

Pantheon Report

Generated at 2018-01-02 16:46:27 (UTC).

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

Repeated the test of 14 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).

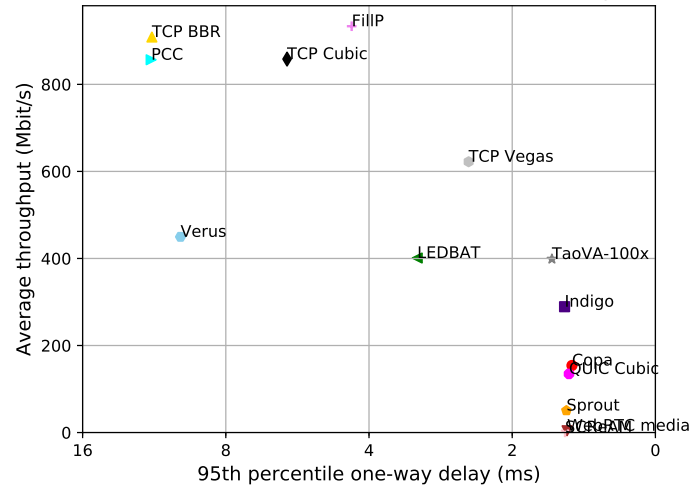
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

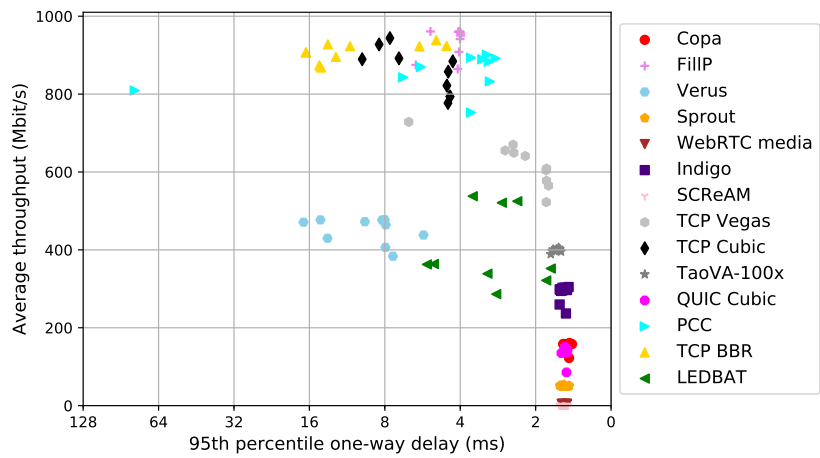
Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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 @ f1a14bffe749737437f61b1eaeab30b267cde681
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/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



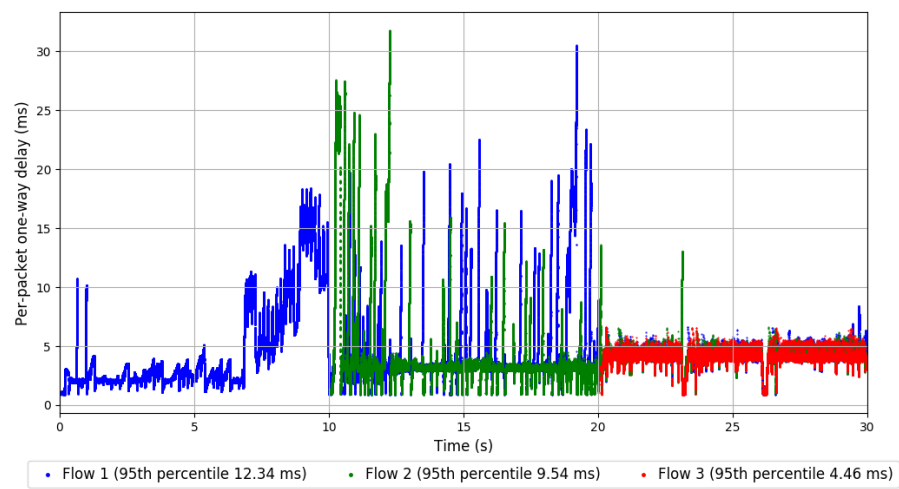
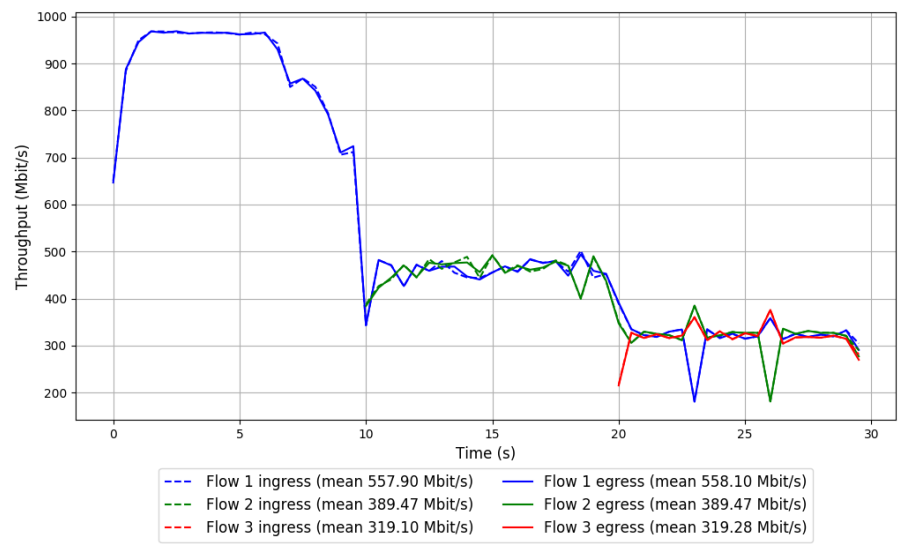
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	542.01	391.21	321.73	11.47	8.41	4.55	0.05	0.10	0.23
TCP Cubic	10	488.89	397.85	315.35	5.96	4.54	4.50	0.06	0.10	0.25
LEDBAT	9	110.17	295.06	215.43	2522.16	3.30	2.79	0.02	0.09	0.27
PCC	10	617.90	280.10	160.25	14.56	2.97	3.08	0.63	0.11	0.23
QUIC Cubic	10	94.72	70.31	60.68	1.19	1.21	1.22	0.06	0.09	0.22
SCReAM	10	0.22	0.22	0.22	1.26	1.27	1.25	0.01	0.02	0.28
WebRTC media	10	1.93	1.54	0.66	1.26	1.23	1.24	0.09	0.16	0.38
Sprout	10	24.81	24.81	24.32	1.25	1.24	1.23	0.06	0.10	0.19
TaoVA-100x	10	224.87	208.79	141.87	1.31	1.50	2.09	0.05	0.08	0.20
TCP Vegas	10	302.03	334.93	294.07	2.40	2.20	2.31	0.06	0.08	0.21
Verus	10	265.90	199.33	155.01	12.05	7.23	4.65	0.05	0.08	0.24
Copa	10	82.66	72.67	88.28	1.16	1.16	1.17	0.06	0.07	0.18
FillP	10	559.21	404.22	319.60	5.16	8.60	4.06	0.22	0.17	0.23
Indigo	10	157.05	151.61	96.49	1.25	1.29	1.29	0.05	0.09	0.20

Run 1: Statistics of TCP BBR

Start at: 2018-01-02 07:16:10
End at: 2018-01-02 07:16:40
Local clock offset: 0.177 ms
Remote clock offset: -3.359 ms

Below is generated by plot.py at 2018-01-02 15:04:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 922.98 Mbit/s
95th percentile per-packet one-way delay: 11.011 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 558.10 Mbit/s
95th percentile per-packet one-way delay: 12.337 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 389.47 Mbit/s
95th percentile per-packet one-way delay: 9.536 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 319.28 Mbit/s
95th percentile per-packet one-way delay: 4.459 ms
Loss rate: 0.22%

Run 1: Report of TCP BBR — Data Link

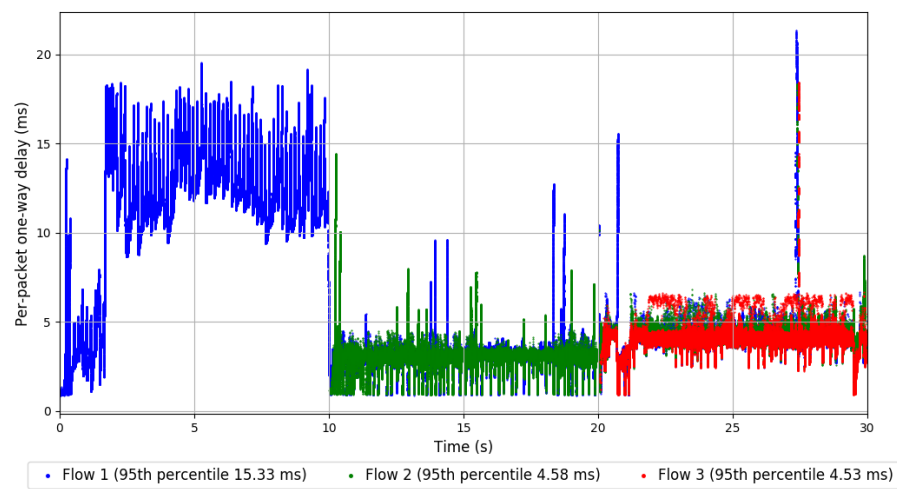
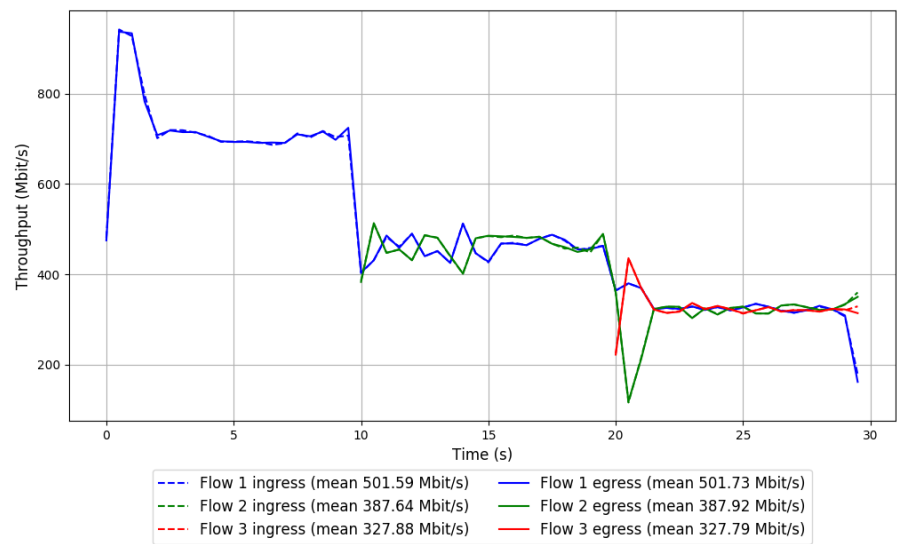


Run 2: Statistics of TCP BBR

Start at: 2018-01-02 07:38:36
End at: 2018-01-02 07:39:06
Local clock offset: 0.441 ms
Remote clock offset: -2.841 ms

Below is generated by plot.py at 2018-01-02 15:04:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 868.31 Mbit/s
95th percentile per-packet one-way delay: 14.378 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 501.73 Mbit/s
95th percentile per-packet one-way delay: 15.331 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 387.92 Mbit/s
95th percentile per-packet one-way delay: 4.578 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 327.79 Mbit/s
95th percentile per-packet one-way delay: 4.532 ms
Loss rate: 0.24%

Run 2: Report of TCP BBR — Data Link

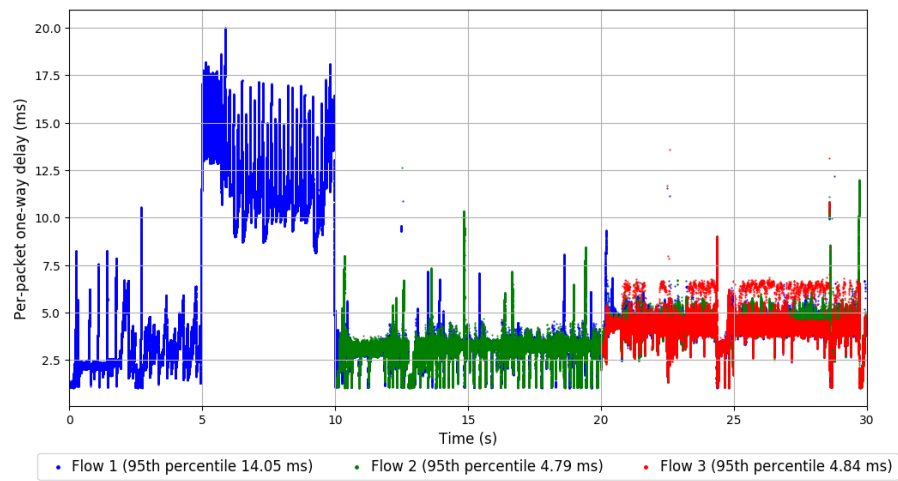
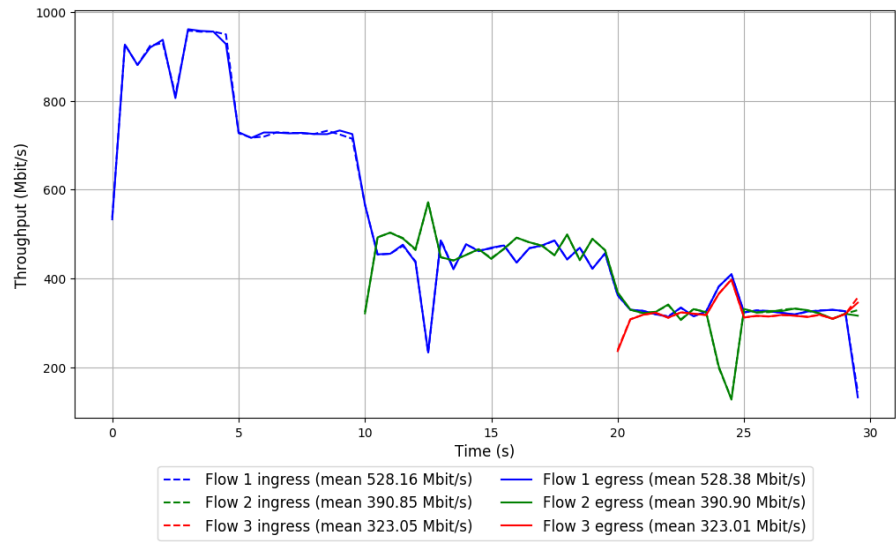


Run 3: Statistics of TCP BBR

Start at: 2018-01-02 08:00:39
End at: 2018-01-02 08:01:09
Local clock offset: 0.796 ms
Remote clock offset: -2.132 ms

Below is generated by plot.py at 2018-01-02 15:04:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 895.67 Mbit/s
95th percentile per-packet one-way delay: 12.546 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 528.38 Mbit/s
95th percentile per-packet one-way delay: 14.052 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.90 Mbit/s
95th percentile per-packet one-way delay: 4.793 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 323.01 Mbit/s
95th percentile per-packet one-way delay: 4.840 ms
Loss rate: 0.22%

Run 3: Report of TCP BBR — Data Link

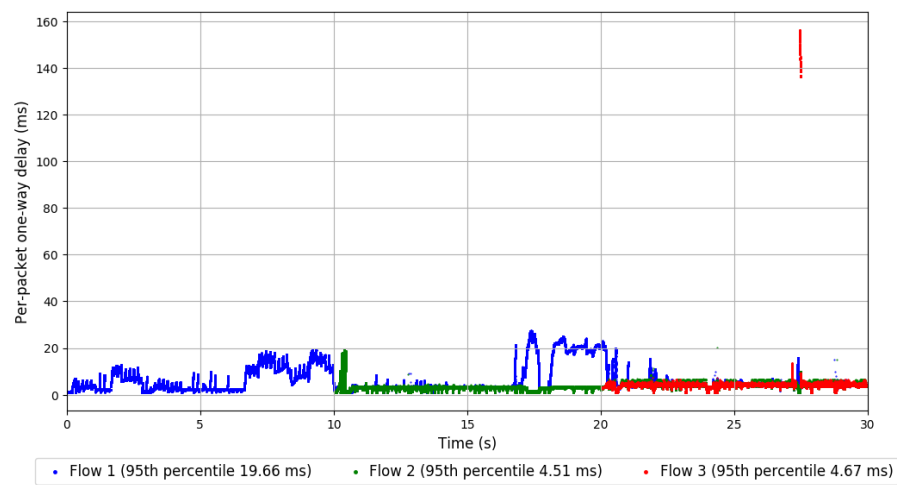
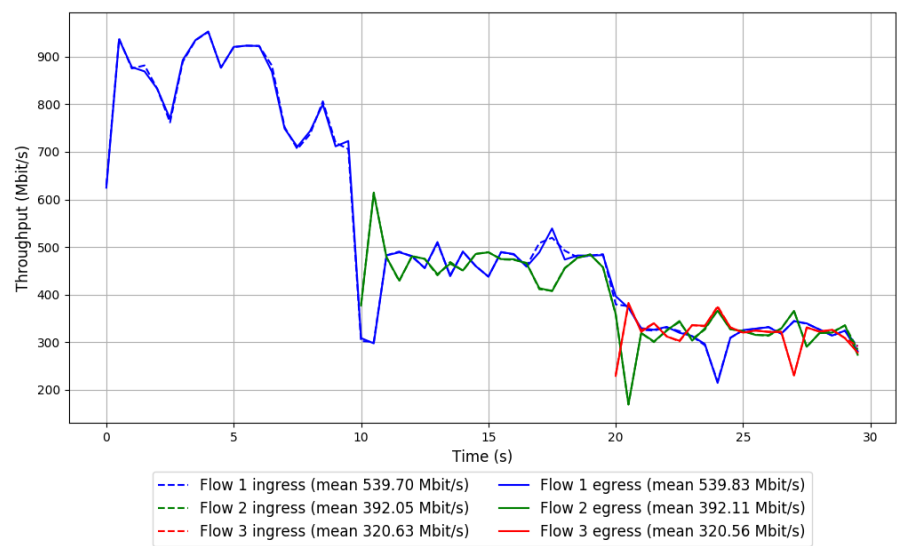


Run 4: Statistics of TCP BBR

Start at: 2018-01-02 08:22:49
End at: 2018-01-02 08:23:19
Local clock offset: 1.003 ms
Remote clock offset: -1.853 ms

Below is generated by plot.py at 2018-01-02 15:04:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 906.89 Mbit/s
95th percentile per-packet one-way delay: 16.511 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 539.83 Mbit/s
95th percentile per-packet one-way delay: 19.660 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 392.11 Mbit/s
95th percentile per-packet one-way delay: 4.508 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 320.56 Mbit/s
95th percentile per-packet one-way delay: 4.670 ms
Loss rate: 0.25%

Run 4: Report of TCP BBR — Data Link

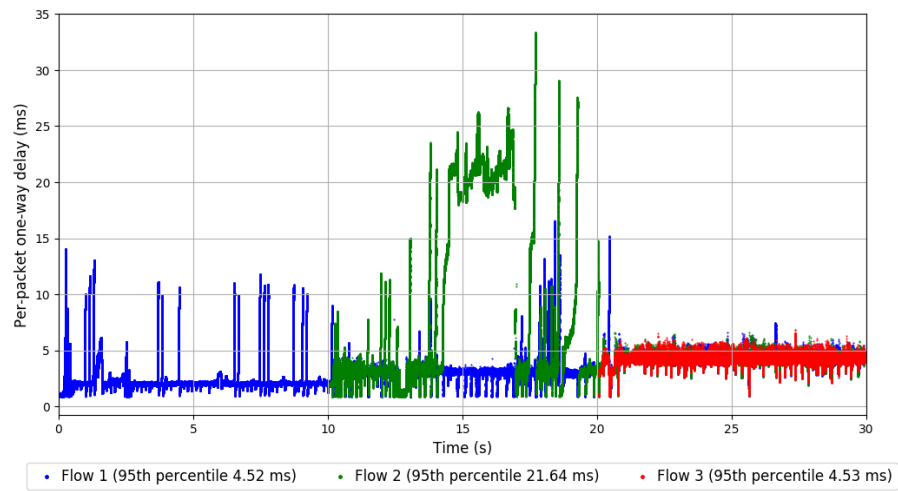
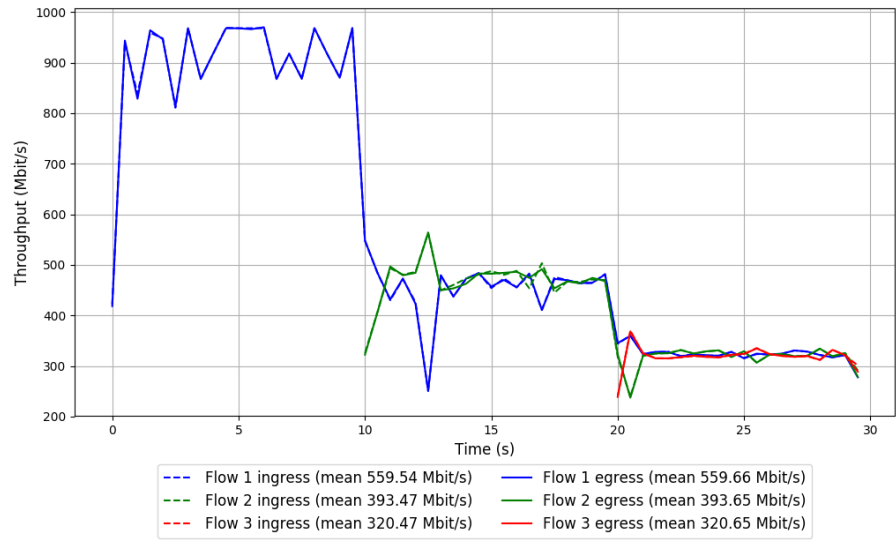


Run 5: Statistics of TCP BBR

Start at: 2018-01-02 08:44:59
End at: 2018-01-02 08:45:29
Local clock offset: 1.111 ms
Remote clock offset: -1.833 ms

Below is generated by plot.py at 2018-01-02 15:04:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 927.77 Mbit/s
95th percentile per-packet one-way delay: 13.497 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 559.66 Mbit/s
95th percentile per-packet one-way delay: 4.518 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 393.65 Mbit/s
95th percentile per-packet one-way delay: 21.639 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.65 Mbit/s
95th percentile per-packet one-way delay: 4.530 ms
Loss rate: 0.23%

Run 5: Report of TCP BBR — Data Link

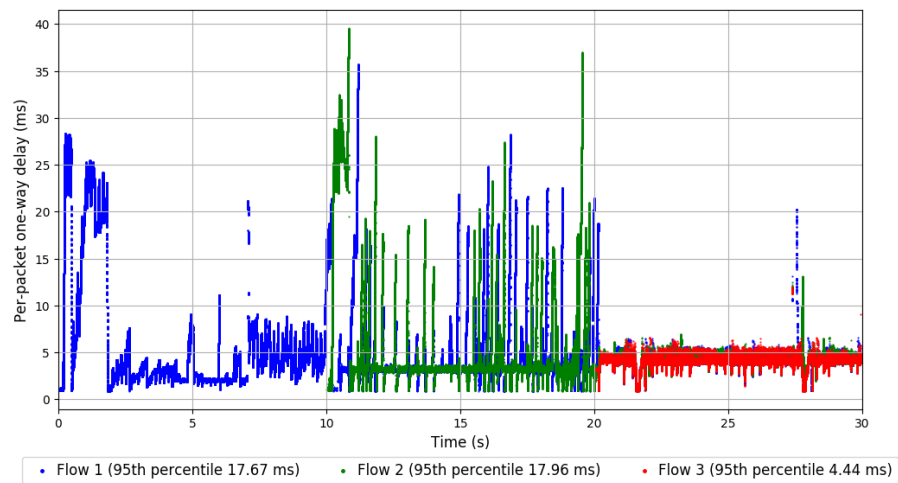
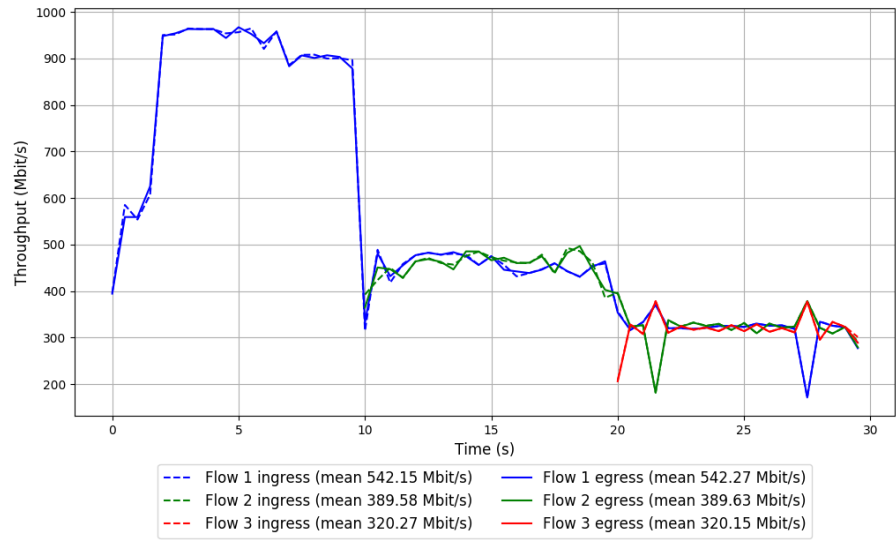


Run 6: Statistics of TCP BBR

Start at: 2018-01-02 09:07:19
End at: 2018-01-02 09:07:49
Local clock offset: 1.393 ms
Remote clock offset: -1.879 ms

Below is generated by plot.py at 2018-01-02 15:04:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 907.28 Mbit/s
95th percentile per-packet one-way delay: 16.533 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 542.27 Mbit/s
95th percentile per-packet one-way delay: 17.674 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 389.63 Mbit/s
95th percentile per-packet one-way delay: 17.956 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.15 Mbit/s
95th percentile per-packet one-way delay: 4.436 ms
Loss rate: 0.24%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-02 09:29:27

End at: 2018-01-02 09:29:57

Local clock offset: 1.459 ms

Remote clock offset: -1.41 ms

Below is generated by plot.py at 2018-01-02 15:04:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 873.77 Mbit/s

95th percentile per-packet one-way delay: 14.594 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 506.30 Mbit/s

95th percentile per-packet one-way delay: 15.553 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 392.63 Mbit/s

95th percentile per-packet one-way delay: 4.535 ms

Loss rate: 0.09%

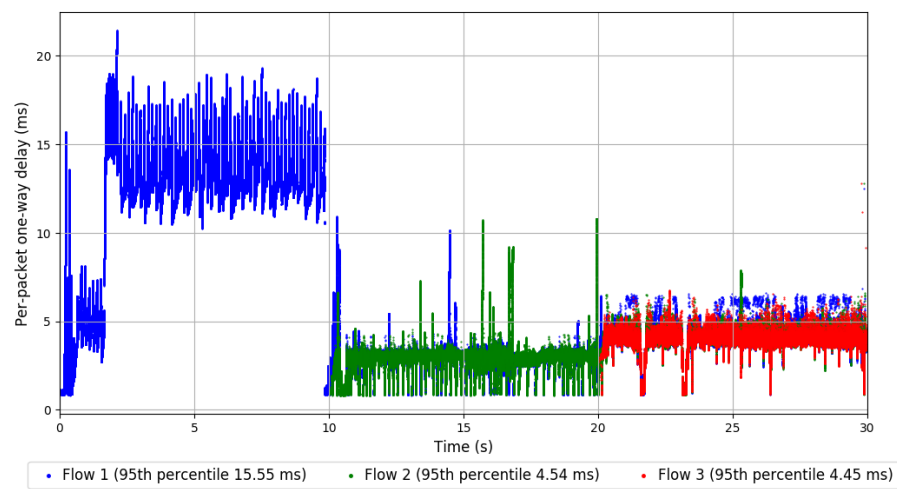
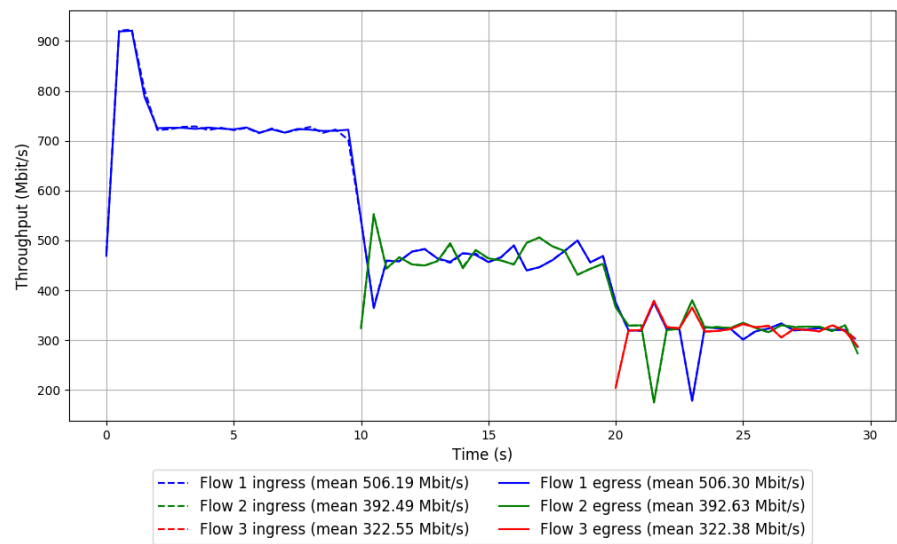
-- Flow 3:

Average throughput: 322.38 Mbit/s

95th percentile per-packet one-way delay: 4.451 ms

Loss rate: 0.23%

Run 7: Report of TCP BBR — Data Link

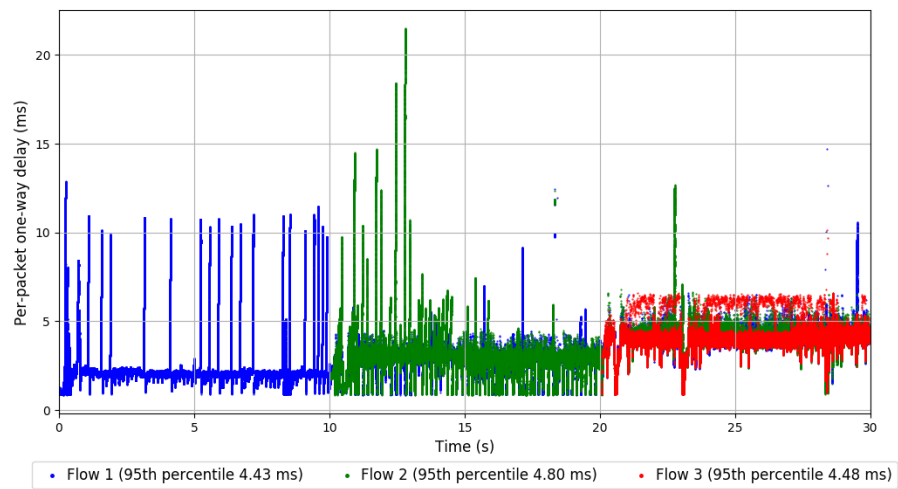
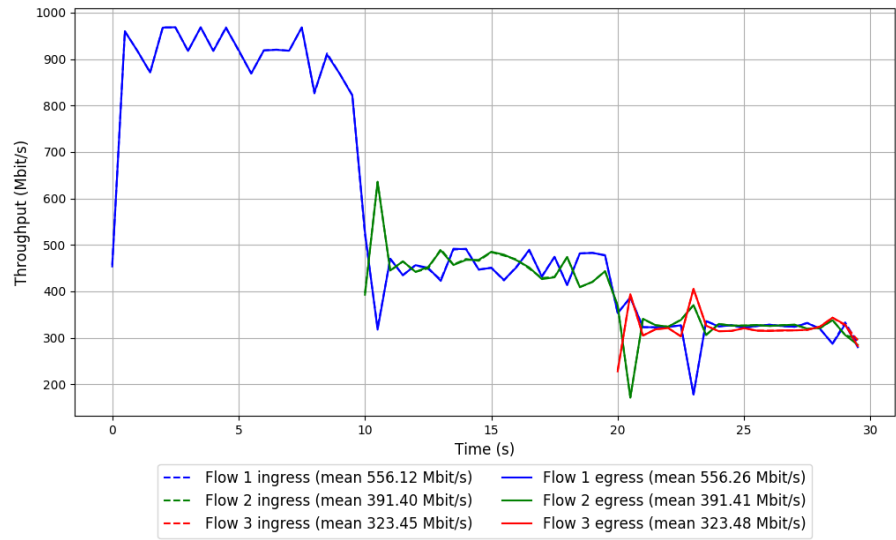


Run 8: Statistics of TCP BBR

Start at: 2018-01-02 09:51:38
End at: 2018-01-02 09:52:08
Local clock offset: 1.302 ms
Remote clock offset: -1.026 ms

Below is generated by plot.py at 2018-01-02 15:04:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 923.82 Mbit/s
95th percentile per-packet one-way delay: 4.538 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 556.26 Mbit/s
95th percentile per-packet one-way delay: 4.433 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 391.41 Mbit/s
95th percentile per-packet one-way delay: 4.803 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 323.48 Mbit/s
95th percentile per-packet one-way delay: 4.484 ms
Loss rate: 0.21%

Run 8: Report of TCP BBR — Data Link

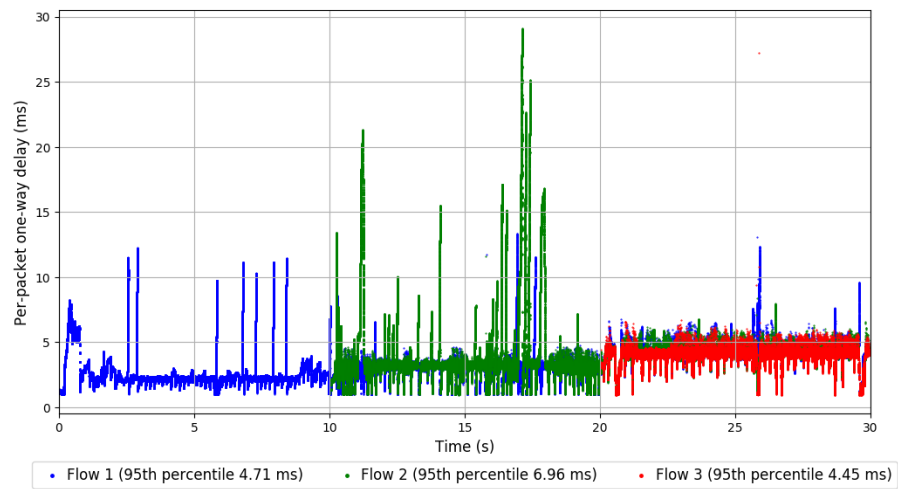
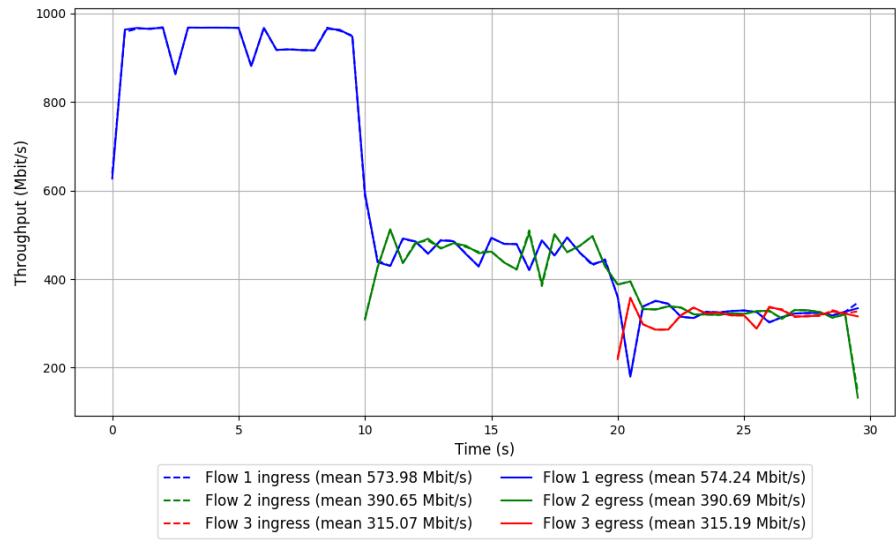


Run 9: Statistics of TCP BBR

Start at: 2018-01-02 10:14:01
End at: 2018-01-02 10:14:31
Local clock offset: 1.262 ms
Remote clock offset: -1.068 ms

Below is generated by plot.py at 2018-01-02 15:16:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 938.41 Mbit/s
95th percentile per-packet one-way delay: 4.991 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 574.24 Mbit/s
95th percentile per-packet one-way delay: 4.711 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 390.69 Mbit/s
95th percentile per-packet one-way delay: 6.955 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 315.19 Mbit/s
95th percentile per-packet one-way delay: 4.454 ms
Loss rate: 0.23%

Run 9: Report of TCP BBR — Data Link

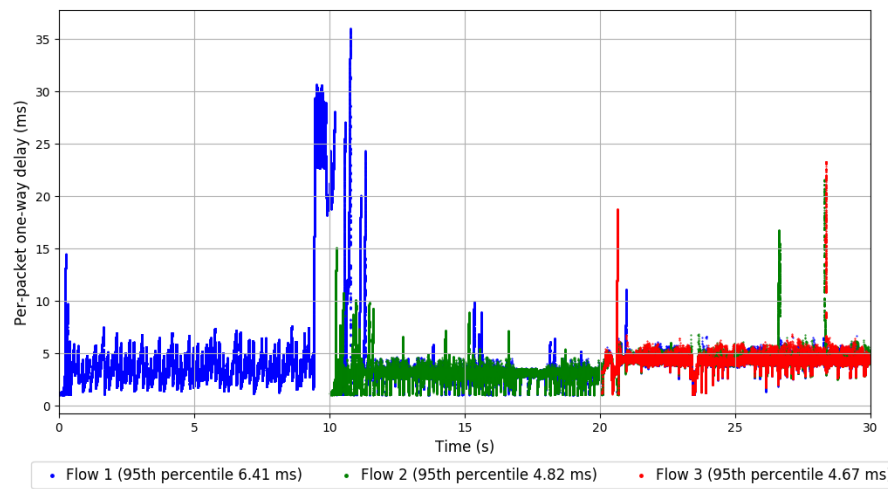
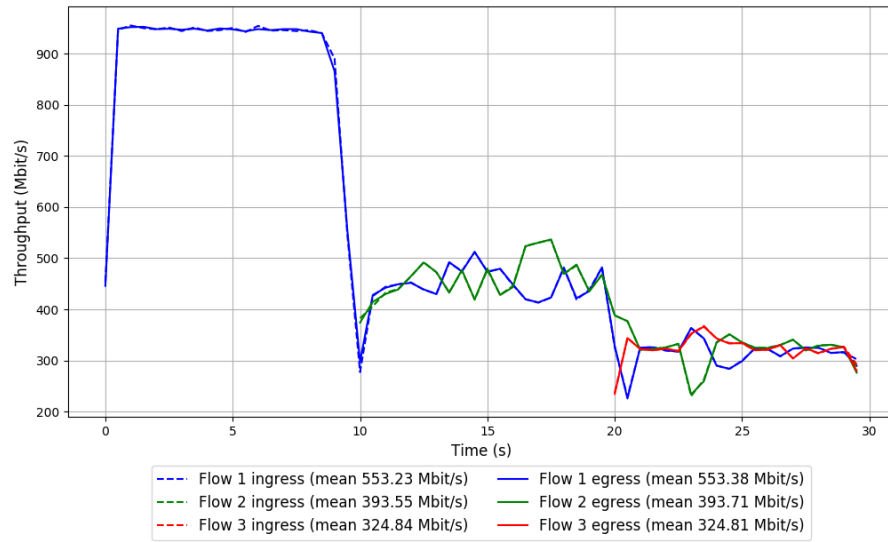


Run 10: Statistics of TCP BBR

Start at: 2018-01-02 10:36:24
End at: 2018-01-02 10:36:54
Local clock offset: 1.197 ms
Remote clock offset: -1.127 ms

Below is generated by plot.py at 2018-01-02 15:16:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 922.94 Mbit/s
95th percentile per-packet one-way delay: 5.819 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 553.38 Mbit/s
95th percentile per-packet one-way delay: 6.409 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.71 Mbit/s
95th percentile per-packet one-way delay: 4.823 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 324.81 Mbit/s
95th percentile per-packet one-way delay: 4.667 ms
Loss rate: 0.23%

Run 10: Report of TCP BBR — Data Link

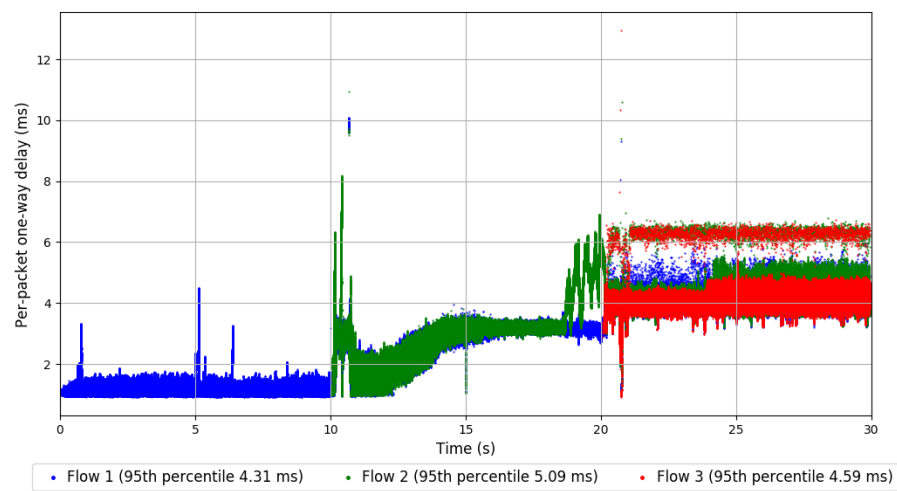
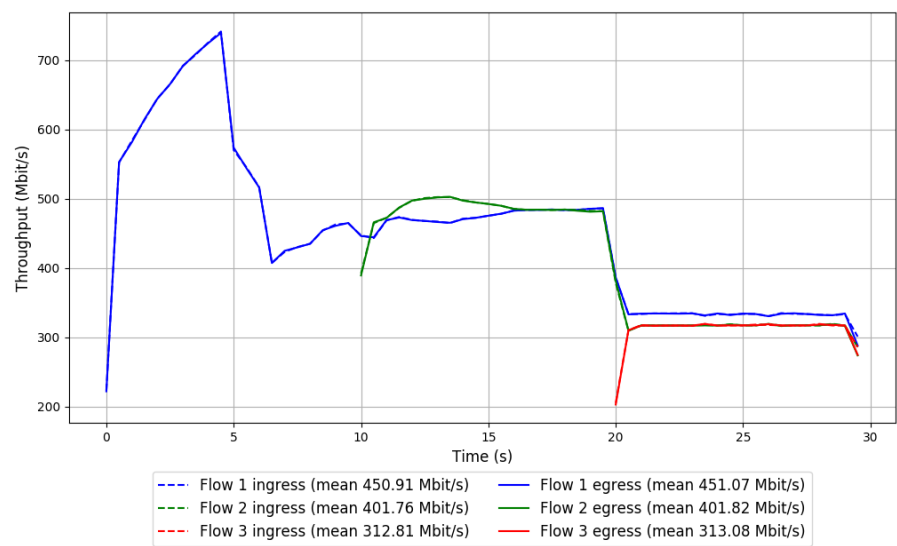


Run 1: Statistics of TCP Cubic

Start at: 2018-01-02 07:28:51
End at: 2018-01-02 07:29:21
Local clock offset: 0.37 ms
Remote clock offset: -3.042 ms

Below is generated by plot.py at 2018-01-02 15:16:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 821.90 Mbit/s
95th percentile per-packet one-way delay: 4.522 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 451.07 Mbit/s
95th percentile per-packet one-way delay: 4.314 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 401.82 Mbit/s
95th percentile per-packet one-way delay: 5.088 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 313.08 Mbit/s
95th percentile per-packet one-way delay: 4.595 ms
Loss rate: 0.22%

Run 1: Report of TCP Cubic — Data Link

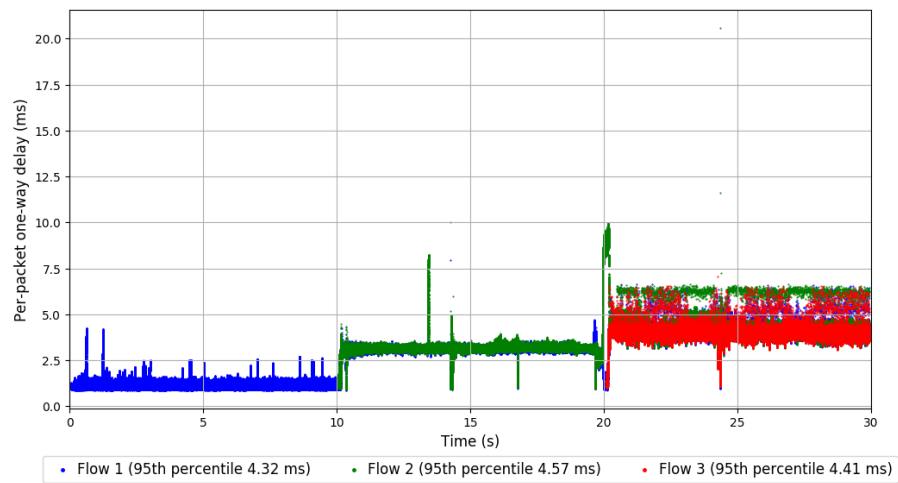
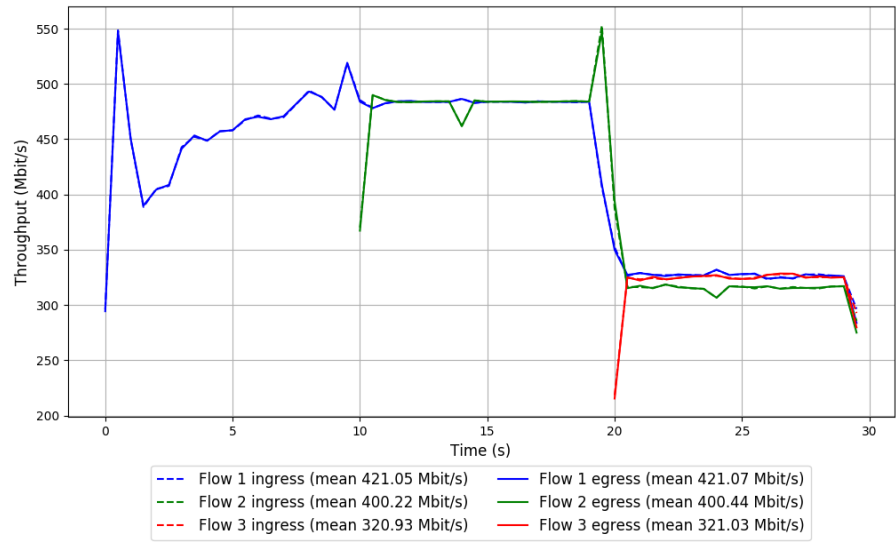


Run 2: Statistics of TCP Cubic

Start at: 2018-01-02 07:50:58
End at: 2018-01-02 07:51:28
Local clock offset: 0.574 ms
Remote clock offset: -2.405 ms

Below is generated by plot.py at 2018-01-02 15:16:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 793.78 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 421.07 Mbit/s
95th percentile per-packet one-way delay: 4.316 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 400.44 Mbit/s
95th percentile per-packet one-way delay: 4.571 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 321.03 Mbit/s
95th percentile per-packet one-way delay: 4.406 ms
Loss rate: 0.24%

Run 2: Report of TCP Cubic — Data Link

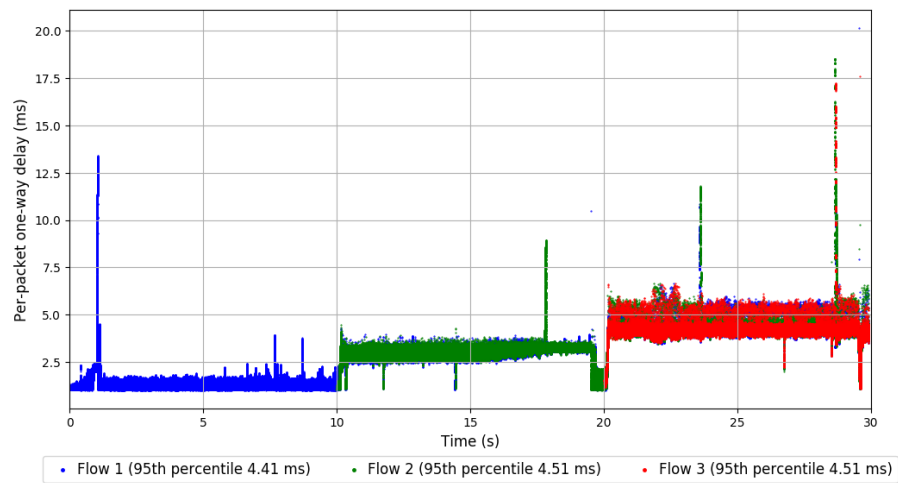
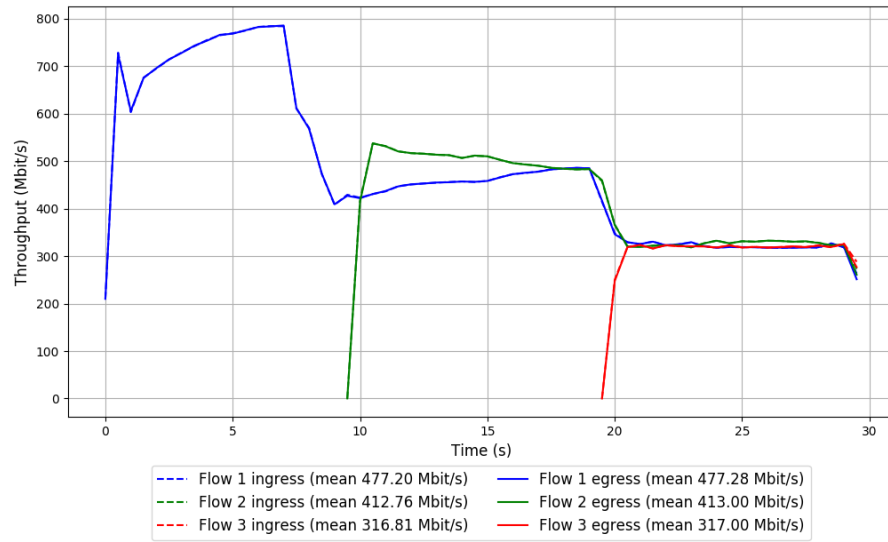


Run 3: Statistics of TCP Cubic

Start at: 2018-01-02 08:13:02
End at: 2018-01-02 08:13:32
Local clock offset: 0.922 ms
Remote clock offset: -1.855 ms

Below is generated by plot.py at 2018-01-02 15:16:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 857.59 Mbit/s
95th percentile per-packet one-way delay: 4.466 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 477.28 Mbit/s
95th percentile per-packet one-way delay: 4.411 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 413.00 Mbit/s
95th percentile per-packet one-way delay: 4.515 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.00 Mbit/s
95th percentile per-packet one-way delay: 4.506 ms
Loss rate: 0.23%

Run 3: Report of TCP Cubic — Data Link

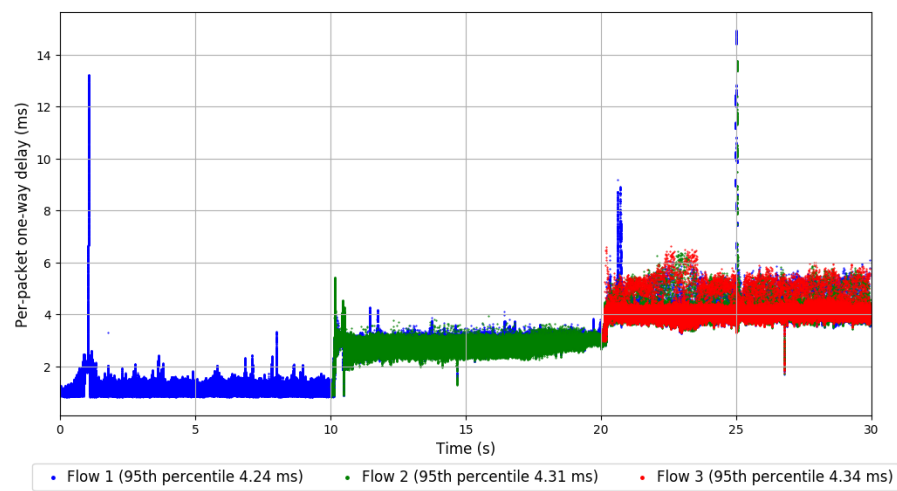
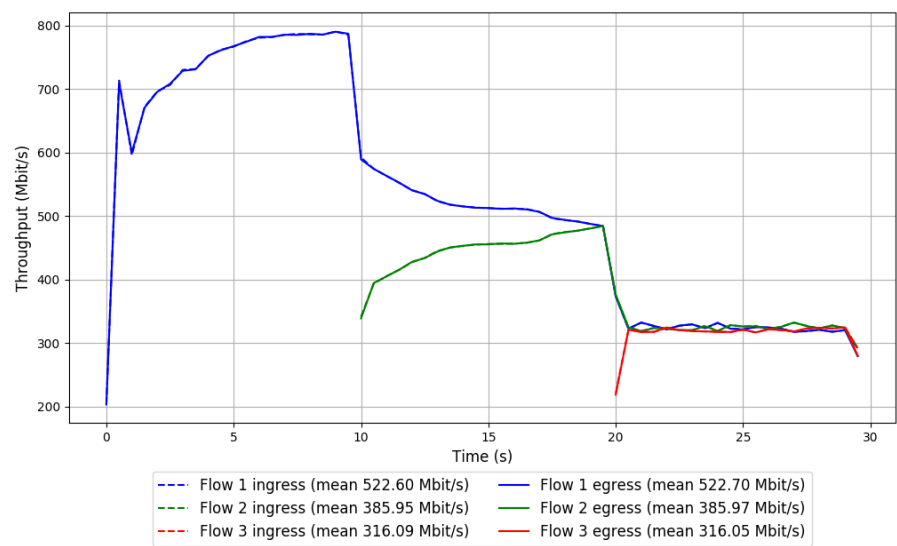


Run 4: Statistics of TCP Cubic

Start at: 2018-01-02 08:35:14
End at: 2018-01-02 08:35:44
Local clock offset: 1.039 ms
Remote clock offset: -1.907 ms

Below is generated by plot.py at 2018-01-02 15:16:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 884.24 Mbit/s
95th percentile per-packet one-way delay: 4.283 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 522.70 Mbit/s
95th percentile per-packet one-way delay: 4.240 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 385.97 Mbit/s
95th percentile per-packet one-way delay: 4.308 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.05 Mbit/s
95th percentile per-packet one-way delay: 4.343 ms
Loss rate: 0.24%

Run 4: Report of TCP Cubic — Data Link

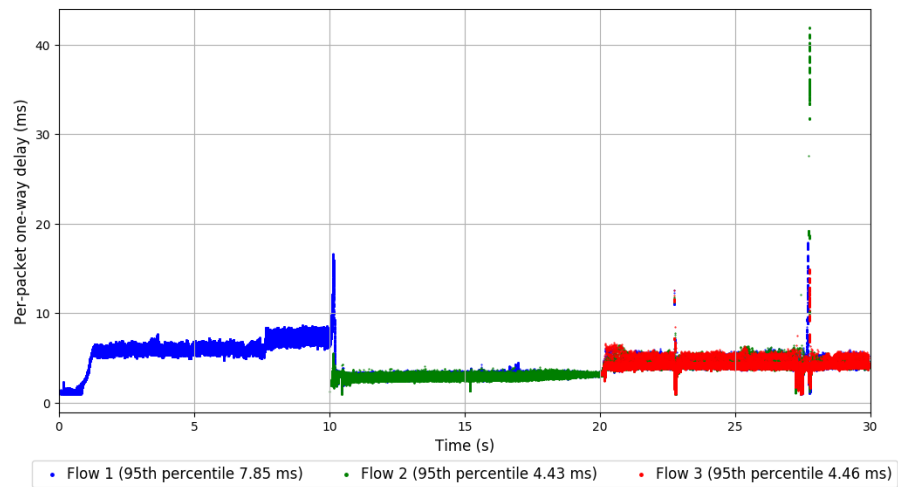
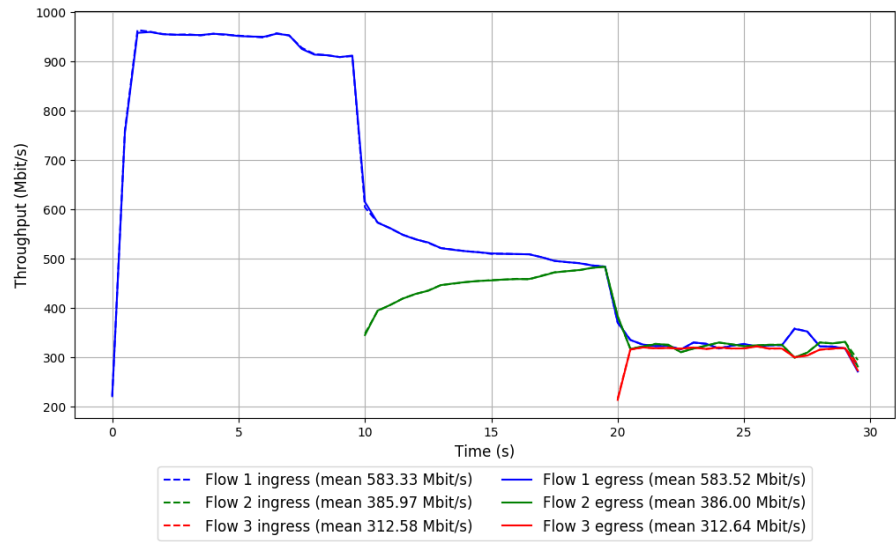


Run 5: Statistics of TCP Cubic

Start at: 2018-01-02 08:57:30
End at: 2018-01-02 08:58:00
Local clock offset: 1.29 ms
Remote clock offset: -1.783 ms

Below is generated by plot.py at 2018-01-02 15:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 943.84 Mbit/s
95th percentile per-packet one-way delay: 7.636 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 583.52 Mbit/s
95th percentile per-packet one-way delay: 7.850 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 386.00 Mbit/s
95th percentile per-packet one-way delay: 4.431 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 312.64 Mbit/s
95th percentile per-packet one-way delay: 4.463 ms
Loss rate: 0.24%

Run 5: Report of TCP Cubic — Data Link

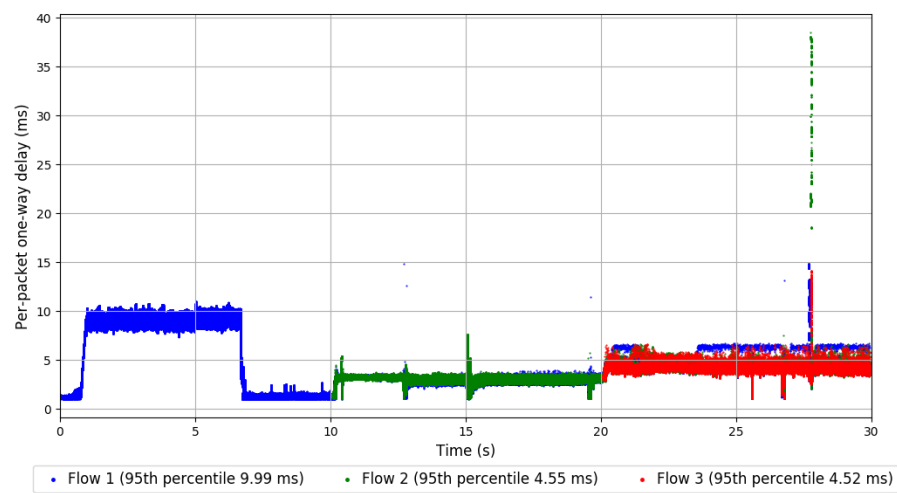
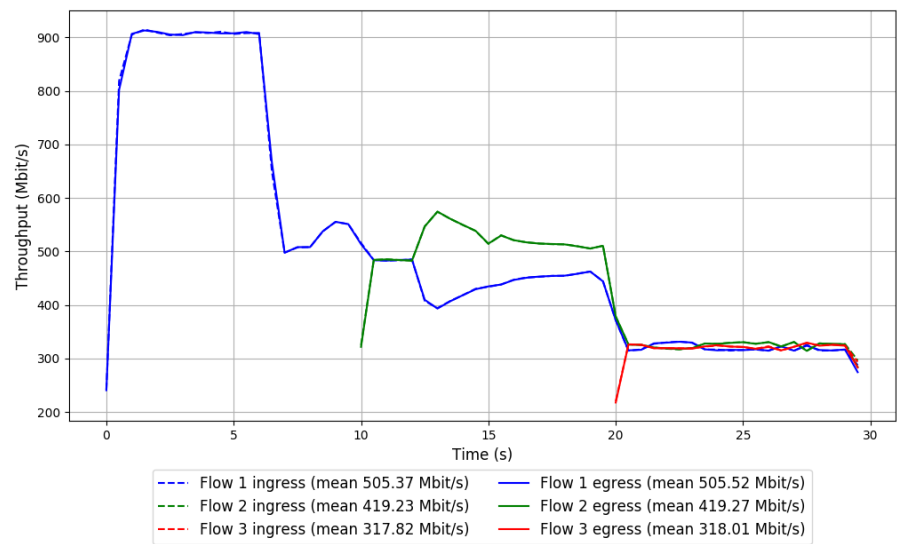


Run 6: Statistics of TCP Cubic

Start at: 2018-01-02 09:19:40
End at: 2018-01-02 09:20:10
Local clock offset: 1.613 ms
Remote clock offset: -1.685 ms

Below is generated by plot.py at 2018-01-02 15:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 889.59 Mbit/s
95th percentile per-packet one-way delay: 9.847 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 505.52 Mbit/s
95th percentile per-packet one-way delay: 9.988 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 419.27 Mbit/s
95th percentile per-packet one-way delay: 4.546 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.01 Mbit/s
95th percentile per-packet one-way delay: 4.517 ms
Loss rate: 0.23%

Run 6: Report of TCP Cubic — Data Link

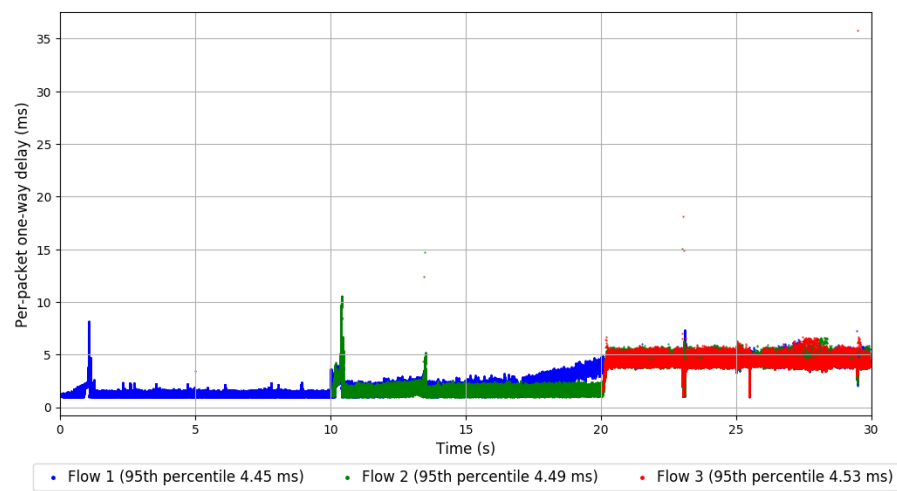
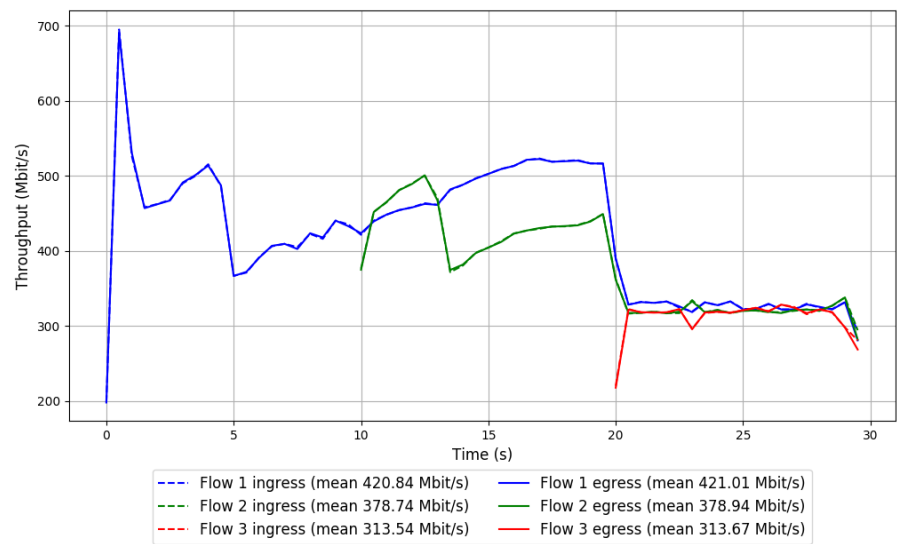


Run 7: Statistics of TCP Cubic

Start at: 2018-01-02 09:41:54
End at: 2018-01-02 09:42:24
Local clock offset: 1.37 ms
Remote clock offset: -1.269 ms

Below is generated by plot.py at 2018-01-02 15:25:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 777.05 Mbit/s
95th percentile per-packet one-way delay: 4.478 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 421.01 Mbit/s
95th percentile per-packet one-way delay: 4.448 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 378.94 Mbit/s
95th percentile per-packet one-way delay: 4.489 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 313.67 Mbit/s
95th percentile per-packet one-way delay: 4.525 ms
Loss rate: 0.24%

Run 7: Report of TCP Cubic — Data Link

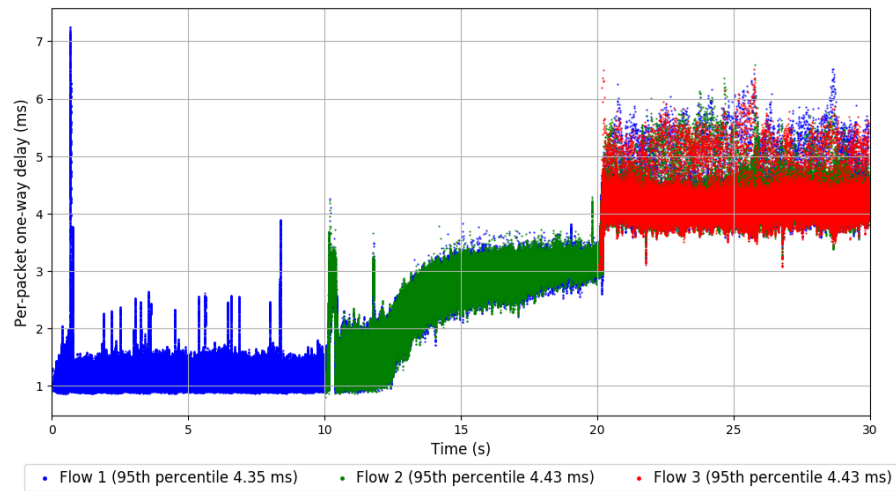
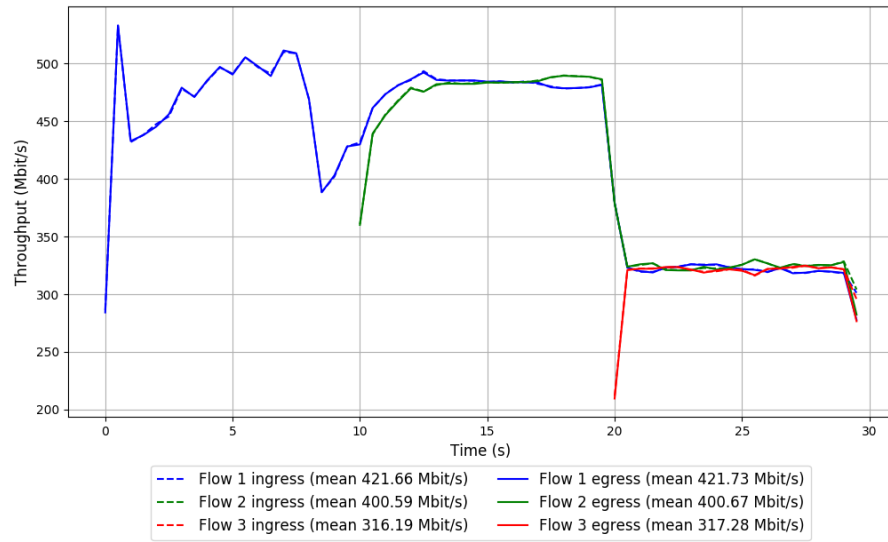


Run 8: Statistics of TCP Cubic

Start at: 2018-01-02 10:04:20
End at: 2018-01-02 10:04:50
Local clock offset: 1.338 ms
Remote clock offset: -0.805 ms

Below is generated by plot.py at 2018-01-02 15:26:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 793.39 Mbit/s
95th percentile per-packet one-way delay: 4.391 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 421.73 Mbit/s
95th percentile per-packet one-way delay: 4.347 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 400.67 Mbit/s
95th percentile per-packet one-way delay: 4.427 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 317.28 Mbit/s
95th percentile per-packet one-way delay: 4.434 ms
Loss rate: 0.35%

Run 8: Report of TCP Cubic — Data Link

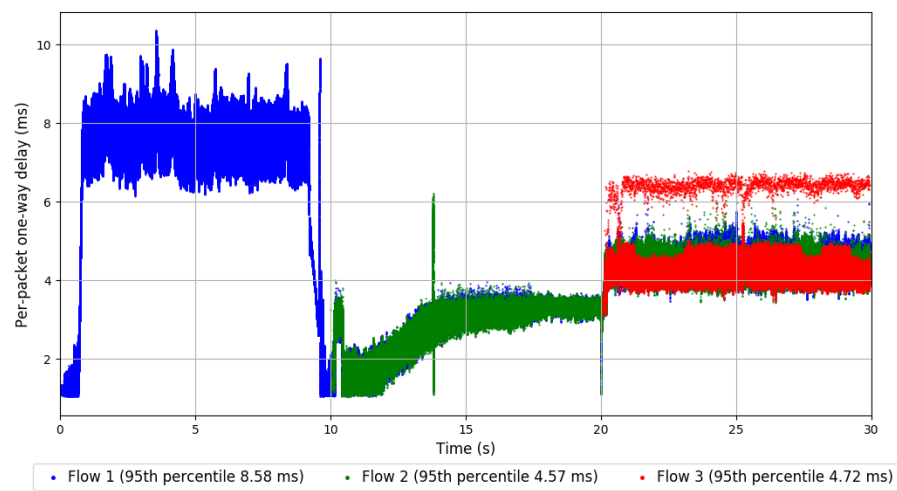
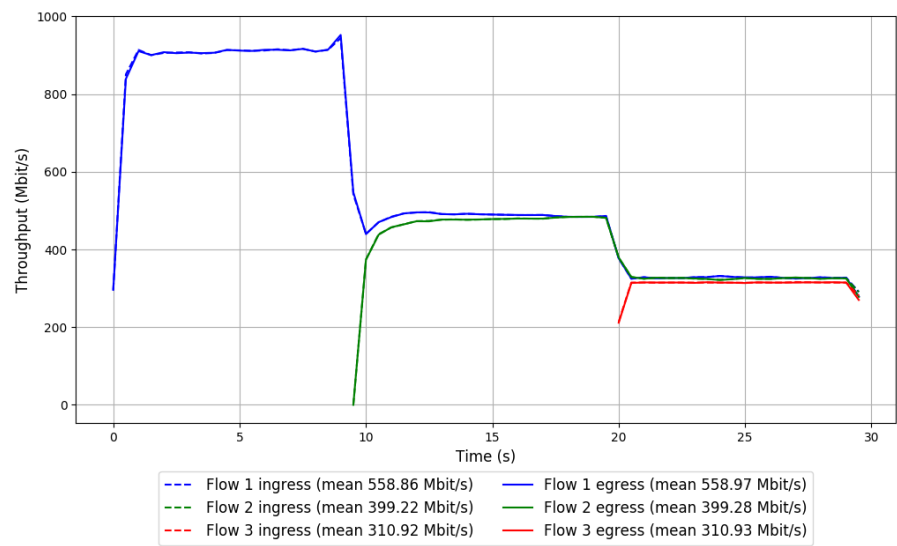


Run 9: Statistics of TCP Cubic

Start at: 2018-01-02 10:26:34
End at: 2018-01-02 10:27:04
Local clock offset: 1.124 ms
Remote clock offset: -1.226 ms

Below is generated by plot.py at 2018-01-02 15:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 927.56 Mbit/s
95th percentile per-packet one-way delay: 8.432 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 558.97 Mbit/s
95th percentile per-packet one-way delay: 8.579 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 399.28 Mbit/s
95th percentile per-packet one-way delay: 4.573 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 310.93 Mbit/s
95th percentile per-packet one-way delay: 4.719 ms
Loss rate: 0.22%

Run 9: Report of TCP Cubic — Data Link

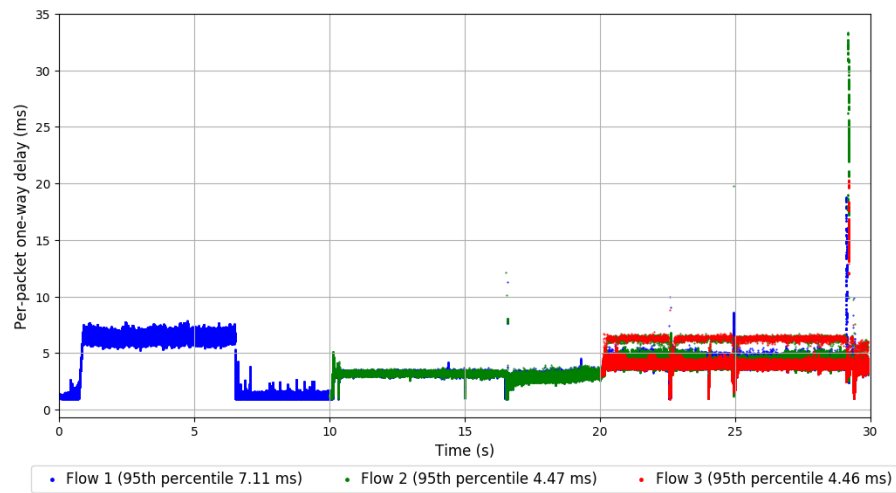
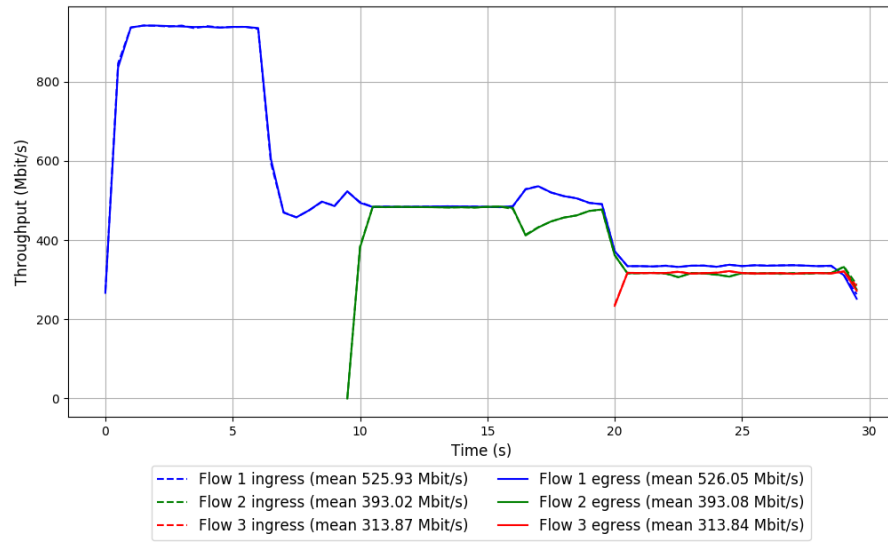


Run 10: Statistics of TCP Cubic

Start at: 2018-01-02 10:48:45
End at: 2018-01-02 10:49:15
Local clock offset: 1.167 ms
Remote clock offset: -0.971 ms

Below is generated by plot.py at 2018-01-02 15:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 891.87 Mbit/s
95th percentile per-packet one-way delay: 7.024 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 526.05 Mbit/s
95th percentile per-packet one-way delay: 7.110 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 393.08 Mbit/s
95th percentile per-packet one-way delay: 4.474 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 313.84 Mbit/s
95th percentile per-packet one-way delay: 4.460 ms
Loss rate: 0.24%

Run 10: Report of TCP Cubic — Data Link

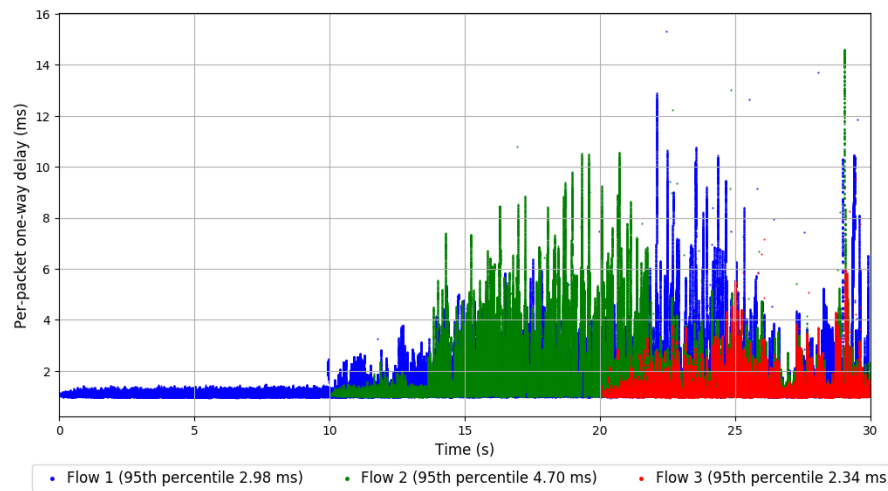
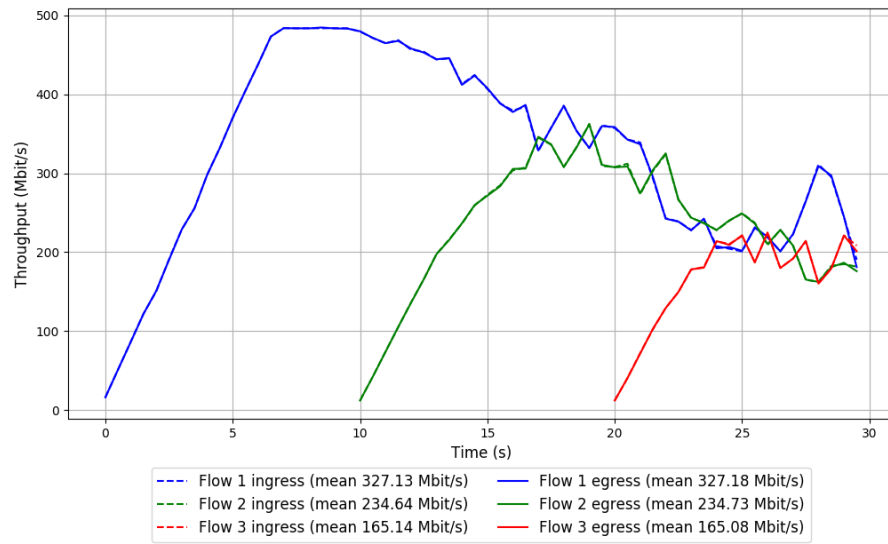


Run 1: Statistics of LEDBAT

Start at: 2018-01-02 07:22:31
End at: 2018-01-02 07:23:01
Local clock offset: 0.328 ms
Remote clock offset: -3.241 ms

Below is generated by plot.py at 2018-01-02 15:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 537.83 Mbit/s
95th percentile per-packet one-way delay: 3.567 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 327.18 Mbit/s
95th percentile per-packet one-way delay: 2.981 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 234.73 Mbit/s
95th percentile per-packet one-way delay: 4.698 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 165.08 Mbit/s
95th percentile per-packet one-way delay: 2.342 ms
Loss rate: 0.24%

Run 1: Report of LEDBAT — Data Link

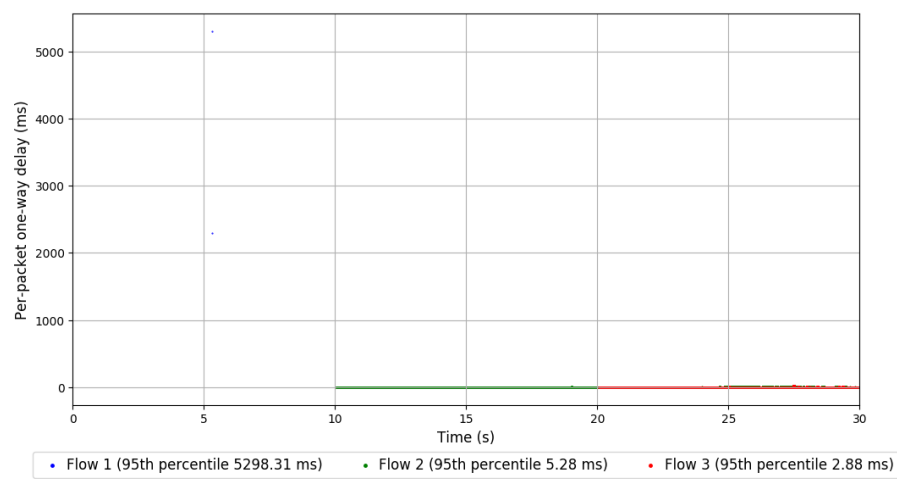
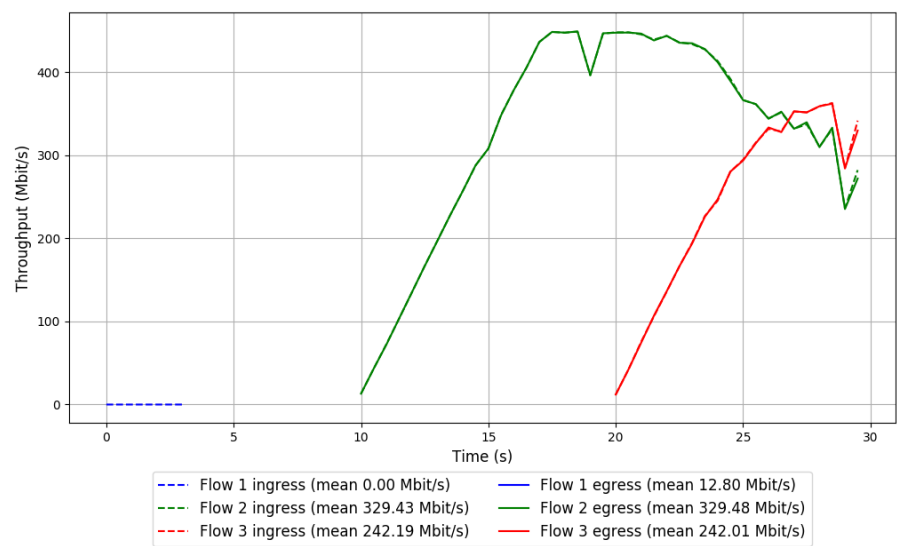


Run 2: Statistics of LEDBAT

Start at: 2018-01-02 07:44:48
End at: 2018-01-02 07:45:18
Local clock offset: 0.486 ms
Remote clock offset: -2.734 ms

Below is generated by plot.py at 2018-01-02 15:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.76 Mbit/s
95th percentile per-packet one-way delay: 5.098 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 5298.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 329.48 Mbit/s
95th percentile per-packet one-way delay: 5.277 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 242.01 Mbit/s
95th percentile per-packet one-way delay: 2.879 ms
Loss rate: 0.28%

Run 2: Report of LEDBAT — Data Link

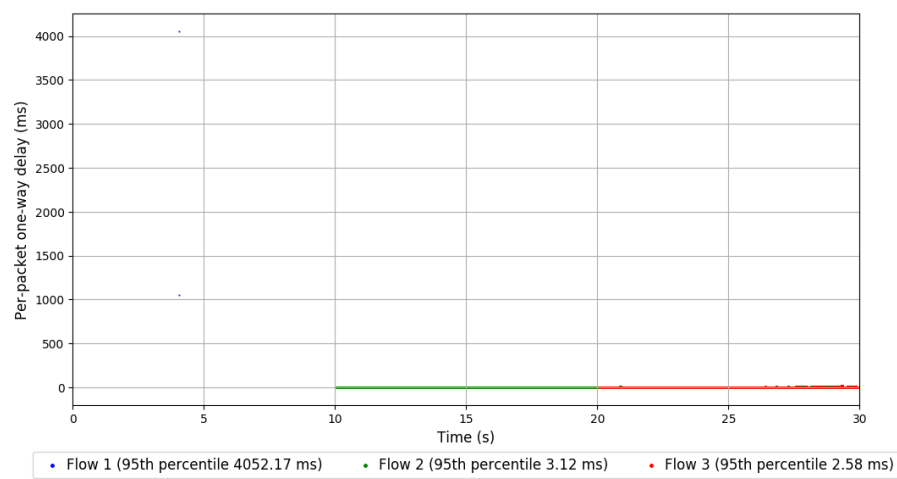
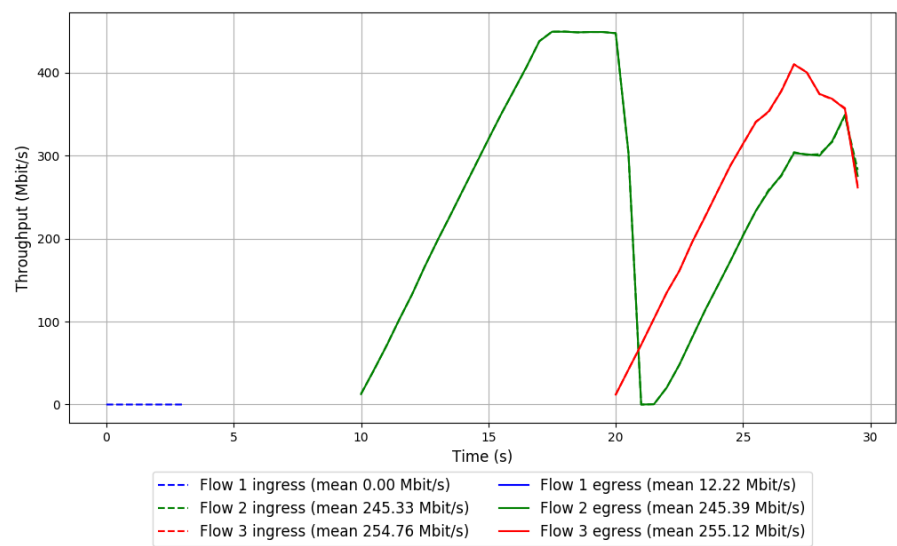


Run 3: Statistics of LEDBAT

Start at: 2018-01-02 08:06:56
End at: 2018-01-02 08:07:26
Local clock offset: 0.841 ms
Remote clock offset: -1.966 ms

Below is generated by plot.py at 2018-01-02 15:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.36 Mbit/s
95th percentile per-packet one-way delay: 2.874 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 4052.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 245.39 Mbit/s
95th percentile per-packet one-way delay: 3.120 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 255.12 Mbit/s
95th percentile per-packet one-way delay: 2.585 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

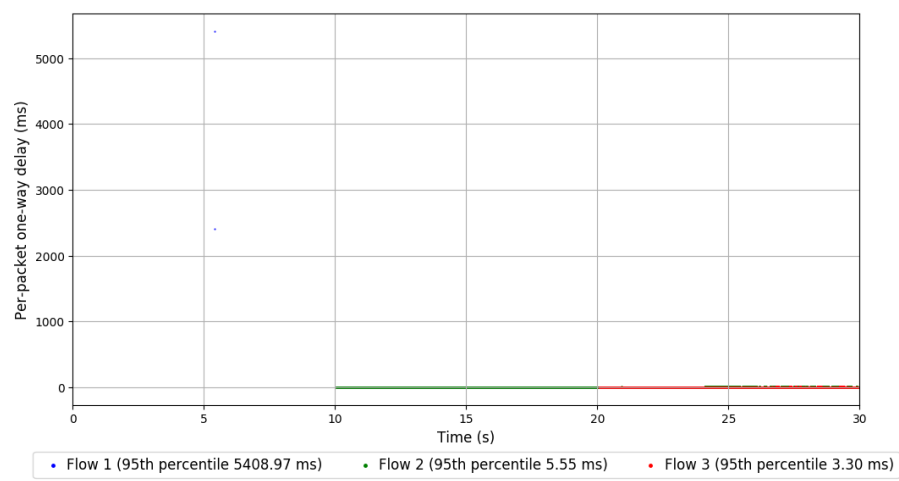
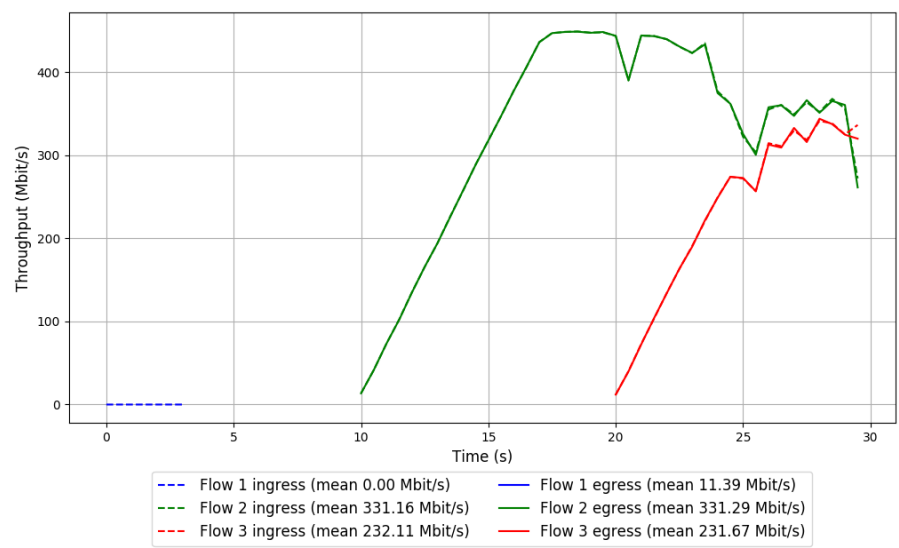


Run 4: Statistics of LEDBAT

Start at: 2018-01-02 08:29:06
End at: 2018-01-02 08:29:36
Local clock offset: 0.995 ms
Remote clock offset: -1.965 ms

Below is generated by plot.py at 2018-01-02 15:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.62 Mbit/s
95th percentile per-packet one-way delay: 5.436 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 5408.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 331.29 Mbit/s
95th percentile per-packet one-way delay: 5.547 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 231.67 Mbit/s
95th percentile per-packet one-way delay: 3.303 ms
Loss rate: 0.39%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-01-02 08:51:20

End at: 2018-01-02 08:51:50

Local clock offset: 1.198 ms

Remote clock offset: -1.7 ms

Below is generated by plot.py at 2018-01-02 15:29:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.81 Mbit/s

95th percentile per-packet one-way delay: 3.115 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1971.894 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 362.83 Mbit/s

95th percentile per-packet one-way delay: 2.049 ms

Loss rate: 0.11%

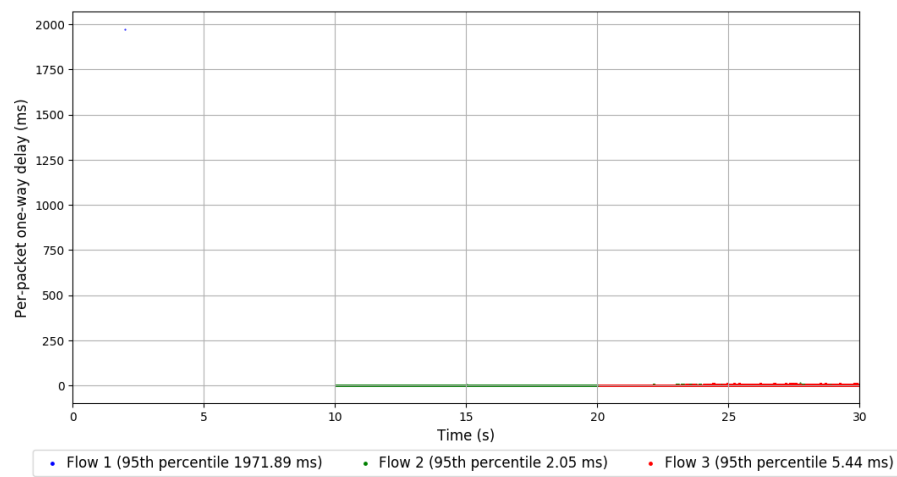
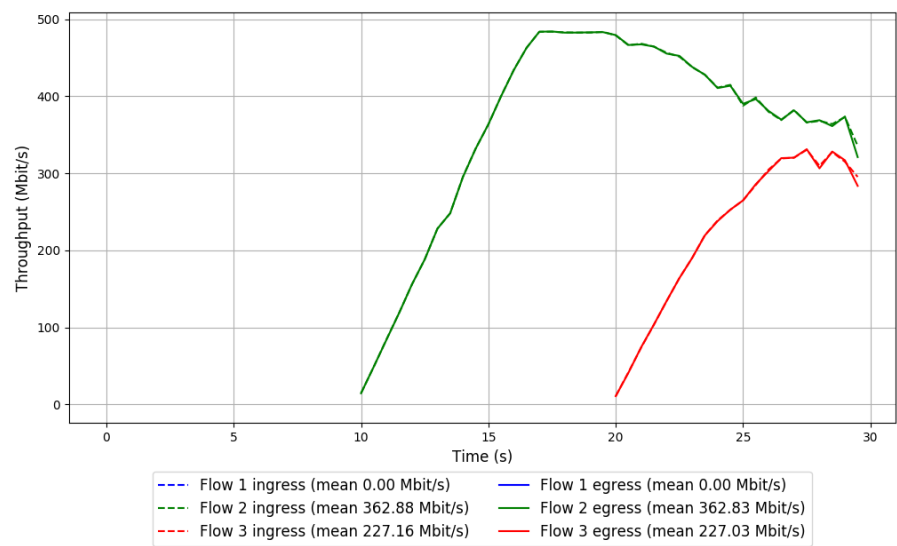
-- Flow 3:

Average throughput: 227.03 Mbit/s

95th percentile per-packet one-way delay: 5.437 ms

Loss rate: 0.29%

Run 5: Report of LEDBAT — Data Link

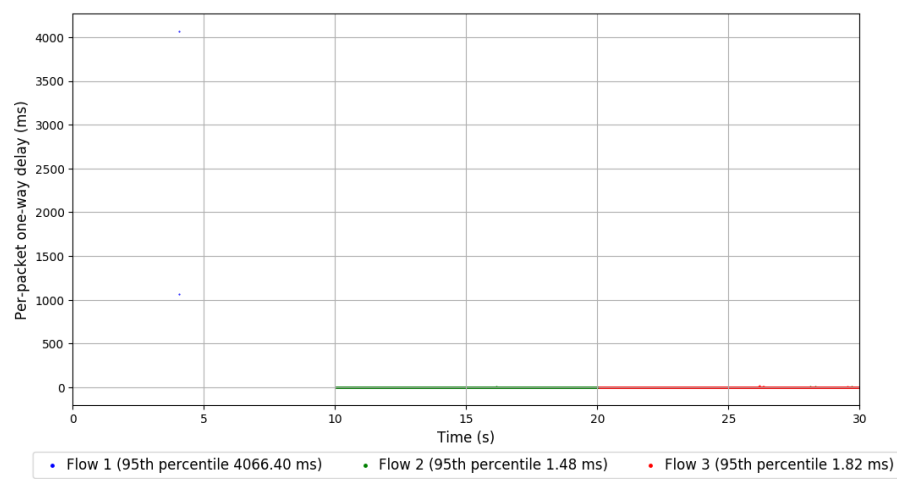
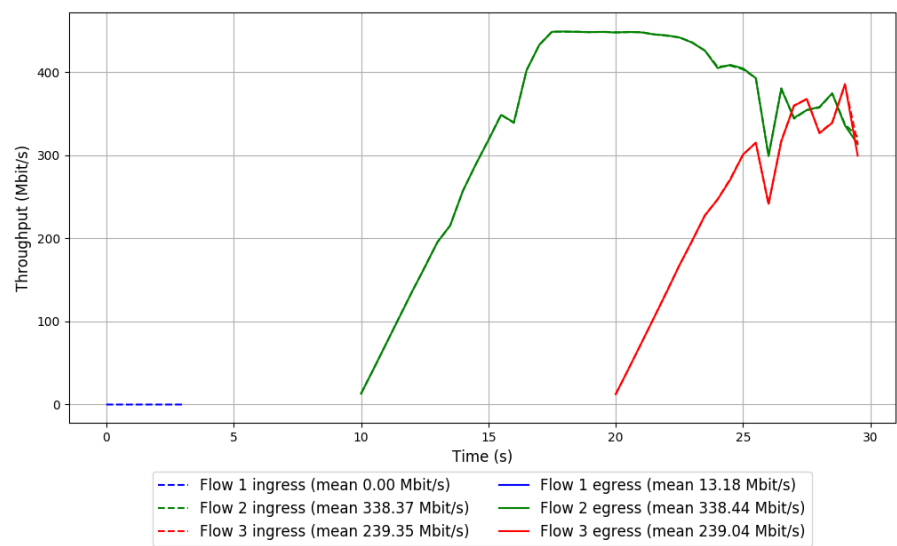


Run 6: Statistics of LEDBAT

Start at: 2018-01-02 09:13:36
End at: 2018-01-02 09:14:06
Local clock offset: 1.44 ms
Remote clock offset: -1.863 ms

Below is generated by plot.py at 2018-01-02 15:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.14 Mbit/s
95th percentile per-packet one-way delay: 1.600 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 13.18 Mbit/s
95th percentile per-packet one-way delay: 4066.397 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 338.44 Mbit/s
95th percentile per-packet one-way delay: 1.479 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 239.04 Mbit/s
95th percentile per-packet one-way delay: 1.824 ms
Loss rate: 0.33%

Run 6: Report of LEDBAT — Data Link

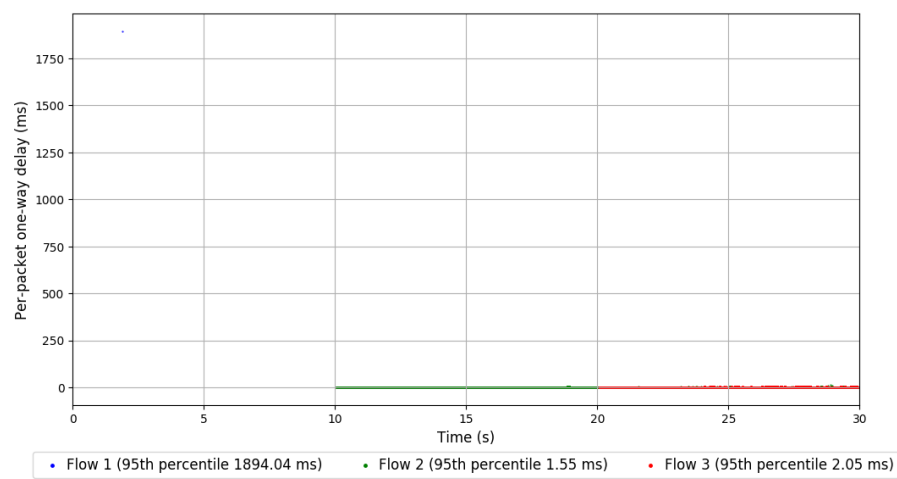
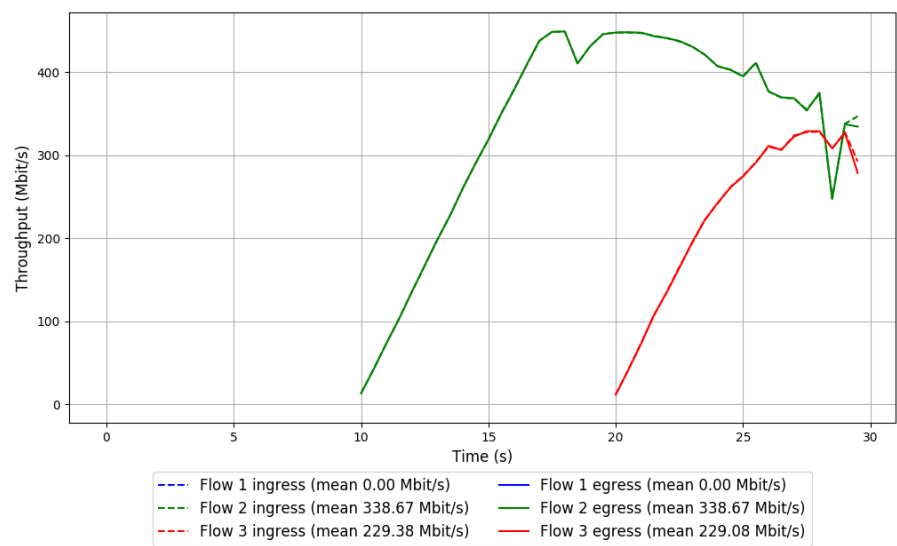


Run 7: Statistics of LEDBAT

Start at: 2018-01-02 09:35:43
End at: 2018-01-02 09:36:13
Local clock offset: 1.467 ms
Remote clock offset: -1.391 ms

Below is generated by plot.py at 2018-01-02 15:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.52 Mbit/s
95th percentile per-packet one-way delay: 1.720 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1894.038 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 338.67 Mbit/s
95th percentile per-packet one-way delay: 1.546 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 229.08 Mbit/s
95th percentile per-packet one-way delay: 2.050 ms
Loss rate: 0.32%

Run 7: Report of LEDBAT — Data Link

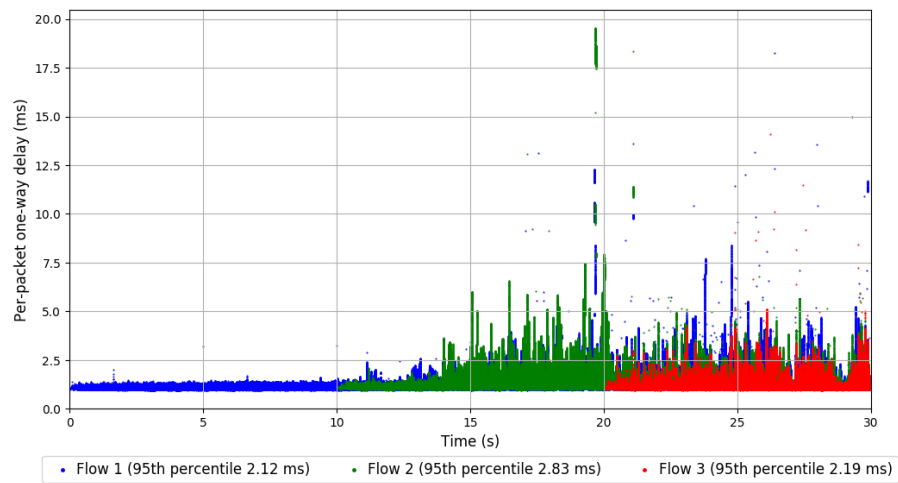
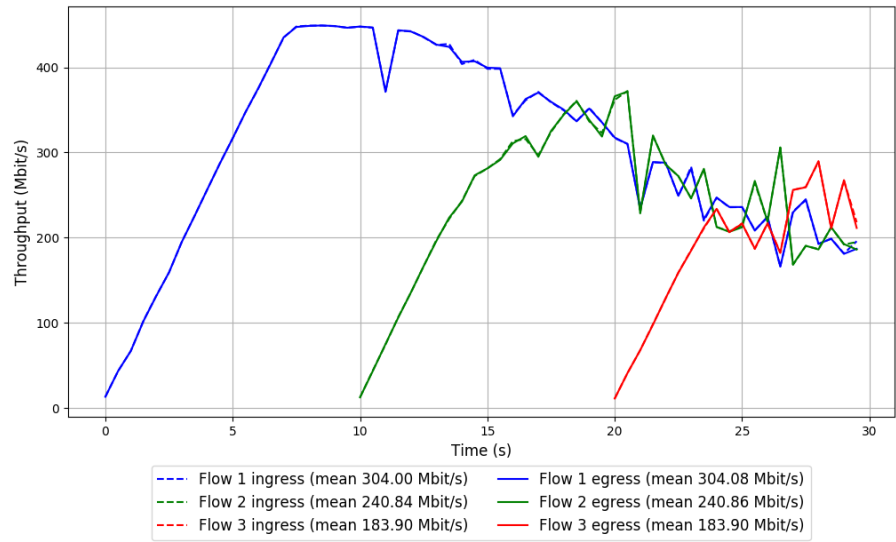


Run 8: Statistics of LEDBAT

Start at: 2018-01-02 09:58:01
End at: 2018-01-02 09:58:31
Local clock offset: 1.383 ms
Remote clock offset: -0.967 ms

Below is generated by plot.py at 2018-01-02 15:31:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 524.99 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 304.08 Mbit/s
95th percentile per-packet one-way delay: 2.125 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 240.86 Mbit/s
95th percentile per-packet one-way delay: 2.835 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 183.90 Mbit/s
95th percentile per-packet one-way delay: 2.195 ms
Loss rate: 0.19%

Run 8: Report of LEDBAT — Data Link

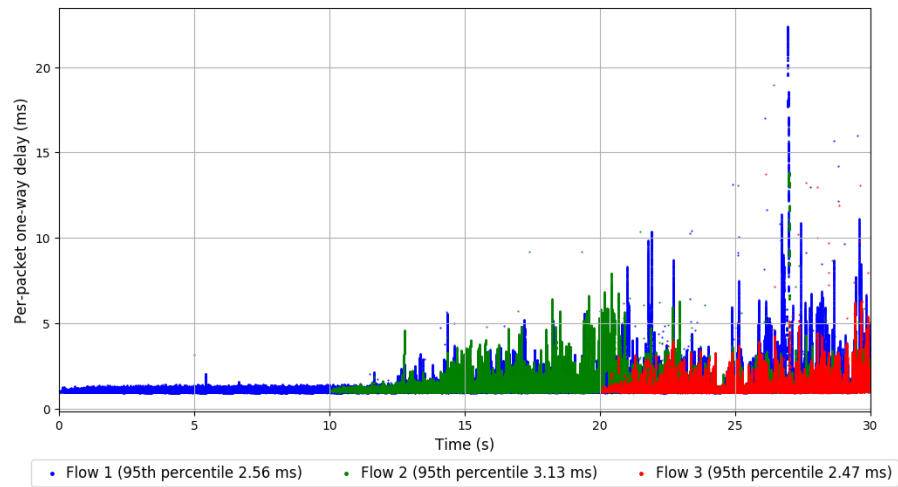
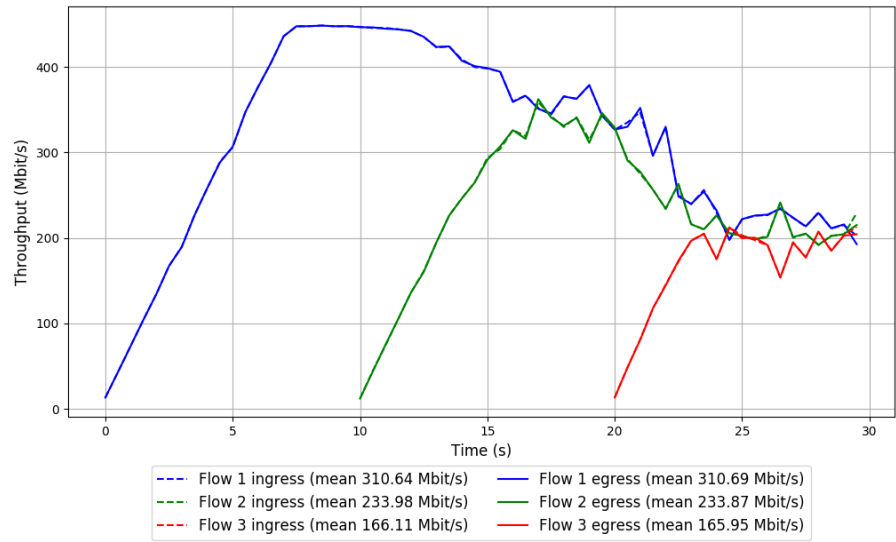


Run 9: Statistics of LEDBAT

Start at: 2018-01-02 10:20:11
End at: 2018-01-02 10:20:41
Local clock offset: 1.201 ms
Remote clock offset: -1.147 ms

Below is generated by plot.py at 2018-01-02 15:31:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 521.06 Mbit/s
95th percentile per-packet one-way delay: 2.731 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 310.69 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 233.87 Mbit/s
95th percentile per-packet one-way delay: 3.134 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 165.95 Mbit/s
95th percentile per-packet one-way delay: 2.467 ms
Loss rate: 0.29%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

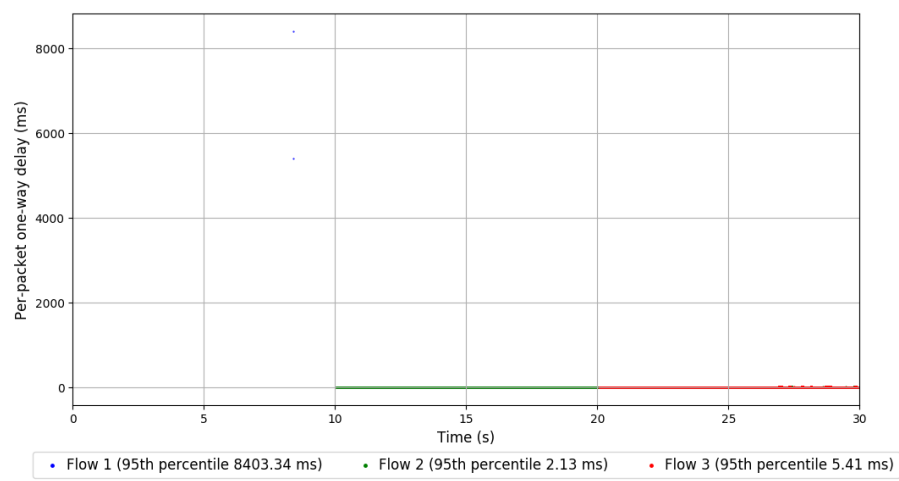
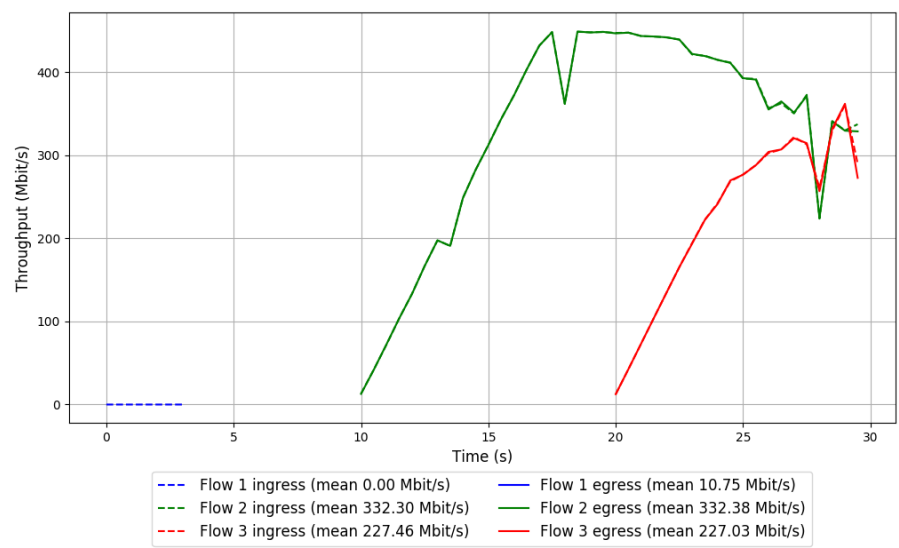
Start at: 2018-01-02 10:42:39

End at: 2018-01-02 10:43:09

Local clock offset: 1.141 ms

Remote clock offset: -1.036 ms

Run 10: Report of LEDBAT — Data Link

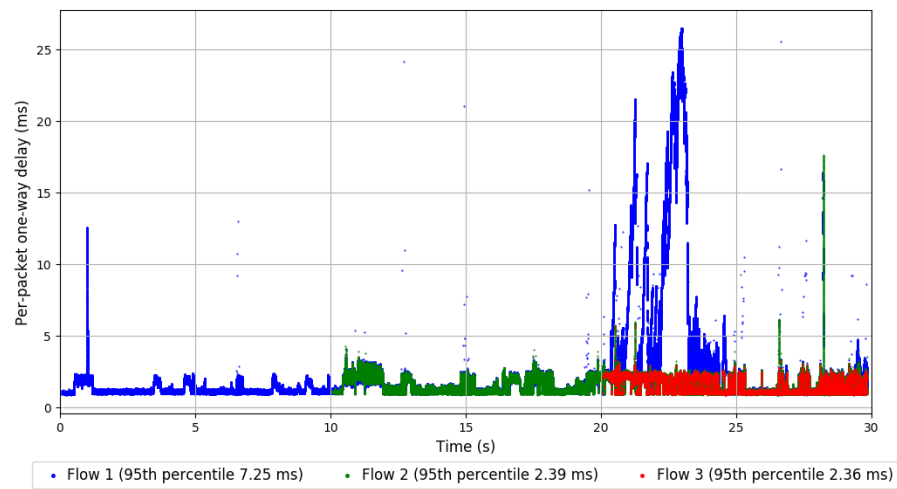
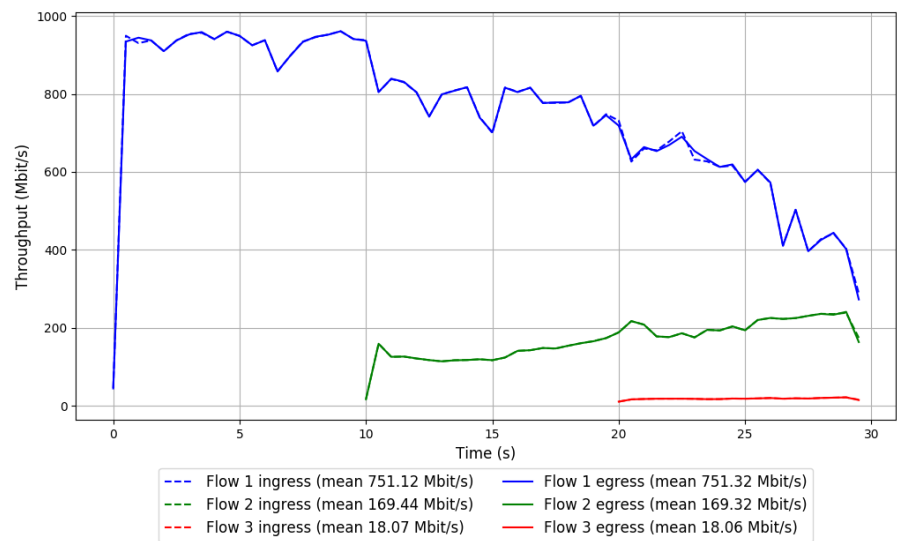


Run 1: Statistics of PCC

Start at: 2018-01-02 07:24:10
End at: 2018-01-02 07:24:40
Local clock offset: 0.349 ms
Remote clock offset: -3.149 ms

Below is generated by plot.py at 2018-01-02 15:38:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 869.70 Mbit/s
95th percentile per-packet one-way delay: 5.745 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 751.32 Mbit/s
95th percentile per-packet one-way delay: 7.249 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 169.32 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.27%

Run 1: Report of PCC — Data Link

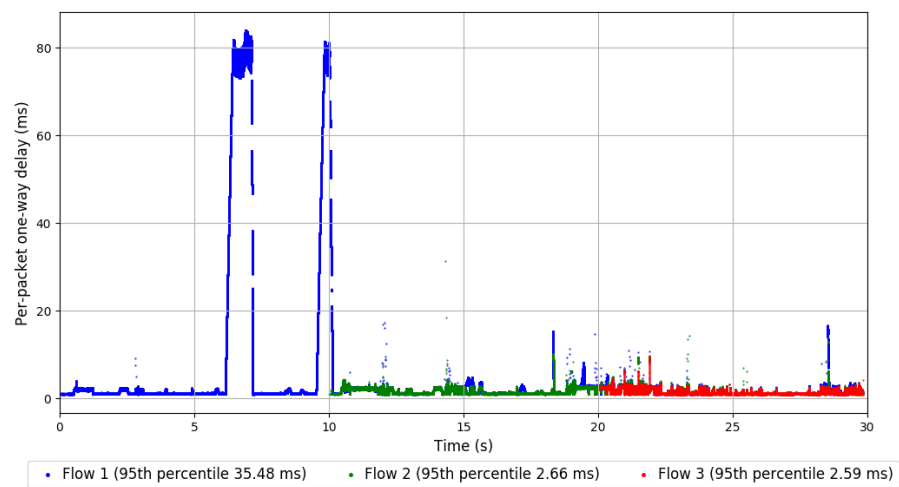
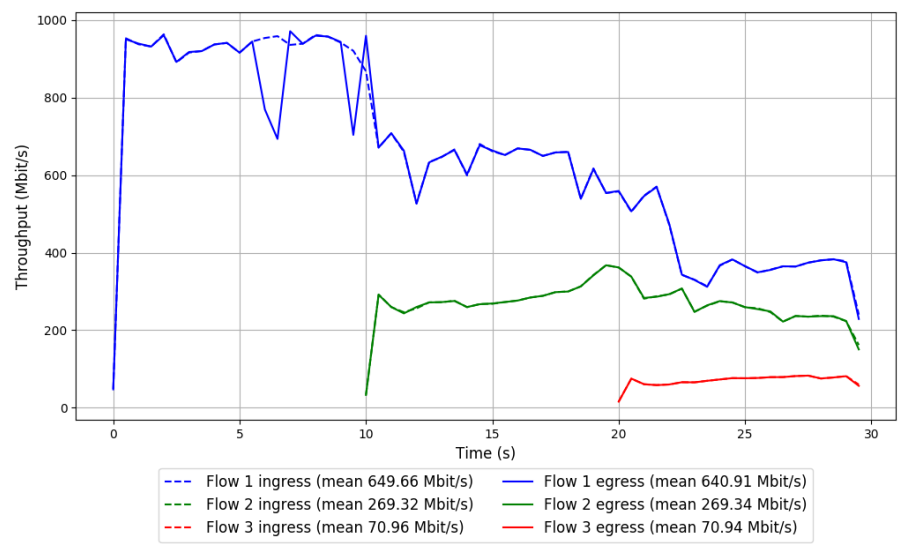


Run 2: Statistics of PCC

Start at: 2018-01-02 07:46:14
End at: 2018-01-02 07:46:44
Local clock offset: 0.511 ms
Remote clock offset: -2.606 ms

Below is generated by plot.py at 2018-01-02 15:38:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 843.04 Mbit/s
95th percentile per-packet one-way delay: 6.756 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 640.91 Mbit/s
95th percentile per-packet one-way delay: 35.484 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 269.34 Mbit/s
95th percentile per-packet one-way delay: 2.664 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 70.94 Mbit/s
95th percentile per-packet one-way delay: 2.590 ms
Loss rate: 0.25%

Run 2: Report of PCC — Data Link

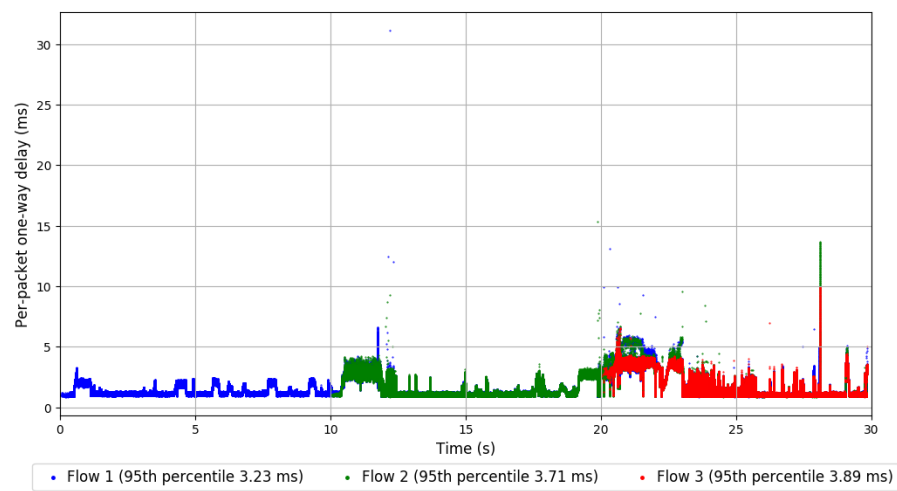
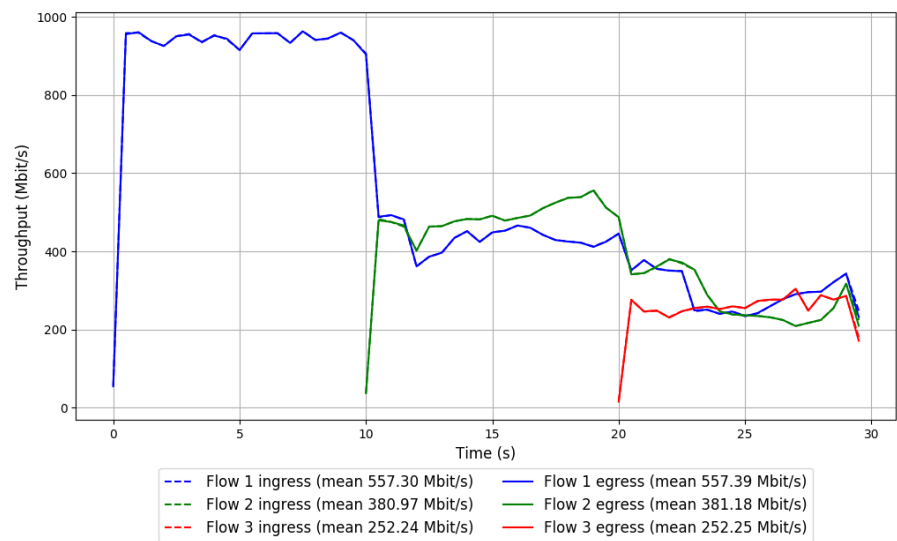


Run 3: Statistics of PCC

Start at: 2018-01-02 08:08:19
End at: 2018-01-02 08:08:49
Local clock offset: 0.789 ms
Remote clock offset: -1.919 ms

Below is generated by plot.py at 2018-01-02 15:39:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 893.51 Mbit/s
95th percentile per-packet one-way delay: 3.620 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 557.39 Mbit/s
95th percentile per-packet one-way delay: 3.230 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 381.18 Mbit/s
95th percentile per-packet one-way delay: 3.709 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 252.25 Mbit/s
95th percentile per-packet one-way delay: 3.890 ms
Loss rate: 0.21%

Run 3: Report of PCC — Data Link

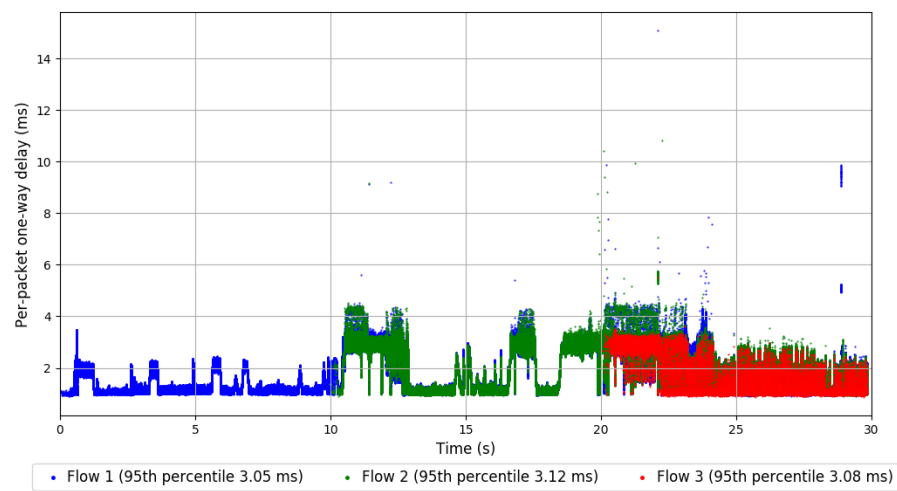
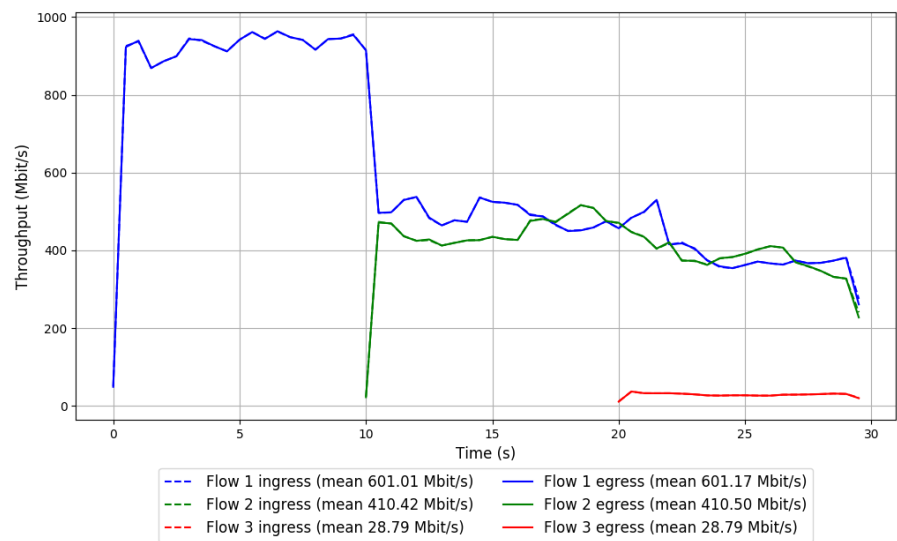


Run 4: Statistics of PCC

Start at: 2018-01-02 08:30:32
End at: 2018-01-02 08:31:02
Local clock offset: 1.005 ms
Remote clock offset: -1.968 ms

Below is generated by plot.py at 2018-01-02 15:41:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 883.18 Mbit/s
95th percentile per-packet one-way delay: 3.078 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 601.17 Mbit/s
95th percentile per-packet one-way delay: 3.047 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 410.50 Mbit/s
95th percentile per-packet one-way delay: 3.123 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 3.075 ms
Loss rate: 0.21%

Run 4: Report of PCC — Data Link

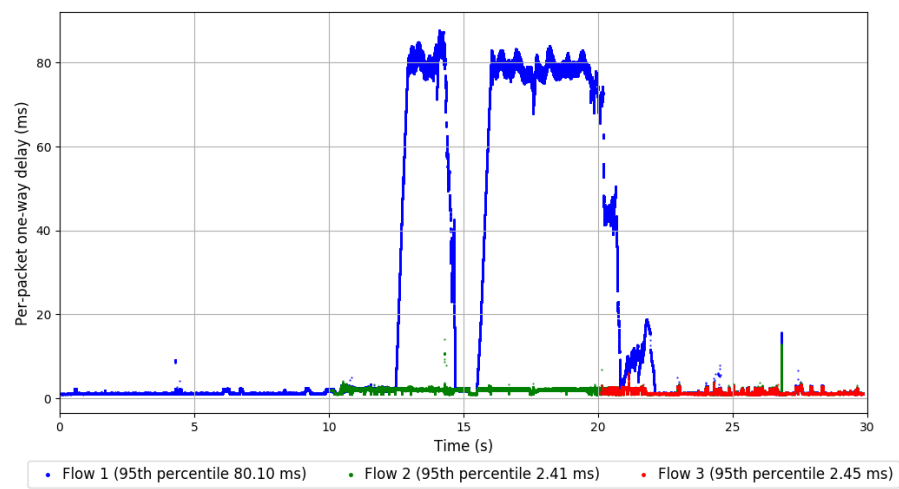
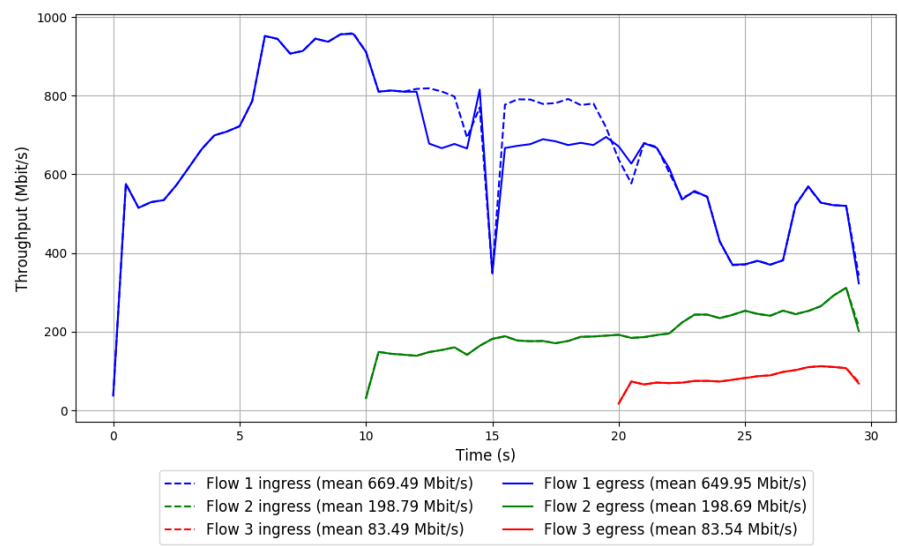


Run 5: Statistics of PCC

Start at: 2018-01-02 08:52:47
End at: 2018-01-02 08:53:17
Local clock offset: 1.299 ms
Remote clock offset: -1.641 ms

Below is generated by plot.py at 2018-01-02 15:41:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 809.26 Mbit/s
95th percentile per-packet one-way delay: 79.676 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 649.95 Mbit/s
95th percentile per-packet one-way delay: 80.098 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 198.69 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 2.447 ms
Loss rate: 0.25%

Run 5: Report of PCC — Data Link

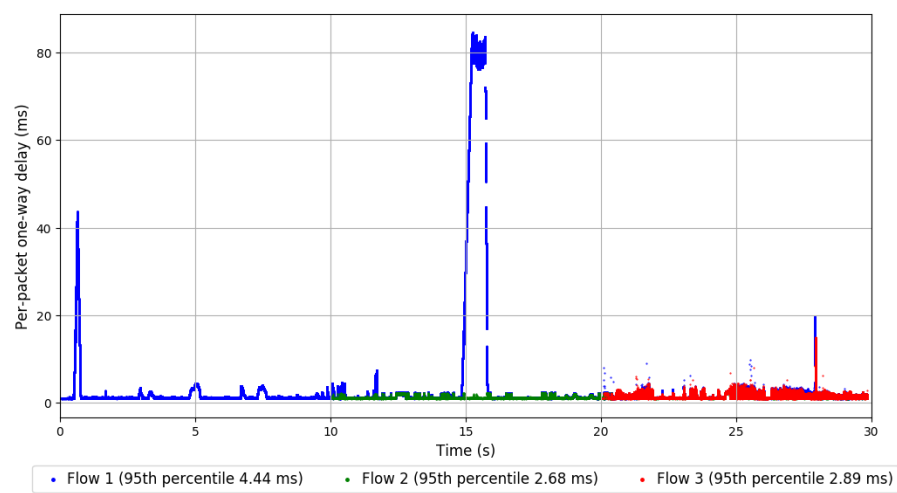
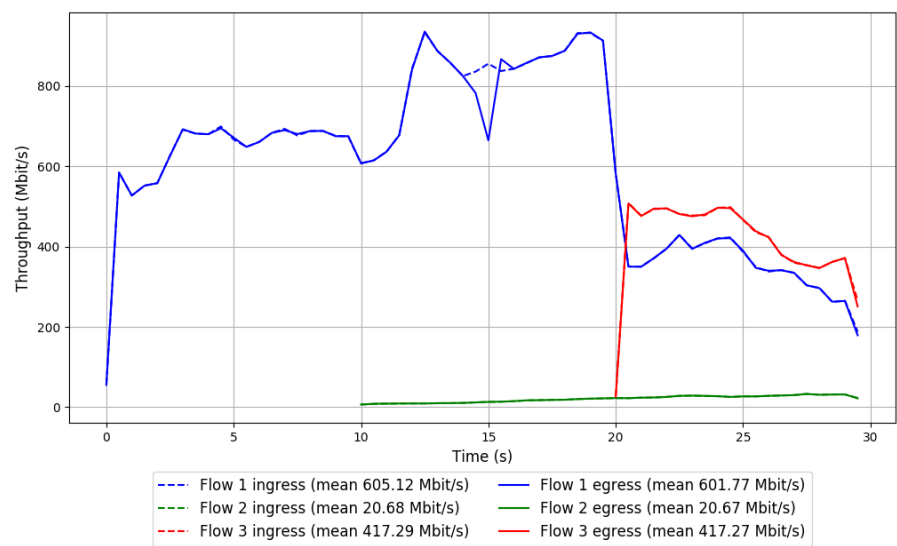


Run 6: Statistics of PCC

Start at: 2018-01-02 09:15:01
End at: 2018-01-02 09:15:31
Local clock offset: 1.566 ms
Remote clock offset: -1.765 ms

Below is generated by plot.py at 2018-01-02 15:41:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 752.62 Mbit/s
95th percentile per-packet one-way delay: 3.617 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 601.77 Mbit/s
95th percentile per-packet one-way delay: 4.440 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 20.67 Mbit/s
95th percentile per-packet one-way delay: 2.682 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 417.27 Mbit/s
95th percentile per-packet one-way delay: 2.890 ms
Loss rate: 0.19%

Run 6: Report of PCC — Data Link

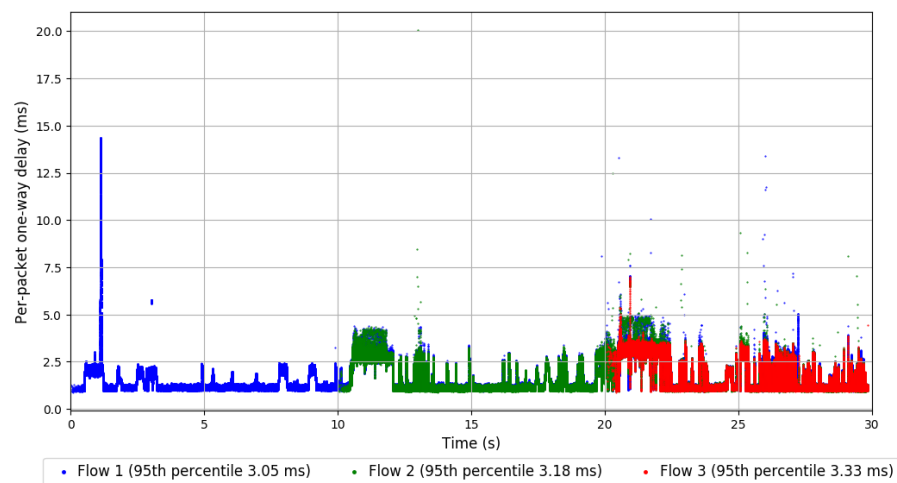
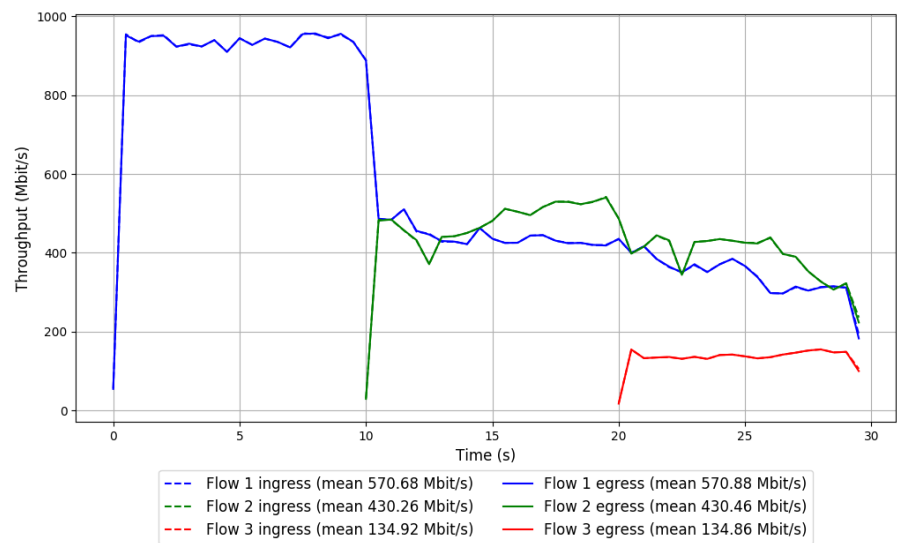


Run 7: Statistics of PCC

Start at: 2018-01-02 09:37:09
End at: 2018-01-02 09:37:39
Local clock offset: 1.373 ms
Remote clock offset: -1.379 ms

Below is generated by plot.py at 2018-01-02 15:44:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 901.01 Mbit/s
95th percentile per-packet one-way delay: 3.132 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 570.88 Mbit/s
95th percentile per-packet one-way delay: 3.047 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 430.46 Mbit/s
95th percentile per-packet one-way delay: 3.176 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 134.86 Mbit/s
95th percentile per-packet one-way delay: 3.326 ms
Loss rate: 0.23%

Run 7: Report of PCC — Data Link

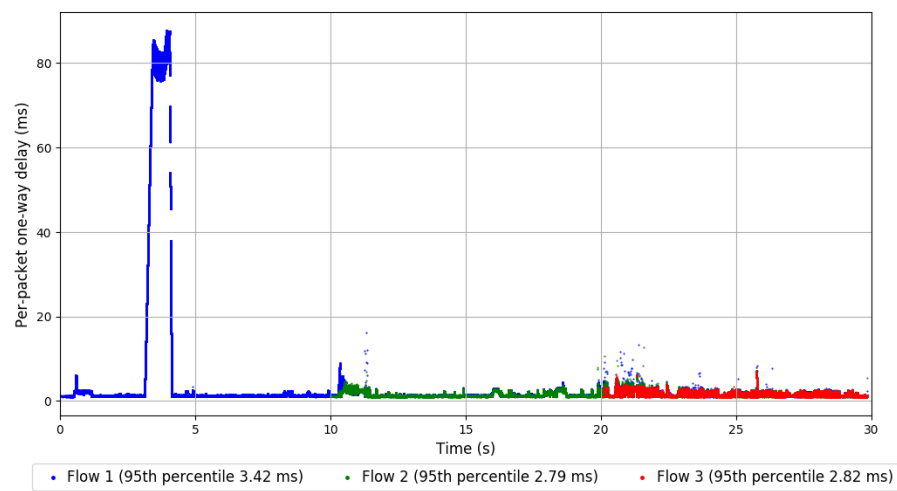
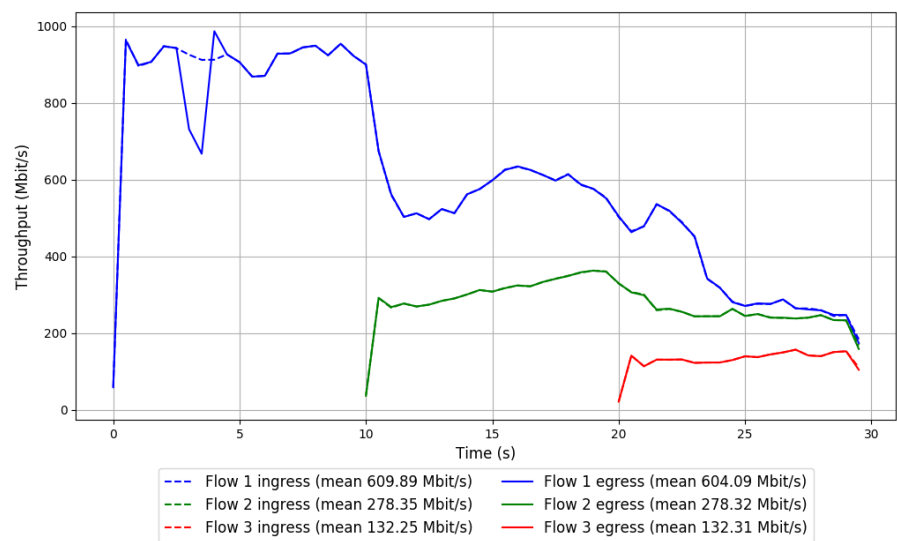


Run 8: Statistics of PCC

Start at: 2018-01-02 09:59:38
End at: 2018-01-02 10:00:08
Local clock offset: 1.324 ms
Remote clock offset: -0.984 ms

Below is generated by plot.py at 2018-01-02 15:44:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 832.41 Mbit/s
95th percentile per-packet one-way delay: 3.046 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 604.09 Mbit/s
95th percentile per-packet one-way delay: 3.422 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 278.32 Mbit/s
95th percentile per-packet one-way delay: 2.794 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 132.31 Mbit/s
95th percentile per-packet one-way delay: 2.820 ms
Loss rate: 0.24%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-01-02 10:21:48

End at: 2018-01-02 10:22:18

Local clock offset: 1.098 ms

Remote clock offset: -1.16 ms

Below is generated by plot.py at 2018-01-02 15:50:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 891.68 Mbit/s

95th percentile per-packet one-way delay: 2.892 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 624.06 Mbit/s

95th percentile per-packet one-way delay: 2.527 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 277.44 Mbit/s

95th percentile per-packet one-way delay: 3.347 ms

Loss rate: 0.11%

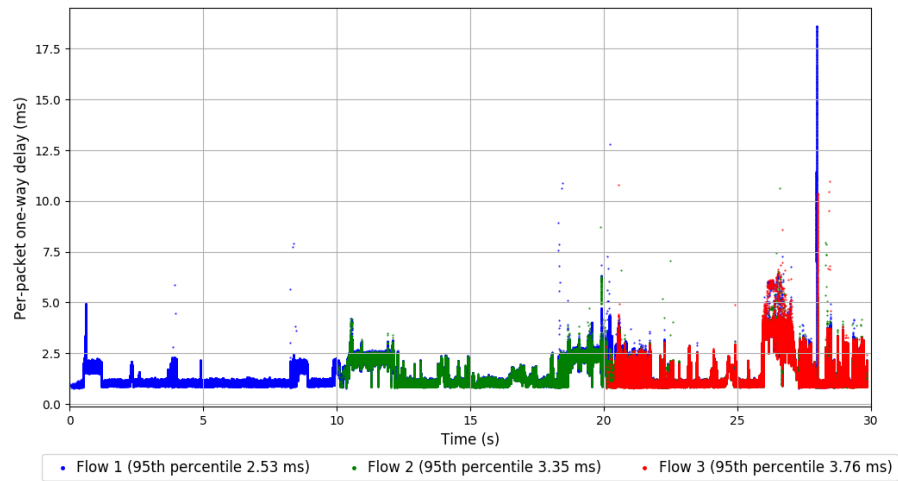
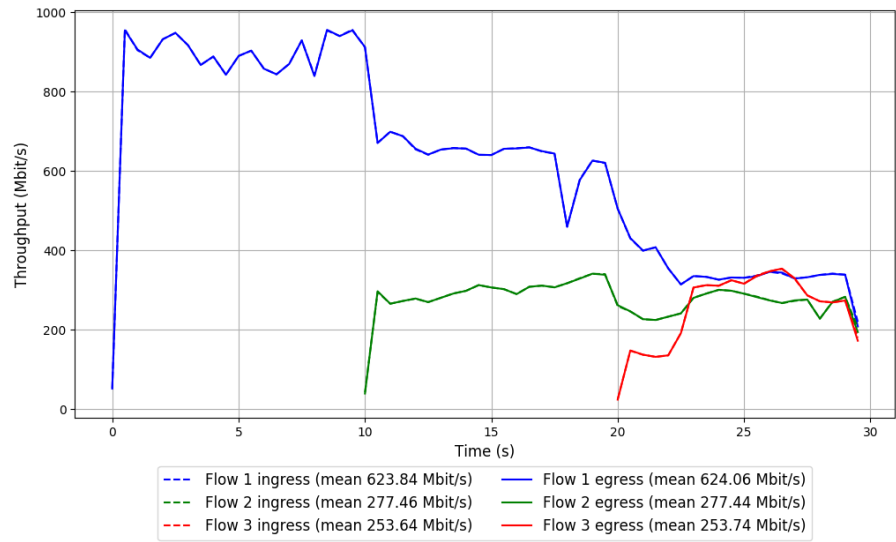
-- Flow 3:

Average throughput: 253.74 Mbit/s

95th percentile per-packet one-way delay: 3.760 ms

Loss rate: 0.19%

Run 9: Report of PCC — Data Link

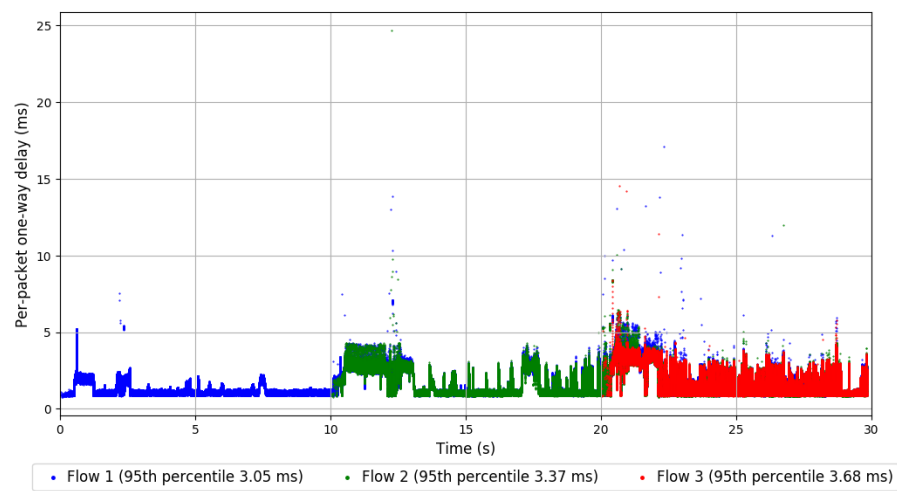
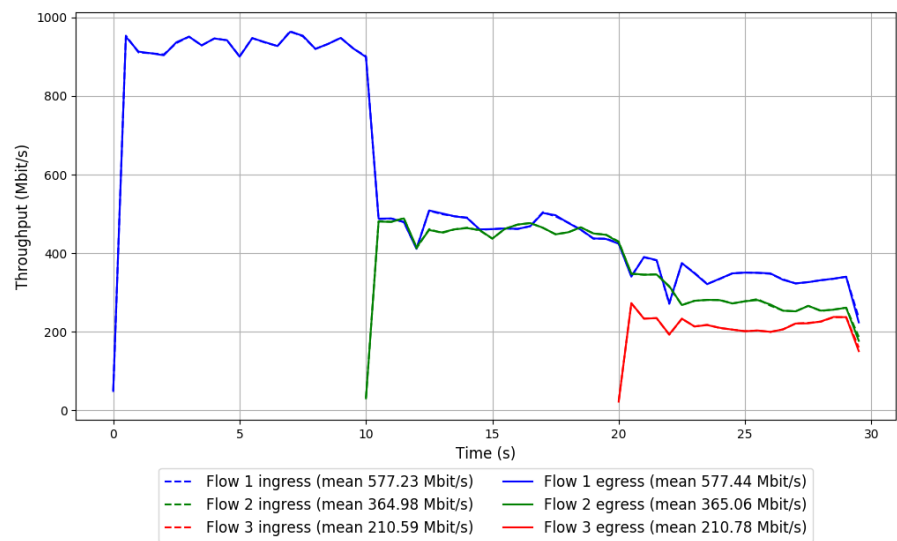


Run 10: Statistics of PCC

Start at: 2018-01-02 10:44:05
End at: 2018-01-02 10:44:35
Local clock offset: 1.134 ms
Remote clock offset: -0.944 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 889.22 Mbit/s
95th percentile per-packet one-way delay: 3.265 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 577.44 Mbit/s
95th percentile per-packet one-way delay: 3.054 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 365.06 Mbit/s
95th percentile per-packet one-way delay: 3.369 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 210.78 Mbit/s
95th percentile per-packet one-way delay: 3.683 ms
Loss rate: 0.23%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-01-02 07:19:38

End at: 2018-01-02 07:20:08

Local clock offset: 0.189 ms

Remote clock offset: -3.39 ms

Below is generated by plot.py at 2018-01-02 15:50:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 141.38 Mbit/s

95th percentile per-packet one-way delay: 1.155 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 77.37 Mbit/s

95th percentile per-packet one-way delay: 1.144 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 67.35 Mbit/s

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

Loss rate: 0.09%

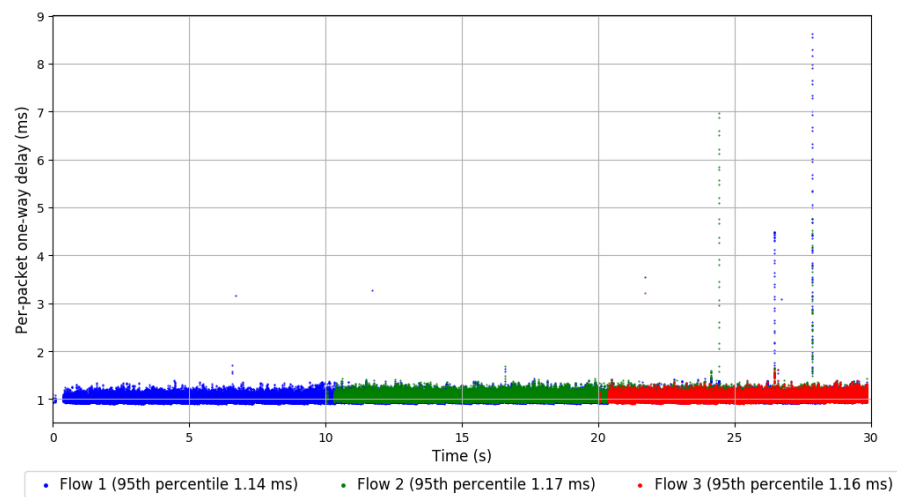
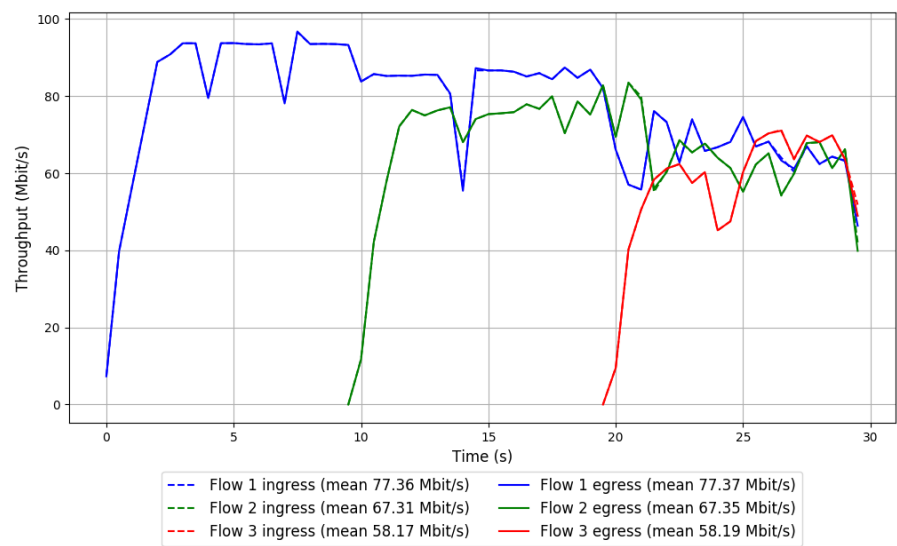
-- Flow 3:

Average throughput: 58.19 Mbit/s

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

Loss rate: 0.26%

Run 1: Report of QUIC Cubic — Data Link

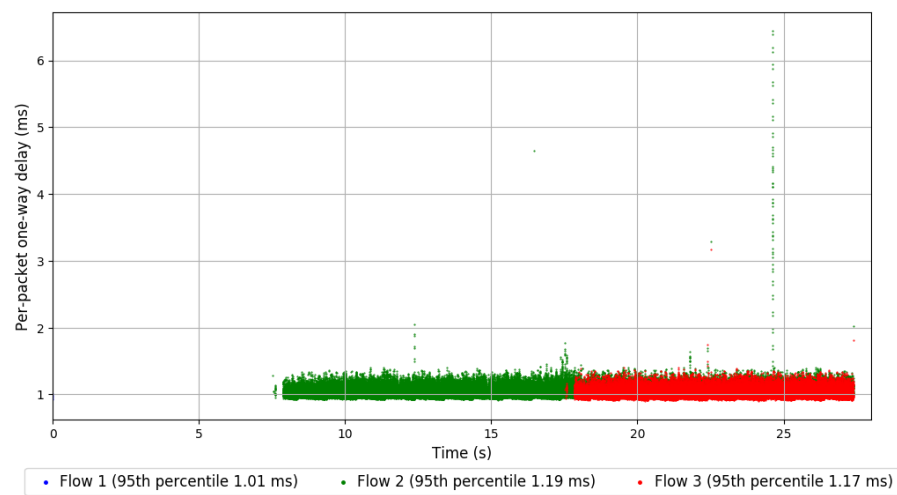
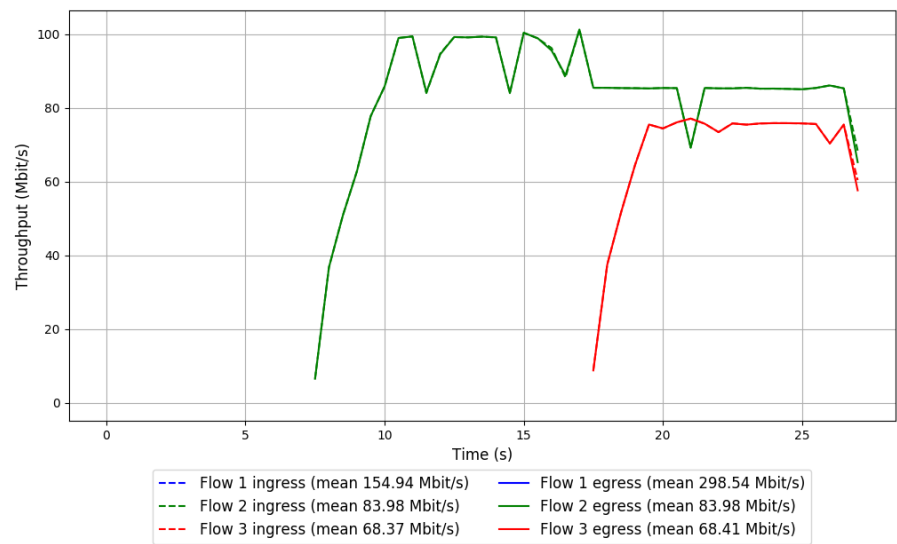


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-02 07:41:57
End at: 2018-01-02 07:42:27
Local clock offset: 0.477 ms
Remote clock offset: -2.783 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.54 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 298.54 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 68.41 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.22%

Run 2: Report of QUIC Cubic — Data Link

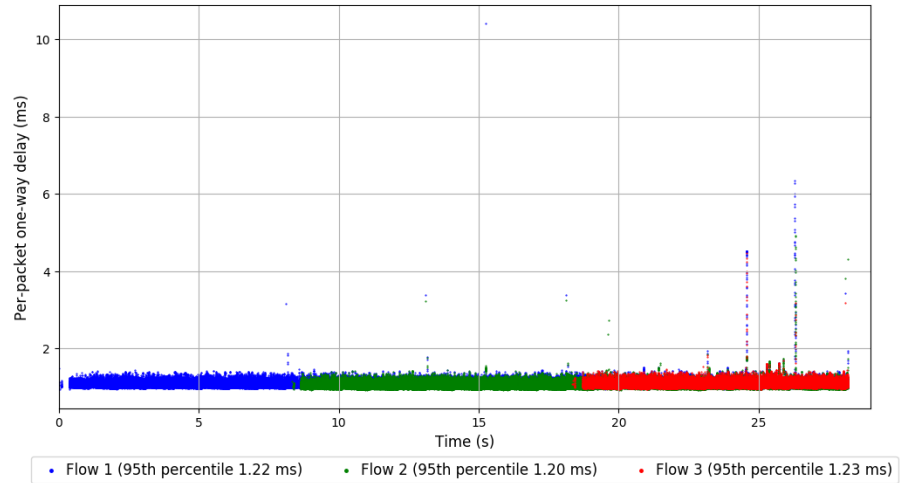
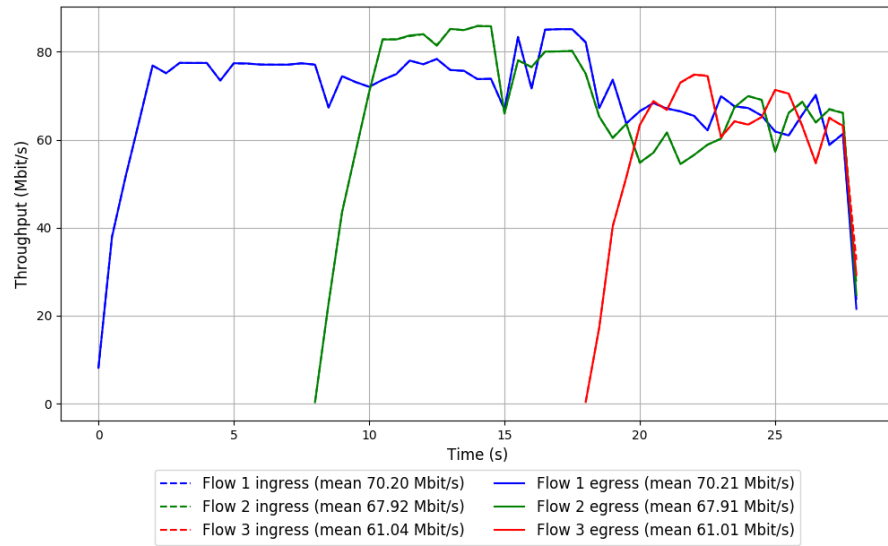


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-02 08:04:02
End at: 2018-01-02 08:04:32
Local clock offset: 0.739 ms
Remote clock offset: -2.071 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.38 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 70.21 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 61.01 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.29%

Run 3: Report of QUIC Cubic — Data Link

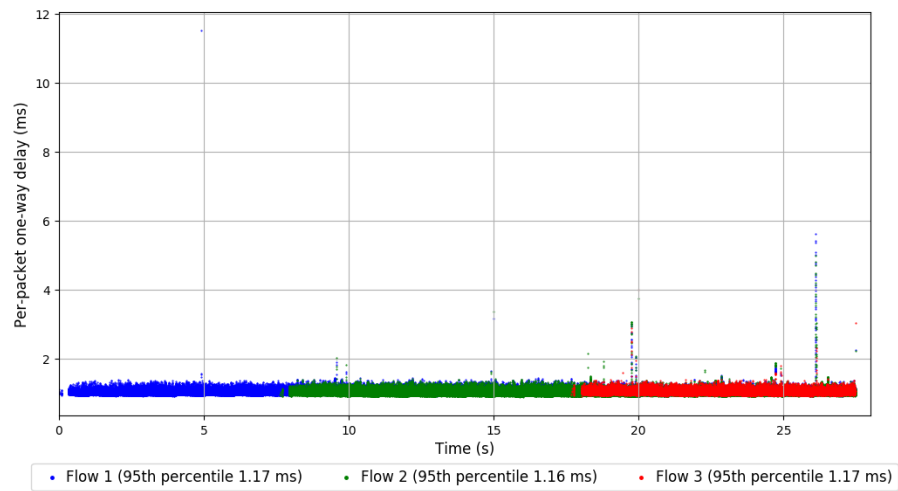
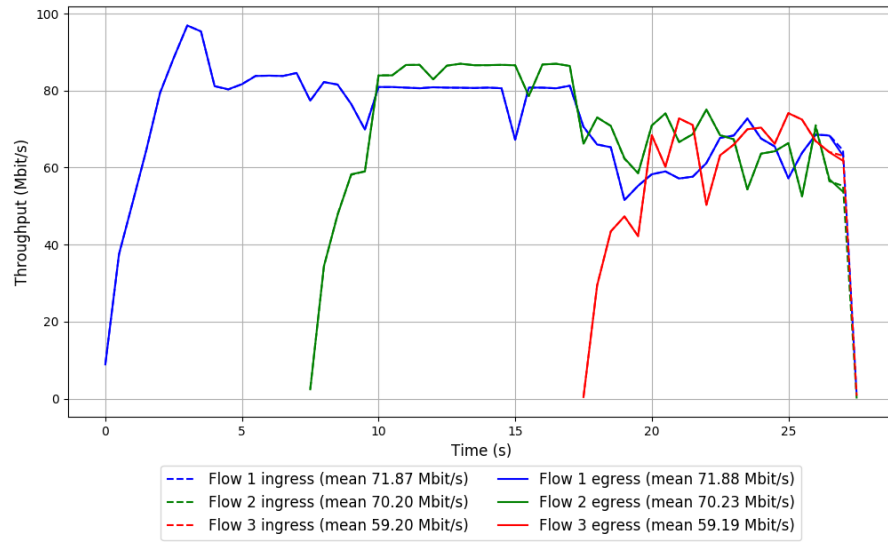


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-02 08:26:15
End at: 2018-01-02 08:26:45
Local clock offset: 0.963 ms
Remote clock offset: -1.933 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.70 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 71.88 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 70.23 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.19%

Run 4: Report of QUIC Cubic — Data Link

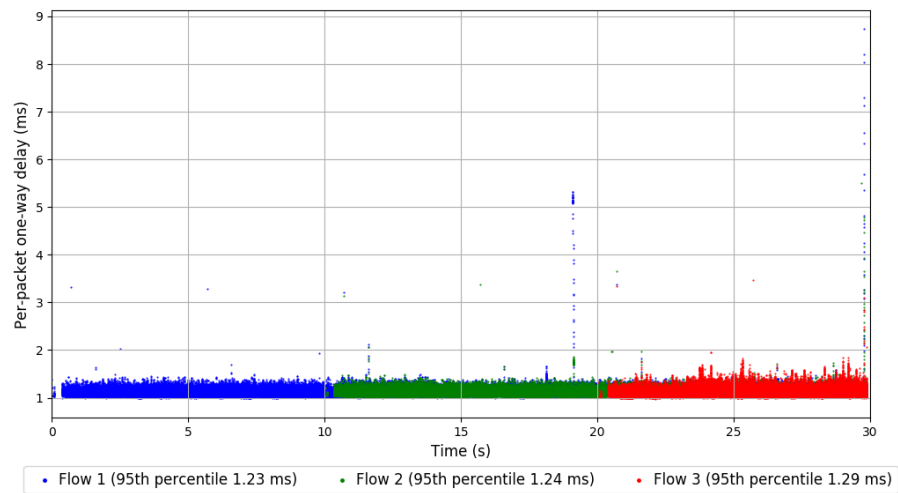
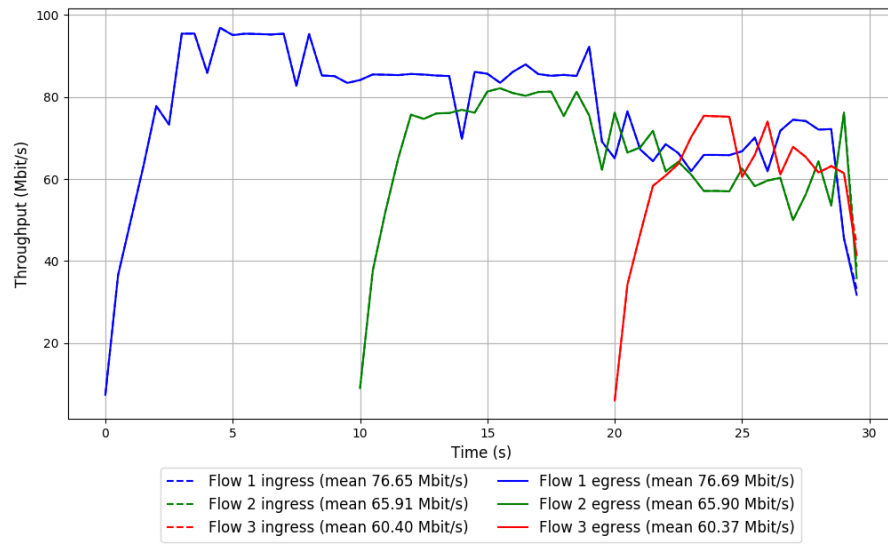


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-02 08:48:27
End at: 2018-01-02 08:48:57
Local clock offset: 1.27 ms
Remote clock offset: -1.732 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.39 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.69 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 60.37 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.24%

Run 5: Report of QUIC Cubic — Data Link

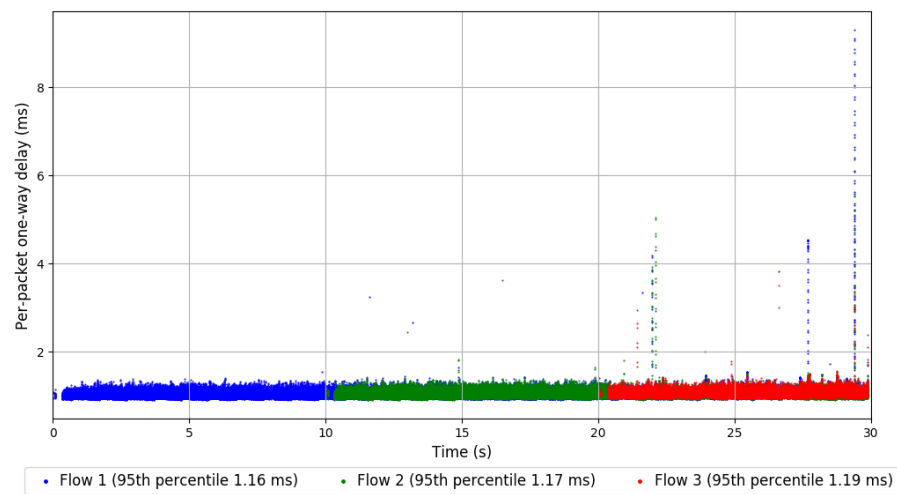
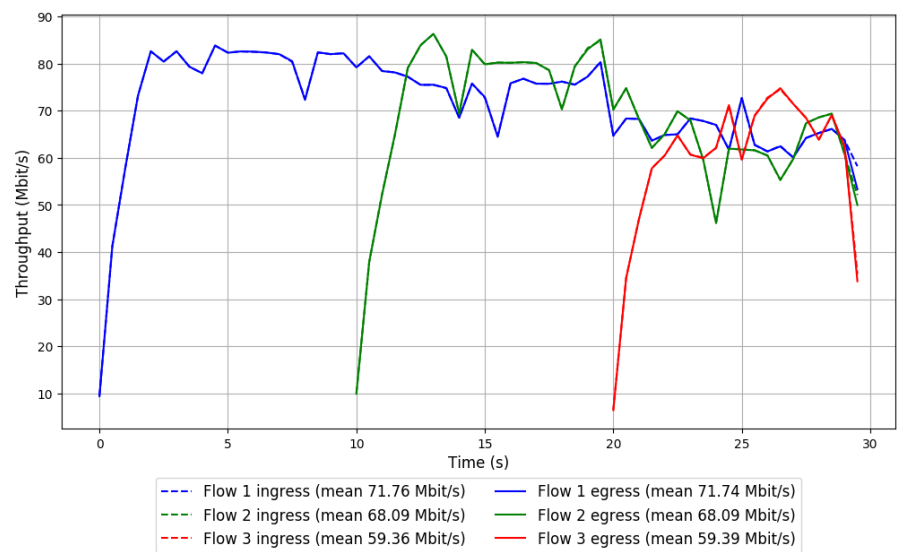


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-02 09:10:43
End at: 2018-01-02 09:11:13
Local clock offset: 1.421 ms
Remote clock offset: -1.904 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.57 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 68.09 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.14%

Run 6: Report of QUIC Cubic — Data Link

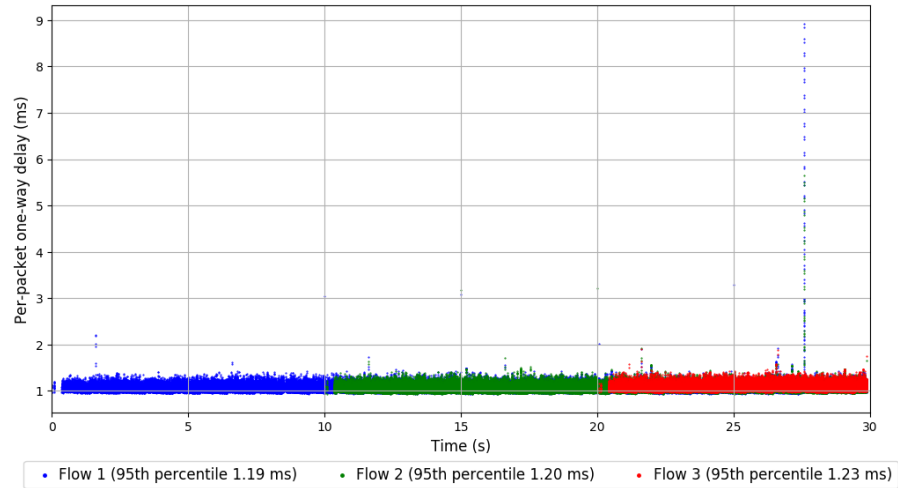
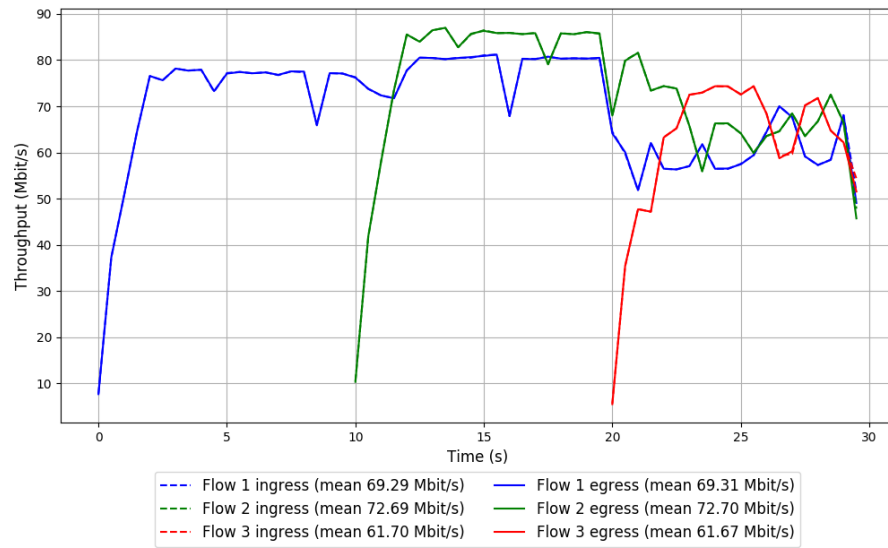


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-02 09:32:52
End at: 2018-01-02 09:33:22
Local clock offset: 1.439 ms
Remote clock offset: -1.462 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.94 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 61.67 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.24%

Run 7: Report of QUIC Cubic — Data Link

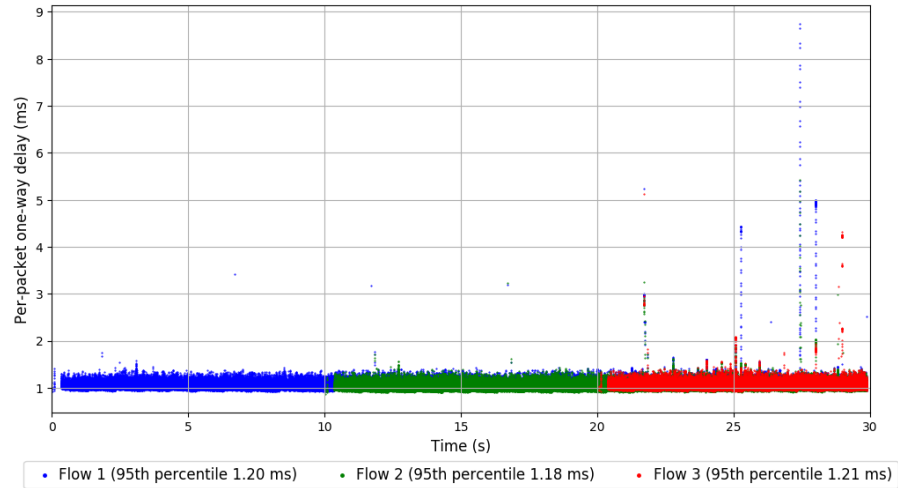
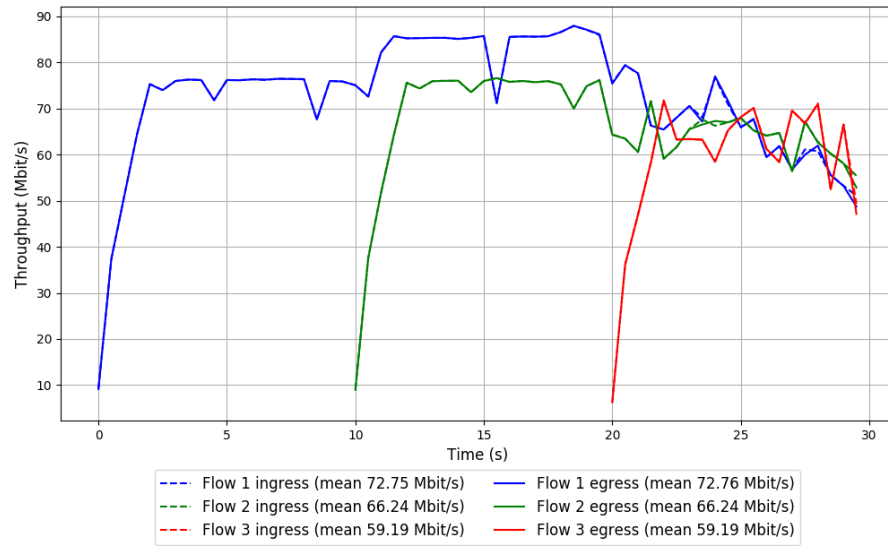


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-02 09:55:08
End at: 2018-01-02 09:55:38
Local clock offset: 1.369 ms
Remote clock offset: -0.978 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.28 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 72.76 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.20%

Run 8: Report of QUIC Cubic — Data Link

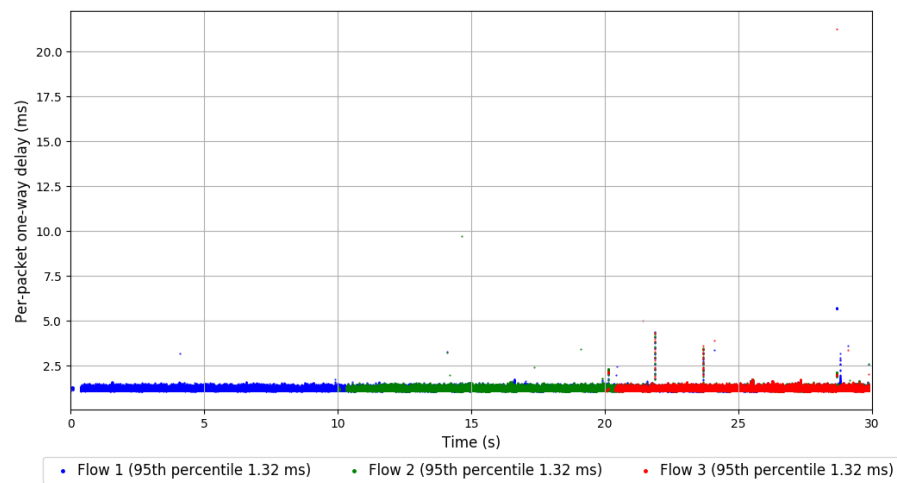
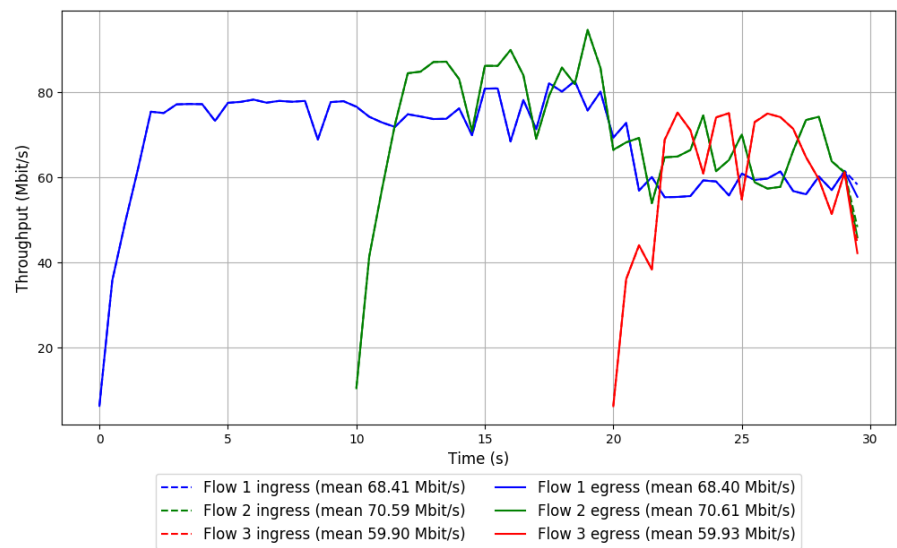


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-02 10:17:23
End at: 2018-01-02 10:17:53
Local clock offset: 1.256 ms
Remote clock offset: -1.205 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.08 Mbit/s
95th percentile per-packet one-way delay: 1.319 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 68.40 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 1.319 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.20%

Run 9: Report of QUIC Cubic — Data Link

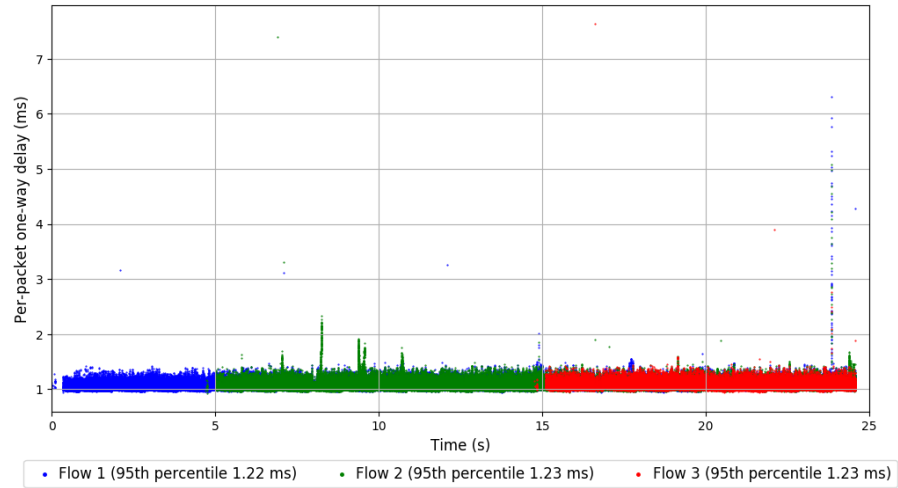
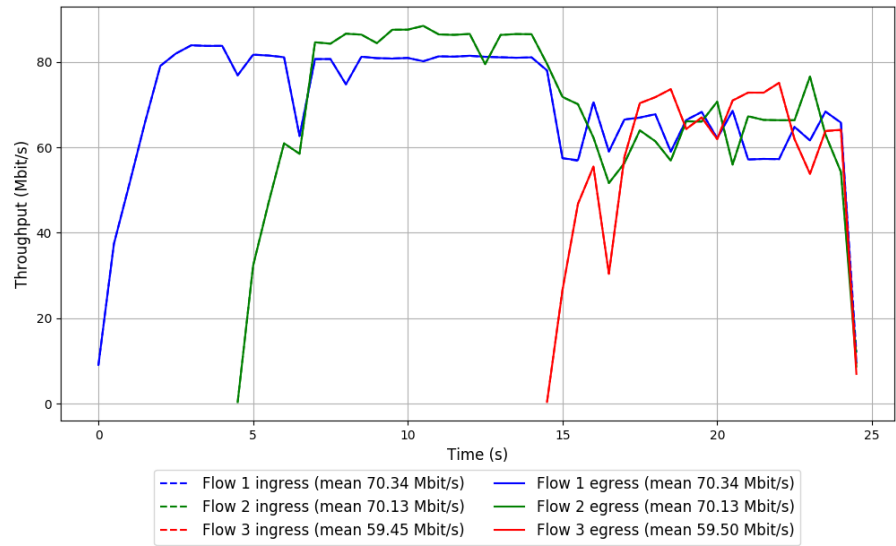


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-02 10:39:50
End at: 2018-01-02 10:40:20
Local clock offset: 1.232 ms
Remote clock offset: -0.979 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.83 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 70.34 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.21%

Run 10: Report of QUIC Cubic — Data Link

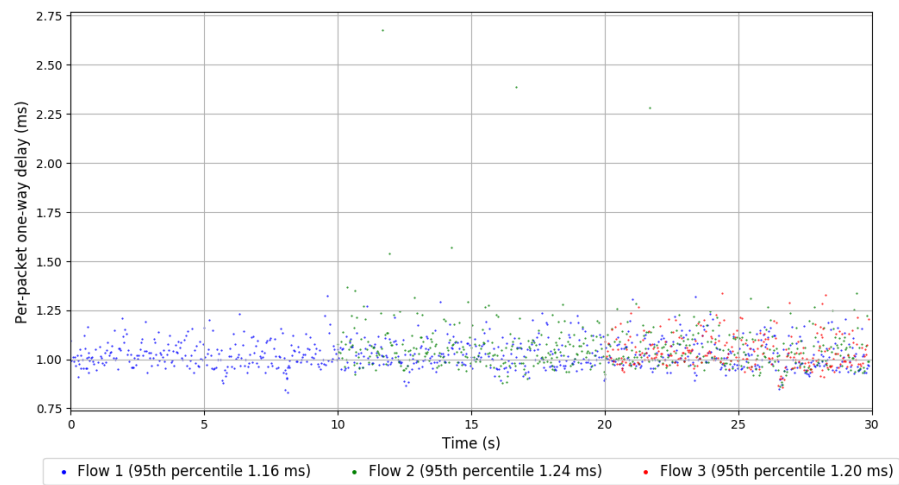
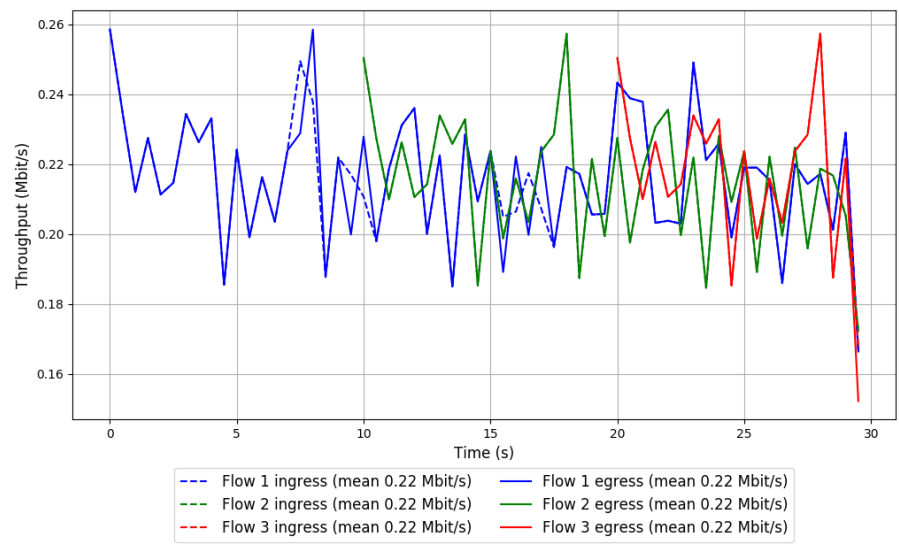


```
Run 1: Statistics of SReAM

Start at: 2018-01-02 07:30:35
End at: 2018-01-02 07:31:05
Local clock offset: 0.303 ms
Remote clock offset: -2.995 ms

# Below is generated by plot.py at 2018-01-02 15:50:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

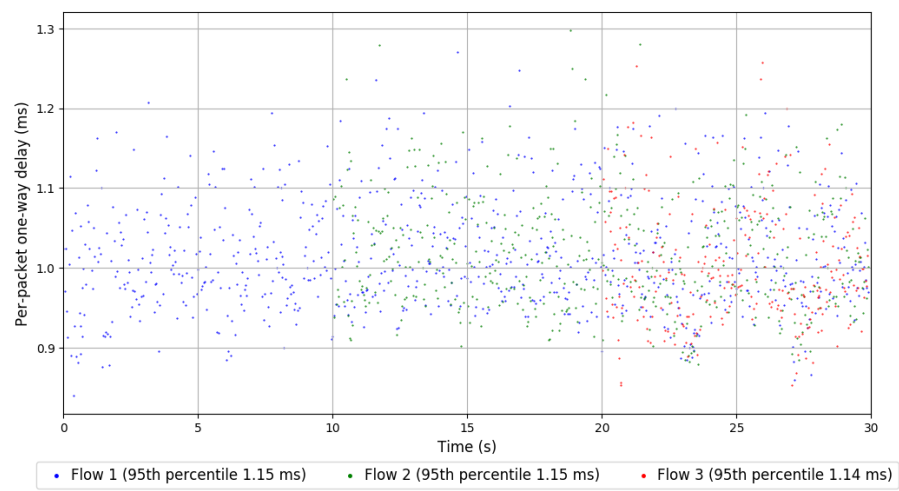
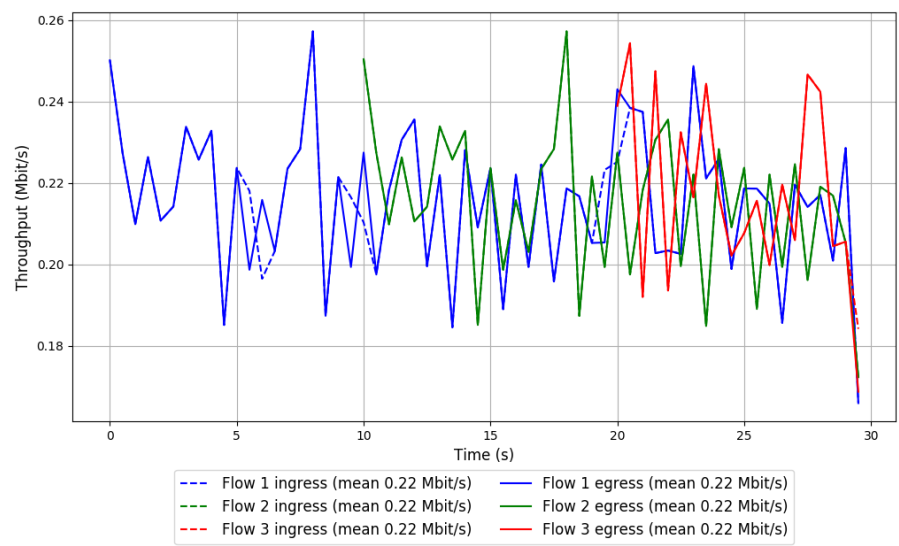


Run 2: Statistics of SReAM

Start at: 2018-01-02 07:52:40
End at: 2018-01-02 07:53:10
Local clock offset: 0.582 ms
Remote clock offset: -2.291 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

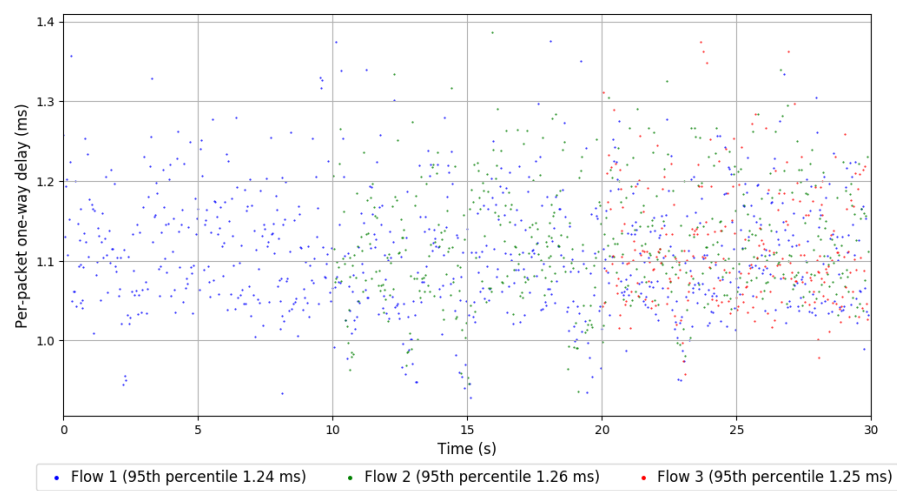
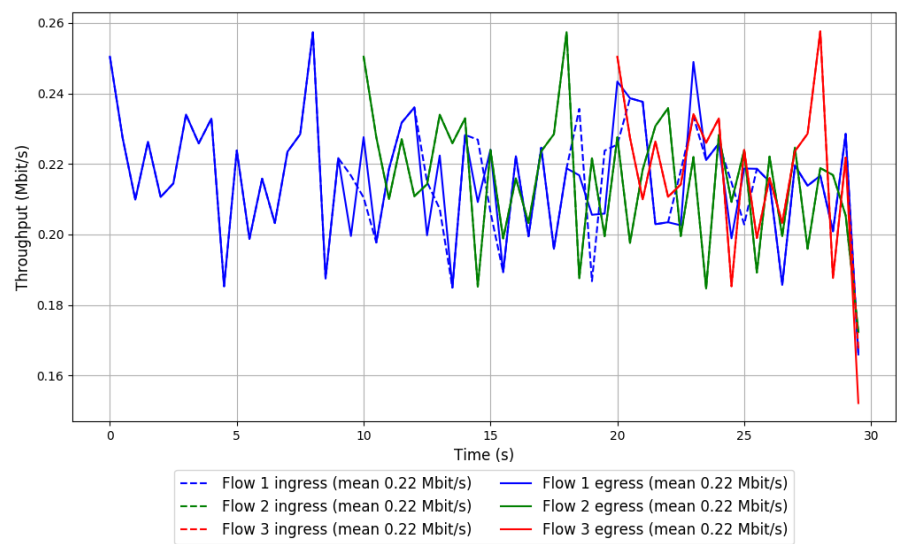


Run 3: Statistics of SReAM

Start at: 2018-01-02 08:14:47
End at: 2018-01-02 08:15:17
Local clock offset: 0.823 ms
Remote clock offset: -1.853 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

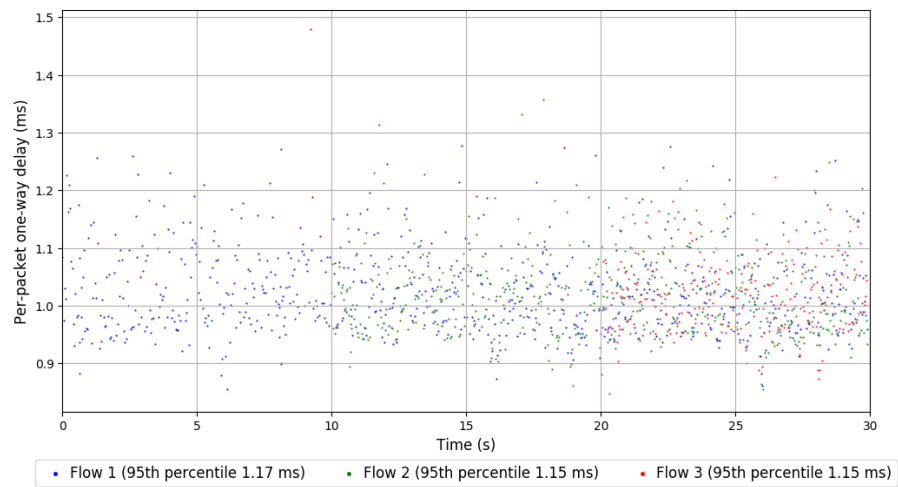
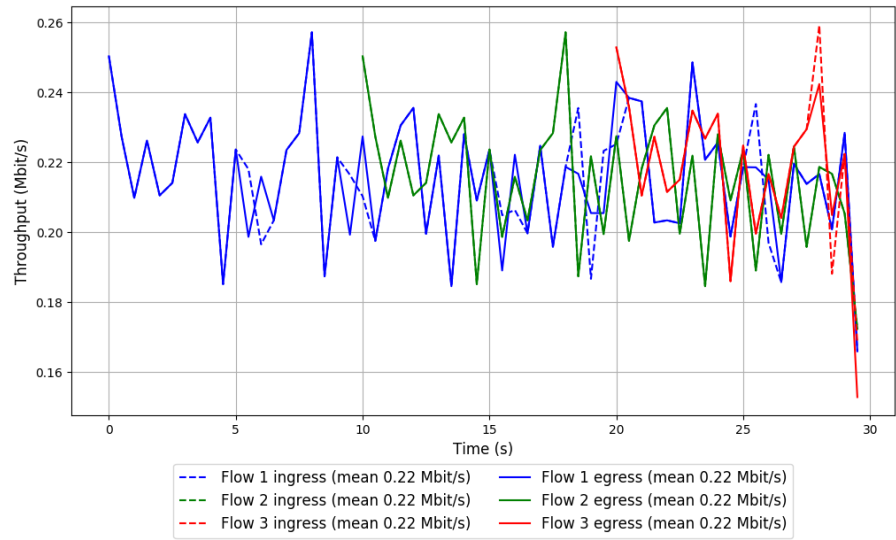


Run 4: Statistics of SReAM

Start at: 2018-01-02 08:37:01
End at: 2018-01-02 08:37:31
Local clock offset: 1.034 ms
Remote clock offset: -1.935 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

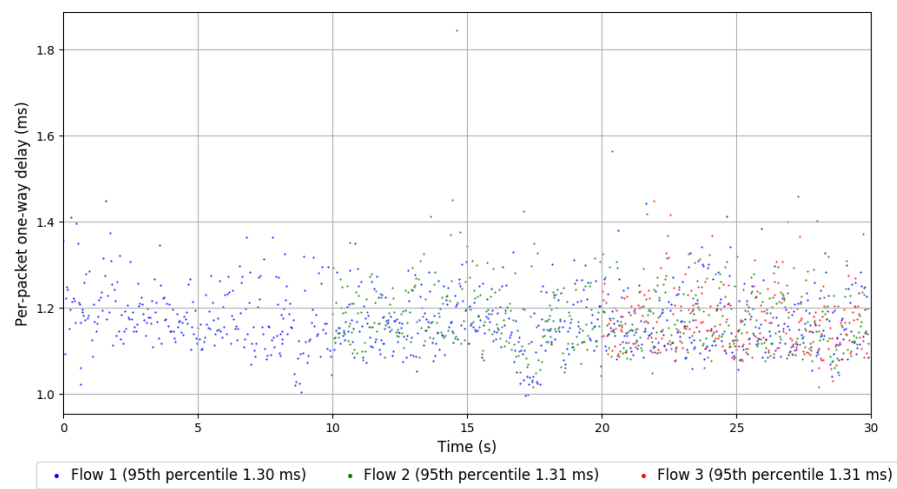
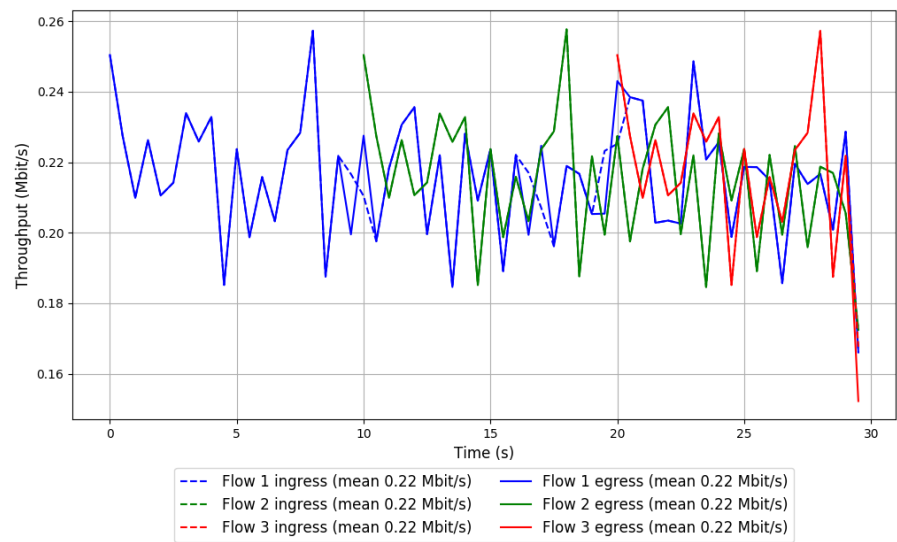


Run 5: Statistics of SReAM

Start at: 2018-01-02 08:59:18
End at: 2018-01-02 08:59:48
Local clock offset: 1.38 ms
Remote clock offset: -1.785 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

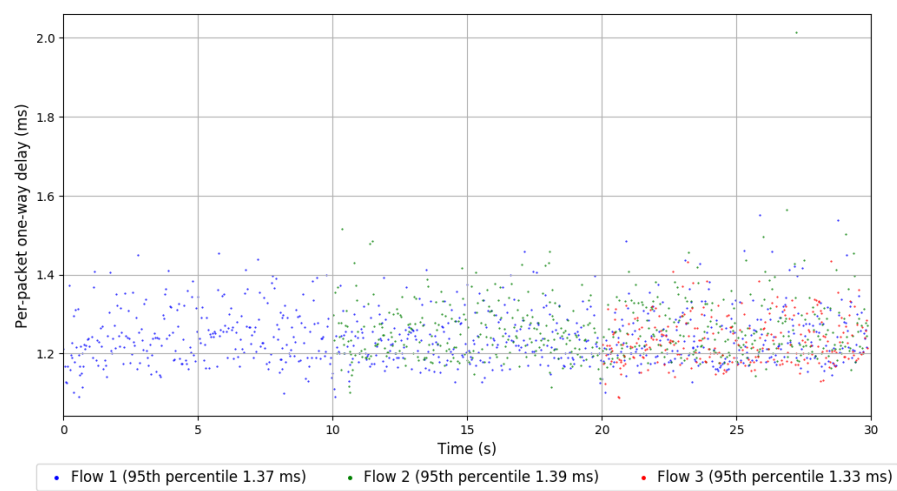
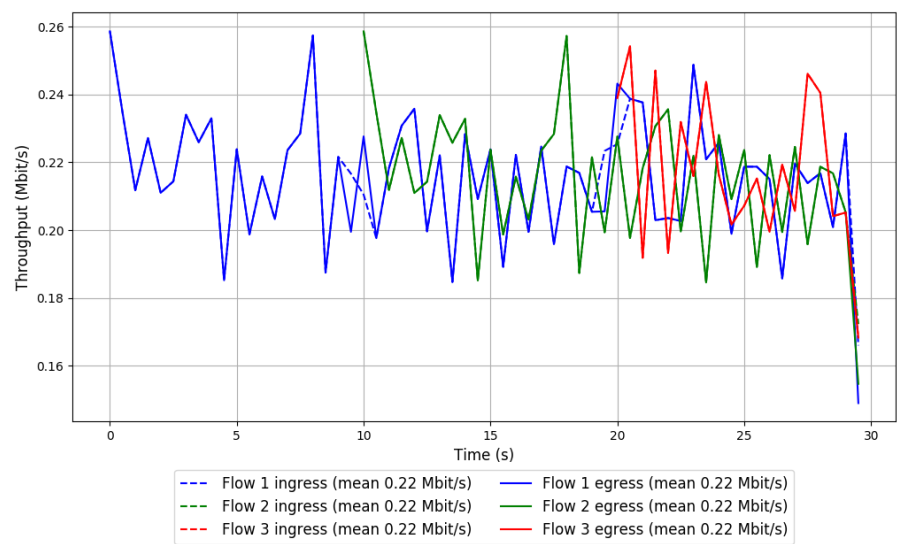


Run 6: Statistics of SReAM

Start at: 2018-01-02 09:21:27
End at: 2018-01-02 09:21:57
Local clock offset: 1.665 ms
Remote clock offset: -1.638 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.373 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.369 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.388 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.333 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

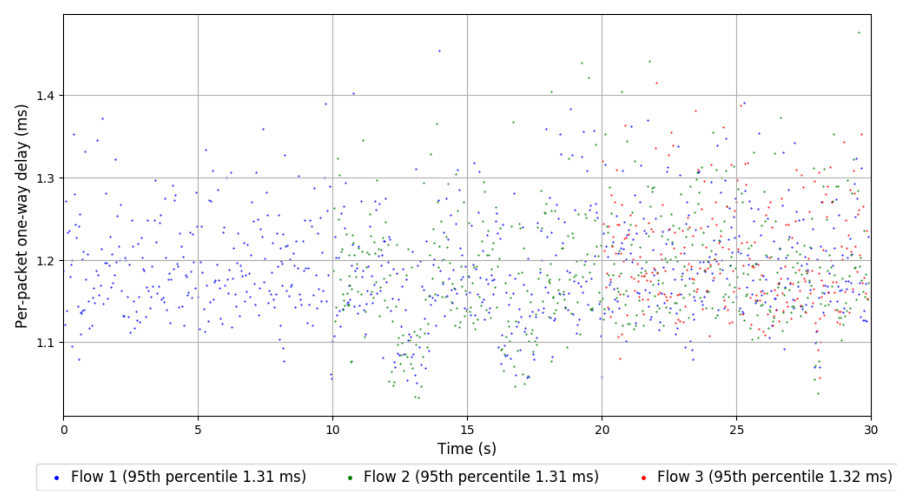
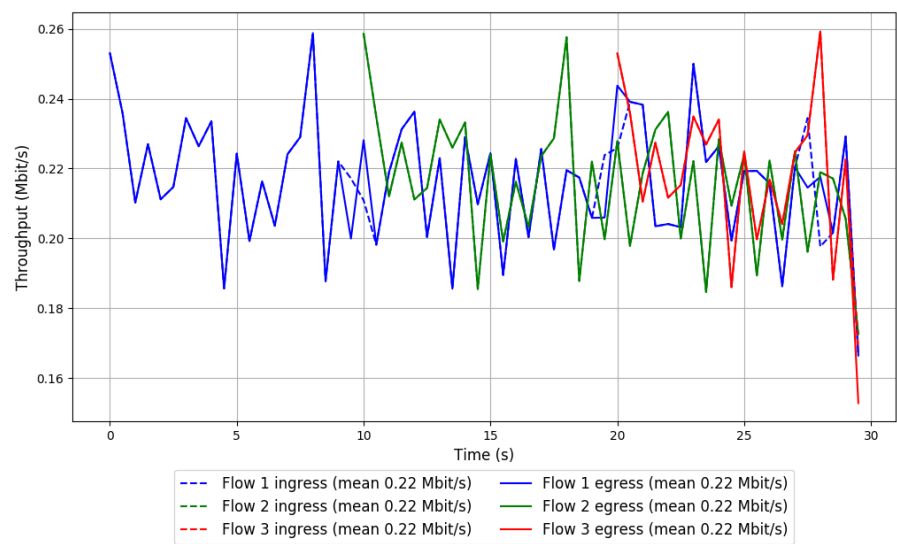


Run 7: Statistics of SReAM

Start at: 2018-01-02 09:43:36
End at: 2018-01-02 09:44:06
Local clock offset: 1.459 ms
Remote clock offset: -1.186 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

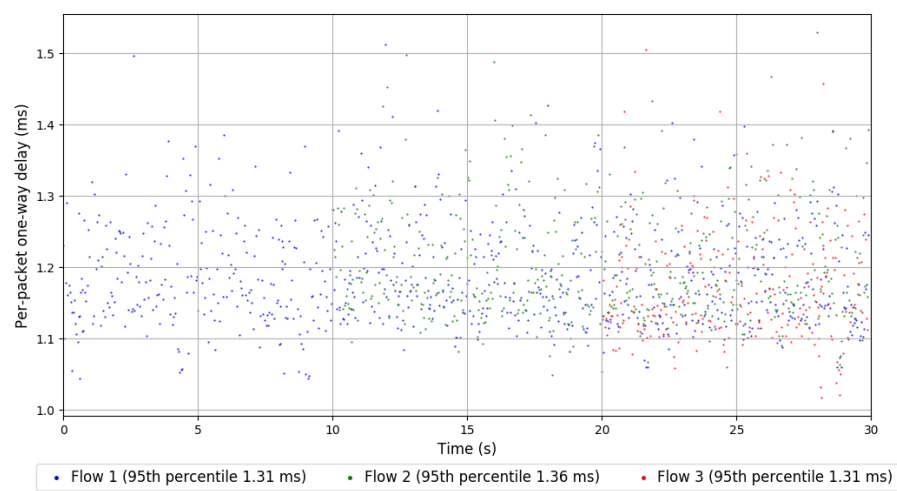
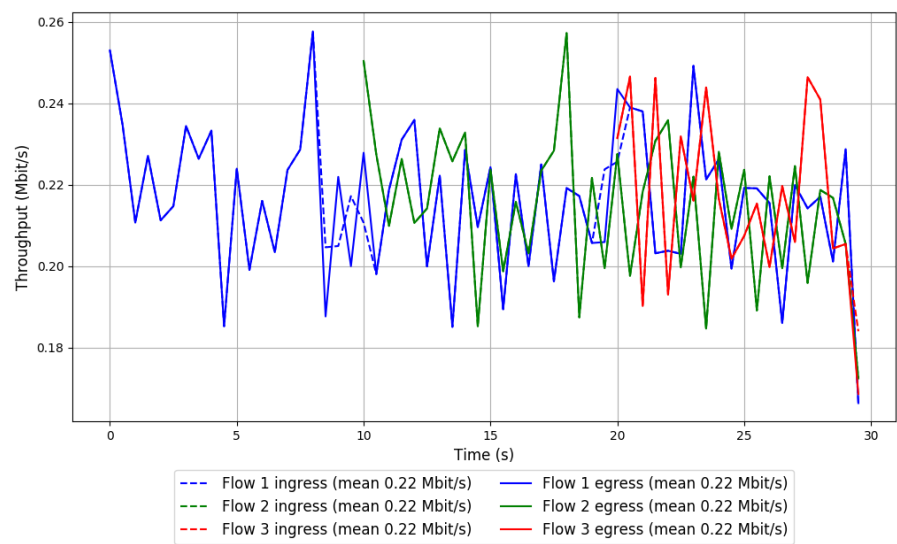


Run 8: Statistics of SReAM

Start at: 2018-01-02 10:06:03
End at: 2018-01-02 10:06:33
Local clock offset: 1.372 ms
Remote clock offset: -0.917 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.307 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

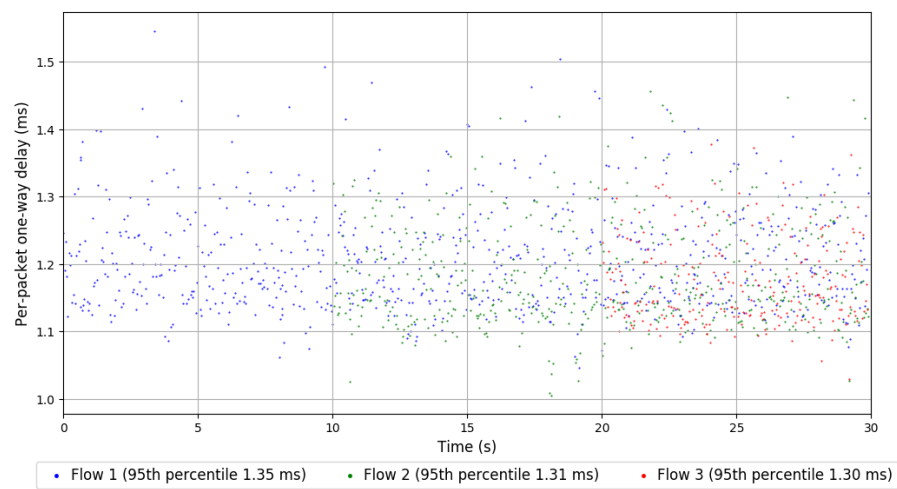
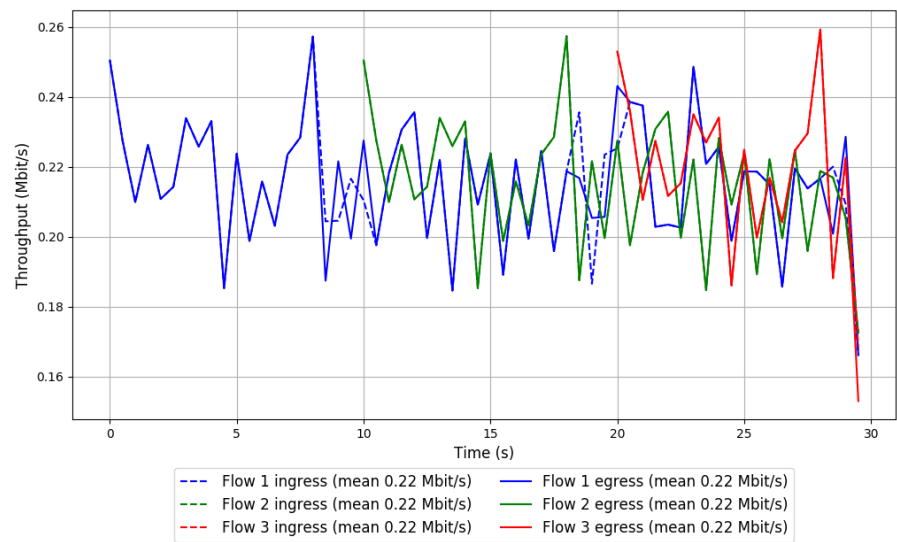


Run 9: Statistics of SReAM

Start at: 2018-01-02 10:28:23
End at: 2018-01-02 10:28:53
Local clock offset: 1.14 ms
Remote clock offset: -1.164 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.335 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.350 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

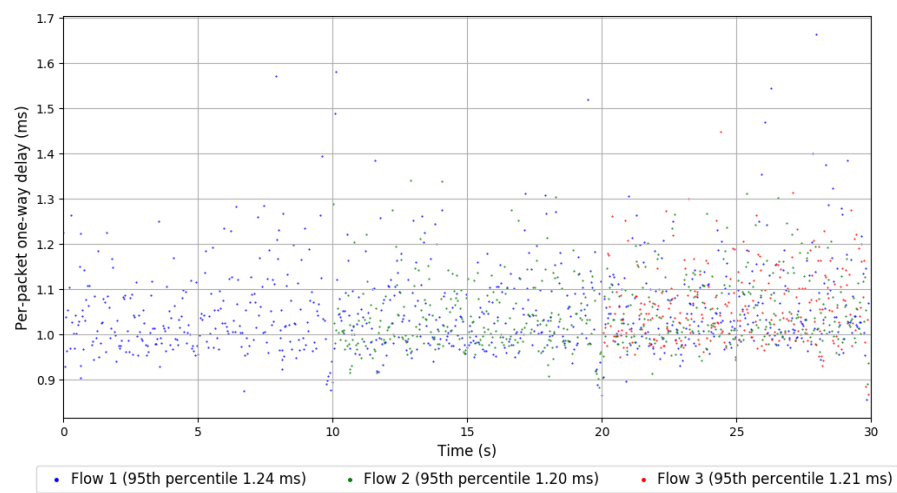
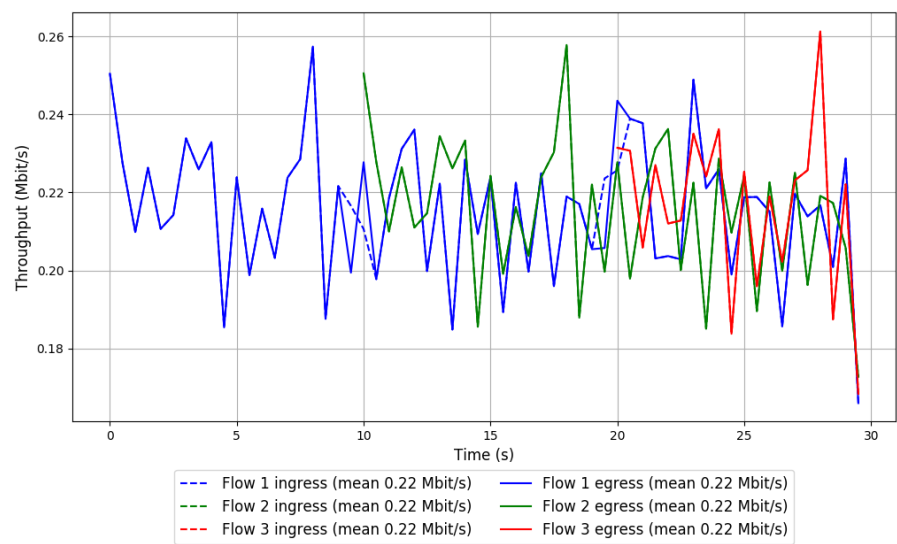


Run 10: Statistics of SReAM

Start at: 2018-01-02 10:50:32
End at: 2018-01-02 10:51:02
Local clock offset: 1.171 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

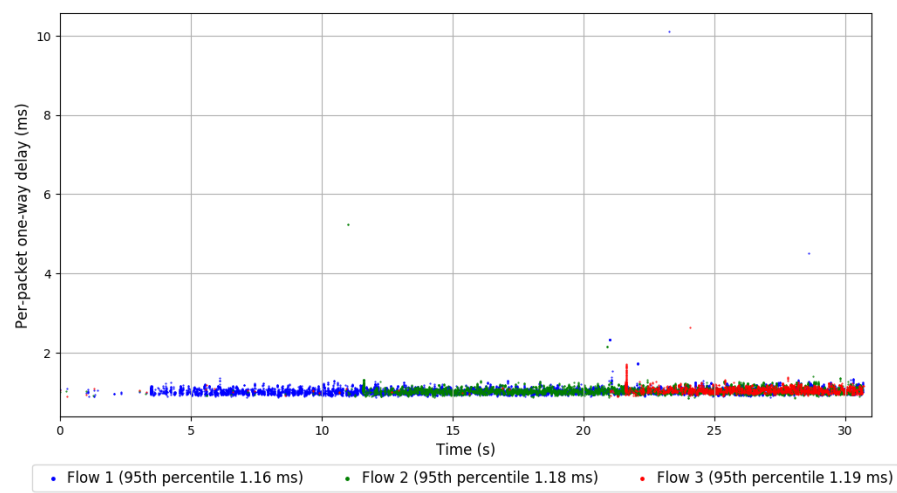
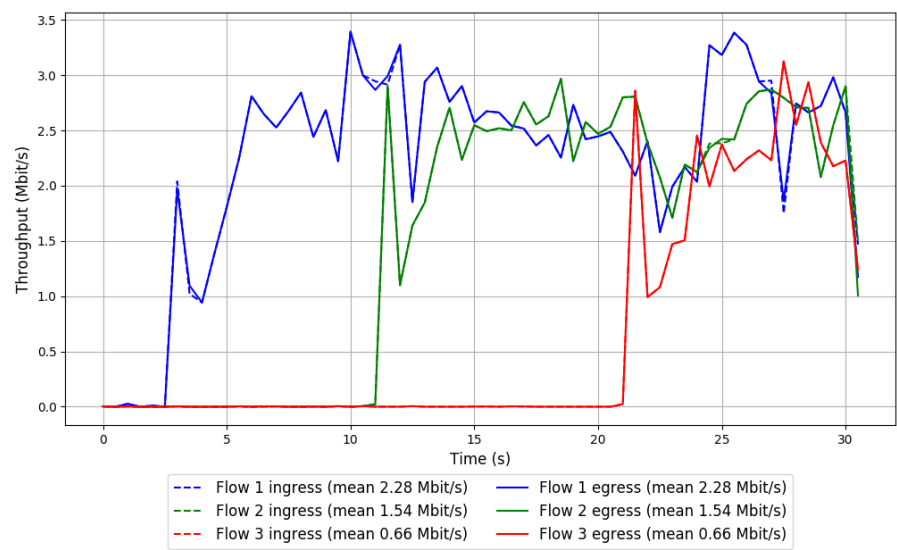


Run 1: Statistics of WebRTC media

Start at: 2018-01-02 07:37:24
End at: 2018-01-02 07:37:54
Local clock offset: 0.401 ms
Remote clock offset: -2.926 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

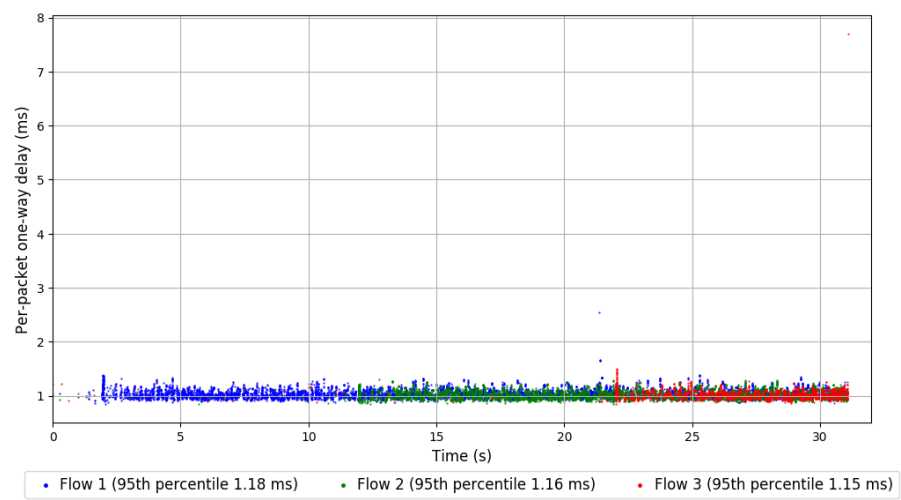
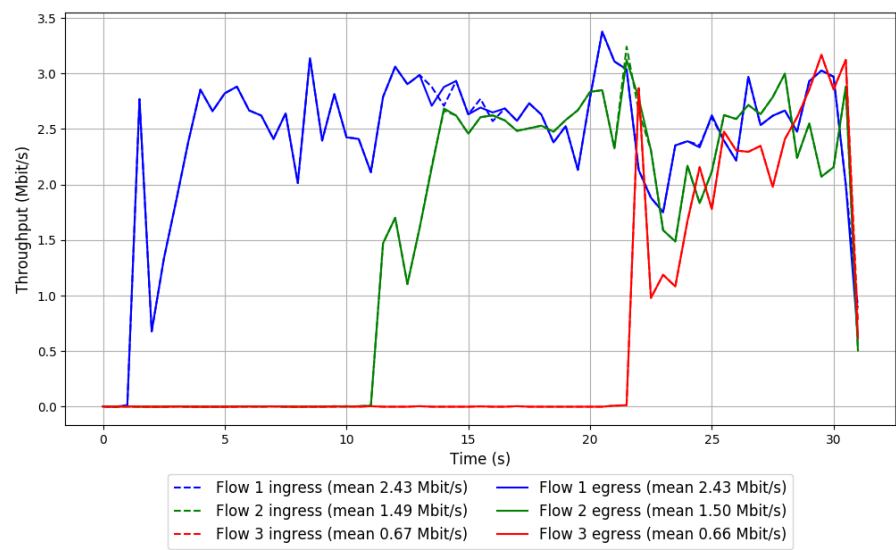


Run 2: Statistics of WebRTC media

Start at: 2018-01-02 07:59:28
End at: 2018-01-02 07:59:58
Local clock offset: 0.67 ms
Remote clock offset: -2.138 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.33%

Run 2: Report of WebRTC media — Data Link

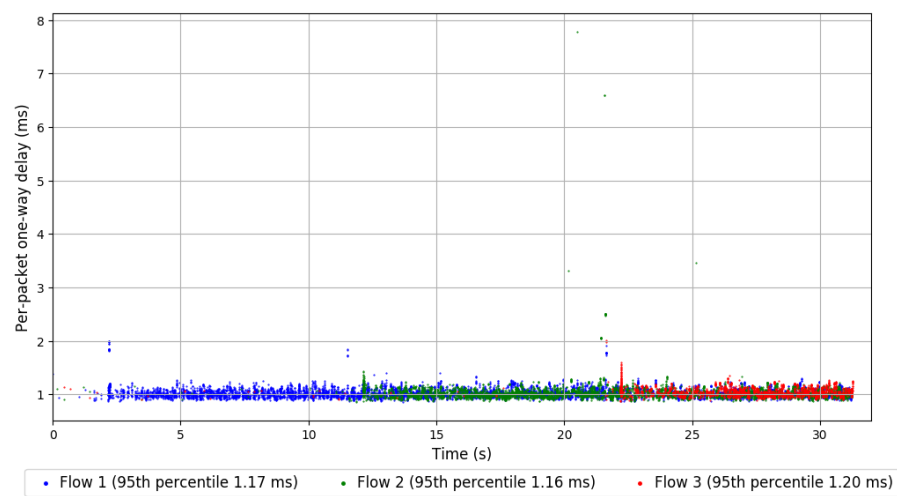
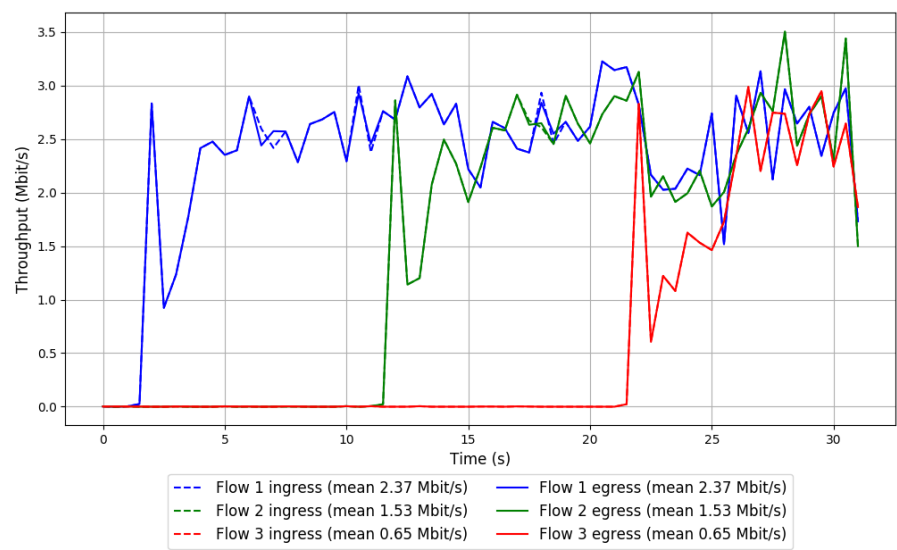


Run 3: Statistics of WebRTC media

Start at: 2018-01-02 08:21:38
End at: 2018-01-02 08:22:08
Local clock offset: 0.907 ms
Remote clock offset: -1.878 ms

```
# Below is generated by plot.py at 2018-01-02 15:50:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

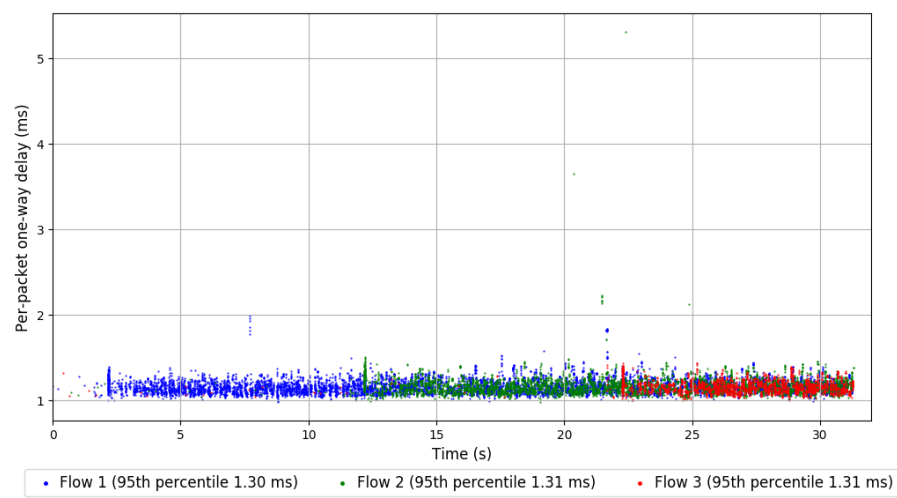
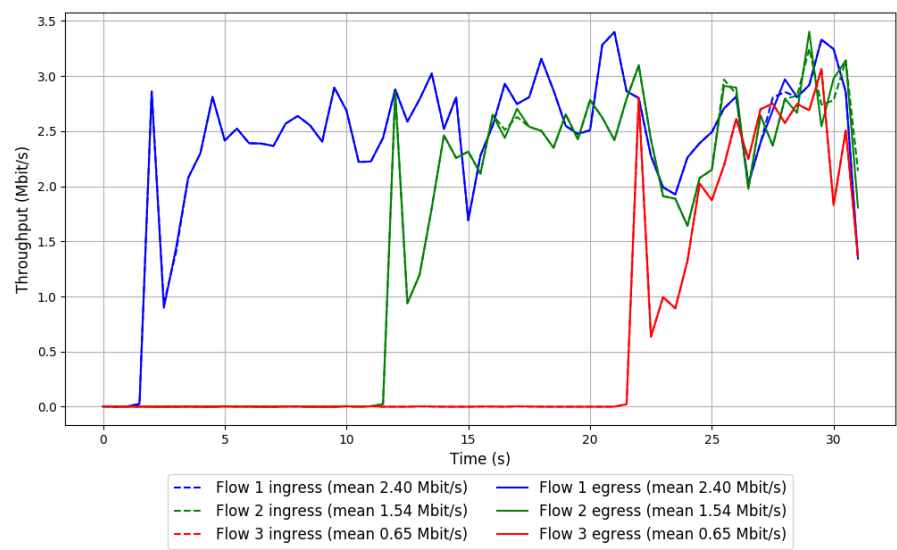


Run 4: Statistics of WebRTC media

Start at: 2018-01-02 08:43:48
End at: 2018-01-02 08:44:18
Local clock offset: 1.174 ms
Remote clock offset: -1.918 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

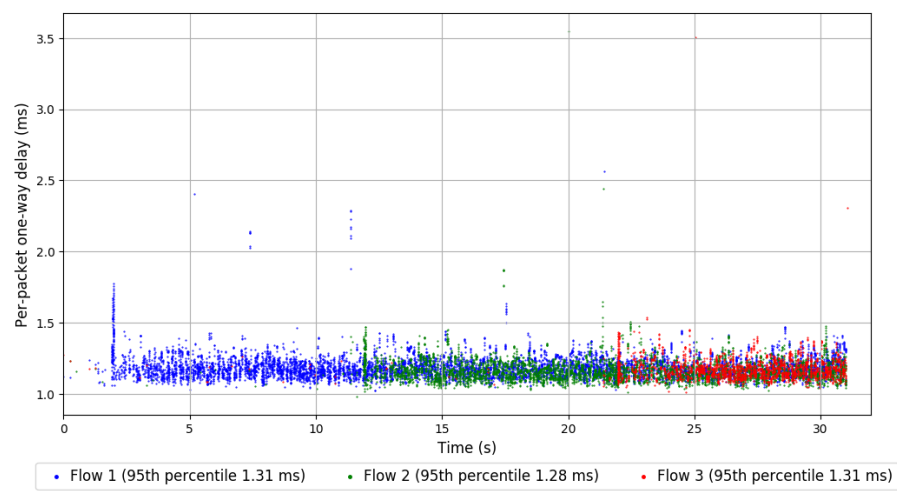
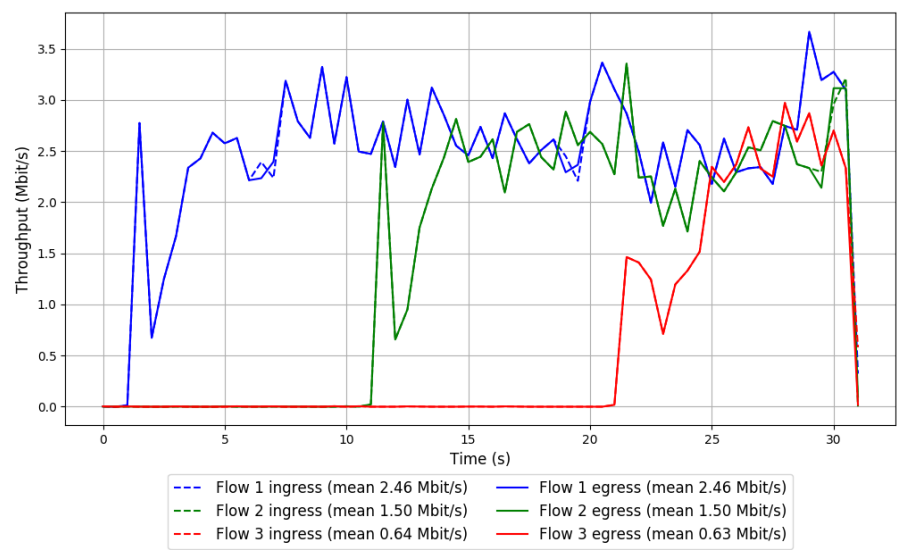


Run 5: Statistics of WebRTC media

Start at: 2018-01-02 09:06:08
End at: 2018-01-02 09:06:38
Local clock offset: 1.479 ms
Remote clock offset: -1.928 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 1.42%

Run 5: Report of WebRTC media — Data Link

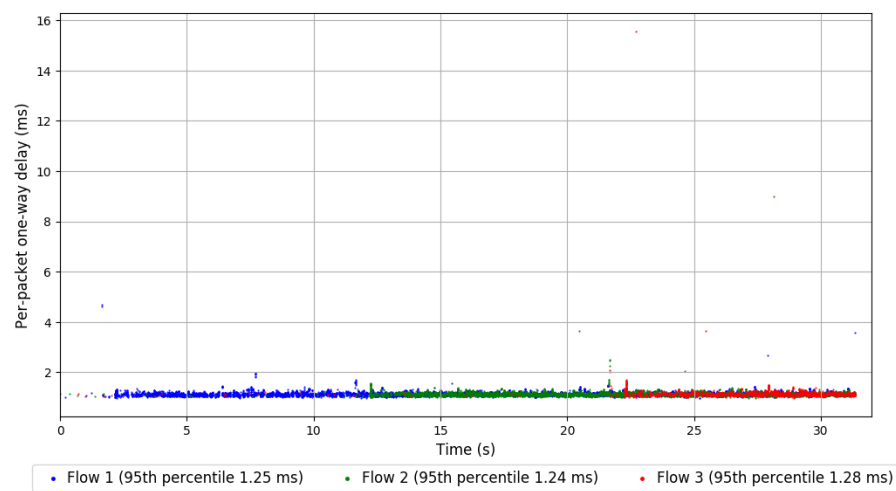
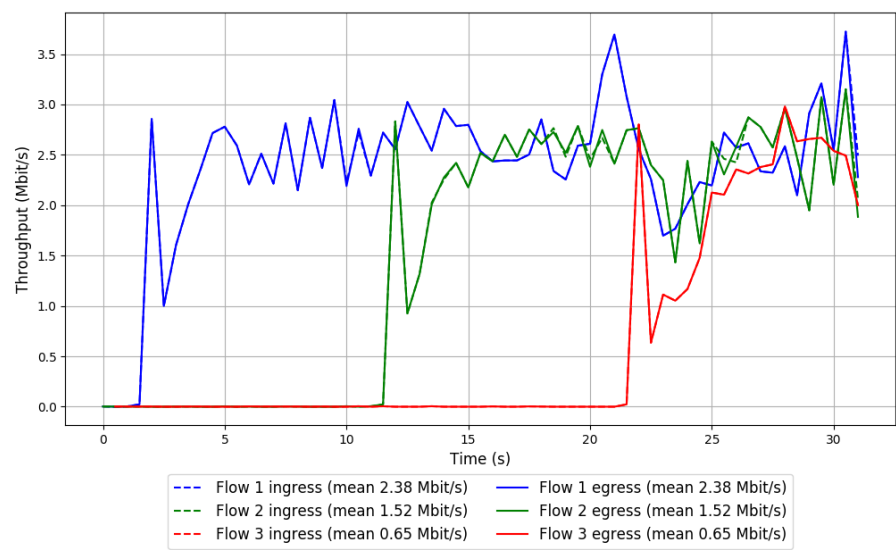


Run 6: Statistics of WebRTC media

Start at: 2018-01-02 09:28:16
End at: 2018-01-02 09:28:46
Local clock offset: 1.565 ms
Remote clock offset: -1.513 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

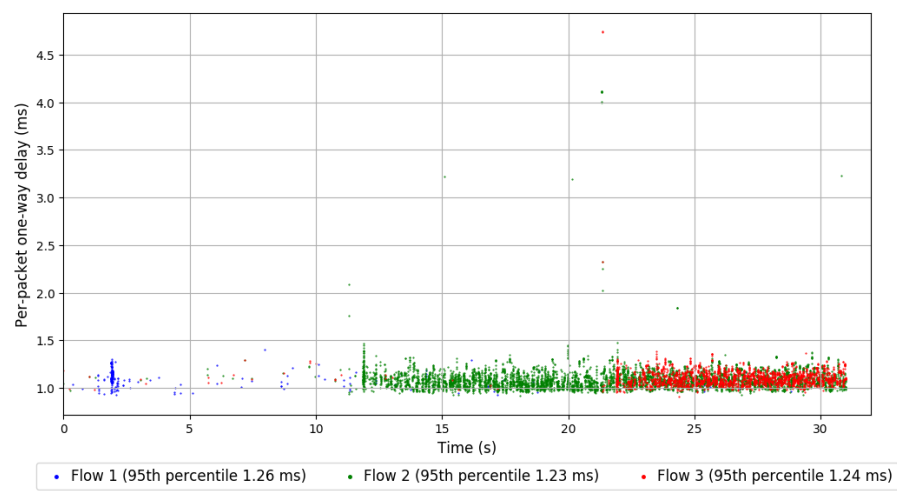
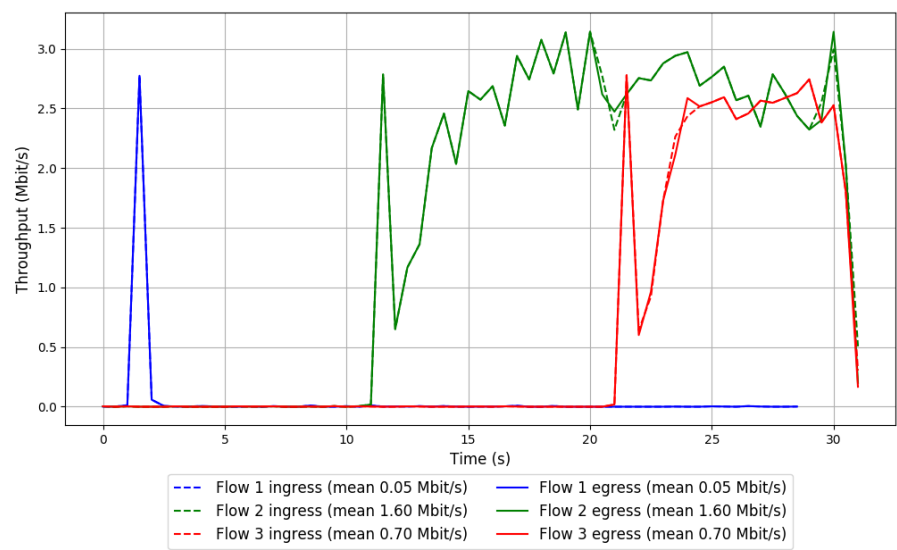


Run 7: Statistics of WebRTC media

Start at: 2018-01-02 09:50:27
End at: 2018-01-02 09:50:57
Local clock offset: 1.317 ms
Remote clock offset: -1.161 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.32%

Run 7: Report of WebRTC media — Data Link

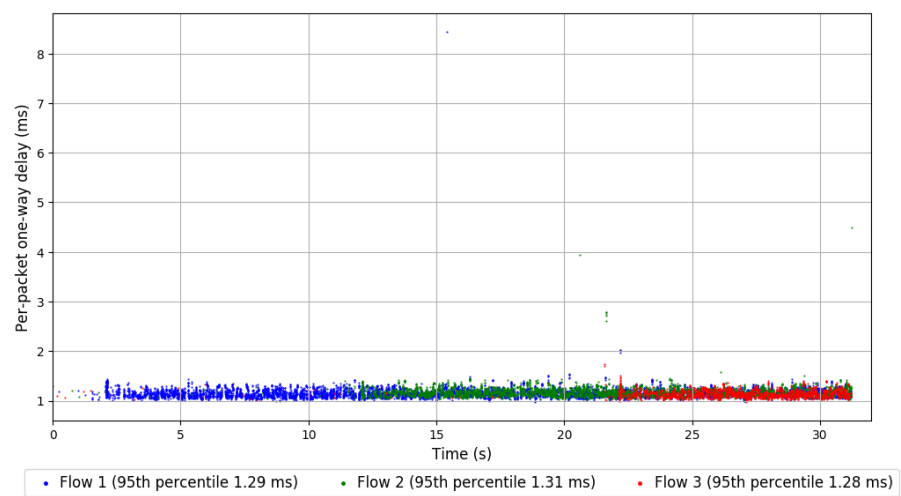
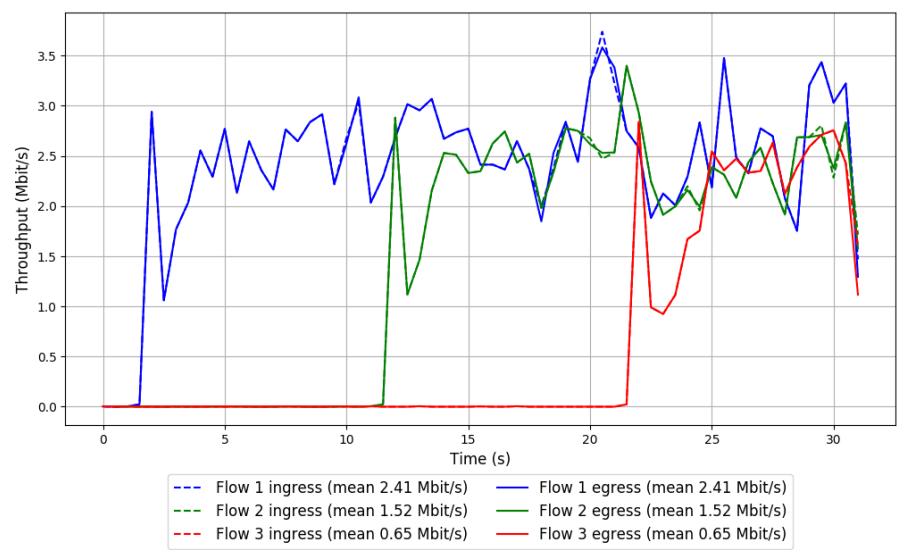


Run 8: Statistics of WebRTC media

Start at: 2018-01-02 10:12:50
End at: 2018-01-02 10:13:20
Local clock offset: 1.299 ms
Remote clock offset: -1.115 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 1.20%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-02 10:35:13

End at: 2018-01-02 10:35:43

Local clock offset: 1.09 ms

Remote clock offset: -1.12 ms

Below is generated by plot.py at 2018-01-02 15:50:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 1.194 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.42 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 1.183 ms

Loss rate: 0.06%

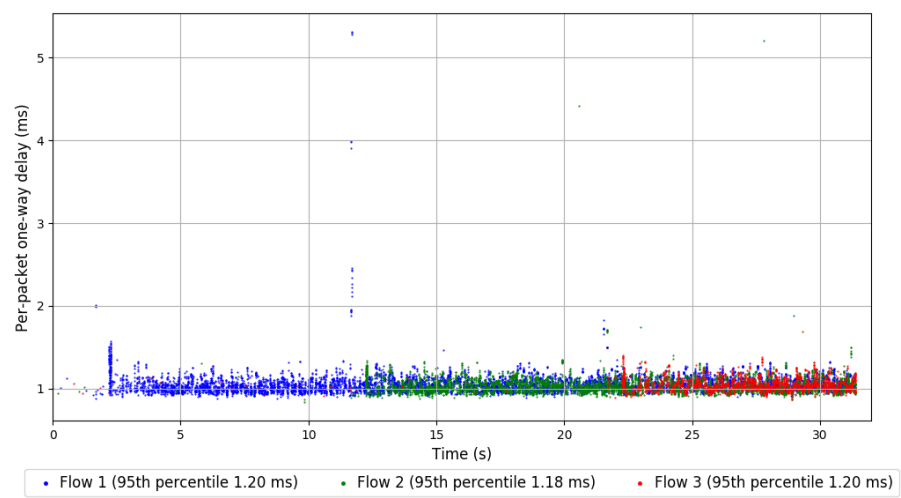
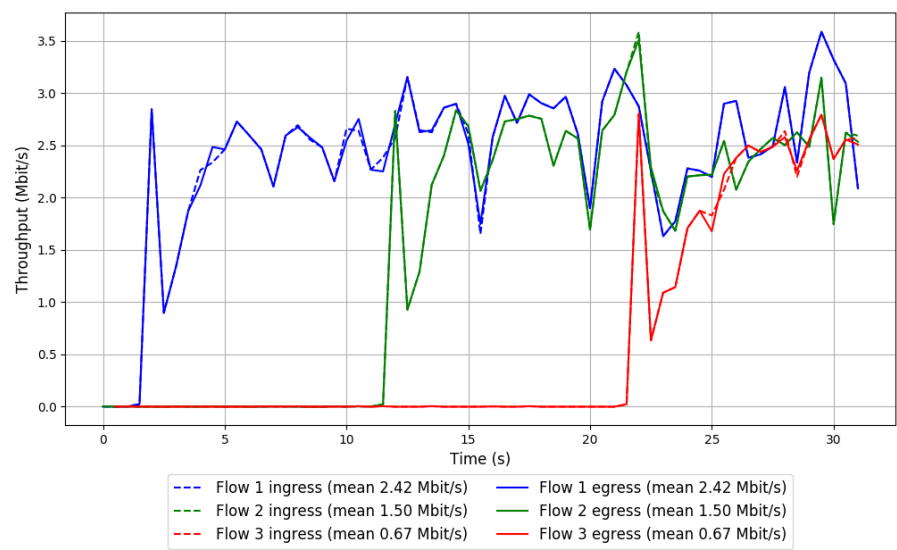
-- Flow 3:

Average throughput: 0.67 Mbit/s

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

Loss rate: 0.15%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-01-02 10:57:21

End at: 2018-01-02 10:57:51

Local clock offset: 1.279 ms

Remote clock offset: -1.03 ms

Below is generated by plot.py at 2018-01-02 15:50:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 1.243 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.449 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 1.232 ms

Loss rate: 0.02%

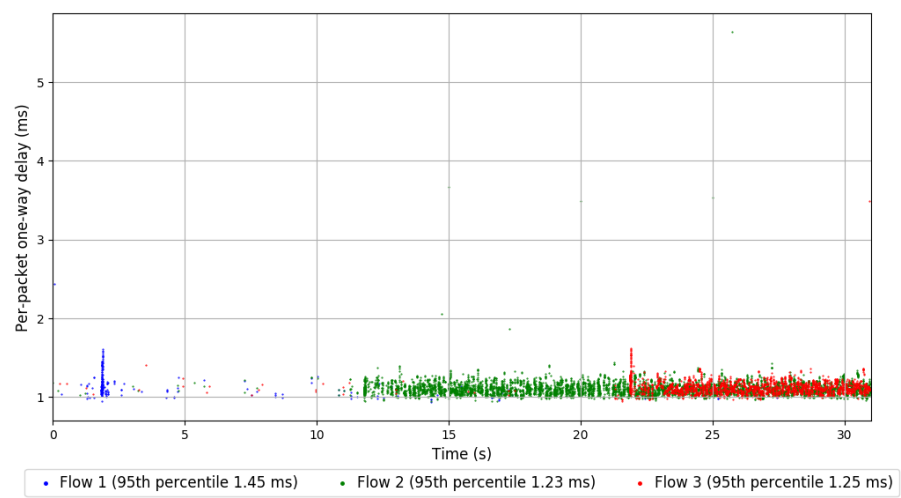
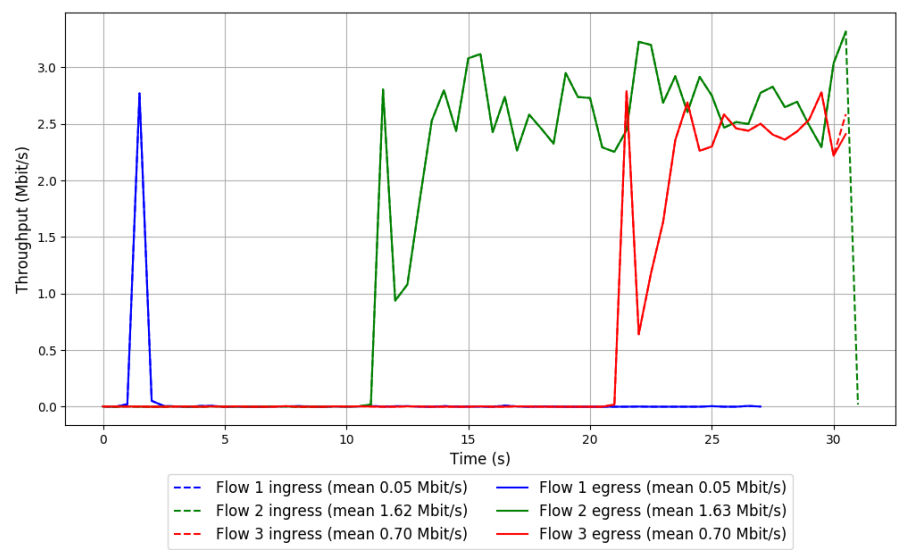
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 1.251 ms

Loss rate: 0.41%

Run 10: Report of WebRTC media — Data Link

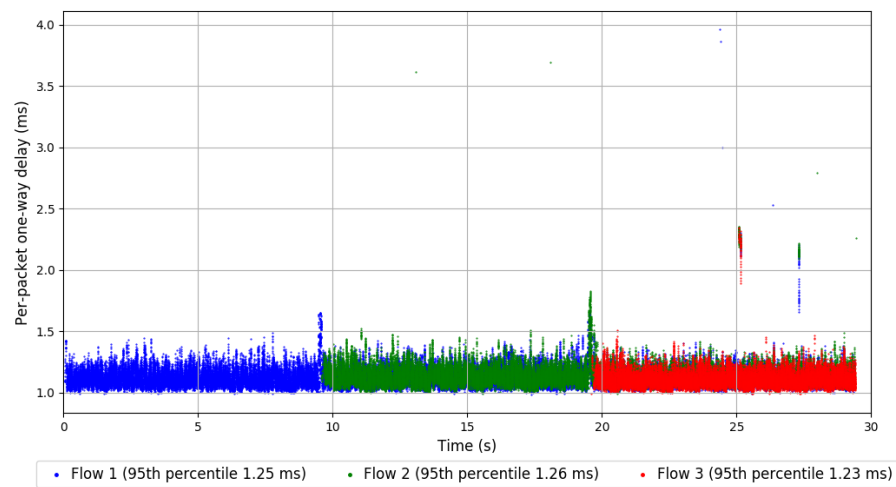
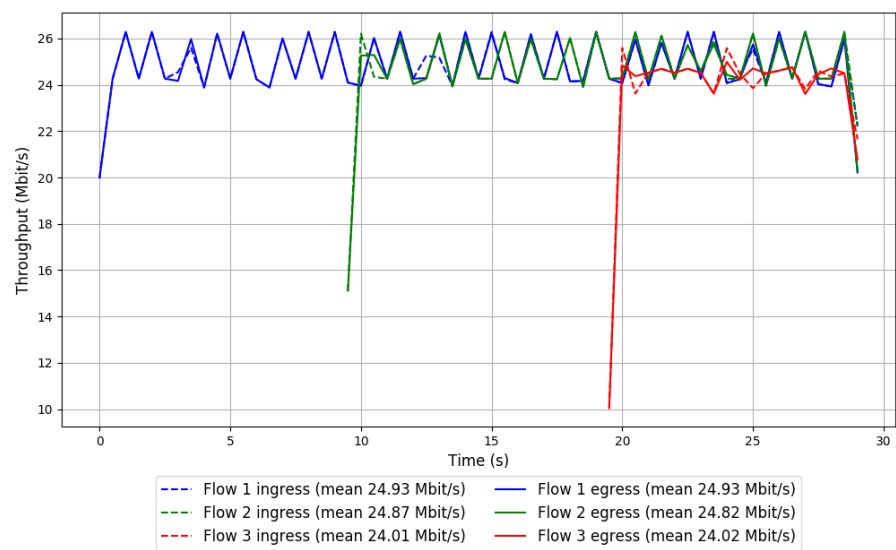


Run 1: Statistics of Sprout

Start at: 2018-01-02 07:31:46
End at: 2018-01-02 07:32:16
Local clock offset: 0.419 ms
Remote clock offset: -3.002 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.67 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.19%

Run 1: Report of Sprout — Data Link

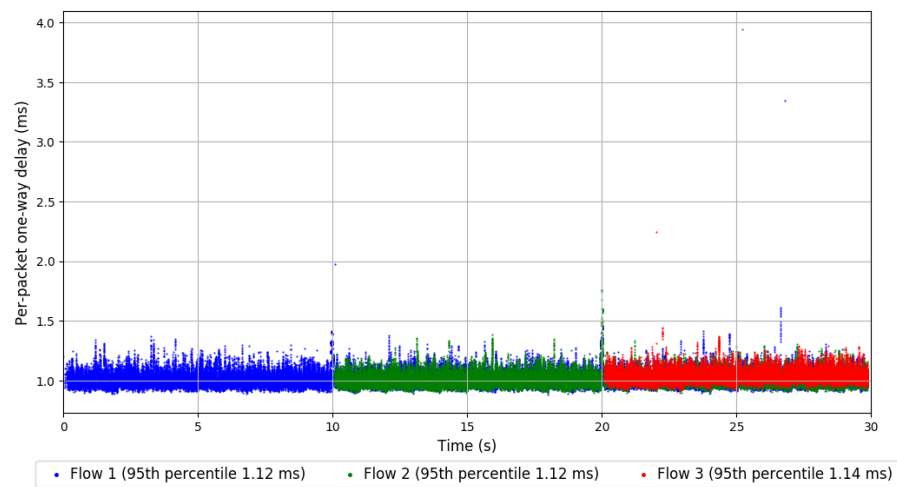
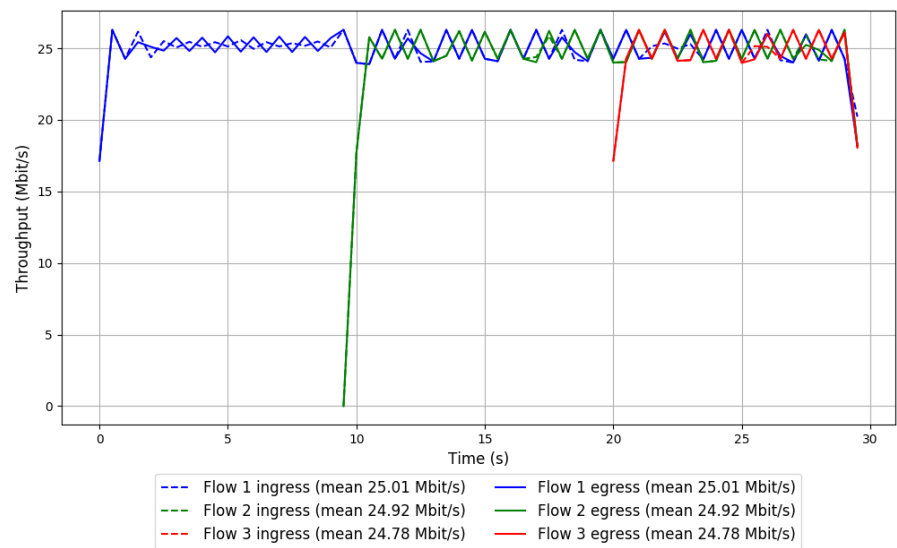


Run 2: Statistics of Sprout

Start at: 2018-01-02 07:53:51
End at: 2018-01-02 07:54:21
Local clock offset: 0.611 ms
Remote clock offset: -2.296 ms

```
# Below is generated by plot.py at 2018-01-02 15:50:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.72 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

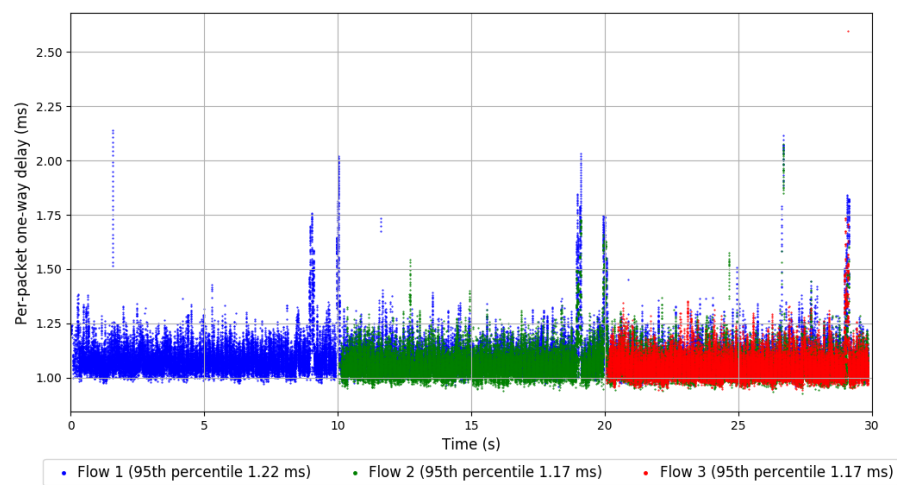
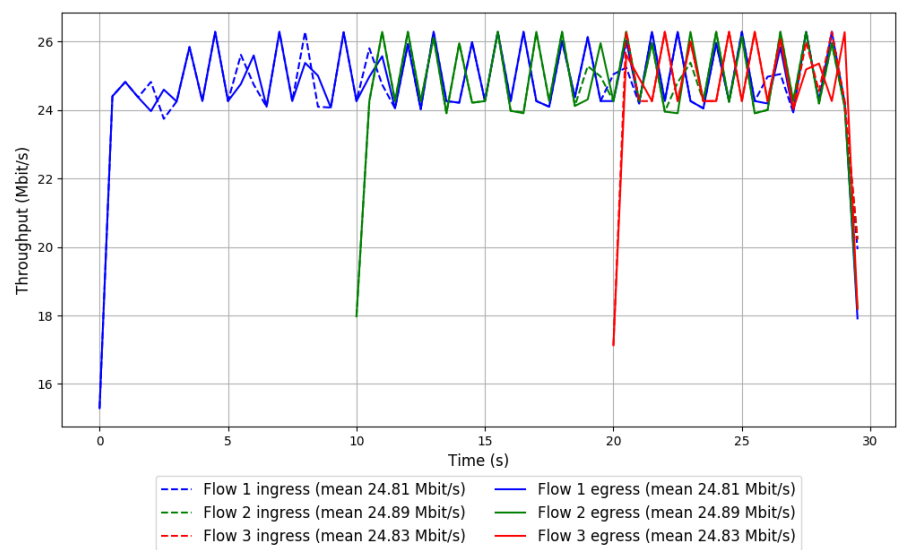


Run 3: Statistics of Sprout

Start at: 2018-01-02 08:15:58
End at: 2018-01-02 08:16:28
Local clock offset: 0.846 ms
Remote clock offset: -1.852 ms

```
# Below is generated by plot.py at 2018-01-02 15:50:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.41%
```


Run 3: Report of Sprout — Data Link

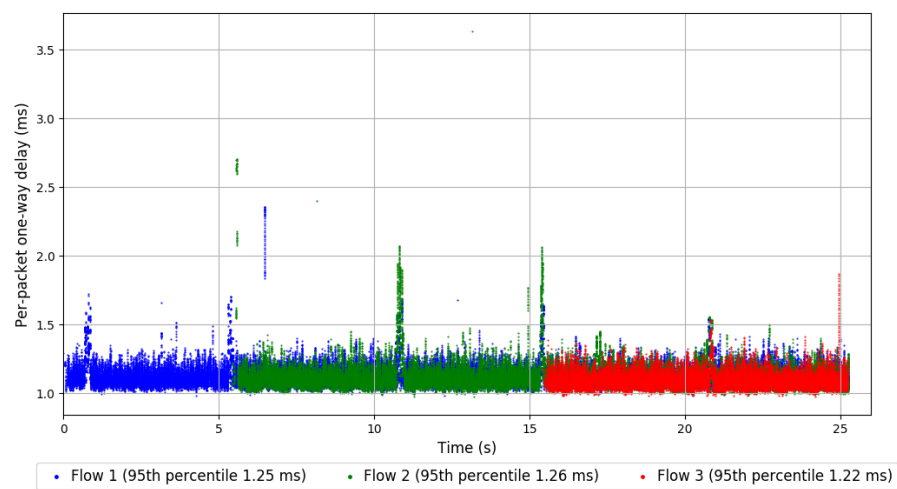
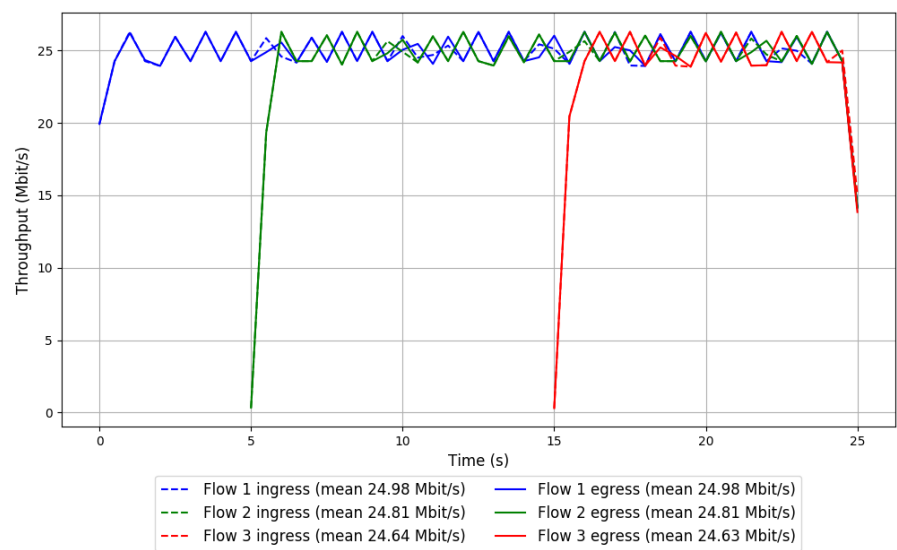


Run 4: Statistics of Sprout

Start at: 2018-01-02 08:38:11
End at: 2018-01-02 08:38:41
Local clock offset: 1.148 ms
Remote clock offset: -1.967 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.04 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.42%

Run 4: Report of Sprout — Data Link

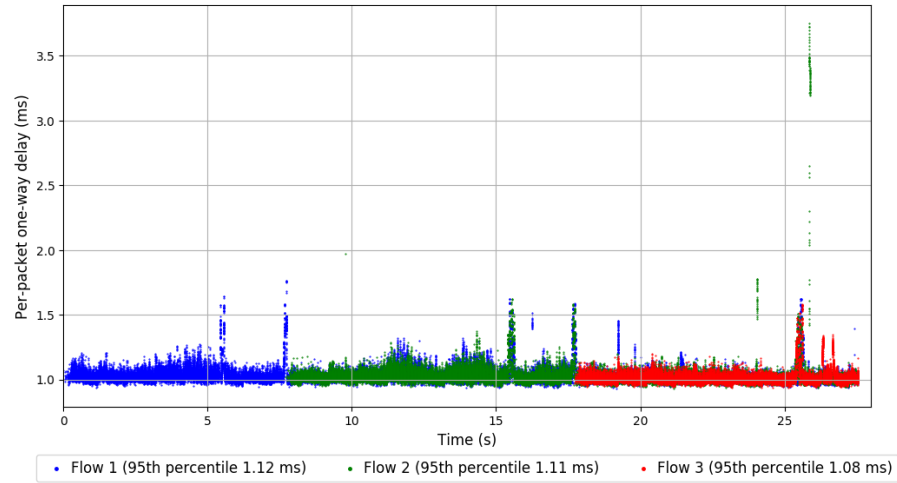
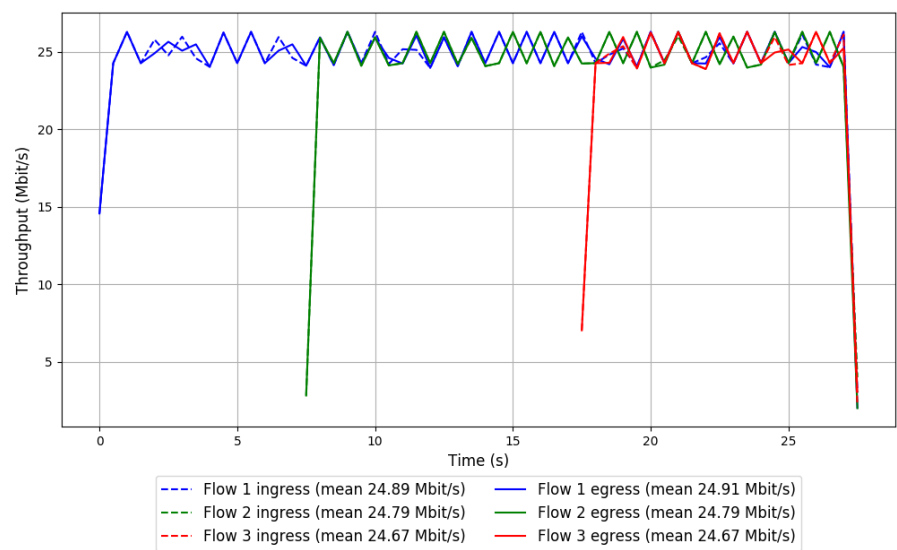


Run 5: Statistics of Sprout

Start at: 2018-01-02 09:00:29
End at: 2018-01-02 09:00:59
Local clock offset: 1.4 ms
Remote clock offset: -1.747 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

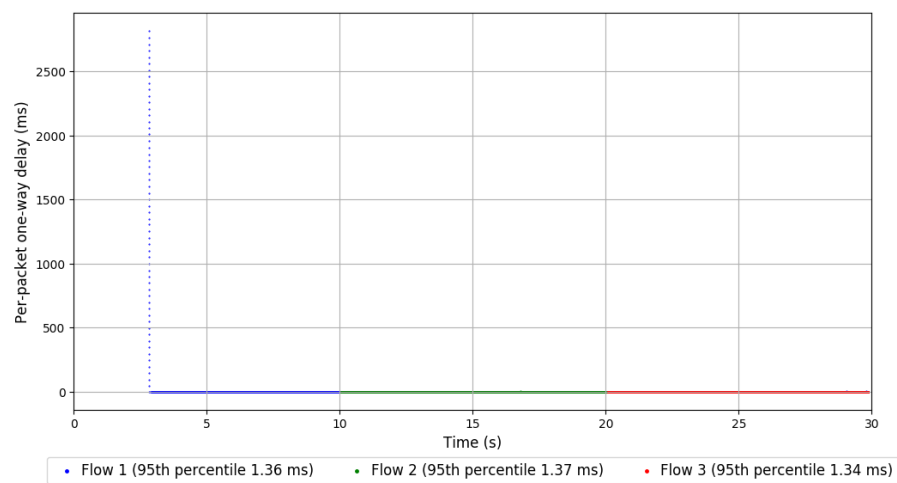
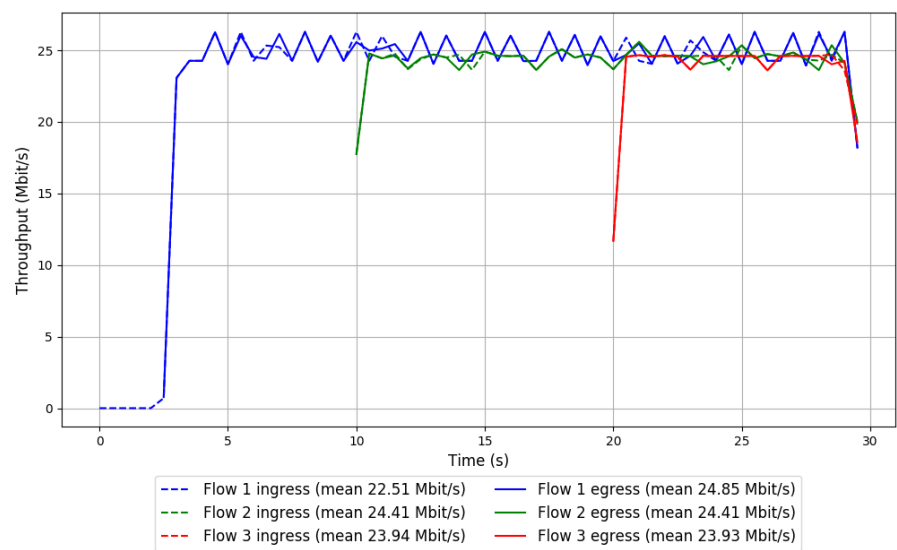


Run 6: Statistics of Sprout

Start at: 2018-01-02 09:22:38
End at: 2018-01-02 09:23:08
Local clock offset: 1.67 ms
Remote clock offset: -1.634 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 1.359 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.26%

Run 6: Report of Sprout — Data Link

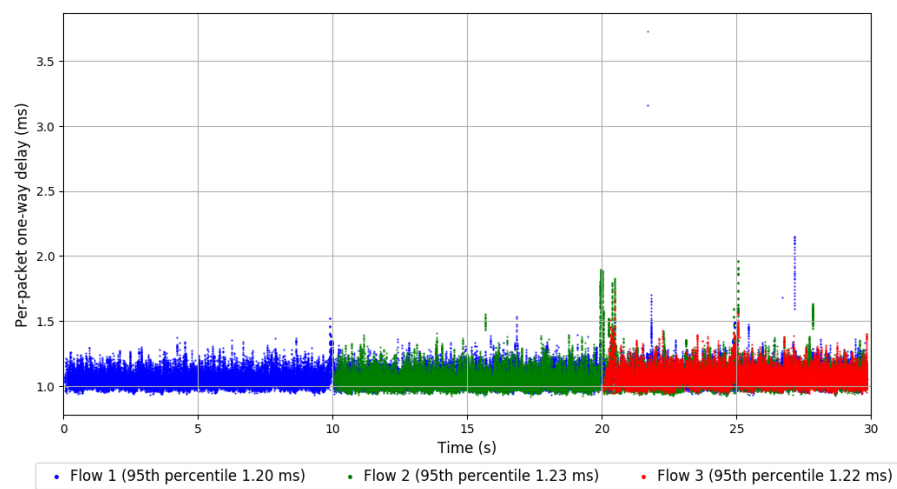
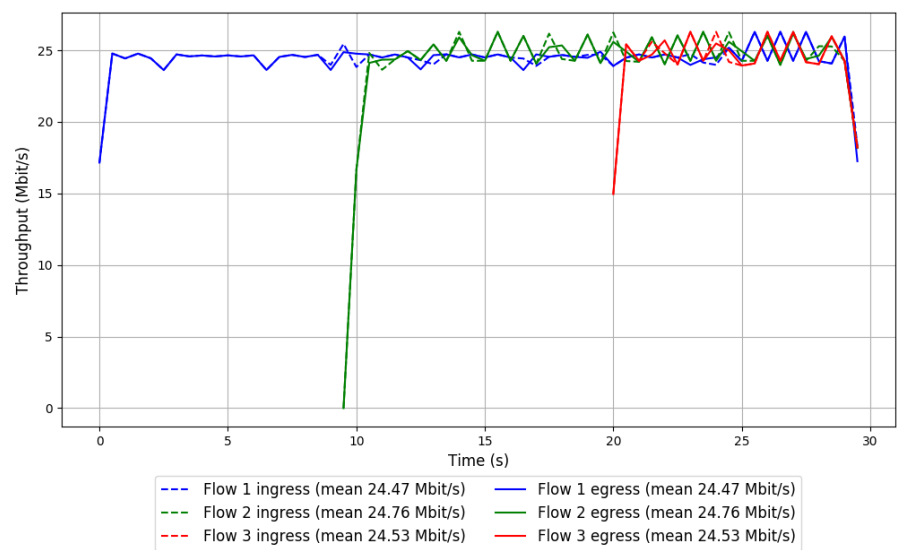


Run 7: Statistics of Sprout

Start at: 2018-01-02 09:44:47
End at: 2018-01-02 09:45:17
Local clock offset: 1.398 ms
Remote clock offset: -1.153 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

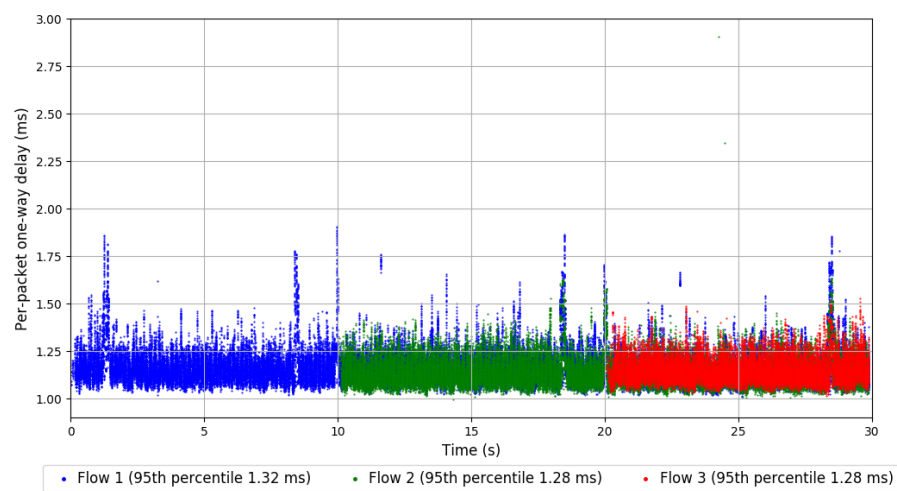
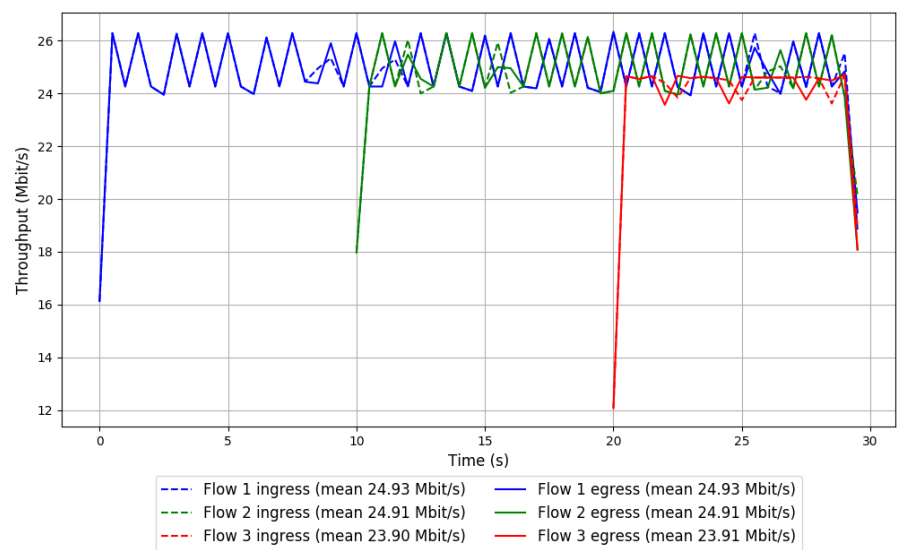


Run 8: Statistics of Sprout

Start at: 2018-01-02 10:07:13
End at: 2018-01-02 10:07:43
Local clock offset: 1.357 ms
Remote clock offset: -0.961 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.18%

Run 8: Report of Sprout — Data Link

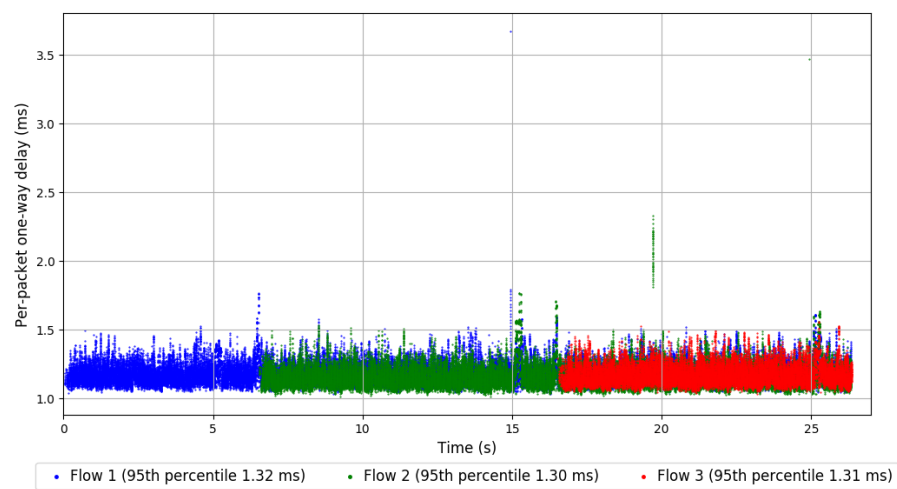
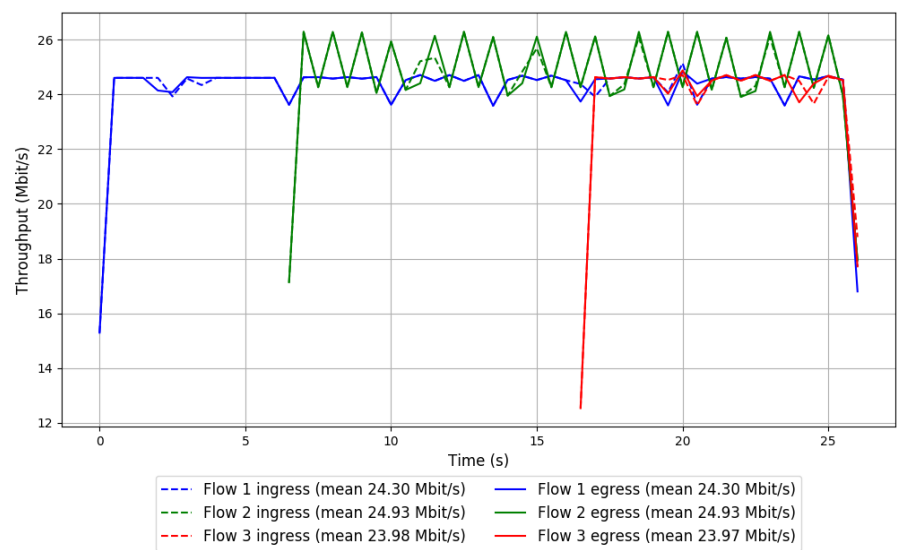


Run 9: Statistics of Sprout

Start at: 2018-01-02 10:29:33
End at: 2018-01-02 10:30:03
Local clock offset: 1.136 ms
Remote clock offset: -1.197 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.99 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.23%

Run 9: Report of Sprout — Data Link

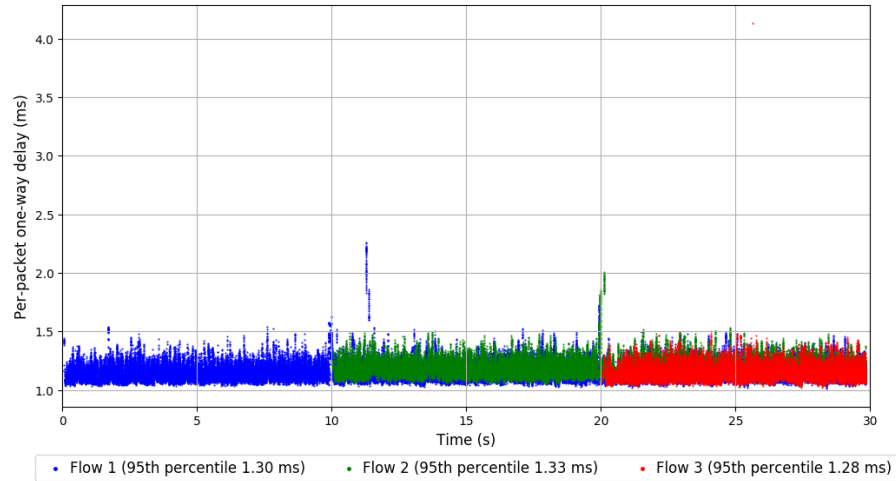
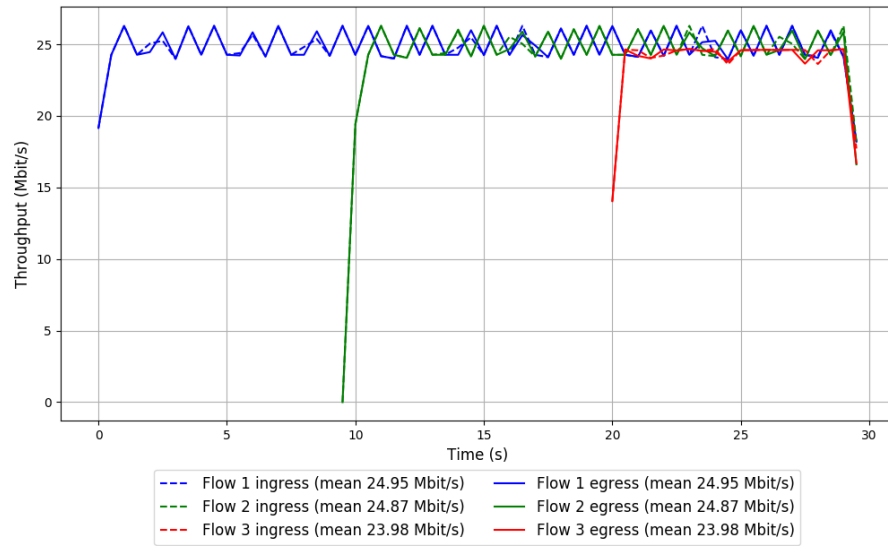


Run 10: Statistics of Sprout

Start at: 2018-01-02 10:51:43
End at: 2018-01-02 10:52:13
Local clock offset: 1.27 ms
Remote clock offset: -0.945 ms

Below is generated by plot.py at 2018-01-02 15:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.37 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.22%

Run 10: Report of Sprout — Data Link

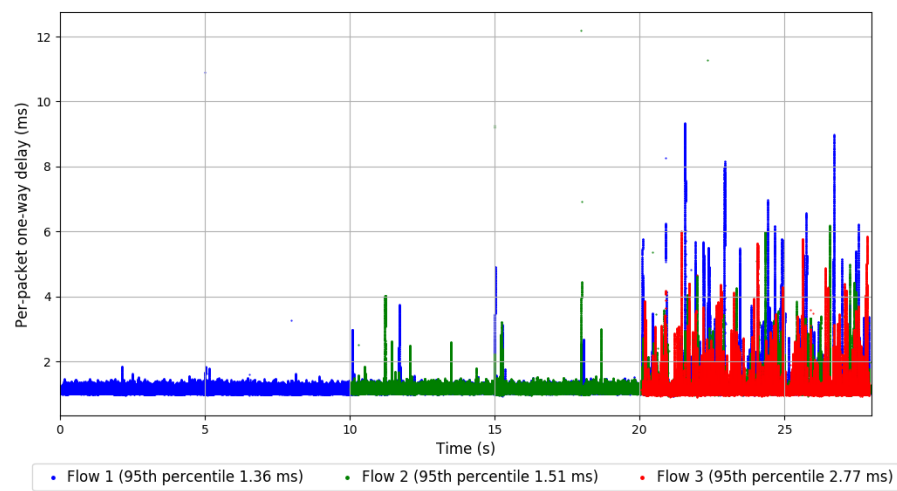
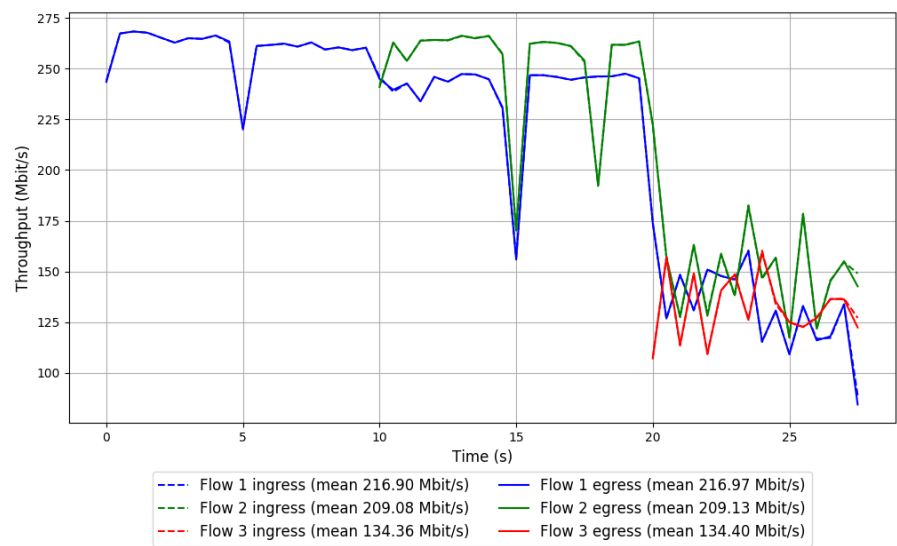


Run 1: Statistics of TaoVA-100x

Start at: 2018-01-02 07:34:20
End at: 2018-01-02 07:34:50
Local clock offset: 0.452 ms
Remote clock offset: -2.965 ms

Below is generated by plot.py at 2018-01-02 15:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.09 Mbit/s
95th percentile per-packet one-way delay: 1.599 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 216.97 Mbit/s
95th percentile per-packet one-way delay: 1.362 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 209.13 Mbit/s
95th percentile per-packet one-way delay: 1.506 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 134.40 Mbit/s
95th percentile per-packet one-way delay: 2.765 ms
Loss rate: 0.25%

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

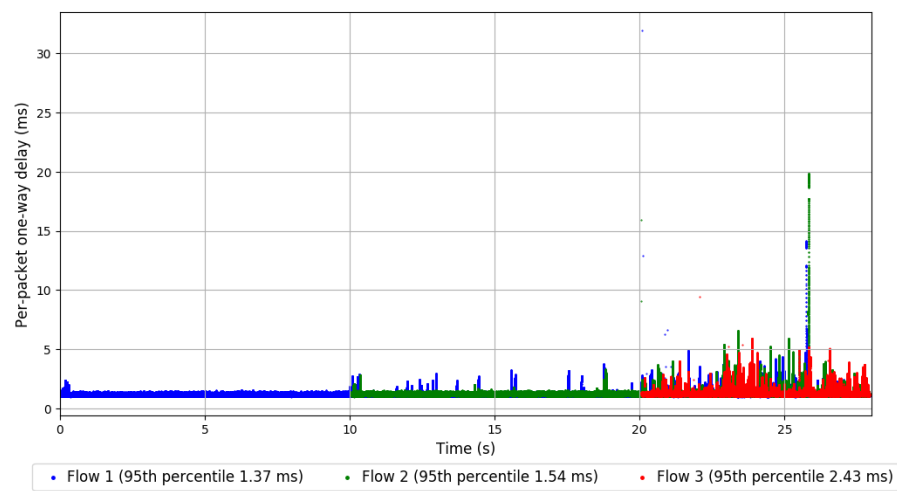
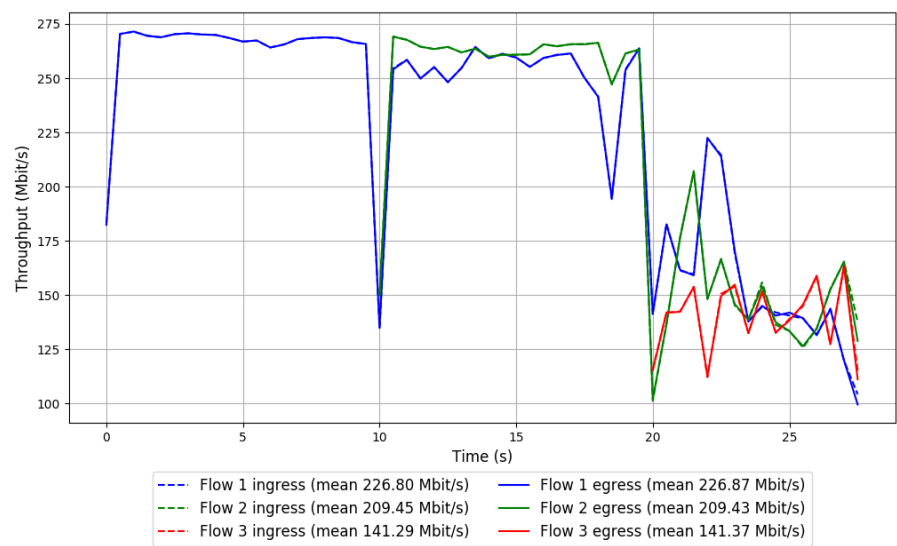


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-02 07:56:25
End at: 2018-01-02 07:56:55
Local clock offset: 0.726 ms
Remote clock offset: -2.278 ms

Below is generated by plot.py at 2018-01-02 15:56:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.07 Mbit/s
95th percentile per-packet one-way delay: 1.535 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 226.87 Mbit/s
95th percentile per-packet one-way delay: 1.370 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 209.43 Mbit/s
95th percentile per-packet one-way delay: 1.538 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 141.37 Mbit/s
95th percentile per-packet one-way delay: 2.428 ms
Loss rate: 0.19%

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

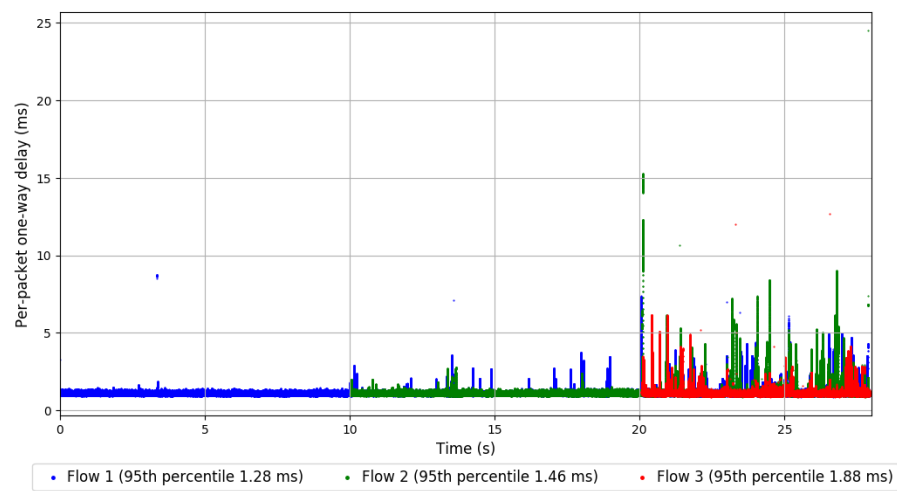
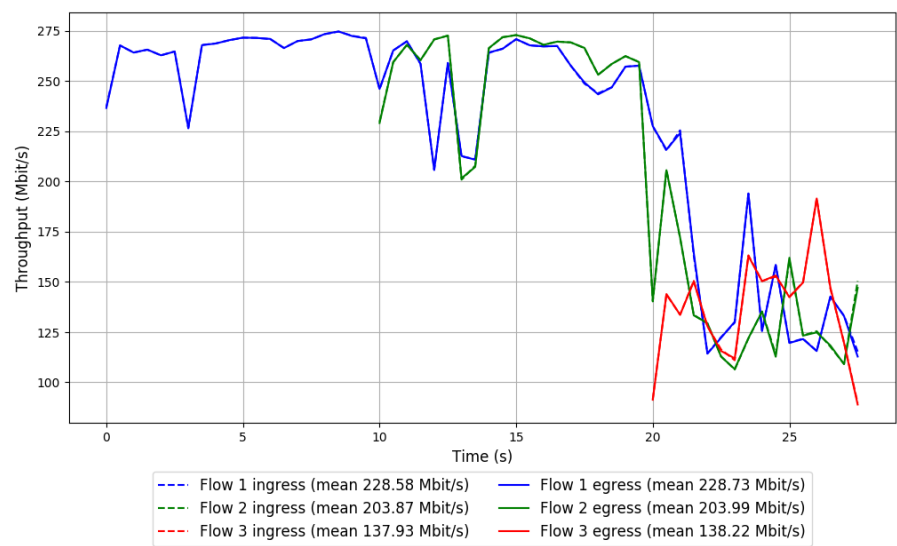


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-02 08:18:31
End at: 2018-01-02 08:19:01
Local clock offset: 0.875 ms
Remote clock offset: -1.877 ms

Below is generated by plot.py at 2018-01-02 15:56:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.67 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 228.73 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 203.99 Mbit/s
95th percentile per-packet one-way delay: 1.459 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 138.22 Mbit/s
95th percentile per-packet one-way delay: 1.880 ms
Loss rate: 0.05%

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

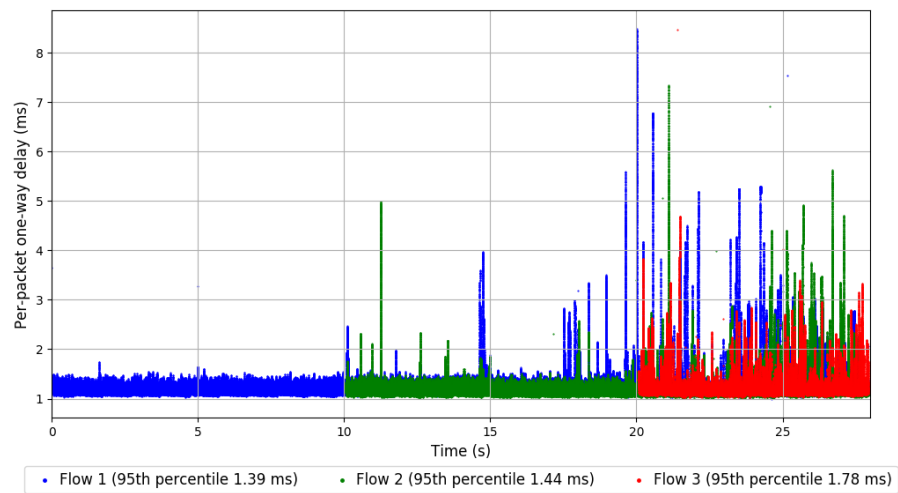
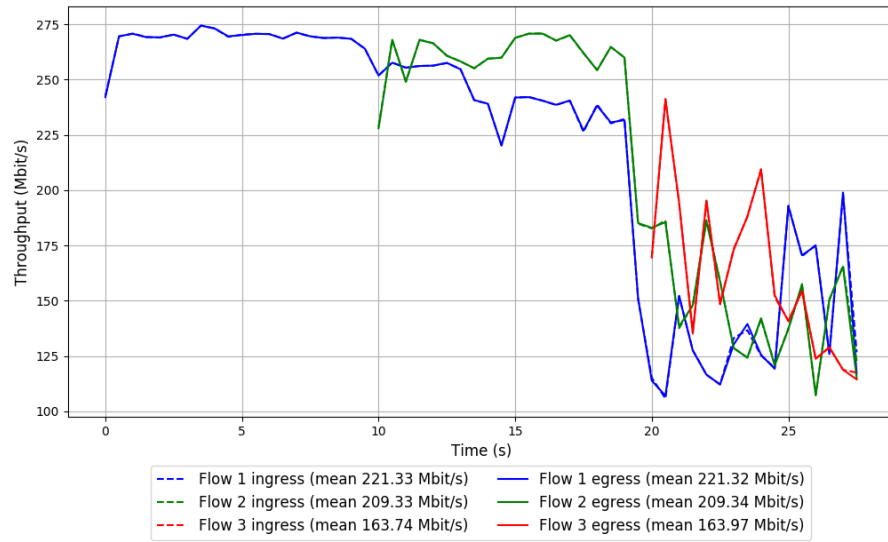


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-02 08:40:43
End at: 2018-01-02 08:41:13
Local clock offset: 1.153 ms
Remote clock offset: -1.997 ms

Below is generated by plot.py at 2018-01-02 15:56:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.84 Mbit/s
95th percentile per-packet one-way delay: 1.449 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 221.32 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 209.34 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 163.97 Mbit/s
95th percentile per-packet one-way delay: 1.781 ms
Loss rate: 0.12%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-02 09:03:03

End at: 2018-01-02 09:03:33

Local clock offset: 1.346 ms

Remote clock offset: -1.85 ms

Below is generated by plot.py at 2018-01-02 15:56:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.90 Mbit/s

95th percentile per-packet one-way delay: 1.363 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 222.98 Mbit/s

95th percentile per-packet one-way delay: 1.285 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 214.83 Mbit/s

95th percentile per-packet one-way delay: 1.319 ms

Loss rate: 0.04%

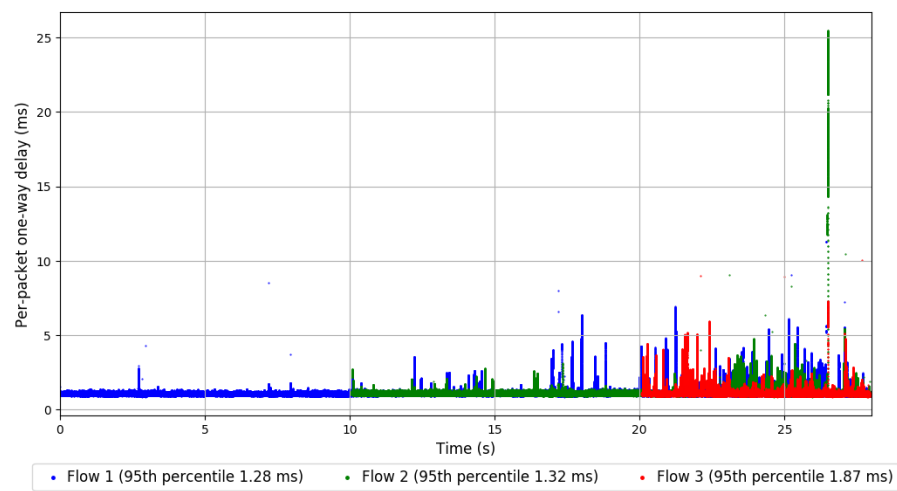
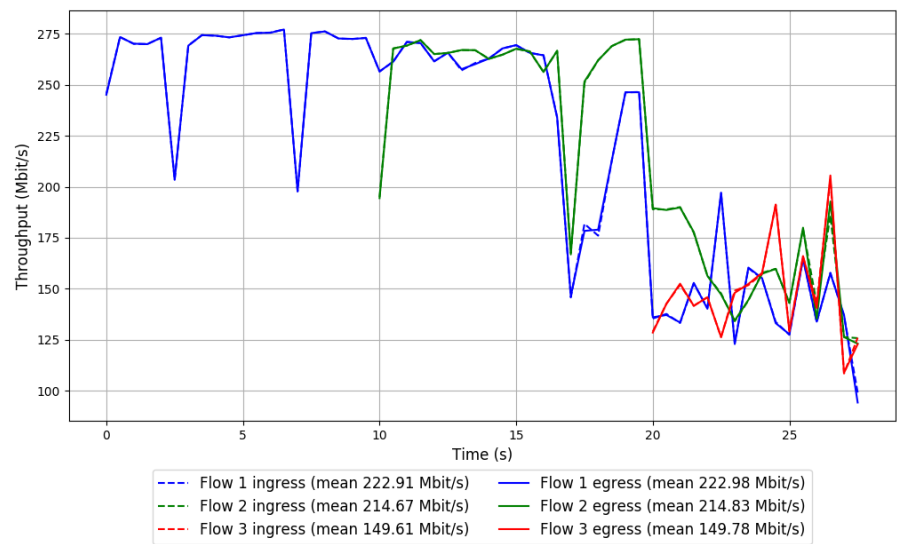
-- Flow 3:

Average throughput: 149.78 Mbit/s

95th percentile per-packet one-way delay: 1.871 ms

Loss rate: 0.14%

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

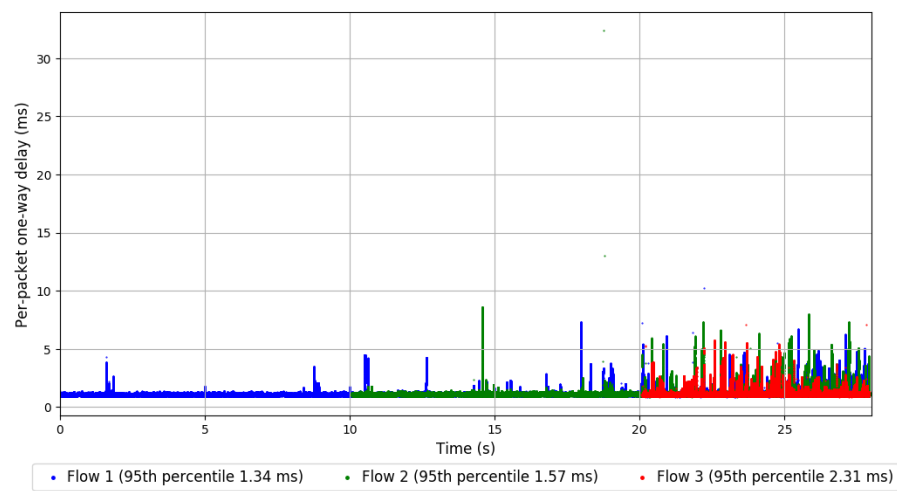
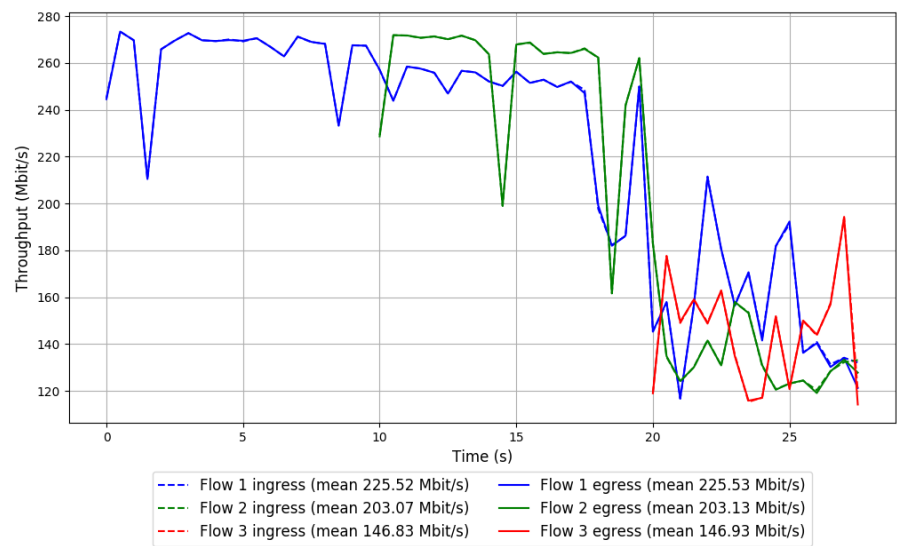


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-02 09:25:11
End at: 2018-01-02 09:25:41
Local clock offset: 1.546 ms
Remote clock offset: -1.502 ms

Below is generated by plot.py at 2018-01-02 15:56:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 397.13 Mbit/s
95th percentile per-packet one-way delay: 1.568 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 225.53 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 203.13 Mbit/s
95th percentile per-packet one-way delay: 1.567 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 146.93 Mbit/s
95th percentile per-packet one-way delay: 2.312 ms
Loss rate: 0.24%

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

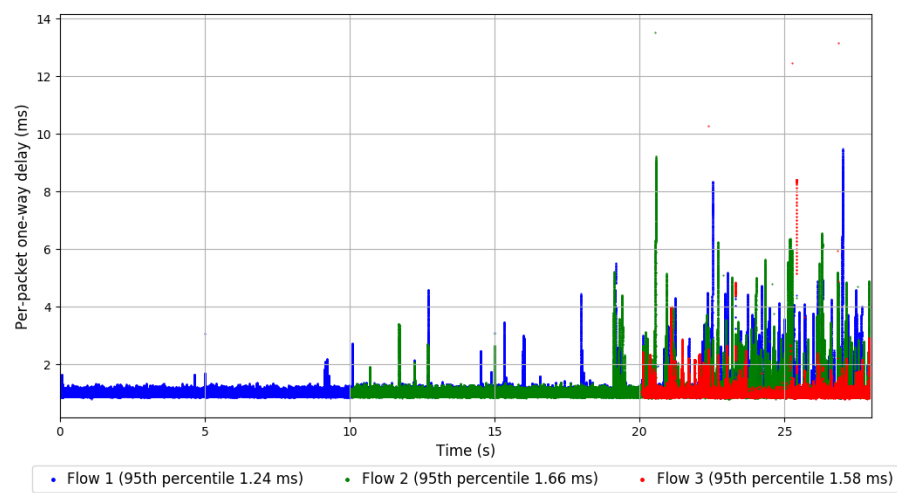
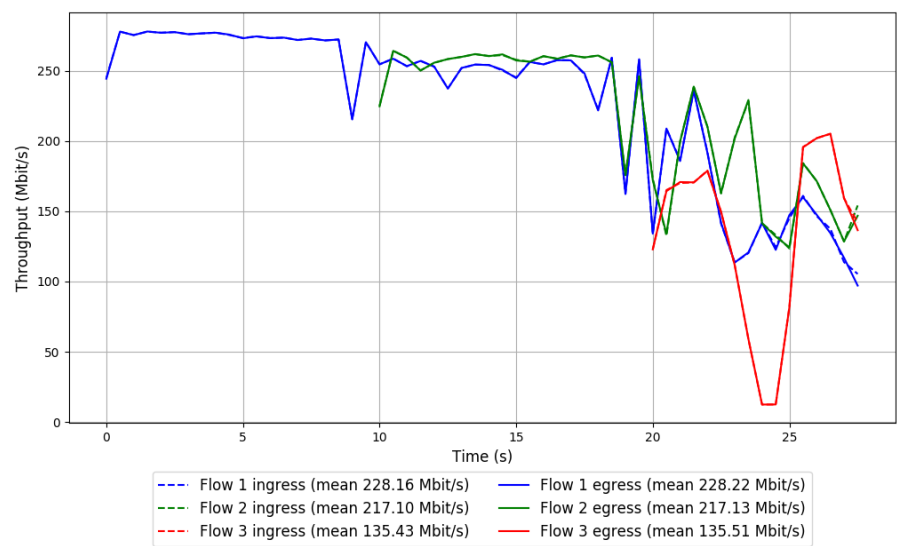


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-02 09:47:21
End at: 2018-01-02 09:47:51
Local clock offset: 1.318 ms
Remote clock offset: -1.111 ms

Below is generated by plot.py at 2018-01-02 16:00:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.60 Mbit/s
95th percentile per-packet one-way delay: 1.393 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 228.22 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 217.13 Mbit/s
95th percentile per-packet one-way delay: 1.664 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 135.51 Mbit/s
95th percentile per-packet one-way delay: 1.585 ms
Loss rate: 0.26%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-01-02 10:09:47

End at: 2018-01-02 10:10:17

Local clock offset: 1.315 ms

Remote clock offset: -1.05 ms

Below is generated by plot.py at 2018-01-02 16:00:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.73 Mbit/s

95th percentile per-packet one-way delay: 1.476 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 224.41 Mbit/s

95th percentile per-packet one-way delay: 1.341 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 199.39 Mbit/s

95th percentile per-packet one-way delay: 1.658 ms

Loss rate: 0.08%

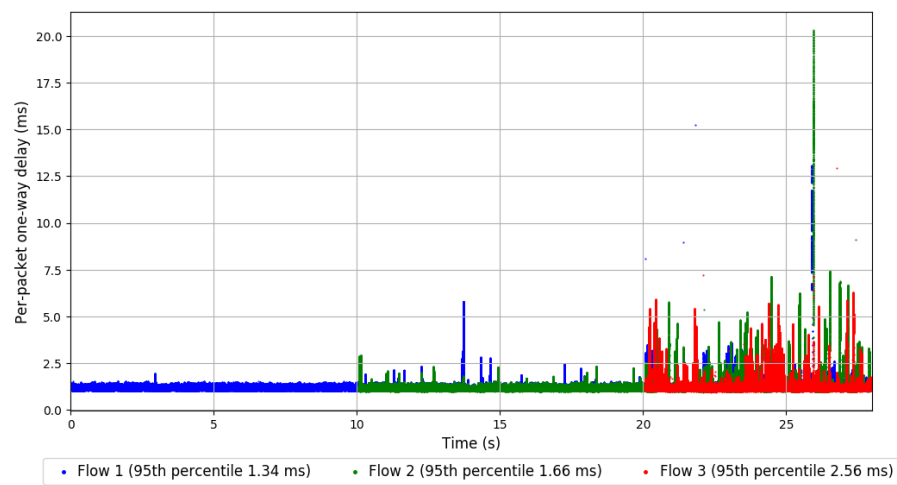
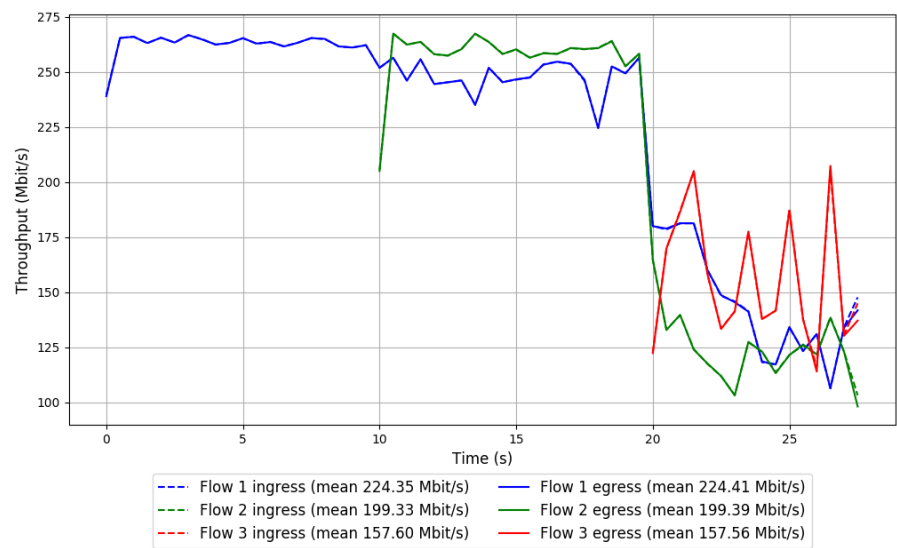
-- Flow 3:

Average throughput: 157.56 Mbit/s

95th percentile per-packet one-way delay: 2.555 ms

Loss rate: 0.33%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-01-02 10:32:07

End at: 2018-01-02 10:32:37

Local clock offset: 1.049 ms

Remote clock offset: -1.1 ms

Below is generated by plot.py at 2018-01-02 16:05:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.72 Mbit/s

95th percentile per-packet one-way delay: 1.327 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 234.44 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 206.96 Mbit/s

95th percentile per-packet one-way delay: 1.402 ms

Loss rate: 0.06%

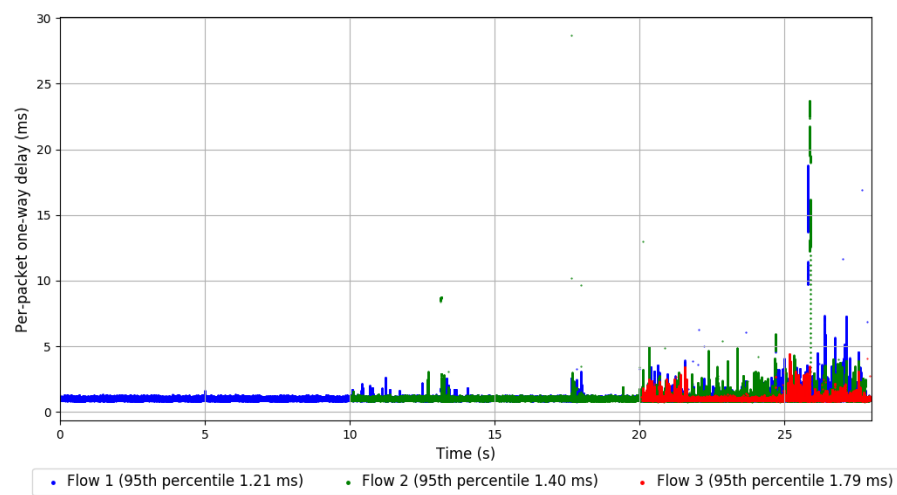
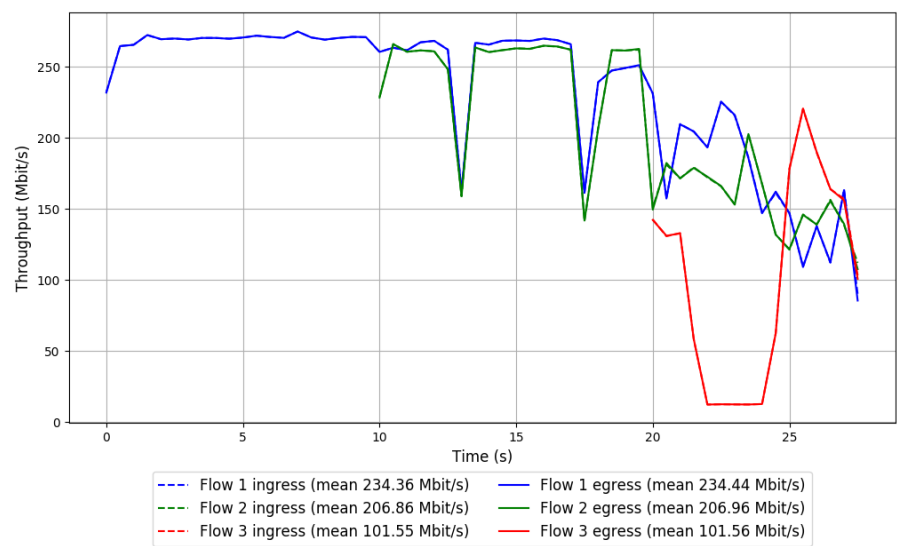
-- Flow 3:

Average throughput: 101.56 Mbit/s

95th percentile per-packet one-way delay: 1.791 ms

Loss rate: 0.22%

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

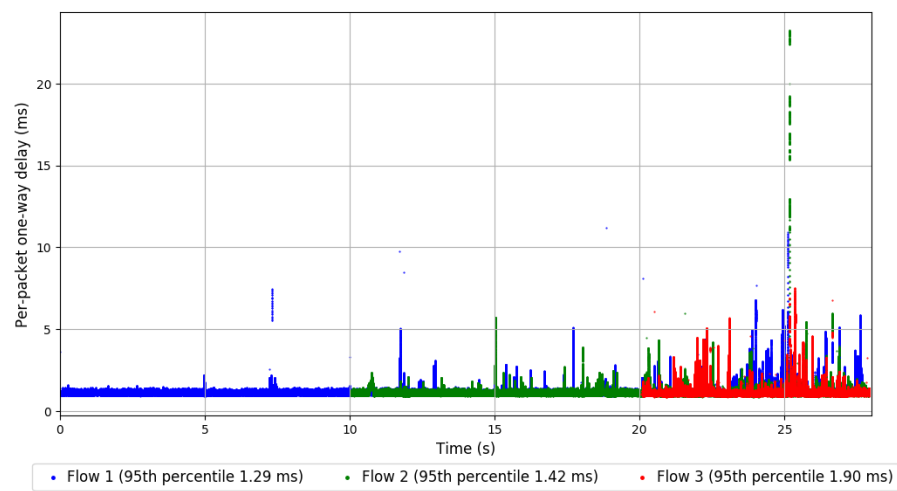
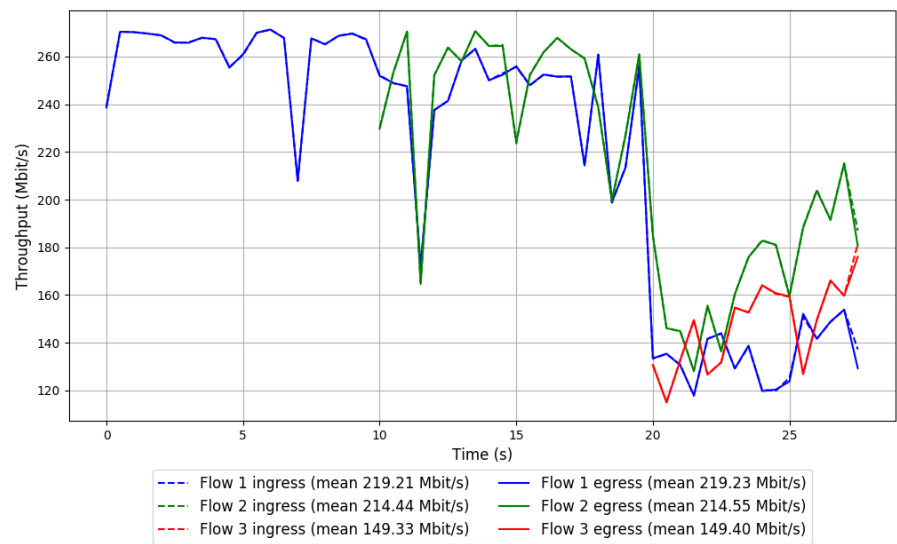


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-02 10:54:16
End at: 2018-01-02 10:54:46
Local clock offset: 1.281 ms
Remote clock offset: -0.848 ms

Below is generated by plot.py at 2018-01-02 16:06:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.95 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 219.23 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 214.55 Mbit/s
95th percentile per-packet one-way delay: 1.422 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 149.40 Mbit/s
95th percentile per-packet one-way delay: 1.899 ms
Loss rate: 0.23%

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

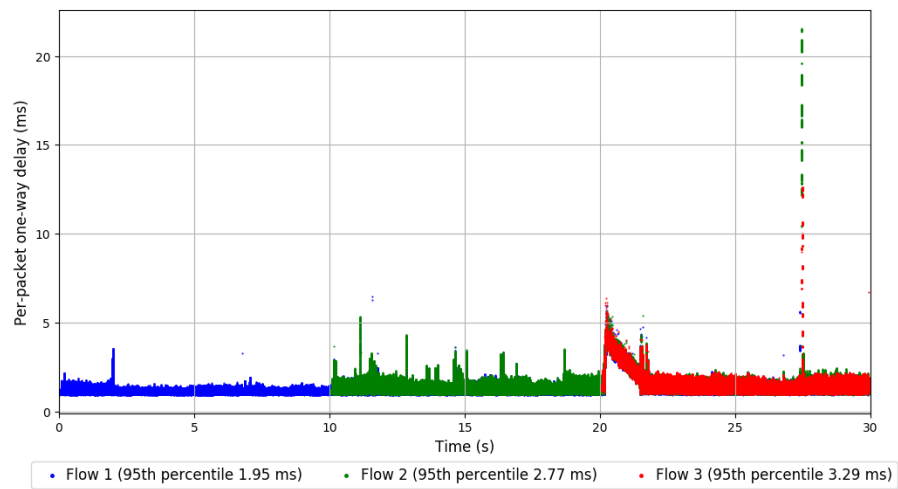
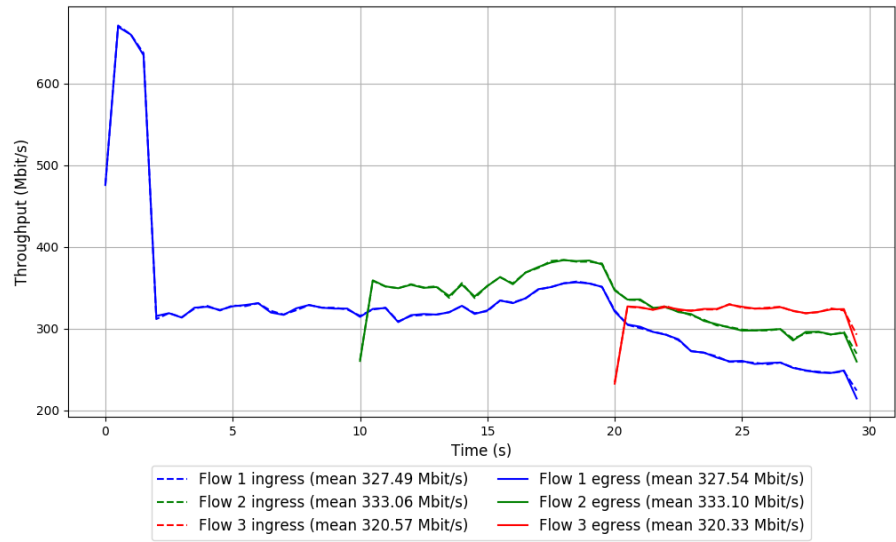


Run 1: Statistics of TCP Vegas

Start at: 2018-01-02 07:18:00
End at: 2018-01-02 07:18:30
Local clock offset: 0.276 ms
Remote clock offset: -3.323 ms

Below is generated by plot.py at 2018-01-02 16:06:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 655.20 Mbit/s
95th percentile per-packet one-way delay: 2.648 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 327.54 Mbit/s
95th percentile per-packet one-way delay: 1.953 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 333.10 Mbit/s
95th percentile per-packet one-way delay: 2.773 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 320.33 Mbit/s
95th percentile per-packet one-way delay: 3.289 ms
Loss rate: 0.21%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-01-02 07:40:24

End at: 2018-01-02 07:40:54

Local clock offset: 0.46 ms

Remote clock offset: -2.72 ms

Below is generated by plot.py at 2018-01-02 16:06:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 564.91 Mbit/s

95th percentile per-packet one-way delay: 1.658 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 259.05 Mbit/s

95th percentile per-packet one-way delay: 1.582 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 334.00 Mbit/s

95th percentile per-packet one-way delay: 1.706 ms

Loss rate: 0.09%

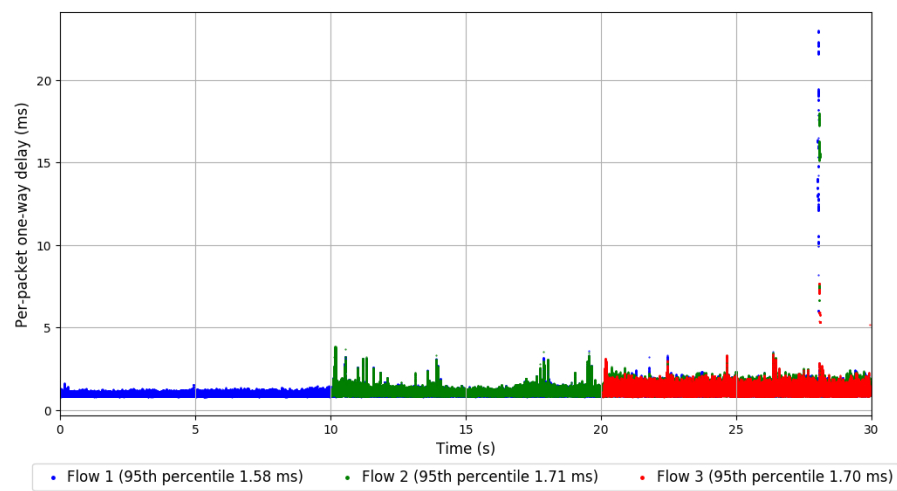
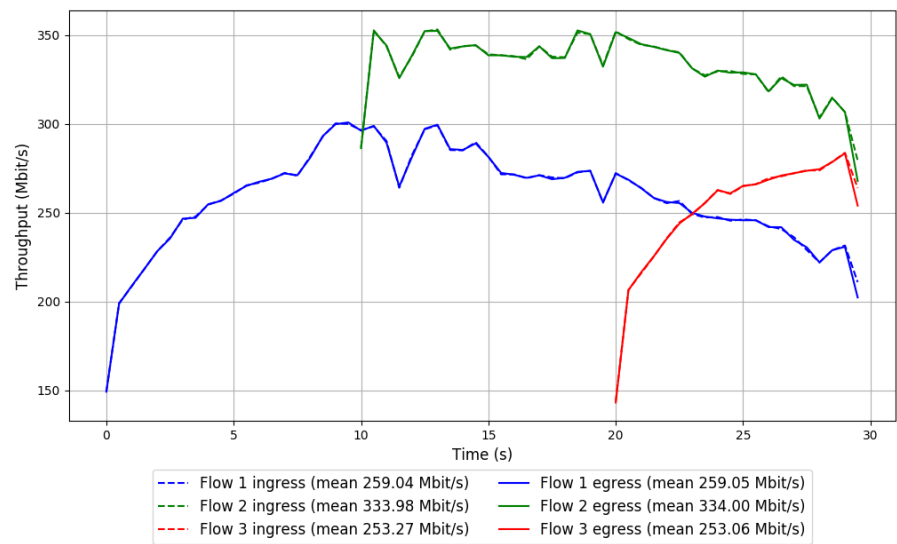
-- Flow 3:

Average throughput: 253.06 Mbit/s

95th percentile per-packet one-way delay: 1.697 ms

Loss rate: 0.22%

Run 2: Report of TCP Vegas — Data Link

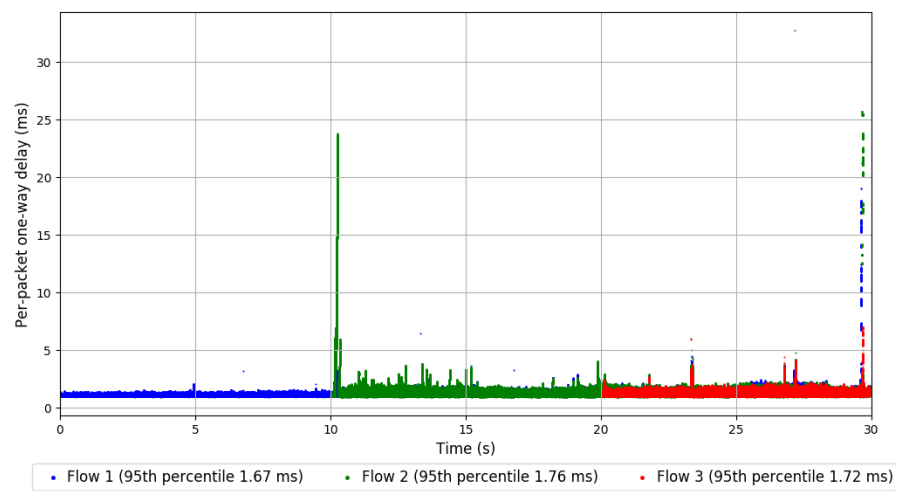
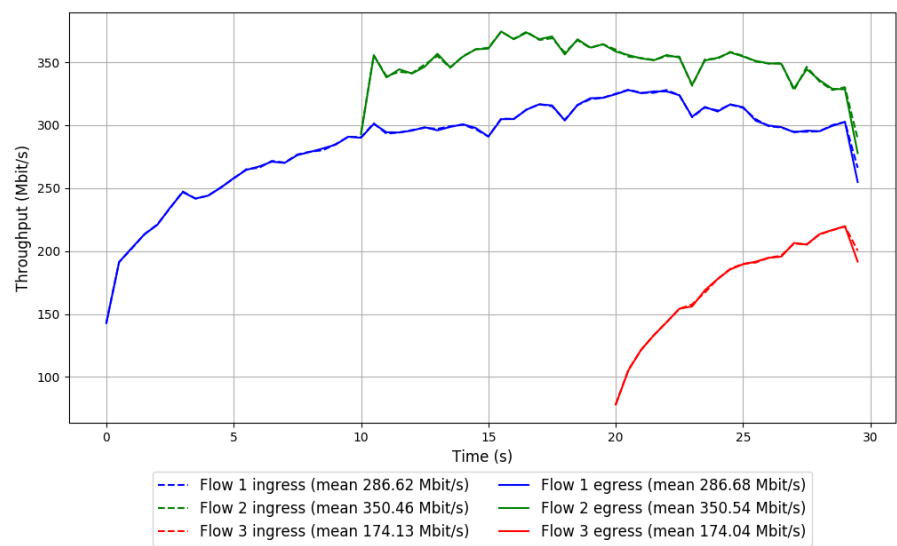


Run 3: Statistics of TCP Vegas

Start at: 2018-01-02 08:02:28
End at: 2018-01-02 08:02:58
Local clock offset: 0.798 ms
Remote clock offset: -2.024 ms

Below is generated by plot.py at 2018-01-02 16:06:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 577.60 Mbit/s
95th percentile per-packet one-way delay: 1.713 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 286.68 Mbit/s
95th percentile per-packet one-way delay: 1.668 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 350.54 Mbit/s
95th percentile per-packet one-way delay: 1.762 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 174.04 Mbit/s
95th percentile per-packet one-way delay: 1.719 ms
Loss rate: 0.25%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-01-02 08:24:38

End at: 2018-01-02 08:25:08

Local clock offset: 0.953 ms

Remote clock offset: -1.82 ms

Below is generated by plot.py at 2018-01-02 16:06:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 641.13 Mbit/s

95th percentile per-packet one-way delay: 2.200 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 323.25 Mbit/s

95th percentile per-packet one-way delay: 1.958 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 316.08 Mbit/s

95th percentile per-packet one-way delay: 2.176 ms

Loss rate: 0.07%

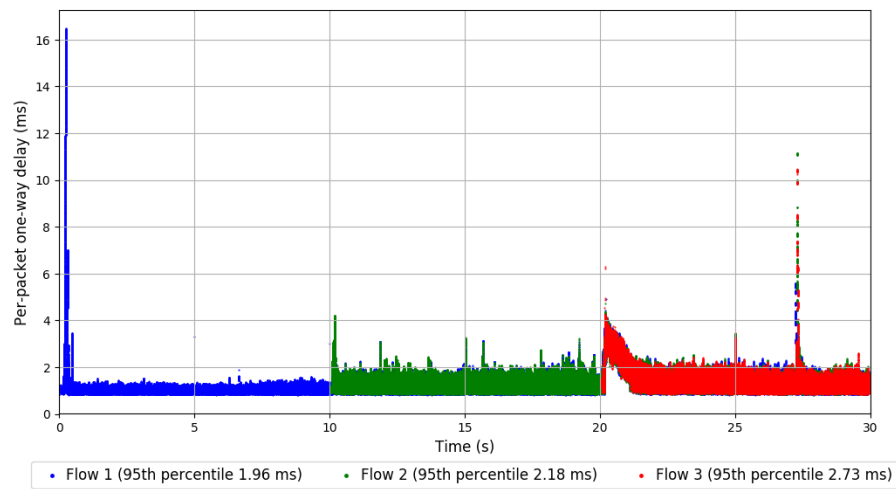
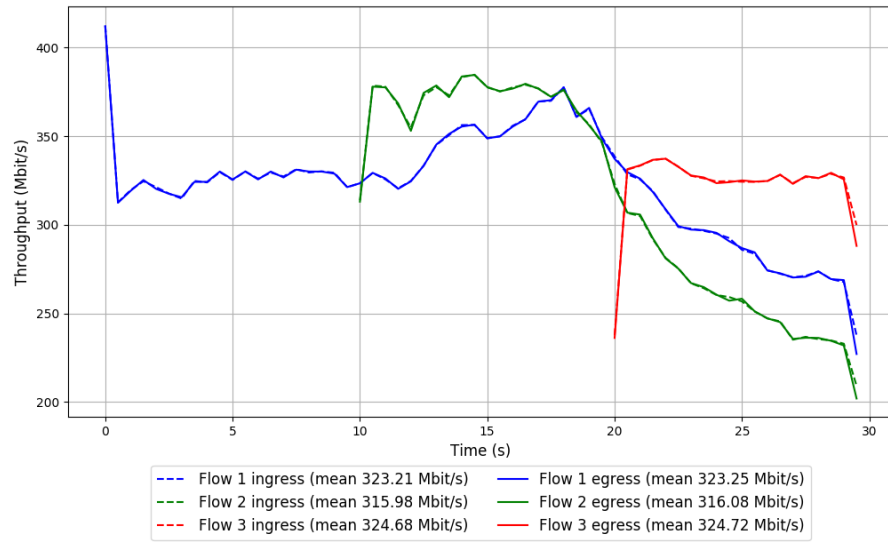
-- Flow 3:

Average throughput: 324.72 Mbit/s

95th percentile per-packet one-way delay: 2.733 ms

Loss rate: 0.21%

Run 4: Report of TCP Vegas — Data Link

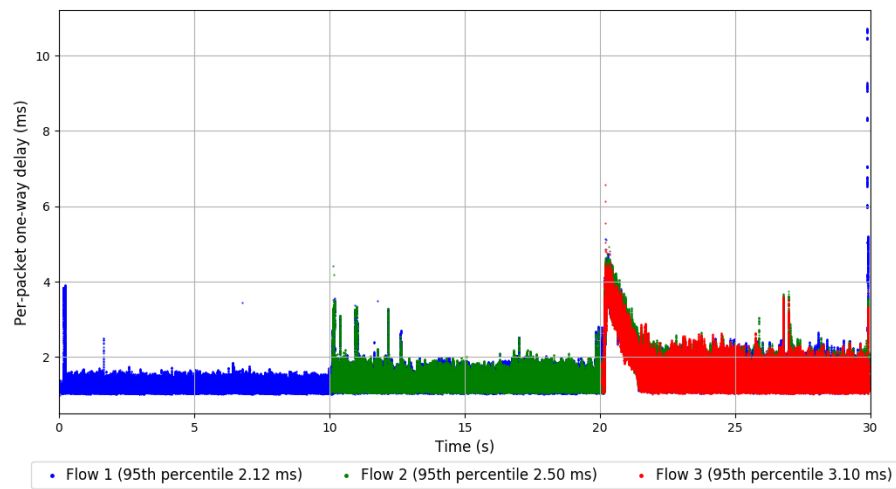
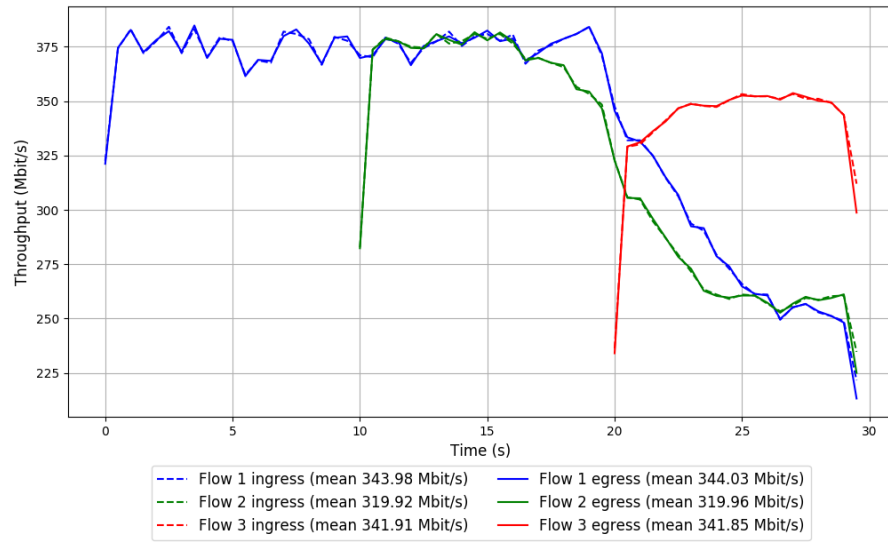


Run 5: Statistics of TCP Vegas

Start at: 2018-01-02 08:46:49
End at: 2018-01-02 08:47:19
Local clock offset: 1.227 ms
Remote clock offset: -1.818 ms

Below is generated by plot.py at 2018-01-02 16:09:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 670.05 Mbit/s
95th percentile per-packet one-way delay: 2.461 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 344.03 Mbit/s
95th percentile per-packet one-way delay: 2.122 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 319.96 Mbit/s
95th percentile per-packet one-way delay: 2.499 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 341.85 Mbit/s
95th percentile per-packet one-way delay: 3.103 ms
Loss rate: 0.21%

Run 5: Report of TCP Vegas — Data Link

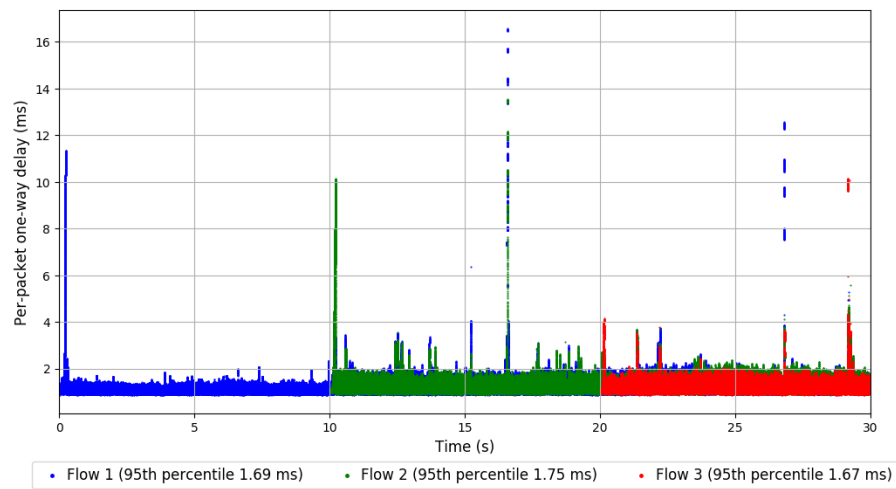
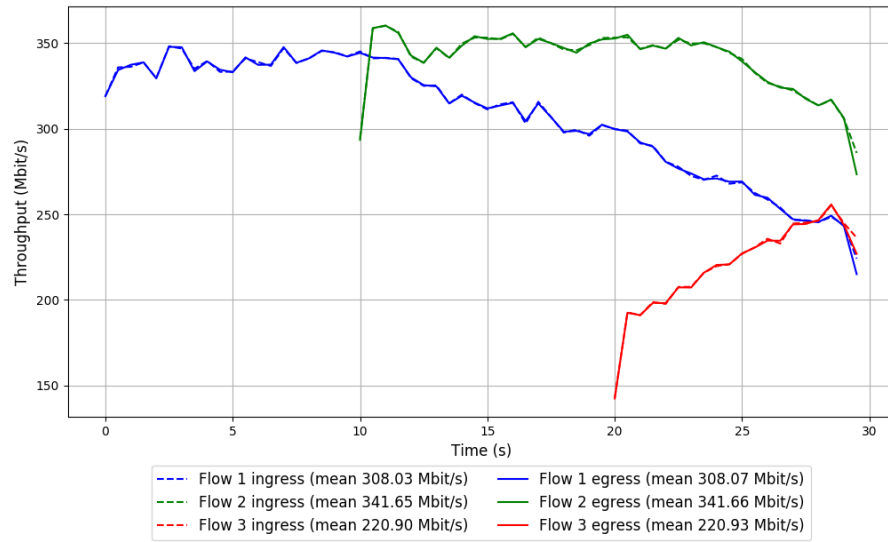


Run 6: Statistics of TCP Vegas

Start at: 2018-01-02 09:09:08
End at: 2018-01-02 09:09:38
Local clock offset: 1.414 ms
Remote clock offset: -1.861 ms

Below is generated by plot.py at 2018-01-02 16:09:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 608.69 Mbit/s
95th percentile per-packet one-way delay: 1.710 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 308.07 Mbit/s
95th percentile per-packet one-way delay: 1.686 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 341.66 Mbit/s
95th percentile per-packet one-way delay: 1.748 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 220.93 Mbit/s
95th percentile per-packet one-way delay: 1.665 ms
Loss rate: 0.24%

Run 6: Report of TCP Vegas — Data Link

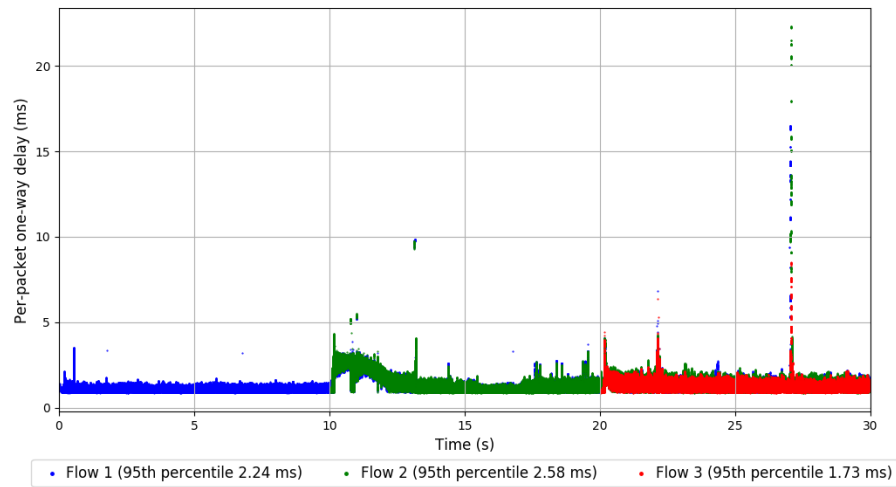
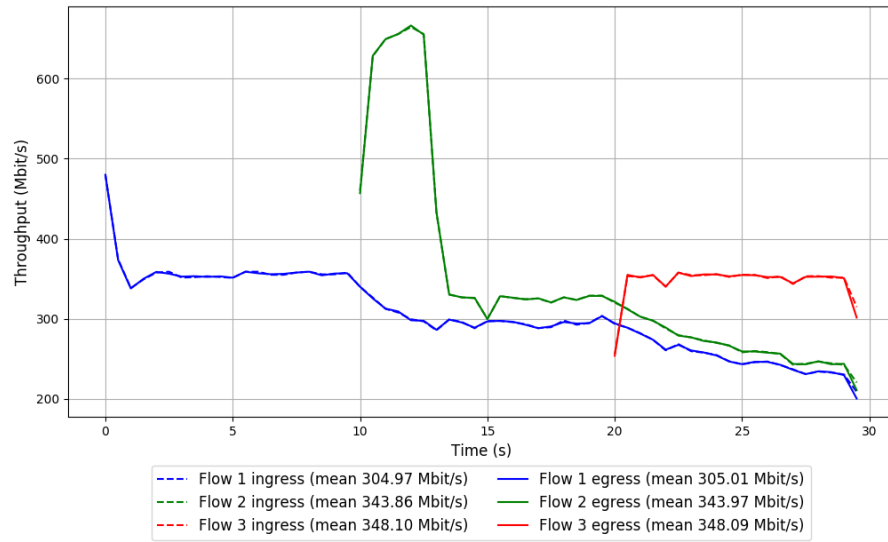


Run 7: Statistics of TCP Vegas

Start at: 2018-01-02 09:31:15
End at: 2018-01-02 09:31:45
Local clock offset: 1.442 ms
Remote clock offset: -1.417 ms

Below is generated by plot.py at 2018-01-02 16:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 649.25 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 305.01 Mbit/s
95th percentile per-packet one-way delay: 2.240 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 343.97 Mbit/s
95th percentile per-packet one-way delay: 2.580 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 348.09 Mbit/s
95th percentile per-packet one-way delay: 1.726 ms
Loss rate: 0.20%

Run 7: Report of TCP Vegas — Data Link

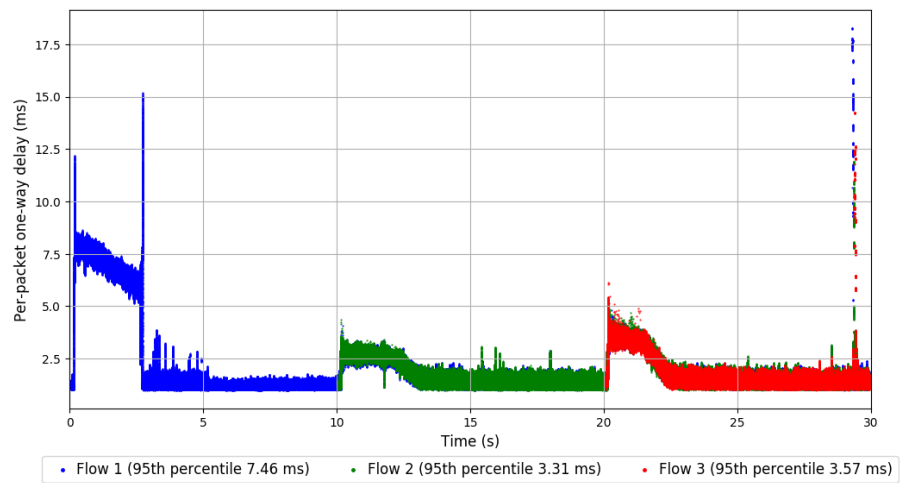
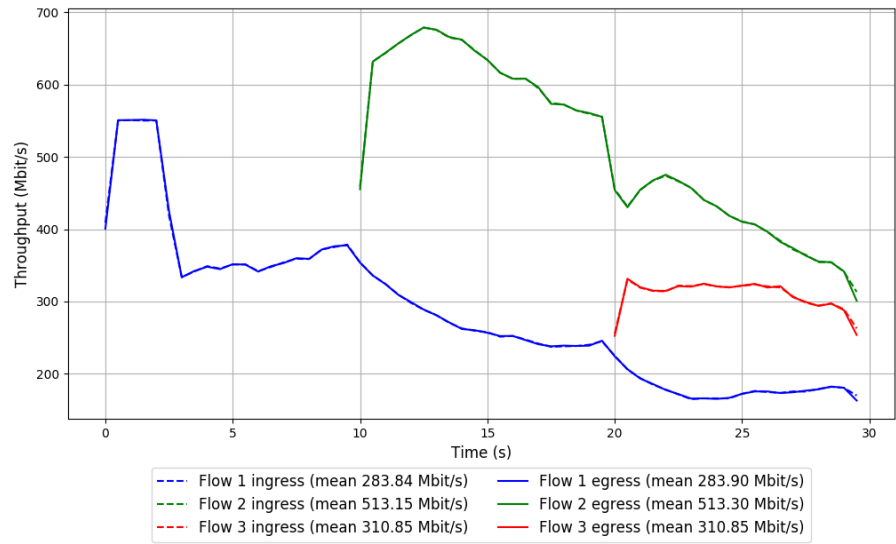


Run 8: Statistics of TCP Vegas

Start at: 2018-01-02 09:53:29
End at: 2018-01-02 09:53:59
Local clock offset: 1.365 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2018-01-02 16:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 728.55 Mbit/s
95th percentile per-packet one-way delay: 6.422 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 283.90 Mbit/s
95th percentile per-packet one-way delay: 7.457 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 513.30 Mbit/s
95th percentile per-packet one-way delay: 3.309 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 310.85 Mbit/s
95th percentile per-packet one-way delay: 3.573 ms
Loss rate: 0.18%

Run 8: Report of TCP Vegas — Data Link

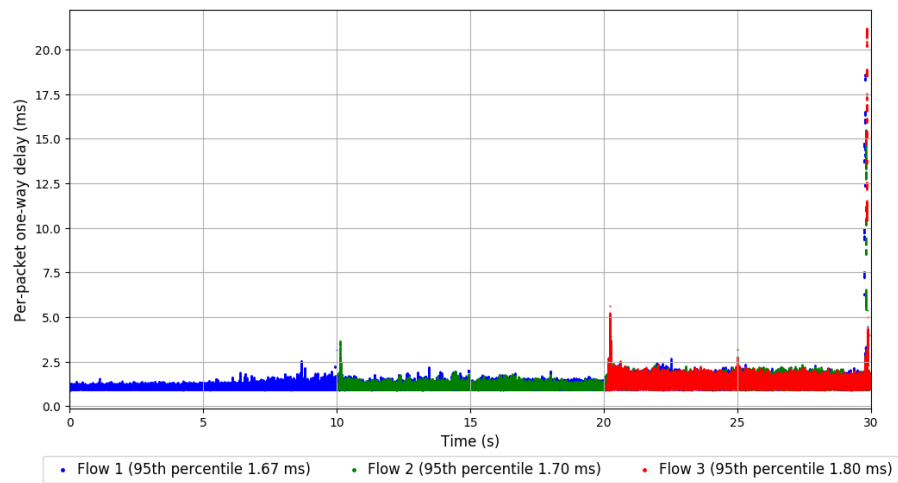
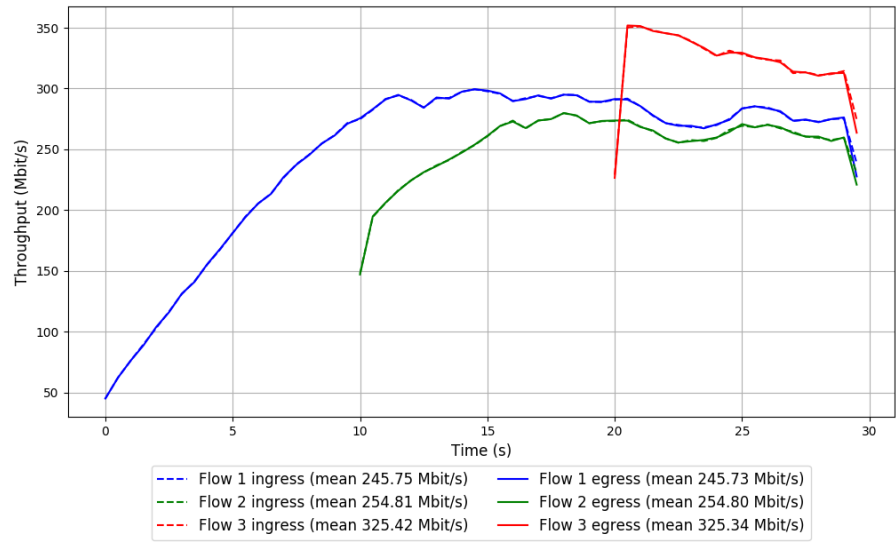


Run 9: Statistics of TCP Vegas

Start at: 2018-01-02 10:15:52
End at: 2018-01-02 10:16:22
Local clock offset: 1.258 ms
Remote clock offset: -1.052 ms

Below is generated by plot.py at 2018-01-02 16:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.57 Mbit/s
95th percentile per-packet one-way delay: 1.718 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 245.73 Mbit/s
95th percentile per-packet one-way delay: 1.670 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 254.80 Mbit/s
95th percentile per-packet one-way delay: 1.700 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 325.34 Mbit/s
95th percentile per-packet one-way delay: 1.801 ms
Loss rate: 0.20%

Run 9: Report of TCP Vegas — Data Link

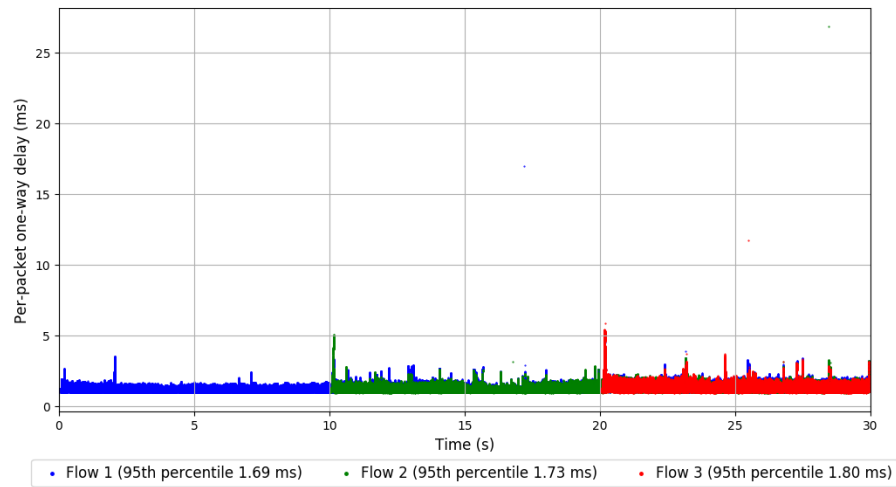
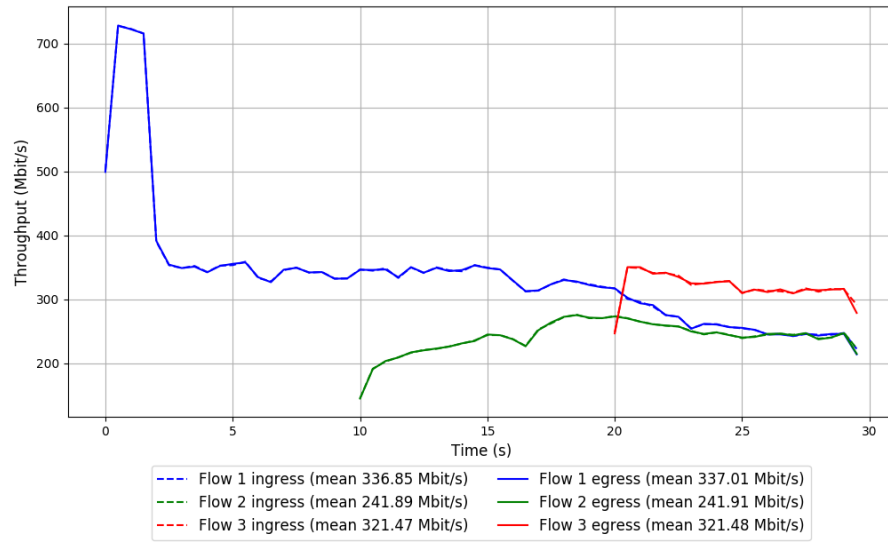


Run 10: Statistics of TCP Vegas

Start at: 2018-01-02 10:38:15
End at: 2018-01-02 10:38:45
Local clock offset: 1.213 ms
Remote clock offset: -1.025 ms

Below is generated by plot.py at 2018-01-02 16:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 604.31 Mbit/s
95th percentile per-packet one-way delay: 1.725 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 337.01 Mbit/s
95th percentile per-packet one-way delay: 1.691 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 241.91 Mbit/s
95th percentile per-packet one-way delay: 1.725 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.48 Mbit/s
95th percentile per-packet one-way delay: 1.799 ms
Loss rate: 0.20%

Run 10: Report of TCP Vegas — Data Link

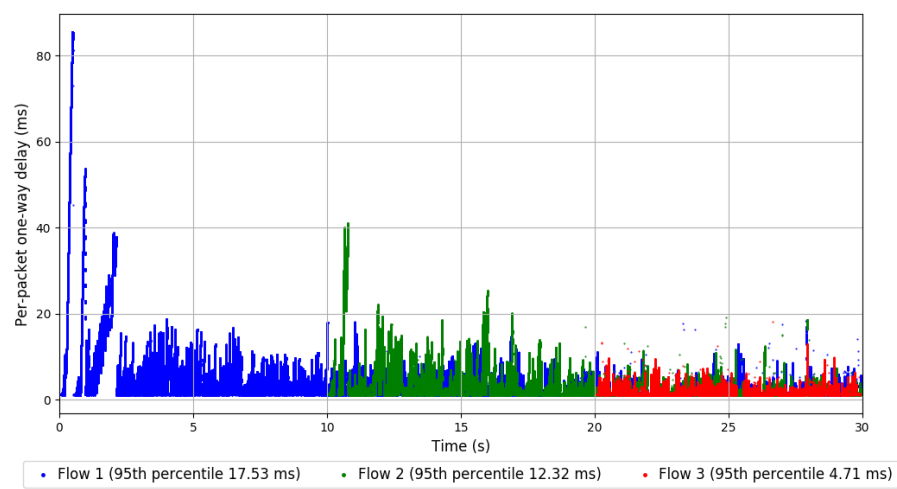
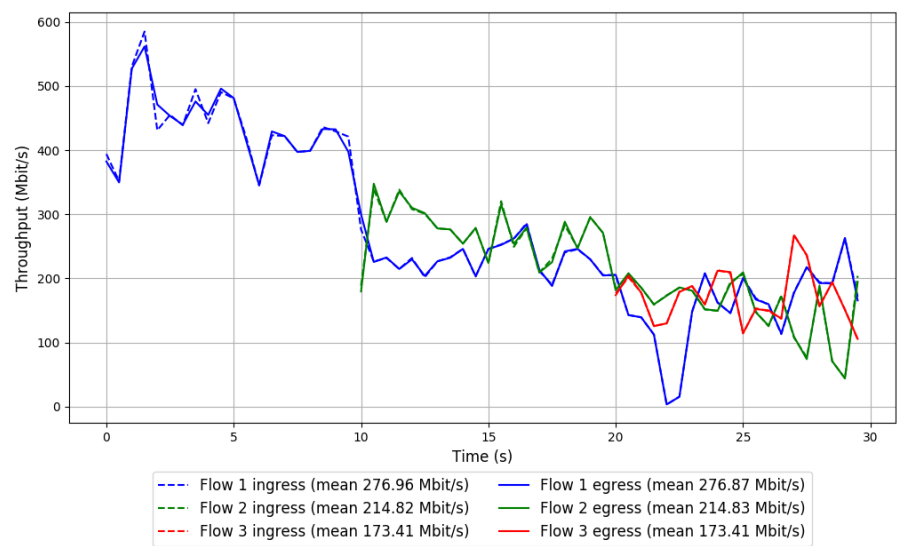


Run 1: Statistics of Verus

Start at: 2018-01-02 07:20:54
End at: 2018-01-02 07:21:24
Local clock offset: 0.324 ms
Remote clock offset: -3.355 ms

Below is generated by plot.py at 2018-01-02 16:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.03 Mbit/s
95th percentile per-packet one-way delay: 14.452 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 276.87 Mbit/s
95th percentile per-packet one-way delay: 17.533 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 214.83 Mbit/s
95th percentile per-packet one-way delay: 12.318 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 173.41 Mbit/s
95th percentile per-packet one-way delay: 4.708 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

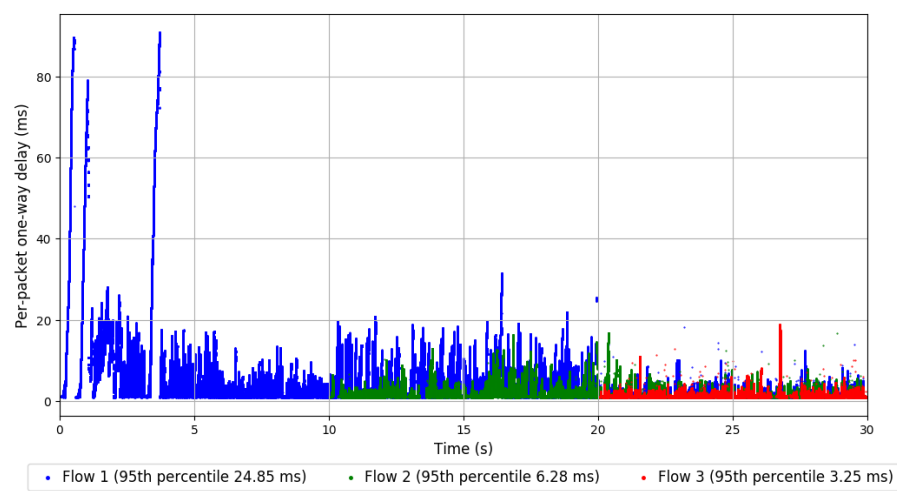
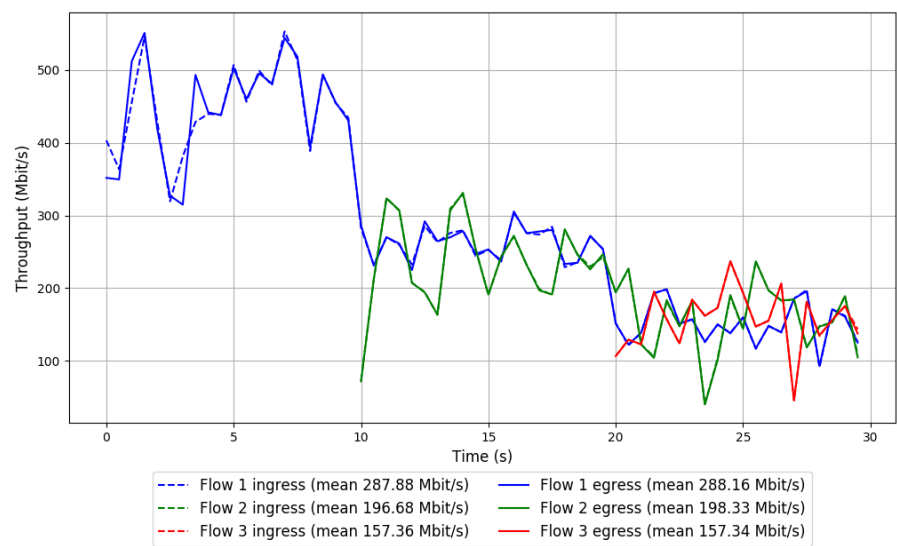


Run 2: Statistics of Verus

Start at: 2018-01-02 07:43:11
End at: 2018-01-02 07:43:41
Local clock offset: 0.475 ms
Remote clock offset: -2.719 ms

Below is generated by plot.py at 2018-01-02 16:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 471.03 Mbit/s
95th percentile per-packet one-way delay: 16.890 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 288.16 Mbit/s
95th percentile per-packet one-way delay: 24.850 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 198.33 Mbit/s
95th percentile per-packet one-way delay: 6.282 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 157.34 Mbit/s
95th percentile per-packet one-way delay: 3.251 ms
Loss rate: 0.18%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-02 08:05:19

End at: 2018-01-02 08:05:49

Local clock offset: 0.78 ms

Remote clock offset: -1.99 ms

Below is generated by plot.py at 2018-01-02 16:16:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 477.46 Mbit/s

95th percentile per-packet one-way delay: 8.010 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 281.17 Mbit/s

95th percentile per-packet one-way delay: 7.547 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 215.99 Mbit/s

95th percentile per-packet one-way delay: 9.944 ms

Loss rate: 0.09%

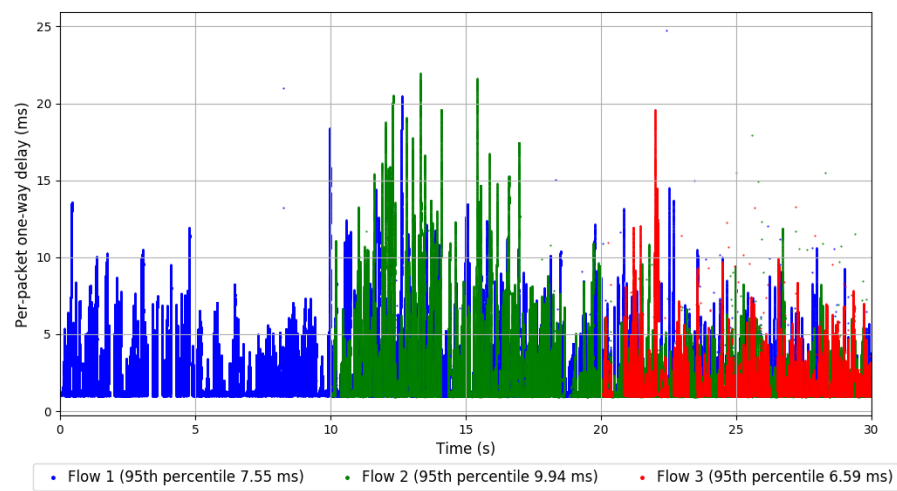
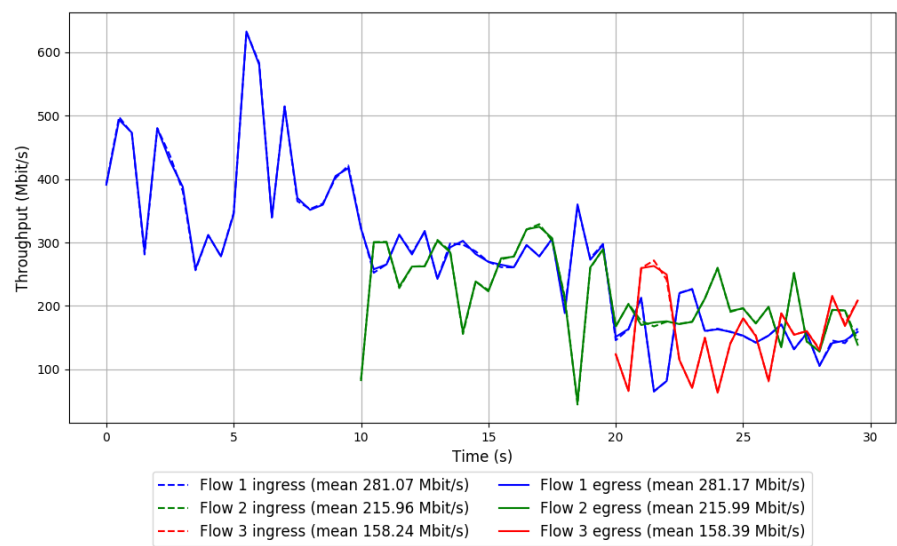
-- Flow 3:

Average throughput: 158.39 Mbit/s

95th percentile per-packet one-way delay: 6.587 ms

Loss rate: 0.12%

Run 3: Report of Verus — Data Link

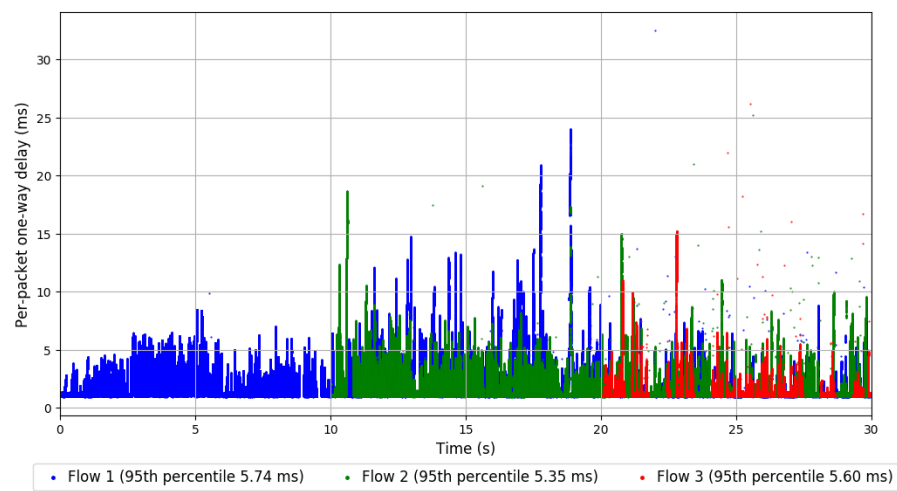
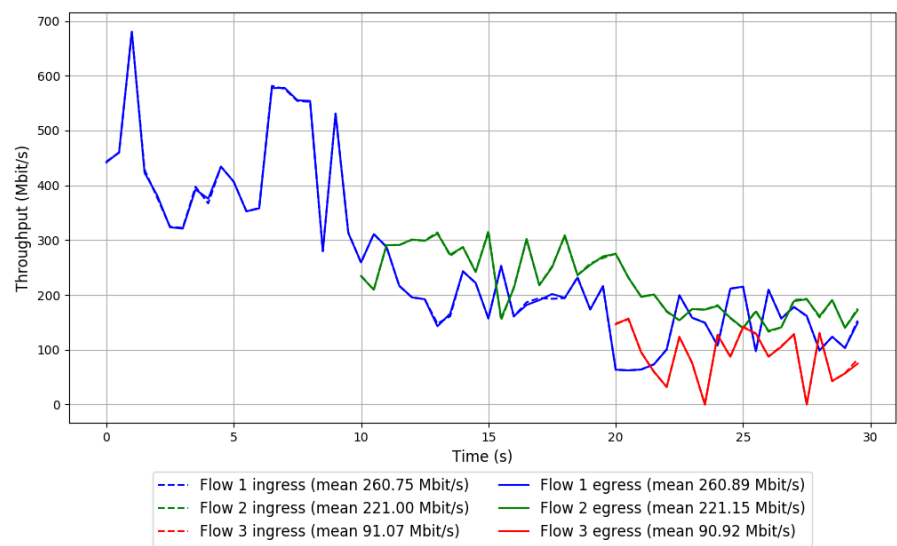


Run 4: Statistics of Verus

Start at: 2018-01-02 08:27:31
End at: 2018-01-02 08:28:01
Local clock offset: 1.07 ms
Remote clock offset: -1.886 ms

Below is generated by plot.py at 2018-01-02 16:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.05 Mbit/s
95th percentile per-packet one-way delay: 5.605 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 260.89 Mbit/s
95th percentile per-packet one-way delay: 5.735 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 221.15 Mbit/s
95th percentile per-packet one-way delay: 5.347 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 5.599 ms
Loss rate: 0.47%

Run 4: Report of Verus — Data Link

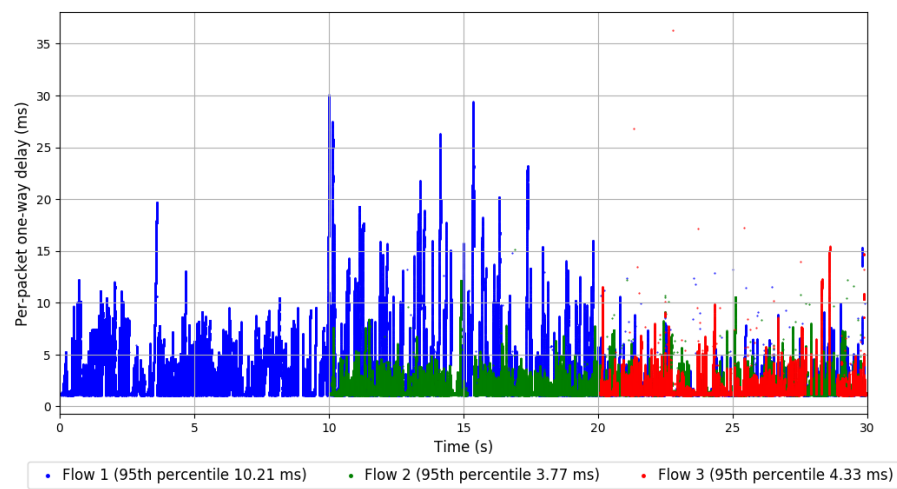
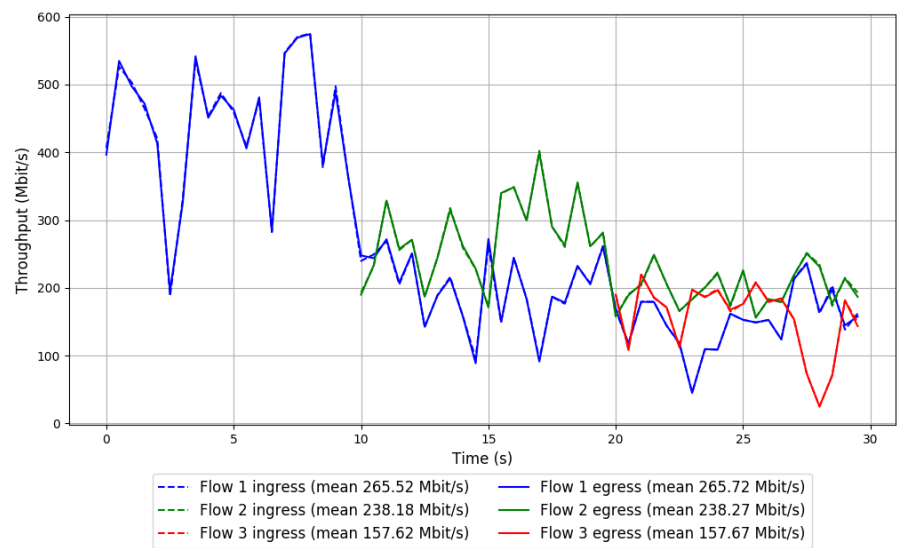


Run 5: Statistics of Verus

Start at: 2018-01-02 08:49:44
End at: 2018-01-02 08:50:14
Local clock offset: 1.26 ms
Remote clock offset: -1.751 ms

Below is generated by plot.py at 2018-01-02 16:19:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 476.52 Mbit/s
95th percentile per-packet one-way delay: 8.203 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 265.72 Mbit/s
95th percentile per-packet one-way delay: 10.213 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 238.27 Mbit/s
95th percentile per-packet one-way delay: 3.768 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 157.67 Mbit/s
95th percentile per-packet one-way delay: 4.326 ms
Loss rate: 0.17%

Run 5: Report of Verus — Data Link

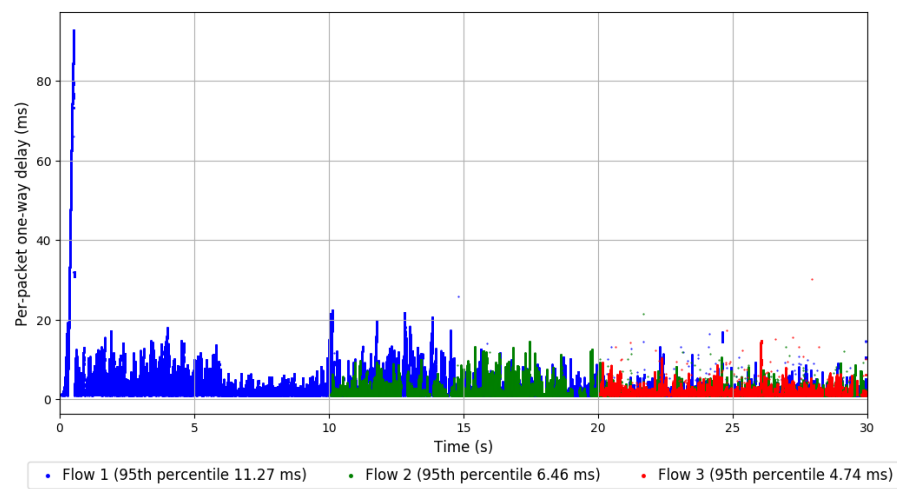
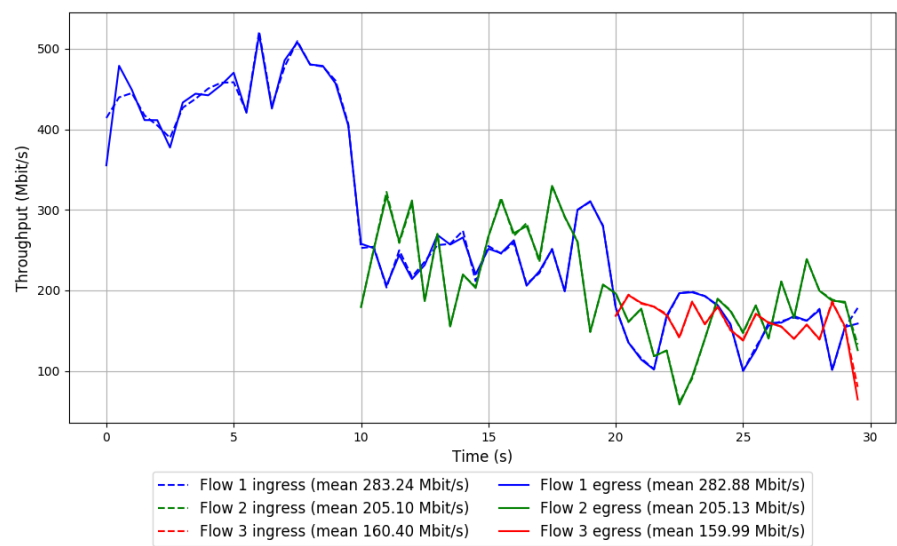


Run 6: Statistics of Verus

Start at: 2018-01-02 09:11:59
End at: 2018-01-02 09:12:29
Local clock offset: 1.495 ms
Remote clock offset: -1.896 ms

Below is generated by plot.py at 2018-01-02 16:19:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.41 Mbit/s
95th percentile per-packet one-way delay: 9.606 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 282.88 Mbit/s
95th percentile per-packet one-way delay: 11.274 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 205.13 Mbit/s
95th percentile per-packet one-way delay: 6.464 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 159.99 Mbit/s
95th percentile per-packet one-way delay: 4.742 ms
Loss rate: 0.49%

Run 6: Report of Verus — Data Link

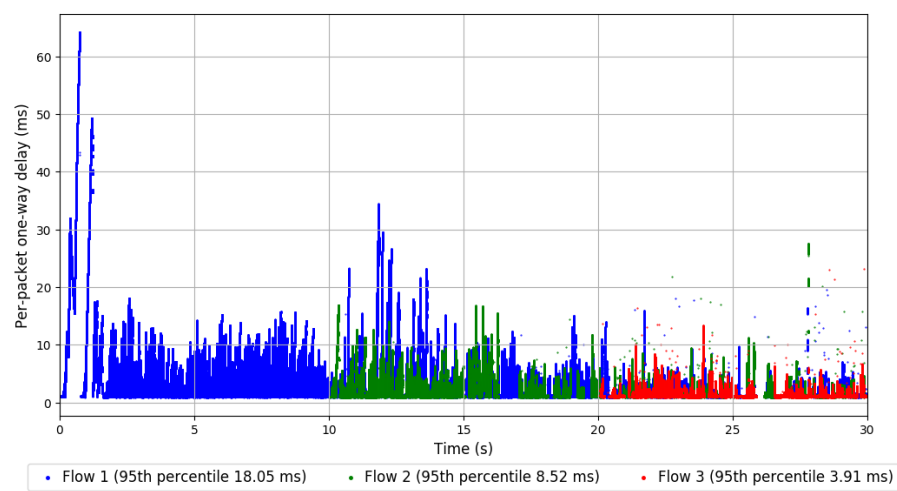
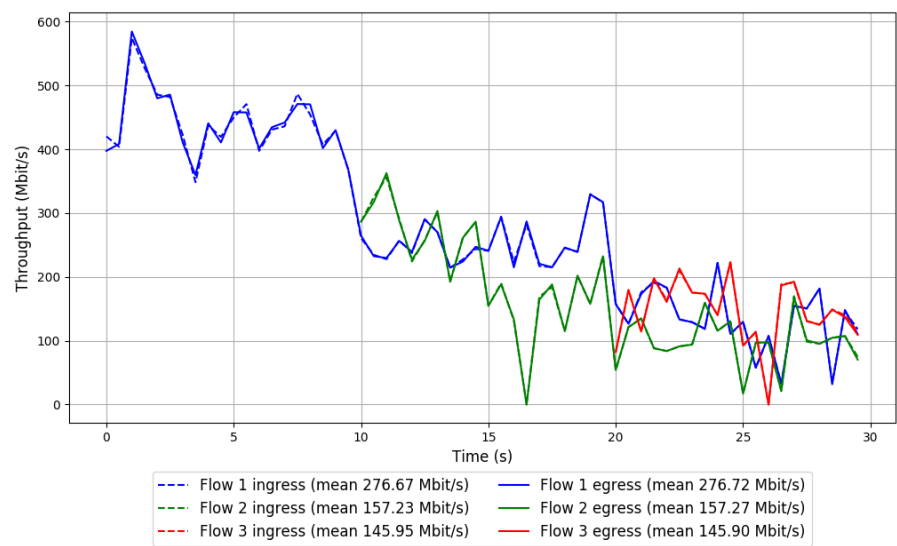


Run 7: Statistics of Verus

Start at: 2018-01-02 09:34:09
End at: 2018-01-02 09:34:39
Local clock offset: 1.492 ms
Remote clock offset: -1.344 ms

Below is generated by plot.py at 2018-01-02 16:19:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.75 Mbit/s
95th percentile per-packet one-way delay: 13.550 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 276.72 Mbit/s
95th percentile per-packet one-way delay: 18.054 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 157.27 Mbit/s
95th percentile per-packet one-way delay: 8.517 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 145.90 Mbit/s
95th percentile per-packet one-way delay: 3.910 ms
Loss rate: 0.29%

Run 7: Report of Verus — Data Link

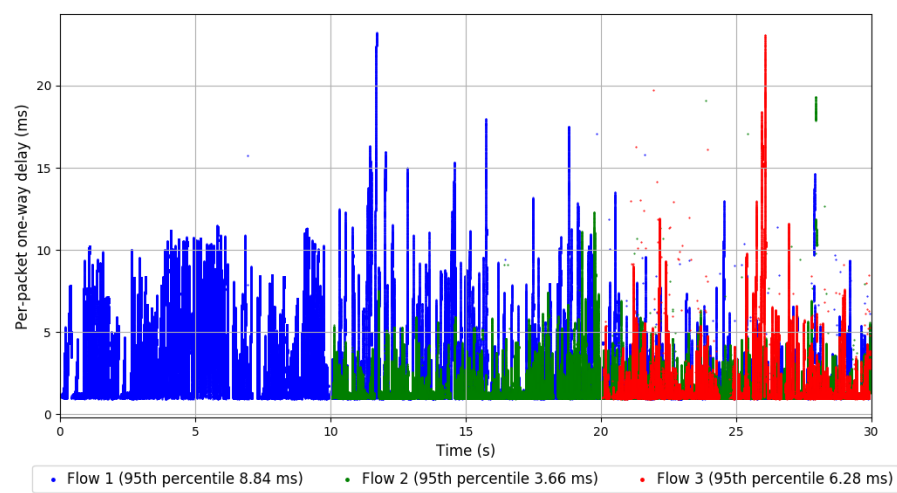
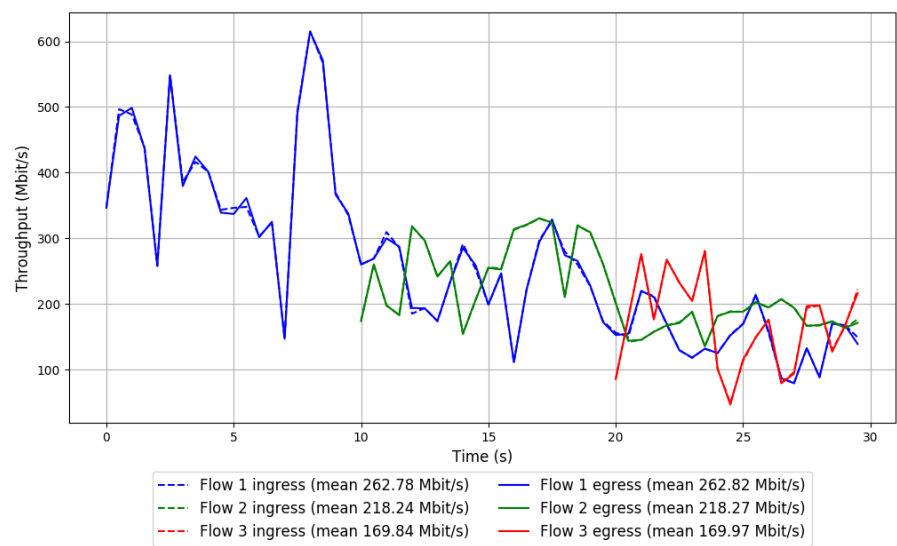


Run 8: Statistics of Verus

Start at: 2018-01-02 09:56:25
End at: 2018-01-02 09:56:55
Local clock offset: 1.371 ms
Remote clock offset: -0.968 ms

Below is generated by plot.py at 2018-01-02 16:20:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 464.34 Mbit/s
95th percentile per-packet one-way delay: 7.930 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 262.82 Mbit/s
95th percentile per-packet one-way delay: 8.844 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 218.27 Mbit/s
95th percentile per-packet one-way delay: 3.656 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 169.97 Mbit/s
95th percentile per-packet one-way delay: 6.284 ms
Loss rate: 0.20%

Run 8: Report of Verus — Data Link

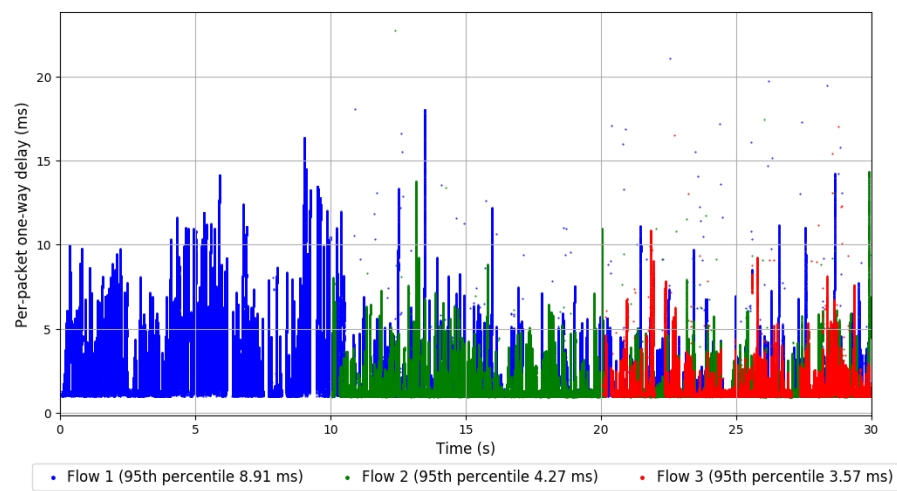
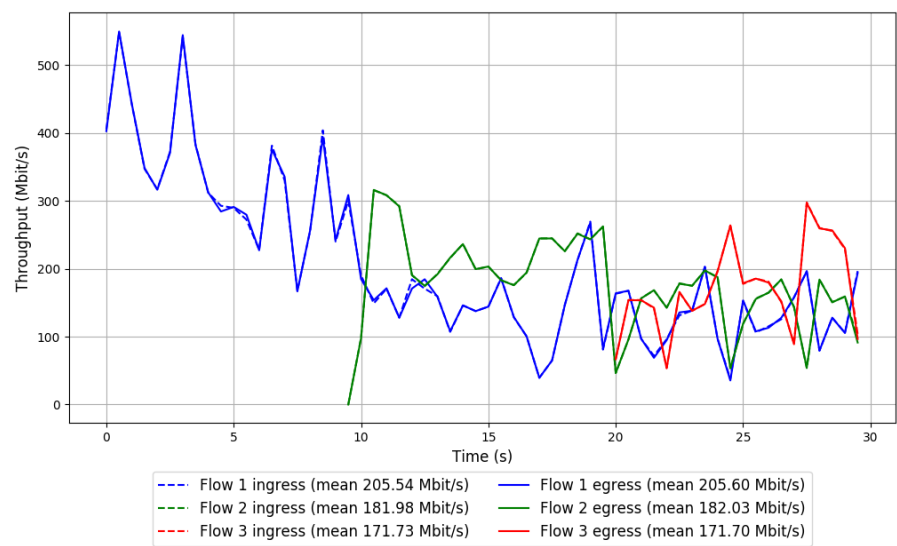


Run 9: Statistics of Verus

Start at: 2018-01-02 10:18:40
End at: 2018-01-02 10:19:10
Local clock offset: 1.161 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-01-02 16:20:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.74 Mbit/s
95th percentile per-packet one-way delay: 7.423 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 205.60 Mbit/s
95th percentile per-packet one-way delay: 8.910 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 182.03 Mbit/s
95th percentile per-packet one-way delay: 4.272 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 171.70 Mbit/s
95th percentile per-packet one-way delay: 3.569 ms
Loss rate: 0.21%

Run 9: Report of Verus — Data Link

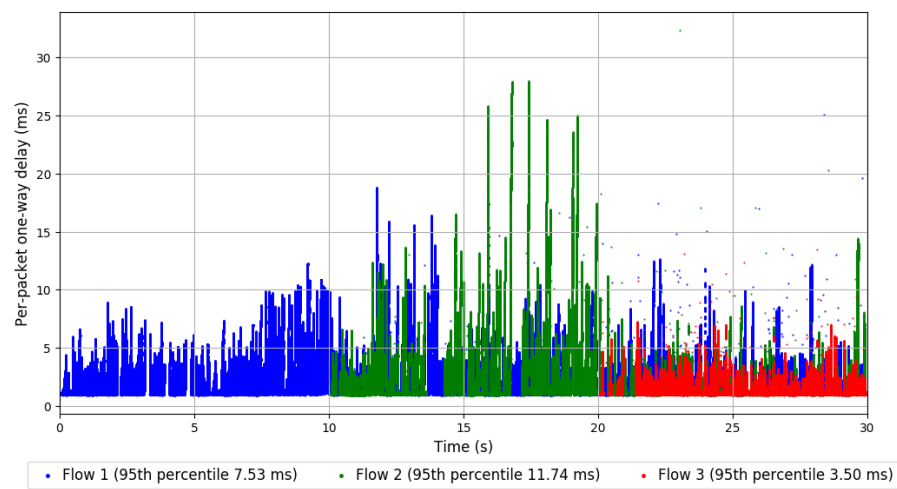
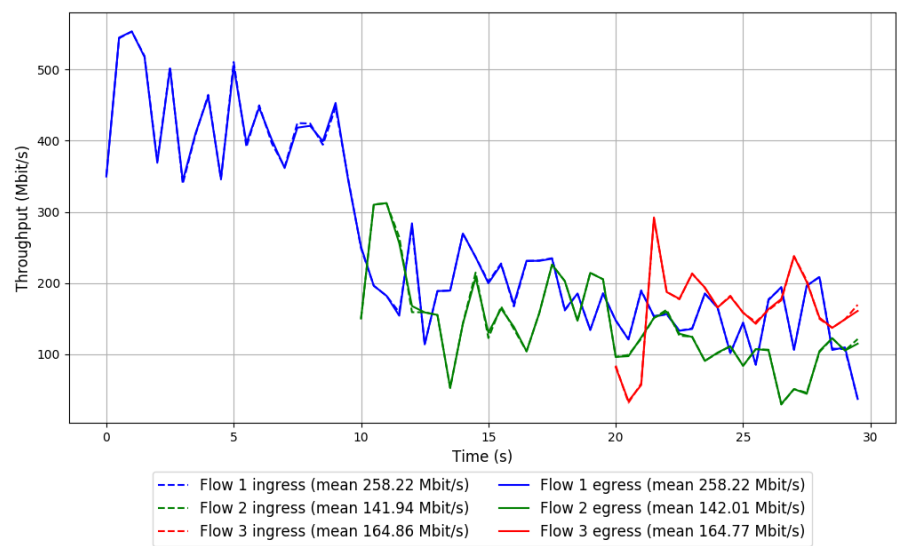


Run 10: Statistics of Verus

Start at: 2018-01-02 10:41:06
End at: 2018-01-02 10:41:36
Local clock offset: 1.131 ms
Remote clock offset: -1.056 ms

Below is generated by plot.py at 2018-01-02 16:20:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.57 Mbit/s
95th percentile per-packet one-way delay: 7.957 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 258.22 Mbit/s
95th percentile per-packet one-way delay: 7.531 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 142.01 Mbit/s
95th percentile per-packet one-way delay: 11.736 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 164.77 Mbit/s
95th percentile per-packet one-way delay: 3.504 ms
Loss rate: 0.28%

Run 10: Report of Verus — Data Link

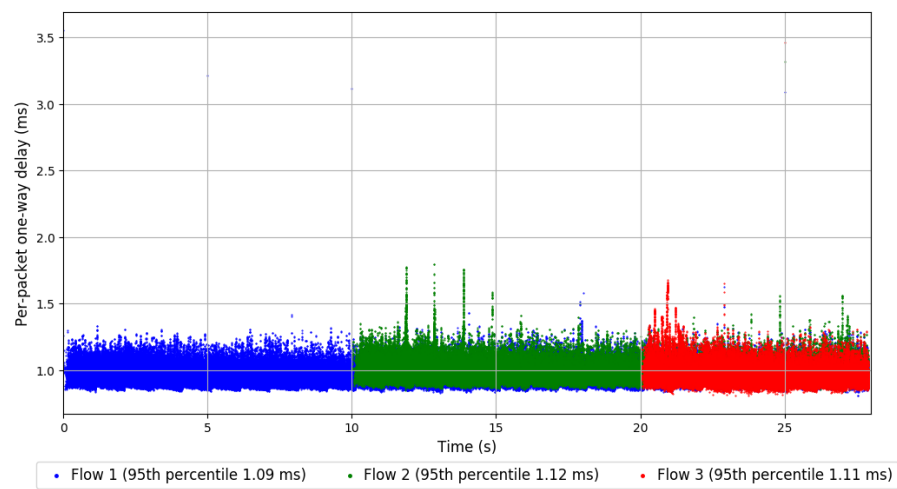
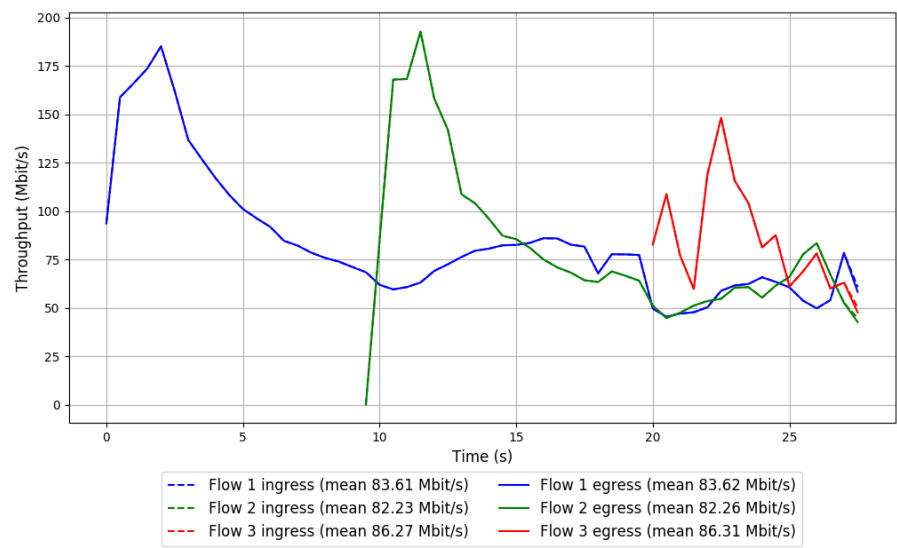


Run 1: Statistics of Copa

Start at: 2018-01-02 07:32:58
End at: 2018-01-02 07:33:28
Local clock offset: 0.347 ms
Remote clock offset: -2.975 ms

Below is generated by plot.py at 2018-01-02 16:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.85 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 86.31 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.21%

Run 1: Report of Copa — Data Link

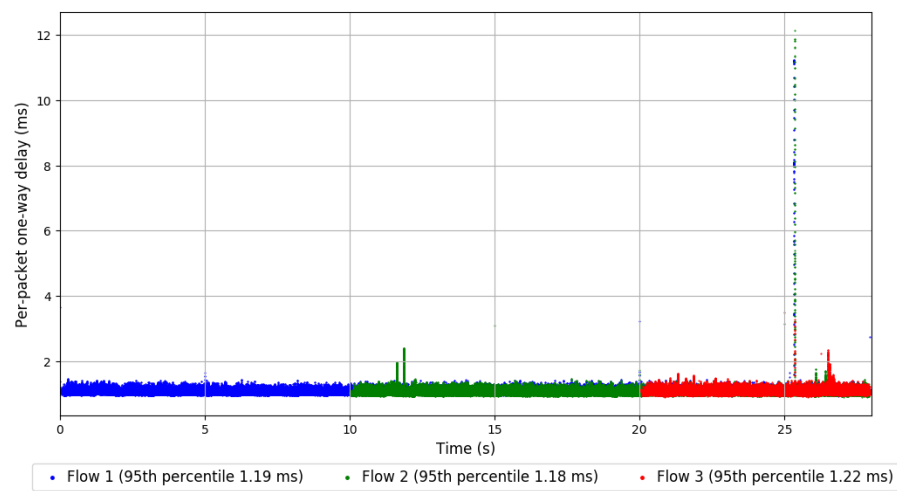
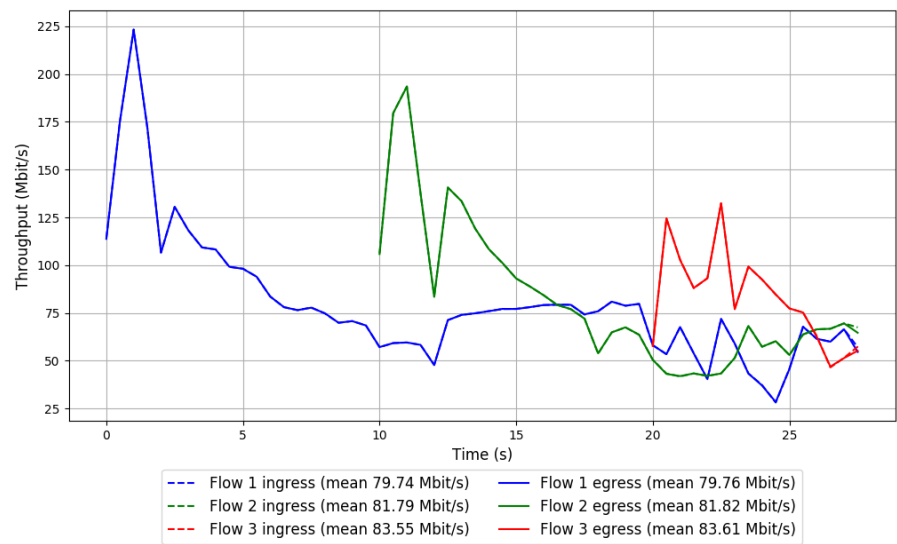


Run 2: Statistics of Copa

Start at: 2018-01-02 07:55:03
End at: 2018-01-02 07:55:33
Local clock offset: 0.694 ms
Remote clock offset: -2.257 ms

Below is generated by plot.py at 2018-01-02 16:20:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.91 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 81.82 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.17%

Run 2: Report of Copa — Data Link

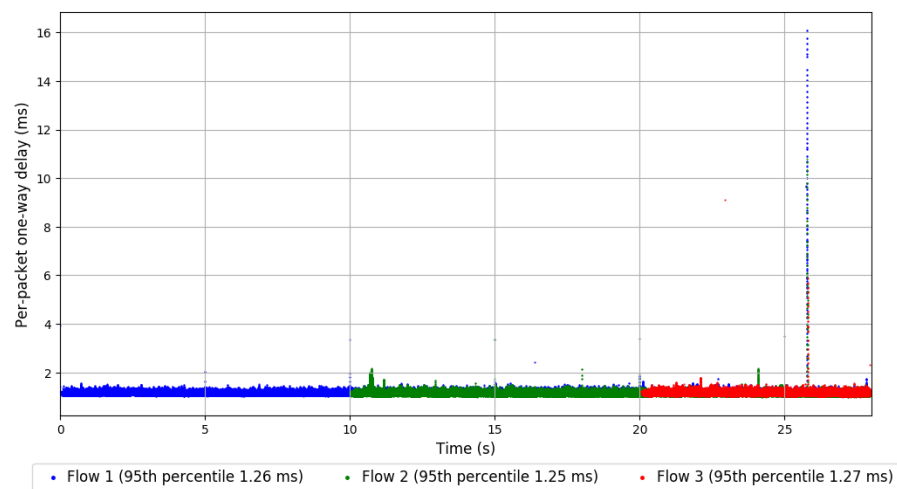
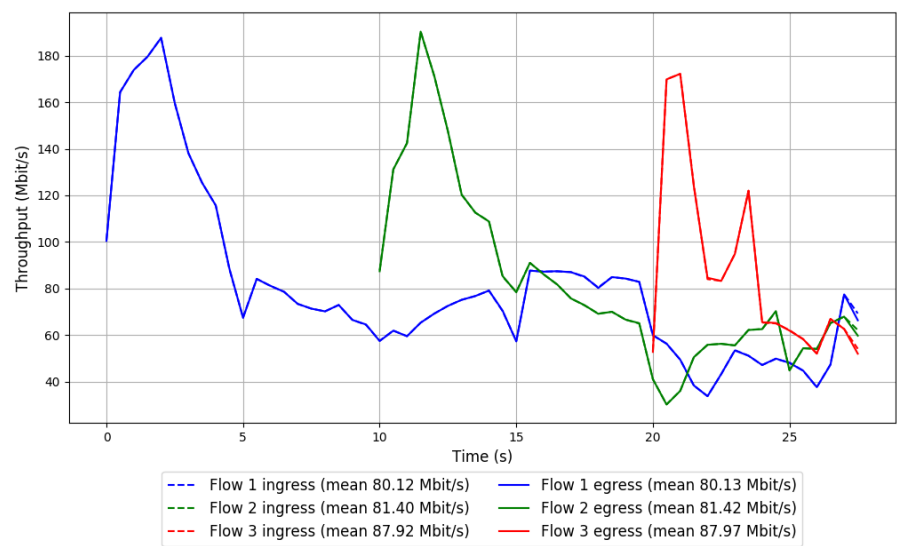


Run 3: Statistics of Copa

Start at: 2018-01-02 08:17:10
End at: 2018-01-02 08:17:40
Local clock offset: 0.969 ms
Remote clock offset: -1.851 ms

Below is generated by plot.py at 2018-01-02 16:23:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.20 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 81.42 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.16%

Run 3: Report of Copa — Data Link

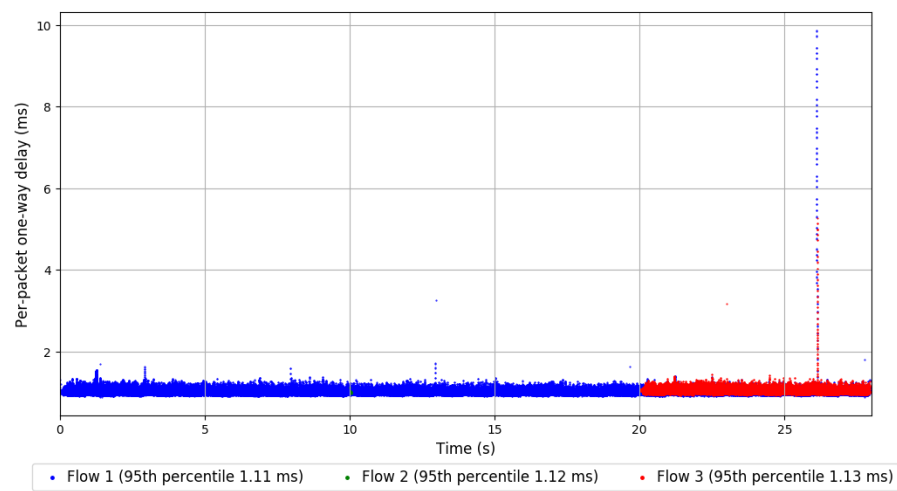
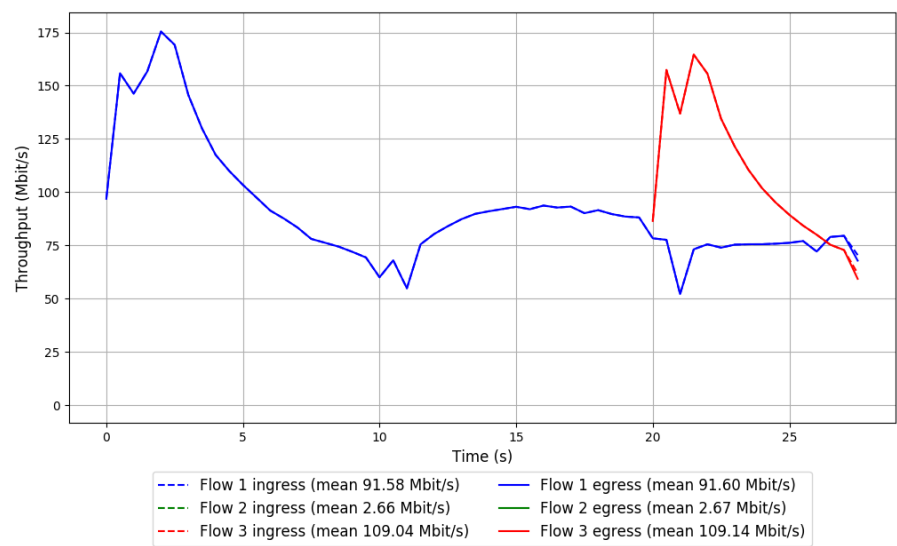


Run 4: Statistics of Copa

Start at: 2018-01-02 08:39:24
End at: 2018-01-02 08:39:54
Local clock offset: 1.044 ms
Remote clock offset: -2.014 ms

Below is generated by plot.py at 2018-01-02 16:23:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.49 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.14 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.15%

Run 4: Report of Copa — Data Link

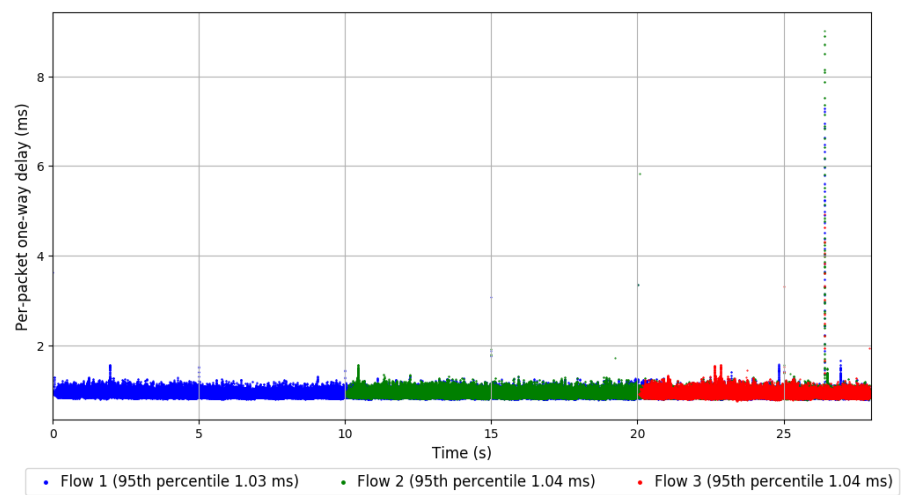
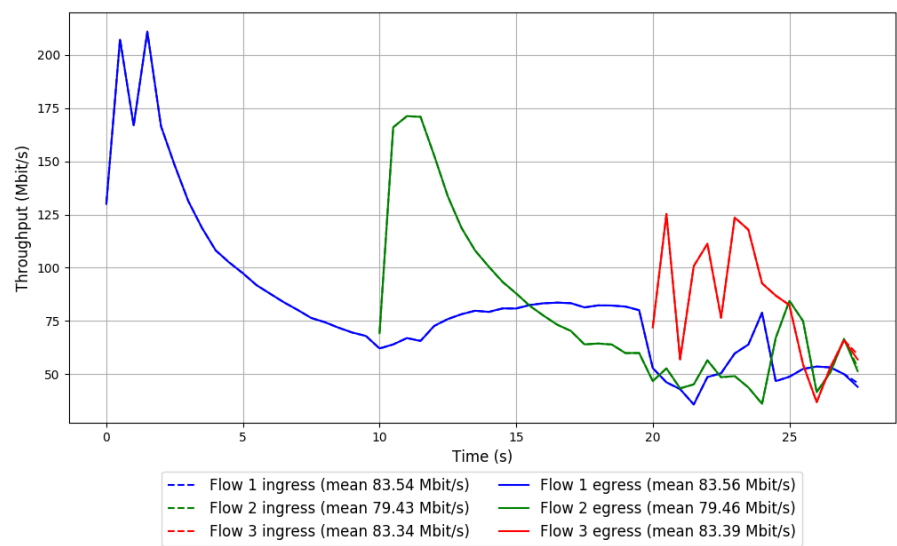


Run 5: Statistics of Copa

Start at: 2018-01-02 09:01:41
End at: 2018-01-02 09:02:11
Local clock offset: 1.336 ms
Remote clock offset: -1.746 ms

Below is generated by plot.py at 2018-01-02 16:23:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.06 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 79.46 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.18%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-01-02 09:23:50

End at: 2018-01-02 09:24:20

Local clock offset: 1.541 ms

Remote clock offset: -1.59 ms

Below is generated by plot.py at 2018-01-02 16:23:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 154.72 Mbit/s

95th percentile per-packet one-way delay: 1.162 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 79.80 Mbit/s

95th percentile per-packet one-way delay: 1.169 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 79.81 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.08%

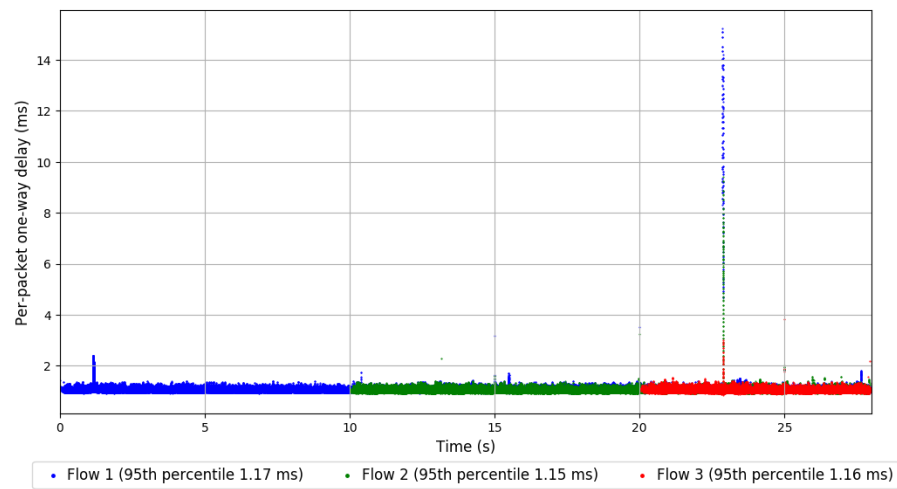
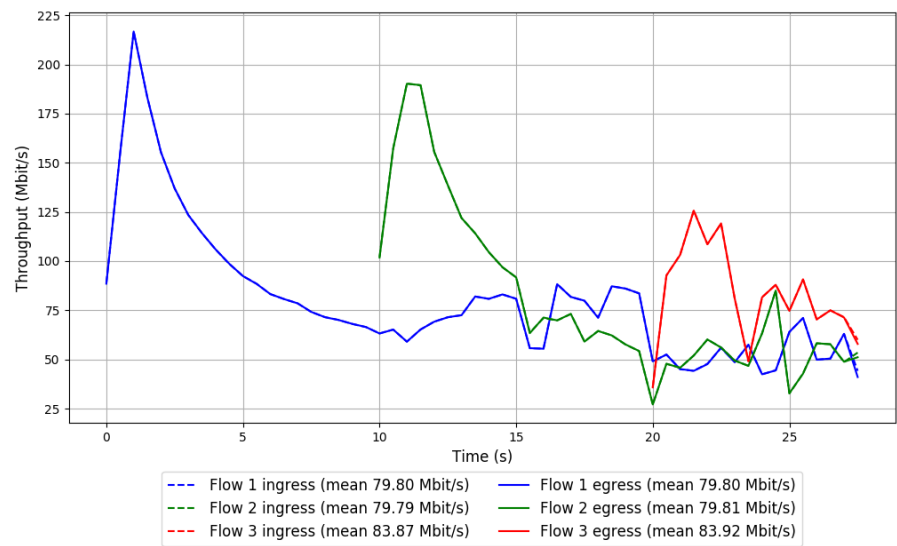
-- Flow 3:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 1.160 ms

Loss rate: 0.19%

Run 6: Report of Copa — Data Link

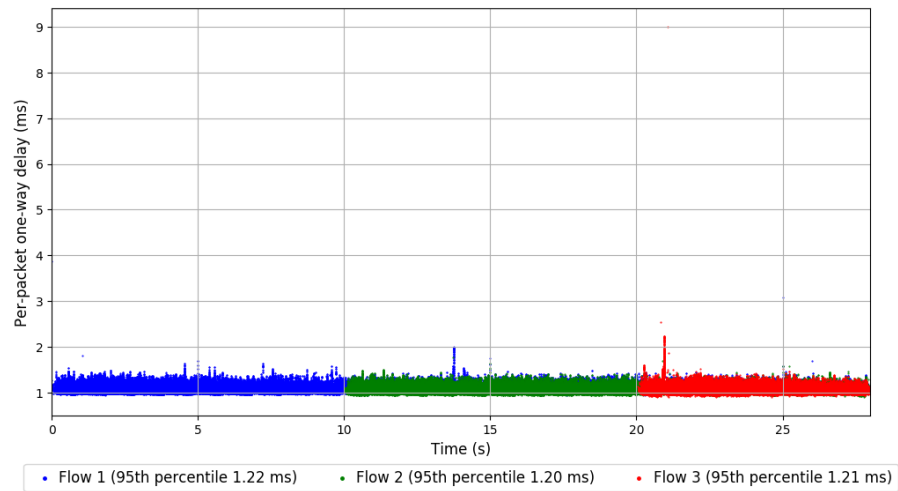
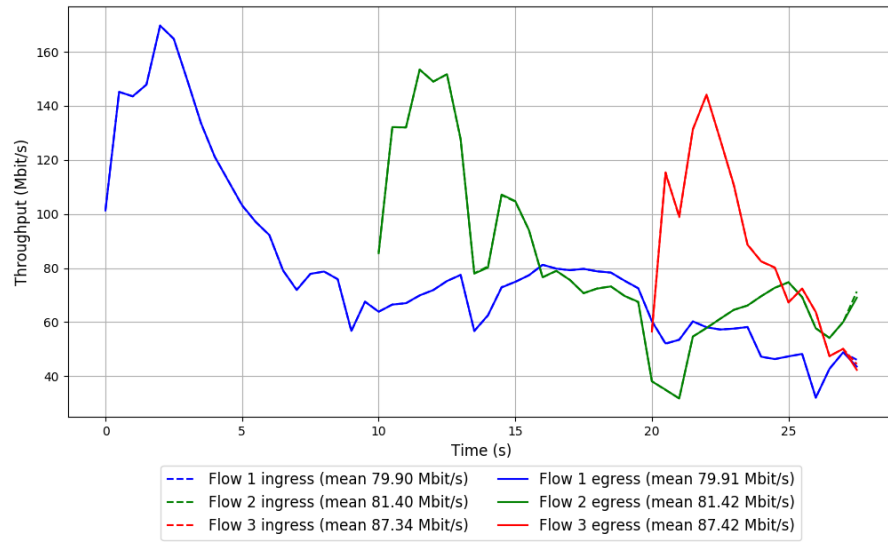


Run 7: Statistics of Copa

Start at: 2018-01-02 09:45:59
End at: 2018-01-02 09:46:29
Local clock offset: 1.42 ms
Remote clock offset: -1.159 ms

Below is generated by plot.py at 2018-01-02 16:24:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.82 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 79.91 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 81.42 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.16%

Run 7: Report of Copa — Data Link

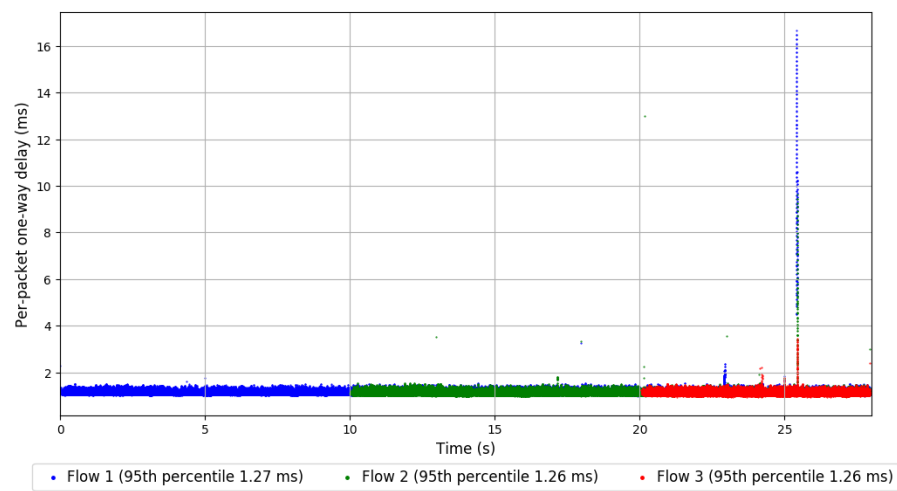
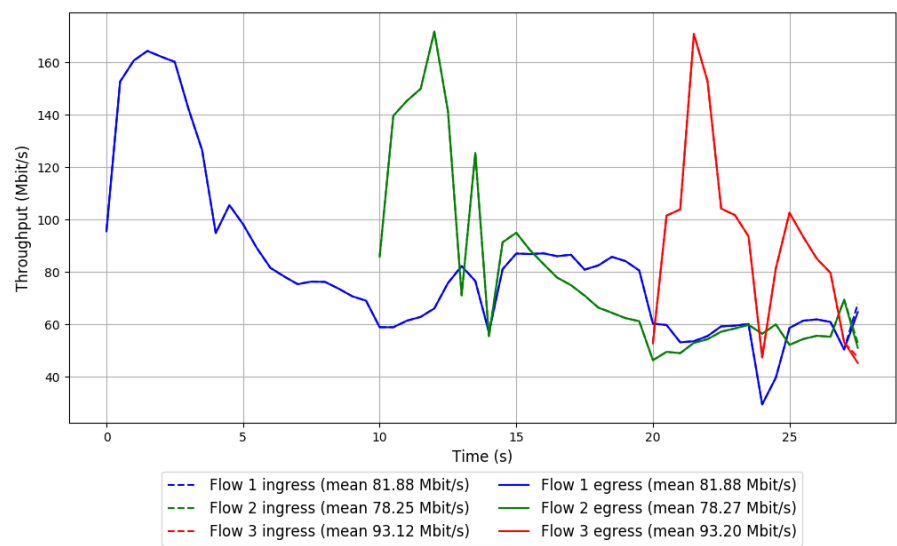


Run 8: Statistics of Copa

Start at: 2018-01-02 10:08:26
End at: 2018-01-02 10:08:56
Local clock offset: 1.362 ms
Remote clock offset: -0.991 ms

Below is generated by plot.py at 2018-01-02 16:24:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.43 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 81.88 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.15%

Run 8: Report of Copa — Data Link

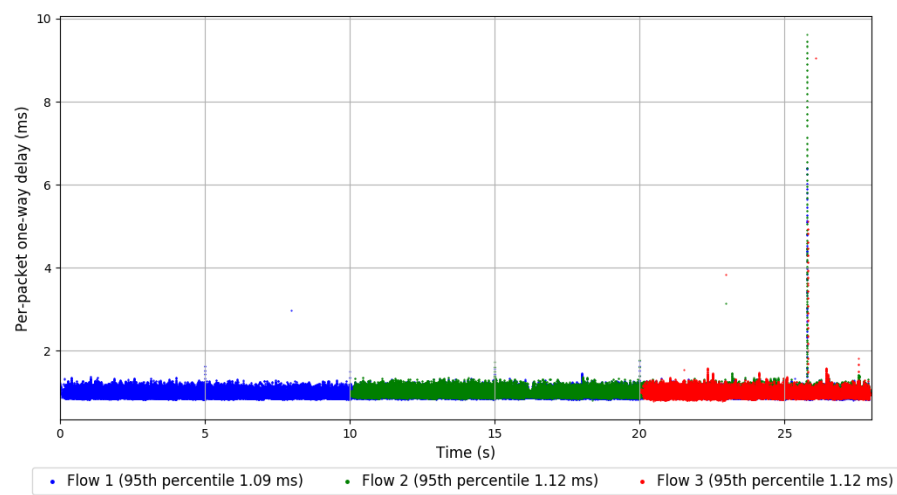
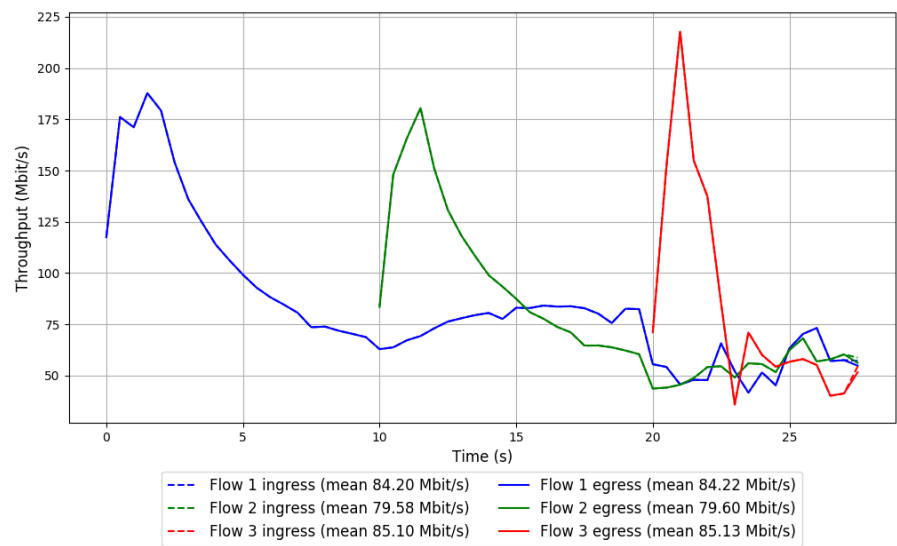


Run 9: Statistics of Copa

Start at: 2018-01-02 10:30:45
End at: 2018-01-02 10:31:15
Local clock offset: 1.064 ms
Remote clock offset: -1.113 ms

Below is generated by plot.py at 2018-01-02 16:24:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.29 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 85.13 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.21%

Run 9: Report of Copa — Data Link

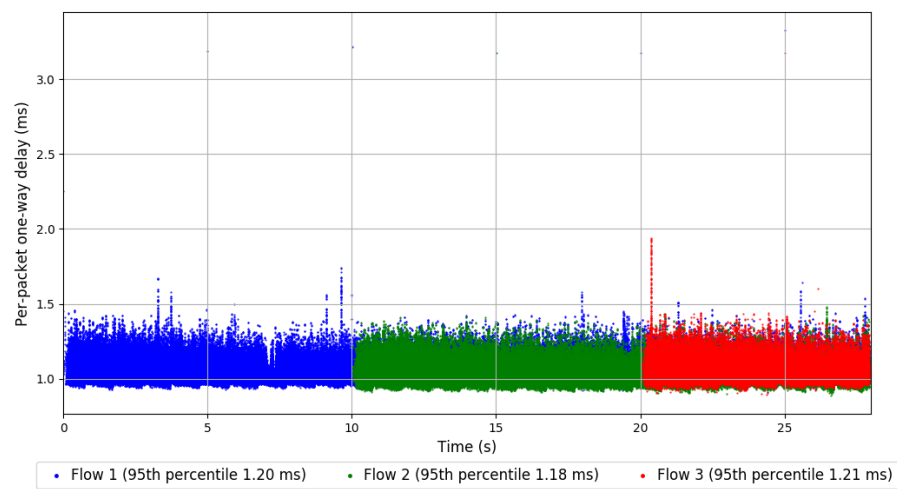
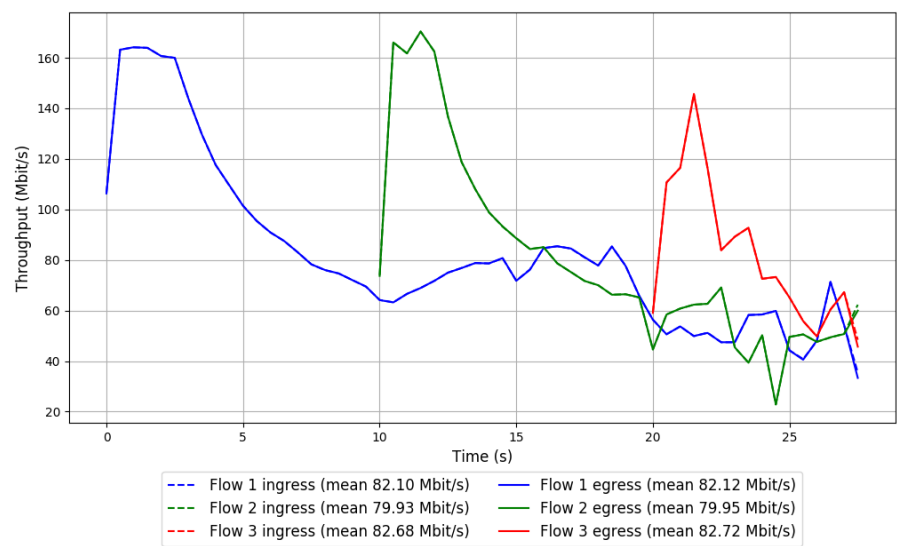


Run 10: Statistics of Copa

Start at: 2018-01-02 10:52:54
End at: 2018-01-02 10:53:24
Local clock offset: 1.185 ms
Remote clock offset: -0.953 ms

Below is generated by plot.py at 2018-01-02 16:24:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.76 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 79.95 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 82.72 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.21%

Run 10: Report of Copa — Data Link

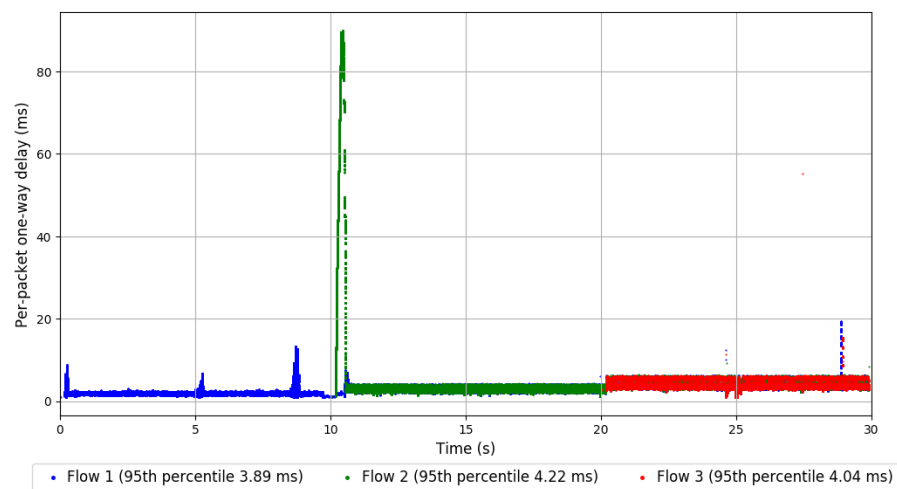
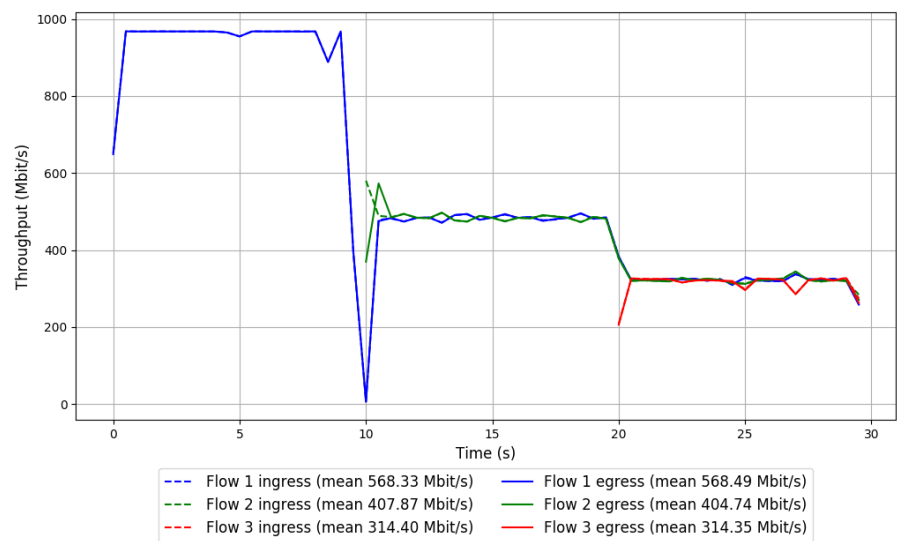


Run 1: Statistics of FillP

Start at: 2018-01-02 07:27:10
End at: 2018-01-02 07:27:40
Local clock offset: 0.352 ms
Remote clock offset: -3.166 ms

Below is generated by plot.py at 2018-01-02 16:36:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 941.41 Mbit/s
95th percentile per-packet one-way delay: 4.007 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 568.49 Mbit/s
95th percentile per-packet one-way delay: 3.891 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 404.74 Mbit/s
95th percentile per-packet one-way delay: 4.218 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 314.35 Mbit/s
95th percentile per-packet one-way delay: 4.041 ms
Loss rate: 0.24%

Run 1: Report of FillP — Data Link

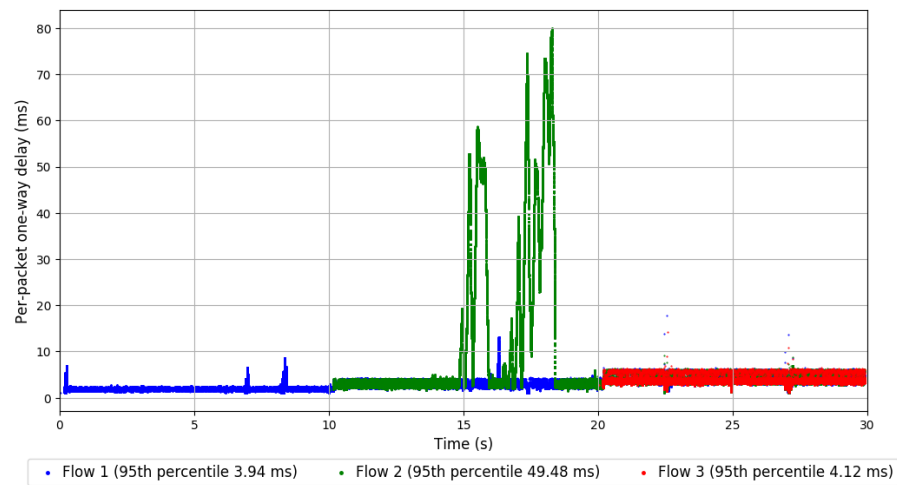
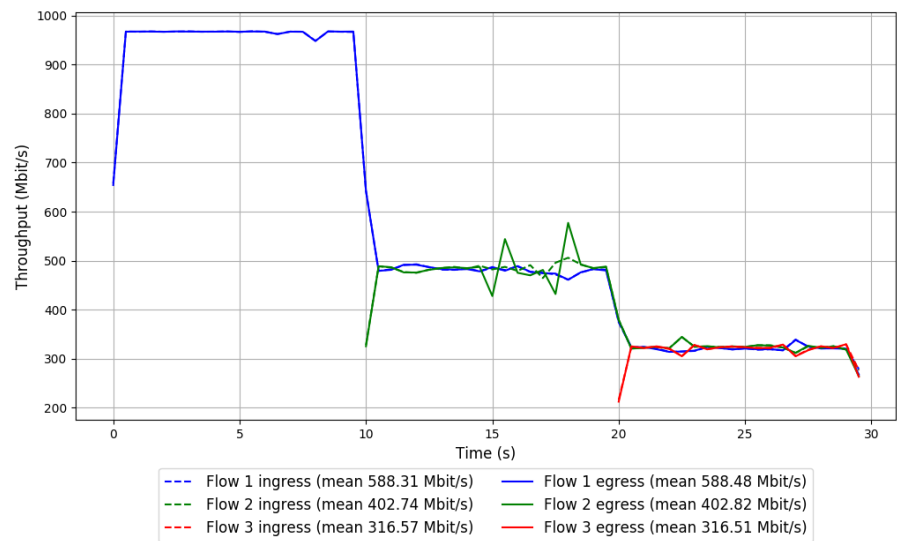


Run 2: Statistics of FillP

Start at: 2018-01-02 07:49:15
End at: 2018-01-02 07:49:45
Local clock offset: 0.635 ms
Remote clock offset: -2.551 ms

Below is generated by plot.py at 2018-01-02 16:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.87 Mbit/s
95th percentile per-packet one-way delay: 5.259 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 588.48 Mbit/s
95th percentile per-packet one-way delay: 3.941 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 402.82 Mbit/s
95th percentile per-packet one-way delay: 49.479 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.51 Mbit/s
95th percentile per-packet one-way delay: 4.116 ms
Loss rate: 0.25%

Run 2: Report of FillP — Data Link

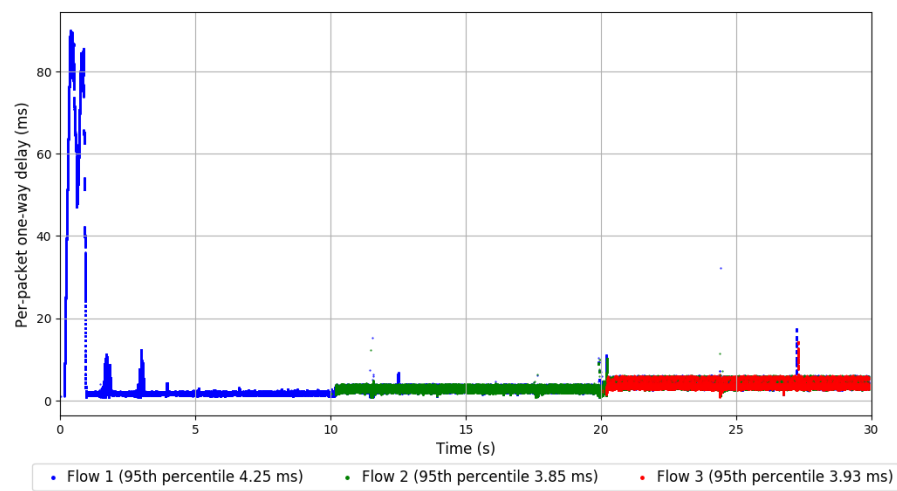
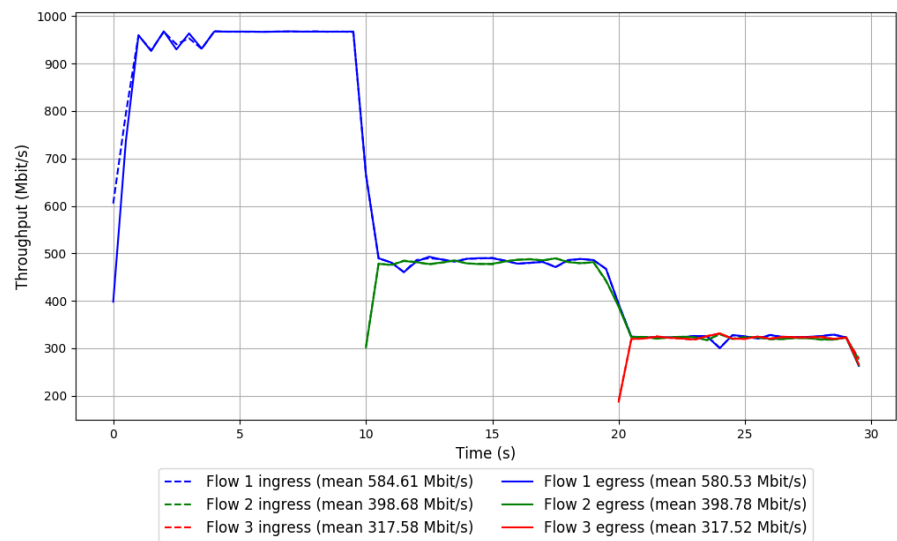


Run 3: Statistics of FillP

Start at: 2018-01-02 08:11:20
End at: 2018-01-02 08:11:50
Local clock offset: 0.816 ms
Remote clock offset: -1.804 ms

Below is generated by plot.py at 2018-01-02 16:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 950.20 Mbit/s
95th percentile per-packet one-way delay: 3.984 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 580.53 Mbit/s
95th percentile per-packet one-way delay: 4.255 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 398.78 Mbit/s
95th percentile per-packet one-way delay: 3.853 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.52 Mbit/s
95th percentile per-packet one-way delay: 3.934 ms
Loss rate: 0.24%

Run 3: Report of FillP — Data Link

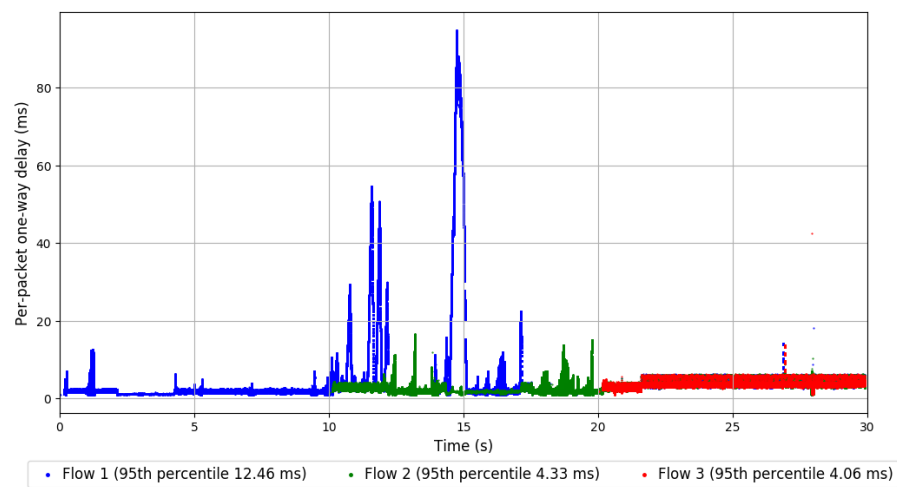
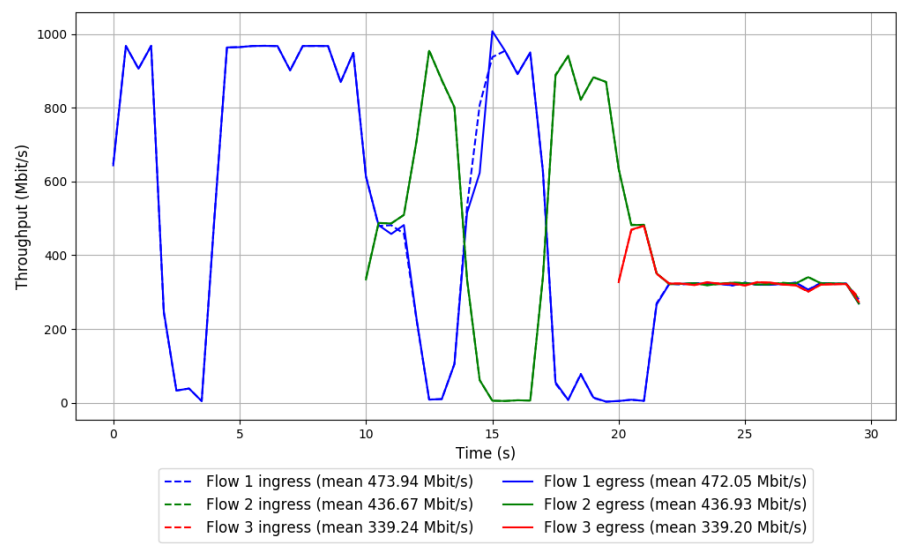


Run 4: Statistics of FillP

Start at: 2018-01-02 08:33:34
End at: 2018-01-02 08:34:04
Local clock offset: 1.122 ms
Remote clock offset: -1.942 ms

Below is generated by plot.py at 2018-01-02 16:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 874.96 Mbit/s
95th percentile per-packet one-way delay: 6.018 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 472.05 Mbit/s
95th percentile per-packet one-way delay: 12.461 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 436.93 Mbit/s
95th percentile per-packet one-way delay: 4.330 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 339.20 Mbit/s
95th percentile per-packet one-way delay: 4.063 ms
Loss rate: 0.22%

Run 4: Report of FillP — Data Link

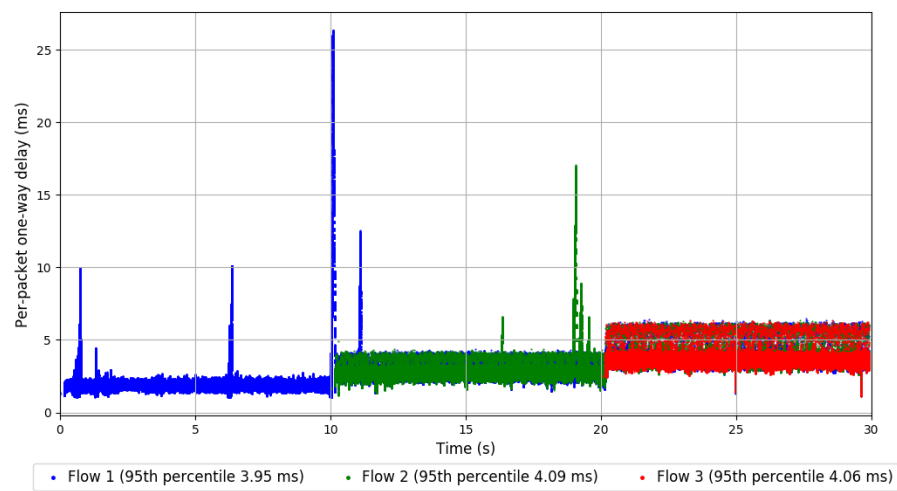
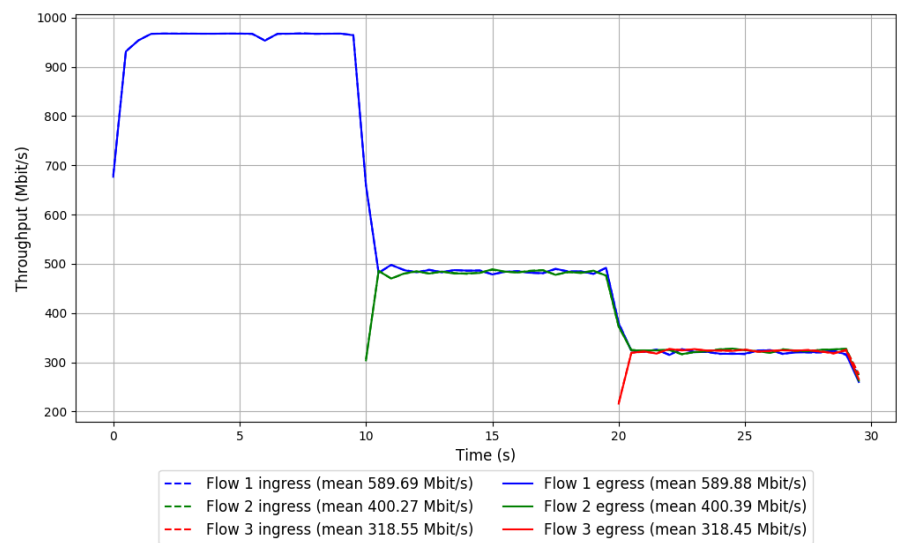


Run 5: Statistics of FillP

Start at: 2018-01-02 08:55:47
End at: 2018-01-02 08:56:17
Local clock offset: 1.342 ms
Remote clock offset: -1.763 ms

Below is generated by plot.py at 2018-01-02 16:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 961.32 Mbit/s
95th percentile per-packet one-way delay: 4.021 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 589.88 Mbit/s
95th percentile per-packet one-way delay: 3.949 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.39 Mbit/s
95th percentile per-packet one-way delay: 4.093 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 318.45 Mbit/s
95th percentile per-packet one-way delay: 4.064 ms
Loss rate: 0.23%

Run 5: Report of FillP — Data Link

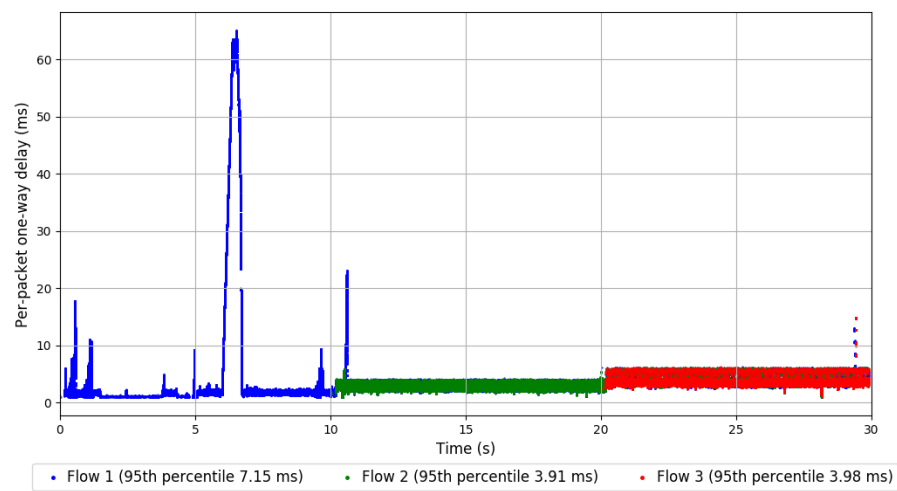
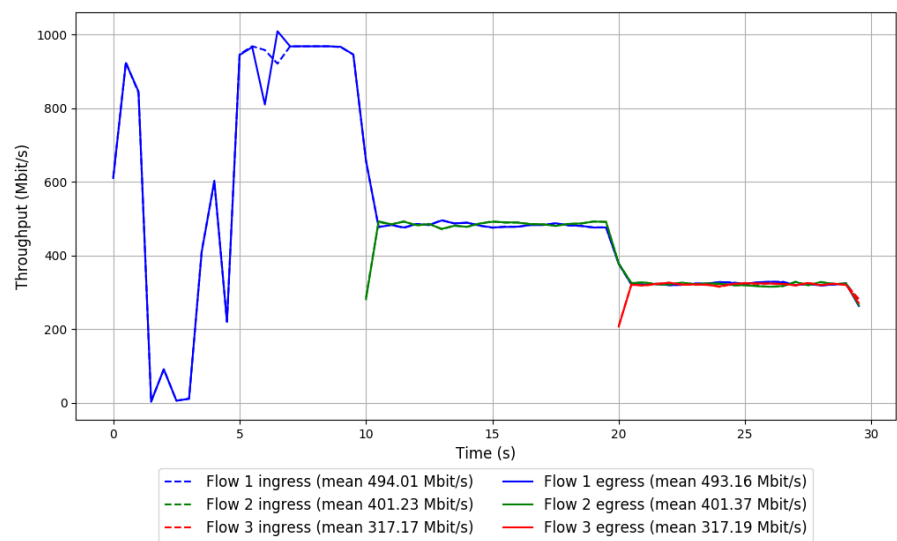


Run 6: Statistics of FillP

Start at: 2018-01-02 09:18:00
End at: 2018-01-02 09:18:30
Local clock offset: 1.511 ms
Remote clock offset: -1.724 ms

Below is generated by plot.py at 2018-01-02 16:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 864.61 Mbit/s
95th percentile per-packet one-way delay: 4.093 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 493.16 Mbit/s
95th percentile per-packet one-way delay: 7.147 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 401.37 Mbit/s
95th percentile per-packet one-way delay: 3.912 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.19 Mbit/s
95th percentile per-packet one-way delay: 3.983 ms
Loss rate: 0.21%

Run 6: Report of FillP — Data Link

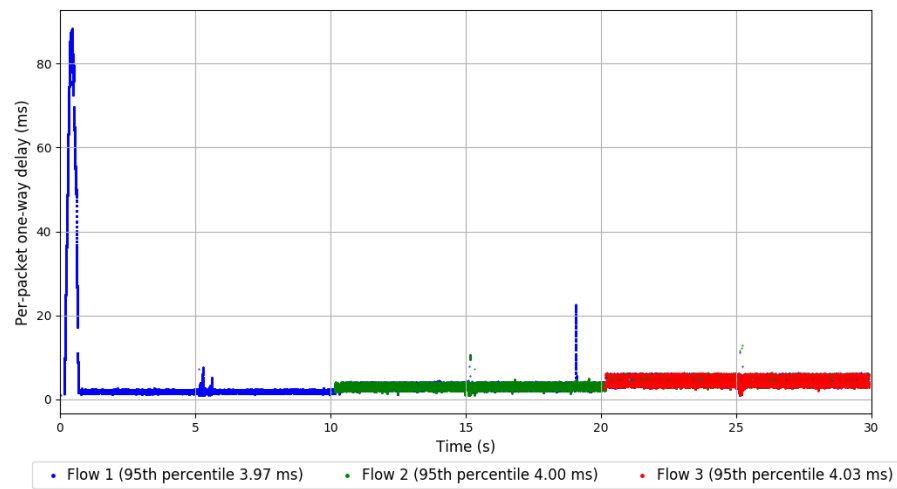
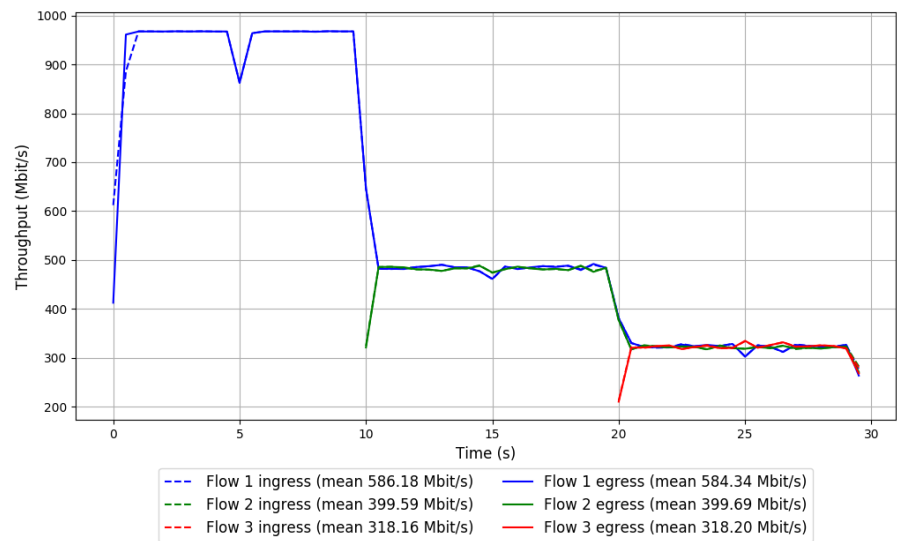


Run 7: Statistics of FillP

Start at: 2018-01-02 09:40:12
End at: 2018-01-02 09:40:42
Local clock offset: 1.459 ms
Remote clock offset: -1.246 ms

Below is generated by plot.py at 2018-01-02 16:39:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 955.43 Mbit/s
95th percentile per-packet one-way delay: 3.998 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 584.34 Mbit/s
95th percentile per-packet one-way delay: 3.974 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 399.69 Mbit/s
95th percentile per-packet one-way delay: 3.998 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 318.20 Mbit/s
95th percentile per-packet one-way delay: 4.031 ms
Loss rate: 0.23%

Run 7: Report of FillP — Data Link

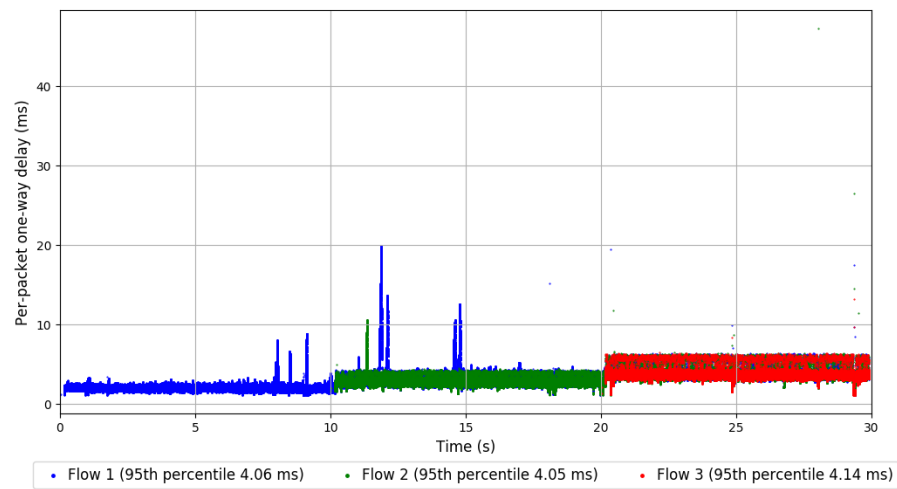
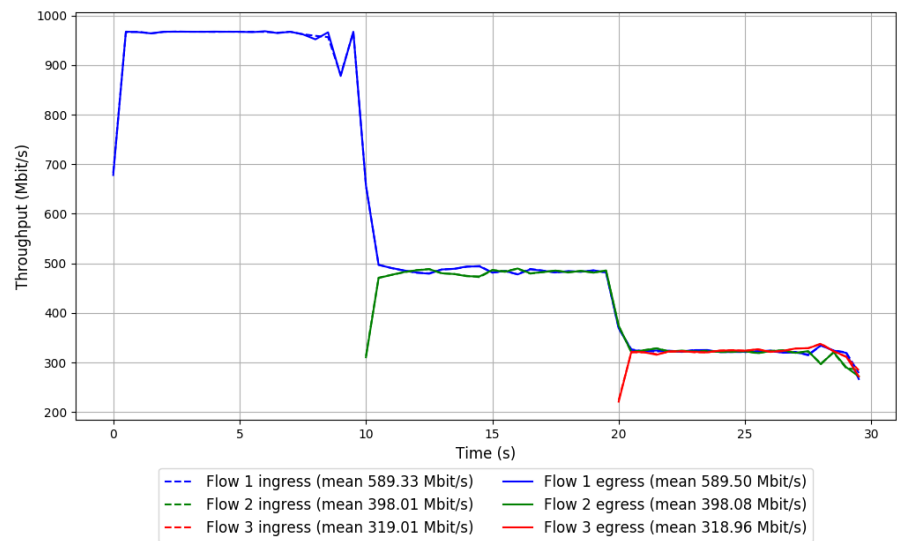


Run 8: Statistics of FillP

Start at: 2018-01-02 10:02:38
End at: 2018-01-02 10:03:08
Local clock offset: 1.436 ms
Remote clock offset: -0.929 ms

Below is generated by plot.py at 2018-01-02 16:39:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.79 Mbit/s
95th percentile per-packet one-way delay: 4.076 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.50 Mbit/s
95th percentile per-packet one-way delay: 4.060 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 398.08 Mbit/s
95th percentile per-packet one-way delay: 4.052 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 318.96 Mbit/s
95th percentile per-packet one-way delay: 4.140 ms
Loss rate: 0.23%

Run 8: Report of FillP — Data Link

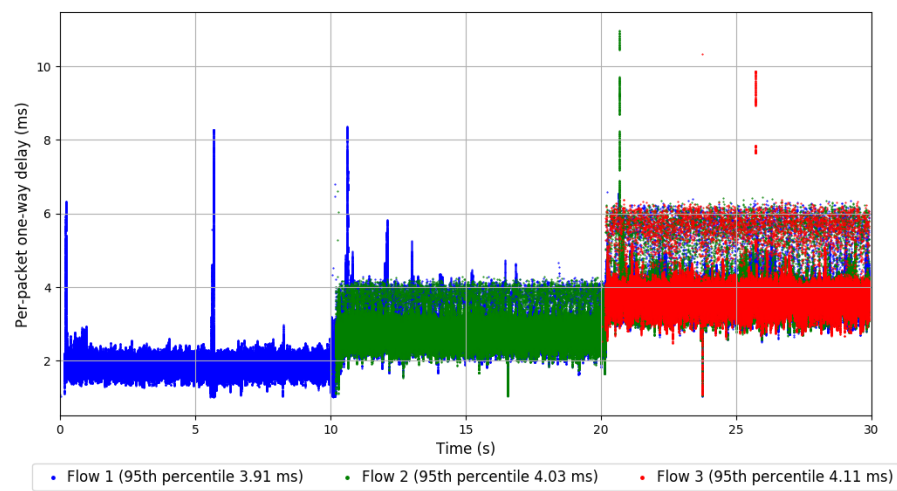
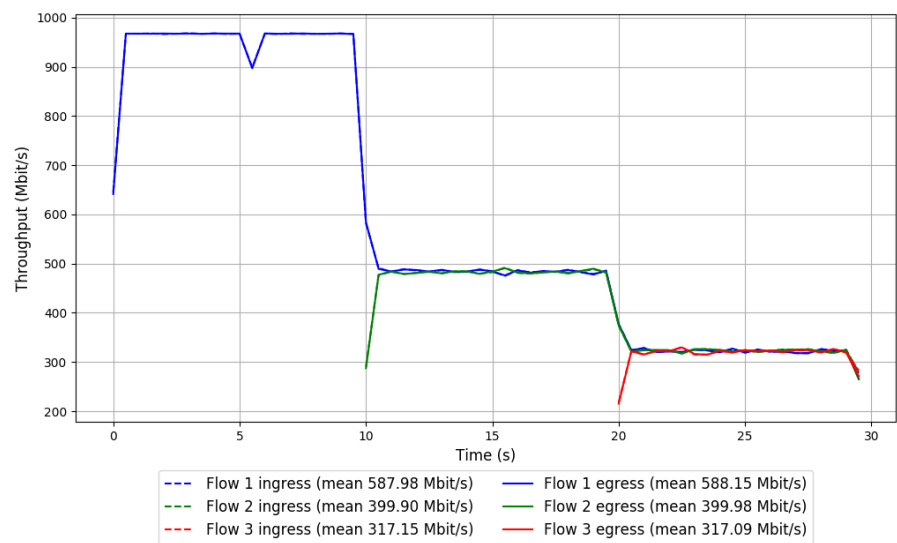


Run 9: Statistics of FillP

Start at: 2018-01-02 10:24:51
End at: 2018-01-02 10:25:21
Local clock offset: 1.138 ms
Remote clock offset: -1.253 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.03 Mbit/s
95th percentile per-packet one-way delay: 3.997 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 588.15 Mbit/s
95th percentile per-packet one-way delay: 3.906 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.98 Mbit/s
95th percentile per-packet one-way delay: 4.028 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 317.09 Mbit/s
95th percentile per-packet one-way delay: 4.107 ms
Loss rate: 0.23%

Run 9: Report of FillP — Data Link

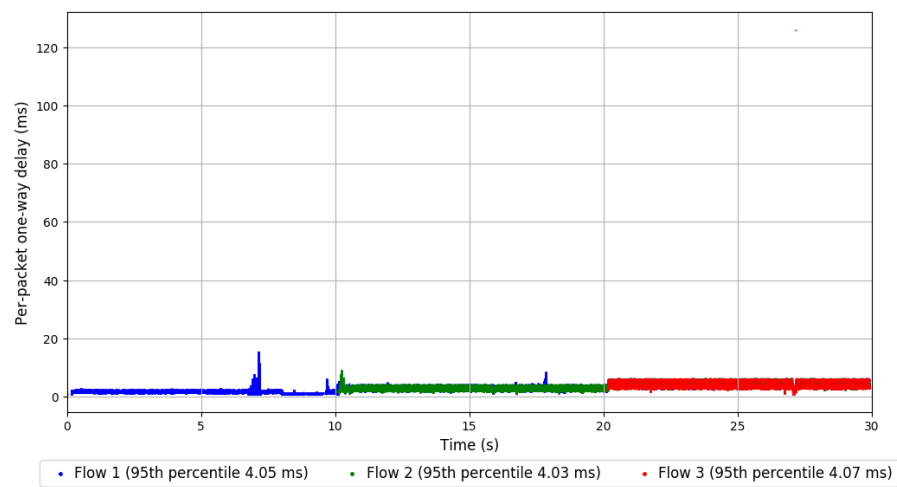
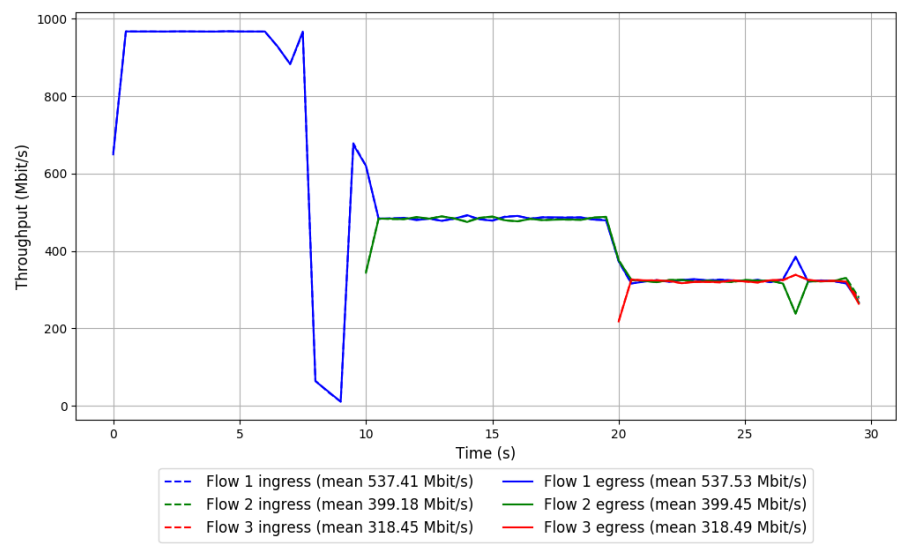


Run 10: Statistics of FillP

Start at: 2018-01-02 10:47:04
End at: 2018-01-02 10:47:34
Local clock offset: 1.238 ms
Remote clock offset: -0.985 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 908.38 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 537.53 Mbit/s
95th percentile per-packet one-way delay: 4.051 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 399.45 Mbit/s
95th percentile per-packet one-way delay: 4.032 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.49 Mbit/s
95th percentile per-packet one-way delay: 4.074 ms
Loss rate: 0.21%

Run 10: Report of FillP — Data Link

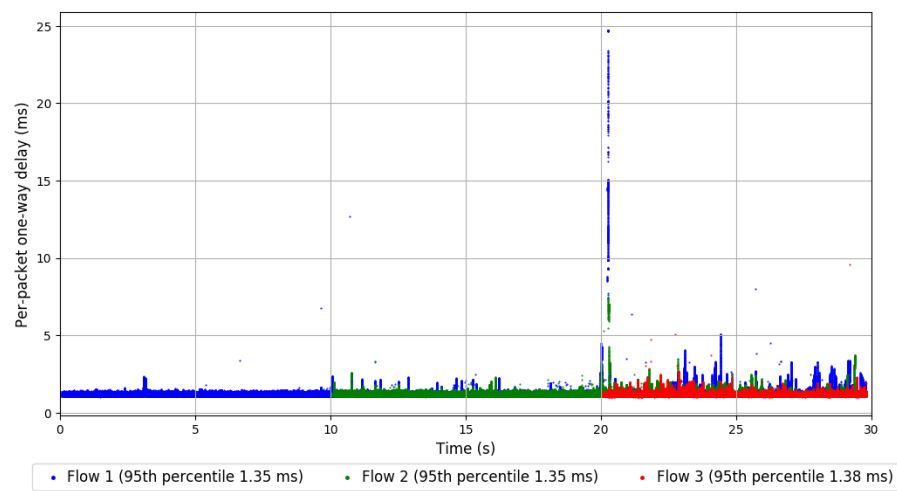
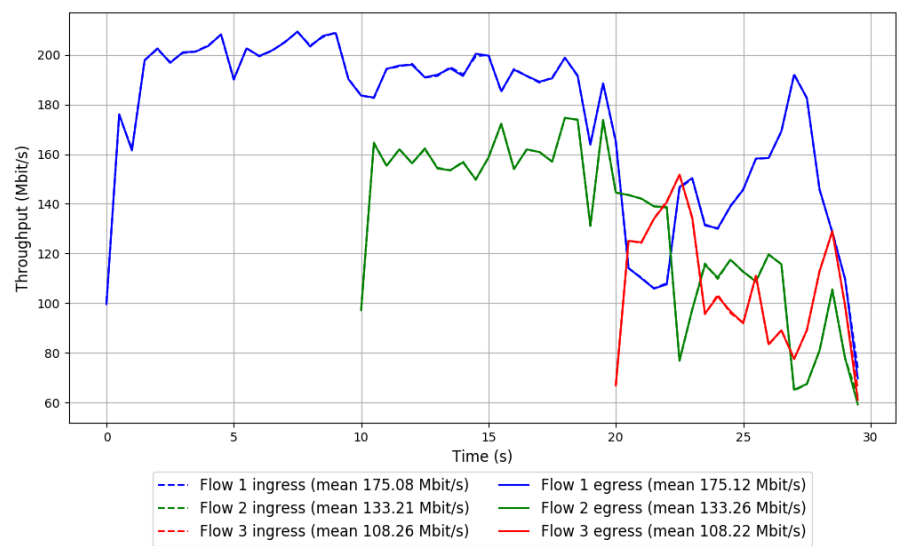


Run 1: Statistics of Indigo

Start at: 2018-01-02 07:35:57
End at: 2018-01-02 07:36:27
Local clock offset: 0.491 ms
Remote clock offset: -2.974 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.96 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 175.12 Mbit/s
95th percentile per-packet one-way delay: 1.353 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 133.26 Mbit/s
95th percentile per-packet one-way delay: 1.350 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 108.22 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.21%

Run 1: Report of Indigo — Data Link

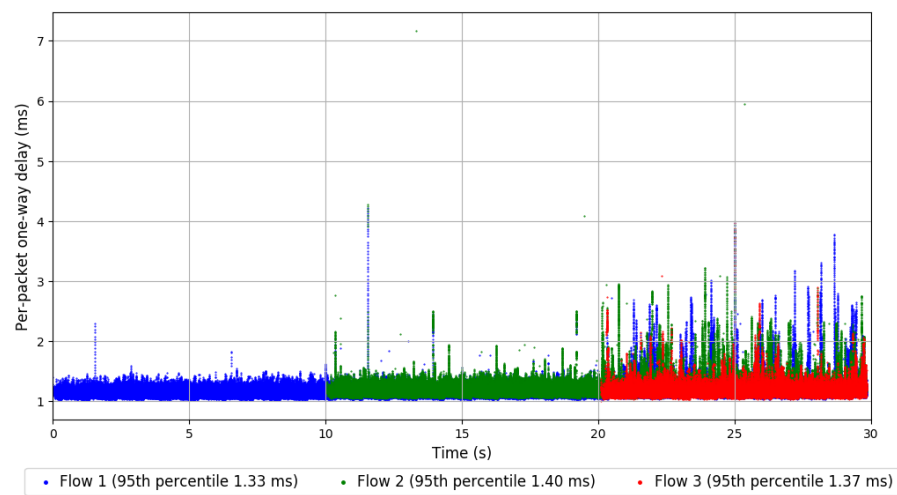
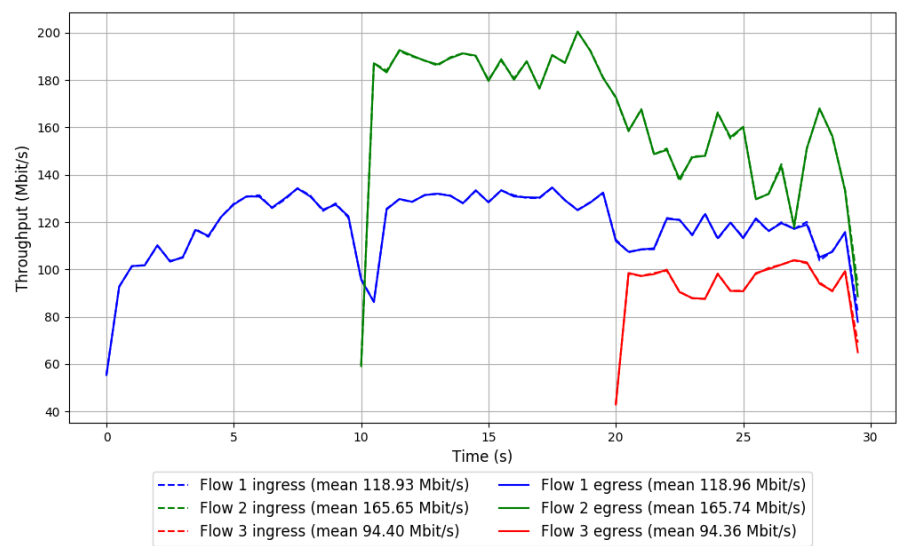


Run 2: Statistics of Indigo

Start at: 2018-01-02 07:58:04
End at: 2018-01-02 07:58:34
Local clock offset: 0.752 ms
Remote clock offset: -2.221 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.73 Mbit/s
95th percentile per-packet one-way delay: 1.364 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 118.96 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 165.74 Mbit/s
95th percentile per-packet one-way delay: 1.399 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 1.373 ms
Loss rate: 0.23%

Run 2: Report of Indigo — Data Link

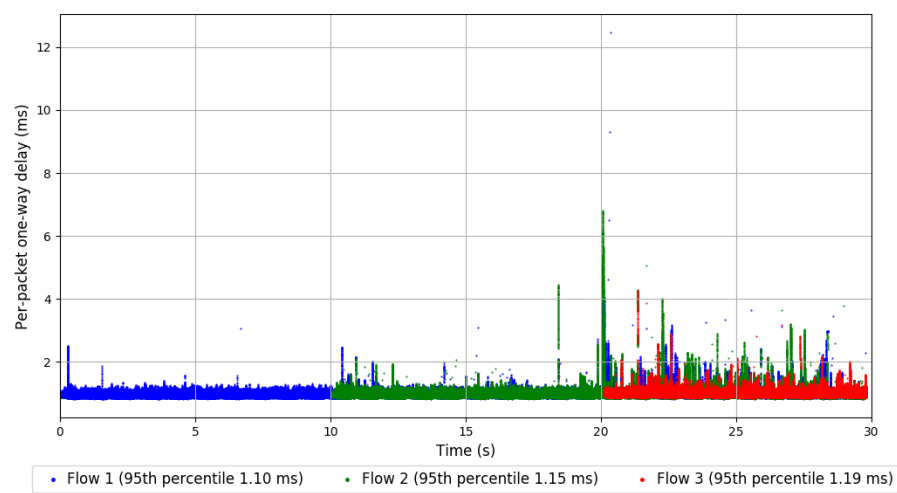
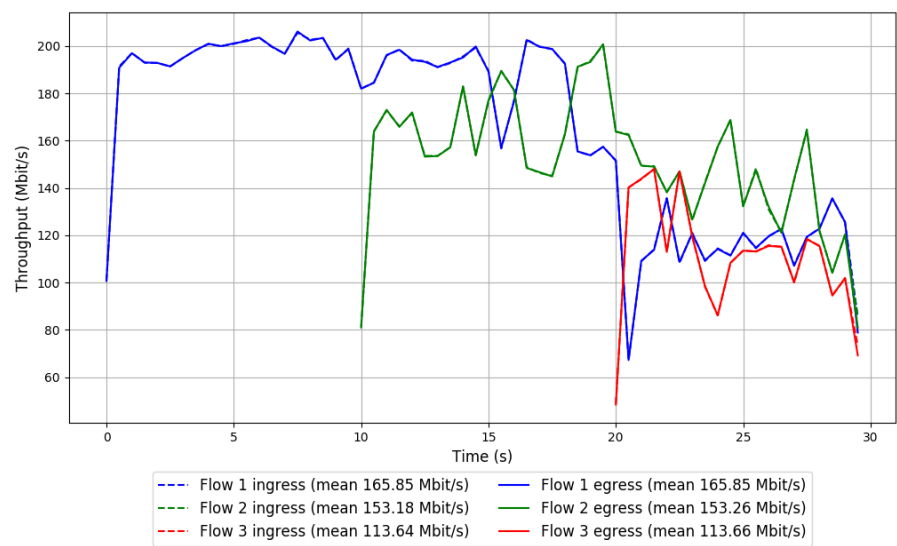


Run 3: Statistics of Indigo

Start at: 2018-01-02 08:20:10
End at: 2018-01-02 08:20:40
Local clock offset: 0.877 ms
Remote clock offset: -1.801 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.62 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 165.85 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 153.26 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 113.66 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.19%

Run 3: Report of Indigo — Data Link

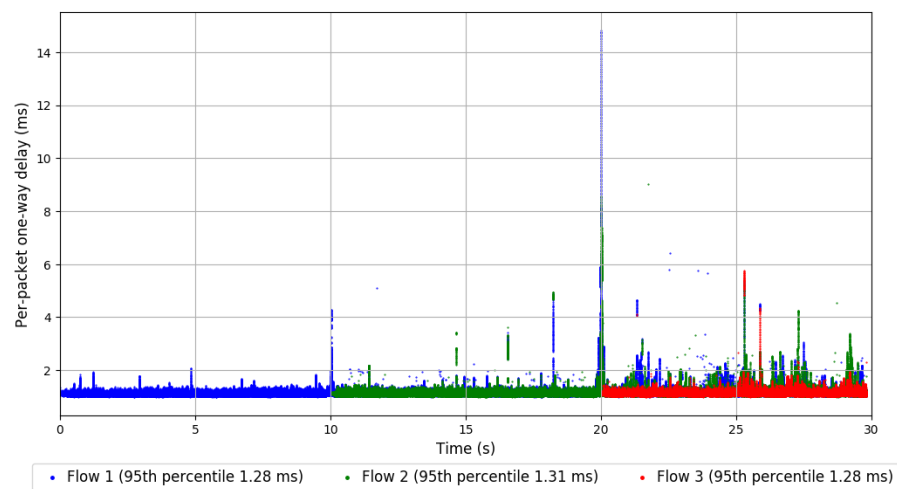
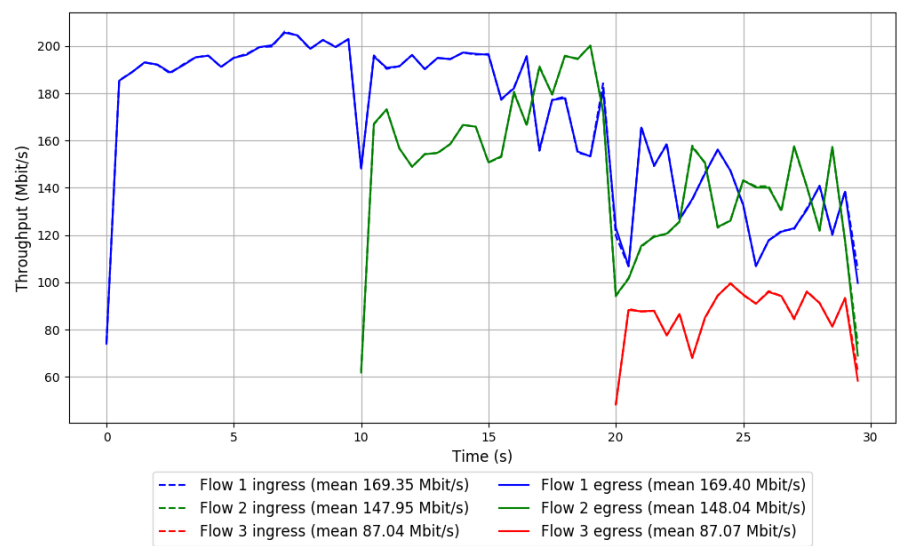


Run 4: Statistics of Indigo

Start at: 2018-01-02 08:42:21
End at: 2018-01-02 08:42:51
Local clock offset: 1.198 ms
Remote clock offset: -1.907 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.02 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 169.40 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 148.04 Mbit/s
95th percentile per-packet one-way delay: 1.306 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.25%

Run 4: Report of Indigo — Data Link

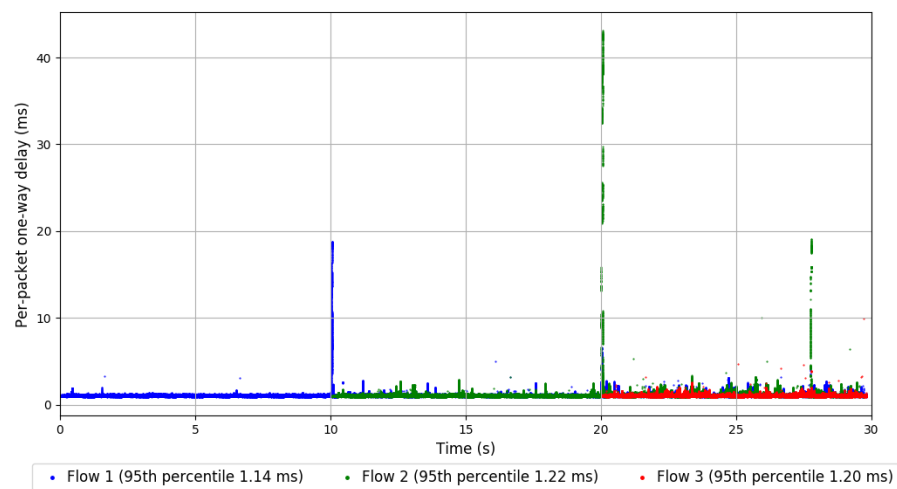
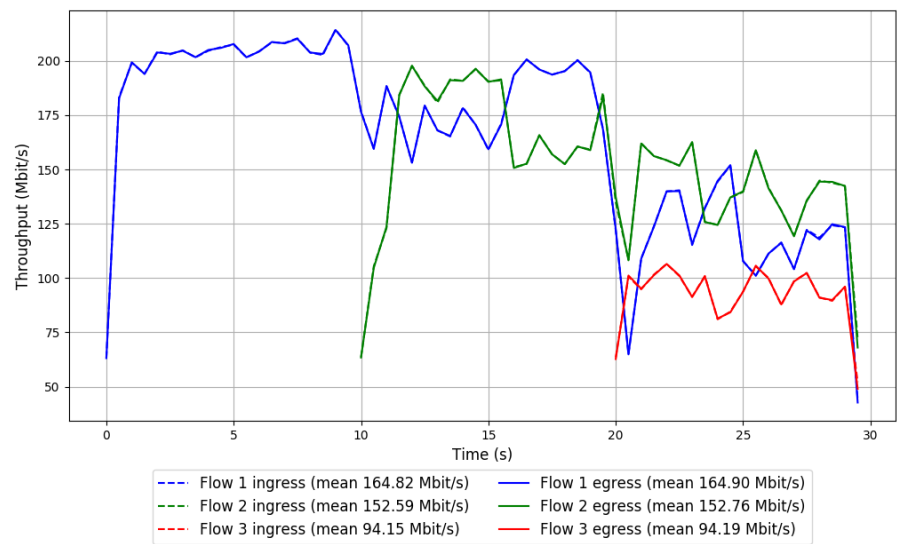


Run 5: Statistics of Indigo

Start at: 2018-01-02 09:04:41
End at: 2018-01-02 09:05:11
Local clock offset: 1.328 ms
Remote clock offset: -1.903 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.86 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 164.90 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 152.76 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.17%

Run 5: Report of Indigo — Data Link

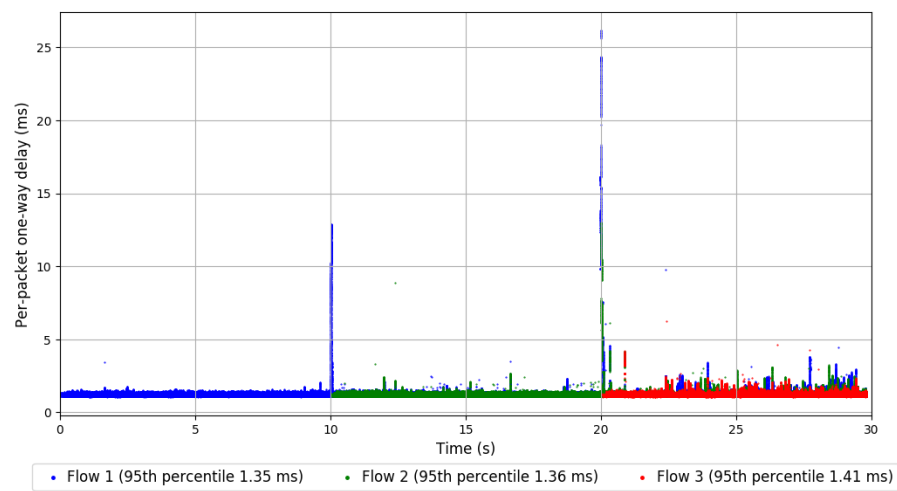
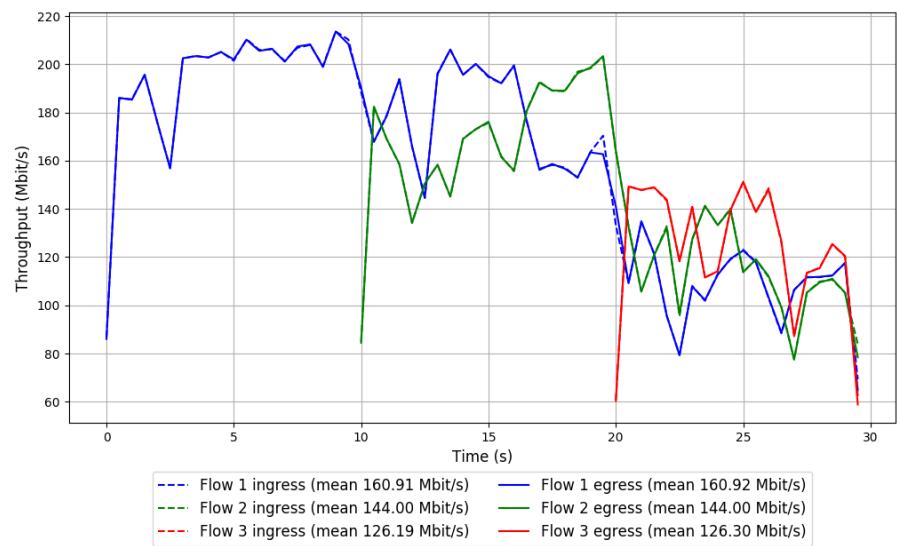


Run 6: Statistics of Indigo

Start at: 2018-01-02 09:26:49
End at: 2018-01-02 09:27:19
Local clock offset: 1.589 ms
Remote clock offset: -1.563 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.65 Mbit/s
95th percentile per-packet one-way delay: 1.359 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 160.92 Mbit/s
95th percentile per-packet one-way delay: 1.350 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 144.00 Mbit/s
95th percentile per-packet one-way delay: 1.356 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 126.30 Mbit/s
95th percentile per-packet one-way delay: 1.408 ms
Loss rate: 0.15%

Run 6: Report of Indigo — Data Link

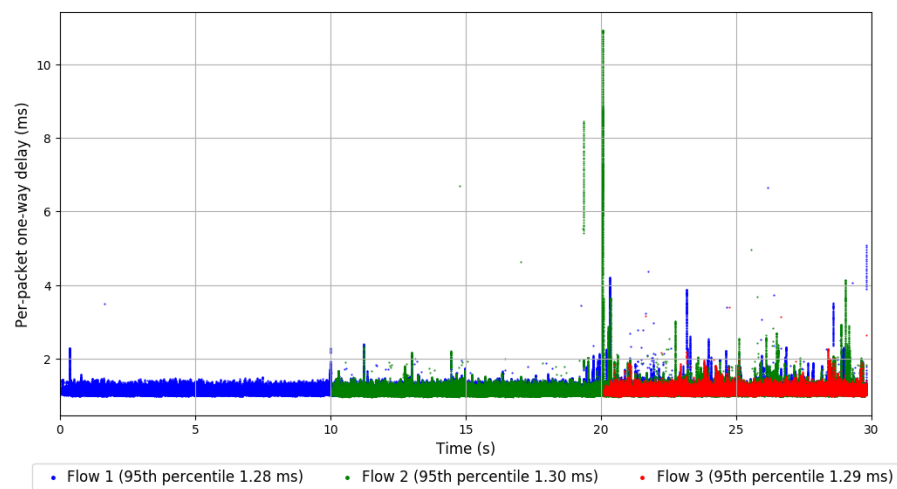
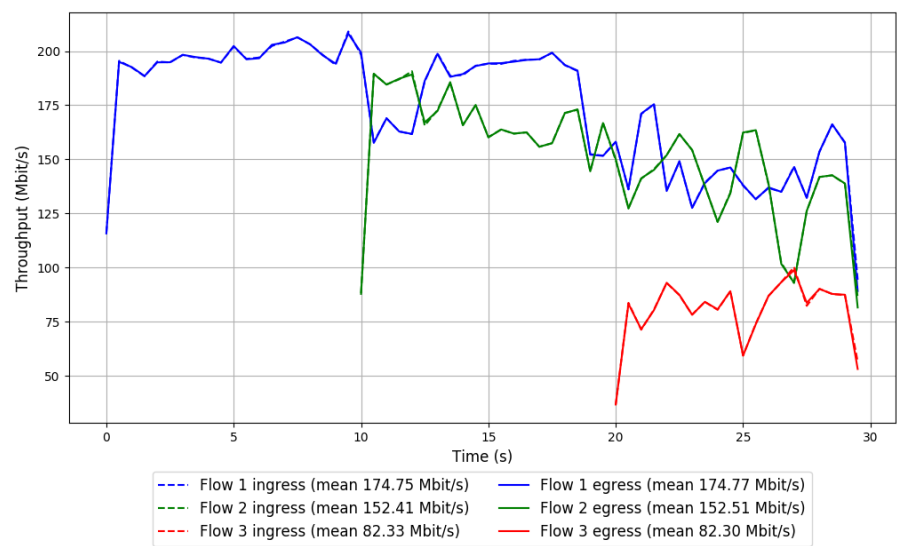


Run 7: Statistics of Indigo

Start at: 2018-01-02 09:49:00
End at: 2018-01-02 09:49:30
Local clock offset: 1.405 ms
Remote clock offset: -1.125 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.82 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 174.77 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 152.51 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 82.30 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.22%

Run 7: Report of Indigo — Data Link

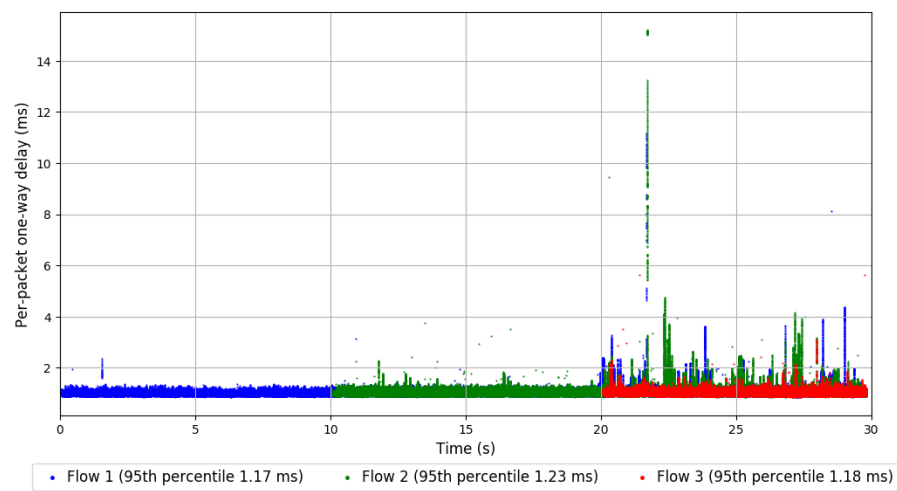
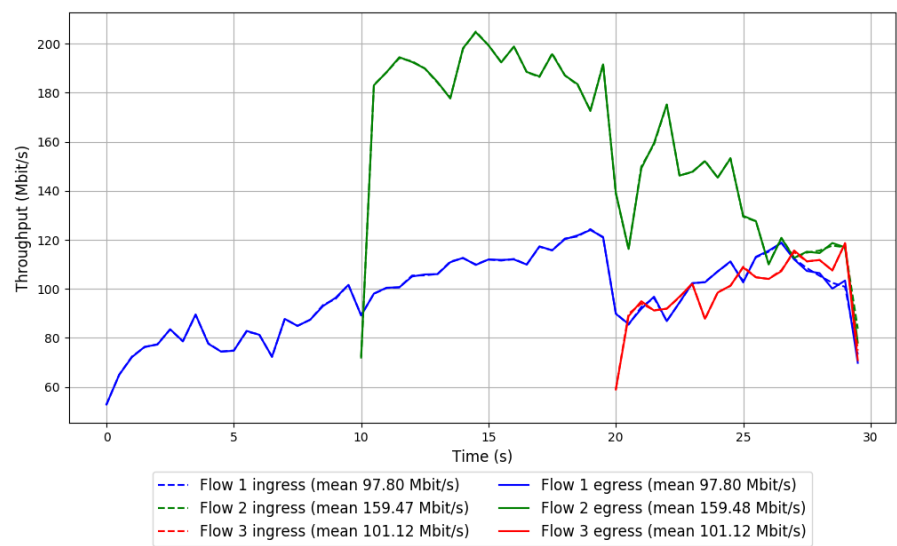


Run 8: Statistics of Indigo

Start at: 2018-01-02 10:11:26
End at: 2018-01-02 10:11:56
Local clock offset: 1.228 ms
Remote clock offset: -1.011 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.70 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 97.80 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 159.48 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 101.12 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.20%

Run 8: Report of Indigo — Data Link

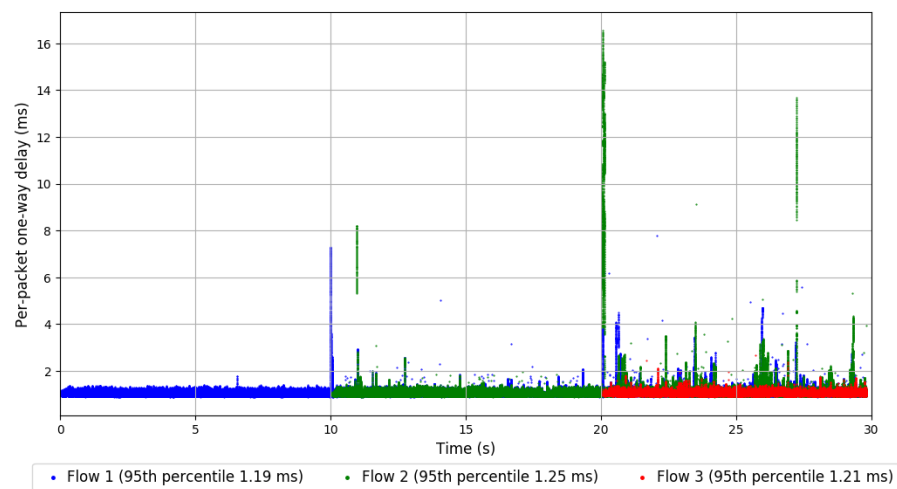
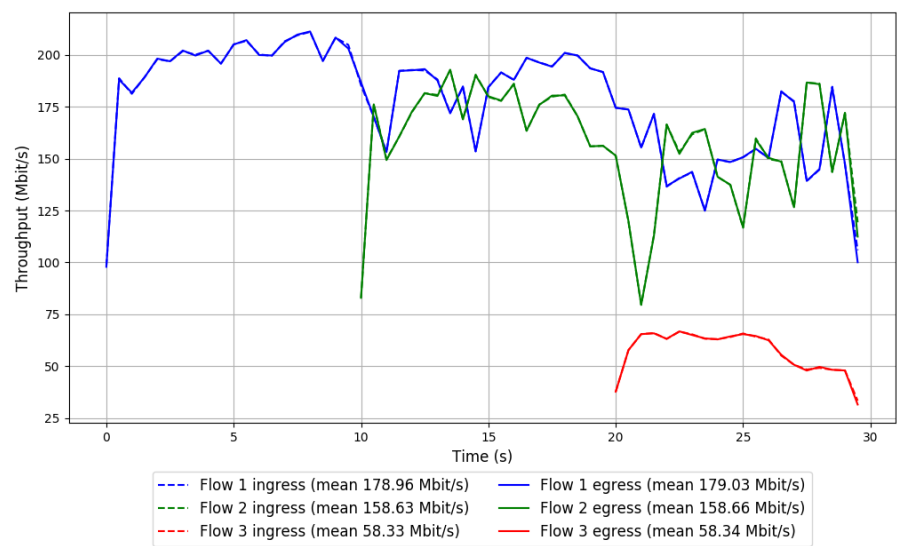


Run 9: Statistics of Indigo

Start at: 2018-01-02 10:33:46
End at: 2018-01-02 10:34:16
Local clock offset: 1.158 ms
Remote clock offset: -1.067 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.26 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 179.03 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 158.66 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.16%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-02 10:55:55
End at: 2018-01-02 10:56:25
Local clock offset: 1.267 ms
Remote clock offset: -0.995 ms

Below is generated by plot.py at 2018-01-02 16:46:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.61 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 163.75 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 148.36 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 99.33 Mbit/s
95th percentile per-packet one-way delay: 1.395 ms
Loss rate: 0.21%

Run 10: Report of Indigo — Data Link

