

Pantheon Report

Generated at 2018-02-28 12:23:15 (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).

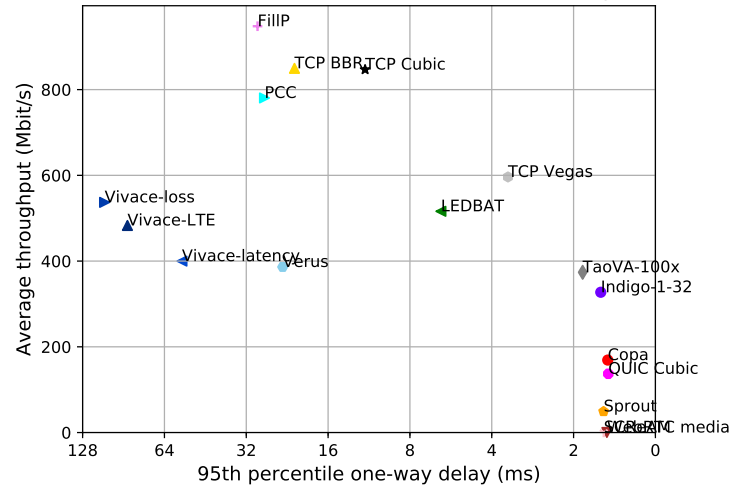
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

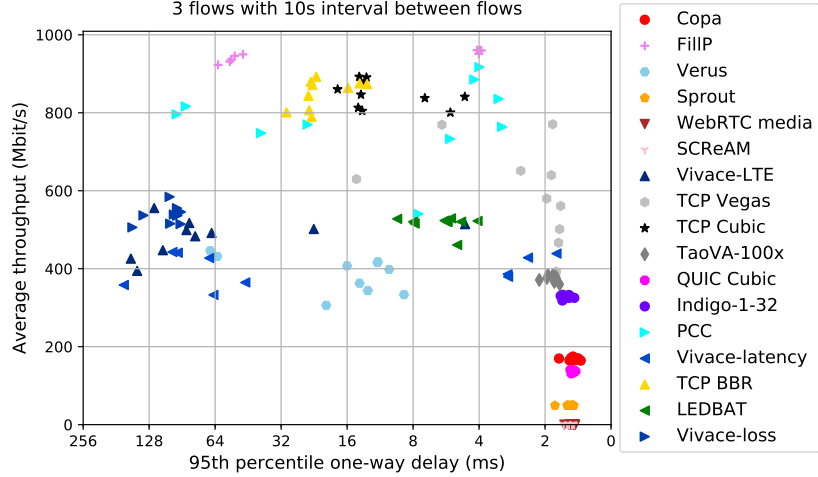
Git summary:

```
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



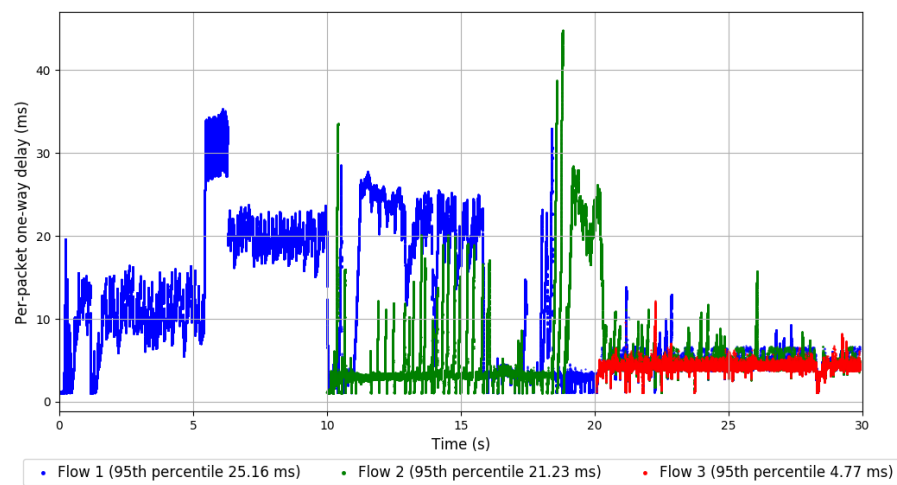
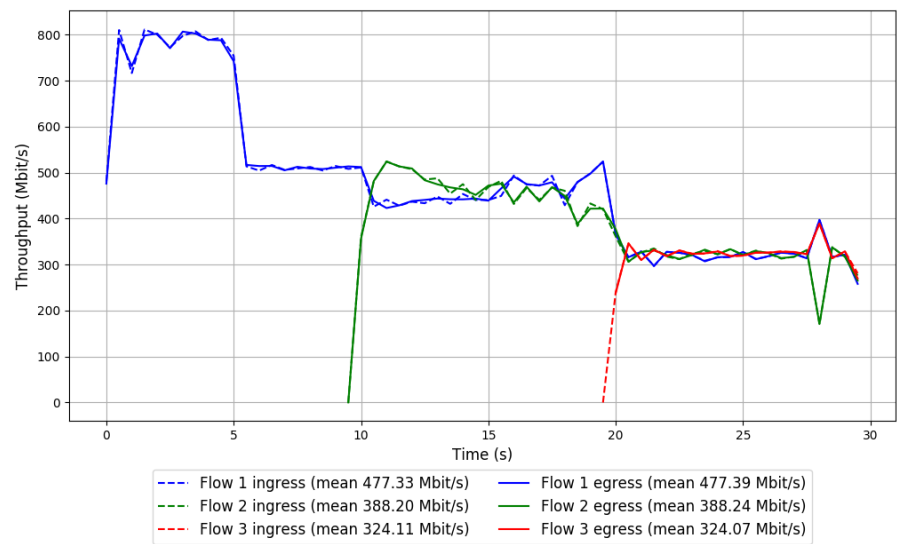
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	488.75	383.34	319.52	19.71	18.51	4.98	0.06	0.11	0.23
TCP Cubic	10	483.63	385.88	320.89	12.60	9.07	4.48	0.05	0.09	0.24
LEDBAT	10	295.87	242.94	177.46	6.67	5.39	3.49	0.05	0.09	0.28
PCC	10	575.12	223.00	174.56	30.67	3.15	3.09	1.09	0.11	0.21
QUIC Cubic	10	73.45	66.64	58.50	1.15	1.16	1.16	0.06	0.09	0.22
SCReAM	10	0.22	0.22	0.22	1.27	1.25	1.24	0.00	0.02	0.35
WebRTC media	10	0.05	0.05	0.05	1.17	1.15	1.19	0.01	0.01	0.00
Sprout	10	24.84	24.70	24.37	1.25	1.27	1.29	0.05	0.18	0.27
TaoVA-100x	10	209.76	182.86	128.41	1.48	2.15	1.78	0.03	0.09	0.16
TCP Vegas	10	322.02	284.17	256.89	3.67	2.29	1.85	0.05	0.08	0.21
Verus	10	225.00	179.75	127.19	22.46	19.12	4.58	0.27	0.31	0.23
Copa	10	85.55	84.55	82.63	1.12	1.17	1.20	0.05	0.07	0.14
FillP	10	577.27	400.19	316.33	31.52	4.18	4.16	1.03	0.11	0.25
Indigo-1-32	10	175.19	162.55	135.22	1.27	1.46	1.38	0.06	0.07	0.18
Vivace-latency	10	287.47	124.10	91.32	69.68	4.96	1.41	1.07	0.10	0.30
Vivace-loss	10	313.68	250.62	173.20	115.03	58.15	2.83	4.31	0.67	0.21
Vivace-LTE	10	318.20	187.65	122.76	100.74	16.37	1.57	0.99	0.13	0.23

Run 1: Statistics of TCP BBR

Start at: 2018-02-28 00:17:08
End at: 2018-02-28 00:17:38
Local clock offset: 0.432 ms
Remote clock offset: -5.416 ms

Below is generated by plot.py at 2018-02-28 10:12:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 843.46 Mbit/s
95th percentile per-packet one-way delay: 24.019 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 477.39 Mbit/s
95th percentile per-packet one-way delay: 25.156 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 388.24 Mbit/s
95th percentile per-packet one-way delay: 21.225 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 324.07 Mbit/s
95th percentile per-packet one-way delay: 4.770 ms
Loss rate: 0.22%

Run 1: Report of TCP BBR — Data Link

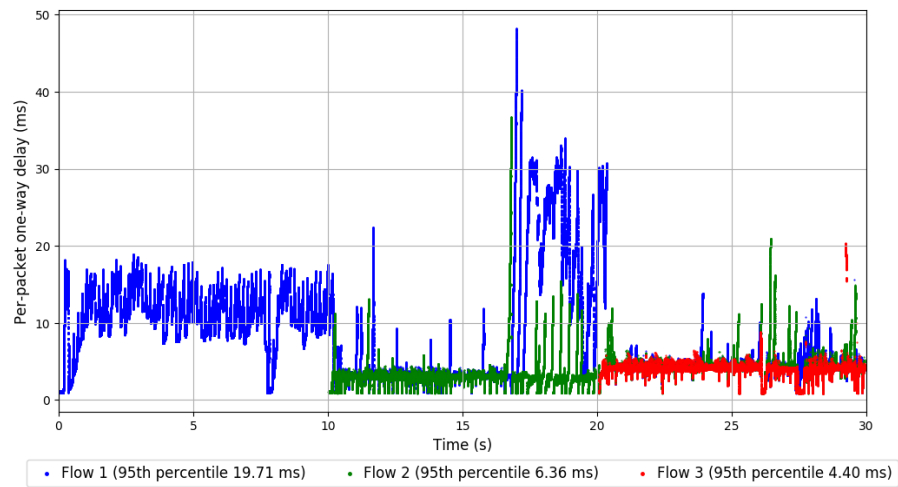
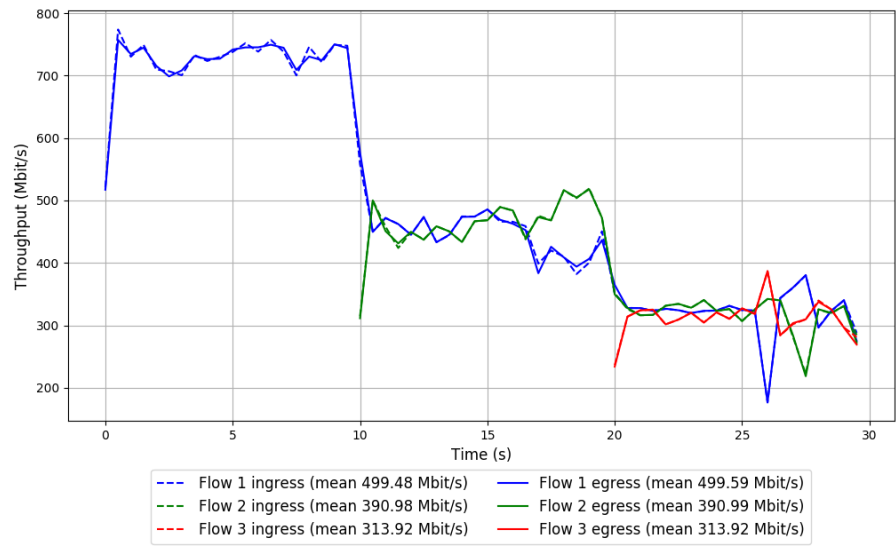


Run 2: Statistics of TCP BBR

Start at: 2018-02-28 00:46:11
End at: 2018-02-28 00:46:41
Local clock offset: -0.533 ms
Remote clock offset: -4.838 ms

Below is generated by plot.py at 2018-02-28 10:13:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 863.81 Mbit/s
95th percentile per-packet one-way delay: 15.841 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 499.59 Mbit/s
95th percentile per-packet one-way delay: 19.712 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.99 Mbit/s
95th percentile per-packet one-way delay: 6.361 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 313.92 Mbit/s
95th percentile per-packet one-way delay: 4.403 ms
Loss rate: 0.24%

Run 2: Report of TCP BBR — Data Link

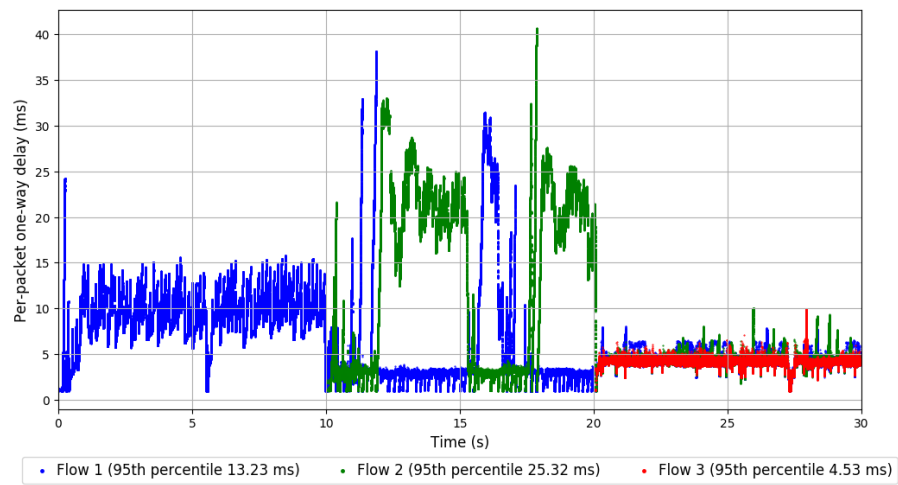
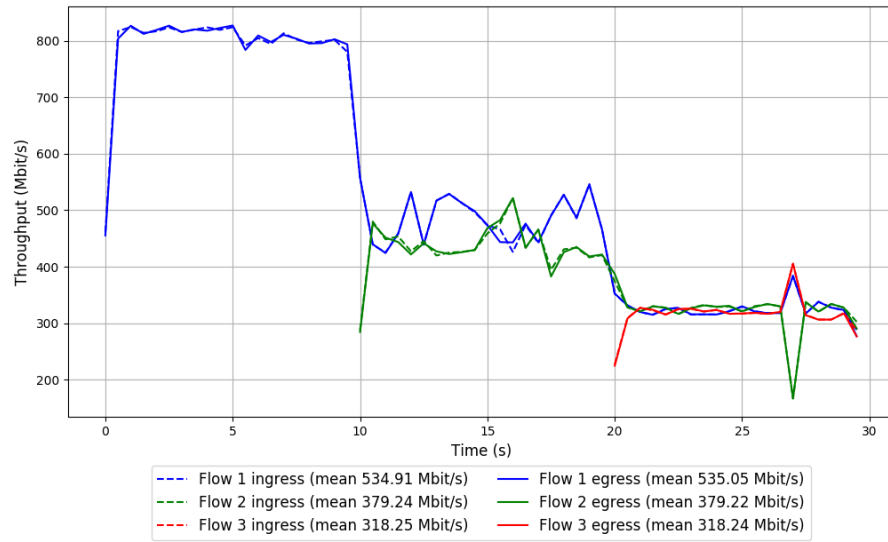


Run 3: Statistics of TCP BBR

Start at: 2018-02-28 01:15:02
End at: 2018-02-28 01:15:32
Local clock offset: -0.572 ms
Remote clock offset: -5.425 ms

Below is generated by plot.py at 2018-02-28 10:13:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 892.53 Mbit/s
95th percentile per-packet one-way delay: 22.132 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 535.05 Mbit/s
95th percentile per-packet one-way delay: 13.228 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 379.22 Mbit/s
95th percentile per-packet one-way delay: 25.324 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.24 Mbit/s
95th percentile per-packet one-way delay: 4.528 ms
Loss rate: 0.21%

Run 3: Report of TCP BBR — Data Link

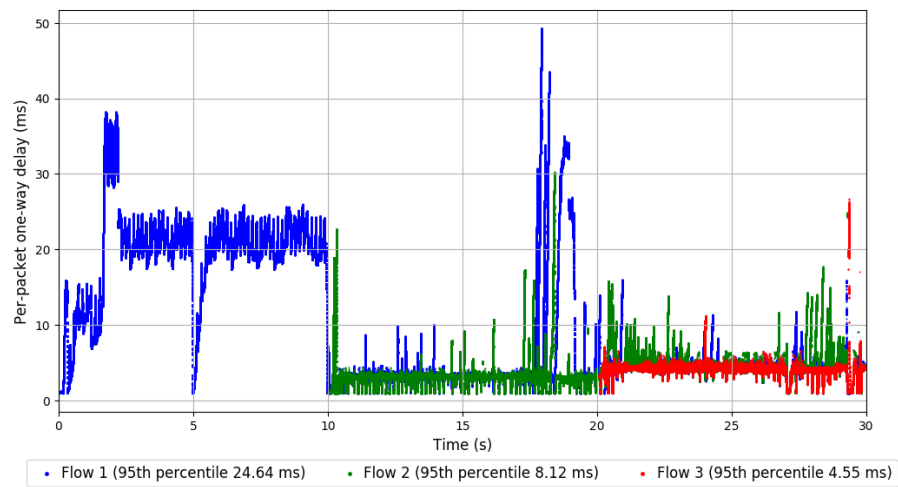
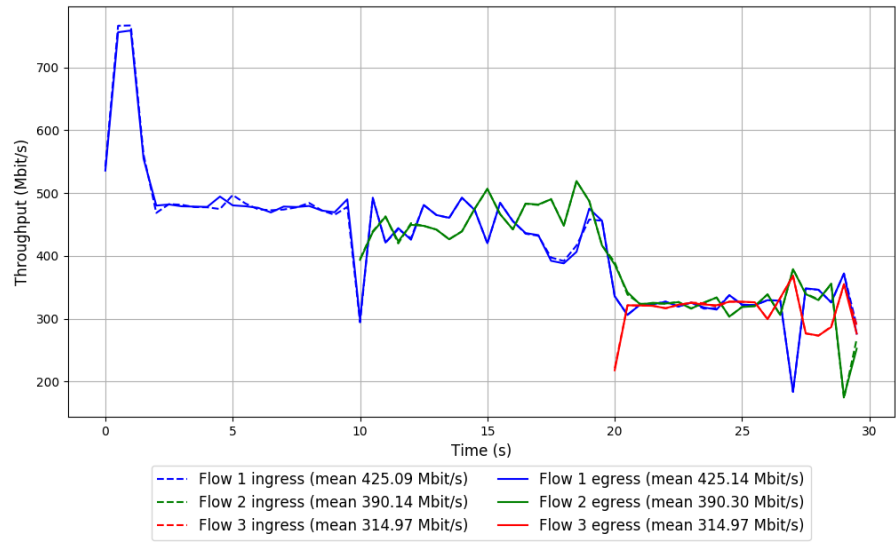


Run 4: Statistics of TCP BBR

Start at: 2018-02-28 01:44:28
End at: 2018-02-28 01:44:58
Local clock offset: -0.53 ms
Remote clock offset: -6.258 ms

Below is generated by plot.py at 2018-02-28 10:13:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 789.21 Mbit/s
95th percentile per-packet one-way delay: 23.242 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 425.14 Mbit/s
95th percentile per-packet one-way delay: 24.637 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 390.30 Mbit/s
95th percentile per-packet one-way delay: 8.117 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 314.97 Mbit/s
95th percentile per-packet one-way delay: 4.546 ms
Loss rate: 0.24%

Run 4: Report of TCP BBR — Data Link

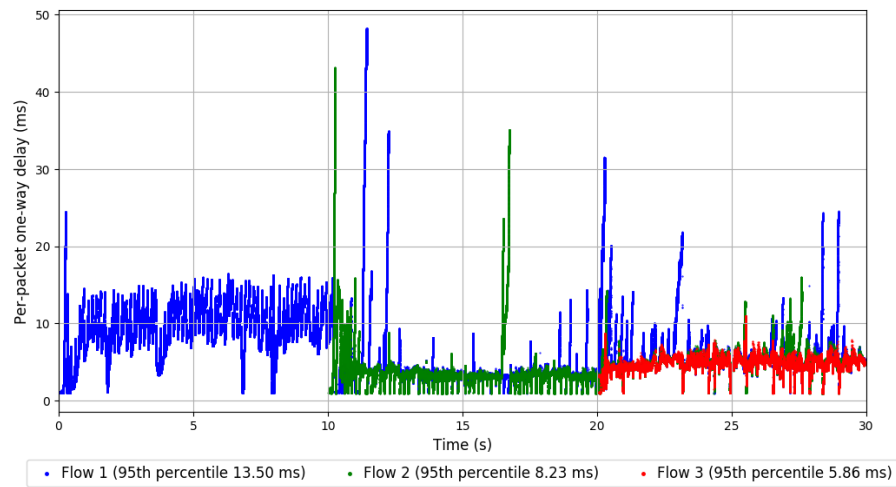
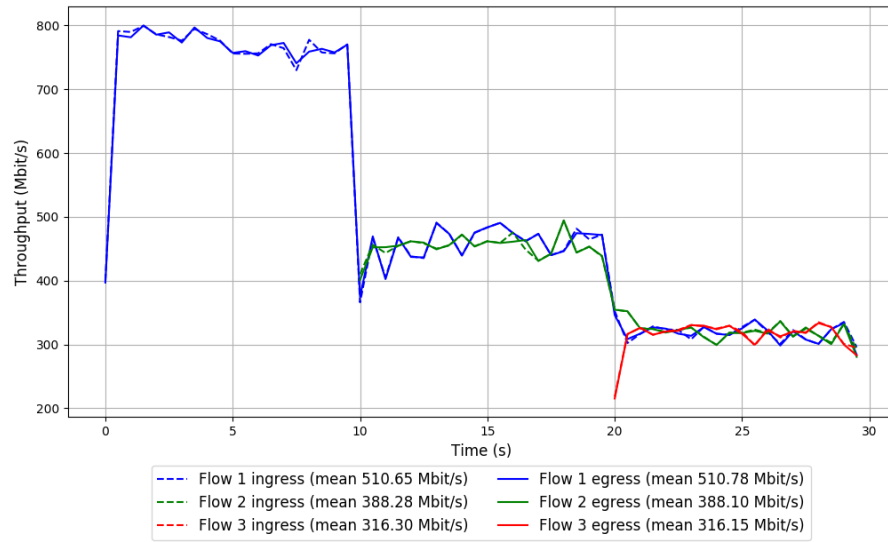


Run 5: Statistics of TCP BBR

Start at: 2018-02-28 02:13:29
End at: 2018-02-28 02:13:59
Local clock offset: 1.262 ms
Remote clock offset: -6.483 ms

Below is generated by plot.py at 2018-02-28 10:13:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 873.72 Mbit/s
95th percentile per-packet one-way delay: 12.981 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 510.78 Mbit/s
95th percentile per-packet one-way delay: 13.501 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 388.10 Mbit/s
95th percentile per-packet one-way delay: 8.231 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 316.15 Mbit/s
95th percentile per-packet one-way delay: 5.863 ms
Loss rate: 0.35%

Run 5: Report of TCP BBR — Data Link

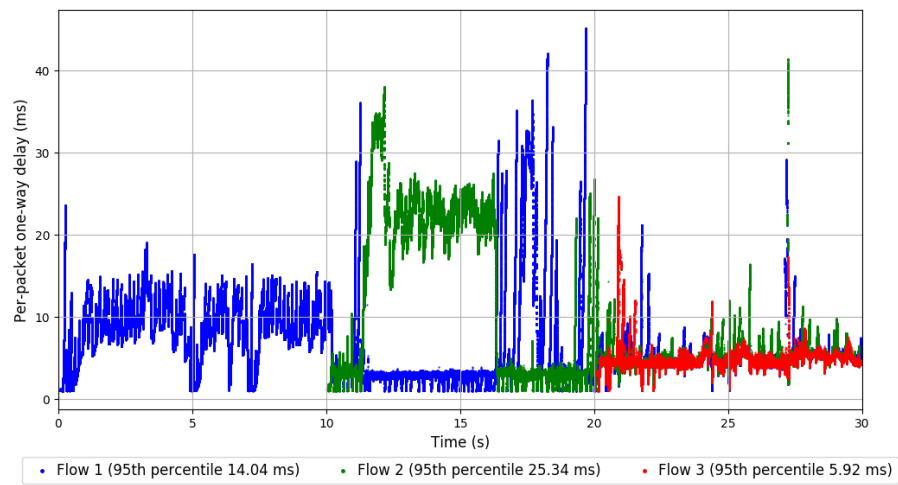
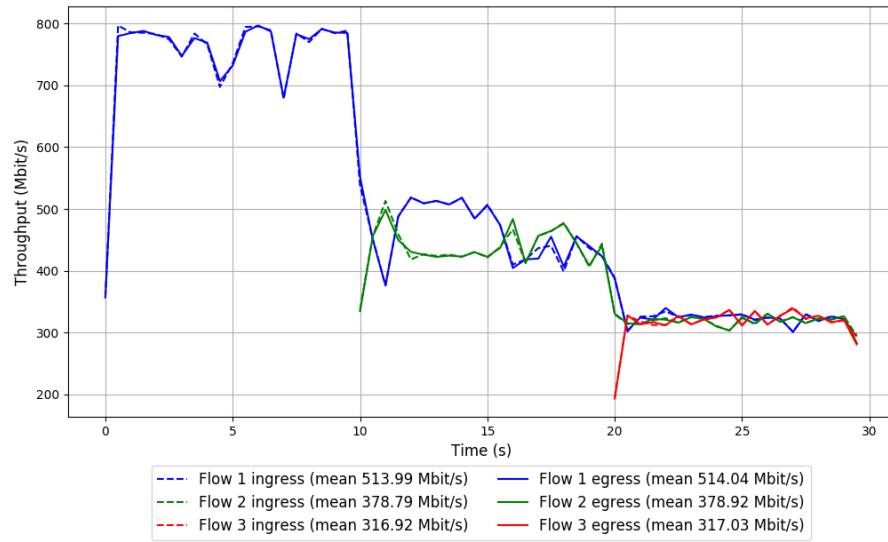


Run 6: Statistics of TCP BBR

Start at: 2018-02-28 02:43:06
End at: 2018-02-28 02:43:36
Local clock offset: -0.35 ms
Remote clock offset: -6.259 ms

Below is generated by plot.py at 2018-02-28 10:13:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 871.21 Mbit/s
95th percentile per-packet one-way delay: 23.022 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 514.04 Mbit/s
95th percentile per-packet one-way delay: 14.038 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 378.92 Mbit/s
95th percentile per-packet one-way delay: 25.338 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 317.03 Mbit/s
95th percentile per-packet one-way delay: 5.915 ms
Loss rate: 0.25%

Run 6: Report of TCP BBR — Data Link

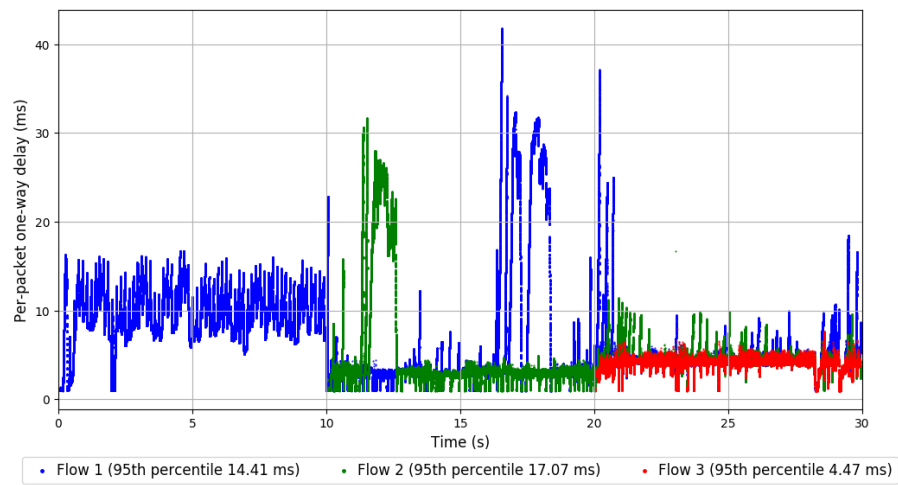
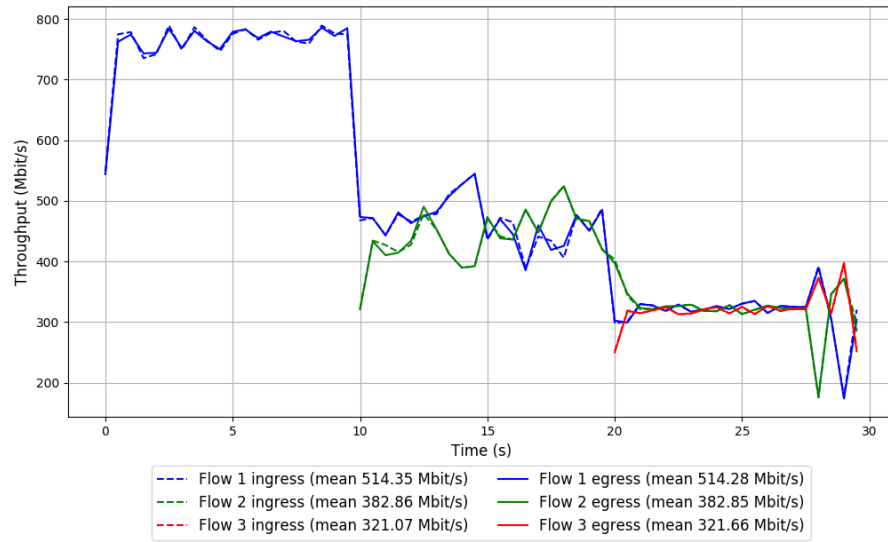


Run 7: Statistics of TCP BBR

Start at: 2018-02-28 03:12:24
End at: 2018-02-28 03:12:54
Local clock offset: -0.463 ms
Remote clock offset: -6.197 ms

Below is generated by plot.py at 2018-02-28 10:13:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 875.45 Mbit/s
95th percentile per-packet one-way delay: 14.021 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 514.28 Mbit/s
95th percentile per-packet one-way delay: 14.415 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 382.85 Mbit/s
95th percentile per-packet one-way delay: 17.070 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.66 Mbit/s
95th percentile per-packet one-way delay: 4.468 ms
Loss rate: 0.15%

Run 7: Report of TCP BBR — Data Link

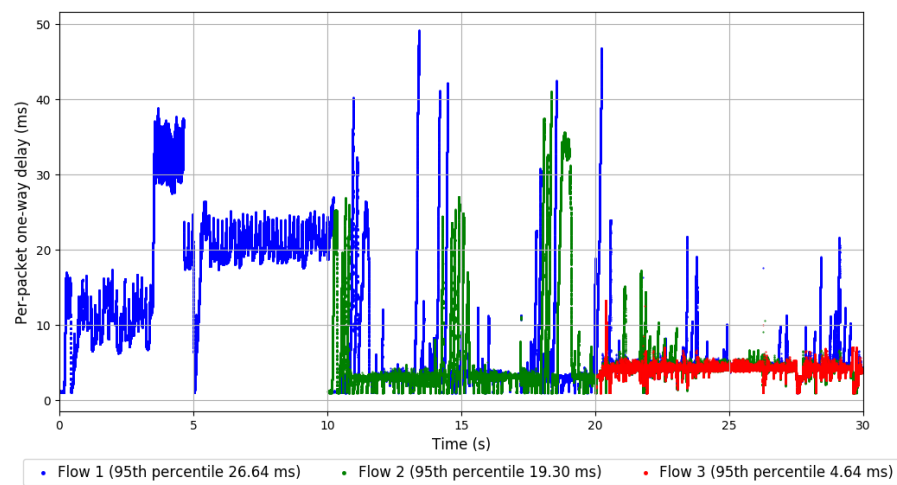
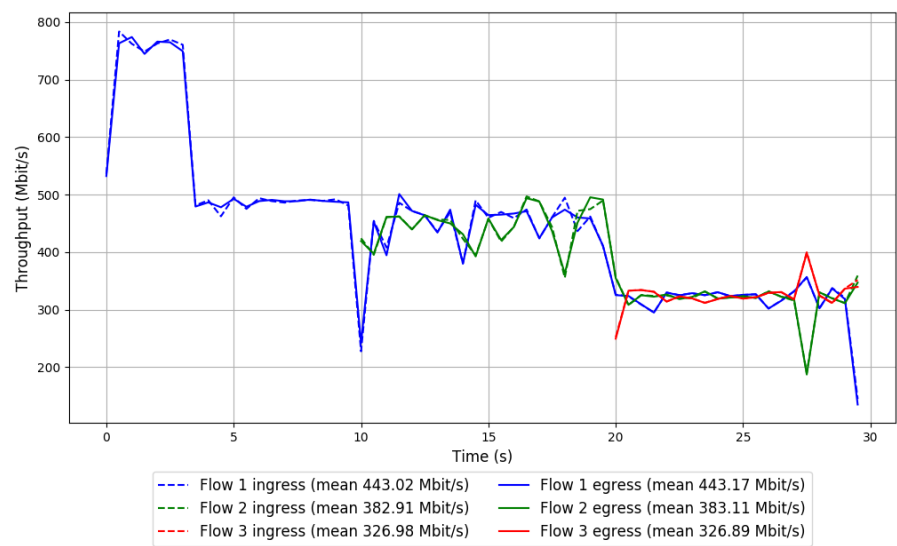


Run 8: Statistics of TCP BBR

Start at: 2018-02-28 03:41:40
End at: 2018-02-28 03:42:10
Local clock offset: -0.413 ms
Remote clock offset: -6.259 ms

Below is generated by plot.py at 2018-02-28 10:13:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 806.54 Mbit/s
95th percentile per-packet one-way delay: 23.822 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 443.17 Mbit/s
95th percentile per-packet one-way delay: 26.640 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 383.11 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 326.89 Mbit/s
95th percentile per-packet one-way delay: 4.639 ms
Loss rate: 0.23%

Run 8: Report of TCP BBR — Data Link

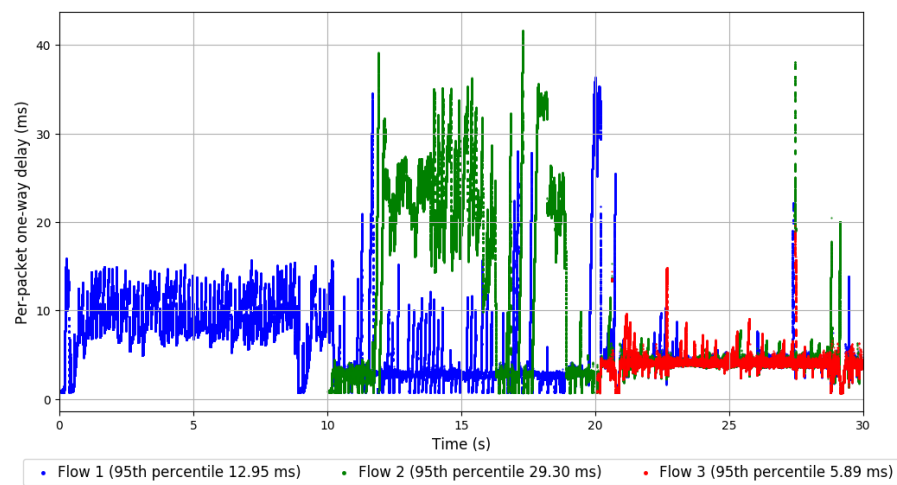
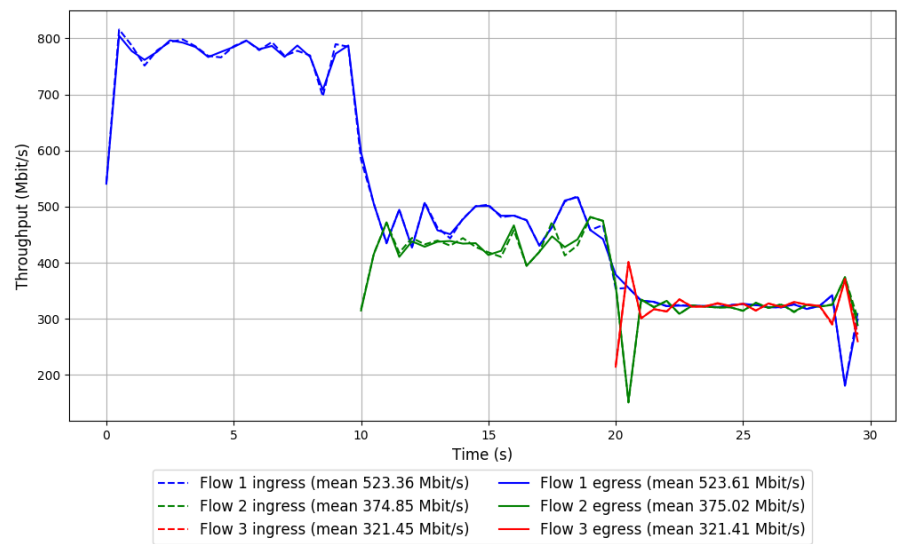


Run 9: Statistics of TCP BBR

Start at: 2018-02-28 04:10:36
End at: 2018-02-28 04:11:06
Local clock offset: 0.437 ms
Remote clock offset: -5.826 ms

Below is generated by plot.py at 2018-02-28 10:24:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 879.52 Mbit/s
95th percentile per-packet one-way delay: 23.411 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 523.61 Mbit/s
95th percentile per-packet one-way delay: 12.950 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 375.02 Mbit/s
95th percentile per-packet one-way delay: 29.297 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.41 Mbit/s
95th percentile per-packet one-way delay: 5.894 ms
Loss rate: 0.22%

Run 9: Report of TCP BBR — Data Link

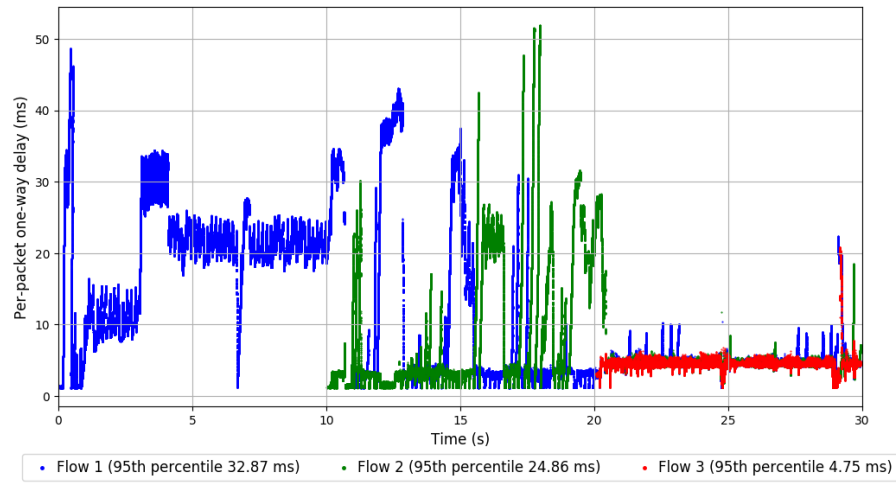
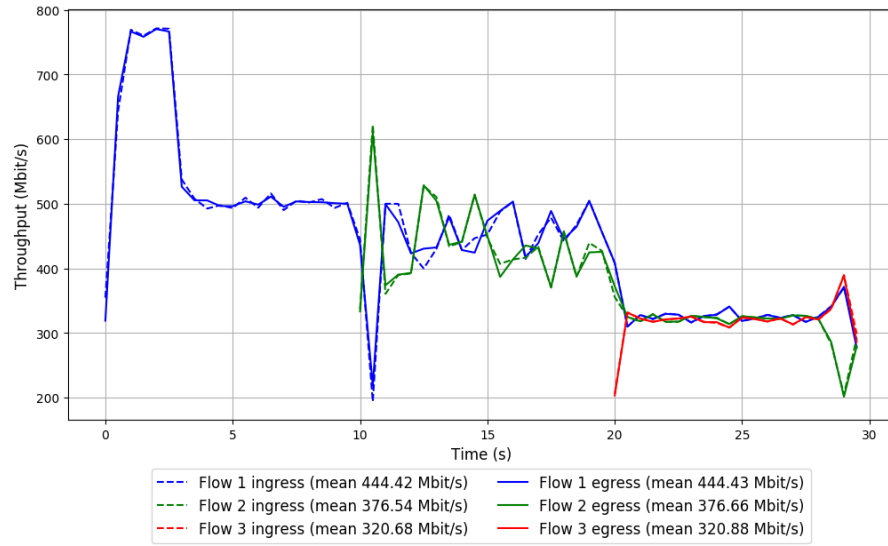


Run 10: Statistics of TCP BBR

Start at: 2018-02-28 04:40:00
End at: 2018-02-28 04:40:30
Local clock offset: 2.695 ms
Remote clock offset: -4.906 ms

Below is generated by plot.py at 2018-02-28 10:24:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 801.06 Mbit/s
95th percentile per-packet one-way delay: 30.252 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 444.43 Mbit/s
95th percentile per-packet one-way delay: 32.868 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 376.66 Mbit/s
95th percentile per-packet one-way delay: 24.861 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 320.88 Mbit/s
95th percentile per-packet one-way delay: 4.748 ms
Loss rate: 0.24%

Run 10: Report of TCP BBR — Data Link

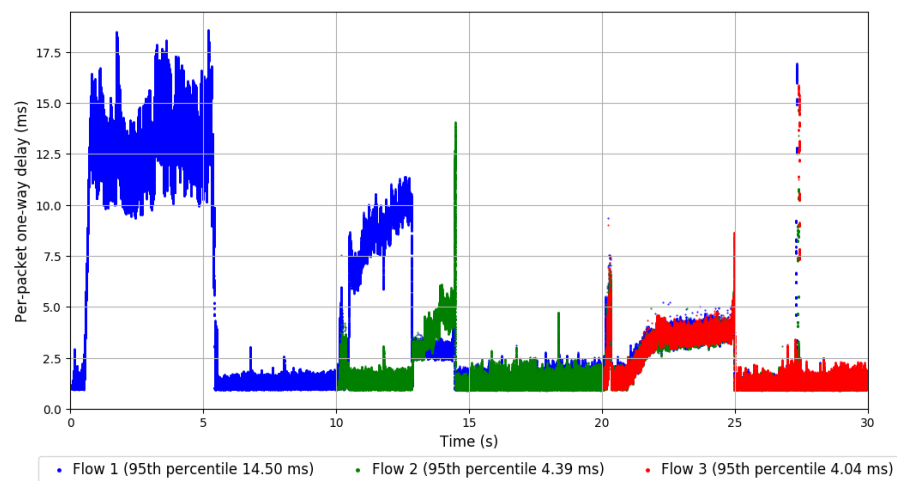
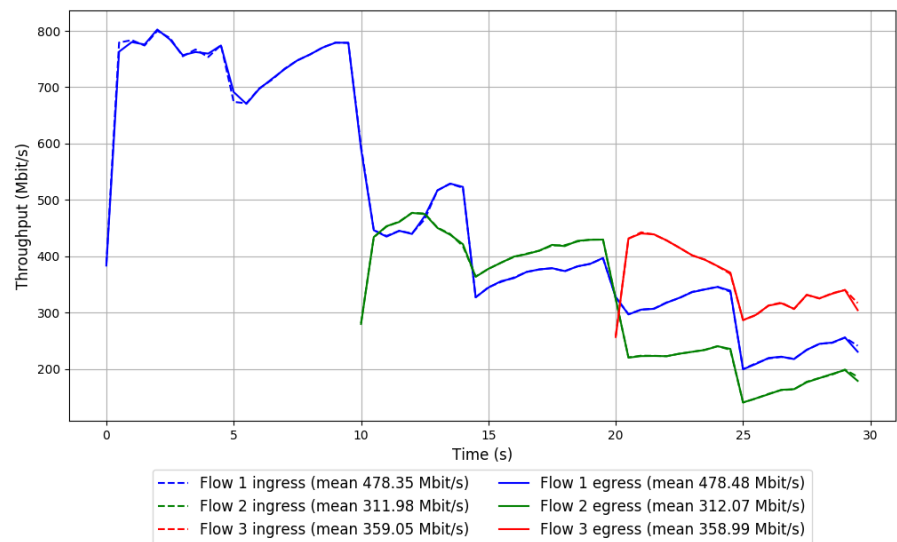


Run 1: Statistics of TCP Cubic

Start at: 2018-02-28 00:02:29
End at: 2018-02-28 00:02:59
Local clock offset: 2.037 ms
Remote clock offset: -6.556 ms

Below is generated by plot.py at 2018-02-28 10:24:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 804.82 Mbit/s
95th percentile per-packet one-way delay: 13.654 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 478.48 Mbit/s
95th percentile per-packet one-way delay: 14.498 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 312.07 Mbit/s
95th percentile per-packet one-way delay: 4.390 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 358.99 Mbit/s
95th percentile per-packet one-way delay: 4.036 ms
Loss rate: 0.20%

Run 1: Report of TCP Cubic — Data Link

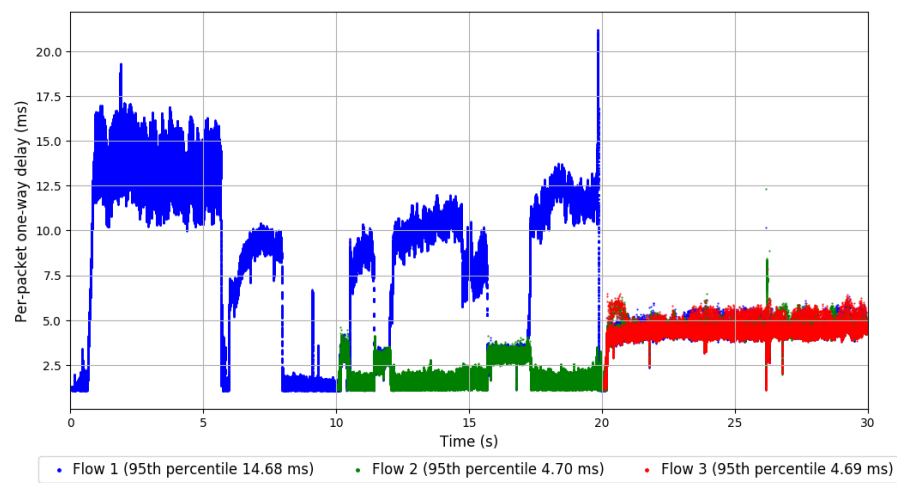
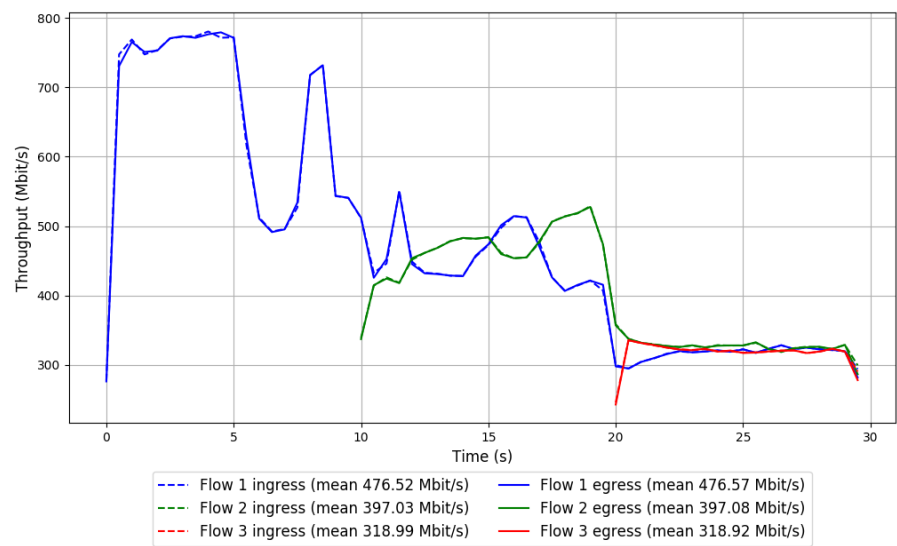


Run 2: Statistics of TCP Cubic

Start at: 2018-02-28 00:31:33
End at: 2018-02-28 00:32:03
Local clock offset: -0.323 ms
Remote clock offset: -4.702 ms

Below is generated by plot.py at 2018-02-28 10:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 846.55 Mbit/s
95th percentile per-packet one-way delay: 13.834 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 476.57 Mbit/s
95th percentile per-packet one-way delay: 14.675 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 397.08 Mbit/s
95th percentile per-packet one-way delay: 4.702 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.92 Mbit/s
95th percentile per-packet one-way delay: 4.688 ms
Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

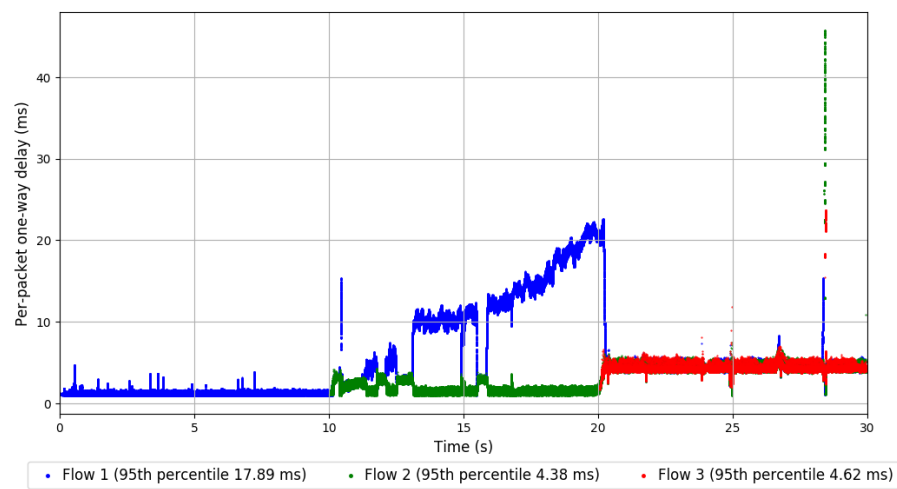
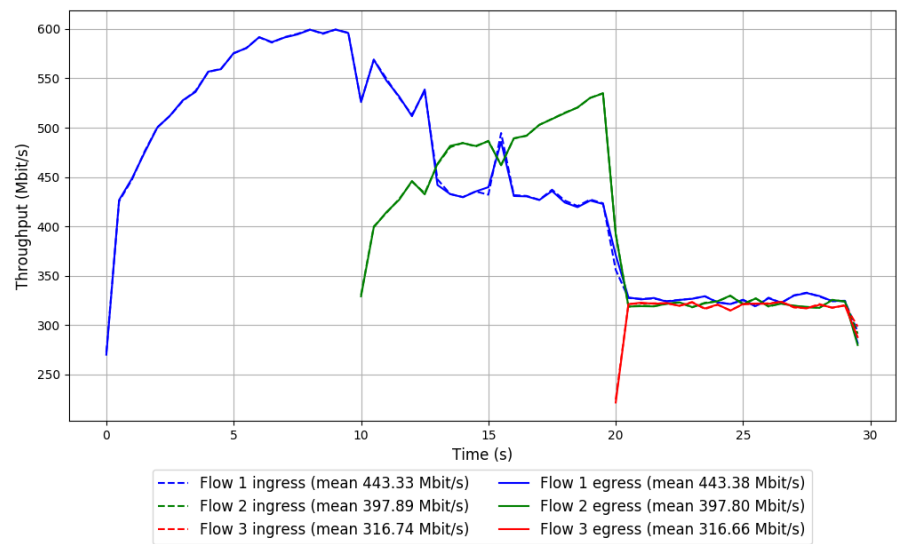


Run 3: Statistics of TCP Cubic

Start at: 2018-02-28 01:00:33
End at: 2018-02-28 01:01:03
Local clock offset: -0.393 ms
Remote clock offset: -5.364 ms

Below is generated by plot.py at 2018-02-28 10:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 812.92 Mbit/s
95th percentile per-packet one-way delay: 14.232 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 443.38 Mbit/s
95th percentile per-packet one-way delay: 17.886 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 397.80 Mbit/s
95th percentile per-packet one-way delay: 4.385 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.66 Mbit/s
95th percentile per-packet one-way delay: 4.616 ms
Loss rate: 0.22%

Run 3: Report of TCP Cubic — Data Link

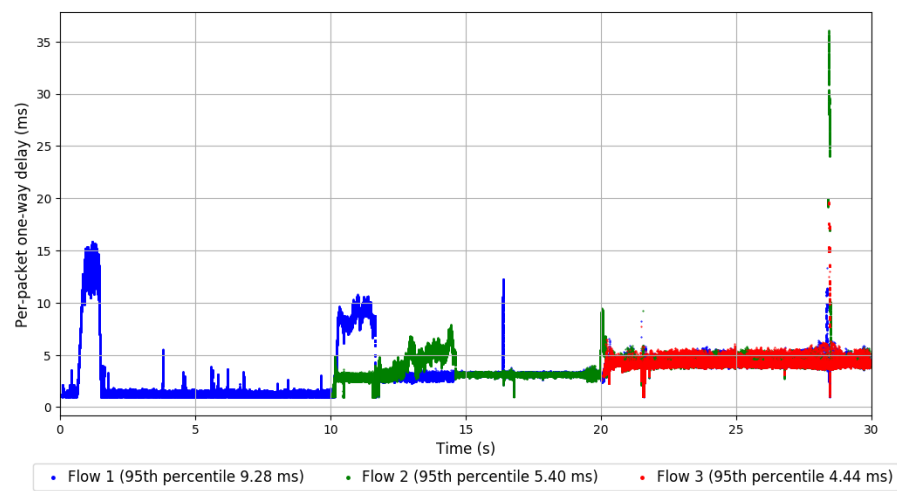
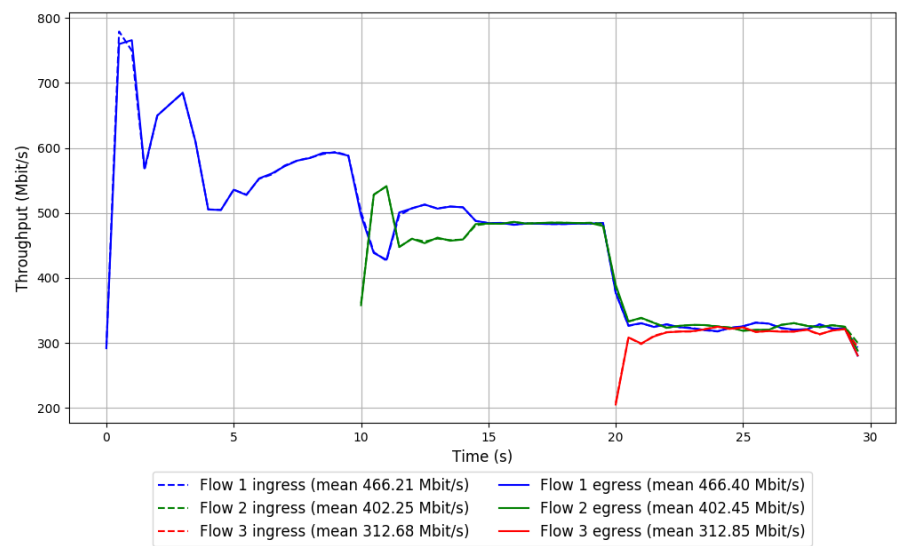


Run 4: Statistics of TCP Cubic

Start at: 2018-02-28 01:29:36
End at: 2018-02-28 01:30:06
Local clock offset: -0.44 ms
Remote clock offset: -6.036 ms

Below is generated by plot.py at 2018-02-28 10:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 837.70 Mbit/s
95th percentile per-packet one-way delay: 7.072 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 466.40 Mbit/s
95th percentile per-packet one-way delay: 9.281 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 402.45 Mbit/s
95th percentile per-packet one-way delay: 5.404 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 312.85 Mbit/s
95th percentile per-packet one-way delay: 4.437 ms
Loss rate: 0.25%

Run 4: Report of TCP Cubic — Data Link

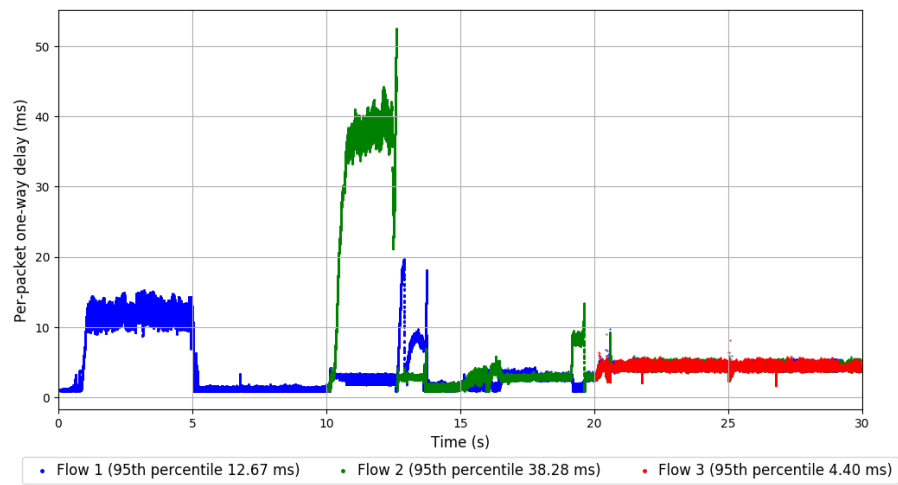
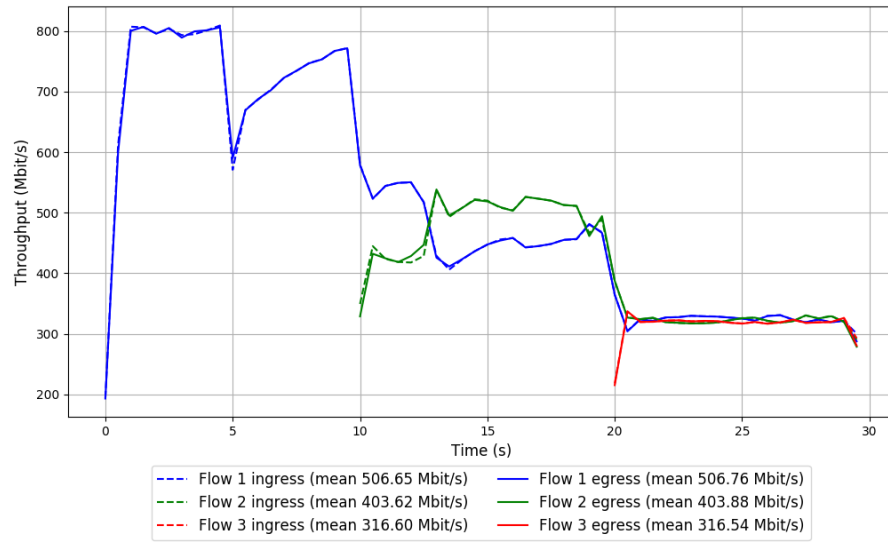


Run 5: Statistics of TCP Cubic

Start at: 2018-02-28 01:58:52
End at: 2018-02-28 01:59:22
Local clock offset: 0.467 ms
Remote clock offset: -6.414 ms

Below is generated by plot.py at 2018-02-28 10:25:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 880.47 Mbit/s
95th percentile per-packet one-way delay: 13.295 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 506.76 Mbit/s
95th percentile per-packet one-way delay: 12.673 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 403.88 Mbit/s
95th percentile per-packet one-way delay: 38.279 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.54 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.24%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

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

End at: 2018-02-28 02:28:44

Local clock offset: 0.589 ms

Remote clock offset: -6.44 ms

Below is generated by plot.py at 2018-02-28 10:25:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 892.40 Mbit/s

95th percentile per-packet one-way delay: 14.079 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 522.54 Mbit/s

95th percentile per-packet one-way delay: 14.903 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 391.68 Mbit/s

95th percentile per-packet one-way delay: 4.720 ms

Loss rate: 0.09%

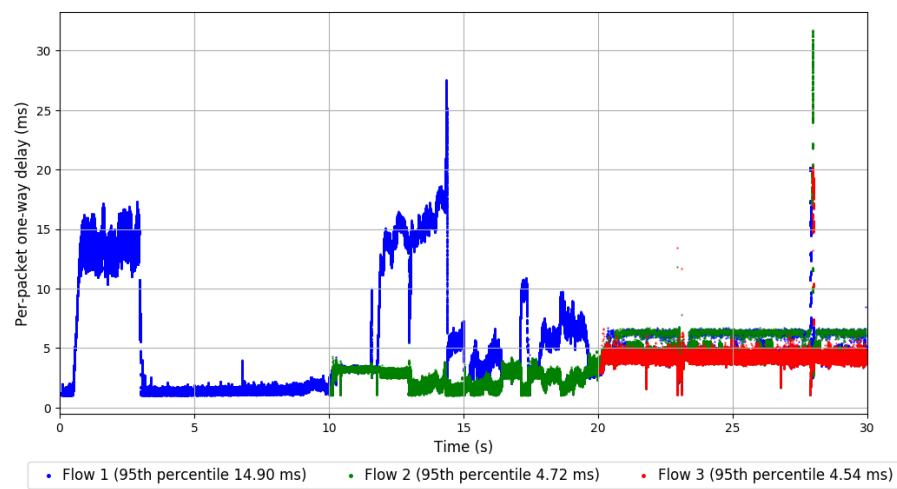
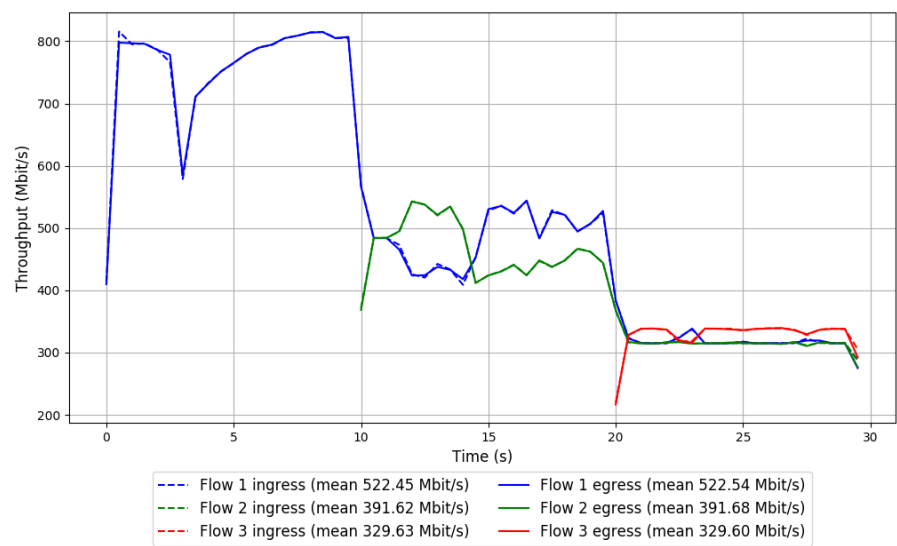
-- Flow 3:

Average throughput: 329.60 Mbit/s

95th percentile per-packet one-way delay: 4.540 ms

Loss rate: 0.24%

Run 6: Report of TCP Cubic — Data Link

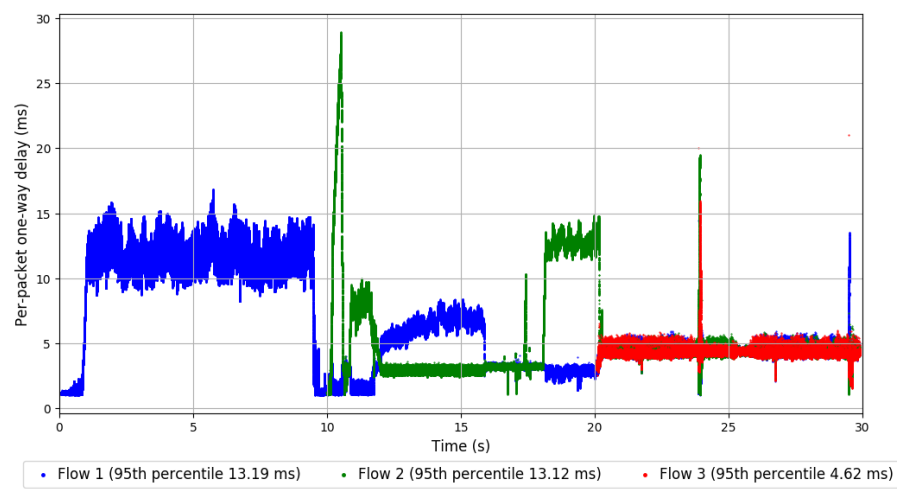
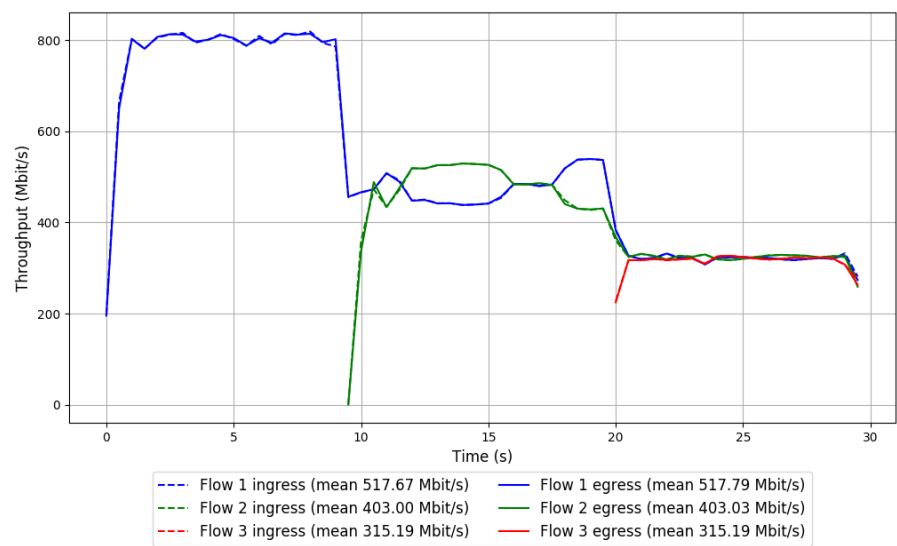


Run 7: Statistics of TCP Cubic

Start at: 2018-02-28 02:57:37
End at: 2018-02-28 02:58:07
Local clock offset: -0.561 ms
Remote clock offset: -6.294 ms

Below is generated by plot.py at 2018-02-28 10:35:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 890.70 Mbit/s
95th percentile per-packet one-way delay: 13.055 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 517.79 Mbit/s
95th percentile per-packet one-way delay: 13.192 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 403.03 Mbit/s
95th percentile per-packet one-way delay: 13.117 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.19 Mbit/s
95th percentile per-packet one-way delay: 4.617 ms
Loss rate: 0.24%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-28 03:26:47

End at: 2018-02-28 03:27:17

Local clock offset: -0.452 ms

Remote clock offset: -6.26 ms

Below is generated by plot.py at 2018-02-28 10:35:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 860.23 Mbit/s

95th percentile per-packet one-way delay: 17.676 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 499.91 Mbit/s

95th percentile per-packet one-way delay: 18.279 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 384.30 Mbit/s

95th percentile per-packet one-way delay: 5.409 ms

Loss rate: 0.10%

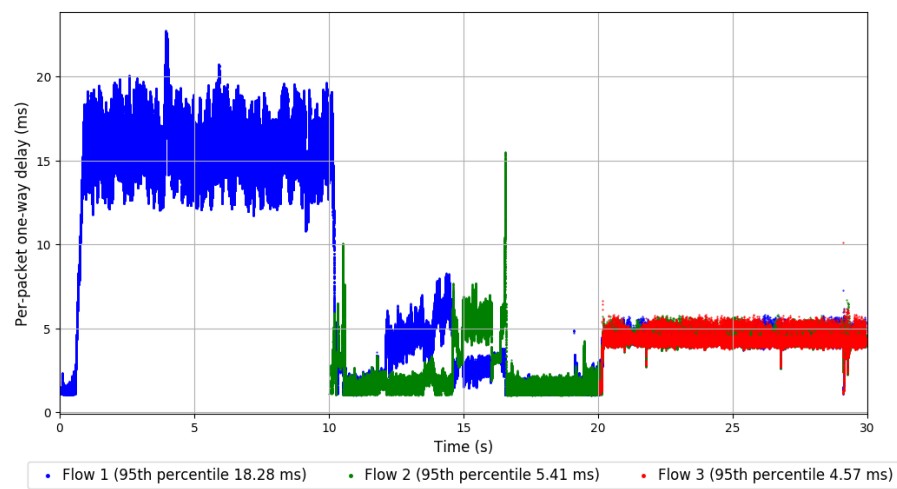
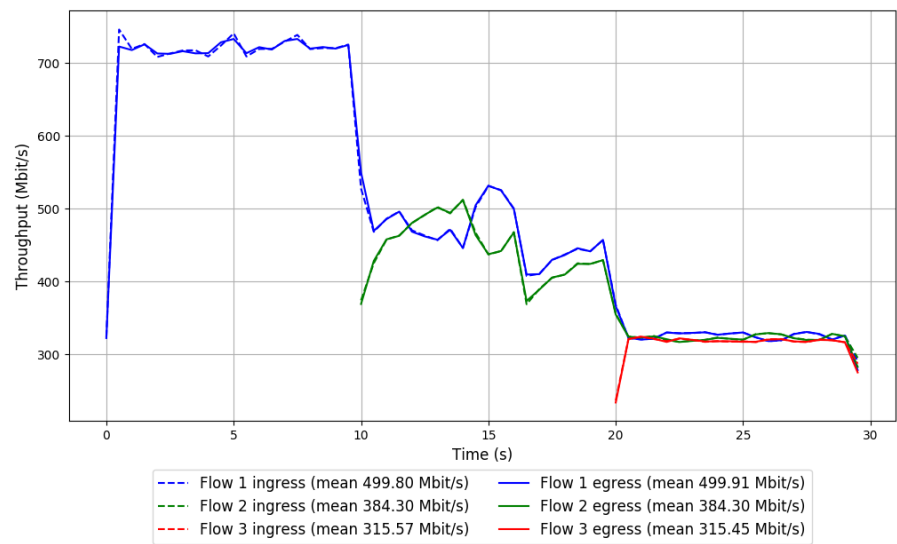
-- Flow 3:

Average throughput: 315.45 Mbit/s

95th percentile per-packet one-way delay: 4.572 ms

Loss rate: 0.24%

Run 8: Report of TCP Cubic — Data Link

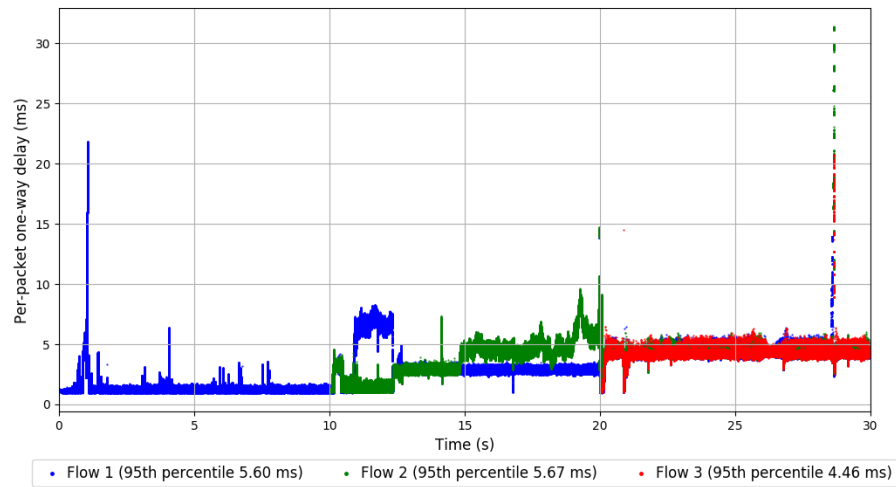
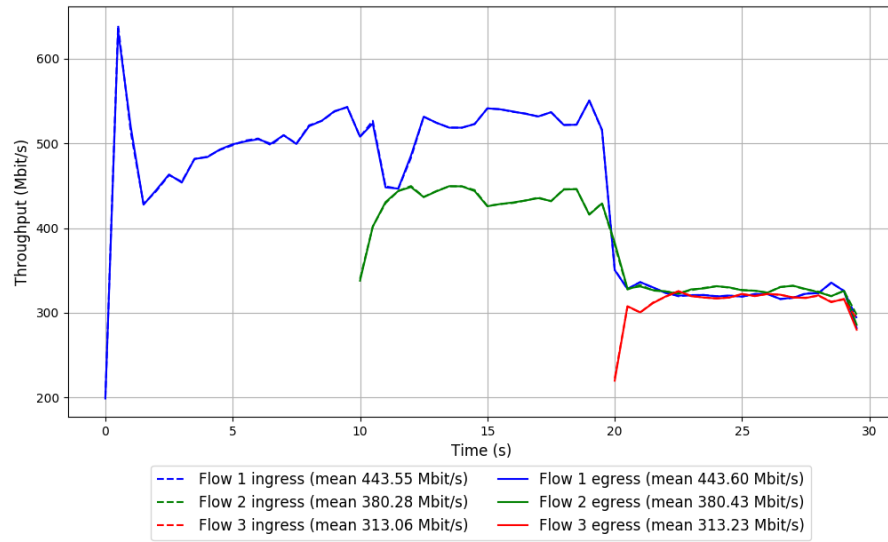


Run 9: Statistics of TCP Cubic

Start at: 2018-02-28 03:56:04
End at: 2018-02-28 03:56:34
Local clock offset: -0.366 ms
Remote clock offset: -6.194 ms

Below is generated by plot.py at 2018-02-28 10:35:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 800.53 Mbit/s
95th percentile per-packet one-way delay: 5.407 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 443.60 Mbit/s
95th percentile per-packet one-way delay: 5.603 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 380.43 Mbit/s
95th percentile per-packet one-way delay: 5.665 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 313.23 Mbit/s
95th percentile per-packet one-way delay: 4.465 ms
Loss rate: 0.25%

Run 9: Report of TCP Cubic — Data Link

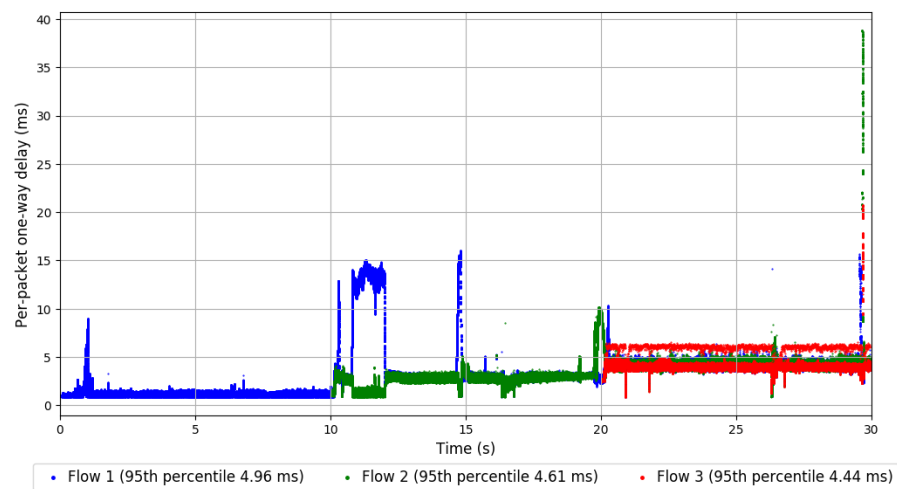
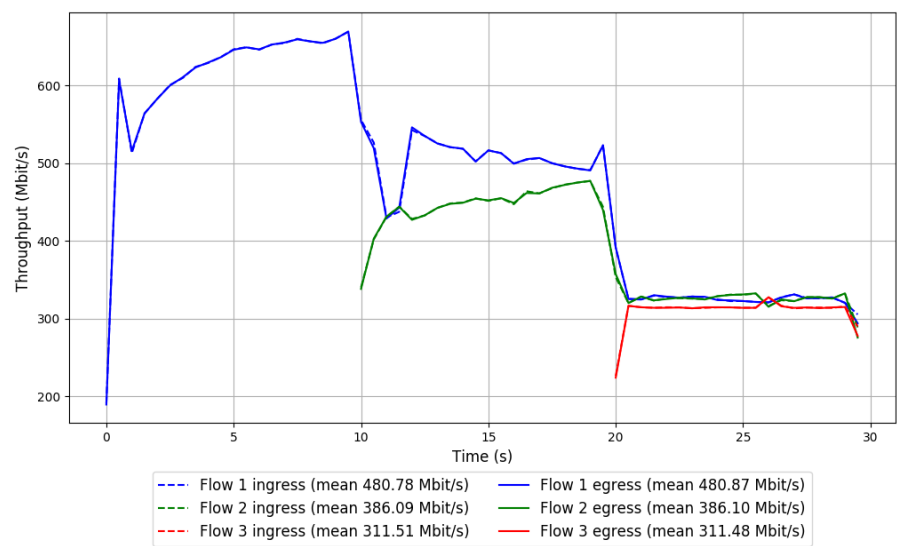


Run 10: Statistics of TCP Cubic

Start at: 2018-02-28 04:25:09
End at: 2018-02-28 04:25:39
Local clock offset: 1.837 ms
Remote clock offset: -5.224 ms

Below is generated by plot.py at 2018-02-28 10:36:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 841.06 Mbit/s
95th percentile per-packet one-way delay: 4.648 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 480.87 Mbit/s
95th percentile per-packet one-way delay: 4.962 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 386.10 Mbit/s
95th percentile per-packet one-way delay: 4.610 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 311.48 Mbit/s
95th percentile per-packet one-way delay: 4.437 ms
Loss rate: 0.25%

Run 10: Report of TCP Cubic — Data Link

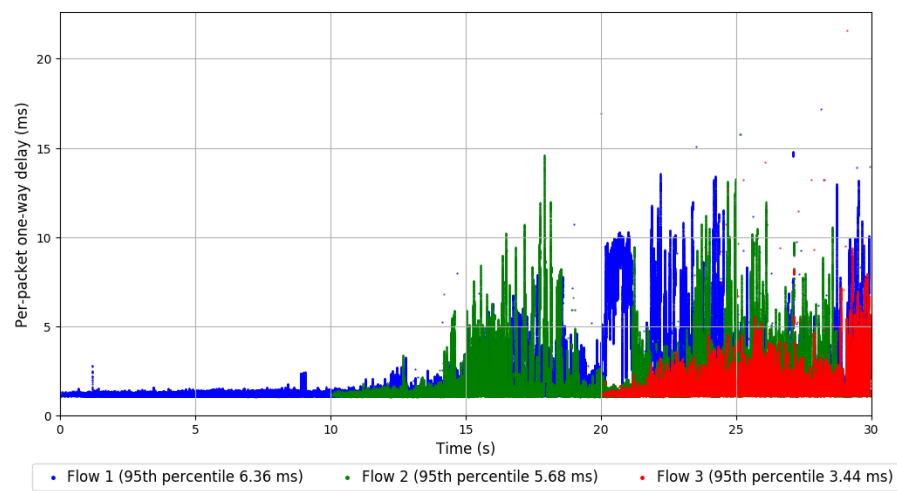
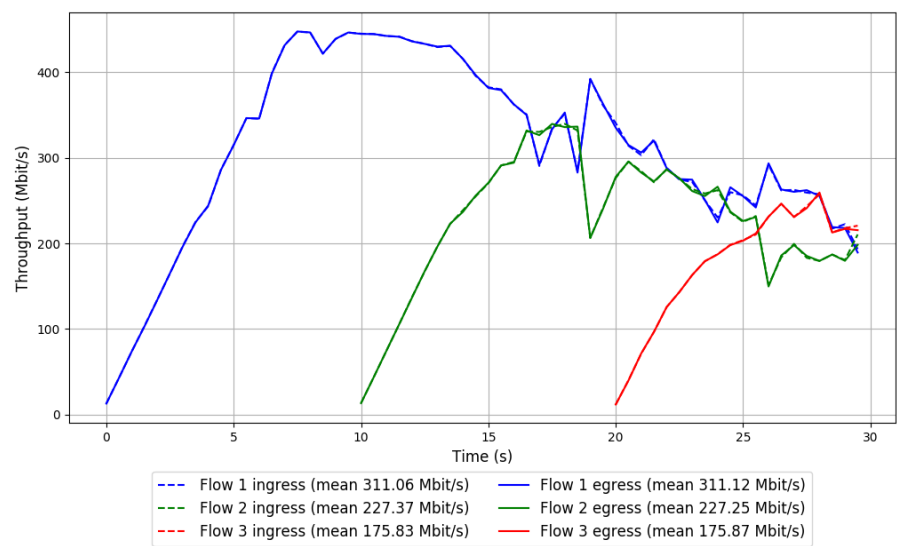


Run 1: Statistics of LEDBAT

Start at: 2018-02-28 00:25:10
End at: 2018-02-28 00:25:40
Local clock offset: -0.083 ms
Remote clock offset: -4.967 ms

Below is generated by plot.py at 2018-02-28 10:36:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.55 Mbit/s
95th percentile per-packet one-way delay: 5.580 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 311.12 Mbit/s
95th percentile per-packet one-way delay: 6.362 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 227.25 Mbit/s
95th percentile per-packet one-way delay: 5.678 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 175.87 Mbit/s
95th percentile per-packet one-way delay: 3.440 ms
Loss rate: 0.18%

Run 1: Report of LEDBAT — Data Link

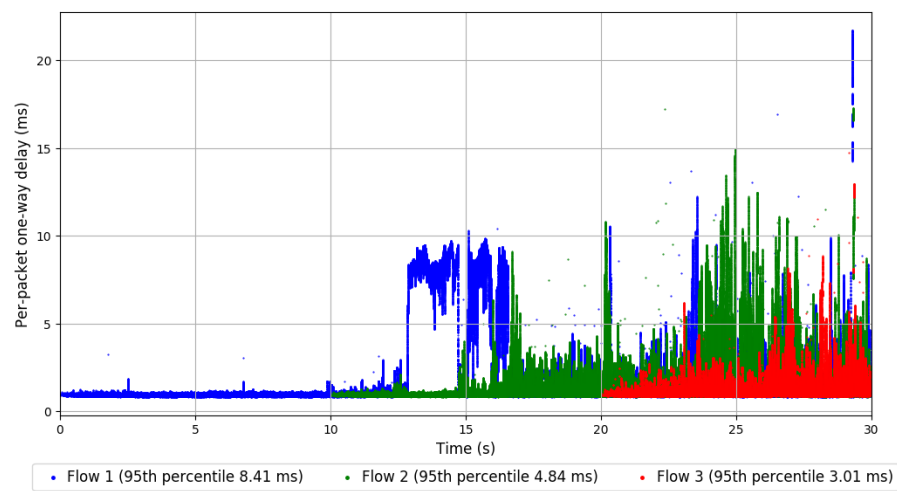
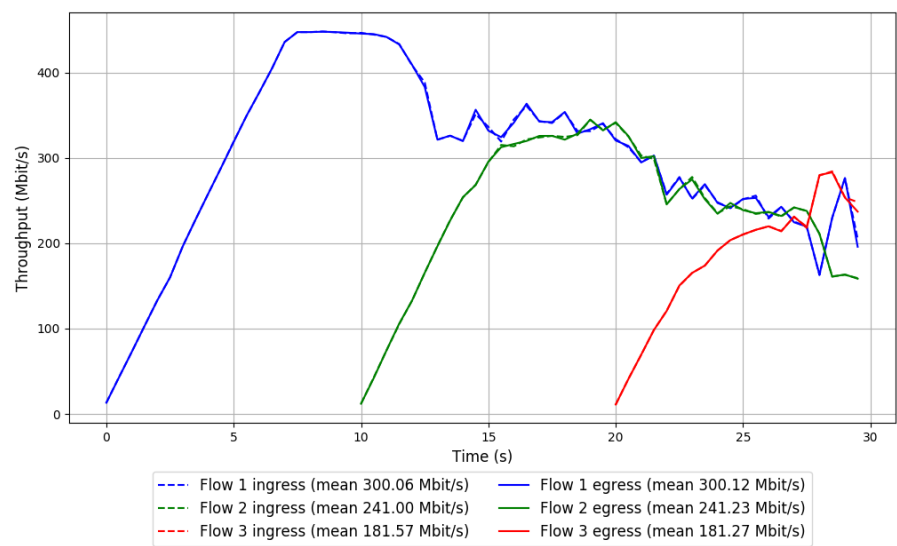


Run 2: Statistics of LEDBAT

Start at: 2018-02-28 00:54:06
End at: 2018-02-28 00:54:36
Local clock offset: -0.474 ms
Remote clock offset: -5.209 ms

Below is generated by plot.py at 2018-02-28 10:36:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.49 Mbit/s
95th percentile per-packet one-way delay: 7.994 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 300.12 Mbit/s
95th percentile per-packet one-way delay: 8.414 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 241.23 Mbit/s
95th percentile per-packet one-way delay: 4.844 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 181.27 Mbit/s
95th percentile per-packet one-way delay: 3.008 ms
Loss rate: 0.37%

Run 2: Report of LEDBAT — Data Link

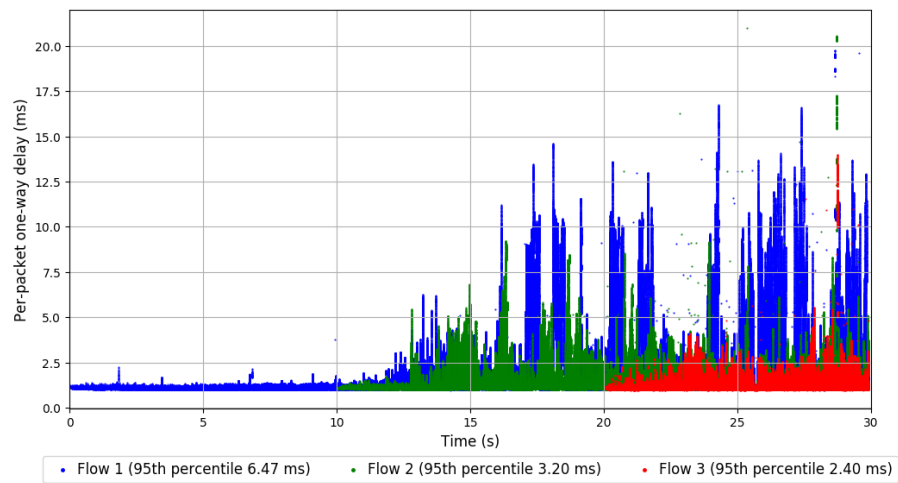
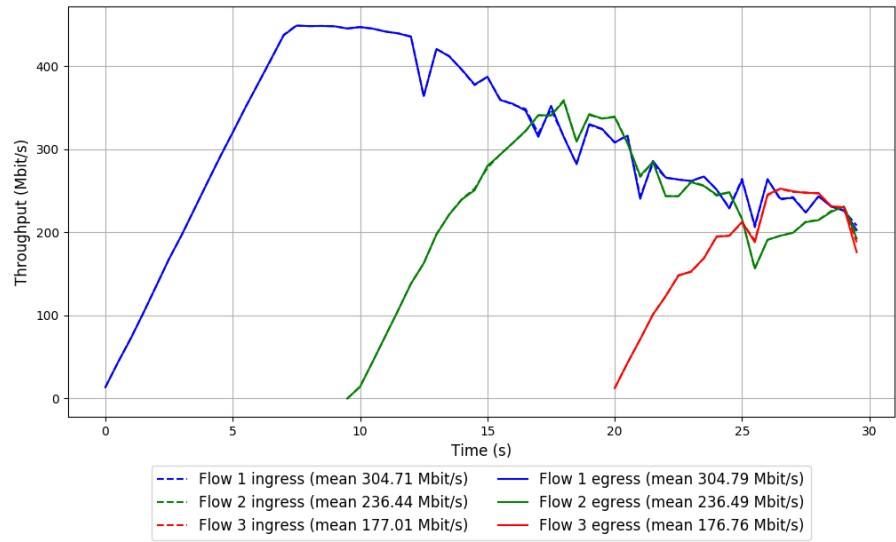


Run 3: Statistics of LEDBAT

Start at: 2018-02-28 01:23:05
End at: 2018-02-28 01:23:35
Local clock offset: -0.454 ms
Remote clock offset: -5.893 ms

Below is generated by plot.py at 2018-02-28 10:36:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.59 Mbit/s
95th percentile per-packet one-way delay: 4.833 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 304.79 Mbit/s
95th percentile per-packet one-way delay: 6.471 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 236.49 Mbit/s
95th percentile per-packet one-way delay: 3.200 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 176.76 Mbit/s
95th percentile per-packet one-way delay: 2.401 ms
Loss rate: 0.34%

Run 3: Report of LEDBAT — Data Link

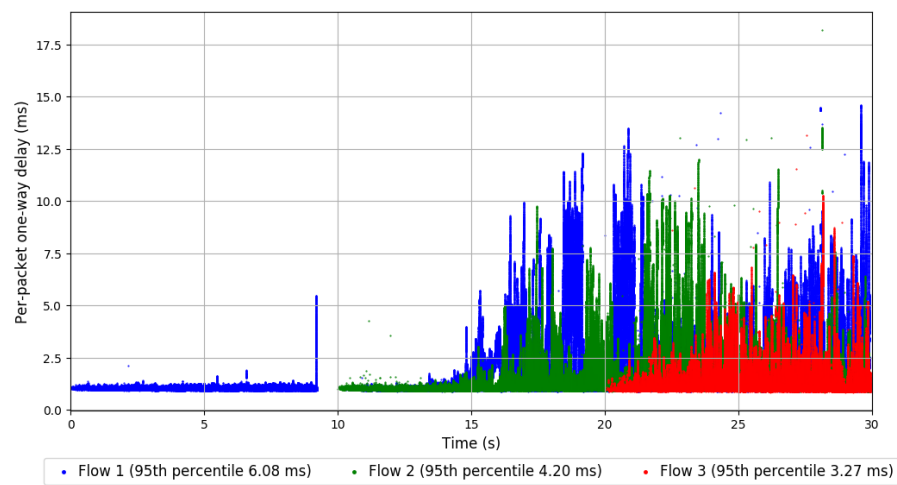
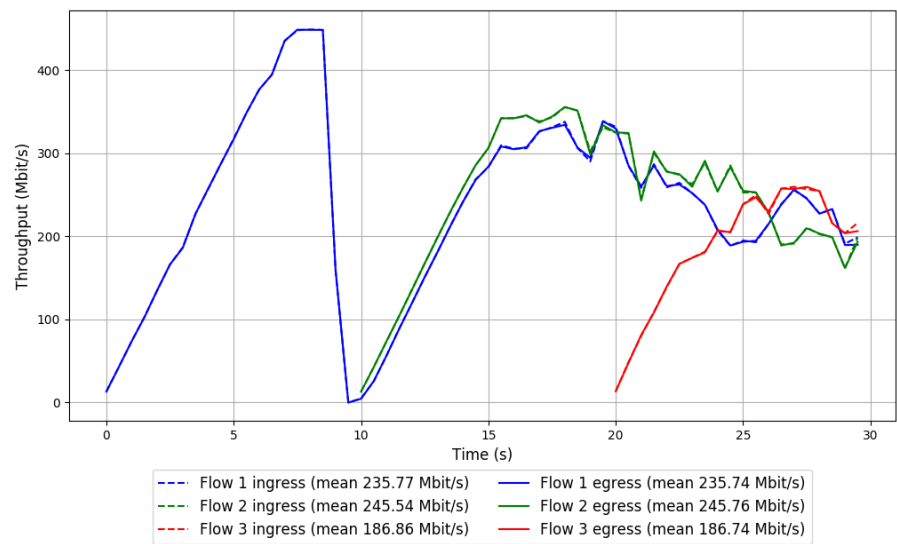


Run 4: Statistics of LEDBAT

Start at: 2018-02-28 01:52:28
End at: 2018-02-28 01:52:58
Local clock offset: -0.096 ms
Remote clock offset: -6.371 ms

Below is generated by plot.py at 2018-02-28 10:36:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 460.97 Mbit/s
95th percentile per-packet one-way delay: 5.037 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 235.74 Mbit/s
95th percentile per-packet one-way delay: 6.078 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 245.76 Mbit/s
95th percentile per-packet one-way delay: 4.204 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 186.74 Mbit/s
95th percentile per-packet one-way delay: 3.265 ms
Loss rate: 0.27%

Run 4: Report of LEDBAT — Data Link

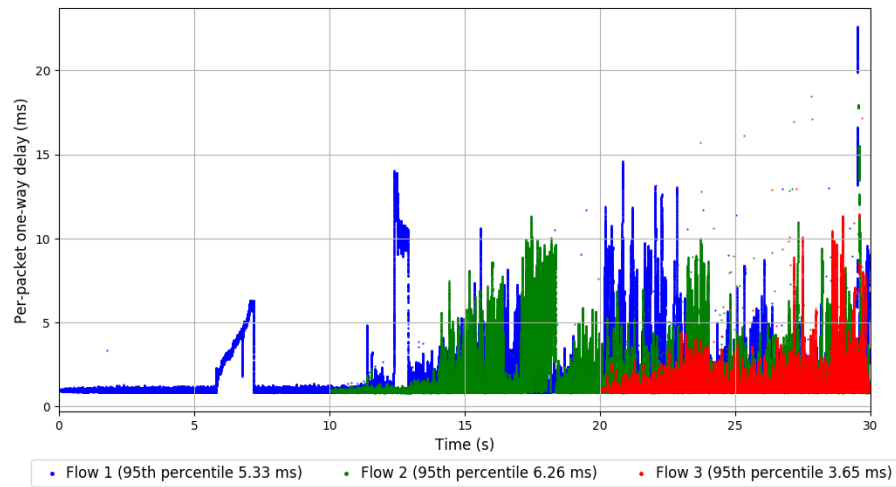
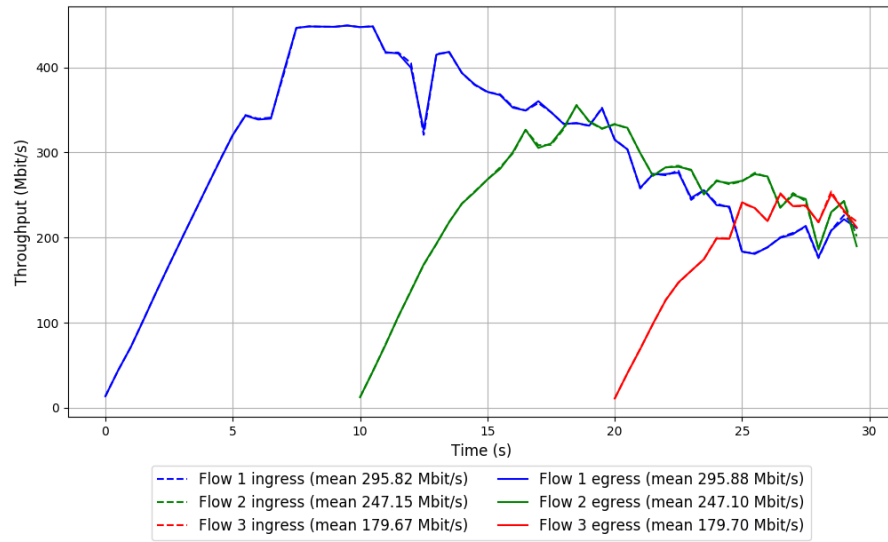


Run 5: Statistics of LEDBAT

Start at: 2018-02-28 02:21:45
End at: 2018-02-28 02:22:15
Local clock offset: 1.418 ms
Remote clock offset: -6.423 ms

Below is generated by plot.py at 2018-02-28 10:39:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 519.64 Mbit/s
95th percentile per-packet one-way delay: 5.584 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 295.88 Mbit/s
95th percentile per-packet one-way delay: 5.331 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 247.10 Mbit/s
95th percentile per-packet one-way delay: 6.256 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 179.70 Mbit/s
95th percentile per-packet one-way delay: 3.655 ms
Loss rate: 0.22%

Run 5: Report of LEDBAT — Data Link

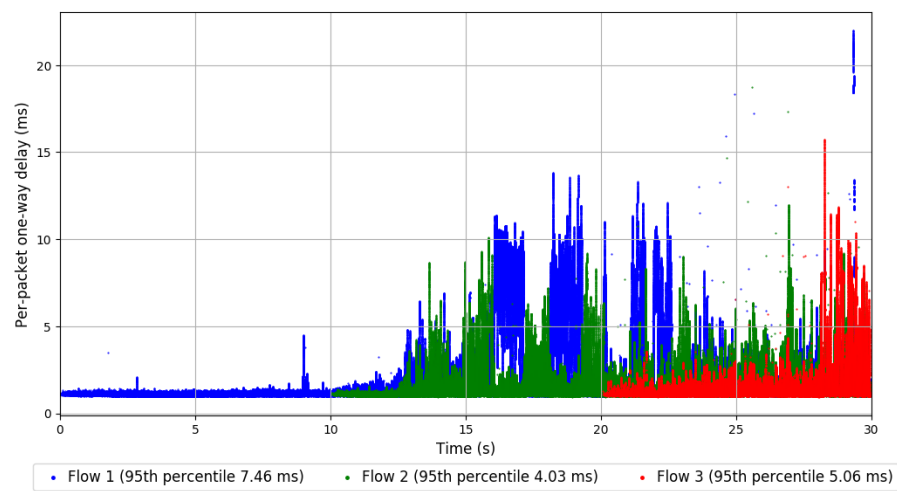
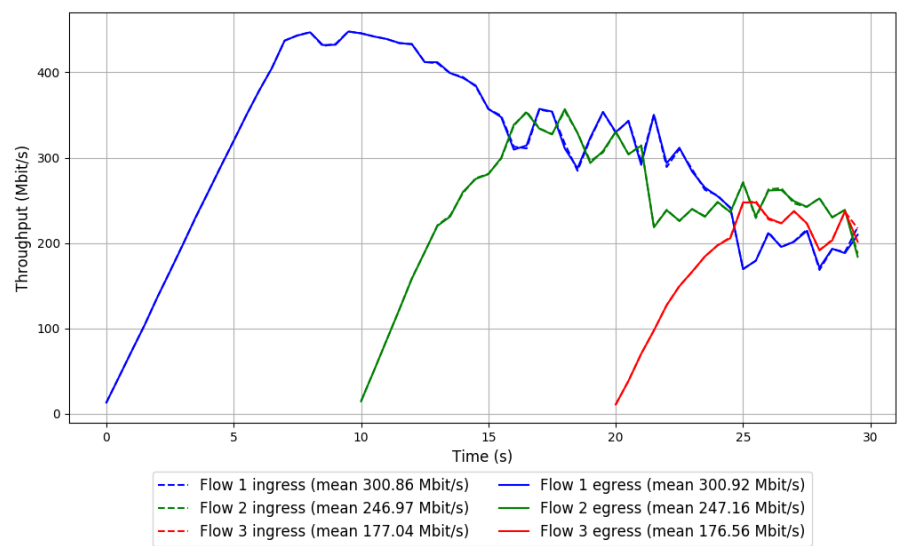


Run 6: Statistics of LEDBAT

Start at: 2018-02-28 02:51:07
End at: 2018-02-28 02:51:37
Local clock offset: -0.494 ms
Remote clock offset: -6.231 ms

Below is generated by plot.py at 2018-02-28 10:39:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 523.51 Mbit/s
95th percentile per-packet one-way delay: 5.749 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 300.92 Mbit/s
95th percentile per-packet one-way delay: 7.463 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 247.16 Mbit/s
95th percentile per-packet one-way delay: 4.028 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 176.56 Mbit/s
95th percentile per-packet one-way delay: 5.058 ms
Loss rate: 0.45%

Run 6: Report of LEDBAT — Data Link

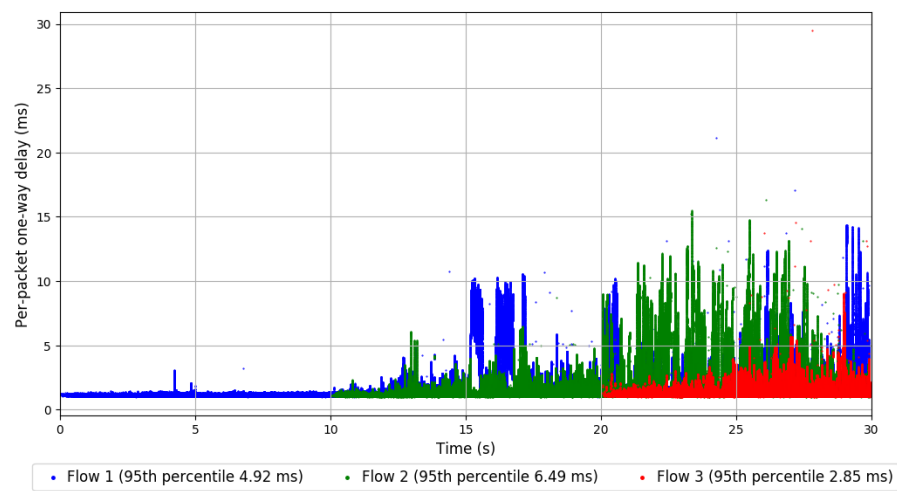
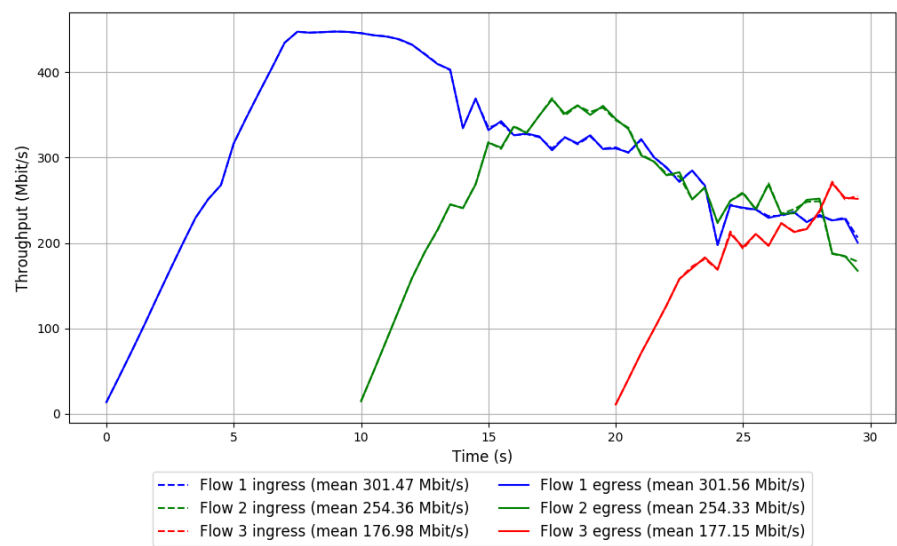


Run 7: Statistics of LEDBAT

Start at: 2018-02-28 03:20:22
End at: 2018-02-28 03:20:52
Local clock offset: -0.449 ms
Remote clock offset: -6.248 ms

Below is generated by plot.py at 2018-02-28 10:39:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.24 Mbit/s
95th percentile per-packet one-way delay: 5.374 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 301.56 Mbit/s
95th percentile per-packet one-way delay: 4.924 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 254.33 Mbit/s
95th percentile per-packet one-way delay: 6.494 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 177.15 Mbit/s
95th percentile per-packet one-way delay: 2.846 ms
Loss rate: 0.13%

Run 7: Report of LEDBAT — Data Link

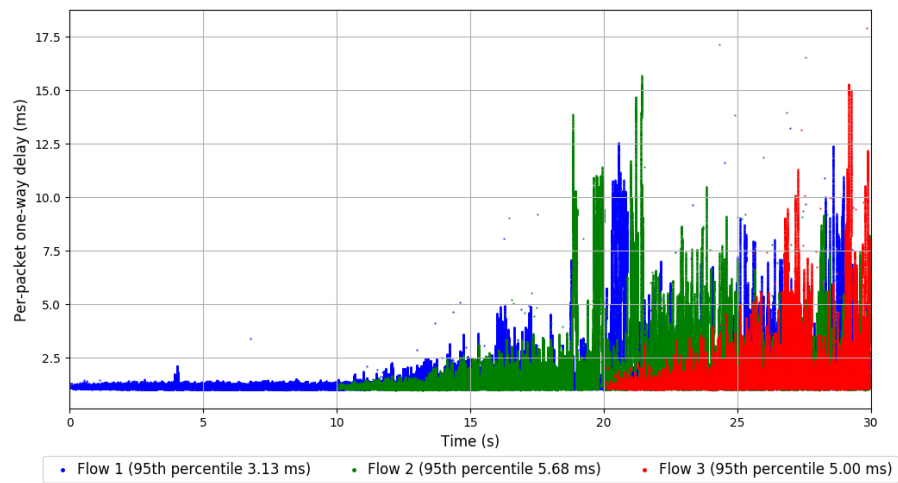
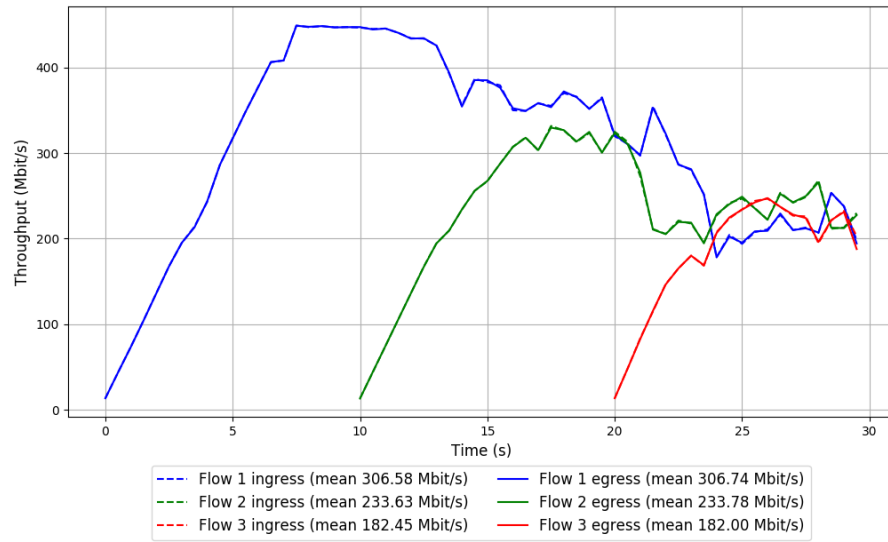


Run 8: Statistics of LEDBAT

Start at: 2018-02-28 03:49:41
End at: 2018-02-28 03:50:11
Local clock offset: -0.379 ms
Remote clock offset: -6.266 ms

Below is generated by plot.py at 2018-02-28 10:40:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.40 Mbit/s
95th percentile per-packet one-way delay: 4.067 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 306.74 Mbit/s
95th percentile per-packet one-way delay: 3.129 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 233.78 Mbit/s
95th percentile per-packet one-way delay: 5.680 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 182.00 Mbit/s
95th percentile per-packet one-way delay: 4.999 ms
Loss rate: 0.45%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-28 04:18:39

End at: 2018-02-28 04:19:09

Local clock offset: 1.376 ms

Remote clock offset: -5.43 ms

Below is generated by plot.py at 2018-02-28 10:42:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 527.84 Mbit/s

95th percentile per-packet one-way delay: 9.460 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 310.92 Mbit/s

95th percentile per-packet one-way delay: 9.864 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 242.72 Mbit/s

95th percentile per-packet one-way delay: 7.629 ms

Loss rate: 0.17%

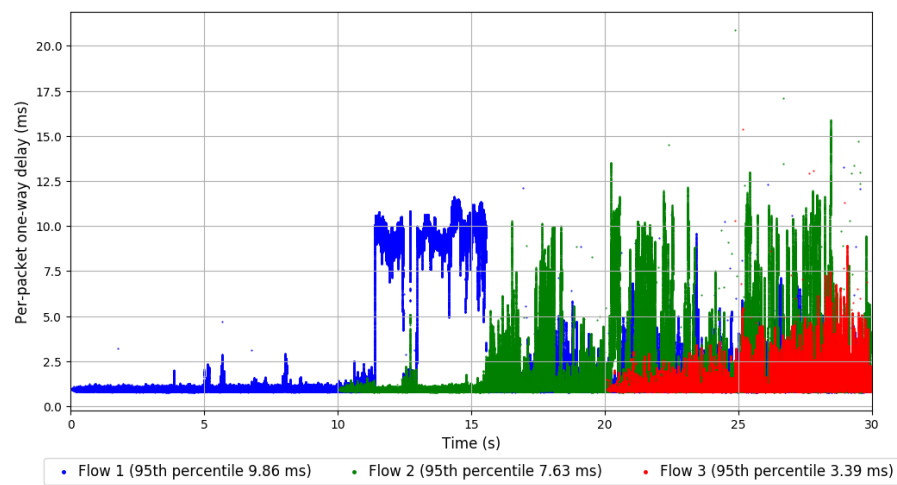
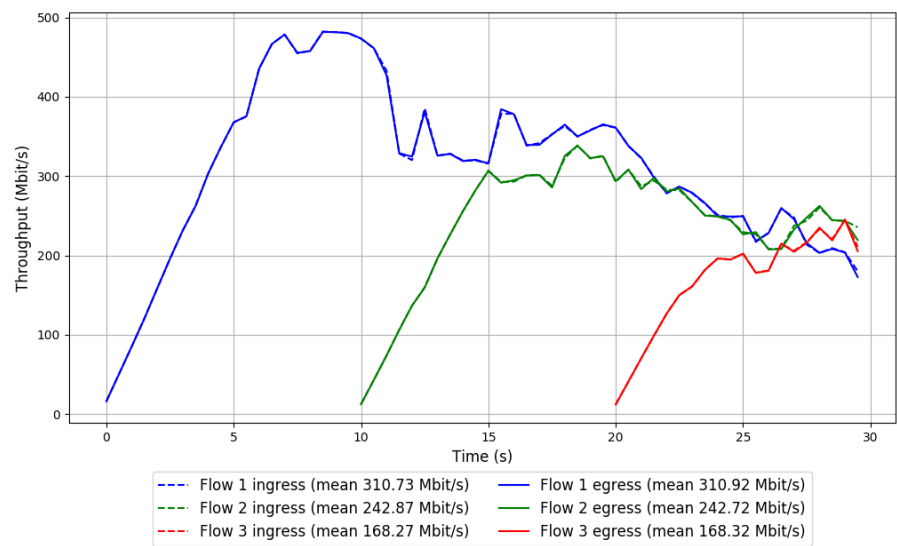
-- Flow 3:

Average throughput: 168.32 Mbit/s

95th percentile per-packet one-way delay: 3.389 ms

Loss rate: 0.21%

Run 9: Report of LEDBAT — Data Link

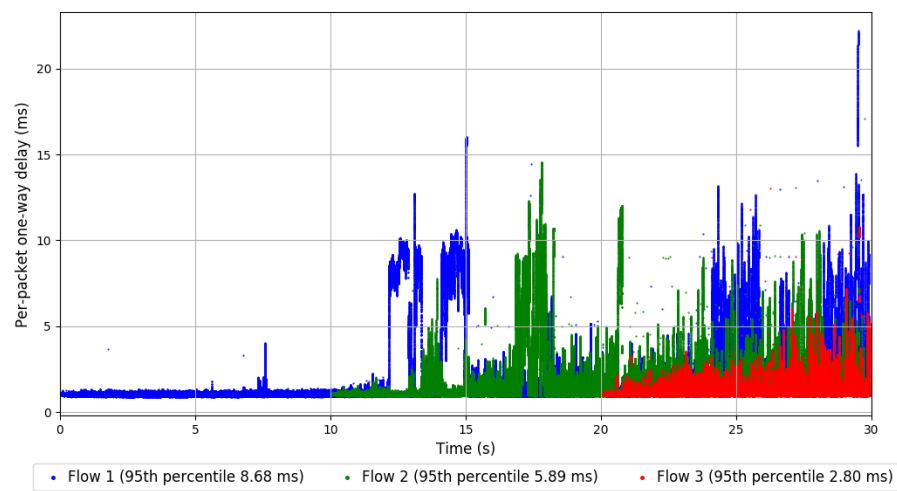
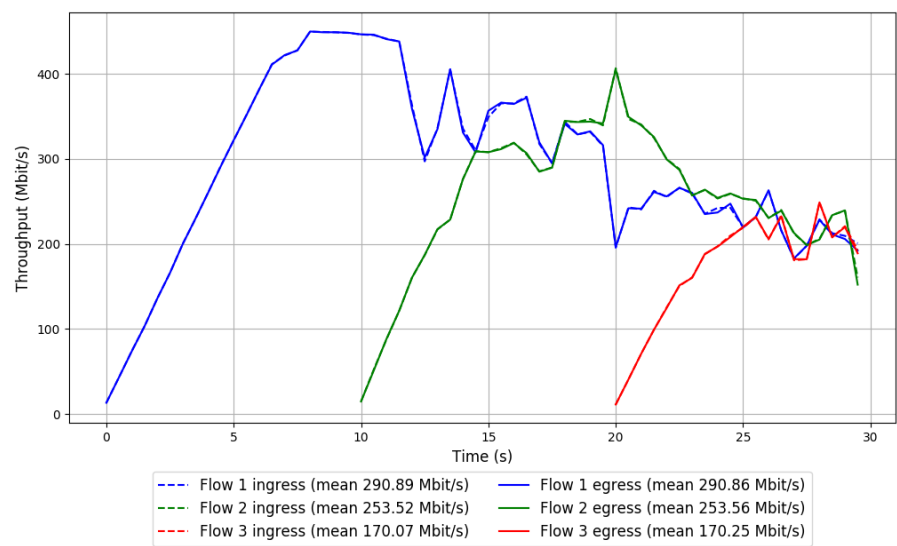


Run 10: Statistics of LEDBAT

Start at: 2018-02-28 04:47:57
End at: 2018-02-28 04:48:27
Local clock offset: 1.727 ms
Remote clock offset: -4.734 ms

Below is generated by plot.py at 2018-02-28 10:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 515.80 Mbit/s
95th percentile per-packet one-way delay: 7.875 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 290.86 Mbit/s
95th percentile per-packet one-way delay: 8.681 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 253.56 Mbit/s
95th percentile per-packet one-way delay: 5.891 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 170.25 Mbit/s
95th percentile per-packet one-way delay: 2.802 ms
Loss rate: 0.14%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-02-28 00:15:28

End at: 2018-02-28 00:15:58

Local clock offset: 0.601 ms

Remote clock offset: -5.64 ms

Below is generated by plot.py at 2018-02-28 10:46:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 763.81 Mbit/s

95th percentile per-packet one-way delay: 3.139 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 540.52 Mbit/s

95th percentile per-packet one-way delay: 3.094 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 334.40 Mbit/s

95th percentile per-packet one-way delay: 3.196 ms

Loss rate: 0.06%

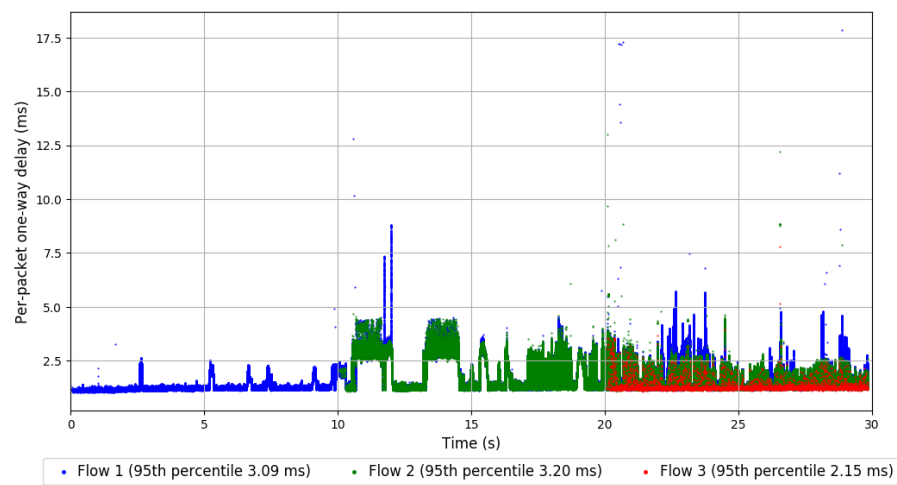
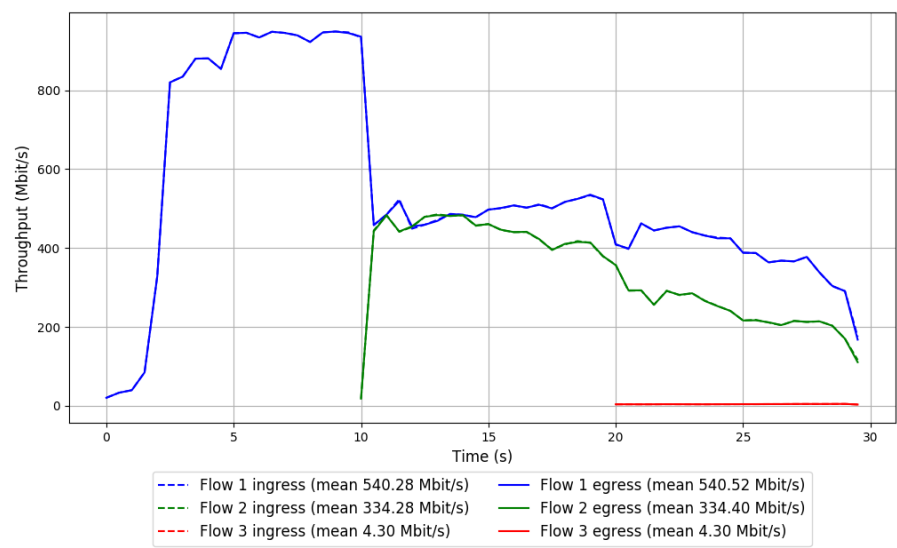
-- Flow 3:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 2.148 ms

Loss rate: 0.23%

Run 1: Report of PCC — Data Link

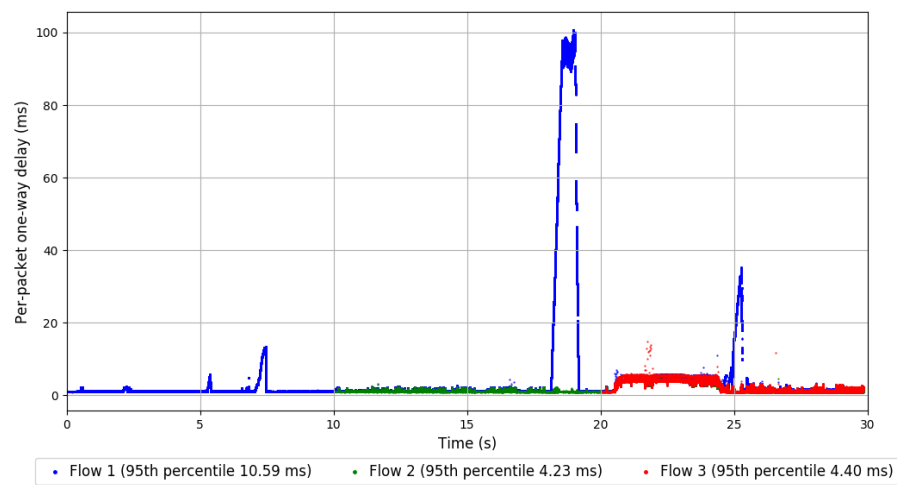
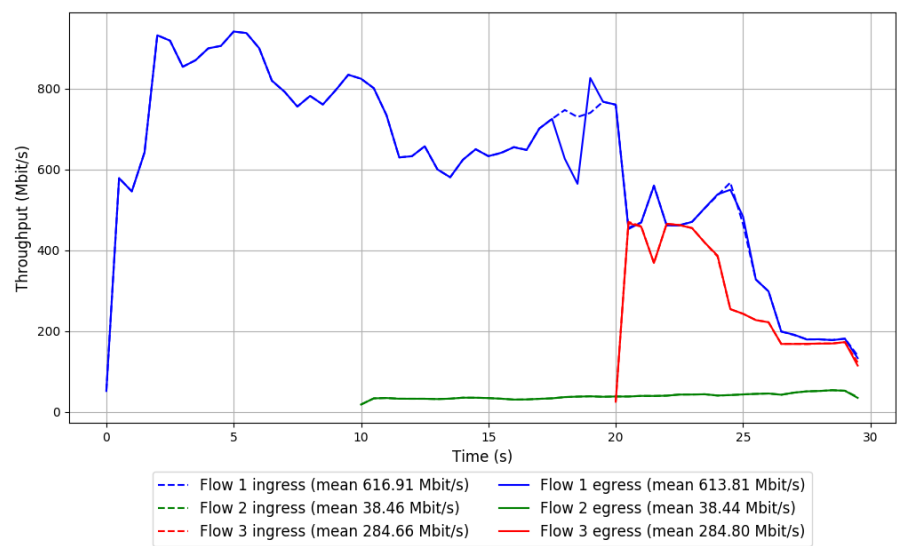


Run 2: Statistics of PCC

Start at: 2018-02-28 00:44:32
End at: 2018-02-28 00:45:02
Local clock offset: -0.484 ms
Remote clock offset: -4.661 ms

Below is generated by plot.py at 2018-02-28 10:46:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 732.86 Mbit/s
95th percentile per-packet one-way delay: 5.420 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 613.81 Mbit/s
95th percentile per-packet one-way delay: 10.594 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 4.233 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 284.80 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.18%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-28 01:13:29

End at: 2018-02-28 01:13:59

Local clock offset: -0.544 ms

Remote clock offset: -5.46 ms

Below is generated by plot.py at 2018-02-28 10:46:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 540.43 Mbit/s

95th percentile per-packet one-way delay: 7.561 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 408.83 Mbit/s

95th percentile per-packet one-way delay: 9.321 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 166.28 Mbit/s

95th percentile per-packet one-way delay: 2.004 ms

Loss rate: 0.11%

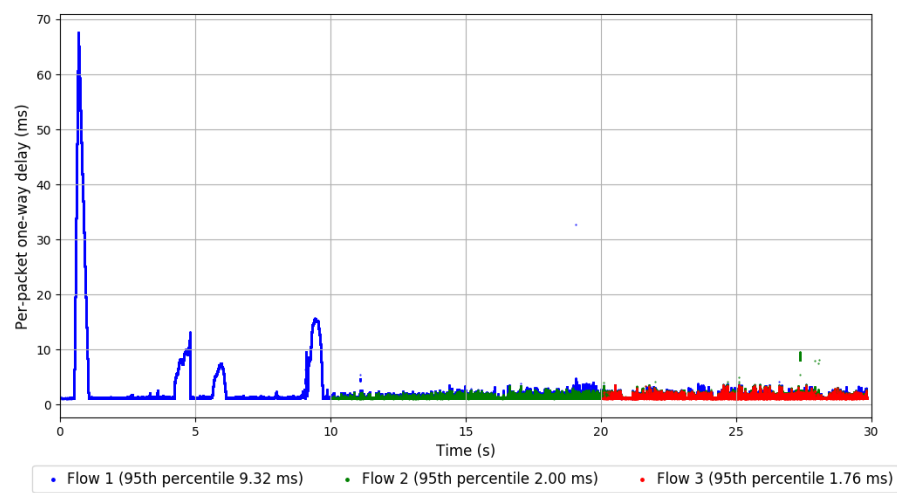
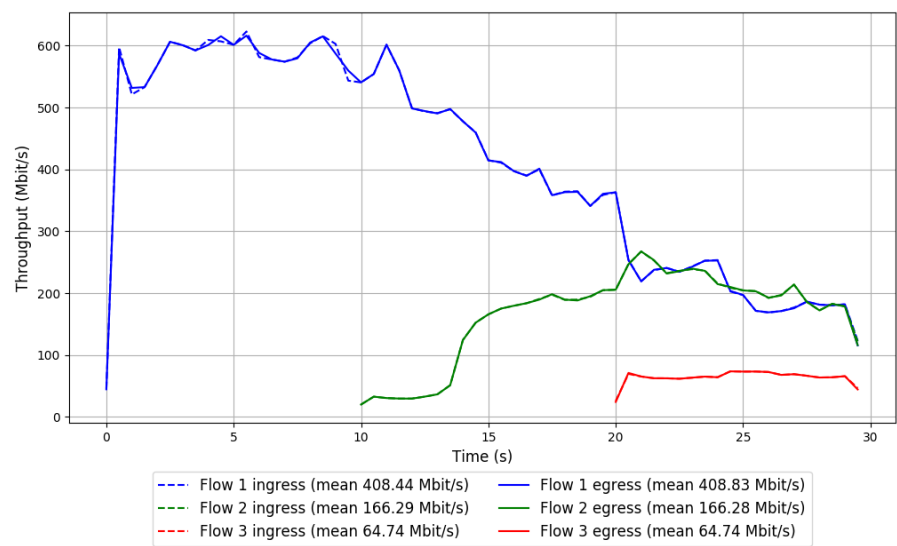
-- Flow 3:

Average throughput: 64.74 Mbit/s

95th percentile per-packet one-way delay: 1.765 ms

Loss rate: 0.18%

Run 3: Report of PCC — Data Link

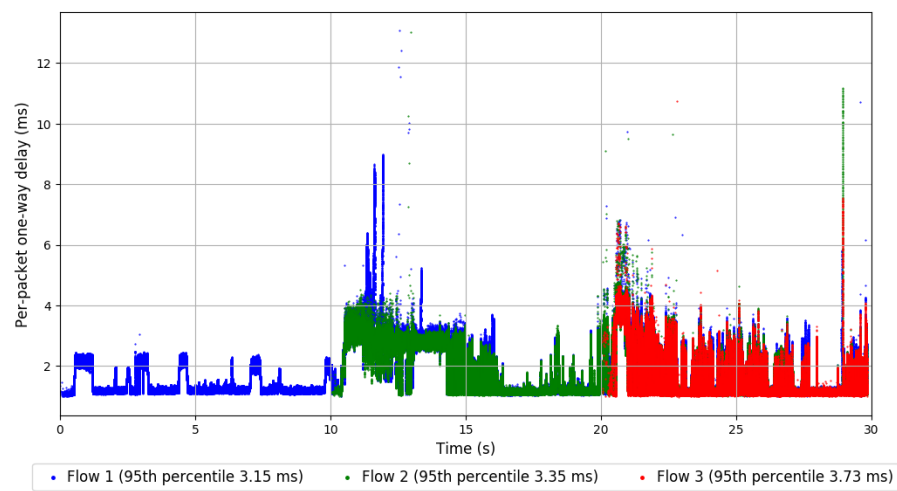
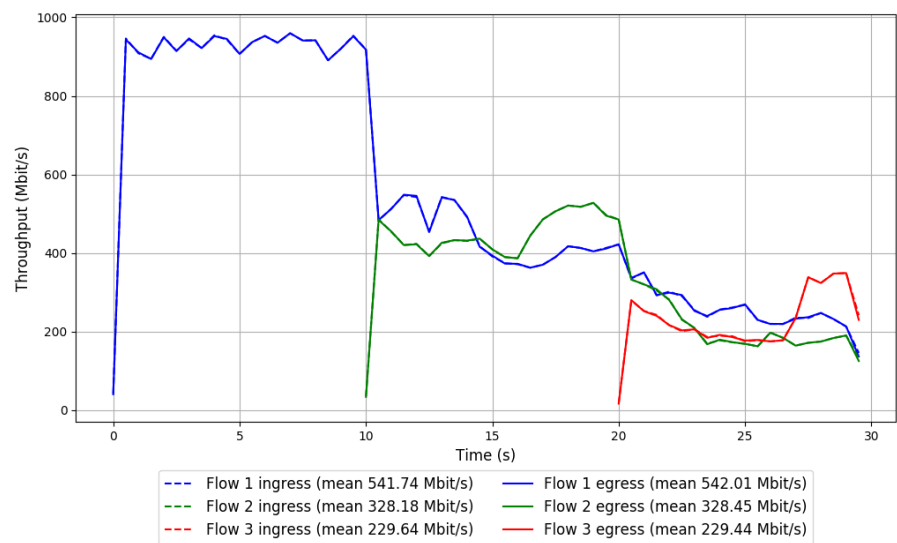


Run 4: Statistics of PCC

Start at: 2018-02-28 01:42:45
End at: 2018-02-28 01:43:15
Local clock offset: -0.502 ms
Remote clock offset: -6.298 ms

```
# Below is generated by plot.py at 2018-02-28 10:51:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 835.60 Mbit/s
95th percentile per-packet one-way delay: 3.260 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 542.01 Mbit/s
95th percentile per-packet one-way delay: 3.147 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 328.45 Mbit/s
95th percentile per-packet one-way delay: 3.355 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 229.44 Mbit/s
95th percentile per-packet one-way delay: 3.728 ms
Loss rate: 0.28%
```

Run 4: Report of PCC — Data Link

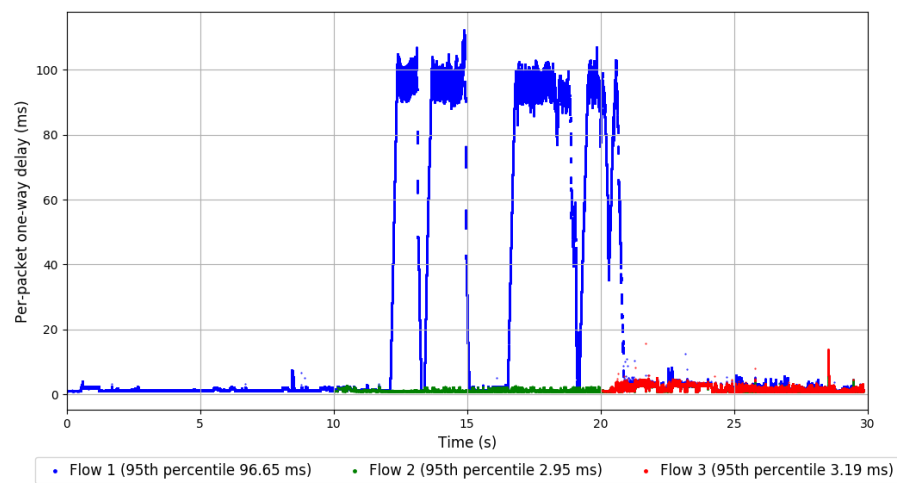
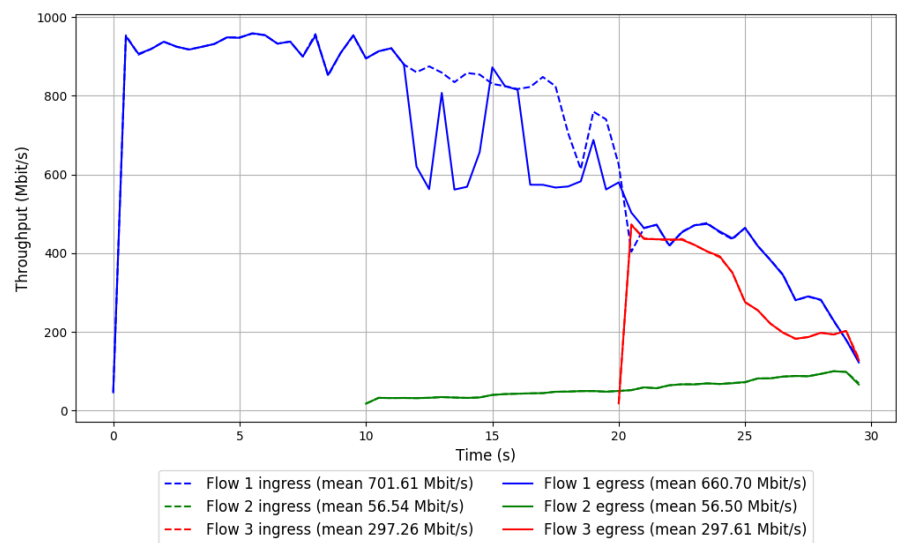


Run 5: Statistics of PCC

Start at: 2018-02-28 02:11:48
End at: 2018-02-28 02:12:18
Local clock offset: 1.1 ms
Remote clock offset: -6.494 ms

Below is generated by plot.py at 2018-02-28 10:51:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 796.01 Mbit/s
95th percentile per-packet one-way delay: 95.860 ms
Loss rate: 4.96%
-- Flow 1:
Average throughput: 660.70 Mbit/s
95th percentile per-packet one-way delay: 96.650 ms
Loss rate: 5.89%
-- Flow 2:
Average throughput: 56.50 Mbit/s
95th percentile per-packet one-way delay: 2.952 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 297.61 Mbit/s
95th percentile per-packet one-way delay: 3.195 ms
Loss rate: 0.08%

Run 5: Report of PCC — Data Link

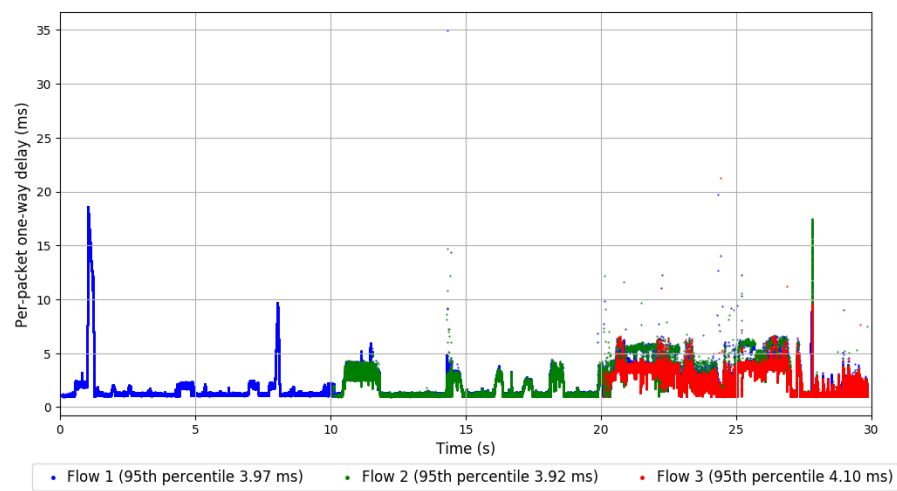
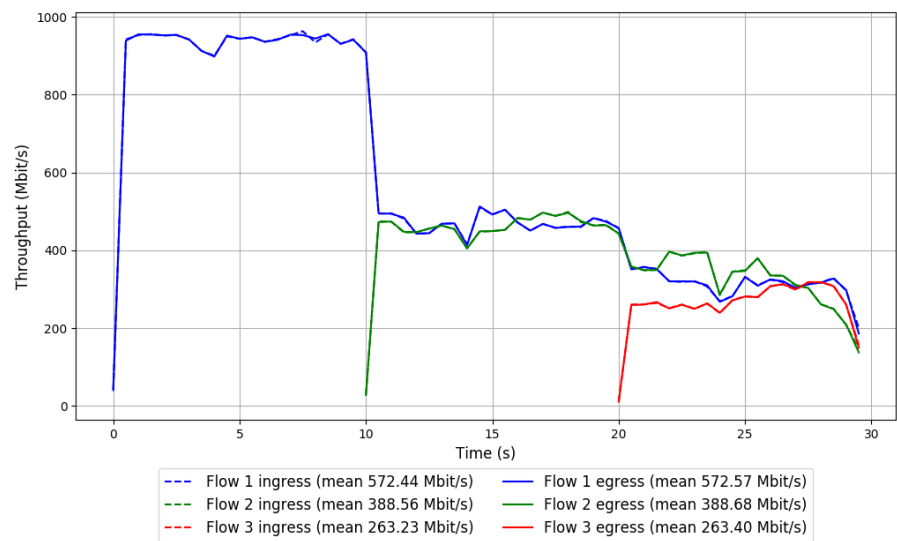


Run 6: Statistics of PCC

Start at: 2018-02-28 02:41:22
End at: 2018-02-28 02:41:52
Local clock offset: -0.299 ms
Remote clock offset: -6.262 ms

Below is generated by plot.py at 2018-02-28 10:53:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 917.15 Mbit/s
95th percentile per-packet one-way delay: 3.986 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 572.57 Mbit/s
95th percentile per-packet one-way delay: 3.970 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 388.68 Mbit/s
95th percentile per-packet one-way delay: 3.922 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 263.40 Mbit/s
95th percentile per-packet one-way delay: 4.096 ms
Loss rate: 0.15%

Run 6: Report of PCC — Data Link

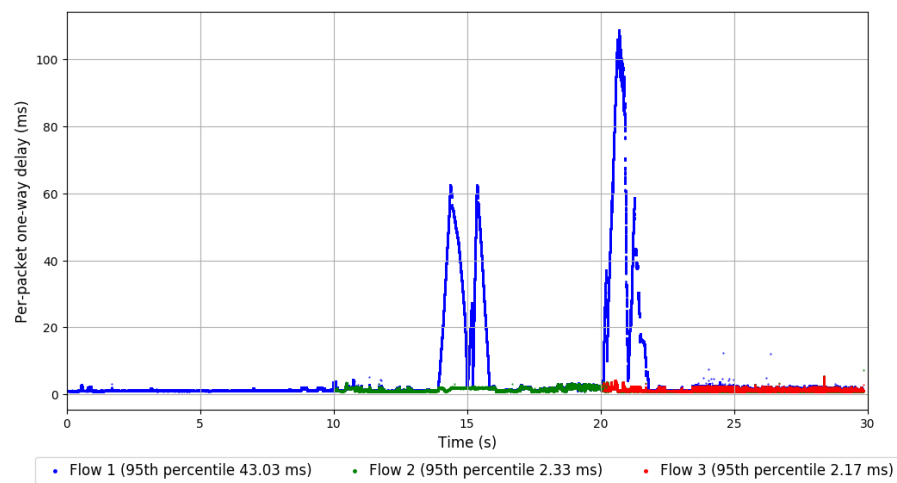
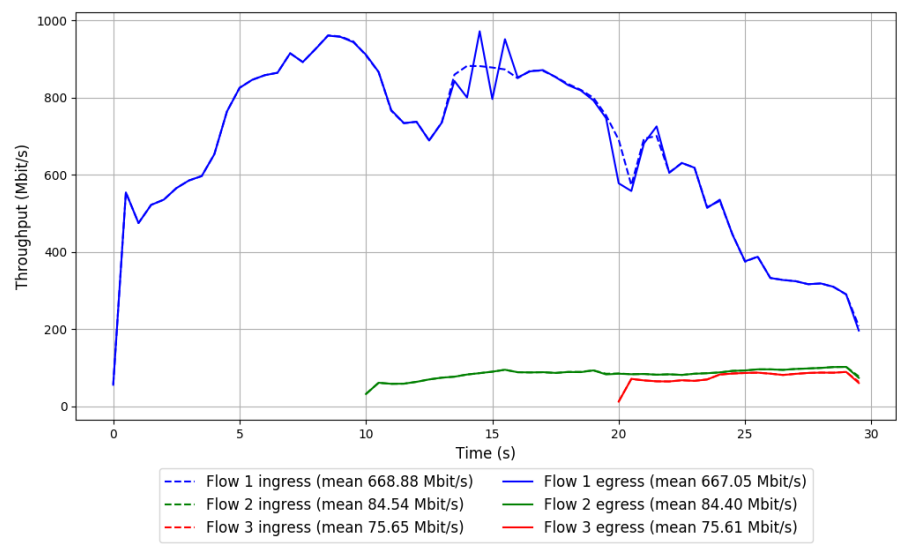


Run 7: Statistics of PCC

Start at: 2018-02-28 03:10:45
End at: 2018-02-28 03:11:15
Local clock offset: -0.474 ms
Remote clock offset: -6.172 ms

Below is generated by plot.py at 2018-02-28 10:53:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 747.86 Mbit/s
95th percentile per-packet one-way delay: 39.499 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 667.05 Mbit/s
95th percentile per-packet one-way delay: 43.035 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 2.166 ms
Loss rate: 0.24%

Run 7: Report of PCC — Data Link

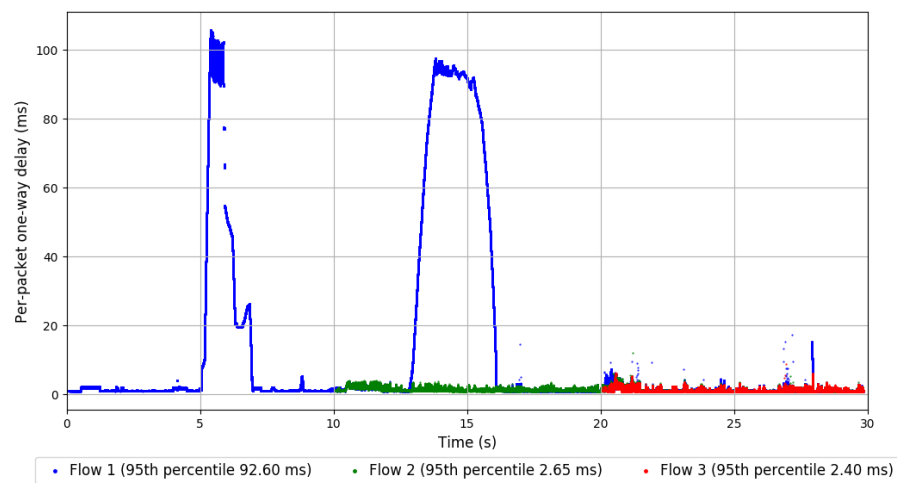
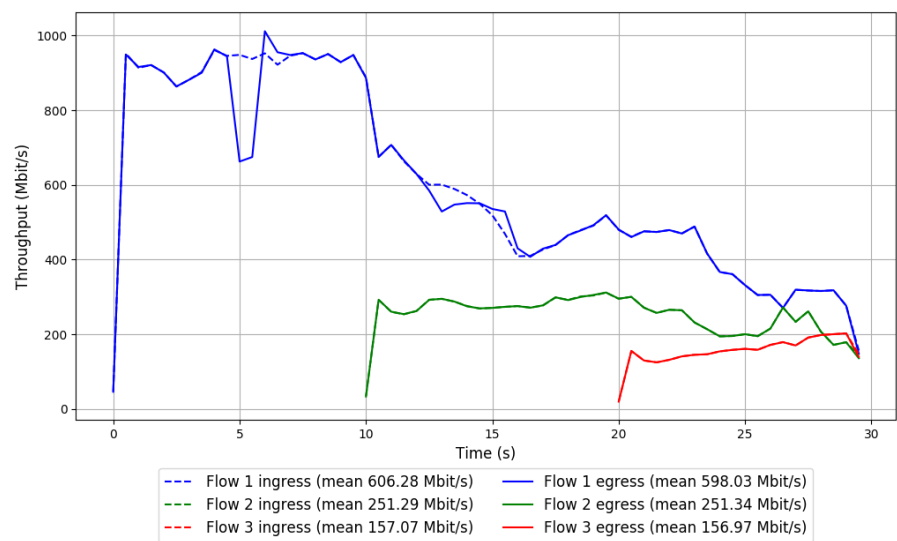


Run 8: Statistics of PCC

Start at: 2018-02-28 03:39:59
End at: 2018-02-28 03:40:29
Local clock offset: -0.472 ms
Remote clock offset: -6.164 ms

Below is generated by plot.py at 2018-02-28 10:54:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 816.46 Mbit/s
95th percentile per-packet one-way delay: 87.047 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 598.03 Mbit/s
95th percentile per-packet one-way delay: 92.600 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 251.34 Mbit/s
95th percentile per-packet one-way delay: 2.652 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 156.97 Mbit/s
95th percentile per-packet one-way delay: 2.399 ms
Loss rate: 0.27%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-28 04:08:56

End at: 2018-02-28 04:09:26

Local clock offset: 0.275 ms

Remote clock offset: -6.08 ms

Below is generated by plot.py at 2018-02-28 10:58:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 769.78 Mbit/s

95th percentile per-packet one-way delay: 24.212 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 557.77 Mbit/s

95th percentile per-packet one-way delay: 36.396 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 242.03 Mbit/s

95th percentile per-packet one-way delay: 3.104 ms

Loss rate: 0.07%

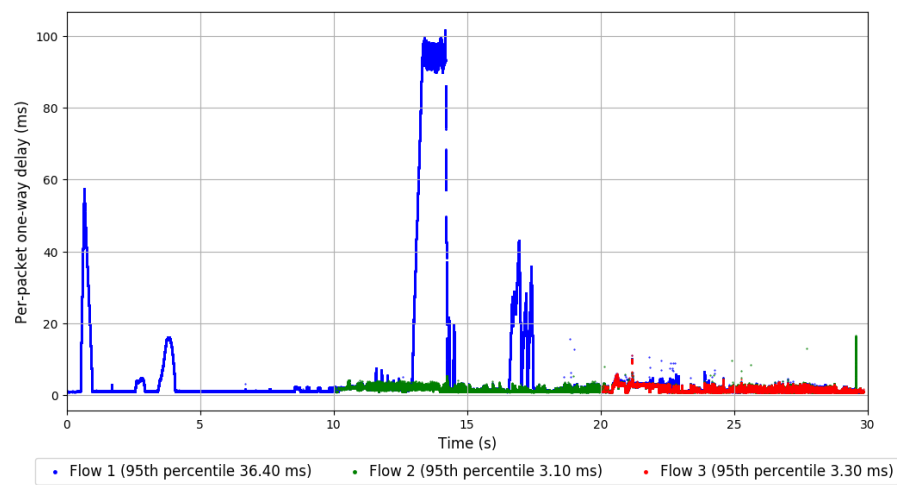
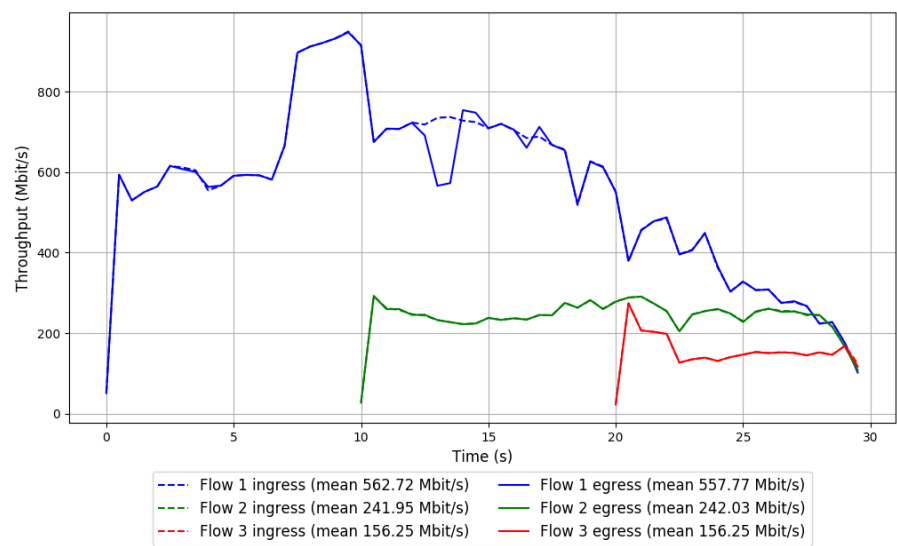
-- Flow 3:

Average throughput: 156.25 Mbit/s

95th percentile per-packet one-way delay: 3.301 ms

Loss rate: 0.23%

Run 9: Report of PCC — Data Link

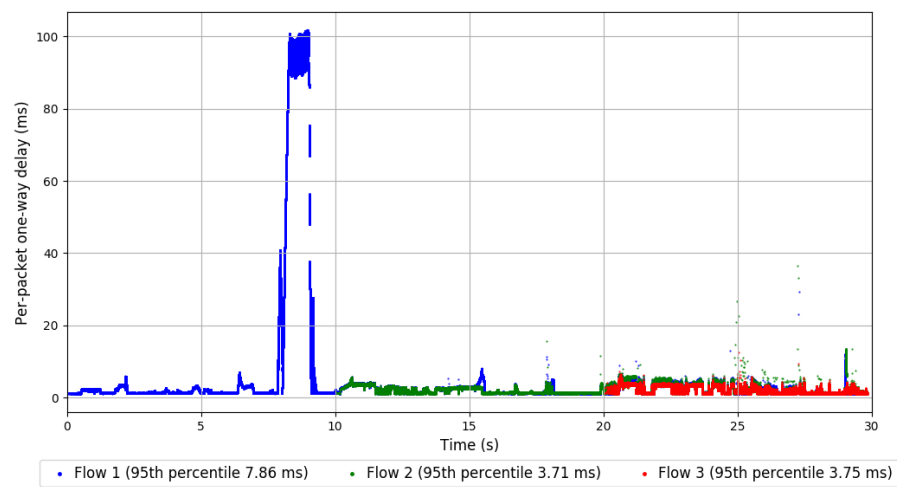
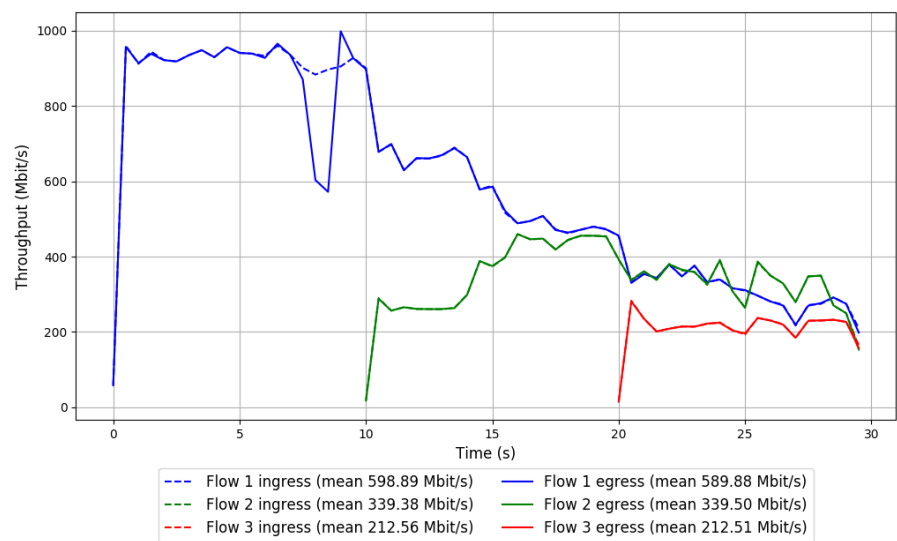


Run 10: Statistics of PCC

Start at: 2018-02-28 04:38:17
End at: 2018-02-28 04:38:47
Local clock offset: 2.607 ms
Remote clock offset: -4.994 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 885.17 Mbit/s
95th percentile per-packet one-way delay: 4.202 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 589.88 Mbit/s
95th percentile per-packet one-way delay: 7.863 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 339.50 Mbit/s
95th percentile per-packet one-way delay: 3.705 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 212.51 Mbit/s
95th percentile per-packet one-way delay: 3.747 ms
Loss rate: 0.22%

Run 10: Report of PCC — Data Link

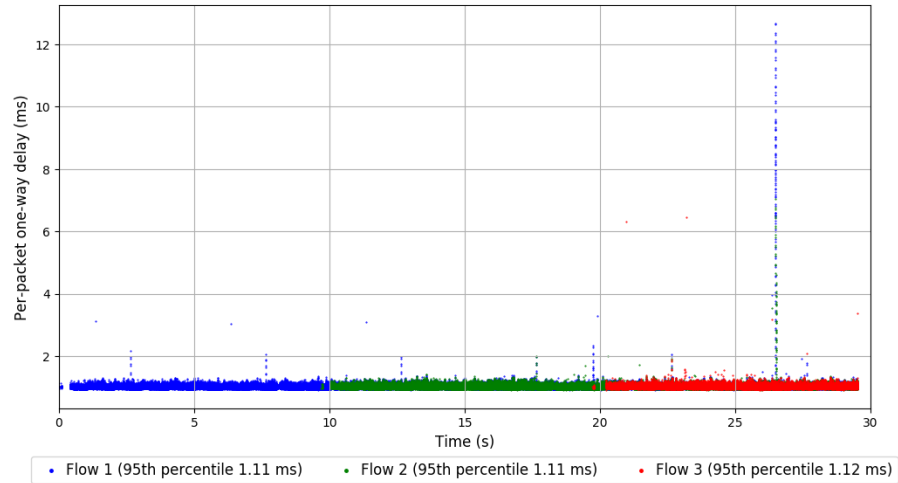
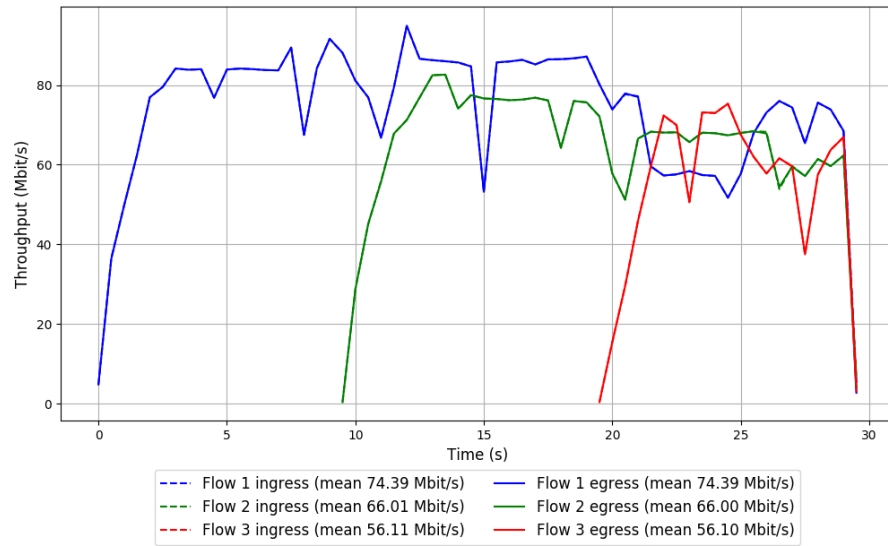


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-28 00:04:18
End at: 2018-02-28 00:04:48
Local clock offset: 2.051 ms
Remote clock offset: -6.595 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.43 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 74.39 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 66.00 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.20%

Run 1: Report of QUIC Cubic — Data Link

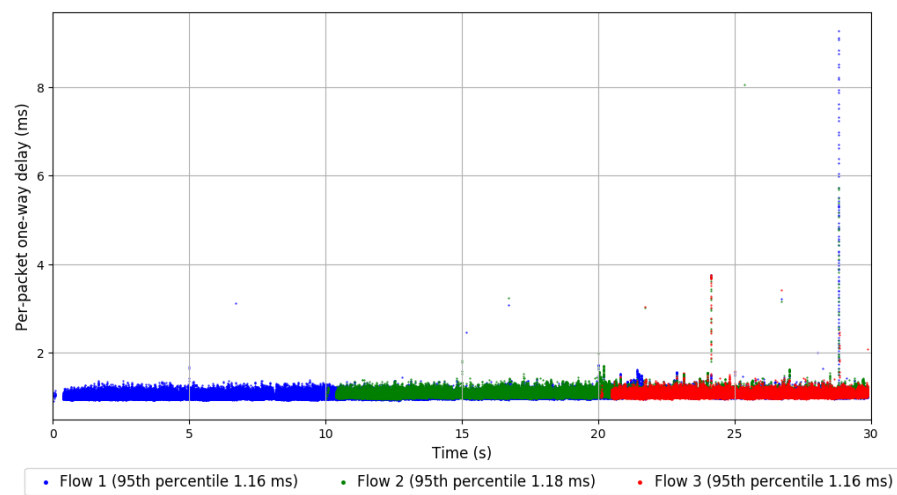
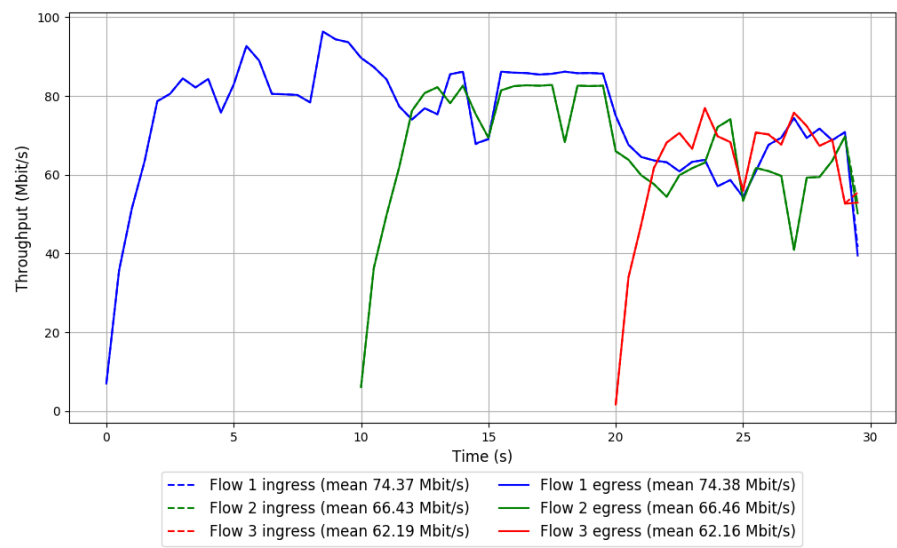


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-28 00:33:23
End at: 2018-02-28 00:33:53
Local clock offset: -0.478 ms
Remote clock offset: -4.637 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.97 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.38 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 66.46 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.23%

Run 2: Report of QUIC Cubic — Data Link

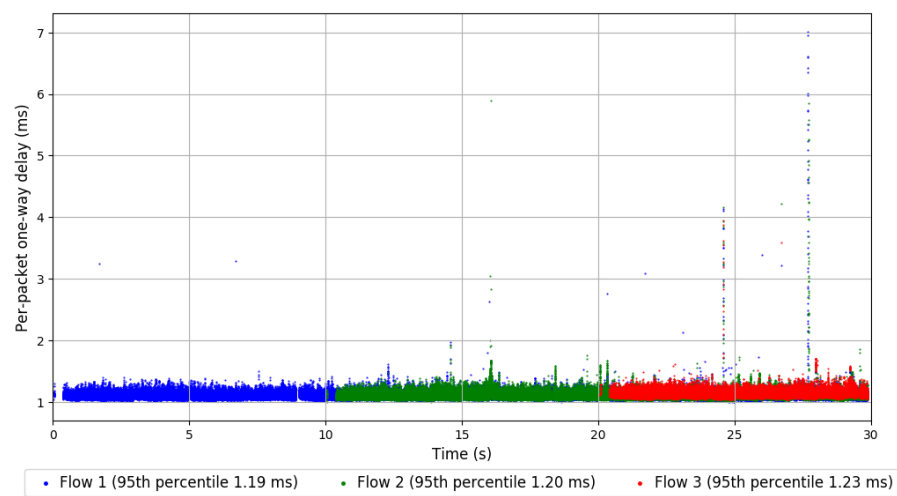
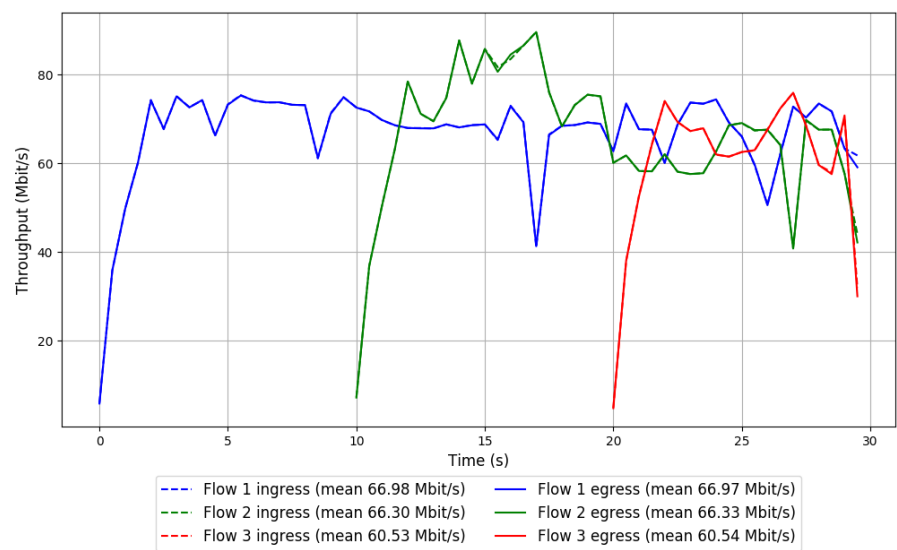


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-28 01:02:22
End at: 2018-02-28 01:02:52
Local clock offset: -0.405 ms
Remote clock offset: -5.454 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.99 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 66.33 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.16%

Run 3: Report of QUIC Cubic — Data Link

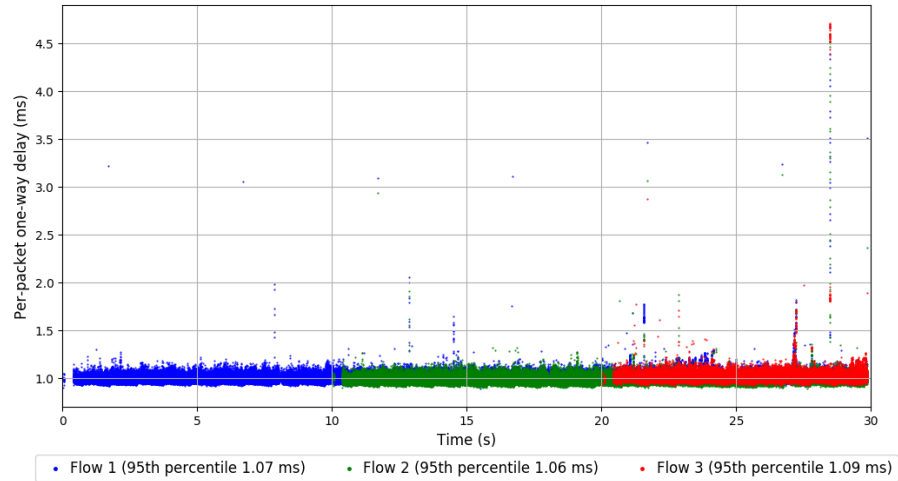
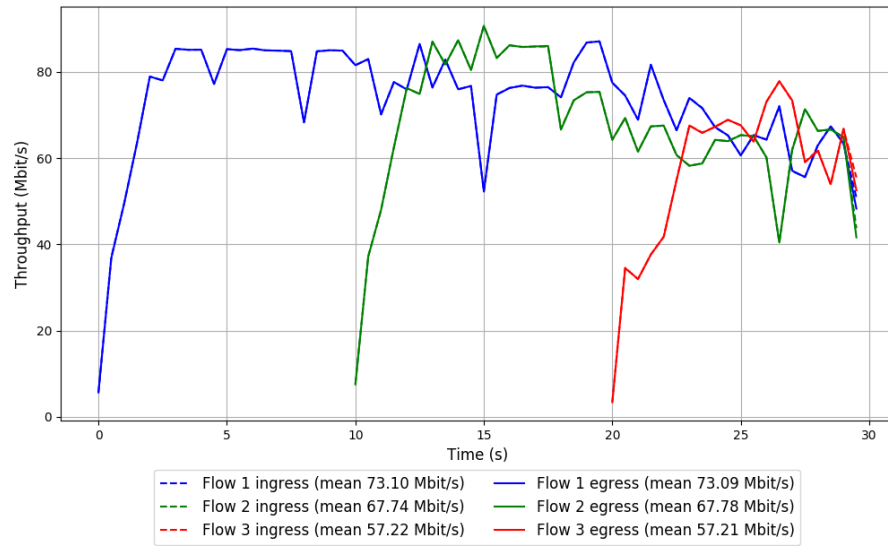


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-28 01:31:26
End at: 2018-02-28 01:31:56
Local clock offset: -0.552 ms
Remote clock offset: -6.159 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.95 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.78 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.27%

Run 4: Report of QUIC Cubic — Data Link

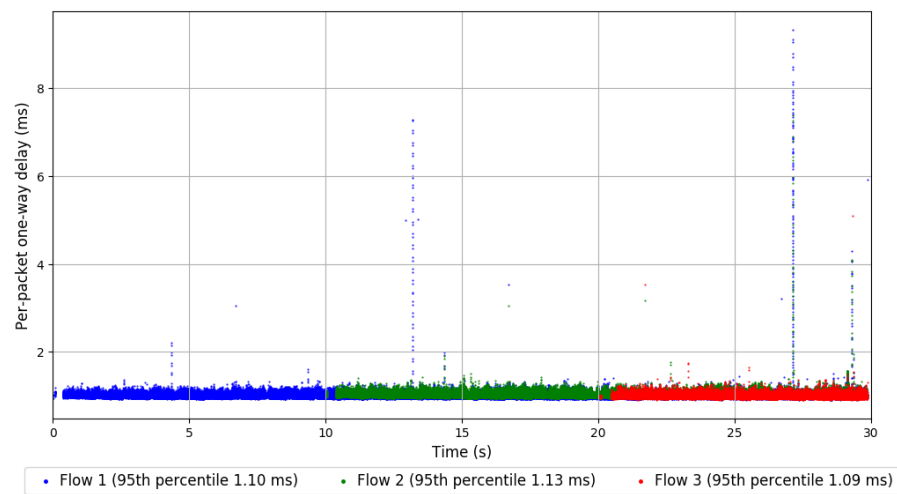
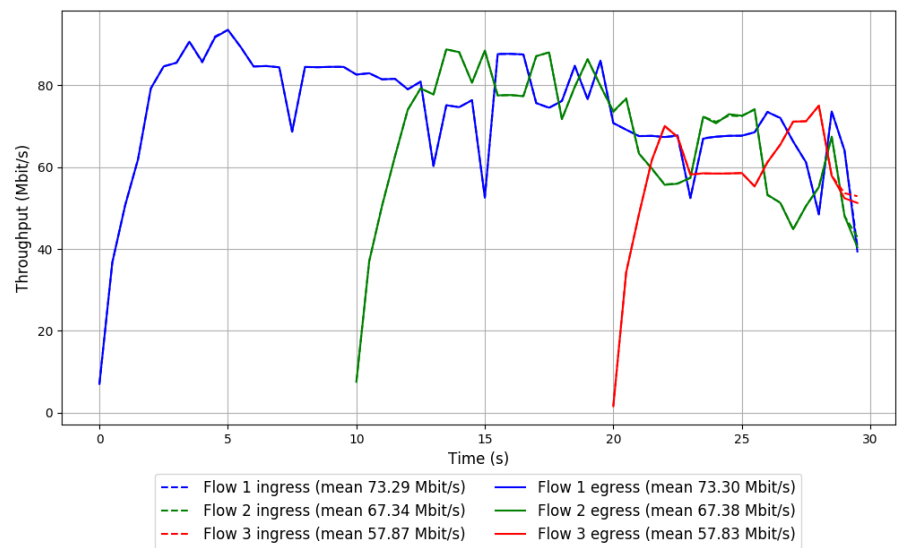


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-28 02:00:44
End at: 2018-02-28 02:01:14
Local clock offset: 0.675 ms
Remote clock offset: -6.422 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.10 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 67.38 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.26%

Run 5: Report of QUIC Cubic — Data Link

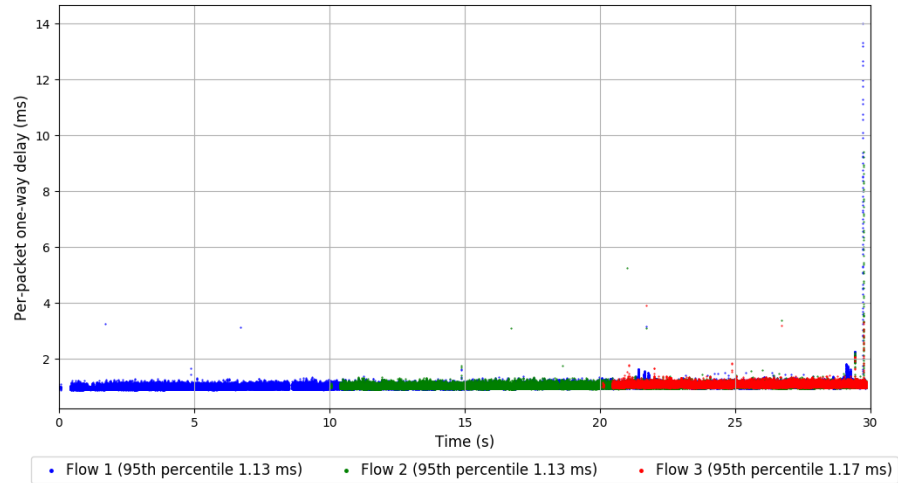
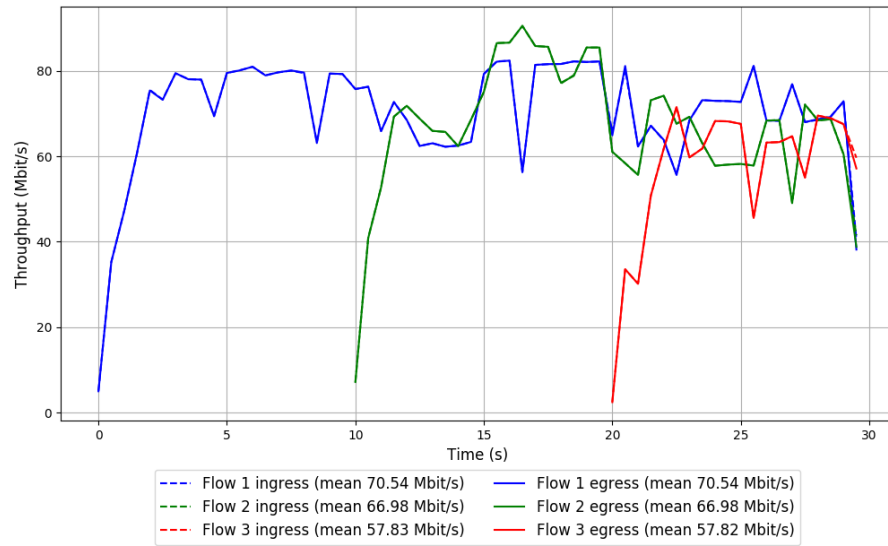


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-28 02:30:06
End at: 2018-02-28 02:30:36
Local clock offset: 0.387 ms
Remote clock offset: -6.297 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.00 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 66.98 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.24%

Run 6: Report of QUIC Cubic — Data Link

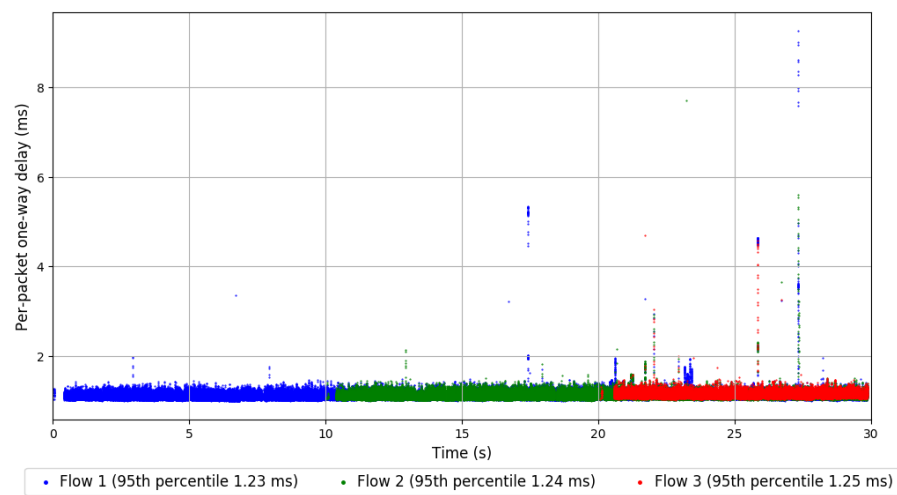
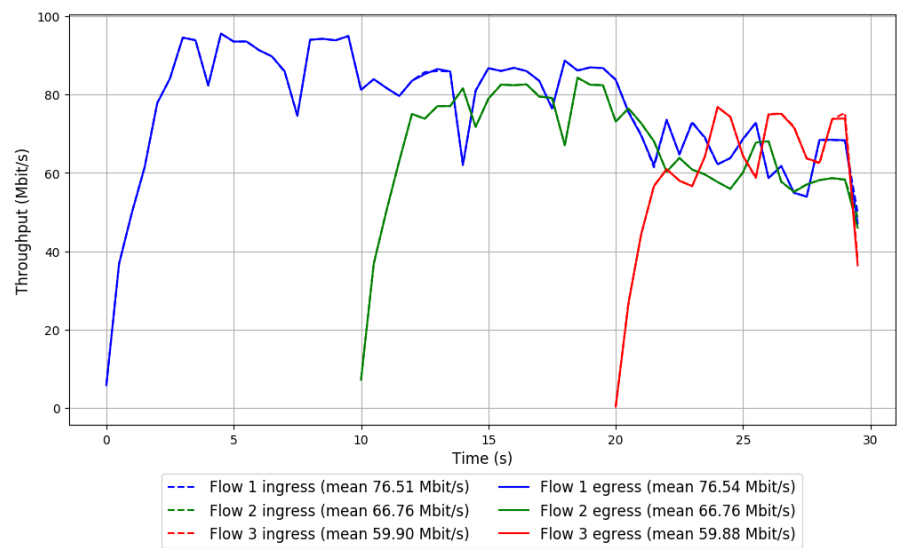


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-28 02:59:29
End at: 2018-02-28 02:59:59
Local clock offset: -0.534 ms
Remote clock offset: -6.302 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.57 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 66.76 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 59.88 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.23%

Run 7: Report of QUIC Cubic — Data Link

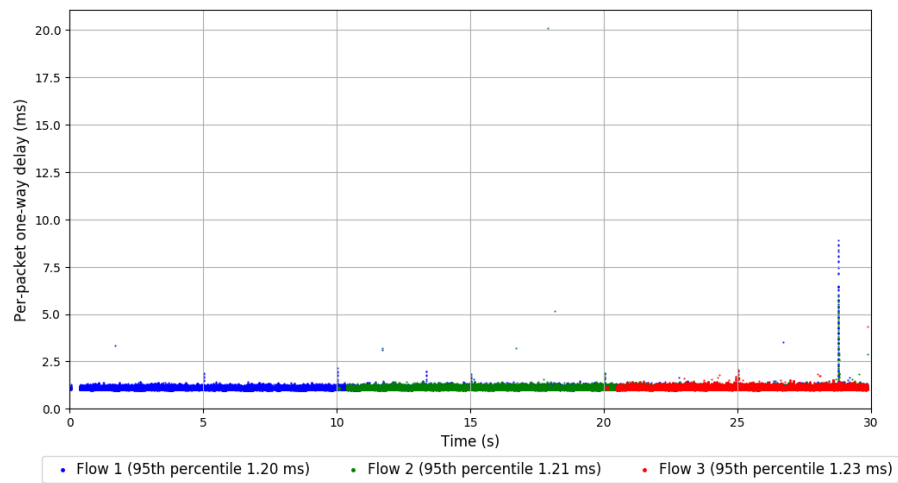
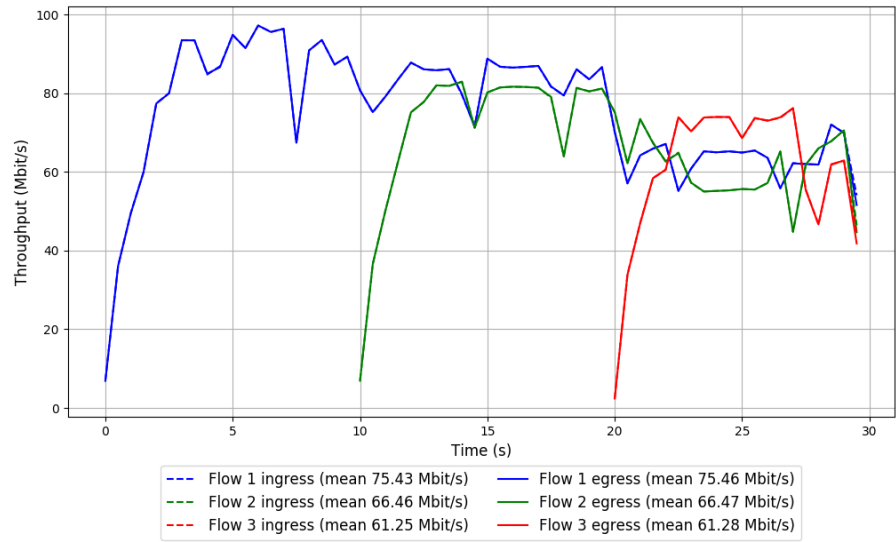


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-28 03:28:38
End at: 2018-02-28 03:29:08
Local clock offset: -0.449 ms
Remote clock offset: -6.205 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.74 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 66.47 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.20%

Run 8: Report of QUIC Cubic — Data Link

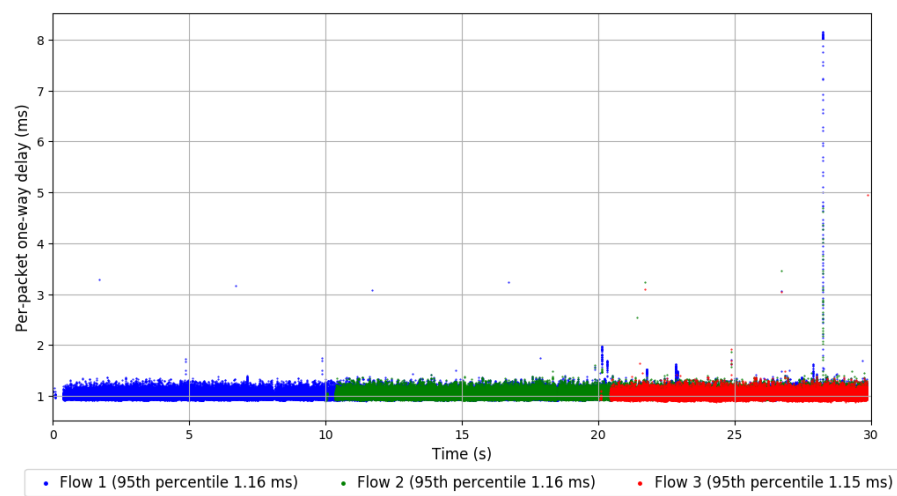
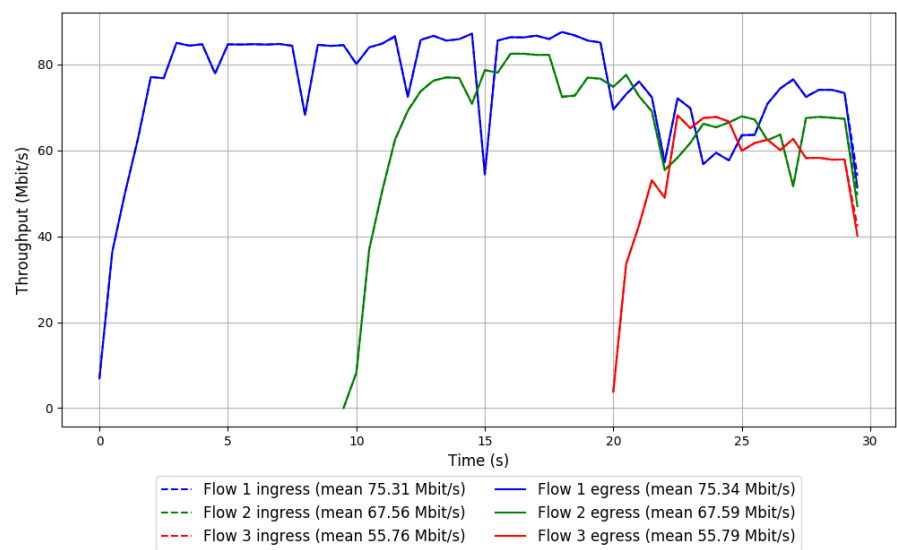


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-28 03:57:53
End at: 2018-02-28 03:58:23
Local clock offset: -0.365 ms
Remote clock offset: -6.169 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.64 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 75.34 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 67.59 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 55.79 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.21%

Run 9: Report of QUIC Cubic — Data Link

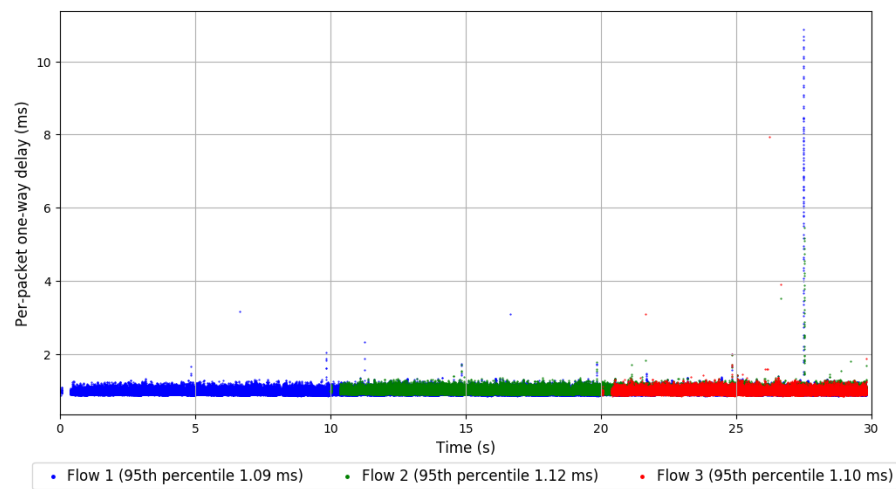
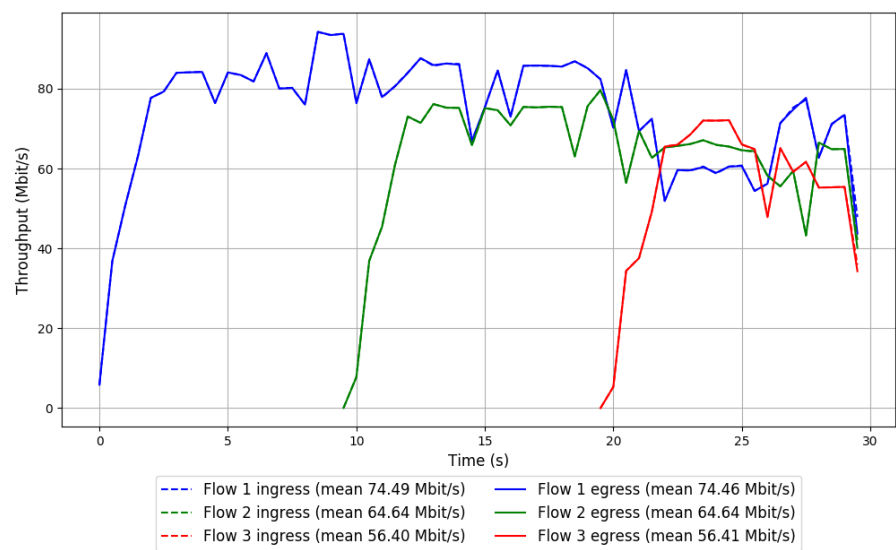


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-28 04:26:59
End at: 2018-02-28 04:27:29
Local clock offset: 2.038 ms
Remote clock offset: -5.124 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.06 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 74.46 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 64.64 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 1.104 ms
Loss rate: 0.16%

Run 10: Report of QUIC Cubic — Data Link

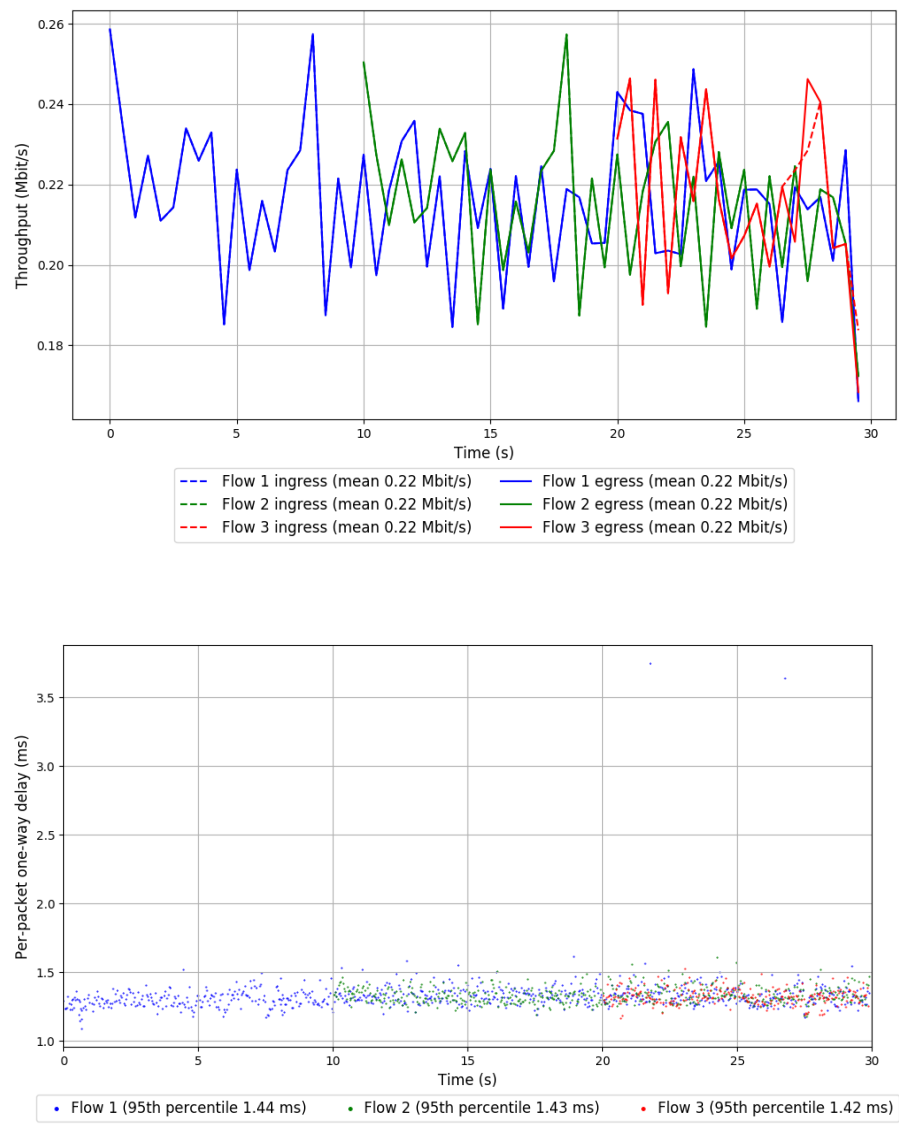


Run 1: Statistics of SCReAM

Start at: 2018-02-28 00:23:51
End at: 2018-02-28 00:24:21
Local clock offset: -0.011 ms
Remote clock offset: -5.051 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.436 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.424 ms
Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

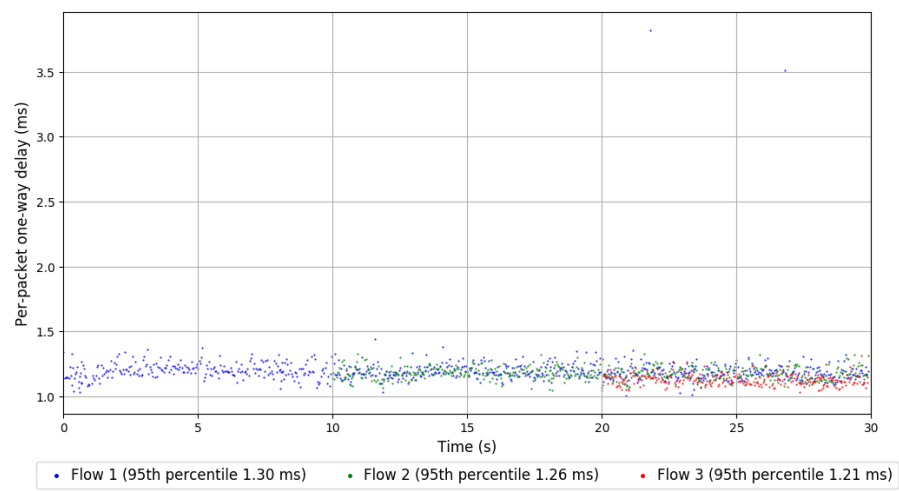
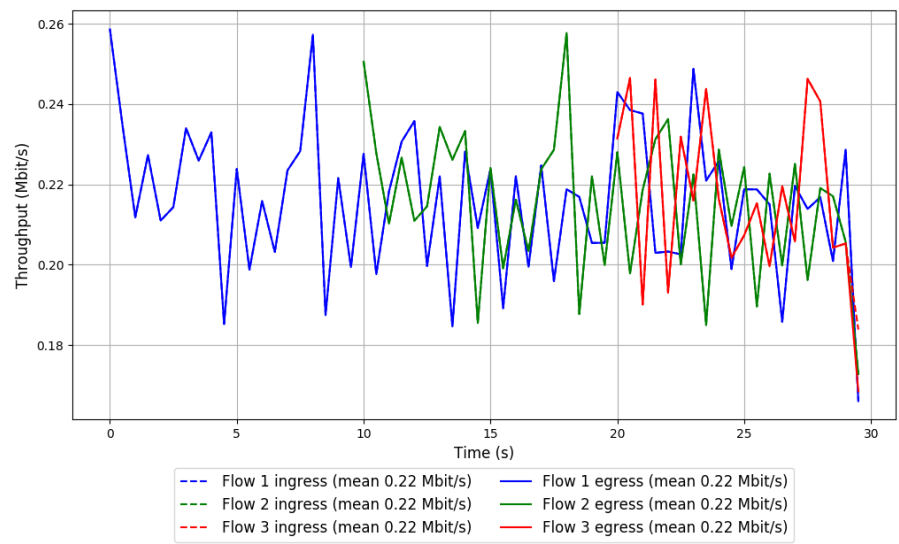


Run 2: Statistics of SReAM

Start at: 2018-02-28 00:52:47
End at: 2018-02-28 00:53:17
Local clock offset: -0.393 ms
Remote clock offset: -5.218 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

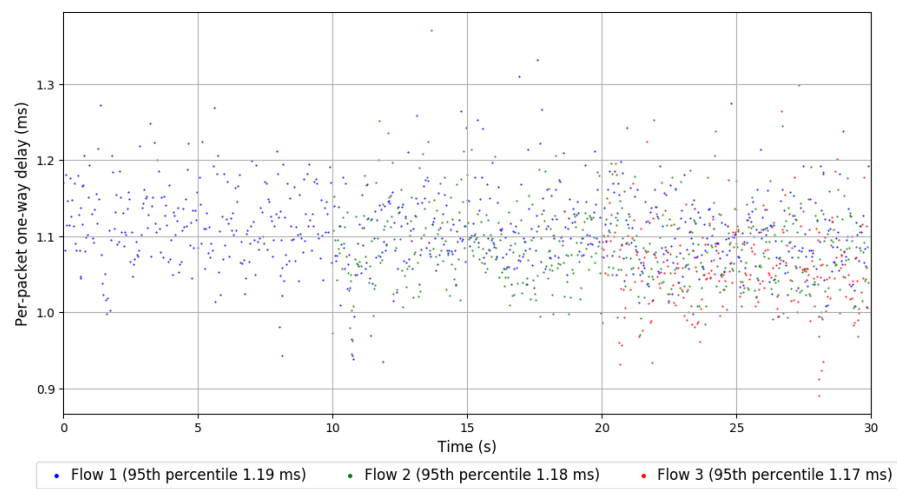
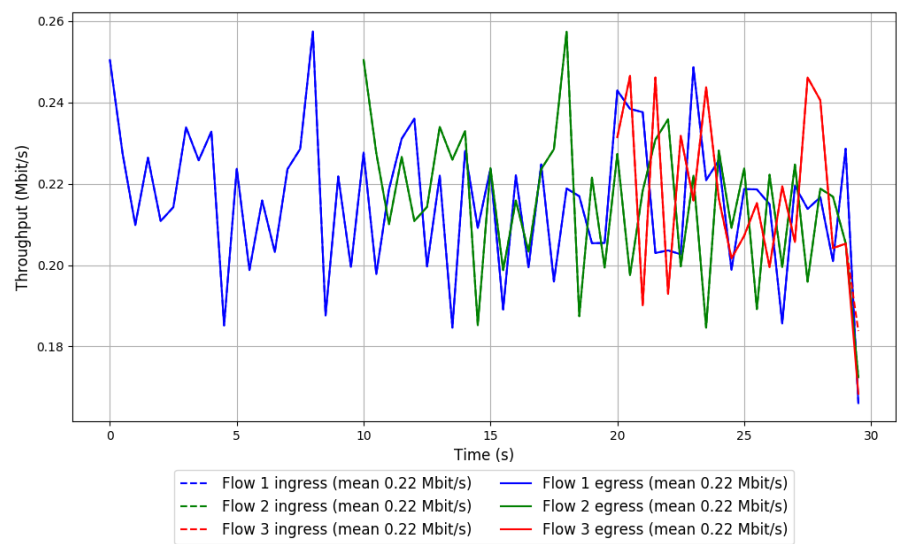


Run 3: Statistics of SCReAM

Start at: 2018-02-28 01:21:46
End at: 2018-02-28 01:22:16
Local clock offset: -0.465 ms
Remote clock offset: -5.735 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

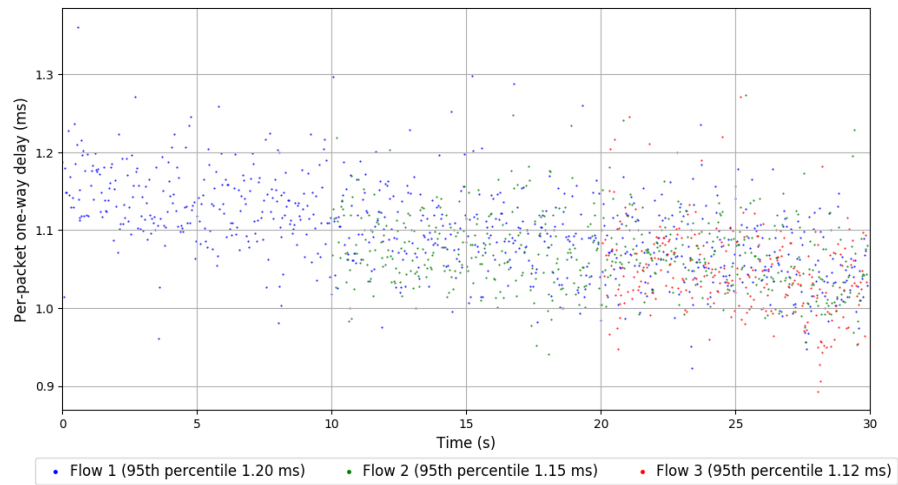
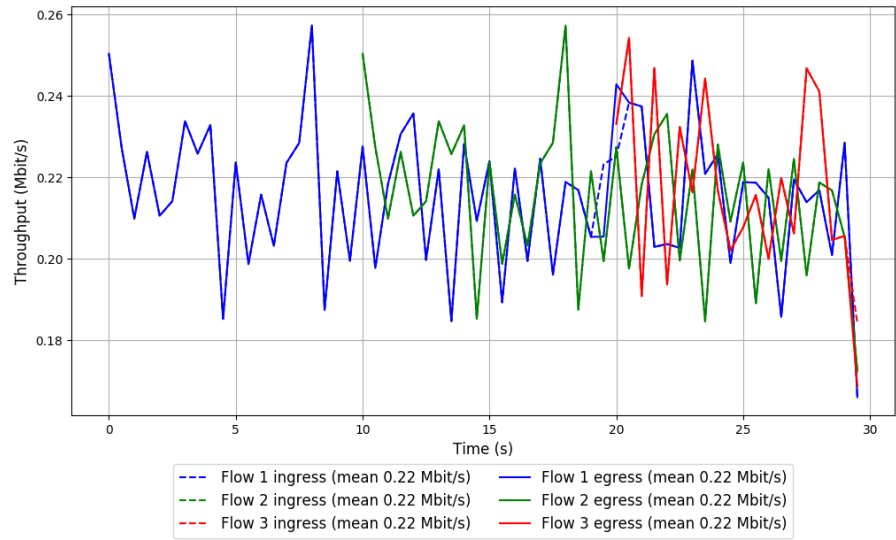


Run 4: Statistics of SReAM

Start at: 2018-02-28 01:51:10
End at: 2018-02-28 01:51:40
Local clock offset: -0.284 ms
Remote clock offset: -6.361 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.181 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: 1.154 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

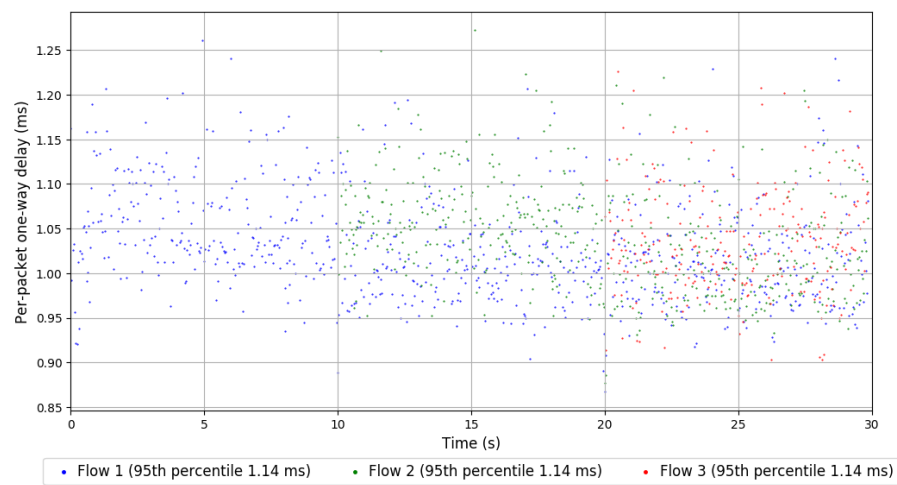
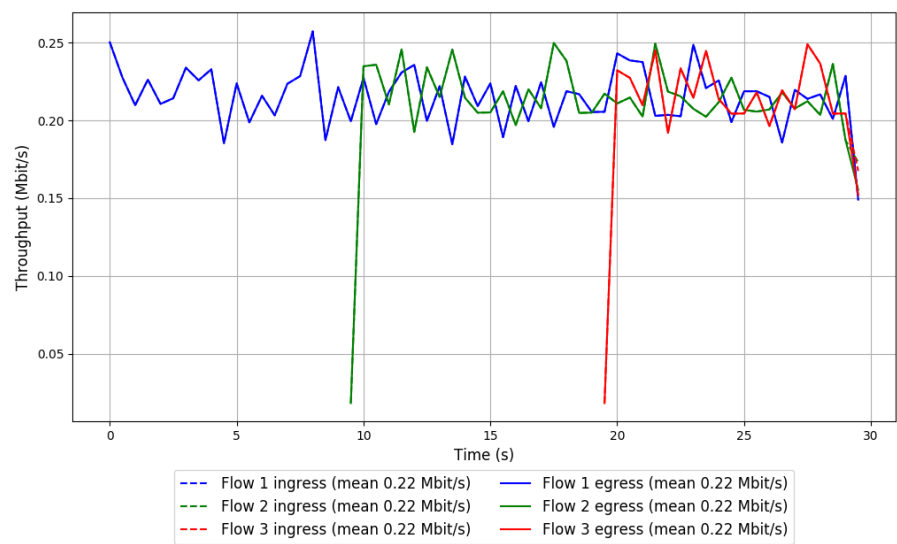


Run 5: Statistics of SReAM

Start at: 2018-02-28 02:20:27
End at: 2018-02-28 02:20:57
Local clock offset: 1.378 ms
Remote clock offset: -6.435 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

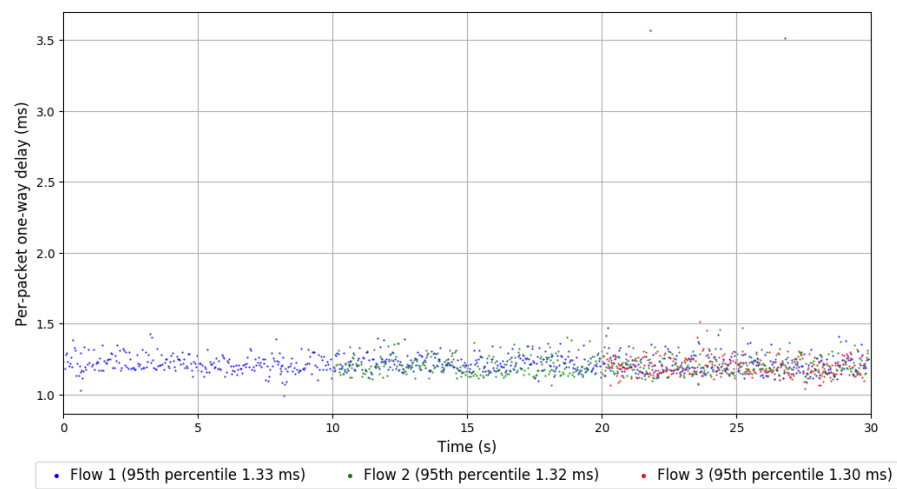
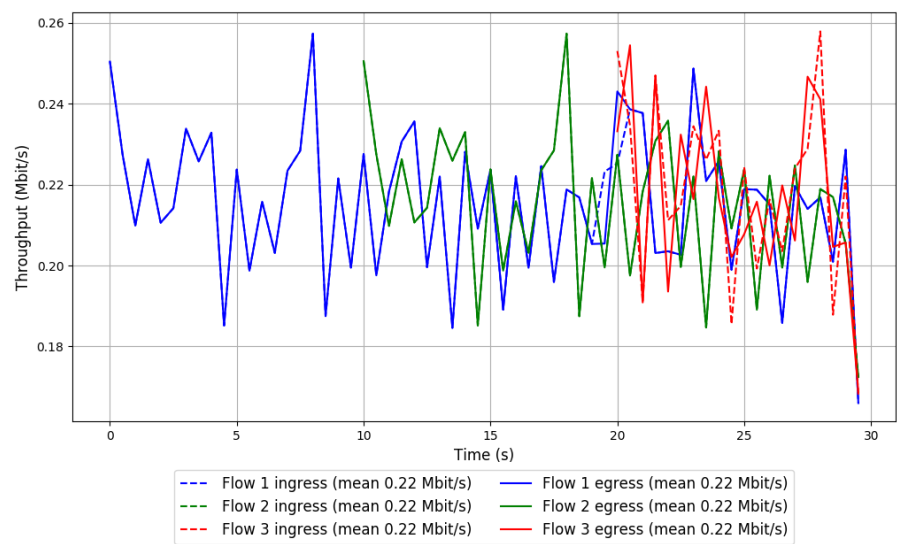


Run 6: Statistics of SReAM

Start at: 2018-02-28 02:49:49
End at: 2018-02-28 02:50:19
Local clock offset: -0.502 ms
Remote clock offset: -6.265 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.321 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

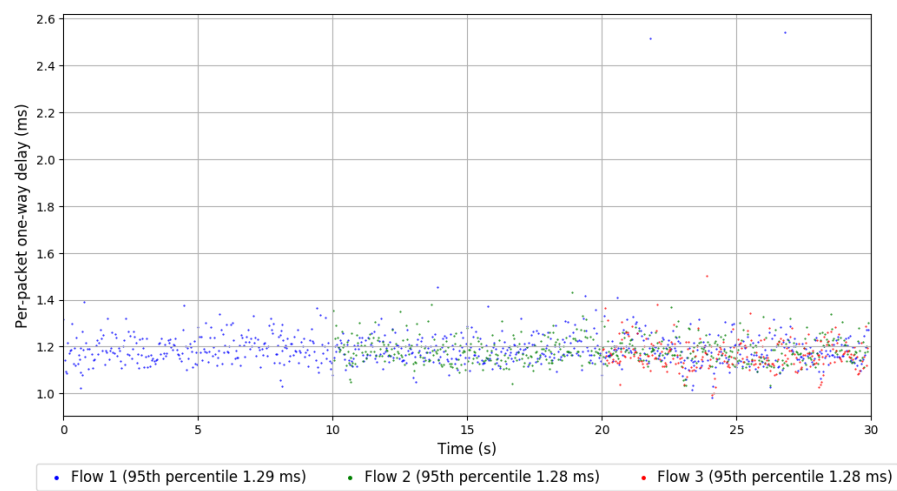
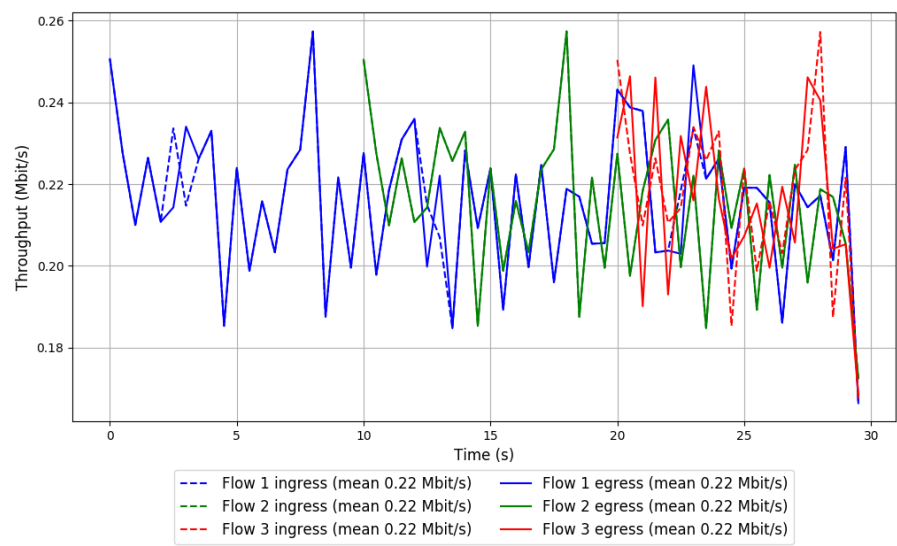


Run 7: Statistics of SReAM

Start at: 2018-02-28 03:19:03
End at: 2018-02-28 03:19:33
Local clock offset: -0.462 ms
Remote clock offset: -6.227 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

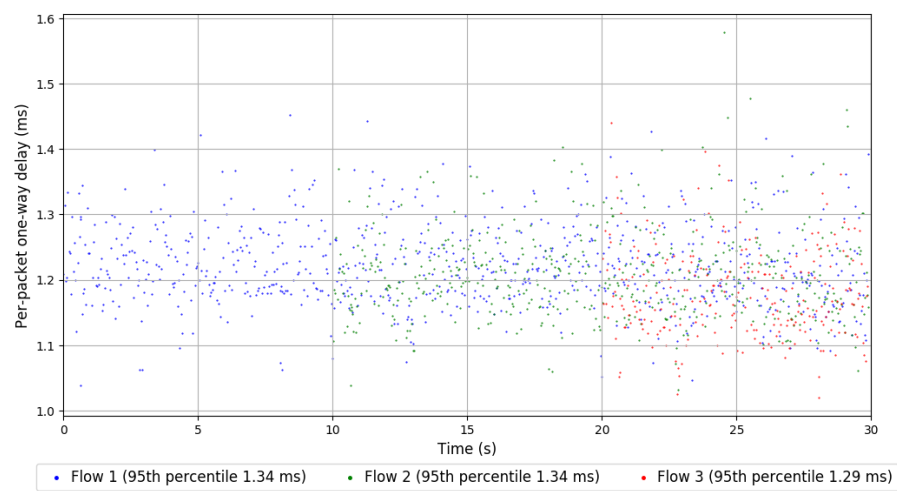
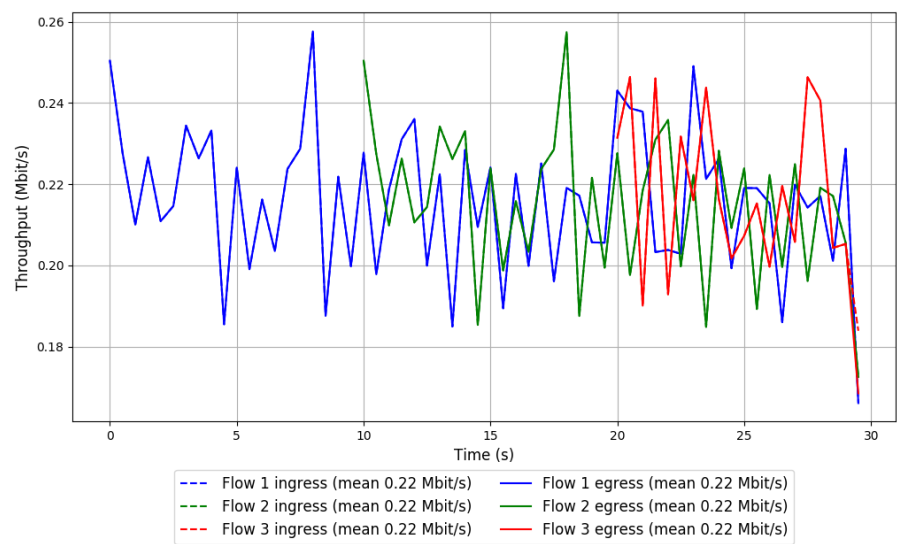


Run 8: Statistics of SReAM

Start at: 2018-02-28 03:48:23
End at: 2018-02-28 03:48:53
Local clock offset: -0.394 ms
Remote clock offset: -6.256 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.334 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

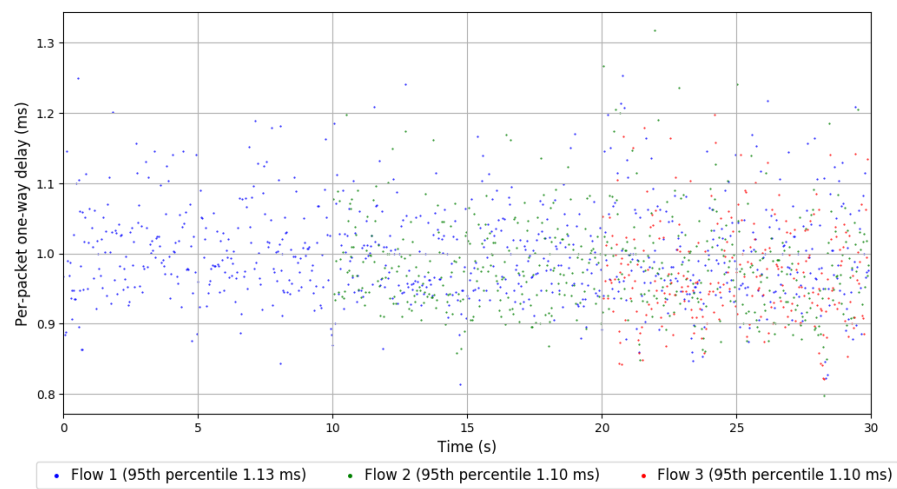
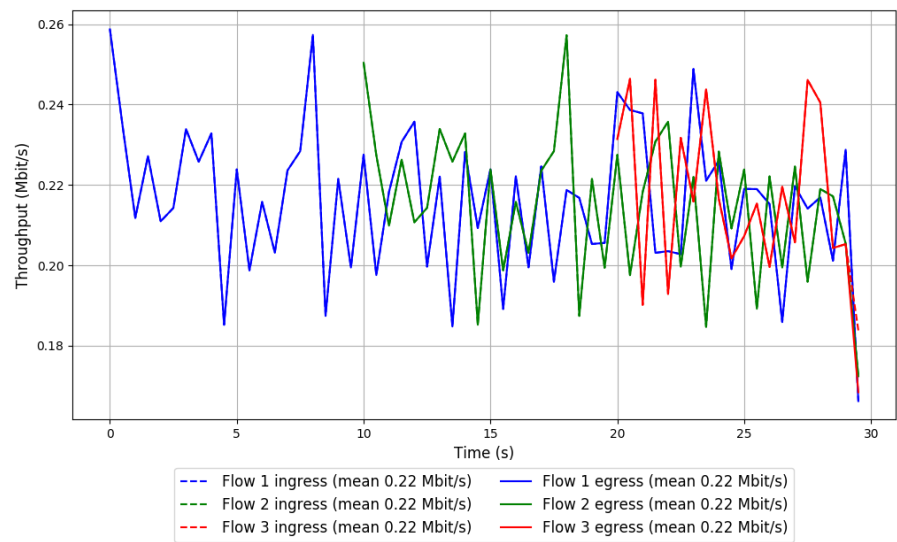


Run 9: Statistics of SReAM

Start at: 2018-02-28 04:17:20
End at: 2018-02-28 04:17:50
Local clock offset: 1.266 ms
Remote clock offset: -5.447 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.35%

Run 9: Report of SCRaM — Data Link

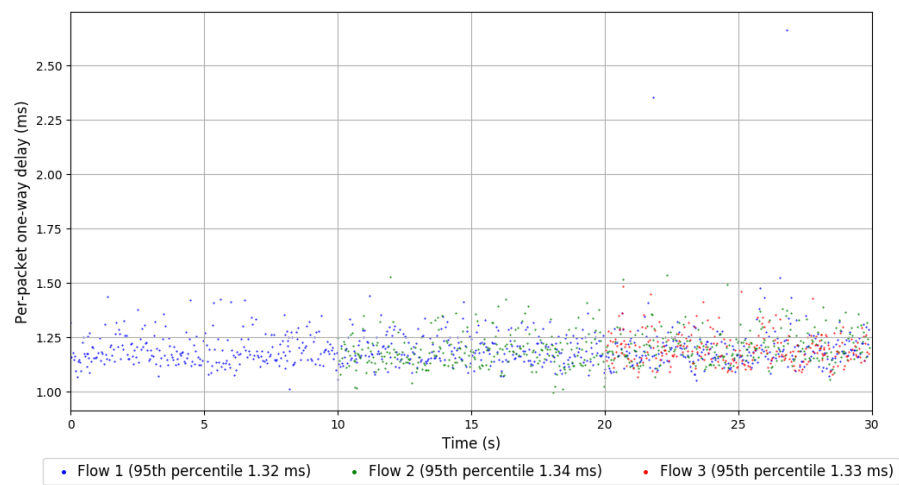
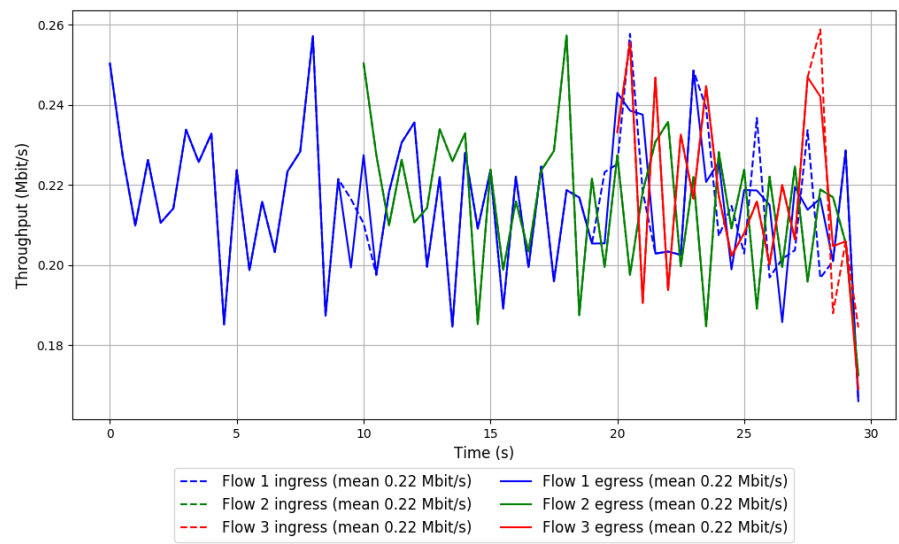


Run 10: Statistics of SReAM

Start at: 2018-02-28 04:46:38
End at: 2018-02-28 04:47:08
Local clock offset: 1.888 ms
Remote clock offset: -4.743 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.333 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.343 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.334 ms
Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

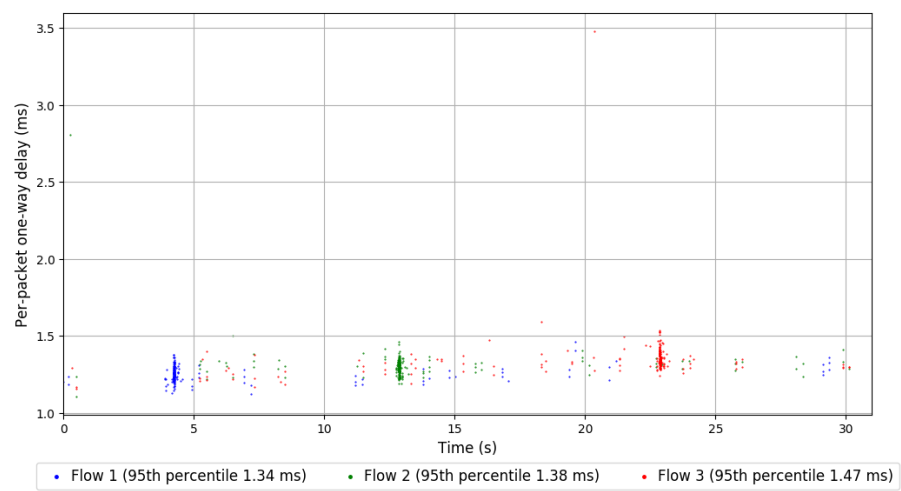
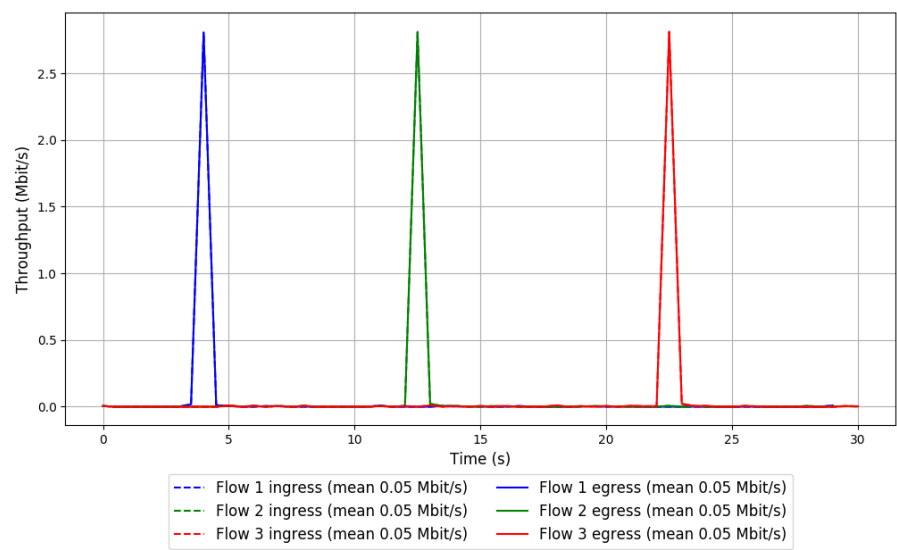


Run 1: Statistics of WebRTC media

Start at: 2018-02-28 00:12:27
End at: 2018-02-28 00:12:57
Local clock offset: 1.022 ms
Remote clock offset: -5.954 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.470 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

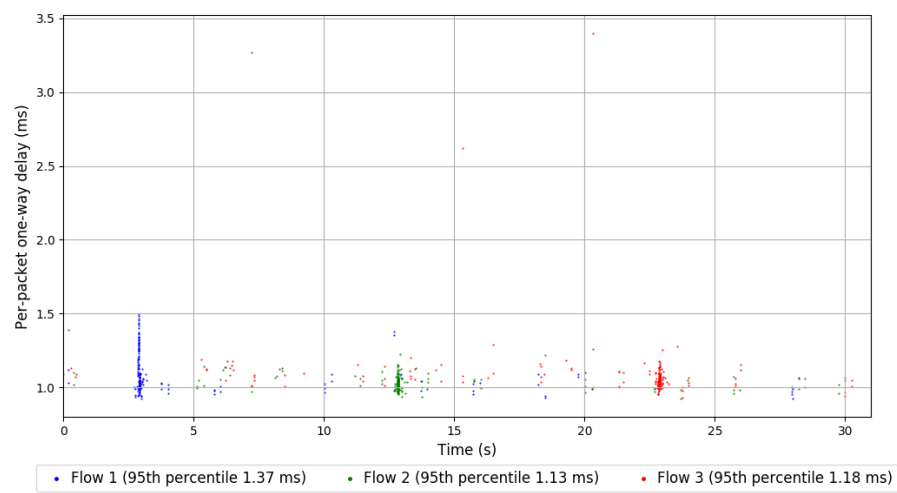
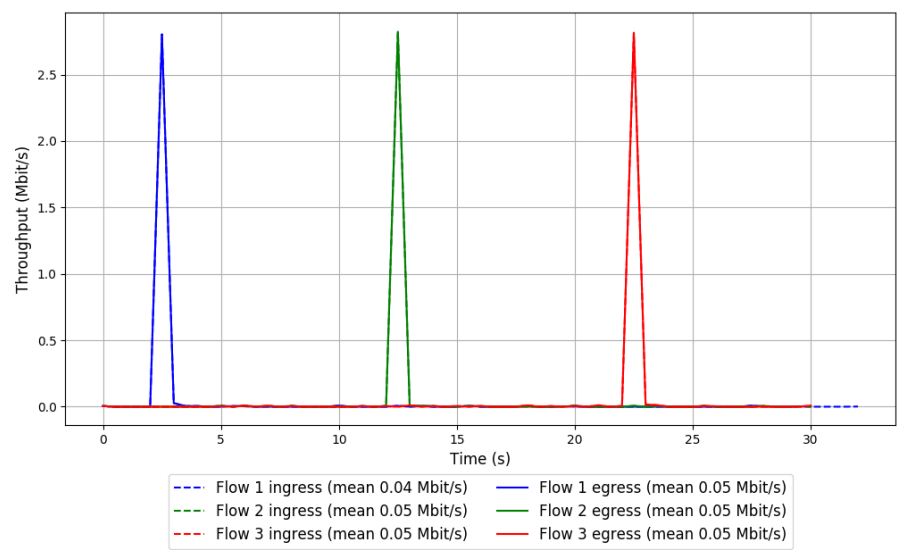


Run 2: Statistics of WebRTC media

Start at: 2018-02-28 00:41:34
End at: 2018-02-28 00:42:04
Local clock offset: -0.566 ms
Remote clock offset: -4.296 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

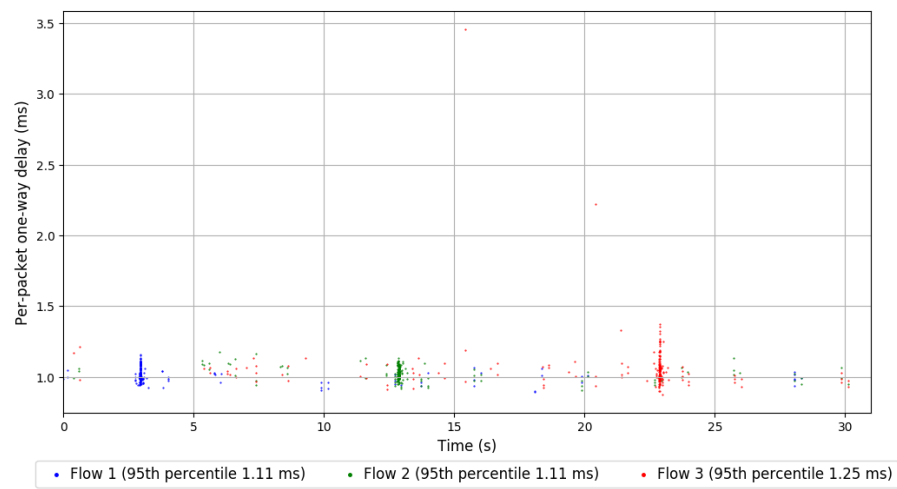
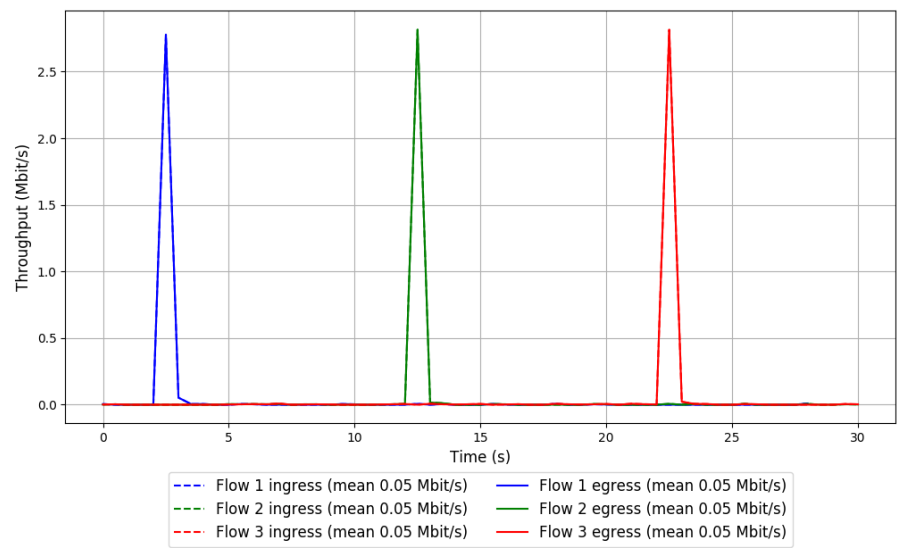


Run 3: Statistics of WebRTC media

Start at: 2018-02-28 01:10:30
End at: 2018-02-28 01:11:00
Local clock offset: -0.588 ms
Remote clock offset: -5.445 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

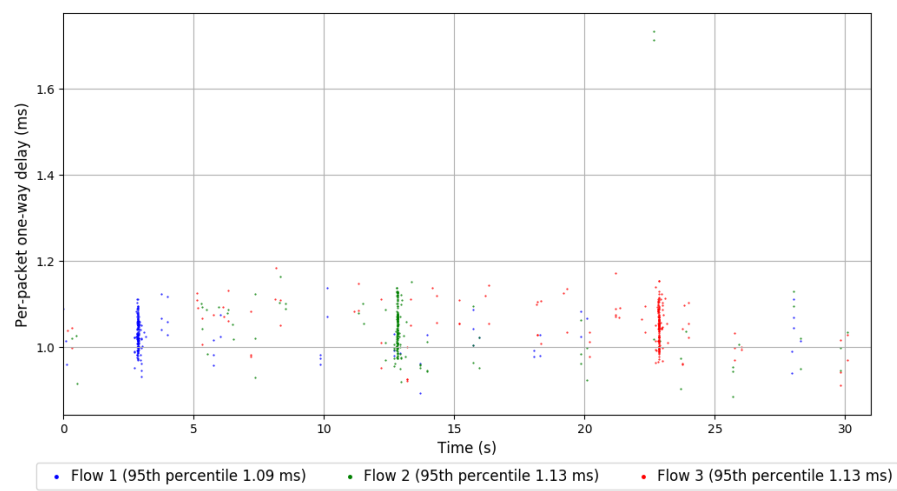
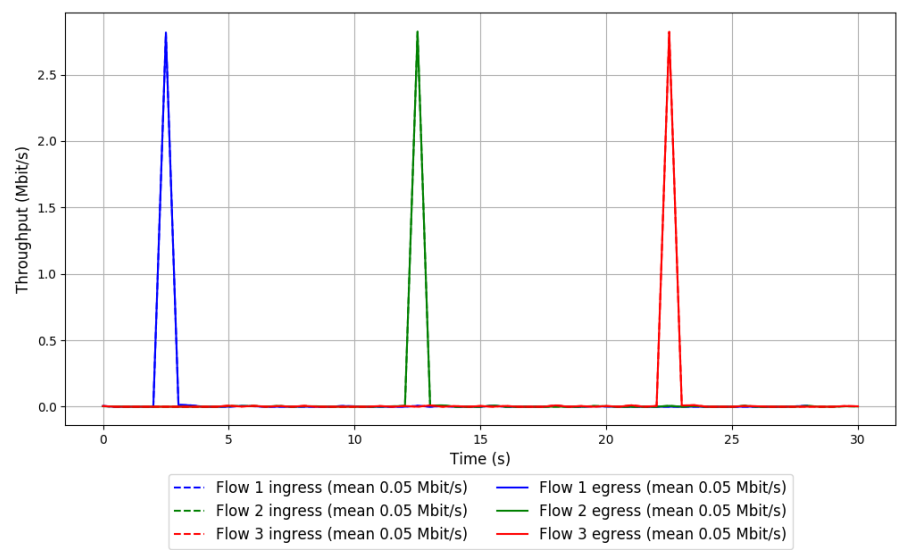


Run 4: Statistics of WebRTC media

Start at: 2018-02-28 01:39:42
End at: 2018-02-28 01:40:12
Local clock offset: -0.583 ms
Remote clock offset: -6.271 ms

```
# Below is generated by plot.py at 2018-02-28 10:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

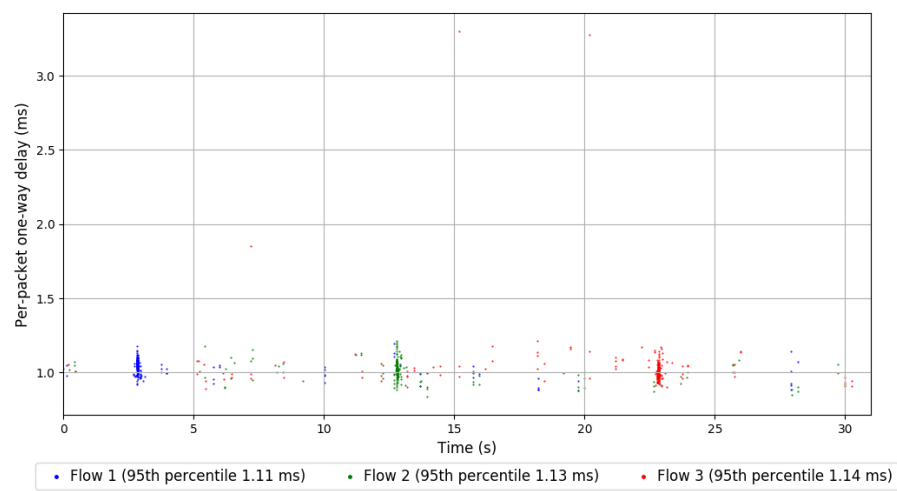
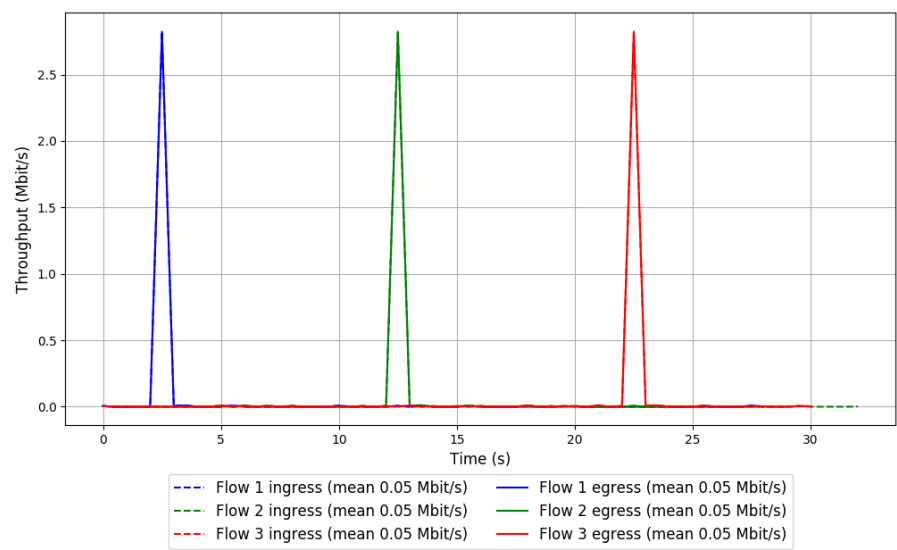


Run 5: Statistics of WebRTC media

Start at: 2018-02-28 02:08:53
End at: 2018-02-28 02:09:23
Local clock offset: 1.094 ms
Remote clock offset: -6.356 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

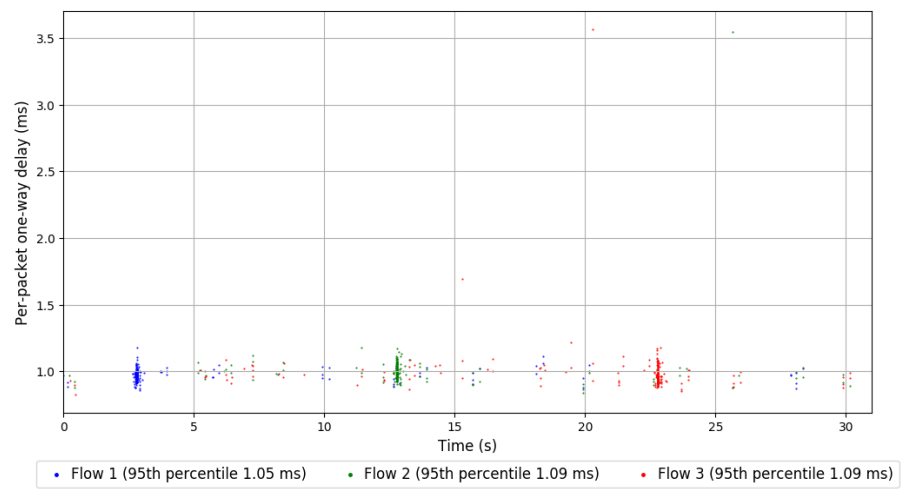
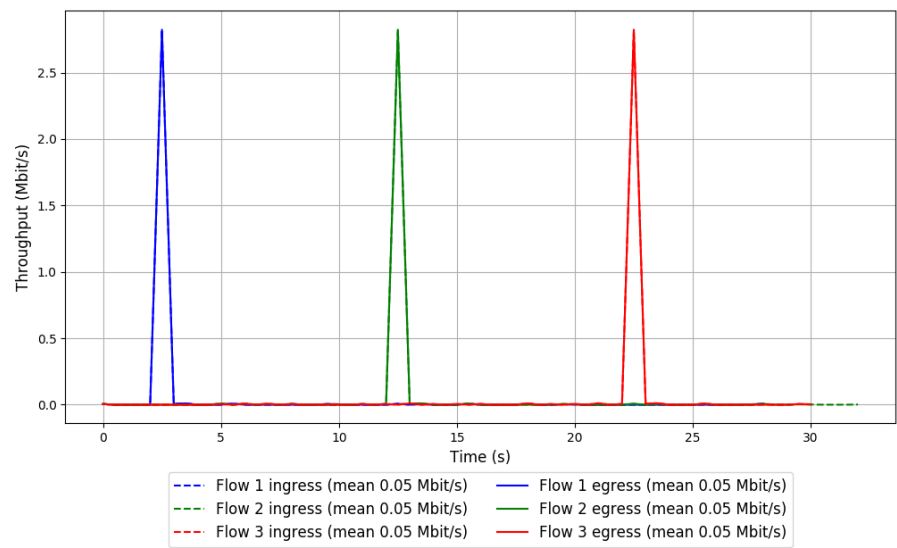


Run 6: Statistics of WebRTC media

Start at: 2018-02-28 02:38:30
End at: 2018-02-28 02:39:00
Local clock offset: -0.28 ms
Remote clock offset: -6.221 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

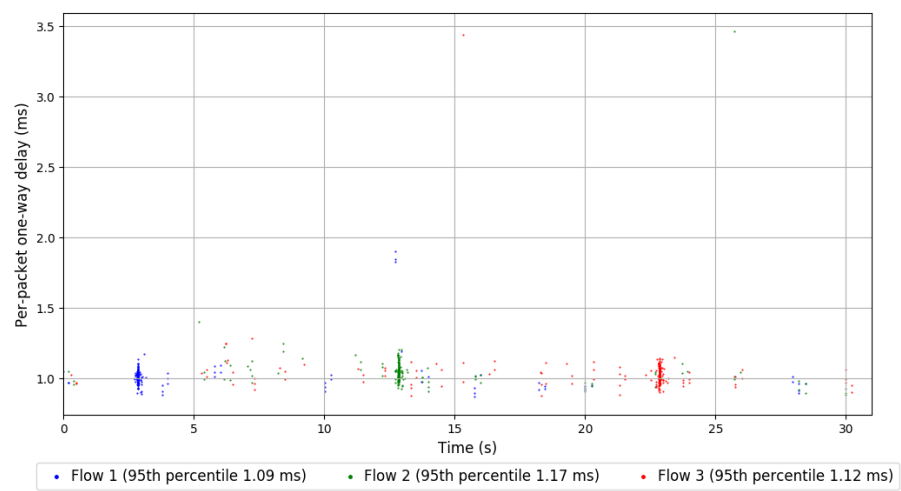
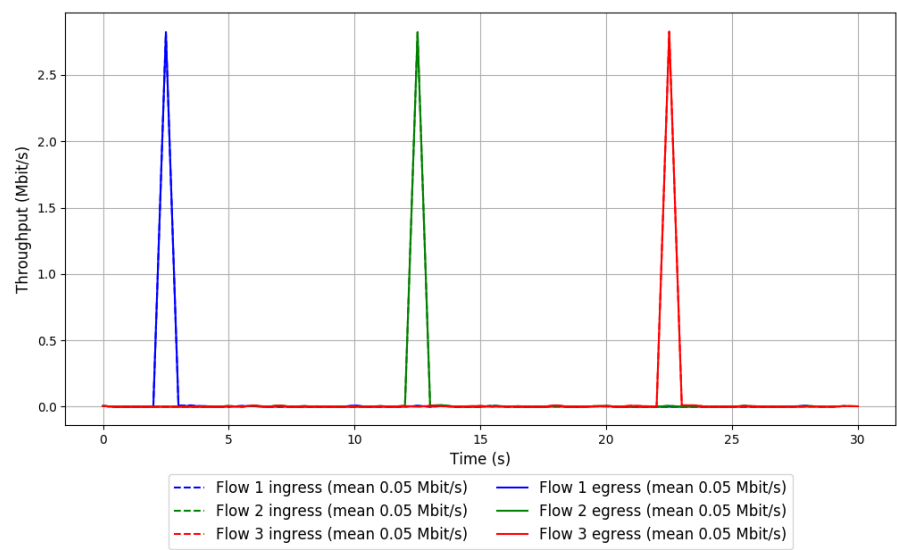


Run 7: Statistics of WebRTC media

Start at: 2018-02-28 03:07:44
End at: 2018-02-28 03:08:14
Local clock offset: -0.496 ms
Remote clock offset: -6.154 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

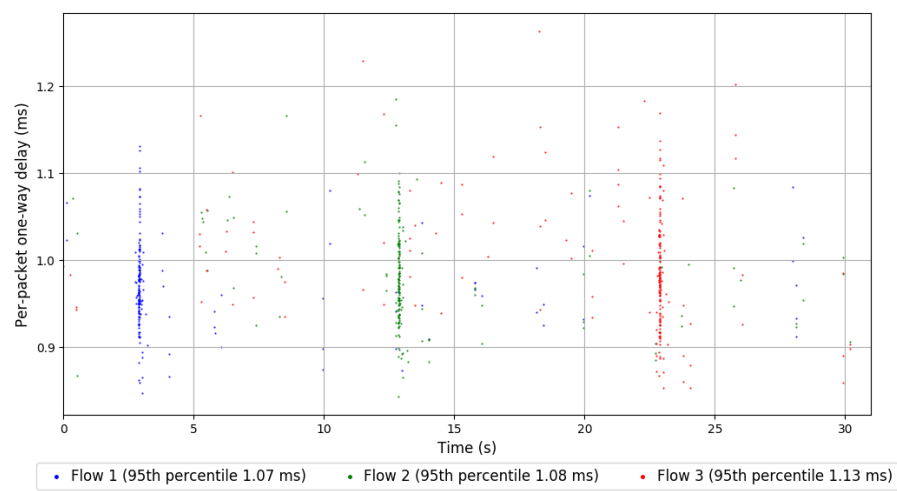
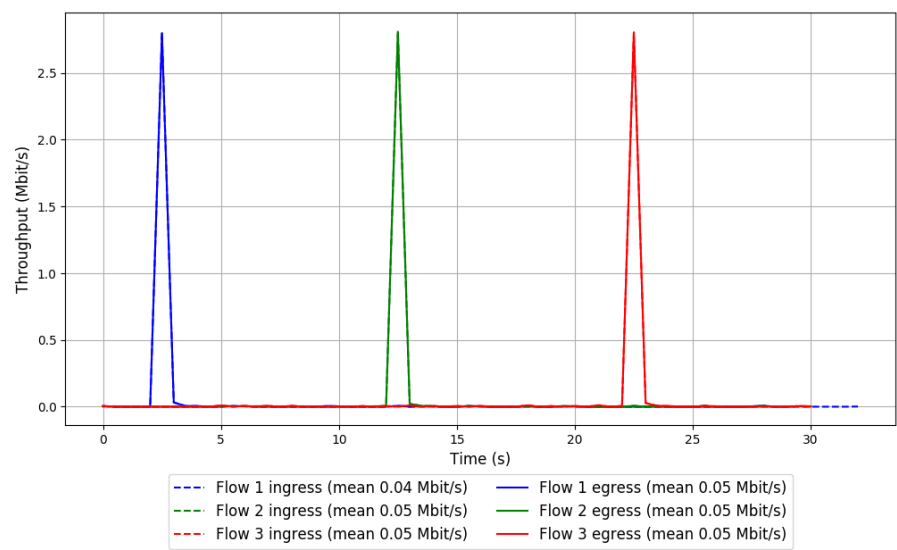


Run 8: Statistics of WebRTC media

Start at: 2018-02-28 03:36:52
End at: 2018-02-28 03:37:22
Local clock offset: -0.507 ms
Remote clock offset: -6.176 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

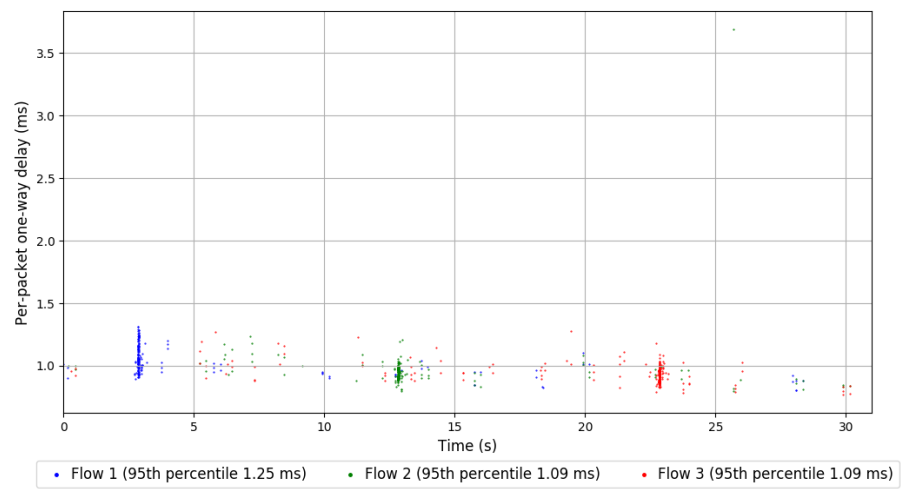
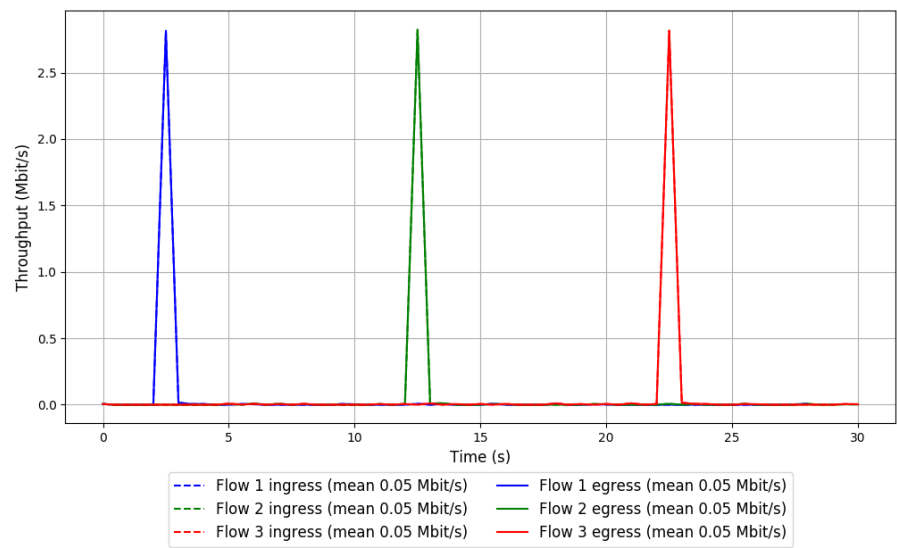


Run 9: Statistics of WebRTC media

Start at: 2018-02-28 04:06:00
End at: 2018-02-28 04:06:30
Local clock offset: -0.379 ms
Remote clock offset: -6.264 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

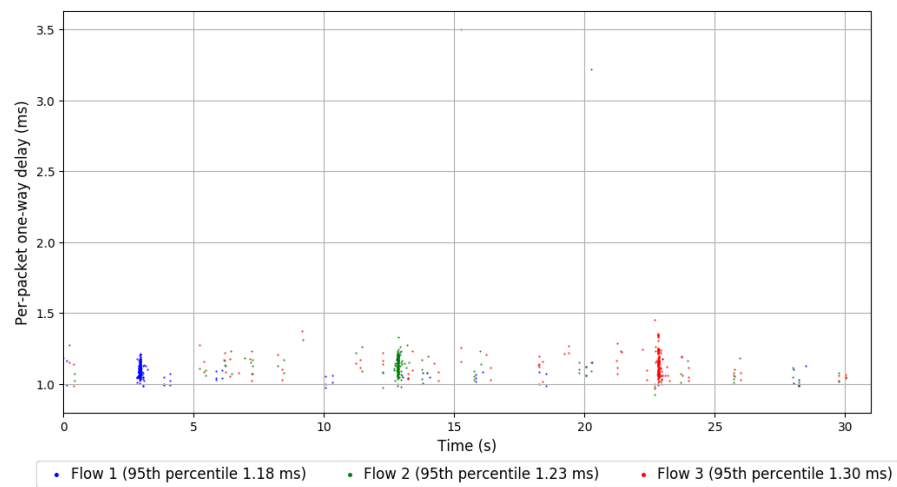
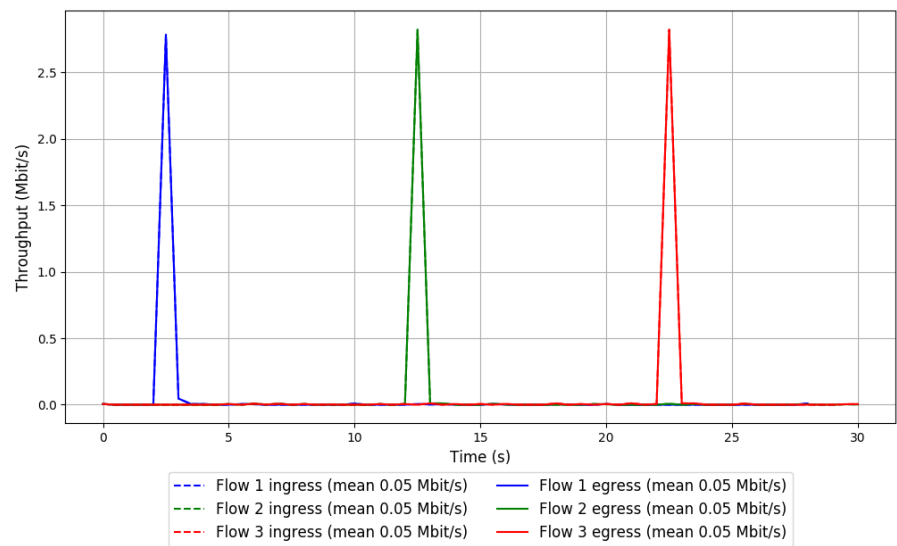


Run 10: Statistics of WebRTC media

Start at: 2018-02-28 04:35:11
End at: 2018-02-28 04:35:41
Local clock offset: 2.461 ms
Remote clock offset: -5.016 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.240 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: 1.230 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 10: Report of WebRTC media — Data Link

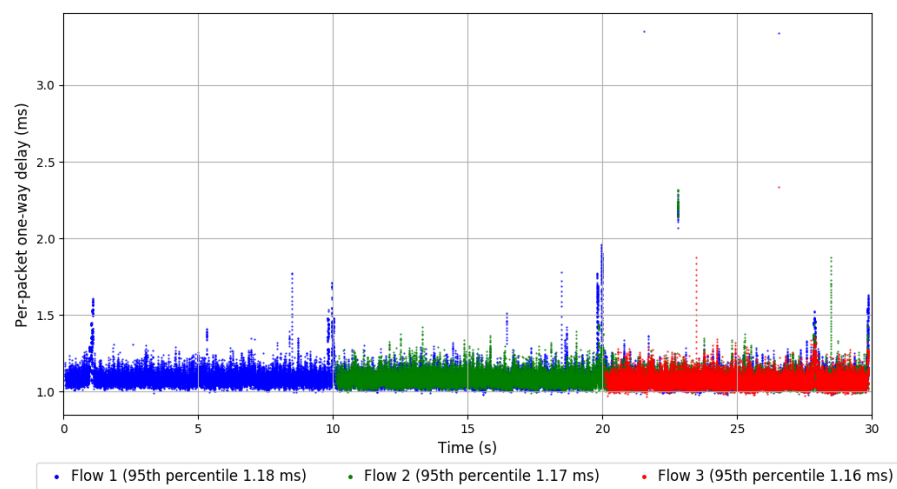
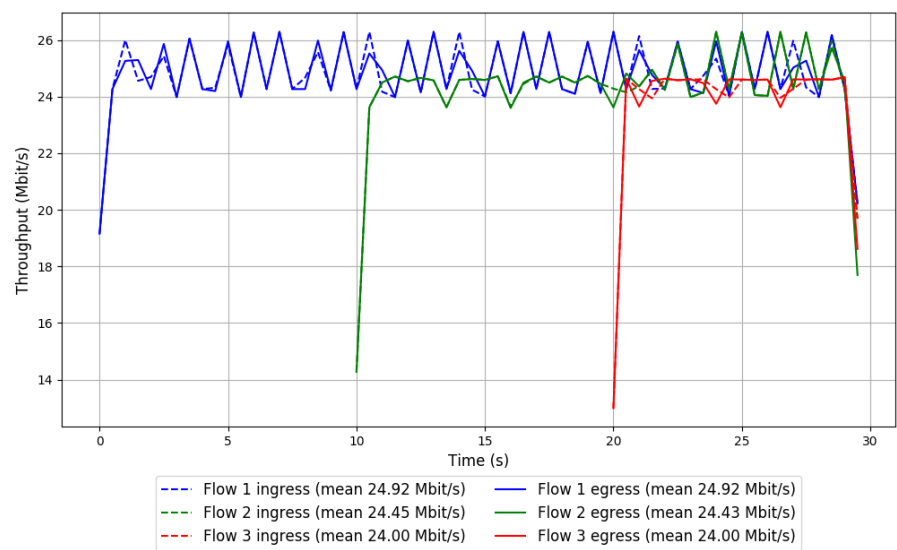


Run 1: Statistics of Sprout

Start at: 2018-02-27 23:59:29
End at: 2018-02-27 23:59:59
Local clock offset: 1.955 ms
Remote clock offset: -6.588 ms

Below is generated by plot.py at 2018-02-28 10:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.23%

Run 1: Report of Sprout — Data Link

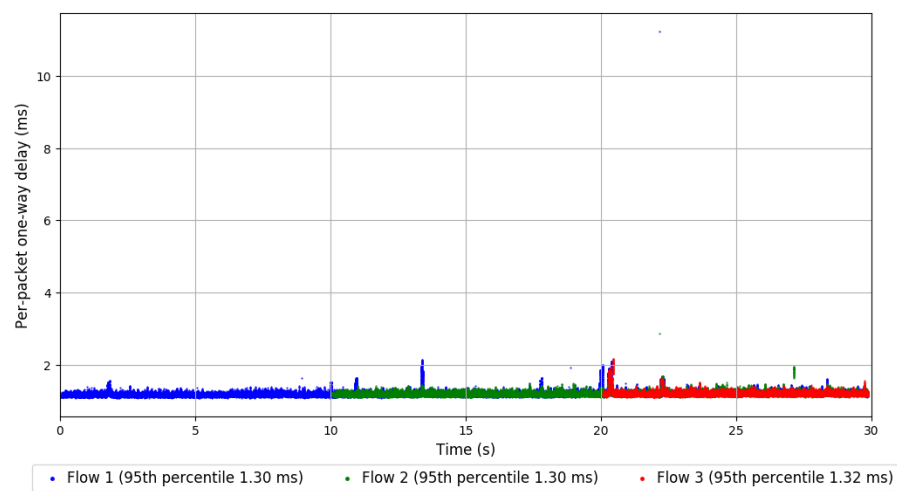
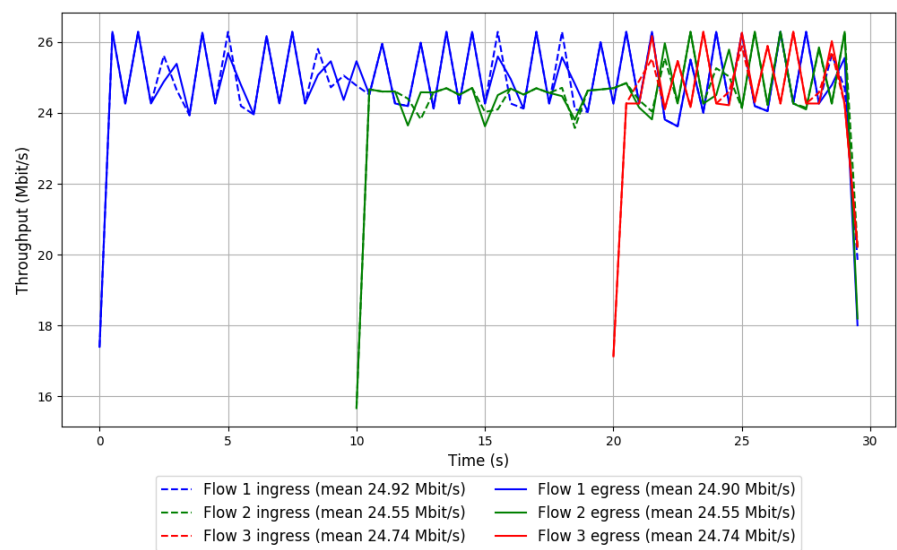


Run 2: Statistics of Sprout

Start at: 2018-02-28 00:28:37
End at: 2018-02-28 00:29:07
Local clock offset: -0.241 ms
Remote clock offset: -4.827 ms

```
# Below is generated by plot.py at 2018-02-28 10:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

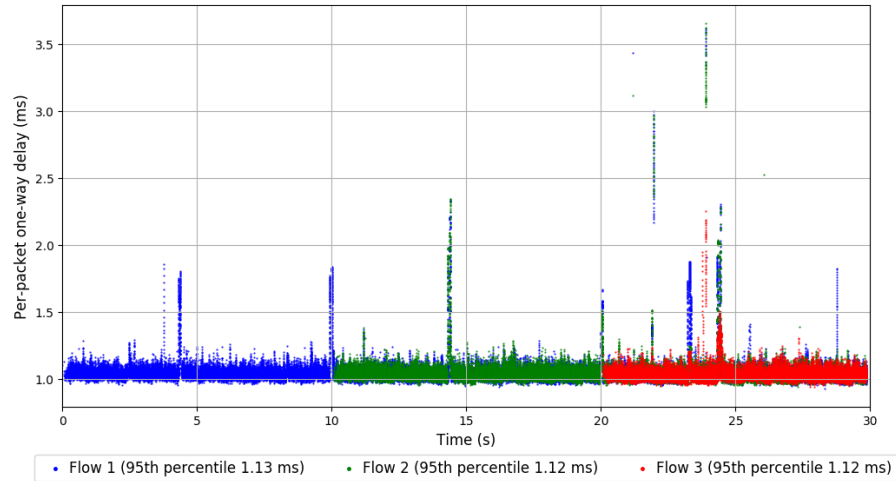
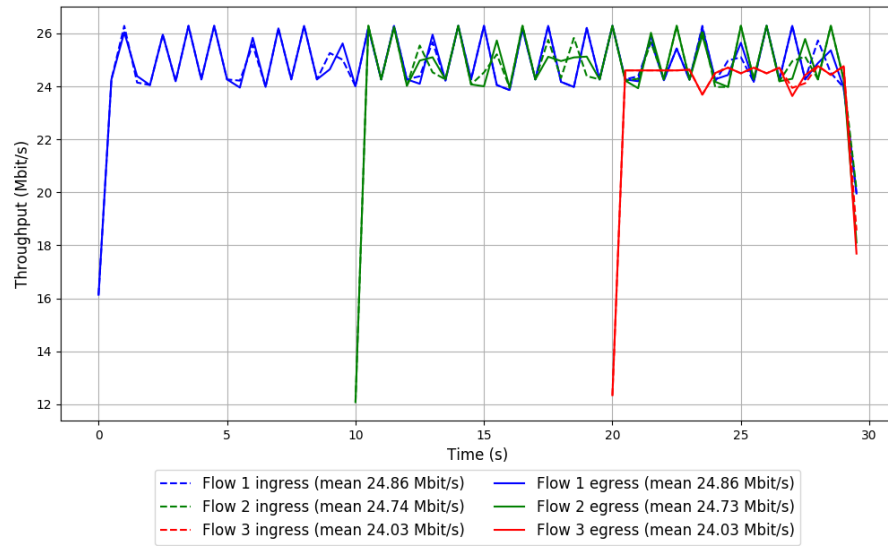


Run 3: Statistics of Sprout

Start at: 2018-02-28 00:57:34
End at: 2018-02-28 00:58:04
Local clock offset: -0.476 ms
Remote clock offset: -5.381 ms

```
# Below is generated by plot.py at 2018-02-28 10:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.19%
```

Run 3: Report of Sprout — Data Link

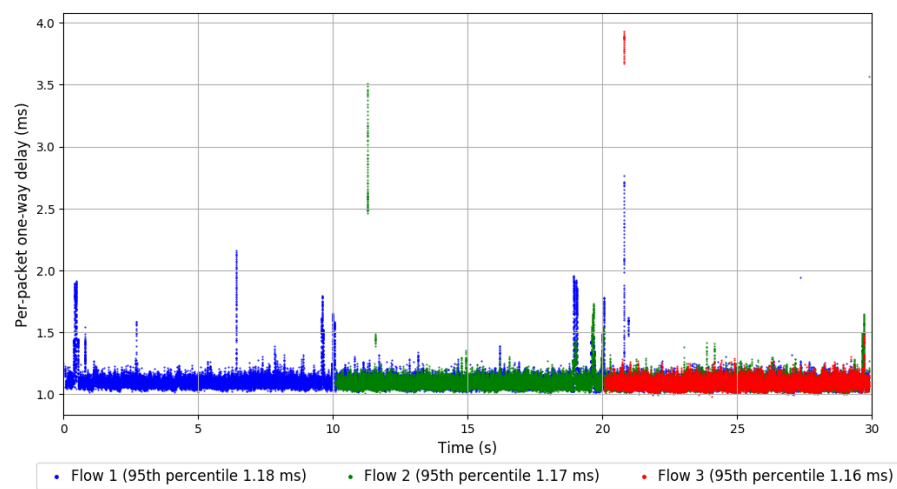
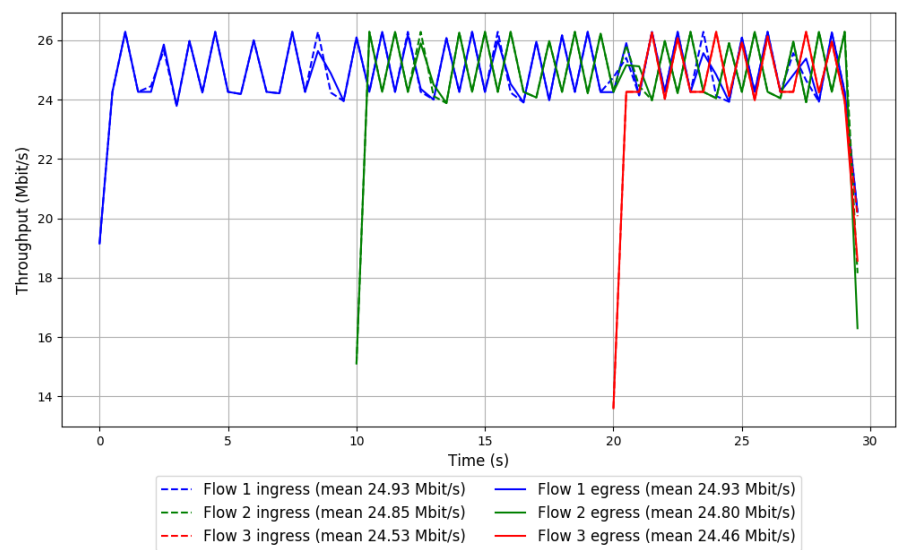


Run 4: Statistics of Sprout

Start at: 2018-02-28 01:26:38
End at: 2018-02-28 01:27:08
Local clock offset: -0.465 ms
Remote clock offset: -6.018 ms

```
# Below is generated by plot.py at 2018-02-28 10:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.31%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-28 01:55:53

End at: 2018-02-28 01:56:23

Local clock offset: 0.31 ms

Remote clock offset: -6.39 ms

Below is generated by plot.py at 2018-02-28 10:59:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.06 Mbit/s

95th percentile per-packet one-way delay: 1.700 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: 1.558 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 1.755 ms

Loss rate: 0.44%

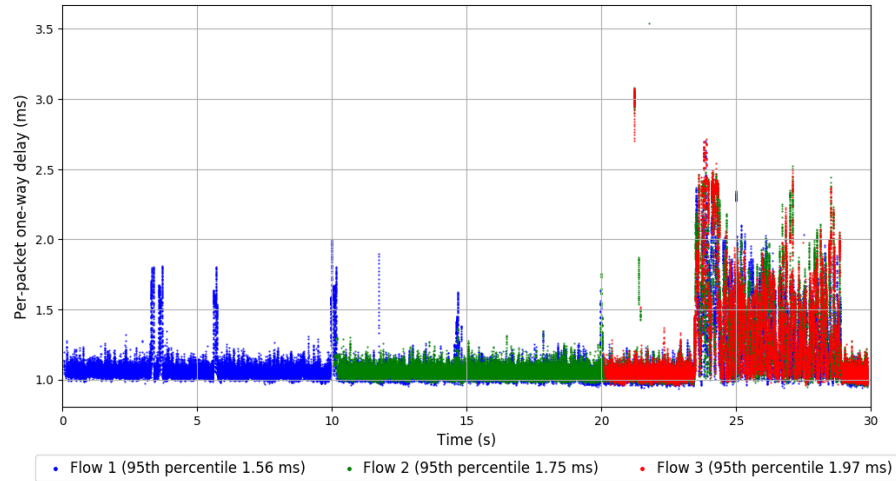
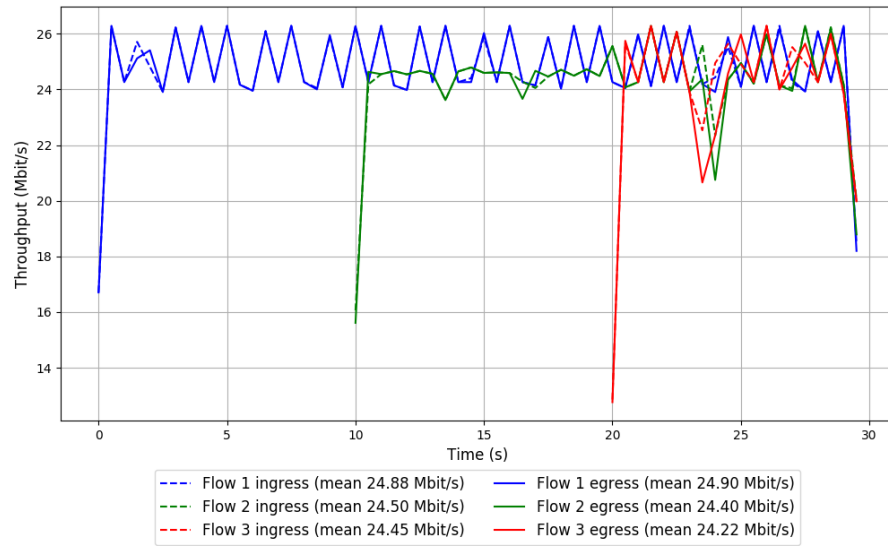
-- Flow 3:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 1.972 ms

Loss rate: 0.94%

Run 5: Report of Sprout — Data Link

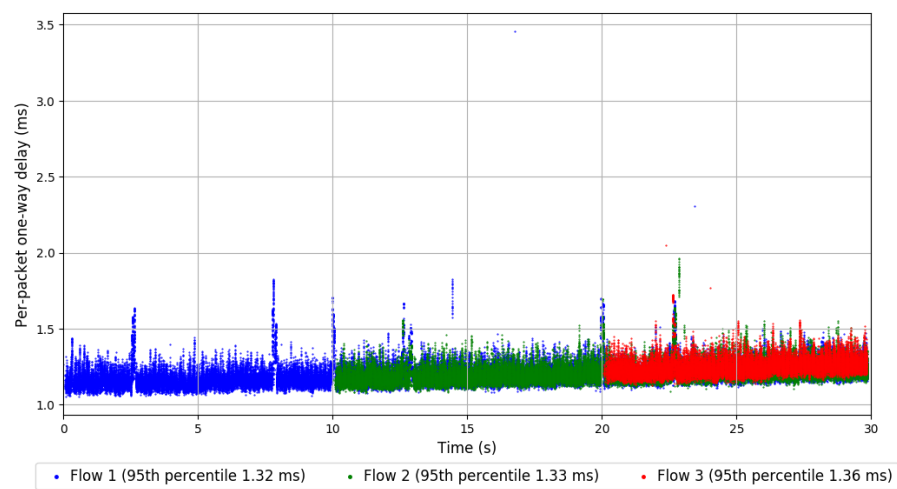
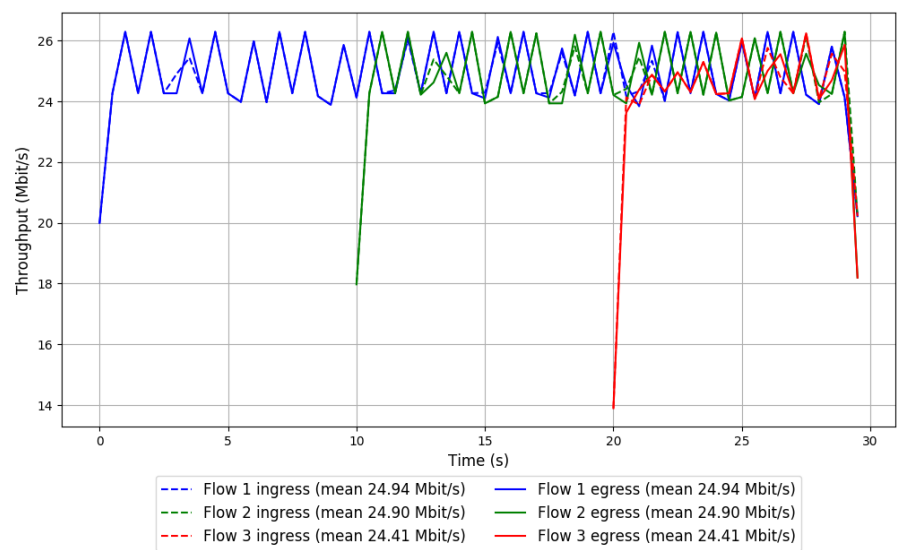


Run 6: Statistics of Sprout

Start at: 2018-02-28 02:25:14
End at: 2018-02-28 02:25:44
Local clock offset: 1.101 ms
Remote clock offset: -6.496 ms

```
# Below is generated by plot.py at 2018-02-28 10:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 1.361 ms
Loss rate: 0.42%
```

Run 6: Report of Sprout — Data Link

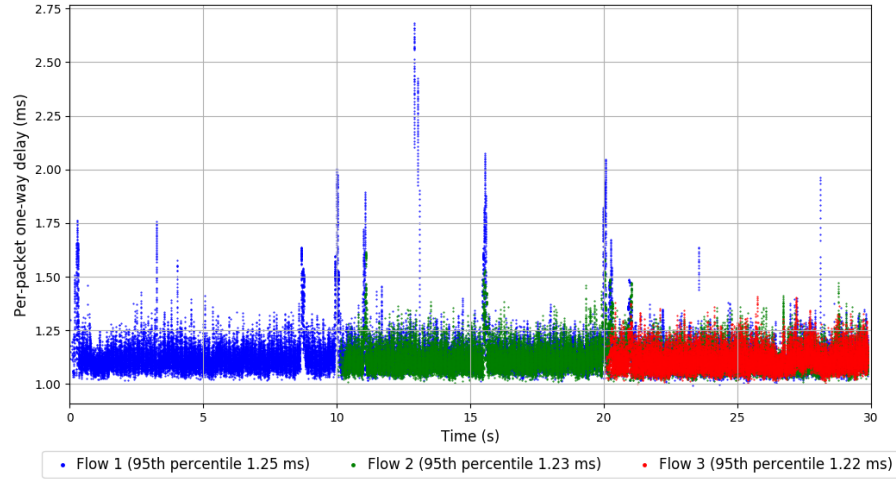
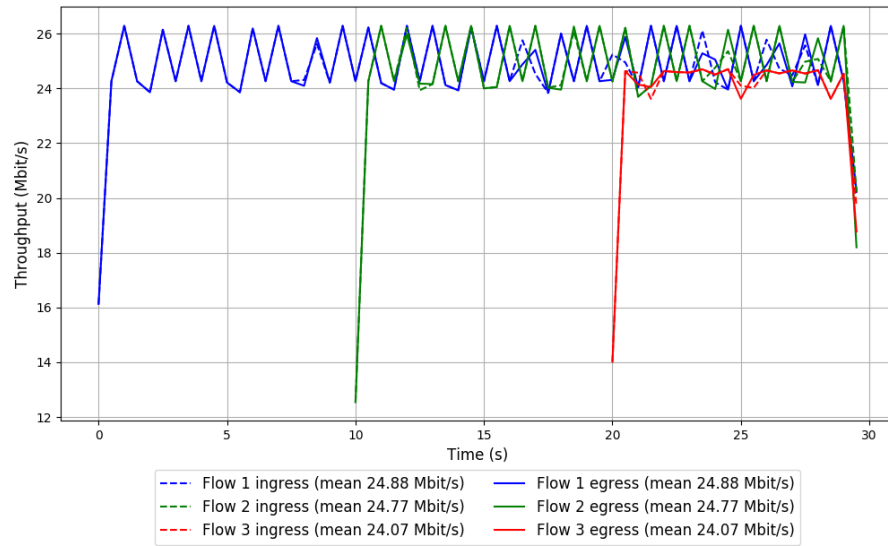


Run 7: Statistics of Sprout

Start at: 2018-02-28 02:54:36
End at: 2018-02-28 02:55:06
Local clock offset: -0.538 ms
Remote clock offset: -6.241 ms

```
# Below is generated by plot.py at 2018-02-28 10:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.19%
```

Run 7: Report of Sprout — Data Link

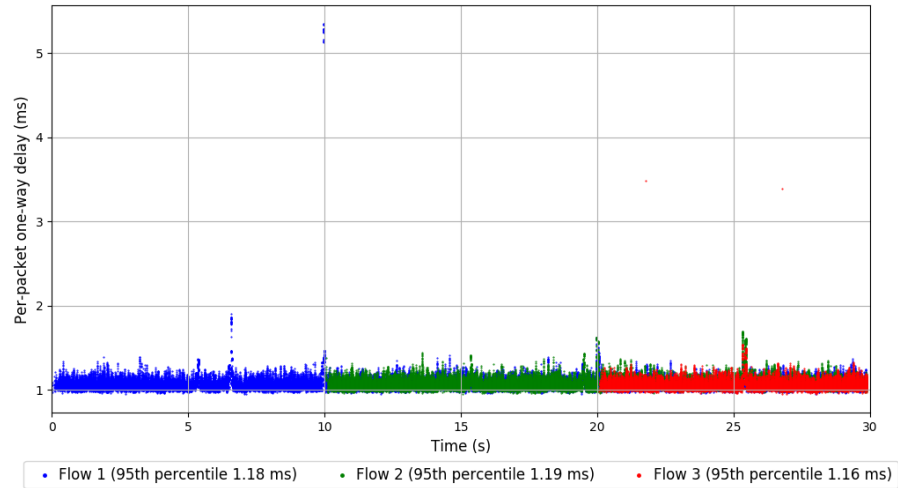
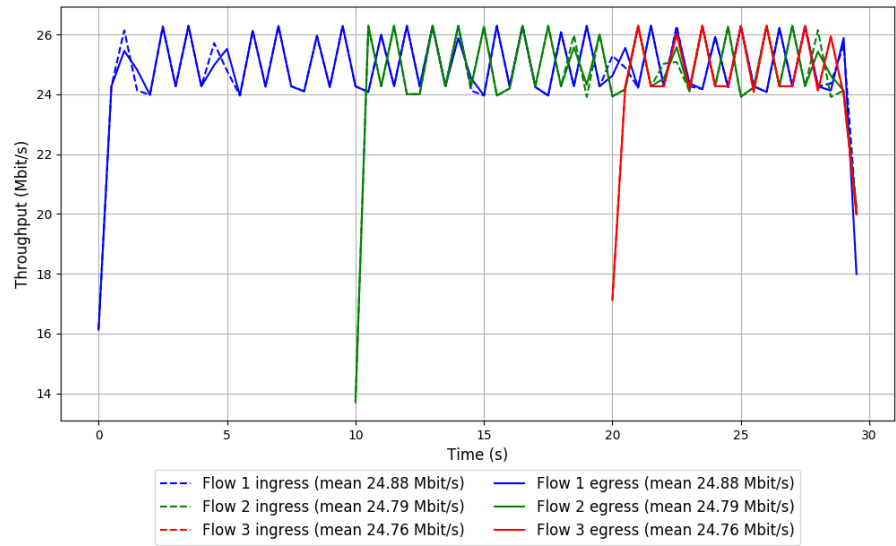


Run 8: Statistics of Sprout

Start at: 2018-02-28 03:23:50
End at: 2018-02-28 03:24:20
Local clock offset: -0.455 ms
Remote clock offset: -6.189 ms

```
# Below is generated by plot.py at 2018-02-28 10:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

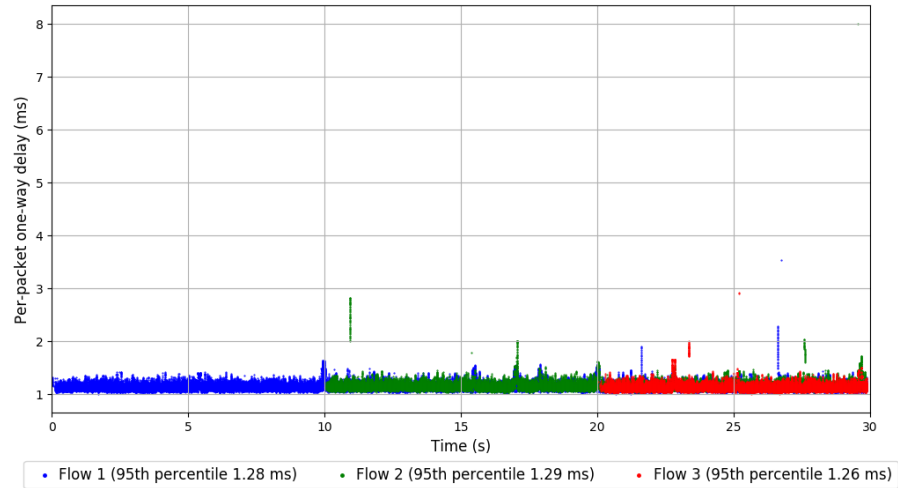
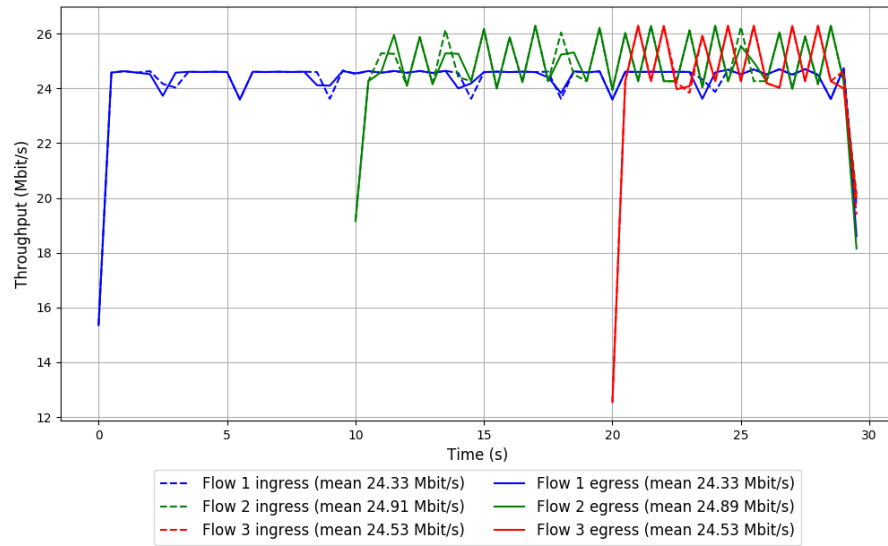


Run 9: Statistics of Sprout

Start at: 2018-02-28 03:53:10
End at: 2018-02-28 03:53:40
Local clock offset: -0.38 ms
Remote clock offset: -6.271 ms

```
# Below is generated by plot.py at 2018-02-28 10:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

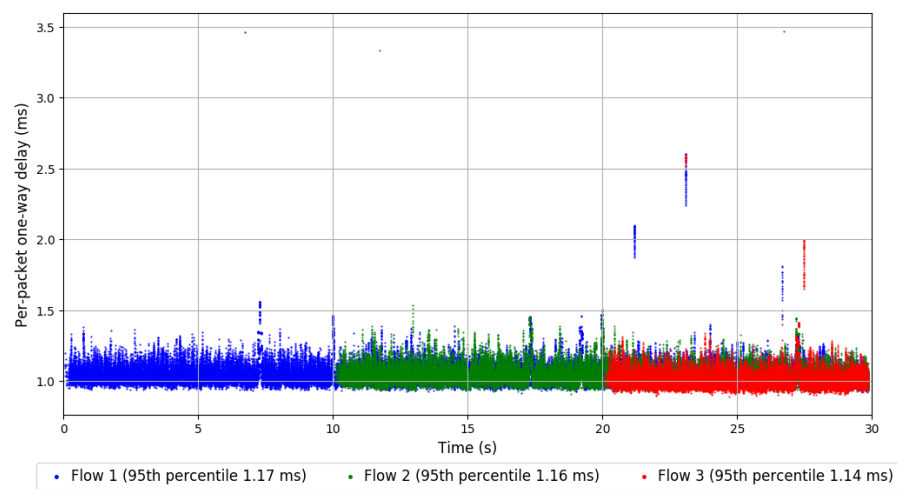
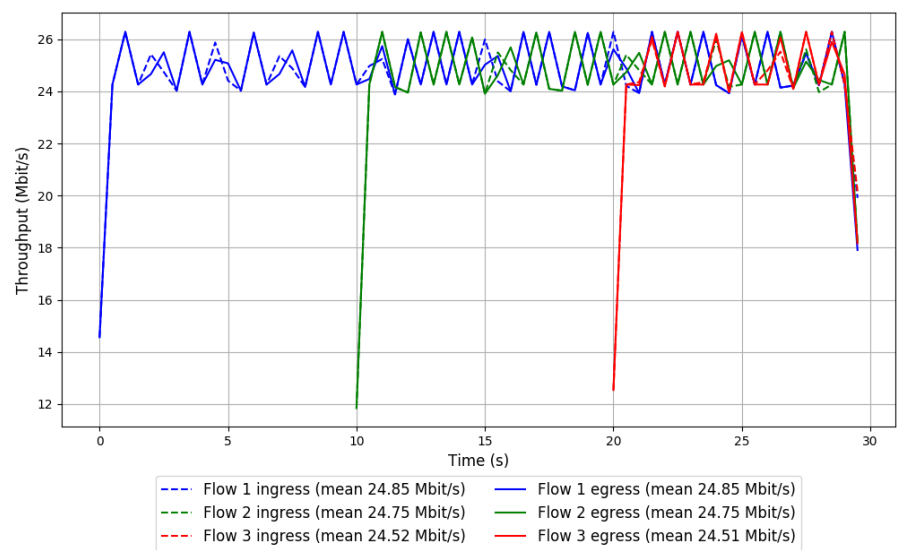


Run 10: Statistics of Sprout

Start at: 2018-02-28 04:22:08
End at: 2018-02-28 04:22:38
Local clock offset: 1.663 ms
Remote clock offset: -5.365 ms

```
# Below is generated by plot.py at 2018-02-28 10:59:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.41%
```

Run 10: Report of Sprout — Data Link

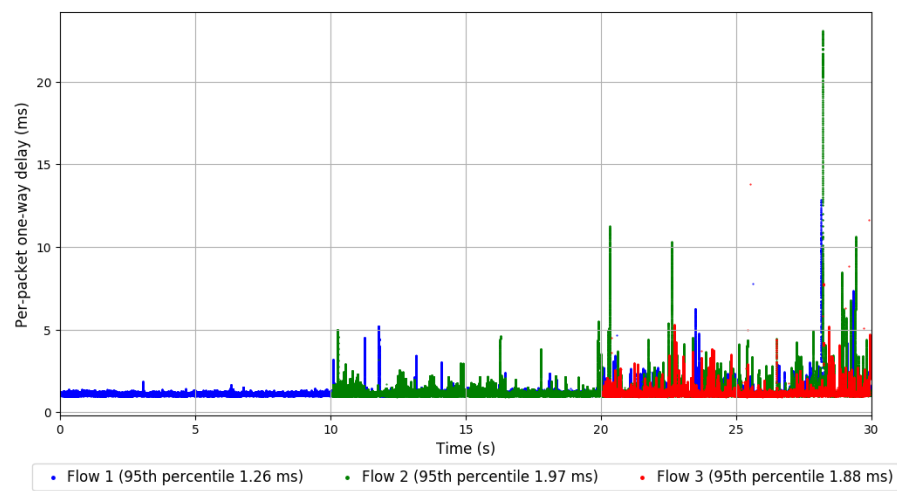
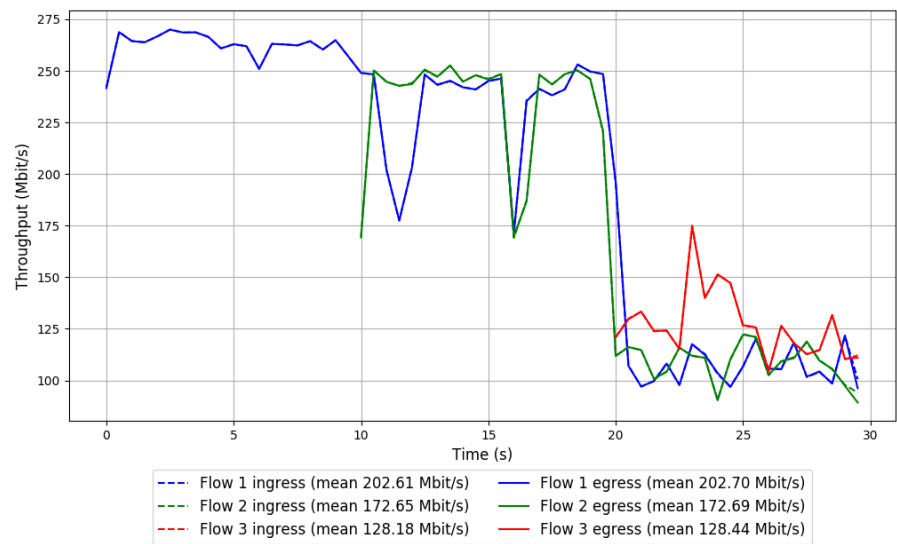


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-28 00:26:52
End at: 2018-02-28 00:27:22
Local clock offset: -0.167 ms
Remote clock offset: -4.804 ms

Below is generated by plot.py at 2018-02-28 11:06:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.01 Mbit/s
95th percentile per-packet one-way delay: 1.558 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 202.70 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 172.69 Mbit/s
95th percentile per-packet one-way delay: 1.968 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 128.44 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.05%

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

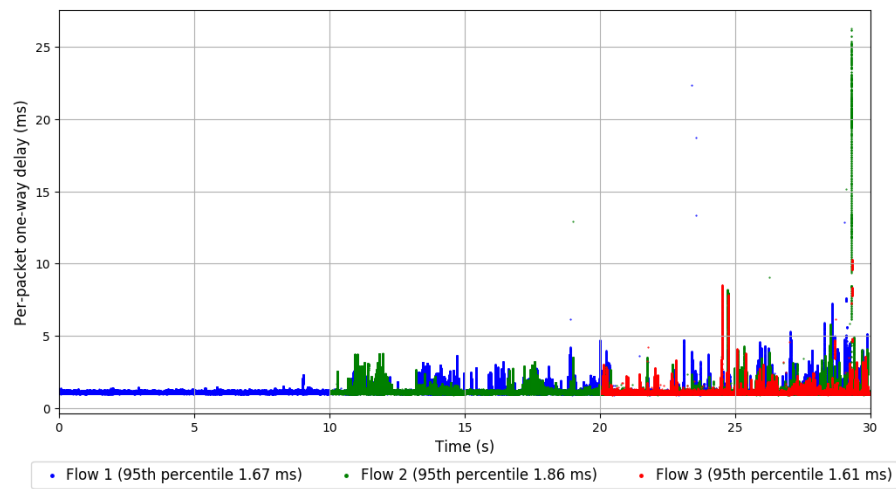
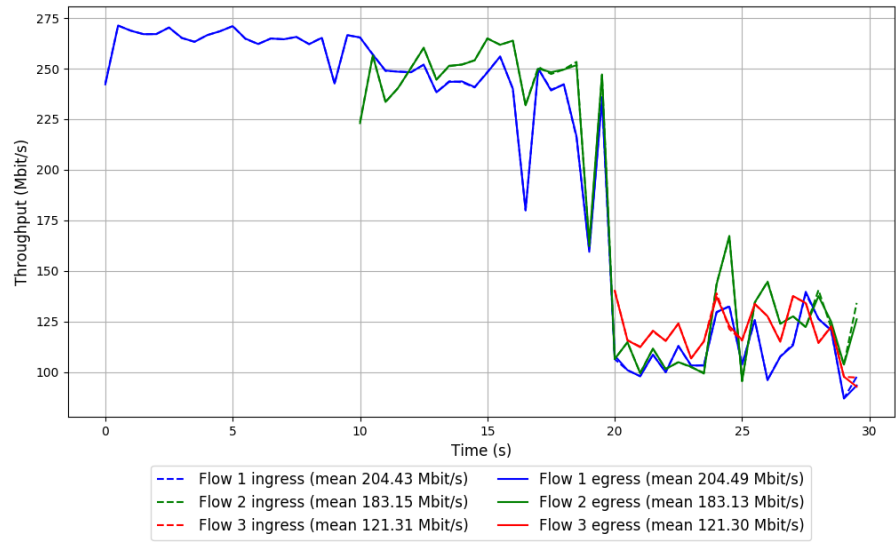


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-28 00:55:49
End at: 2018-02-28 00:56:19
Local clock offset: -0.368 ms
Remote clock offset: -5.293 ms

Below is generated by plot.py at 2018-02-28 11:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.38 Mbit/s
95th percentile per-packet one-way delay: 1.722 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 204.49 Mbit/s
95th percentile per-packet one-way delay: 1.667 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 183.13 Mbit/s
95th percentile per-packet one-way delay: 1.865 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 121.30 Mbit/s
95th percentile per-packet one-way delay: 1.606 ms
Loss rate: 0.21%

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

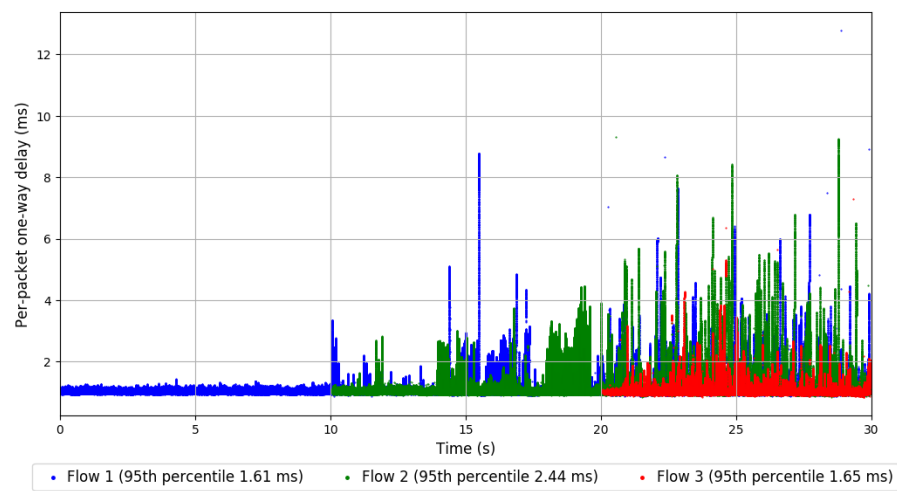
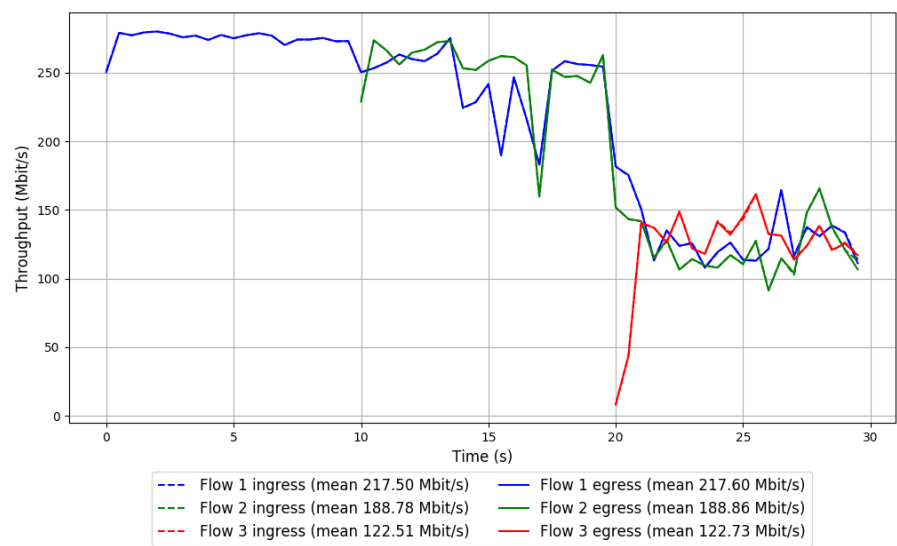


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-28 01:24:51
End at: 2018-02-28 01:25:21
Local clock offset: -0.477 ms
Remote clock offset: -5.903 ms

Below is generated by plot.py at 2018-02-28 11:06:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.75 Mbit/s
95th percentile per-packet one-way delay: 1.913 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 217.60 Mbit/s
95th percentile per-packet one-way delay: 1.611 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 188.86 Mbit/s
95th percentile per-packet one-way delay: 2.440 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 122.73 Mbit/s
95th percentile per-packet one-way delay: 1.652 ms
Loss rate: 0.04%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-28 01:54:08

End at: 2018-02-28 01:54:38

Local clock offset: 0.116 ms

Remote clock offset: -6.39 ms

Below is generated by plot.py at 2018-02-28 11:06:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.74 Mbit/s

95th percentile per-packet one-way delay: 1.740 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 214.00 Mbit/s

95th percentile per-packet one-way delay: 1.310 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 180.76 Mbit/s

95th percentile per-packet one-way delay: 2.287 ms

Loss rate: 0.10%

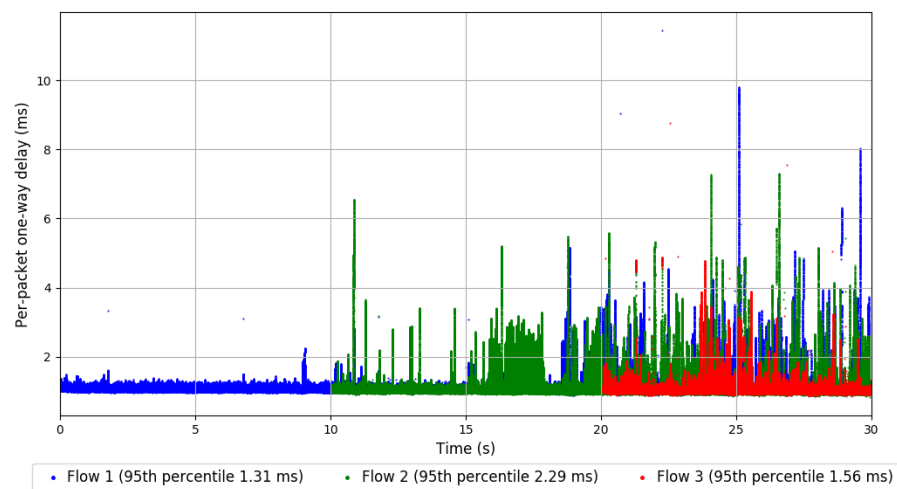
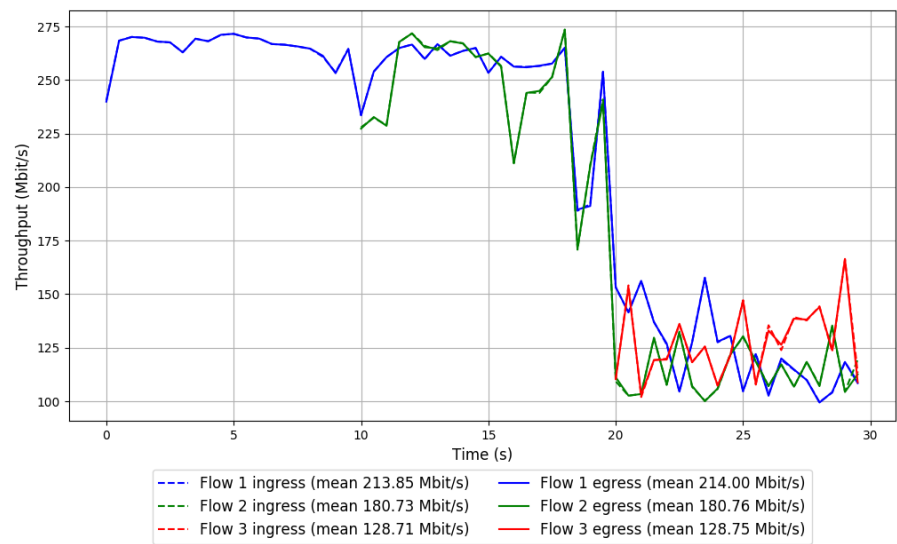
-- Flow 3:

Average throughput: 128.75 Mbit/s

95th percentile per-packet one-way delay: 1.563 ms

Loss rate: 0.17%

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

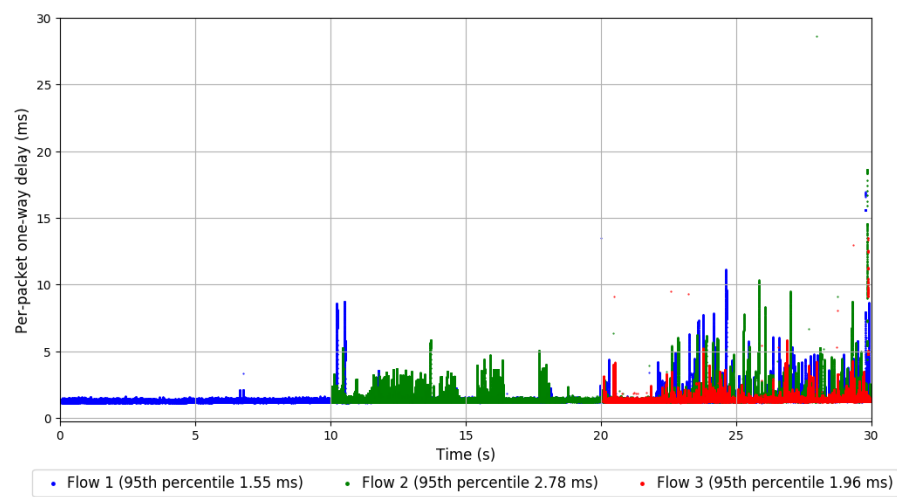
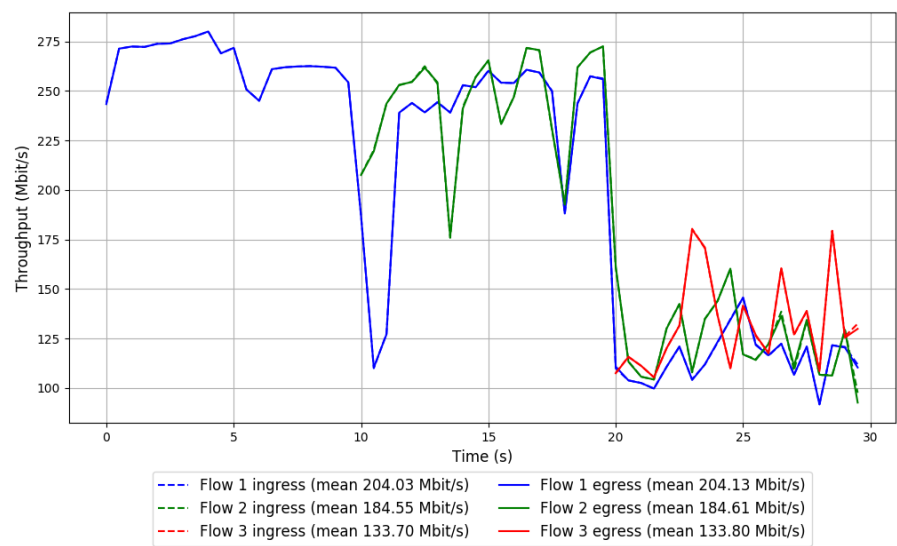


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-28 02:23:29
End at: 2018-02-28 02:23:59
Local clock offset: 1.542 ms
Remote clock offset: -6.521 ms

Below is generated by plot.py at 2018-02-28 11:07:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.18 Mbit/s
95th percentile per-packet one-way delay: 2.125 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 204.13 Mbit/s
95th percentile per-packet one-way delay: 1.552 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 184.61 Mbit/s
95th percentile per-packet one-way delay: 2.783 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 133.80 Mbit/s
95th percentile per-packet one-way delay: 1.961 ms
Loss rate: 0.13%

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

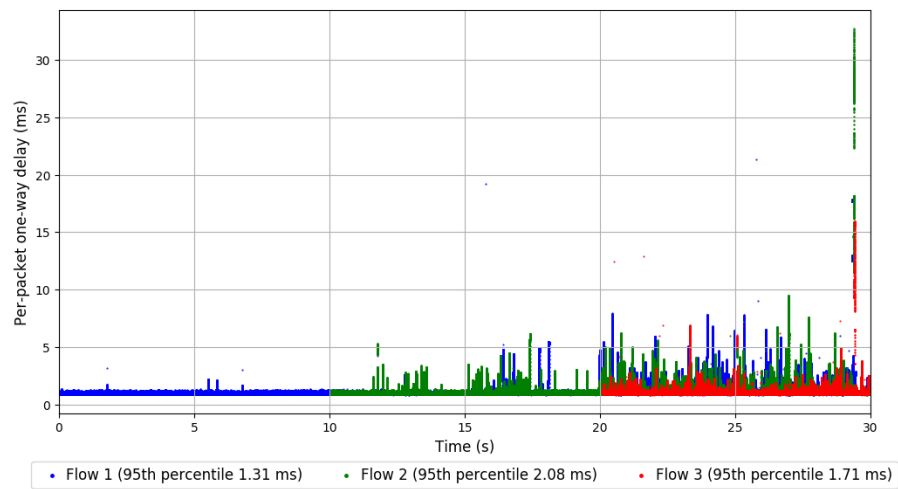
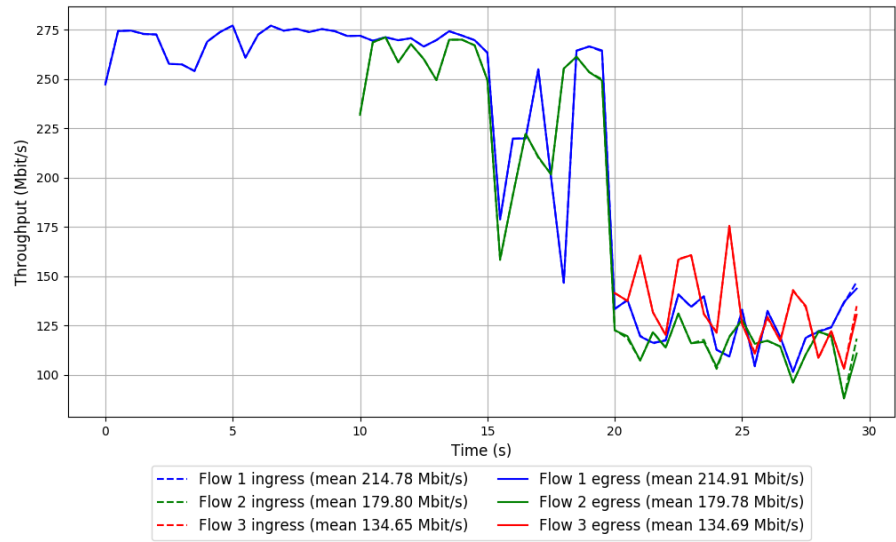


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-28 02:52:51
End at: 2018-02-28 02:53:21
Local clock offset: -0.606 ms
Remote clock offset: -6.205 ms

Below is generated by plot.py at 2018-02-28 11:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.87 Mbit/s
95th percentile per-packet one-way delay: 1.667 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 214.91 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 179.78 Mbit/s
95th percentile per-packet one-way delay: 2.085 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 134.69 Mbit/s
95th percentile per-packet one-way delay: 1.706 ms
Loss rate: 0.17%

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

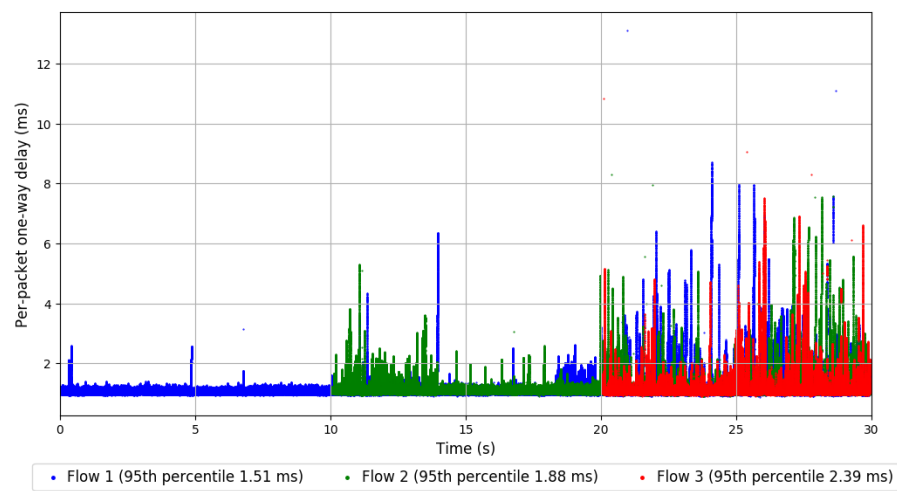
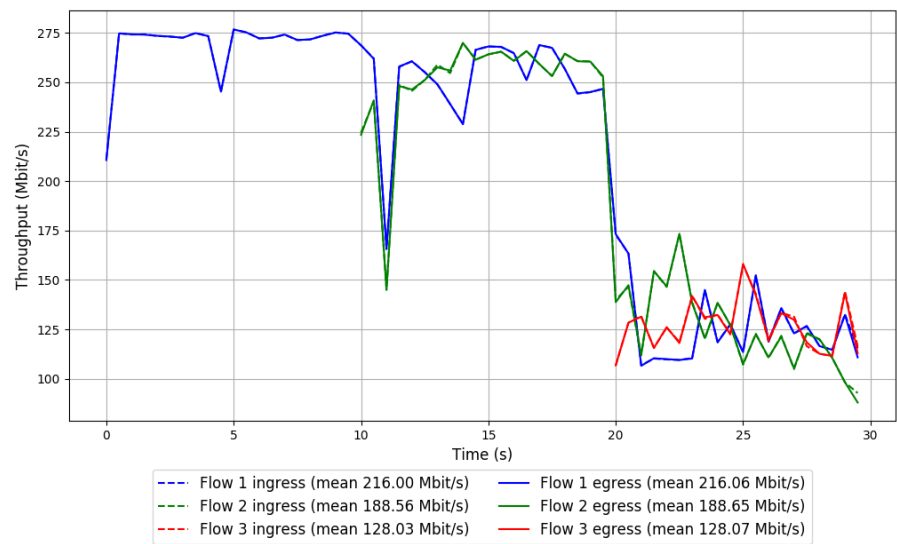


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-28 03:22:05
End at: 2018-02-28 03:22:35
Local clock offset: -0.427 ms
Remote clock offset: -6.162 ms

Below is generated by plot.py at 2018-02-28 11:08:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.85 Mbit/s
95th percentile per-packet one-way delay: 1.760 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 216.06 Mbit/s
95th percentile per-packet one-way delay: 1.513 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 188.65 Mbit/s
95th percentile per-packet one-way delay: 1.878 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 128.07 Mbit/s
95th percentile per-packet one-way delay: 2.394 ms
Loss rate: 0.17%

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

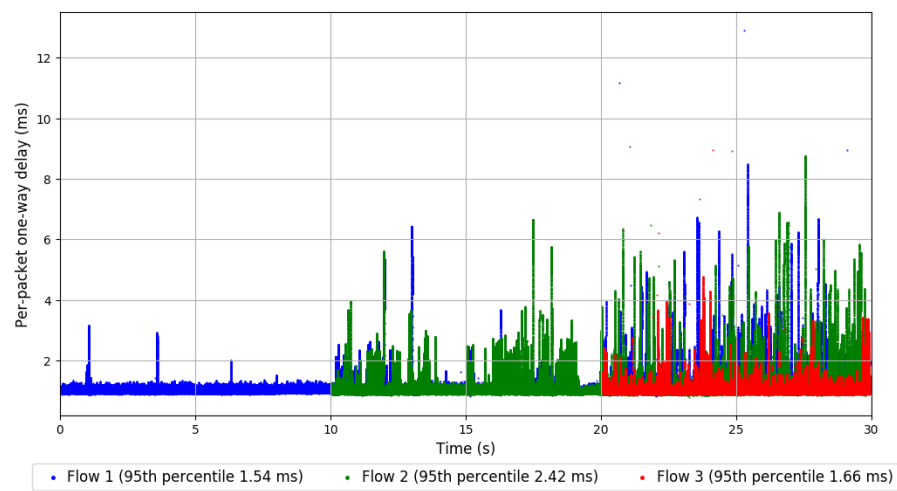
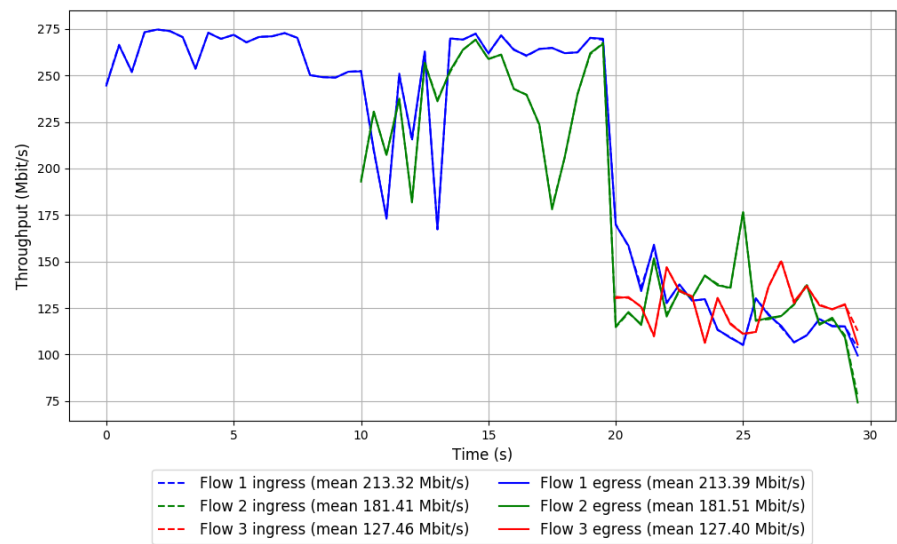


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-28 03:51:24
End at: 2018-02-28 03:51:54
Local clock offset: -0.452 ms
Remote clock offset: -6.216 ms

Below is generated by plot.py at 2018-02-28 11:09:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.32 Mbit/s
95th percentile per-packet one-way delay: 1.944 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 213.39 Mbit/s
95th percentile per-packet one-way delay: 1.545 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 181.51 Mbit/s
95th percentile per-packet one-way delay: 2.416 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 127.40 Mbit/s
95th percentile per-packet one-way delay: 1.657 ms
Loss rate: 0.29%

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

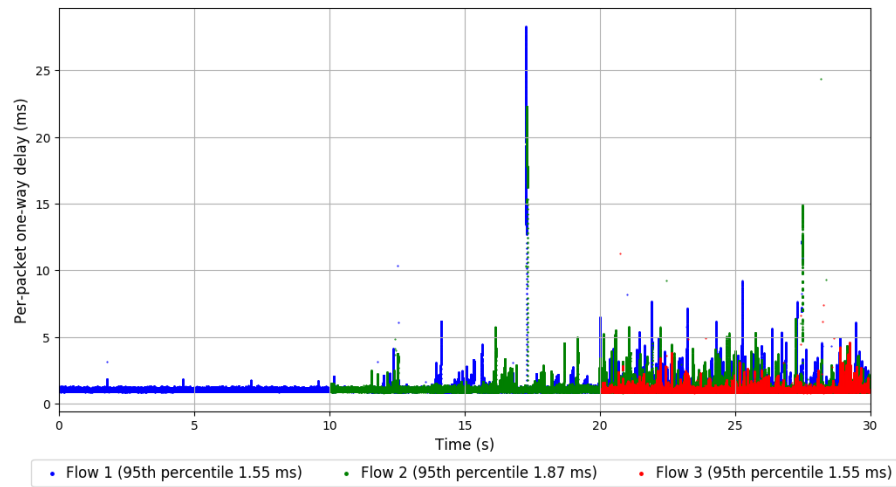
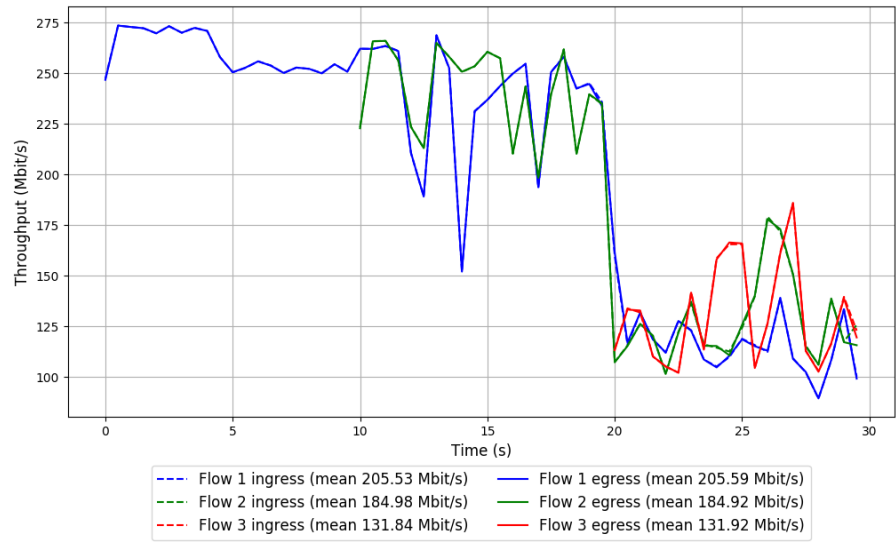


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-28 04:20:23
End at: 2018-02-28 04:20:53
Local clock offset: 1.537 ms
Remote clock offset: -5.382 ms

Below is generated by plot.py at 2018-02-28 11:16:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.23 Mbit/s
95th percentile per-packet one-way delay: 1.652 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 205.59 Mbit/s
95th percentile per-packet one-way delay: 1.555 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 184.92 Mbit/s
95th percentile per-packet one-way delay: 1.870 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 131.92 Mbit/s
95th percentile per-packet one-way delay: 1.553 ms
Loss rate: 0.16%

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

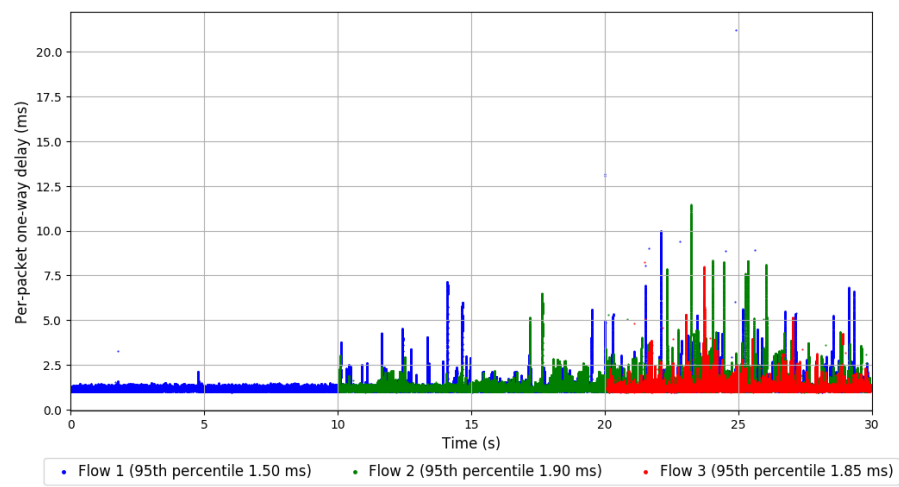
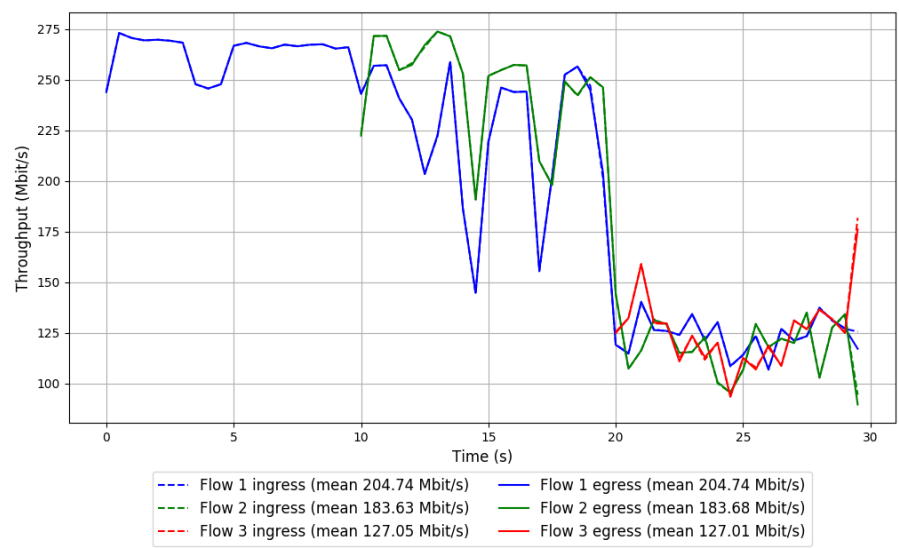


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-28 04:49:40
End at: 2018-02-28 04:50:10
Local clock offset: 1.729 ms
Remote clock offset: -4.734 ms

Below is generated by plot.py at 2018-02-28 11:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.82 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 204.74 Mbit/s
95th percentile per-packet one-way delay: 1.505 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 183.68 Mbit/s
95th percentile per-packet one-way delay: 1.902 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 127.01 Mbit/s
95th percentile per-packet one-way delay: 1.855 ms
Loss rate: 0.24%

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

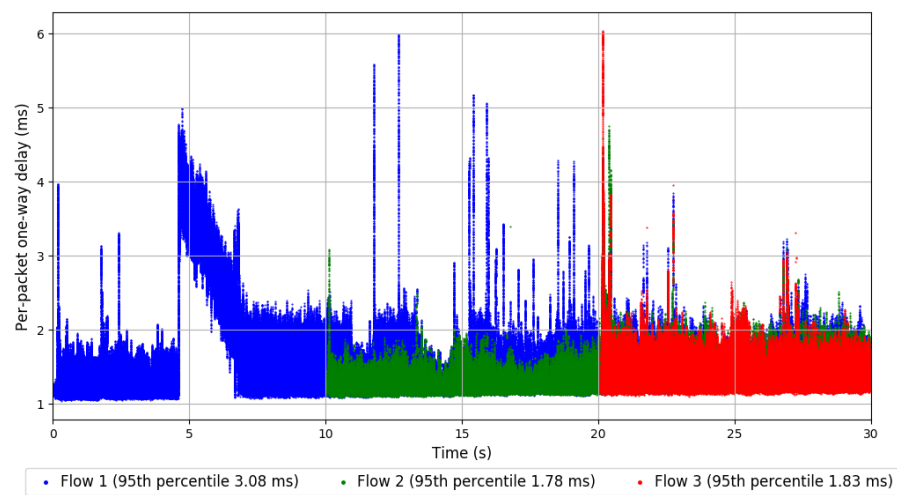
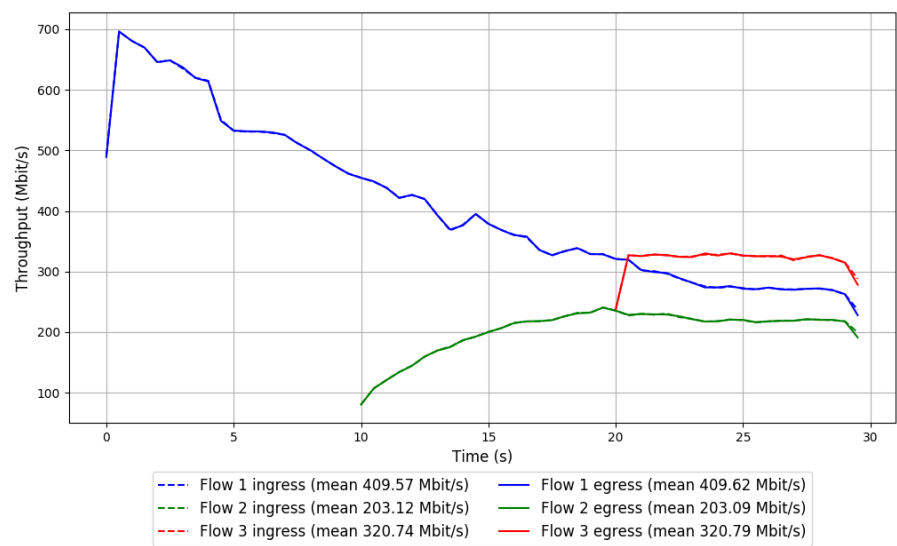


Run 1: Statistics of TCP Vegas

Start at: 2018-02-28 00:13:45
End at: 2018-02-28 00:14:15
Local clock offset: 0.738 ms
Remote clock offset: -5.822 ms

Below is generated by plot.py at 2018-02-28 11:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 651.15 Mbit/s
95th percentile per-packet one-way delay: 2.582 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 409.62 Mbit/s
95th percentile per-packet one-way delay: 3.081 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 203.09 Mbit/s
95th percentile per-packet one-way delay: 1.784 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 320.79 Mbit/s
95th percentile per-packet one-way delay: 1.833 ms
Loss rate: 0.17%

Run 1: Report of TCP Vegas — Data Link

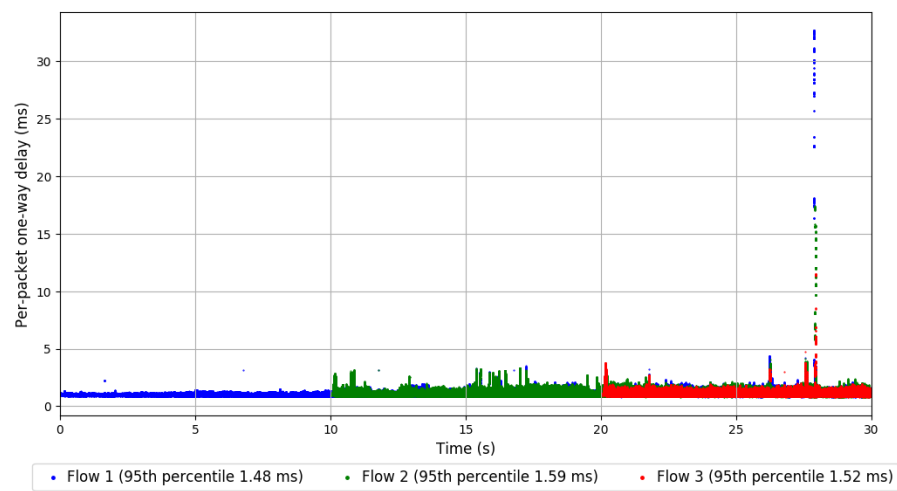
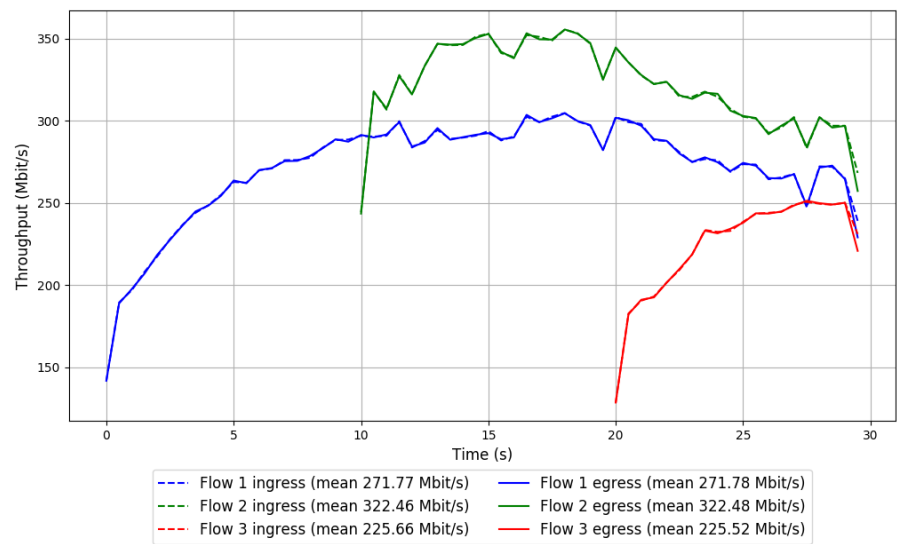


Run 2: Statistics of TCP Vegas

Start at: 2018-02-28 00:42:52
End at: 2018-02-28 00:43:22
Local clock offset: -0.512 ms
Remote clock offset: -4.339 ms

Below is generated by plot.py at 2018-02-28 11:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 561.01 Mbit/s
95th percentile per-packet one-way delay: 1.528 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 271.78 Mbit/s
95th percentile per-packet one-way delay: 1.478 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 322.48 Mbit/s
95th percentile per-packet one-way delay: 1.588 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 225.52 Mbit/s
95th percentile per-packet one-way delay: 1.517 ms
Loss rate: 0.23%

Run 2: Report of TCP Vegas — Data Link

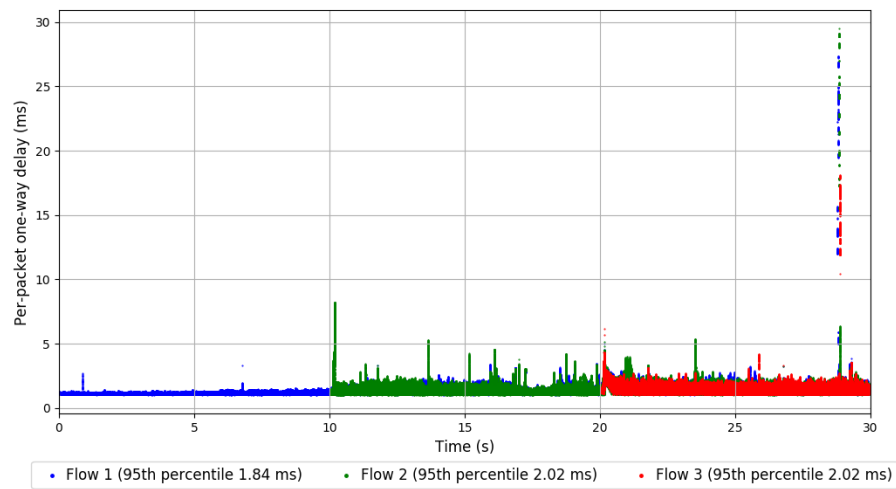
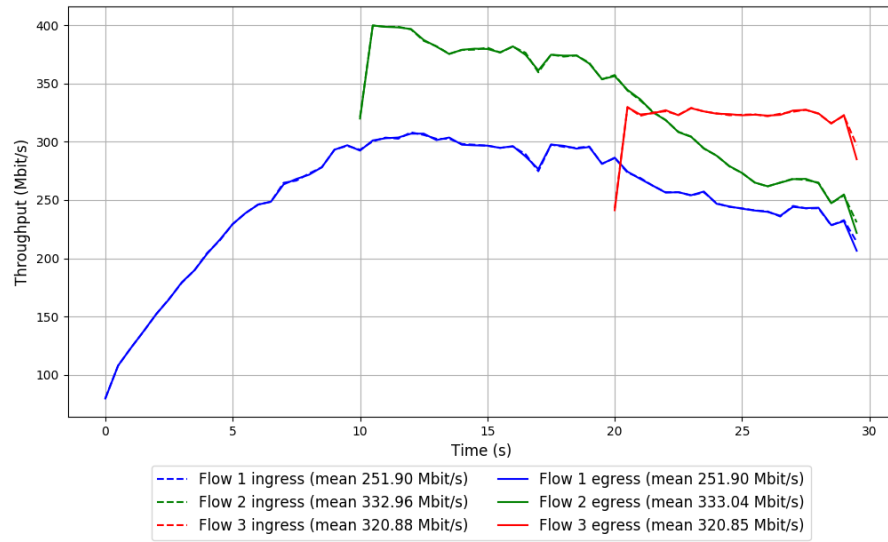


Run 3: Statistics of TCP Vegas

Start at: 2018-02-28 01:11:49
End at: 2018-02-28 01:12:19
Local clock offset: -0.523 ms
Remote clock offset: -5.458 ms

Below is generated by plot.py at 2018-02-28 11:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 579.90 Mbit/s
95th percentile per-packet one-way delay: 1.949 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 251.90 Mbit/s
95th percentile per-packet one-way delay: 1.840 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 333.04 Mbit/s
95th percentile per-packet one-way delay: 2.020 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 320.85 Mbit/s
95th percentile per-packet one-way delay: 2.015 ms
Loss rate: 0.19%

Run 3: Report of TCP Vegas — Data Link

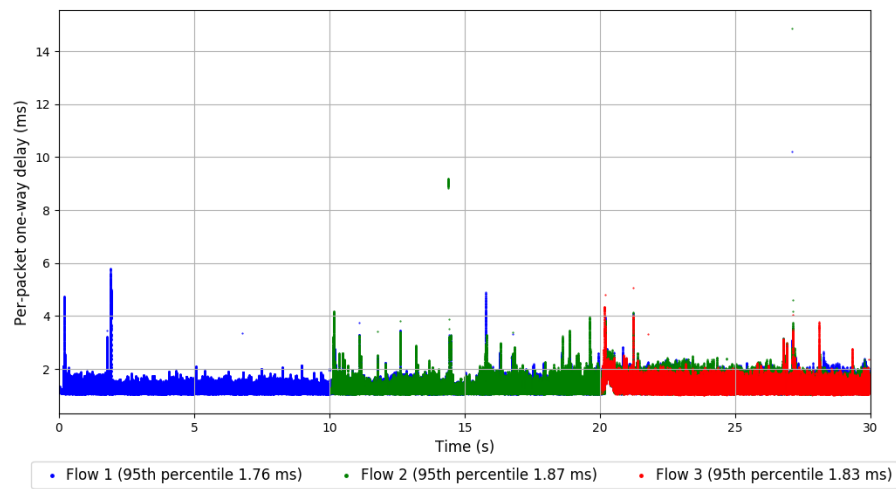
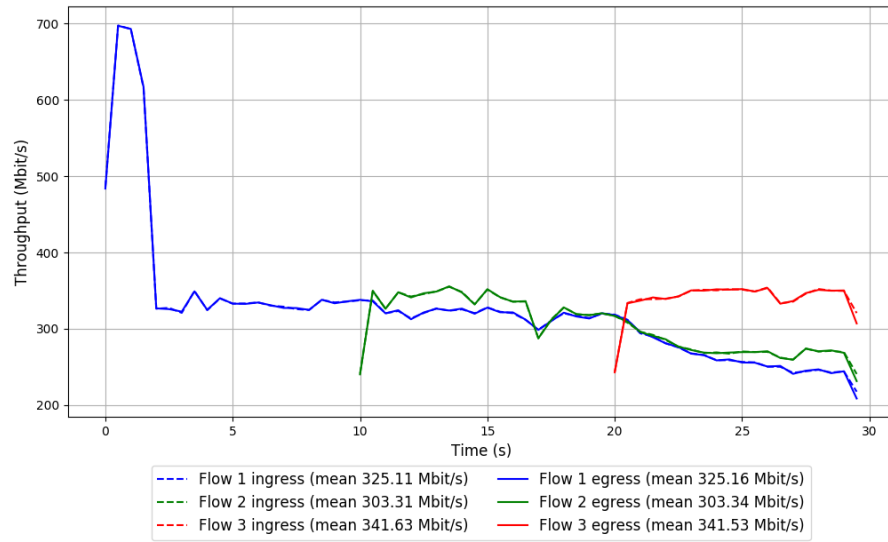


Run 4: Statistics of TCP Vegas

Start at: 2018-02-28 01:41:00
End at: 2018-02-28 01:41:30
Local clock offset: -0.493 ms
Remote clock offset: -6.277 ms

Below is generated by plot.py at 2018-02-28 11:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 639.94 Mbit/s
95th percentile per-packet one-way delay: 1.813 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 325.16 Mbit/s
95th percentile per-packet one-way delay: 1.759 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 303.34 Mbit/s
95th percentile per-packet one-way delay: 1.873 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 341.53 Mbit/s
95th percentile per-packet one-way delay: 1.834 ms
Loss rate: 0.21%

Run 4: Report of TCP Vegas — Data Link

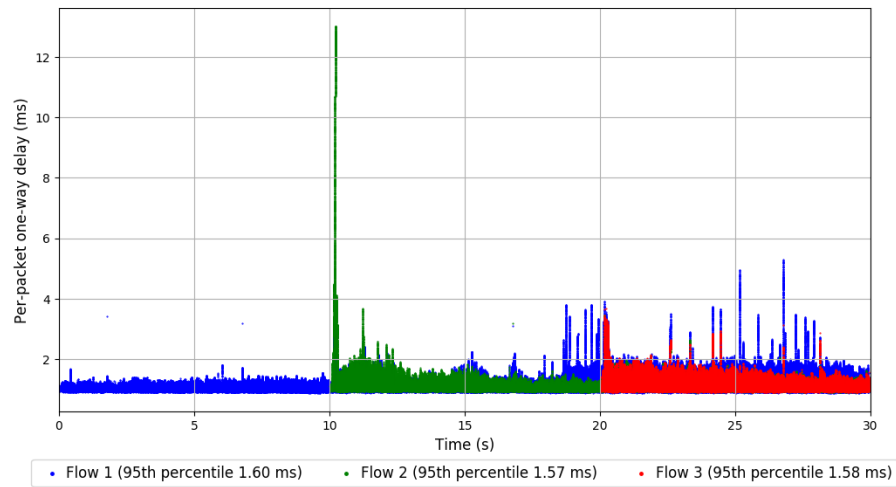
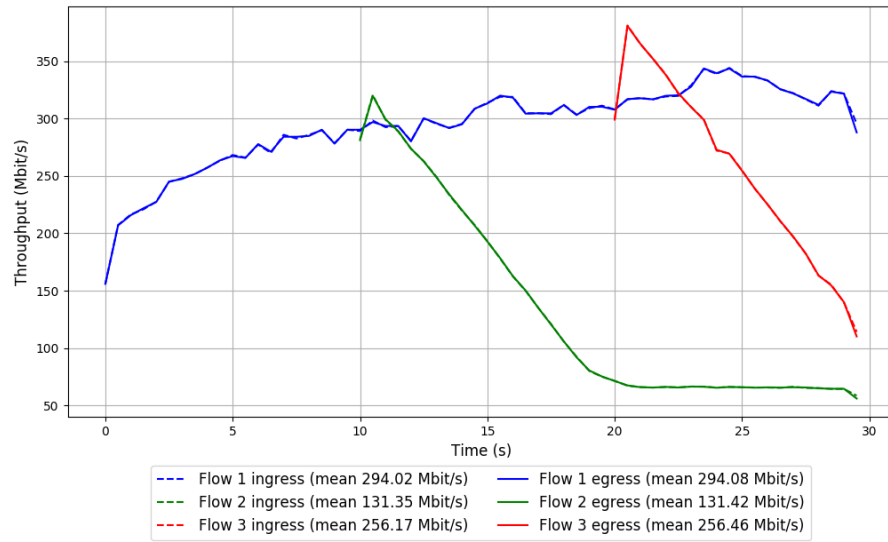


Run 5: Statistics of TCP Vegas

Start at: 2018-02-28 02:10:12
End at: 2018-02-28 02:10:42
Local clock offset: 1.065 ms
Remote clock offset: -6.468 ms

Below is generated by plot.py at 2018-02-28 11:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 466.53 Mbit/s
95th percentile per-packet one-way delay: 1.593 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 294.08 Mbit/s
95th percentile per-packet one-way delay: 1.602 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 131.42 Mbit/s
95th percentile per-packet one-way delay: 1.568 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 256.46 Mbit/s
95th percentile per-packet one-way delay: 1.579 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

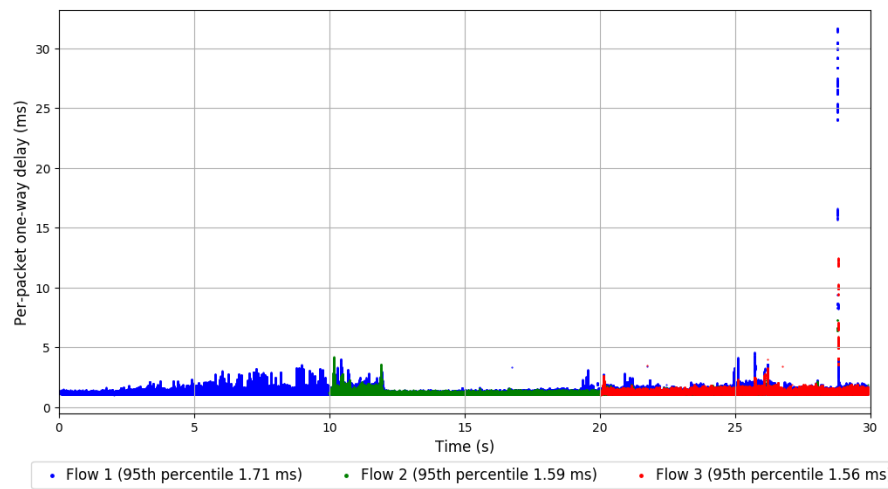
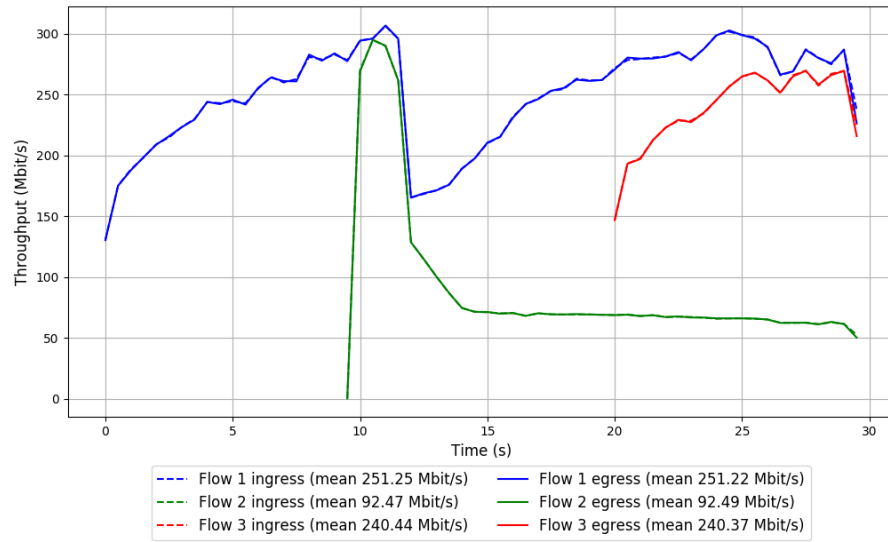


Run 6: Statistics of TCP Vegas

Start at: 2018-02-28 02:39:48
End at: 2018-02-28 02:40:18
Local clock offset: -0.232 ms
Remote clock offset: -6.322 ms

Below is generated by plot.py at 2018-02-28 11:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 392.38 Mbit/s
95th percentile per-packet one-way delay: 1.660 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 251.22 Mbit/s
95th percentile per-packet one-way delay: 1.706 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 1.586 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 240.37 Mbit/s
95th percentile per-packet one-way delay: 1.558 ms
Loss rate: 0.22%

Run 6: Report of TCP Vegas — Data Link

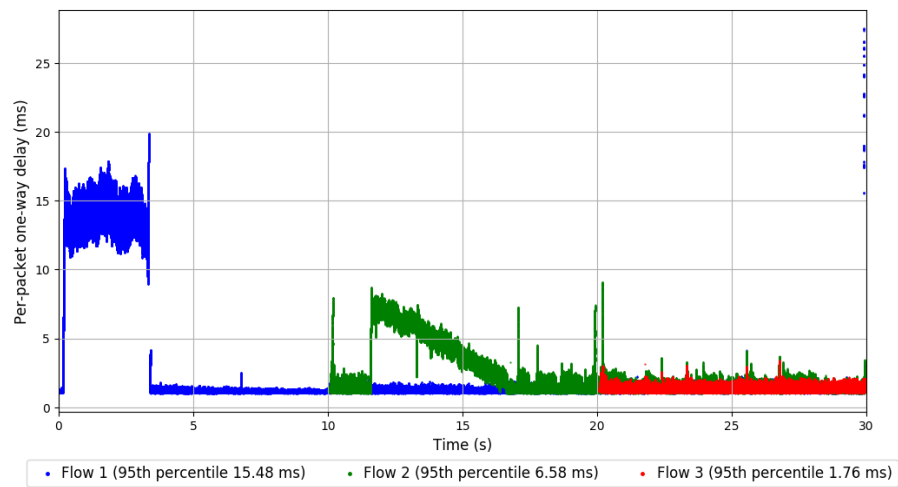
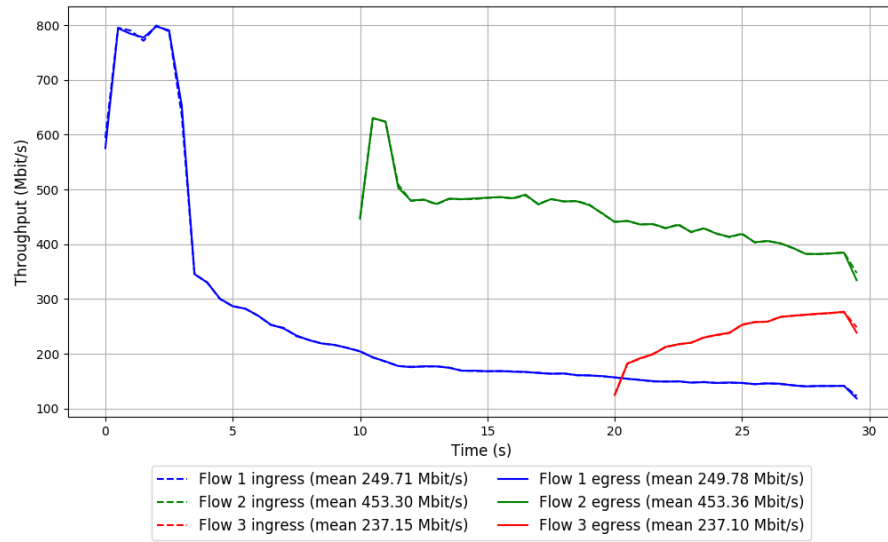


Run 7: Statistics of TCP Vegas

Start at: 2018-02-28 03:09:03
End at: 2018-02-28 03:09:33
Local clock offset: -0.489 ms
Remote clock offset: -6.277 ms

Below is generated by plot.py at 2018-02-28 11:23:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 629.90 Mbit/s
95th percentile per-packet one-way delay: 14.500 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 249.78 Mbit/s
95th percentile per-packet one-way delay: 15.477 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 453.36 Mbit/s
95th percentile per-packet one-way delay: 6.582 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 237.10 Mbit/s
95th percentile per-packet one-way delay: 1.757 ms
Loss rate: 0.21%

Run 7: Report of TCP Vegas — Data Link

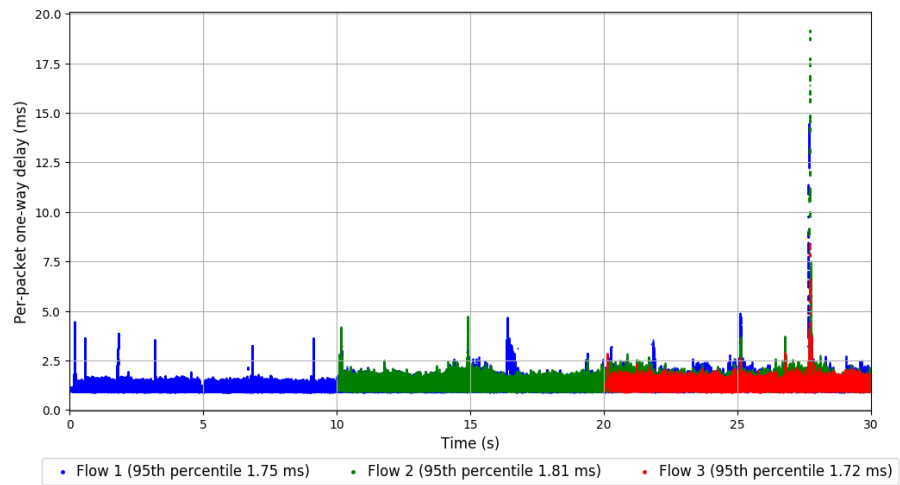
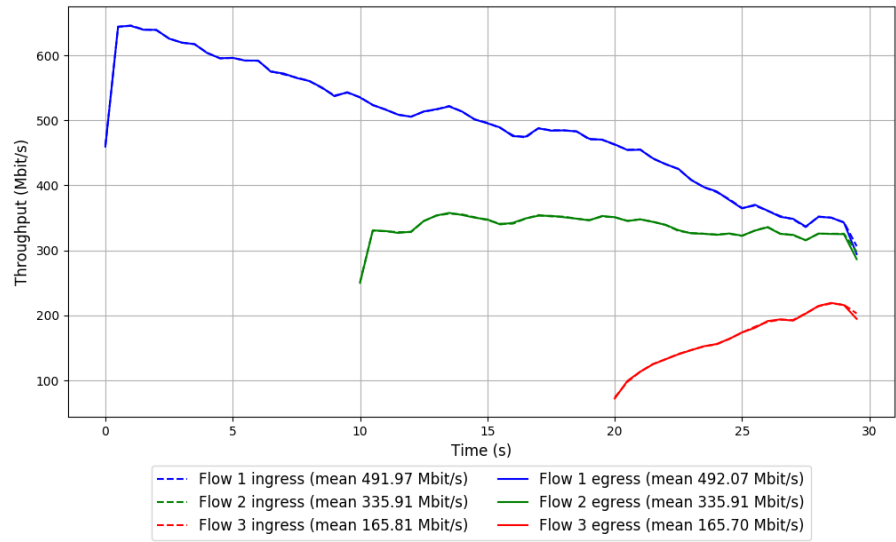


Run 8: Statistics of TCP Vegas

Start at: 2018-02-28 03:38:11
End at: 2018-02-28 03:38:41
Local clock offset: -0.425 ms
Remote clock offset: -6.171 ms

Below is generated by plot.py at 2018-02-28 11:25:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 770.53 Mbit/s
95th percentile per-packet one-way delay: 1.772 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 492.07 Mbit/s
95th percentile per-packet one-way delay: 1.752 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 335.91 Mbit/s
95th percentile per-packet one-way delay: 1.809 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 165.70 Mbit/s
95th percentile per-packet one-way delay: 1.719 ms
Loss rate: 0.27%

Run 8: Report of TCP Vegas — Data Link

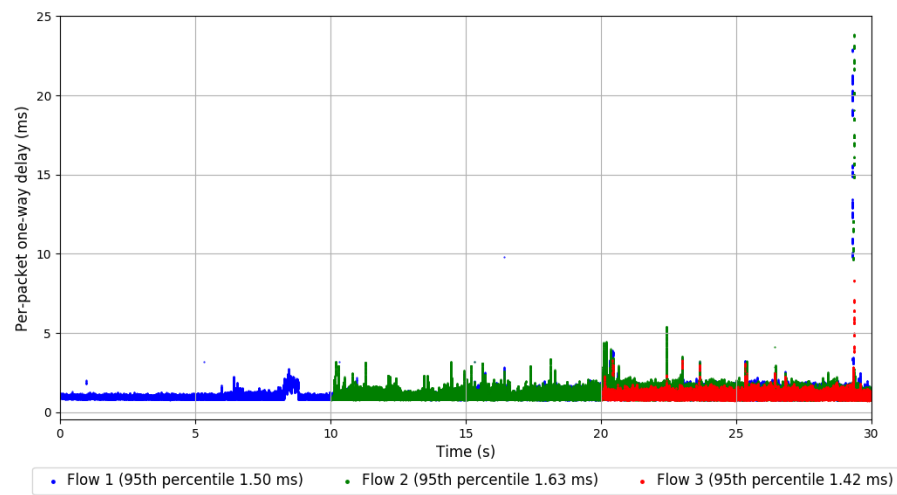
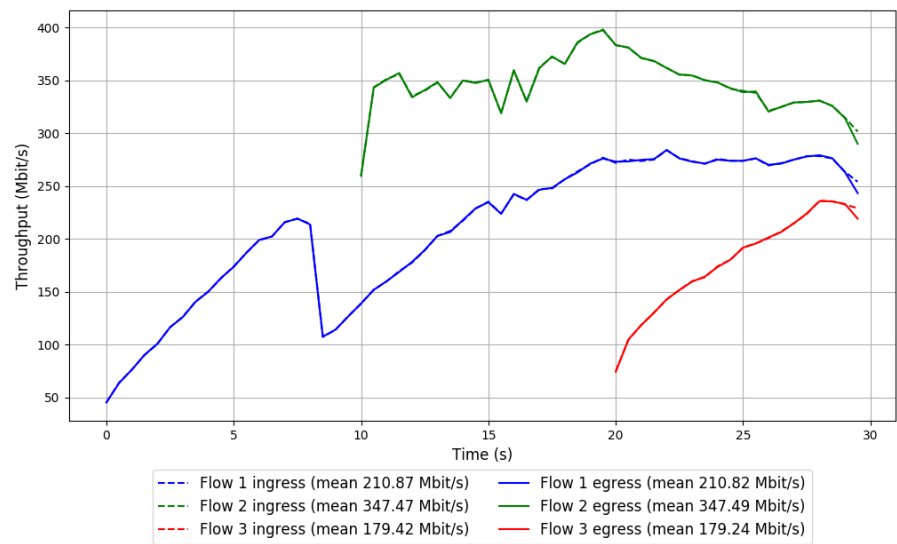


Run 9: Statistics of TCP Vegas

Start at: 2018-02-28 04:07:19
End at: 2018-02-28 04:07:49
Local clock offset: -0.079 ms
Remote clock offset: -6.121 ms

Below is generated by plot.py at 2018-02-28 11:25:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 501.51 Mbit/s
95th percentile per-packet one-way delay: 1.558 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 210.82 Mbit/s
95th percentile per-packet one-way delay: 1.500 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 347.49 Mbit/s
95th percentile per-packet one-way delay: 1.626 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 179.24 Mbit/s
95th percentile per-packet one-way delay: 1.424 ms
Loss rate: 0.28%

Run 9: Report of TCP Vegas — Data Link

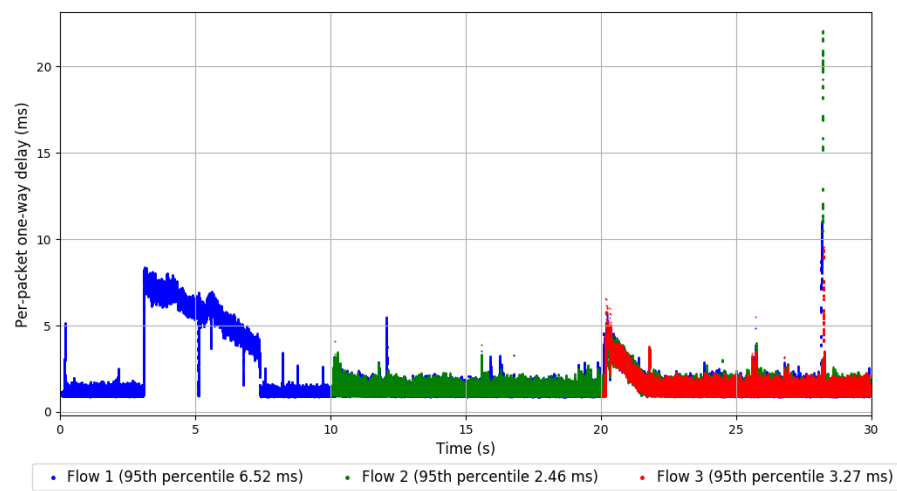
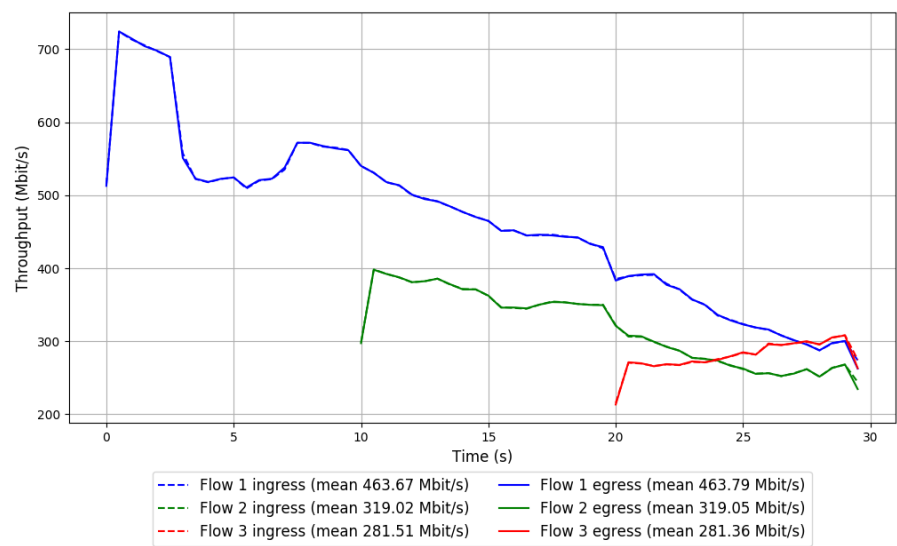


Run 10: Statistics of TCP Vegas

Start at: 2018-02-28 04:36:29
End at: 2018-02-28 04:36:59
Local clock offset: 2.419 ms
Remote clock offset: -5.001 ms

Below is generated by plot.py at 2018-02-28 11:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 769.33 Mbit/s
95th percentile per-packet one-way delay: 5.911 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 463.79 Mbit/s
95th percentile per-packet one-way delay: 6.519 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 319.05 Mbit/s
95th percentile per-packet one-way delay: 2.463 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 281.36 Mbit/s
95th percentile per-packet one-way delay: 3.271 ms
Loss rate: 0.22%

Run 10: Report of TCP Vegas — Data Link

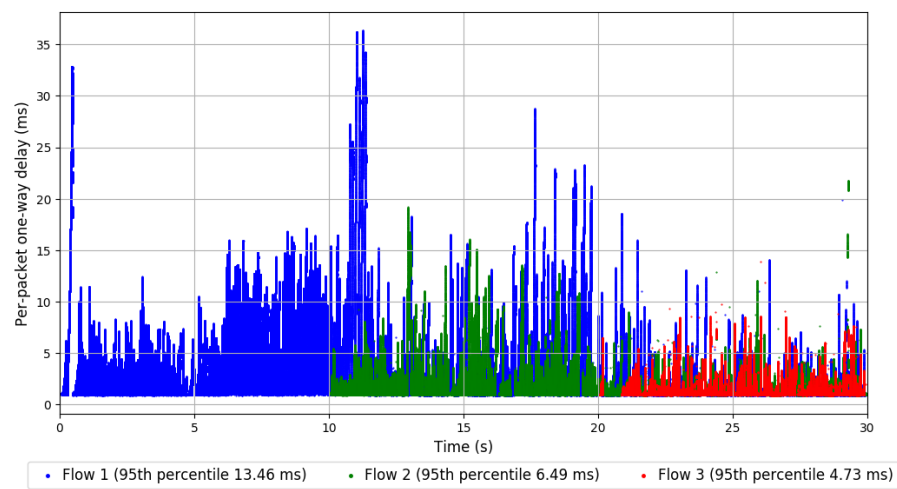
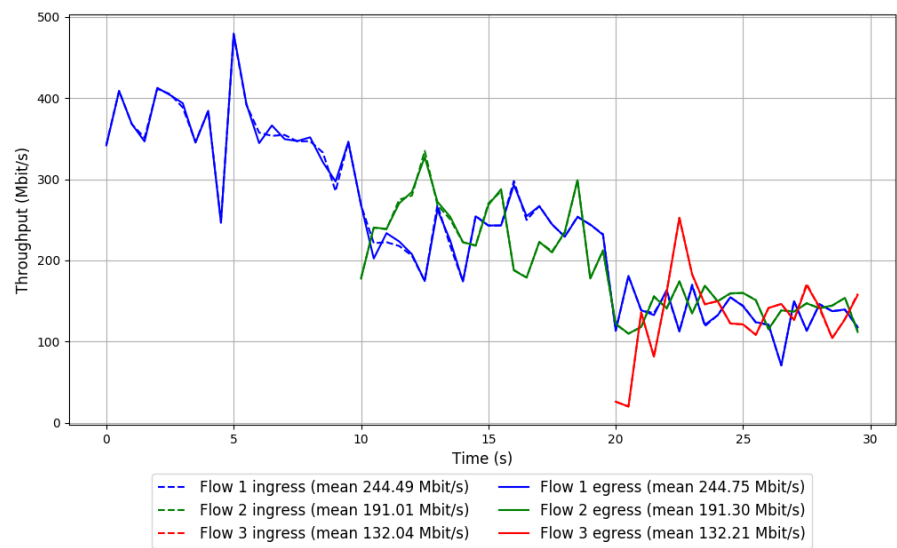


Run 1: Statistics of Verus

Start at: 2018-02-28 00:00:49
End at: 2018-02-28 00:01:19
Local clock offset: 1.883 ms
Remote clock offset: -6.612 ms

Below is generated by plot.py at 2018-02-28 11:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 415.71 Mbit/s
95th percentile per-packet one-way delay: 11.636 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 244.75 Mbit/s
95th percentile per-packet one-way delay: 13.455 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 6.492 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 132.21 Mbit/s
95th percentile per-packet one-way delay: 4.731 ms
Loss rate: 0.08%

Run 1: Report of Verus — Data Link

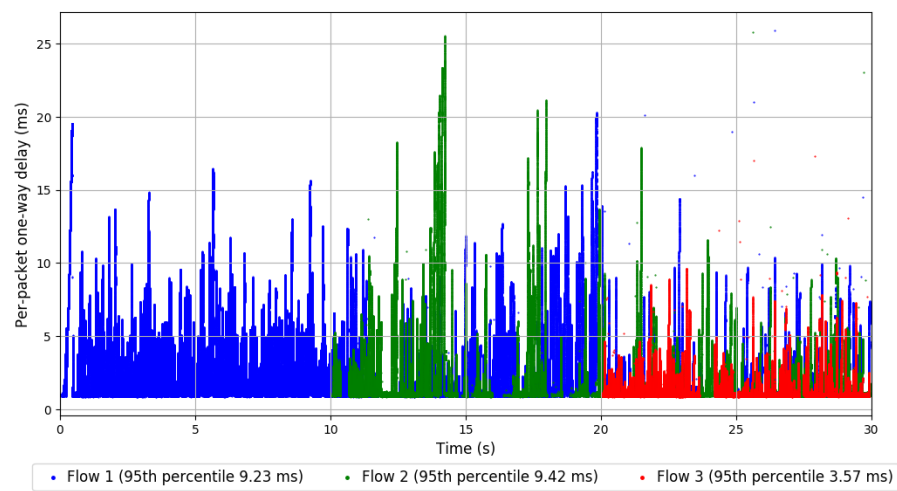
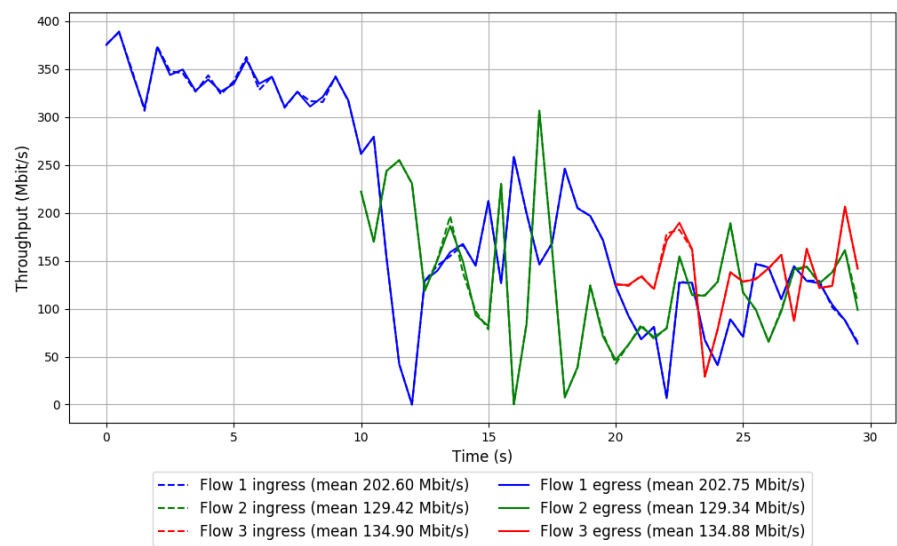


Run 2: Statistics of Verus

Start at: 2018-02-28 00:29:57
End at: 2018-02-28 00:30:27
Local clock offset: -0.378 ms
Remote clock offset: -4.658 ms

Below is generated by plot.py at 2018-02-28 11:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.46 Mbit/s
95th percentile per-packet one-way delay: 8.806 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 202.75 Mbit/s
95th percentile per-packet one-way delay: 9.235 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 129.34 Mbit/s
95th percentile per-packet one-way delay: 9.419 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 134.88 Mbit/s
95th percentile per-packet one-way delay: 3.571 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

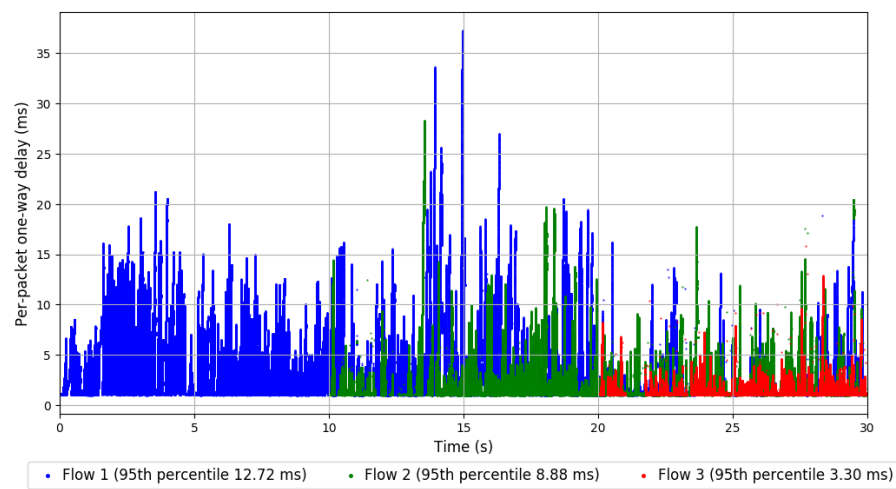
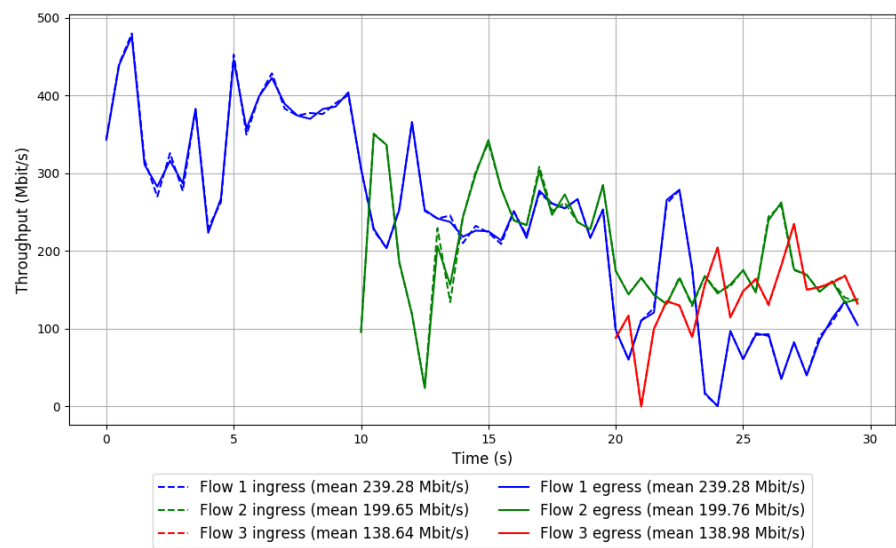


Run 3: Statistics of Verus

Start at: 2018-02-28 00:58:54
End at: 2018-02-28 00:59:24
Local clock offset: -0.4 ms
Remote clock offset: -5.395 ms

Below is generated by plot.py at 2018-02-28 11:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 417.93 Mbit/s
95th percentile per-packet one-way delay: 11.584 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 239.28 Mbit/s
95th percentile per-packet one-way delay: 12.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 199.76 Mbit/s
95th percentile per-packet one-way delay: 8.880 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 138.98 Mbit/s
95th percentile per-packet one-way delay: 3.301 ms
Loss rate: 0.02%

Run 3: Report of Verus — Data Link

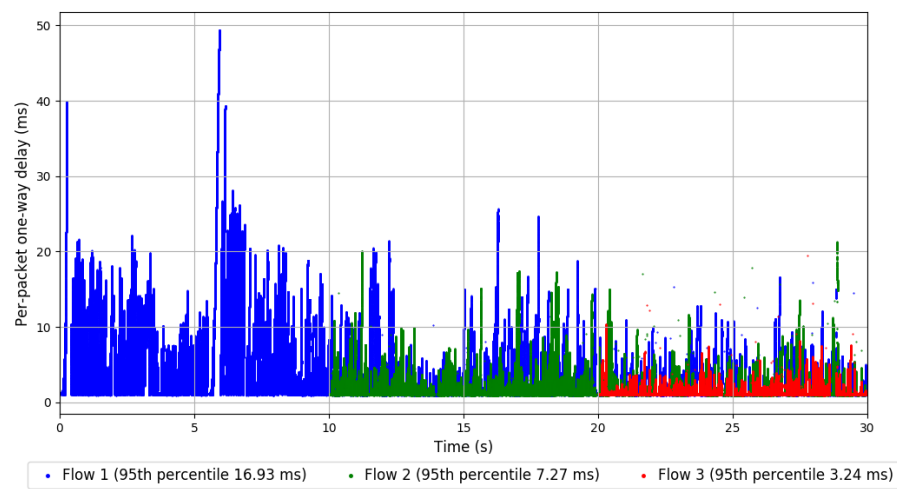
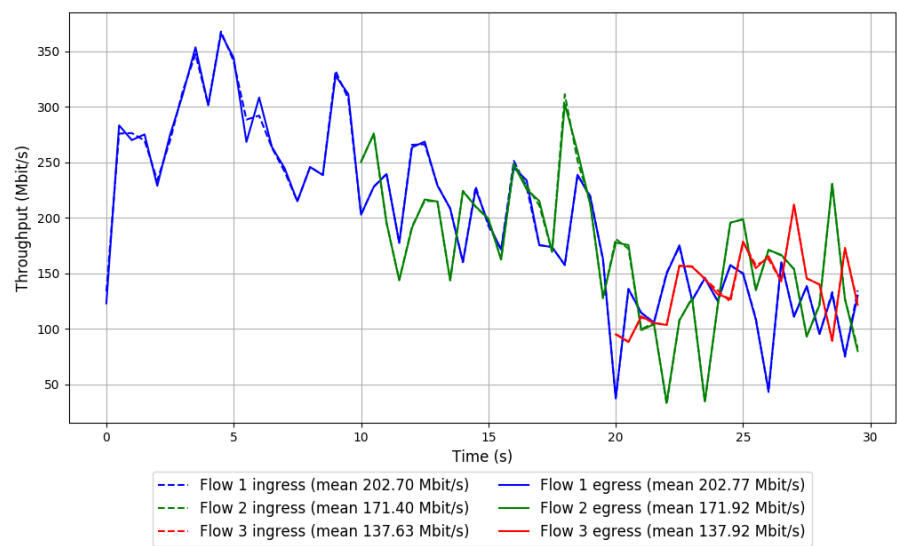


Run 4: Statistics of Verus

Start at: 2018-02-28 01:27:58
End at: 2018-02-28 01:28:28
Local clock offset: -0.542 ms
Remote clock offset: -6.072 ms

Below is generated by plot.py at 2018-02-28 11:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.71 Mbit/s
95th percentile per-packet one-way delay: 14.038 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 202.77 Mbit/s
95th percentile per-packet one-way delay: 16.928 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 171.92 Mbit/s
95th percentile per-packet one-way delay: 7.274 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 137.92 Mbit/s
95th percentile per-packet one-way delay: 3.244 ms
Loss rate: 0.08%

Run 4: Report of Verus — Data Link

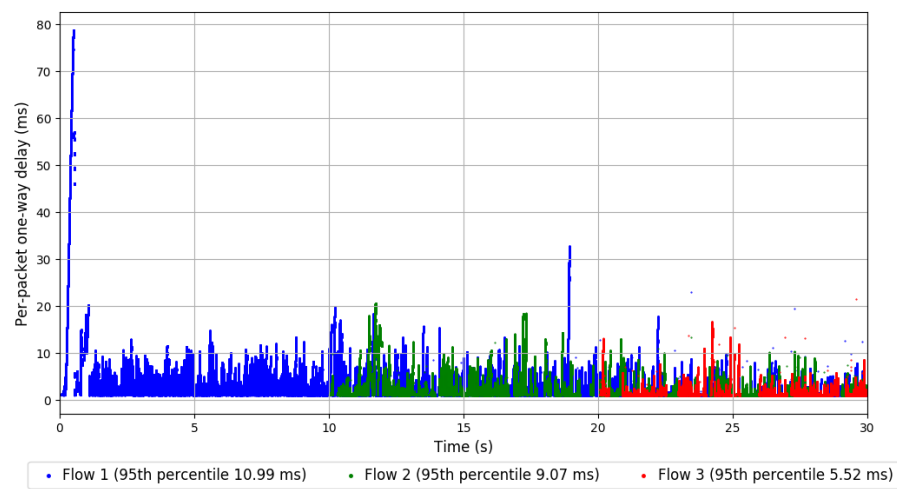
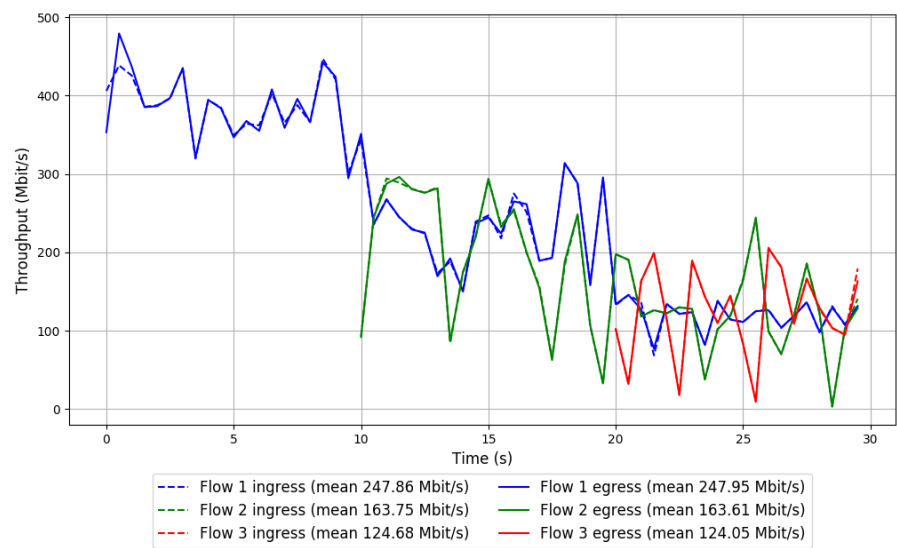


Run 5: Statistics of Verus

Start at: 2018-02-28 01:57:13
End at: 2018-02-28 01:57:43
Local clock offset: 0.414 ms
Remote clock offset: -6.417 ms

Below is generated by plot.py at 2018-02-28 11:26:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 397.99 Mbit/s
95th percentile per-packet one-way delay: 10.285 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 247.95 Mbit/s
95th percentile per-packet one-way delay: 10.986 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 163.61 Mbit/s
95th percentile per-packet one-way delay: 9.069 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 124.05 Mbit/s
95th percentile per-packet one-way delay: 5.521 ms
Loss rate: 0.68%

Run 5: Report of Verus — Data Link

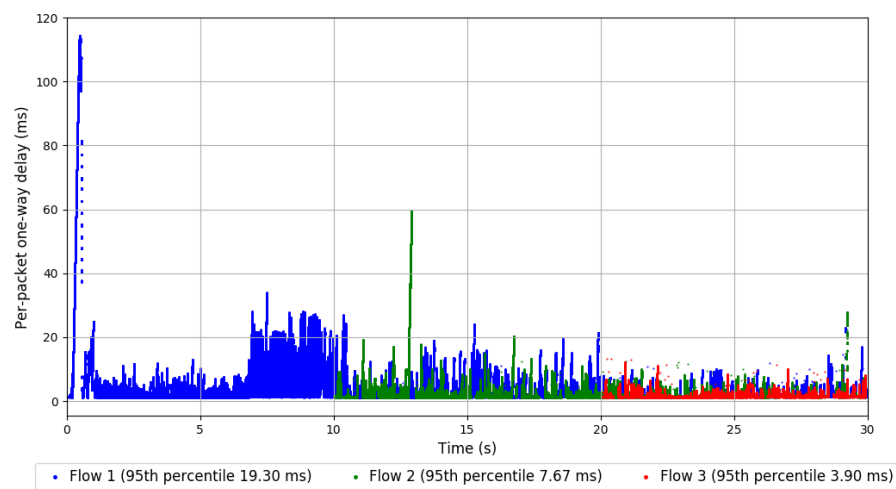
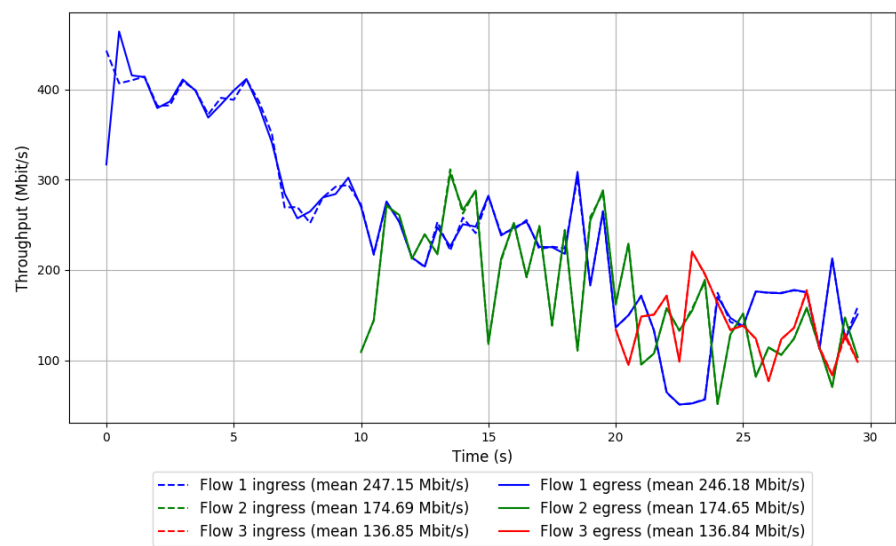


Run 6: Statistics of Verus

Start at: 2018-02-28 02:26:34
End at: 2018-02-28 02:27:04
Local clock offset: 0.969 ms
Remote clock offset: -6.411 ms

Below is generated by plot.py at 2018-02-28 11:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.50 Mbit/s
95th percentile per-packet one-way delay: 16.000 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 246.18 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 174.65 Mbit/s
95th percentile per-packet one-way delay: 7.665 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.84 Mbit/s
95th percentile per-packet one-way delay: 3.895 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

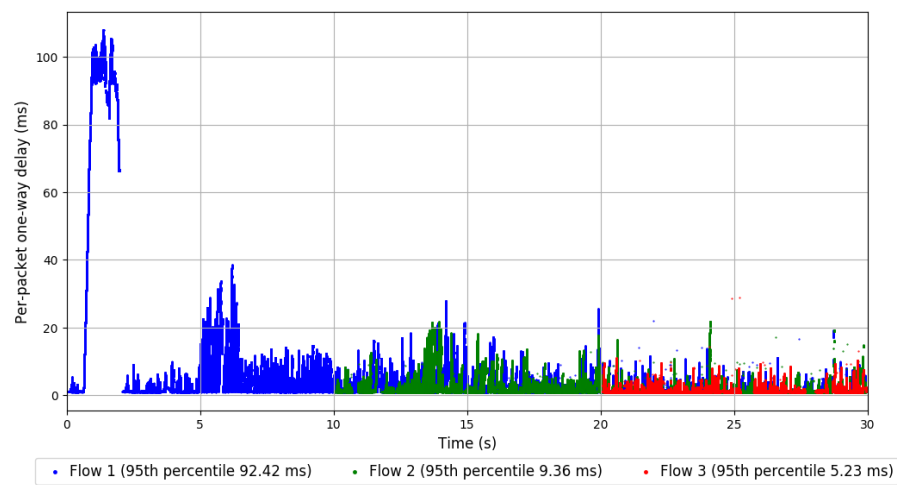
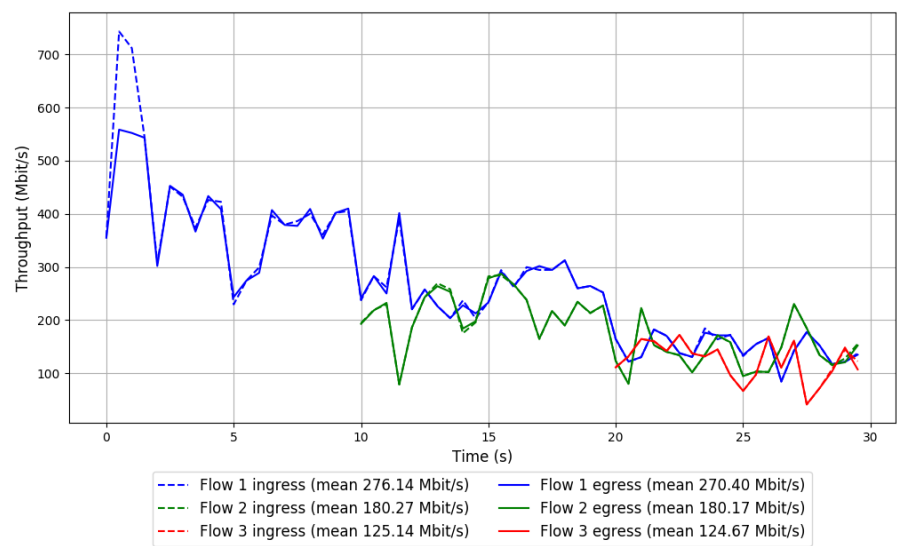


Run 7: Statistics of Verus

Start at: 2018-02-28 02:55:56
End at: 2018-02-28 02:56:26
Local clock offset: -0.655 ms
Remote clock offset: -6.282 ms

Below is generated by plot.py at 2018-02-28 11:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.58 Mbit/s
95th percentile per-packet one-way delay: 62.561 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 270.40 Mbit/s
95th percentile per-packet one-way delay: 92.419 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 180.17 Mbit/s
95th percentile per-packet one-way delay: 9.358 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 124.67 Mbit/s
95th percentile per-packet one-way delay: 5.234 ms
Loss rate: 0.62%

Run 7: Report of Verus — Data Link

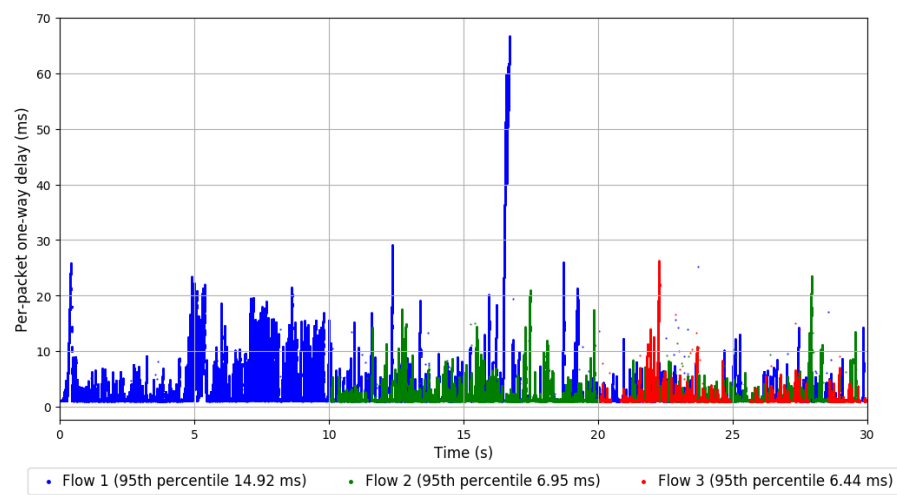
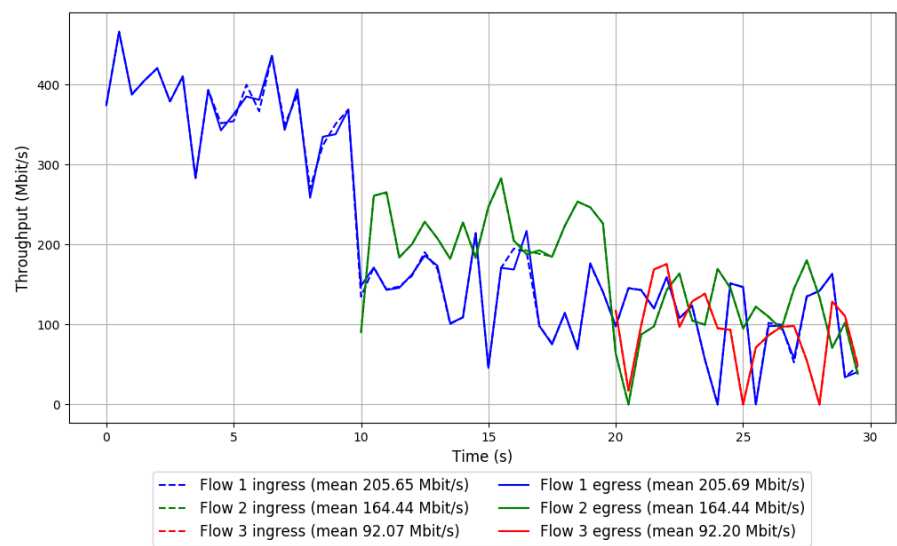


Run 8: Statistics of Verus

Start at: 2018-02-28 03:25:11
End at: 2018-02-28 03:25:41
Local clock offset: -0.462 ms
Remote clock offset: -6.257 ms

Below is generated by plot.py at 2018-02-28 11:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 343.85 Mbit/s
95th percentile per-packet one-way delay: 12.869 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 205.69 Mbit/s
95th percentile per-packet one-way delay: 14.916 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 164.44 Mbit/s
95th percentile per-packet one-way delay: 6.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 6.439 ms
Loss rate: 0.06%

Run 8: Report of Verus — Data Link

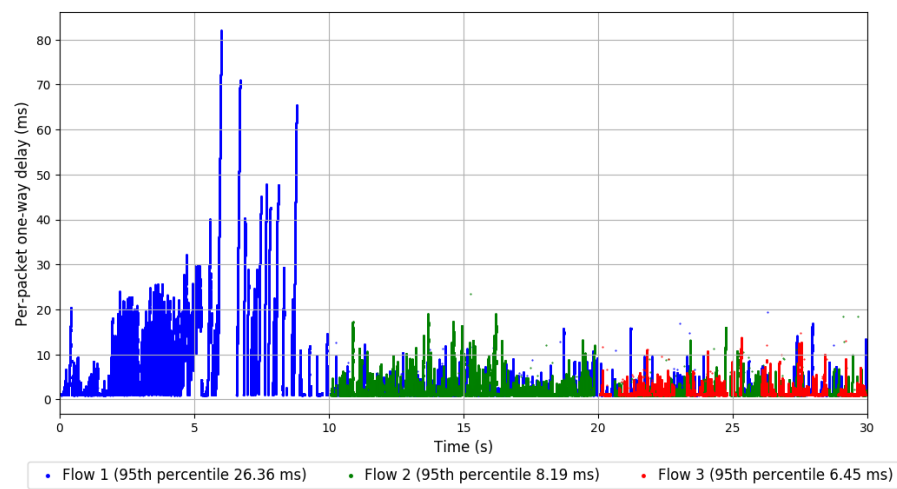
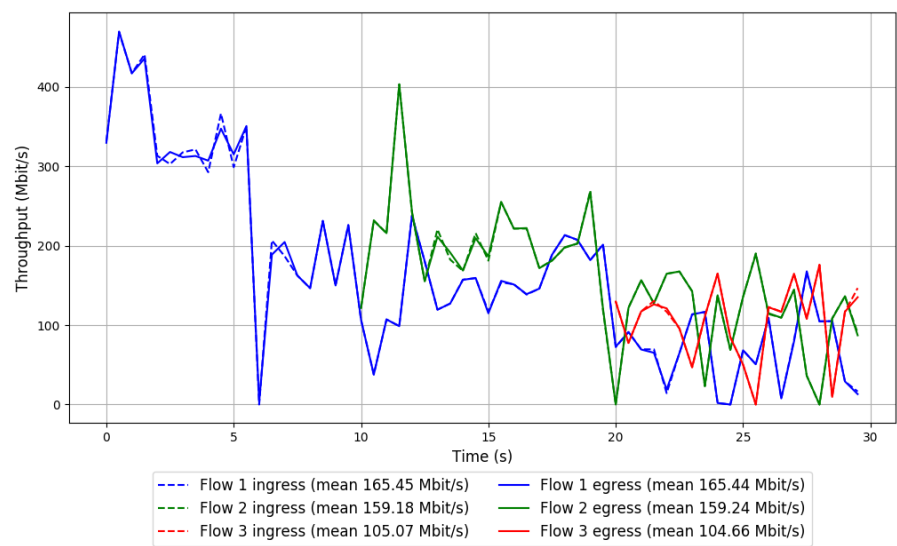


Run 9: Statistics of Verus

Start at: 2018-02-28 03:54:30
End at: 2018-02-28 03:55:00
Local clock offset: -0.467 ms
Remote clock offset: -6.257 ms

Below is generated by plot.py at 2018-02-28 11:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.04 Mbit/s
95th percentile per-packet one-way delay: 19.922 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 165.44 Mbit/s
95th percentile per-packet one-way delay: 26.357 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 159.24 Mbit/s
95th percentile per-packet one-way delay: 8.189 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 104.66 Mbit/s
95th percentile per-packet one-way delay: 6.448 ms
Loss rate: 0.55%

Run 9: Report of Verus — Data Link

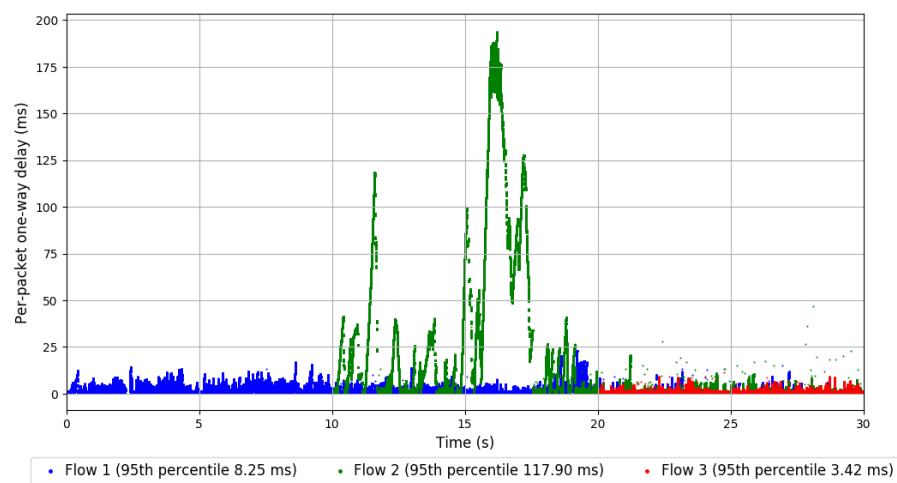
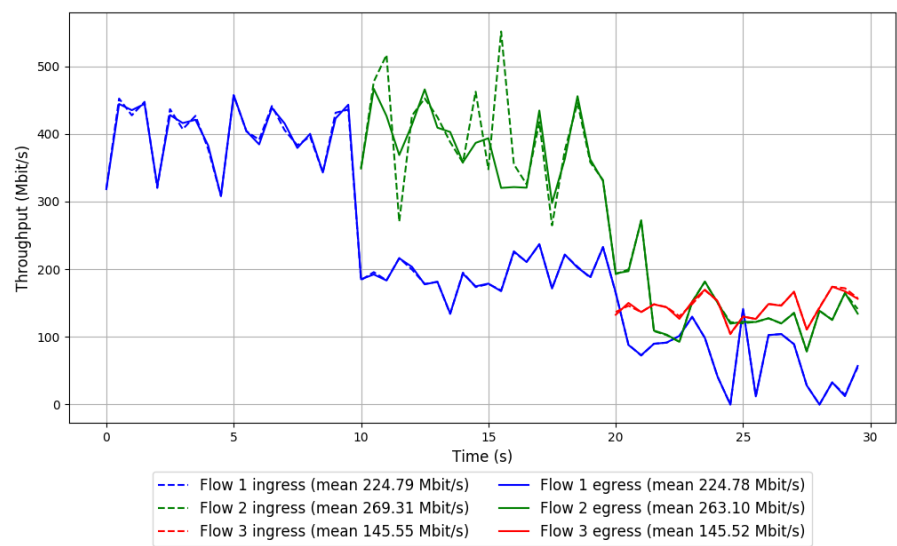


Run 10: Statistics of Verus

Start at: 2018-02-28 04:23:27
End at: 2018-02-28 04:23:57
Local clock offset: 1.822 ms
Remote clock offset: -5.326 ms

Below is generated by plot.py at 2018-02-28 11:29:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 446.22 Mbit/s
95th percentile per-packet one-way delay: 67.367 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 224.78 Mbit/s
95th percentile per-packet one-way delay: 8.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 263.10 Mbit/s
95th percentile per-packet one-way delay: 117.901 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 145.52 Mbit/s
95th percentile per-packet one-way delay: 3.423 ms
Loss rate: 0.21%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-02-28 00:22:20

End at: 2018-02-28 00:22:50

Local clock offset: -0.035 ms

Remote clock offset: -5.14 ms

Below is generated by plot.py at 2018-02-28 11:30:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.75 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 82.81 Mbit/s

95th percentile per-packet one-way delay: 1.202 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 1.235 ms

Loss rate: 0.09%

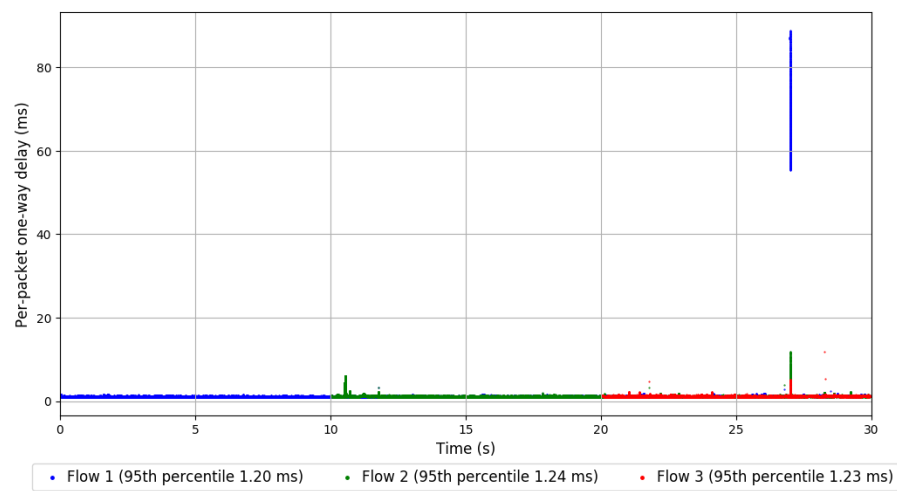
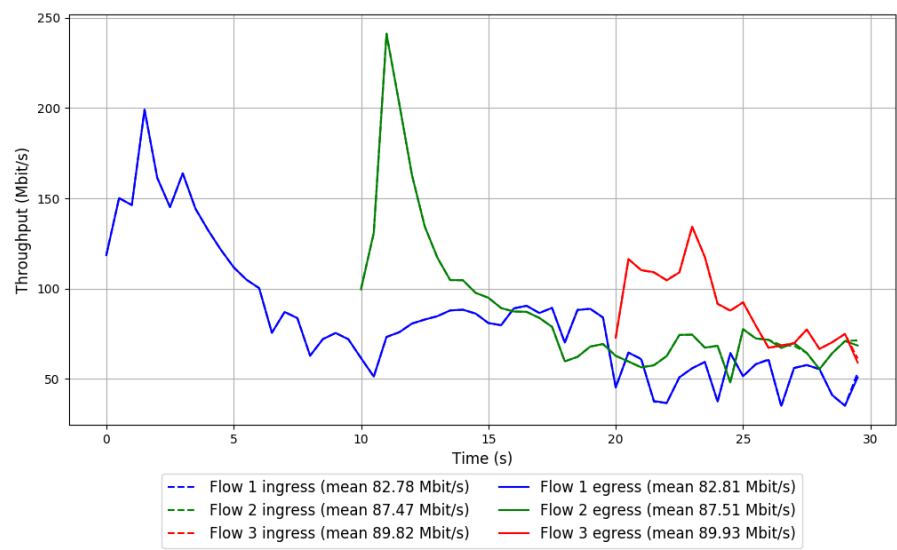
-- Flow 3:

Average throughput: 89.93 Mbit/s

95th percentile per-packet one-way delay: 1.229 ms

Loss rate: 0.14%

Run 1: Report of Copa — Data Link

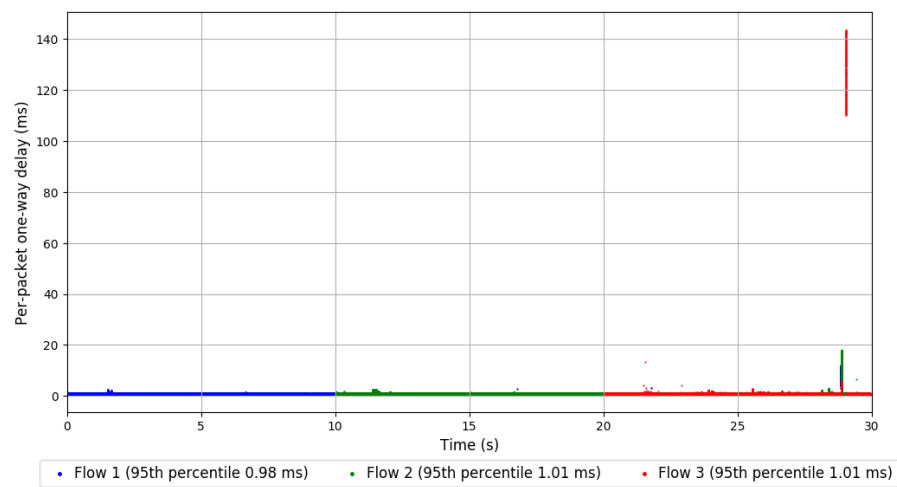
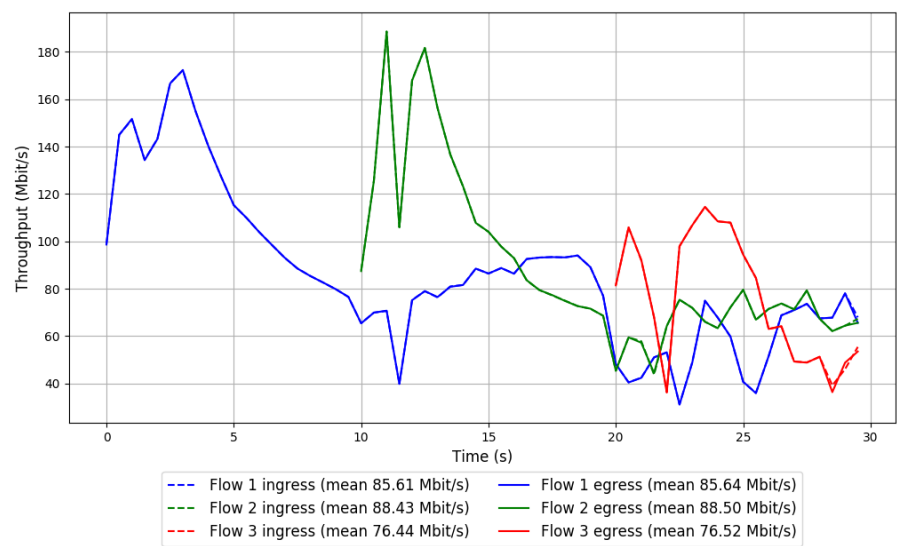


Run 2: Statistics of Copa

Start at: 2018-02-28 00:51:17
End at: 2018-02-28 00:51:47
Local clock offset: -0.484 ms
Remote clock offset: -5.099 ms

Below is generated by plot.py at 2018-02-28 11:30:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 169.80 Mbit/s
95th percentile per-packet one-way delay: 0.995 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 76.52 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.13%

Run 2: Report of Copa — Data Link

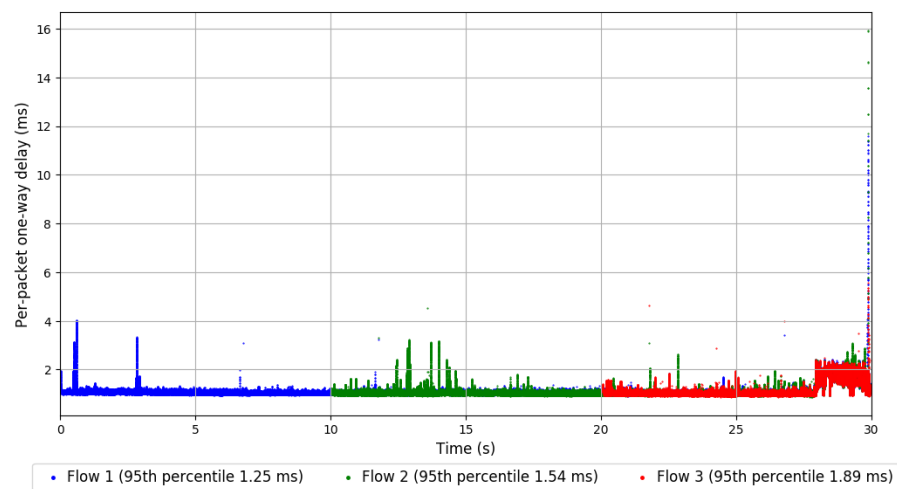
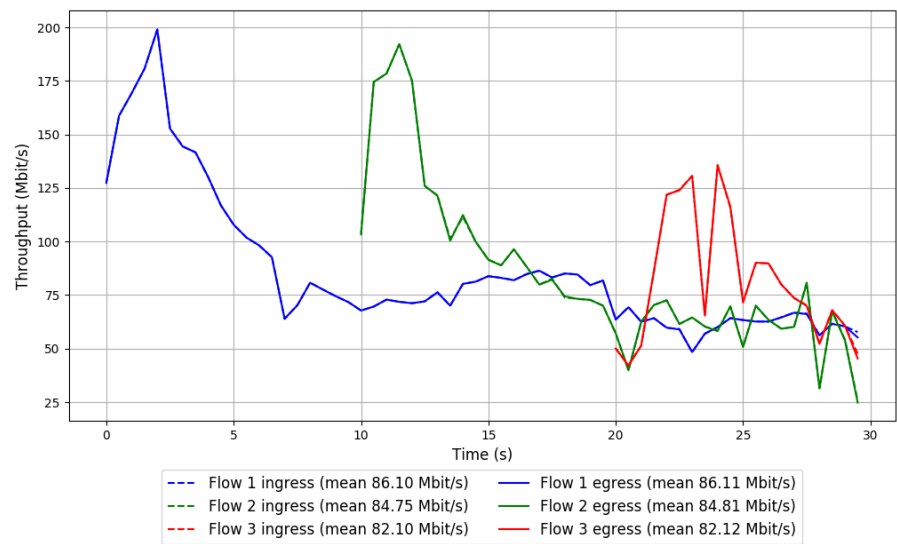


Run 3: Statistics of Copa

Start at: 2018-02-28 01:20:14
End at: 2018-02-28 01:20:44
Local clock offset: -0.463 ms
Remote clock offset: -5.709 ms

Below is generated by plot.py at 2018-02-28 11:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 169.69 Mbit/s
95th percentile per-packet one-way delay: 1.578 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 1.545 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 1.889 ms
Loss rate: 0.18%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-02-28 01:49:39

End at: 2018-02-28 01:50:09

Local clock offset: -0.641 ms

Remote clock offset: -6.31 ms

Below is generated by plot.py at 2018-02-28 11:31:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.39 Mbit/s

95th percentile per-packet one-way delay: 0.920 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 0.925 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 0.911 ms

Loss rate: 0.07%

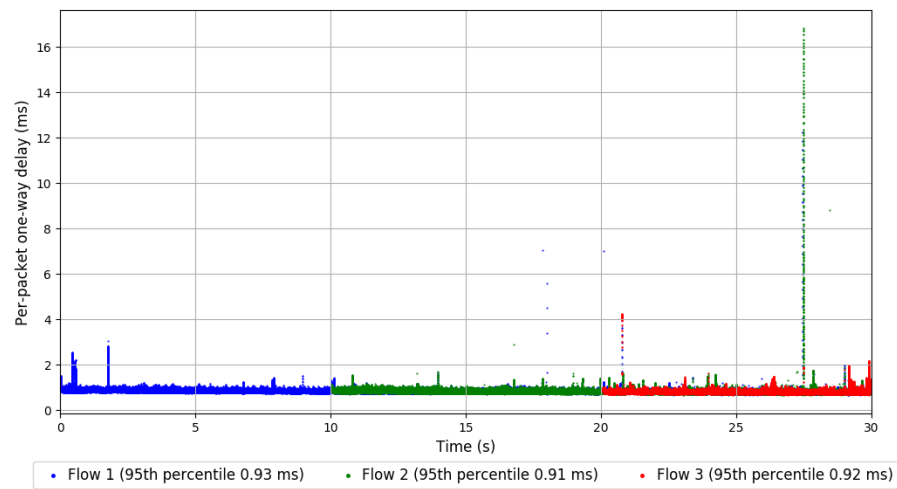
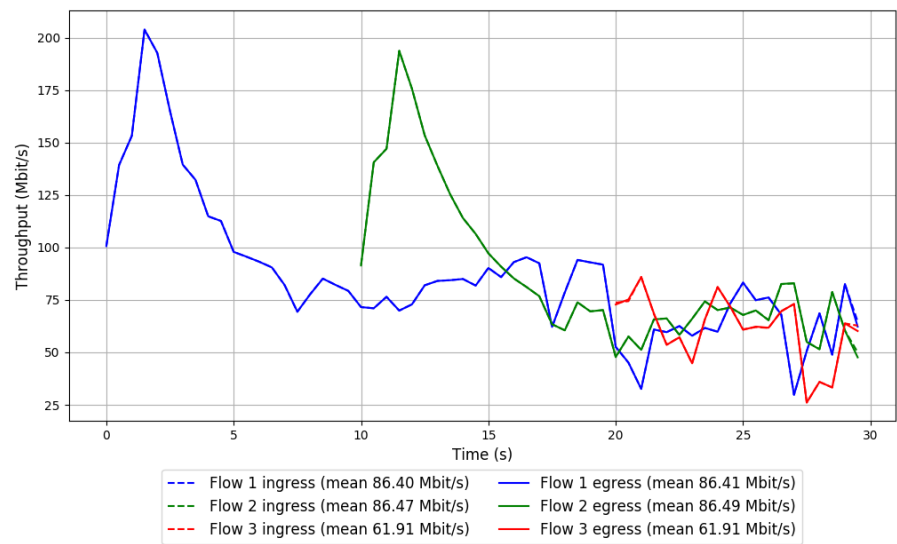
-- Flow 3:

Average throughput: 61.91 Mbit/s

95th percentile per-packet one-way delay: 0.917 ms

Loss rate: 0.22%

Run 4: Report of Copa — Data Link

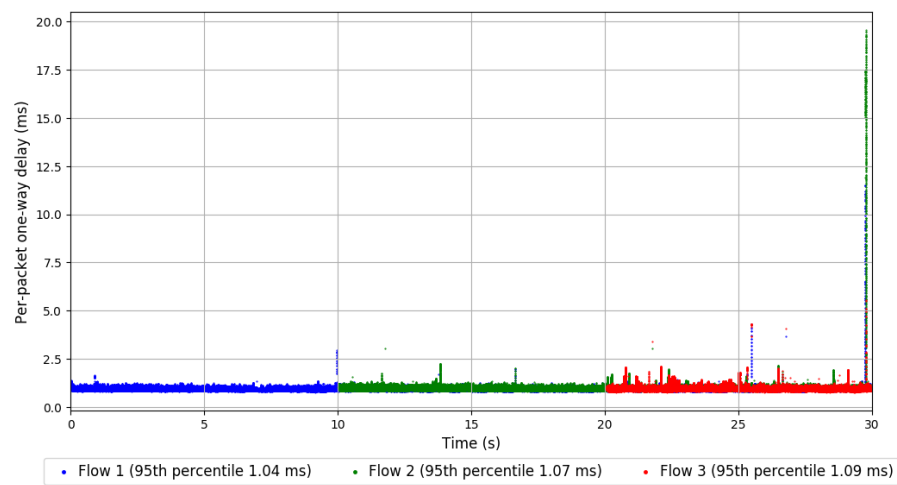
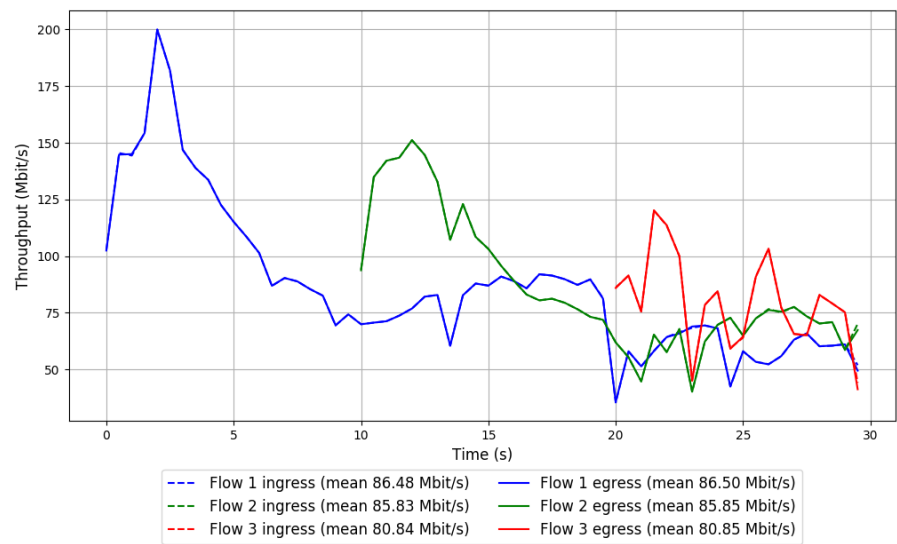


Run 5: Statistics of Copa

Start at: 2018-02-28 02:18:56
End at: 2018-02-28 02:19:26
Local clock offset: 1.329 ms
Remote clock offset: -6.459 ms

```
# Below is generated by plot.py at 2018-02-28 11:31:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 170.34 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 80.85 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.19%
```

Run 5: Report of Copa — Data Link

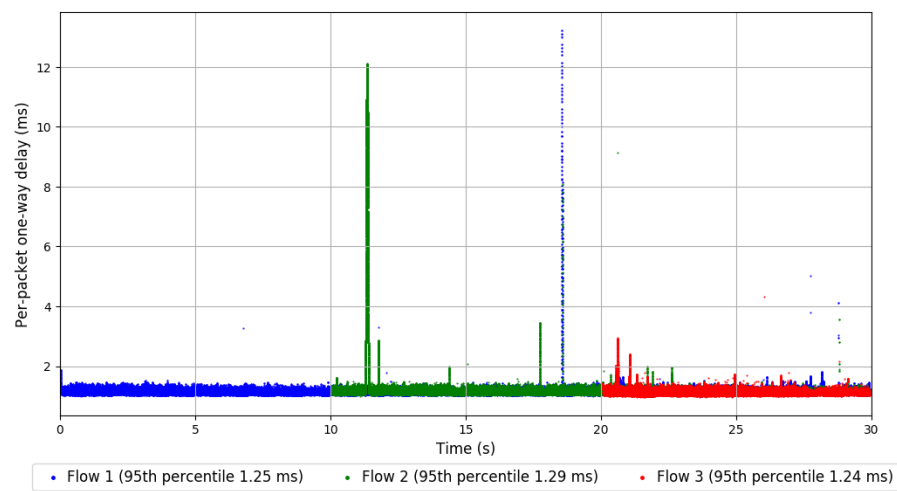
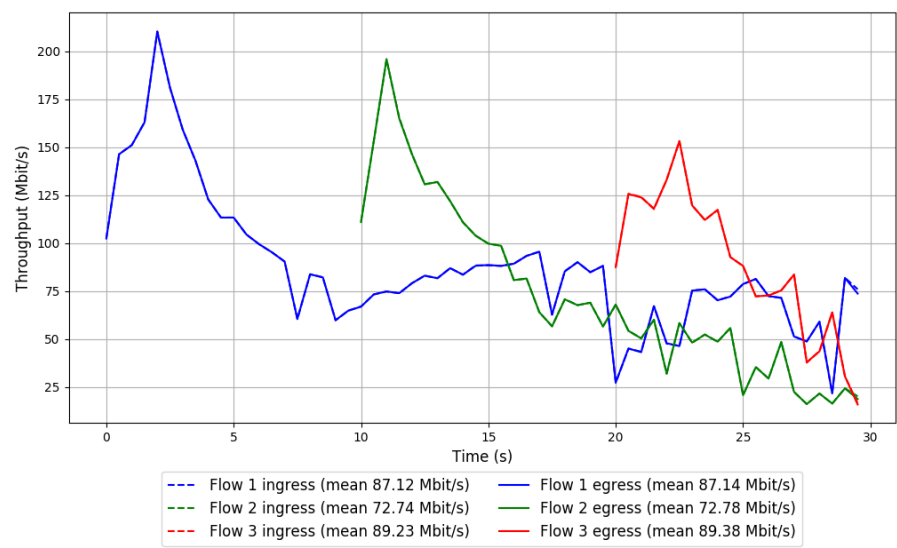


Run 6: Statistics of Copa

Start at: 2018-02-28 02:48:19
End at: 2018-02-28 02:48:49
Local clock offset: -0.463 ms
Remote clock offset: -6.297 ms

```
# Below is generated by plot.py at 2018-02-28 11:31:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 165.09 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 72.78 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.04%
```

Run 6: Report of Copa — Data Link

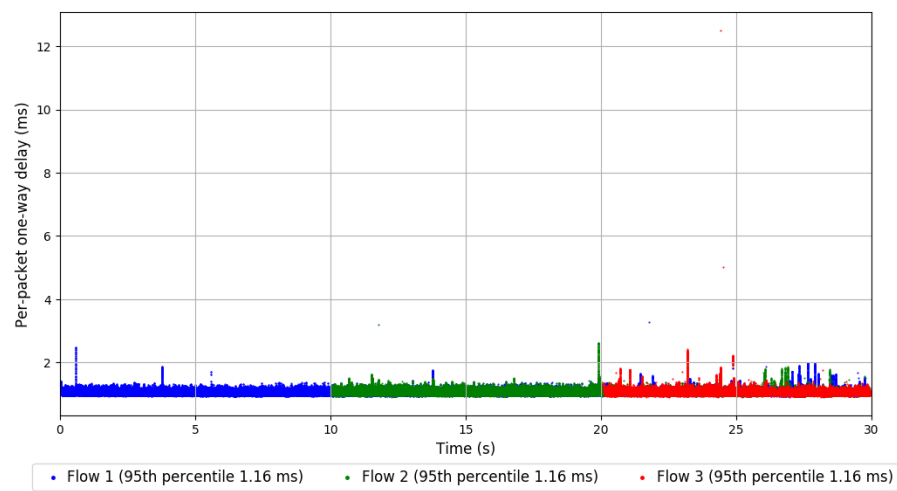
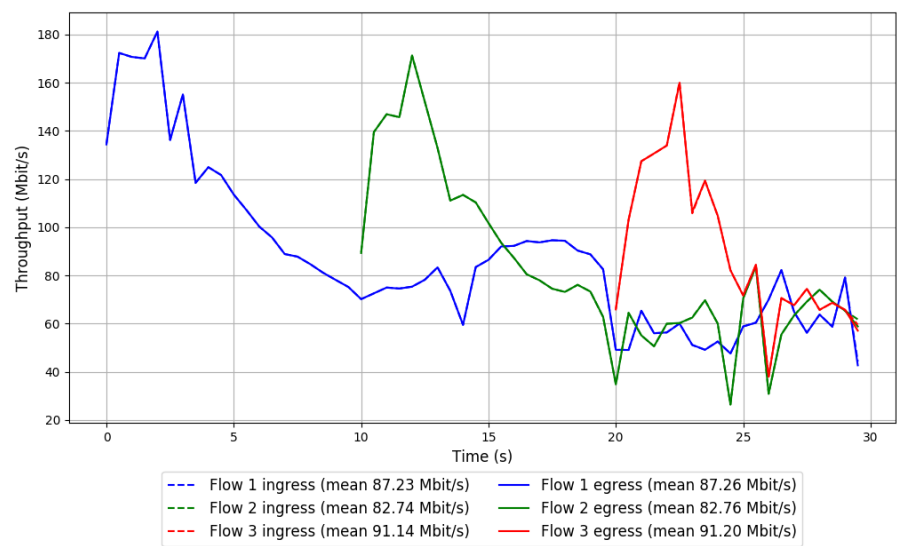


Run 7: Statistics of Copa

Start at: 2018-02-28 03:17:32
End at: 2018-02-28 03:18:02
Local clock offset: -0.449 ms
Remote clock offset: -6.201 ms

Below is generated by plot.py at 2018-02-28 11:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.34 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 82.76 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.15%

Run 7: Report of Copa — Data Link

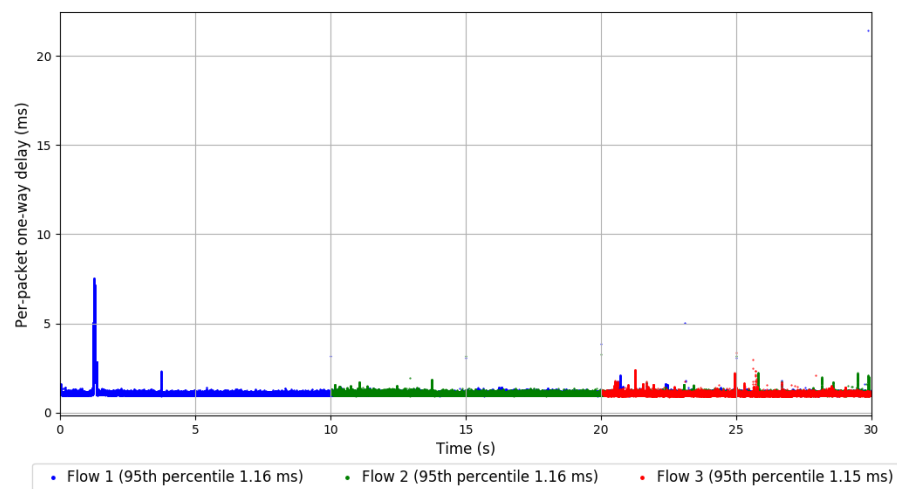
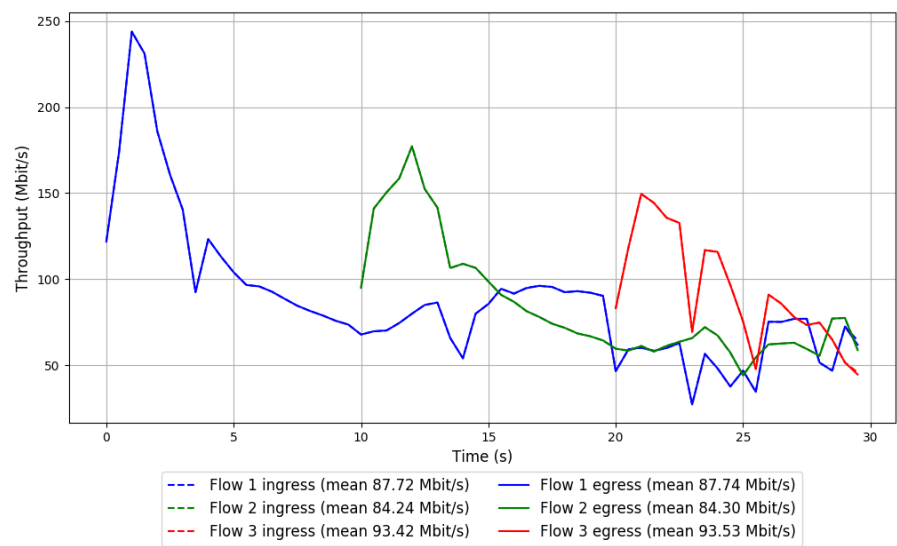


Run 8: Statistics of Copa

Start at: 2018-02-28 03:46:52
End at: 2018-02-28 03:47:22
Local clock offset: -0.383 ms
Remote clock offset: -6.213 ms

```
# Below is generated by plot.py at 2018-02-28 11:34:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 174.72 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.07%
```

Run 8: Report of Copa — Data Link

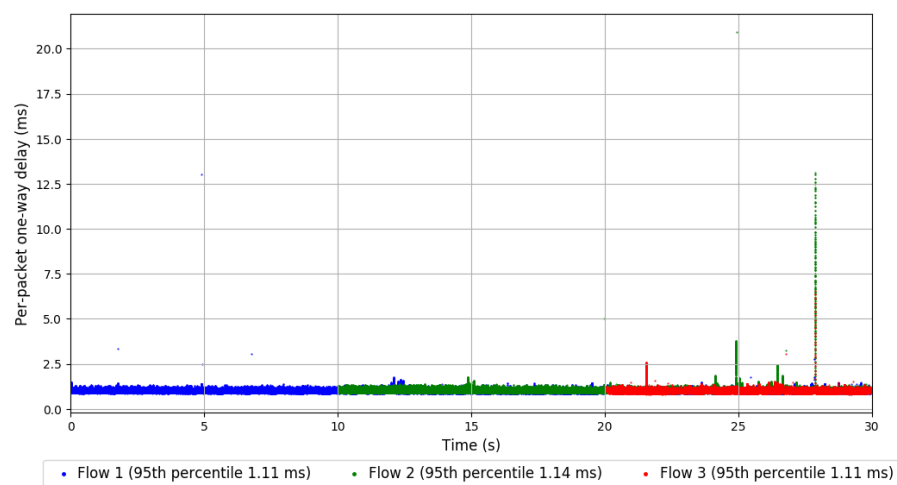
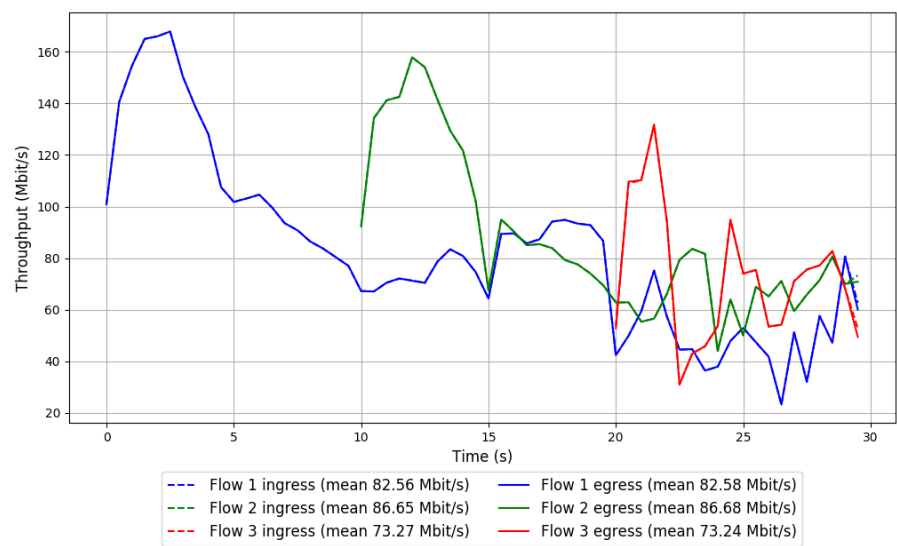


Run 9: Statistics of Copa

Start at: 2018-02-28 04:15:50
End at: 2018-02-28 04:16:20
Local clock offset: 1.197 ms
Remote clock offset: -5.557 ms

```
# Below is generated by plot.py at 2018-02-28 11:34:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 164.46 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.23%
```

Run 9: Report of Copa — Data Link

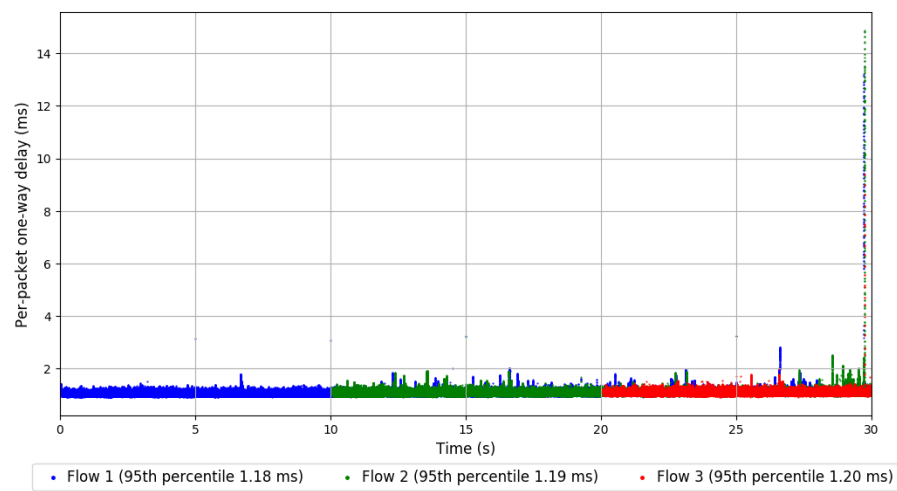
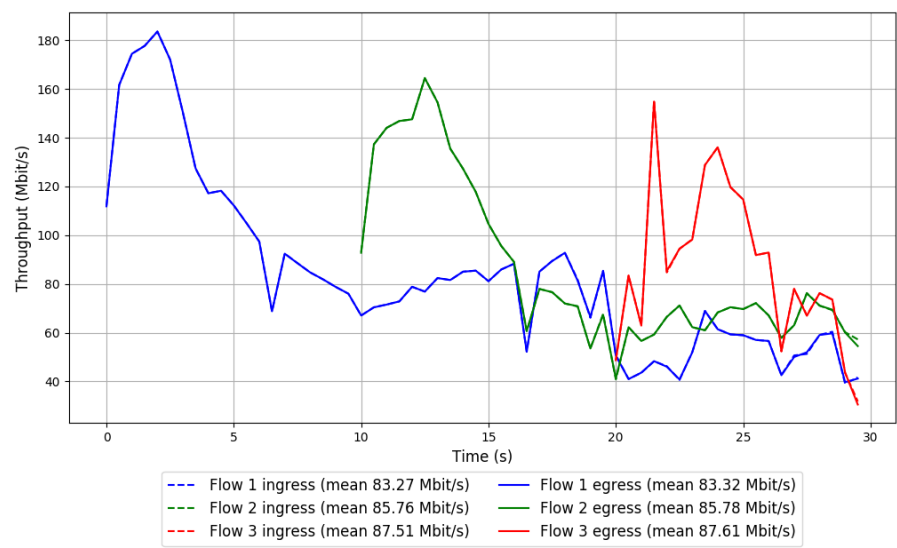


Run 10: Statistics of Copa

Start at: 2018-02-28 04:45:08
End at: 2018-02-28 04:45:38
Local clock offset: 1.955 ms
Remote clock offset: -4.759 ms

Below is generated by plot.py at 2018-02-28 11:34:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 169.30 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.07%

Run 10: Report of Copa — Data Link

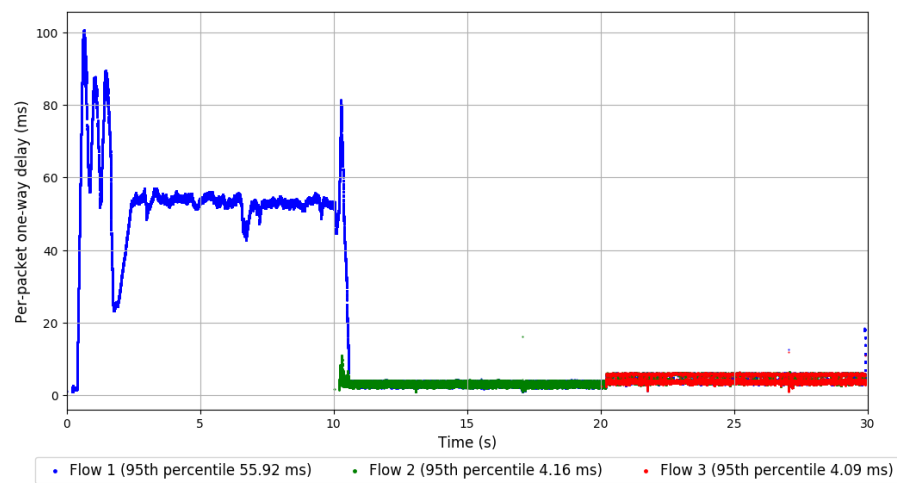
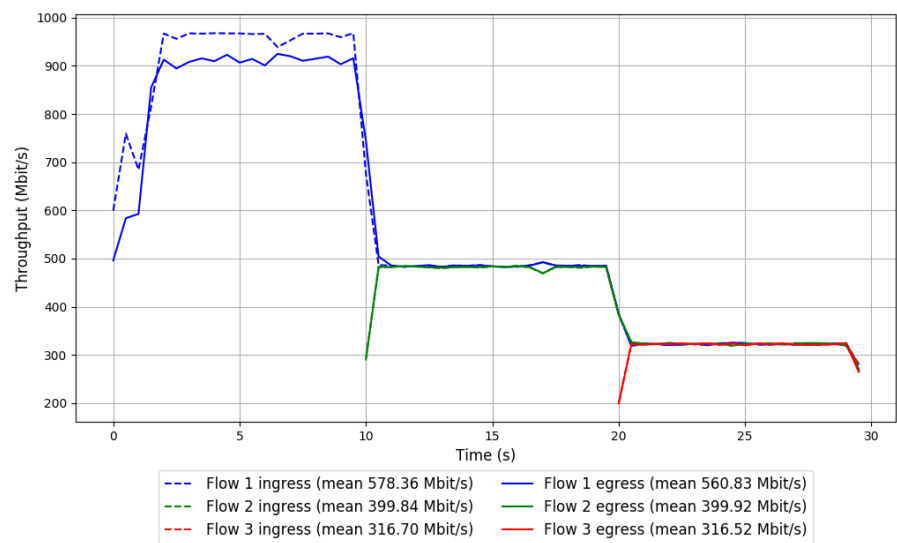


Run 1: Statistics of FillP

Start at: 2018-02-28 00:05:42
End at: 2018-02-28 00:06:12
Local clock offset: 2.104 ms
Remote clock offset: -6.662 ms

Below is generated by plot.py at 2018-02-28 11:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 931.32 Mbit/s
95th percentile per-packet one-way delay: 54.867 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 560.83 Mbit/s
95th percentile per-packet one-way delay: 55.923 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 399.92 Mbit/s
95th percentile per-packet one-way delay: 4.163 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.52 Mbit/s
95th percentile per-packet one-way delay: 4.088 ms
Loss rate: 0.25%

Run 1: Report of FillP — Data Link

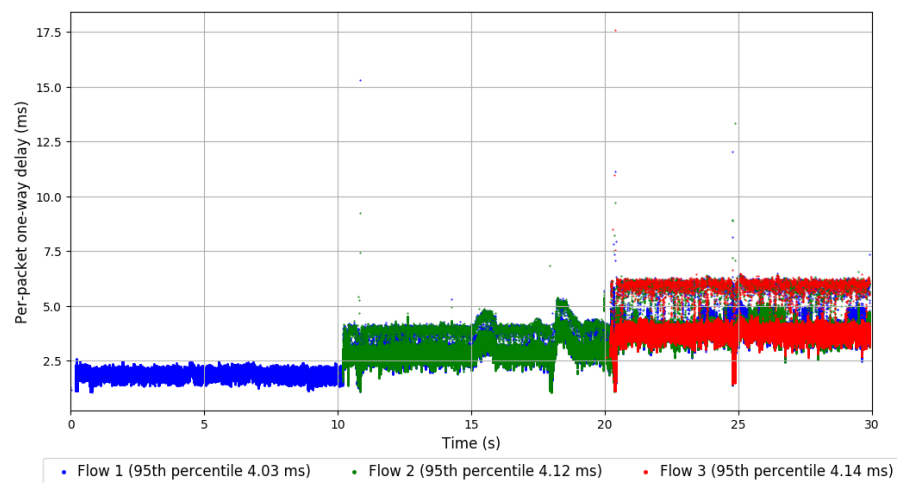
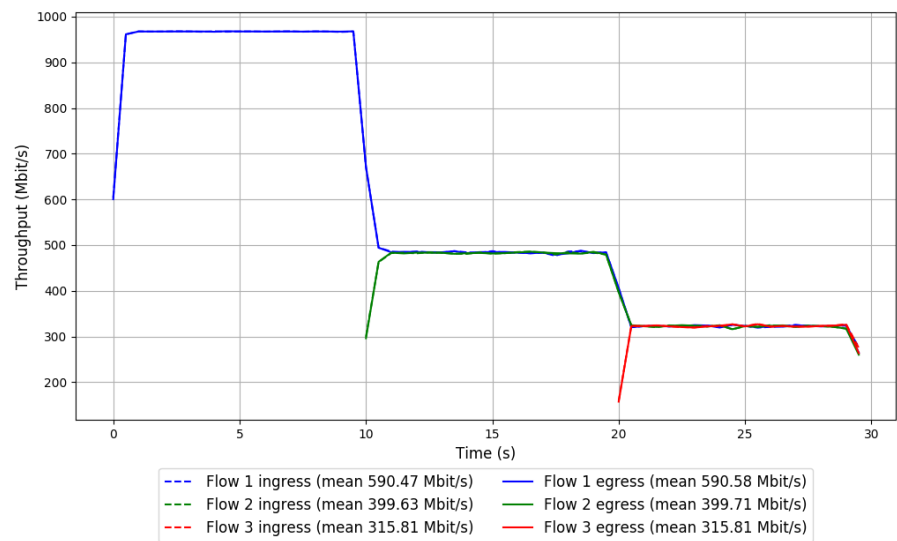


Run 2: Statistics of FillP

Start at: 2018-02-28 00:34:48
End at: 2018-02-28 00:35:18
Local clock offset: -0.411 ms
Remote clock offset: -4.594 ms

Below is generated by plot.py at 2018-02-28 11:45:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.56 Mbit/s
95th percentile per-packet one-way delay: 4.084 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 590.58 Mbit/s
95th percentile per-packet one-way delay: 4.027 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.71 Mbit/s
95th percentile per-packet one-way delay: 4.119 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.81 Mbit/s
95th percentile per-packet one-way delay: 4.140 ms
Loss rate: 0.23%

Run 2: Report of FillP — Data Link

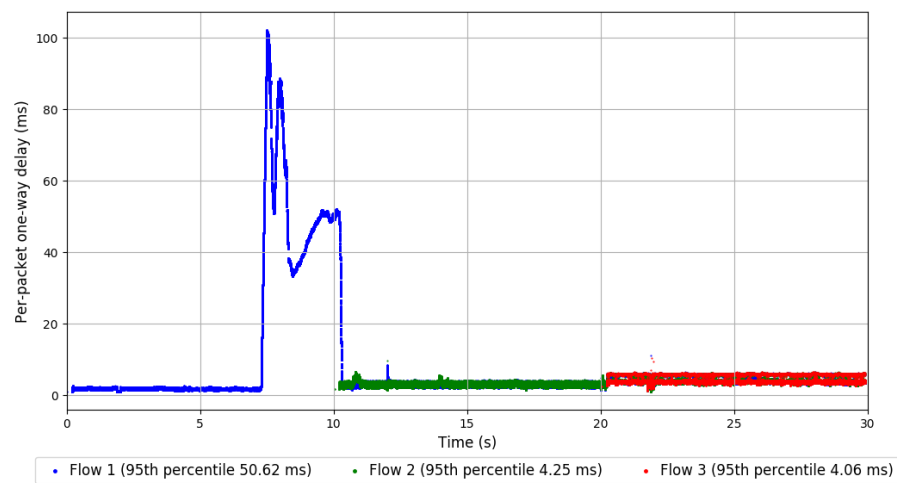
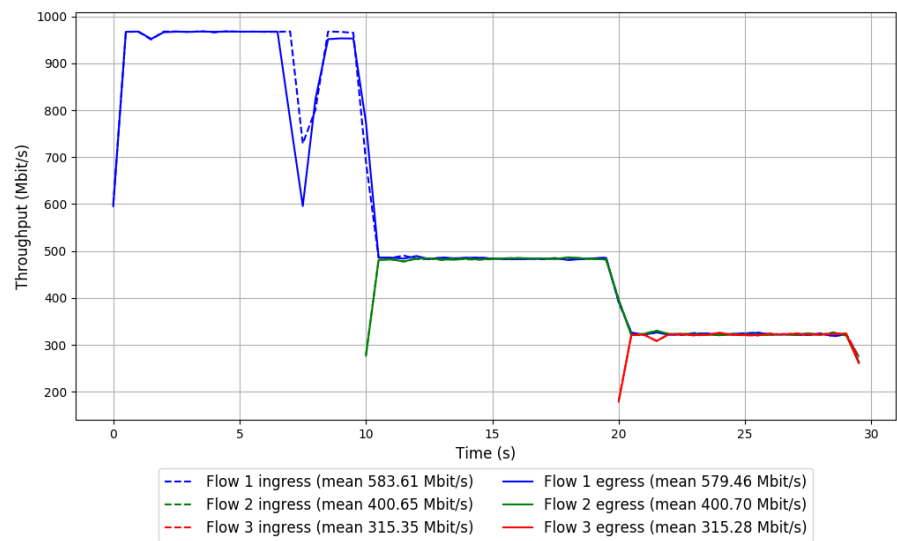


Run 3: Statistics of FillP

Start at: 2018-02-28 01:03:46
End at: 2018-02-28 01:04:16
Local clock offset: -0.41 ms
Remote clock offset: -5.372 ms

Below is generated by plot.py at 2018-02-28 11:45:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 949.78 Mbit/s
95th percentile per-packet one-way delay: 47.772 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 579.46 Mbit/s
95th percentile per-packet one-way delay: 50.620 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 400.70 Mbit/s
95th percentile per-packet one-way delay: 4.251 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.28 Mbit/s
95th percentile per-packet one-way delay: 4.064 ms
Loss rate: 0.23%

Run 3: Report of FillP — Data Link

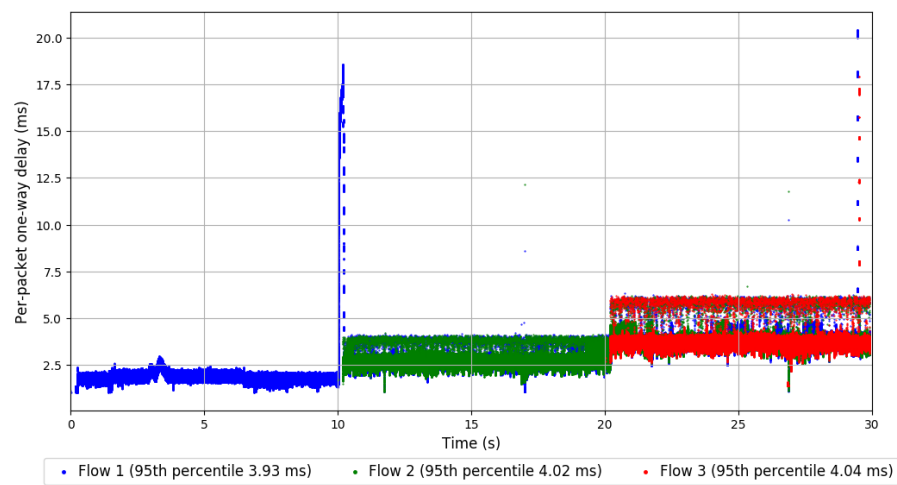
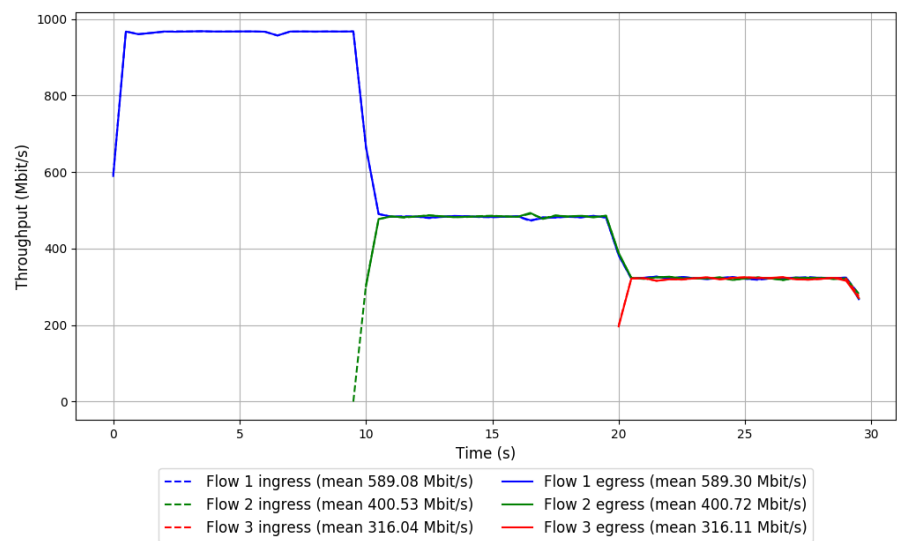


Run 4: Statistics of FillP

Start at: 2018-02-28 01:32:51
End at: 2018-02-28 01:33:21
Local clock offset: -0.461 ms
Remote clock offset: -6.167 ms

Below is generated by plot.py at 2018-02-28 11:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.50 Mbit/s
95th percentile per-packet one-way delay: 3.987 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.30 Mbit/s
95th percentile per-packet one-way delay: 3.934 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.72 Mbit/s
95th percentile per-packet one-way delay: 4.018 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.11 Mbit/s
95th percentile per-packet one-way delay: 4.035 ms
Loss rate: 0.21%

Run 4: Report of FillP — Data Link

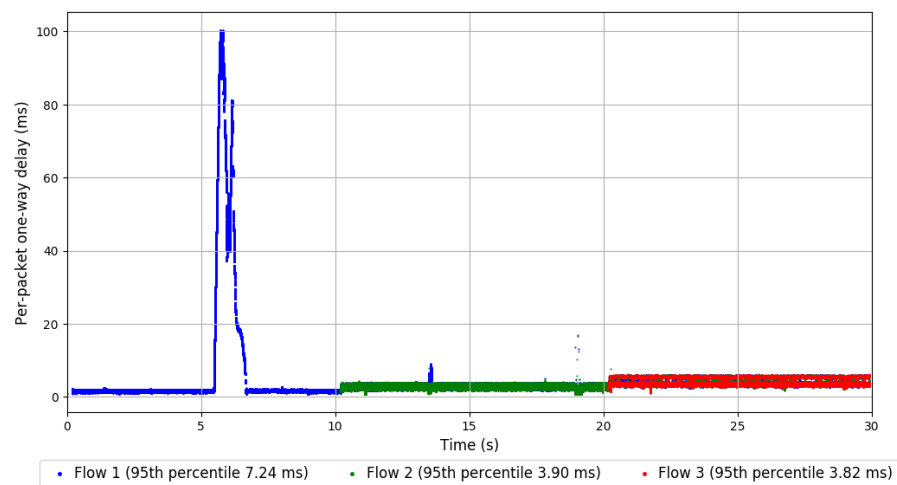
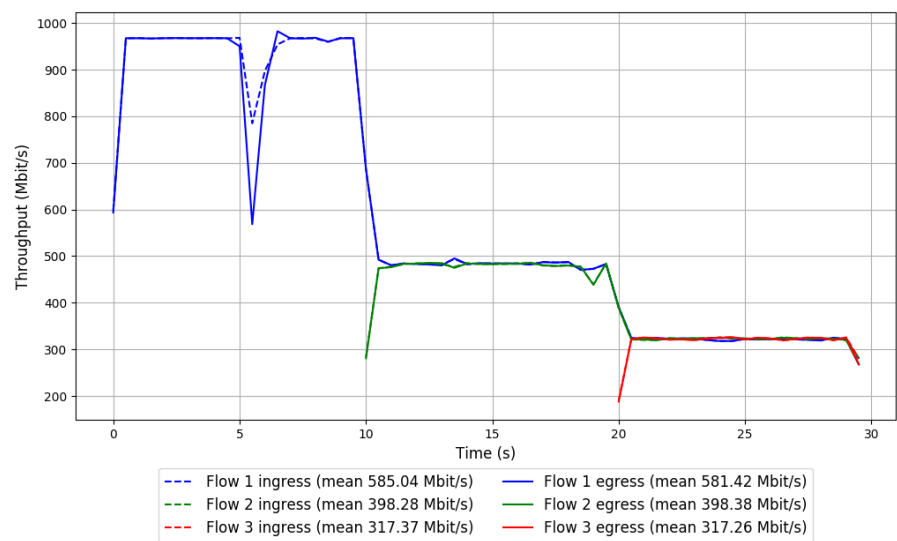


Run 5: Statistics of FillP

Start at: 2018-02-28 02:02:08
End at: 2018-02-28 02:02:38
Local clock offset: 0.687 ms
Remote clock offset: -6.396 ms

Below is generated by plot.py at 2018-02-28 11:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 951.11 Mbit/s
95th percentile per-packet one-way delay: 4.008 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 581.42 Mbit/s
95th percentile per-packet one-way delay: 7.244 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 398.38 Mbit/s
95th percentile per-packet one-way delay: 3.903 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.26 Mbit/s
95th percentile per-packet one-way delay: 3.821 ms
Loss rate: 0.24%

Run 5: Report of FillP — Data Link

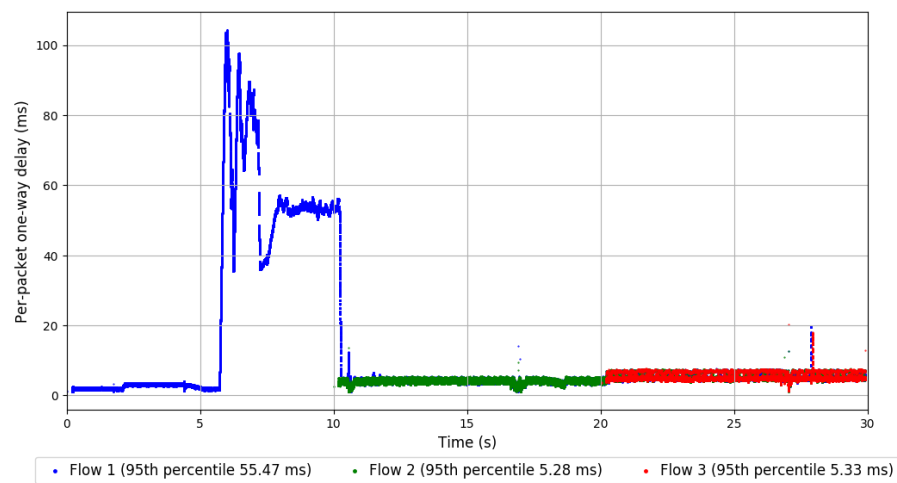
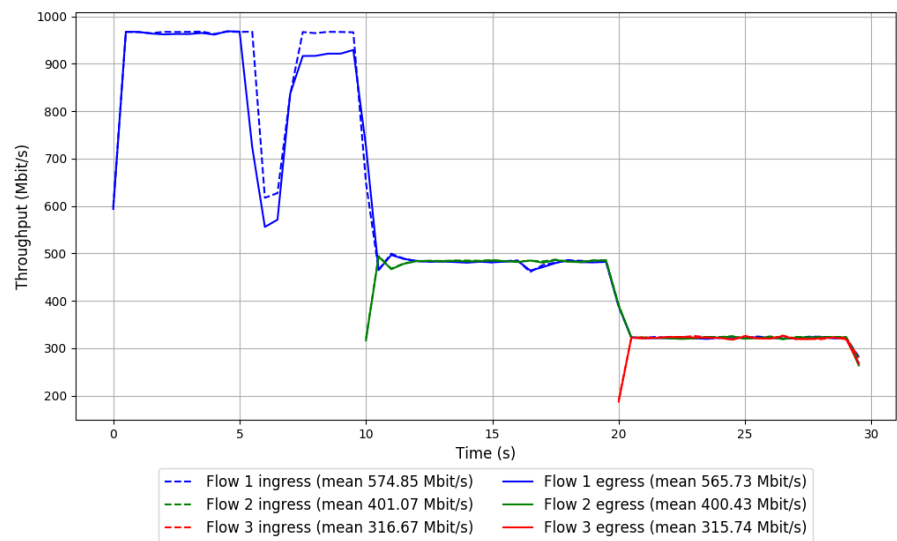


Run 6: Statistics of FillP

Start at: 2018-02-28 02:31:30
End at: 2018-02-28 02:32:00
Local clock offset: 0.309 ms
Remote clock offset: -6.395 ms

Below is generated by plot.py at 2018-02-28 11:48:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 936.36 Mbit/s
95th percentile per-packet one-way delay: 54.089 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 565.73 Mbit/s
95th percentile per-packet one-way delay: 55.470 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 400.43 Mbit/s
95th percentile per-packet one-way delay: 5.284 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 315.74 Mbit/s
95th percentile per-packet one-way delay: 5.330 ms
Loss rate: 0.44%

Run 6: Report of FillP — Data Link

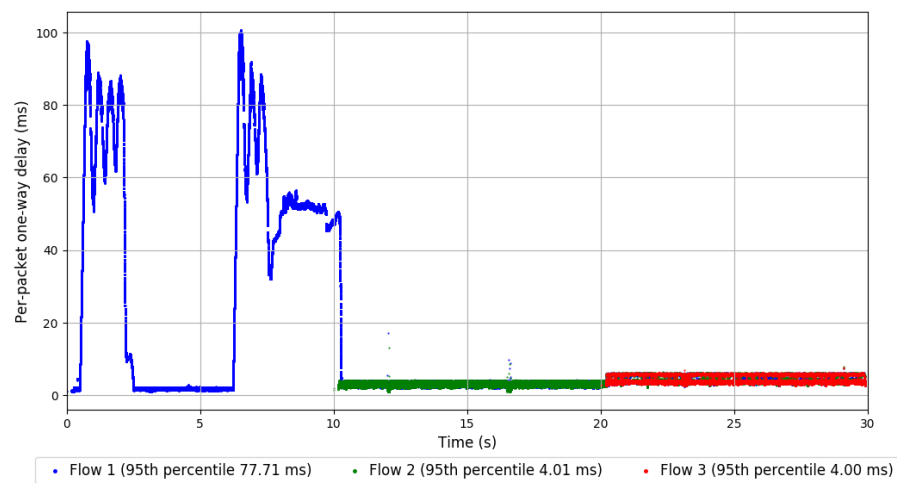
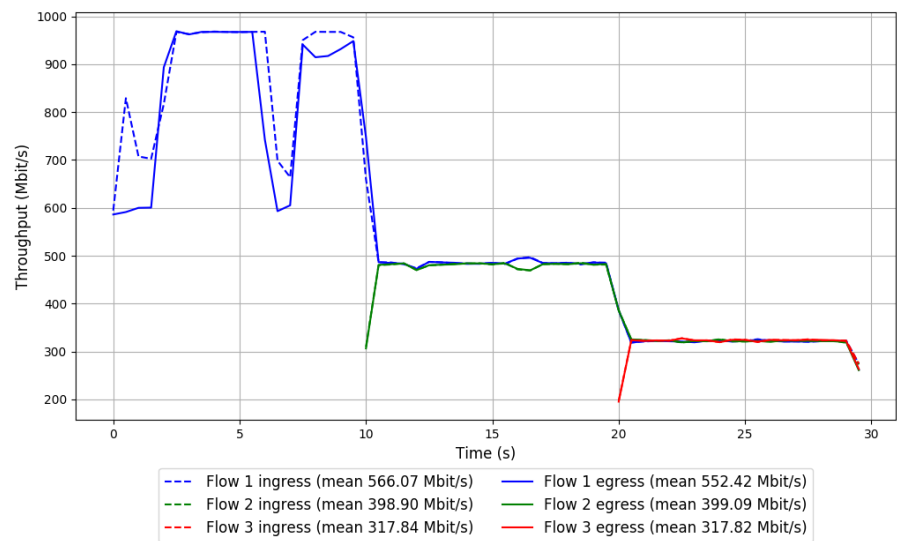


Run 7: Statistics of FillP

Start at: 2018-02-28 03:00:53
End at: 2018-02-28 03:01:23
Local clock offset: -0.539 ms
Remote clock offset: -6.284 ms

Below is generated by plot.py at 2018-02-28 11:48:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 922.98 Mbit/s
95th percentile per-packet one-way delay: 62.065 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 552.42 Mbit/s
95th percentile per-packet one-way delay: 77.714 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 399.09 Mbit/s
95th percentile per-packet one-way delay: 4.012 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.82 Mbit/s
95th percentile per-packet one-way delay: 3.998 ms
Loss rate: 0.23%

Run 7: Report of FillP — Data Link

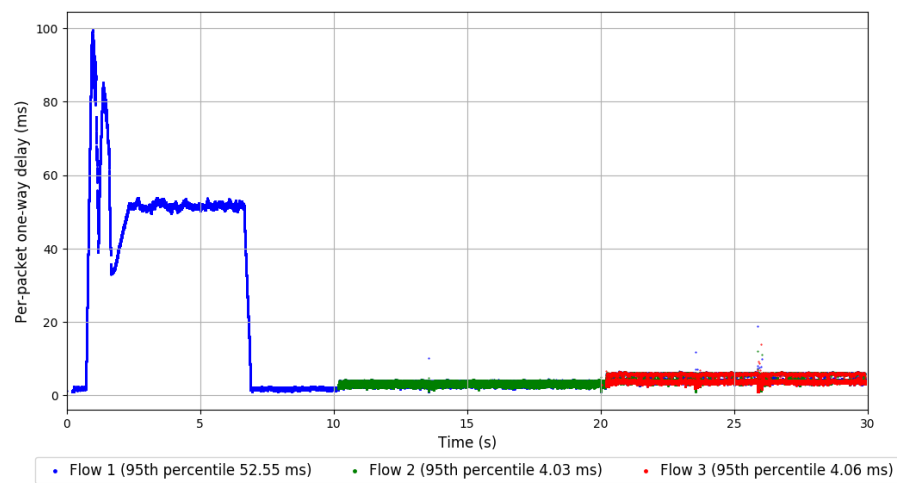
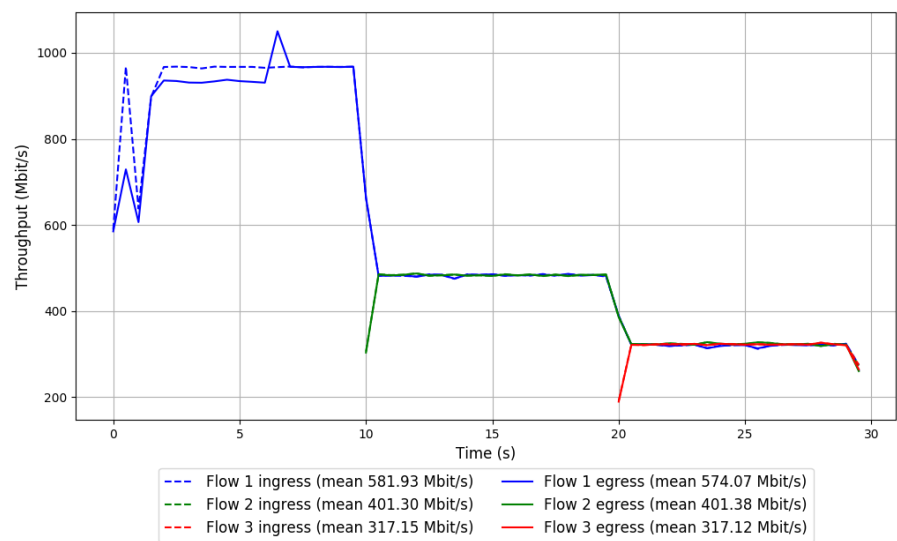


Run 8: Statistics of FillP

Start at: 2018-02-28 03:30:02
End at: 2018-02-28 03:30:32
Local clock offset: -0.489 ms
Remote clock offset: -6.255 ms

Below is generated by plot.py at 2018-02-28 11:49:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 945.84 Mbit/s
95th percentile per-packet one-way delay: 52.109 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 574.07 Mbit/s
95th percentile per-packet one-way delay: 52.547 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 401.38 Mbit/s
95th percentile per-packet one-way delay: 4.027 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.12 Mbit/s
95th percentile per-packet one-way delay: 4.057 ms
Loss rate: 0.21%

Run 8: Report of FillP — Data Link

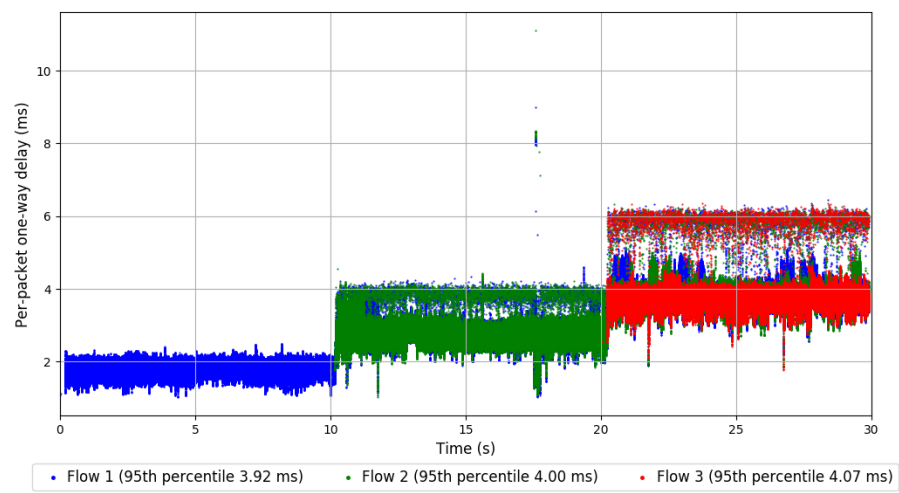
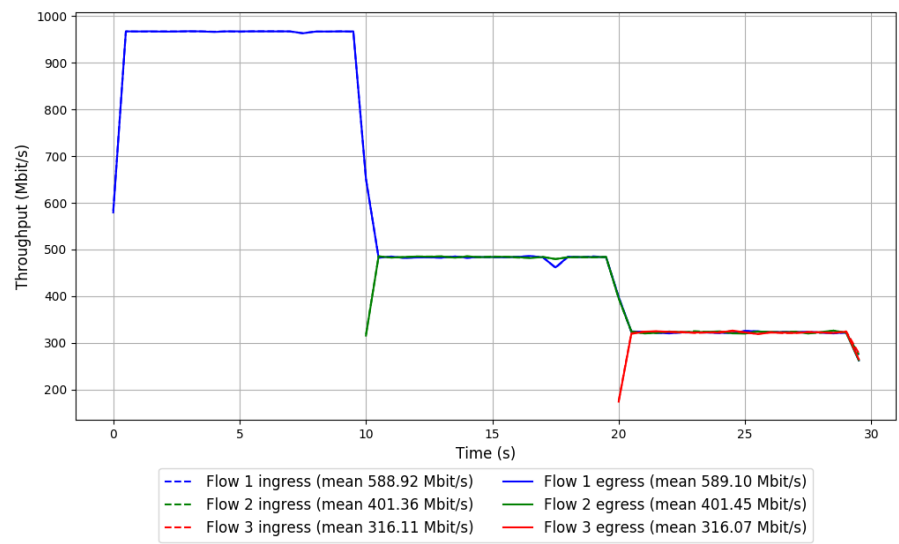


Run 9: Statistics of FillP

Start at: 2018-02-28 03:59:18
End at: 2018-02-28 03:59:48
Local clock offset: -0.382 ms
Remote clock offset: -6.277 ms

Below is generated by plot.py at 2018-02-28 11:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.36 Mbit/s
95th percentile per-packet one-way delay: 3.984 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.10 Mbit/s
95th percentile per-packet one-way delay: 3.918 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.45 Mbit/s
95th percentile per-packet one-way delay: 4.004 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.07 Mbit/s
95th percentile per-packet one-way delay: 4.072 ms
Loss rate: 0.25%

Run 9: Report of FillP — Data Link

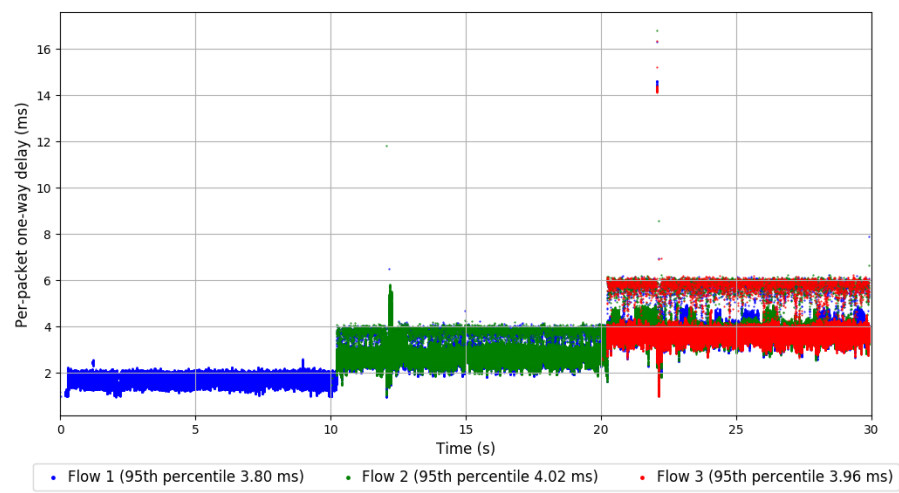
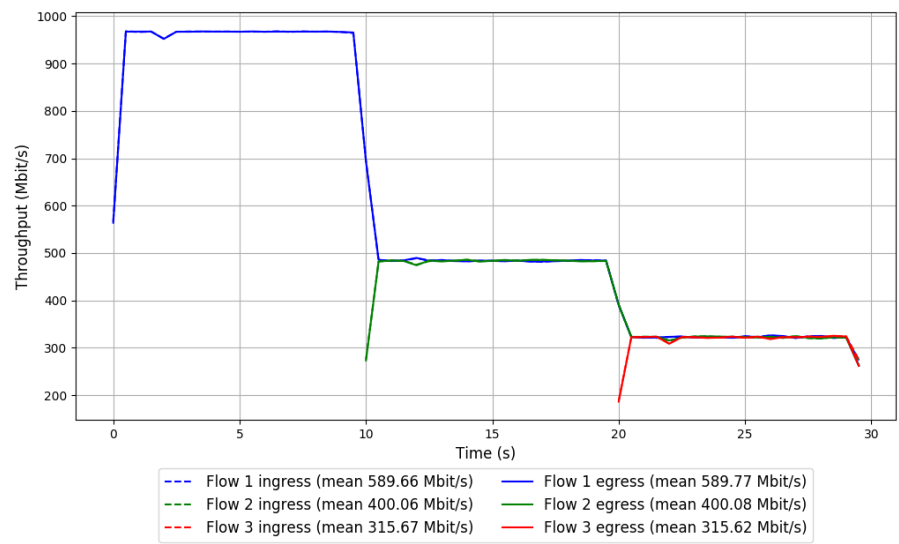


Run 10: Statistics of FillP

Start at: 2018-02-28 04:28:23
End at: 2018-02-28 04:28:53
Local clock offset: 2.109 ms
Remote clock offset: -5.135 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.89 Mbit/s
95th percentile per-packet one-way delay: 3.909 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.77 Mbit/s
95th percentile per-packet one-way delay: 3.802 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.08 Mbit/s
95th percentile per-packet one-way delay: 4.017 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.62 Mbit/s
95th percentile per-packet one-way delay: 3.964 ms
Loss rate: 0.25%

Run 10: Report of FillP — Data Link

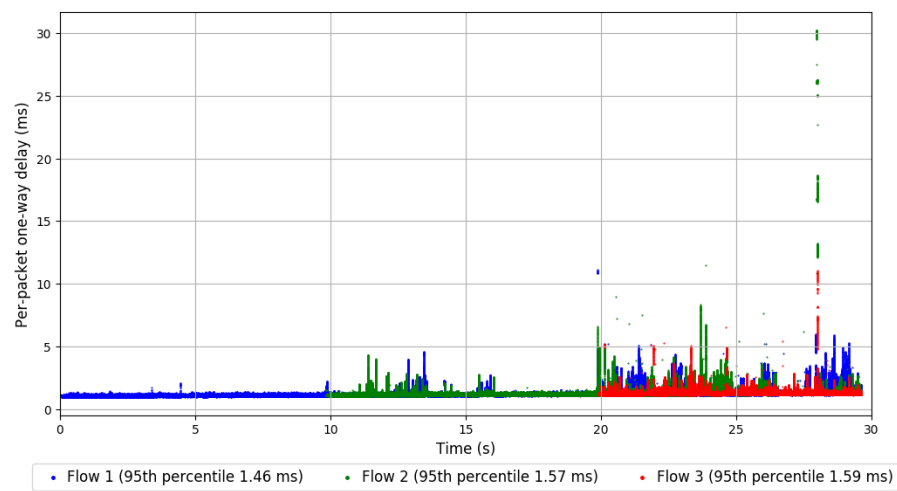
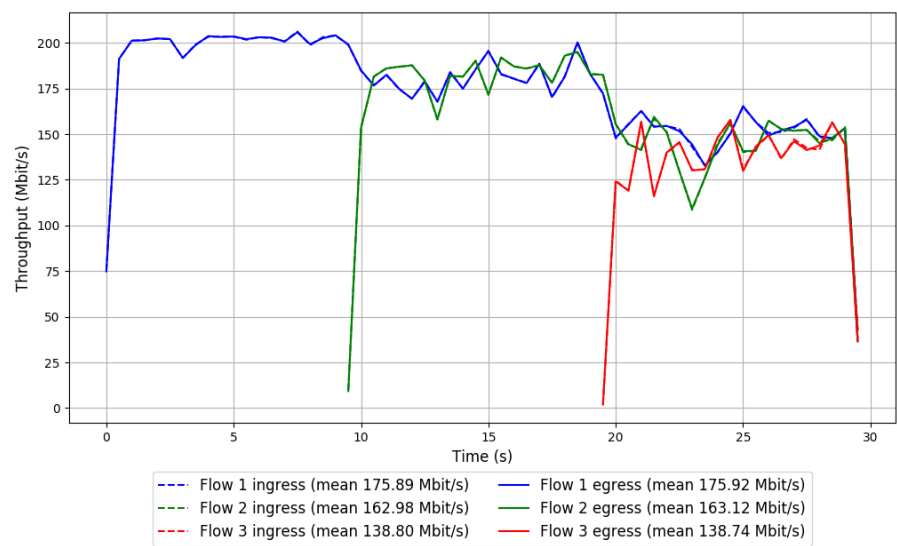


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-28 00:09:05
End at: 2018-02-28 00:09:35
Local clock offset: 1.5 ms
Remote clock offset: -6.382 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.34 Mbit/s
95th percentile per-packet one-way delay: 1.527 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 175.92 Mbit/s
95th percentile per-packet one-way delay: 1.459 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 163.12 Mbit/s
95th percentile per-packet one-way delay: 1.572 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 138.74 Mbit/s
95th percentile per-packet one-way delay: 1.594 ms
Loss rate: 0.23%

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

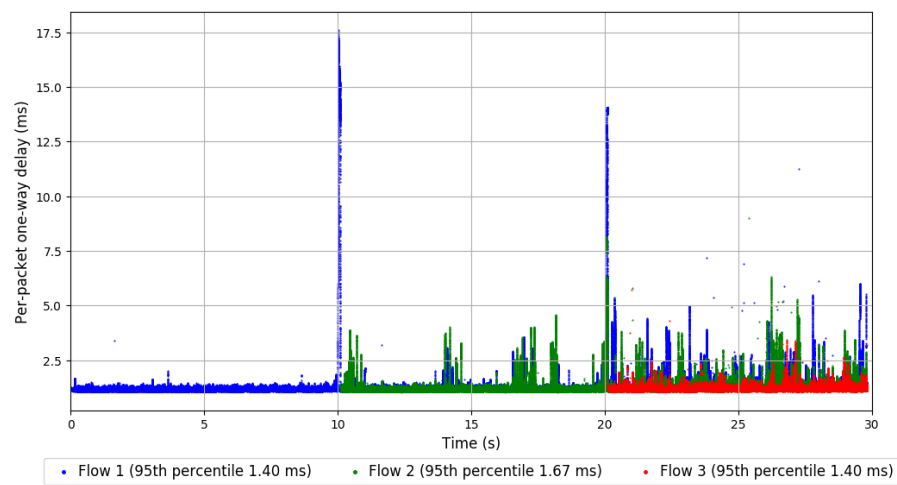
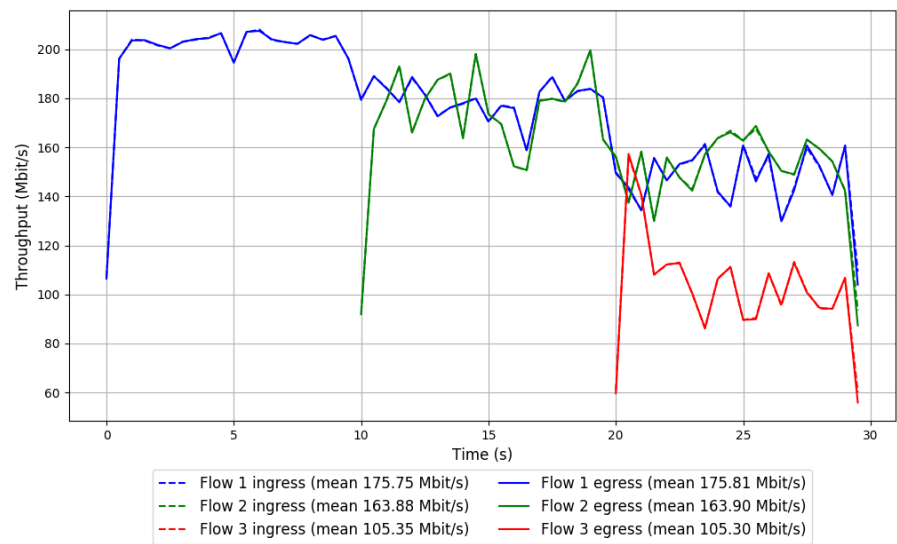


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-28 00:38:12
End at: 2018-02-28 00:38:42
Local clock offset: -0.482 ms
Remote clock offset: -4.462 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.42 Mbit/s
95th percentile per-packet one-way delay: 1.475 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 1.401 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 163.90 Mbit/s
95th percentile per-packet one-way delay: 1.671 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 105.30 Mbit/s
95th percentile per-packet one-way delay: 1.400 ms
Loss rate: 0.20%

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

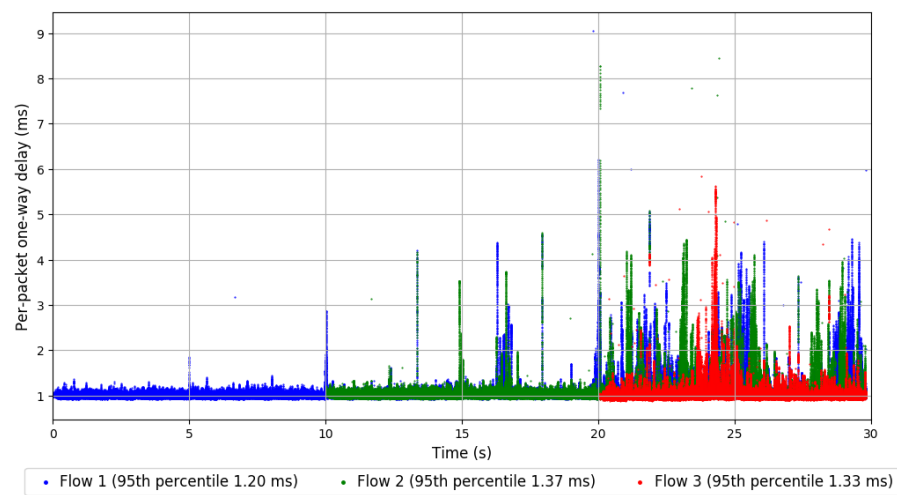
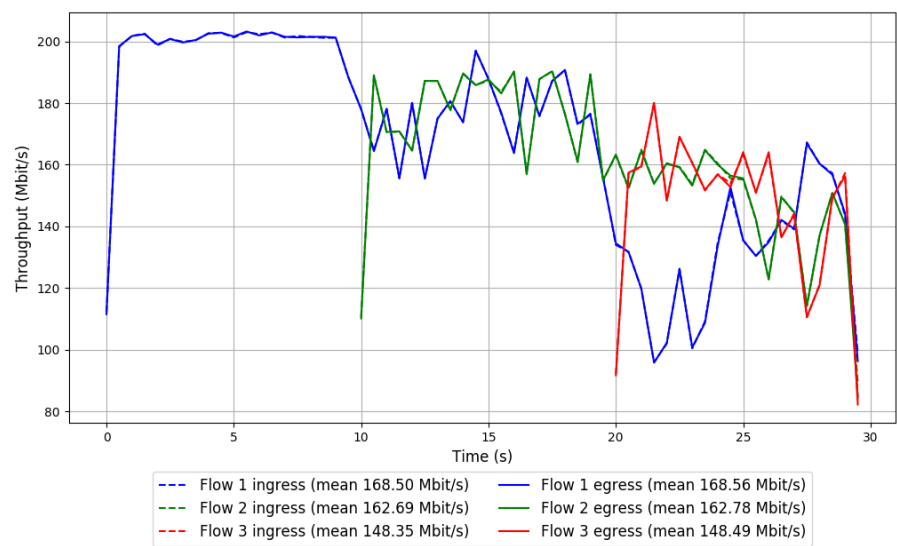


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-28 01:07:08
End at: 2018-02-28 01:07:38
Local clock offset: -0.558 ms
Remote clock offset: -5.458 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.33 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 168.56 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 162.78 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 148.49 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.08%

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

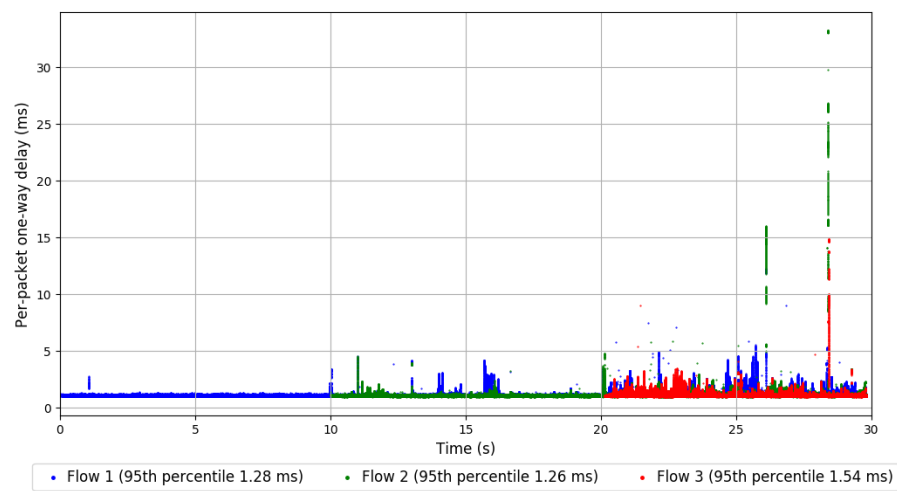
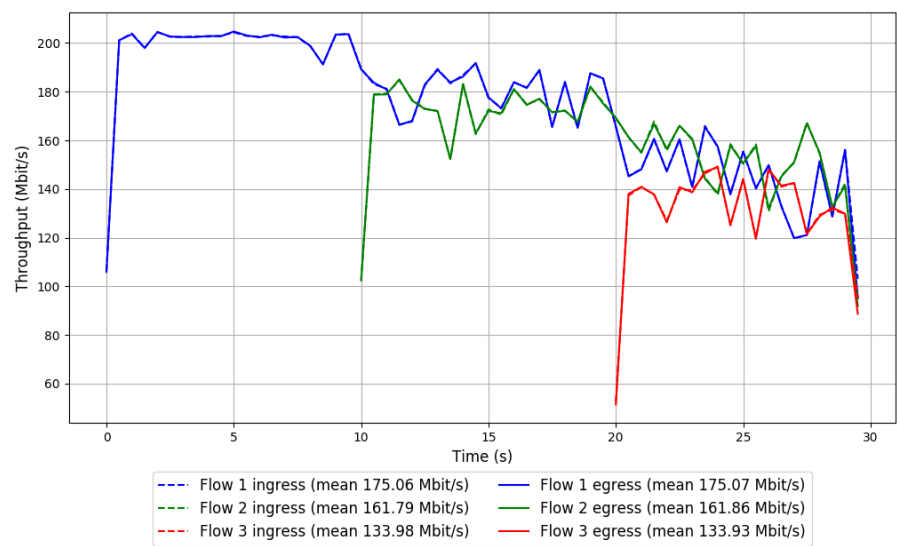


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-28 01:36:19
End at: 2018-02-28 01:36:49
Local clock offset: -0.478 ms
Remote clock offset: -6.216 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.99 Mbit/s
95th percentile per-packet one-way delay: 1.312 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 175.07 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 161.86 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 133.93 Mbit/s
95th percentile per-packet one-way delay: 1.540 ms
Loss rate: 0.26%

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

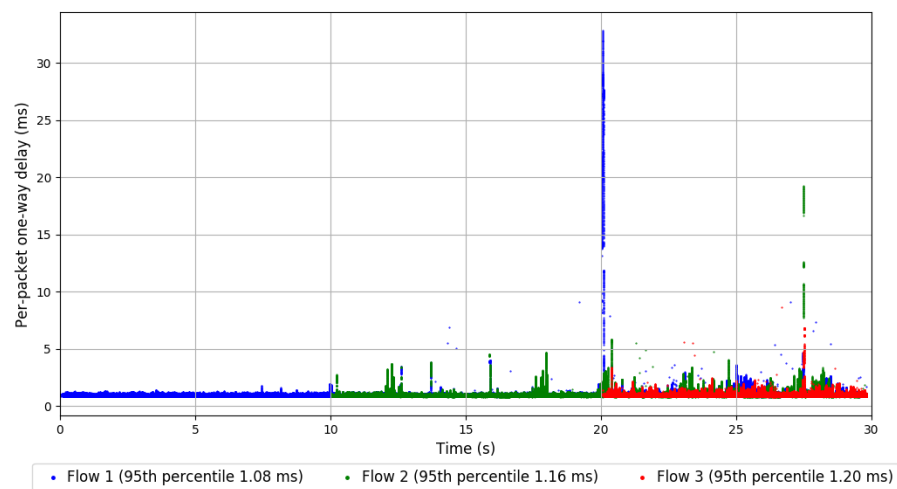
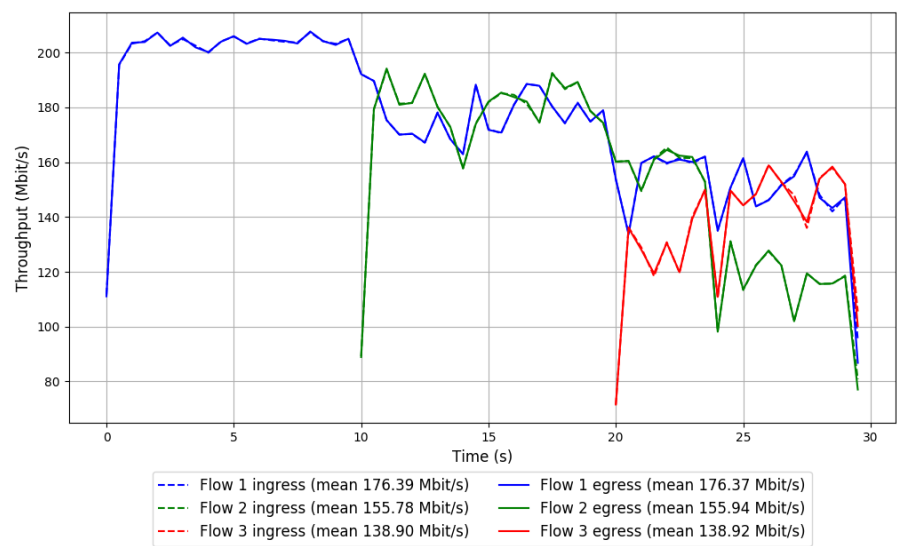


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-28 02:05:33
End at: 2018-02-28 02:06:03
Local clock offset: 0.853 ms
Remote clock offset: -6.386 ms

```
# Below is generated by plot.py at 2018-02-28 12:00:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 325.20 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 176.37 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 155.94 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 138.92 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.21%
```

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

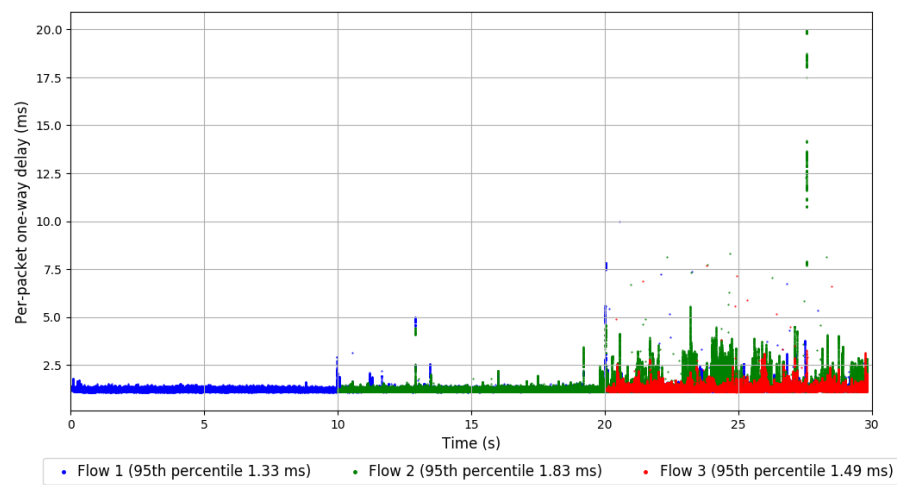
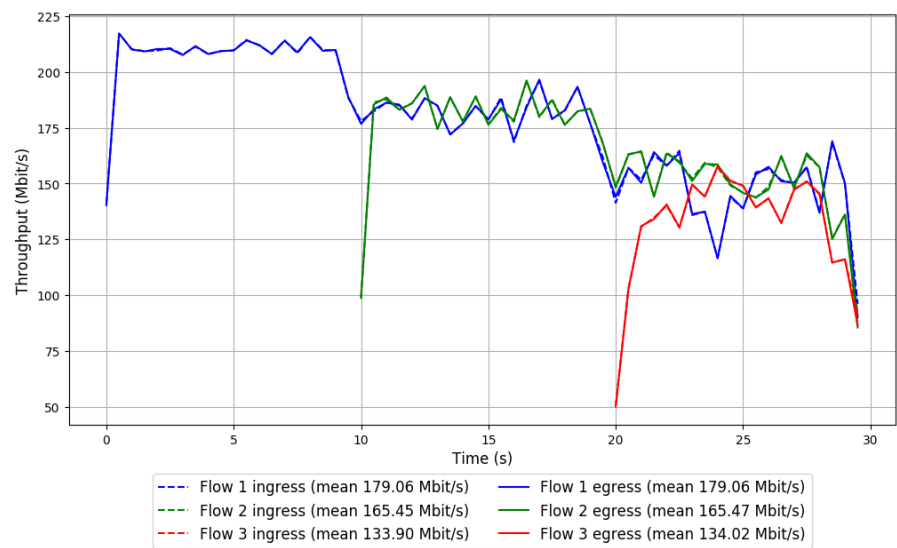


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-28 02:35:06
End at: 2018-02-28 02:35:36
Local clock offset: 0.017 ms
Remote clock offset: -6.364 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.87 Mbit/s
95th percentile per-packet one-way delay: 1.462 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 179.06 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 165.47 Mbit/s
95th percentile per-packet one-way delay: 1.827 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 134.02 Mbit/s
95th percentile per-packet one-way delay: 1.489 ms
Loss rate: 0.15%

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

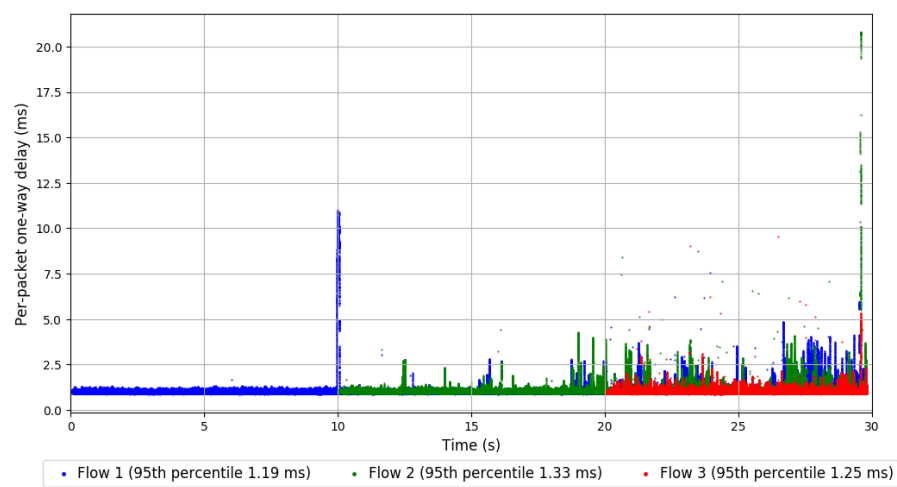
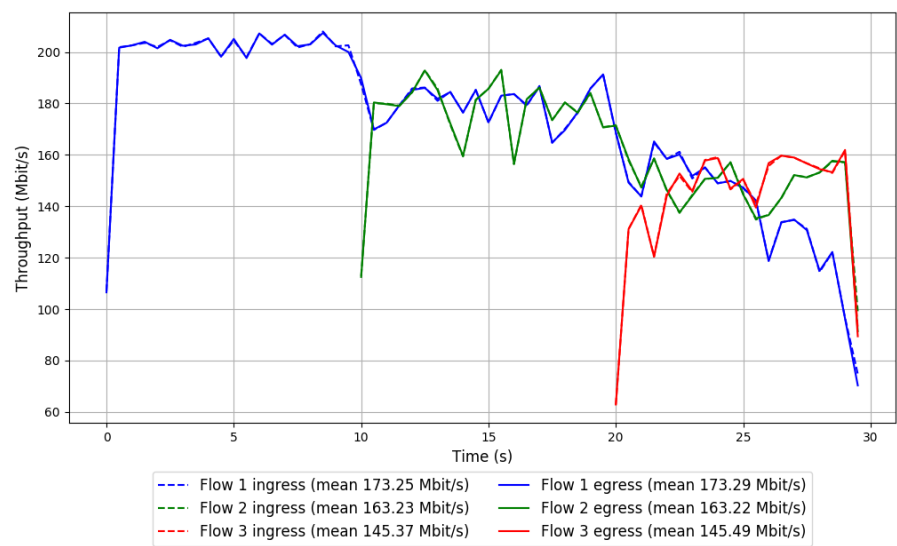


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-28 03:04:20
End at: 2018-02-28 03:04:50
Local clock offset: -0.511 ms
Remote clock offset: -6.164 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.29 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 173.29 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 163.22 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 145.49 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.10%

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

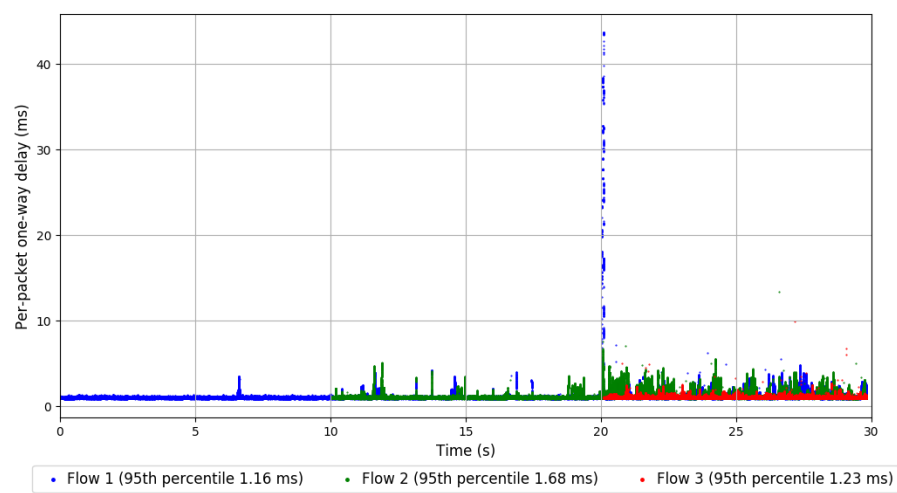
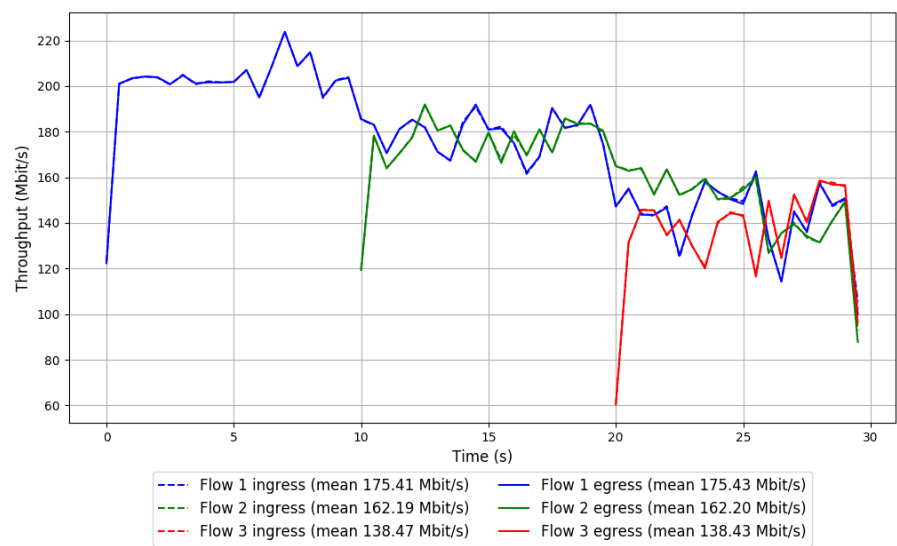


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-28 03:33:29
End at: 2018-02-28 03:33:59
Local clock offset: -0.477 ms
Remote clock offset: -6.144 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.20 Mbit/s
95th percentile per-packet one-way delay: 1.295 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.43 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 162.20 Mbit/s
95th percentile per-packet one-way delay: 1.676 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 138.43 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.22%

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

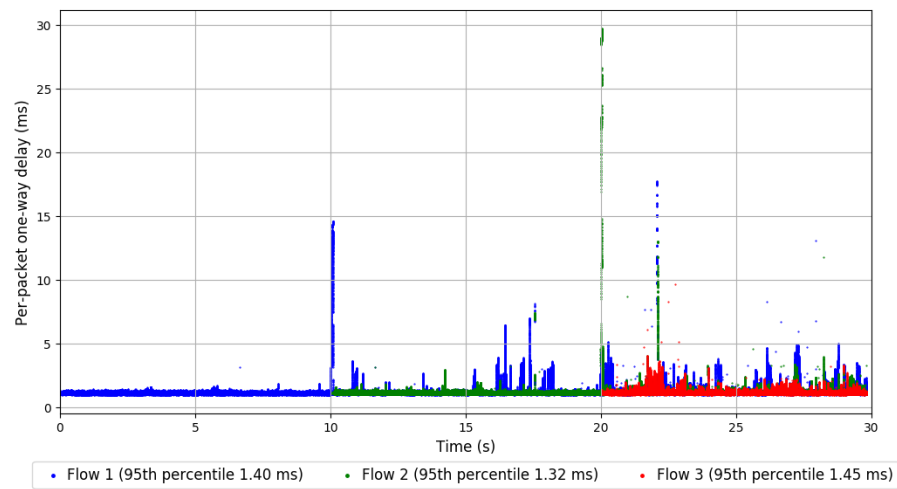
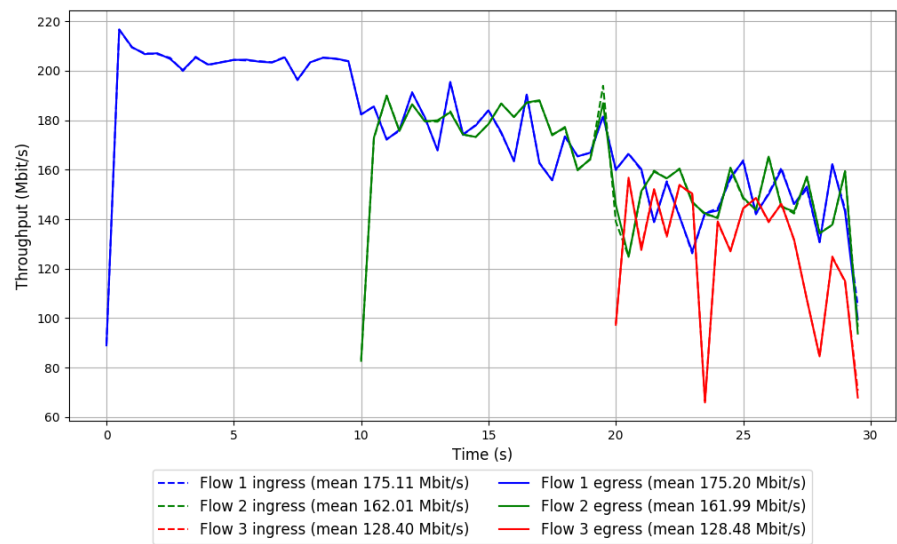


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-28 04:02:38
End at: 2018-02-28 04:03:08
Local clock offset: -0.387 ms
Remote clock offset: -6.251 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.63 Mbit/s
95th percentile per-packet one-way delay: 1.373 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 175.20 Mbit/s
95th percentile per-packet one-way delay: 1.400 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 161.99 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 128.48 Mbit/s
95th percentile per-packet one-way delay: 1.448 ms
Loss rate: 0.11%

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

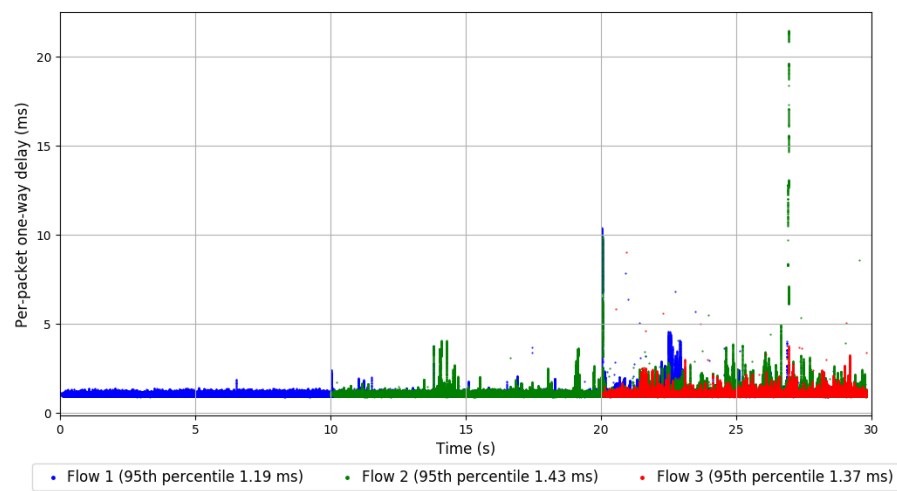
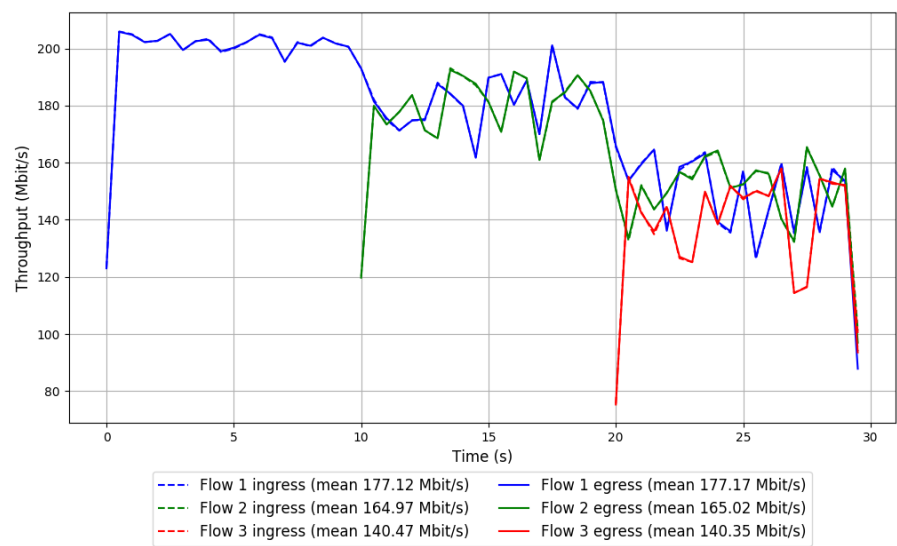


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-28 04:31:47
End at: 2018-02-28 04:32:17
Local clock offset: 2.27 ms
Remote clock offset: -5.051 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.51 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 177.17 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 165.02 Mbit/s
95th percentile per-packet one-way delay: 1.434 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 140.35 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 0.26%

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

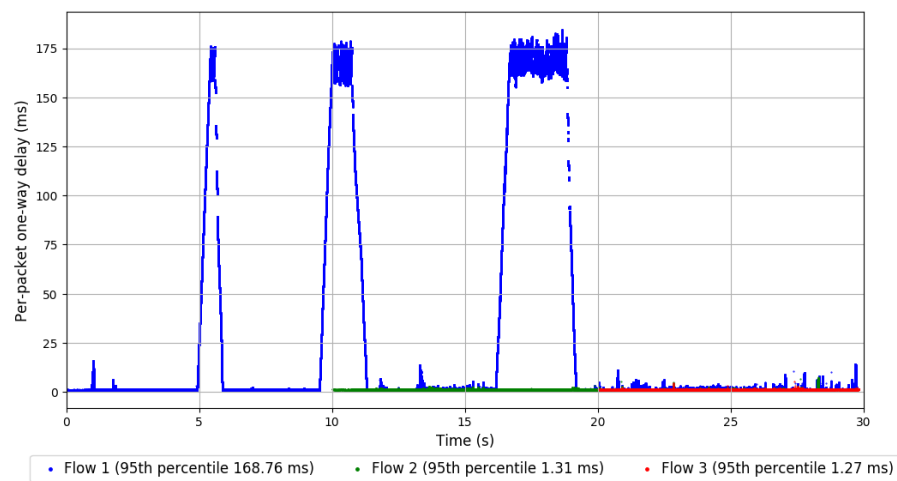
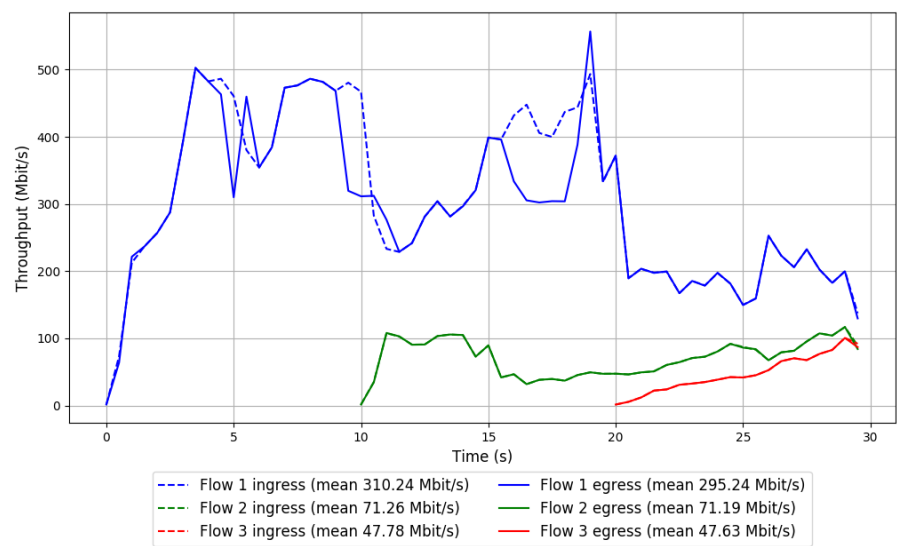


Run 1: Statistics of Vivace-latency

Start at: 2018-02-28 00:07:27
End at: 2018-02-28 00:07:57
Local clock offset: 1.895 ms
Remote clock offset: -6.595 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.23 Mbit/s
95th percentile per-packet one-way delay: 167.040 ms
Loss rate: 4.14%
-- Flow 1:
Average throughput: 295.24 Mbit/s
95th percentile per-packet one-way delay: 168.761 ms
Loss rate: 4.92%
-- Flow 2:
Average throughput: 71.19 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 47.63 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.57%

Run 1: Report of Vivace-latency — Data Link

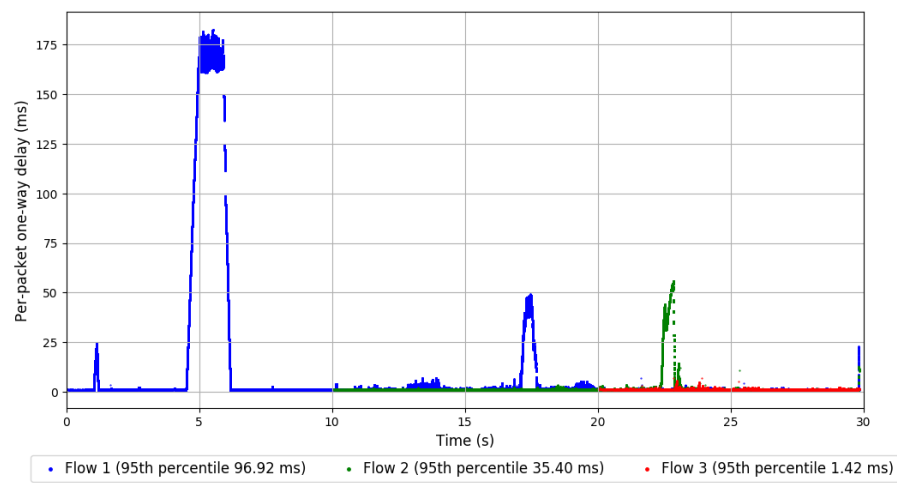
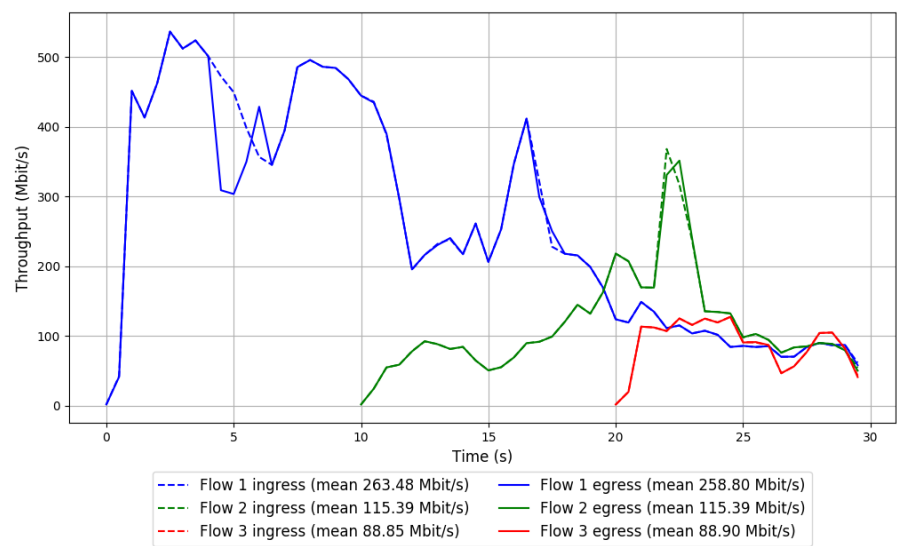


Run 2: Statistics of Vivace-latency

Start at: 2018-02-28 00:36:33
End at: 2018-02-28 00:37:03
Local clock offset: -0.468 ms
Remote clock offset: -4.508 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.70 Mbit/s
95th percentile per-packet one-way delay: 46.635 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 258.80 Mbit/s
95th percentile per-packet one-way delay: 96.918 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 115.39 Mbit/s
95th percentile per-packet one-way delay: 35.402 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 1.424 ms
Loss rate: 0.15%

Run 2: Report of Vivace-latency — Data Link

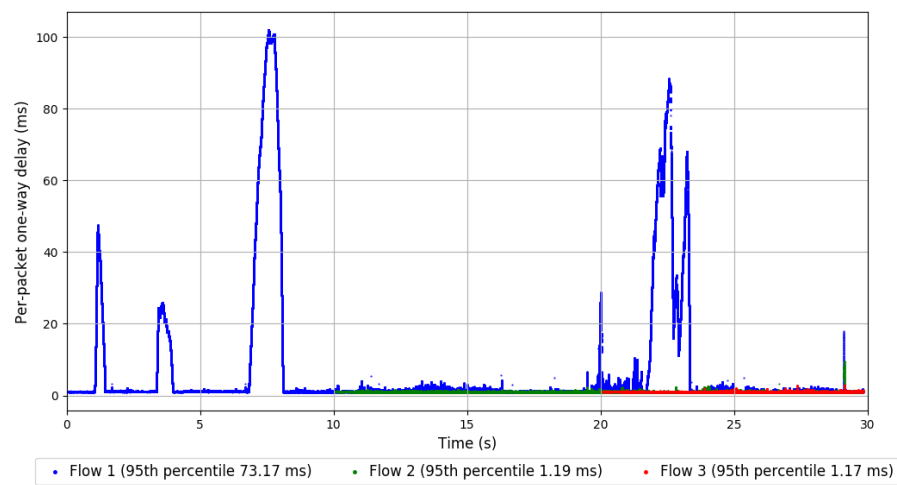
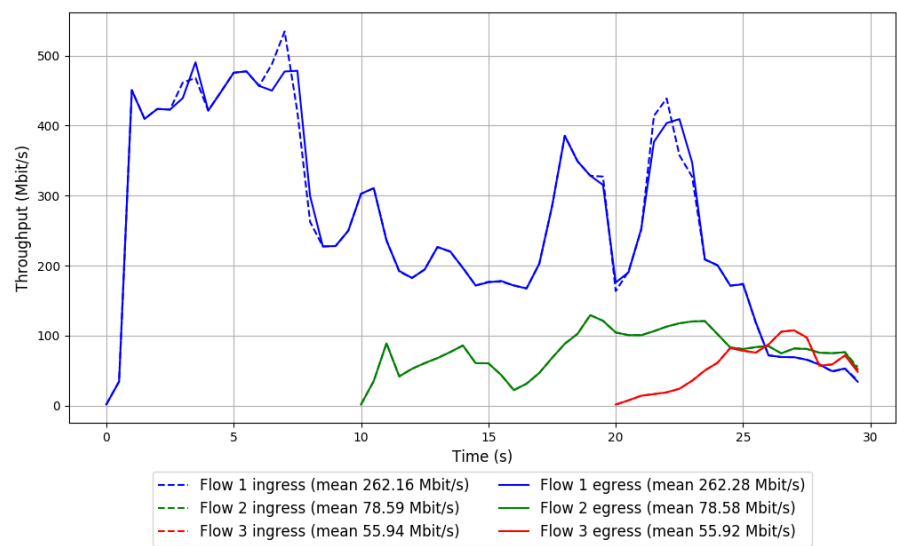


Run 3: Statistics of Vivace-latency

Start at: 2018-02-28 01:05:32
End at: 2018-02-28 01:06:02
Local clock offset: -0.448 ms
Remote clock offset: -5.414 ms

Below is generated by plot.py at 2018-02-28 12:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.83 Mbit/s
95th percentile per-packet one-way delay: 65.177 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 262.28 Mbit/s
95th percentile per-packet one-way delay: 73.168 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.22%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-28 01:34:37

End at: 2018-02-28 01:35:07

Local clock offset: -0.567 ms

Remote clock offset: -6.15 ms

Below is generated by plot.py at 2018-02-28 12:02:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 440.99 Mbit/s

95th percentile per-packet one-way delay: 94.766 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 296.88 Mbit/s

95th percentile per-packet one-way delay: 125.893 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 172.19 Mbit/s

95th percentile per-packet one-way delay: 1.482 ms

Loss rate: 0.04%

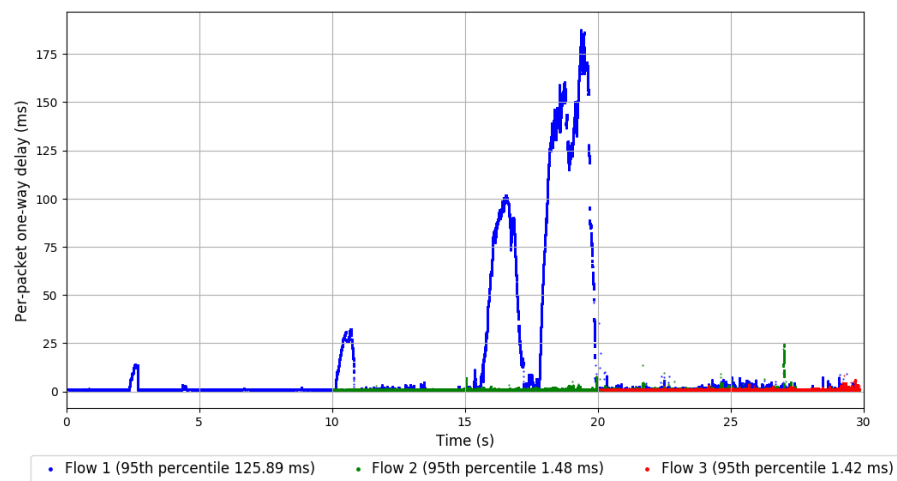
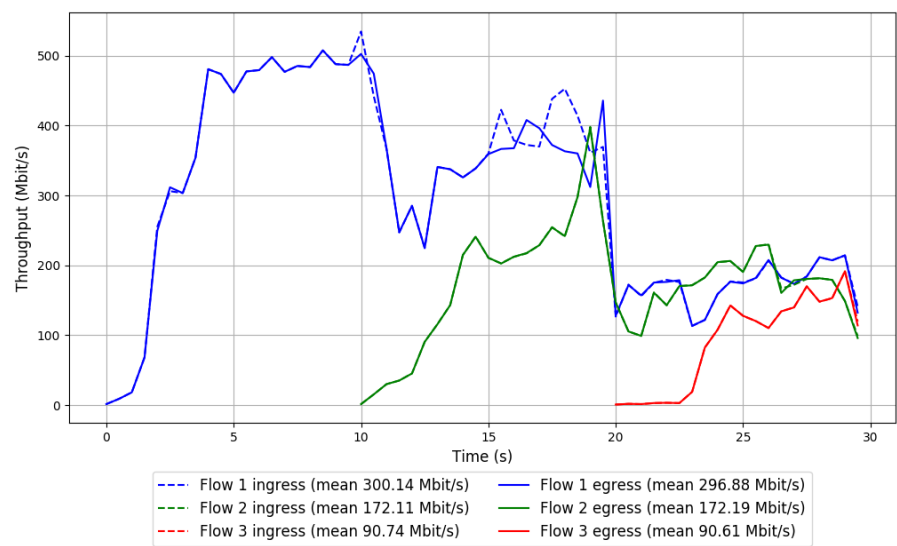
-- Flow 3:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 1.416 ms

Loss rate: 0.32%

Run 4: Report of Vivace-latency — Data Link

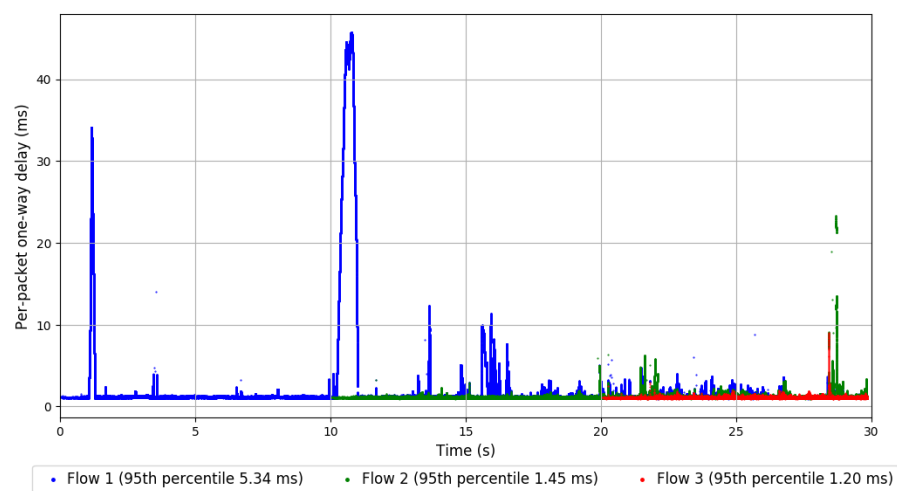
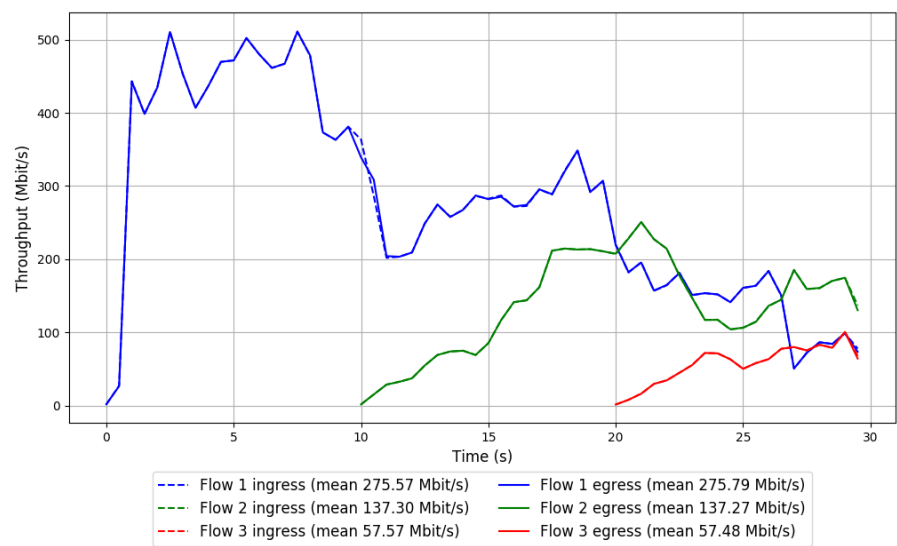


Run 5: Statistics of Vivace-latency

Start at: 2018-02-28 02:03:53
End at: 2018-02-28 02:04:24
Local clock offset: 0.88 ms
Remote clock offset: -6.444 ms

```
# Below is generated by plot.py at 2018-02-28 12:02:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 385.81 Mbit/s
95th percentile per-packet one-way delay: 2.967 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 275.79 Mbit/s
95th percentile per-packet one-way delay: 5.341 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 137.27 Mbit/s
95th percentile per-packet one-way delay: 1.453 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.35%
```

Run 5: Report of Vivace-latency — Data Link

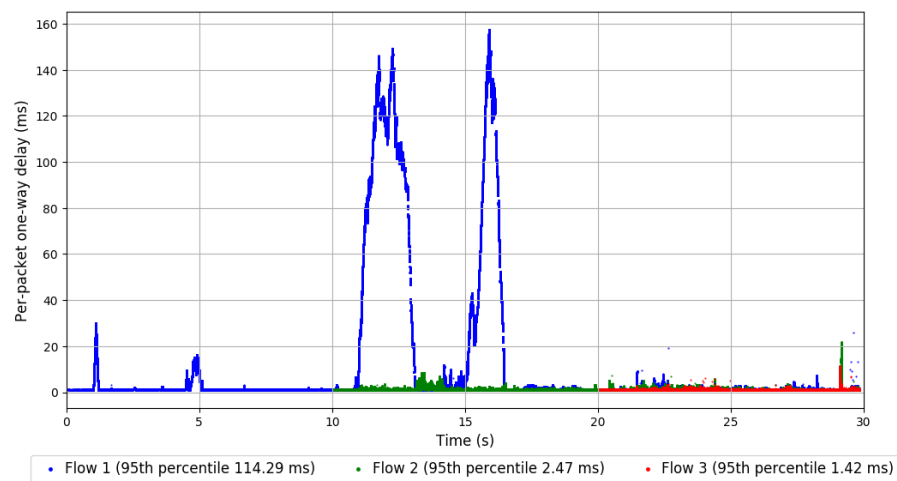
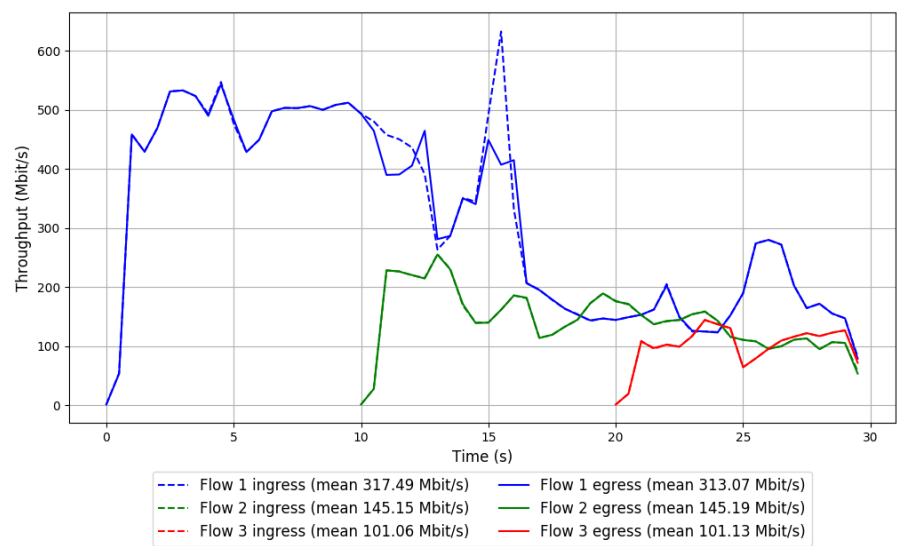


Run 6: Statistics of Vivace-latency

Start at: 2018-02-28 02:33:22
End at: 2018-02-28 02:33:52
Local clock offset: 0.117 ms
Remote clock offset: -6.369 ms

Below is generated by plot.py at 2018-02-28 12:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.78 Mbit/s
95th percentile per-packet one-way delay: 100.263 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 313.07 Mbit/s
95th percentile per-packet one-way delay: 114.293 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 145.19 Mbit/s
95th percentile per-packet one-way delay: 2.467 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 101.13 Mbit/s
95th percentile per-packet one-way delay: 1.415 ms
Loss rate: 0.19%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-28 03:02:38

End at: 2018-02-28 03:03:08

Local clock offset: -0.611 ms

Remote clock offset: -6.28 ms

Below is generated by plot.py at 2018-02-28 12:05:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.78 Mbit/s

95th percentile per-packet one-way delay: 1.655 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 276.51 Mbit/s

95th percentile per-packet one-way delay: 1.443 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 178.82 Mbit/s

95th percentile per-packet one-way delay: 2.129 ms

Loss rate: 0.07%

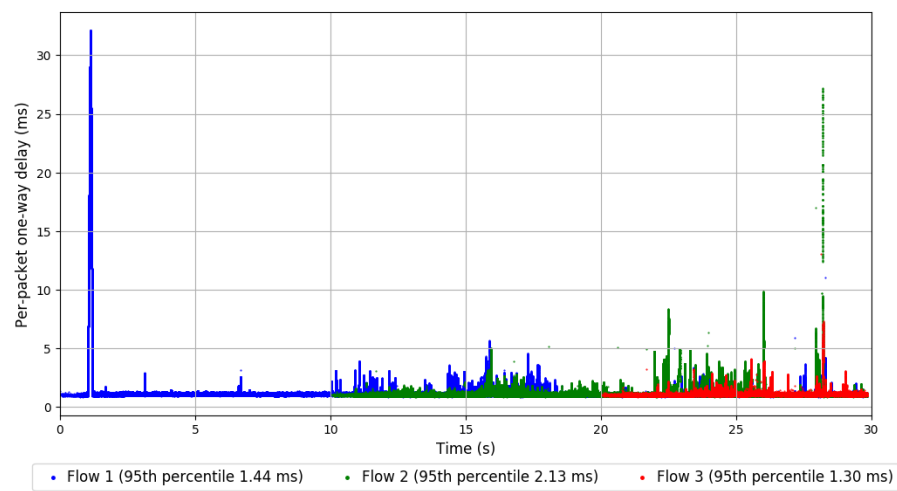
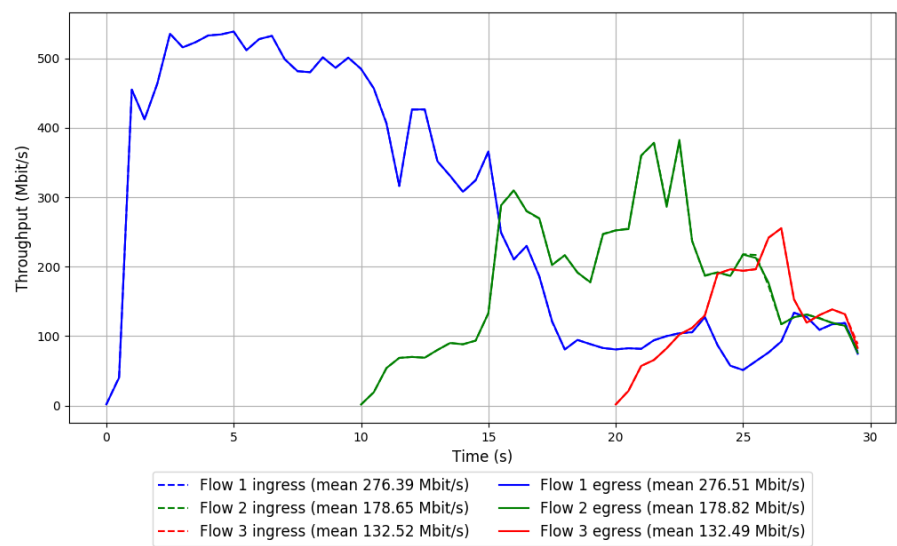
-- Flow 3:

Average throughput: 132.49 Mbit/s

95th percentile per-packet one-way delay: 1.297 ms

Loss rate: 0.22%

Run 7: Report of Vivace-latency — Data Link

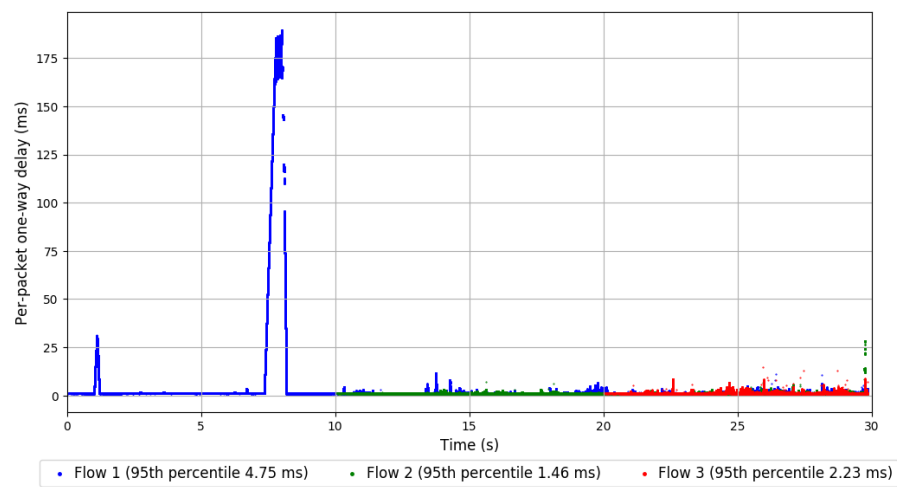
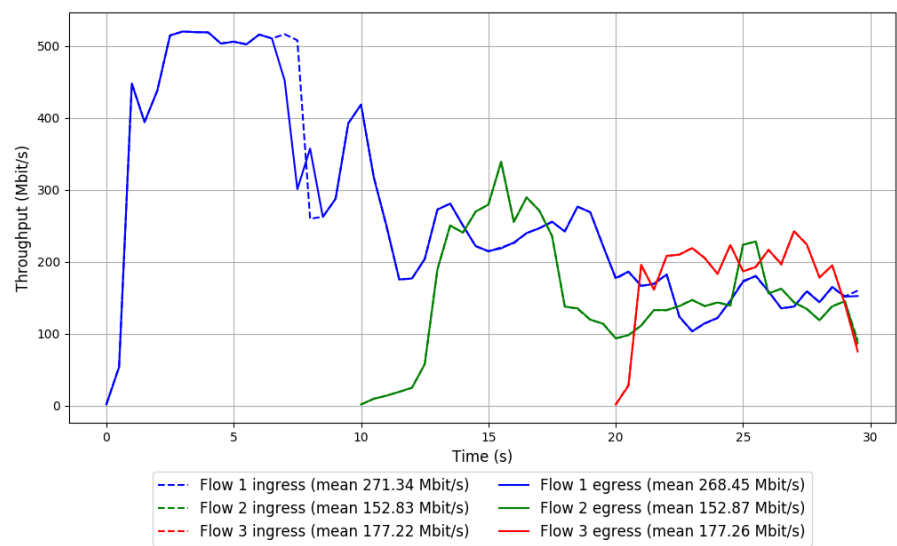


Run 8: Statistics of Vivace-latency

Start at: 2018-02-28 03:31:48
End at: 2018-02-28 03:32:18
Local clock offset: -0.468 ms
Remote clock offset: -6.205 ms

Below is generated by plot.py at 2018-02-28 12:05:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.31 Mbit/s
95th percentile per-packet one-way delay: 2.394 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 268.45 Mbit/s
95th percentile per-packet one-way delay: 4.746 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 152.87 Mbit/s
95th percentile per-packet one-way delay: 1.455 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 177.26 Mbit/s
95th percentile per-packet one-way delay: 2.230 ms
Loss rate: 0.12%

Run 8: Report of Vivace-latency — Data Link

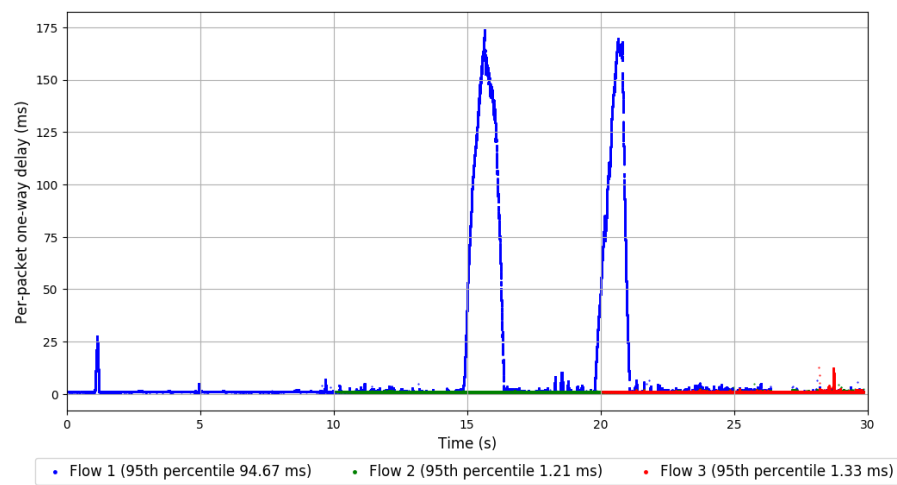
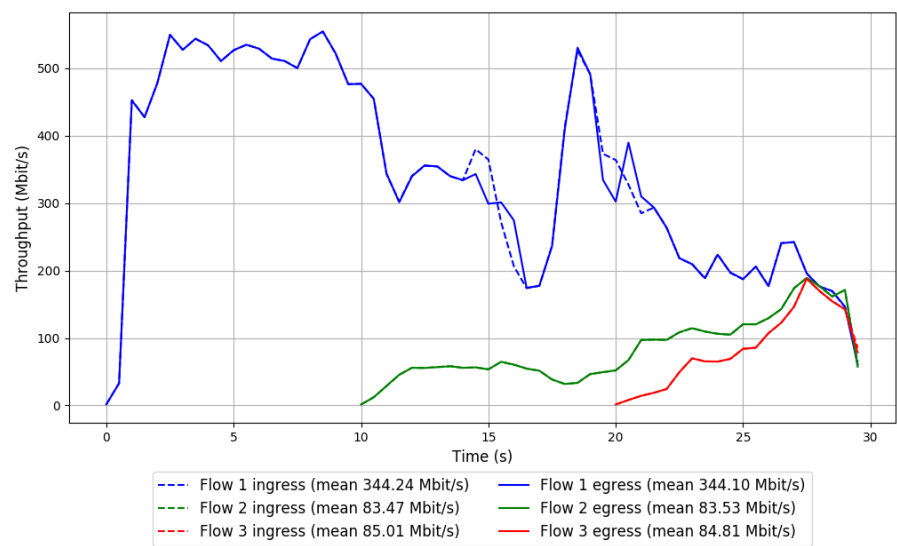


Run 9: Statistics of Vivace-latency

Start at: 2018-02-28 04:00:56
End at: 2018-02-28 04:01:26
Local clock offset: -0.452 ms
Remote clock offset: -6.268 ms

Below is generated by plot.py at 2018-02-28 12:06:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.38 Mbit/s
95th percentile per-packet one-way delay: 68.106 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 344.10 Mbit/s
95th percentile per-packet one-way delay: 94.672 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.44%

Run 9: Report of Vivace-latency — Data Link

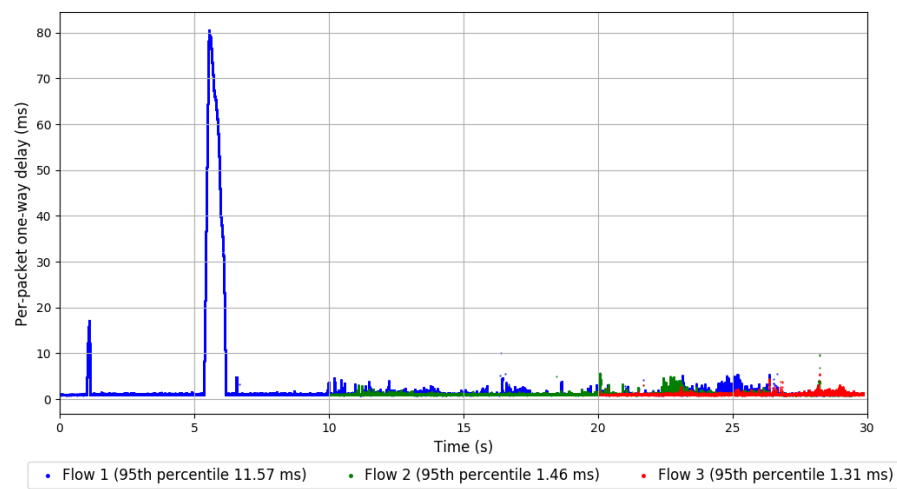
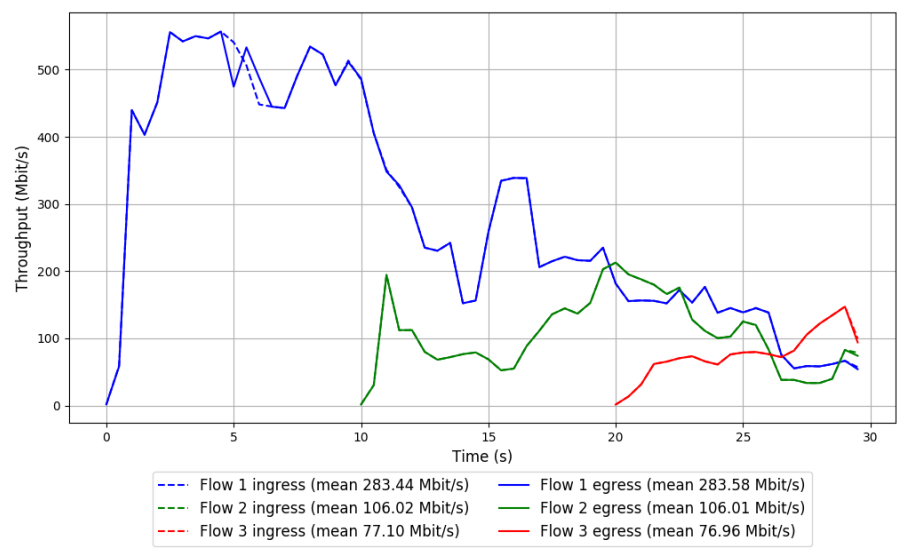


Run 10: Statistics of Vivace-latency

Start at: 2018-02-28 04:30:08
End at: 2018-02-28 04:30:38
Local clock offset: 2.134 ms
Remote clock offset: -5.093 ms

Below is generated by plot.py at 2018-02-28 12:06:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.27 Mbit/s
95th percentile per-packet one-way delay: 2.950 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 283.58 Mbit/s
95th percentile per-packet one-way delay: 11.572 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 106.01 Mbit/s
95th percentile per-packet one-way delay: 1.460 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.39%

Run 10: Report of Vivace-latency — Data Link

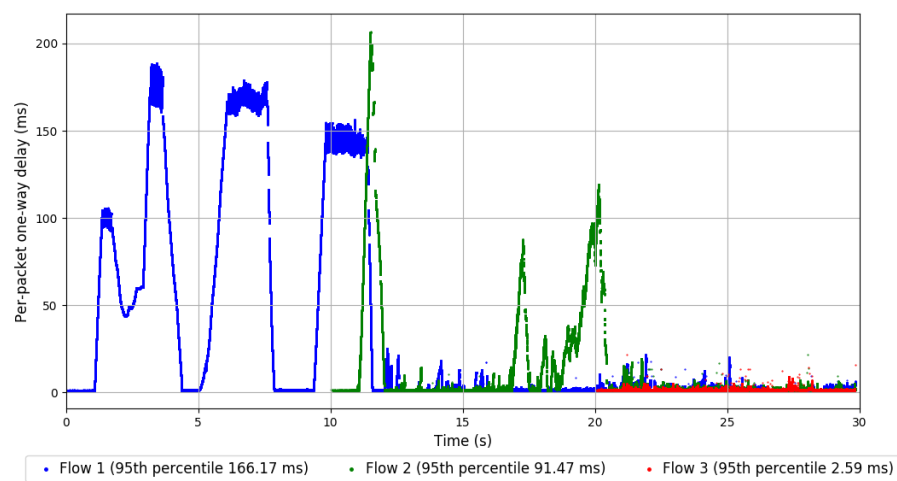
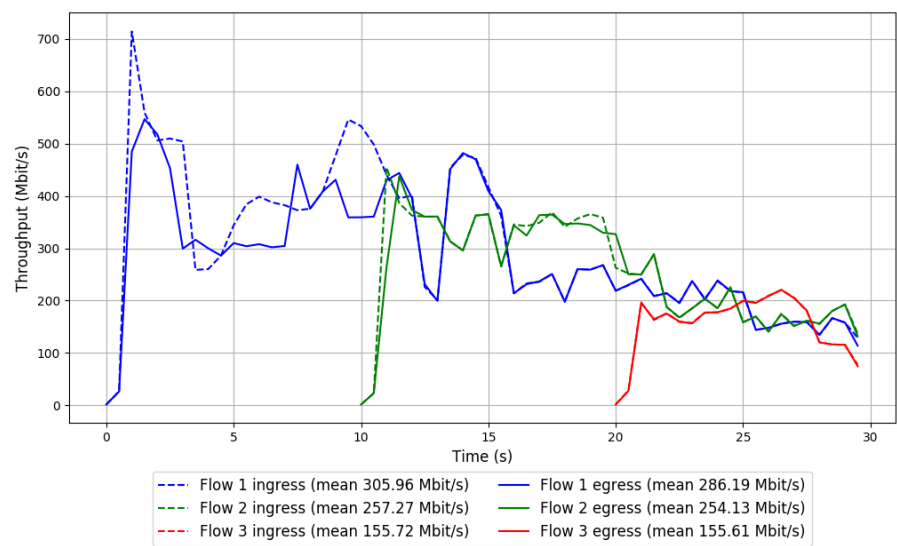


Run 1: Statistics of Vivace-loss

Start at: 2018-02-28 00:10:41
End at: 2018-02-28 00:11:11
Local clock offset: 1.331 ms
Remote clock offset: -6.225 ms

Below is generated by plot.py at 2018-02-28 12:07:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 505.97 Mbit/s
95th percentile per-packet one-way delay: 152.528 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 286.19 Mbit/s
95th percentile per-packet one-way delay: 166.167 ms
Loss rate: 6.56%
-- Flow 2:
Average throughput: 254.13 Mbit/s
95th percentile per-packet one-way delay: 91.465 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 155.61 Mbit/s
95th percentile per-packet one-way delay: 2.590 ms
Loss rate: 0.12%

Run 1: Report of Vivace-loss — Data Link

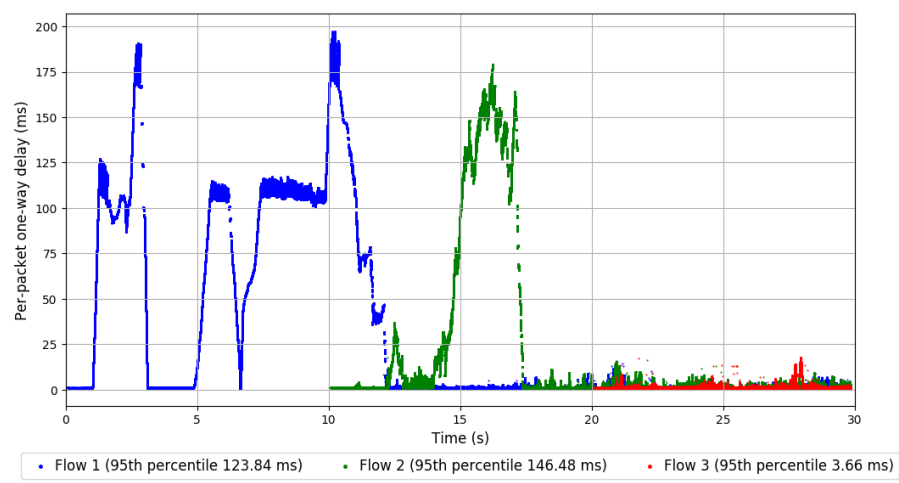
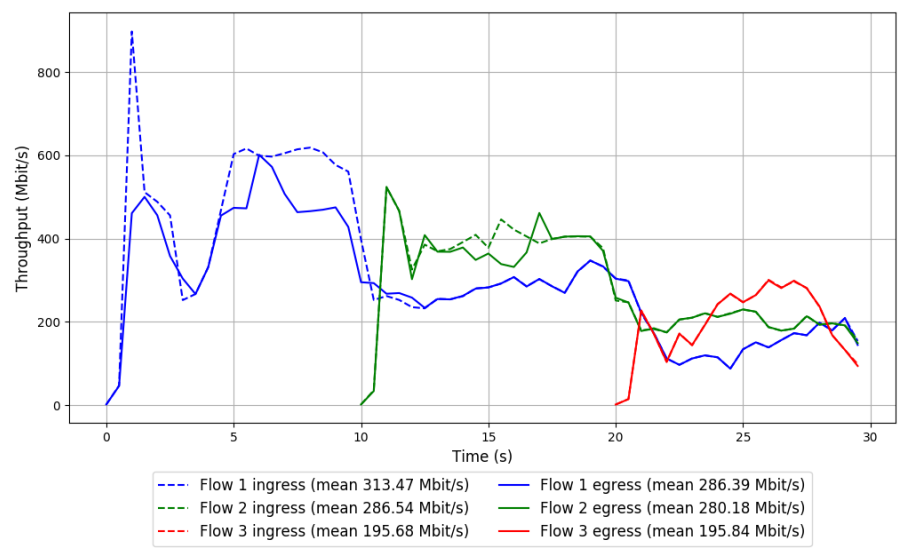


Run 2: Statistics of Vivace-loss

Start at: 2018-02-28 00:39:46
End at: 2018-02-28 00:40:16
Local clock offset: -0.549 ms
Remote clock offset: -4.399 ms

Below is generated by plot.py at 2018-02-28 12:09:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 536.77 Mbit/s
95th percentile per-packet one-way delay: 135.795 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 286.39 Mbit/s
95th percentile per-packet one-way delay: 123.837 ms
Loss rate: 8.73%
-- Flow 2:
Average throughput: 280.18 Mbit/s
95th percentile per-packet one-way delay: 146.480 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 195.84 Mbit/s
95th percentile per-packet one-way delay: 3.658 ms
Loss rate: 0.12%

Run 2: Report of Vivace-loss — Data Link

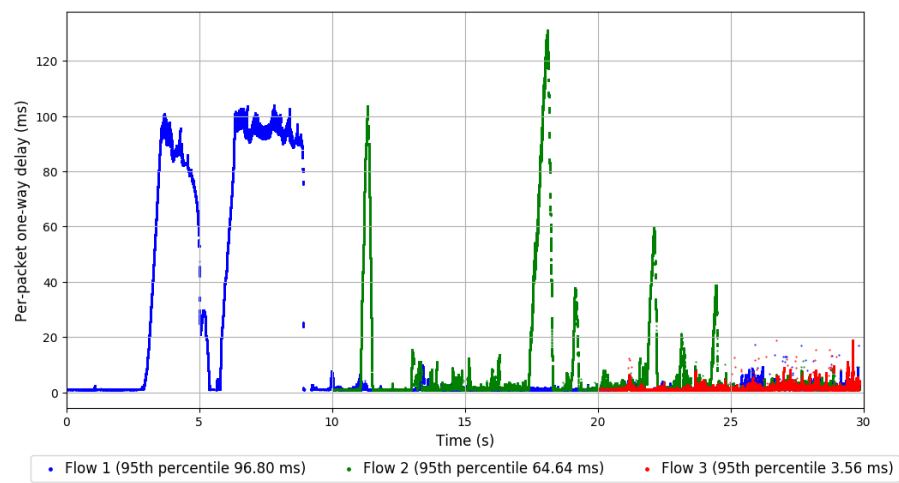
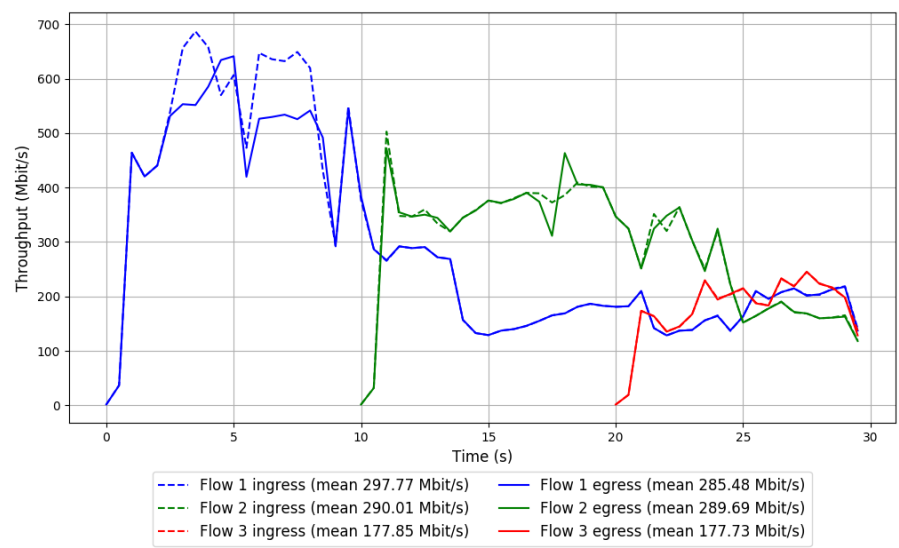


Run 3: Statistics of Vivace-loss

Start at: 2018-02-28 01:08:43
End at: 2018-02-28 01:09:13
Local clock offset: -0.554 ms
Remote clock offset: -5.465 ms

Below is generated by plot.py at 2018-02-28 12:09:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 536.27 Mbit/s
95th percentile per-packet one-way delay: 95.403 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 285.48 Mbit/s
95th percentile per-packet one-way delay: 96.800 ms
Loss rate: 4.19%
-- Flow 2:
Average throughput: 289.69 Mbit/s
95th percentile per-packet one-way delay: 64.639 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 177.73 Mbit/s
95th percentile per-packet one-way delay: 3.559 ms
Loss rate: 0.26%

Run 3: Report of Vivace-loss — Data Link

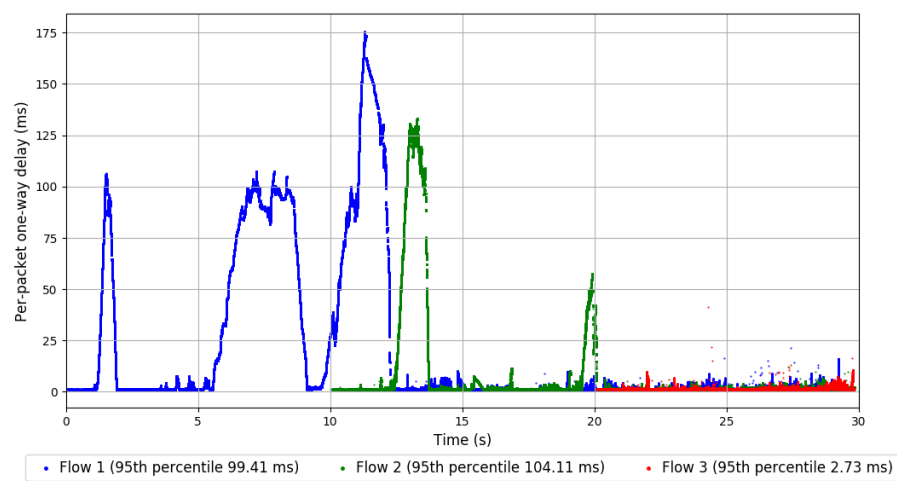
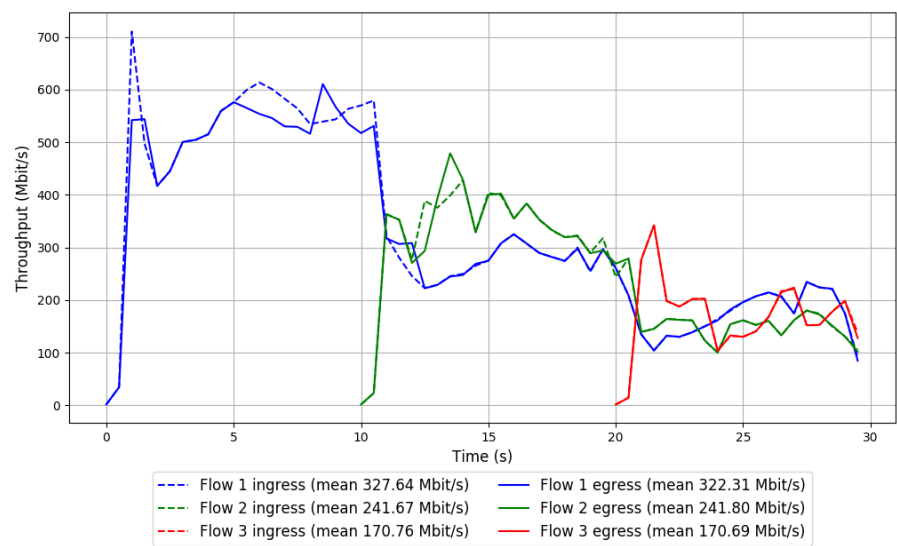


Run 4: Statistics of Vivace-loss

Start at: 2018-02-28 01:37:53
End at: 2018-02-28 01:38:23
Local clock offset: -0.471 ms
Remote clock offset: -6.243 ms

Below is generated by plot.py at 2018-02-28 12:12:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 538.94 Mbit/s
95th percentile per-packet one-way delay: 98.705 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 322.31 Mbit/s
95th percentile per-packet one-way delay: 99.414 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 241.80 Mbit/s
95th percentile per-packet one-way delay: 104.109 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 170.69 Mbit/s
95th percentile per-packet one-way delay: 2.730 ms
Loss rate: 0.31%

Run 4: Report of Vivace-loss — Data Link

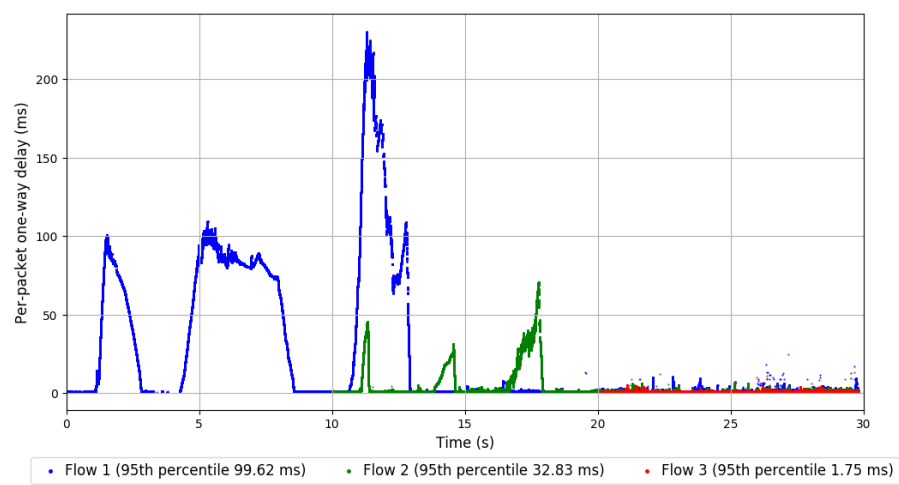
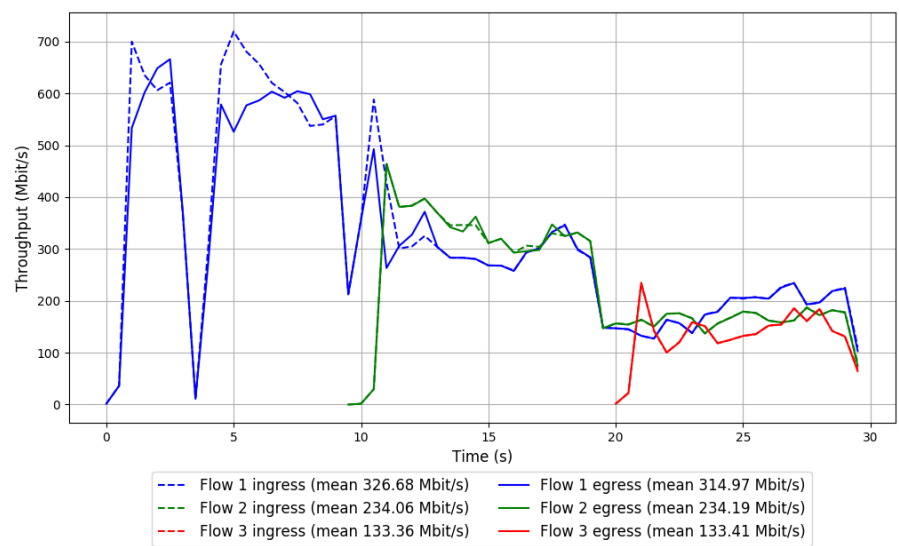


Run 5: Statistics of Vivace-loss

Start at: 2018-02-28 02:07:07
End at: 2018-02-28 02:07:37
Local clock offset: 1.019 ms
Remote clock offset: -6.444 ms

Below is generated by plot.py at 2018-02-28 12:12:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.52 Mbit/s
95th percentile per-packet one-way delay: 91.986 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 314.97 Mbit/s
95th percentile per-packet one-way delay: 99.623 ms
Loss rate: 3.66%
-- Flow 2:
Average throughput: 234.19 Mbit/s
95th percentile per-packet one-way delay: 32.833 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 133.41 Mbit/s
95th percentile per-packet one-way delay: 1.753 ms
Loss rate: 0.16%

Run 5: Report of Vivace-loss — Data Link

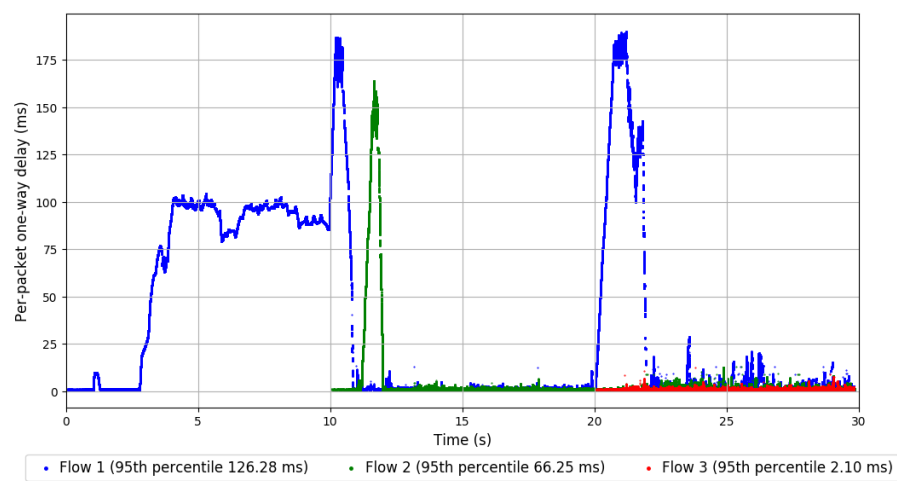
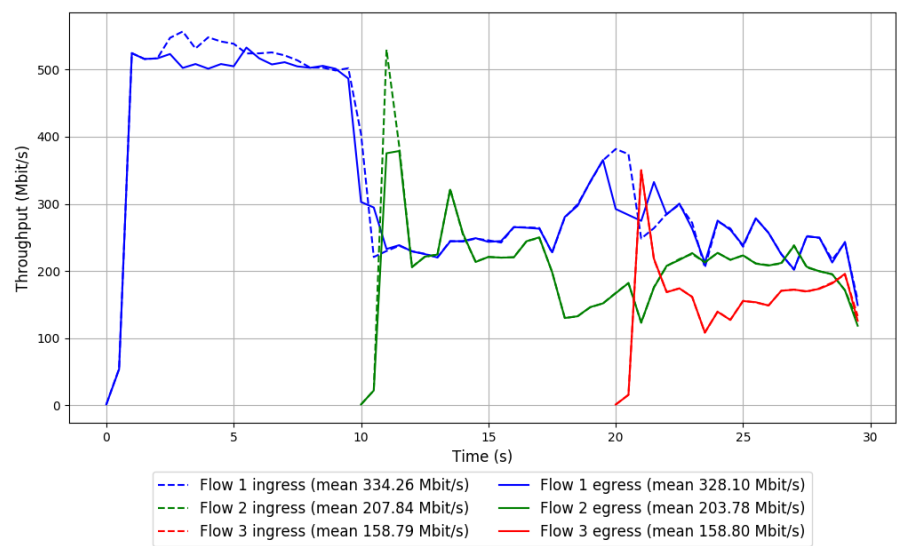


Run 6: Statistics of Vivace-loss

Start at: 2018-02-28 02:36:43
End at: 2018-02-28 02:37:13
Local clock offset: -0.09 ms
Remote clock offset: -6.324 ms

Below is generated by plot.py at 2018-02-28 12:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 515.53 Mbit/s
95th percentile per-packet one-way delay: 102.564 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 328.10 Mbit/s
95th percentile per-packet one-way delay: 126.275 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 203.78 Mbit/s
95th percentile per-packet one-way delay: 66.247 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 158.80 Mbit/s
95th percentile per-packet one-way delay: 2.102 ms
Loss rate: 0.24%

Run 6: Report of Vivace-loss — Data Link

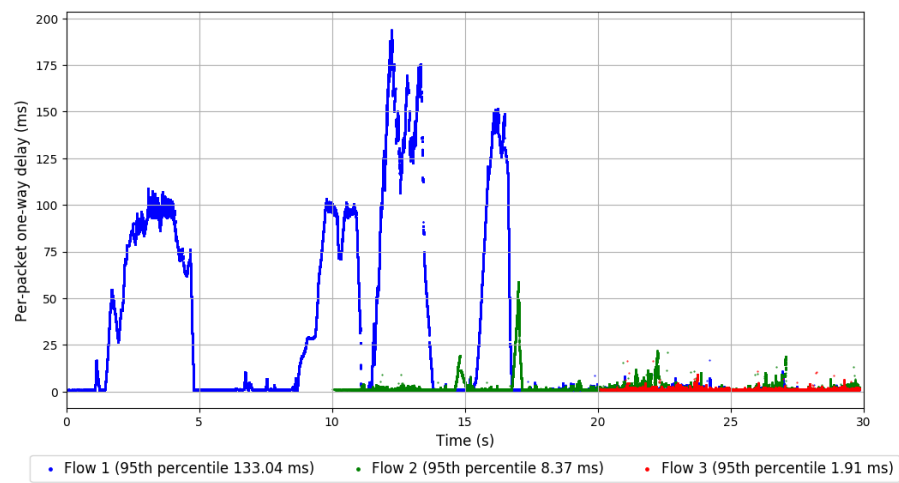
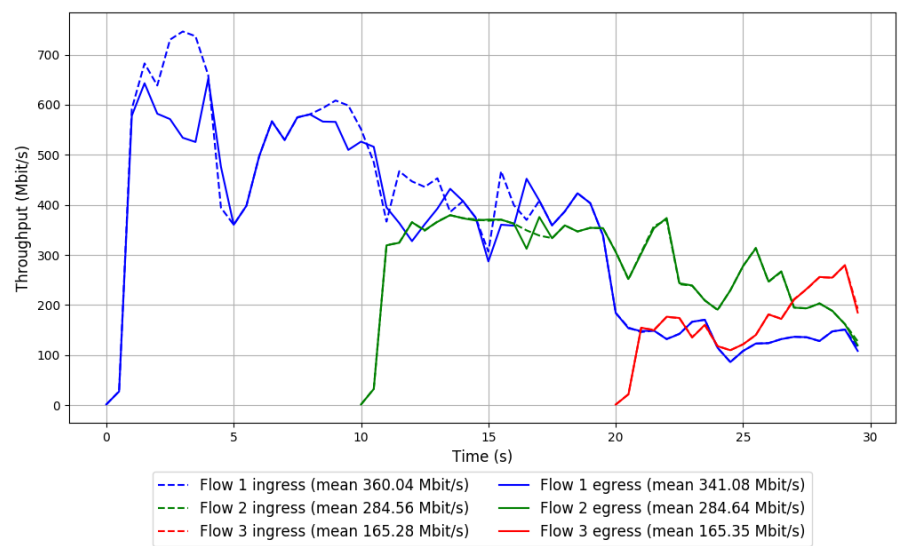


Run 7: Statistics of Vivace-loss

Start at: 2018-02-28 03:05:55
End at: 2018-02-28 03:06:25
Local clock offset: -0.509 ms
Remote clock offset: -6.196 ms

Below is generated by plot.py at 2018-02-28 12:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 584.35 Mbit/s
95th percentile per-packet one-way delay: 103.163 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 341.08 Mbit/s
95th percentile per-packet one-way delay: 133.036 ms
Loss rate: 5.33%
-- Flow 2:
Average throughput: 284.64 Mbit/s
95th percentile per-packet one-way delay: 8.372 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 165.35 Mbit/s
95th percentile per-packet one-way delay: 1.912 ms
Loss rate: 0.24%

Run 7: Report of Vivace-loss — Data Link

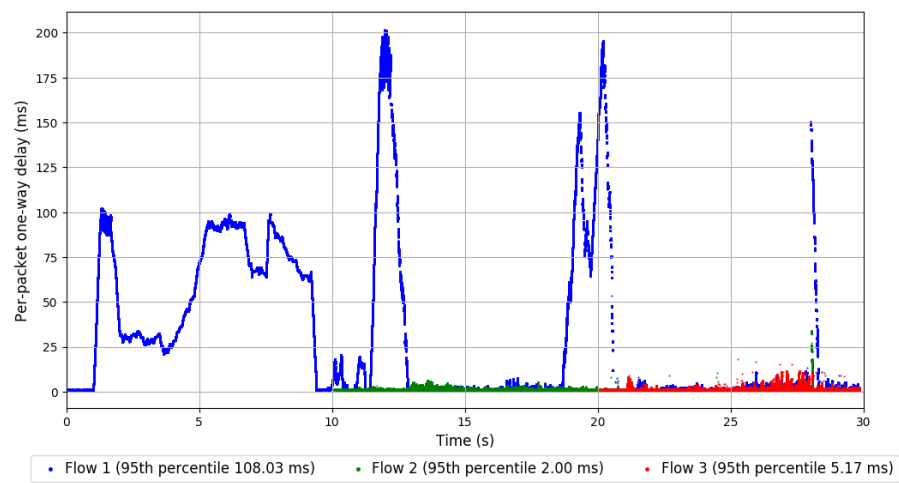
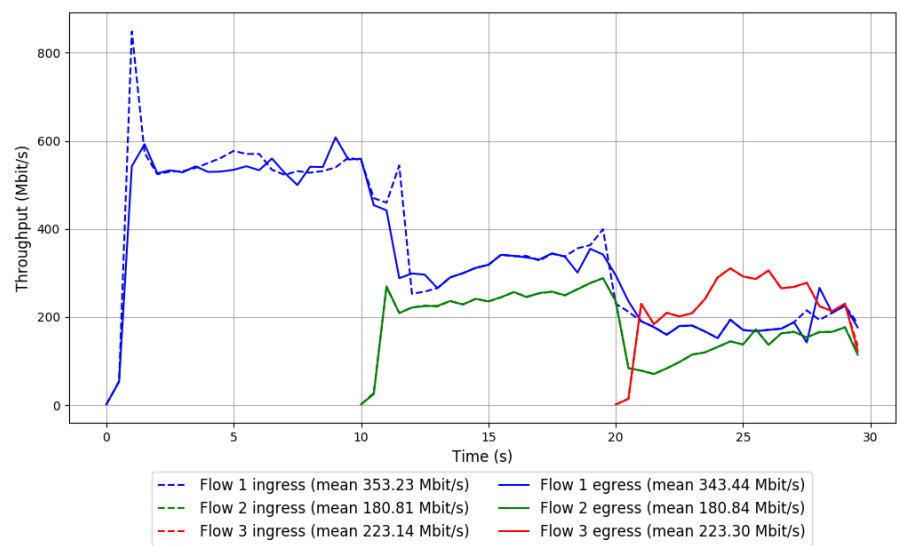


Run 8: Statistics of Vivace-loss

Start at: 2018-02-28 03:35:05
End at: 2018-02-28 03:35:35
Local clock offset: -0.435 ms
Remote clock offset: -6.248 ms

Below is generated by plot.py at 2018-02-28 12:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 536.92 Mbit/s
95th percentile per-packet one-way delay: 95.080 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 343.44 Mbit/s
95th percentile per-packet one-way delay: 108.031 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 180.84 Mbit/s
95th percentile per-packet one-way delay: 2.002 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 223.30 Mbit/s
95th percentile per-packet one-way delay: 5.170 ms
Loss rate: 0.25%

Run 8: Report of Vivace-loss — Data Link

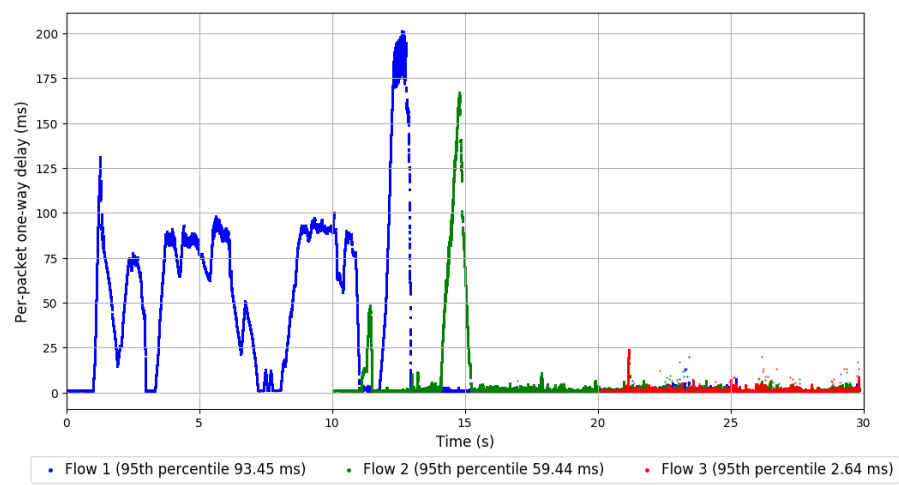
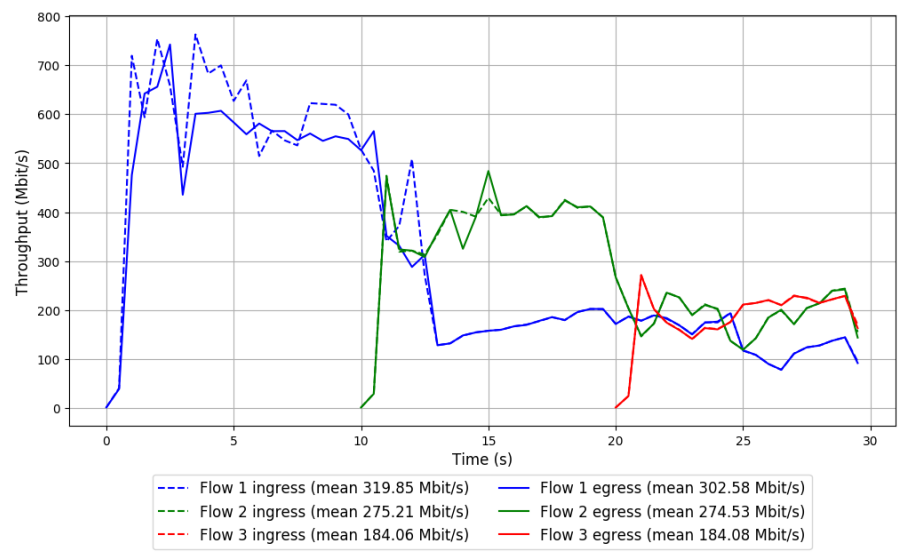


Run 9: Statistics of Vivace-loss

Start at: 2018-02-28 04:04:12
End at: 2018-02-28 04:04:42
Local clock offset: -0.35 ms
Remote clock offset: -6.247 ms

Below is generated by plot.py at 2018-02-28 12:15:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 545.56 Mbit/s
95th percentile per-packet one-way delay: 91.694 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 302.58 Mbit/s
95th percentile per-packet one-way delay: 93.446 ms
Loss rate: 5.47%
-- Flow 2:
Average throughput: 274.53 Mbit/s
95th percentile per-packet one-way delay: 59.443 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 184.08 Mbit/s
95th percentile per-packet one-way delay: 2.639 ms
Loss rate: 0.19%

Run 9: Report of Vivace-loss — Data Link

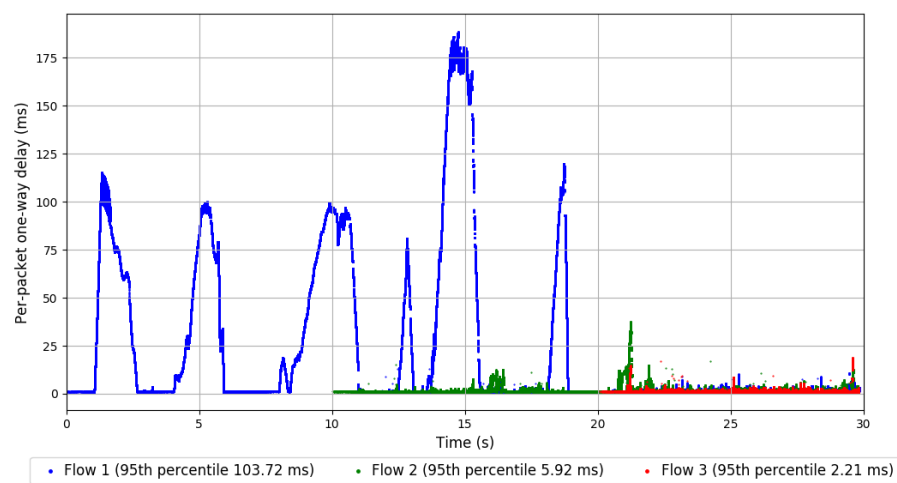
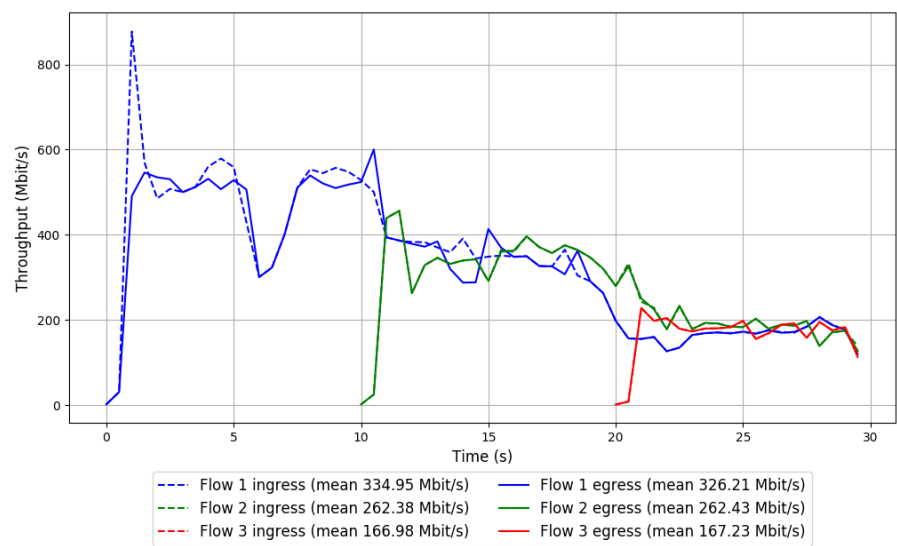


Run 10: Statistics of Vivace-loss

Start at: 2018-02-28 04:33:22
End at: 2018-02-28 04:33:52
Local clock offset: 2.293 ms
Remote clock offset: -5.052 ms

Below is generated by plot.py at 2018-02-28 12:18:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.19 Mbit/s
95th percentile per-packet one-way delay: 95.513 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 326.21 Mbit/s
95th percentile per-packet one-way delay: 103.717 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 262.43 Mbit/s
95th percentile per-packet one-way delay: 5.925 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 167.23 Mbit/s
95th percentile per-packet one-way delay: 2.215 ms
Loss rate: 0.20%

Run 10: Report of Vivace-loss — Data Link

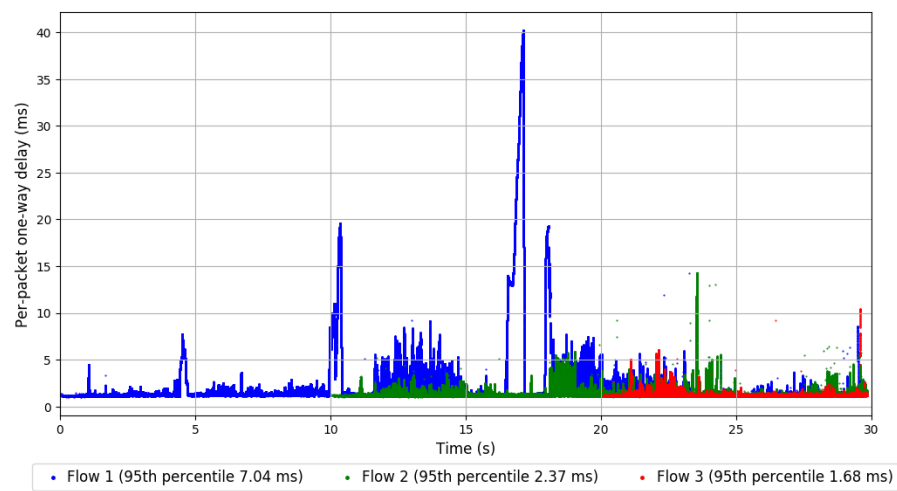
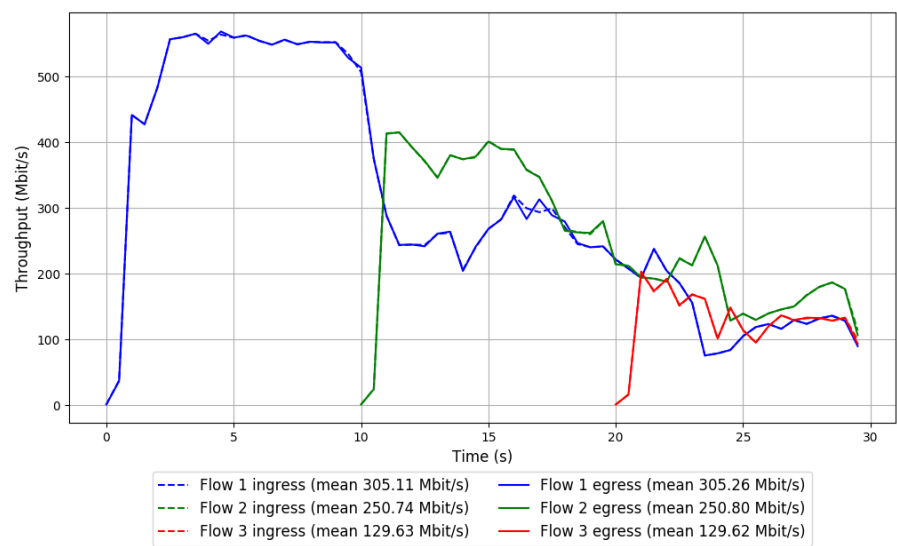


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-28 00:20:34
End at: 2018-02-28 00:21:04
Local clock offset: 0.168 ms
Remote clock offset: -5.242 ms

Below is generated by plot.py at 2018-02-28 12:18:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.33 Mbit/s
95th percentile per-packet one-way delay: 4.632 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 305.26 Mbit/s
95th percentile per-packet one-way delay: 7.038 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 250.80 Mbit/s
95th percentile per-packet one-way delay: 2.367 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 129.62 Mbit/s
95th percentile per-packet one-way delay: 1.676 ms
Loss rate: 0.24%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-28 00:49:37

End at: 2018-02-28 00:50:07

Local clock offset: -0.508 ms

Remote clock offset: -5.09 ms

Below is generated by plot.py at 2018-02-28 12:18:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 394.48 Mbit/s

95th percentile per-packet one-way delay: 145.156 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 271.67 Mbit/s

95th percentile per-packet one-way delay: 161.068 ms

Loss rate: 1.66%

-- Flow 2:

Average throughput: 143.17 Mbit/s

95th percentile per-packet one-way delay: 2.537 ms

Loss rate: 0.12%

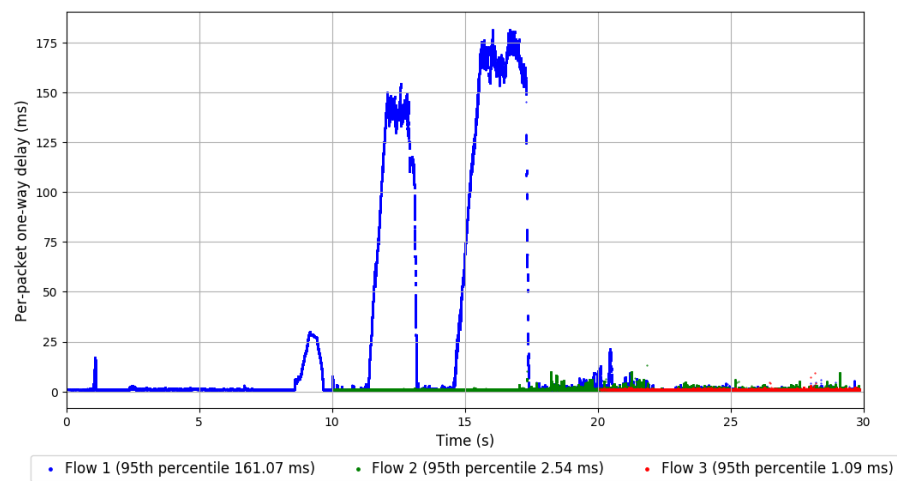
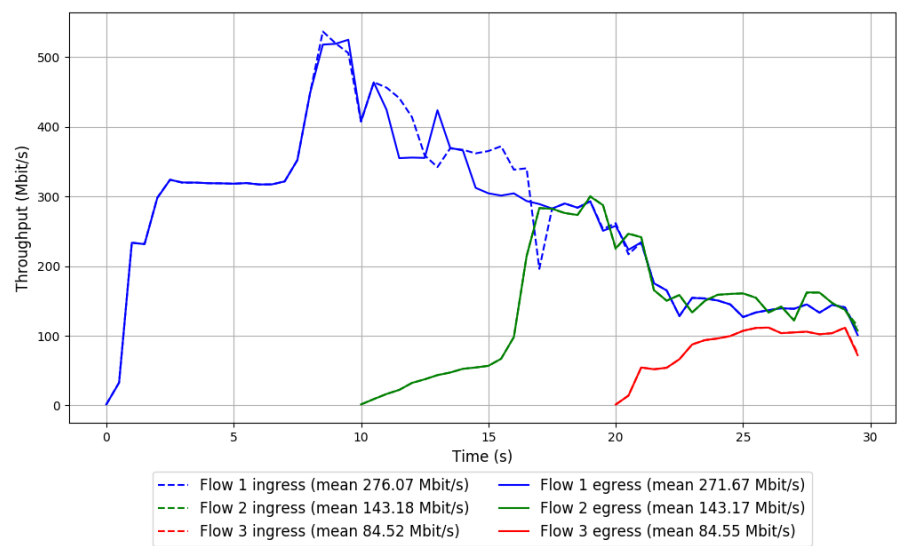
-- Flow 3:

Average throughput: 84.55 Mbit/s

95th percentile per-packet one-way delay: 1.088 ms

Loss rate: 0.17%

Run 2: Report of Vivace-LTE — Data Link

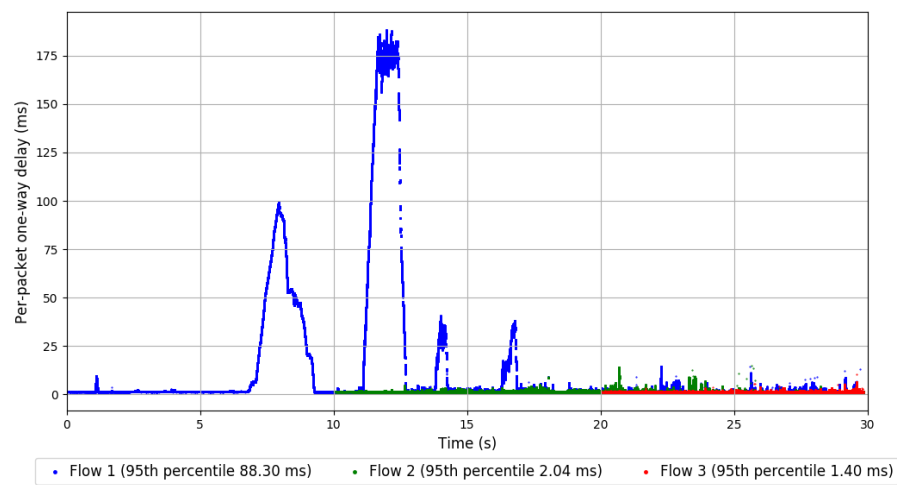
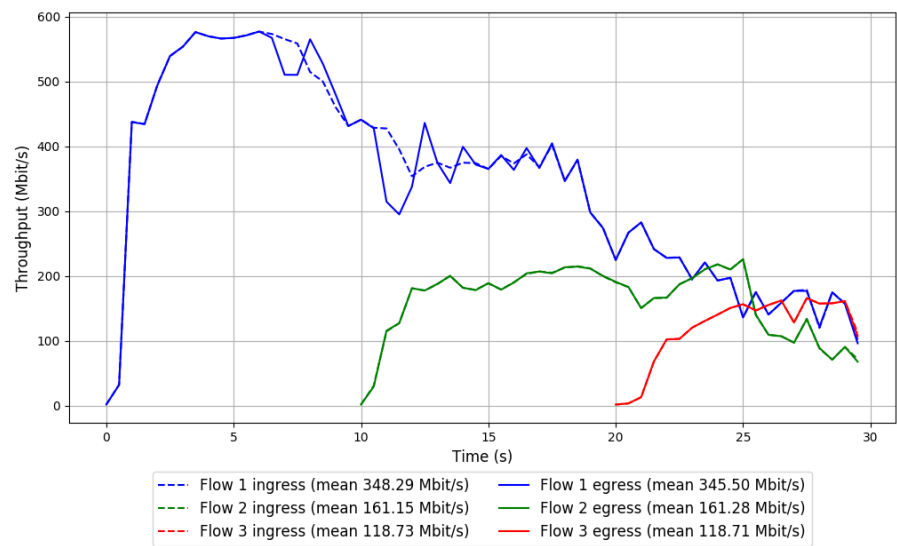


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-28 01:18:30
End at: 2018-02-28 01:19:00
Local clock offset: -0.491 ms
Remote clock offset: -5.647 ms

Below is generated by plot.py at 2018-02-28 12:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 491.65 Mbit/s
95th percentile per-packet one-way delay: 66.435 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 345.50 Mbit/s
95th percentile per-packet one-way delay: 88.298 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 161.28 Mbit/s
95th percentile per-packet one-way delay: 2.044 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 118.71 Mbit/s
95th percentile per-packet one-way delay: 1.400 ms
Loss rate: 0.22%

Run 3: Report of Vivace-LTE — Data Link

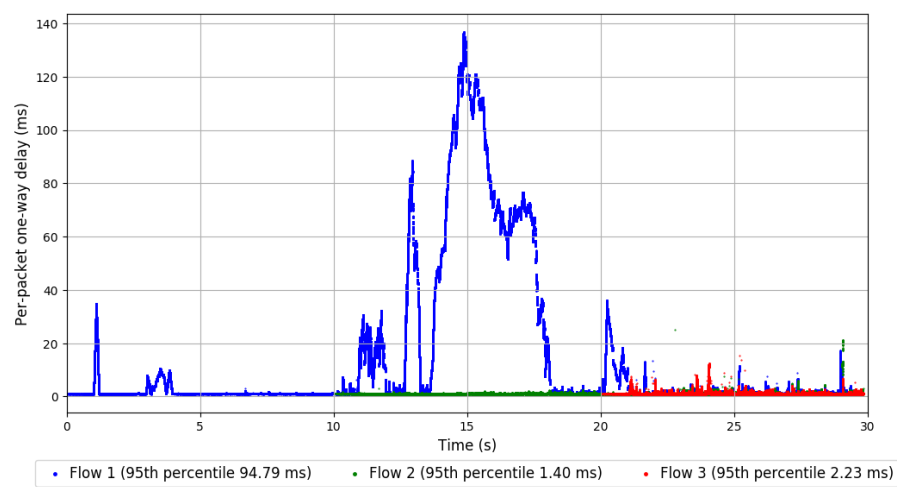
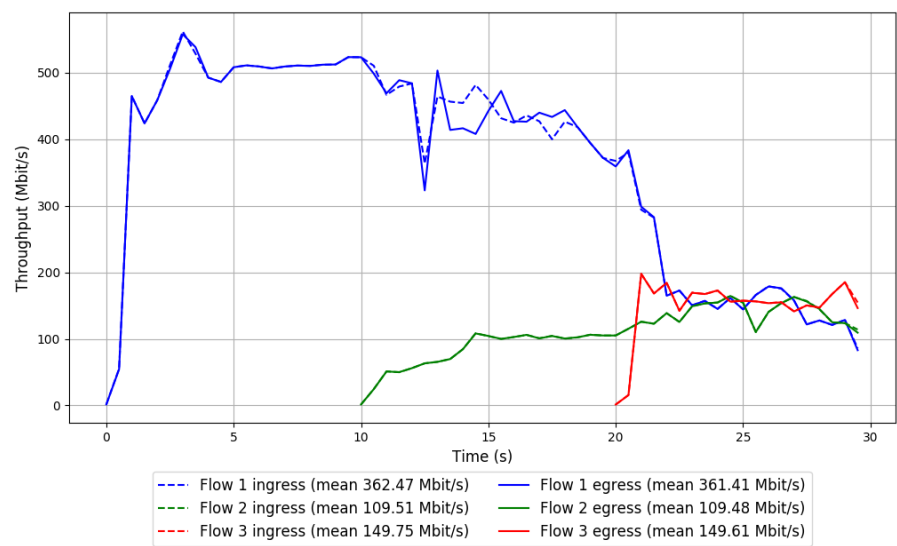


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-28 01:47:54
End at: 2018-02-28 01:48:24
Local clock offset: -0.586 ms
Remote clock offset: -6.284 ms

Below is generated by plot.py at 2018-02-28 12:20:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 483.26 Mbit/s
95th percentile per-packet one-way delay: 78.910 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 361.41 Mbit/s
95th percentile per-packet one-way delay: 94.792 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 109.48 Mbit/s
95th percentile per-packet one-way delay: 1.400 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 149.61 Mbit/s
95th percentile per-packet one-way delay: 2.226 ms
Loss rate: 0.30%

Run 4: Report of Vivace-LTE — Data Link

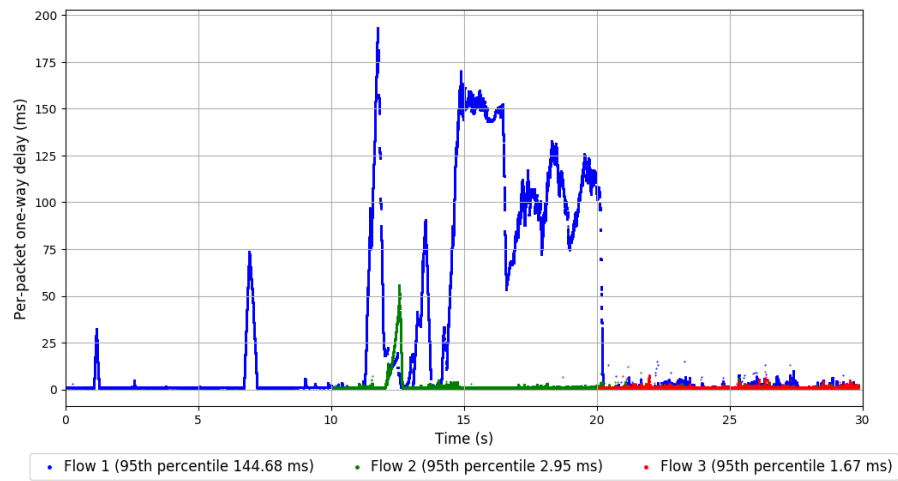
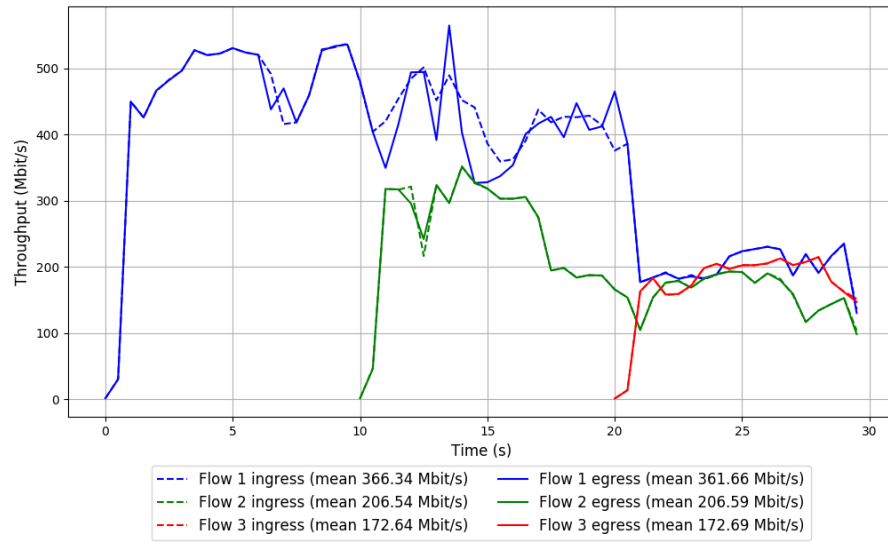


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-28 02:17:06
End at: 2018-02-28 02:17:36
Local clock offset: 1.375 ms
Remote clock offset: -6.407 ms

Below is generated by plot.py at 2018-02-28 12:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.62 Mbit/s
95th percentile per-packet one-way delay: 121.401 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 361.66 Mbit/s
95th percentile per-packet one-way delay: 144.684 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 206.59 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 172.69 Mbit/s
95th percentile per-packet one-way delay: 1.667 ms
Loss rate: 0.17%

Run 5: Report of Vivace-LTE — Data Link

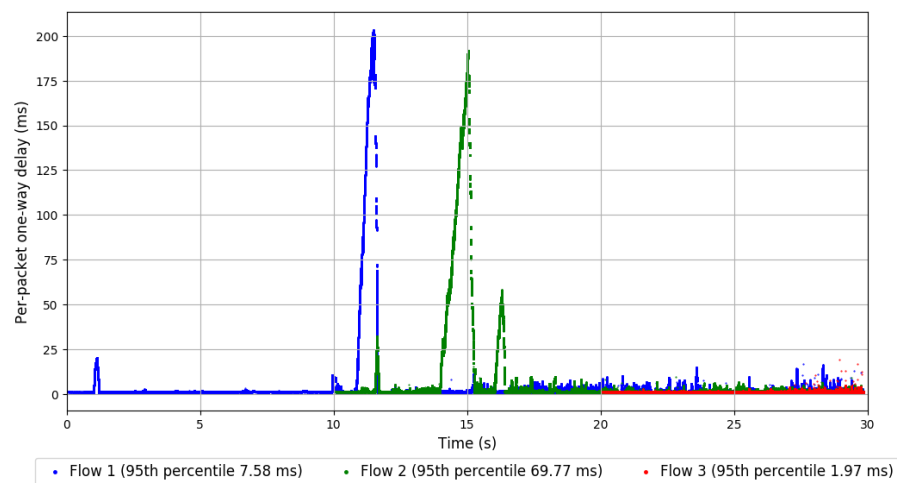
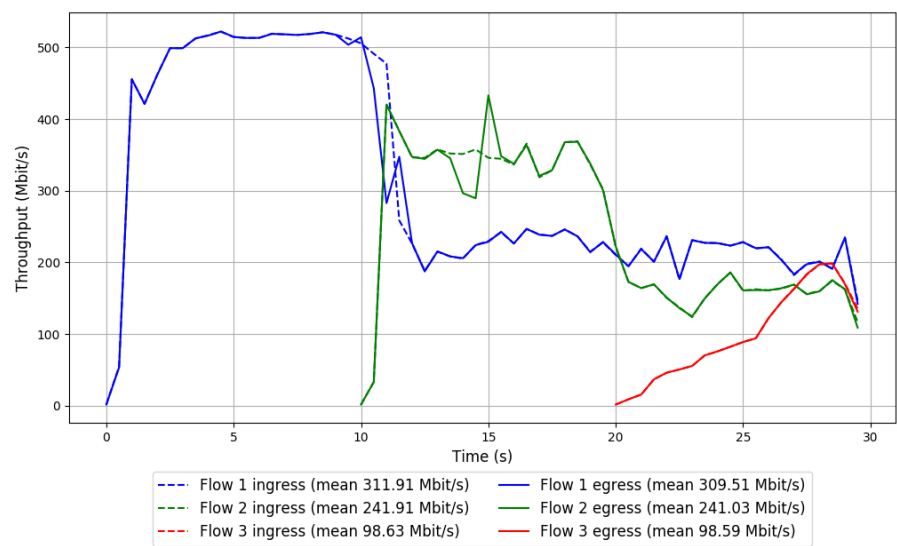


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-28 02:46:34
End at: 2018-02-28 02:47:04
Local clock offset: -0.432 ms
Remote clock offset: -6.311 ms

Below is generated by plot.py at 2018-02-28 12:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 501.87 Mbit/s
95th percentile per-packet one-way delay: 22.703 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 309.51 Mbit/s
95th percentile per-packet one-way delay: 7.584 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 241.03 Mbit/s
95th percentile per-packet one-way delay: 69.765 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 98.59 Mbit/s
95th percentile per-packet one-way delay: 1.970 ms
Loss rate: 0.27%

Run 6: Report of Vivace-LTE — Data Link

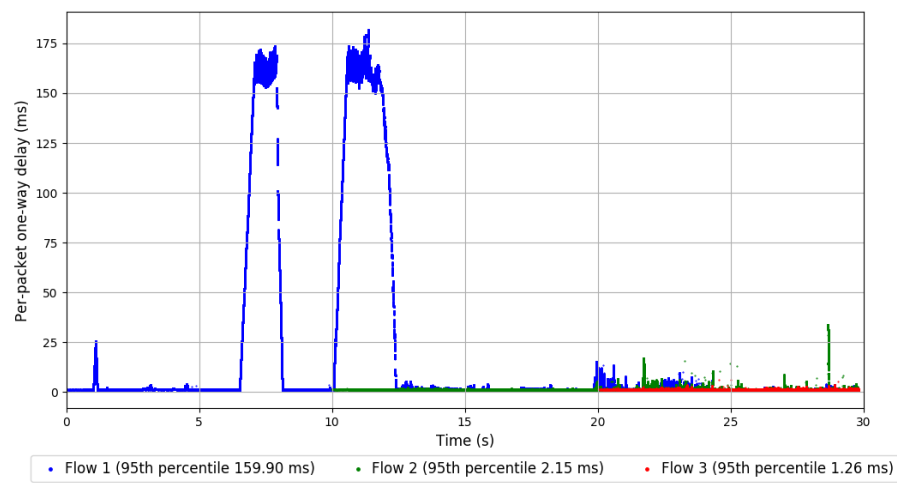
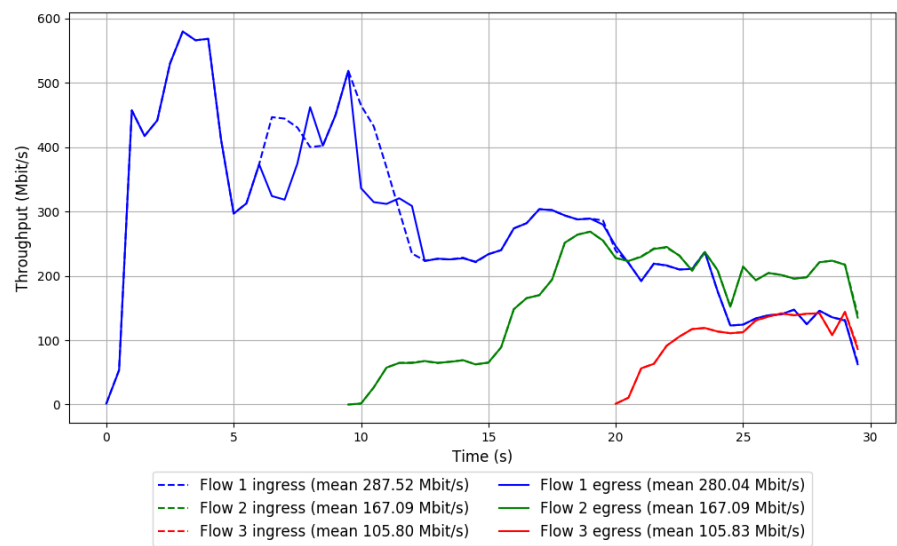


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-28 03:15:51
End at: 2018-02-28 03:16:21
Local clock offset: -0.552 ms
Remote clock offset: -6.265 ms

Below is generated by plot.py at 2018-02-28 12:21:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.87 Mbit/s
95th percentile per-packet one-way delay: 155.097 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 280.04 Mbit/s
95th percentile per-packet one-way delay: 159.902 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 167.09 Mbit/s
95th percentile per-packet one-way delay: 2.154 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 105.83 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.19%

Run 7: Report of Vivace-LTE — Data Link

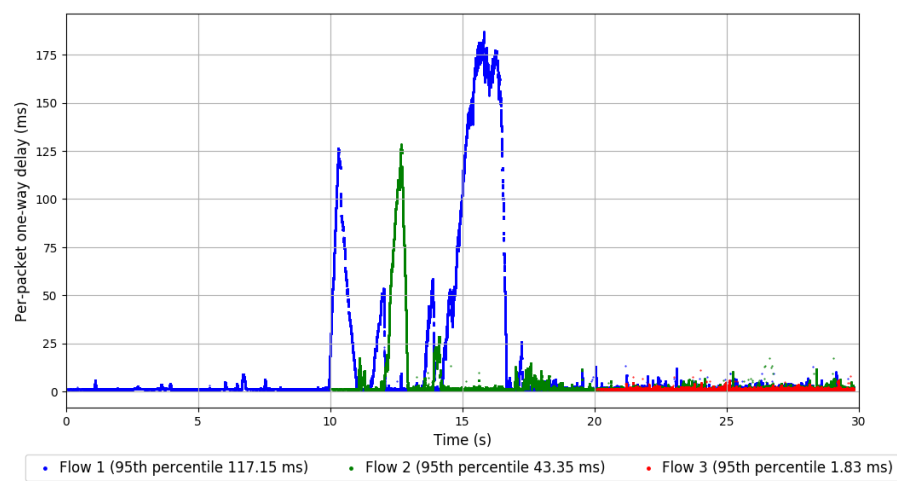
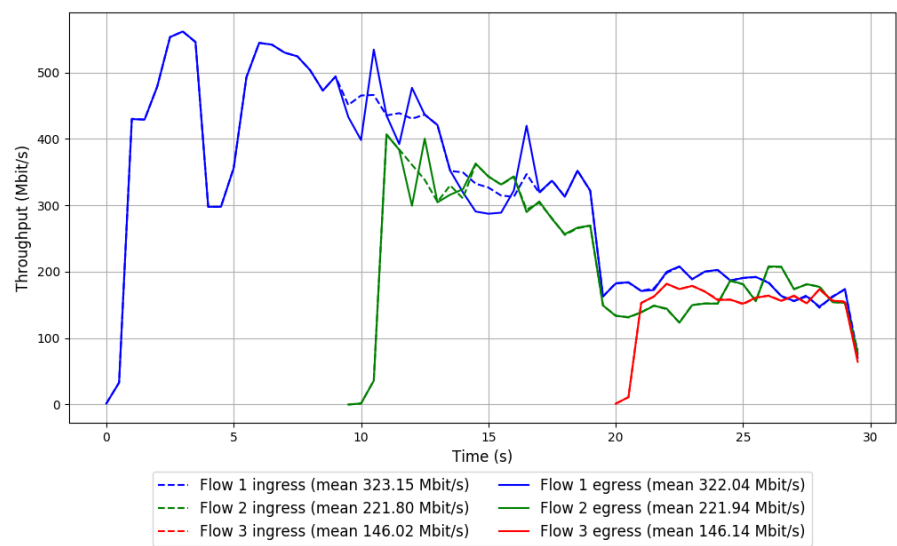


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-28 03:45:06
End at: 2018-02-28 03:45:36
Local clock offset: -0.367 ms
Remote clock offset: -6.263 ms

Below is generated by plot.py at 2018-02-28 12:23:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 517.34 Mbit/s
95th percentile per-packet one-way delay: 83.944 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 322.04 Mbit/s
95th percentile per-packet one-way delay: 117.151 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 221.94 Mbit/s
95th percentile per-packet one-way delay: 43.354 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 146.14 Mbit/s
95th percentile per-packet one-way delay: 1.832 ms
Loss rate: 0.18%

Run 8: Report of Vivace-LTE — Data Link

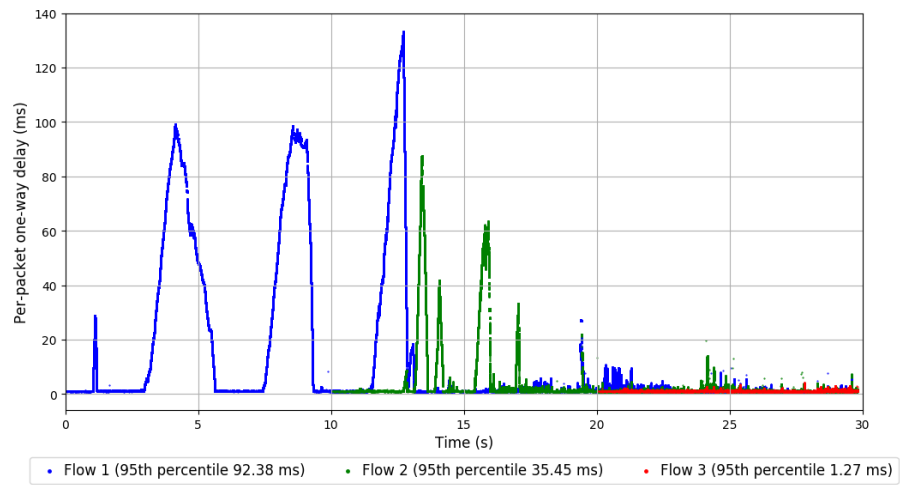
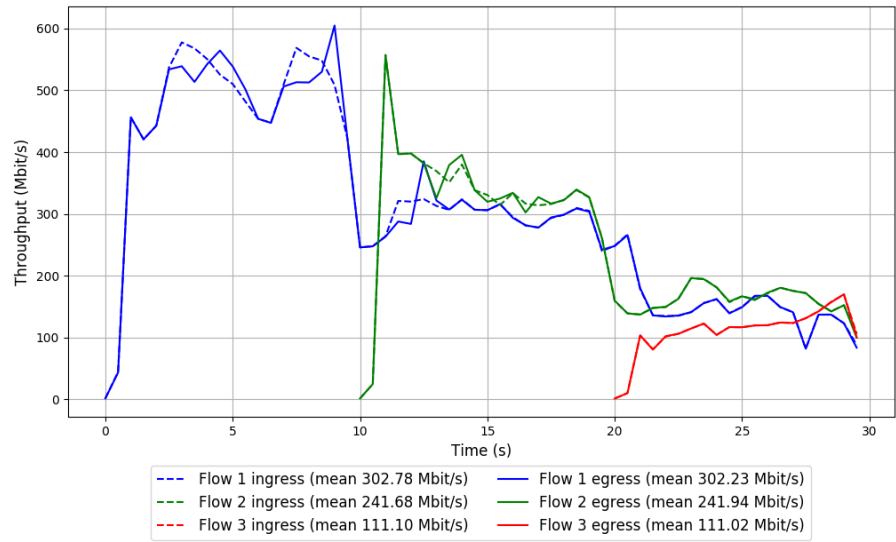


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-28 04:14:05
End at: 2018-02-28 04:14:35
Local clock offset: 1.016 ms
Remote clock offset: -5.686 ms

Below is generated by plot.py at 2018-02-28 12:23:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.16 Mbit/s
95th percentile per-packet one-way delay: 86.498 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 302.23 Mbit/s
95th percentile per-packet one-way delay: 92.384 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 241.94 Mbit/s
95th percentile per-packet one-way delay: 35.455 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 111.02 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.28%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-28 04:43:25
End at: 2018-02-28 04:43:55
Local clock offset: 2.121 ms
Remote clock offset: -4.901 ms

Below is generated by plot.py at 2018-02-28 12:23:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.50 Mbit/s
95th percentile per-packet one-way delay: 110.826 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 322.67 Mbit/s
95th percentile per-packet one-way delay: 134.528 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 133.17 Mbit/s
95th percentile per-packet one-way delay: 1.643 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 110.87 Mbit/s
95th percentile per-packet one-way delay: 1.351 ms
Loss rate: 0.31%

Run 10: Report of Vivace-LTE — Data Link

