet one-way delay: 1.722 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 480.65 Mbit/s
95th percentile per-packet one-way delay: 1.910 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 215.53 Mbit/s
95th percentile per-packet one-way delay: 1.726 ms
Loss rate: 0.22%

Run 2: Report of TCP Vegas — Data Link

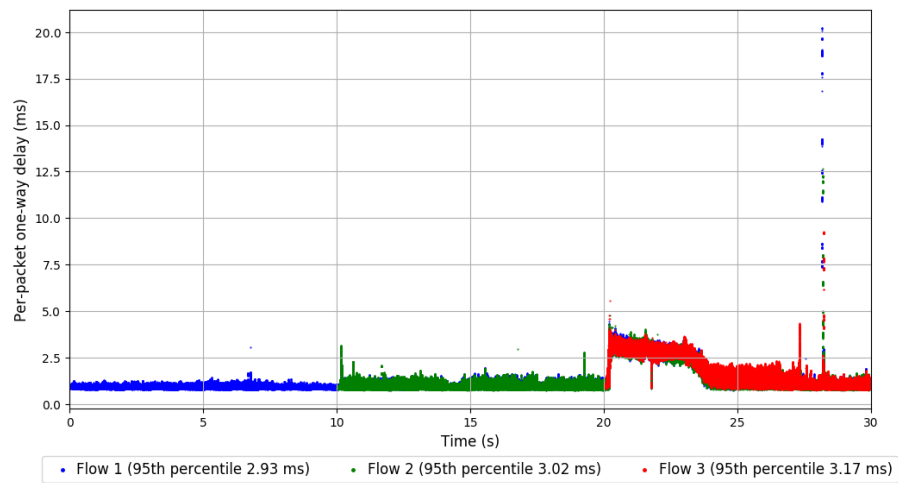
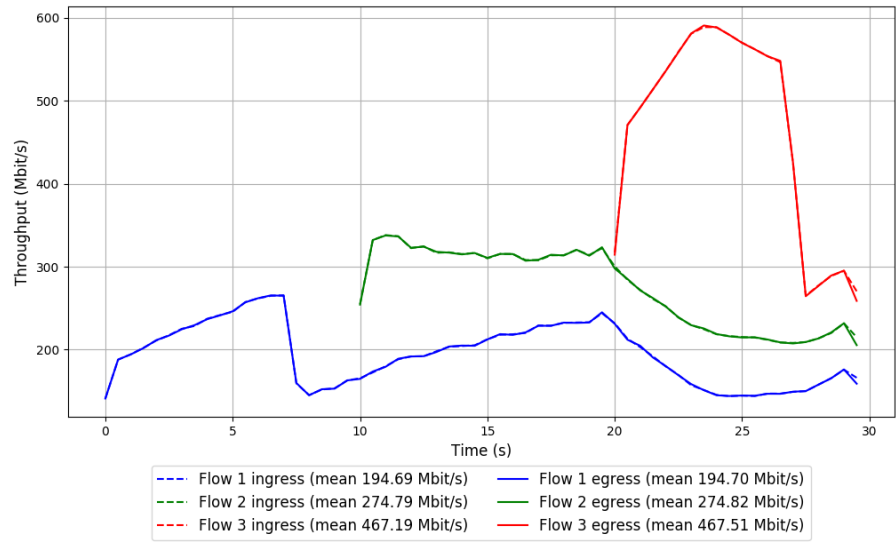


Run 3: Statistics of TCP Vegas

Start at: 2018-03-13 15:07:06
End at: 2018-03-13 15:07:36
Local clock offset: 2.688 ms
Remote clock offset: -6.056 ms

Below is generated by plot.py at 2018-03-14 01:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.41 Mbit/s
95th percentile per-packet one-way delay: 3.069 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 194.70 Mbit/s
95th percentile per-packet one-way delay: 2.933 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 274.82 Mbit/s
95th percentile per-packet one-way delay: 3.018 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 467.51 Mbit/s
95th percentile per-packet one-way delay: 3.166 ms
Loss rate: 0.13%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-03-13 15:36:41

End at: 2018-03-13 15:37:11

Local clock offset: 0.638 ms

Remote clock offset: -4.86 ms

Below is generated by plot.py at 2018-03-14 01:19:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.11 Mbit/s

95th percentile per-packet one-way delay: 1.616 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 233.21 Mbit/s

95th percentile per-packet one-way delay: 1.567 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 222.11 Mbit/s

95th percentile per-packet one-way delay: 1.647 ms

Loss rate: 0.11%

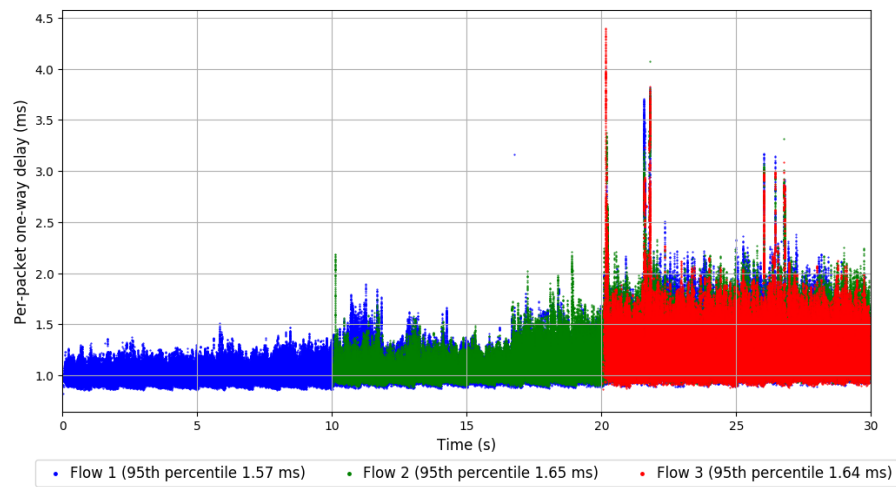
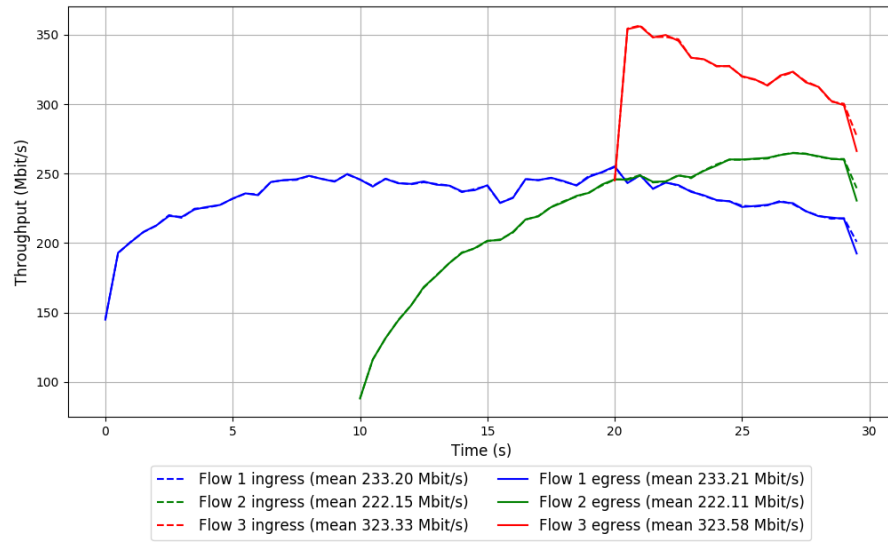
-- Flow 3:

Average throughput: 323.58 Mbit/s

95th percentile per-packet one-way delay: 1.644 ms

Loss rate: 0.19%

Run 4: Report of TCP Vegas — Data Link

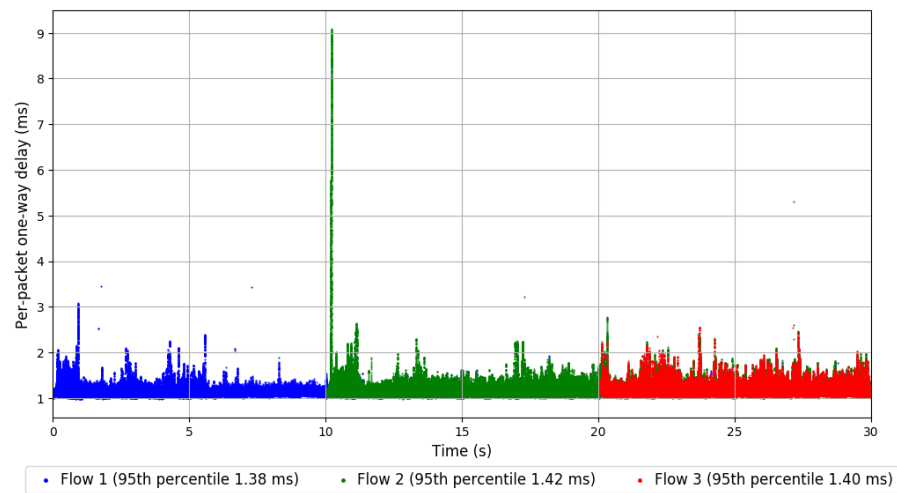
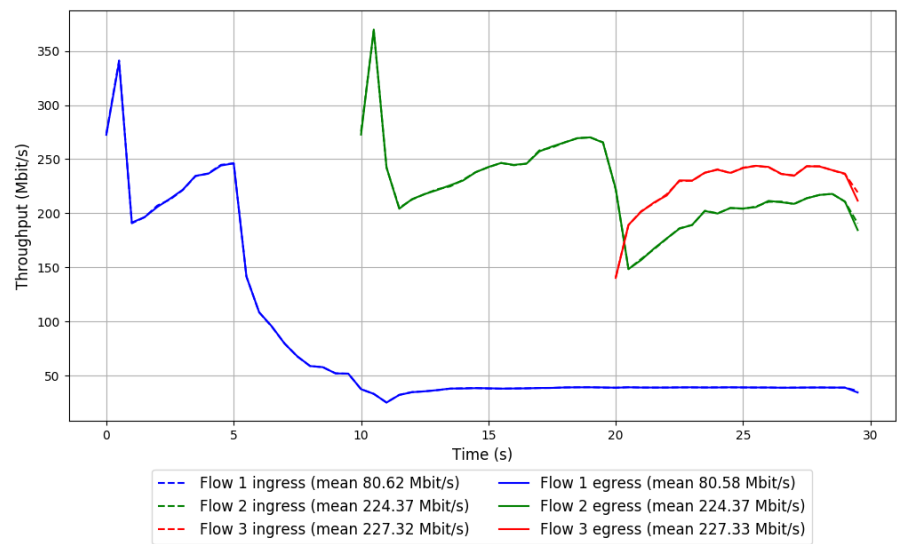


Run 5: Statistics of TCP Vegas

Start at: 2018-03-13 16:05:58
End at: 2018-03-13 16:06:28
Local clock offset: -0.045 ms
Remote clock offset: -4.135 ms

Below is generated by plot.py at 2018-03-14 01:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.21 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 1.380 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 224.37 Mbit/s
95th percentile per-packet one-way delay: 1.423 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 227.33 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 0.18%

Run 5: Report of TCP Vegas — Data Link

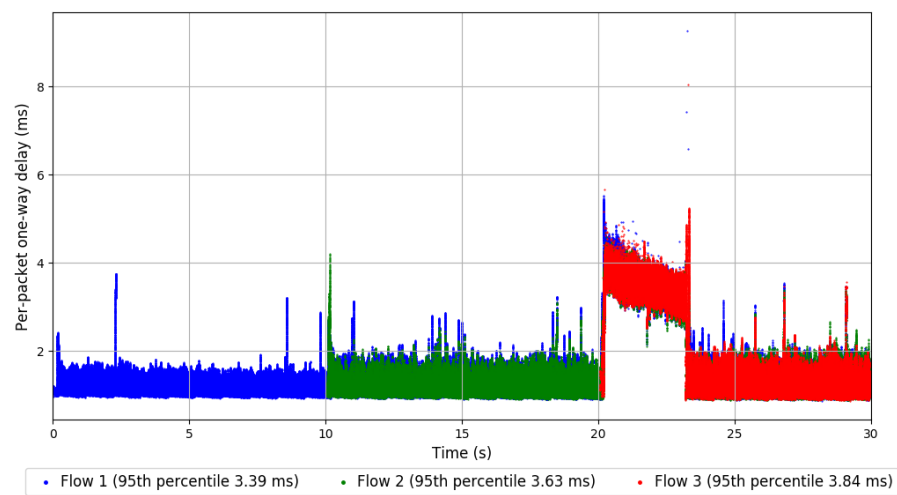
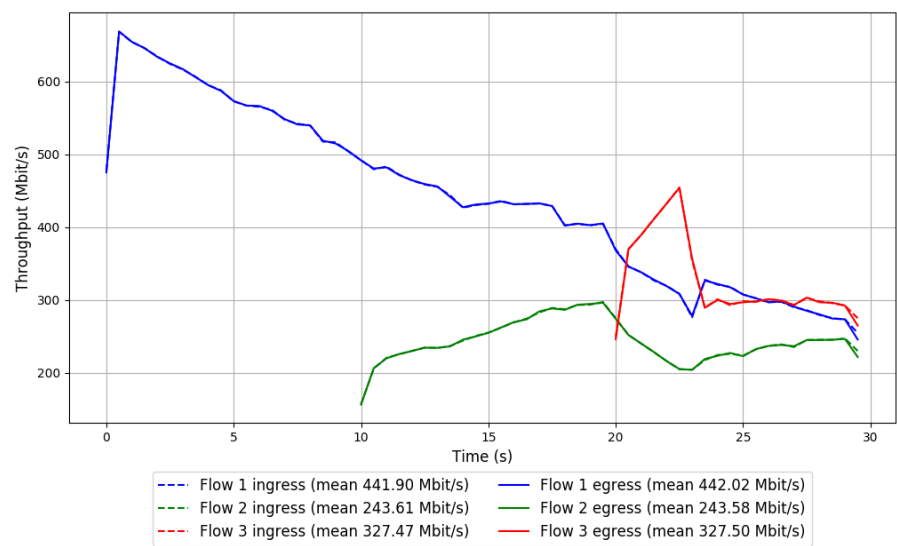


Run 6: Statistics of TCP Vegas

Start at: 2018-03-13 16:35:18
End at: 2018-03-13 16:35:48
Local clock offset: -0.657 ms
Remote clock offset: -4.747 ms

Below is generated by plot.py at 2018-03-14 01:23:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 712.54 Mbit/s
95th percentile per-packet one-way delay: 3.625 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 442.02 Mbit/s
95th percentile per-packet one-way delay: 3.387 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 243.58 Mbit/s
95th percentile per-packet one-way delay: 3.635 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 327.50 Mbit/s
95th percentile per-packet one-way delay: 3.837 ms
Loss rate: 0.18%

Run 6: Report of TCP Vegas — Data Link

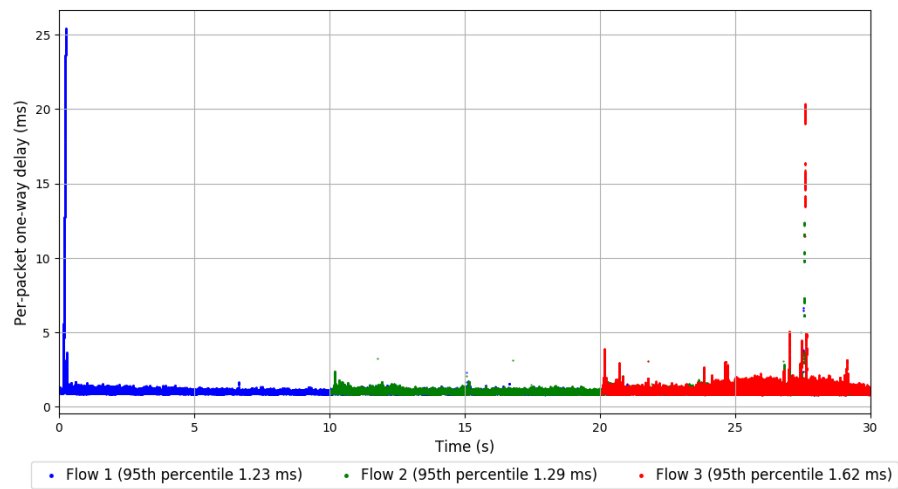
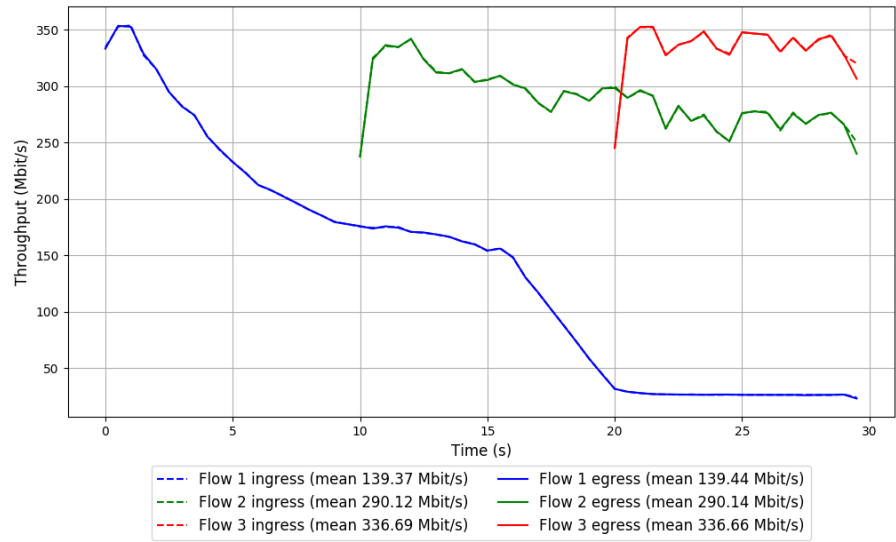


Run 7: Statistics of TCP Vegas

Start at: 2018-03-13 17:04:24
End at: 2018-03-13 17:04:54
Local clock offset: 0.19 ms
Remote clock offset: -7.015 ms

Below is generated by plot.py at 2018-03-14 01:23:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.91 Mbit/s
95th percentile per-packet one-way delay: 1.423 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 139.44 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 290.14 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 336.66 Mbit/s
95th percentile per-packet one-way delay: 1.623 ms
Loss rate: 0.21%

Run 7: Report of TCP Vegas — Data Link

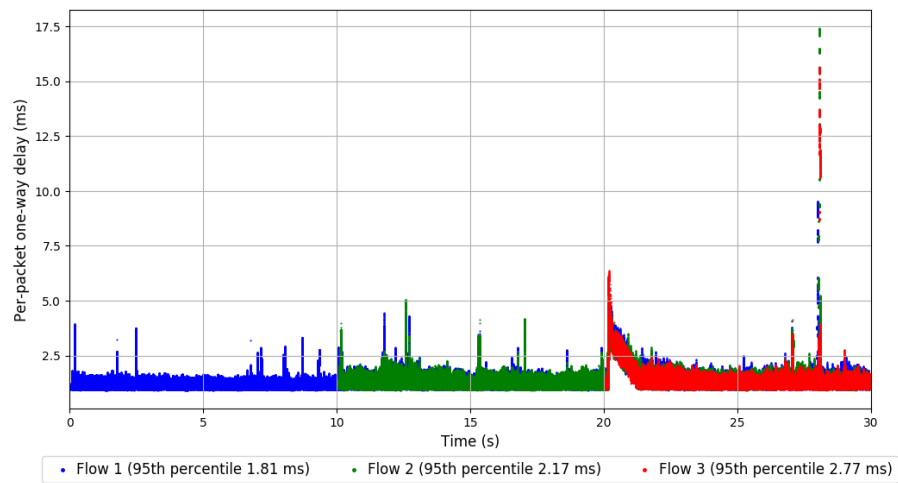
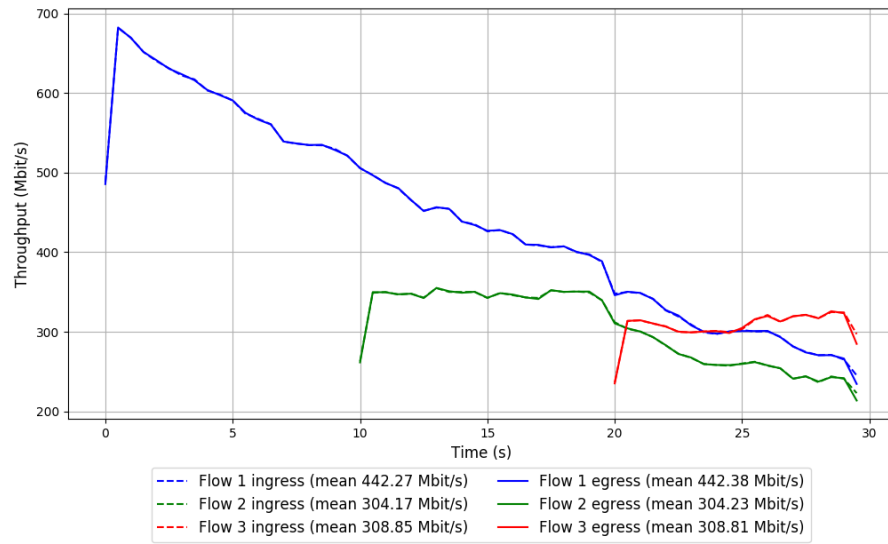


Run 8: Statistics of TCP Vegas

Start at: 2018-03-13 17:33:14
End at: 2018-03-13 17:33:44
Local clock offset: 1.281 ms
Remote clock offset: -7.749 ms

Below is generated by plot.py at 2018-03-14 01:28:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 747.18 Mbit/s
95th percentile per-packet one-way delay: 2.002 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 442.38 Mbit/s
95th percentile per-packet one-way delay: 1.812 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 304.23 Mbit/s
95th percentile per-packet one-way delay: 2.172 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 308.81 Mbit/s
95th percentile per-packet one-way delay: 2.765 ms
Loss rate: 0.22%

Run 8: Report of TCP Vegas — Data Link

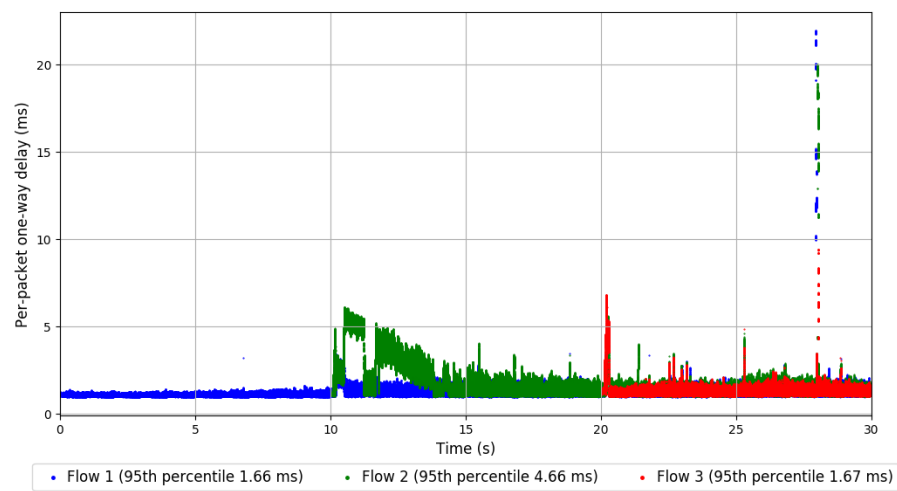
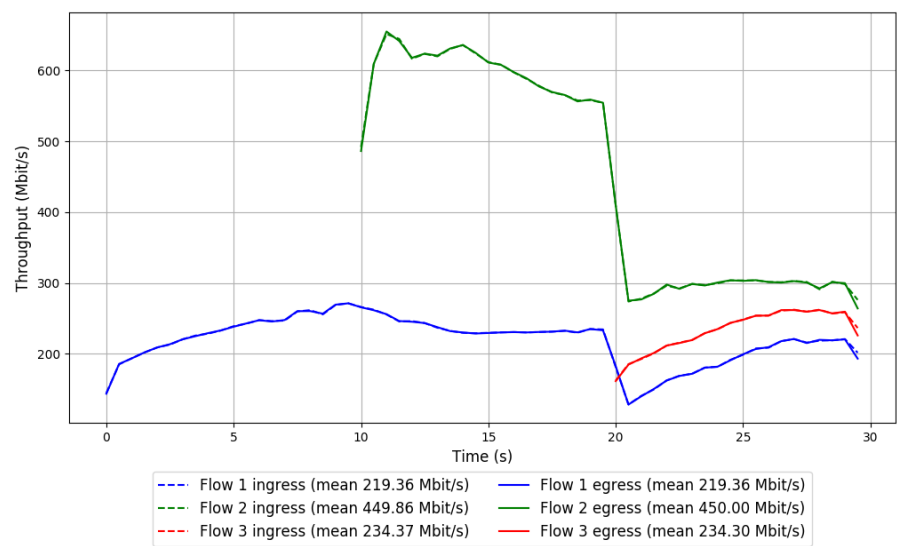


Run 9: Statistics of TCP Vegas

Start at: 2018-03-13 18:02:41
End at: 2018-03-13 18:03:11
Local clock offset: 1.064 ms
Remote clock offset: -4.808 ms

Below is generated by plot.py at 2018-03-14 01:28:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 596.36 Mbit/s
95th percentile per-packet one-way delay: 3.584 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 219.36 Mbit/s
95th percentile per-packet one-way delay: 1.657 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 450.00 Mbit/s
95th percentile per-packet one-way delay: 4.657 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 234.30 Mbit/s
95th percentile per-packet one-way delay: 1.673 ms
Loss rate: 0.23%

Run 9: Report of TCP Vegas — Data Link

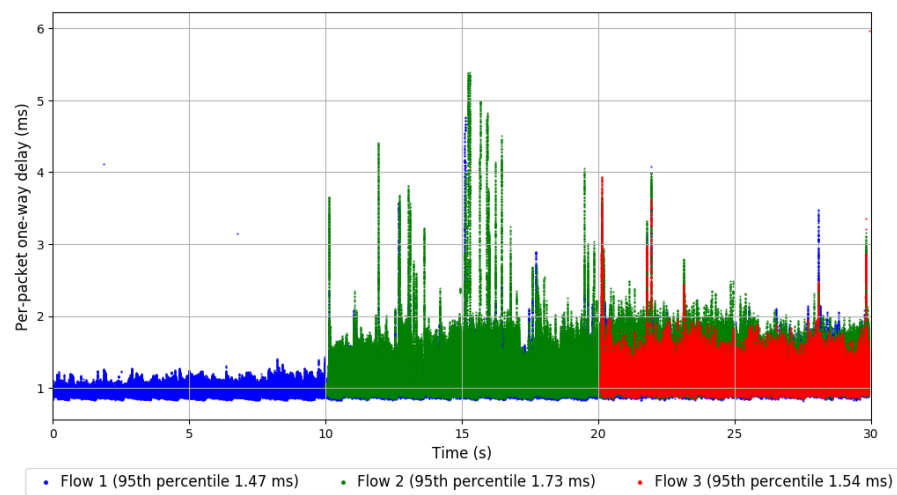
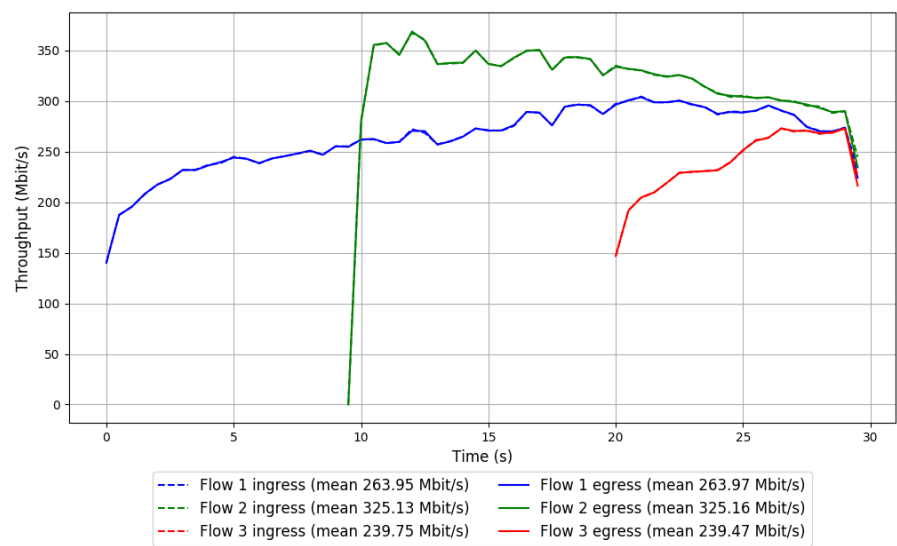


Run 10: Statistics of TCP Vegas

Start at: 2018-03-13 18:32:10
End at: 2018-03-13 18:32:40
Local clock offset: 0.981 ms
Remote clock offset: -4.848 ms

Below is generated by plot.py at 2018-03-14 01:28:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 559.84 Mbit/s
95th percentile per-packet one-way delay: 1.614 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 263.97 Mbit/s
95th percentile per-packet one-way delay: 1.466 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 325.16 Mbit/s
95th percentile per-packet one-way delay: 1.734 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 239.47 Mbit/s
95th percentile per-packet one-way delay: 1.540 ms
Loss rate: 0.23%

Run 10: Report of TCP Vegas — Data Link

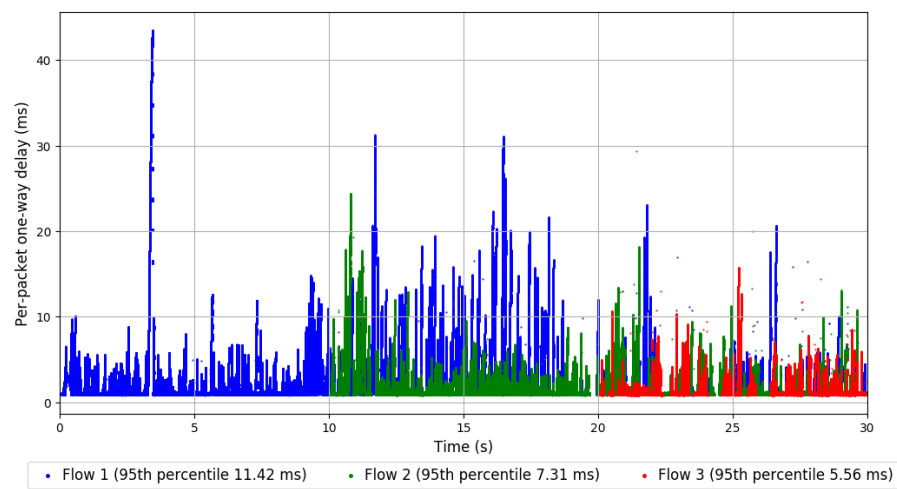
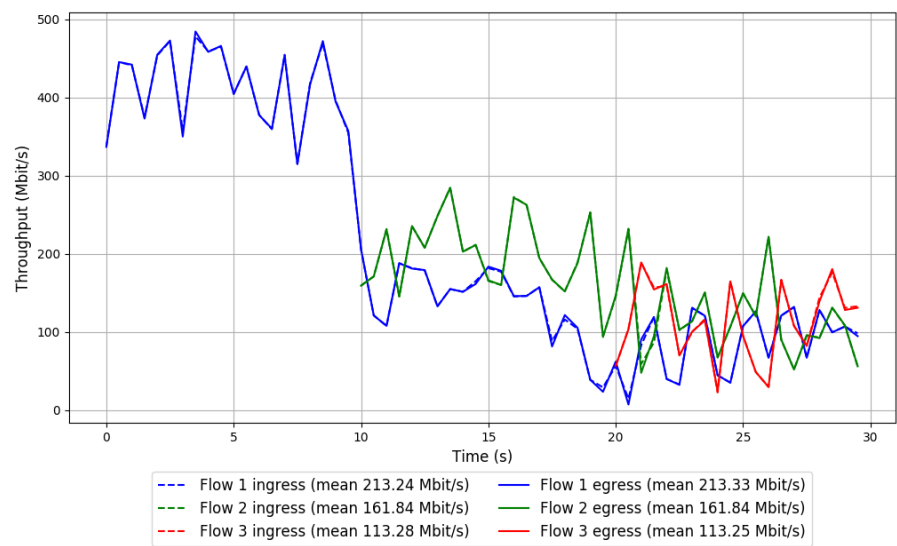


Run 1: Statistics of Verus

Start at: 2018-03-13 14:26:23
End at: 2018-03-13 14:26:53
Local clock offset: 2.147 ms
Remote clock offset: -6.105 ms

Below is generated by plot.py at 2018-03-14 01:28:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.20 Mbit/s
95th percentile per-packet one-way delay: 9.658 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 213.33 Mbit/s
95th percentile per-packet one-way delay: 11.420 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 161.84 Mbit/s
95th percentile per-packet one-way delay: 7.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.25 Mbit/s
95th percentile per-packet one-way delay: 5.560 ms
Loss rate: 0.22%

Run 1: Report of Verus — Data Link

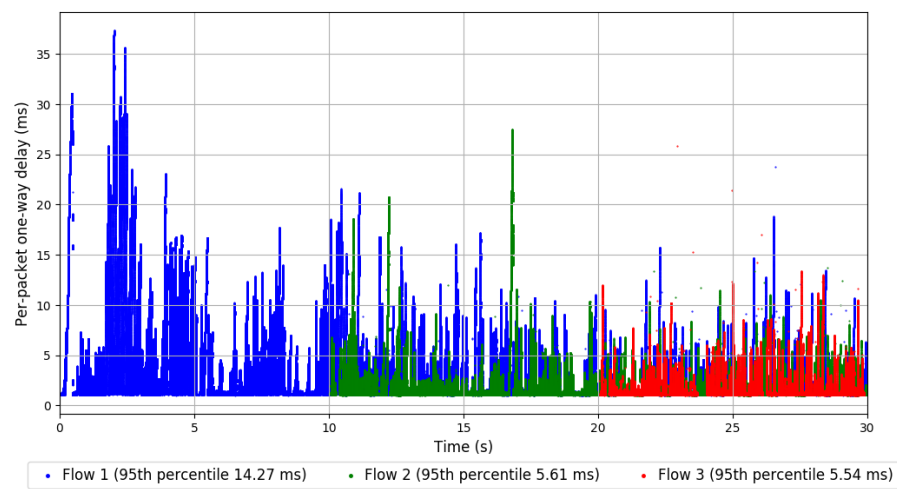
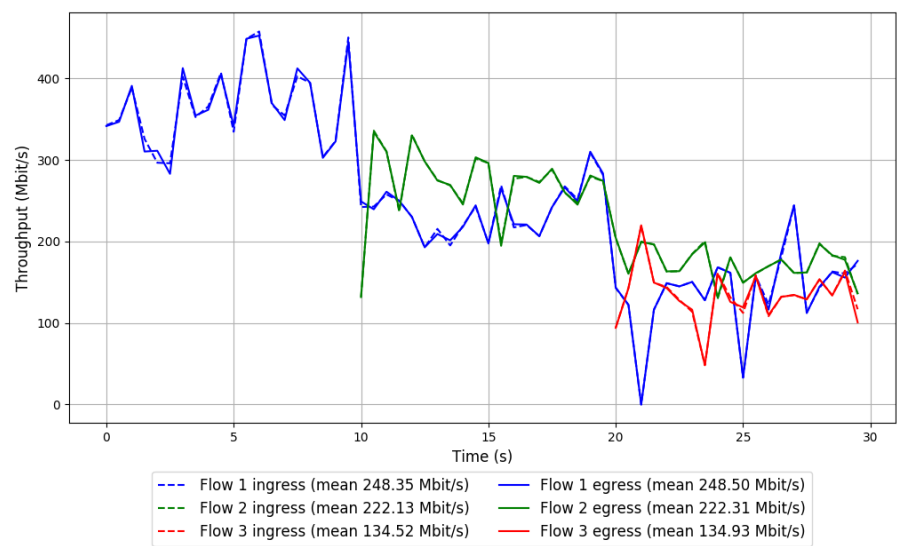


Run 2: Statistics of Verus

Start at: 2018-03-13 14:55:38
End at: 2018-03-13 14:56:08
Local clock offset: 2.698 ms
Remote clock offset: -6.049 ms

Below is generated by plot.py at 2018-03-14 01:28:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 440.86 Mbit/s
95th percentile per-packet one-way delay: 11.848 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 248.50 Mbit/s
95th percentile per-packet one-way delay: 14.271 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 222.31 Mbit/s
95th percentile per-packet one-way delay: 5.607 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 134.93 Mbit/s
95th percentile per-packet one-way delay: 5.535 ms
Loss rate: 0.67%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-03-13 15:25:21

End at: 2018-03-13 15:25:51

Local clock offset: 1.342 ms

Remote clock offset: -5.8 ms

Below is generated by plot.py at 2018-03-14 01:28:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 420.15 Mbit/s

95th percentile per-packet one-way delay: 12.822 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 248.36 Mbit/s

95th percentile per-packet one-way delay: 15.384 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 190.41 Mbit/s

95th percentile per-packet one-way delay: 7.491 ms

Loss rate: 0.03%

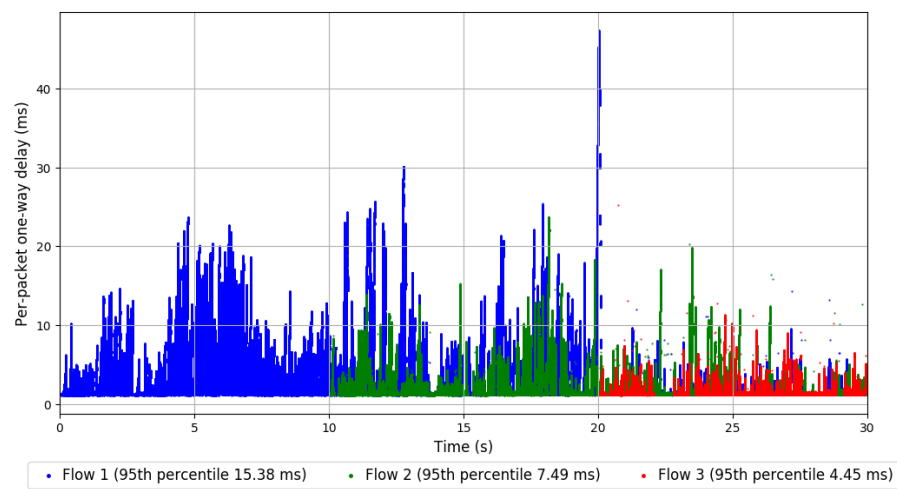
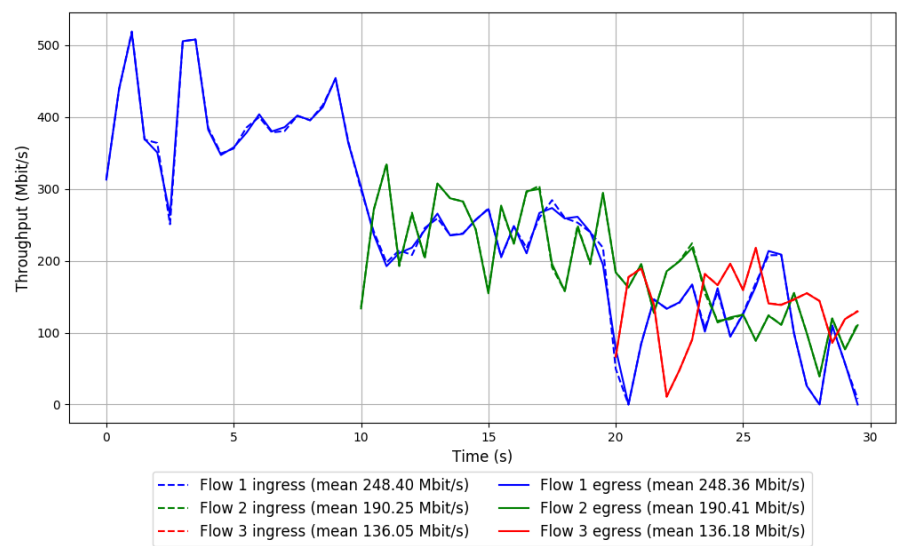
-- Flow 3:

Average throughput: 136.18 Mbit/s

95th percentile per-packet one-way delay: 4.453 ms

Loss rate: 0.03%

Run 3: Report of Verus — Data Link

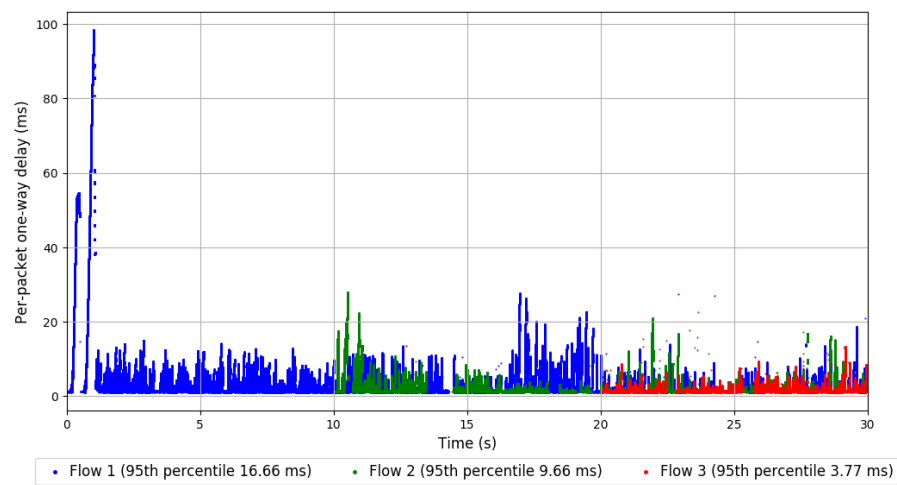
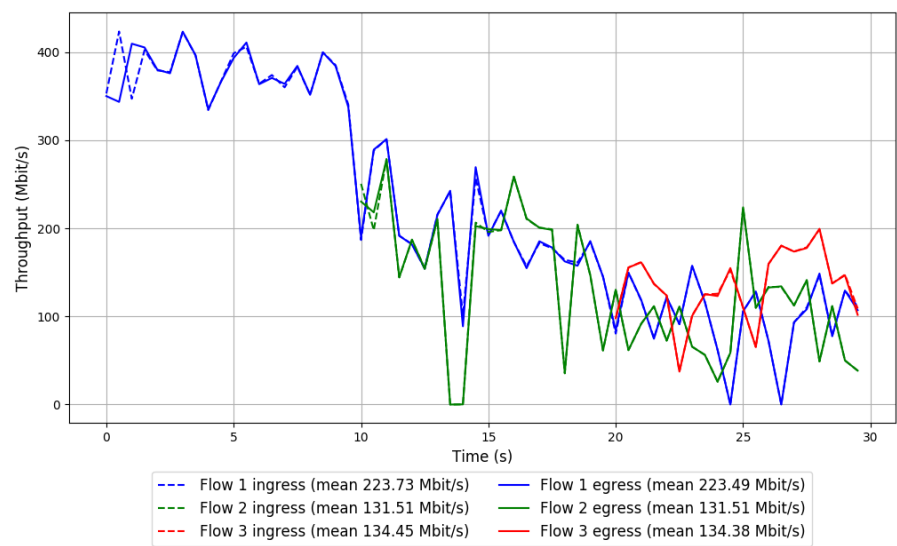


Run 4: Statistics of Verus

Start at: 2018-03-13 15:54:48
End at: 2018-03-13 15:55:18
Local clock offset: 0.208 ms
Remote clock offset: -4.387 ms

Below is generated by plot.py at 2018-03-14 01:28:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.40 Mbit/s
95th percentile per-packet one-way delay: 11.889 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 223.49 Mbit/s
95th percentile per-packet one-way delay: 16.658 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 131.51 Mbit/s
95th percentile per-packet one-way delay: 9.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.38 Mbit/s
95th percentile per-packet one-way delay: 3.766 ms
Loss rate: 0.30%

Run 4: Report of Verus — Data Link

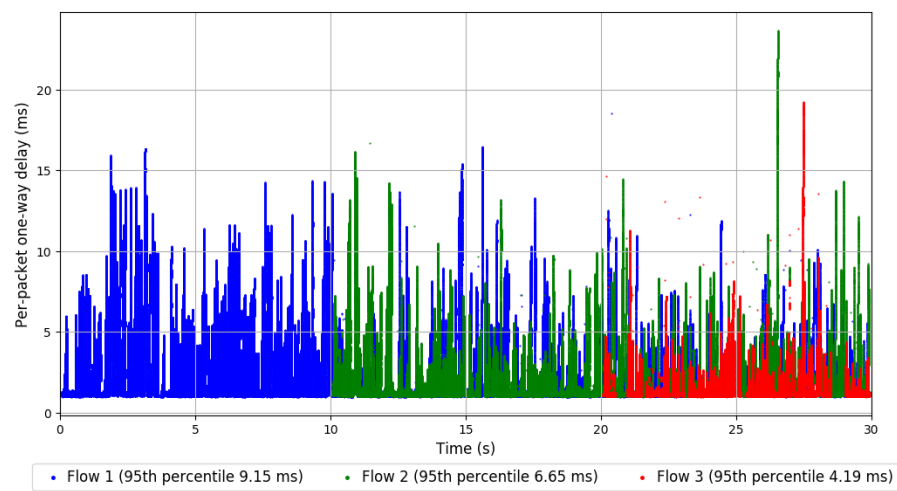
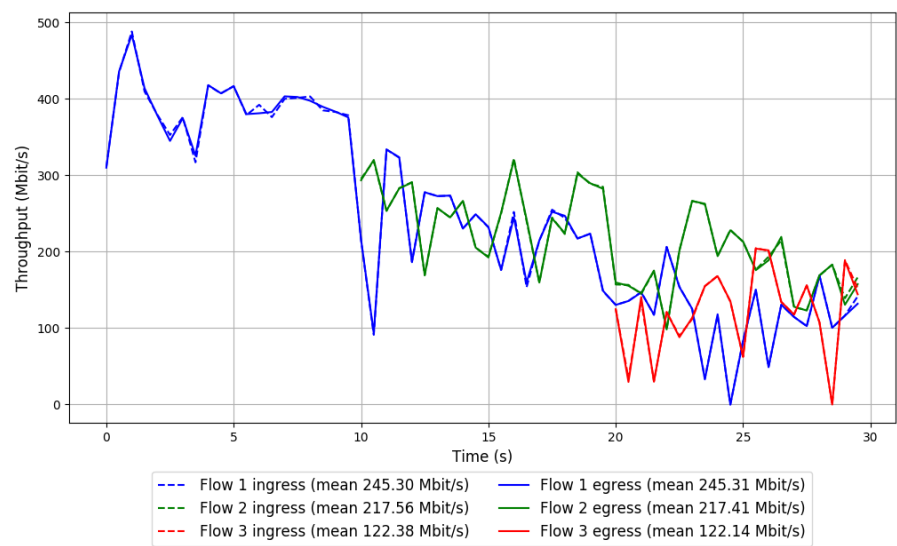


Run 5: Statistics of Verus

Start at: 2018-03-13 16:23:55
End at: 2018-03-13 16:24:25
Local clock offset: -0.477 ms
Remote clock offset: -3.827 ms

Below is generated by plot.py at 2018-03-14 01:30:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.42 Mbit/s
95th percentile per-packet one-way delay: 8.148 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 245.31 Mbit/s
95th percentile per-packet one-way delay: 9.153 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 217.41 Mbit/s
95th percentile per-packet one-way delay: 6.651 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 122.14 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.36%

Run 5: Report of Verus — Data Link

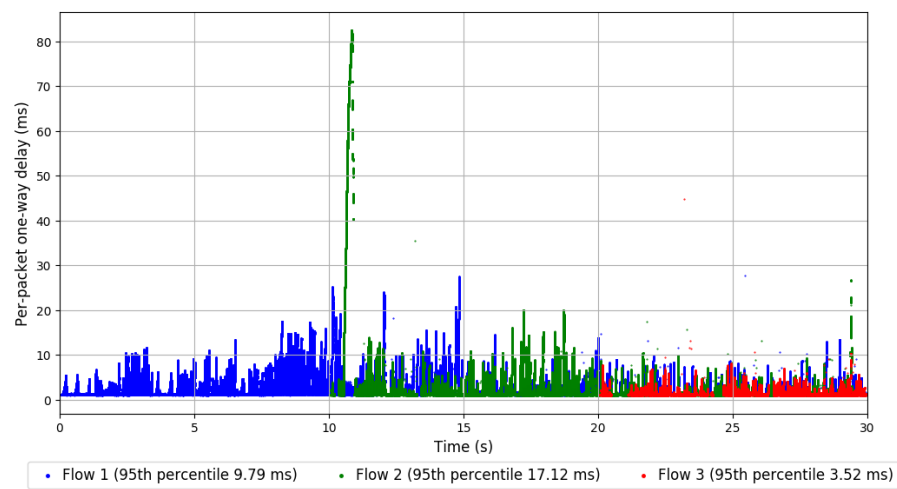
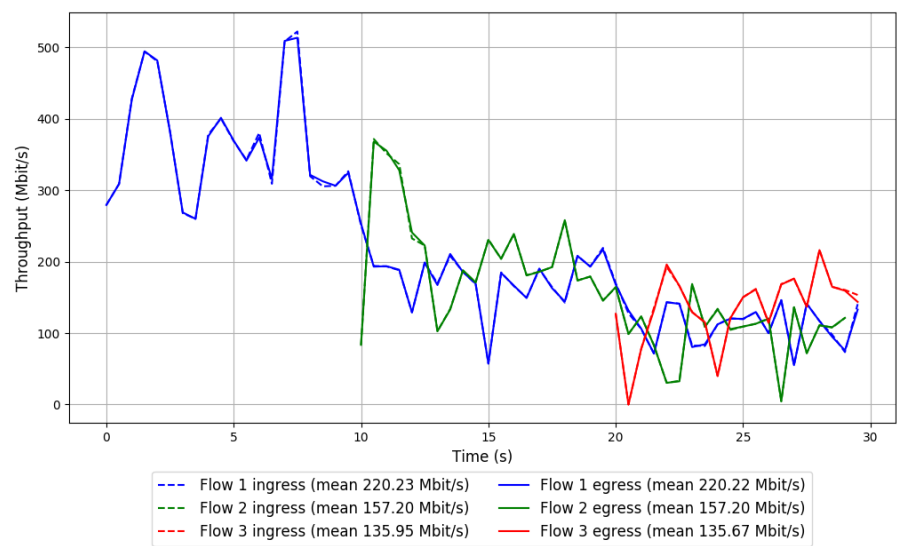


Run 6: Statistics of Verus

Start at: 2018-03-13 16:53:08
End at: 2018-03-13 16:53:38
Local clock offset: -0.984 ms
Remote clock offset: -6.53 ms

Below is generated by plot.py at 2018-03-14 01:30:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.43 Mbit/s
95th percentile per-packet one-way delay: 9.974 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 220.22 Mbit/s
95th percentile per-packet one-way delay: 9.793 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 157.20 Mbit/s
95th percentile per-packet one-way delay: 17.119 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.67 Mbit/s
95th percentile per-packet one-way delay: 3.523 ms
Loss rate: 0.40%

Run 6: Report of Verus — Data Link

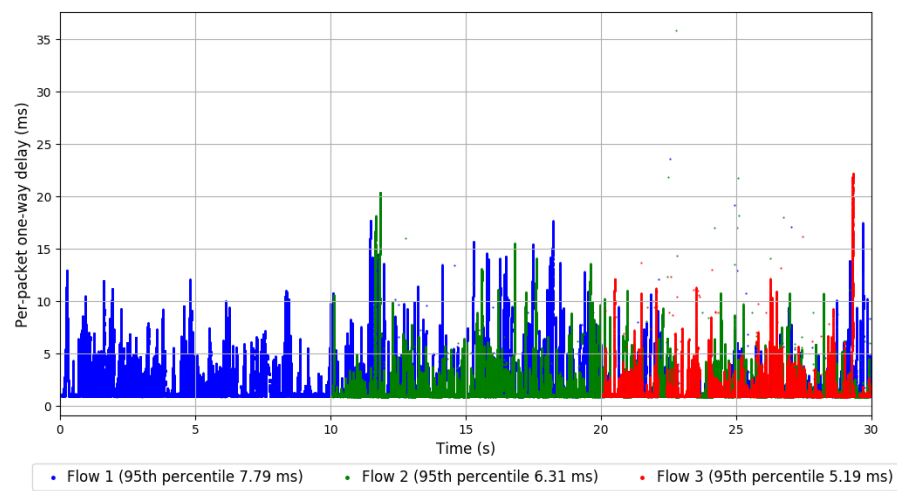
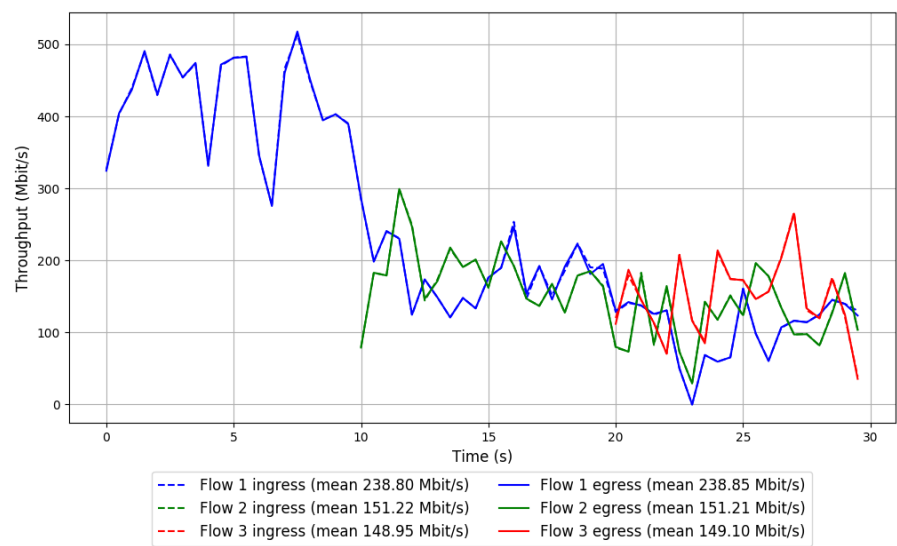


Run 7: Statistics of Verus

Start at: 2018-03-13 17:22:14
End at: 2018-03-13 17:22:44
Local clock offset: 1.13 ms
Remote clock offset: -7.521 ms

Below is generated by plot.py at 2018-03-14 01:31:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.78 Mbit/s
95th percentile per-packet one-way delay: 7.204 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 238.85 Mbit/s
95th percentile per-packet one-way delay: 7.787 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 151.21 Mbit/s
95th percentile per-packet one-way delay: 6.308 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.10 Mbit/s
95th percentile per-packet one-way delay: 5.194 ms
Loss rate: 0.11%

Run 7: Report of Verus — Data Link

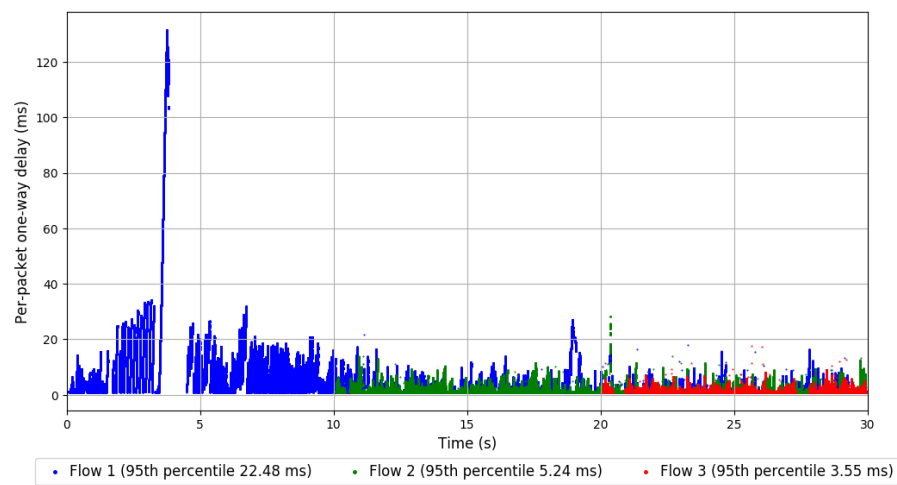
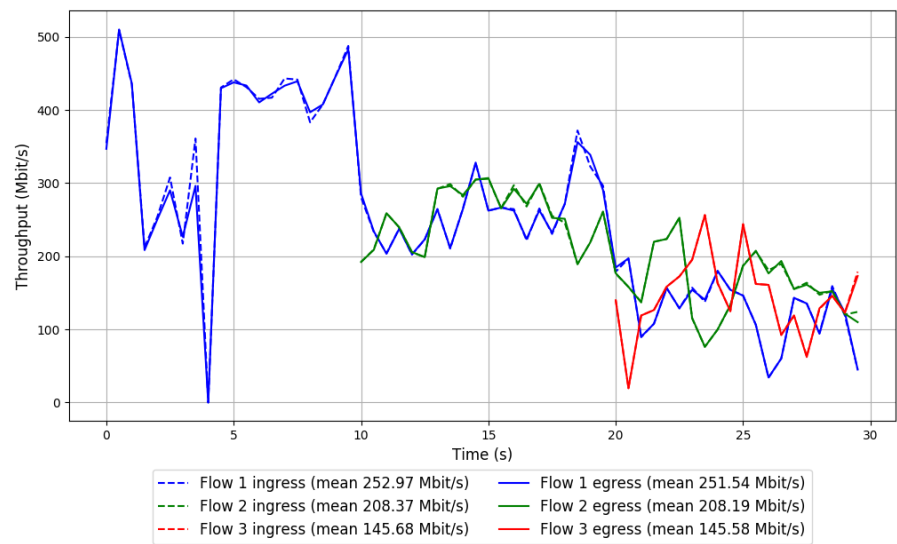


Run 8: Statistics of Verus

Start at: 2018-03-13 17:51:29
End at: 2018-03-13 17:51:59
Local clock offset: 1.009 ms
Remote clock offset: -5.535 ms

Below is generated by plot.py at 2018-03-14 01:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.23 Mbit/s
95th percentile per-packet one-way delay: 17.123 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 251.54 Mbit/s
95th percentile per-packet one-way delay: 22.477 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 208.19 Mbit/s
95th percentile per-packet one-way delay: 5.244 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 145.58 Mbit/s
95th percentile per-packet one-way delay: 3.551 ms
Loss rate: 0.22%

Run 8: Report of Verus — Data Link

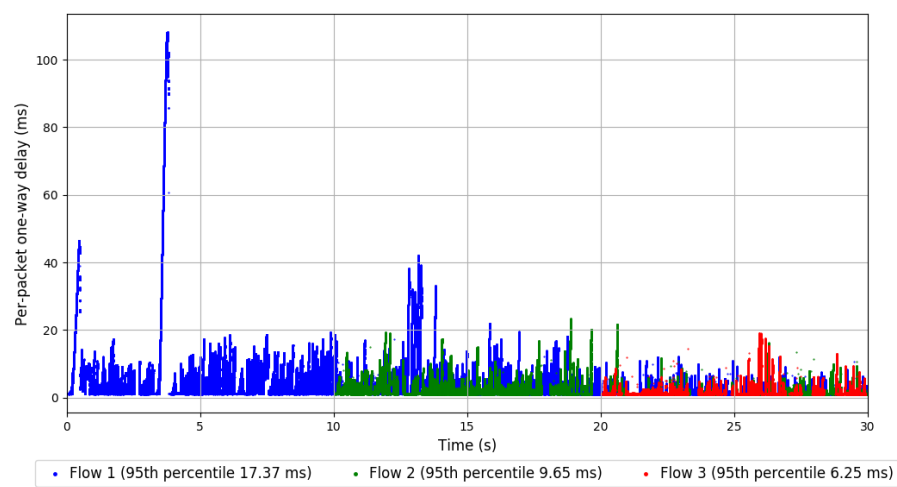
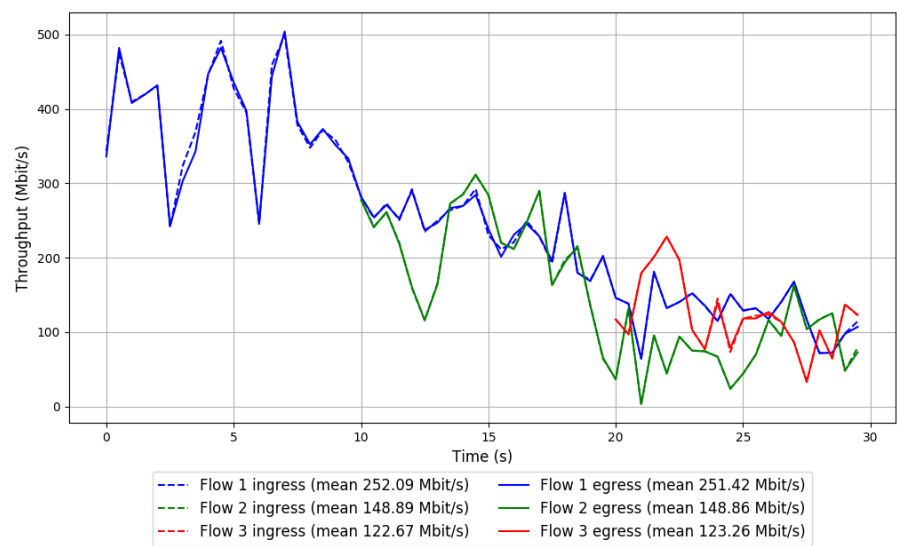


Run 9: Statistics of Verus

Start at: 2018-03-13 18:21:02
End at: 2018-03-13 18:21:32
Local clock offset: 1.072 ms
Remote clock offset: -4.782 ms

Below is generated by plot.py at 2018-03-14 01:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.25 Mbit/s
95th percentile per-packet one-way delay: 14.316 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 251.42 Mbit/s
95th percentile per-packet one-way delay: 17.370 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 148.86 Mbit/s
95th percentile per-packet one-way delay: 9.648 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 123.26 Mbit/s
95th percentile per-packet one-way delay: 6.251 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

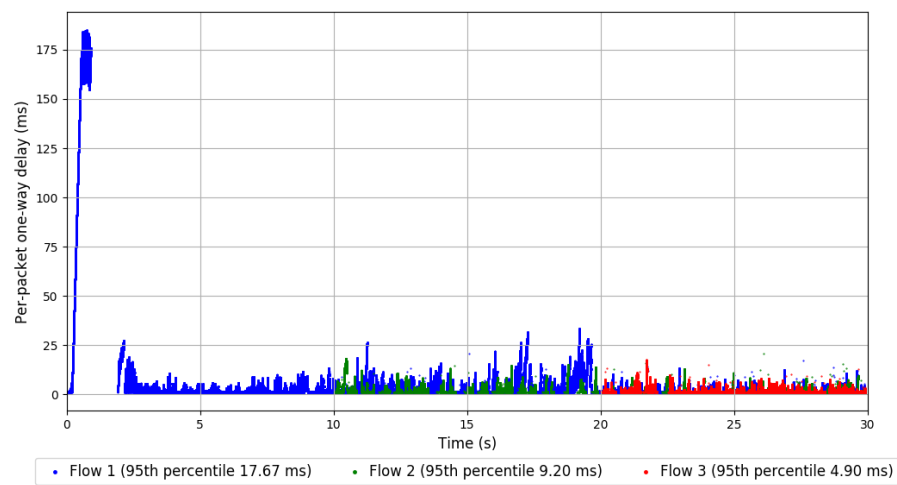
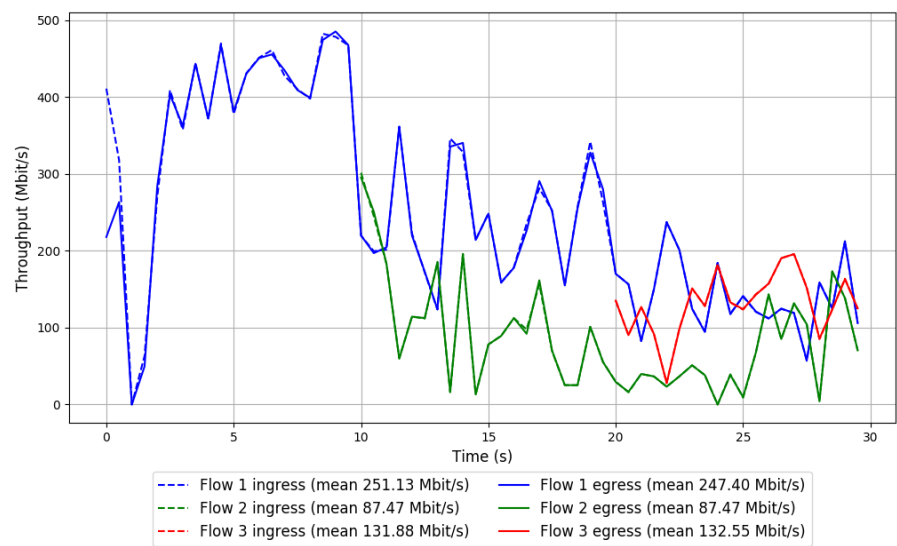


Run 10: Statistics of Verus

Start at: 2018-03-13 18:50:14
End at: 2018-03-13 18:50:44
Local clock offset: 1.237 ms
Remote clock offset: -4.889 ms

Below is generated by plot.py at 2018-03-14 01:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.28 Mbit/s
95th percentile per-packet one-way delay: 13.688 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 247.40 Mbit/s
95th percentile per-packet one-way delay: 17.670 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 9.197 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.55 Mbit/s
95th percentile per-packet one-way delay: 4.899 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

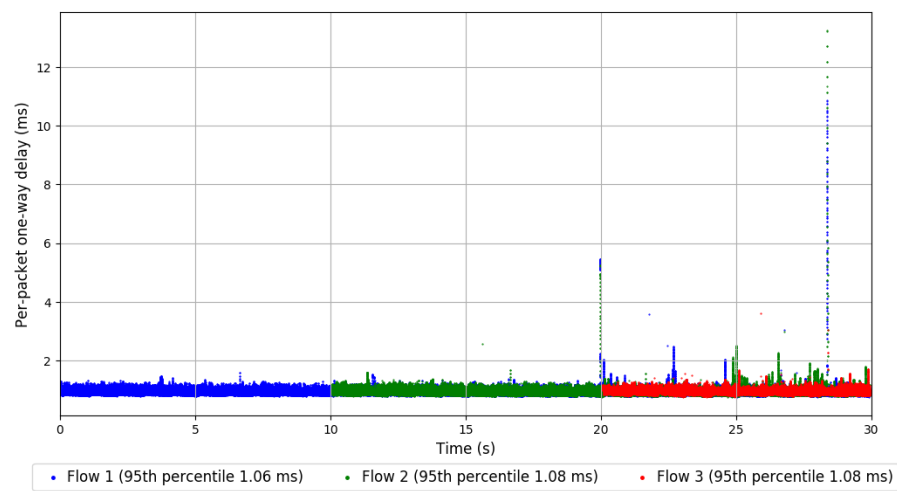
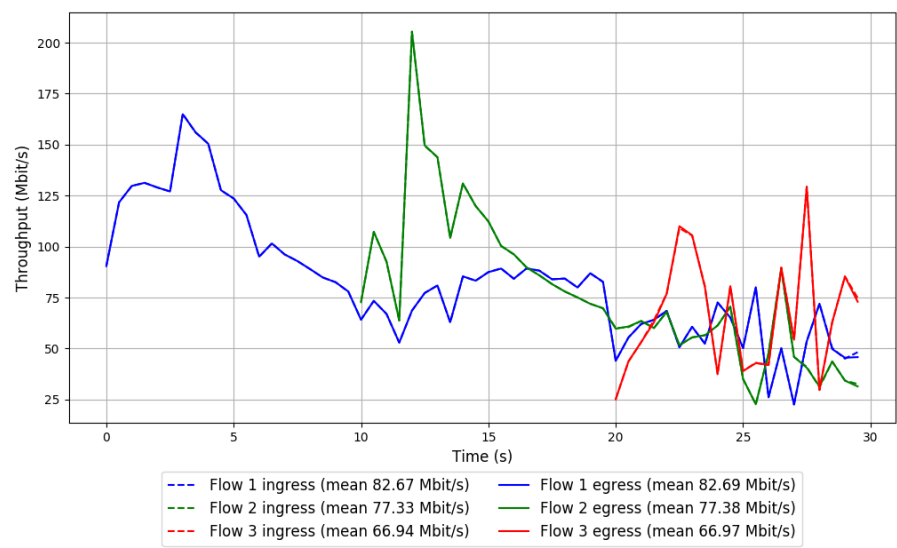


Run 1: Statistics of Copa

Start at: 2018-03-13 14:10:00
End at: 2018-03-13 14:10:30
Local clock offset: 1.55 ms
Remote clock offset: -6.462 ms

Below is generated by plot.py at 2018-03-14 01:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.24 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 82.69 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 77.38 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.15%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-13 14:39:19

End at: 2018-03-13 14:39:49

Local clock offset: 2.441 ms

Remote clock offset: -5.89 ms

Below is generated by plot.py at 2018-03-14 01:33:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 166.73 Mbit/s

95th percentile per-packet one-way delay: 1.163 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 86.21 Mbit/s

95th percentile per-packet one-way delay: 1.159 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 1.167 ms

Loss rate: 0.08%

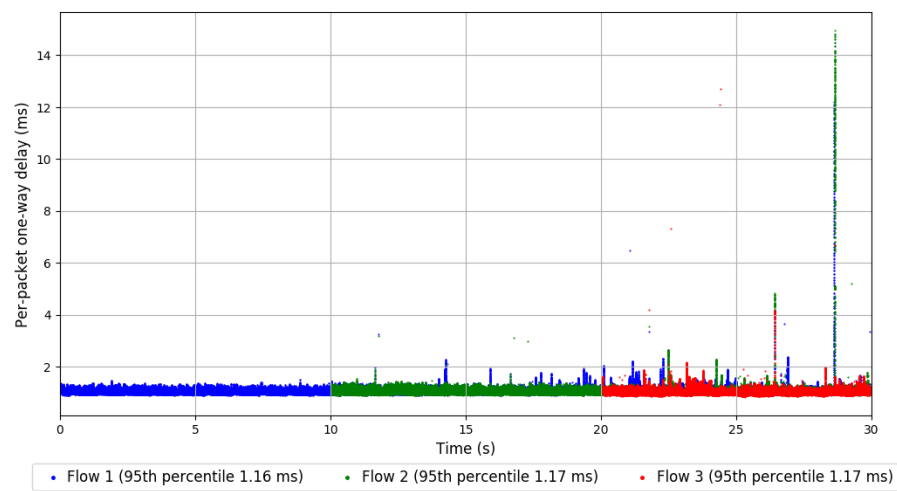
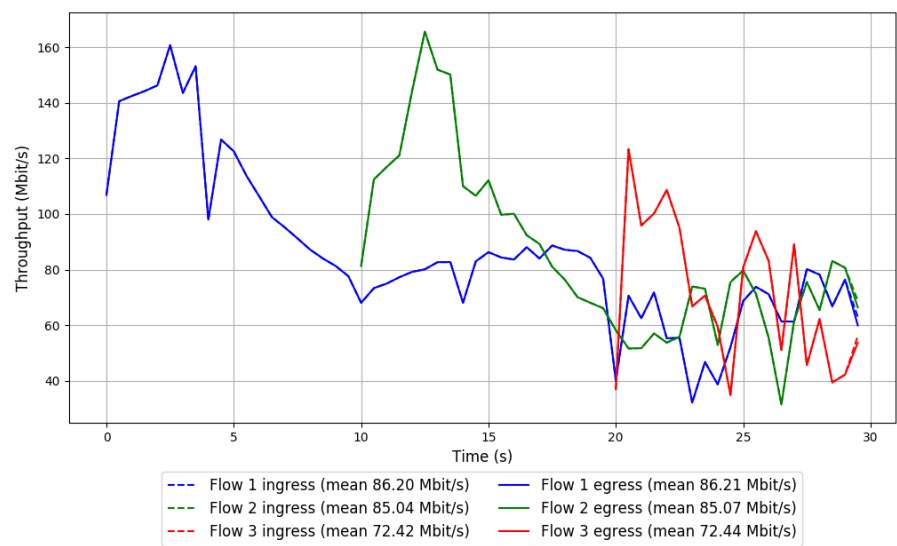
-- Flow 3:

Average throughput: 72.44 Mbit/s

95th percentile per-packet one-way delay: 1.170 ms

Loss rate: 0.17%

Run 2: Report of Copa — Data Link

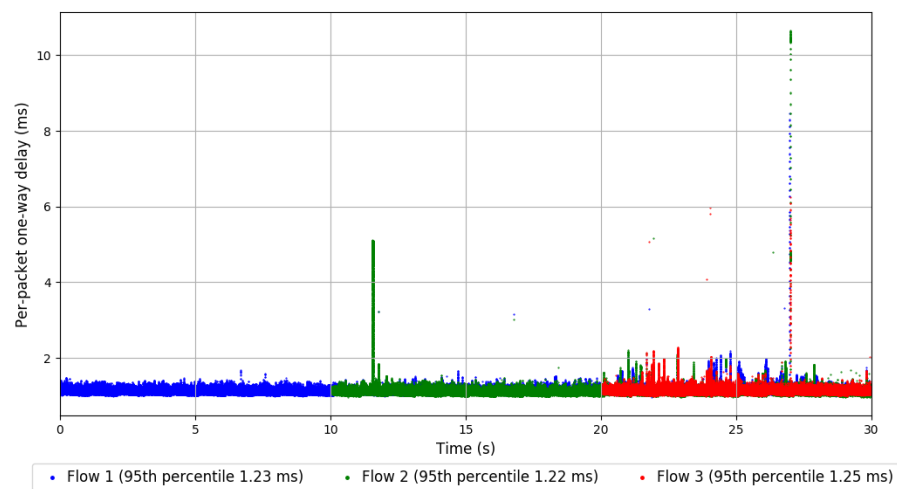
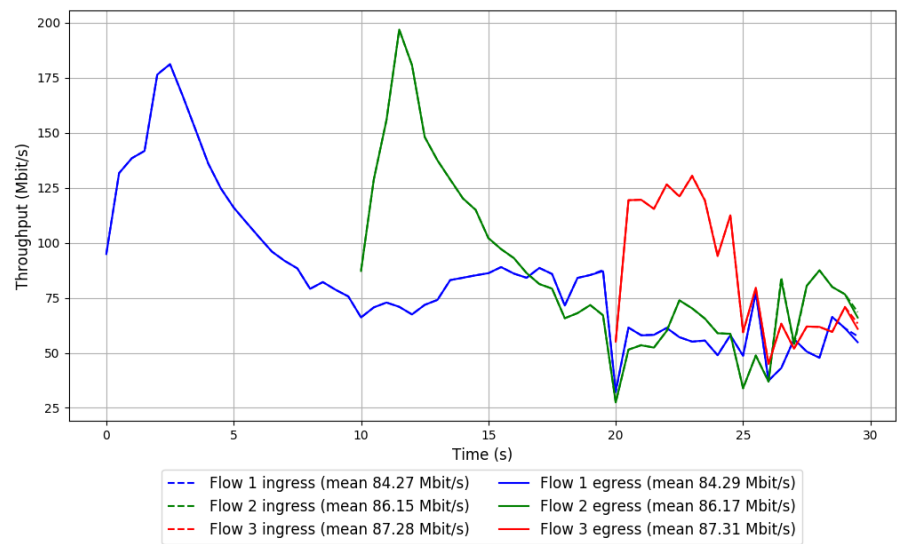


Run 3: Statistics of Copa

Start at: 2018-03-13 15:08:45
End at: 2018-03-13 15:09:15
Local clock offset: 2.825 ms
Remote clock offset: -6.173 ms

Below is generated by plot.py at 2018-03-14 01:34:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.42 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 86.17 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.15%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-03-13 15:38:18

End at: 2018-03-13 15:38:49

Local clock offset: 0.644 ms

Remote clock offset: -4.88 ms

Below is generated by plot.py at 2018-03-14 01:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.23 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 88.54 Mbit/s

95th percentile per-packet one-way delay: 1.252 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 85.57 Mbit/s

95th percentile per-packet one-way delay: 1.289 ms

Loss rate: 0.07%

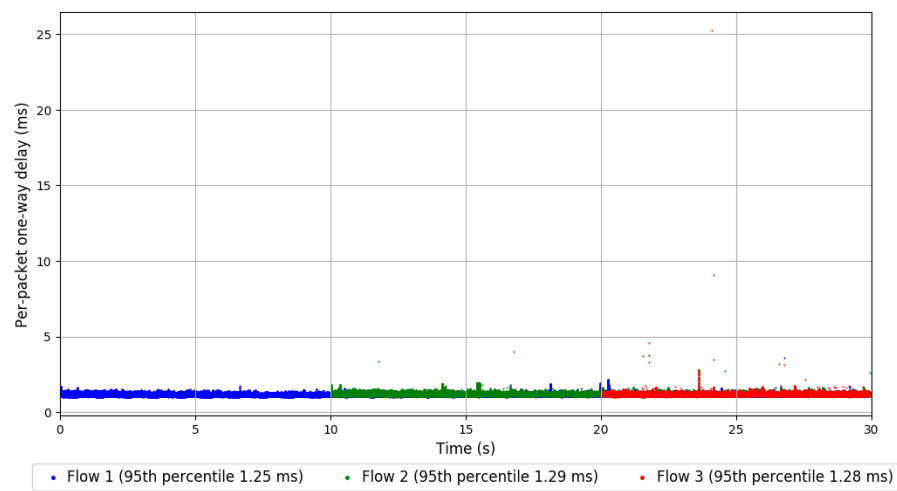
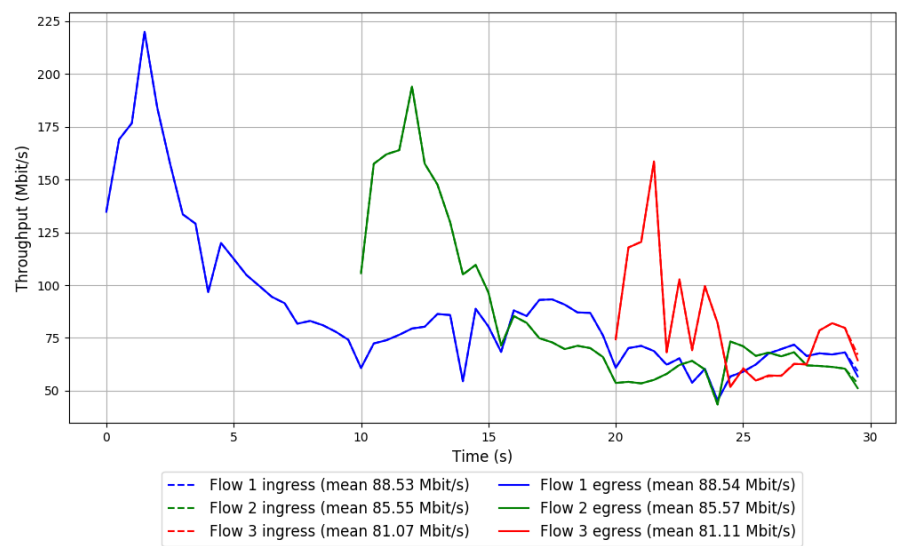
-- Flow 3:

Average throughput: 81.11 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.18%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-13 16:07:29

End at: 2018-03-13 16:07:59

Local clock offset: -0.104 ms

Remote clock offset: -4.15 ms

Below is generated by plot.py at 2018-03-14 01:35:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.81 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 86.61 Mbit/s

95th percentile per-packet one-way delay: 1.242 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 83.99 Mbit/s

95th percentile per-packet one-way delay: 1.263 ms

Loss rate: 0.06%

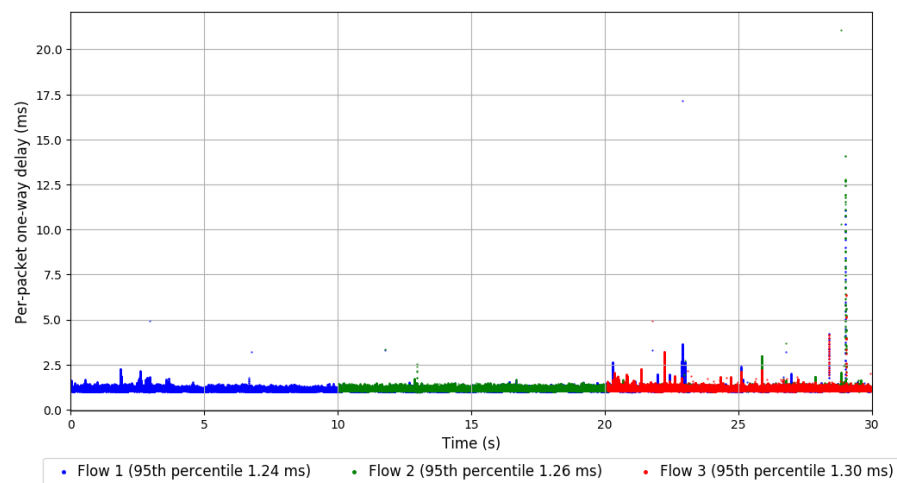
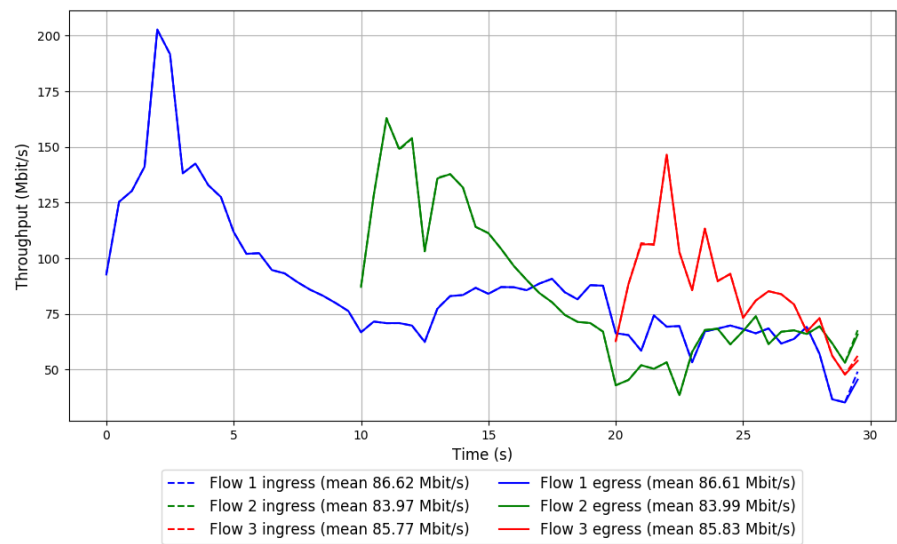
-- Flow 3:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 1.305 ms

Loss rate: 0.14%

Run 5: Report of Copa — Data Link

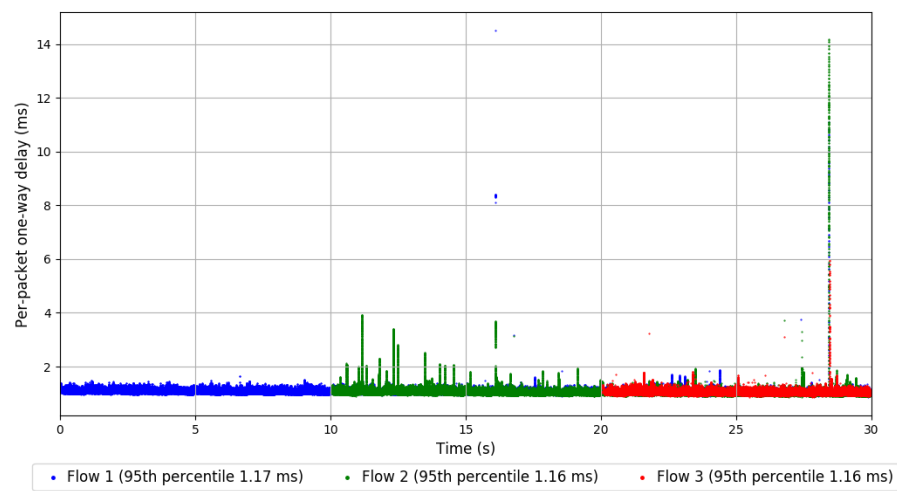
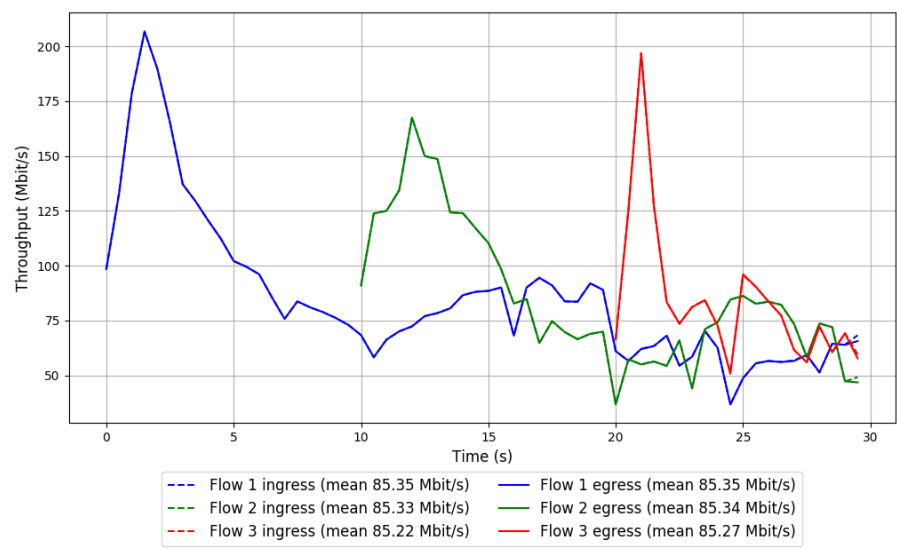


Run 6: Statistics of Copa

Start at: 2018-03-13 16:37:05
End at: 2018-03-13 16:37:35
Local clock offset: -0.703 ms
Remote clock offset: -5.101 ms

Below is generated by plot.py at 2018-03-14 01:36:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.32 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 85.34 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.12%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-03-13 17:06:01

End at: 2018-03-13 17:06:31

Local clock offset: 0.421 ms

Remote clock offset: -7.03 ms

Below is generated by plot.py at 2018-03-14 01:36:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 174.18 Mbit/s

95th percentile per-packet one-way delay: 1.099 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 87.53 Mbit/s

95th percentile per-packet one-way delay: 1.114 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 1.080 ms

Loss rate: 0.07%

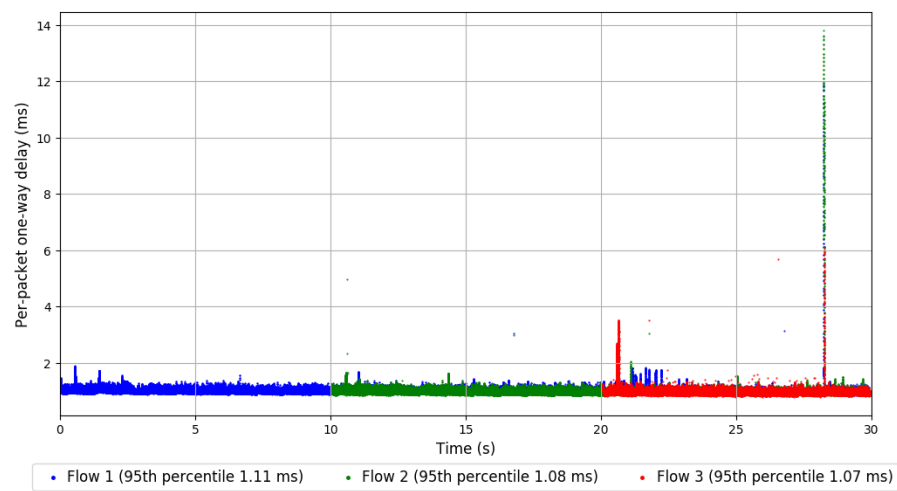
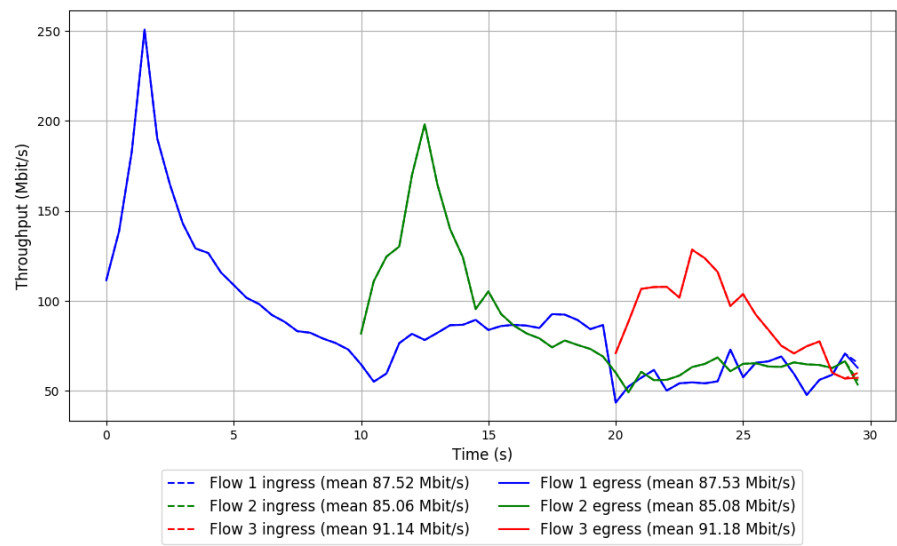
-- Flow 3:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 1.070 ms

Loss rate: 0.16%

Run 7: Report of Copa — Data Link

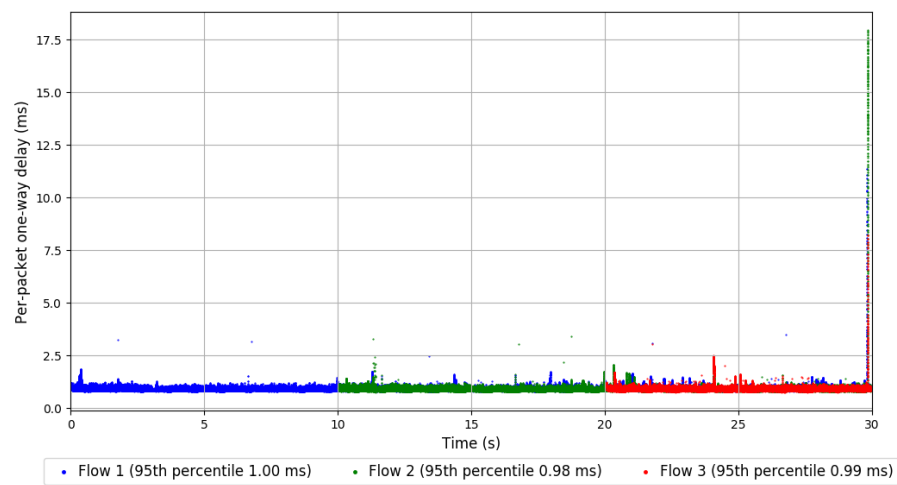
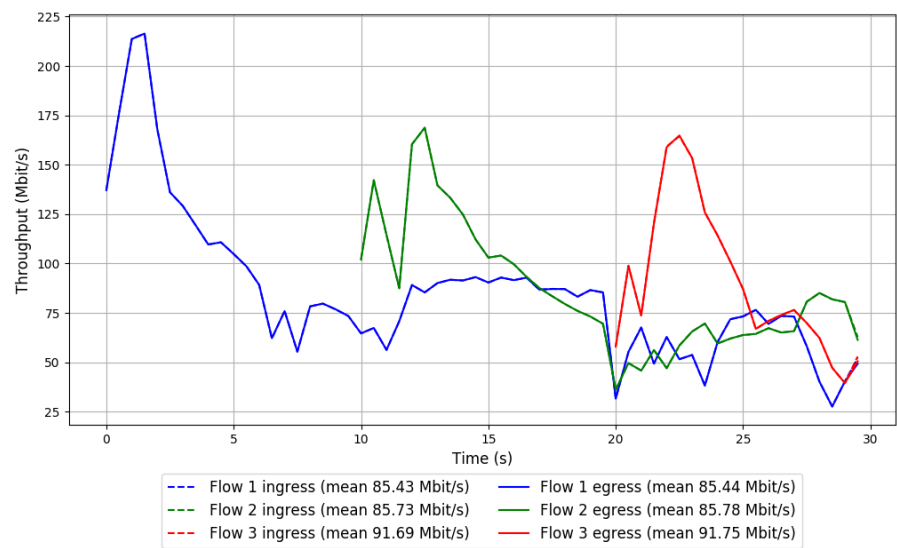


Run 8: Statistics of Copa

Start at: 2018-03-13 17:35:00
End at: 2018-03-13 17:35:30
Local clock offset: 1.105 ms
Remote clock offset: -7.767 ms

Below is generated by plot.py at 2018-03-14 01:36:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.81 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 85.44 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.14%

Run 8: Report of Copa — Data Link

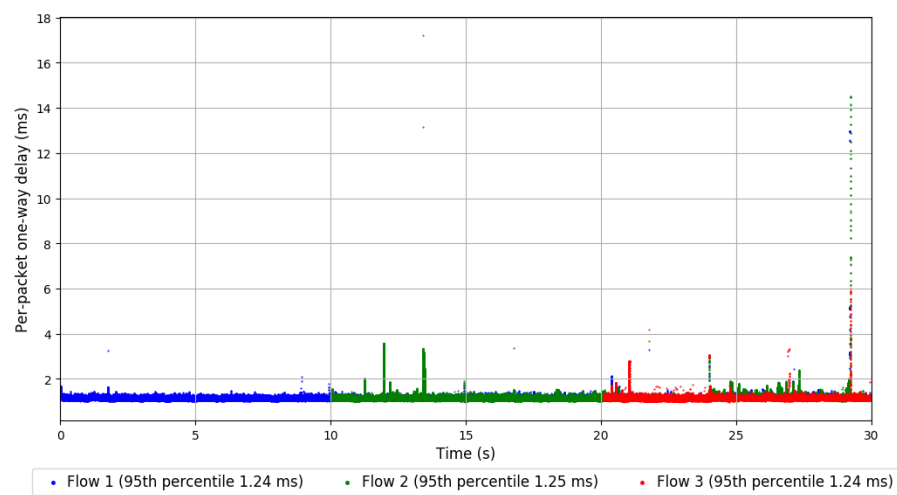
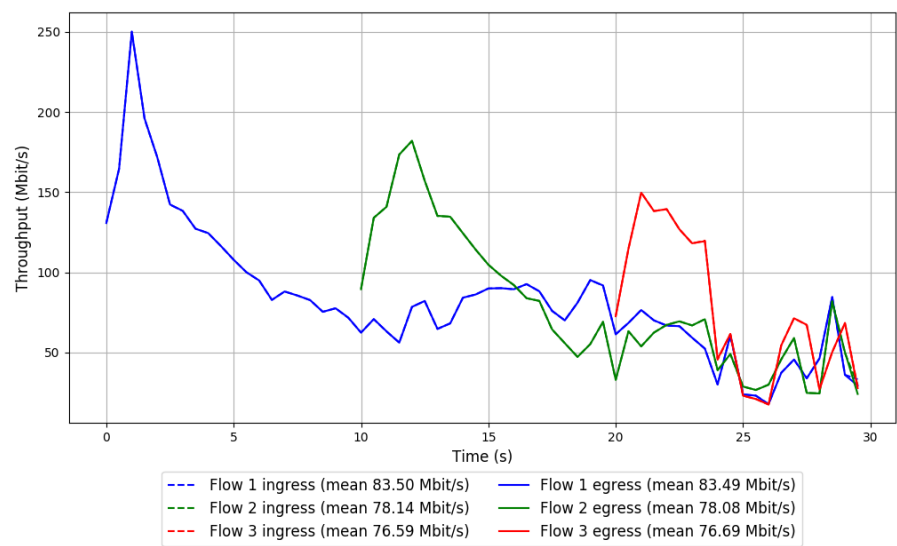


Run 9: Statistics of Copa

Start at: 2018-03-13 18:04:23
End at: 2018-03-13 18:04:53
Local clock offset: 1.151 ms
Remote clock offset: -4.729 ms

Below is generated by plot.py at 2018-03-14 01:37:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.70 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 78.08 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.06%

Run 9: Report of Copa — Data Link

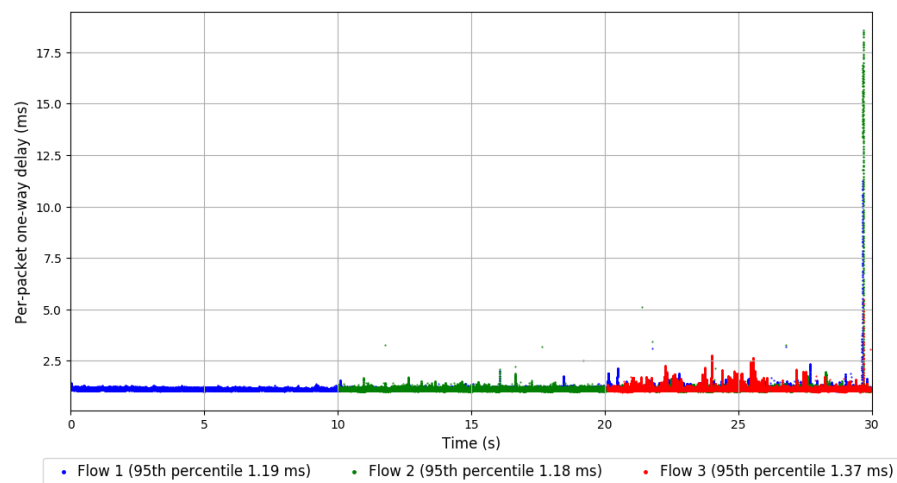
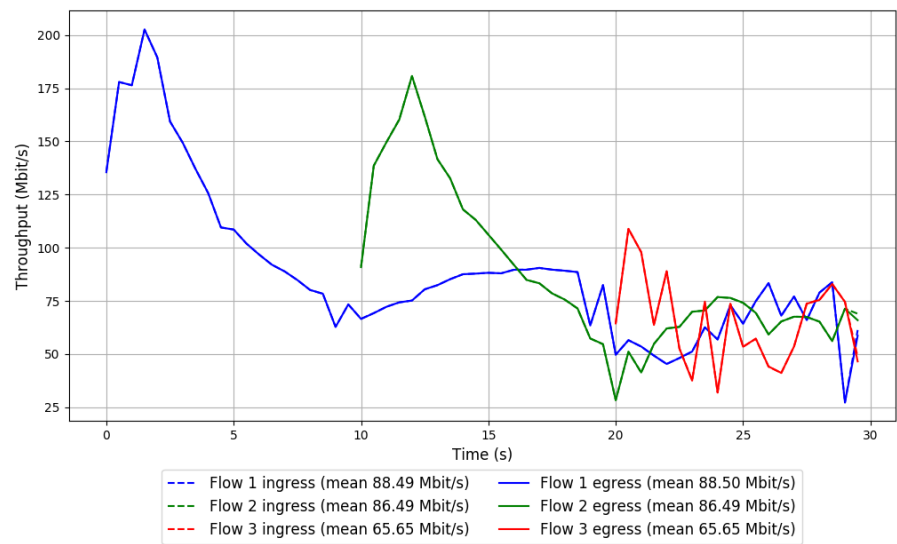


Run 10: Statistics of Copa

Start at: 2018-03-13 18:33:50
End at: 2018-03-13 18:34:20
Local clock offset: 1.129 ms
Remote clock offset: -4.895 ms

Below is generated by plot.py at 2018-03-14 01:37:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.70 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 1.367 ms
Loss rate: 0.18%

Run 10: Report of Copa — Data Link

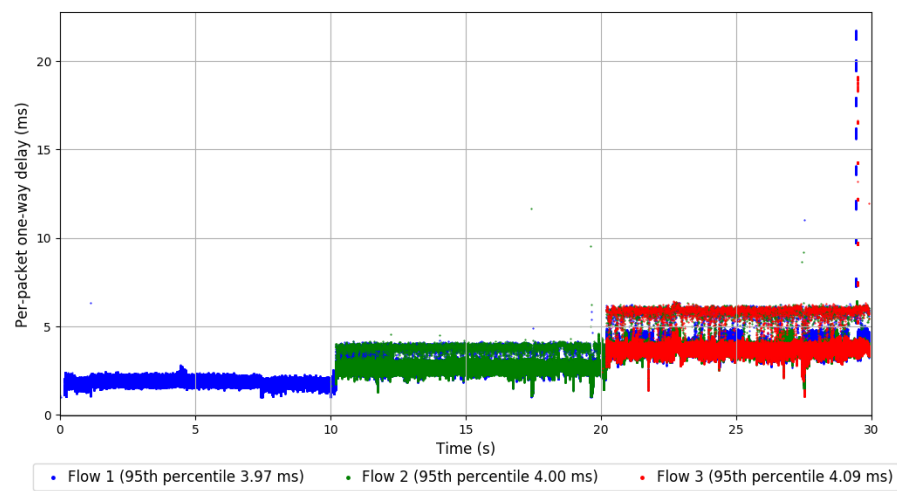
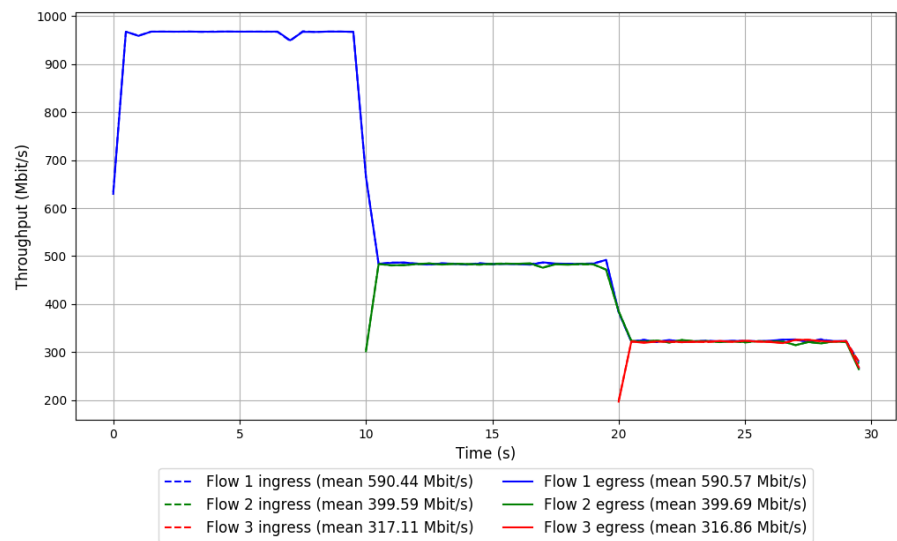


Run 1: Statistics of FillP

Start at: 2018-03-13 14:18:26
End at: 2018-03-13 14:18:56
Local clock offset: 2.023 ms
Remote clock offset: -6.378 ms

Below is generated by plot.py at 2018-03-14 01:49:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.88 Mbit/s
95th percentile per-packet one-way delay: 4.006 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 590.57 Mbit/s
95th percentile per-packet one-way delay: 3.968 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.69 Mbit/s
95th percentile per-packet one-way delay: 4.001 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.86 Mbit/s
95th percentile per-packet one-way delay: 4.087 ms
Loss rate: 0.23%

Run 1: Report of FillP — Data Link

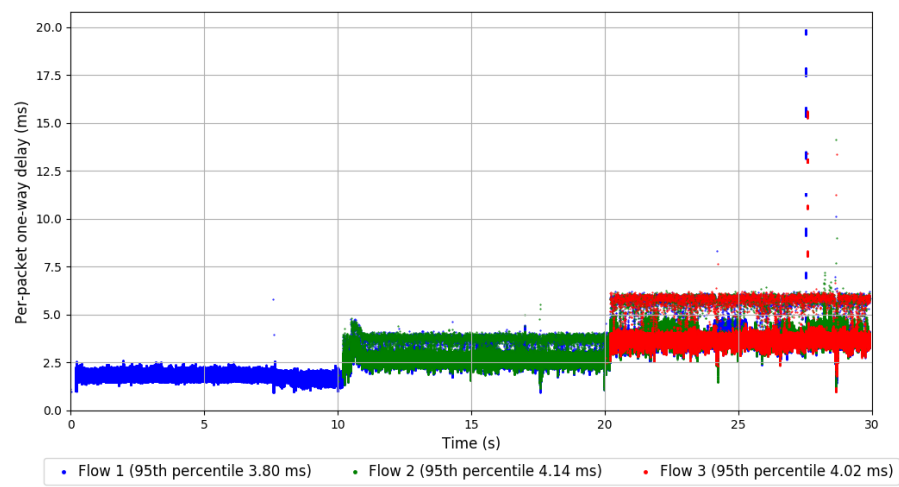
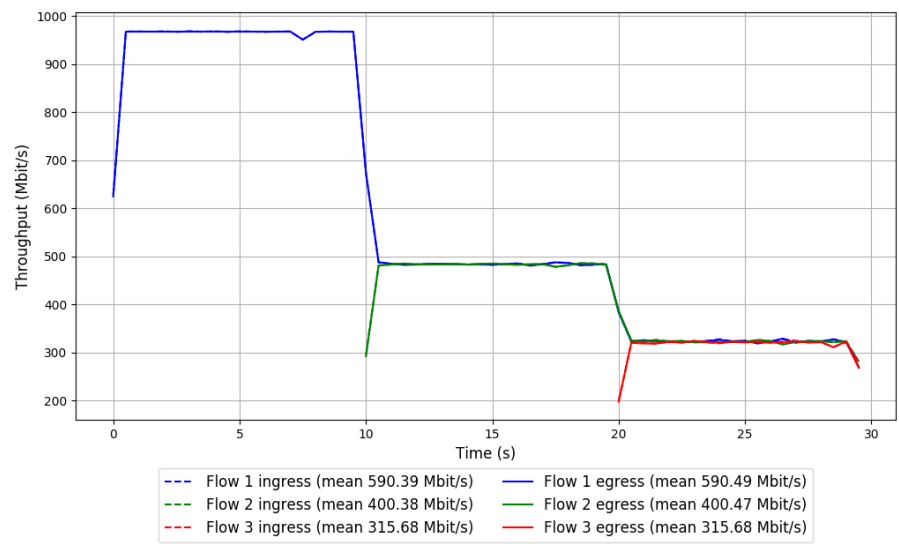


Run 2: Statistics of FillP

Start at: 2018-03-13 14:47:46
End at: 2018-03-13 14:48:16
Local clock offset: 2.585 ms
Remote clock offset: -5.731 ms

Below is generated by plot.py at 2018-03-14 01:49:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 961.13 Mbit/s
95th percentile per-packet one-way delay: 3.943 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 590.49 Mbit/s
95th percentile per-packet one-way delay: 3.797 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.47 Mbit/s
95th percentile per-packet one-way delay: 4.139 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.68 Mbit/s
95th percentile per-packet one-way delay: 4.023 ms
Loss rate: 0.21%

Run 2: Report of FillP — Data Link

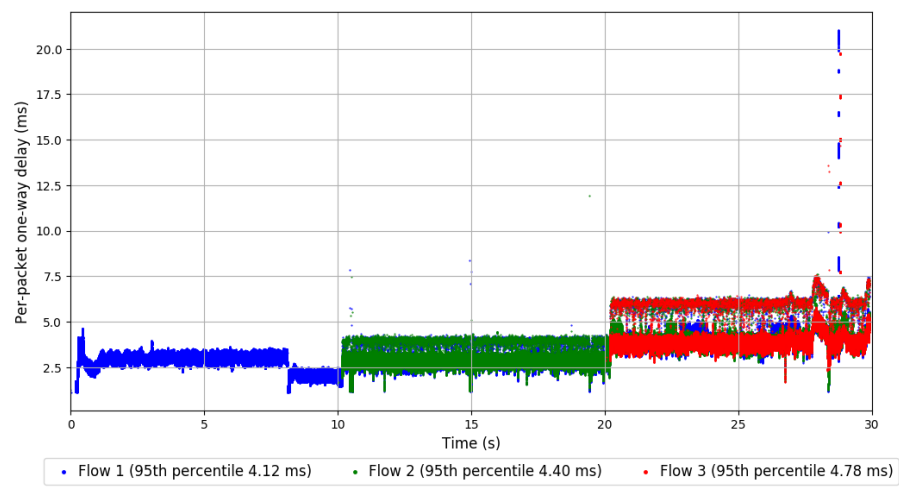
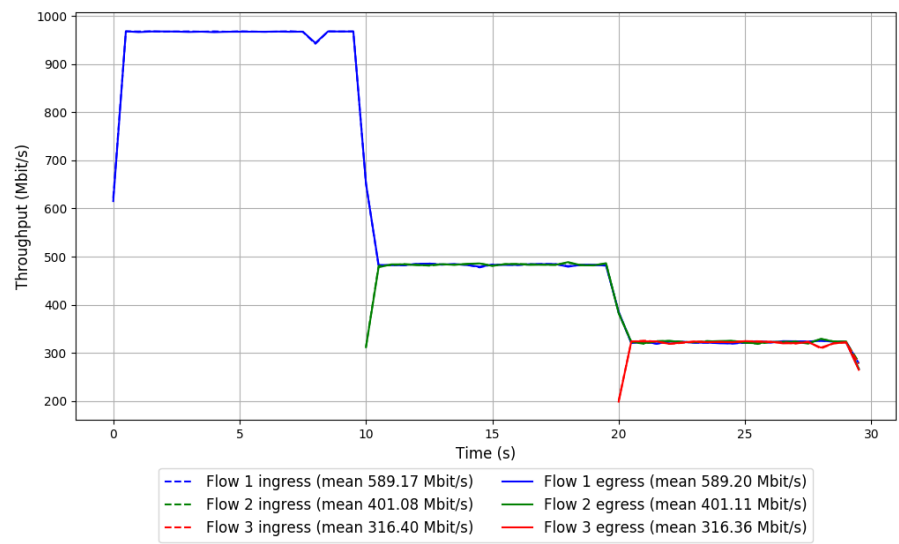


Run 3: Statistics of FillP

Start at: 2018-03-13 15:17:25
End at: 2018-03-13 15:17:55
Local clock offset: 2.215 ms
Remote clock offset: -6.159 ms

Below is generated by plot.py at 2018-03-14 01:50:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.57 Mbit/s
95th percentile per-packet one-way delay: 4.263 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 589.20 Mbit/s
95th percentile per-packet one-way delay: 4.115 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 401.11 Mbit/s
95th percentile per-packet one-way delay: 4.404 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.36 Mbit/s
95th percentile per-packet one-way delay: 4.777 ms
Loss rate: 0.23%

Run 3: Report of FillP — Data Link

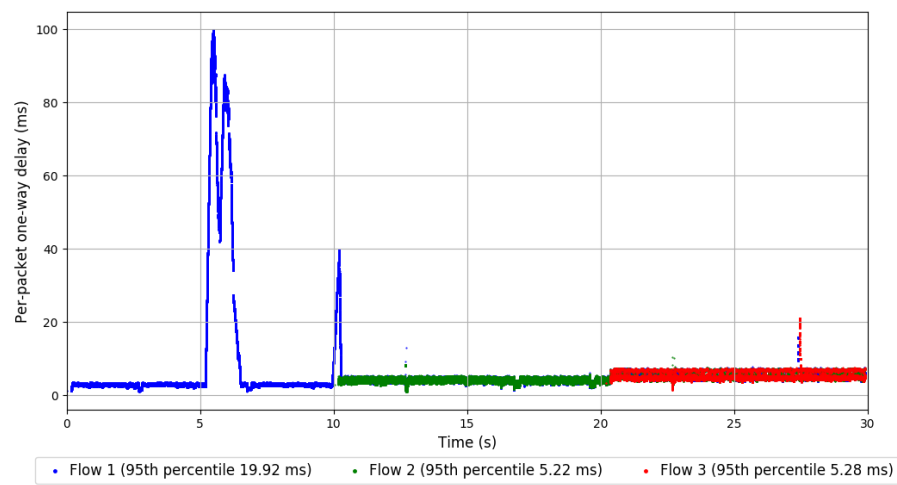
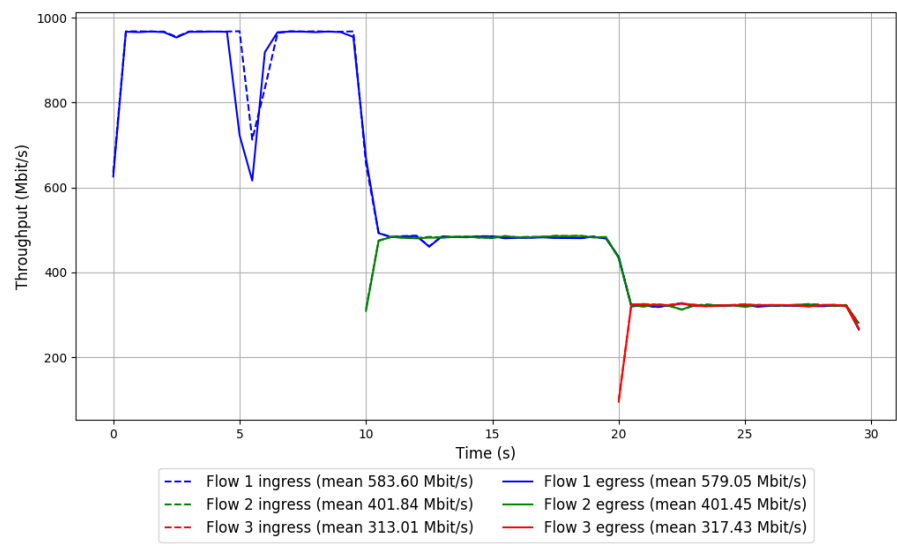


Run 4: Statistics of FillP

Start at: 2018-03-13 15:47:00
End at: 2018-03-13 15:47:30
Local clock offset: 0.371 ms
Remote clock offset: -4.572 ms

Below is generated by plot.py at 2018-03-14 01:51:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 949.22 Mbit/s
95th percentile per-packet one-way delay: 5.610 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 579.05 Mbit/s
95th percentile per-packet one-way delay: 19.921 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 401.45 Mbit/s
95th percentile per-packet one-way delay: 5.218 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 317.43 Mbit/s
95th percentile per-packet one-way delay: 5.275 ms
Loss rate: 0.37%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-03-13 16:15:59

End at: 2018-03-13 16:16:29

Local clock offset: -0.302 ms

Remote clock offset: -3.95 ms

Below is generated by plot.py at 2018-03-14 01:51:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 960.72 Mbit/s

95th percentile per-packet one-way delay: 4.797 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 590.61 Mbit/s

95th percentile per-packet one-way delay: 4.434 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 399.46 Mbit/s

95th percentile per-packet one-way delay: 4.968 ms

Loss rate: 0.11%

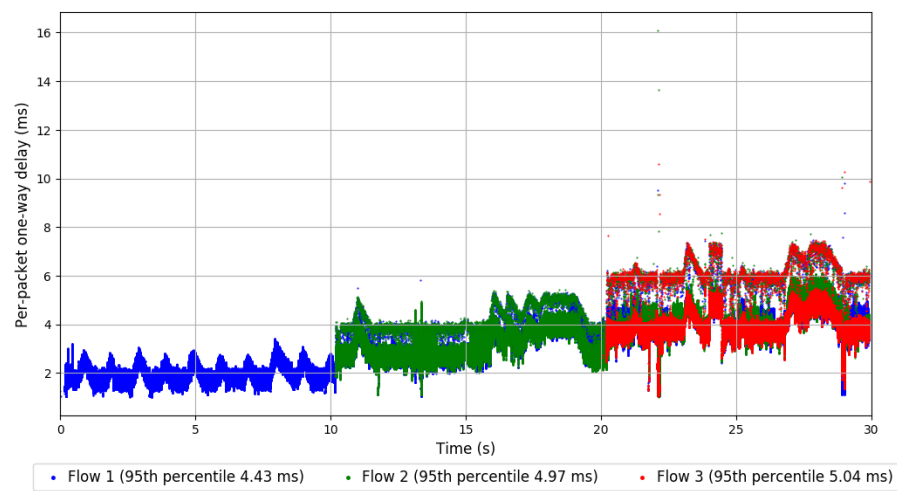
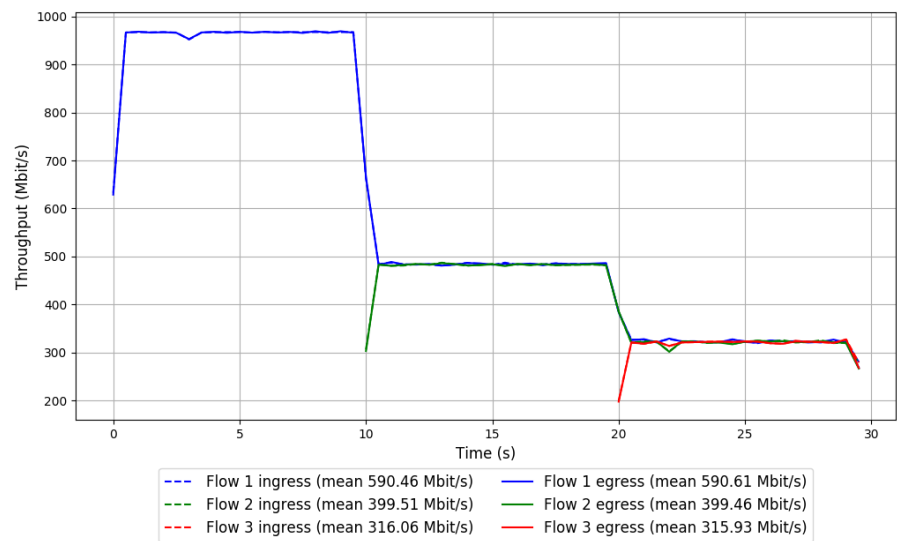
-- Flow 3:

Average throughput: 315.93 Mbit/s

95th percentile per-packet one-way delay: 5.040 ms

Loss rate: 0.23%

Run 5: Report of FillP — Data Link

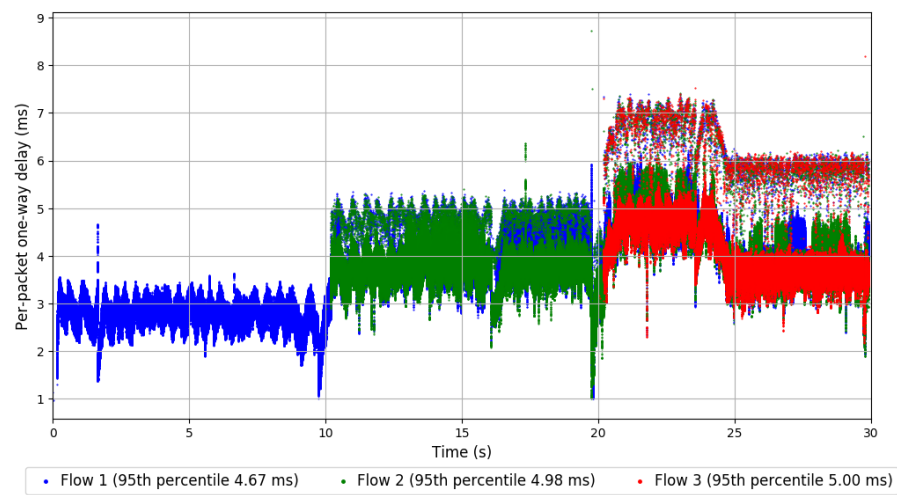
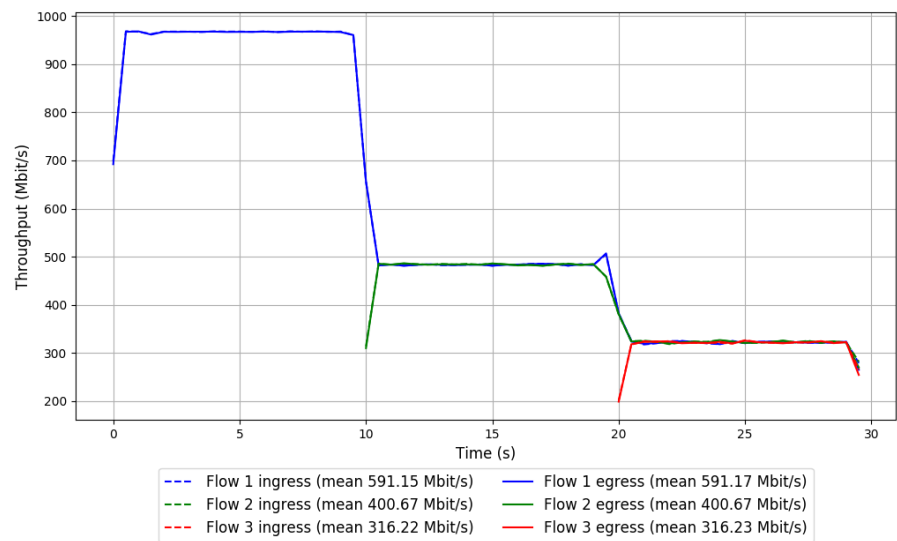


Run 6: Statistics of FillP

Start at: 2018-03-13 16:45:12
End at: 2018-03-13 16:45:42
Local clock offset: -0.814 ms
Remote clock offset: -5.995 ms

Below is generated by plot.py at 2018-03-14 01:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 962.22 Mbit/s
95th percentile per-packet one-way delay: 4.851 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 591.17 Mbit/s
95th percentile per-packet one-way delay: 4.668 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 400.67 Mbit/s
95th percentile per-packet one-way delay: 4.983 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 316.23 Mbit/s
95th percentile per-packet one-way delay: 4.999 ms
Loss rate: 0.24%

Run 6: Report of FillP — Data Link

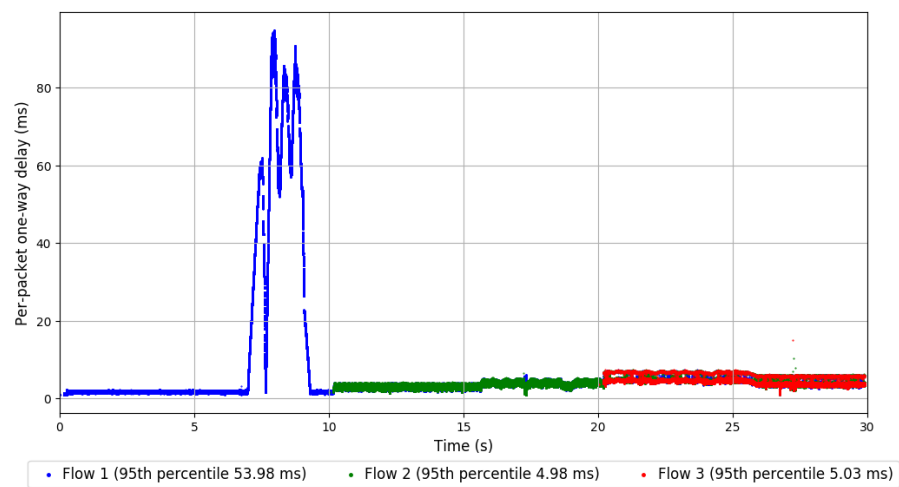
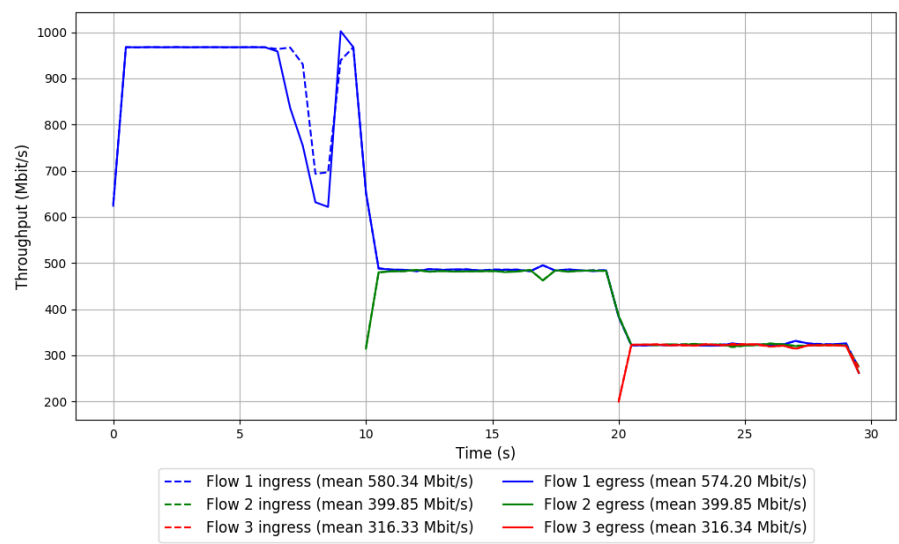


Run 7: Statistics of FillP

Start at: 2018-03-13 17:14:24
End at: 2018-03-13 17:14:54
Local clock offset: 0.967 ms
Remote clock offset: -7.285 ms

Below is generated by plot.py at 2018-03-14 01:51:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 944.62 Mbit/s
95th percentile per-packet one-way delay: 17.234 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 574.20 Mbit/s
95th percentile per-packet one-way delay: 53.983 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 399.85 Mbit/s
95th percentile per-packet one-way delay: 4.982 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 316.34 Mbit/s
95th percentile per-packet one-way delay: 5.026 ms
Loss rate: 0.26%

Run 7: Report of FillP — Data Link

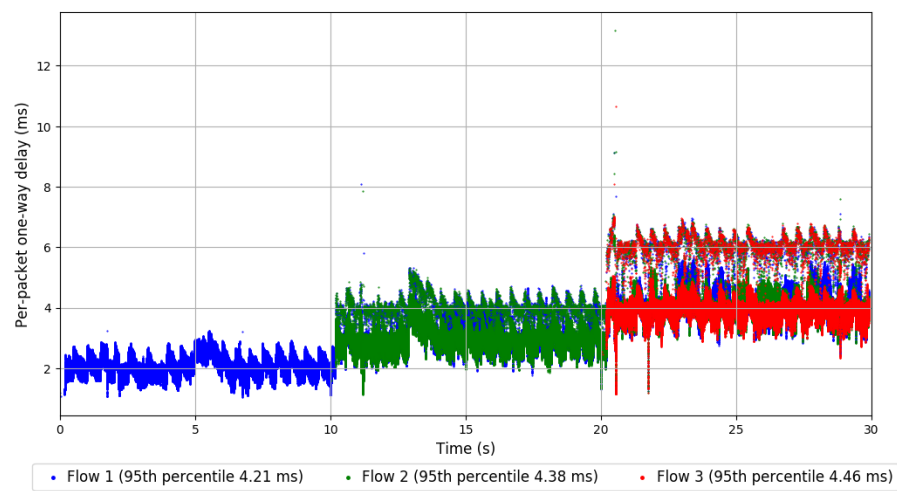
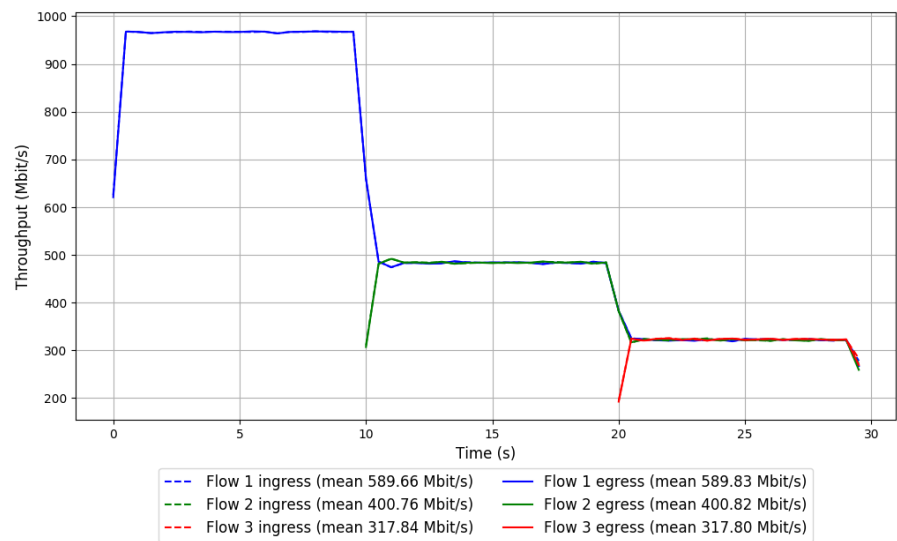


Run 8: Statistics of FillP

Start at: 2018-03-13 17:43:30
End at: 2018-03-13 17:44:00
Local clock offset: 1.102 ms
Remote clock offset: -6.691 ms

Below is generated by plot.py at 2018-03-14 01:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 961.27 Mbit/s
95th percentile per-packet one-way delay: 4.334 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.83 Mbit/s
95th percentile per-packet one-way delay: 4.215 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.82 Mbit/s
95th percentile per-packet one-way delay: 4.377 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.80 Mbit/s
95th percentile per-packet one-way delay: 4.460 ms
Loss rate: 0.25%

Run 8: Report of FillP — Data Link

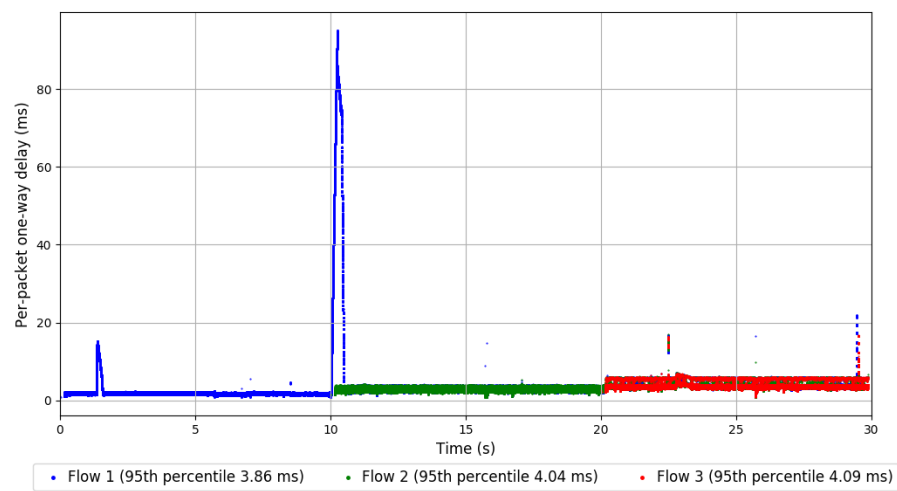
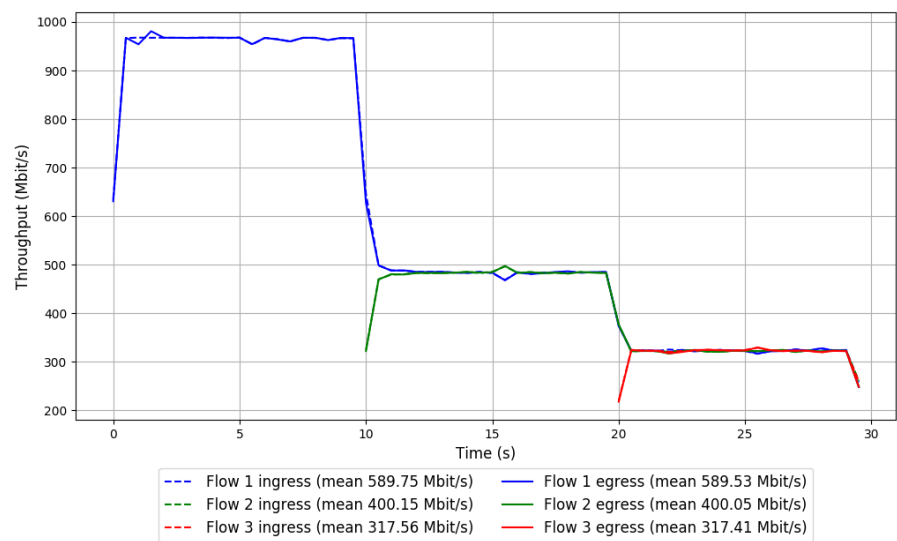


Run 9: Statistics of FillP

Start at: 2018-03-13 18:13:04
End at: 2018-03-13 18:13:34
Local clock offset: 0.96 ms
Remote clock offset: -4.314 ms

Below is generated by plot.py at 2018-03-14 02:04:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.55 Mbit/s
95th percentile per-packet one-way delay: 3.964 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 589.53 Mbit/s
95th percentile per-packet one-way delay: 3.857 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 400.05 Mbit/s
95th percentile per-packet one-way delay: 4.035 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 317.41 Mbit/s
95th percentile per-packet one-way delay: 4.093 ms
Loss rate: 0.27%

Run 9: Report of FillP — Data Link

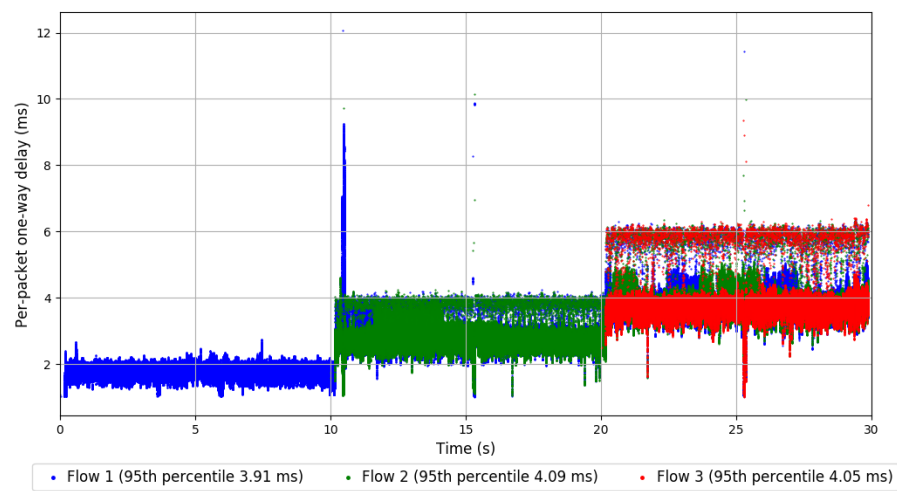
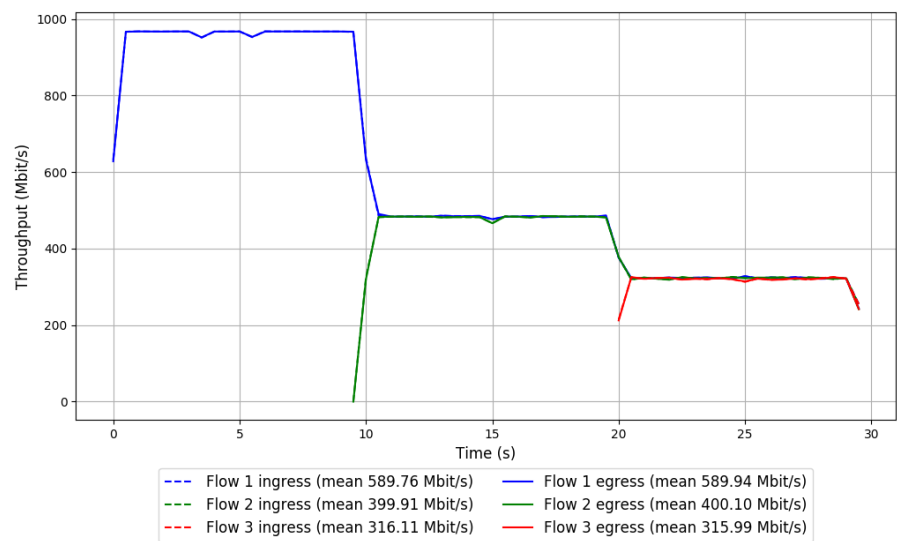


Run 10: Statistics of FillP

Start at: 2018-03-13 18:42:14
End at: 2018-03-13 18:42:44
Local clock offset: 1.143 ms
Remote clock offset: -4.806 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.60 Mbit/s
95th percentile per-packet one-way delay: 3.997 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.94 Mbit/s
95th percentile per-packet one-way delay: 3.912 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.10 Mbit/s
95th percentile per-packet one-way delay: 4.091 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.99 Mbit/s
95th percentile per-packet one-way delay: 4.049 ms
Loss rate: 0.24%

Run 10: Report of FillP — Data Link

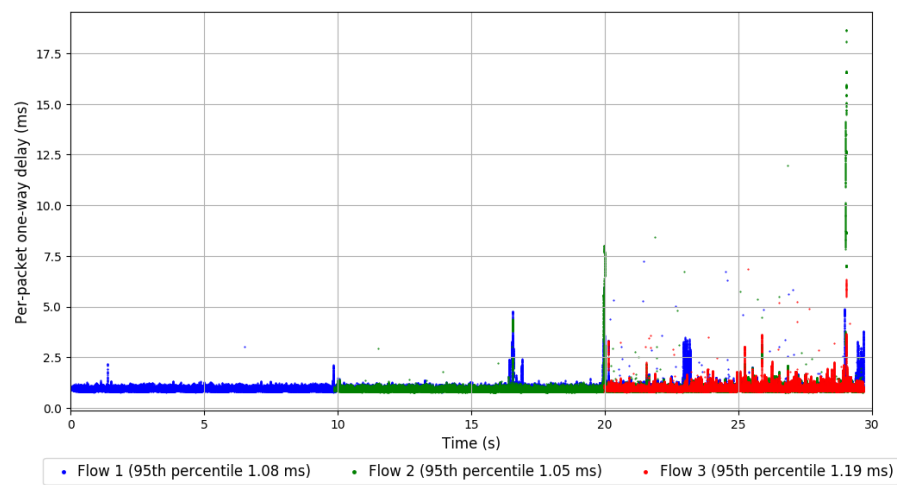
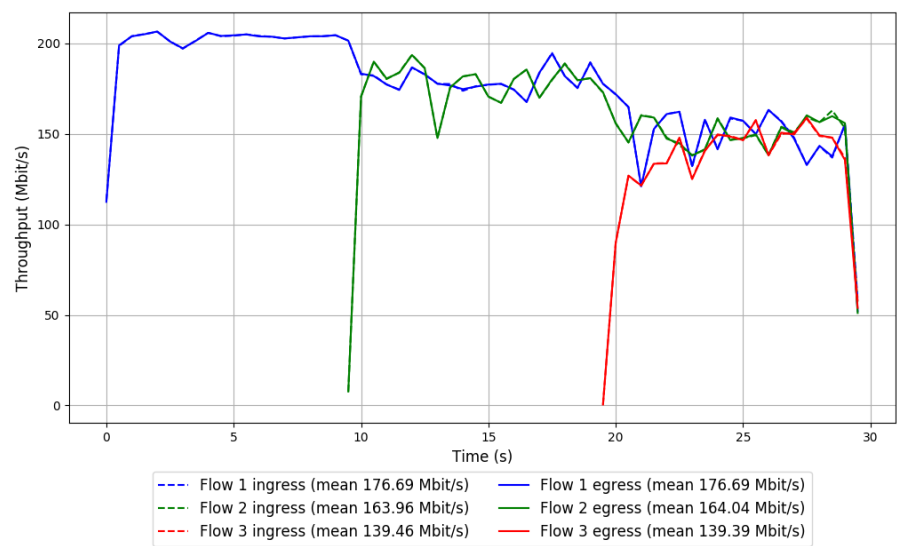


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-13 14:29:20
End at: 2018-03-13 14:29:50
Local clock offset: 2.209 ms
Remote clock offset: -6.022 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.77 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 176.69 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 164.04 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 139.39 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.17%

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

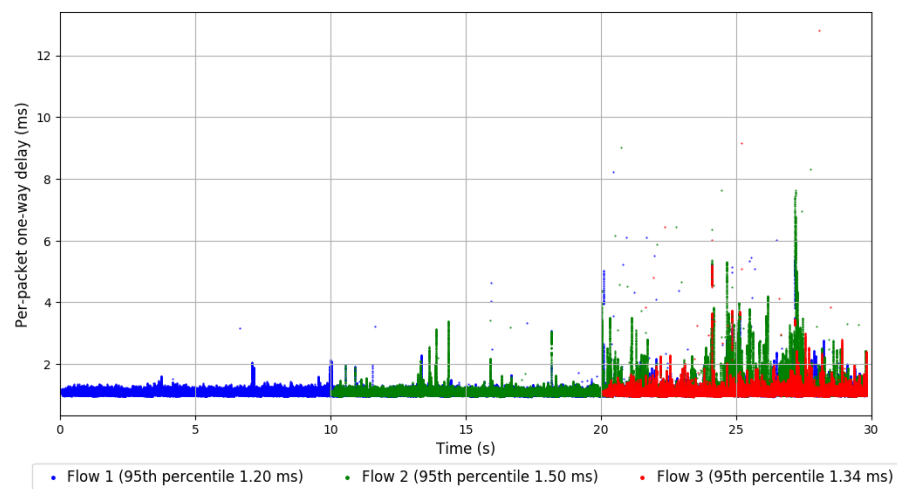
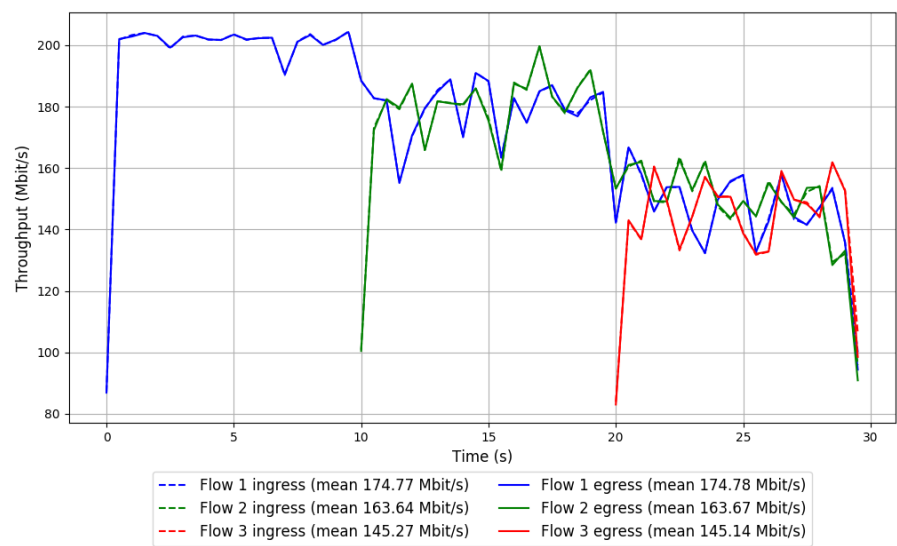


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-13 14:58:37
End at: 2018-03-13 14:59:07
Local clock offset: 2.732 ms
Remote clock offset: -6.065 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.90 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 174.78 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 163.67 Mbit/s
95th percentile per-packet one-way delay: 1.495 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 145.14 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.29%

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

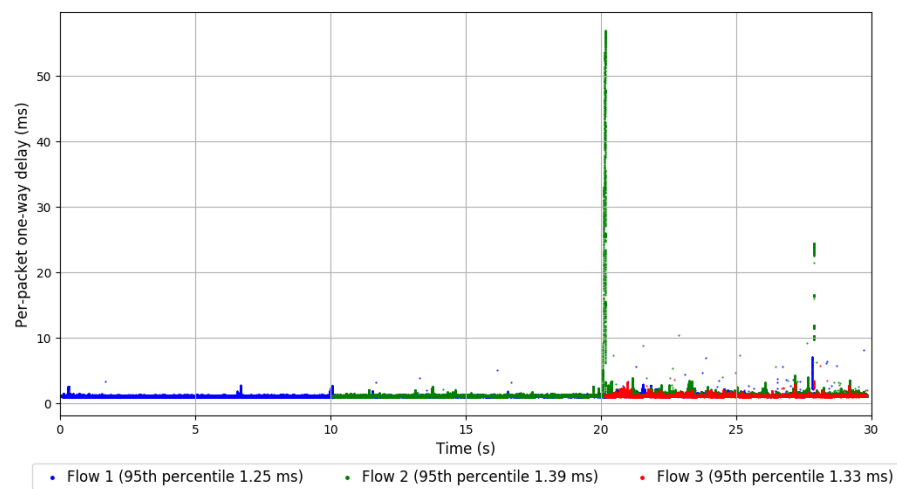
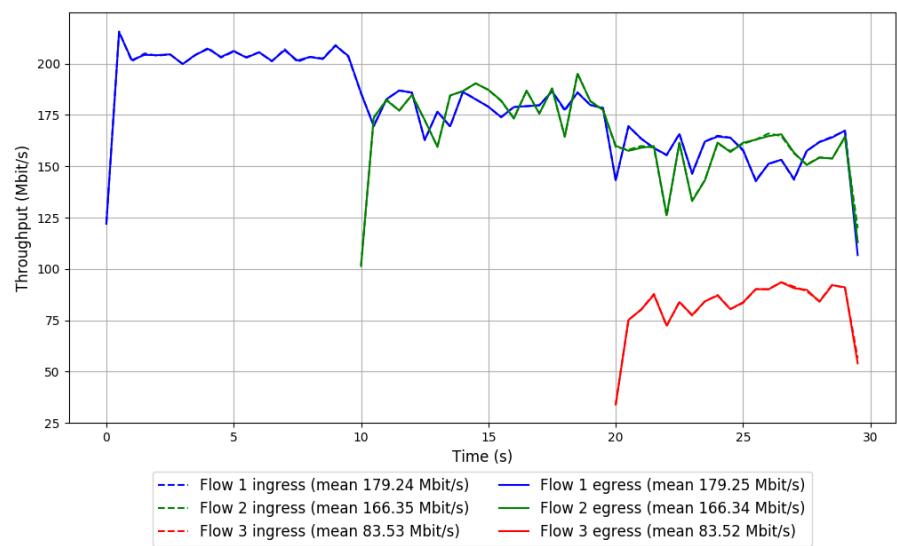


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-13 15:28:19
End at: 2018-03-13 15:28:49
Local clock offset: 1.111 ms
Remote clock offset: -5.412 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.86 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 179.25 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 1.388 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 1.333 ms
Loss rate: 0.17%

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

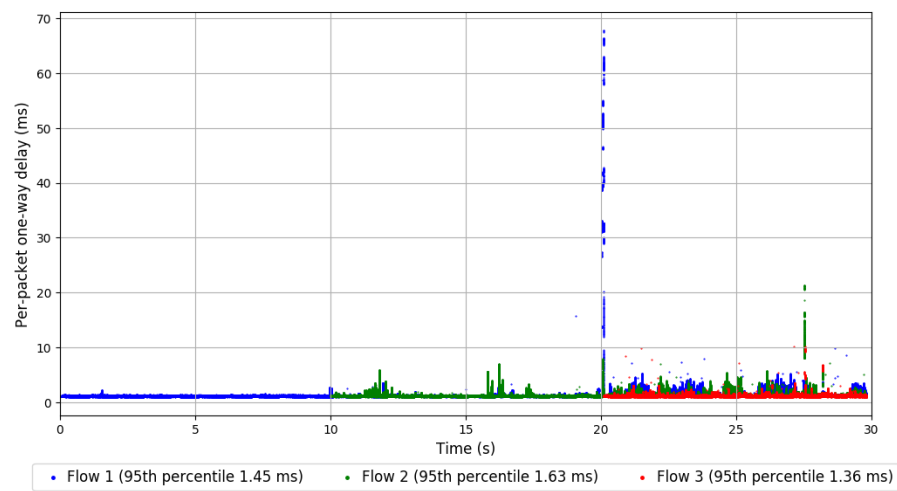
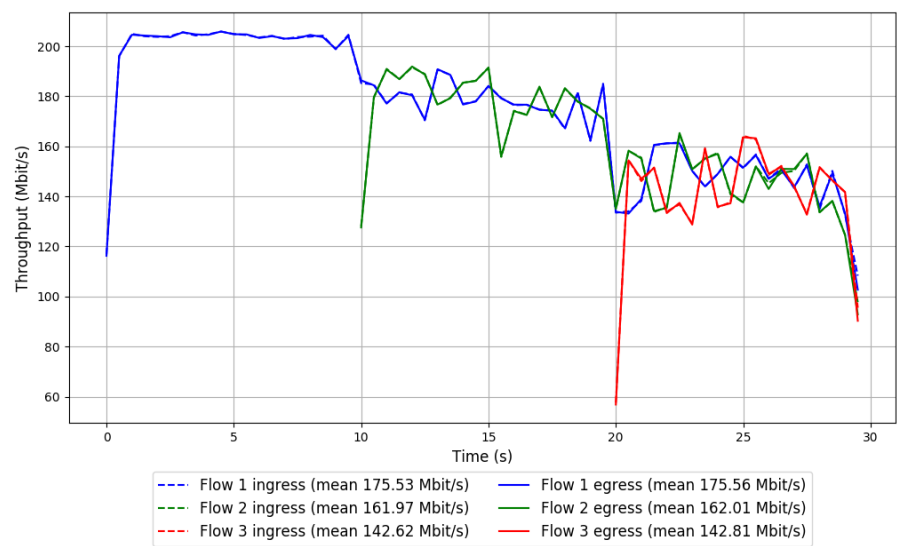


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-13 15:57:43
End at: 2018-03-13 15:58:13
Local clock offset: 0.123 ms
Remote clock offset: -4.305 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.72 Mbit/s
95th percentile per-packet one-way delay: 1.486 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 175.56 Mbit/s
95th percentile per-packet one-way delay: 1.454 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 162.01 Mbit/s
95th percentile per-packet one-way delay: 1.632 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 142.81 Mbit/s
95th percentile per-packet one-way delay: 1.365 ms
Loss rate: 0.20%

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

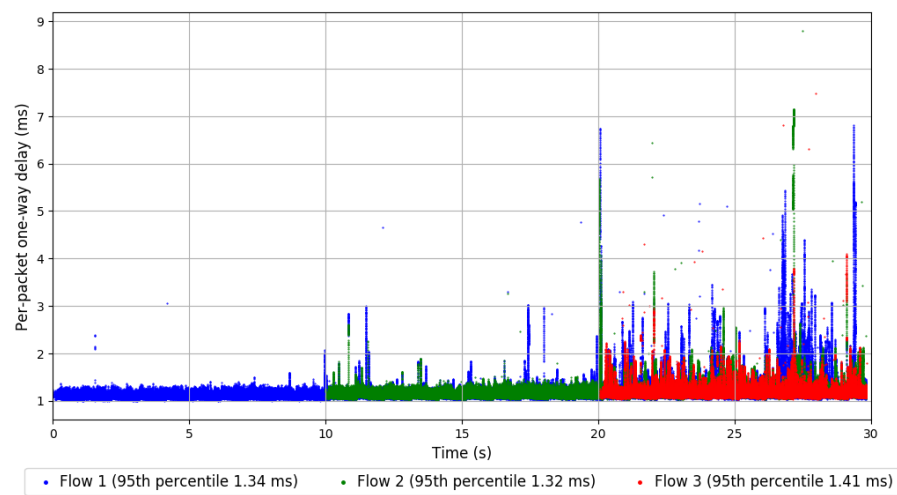
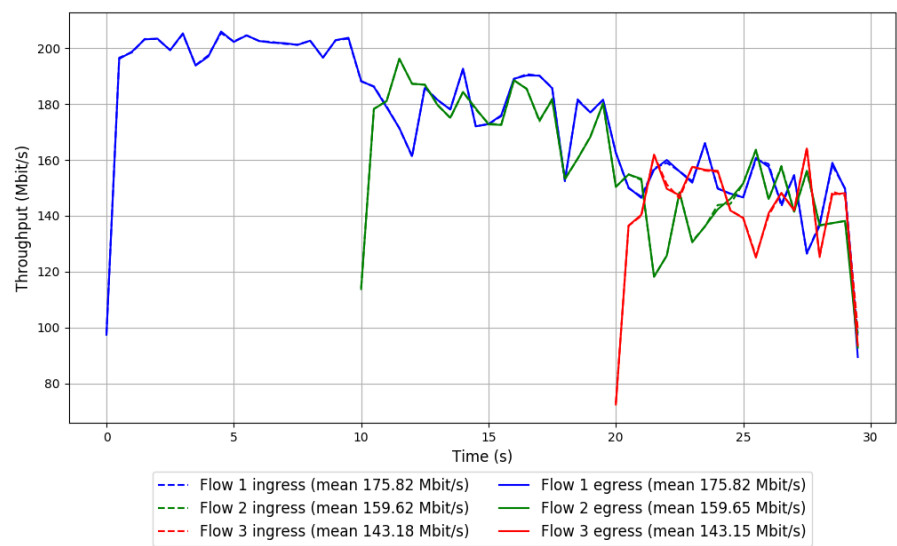


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-13 16:26:53
End at: 2018-03-13 16:27:23
Local clock offset: -0.517 ms
Remote clock offset: -3.792 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.72 Mbit/s
95th percentile per-packet one-way delay: 1.345 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.82 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 159.65 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 143.15 Mbit/s
95th percentile per-packet one-way delay: 1.413 ms
Loss rate: 0.21%

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

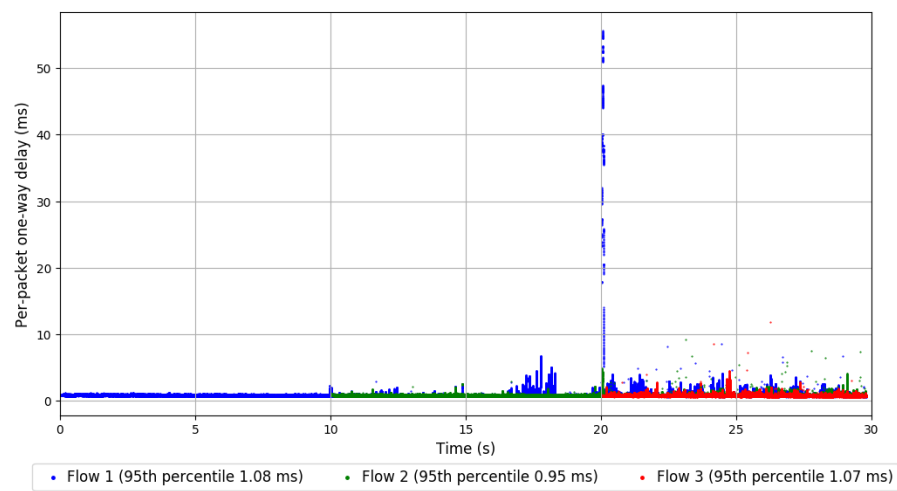
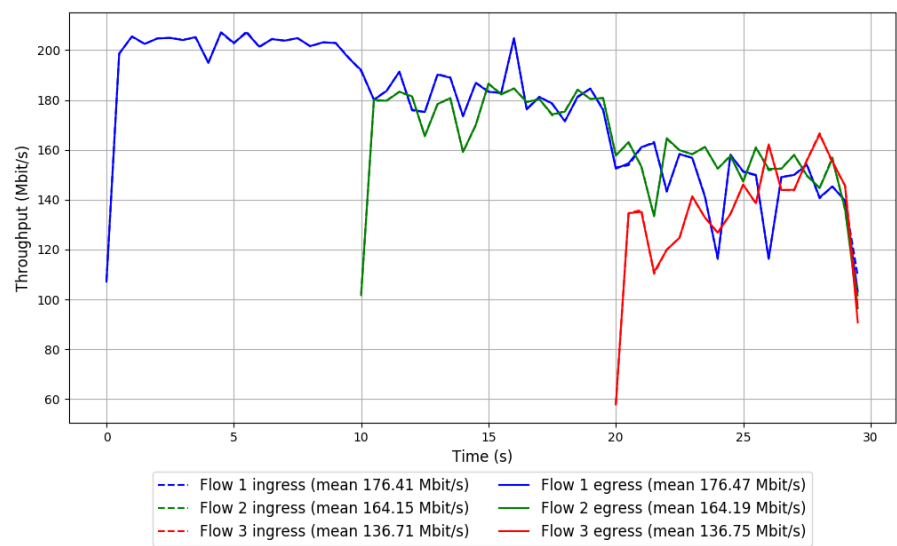


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-13 16:56:07
End at: 2018-03-13 16:56:37
Local clock offset: -1.162 ms
Remote clock offset: -6.623 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.18 Mbit/s
95th percentile per-packet one-way delay: 1.025 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 176.47 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 164.19 Mbit/s
95th percentile per-packet one-way delay: 0.955 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 136.75 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.24%

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

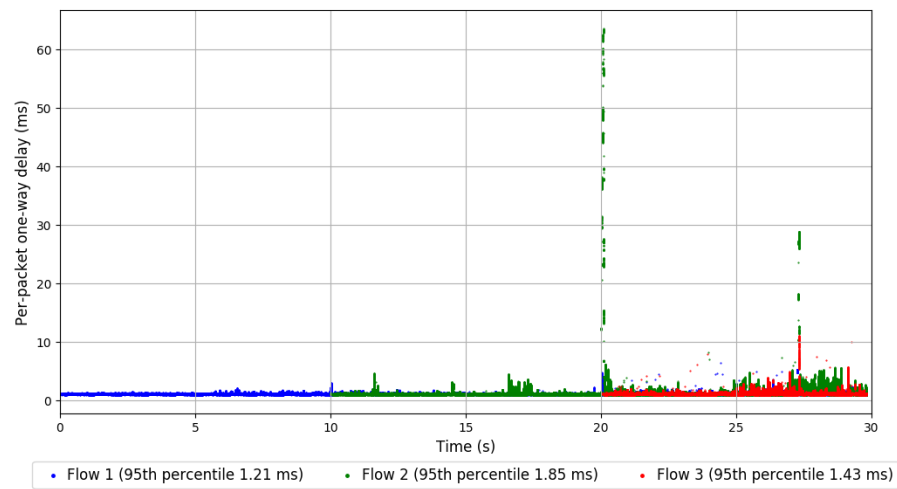
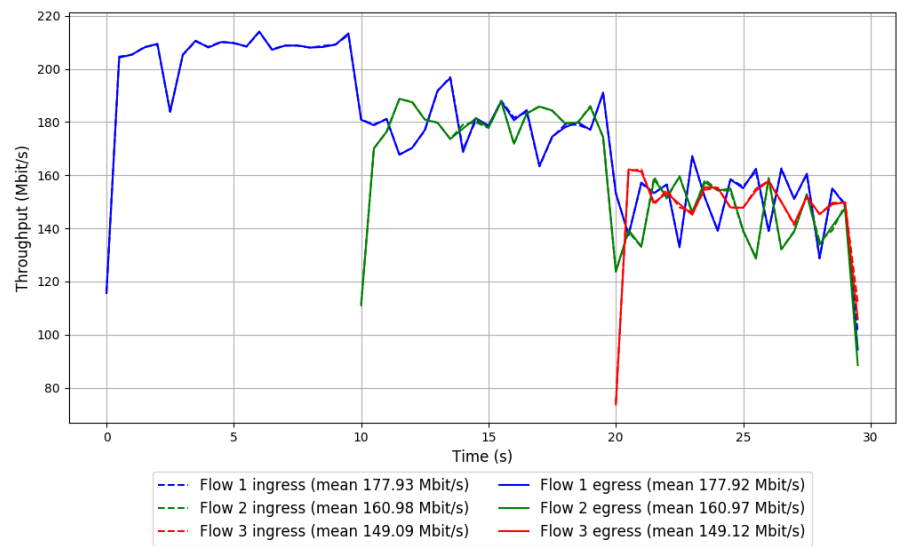


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-13 17:25:11
End at: 2018-03-13 17:25:41
Local clock offset: 1.263 ms
Remote clock offset: -7.609 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.59 Mbit/s
95th percentile per-packet one-way delay: 1.351 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 177.92 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 160.97 Mbit/s
95th percentile per-packet one-way delay: 1.850 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 149.12 Mbit/s
95th percentile per-packet one-way delay: 1.427 ms
Loss rate: 0.22%

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

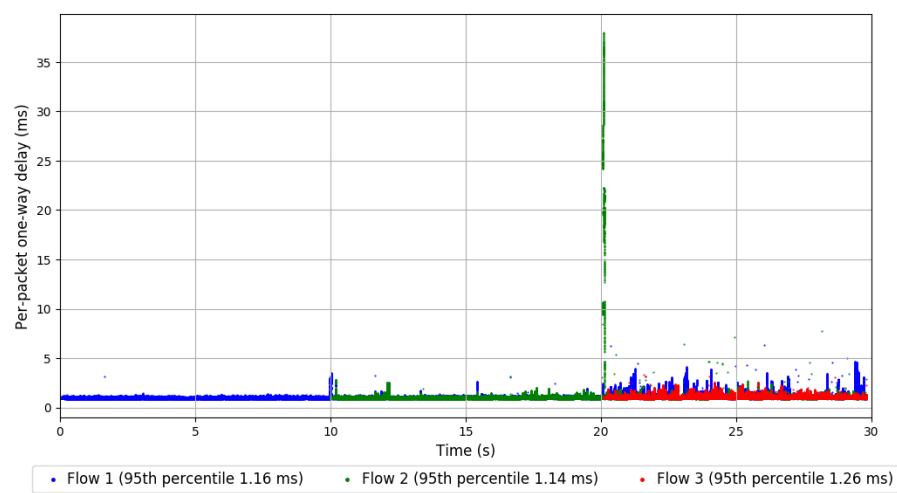
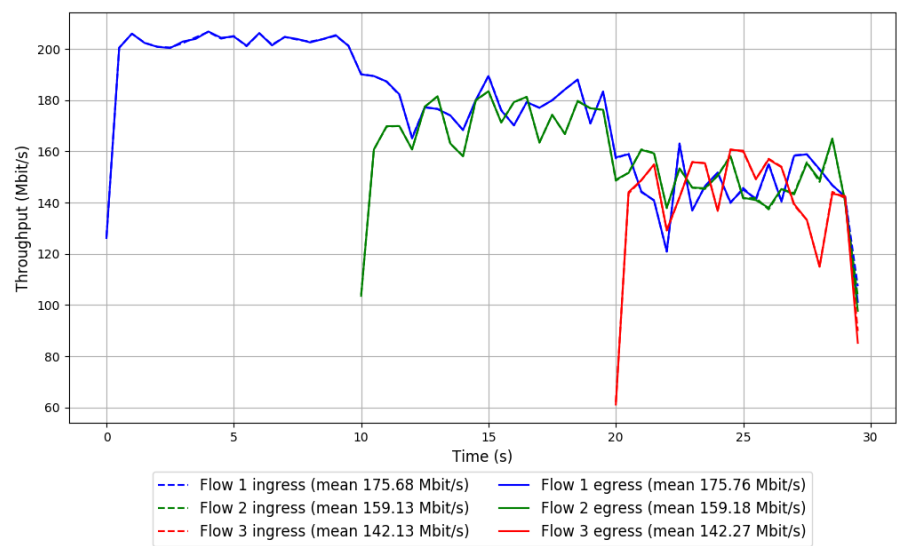


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-13 17:54:28
End at: 2018-03-13 17:54:58
Local clock offset: 0.995 ms
Remote clock offset: -5.233 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.90 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.76 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 159.18 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 142.27 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.17%

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

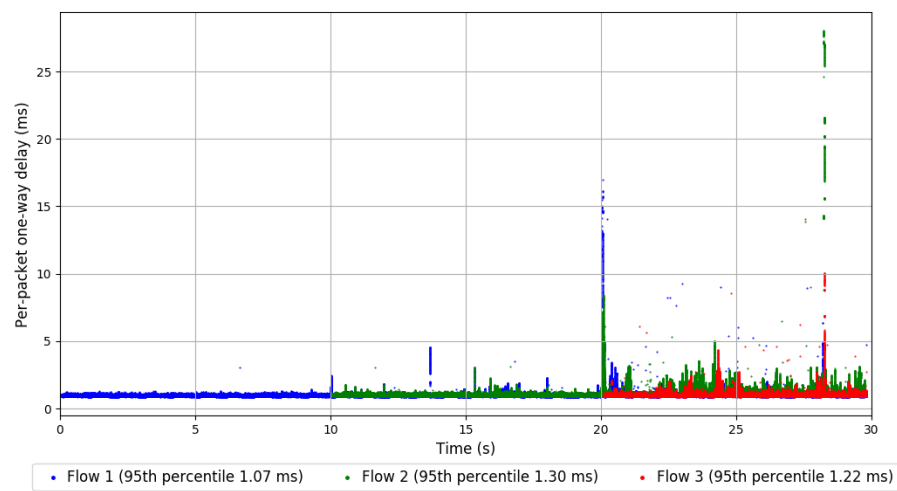
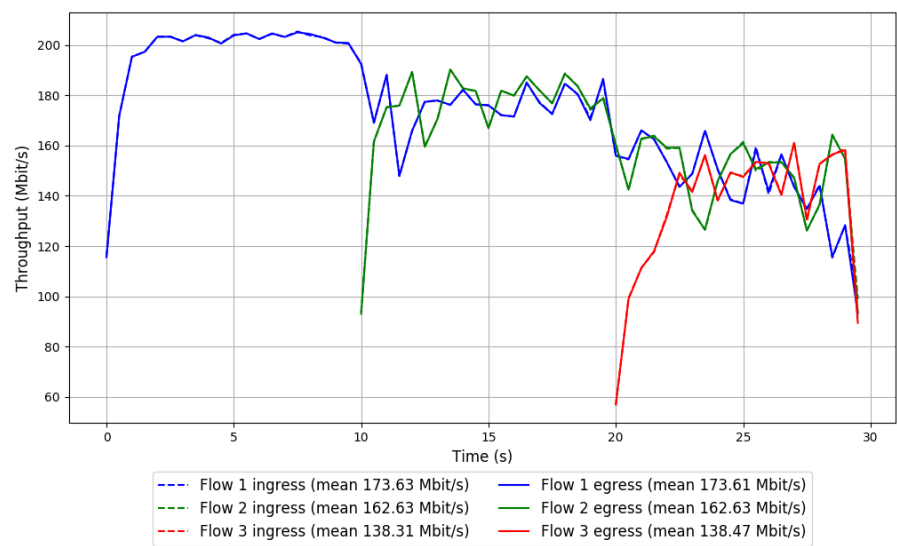


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-13 18:23:59
End at: 2018-03-13 18:24:29
Local clock offset: 0.967 ms
Remote clock offset: -4.826 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.64 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 173.61 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 162.63 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 138.47 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.11%

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

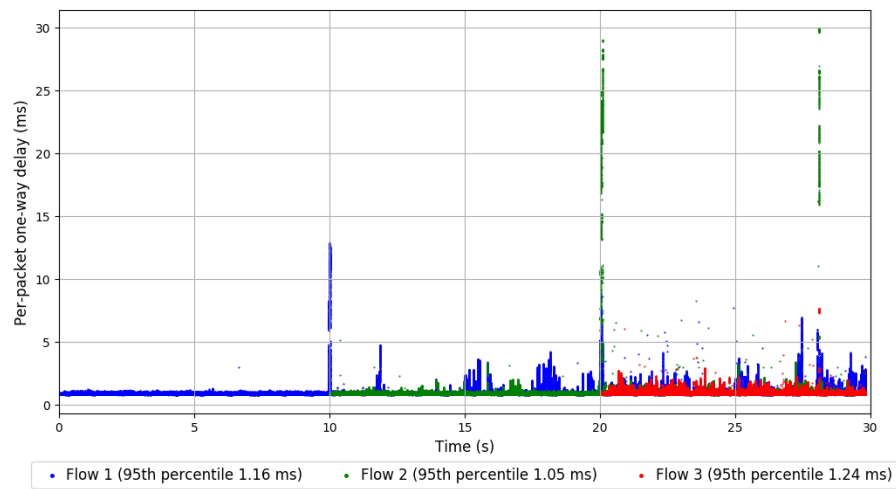
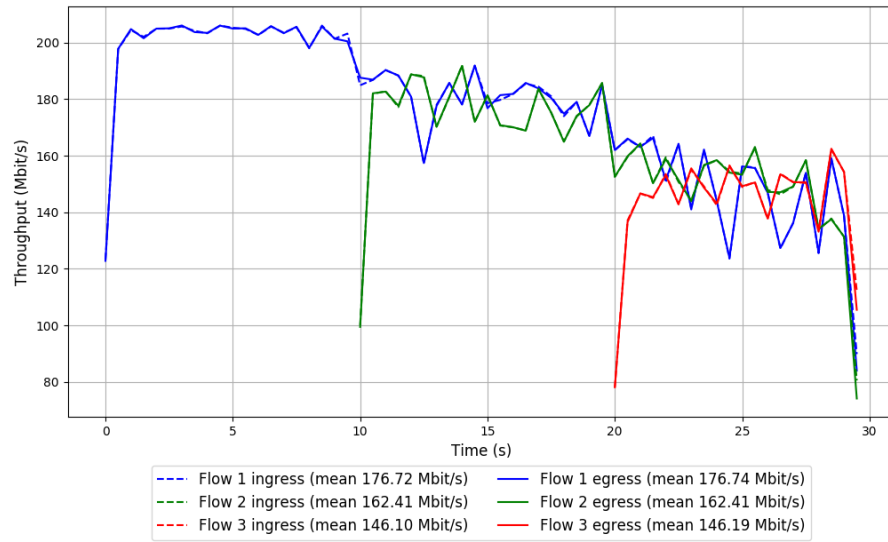


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-13 18:53:01
End at: 2018-03-13 18:53:31
Local clock offset: 1.144 ms
Remote clock offset: -4.997 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.46 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 176.74 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 162.41 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 146.19 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.24%

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

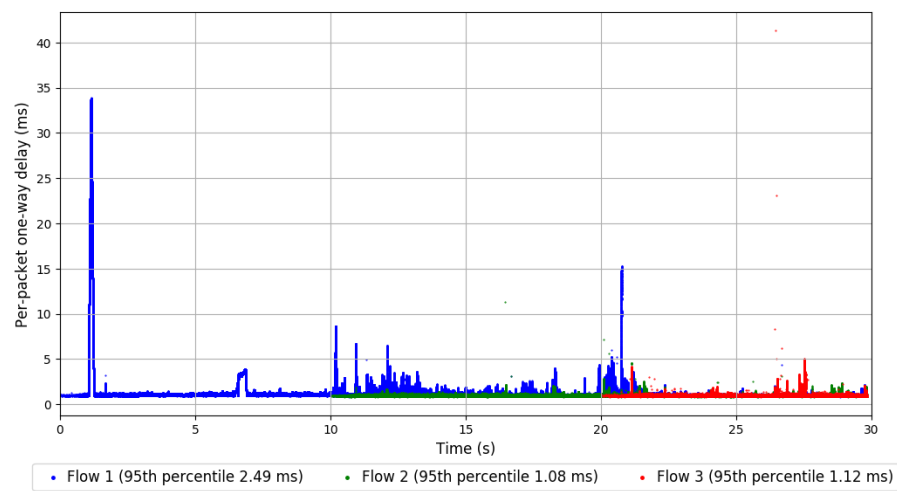
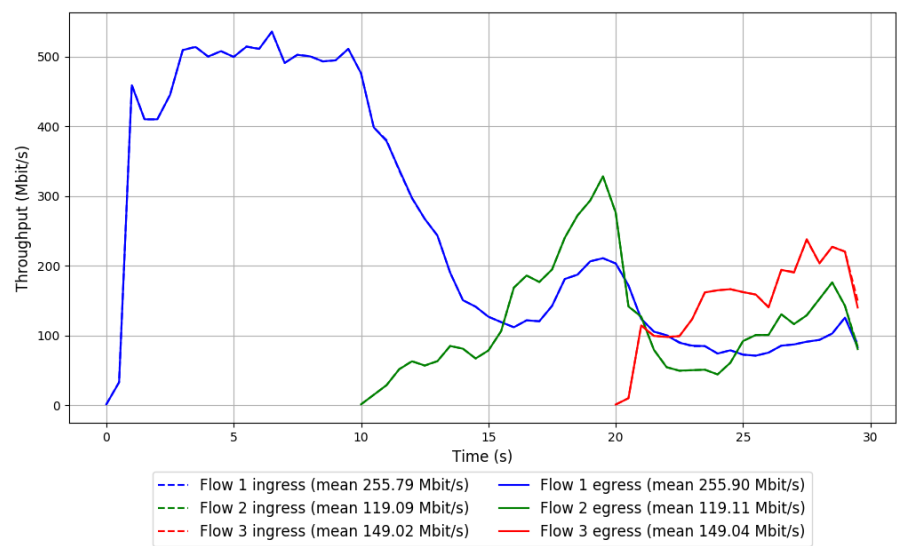


Run 1: Statistics of Vivace-latency

Start at: 2018-03-13 14:16:48
End at: 2018-03-13 14:17:18
Local clock offset: 1.95 ms
Remote clock offset: -6.337 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.89 Mbit/s
95th percentile per-packet one-way delay: 1.775 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 255.90 Mbit/s
95th percentile per-packet one-way delay: 2.490 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 119.11 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 149.04 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.35%

Run 1: Report of Vivace-latency — Data Link

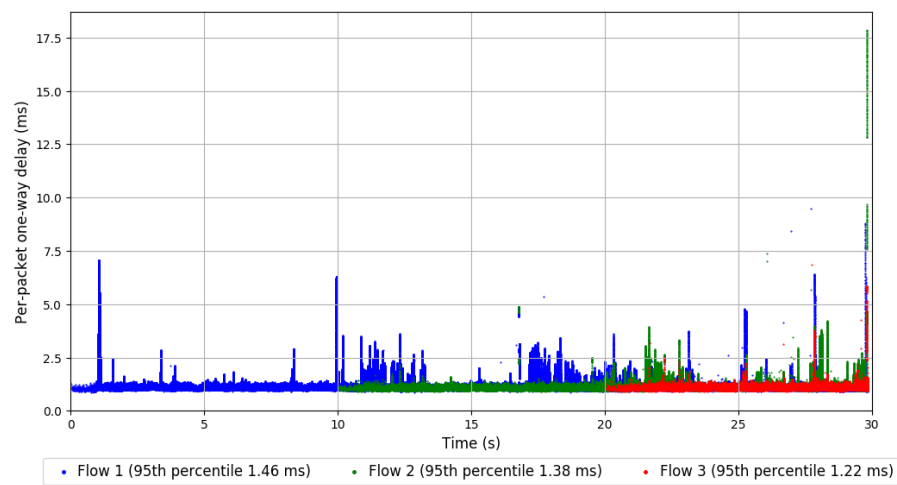
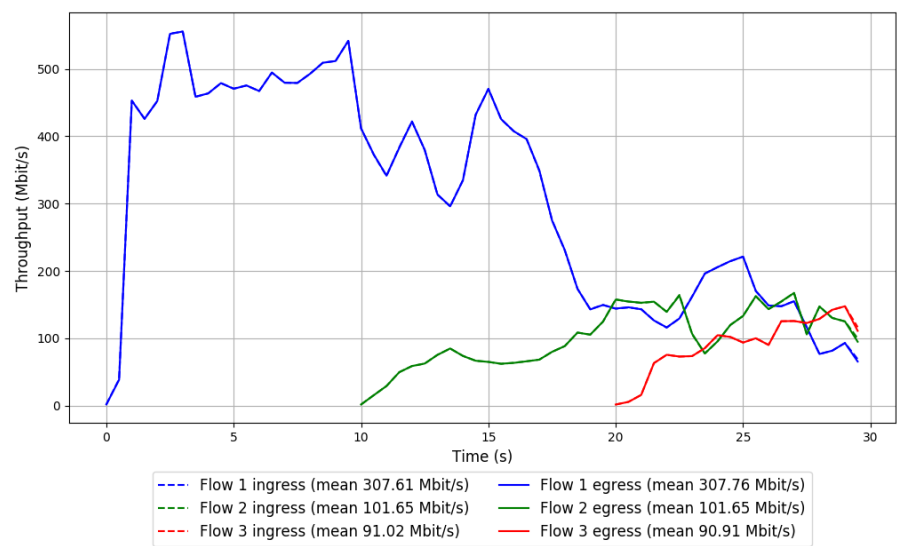


Run 2: Statistics of Vivace-latency

Start at: 2018-03-13 14:46:06
End at: 2018-03-13 14:46:36
Local clock offset: 2.565 ms
Remote clock offset: -5.787 ms

Below is generated by plot.py at 2018-03-14 02:04:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.18 Mbit/s
95th percentile per-packet one-way delay: 1.409 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 307.76 Mbit/s
95th percentile per-packet one-way delay: 1.459 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 101.65 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.32%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-13 15:15:45

End at: 2018-03-13 15:16:15

Local clock offset: 2.554 ms

Remote clock offset: -6.08 ms

Below is generated by plot.py at 2018-03-14 02:06:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.03 Mbit/s

95th percentile per-packet one-way delay: 15.884 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 237.52 Mbit/s

95th percentile per-packet one-way delay: 147.889 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 172.30 Mbit/s

95th percentile per-packet one-way delay: 1.369 ms

Loss rate: 0.07%

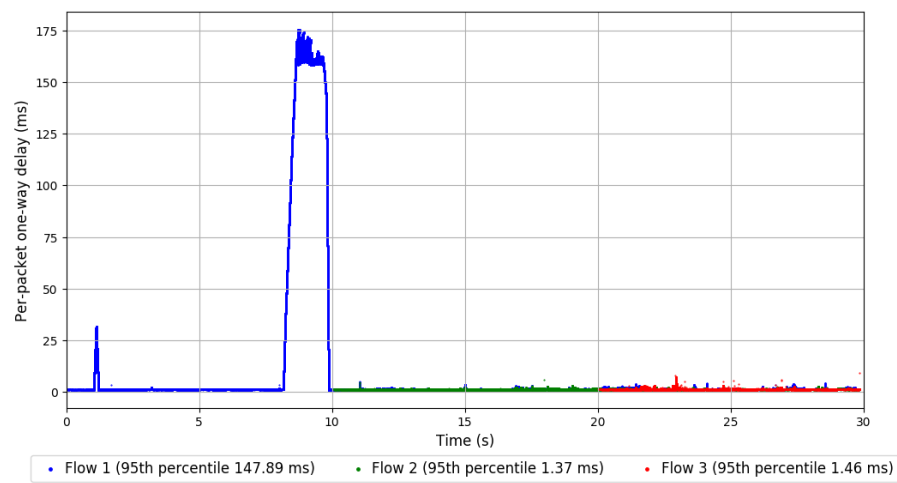
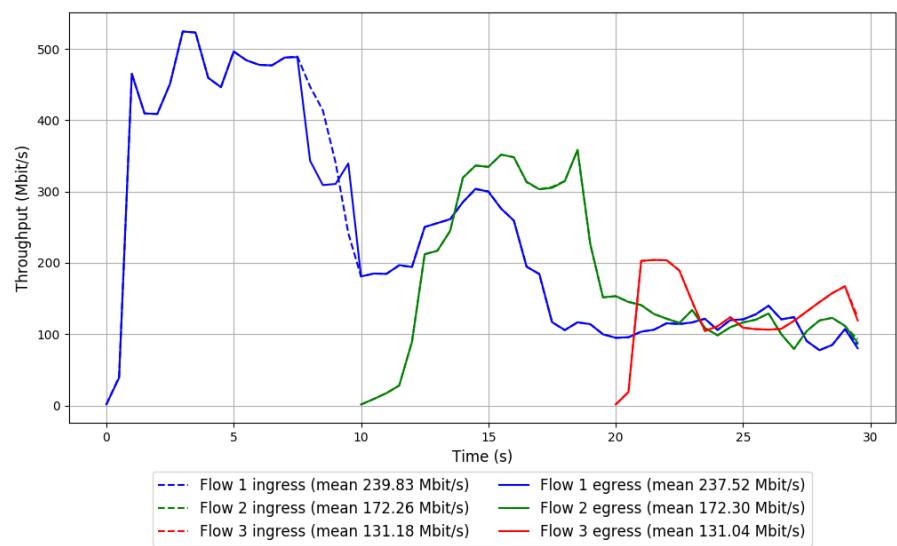
-- Flow 3:

Average throughput: 131.04 Mbit/s

95th percentile per-packet one-way delay: 1.463 ms

Loss rate: 0.22%

Run 3: Report of Vivace-latency — Data Link

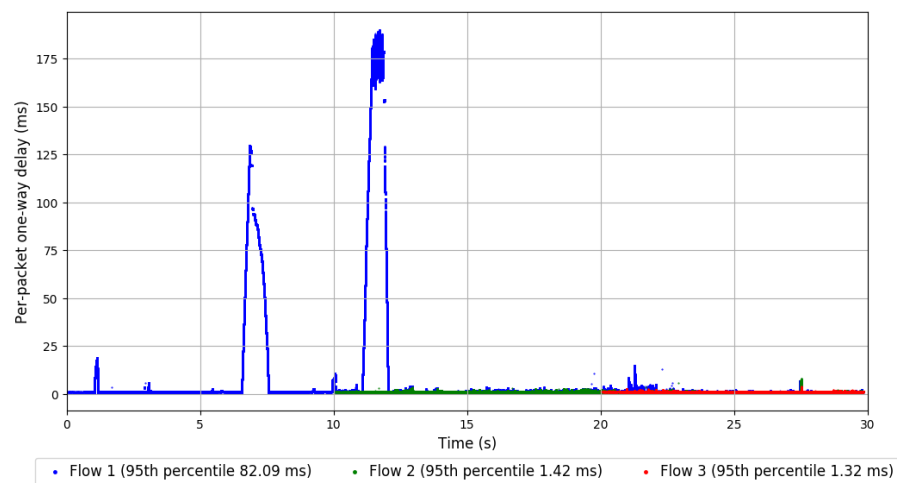
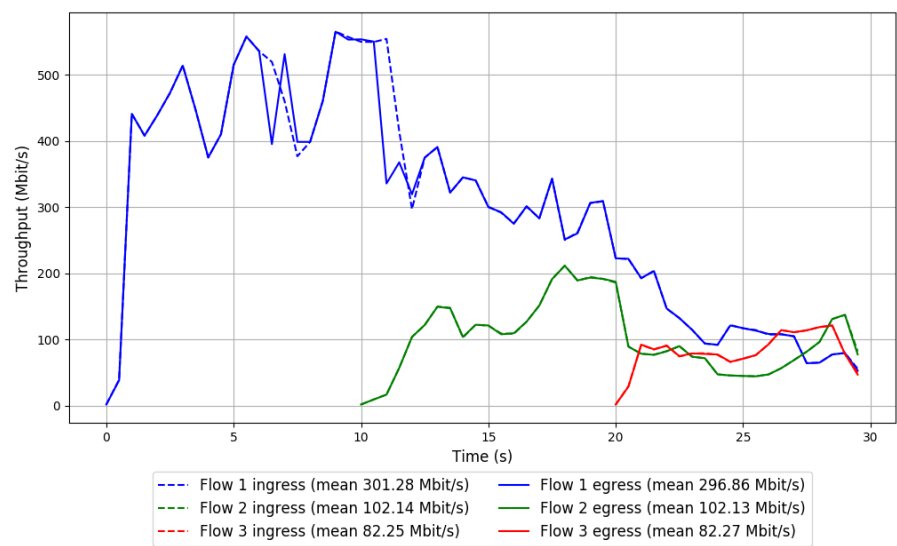


Run 4: Statistics of Vivace-latency

Start at: 2018-03-13 15:45:19
End at: 2018-03-13 15:45:49
Local clock offset: 0.429 ms
Remote clock offset: -4.624 ms

Below is generated by plot.py at 2018-03-14 02:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.75 Mbit/s
95th percentile per-packet one-way delay: 59.265 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 296.86 Mbit/s
95th percentile per-packet one-way delay: 82.090 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 102.13 Mbit/s
95th percentile per-packet one-way delay: 1.422 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 82.27 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.17%

Run 4: Report of Vivace-latency — Data Link

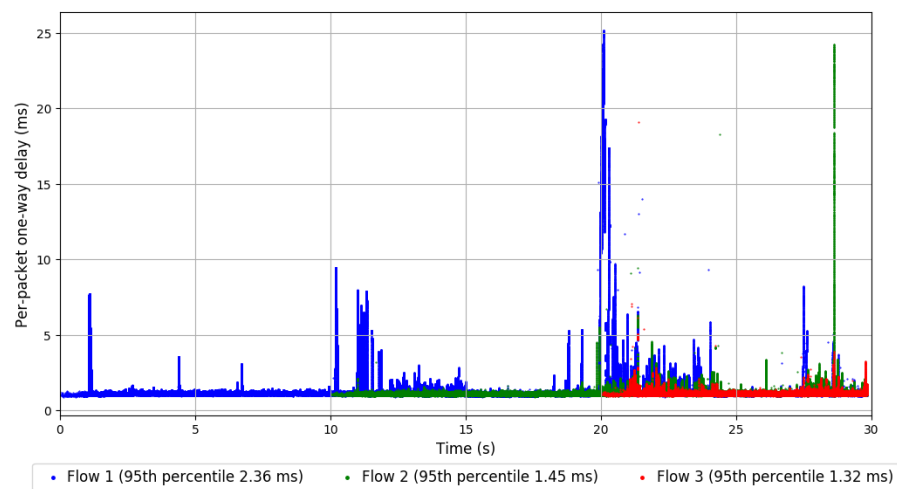
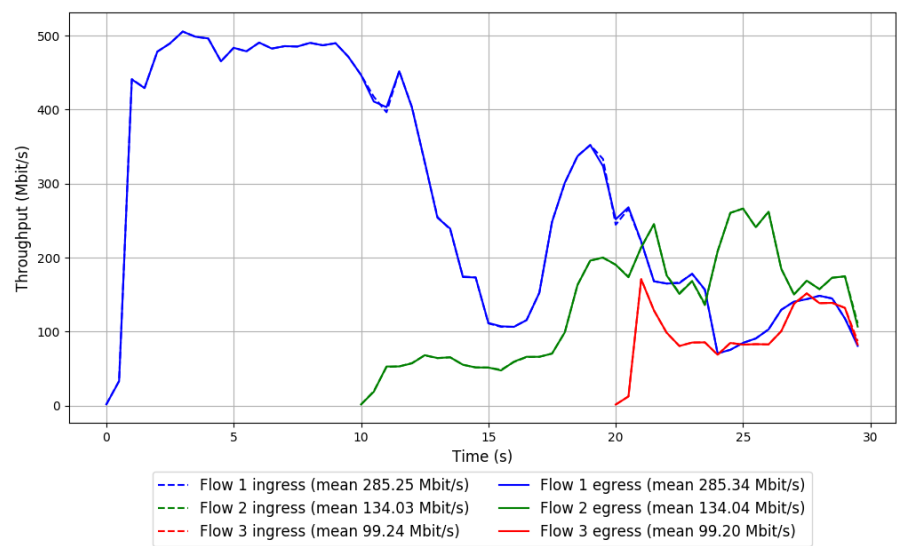


Run 5: Statistics of Vivace-latency

Start at: 2018-03-13 16:14:18
End at: 2018-03-13 16:14:48
Local clock offset: -0.264 ms
Remote clock offset: -3.965 ms

Below is generated by plot.py at 2018-03-14 02:07:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.93 Mbit/s
95th percentile per-packet one-way delay: 1.870 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 285.34 Mbit/s
95th percentile per-packet one-way delay: 2.357 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 134.04 Mbit/s
95th percentile per-packet one-way delay: 1.449 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 99.20 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.25%

Run 5: Report of Vivace-latency — Data Link

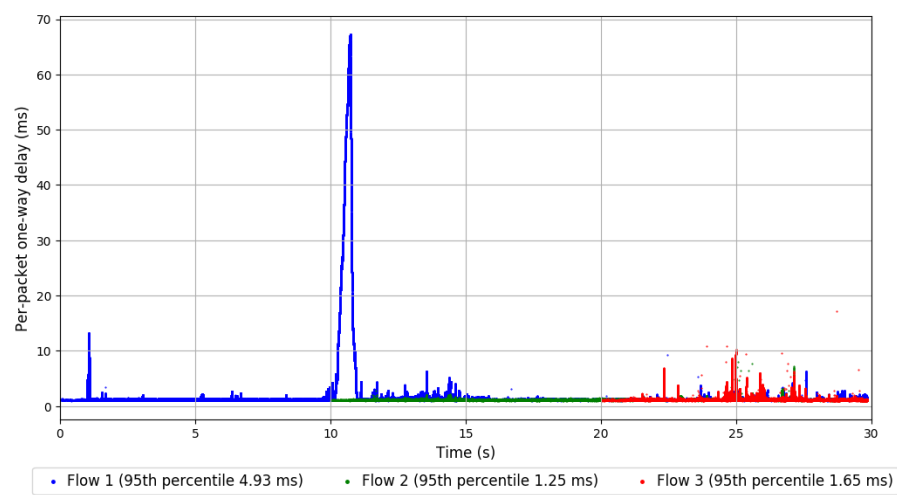
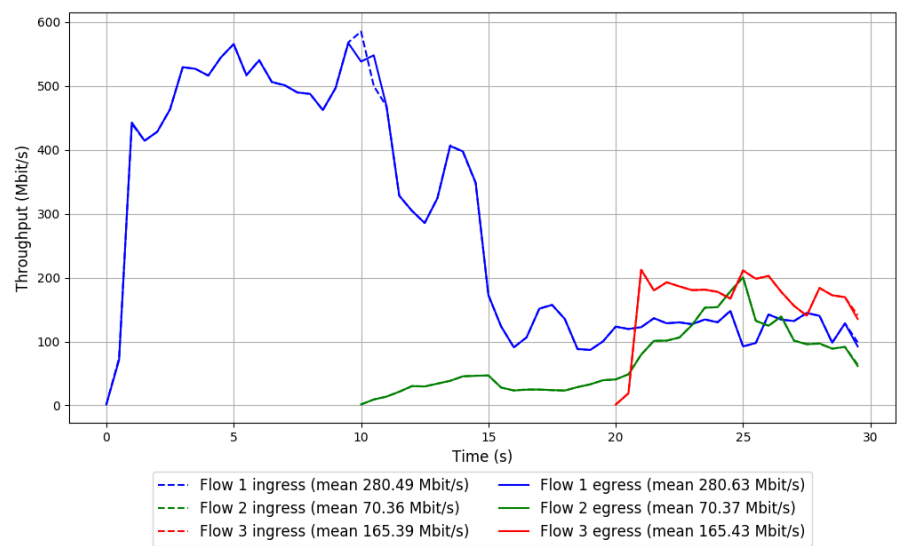


Run 6: Statistics of Vivace-latency

Start at: 2018-03-13 16:43:33
End at: 2018-03-13 16:44:03
Local clock offset: -0.8 ms
Remote clock offset: -5.912 ms

Below is generated by plot.py at 2018-03-14 02:07:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.70 Mbit/s
95th percentile per-packet one-way delay: 2.935 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 280.63 Mbit/s
95th percentile per-packet one-way delay: 4.927 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 70.37 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 165.43 Mbit/s
95th percentile per-packet one-way delay: 1.654 ms
Loss rate: 0.18%

Run 6: Report of Vivace-latency — Data Link

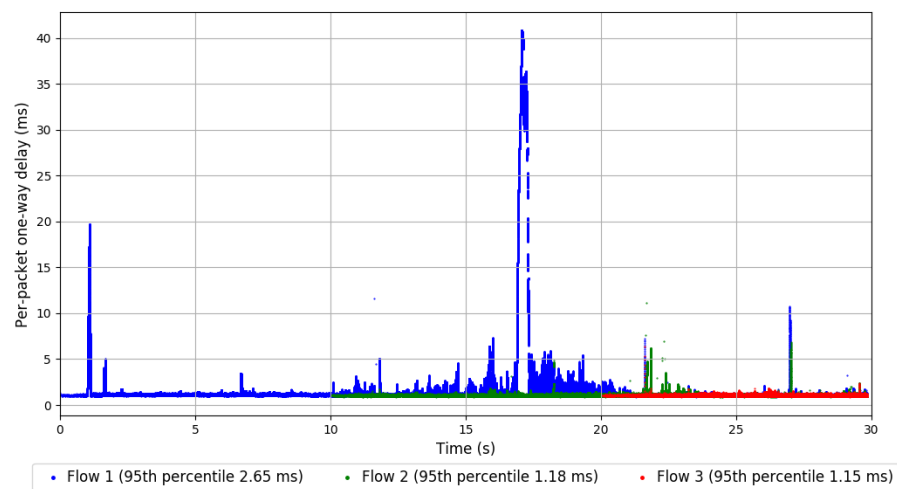
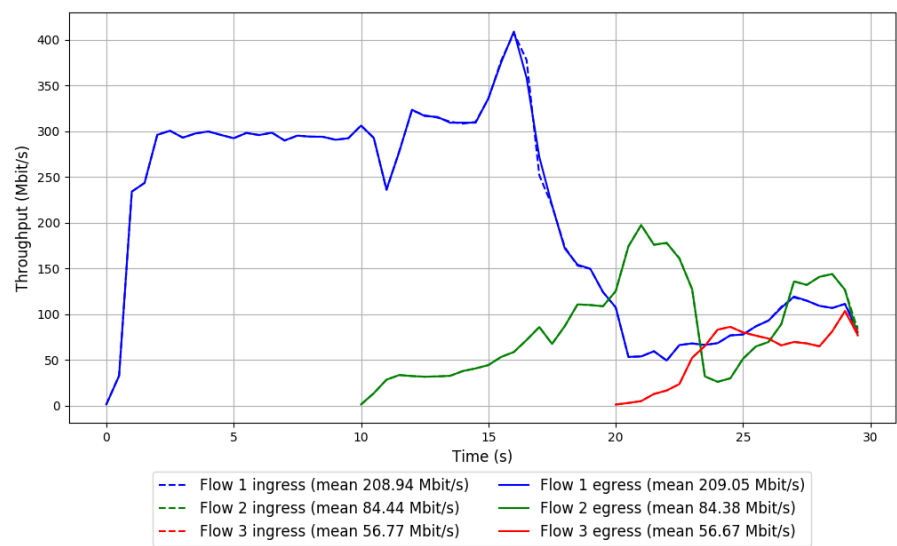


Run 7: Statistics of Vivace-latency

Start at: 2018-03-13 17:12:49
End at: 2018-03-13 17:13:19
Local clock offset: 0.879 ms
Remote clock offset: -7.233 ms

Below is generated by plot.py at 2018-03-14 02:07:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.68 Mbit/s
95th percentile per-packet one-way delay: 2.132 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 209.05 Mbit/s
95th percentile per-packet one-way delay: 2.649 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.37%

Run 7: Report of Vivace-latency — Data Link

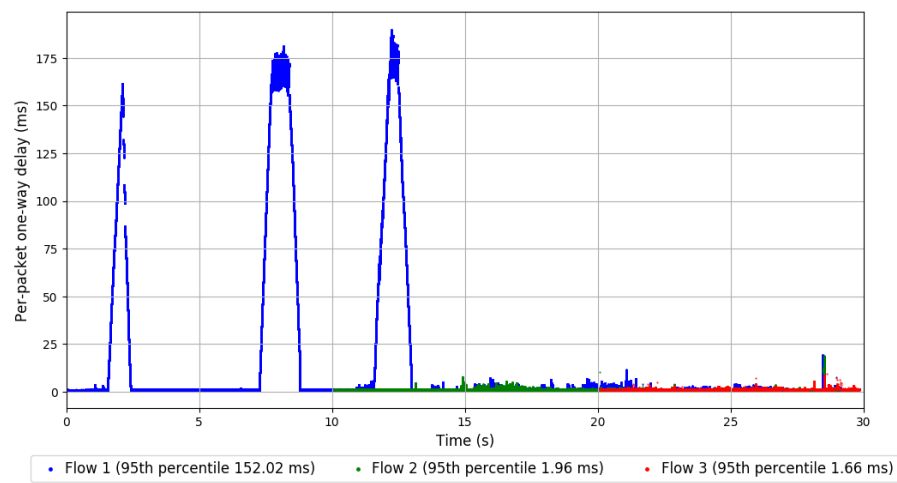
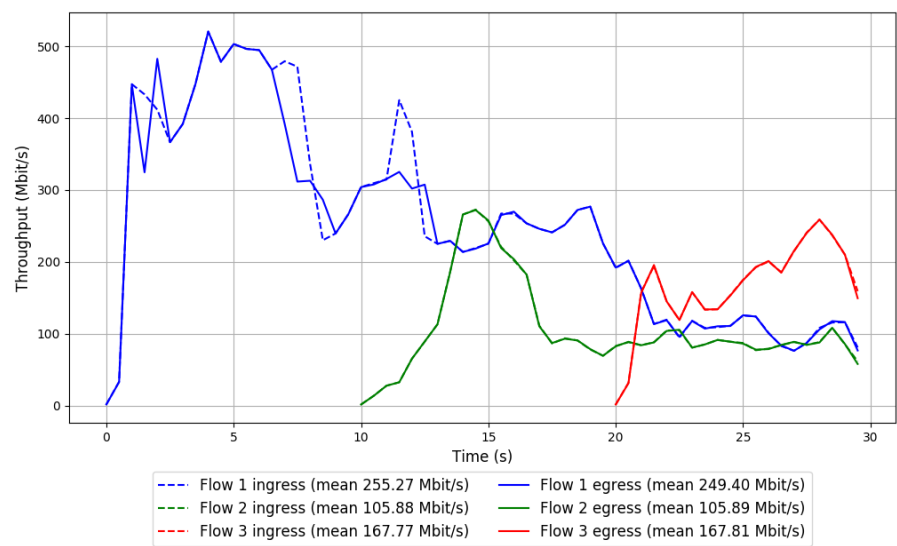


Run 8: Statistics of Vivace-latency

Start at: 2018-03-13 17:41:49
End at: 2018-03-13 17:42:19
Local clock offset: 1.118 ms
Remote clock offset: -7.115 ms

Below is generated by plot.py at 2018-03-14 02:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.87 Mbit/s
95th percentile per-packet one-way delay: 118.934 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 249.40 Mbit/s
95th percentile per-packet one-way delay: 152.021 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 105.89 Mbit/s
95th percentile per-packet one-way delay: 1.958 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 167.81 Mbit/s
95th percentile per-packet one-way delay: 1.657 ms
Loss rate: 0.30%

Run 8: Report of Vivace-latency — Data Link

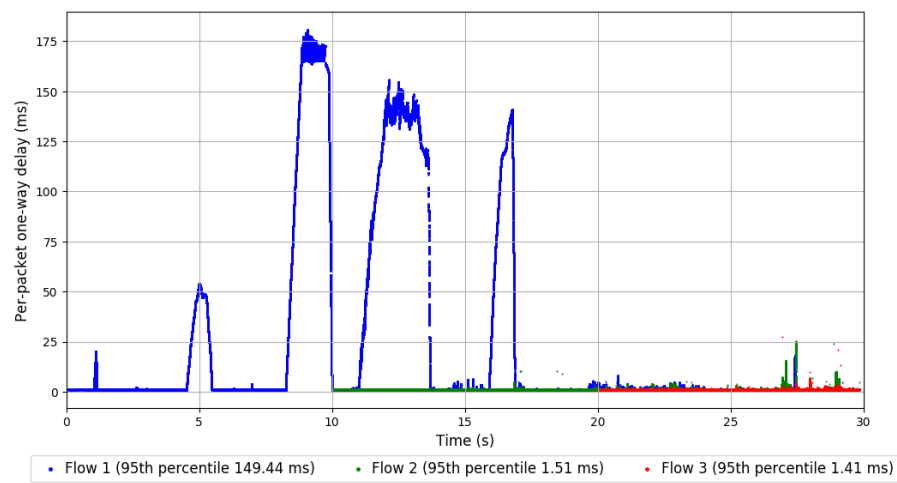
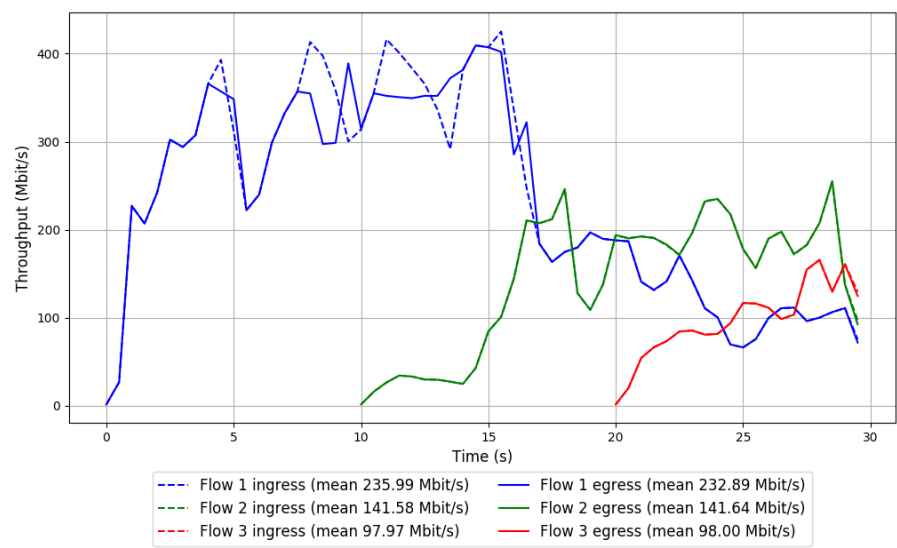


Run 9: Statistics of Vivace-latency

Start at: 2018-03-13 18:11:23
End at: 2018-03-13 18:11:53
Local clock offset: 1.043 ms
Remote clock offset: -4.455 ms

Below is generated by plot.py at 2018-03-14 02:10:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.25 Mbit/s
95th percentile per-packet one-way delay: 140.871 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 232.89 Mbit/s
95th percentile per-packet one-way delay: 149.443 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 141.64 Mbit/s
95th percentile per-packet one-way delay: 1.513 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 98.00 Mbit/s
95th percentile per-packet one-way delay: 1.410 ms
Loss rate: 0.27%

Run 9: Report of Vivace-latency — Data Link

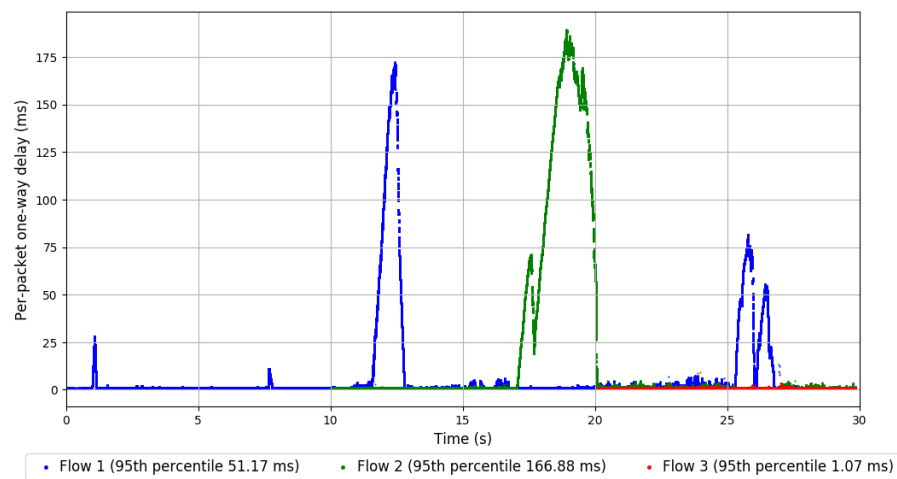
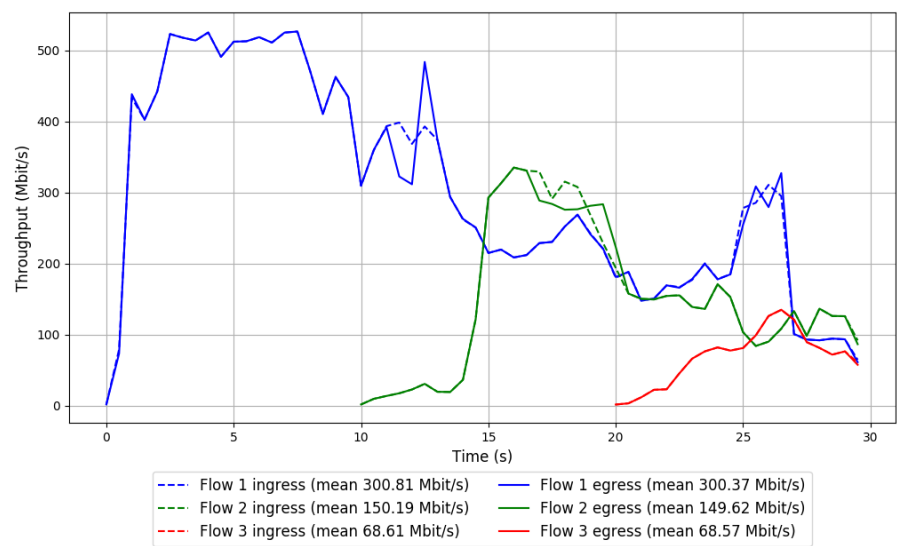


Run 10: Statistics of Vivace-latency

Start at: 2018-03-13 18:40:32
End at: 2018-03-13 18:41:02
Local clock offset: 1.037 ms
Remote clock offset: -4.764 ms

Below is generated by plot.py at 2018-03-14 02:10:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.34 Mbit/s
95th percentile per-packet one-way delay: 106.031 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 300.37 Mbit/s
95th percentile per-packet one-way delay: 51.171 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 149.62 Mbit/s
95th percentile per-packet one-way delay: 166.877 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 68.57 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.25%

Run 10: Report of Vivace-latency — Data Link

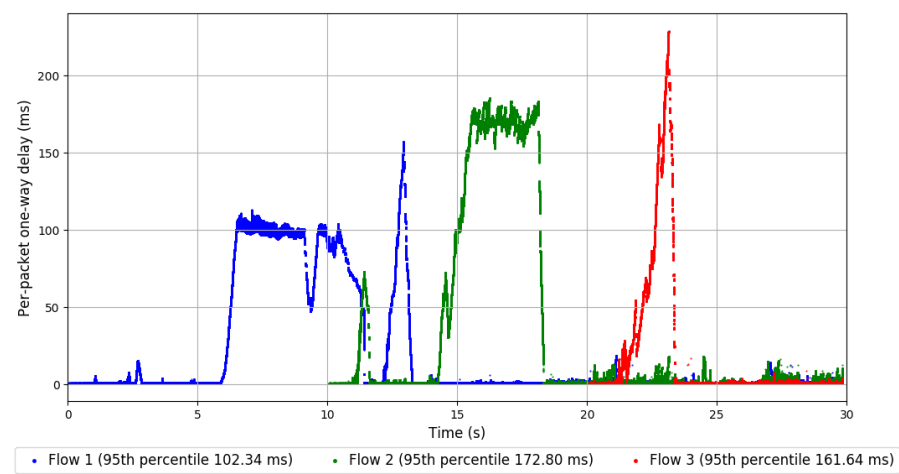
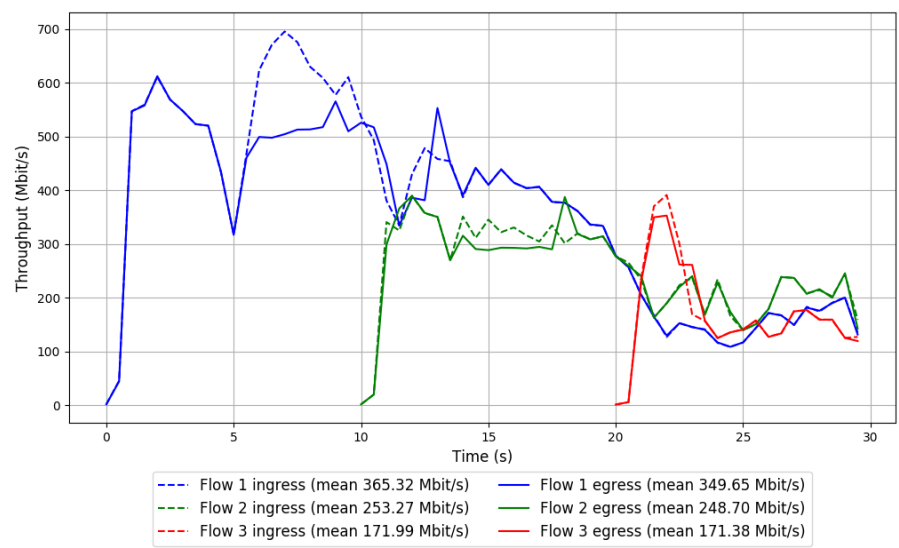


```
Run 1: Statistics of Vivace-loss

Start at: 2018-03-13 14:11:30
End at: 2018-03-13 14:12:00
Local clock offset: 1.653 ms
Remote clock offset: -6.537 ms

# Below is generated by plot.py at 2018-03-14 02:14:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 570.92 Mbit/s
95th percentile per-packet one-way delay: 159.338 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 349.65 Mbit/s
95th percentile per-packet one-way delay: 102.340 ms
Loss rate: 4.35%
-- Flow 2:
Average throughput: 248.70 Mbit/s
95th percentile per-packet one-way delay: 172.799 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 171.38 Mbit/s
95th percentile per-packet one-way delay: 161.639 ms
Loss rate: 0.56%
```

Run 1: Report of Vivace-loss — Data Link

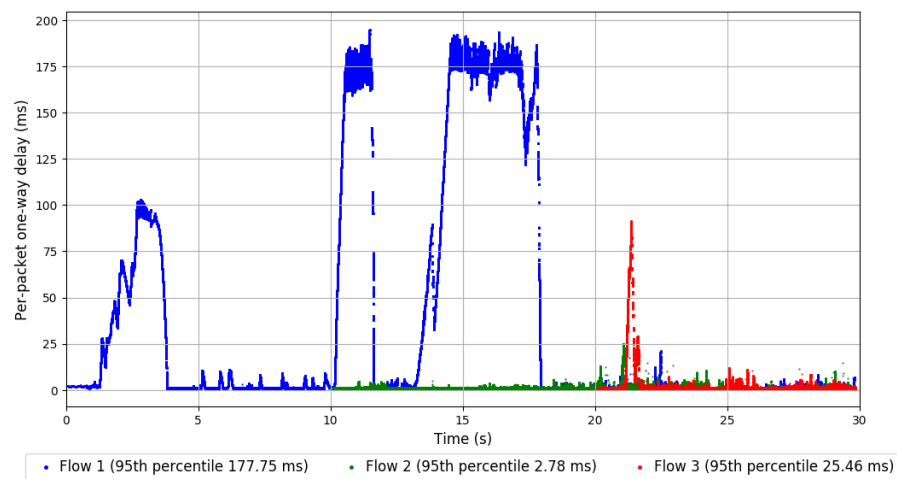
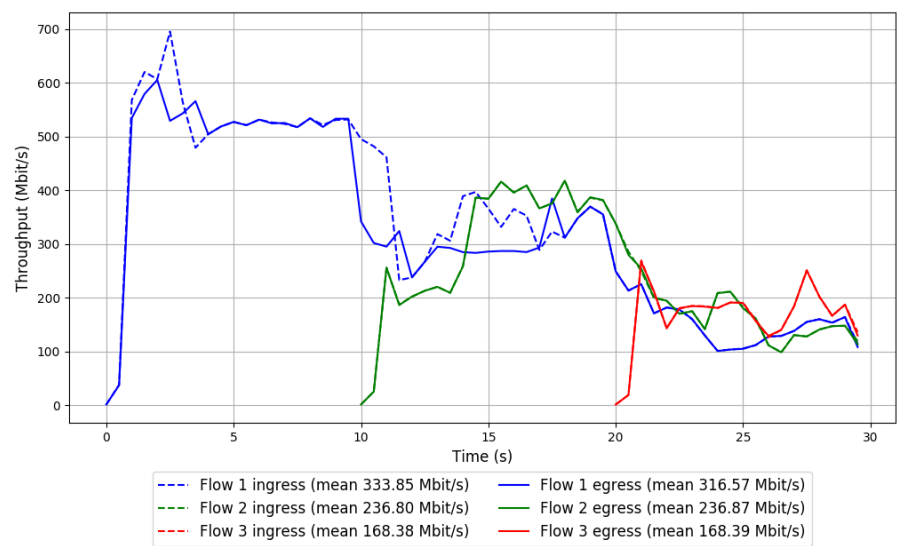


Run 2: Statistics of Vivace-loss

Start at: 2018-03-13 14:40:50
End at: 2018-03-13 14:41:20
Local clock offset: 2.484 ms
Remote clock offset: -5.851 ms

Below is generated by plot.py at 2018-03-14 02:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.28 Mbit/s
95th percentile per-packet one-way delay: 173.207 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 316.57 Mbit/s
95th percentile per-packet one-way delay: 177.754 ms
Loss rate: 5.27%
-- Flow 2:
Average throughput: 236.87 Mbit/s
95th percentile per-packet one-way delay: 2.784 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 168.39 Mbit/s
95th percentile per-packet one-way delay: 25.458 ms
Loss rate: 0.19%

Run 2: Report of Vivace-loss — Data Link

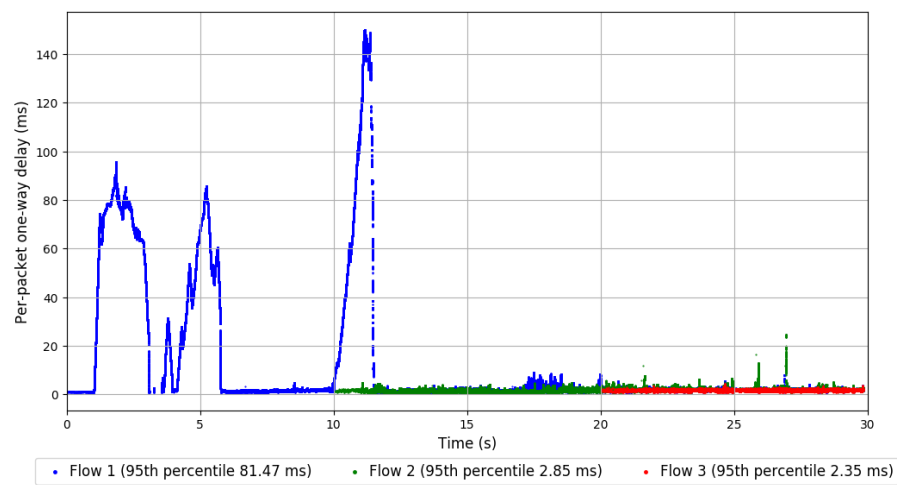
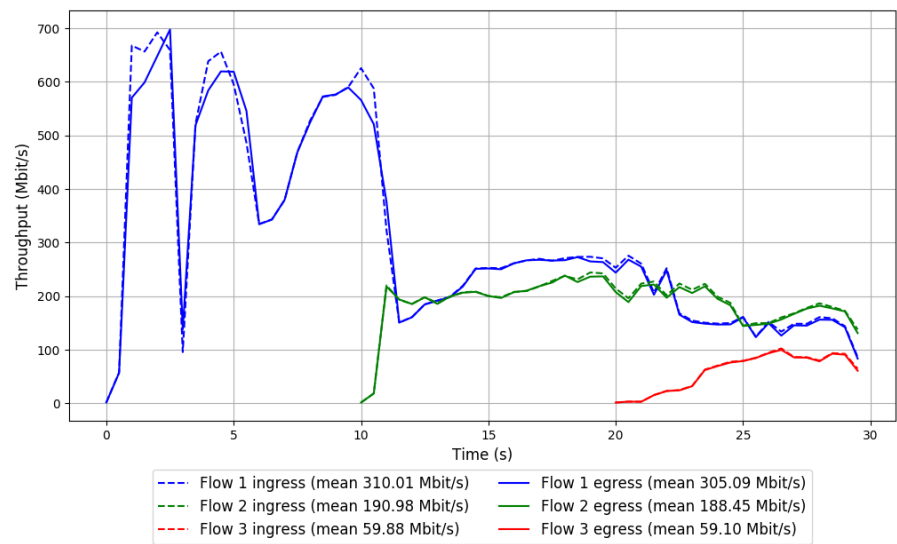


Run 3: Statistics of Vivace-loss

Start at: 2018-03-13 15:10:17
End at: 2018-03-13 15:10:47
Local clock offset: 2.82 ms
Remote clock offset: -6.168 ms

Below is generated by plot.py at 2018-03-14 02:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 449.60 Mbit/s
95th percentile per-packet one-way delay: 78.309 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 305.09 Mbit/s
95th percentile per-packet one-way delay: 81.474 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 188.45 Mbit/s
95th percentile per-packet one-way delay: 2.855 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 1.57%

Run 3: Report of Vivace-loss — Data Link

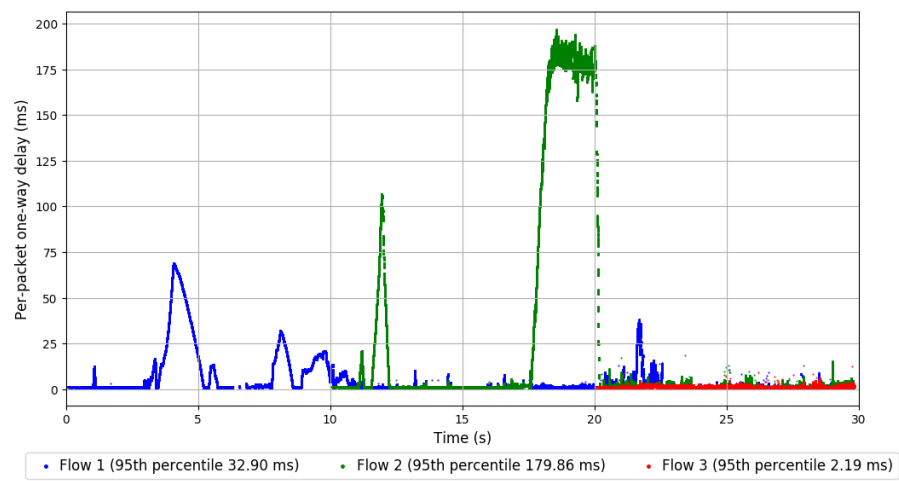
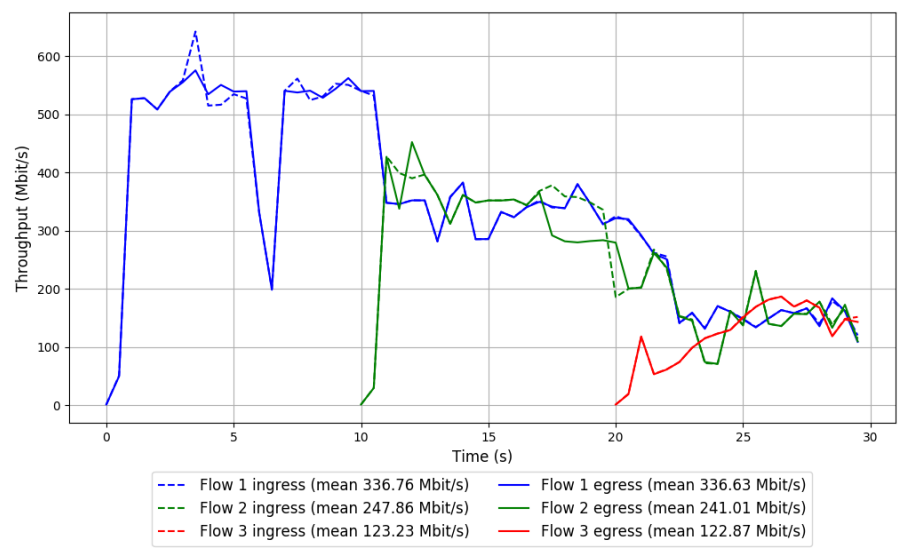


Run 4: Statistics of Vivace-loss

Start at: 2018-03-13 15:39:49
End at: 2018-03-13 15:40:19
Local clock offset: 0.606 ms
Remote clock offset: -4.804 ms

Below is generated by plot.py at 2018-03-14 02:14:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 537.17 Mbit/s
95th percentile per-packet one-way delay: 66.818 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 336.63 Mbit/s
95th percentile per-packet one-way delay: 32.901 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 241.01 Mbit/s
95th percentile per-packet one-way delay: 179.861 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 122.87 Mbit/s
95th percentile per-packet one-way delay: 2.195 ms
Loss rate: 0.55%

Run 4: Report of Vivace-loss — Data Link

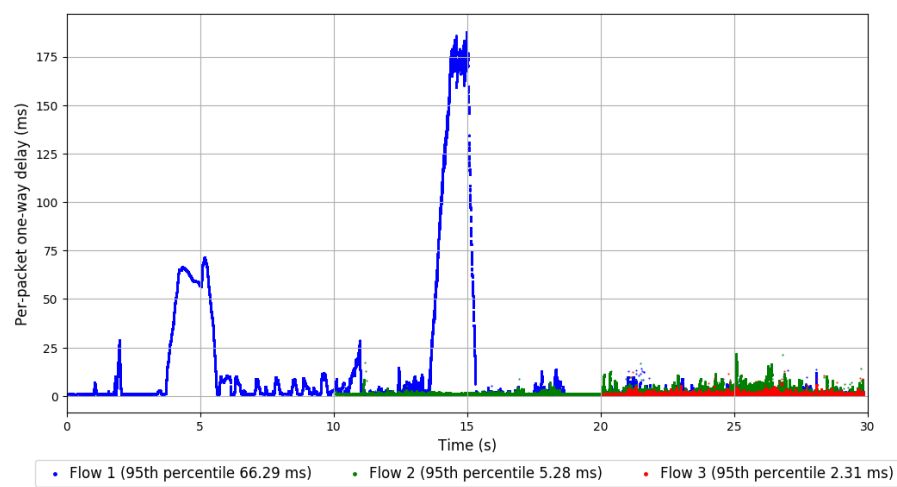
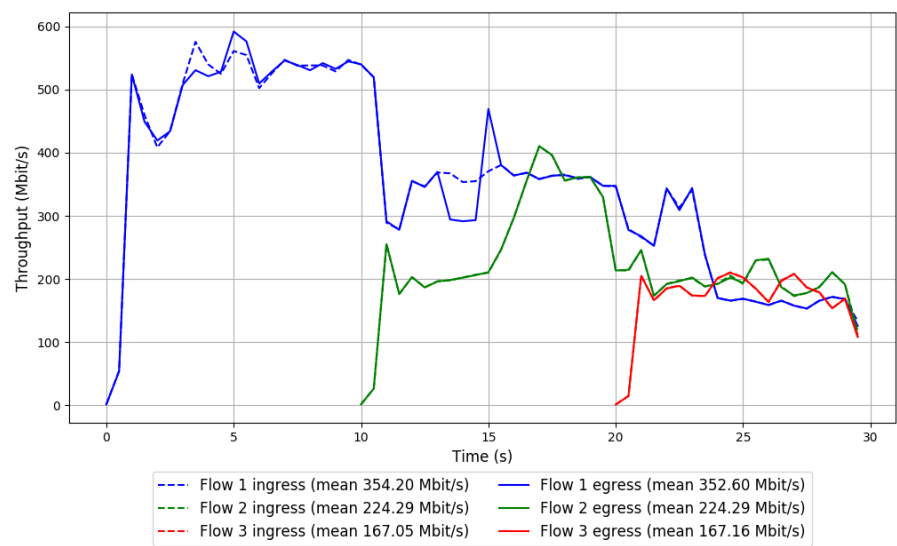


Run 5: Statistics of Vivace-loss

Start at: 2018-03-13 16:09:00
End at: 2018-03-13 16:09:30
Local clock offset: -0.127 ms
Remote clock offset: -4.042 ms

Below is generated by plot.py at 2018-03-14 02:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 556.41 Mbit/s
95th percentile per-packet one-way delay: 60.833 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 352.60 Mbit/s
95th percentile per-packet one-way delay: 66.288 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 224.29 Mbit/s
95th percentile per-packet one-way delay: 5.280 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 167.16 Mbit/s
95th percentile per-packet one-way delay: 2.309 ms
Loss rate: 0.13%

Run 5: Report of Vivace-loss — Data Link

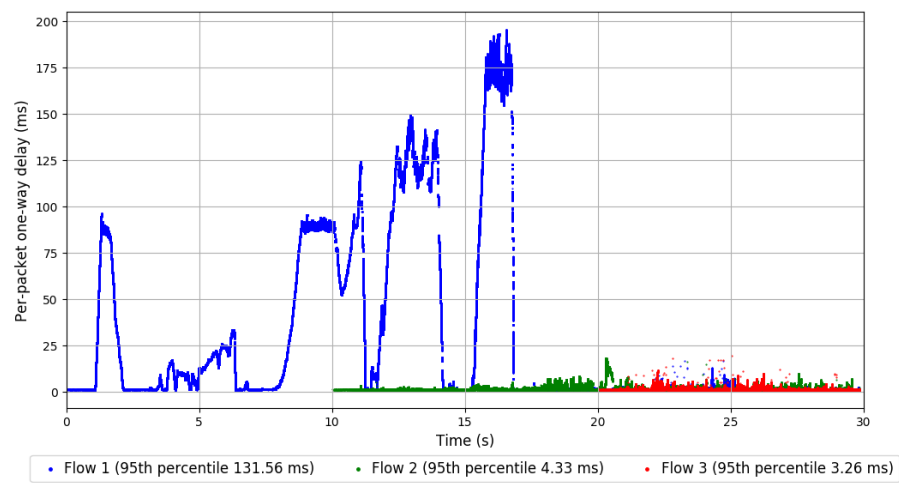
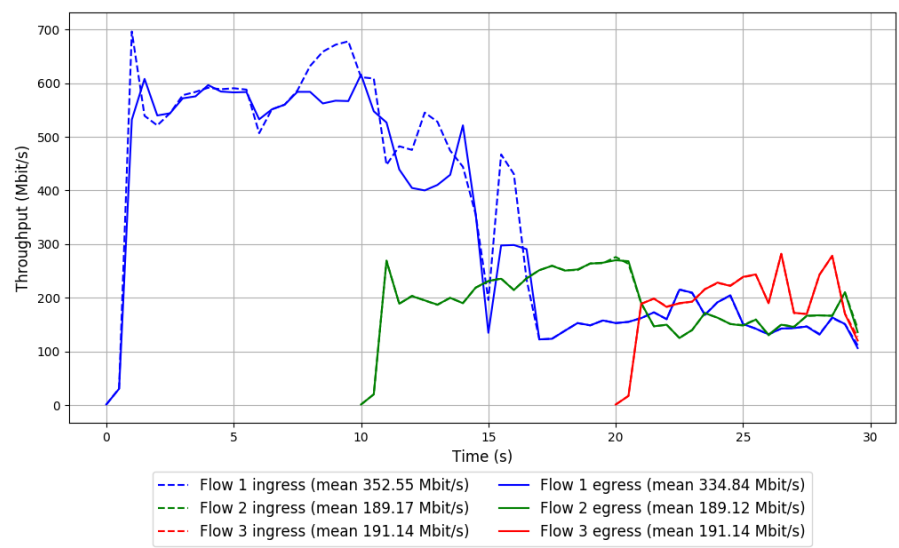


Run 6: Statistics of Vivace-loss

Start at: 2018-03-13 16:38:35
End at: 2018-03-13 16:39:05
Local clock offset: -0.712 ms
Remote clock offset: -5.288 ms

Below is generated by plot.py at 2018-03-14 02:16:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 523.18 Mbit/s
95th percentile per-packet one-way delay: 119.694 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 334.84 Mbit/s
95th percentile per-packet one-way delay: 131.559 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 189.12 Mbit/s
95th percentile per-packet one-way delay: 4.330 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 191.14 Mbit/s
95th percentile per-packet one-way delay: 3.256 ms
Loss rate: 0.20%

Run 6: Report of Vivace-loss — Data Link

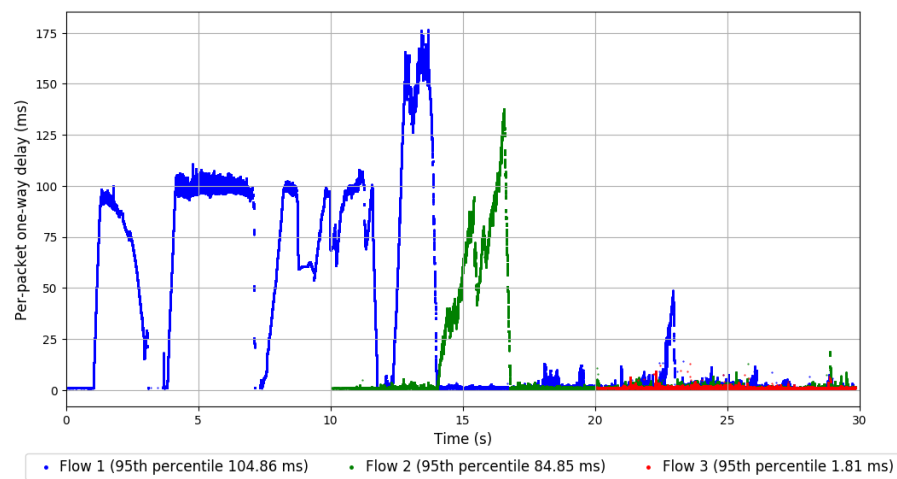
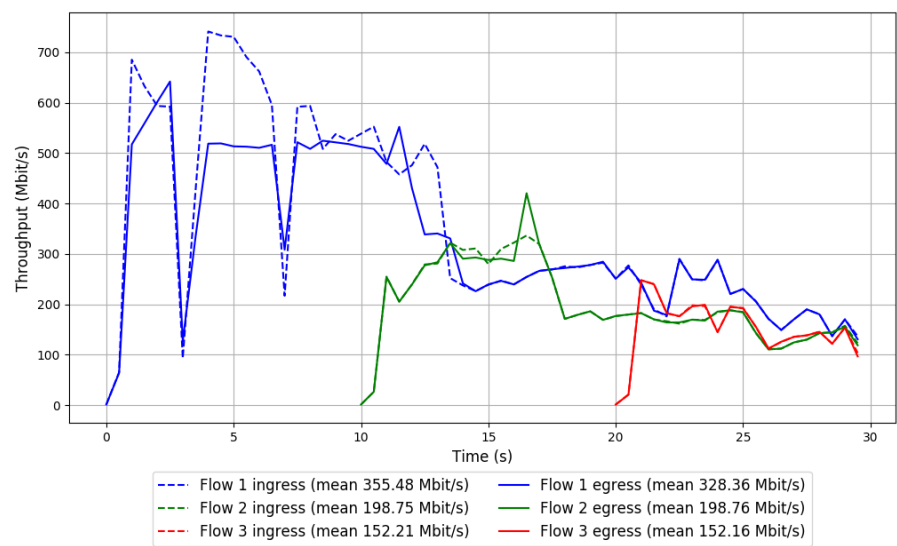


Run 7: Statistics of Vivace-loss

Start at: 2018-03-13 17:07:32
End at: 2018-03-13 17:08:02
Local clock offset: 0.542 ms
Remote clock offset: -7.108 ms

Below is generated by plot.py at 2018-03-14 02:17:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 510.30 Mbit/s
95th percentile per-packet one-way delay: 103.394 ms
Loss rate: 5.13%
-- Flow 1:
Average throughput: 328.36 Mbit/s
95th percentile per-packet one-way delay: 104.863 ms
Loss rate: 7.69%
-- Flow 2:
Average throughput: 198.76 Mbit/s
95th percentile per-packet one-way delay: 84.851 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 152.16 Mbit/s
95th percentile per-packet one-way delay: 1.806 ms
Loss rate: 0.24%

Run 7: Report of Vivace-loss — Data Link

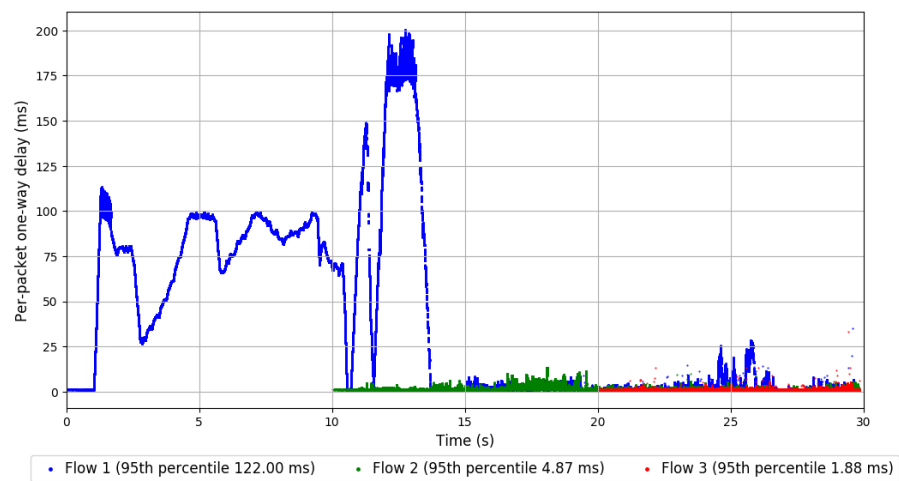
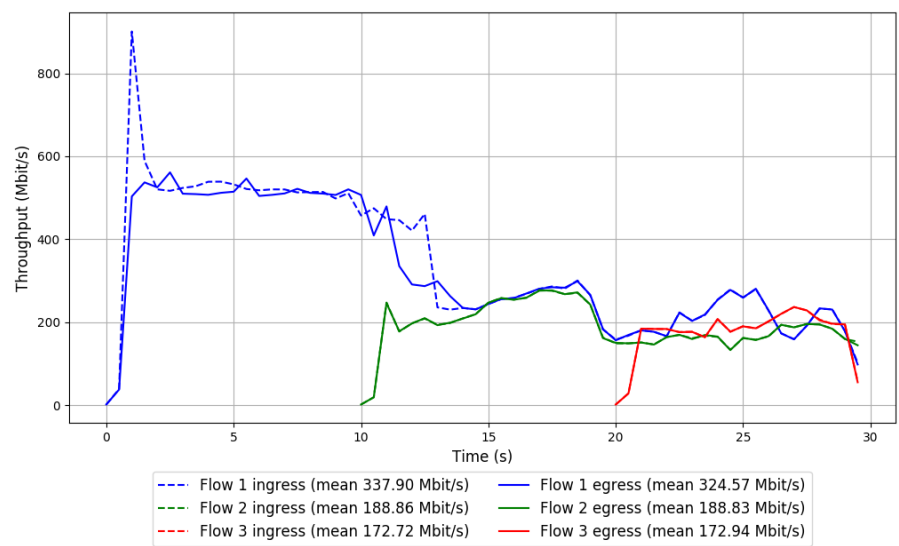


Run 8: Statistics of Vivace-loss

Start at: 2018-03-13 17:36:31
End at: 2018-03-13 17:37:01
Local clock offset: 1.203 ms
Remote clock offset: -7.905 ms

Below is generated by plot.py at 2018-03-14 02:18:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.79 Mbit/s
95th percentile per-packet one-way delay: 99.085 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 324.57 Mbit/s
95th percentile per-packet one-way delay: 122.005 ms
Loss rate: 4.01%
-- Flow 2:
Average throughput: 188.83 Mbit/s
95th percentile per-packet one-way delay: 4.866 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 172.94 Mbit/s
95th percentile per-packet one-way delay: 1.876 ms
Loss rate: 0.08%

Run 8: Report of Vivace-loss — Data Link

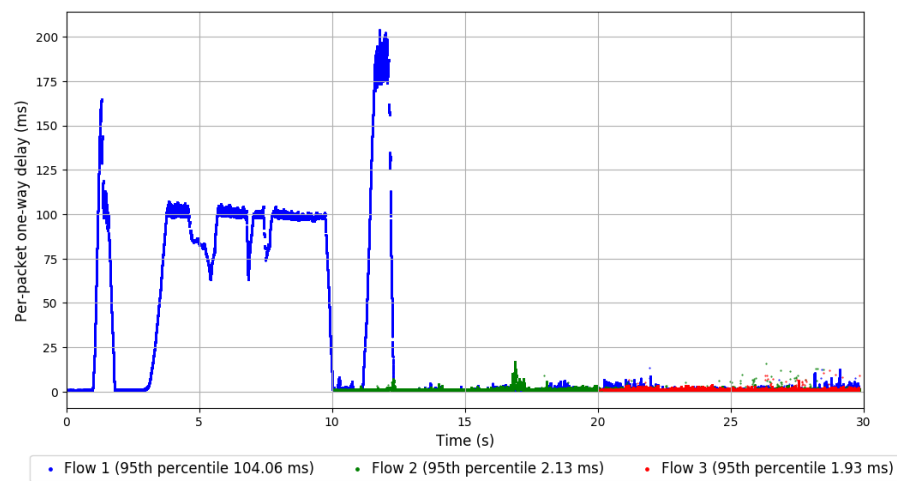
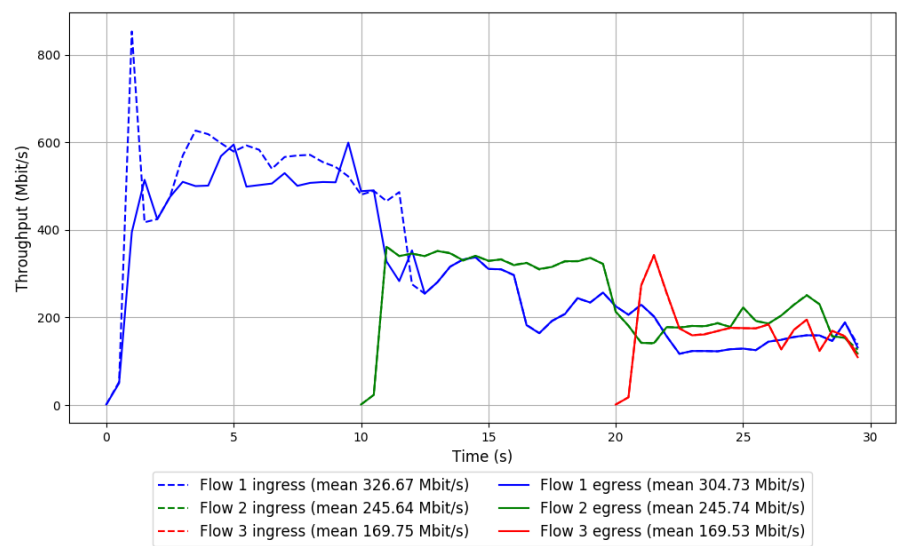


Run 9: Statistics of Vivace-loss

Start at: 2018-03-13 18:05:53
End at: 2018-03-13 18:06:23
Local clock offset: 1.121 ms
Remote clock offset: -4.617 ms

Below is generated by plot.py at 2018-03-14 02:21:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 523.35 Mbit/s
95th percentile per-packet one-way delay: 101.878 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 304.73 Mbit/s
95th percentile per-packet one-way delay: 104.055 ms
Loss rate: 6.79%
-- Flow 2:
Average throughput: 245.74 Mbit/s
95th percentile per-packet one-way delay: 2.128 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 169.53 Mbit/s
95th percentile per-packet one-way delay: 1.925 ms
Loss rate: 0.24%

Run 9: Report of Vivace-loss — Data Link

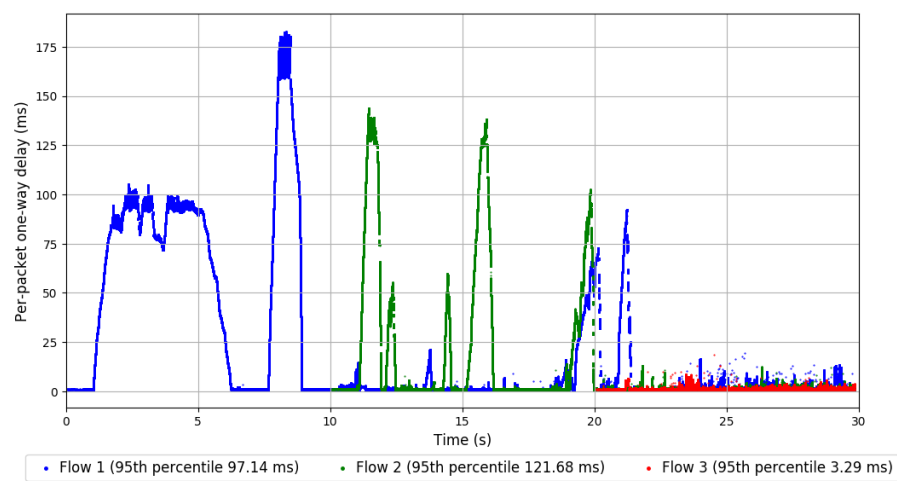
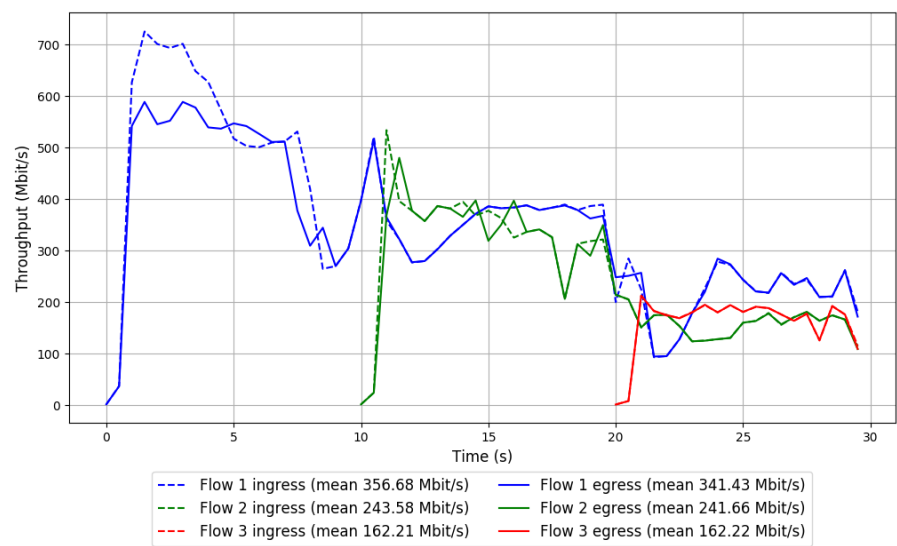


Run 10: Statistics of Vivace-loss

Start at: 2018-03-13 18:35:21
End at: 2018-03-13 18:35:51
Local clock offset: 1.1 ms
Remote clock offset: -4.823 ms

Below is generated by plot.py at 2018-03-14 02:23:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.22 Mbit/s
95th percentile per-packet one-way delay: 97.382 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 341.43 Mbit/s
95th percentile per-packet one-way delay: 97.137 ms
Loss rate: 4.35%
-- Flow 2:
Average throughput: 241.66 Mbit/s
95th percentile per-packet one-way delay: 121.682 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 162.22 Mbit/s
95th percentile per-packet one-way delay: 3.285 ms
Loss rate: 0.19%

Run 10: Report of Vivace-loss — Data Link

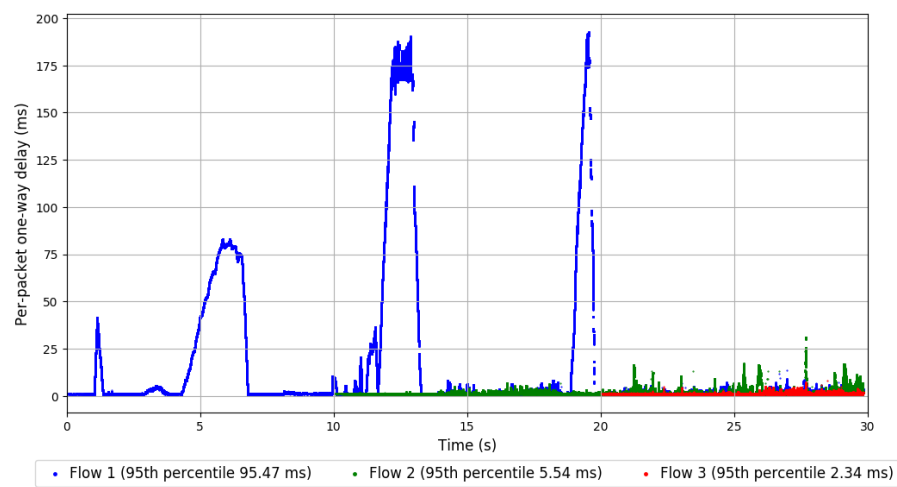
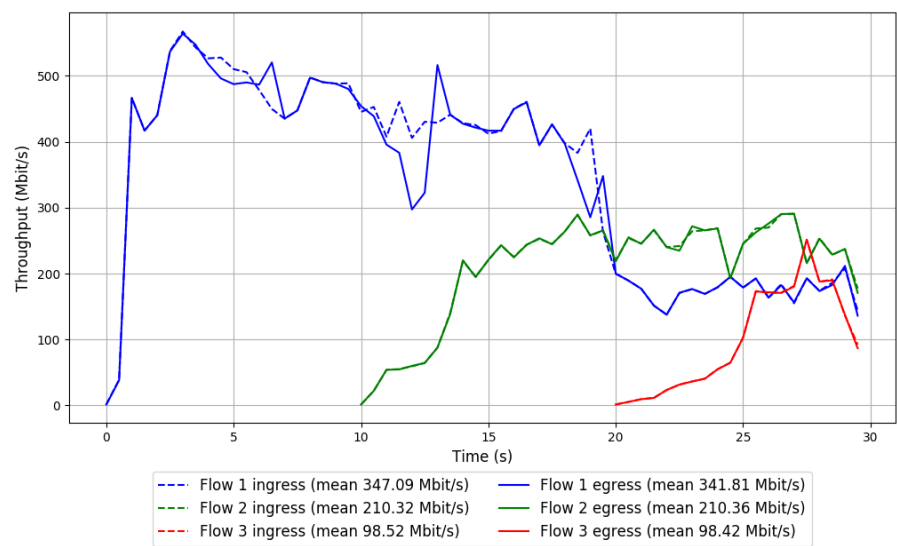


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-13 14:15:02
End at: 2018-03-13 14:15:32
Local clock offset: 1.876 ms
Remote clock offset: -6.474 ms

Below is generated by plot.py at 2018-03-14 02:23:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 513.81 Mbit/s
95th percentile per-packet one-way delay: 79.225 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 341.81 Mbit/s
95th percentile per-packet one-way delay: 95.466 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 210.36 Mbit/s
95th percentile per-packet one-way delay: 5.543 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 98.42 Mbit/s
95th percentile per-packet one-way delay: 2.340 ms
Loss rate: 0.30%

Run 1: Report of Vivace-LTE — Data Link

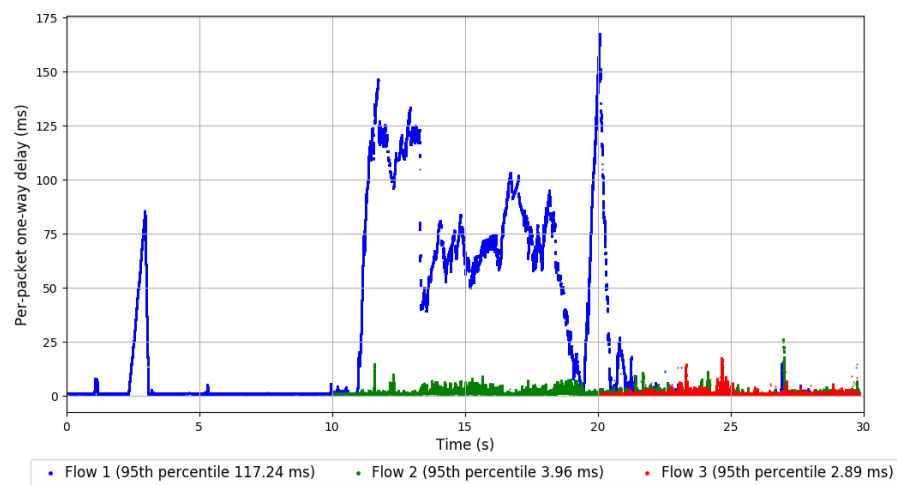
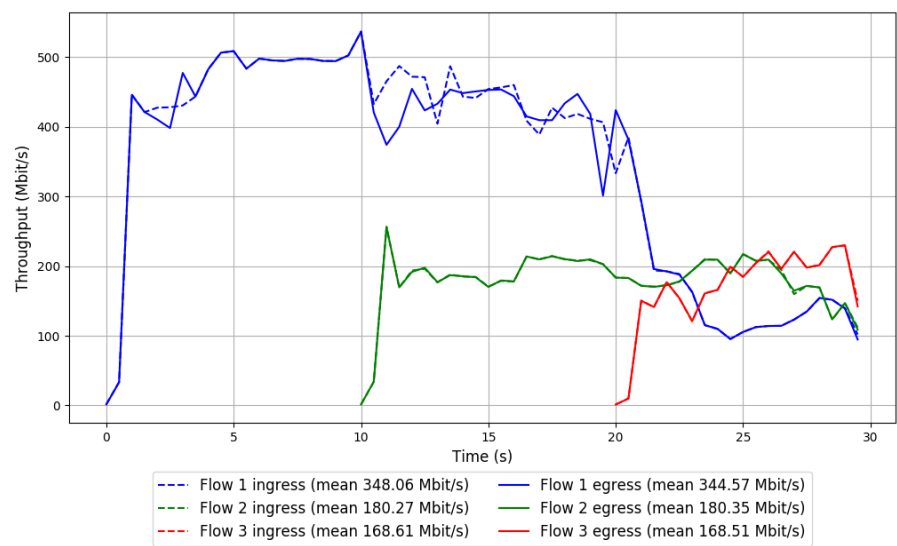


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-13 14:44:20
End at: 2018-03-13 14:44:50
Local clock offset: 2.52 ms
Remote clock offset: -5.767 ms

Below is generated by plot.py at 2018-03-14 02:23:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 519.60 Mbit/s
95th percentile per-packet one-way delay: 109.299 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 344.57 Mbit/s
95th percentile per-packet one-way delay: 117.237 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 180.35 Mbit/s
95th percentile per-packet one-way delay: 3.962 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 168.51 Mbit/s
95th percentile per-packet one-way delay: 2.891 ms
Loss rate: 0.25%

Run 2: Report of Vivace-LTE — Data Link

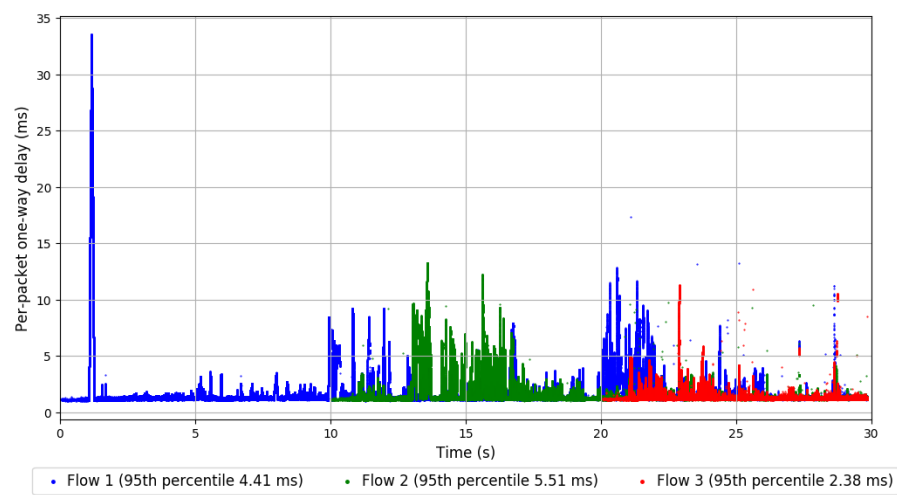
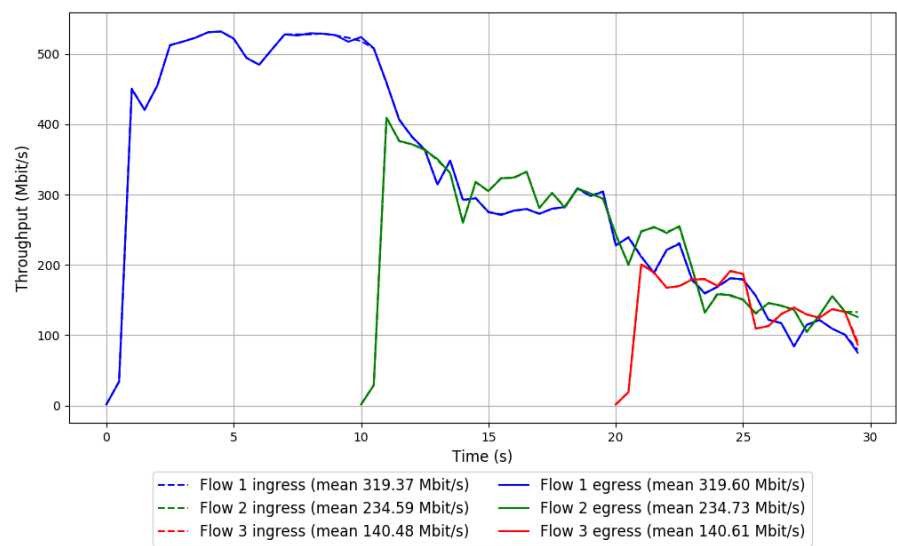


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-13 15:13:57
End at: 2018-03-13 15:14:27
Local clock offset: 2.871 ms
Remote clock offset: -6.112 ms

Below is generated by plot.py at 2018-03-14 02:23:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 521.66 Mbit/s
95th percentile per-packet one-way delay: 4.563 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 319.60 Mbit/s
95th percentile per-packet one-way delay: 4.410 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 234.73 Mbit/s
95th percentile per-packet one-way delay: 5.512 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 140.61 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.16%

Run 3: Report of Vivace-LTE — Data Link

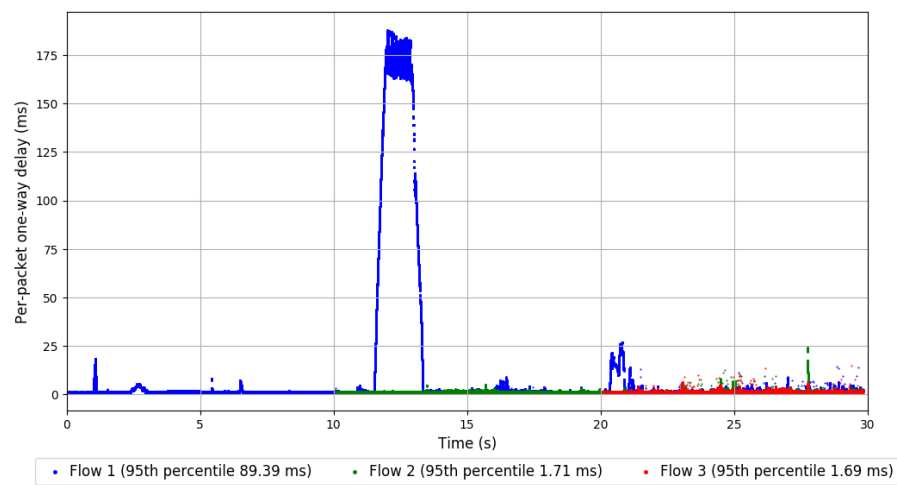
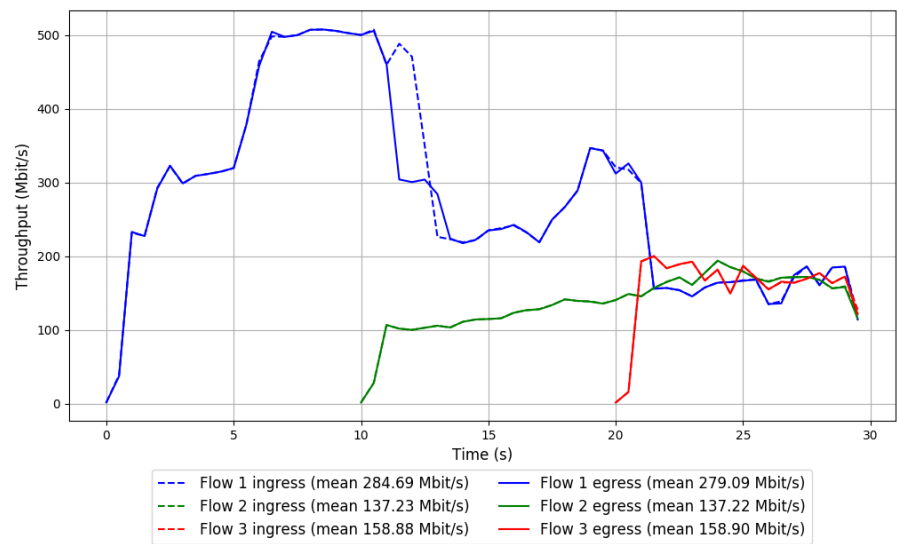


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-13 15:43:36
End at: 2018-03-13 15:44:06
Local clock offset: 0.475 ms
Remote clock offset: -4.639 ms

Below is generated by plot.py at 2018-03-14 02:23:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.42 Mbit/s
95th percentile per-packet one-way delay: 15.336 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 279.09 Mbit/s
95th percentile per-packet one-way delay: 89.385 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 137.22 Mbit/s
95th percentile per-packet one-way delay: 1.713 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 158.90 Mbit/s
95th percentile per-packet one-way delay: 1.689 ms
Loss rate: 0.20%

Run 4: Report of Vivace-LTE — Data Link

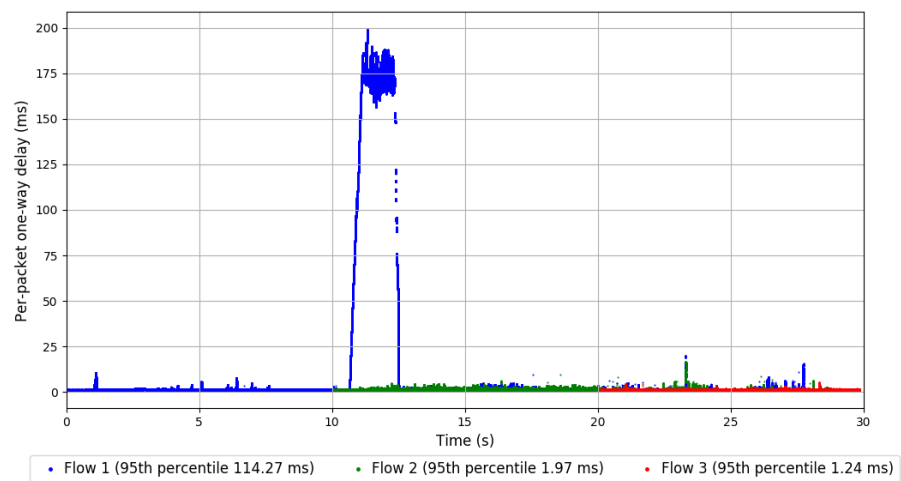
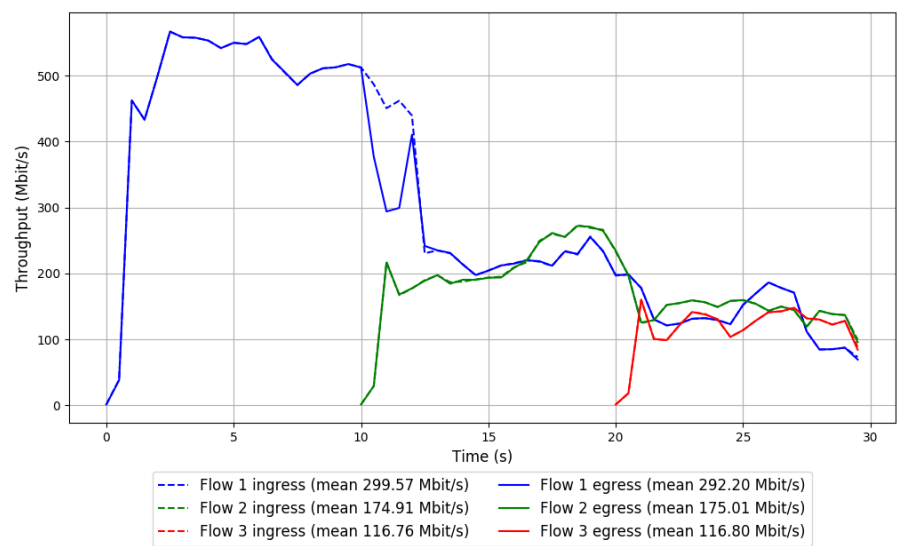


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-13 16:12:34
End at: 2018-03-13 16:13:04
Local clock offset: -0.281 ms
Remote clock offset: -4.027 ms

Below is generated by plot.py at 2018-03-14 02:24:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 446.78 Mbit/s
95th percentile per-packet one-way delay: 5.612 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 292.20 Mbit/s
95th percentile per-packet one-way delay: 114.272 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 175.01 Mbit/s
95th percentile per-packet one-way delay: 1.973 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 116.80 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.20%

Run 5: Report of Vivace-LTE — Data Link

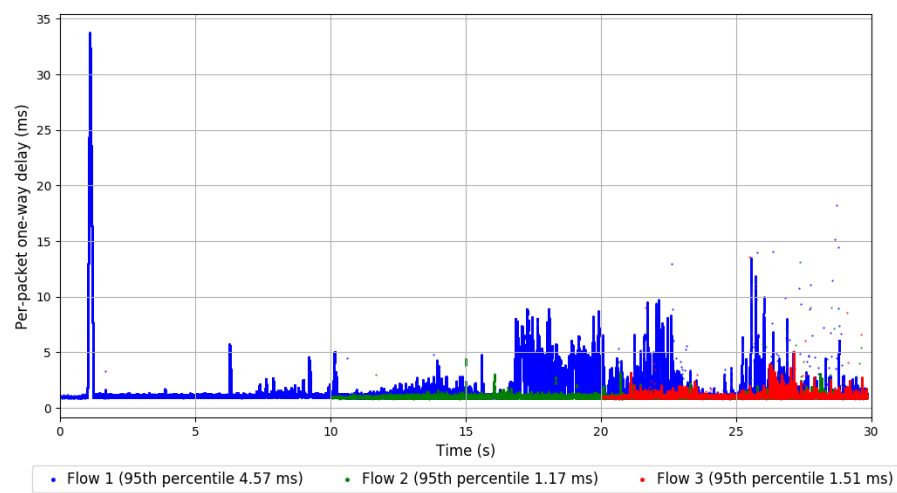
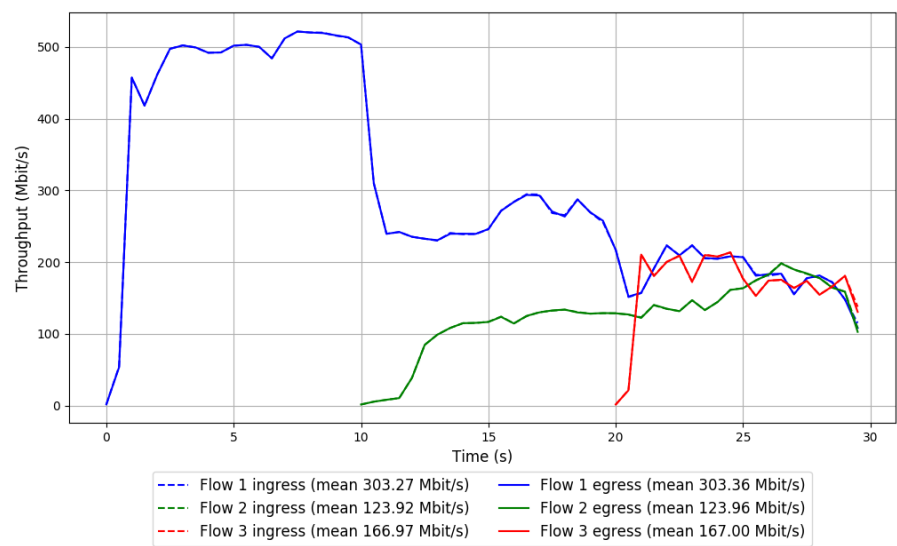


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-13 16:41:51
End at: 2018-03-13 16:42:21
Local clock offset: -0.896 ms
Remote clock offset: -5.751 ms

Below is generated by plot.py at 2018-03-14 02:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 440.60 Mbit/s
95th percentile per-packet one-way delay: 3.779 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 303.36 Mbit/s
95th percentile per-packet one-way delay: 4.571 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 123.96 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 167.00 Mbit/s
95th percentile per-packet one-way delay: 1.514 ms
Loss rate: 0.22%

Run 6: Report of Vivace-LTE — Data Link

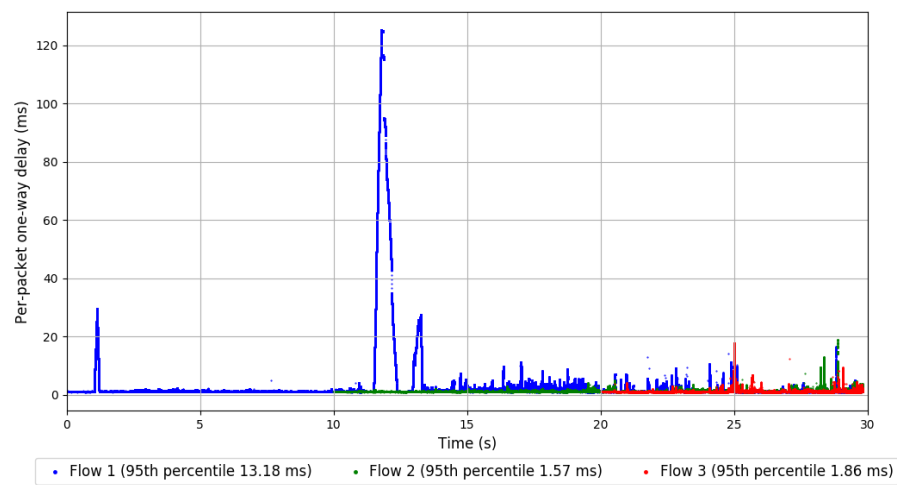
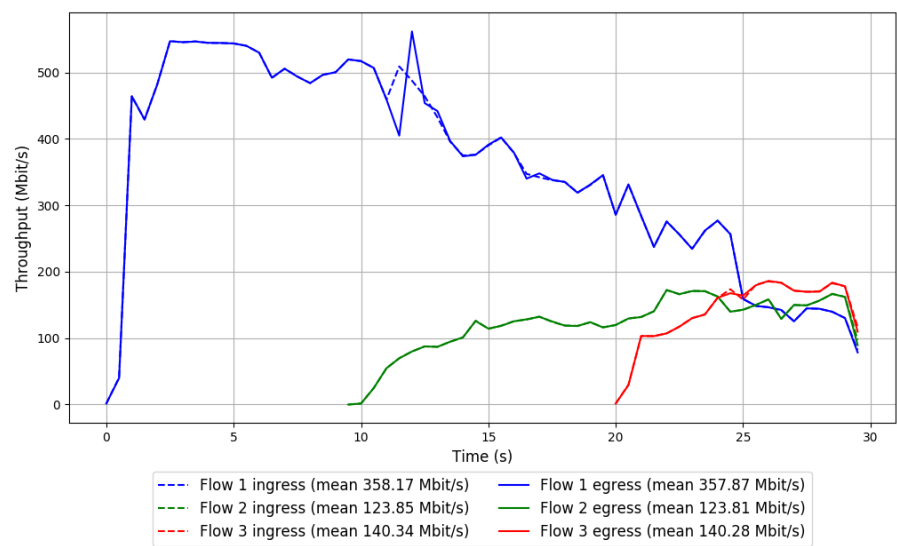


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-13 17:11:04
End at: 2018-03-13 17:11:34
Local clock offset: 0.812 ms
Remote clock offset: -7.134 ms

Below is generated by plot.py at 2018-03-14 02:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 486.28 Mbit/s
95th percentile per-packet one-way delay: 6.569 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 357.87 Mbit/s
95th percentile per-packet one-way delay: 13.181 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 123.81 Mbit/s
95th percentile per-packet one-way delay: 1.571 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 140.28 Mbit/s
95th percentile per-packet one-way delay: 1.861 ms
Loss rate: 0.25%

Run 7: Report of Vivace-LTE — Data Link

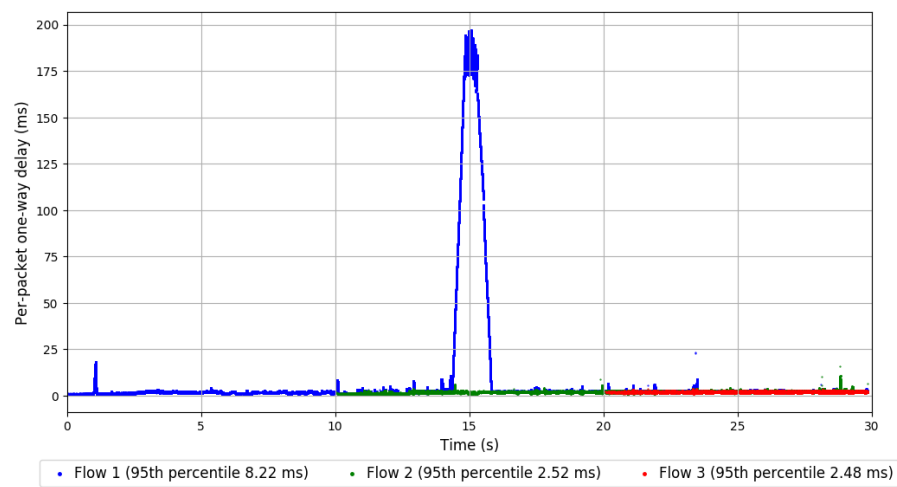
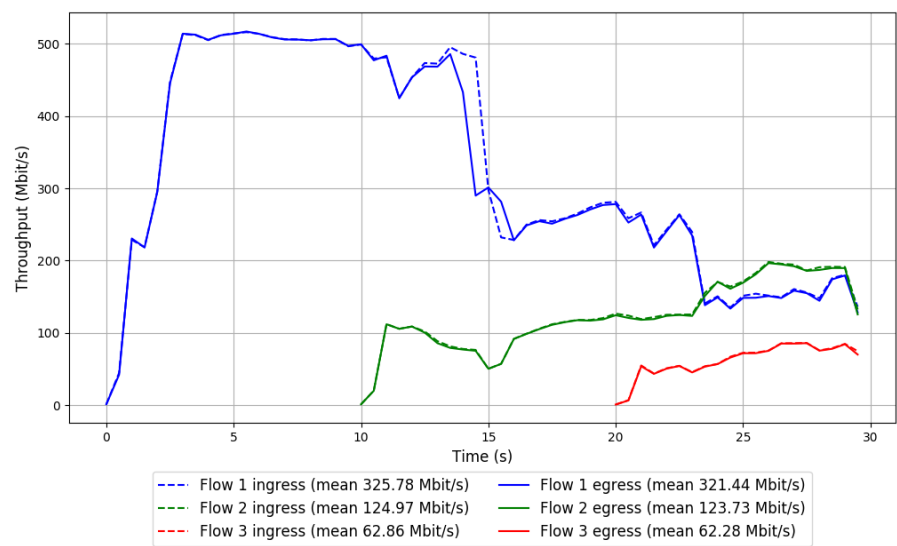


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-13 17:39:59
End at: 2018-03-13 17:40:29
Local clock offset: 1.062 ms
Remote clock offset: -7.716 ms

Below is generated by plot.py at 2018-03-14 02:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.93 Mbit/s
95th percentile per-packet one-way delay: 4.295 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 321.44 Mbit/s
95th percentile per-packet one-way delay: 8.220 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 123.73 Mbit/s
95th percentile per-packet one-way delay: 2.521 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 62.28 Mbit/s
95th percentile per-packet one-way delay: 2.476 ms
Loss rate: 1.13%

Run 8: Report of Vivace-LTE — Data Link

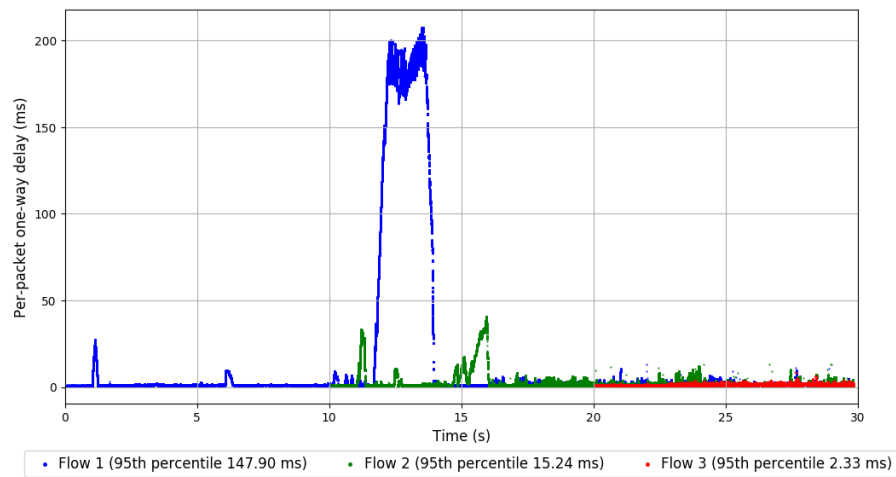
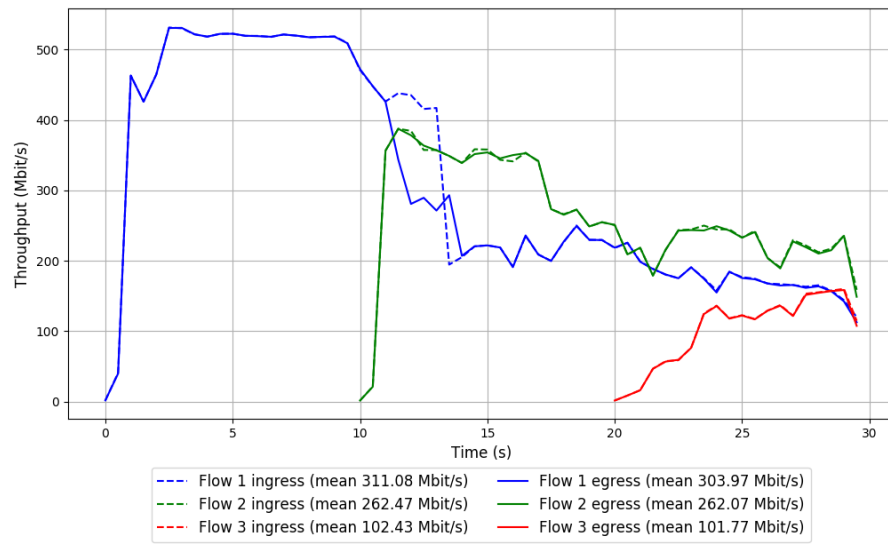


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-13 18:09:24
End at: 2018-03-13 18:09:54
Local clock offset: 1.081 ms
Remote clock offset: -4.452 ms

Below is generated by plot.py at 2018-03-14 02:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 511.35 Mbit/s
95th percentile per-packet one-way delay: 27.543 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 303.97 Mbit/s
95th percentile per-packet one-way delay: 147.897 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 262.07 Mbit/s
95th percentile per-packet one-way delay: 15.244 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 101.77 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.84%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-13 18:38:53
End at: 2018-03-13 18:39:23
Local clock offset: 1.005 ms
Remote clock offset: -4.766 ms

Below is generated by plot.py at 2018-03-14 02:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.10 Mbit/s
95th percentile per-packet one-way delay: 3.983 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 266.63 Mbit/s
95th percentile per-packet one-way delay: 8.848 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 116.58 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.29%

Run 10: Report of Vivace-LTE — Data Link

