

Pantheon Report

Generated at 2017-12-01 13:50:23 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

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).

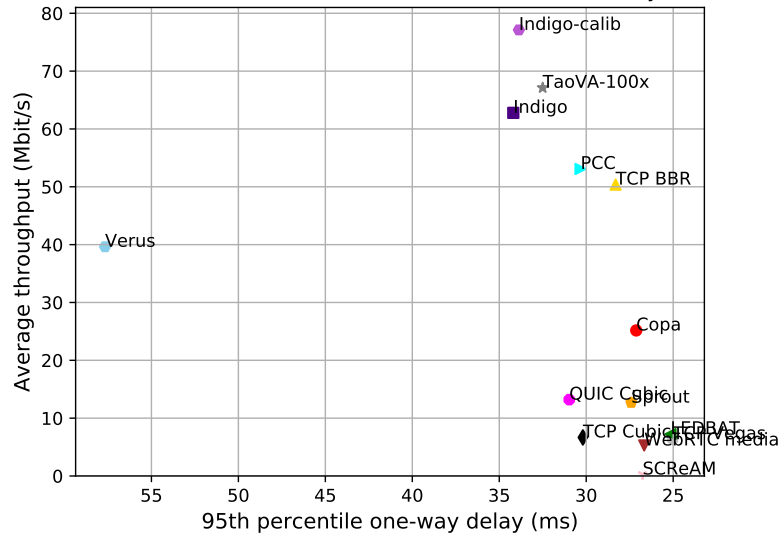
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

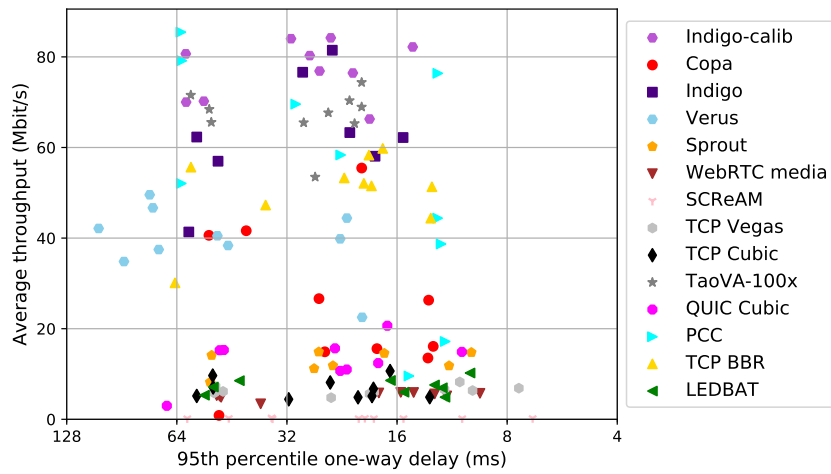
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



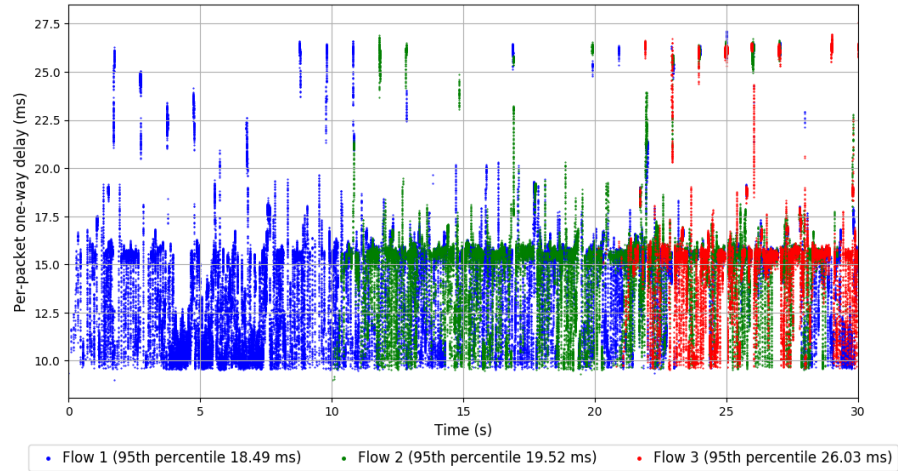
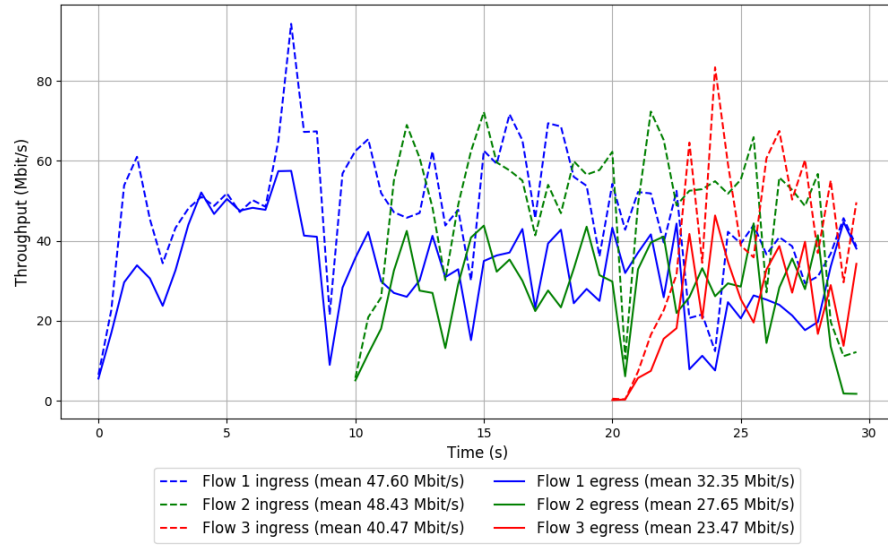
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	27.50	24.59	20.33	27.77	28.92	29.54	32.41	37.72	35.22
TCP Cubic	10	3.22	3.50	3.37	29.99	30.02	30.87	1.84	1.68	2.89
LEDBAT	9	3.73	3.53	3.58	25.03	25.27	24.97	1.26	1.40	1.29
PCC	10	37.72	23.02	10.21	289.63	30.33	30.91	1.63	1.91	2.00
QUIC Cubic	9	6.42	5.97	8.55	31.44	30.12	30.63	1.40	1.26	1.33
SCReAM	10	0.12	0.12	0.16	26.80	26.62	26.16	1.33	1.60	1.62
WebRTC media	10	3.06	1.65	0.60	26.61	26.58	27.02	2.01	1.80	1.56
Sprout	8	6.55	6.28	5.58	27.44	27.52	27.23	4.26	5.23	5.40
TaoVA-100x	10	49.89	21.35	13.01	32.36	32.18	32.85	8.83	11.62	17.72
TCP Vegas	10	3.04	3.27	3.47	24.61	24.95	25.34	1.41	1.22	1.85
Verus	10	22.63	22.37	7.97	49.33	52.47	34.38	68.10	64.41	48.22
Copa	10	14.98	11.27	10.40	26.90	27.98	27.29	0.90	1.10	1.23
Indigo	8	32.90	32.10	25.01	32.97	34.83	34.38	19.10	27.51	32.58
Indigo-calib	10	43.35	34.55	34.36	32.77	34.33	34.88	33.01	42.57	51.99

Run 1: Statistics of TCP BBR

Start at: 2017-12-01 10:19:30
End at: 2017-12-01 10:20:00
Local clock offset: 3.106 ms
Remote clock offset: -36.245 ms

Below is generated by plot.py at 2017-12-01 13:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 19.098 ms
Loss rate: 37.19%
-- Flow 1:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 18.489 ms
Loss rate: 32.04%
-- Flow 2:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 19.525 ms
Loss rate: 42.87%
-- Flow 3:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 26.034 ms
Loss rate: 41.95%

Run 1: Report of TCP BBR — Data Link

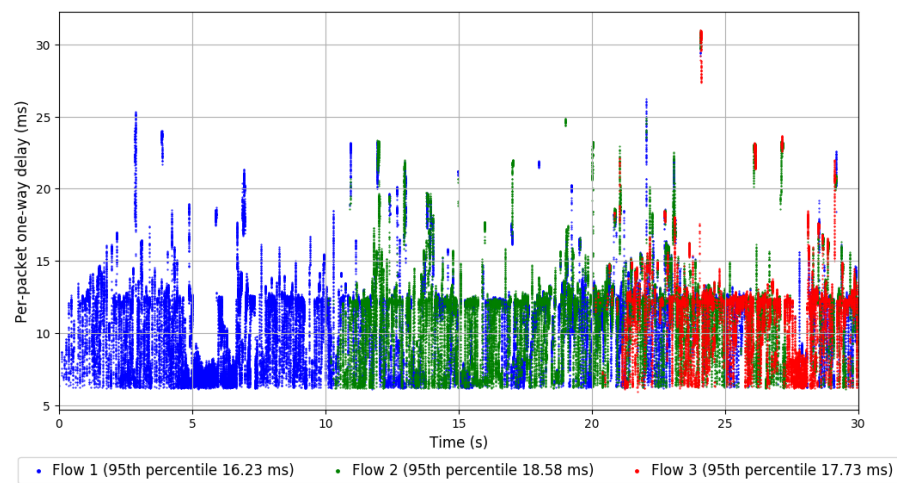
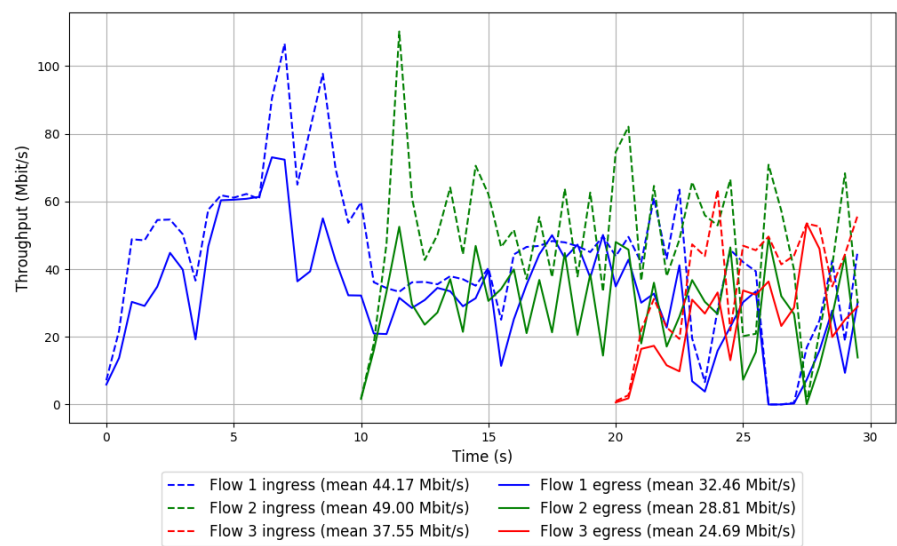


Run 2: Statistics of TCP BBR

Start at: 2017-12-01 10:37:31
End at: 2017-12-01 10:38:01
Local clock offset: 3.418 ms
Remote clock offset: -40.106 ms

Below is generated by plot.py at 2017-12-01 13:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 17.507 ms
Loss rate: 32.96%
-- Flow 1:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 16.226 ms
Loss rate: 26.50%
-- Flow 2:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 18.583 ms
Loss rate: 41.22%
-- Flow 3:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 17.733 ms
Loss rate: 34.24%

Run 2: Report of TCP BBR — Data Link

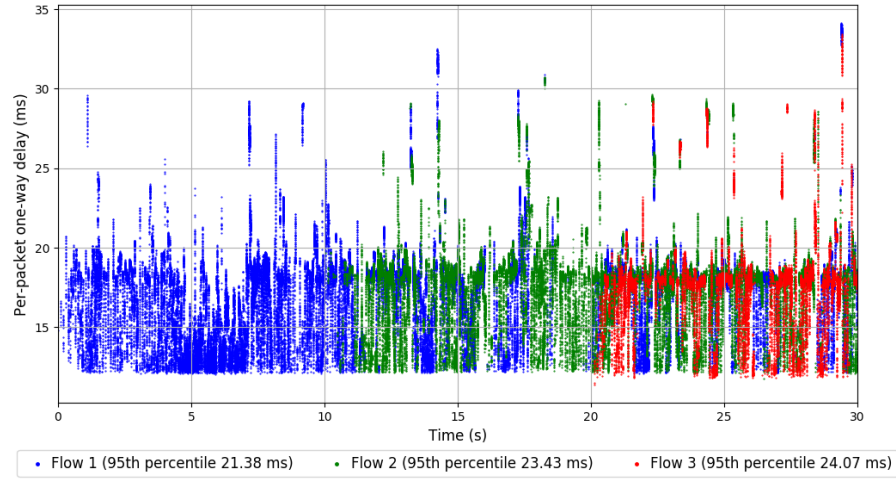
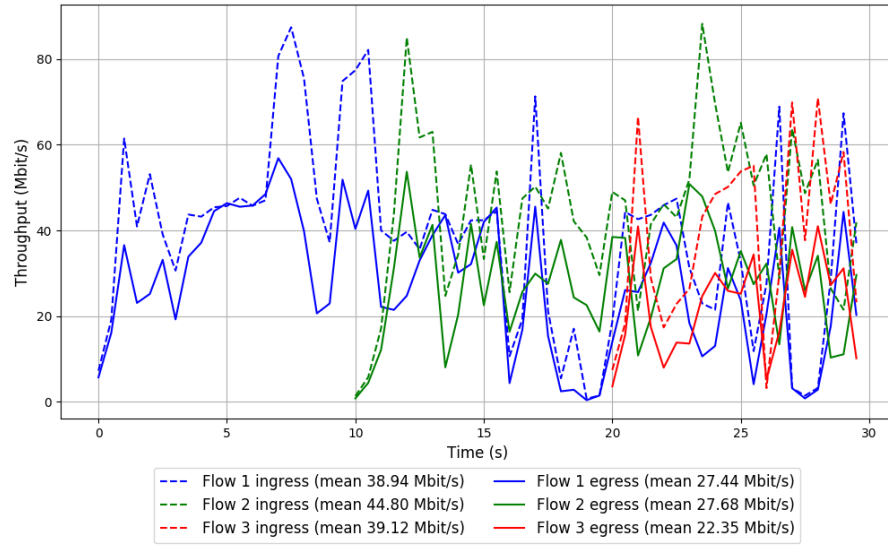


Run 3: Statistics of TCP BBR

Start at: 2017-12-01 10:56:02
End at: 2017-12-01 10:56:32
Local clock offset: 4.143 ms
Remote clock offset: -34.661 ms

Below is generated by plot.py at 2017-12-01 13:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 22.304 ms
Loss rate: 34.82%
-- Flow 1:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 21.376 ms
Loss rate: 29.53%
-- Flow 2:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 23.425 ms
Loss rate: 38.23%
-- Flow 3:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 24.068 ms
Loss rate: 42.87%

Run 3: Report of TCP BBR — Data Link

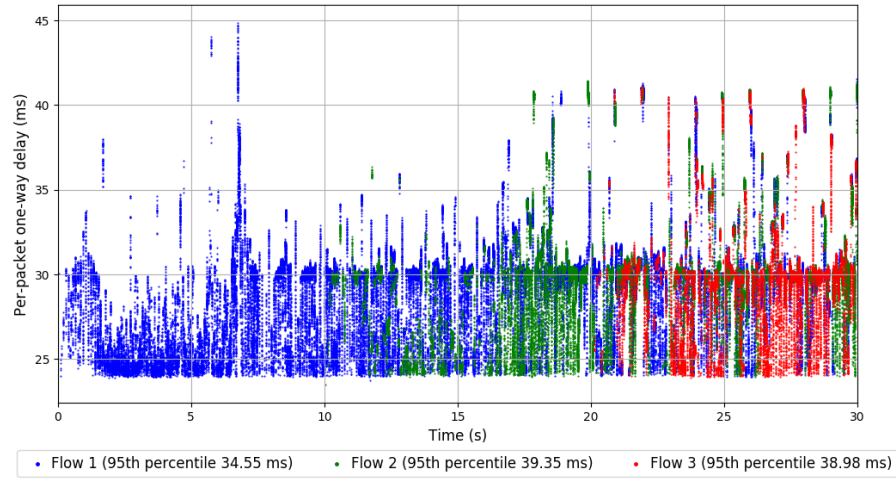
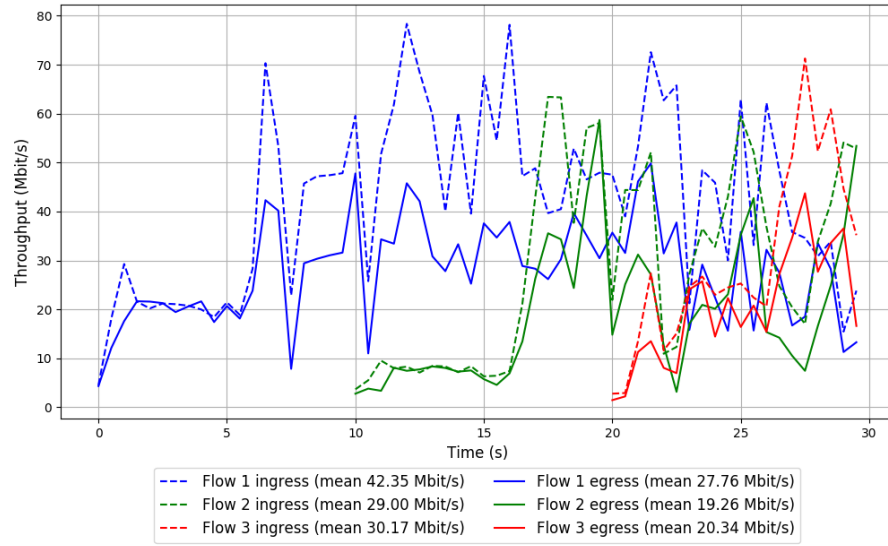


Run 4: Statistics of TCP BBR

Start at: 2017-12-01 11:13:59
End at: 2017-12-01 11:14:29
Local clock offset: 4.968 ms
Remote clock offset: -22.653 ms

Below is generated by plot.py at 2017-12-01 13:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 36.593 ms
Loss rate: 33.93%
-- Flow 1:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 34.545 ms
Loss rate: 34.43%
-- Flow 2:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 39.346 ms
Loss rate: 33.56%
-- Flow 3:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 38.983 ms
Loss rate: 32.55%

Run 4: Report of TCP BBR — Data Link

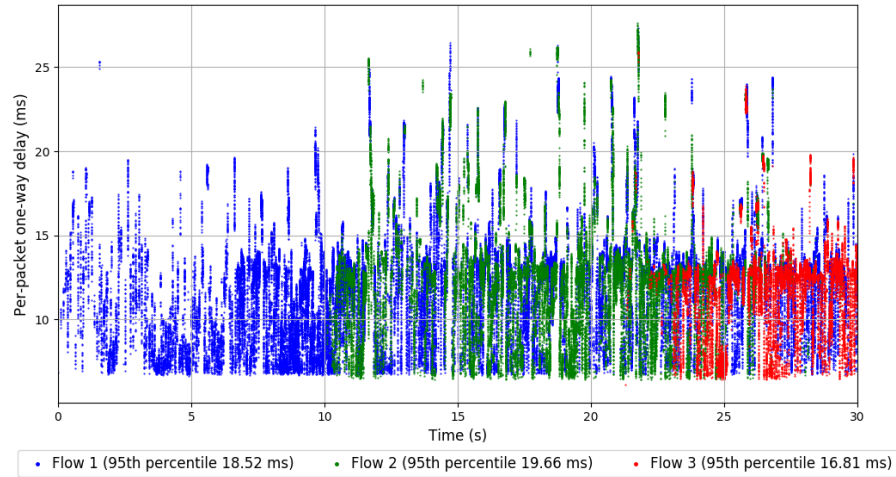
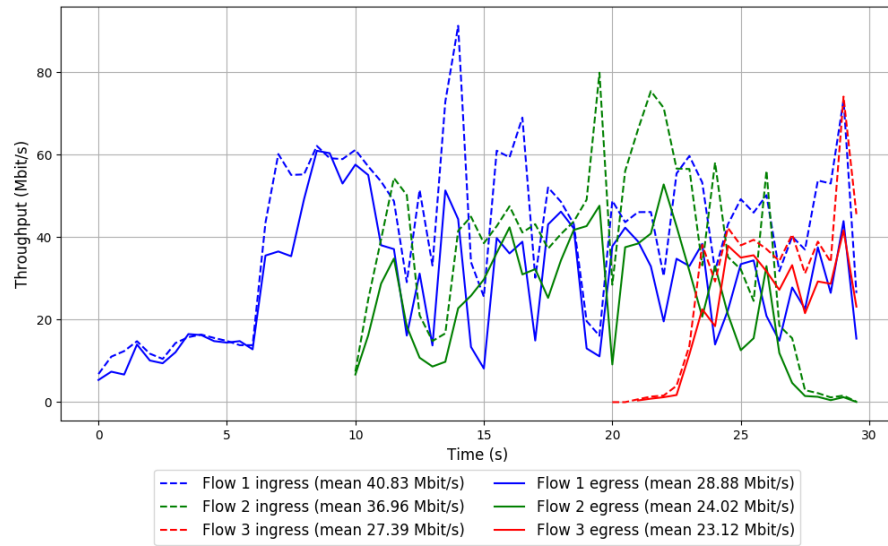


Run 5: Statistics of TCP BBR

Start at: 2017-12-01 11:32:01
End at: 2017-12-01 11:32:31
Local clock offset: 5.773 ms
Remote clock offset: -40.608 ms

Below is generated by plot.py at 2017-12-01 13:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 18.792 ms
Loss rate: 30.76%
-- Flow 1:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 18.522 ms
Loss rate: 29.23%
-- Flow 2:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 19.660 ms
Loss rate: 34.99%
-- Flow 3:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 16.806 ms
Loss rate: 26.15%

Run 5: Report of TCP BBR — Data Link

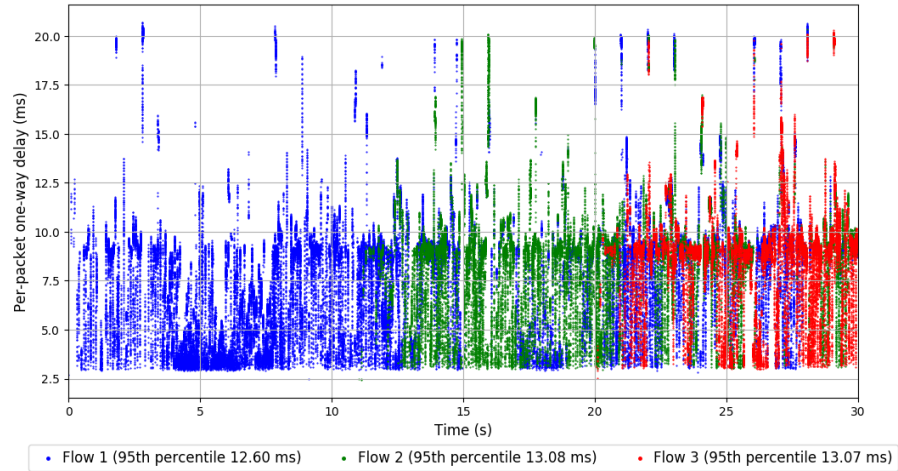
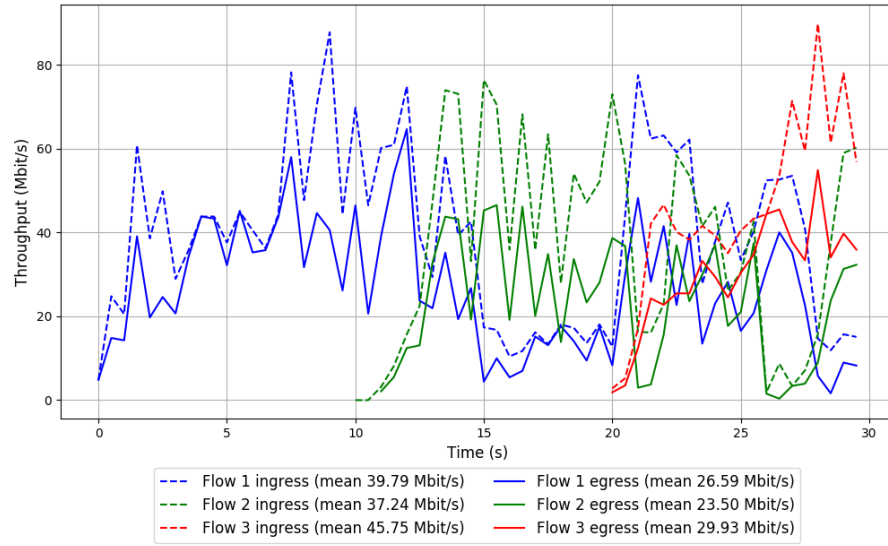


Run 6: Statistics of TCP BBR

Start at: 2017-12-01 11:50:47
End at: 2017-12-01 11:51:17
Local clock offset: 6.153 ms
Remote clock offset: -46.018 ms

Below is generated by plot.py at 2017-12-01 13:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 12.847 ms
Loss rate: 35.57%
-- Flow 1:
Average throughput: 26.59 Mbit/s
95th percentile per-packet one-way delay: 12.599 ms
Loss rate: 33.16%
-- Flow 2:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 13.079 ms
Loss rate: 40.08%
-- Flow 3:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 13.070 ms
Loss rate: 34.53%

Run 6: Report of TCP BBR — Data Link

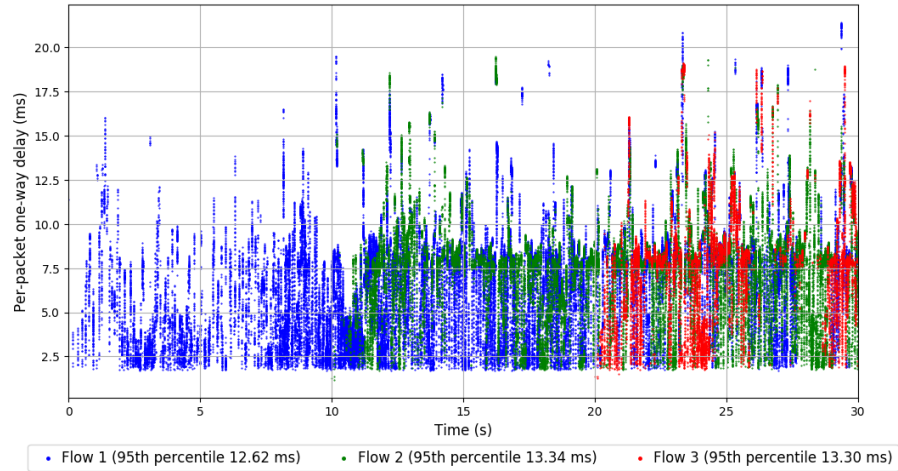
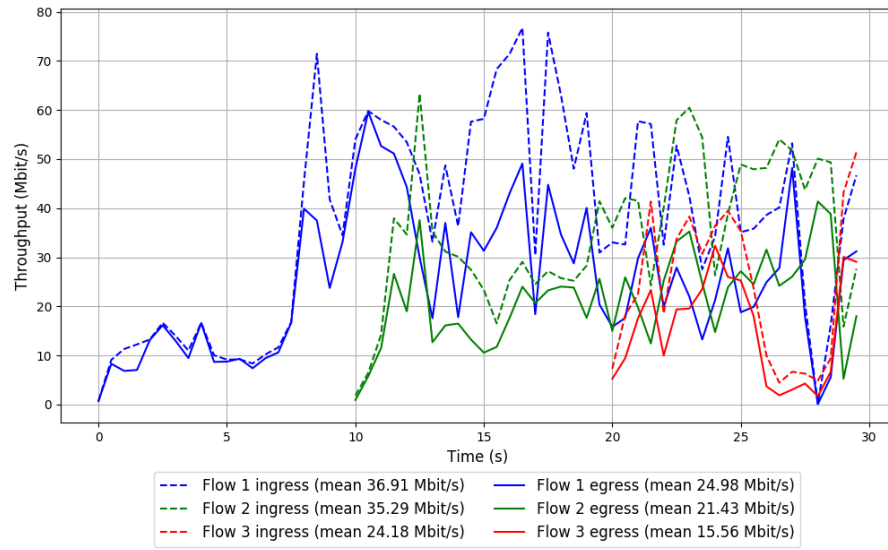


Run 7: Statistics of TCP BBR

Start at: 2017-12-01 12:08:53
End at: 2017-12-01 12:09:23
Local clock offset: 6.967 ms
Remote clock offset: -48.237 ms

Below is generated by plot.py at 2017-12-01 13:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.40 Mbit/s
95th percentile per-packet one-way delay: 12.940 ms
Loss rate: 35.10%
-- Flow 1:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 12.621 ms
Loss rate: 32.33%
-- Flow 2:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 13.344 ms
Loss rate: 39.26%
-- Flow 3:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 13.299 ms
Loss rate: 35.64%

Run 7: Report of TCP BBR — Data Link

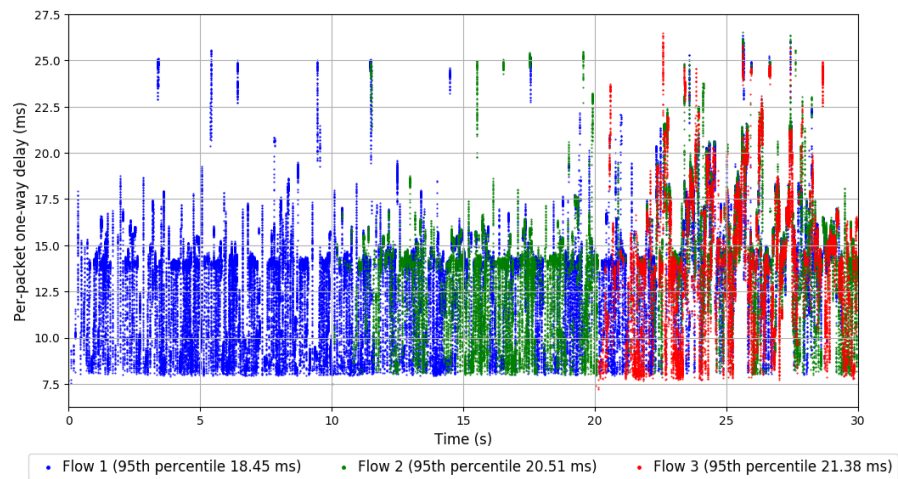
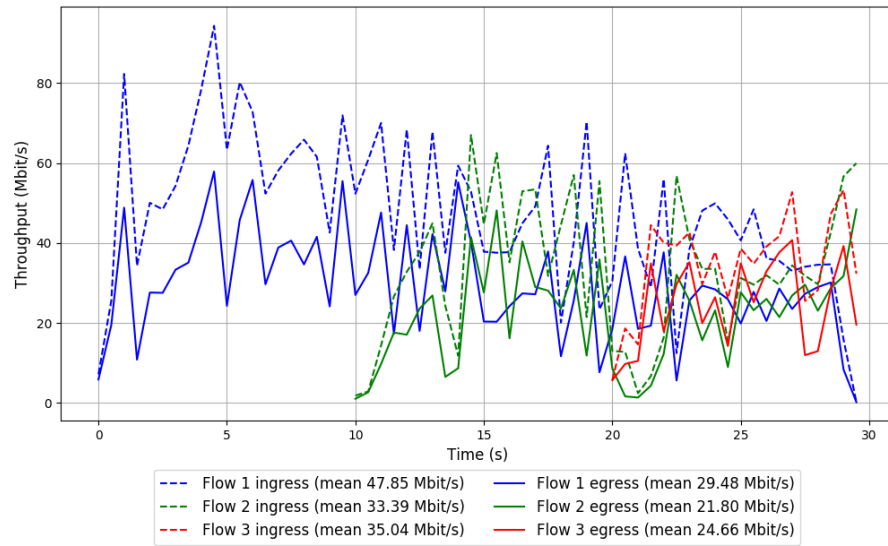


Run 8: Statistics of TCP BBR

Start at: 2017-12-01 12:26:56
End at: 2017-12-01 12:27:26
Local clock offset: 6.975 ms
Remote clock offset: -42.349 ms

Below is generated by plot.py at 2017-12-01 13:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.09 Mbit/s
95th percentile per-packet one-way delay: 19.715 ms
Loss rate: 36.12%
-- Flow 1:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 18.453 ms
Loss rate: 38.36%
-- Flow 2:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 20.511 ms
Loss rate: 34.71%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 21.378 ms
Loss rate: 29.57%

Run 8: Report of TCP BBR — Data Link

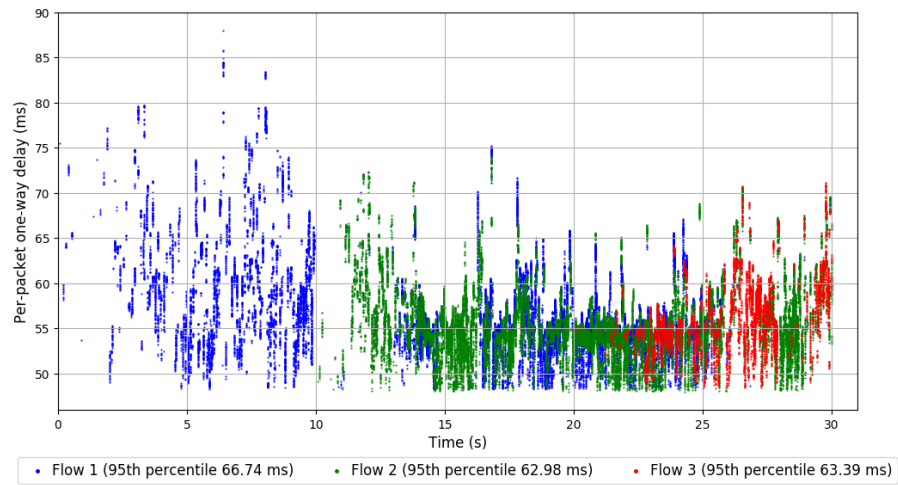
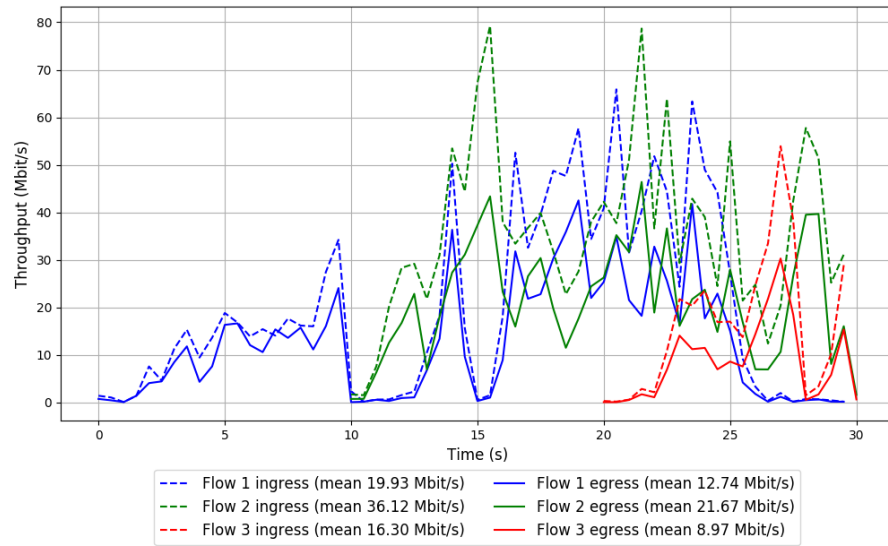


Run 9: Statistics of TCP BBR

Start at: 2017-12-01 12:48:28
End at: 2017-12-01 12:48:58
Local clock offset: 6.381 ms
Remote clock offset: -2.313 ms

Below is generated by plot.py at 2017-12-01 13:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 64.741 ms
Loss rate: 38.94%
-- Flow 1:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 66.739 ms
Loss rate: 36.07%
-- Flow 2:
Average throughput: 21.67 Mbit/s
95th percentile per-packet one-way delay: 62.985 ms
Loss rate: 39.97%
-- Flow 3:
Average throughput: 8.97 Mbit/s
95th percentile per-packet one-way delay: 63.387 ms
Loss rate: 44.93%

Run 9: Report of TCP BBR — Data Link

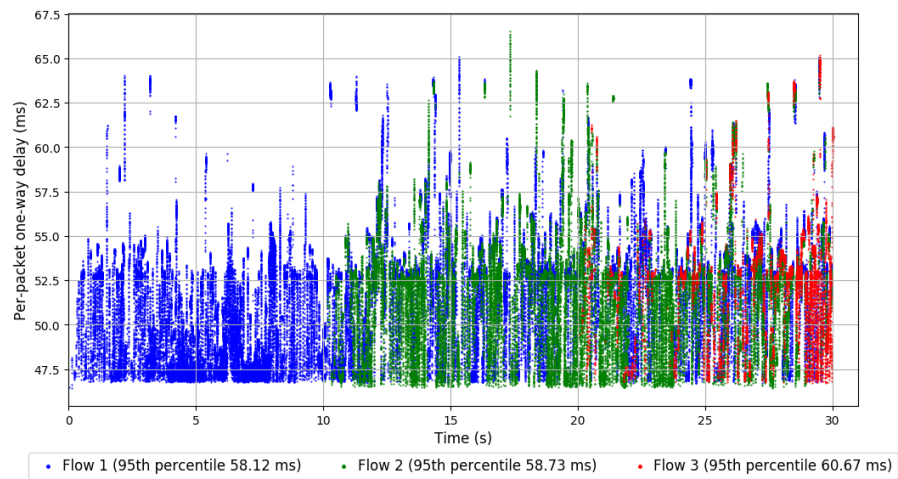
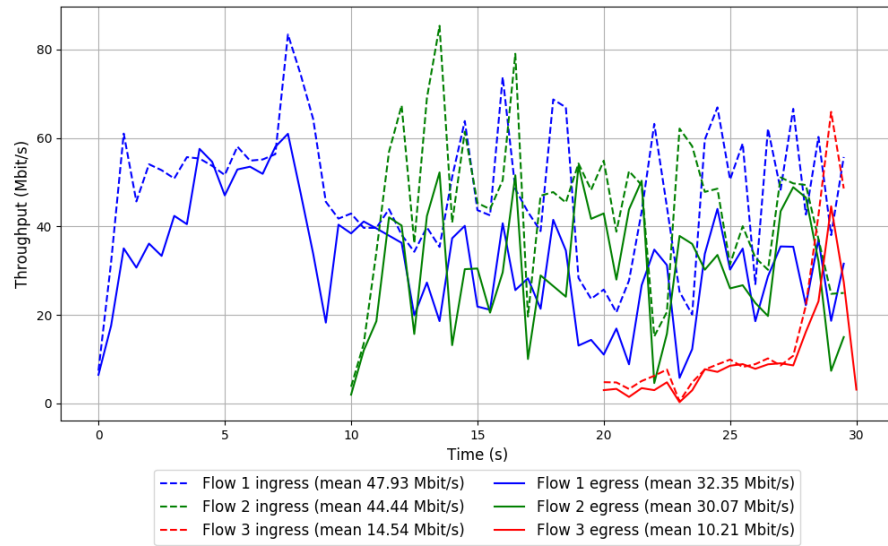


Run 10: Statistics of TCP BBR

Start at: 2017-12-01 13:06:25
End at: 2017-12-01 13:06:55
Local clock offset: 5.368 ms
Remote clock offset: -3.427 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 58.566 ms
Loss rate: 32.26%
-- Flow 1:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 58.120 ms
Loss rate: 32.48%
-- Flow 2:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 58.732 ms
Loss rate: 32.32%
-- Flow 3:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 60.675 ms
Loss rate: 29.74%

Run 10: Report of TCP BBR — Data Link

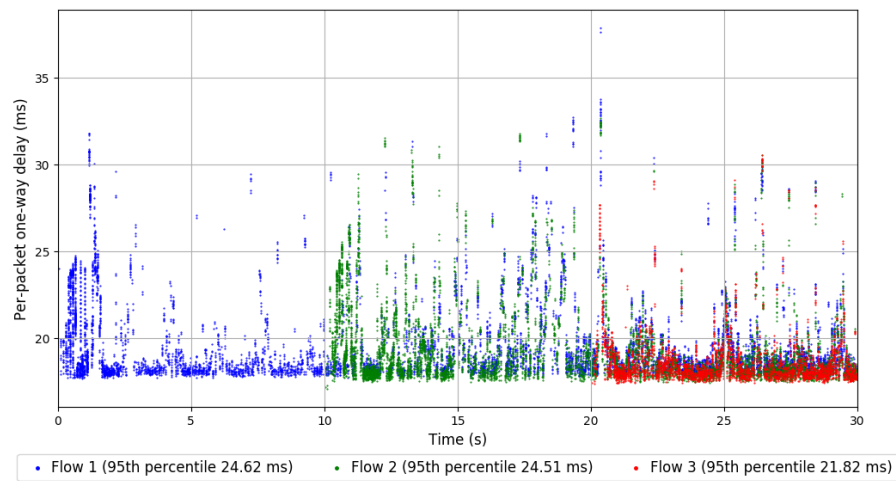
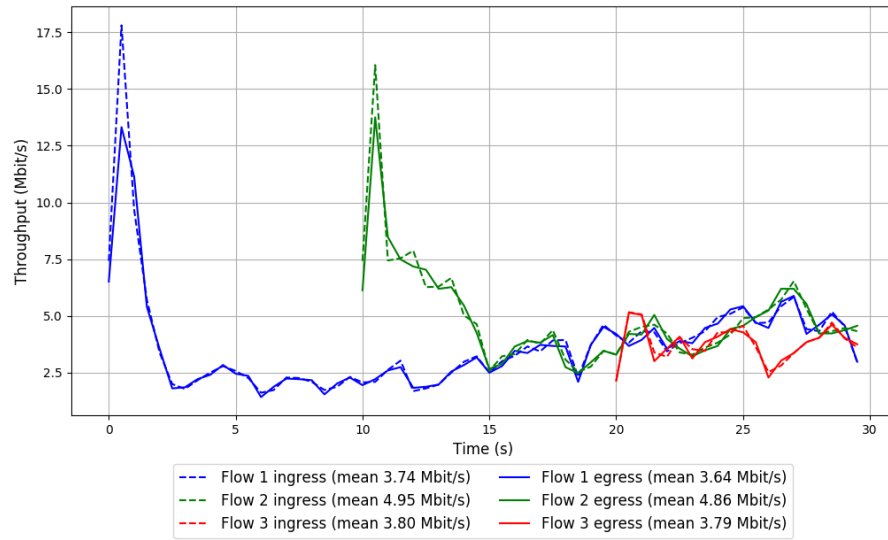


Run 1: Statistics of TCP Cubic

Start at: 2017-12-01 10:30:57
End at: 2017-12-01 10:31:27
Local clock offset: 3.447 ms
Remote clock offset: -28.478 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 24.361 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 24.625 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 24.511 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 21.821 ms
Loss rate: 0.19%

Run 1: Report of TCP Cubic — Data Link

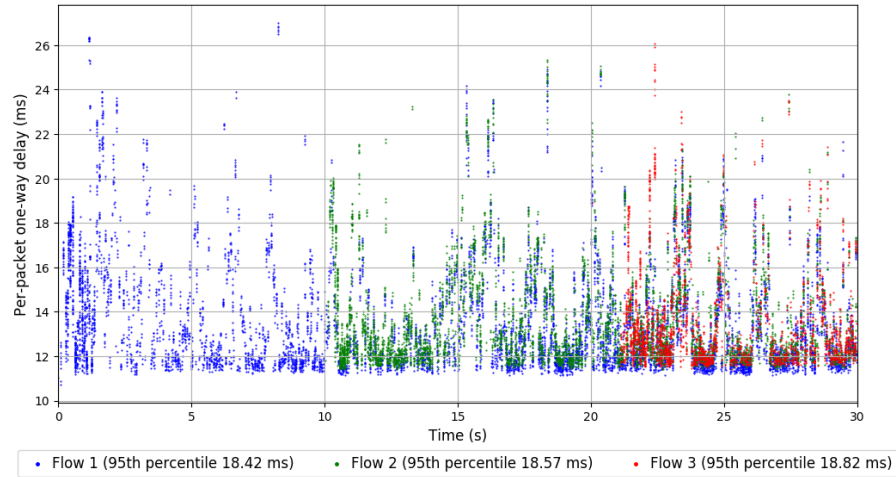
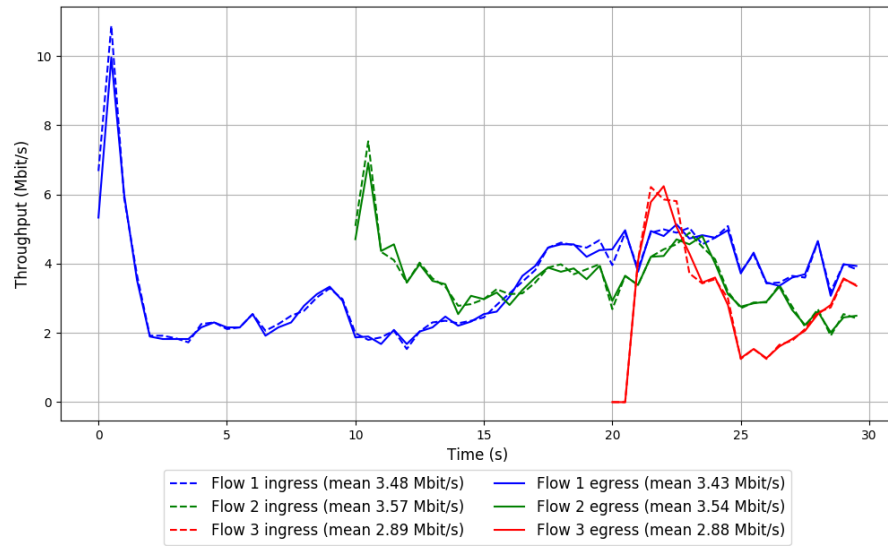


Run 2: Statistics of TCP Cubic

Start at: 2017-12-01 10:49:11
End at: 2017-12-01 10:49:41
Local clock offset: 3.706 ms
Remote clock offset: -35.525 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 18.561 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 18.419 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 18.574 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 18.821 ms
Loss rate: 0.58%

Run 2: Report of TCP Cubic — Data Link

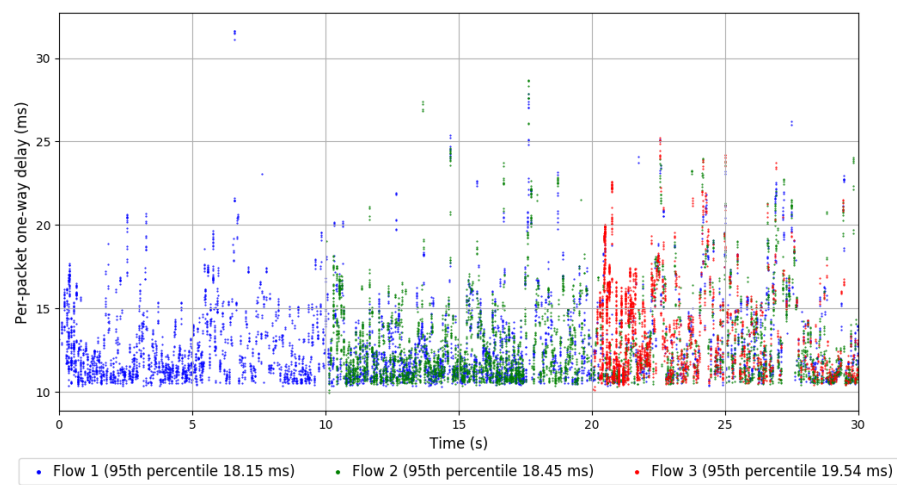
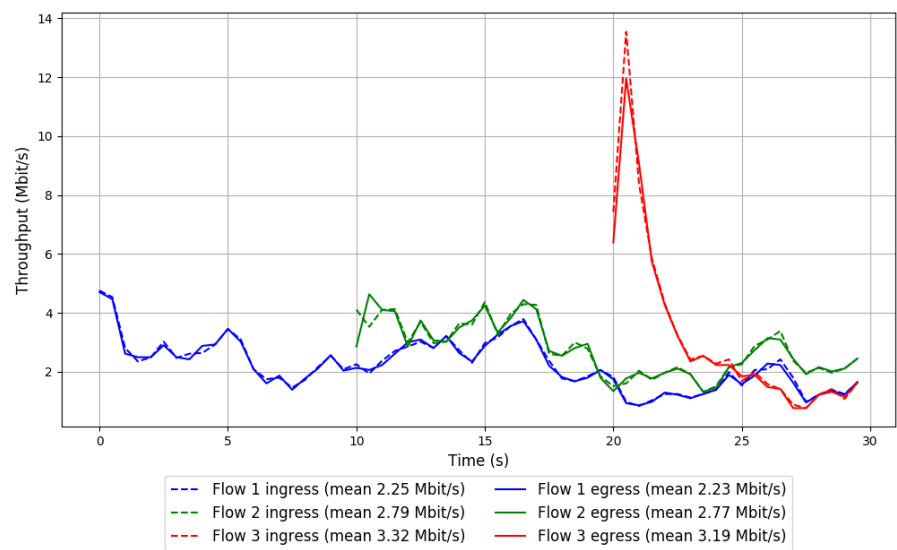


Run 3: Statistics of TCP Cubic

Start at: 2017-12-01 11:07:34
End at: 2017-12-01 11:08:04
Local clock offset: 4.987 ms
Remote clock offset: -35.74 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 18.730 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 18.153 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 18.453 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 19.540 ms
Loss rate: 3.92%

Run 3: Report of TCP Cubic — Data Link

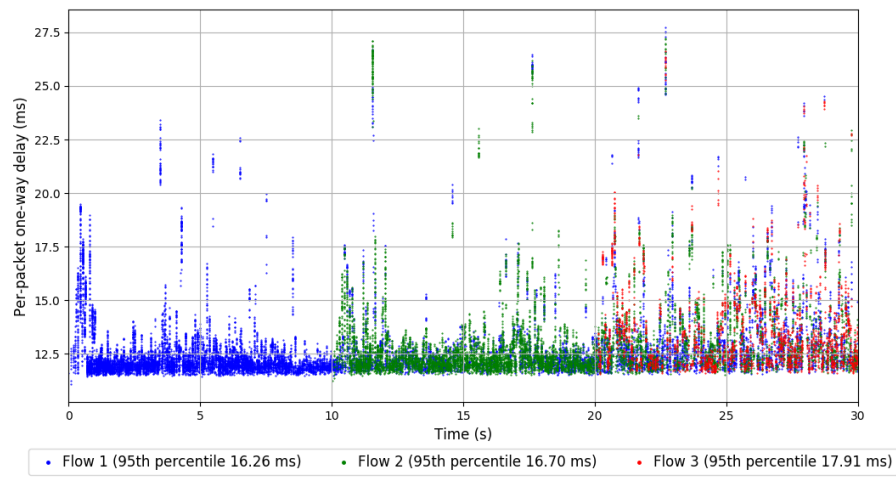
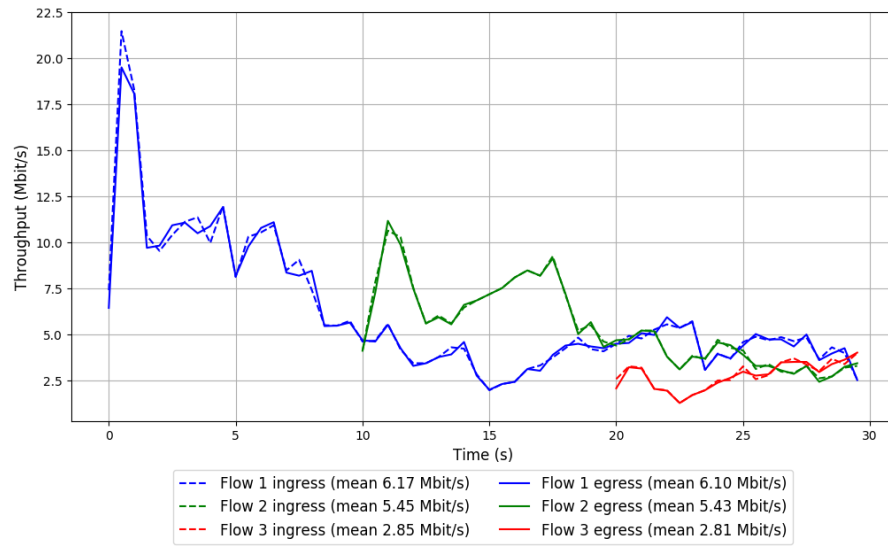


Run 4: Statistics of TCP Cubic

Start at: 2017-12-01 11:25:38
End at: 2017-12-01 11:26:08
Local clock offset: 5.311 ms
Remote clock offset: -35.339 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 16.715 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 16.261 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 16.700 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 17.914 ms
Loss rate: 1.40%

Run 4: Report of TCP Cubic — Data Link

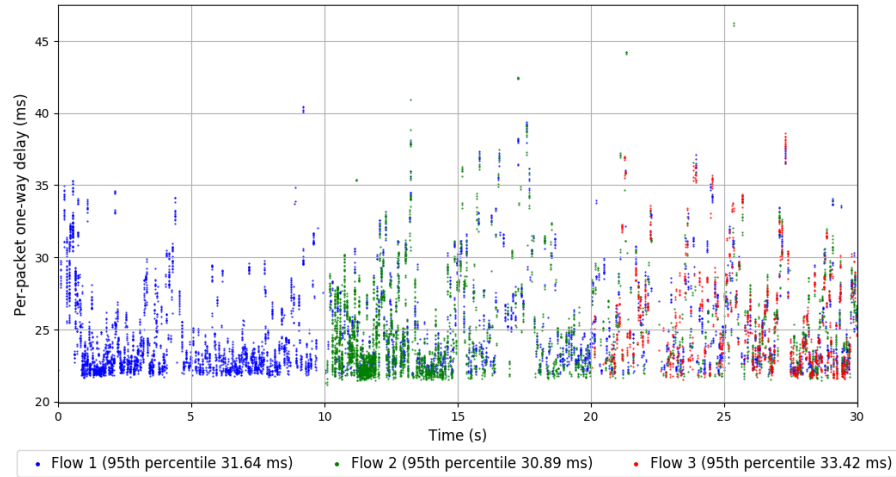
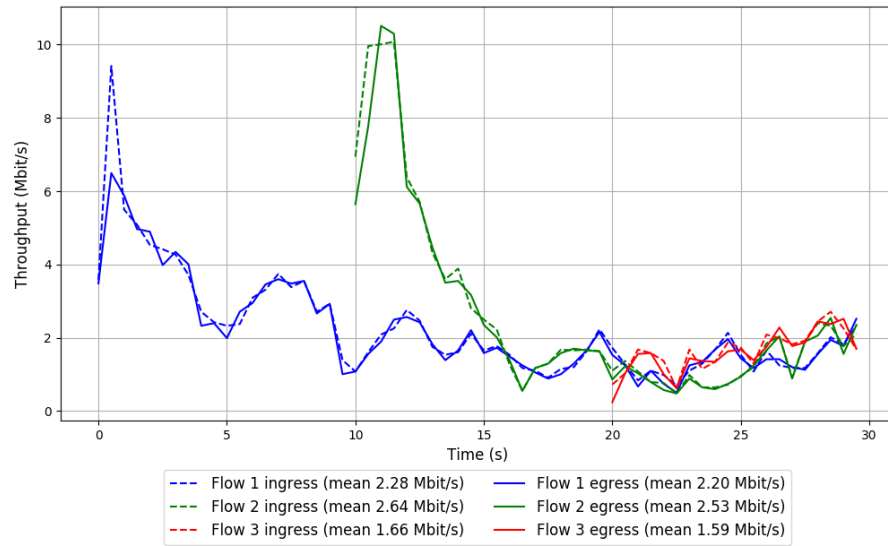


Run 5: Statistics of TCP Cubic

Start at: 2017-12-01 11:43:57
End at: 2017-12-01 11:44:27
Local clock offset: 6.002 ms
Remote clock offset: -26.768 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 31.645 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 31.642 ms
Loss rate: 3.39%
-- Flow 2:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 30.887 ms
Loss rate: 4.12%
-- Flow 3:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 33.416 ms
Loss rate: 4.14%

Run 5: Report of TCP Cubic — Data Link

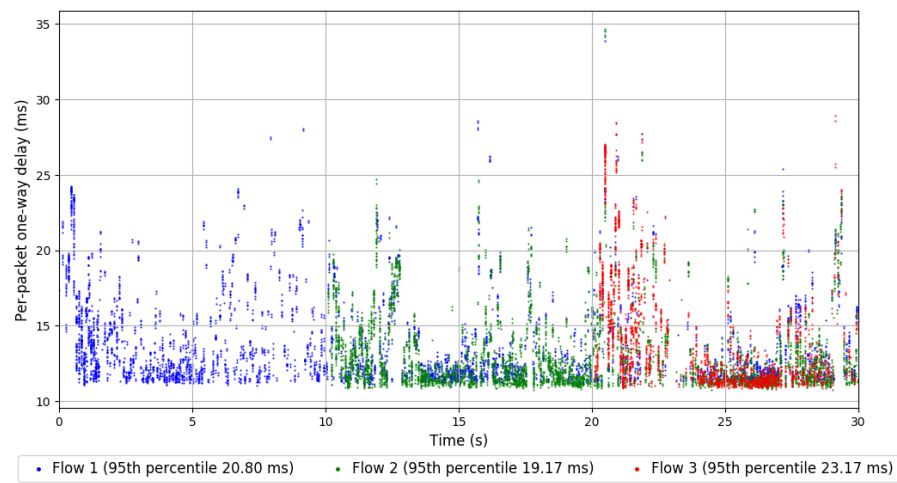
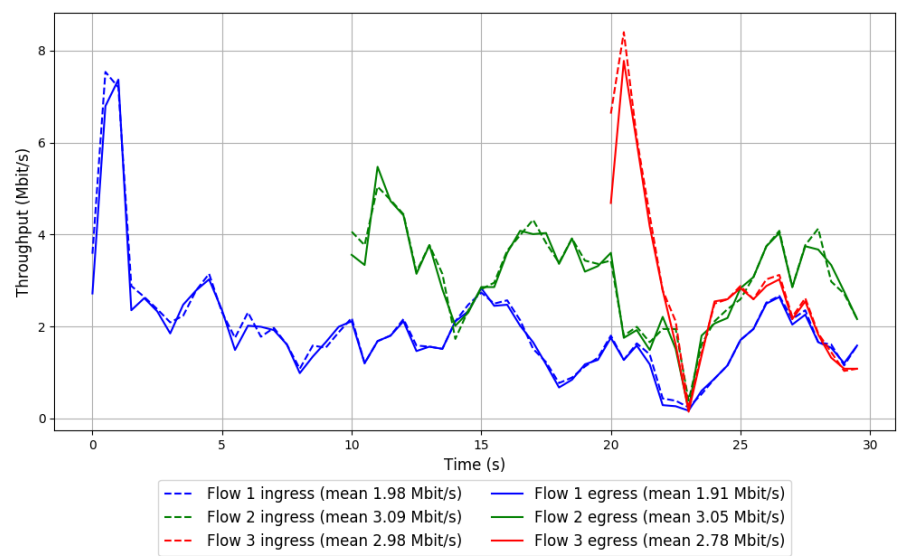


Run 6: Statistics of TCP Cubic

Start at: 2017-12-01 12:02:27
End at: 2017-12-01 12:02:57
Local clock offset: 6.731 ms
Remote clock offset: -38.764 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 20.452 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 20.802 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 23.169 ms
Loss rate: 6.75%

Run 6: Report of TCP Cubic — Data Link

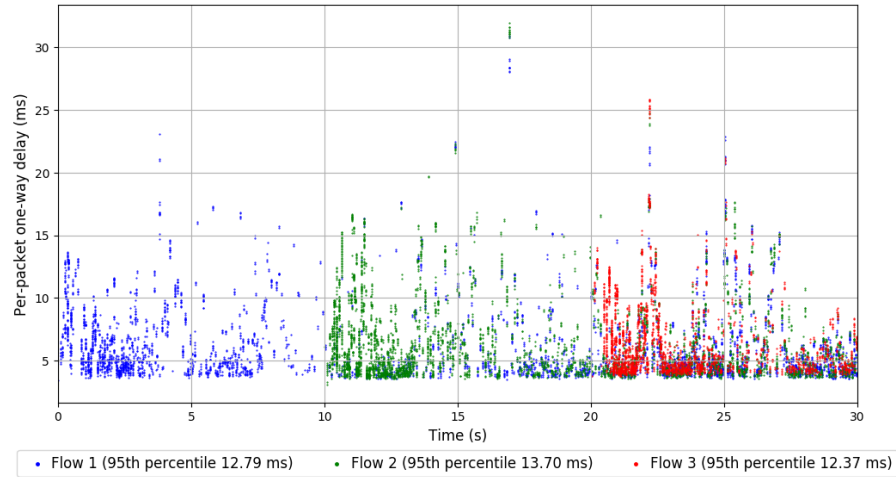
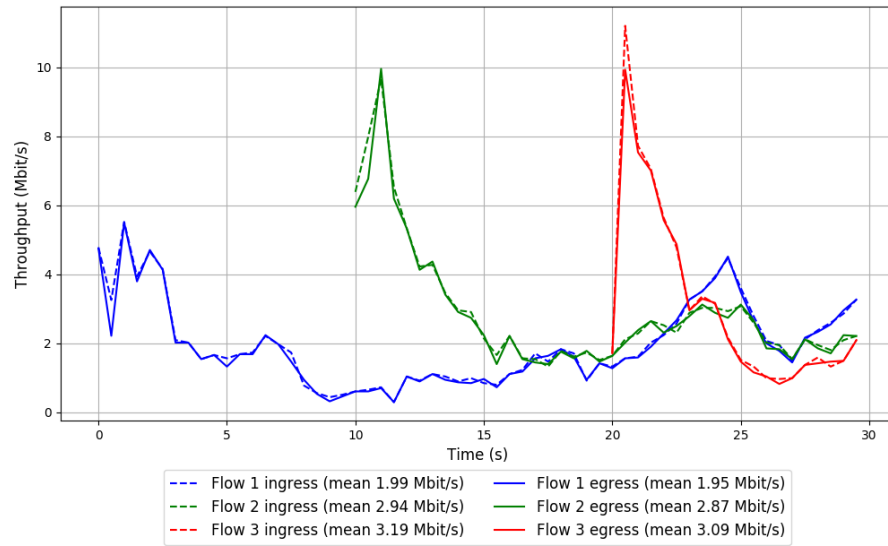


Run 7: Statistics of TCP Cubic

Start at: 2017-12-01 12:20:33
End at: 2017-12-01 12:21:03
Local clock offset: 7.407 ms
Remote clock offset: -46.39 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 13.027 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 12.786 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 13.697 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 12.365 ms
Loss rate: 3.03%

Run 7: Report of TCP Cubic — Data Link

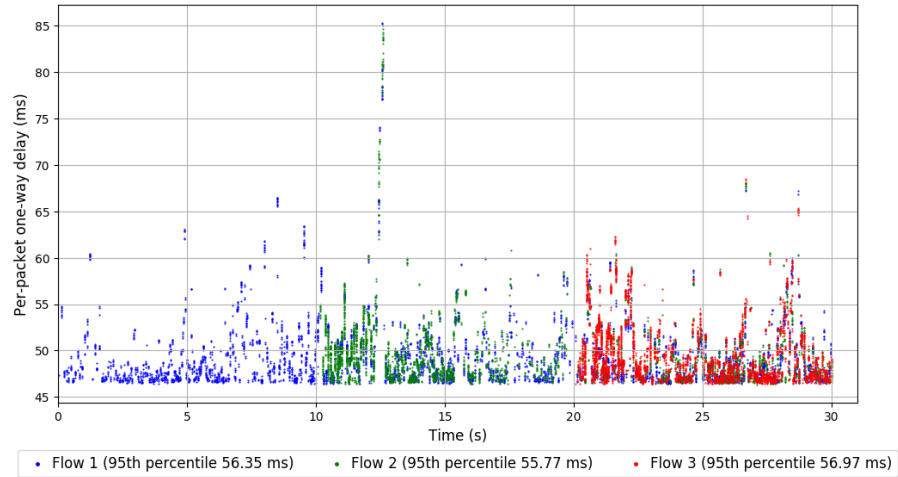
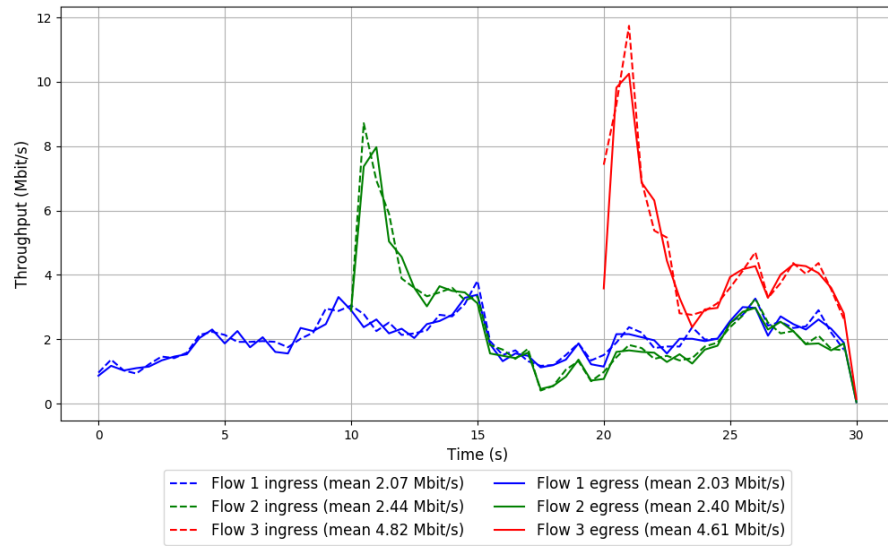


Run 8: Statistics of TCP Cubic

Start at: 2017-12-01 12:41:25
End at: 2017-12-01 12:41:55
Local clock offset: 6.575 ms
Remote clock offset: -4.101 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 56.459 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 56.354 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 55.772 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 56.973 ms
Loss rate: 4.36%

Run 8: Report of TCP Cubic — Data Link

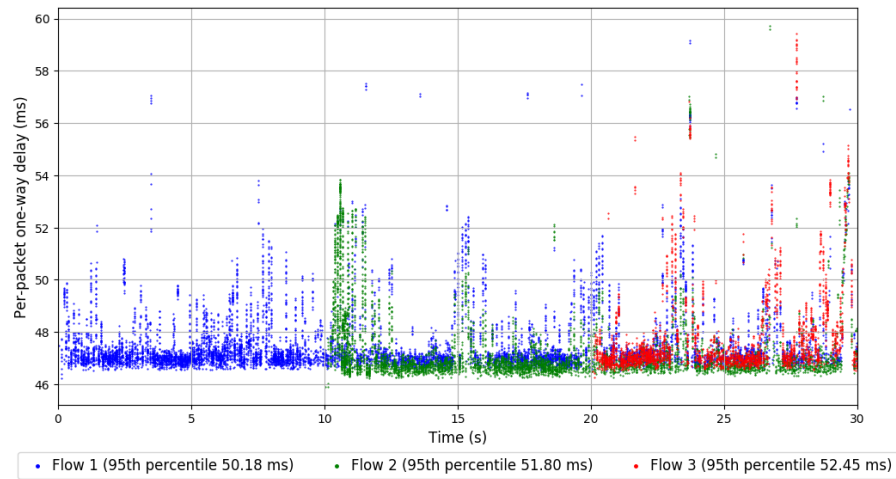
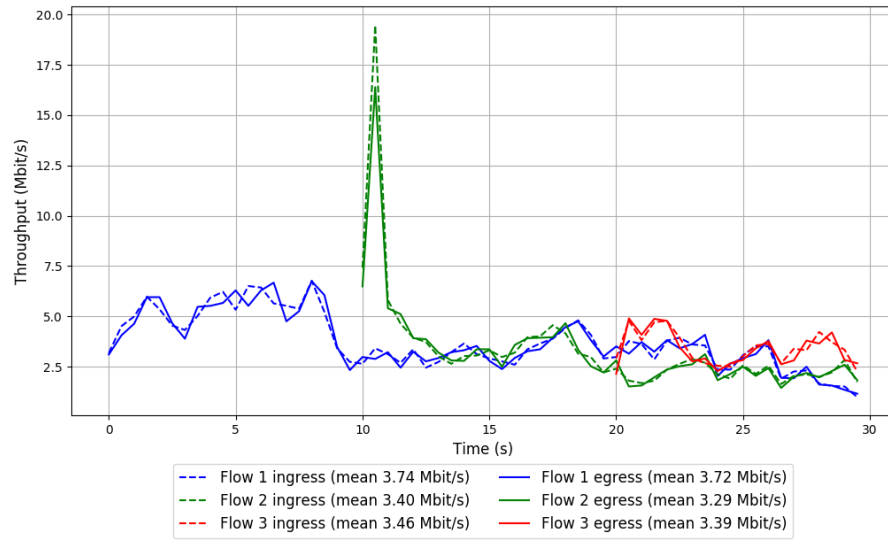


Run 9: Statistics of TCP Cubic

Start at: 2017-12-01 12:59:55
End at: 2017-12-01 13:00:25
Local clock offset: 5.618 ms
Remote clock offset: -4.129 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 50.914 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 50.178 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 51.795 ms
Loss rate: 3.18%
-- Flow 3:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 52.455 ms
Loss rate: 1.82%

Run 9: Report of TCP Cubic — Data Link

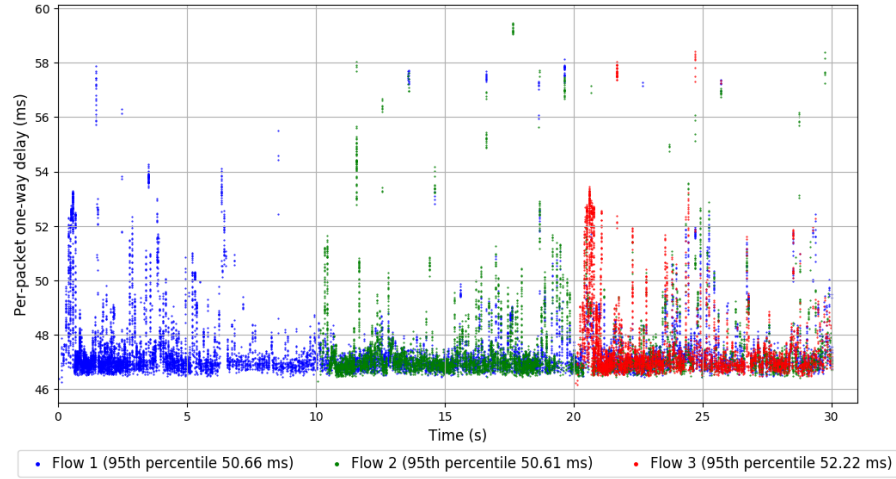
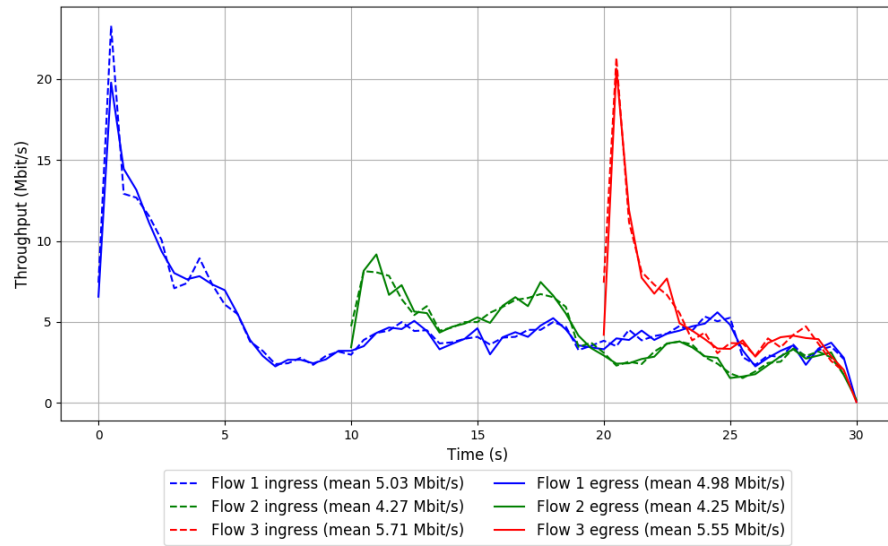


Run 10: Statistics of TCP Cubic

Start at: 2017-12-01 13:18:48
End at: 2017-12-01 13:19:18
Local clock offset: 4.307 ms
Remote clock offset: -3.417 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 51.057 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 50.658 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 50.610 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 52.223 ms
Loss rate: 2.75%

Run 10: Report of TCP Cubic — Data Link

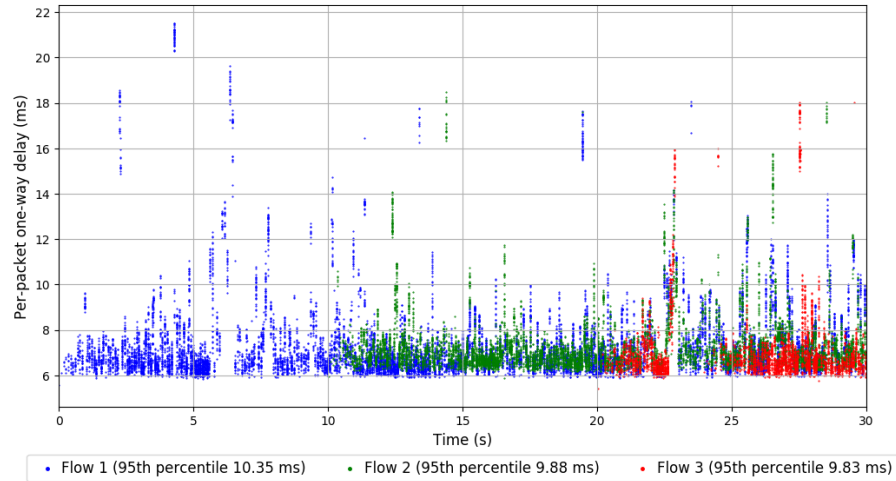
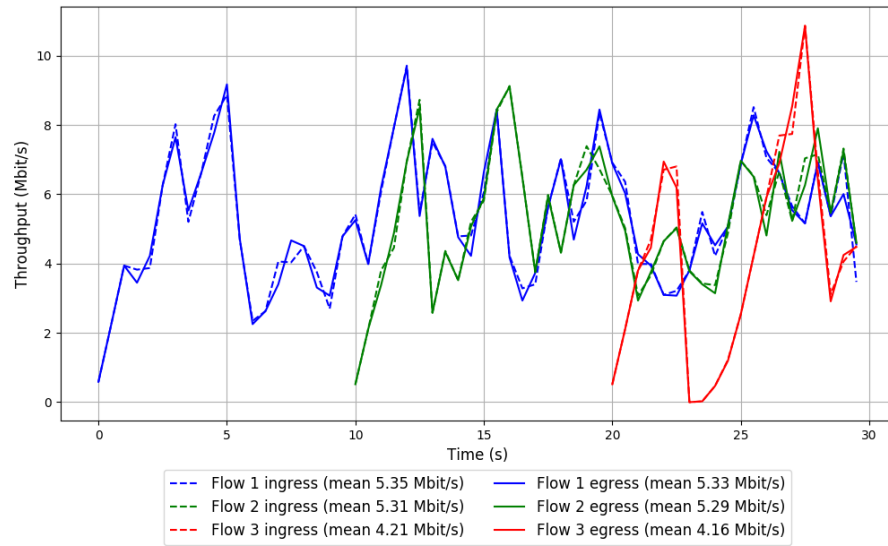


```
Run 1: Statistics of LEDBAT

Start at: 2017-12-01 10:21:59
End at: 2017-12-01 10:22:29
Local clock offset: 3.292 ms
Remote clock offset: -39.58 ms

# Below is generated by plot.py at 2017-12-01 13:40:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 10.105 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 10.350 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 9.882 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 9.832 ms
Loss rate: 1.09%
```

Run 1: Report of LEDBAT — Data Link

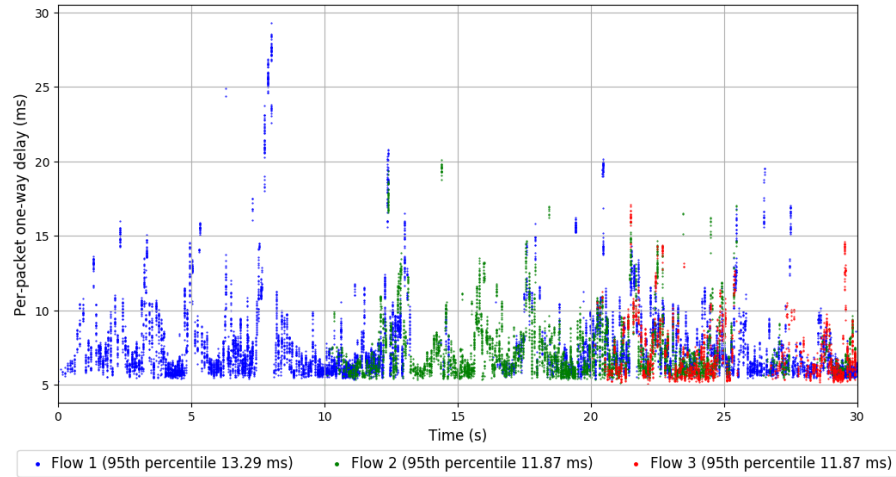
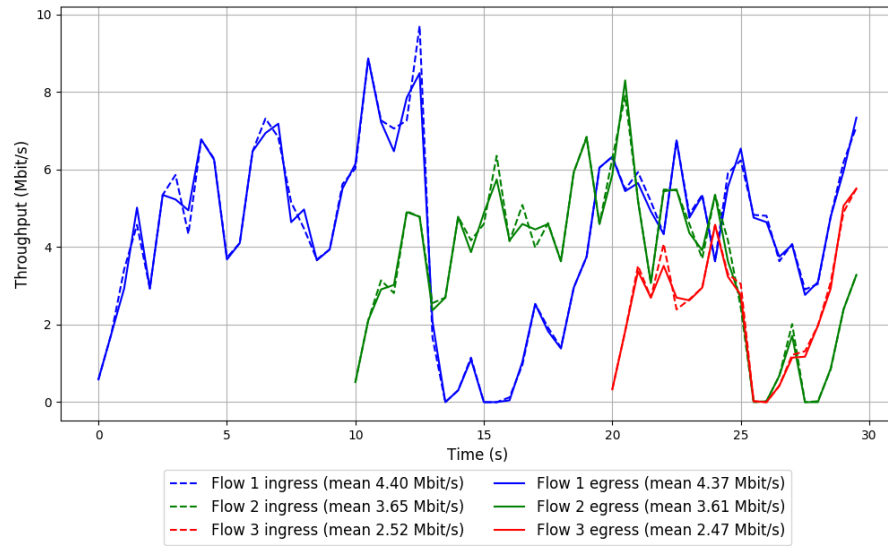


```
Run 2: Statistics of LEDBAT

Start at: 2017-12-01 10:40:08
End at: 2017-12-01 10:40:38
Local clock offset: 3.575 ms
Remote clock offset: -41.126 ms

# Below is generated by plot.py at 2017-12-01 13:40:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 12.642 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 13.287 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 11.874 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 11.869 ms
Loss rate: 1.98%
```

Run 2: Report of LEDBAT — Data Link

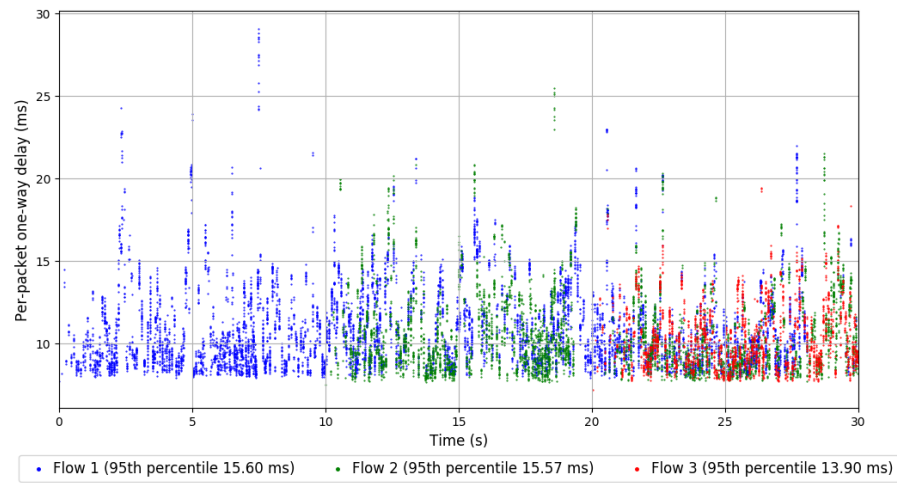
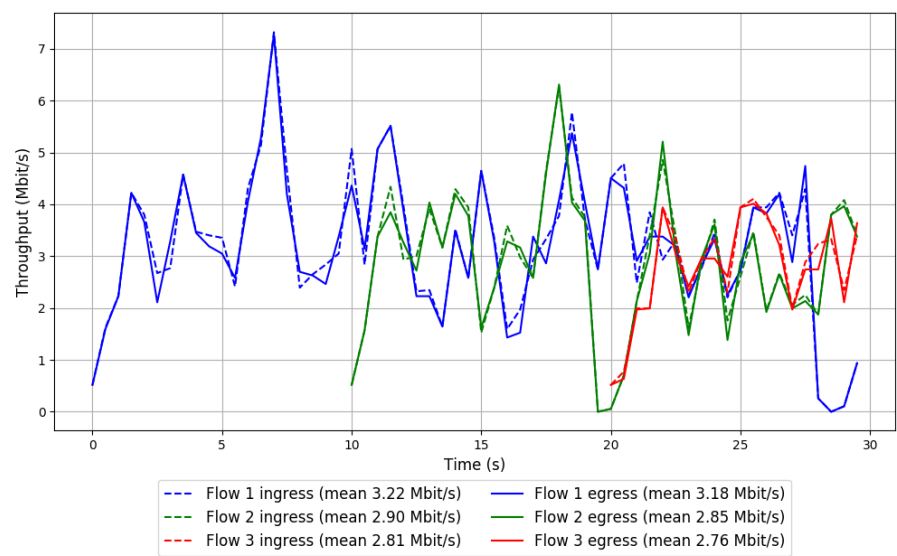


Run 3: Statistics of LEDBAT

Start at: 2017-12-01 10:58:40
End at: 2017-12-01 10:59:10
Local clock offset: 4.413 ms
Remote clock offset: -38.612 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 15.310 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 15.601 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 15.572 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 13.896 ms
Loss rate: 1.64%

Run 3: Report of LEDBAT — Data Link

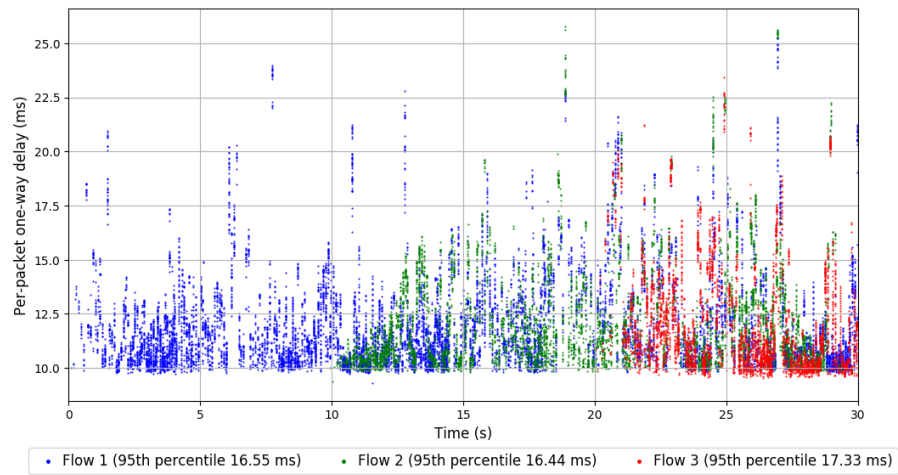
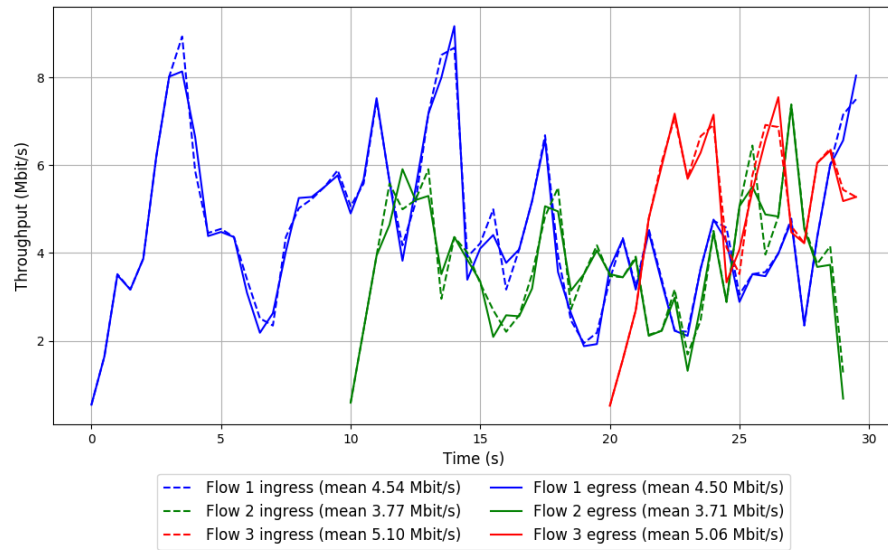


Run 4: Statistics of LEDBAT

Start at: 2017-12-01 11:16:32
End at: 2017-12-01 11:17:02
Local clock offset: 5.288 ms
Remote clock offset: -36.603 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 16.681 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 16.552 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 16.439 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 17.334 ms
Loss rate: 0.86%

Run 4: Report of LEDBAT — Data Link

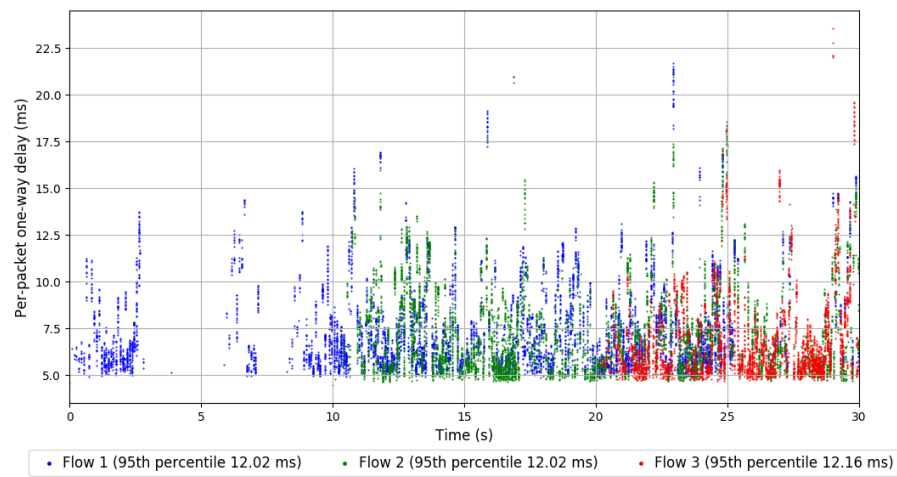
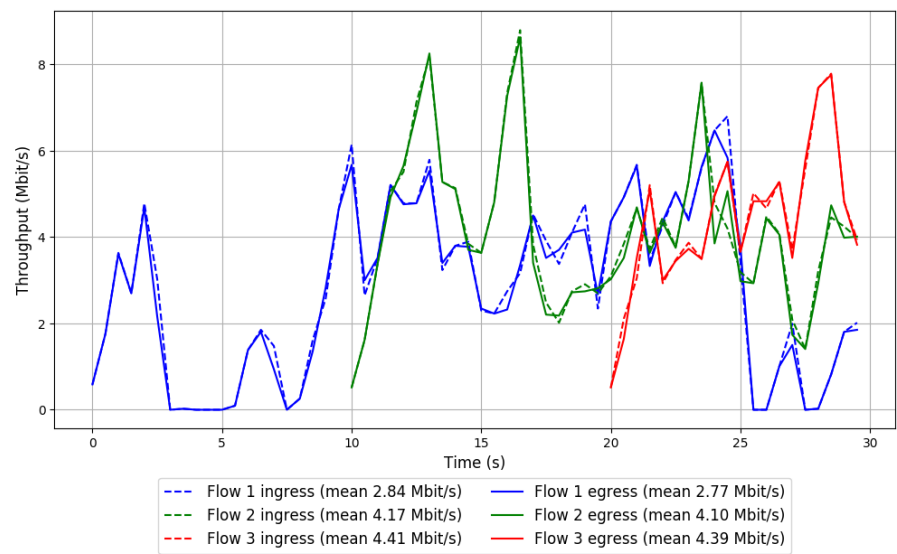


Run 5: Statistics of LEDBAT

Start at: 2017-12-01 11:34:42
End at: 2017-12-01 11:35:12
Local clock offset: 5.708 ms
Remote clock offset: -42.769 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 12.031 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 12.016 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 12.018 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 12.160 ms
Loss rate: 0.48%

Run 5: Report of LEDBAT — Data Link

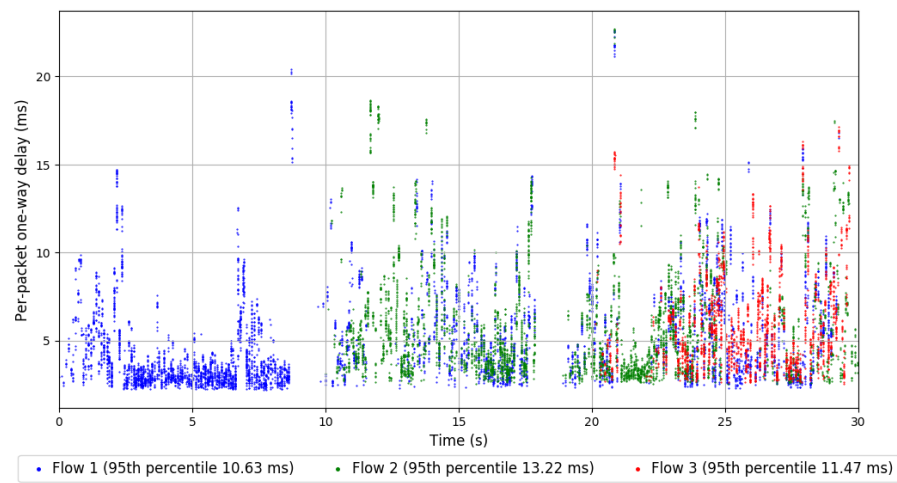
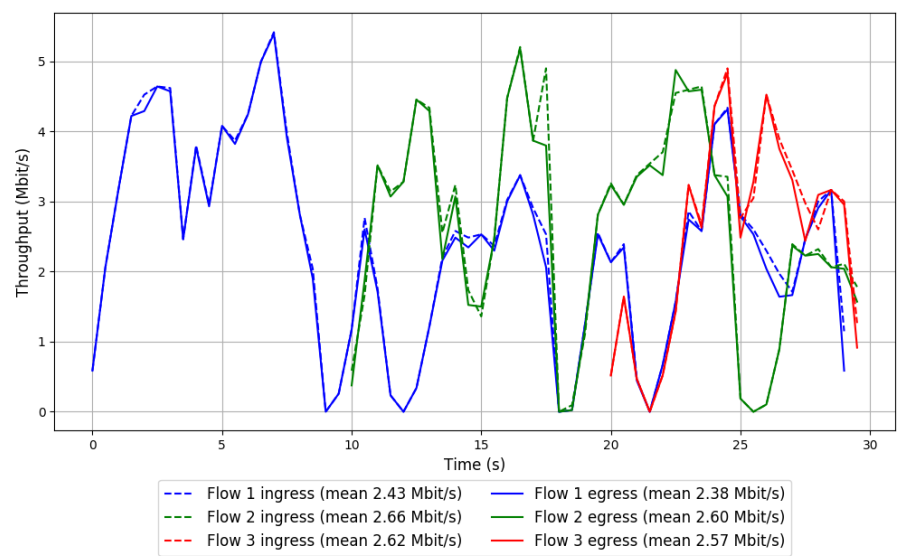


Run 6: Statistics of LEDBAT

Start at: 2017-12-01 11:53:32
End at: 2017-12-01 11:54:02
Local clock offset: 6.321 ms
Remote clock offset: -46.64 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 11.831 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 10.631 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 13.219 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 11.468 ms
Loss rate: 1.77%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

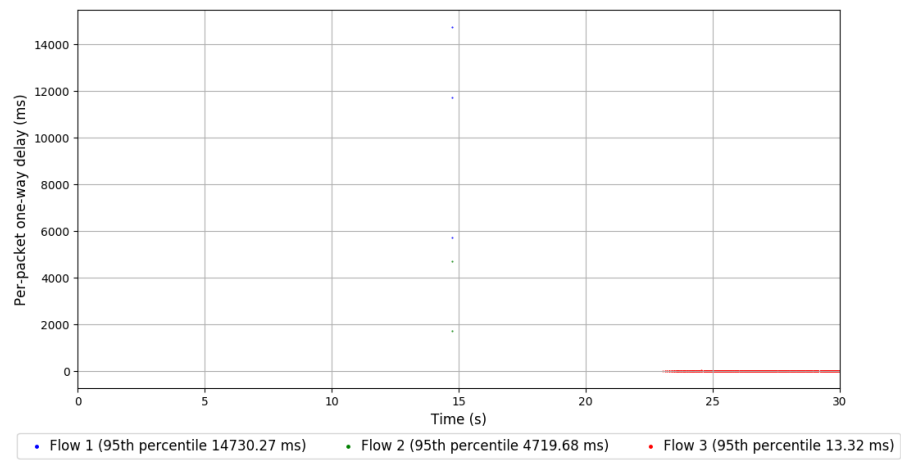
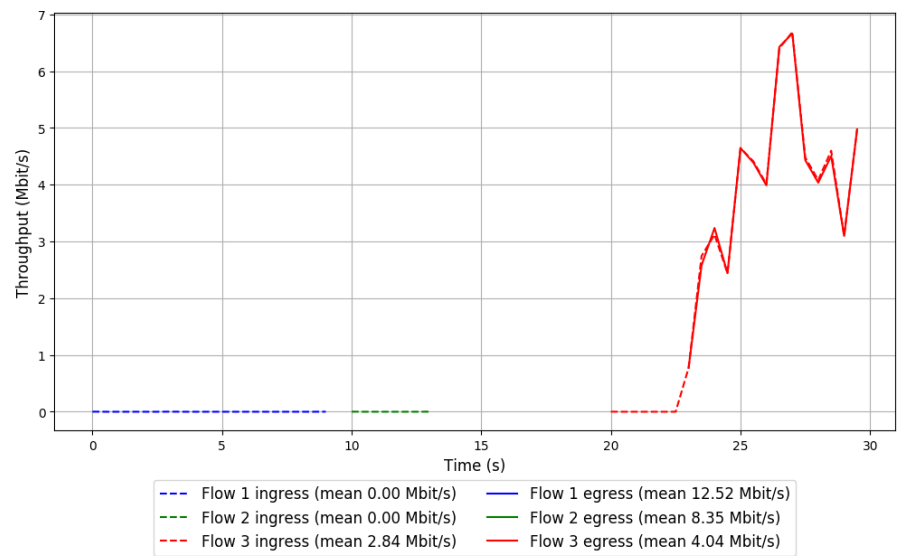
Start at: 2017-12-01 12:11:30

End at: 2017-12-01 12:12:00

Local clock offset: 6.989 ms

Remote clock offset: -43.208 ms

Run 7: Report of LEDBAT — Data Link

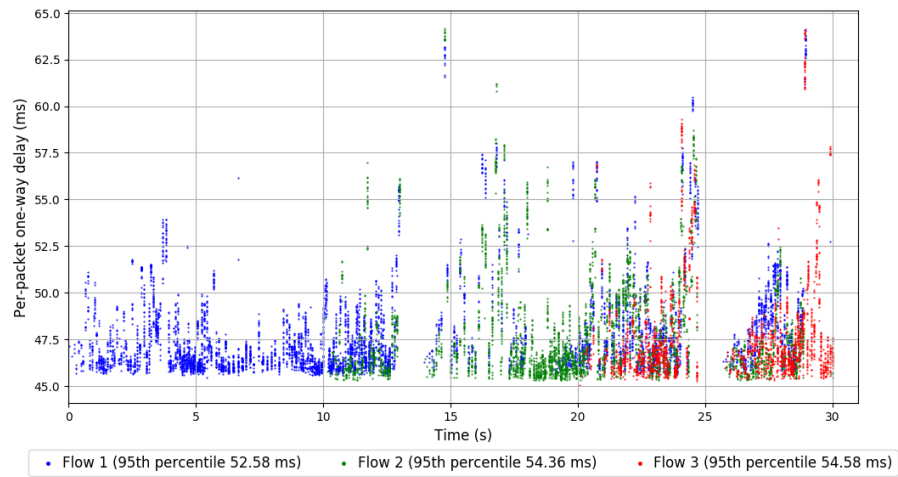
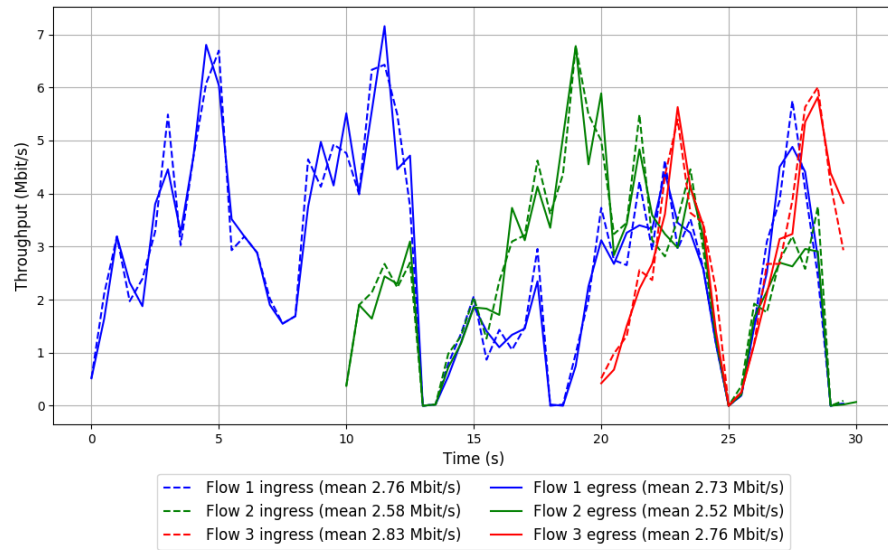


Run 8: Statistics of LEDBAT

Start at: 2017-12-01 12:29:39
End at: 2017-12-01 12:30:09
Local clock offset: 6.969 ms
Remote clock offset: -4.617 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 53.791 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 52.575 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 54.360 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 54.580 ms
Loss rate: 2.17%

Run 8: Report of LEDBAT — Data Link

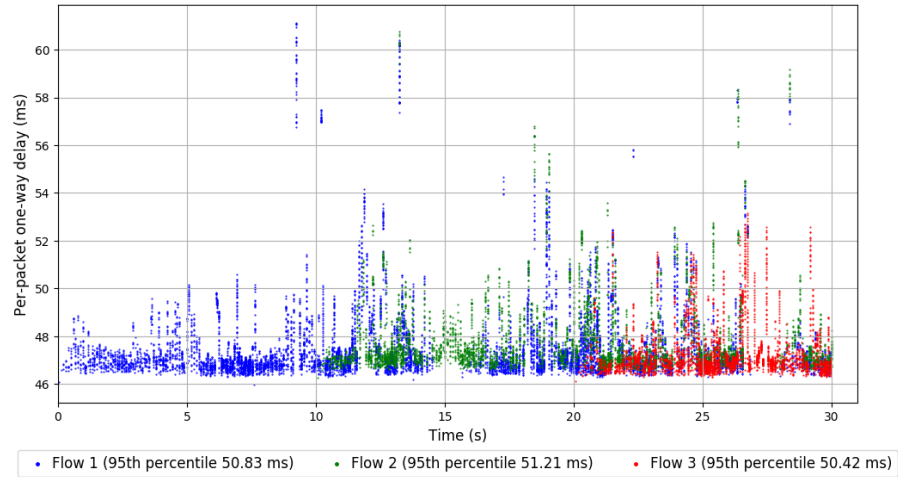
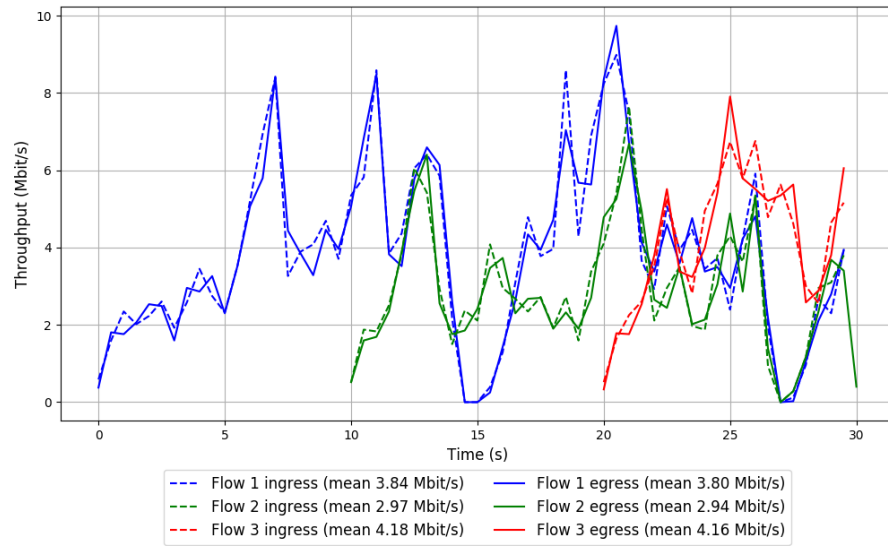


Run 9: Statistics of LEDBAT

Start at: 2017-12-01 12:51:05
End at: 2017-12-01 12:51:35
Local clock offset: 6.151 ms
Remote clock offset: -4.138 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 50.849 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 50.830 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 51.208 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 50.425 ms
Loss rate: 0.42%

Run 9: Report of LEDBAT — Data Link

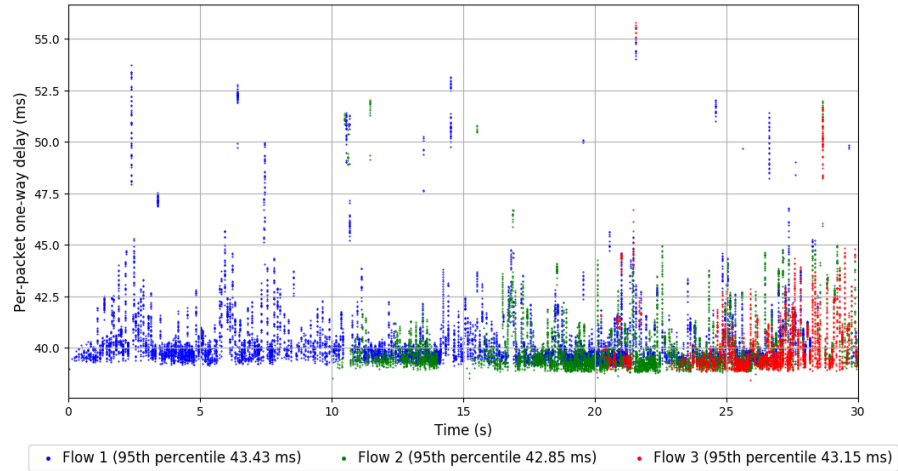
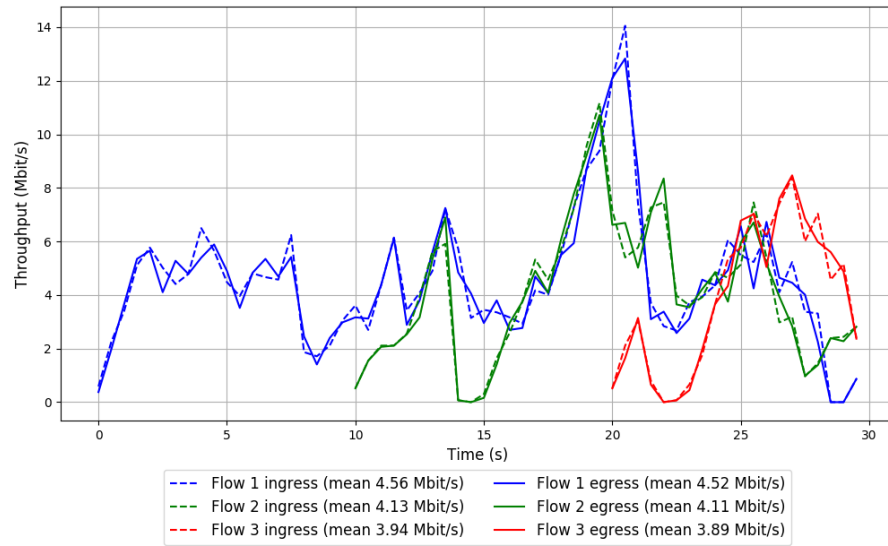


Run 10: Statistics of LEDBAT

Start at: 2017-12-01 13:09:09
End at: 2017-12-01 13:09:39
Local clock offset: 5.055 ms
Remote clock offset: -11.055 ms

Below is generated by plot.py at 2017-12-01 13:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 43.174 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 43.430 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 42.849 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 43.151 ms
Loss rate: 1.17%

Run 10: Report of LEDBAT — Data Link

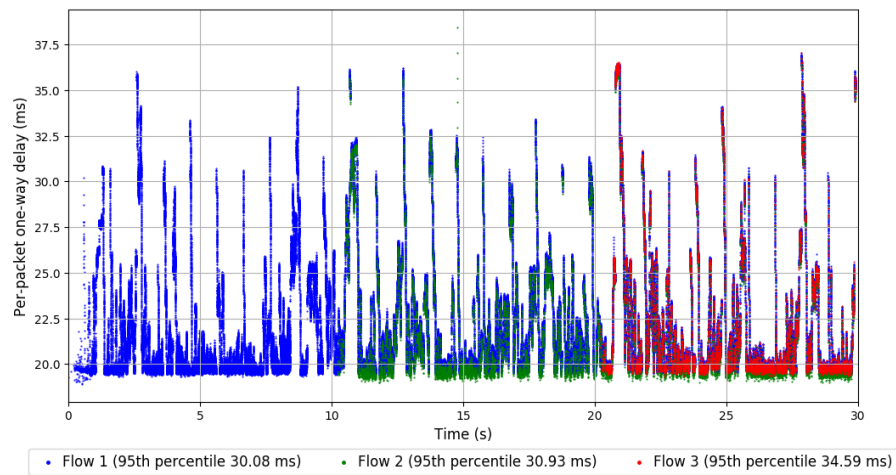
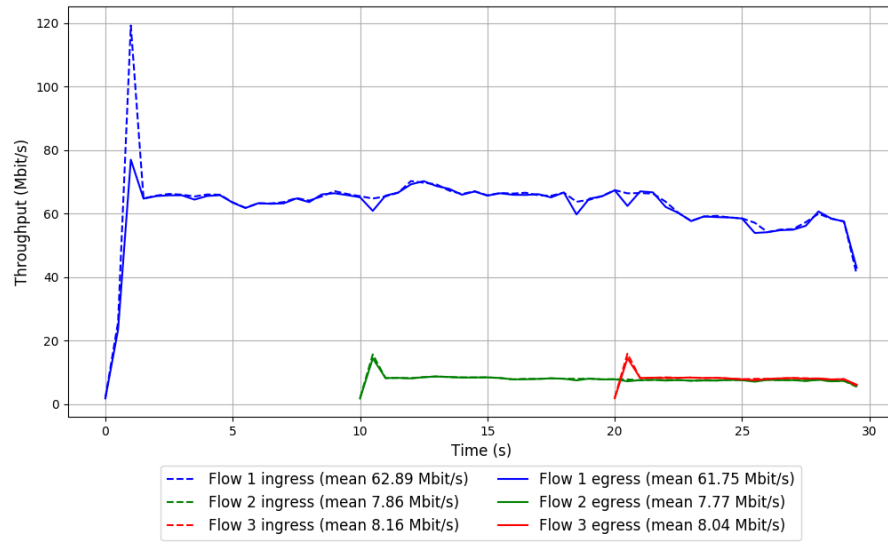


```
Run 1: Statistics of PCC

Start at: 2017-12-01 10:34:53
End at: 2017-12-01 10:35:23
Local clock offset: 3.311 ms
Remote clock offset: -27.057 ms

# Below is generated by plot.py at 2017-12-01 13:41:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 30.275 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 30.079 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 30.927 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 34.591 ms
Loss rate: 1.30%
```

Run 1: Report of PCC — Data Link

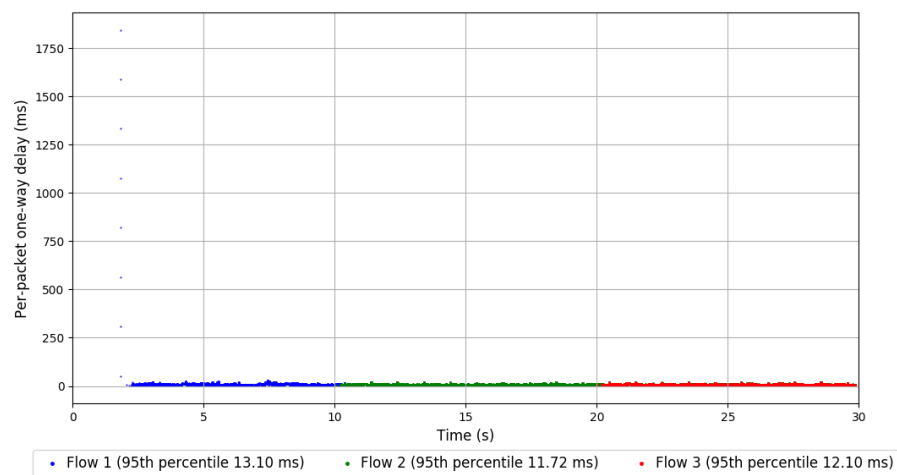
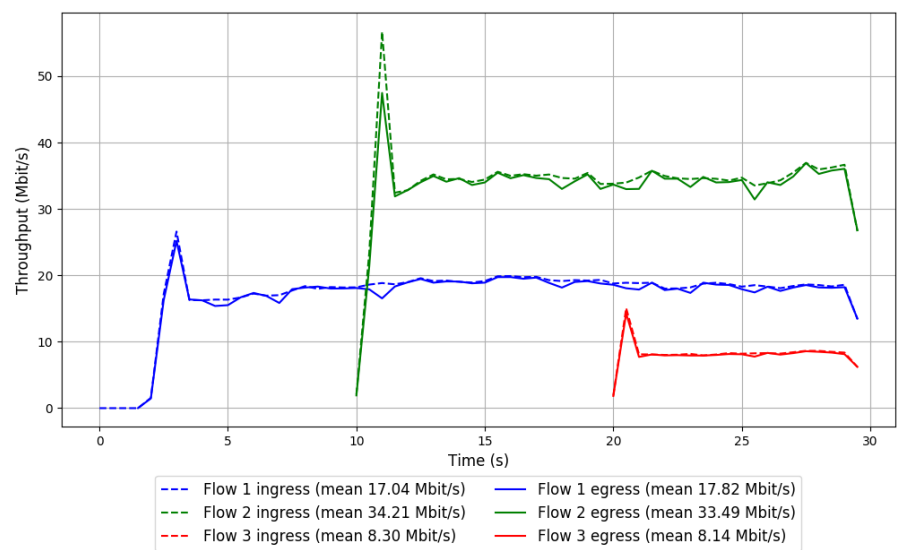


Run 2: Statistics of PCC

Start at: 2017-12-01 10:53:11
End at: 2017-12-01 10:53:41
Local clock offset: 3.914 ms
Remote clock offset: -43.364 ms

Below is generated by plot.py at 2017-12-01 13:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.40 Mbit/s
95th percentile per-packet one-way delay: 12.391 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 17.82 Mbit/s
95th percentile per-packet one-way delay: 13.101 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 11.724 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 12.103 ms
Loss rate: 2.00%

Run 2: Report of PCC — Data Link

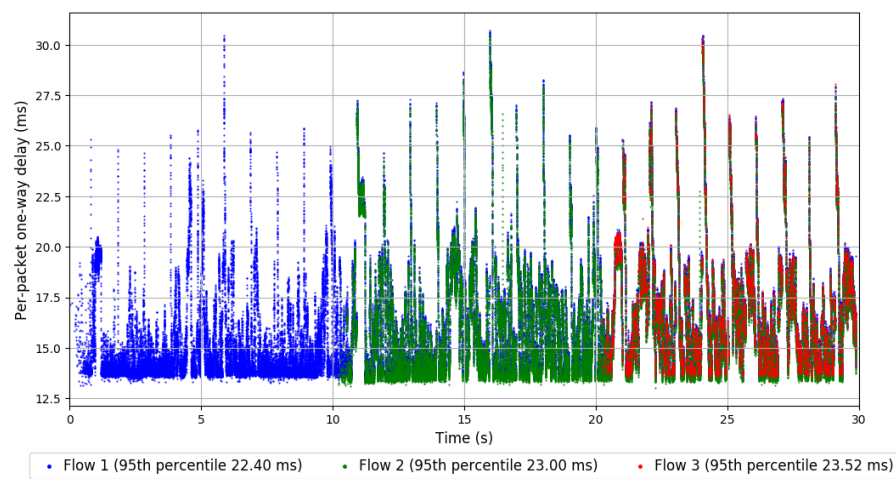
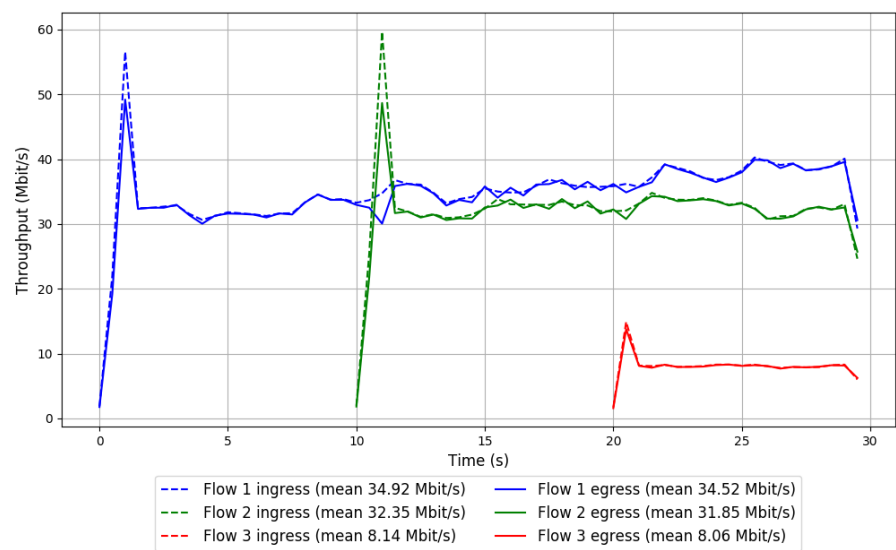


Run 3: Statistics of PCC

Start at: 2017-12-01 11:11:25
End at: 2017-12-01 11:11:55
Local clock offset: 4.982 ms
Remote clock offset: -32.896 ms

Below is generated by plot.py at 2017-12-01 13:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 22.816 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 22.403 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 23.005 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 23.518 ms
Loss rate: 1.07%

Run 3: Report of PCC — Data Link

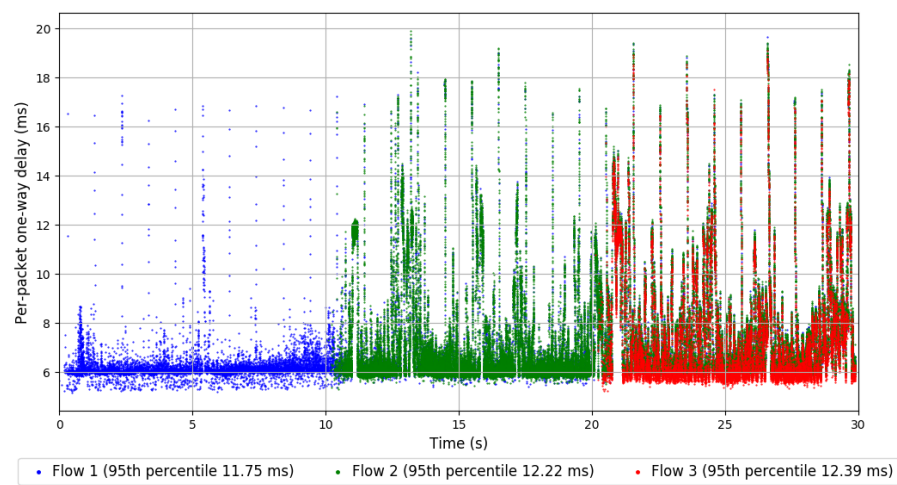
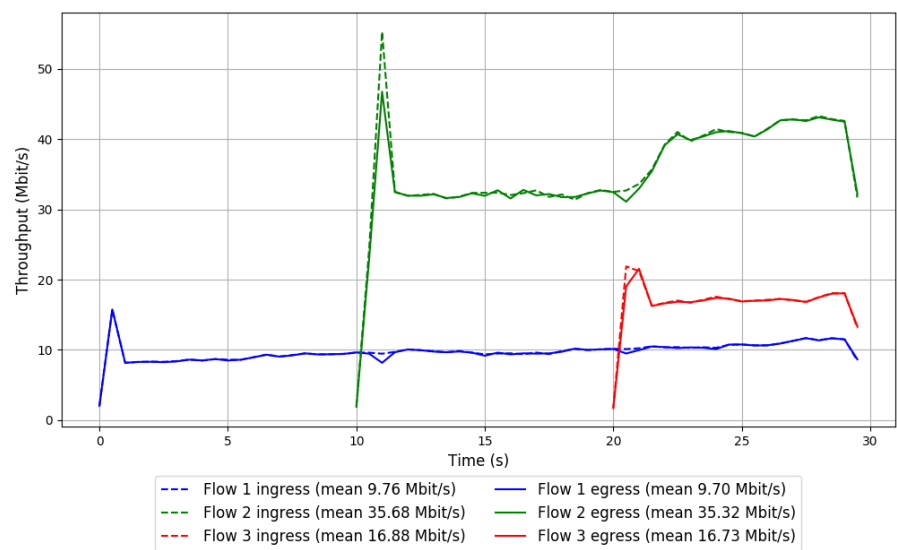


Run 4: Statistics of PCC

Start at: 2017-12-01 11:29:30
End at: 2017-12-01 11:30:00
Local clock offset: 5.673 ms
Remote clock offset: -41.303 ms

Below is generated by plot.py at 2017-12-01 13:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 12.125 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 11.749 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 12.220 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 16.73 Mbit/s
95th percentile per-packet one-way delay: 12.388 ms
Loss rate: 0.90%

Run 4: Report of PCC — Data Link

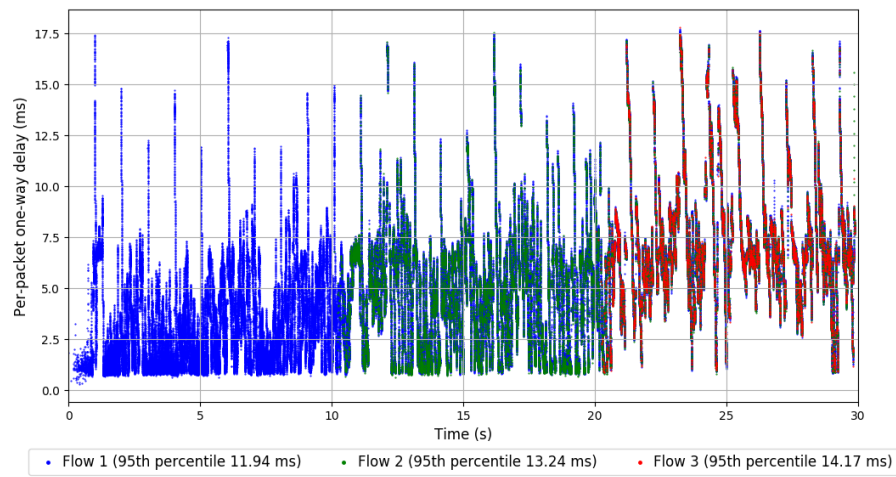
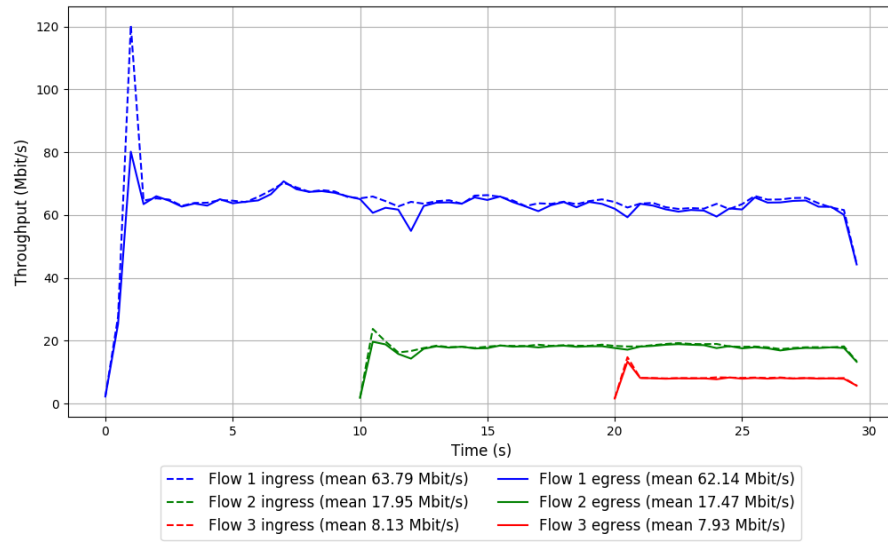


Run 5: Statistics of PCC

Start at: 2017-12-01 11:48:00
End at: 2017-12-01 11:48:30
Local clock offset: 6.208 ms
Remote clock offset: -47.887 ms

Below is generated by plot.py at 2017-12-01 13:41:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: 12.378 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 62.14 Mbit/s
95th percentile per-packet one-way delay: 11.939 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 17.47 Mbit/s
95th percentile per-packet one-way delay: 13.243 ms
Loss rate: 2.64%
-- Flow 3:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 14.170 ms
Loss rate: 2.43%

Run 5: Report of PCC — Data Link

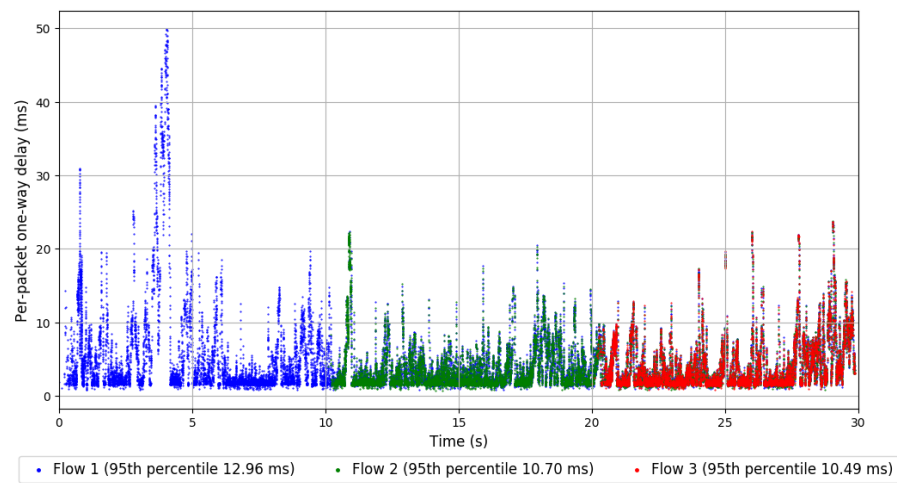
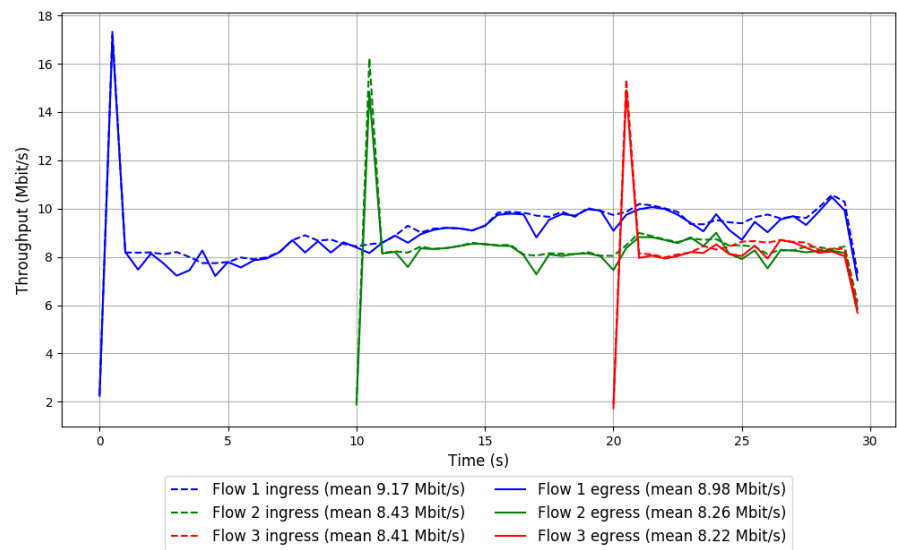


Run 6: Statistics of PCC

Start at: 2017-12-01 12:06:18
End at: 2017-12-01 12:06:48
Local clock offset: 7.016 ms
Remote clock offset: -48.465 ms

Below is generated by plot.py at 2017-12-01 13:41:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 11.817 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 12.960 ms
Loss rate: 2.10%
-- Flow 2:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 10.703 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 10.486 ms
Loss rate: 2.26%

Run 6: Report of PCC — Data Link

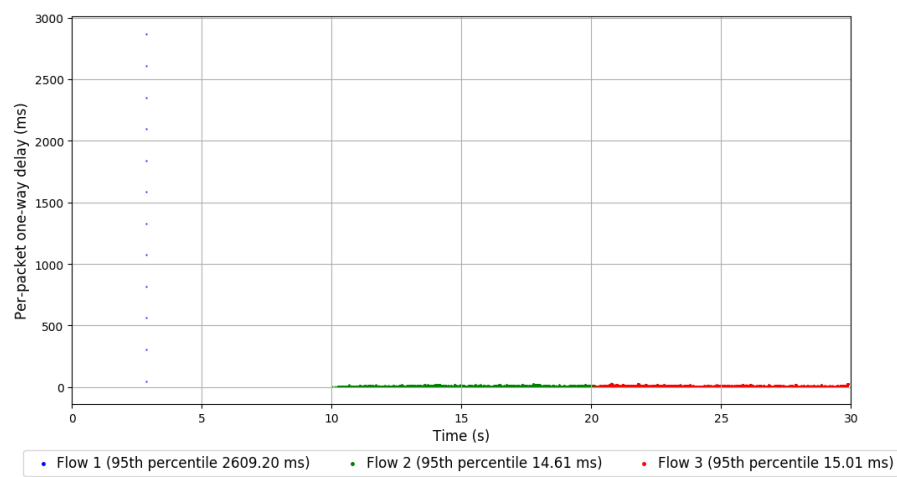
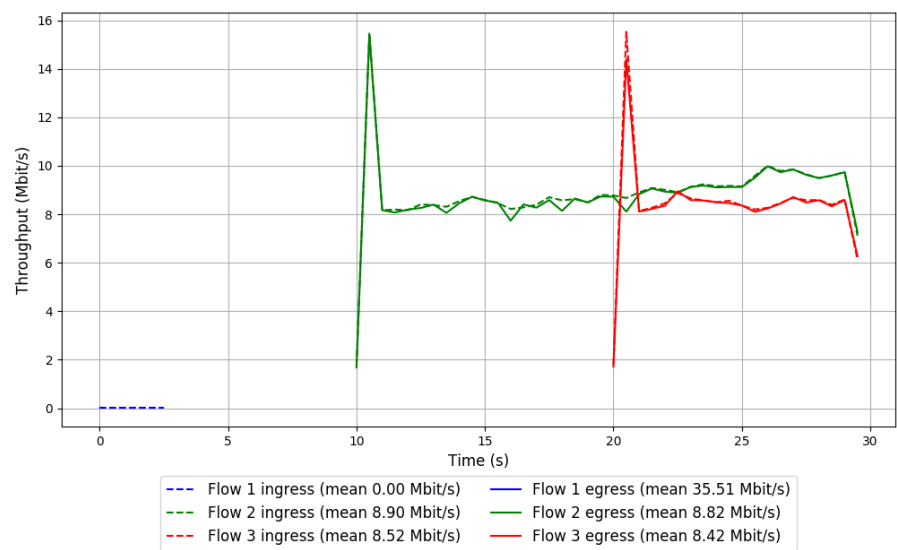


Run 7: Statistics of PCC

Start at: 2017-12-01 12:24:26
End at: 2017-12-01 12:24:56
Local clock offset: 7.279 ms
Remote clock offset: -42.076 ms

Below is generated by plot.py at 2017-12-01 13:41:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 14.846 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 2609.197 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 14.610 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 15.007 ms
Loss rate: 0.98%

Run 7: Report of PCC — Data Link

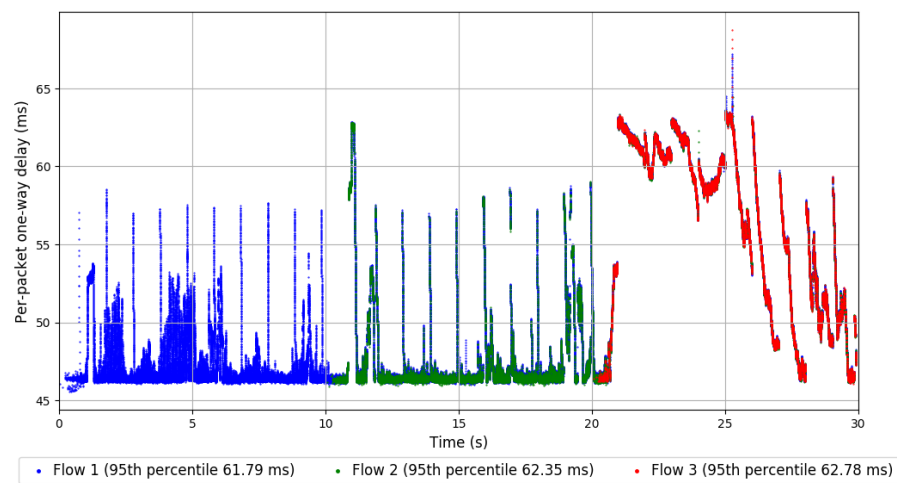
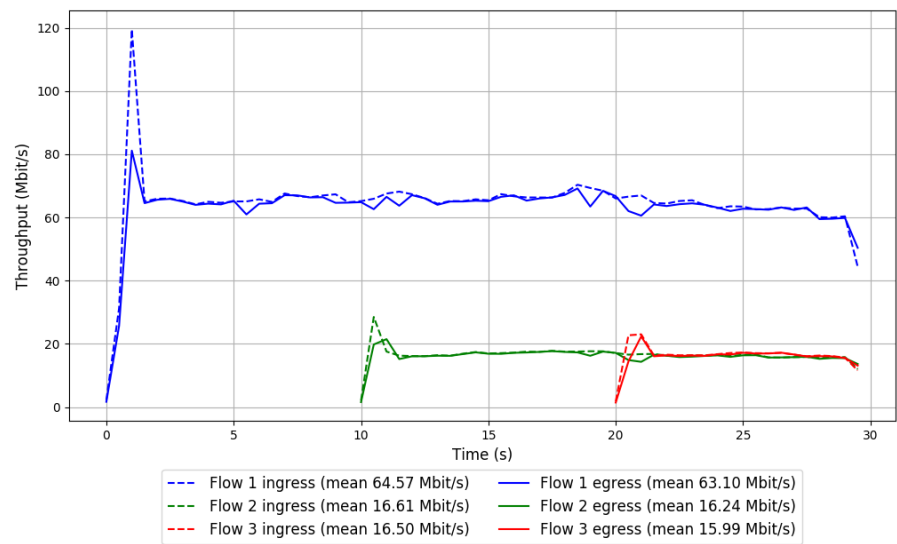


Run 8: Statistics of PCC

Start at: 2017-12-01 12:45:28
End at: 2017-12-01 12:45:58
Local clock offset: 6.428 ms
Remote clock offset: -4.124 ms

Below is generated by plot.py at 2017-12-01 13:41:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.17 Mbit/s
95th percentile per-packet one-way delay: 62.000 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 61.791 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 16.24 Mbit/s
95th percentile per-packet one-way delay: 62.352 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 62.776 ms
Loss rate: 3.07%

Run 8: Report of PCC — Data Link

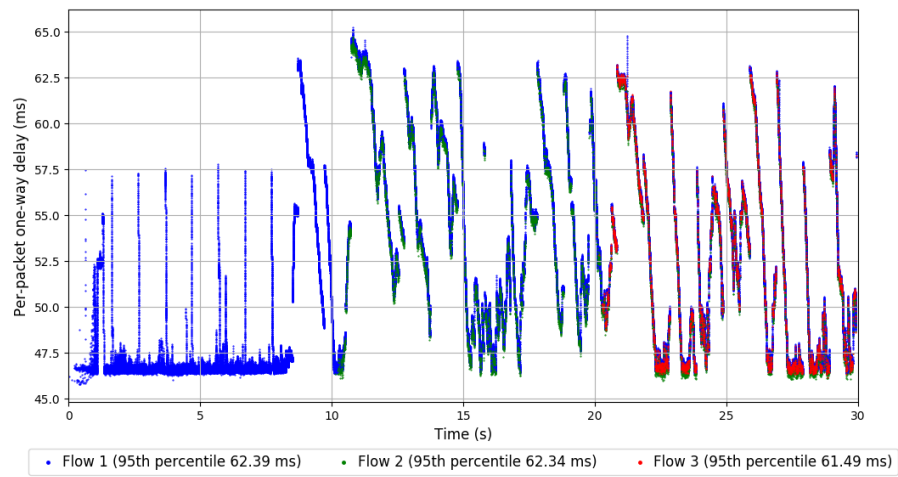
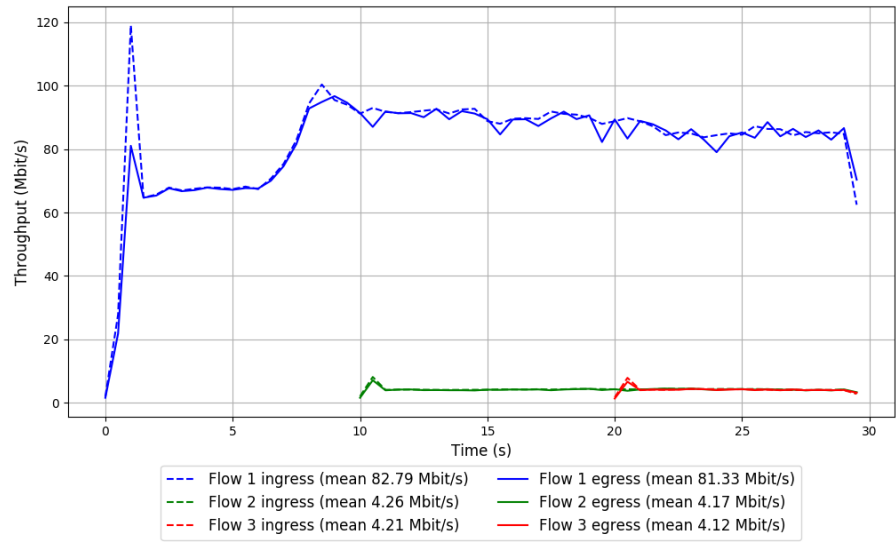


Run 9: Statistics of PCC

Start at: 2017-12-01 13:03:45
End at: 2017-12-01 13:04:15
Local clock offset: 5.472 ms
Remote clock offset: -4.041 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 62.380 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 62.390 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 62.344 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 61.495 ms
Loss rate: 2.19%

Run 9: Report of PCC — Data Link

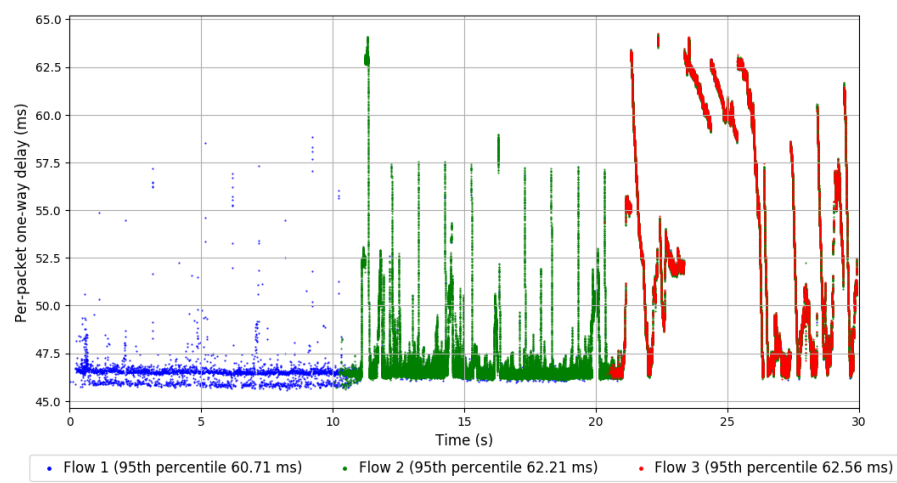
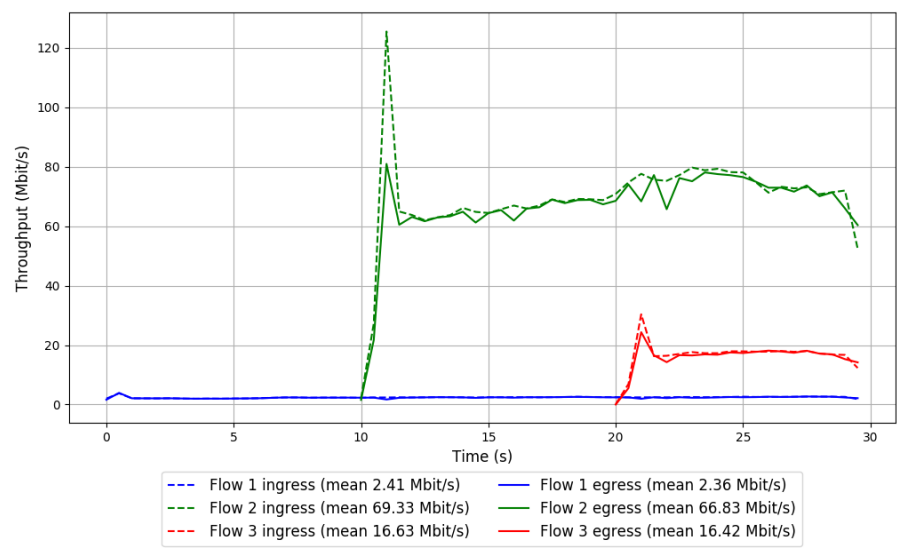


Run 10: Statistics of PCC

Start at: 2017-12-01 13:22:48
End at: 2017-12-01 13:23:18
Local clock offset: 4.121 ms
Remote clock offset: -3.406 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 62.235 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 60.714 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 66.83 Mbit/s
95th percentile per-packet one-way delay: 62.208 ms
Loss rate: 3.57%
-- Flow 3:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 62.557 ms
Loss rate: 3.78%

Run 10: Report of PCC — Data Link

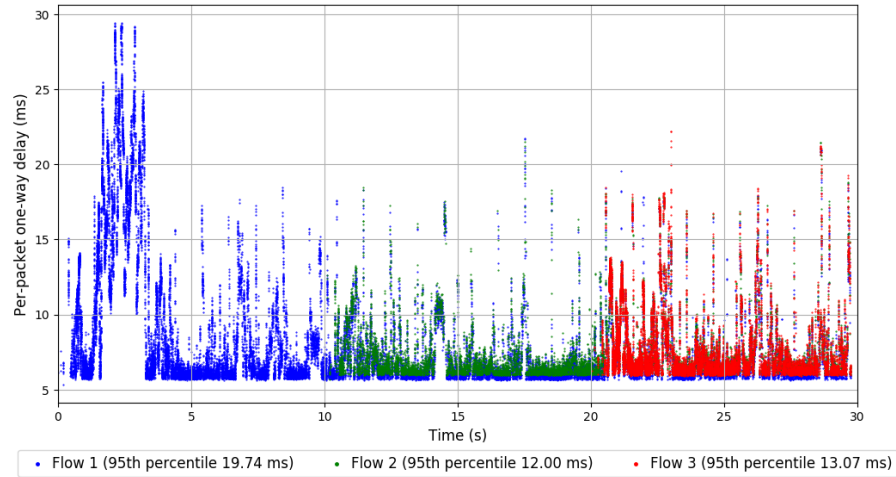
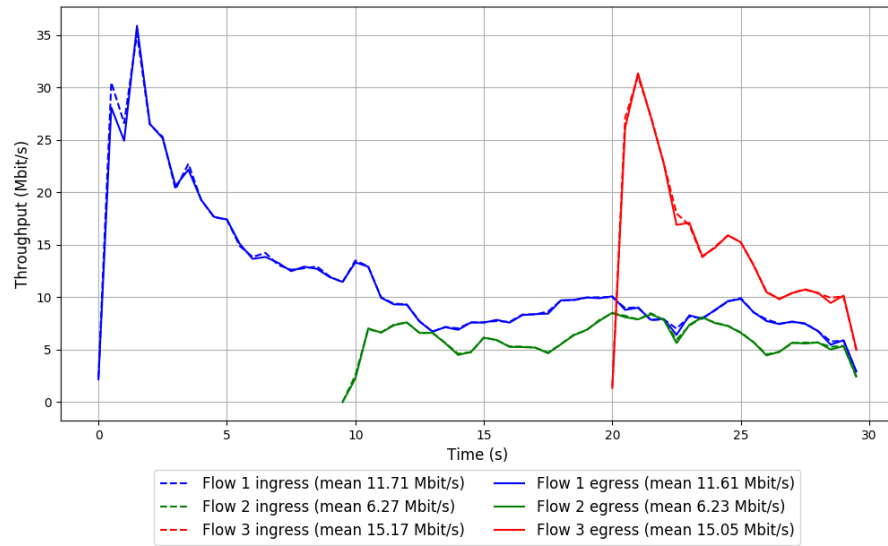


Run 1: Statistics of QUIC Cubic

Start at: 2017-12-01 10:36:17
End at: 2017-12-01 10:36:47
Local clock offset: 3.496 ms
Remote clock offset: -40.403 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.65 Mbit/s
95th percentile per-packet one-way delay: 17.010 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 19.740 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 6.23 Mbit/s
95th percentile per-packet one-way delay: 11.998 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 13.066 ms
Loss rate: 0.75%

Run 1: Report of QUIC Cubic — Data Link

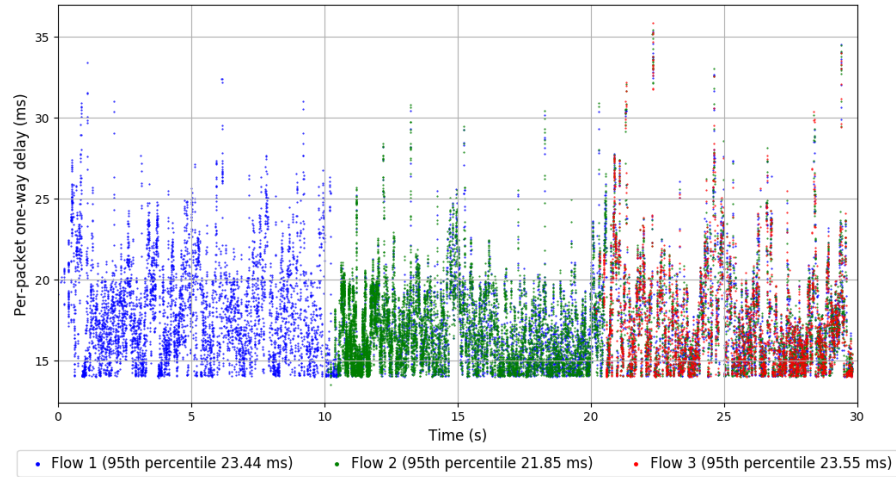
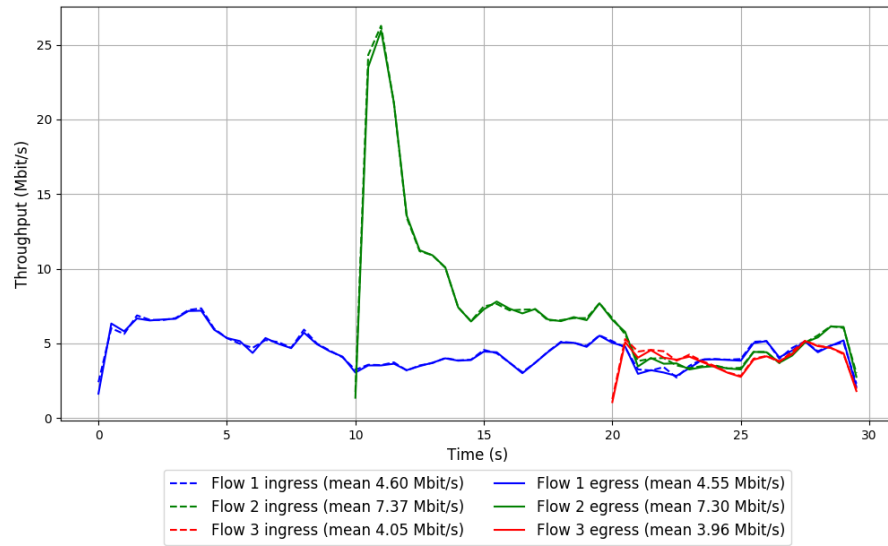


Run 2: Statistics of QUIC Cubic

Start at: 2017-12-01 10:54:40
End at: 2017-12-01 10:55:10
Local clock offset: 3.898 ms
Remote clock offset: -32.551 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 22.871 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 23.441 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 21.851 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 23.552 ms
Loss rate: 2.41%

Run 2: Report of QUIC Cubic — Data Link

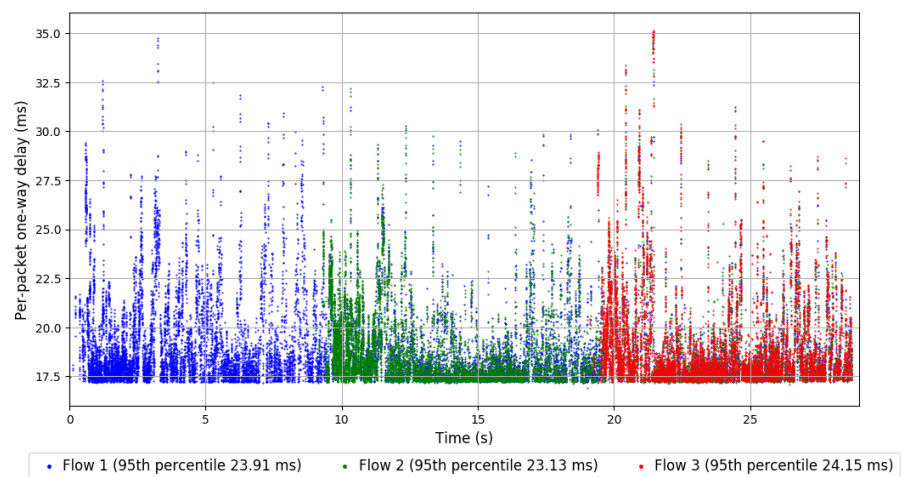
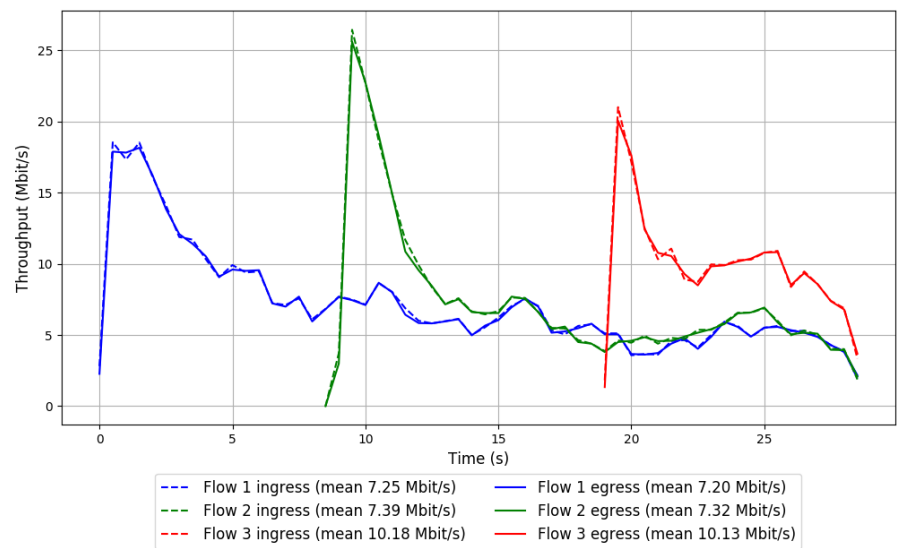


Run 3: Statistics of QUIC Cubic

Start at: 2017-12-01 11:12:45
End at: 2017-12-01 11:13:15
Local clock offset: 5.083 ms
Remote clock offset: -29.135 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 23.652 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 23.914 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 23.131 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 24.151 ms
Loss rate: 0.50%

Run 3: Report of QUIC Cubic — Data Link

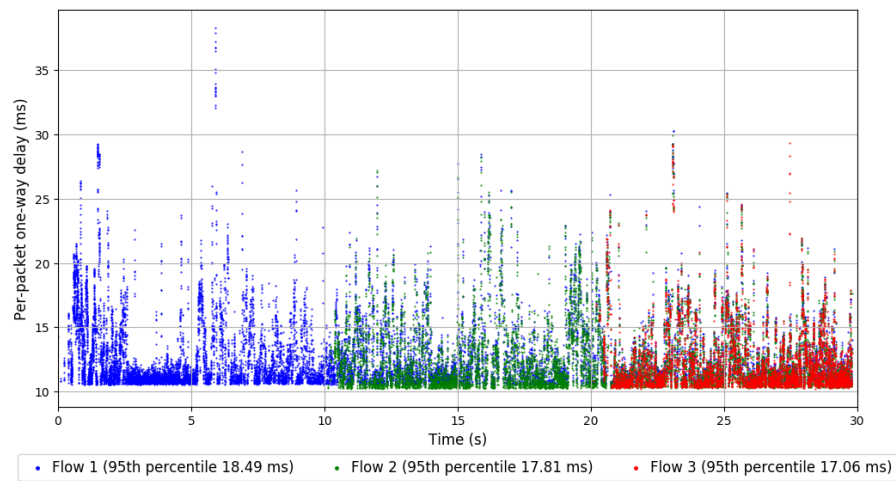
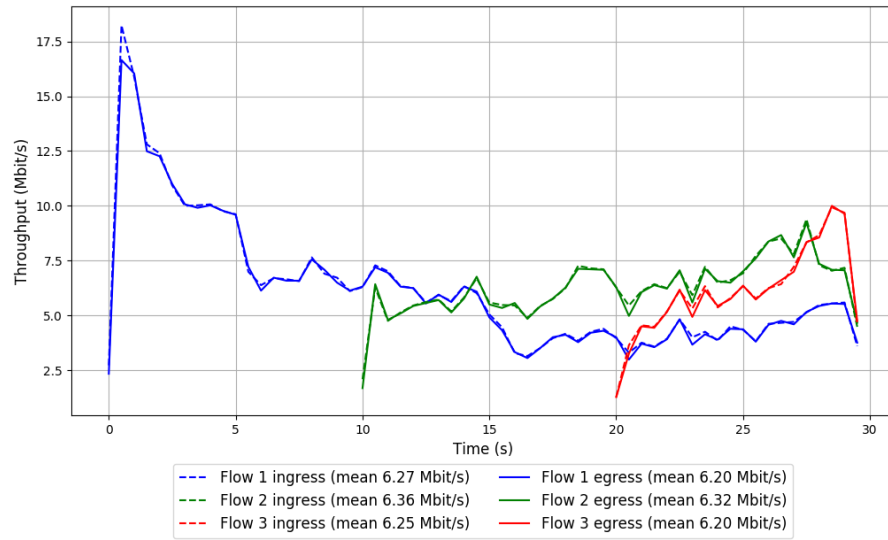


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-01 11:30:46
End at: 2017-12-01 11:31:16
Local clock offset: 5.713 ms
Remote clock offset: -36.593 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 18.016 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 18.493 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 17.808 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 17.062 ms
Loss rate: 0.82%

Run 4: Report of QUIC Cubic — Data Link

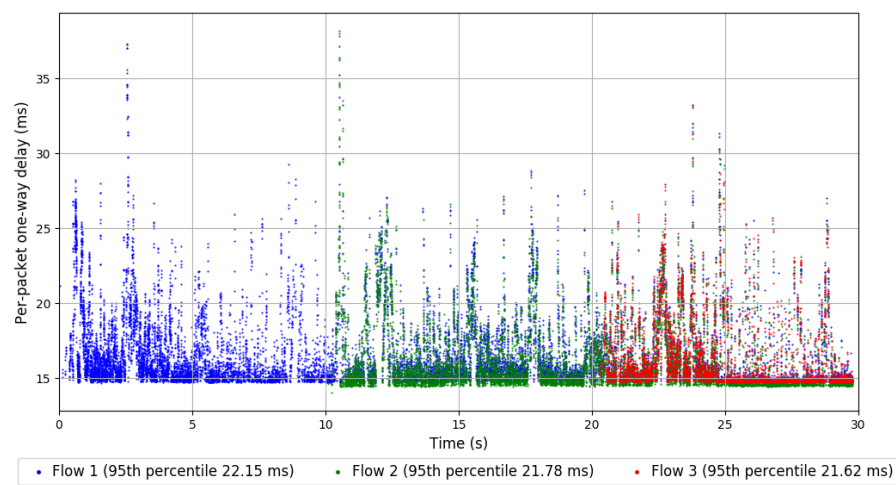
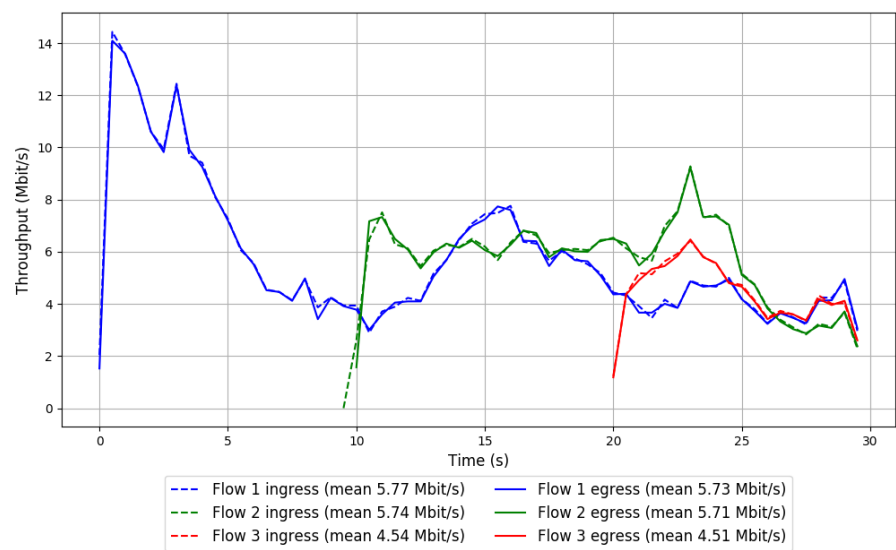


Run 5: Statistics of QUIC Cubic

Start at: 2017-12-01 11:49:26
End at: 2017-12-01 11:49:56
Local clock offset: 6.024 ms
Remote clock offset: -34.166 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 21.964 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 22.154 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 21.784 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 21.616 ms
Loss rate: 0.69%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

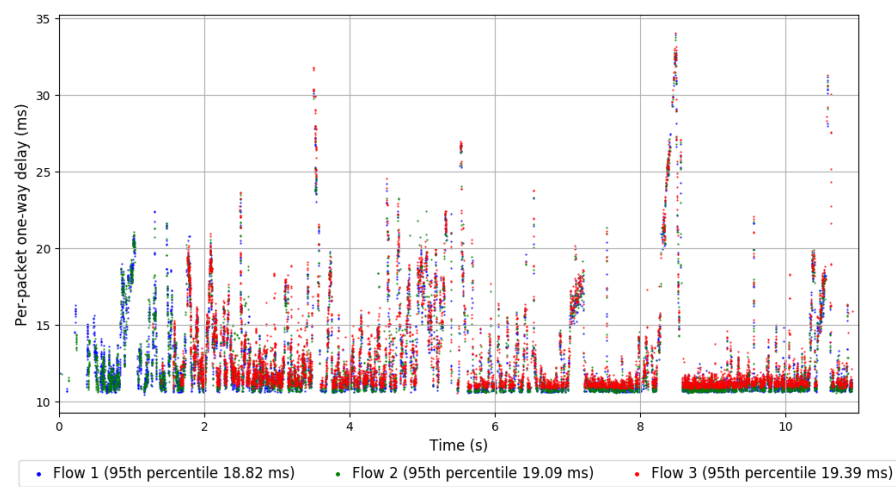
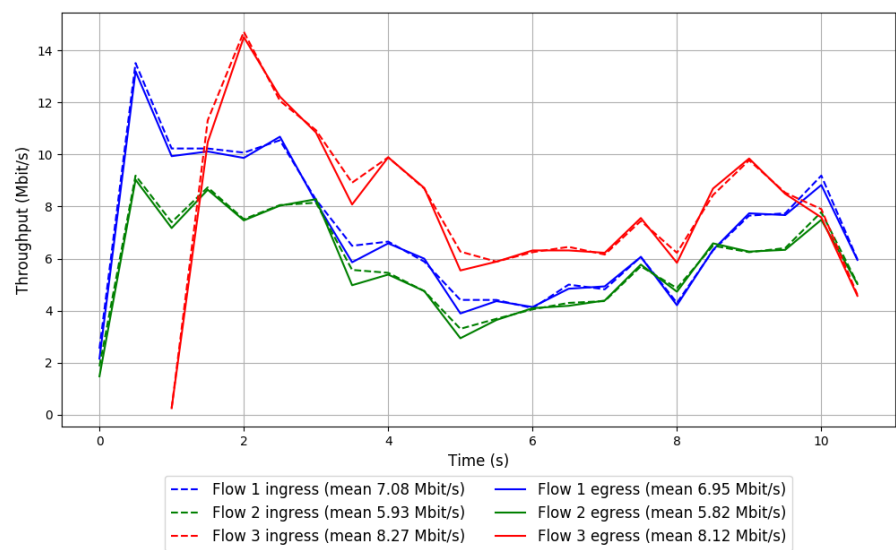
Start at: 2017-12-01 12:07:34

End at: 2017-12-01 12:08:05

Local clock offset: 6.756 ms

Remote clock offset: -39.169 ms

Run 6: Report of QUIC Cubic — Data Link

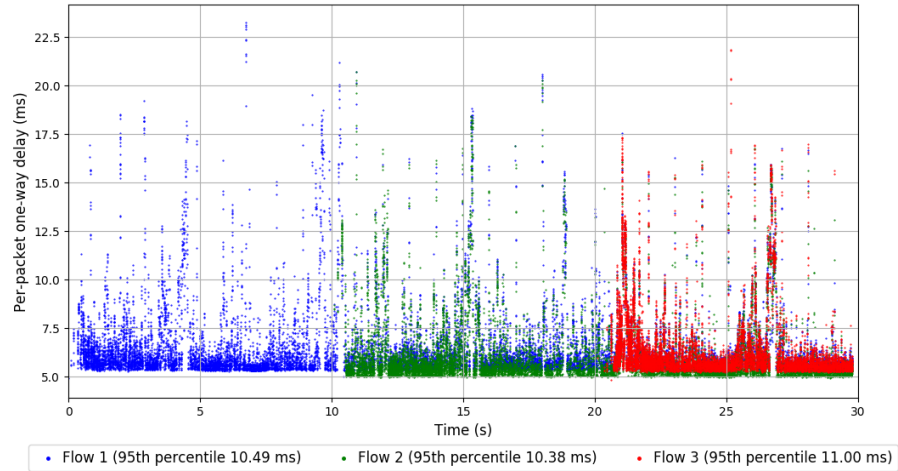
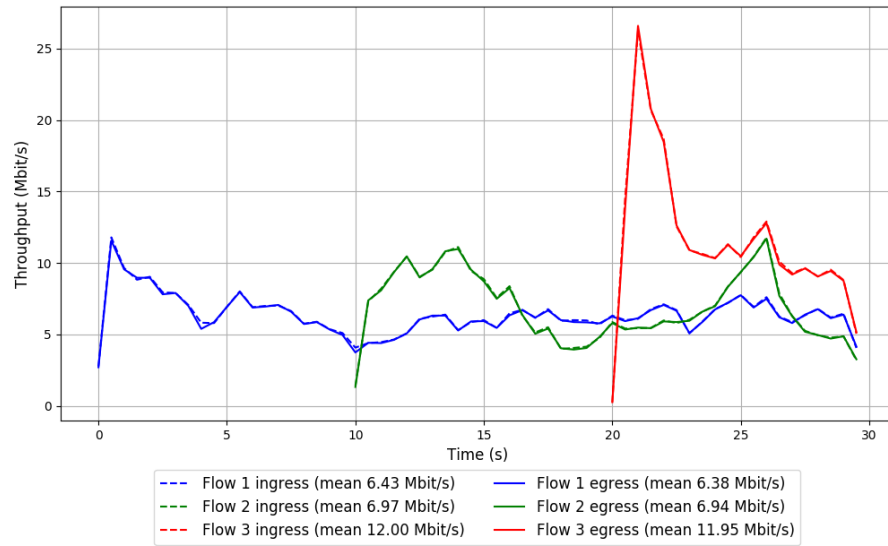


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-01 12:25:38
End at: 2017-12-01 12:26:08
Local clock offset: 7.255 ms
Remote clock offset: -44.748 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 10.638 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 10.495 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 10.382 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 11.001 ms
Loss rate: 0.45%

Run 7: Report of QUIC Cubic — Data Link

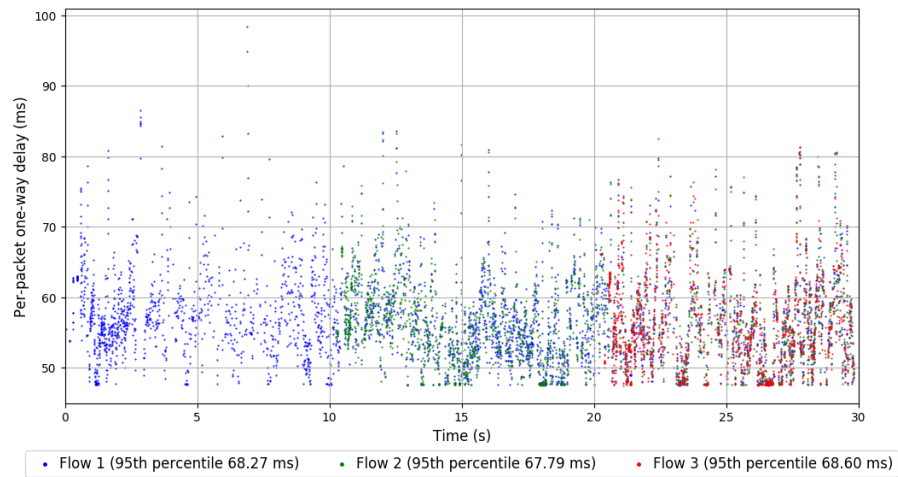
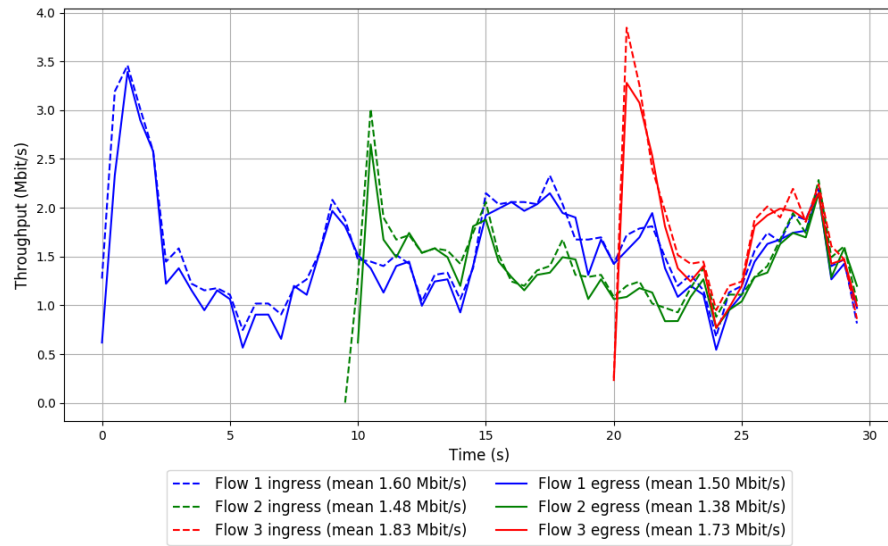


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-01 12:47:07
End at: 2017-12-01 12:47:37
Local clock offset: 6.274 ms
Remote clock offset: -2.833 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 68.155 ms
Loss rate: 6.39%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 68.268 ms
Loss rate: 6.68%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 67.792 ms
Loss rate: 6.35%
-- Flow 3:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 68.601 ms
Loss rate: 5.67%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-12-01 13:05:08

End at: 2017-12-01 13:05:38

Local clock offset: 5.31 ms

Remote clock offset: -4.23 ms

Below is generated by plot.py at 2017-12-01 13:42:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.30 Mbit/s

95th percentile per-packet one-way delay: 47.616 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 47.746 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 6.06 Mbit/s

95th percentile per-packet one-way delay: 47.482 ms

Loss rate: 0.49%

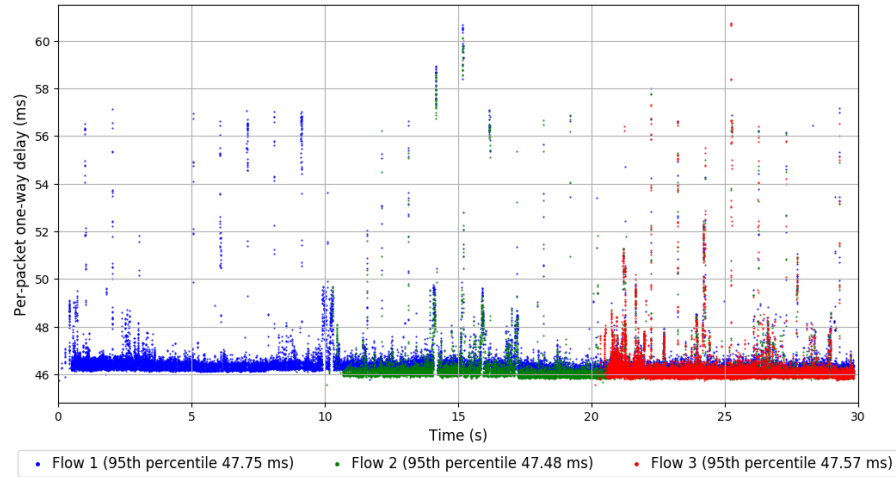
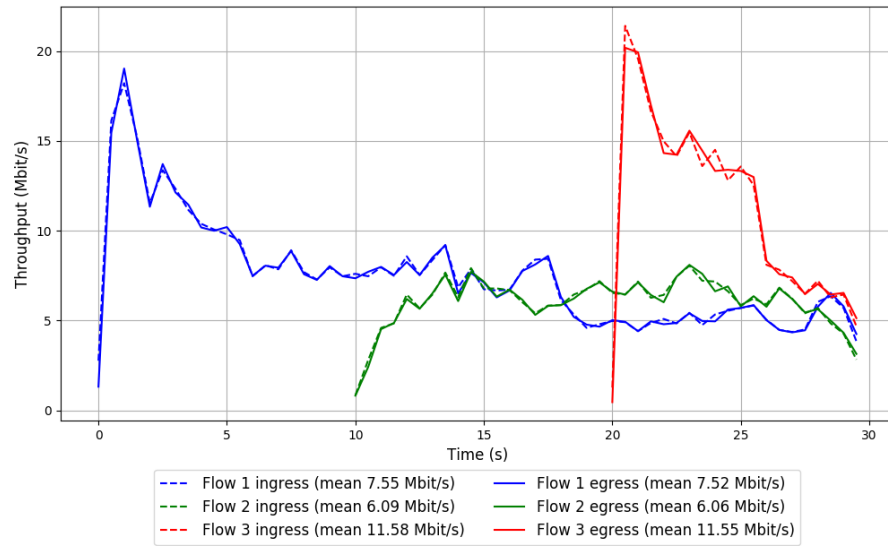
-- Flow 3:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 47.571 ms

Loss rate: 0.29%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-01 13:24:06

End at: 2017-12-01 13:24:36

Local clock offset: 4.022 ms

Remote clock offset: -3.3 ms

Below is generated by plot.py at 2017-12-01 13:42:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.25 Mbit/s

95th percentile per-packet one-way delay: 48.859 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 48.706 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 48.846 ms

Loss rate: 0.38%

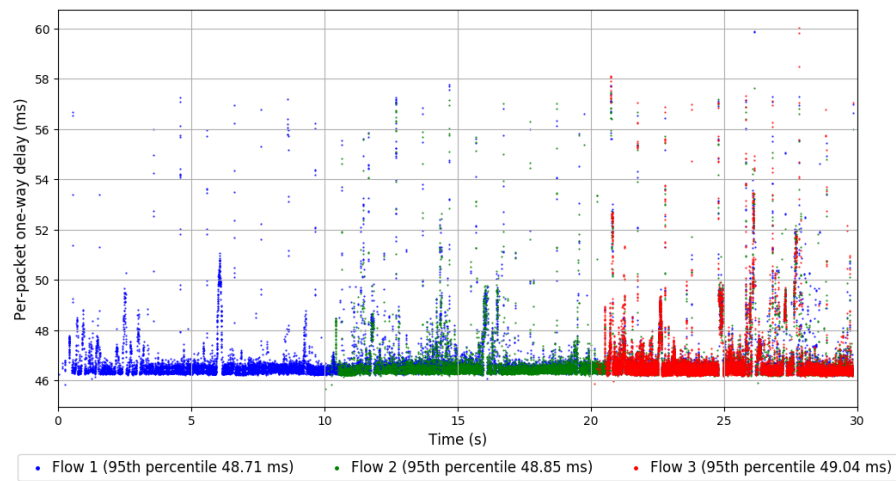
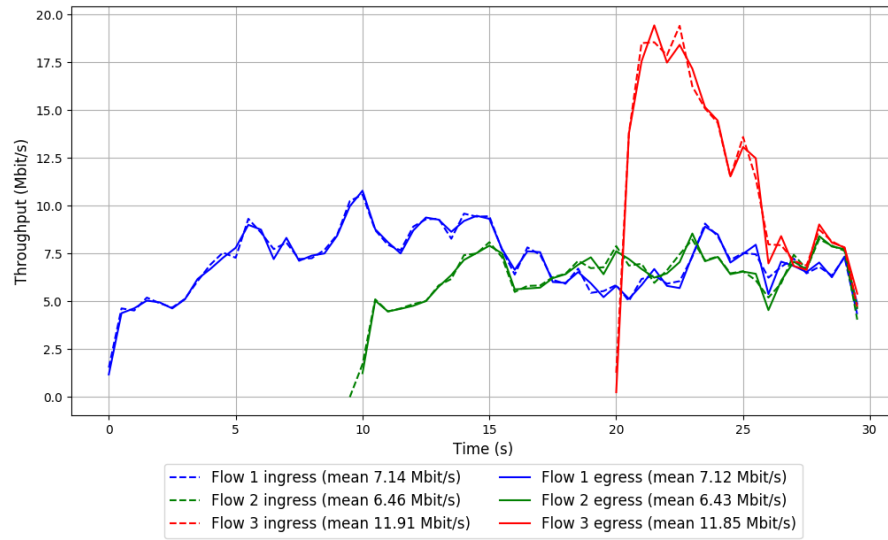
-- Flow 3:

Average throughput: 11.85 Mbit/s

95th percentile per-packet one-way delay: 49.043 ms

Loss rate: 0.41%

Run 10: Report of QUIC Cubic — Data Link

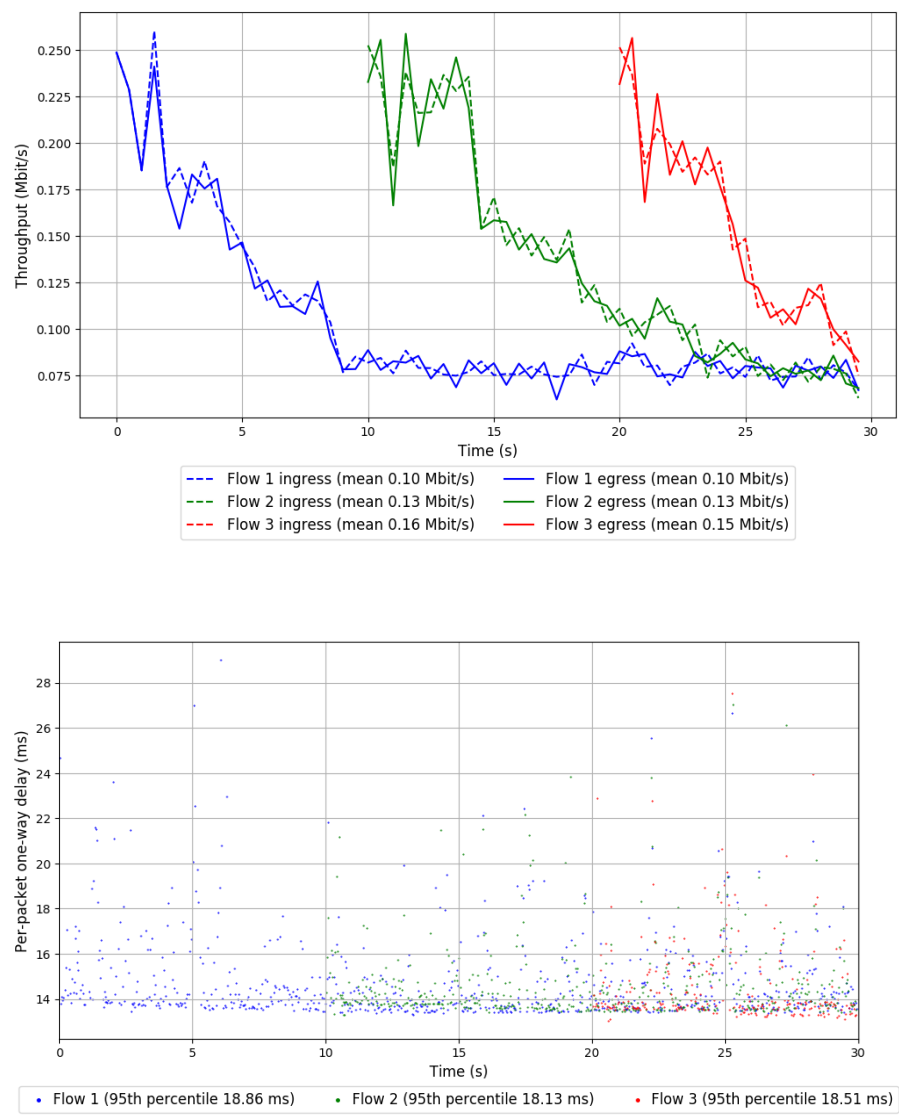


Run 1: Statistics of SCReAM

Start at: 2017-12-01 10:27:09
End at: 2017-12-01 10:27:39
Local clock offset: 3.249 ms
Remote clock offset: -32.407 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 18.512 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 18.857 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 18.134 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 18.509 ms
Loss rate: 0.45%

Run 1: Report of SReAM — Data Link

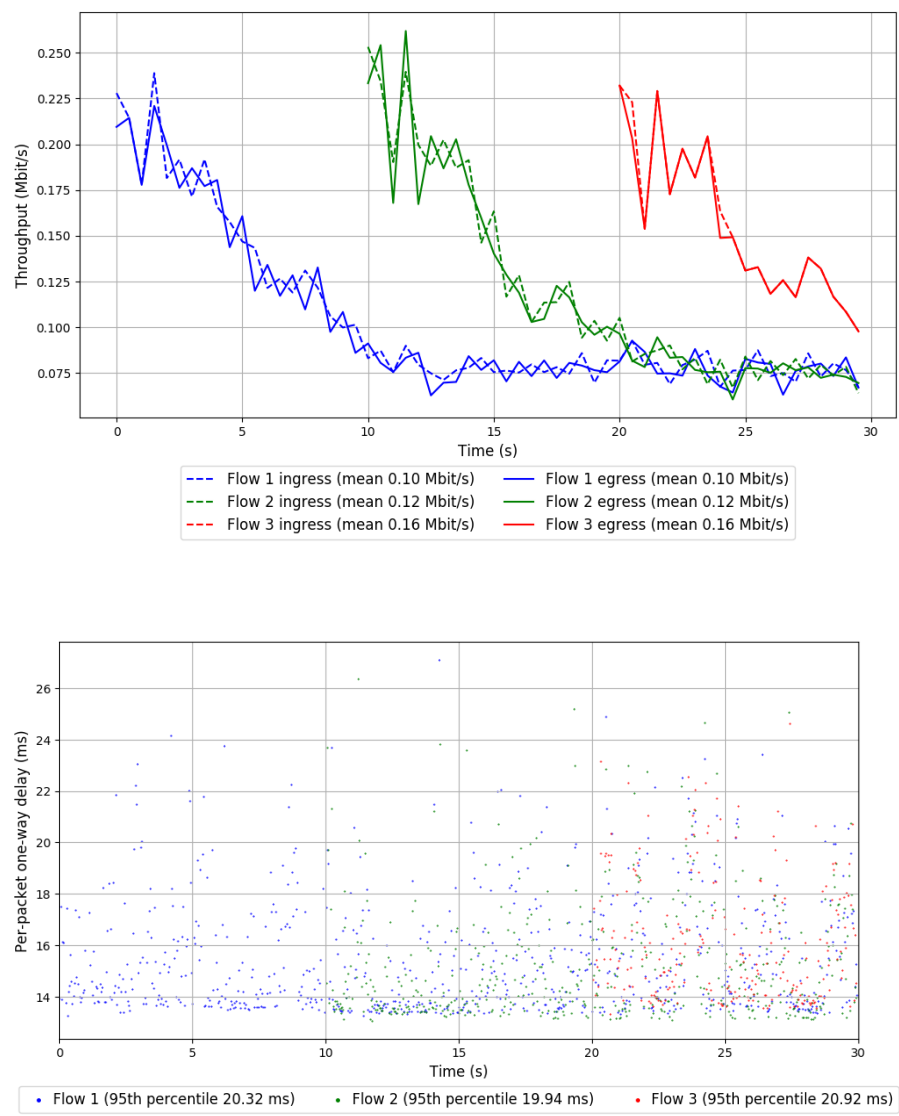


Run 2: Statistics of SCReAM

Start at: 2017-12-01 10:45:25
End at: 2017-12-01 10:45:55
Local clock offset: 3.879 ms
Remote clock offset: -32.86 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 20.363 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 20.316 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 19.944 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 20.922 ms
Loss rate: 1.10%

Run 2: Report of SReAM — Data Link

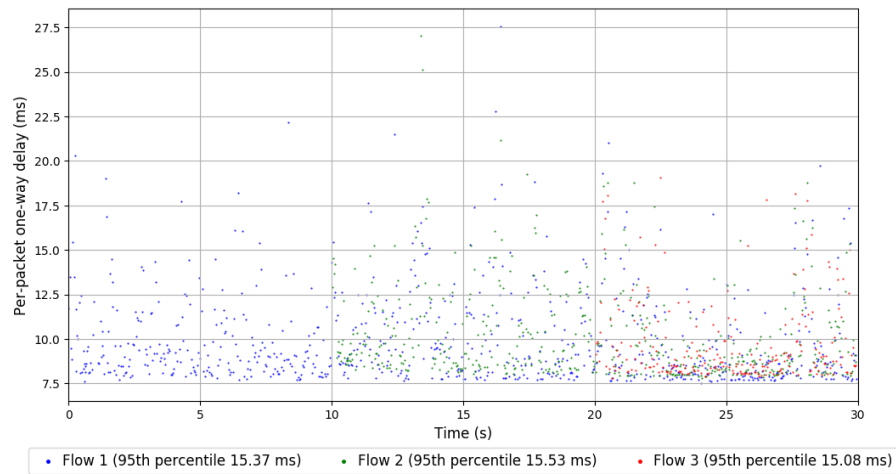
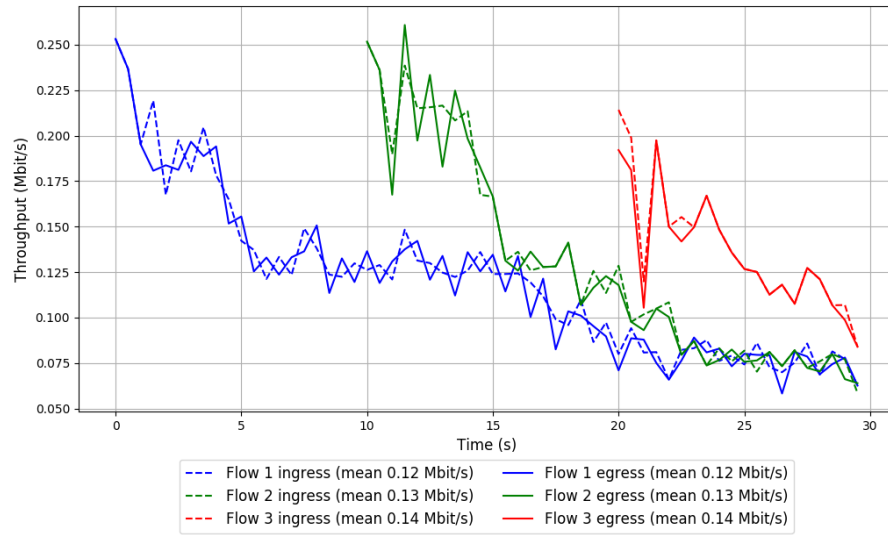


Run 3: Statistics of SCReAM

Start at: 2017-12-01 11:03:45
End at: 2017-12-01 11:04:16
Local clock offset: 4.509 ms
Remote clock offset: -38.439 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 15.364 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 15.374 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 15.534 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 15.077 ms
Loss rate: 2.75%

Run 3: Report of SReAM — Data Link

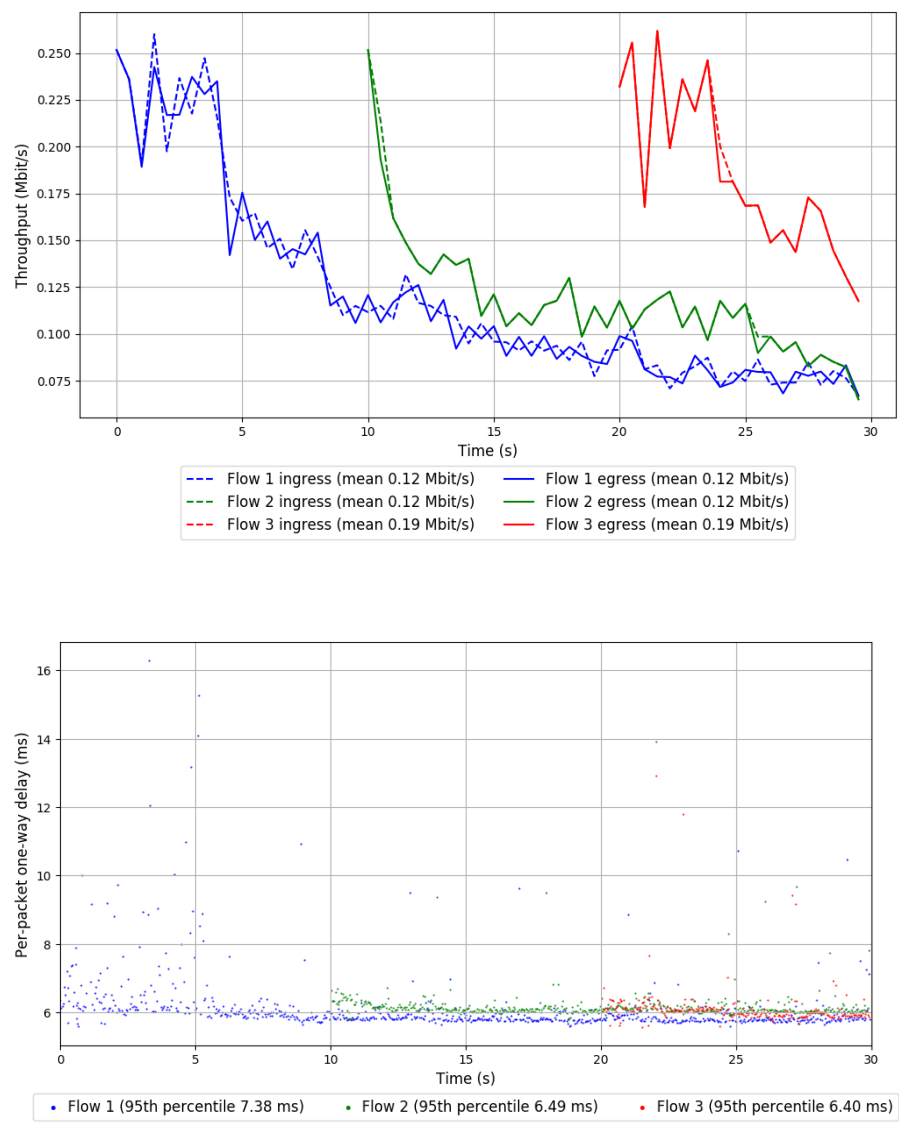


Run 4: Statistics of SReAM

Start at: 2017-12-01 11:21:45
End at: 2017-12-01 11:22:15
Local clock offset: 5.341 ms
Remote clock offset: -40.51 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 6.813 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 7.384 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 6.489 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 6.404 ms
Loss rate: 0.51%

Run 4: Report of SCRaM — Data Link

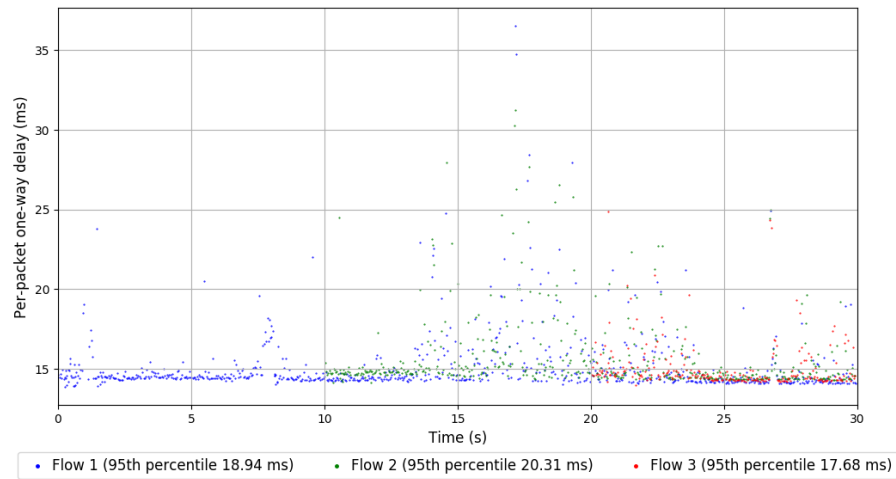
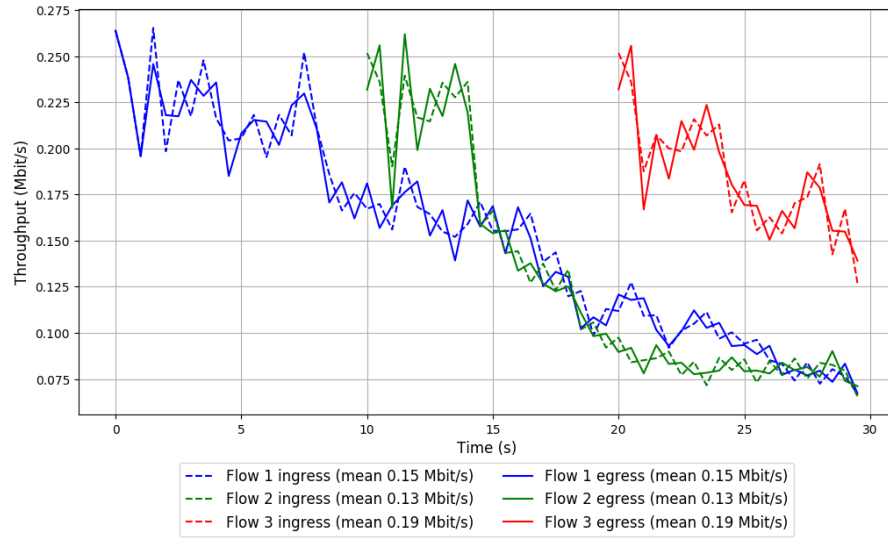


Run 5: Statistics of SCReAM

Start at: 2017-12-01 11:40:02
End at: 2017-12-01 11:40:32
Local clock offset: 5.808 ms
Remote clock offset: -33.632 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 19.589 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 18.936 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 20.312 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 17.678 ms
Loss rate: 0.56%

Run 5: Report of SReAM — Data Link

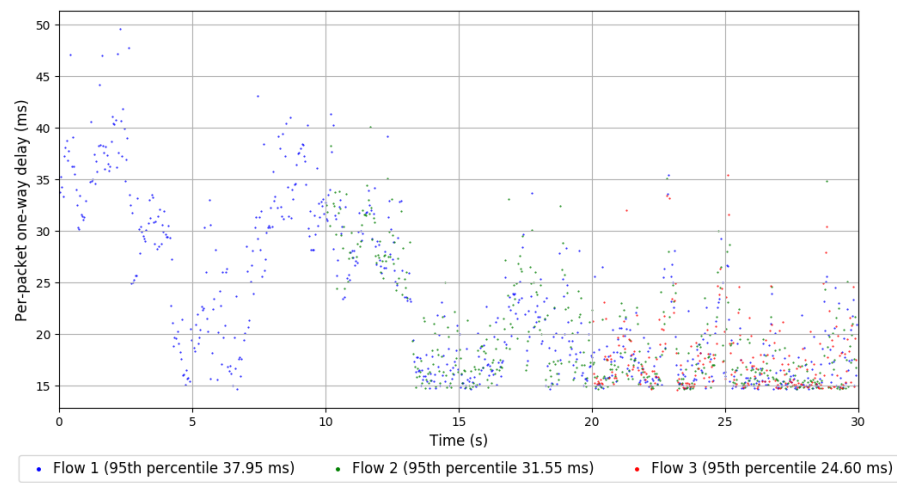
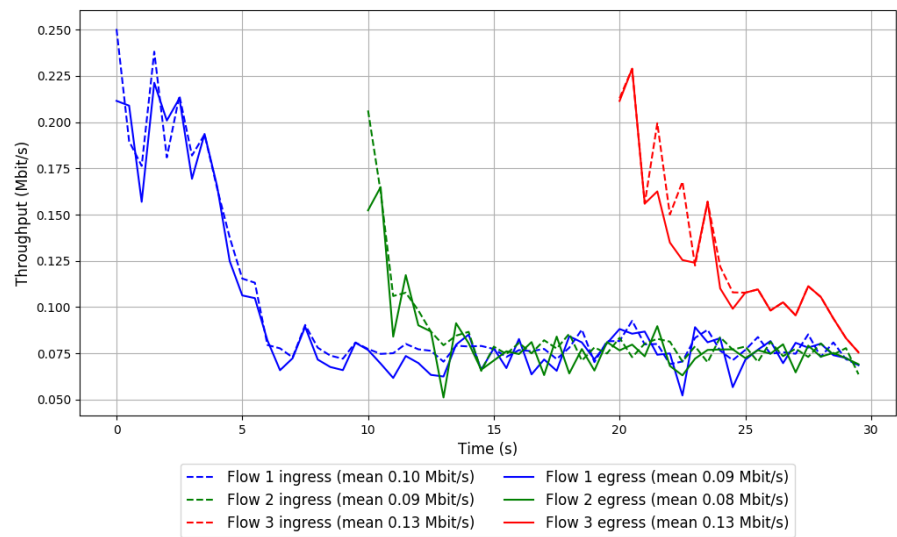


Run 6: Statistics of SCReAM

Start at: 2017-12-01 11:58:39
End at: 2017-12-01 11:59:09
Local clock offset: 6.492 ms
Remote clock offset: -34.404 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 35.036 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 37.952 ms
Loss rate: 3.84%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 31.550 ms
Loss rate: 5.28%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 24.602 ms
Loss rate: 4.41%

Run 6: Report of SReAM — Data Link

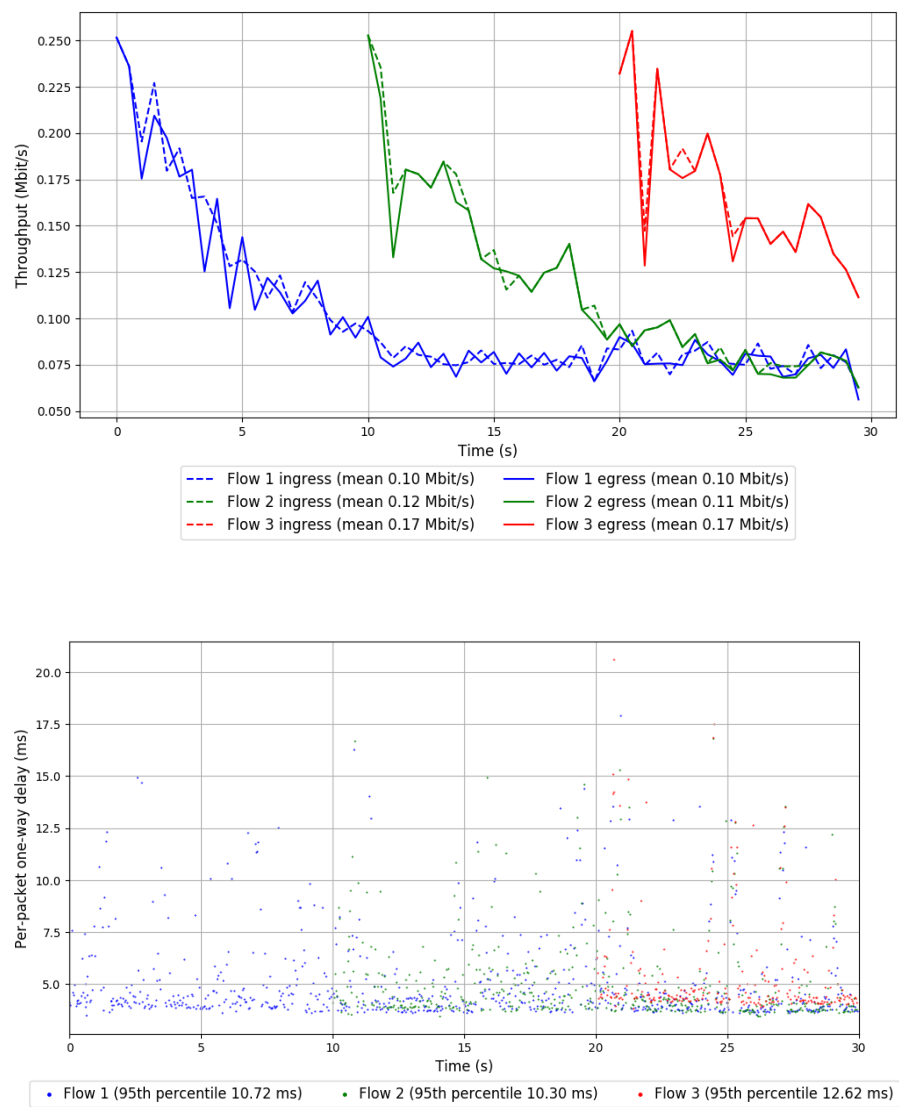


Run 7: Statistics of SCReAM

Start at: 2017-12-01 12:16:43
End at: 2017-12-01 12:17:13
Local clock offset: 7.435 ms
Remote clock offset: -45.817 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 10.617 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 10.716 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 10.302 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 12.622 ms
Loss rate: 1.43%

Run 7: Report of SReAM — Data Link

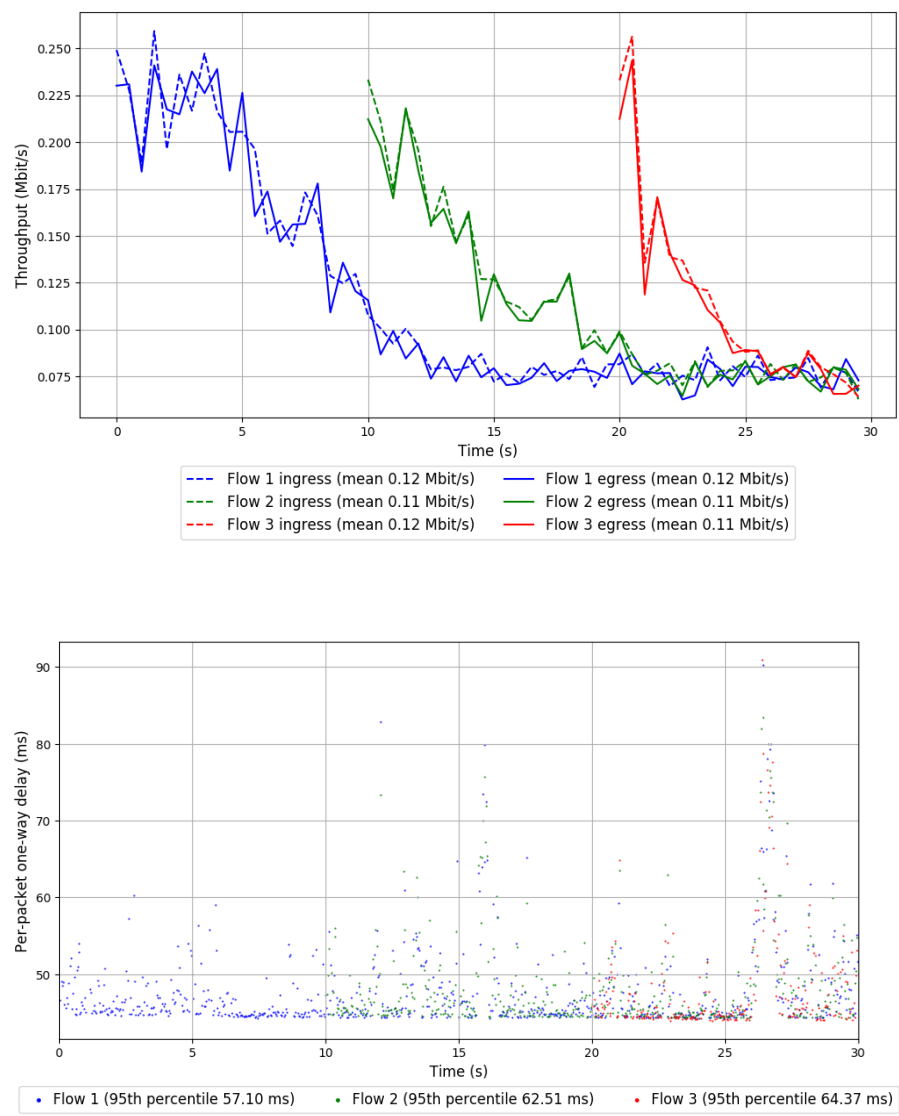


Run 8: Statistics of SCReAM

Start at: 2017-12-01 12:37:24
End at: 2017-12-01 12:37:54
Local clock offset: 6.717 ms
Remote clock offset: -5.715 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.936 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 57.099 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 62.514 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 64.370 ms
Loss rate: 3.66%

Run 8: Report of SReAM — Data Link

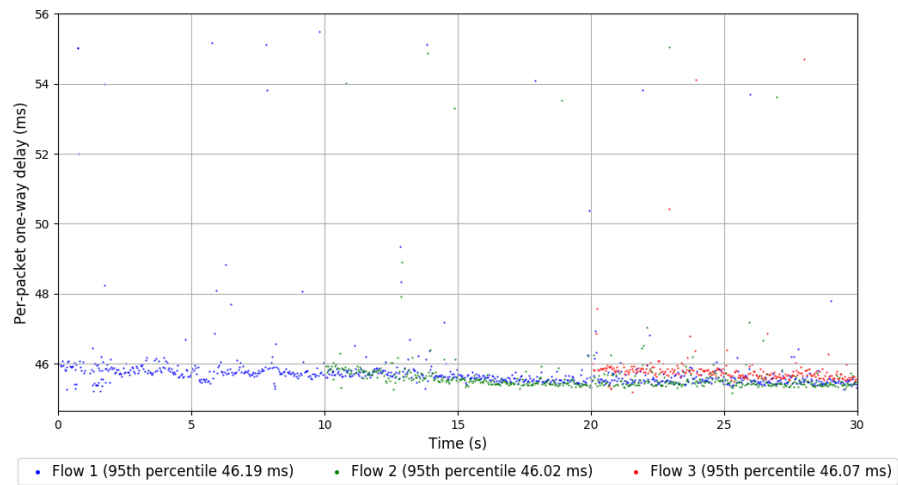
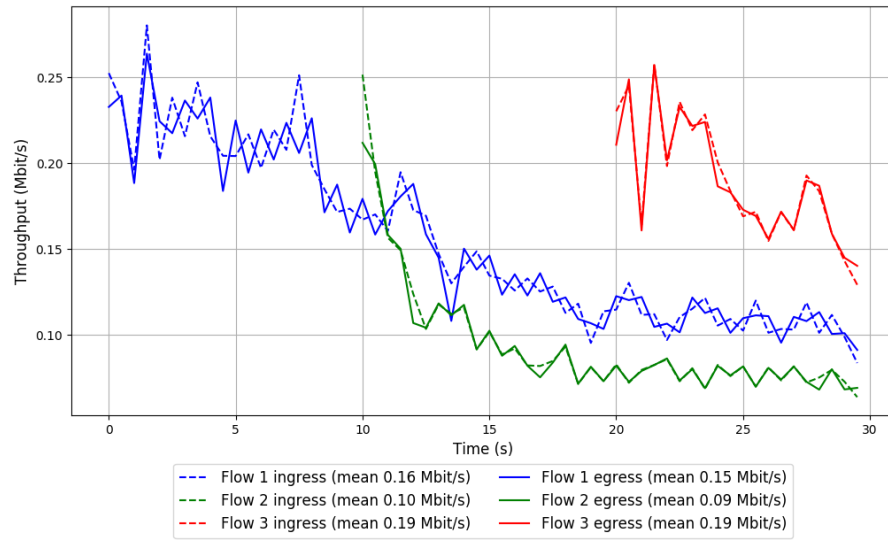


Run 9: Statistics of SReAM

Start at: 2017-12-01 12:56:08
End at: 2017-12-01 12:56:38
Local clock offset: 6.188 ms
Remote clock offset: -4.789 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 46.140 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 46.189 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 46.025 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 46.068 ms
Loss rate: 0.52%

Run 9: Report of SReAM — Data Link

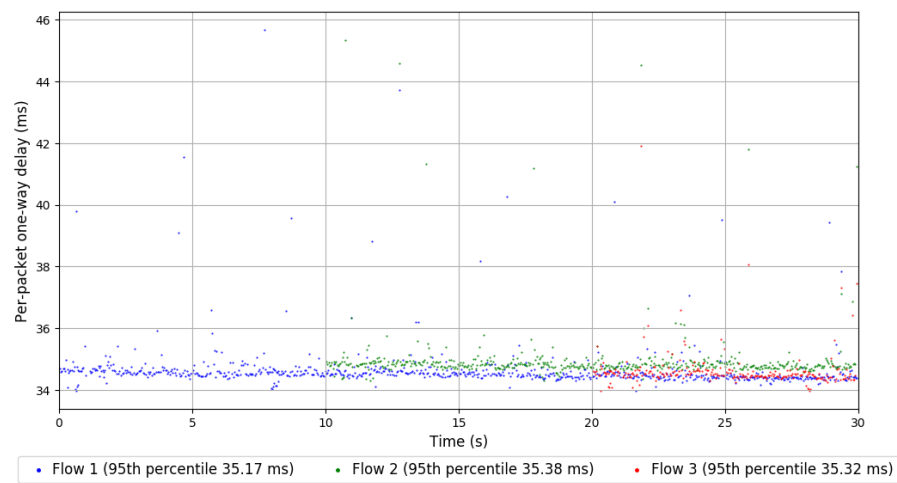
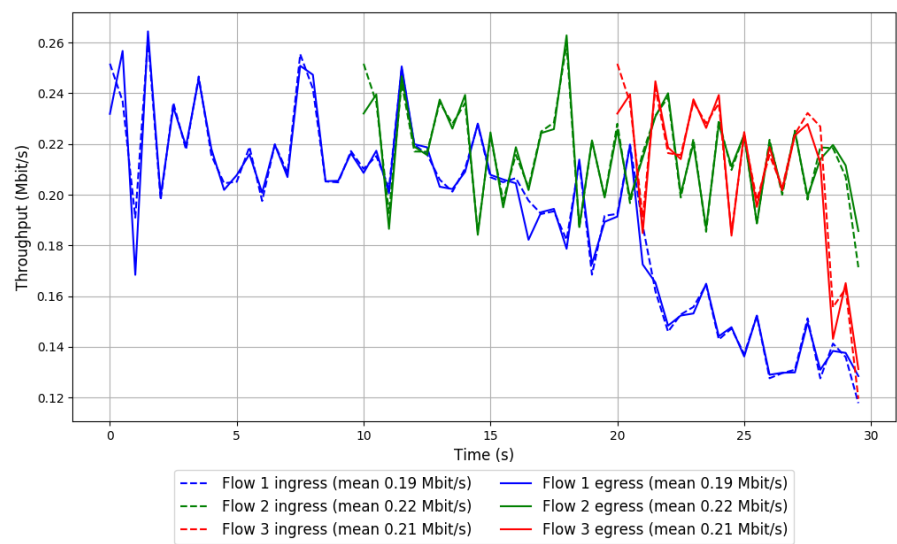


Run 10: Statistics of SReAM

Start at: 2017-12-01 13:14:48
End at: 2017-12-01 13:15:18
Local clock offset: 4.636 ms
Remote clock offset: -15.285 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 35.241 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 35.173 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 35.385 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.324 ms
Loss rate: 0.83%

Run 10: Report of SReAM — Data Link

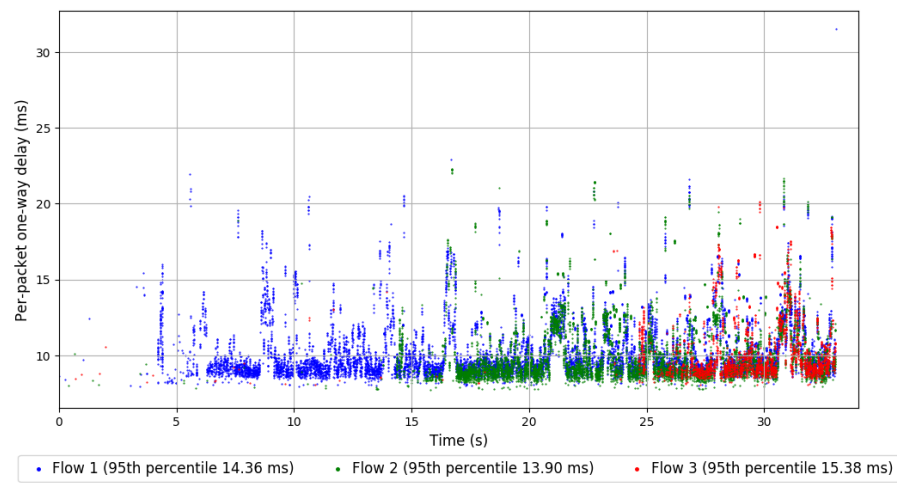
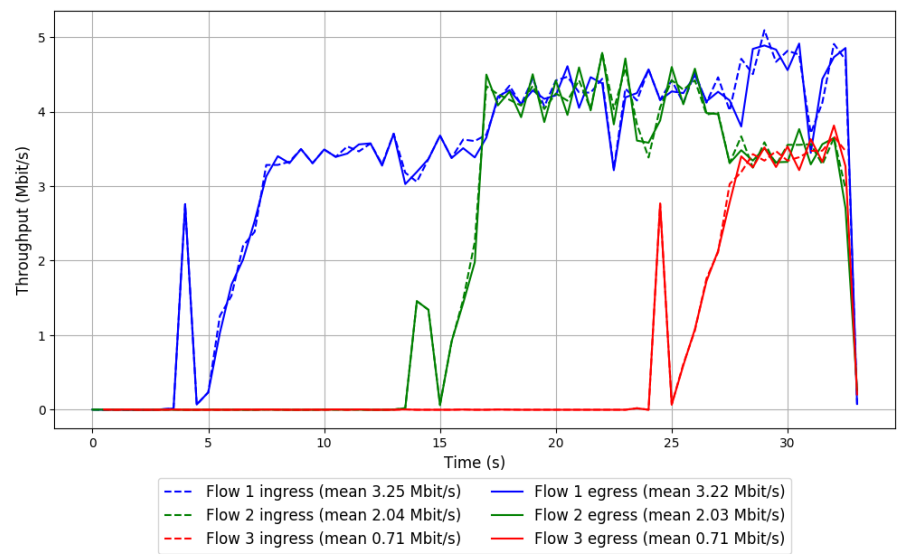


Run 1: Statistics of WebRTC media

Start at: 2017-12-01 10:33:39
End at: 2017-12-01 10:34:09
Local clock offset: 3.411 ms
Remote clock offset: -37.75 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 14.415 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 14.360 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 13.899 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 15.382 ms
Loss rate: 0.21%

Run 1: Report of WebRTC media — Data Link

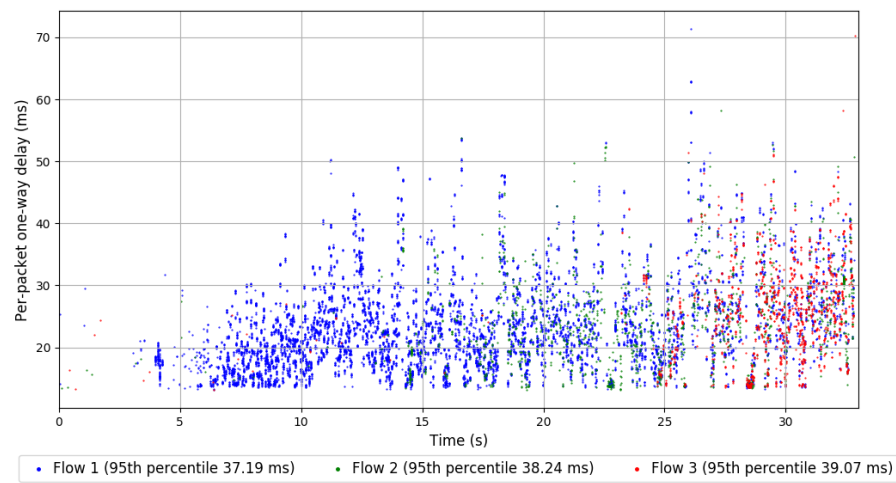
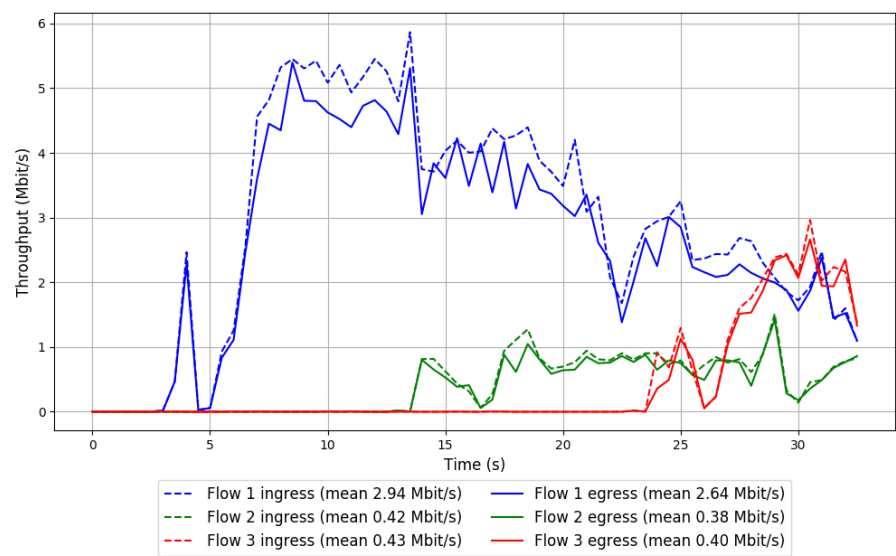


Run 2: Statistics of WebRTC media

Start at: 2017-12-01 10:51:57
End at: 2017-12-01 10:52:27
Local clock offset: 3.936 ms
Remote clock offset: -32.93 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 37.758 ms
Loss rate: 9.69%
-- Flow 1:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 37.186 ms
Loss rate: 10.12%
-- Flow 2:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 38.242 ms
Loss rate: 9.31%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 39.069 ms
Loss rate: 7.05%

Run 2: Report of WebRTC media — Data Link

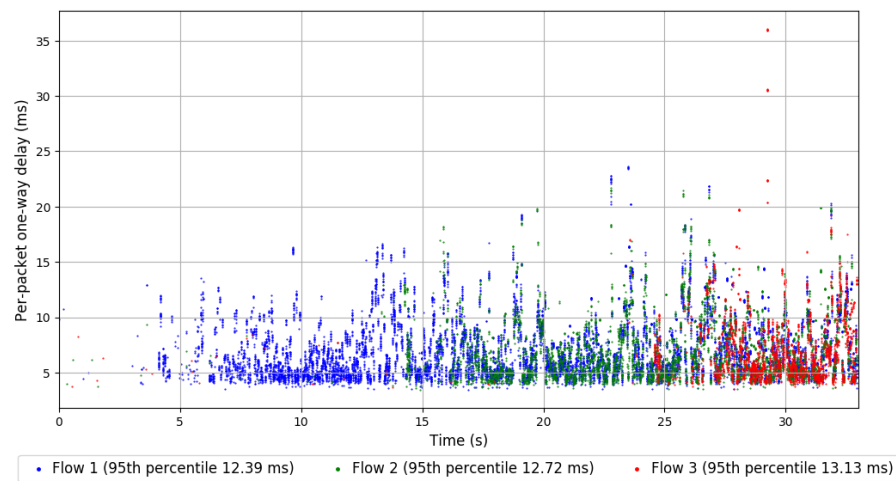
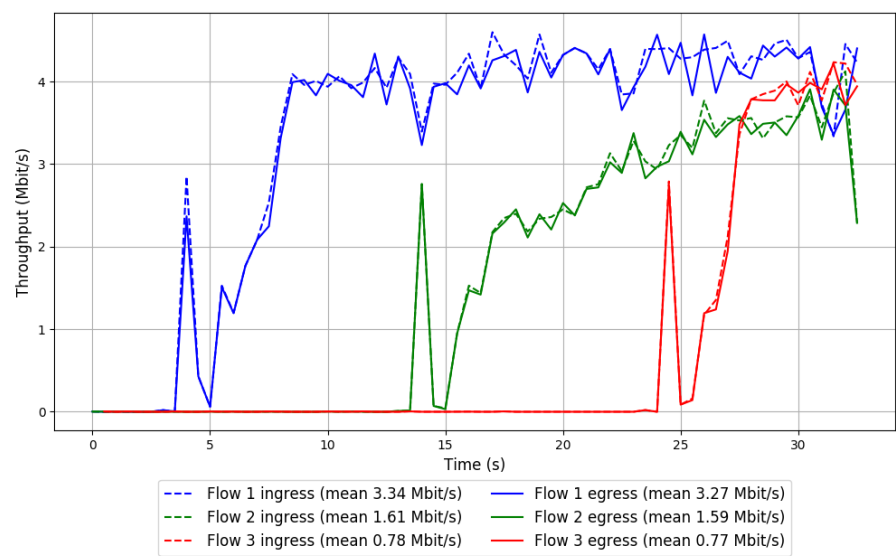


Run 3: Statistics of WebRTC media

Start at: 2017-12-01 11:10:10
End at: 2017-12-01 11:10:40
Local clock offset: 4.844 ms
Remote clock offset: -42.162 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 12.628 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 12.393 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 12.719 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 13.130 ms
Loss rate: 1.66%

Run 3: Report of WebRTC media — Data Link

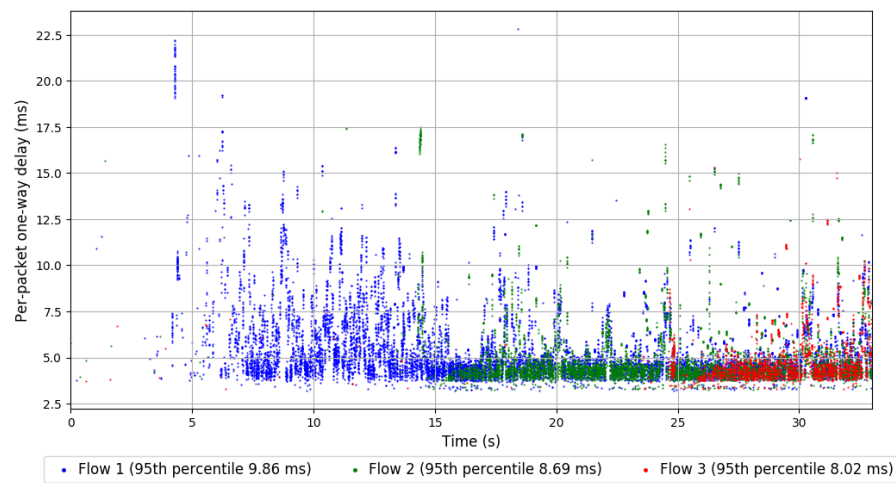
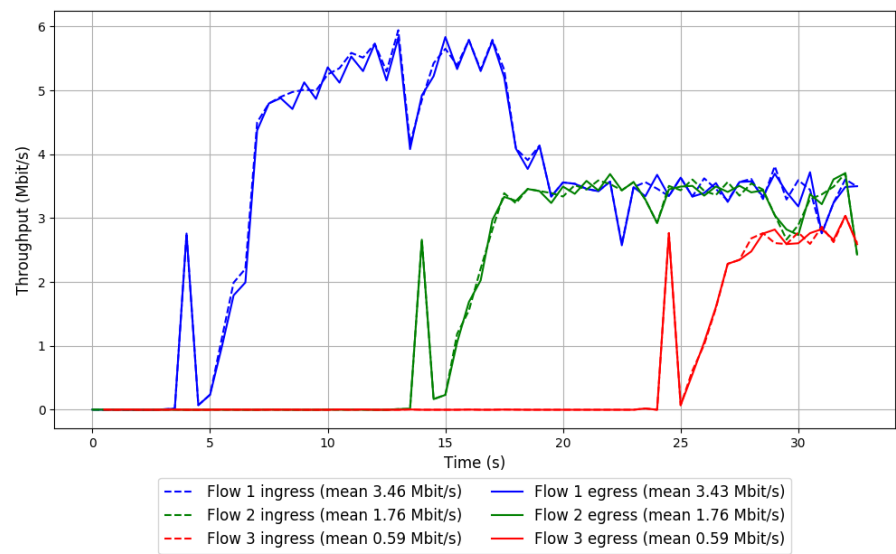


Run 4: Statistics of WebRTC media

Start at: 2017-12-01 11:28:18
End at: 2017-12-01 11:28:48
Local clock offset: 5.647 ms
Remote clock offset: -42.889 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: 9.493 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 9.856 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 8.687 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 8.017 ms
Loss rate: 0.06%

Run 4: Report of WebRTC media — Data Link

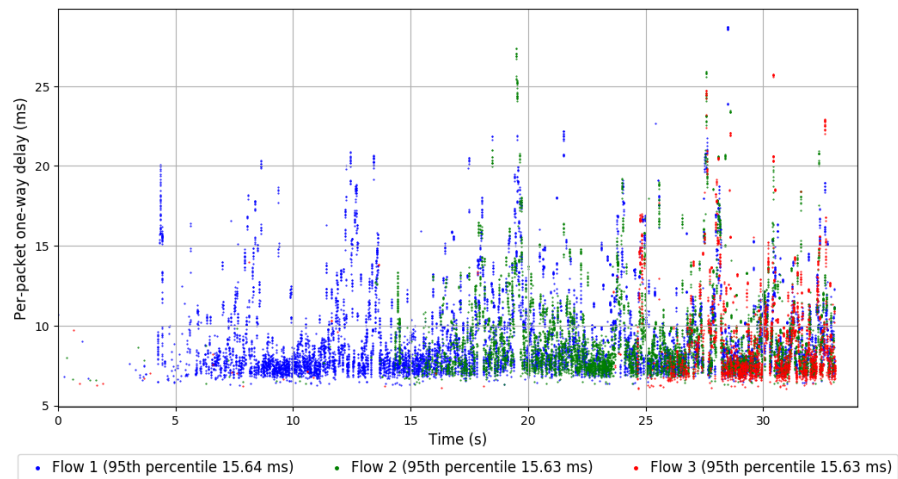
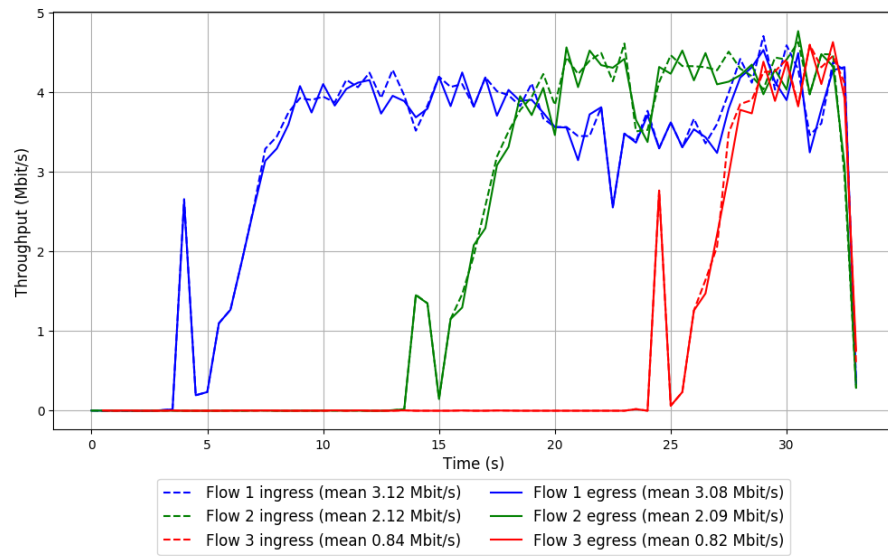


Run 5: Statistics of WebRTC media

Start at: 2017-12-01 11:46:46
End at: 2017-12-01 11:47:16
Local clock offset: 6.216 ms
Remote clock offset: -41.645 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 15.631 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 15.638 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 15.628 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 15.634 ms
Loss rate: 2.10%

Run 5: Report of WebRTC media — Data Link

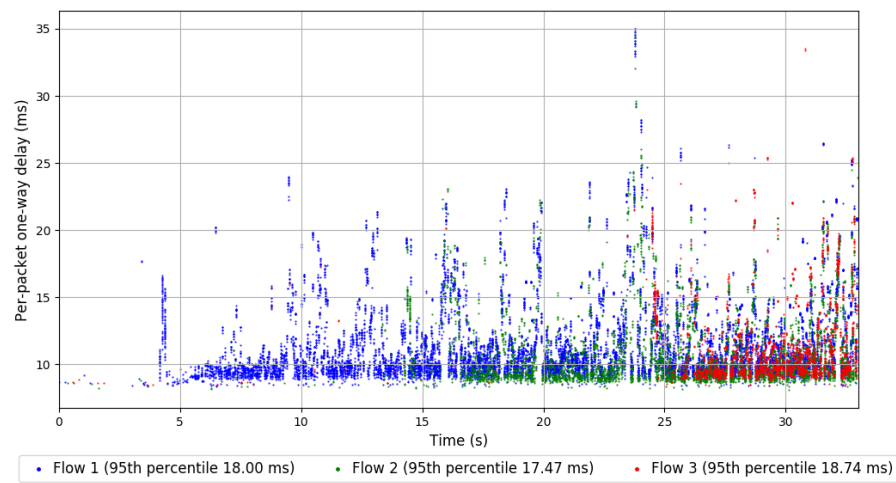
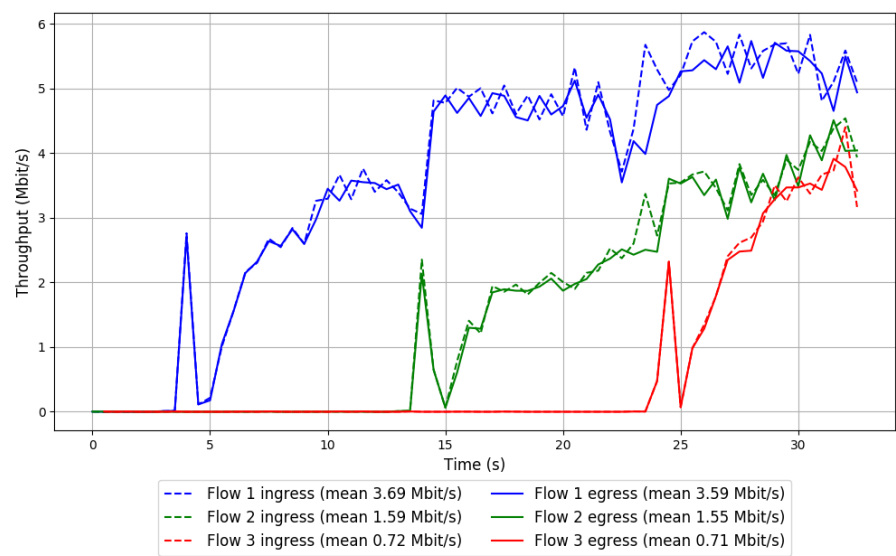


Run 6: Statistics of WebRTC media

Start at: 2017-12-01 12:05:05
End at: 2017-12-01 12:05:35
Local clock offset: 6.797 ms
Remote clock offset: -40.922 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 17.946 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 18.000 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 17.469 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 18.744 ms
Loss rate: 1.62%

Run 6: Report of WebRTC media — Data Link

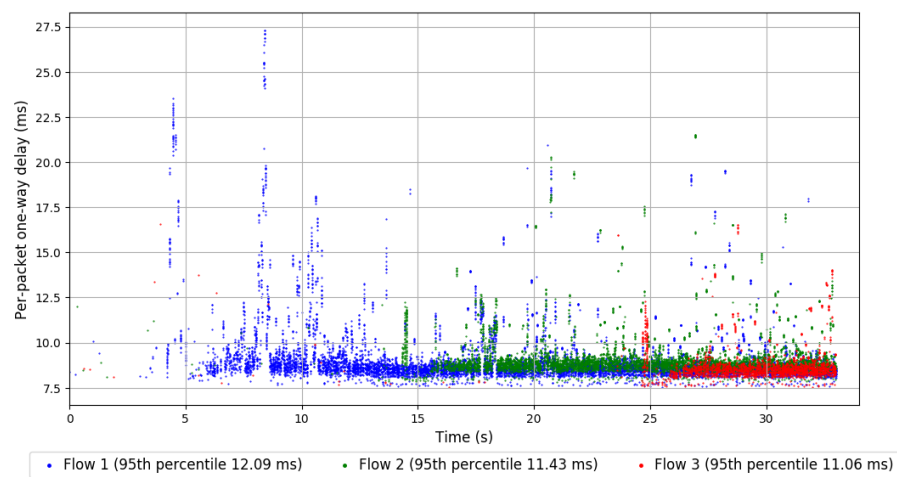
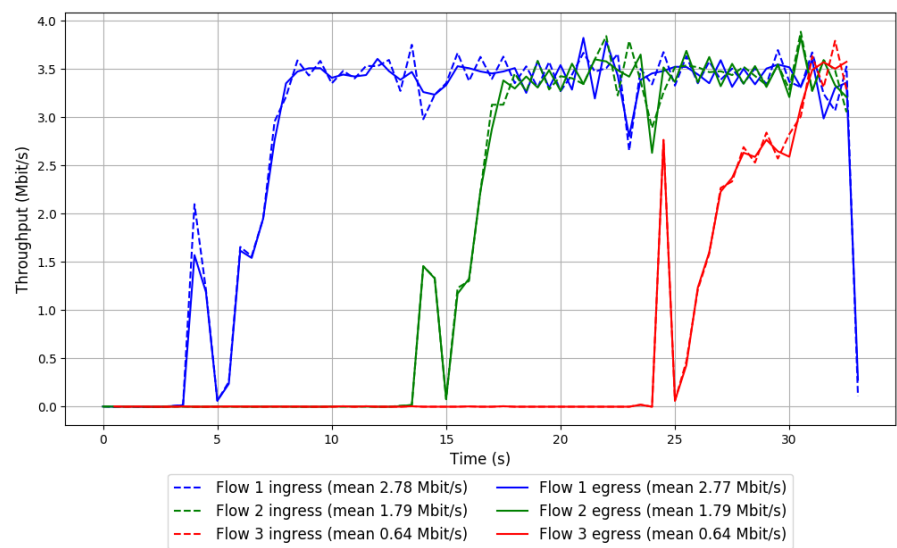


Run 7: Statistics of WebRTC media

Start at: 2017-12-01 12:23:14
End at: 2017-12-01 12:23:44
Local clock offset: 7.35 ms
Remote clock offset: -41.64 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.16 Mbit/s
95th percentile per-packet one-way delay: 11.705 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 12.086 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 11.430 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 11.063 ms
Loss rate: 0.06%

Run 7: Report of WebRTC media — Data Link

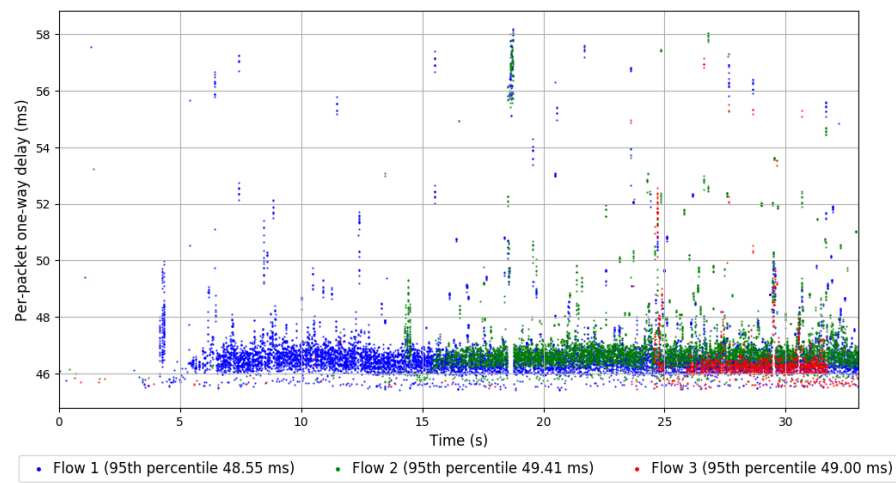
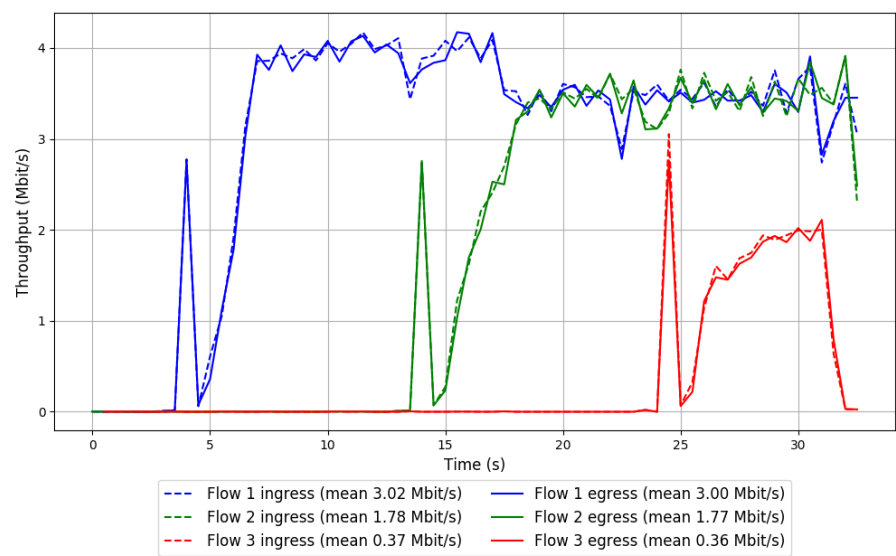


Run 8: Statistics of WebRTC media

Start at: 2017-12-01 12:44:15
End at: 2017-12-01 12:44:45
Local clock offset: 6.503 ms
Remote clock offset: -4.135 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.11 Mbit/s
95th percentile per-packet one-way delay: 48.876 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 48.550 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 49.415 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 49.001 ms
Loss rate: 2.04%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-12-01 13:02:33

End at: 2017-12-01 13:03:03

Local clock offset: 5.399 ms

Remote clock offset: -4.07 ms

Below is generated by plot.py at 2017-12-01 13:42:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 48.427 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 48.596 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 48.340 ms

Loss rate: 0.37%

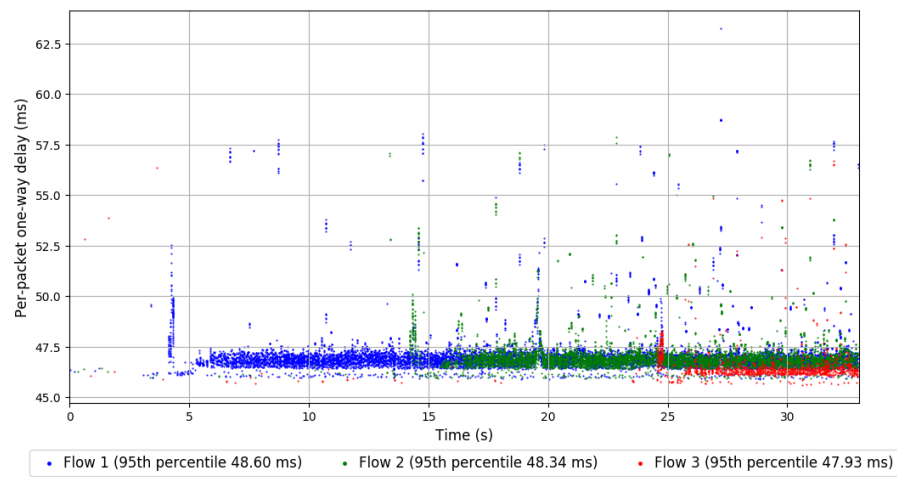
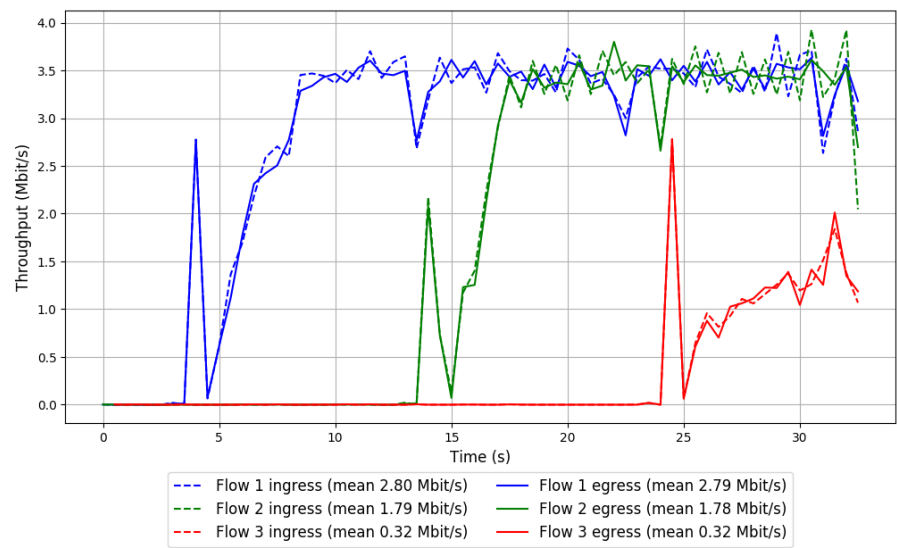
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 47.934 ms

Loss rate: 0.37%

Run 9: Report of WebRTC media — Data Link

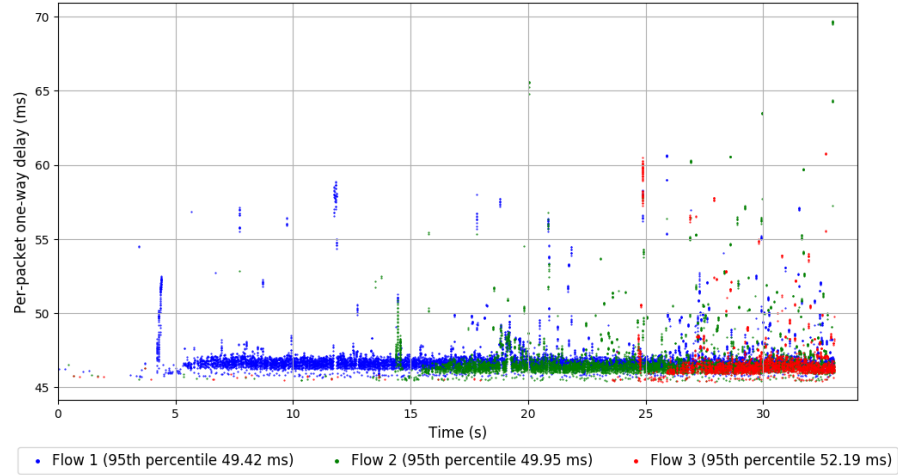
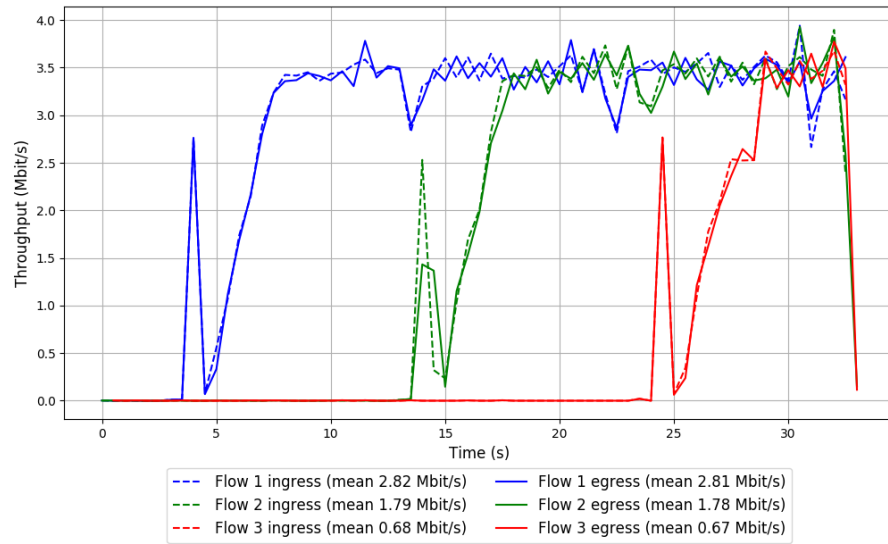


Run 10: Statistics of WebRTC media

Start at: 2017-12-01 13:21:35
End at: 2017-12-01 13:22:05
Local clock offset: 4.104 ms
Remote clock offset: -3.453 ms

Below is generated by plot.py at 2017-12-01 13:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 49.784 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 49.424 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 49.945 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 52.194 ms
Loss rate: 0.39%

Run 10: Report of WebRTC media — Data Link

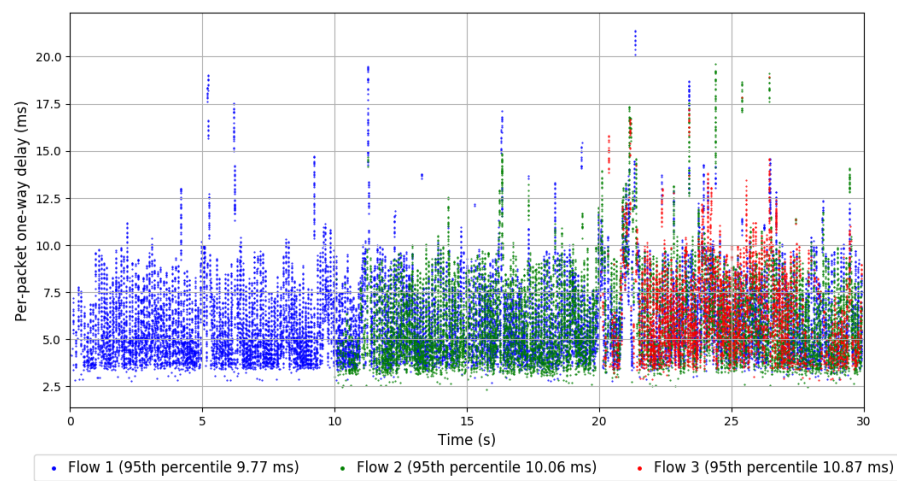
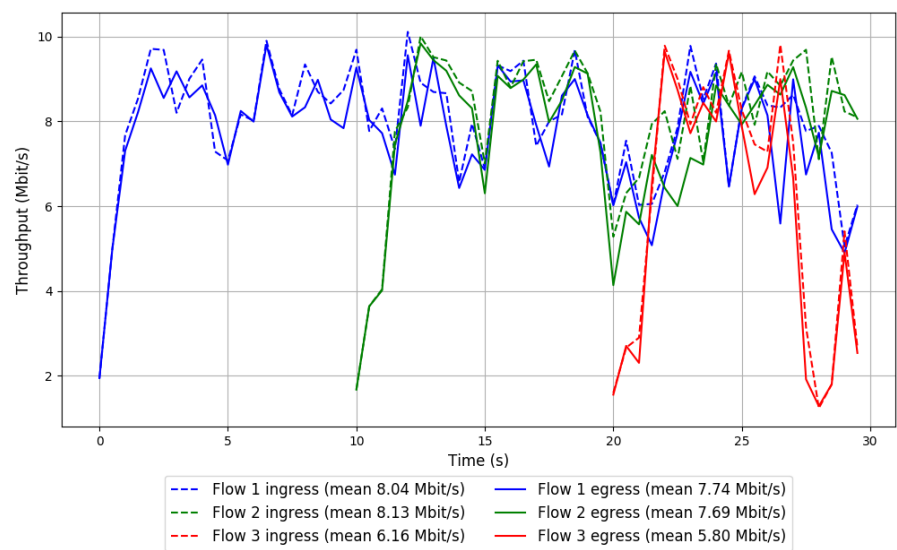


Run 1: Statistics of Sprout

Start at: 2017-12-01 10:20:47
End at: 2017-12-01 10:21:17
Local clock offset: 3.27 ms
Remote clock offset: -42.463 ms

Below is generated by plot.py at 2017-12-01 13:42:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.77 Mbit/s
95th percentile per-packet one-way delay: 10.021 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 7.74 Mbit/s
95th percentile per-packet one-way delay: 9.773 ms
Loss rate: 3.73%
-- Flow 2:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 10.056 ms
Loss rate: 5.33%
-- Flow 3:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 10.874 ms
Loss rate: 5.77%

Run 1: Report of Sprout — Data Link

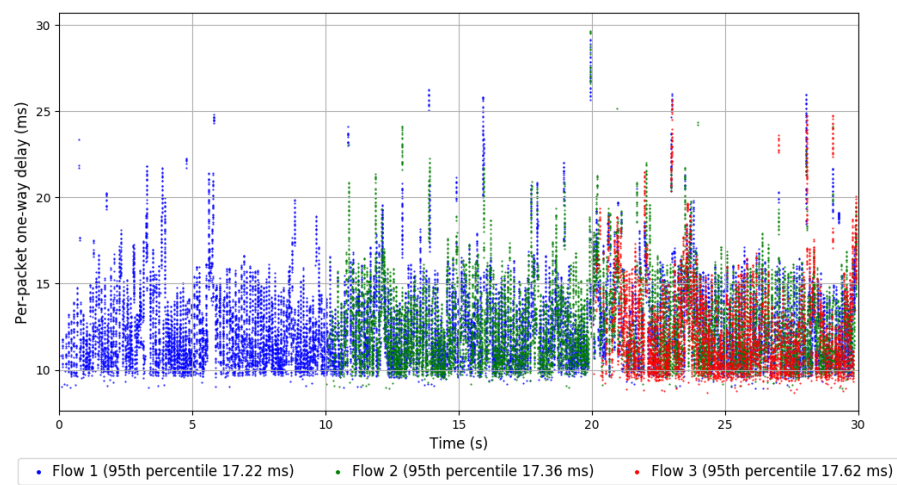
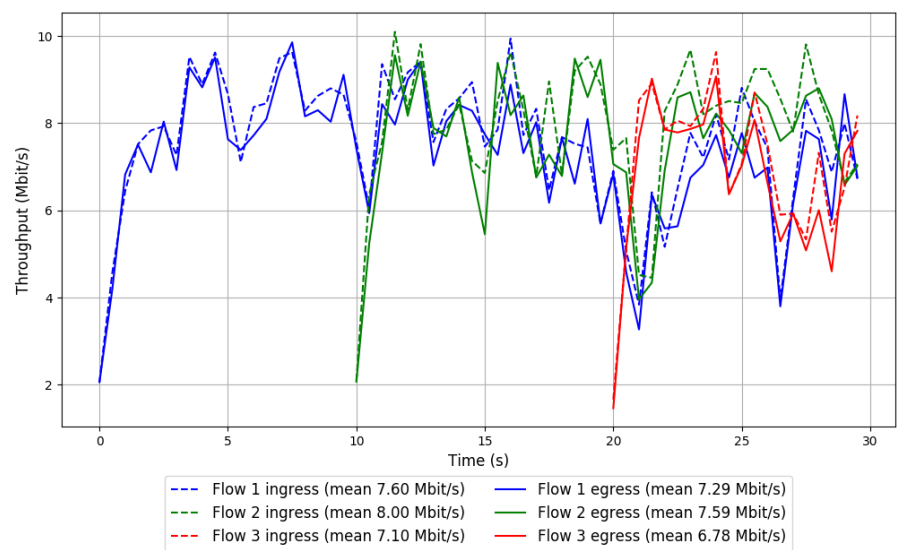


Run 2: Statistics of Sprout

Start at: 2017-12-01 10:38:53
End at: 2017-12-01 10:39:23
Local clock offset: 3.533 ms
Remote clock offset: -37.039 ms

Below is generated by plot.py at 2017-12-01 13:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 17.335 ms
Loss rate: 4.51%
-- Flow 1:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 17.220 ms
Loss rate: 4.08%
-- Flow 2:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 17.360 ms
Loss rate: 5.10%
-- Flow 3:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 17.623 ms
Loss rate: 4.56%

Run 2: Report of Sprout — Data Link

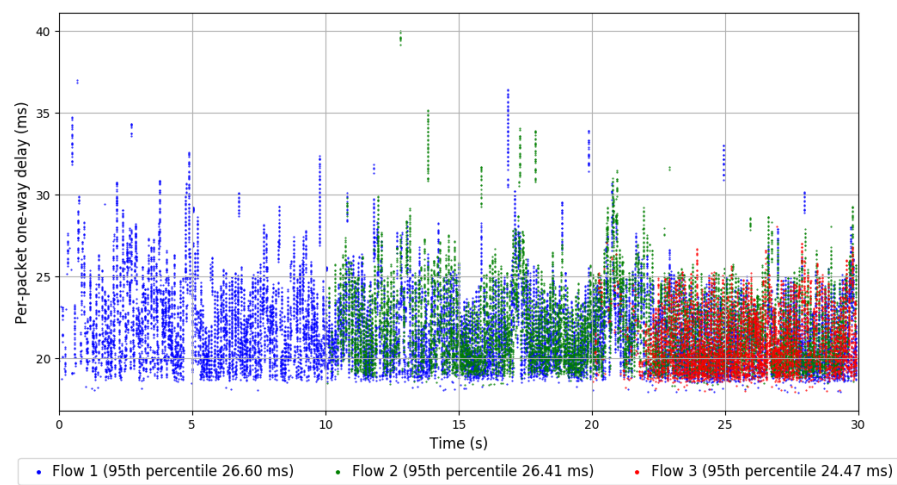
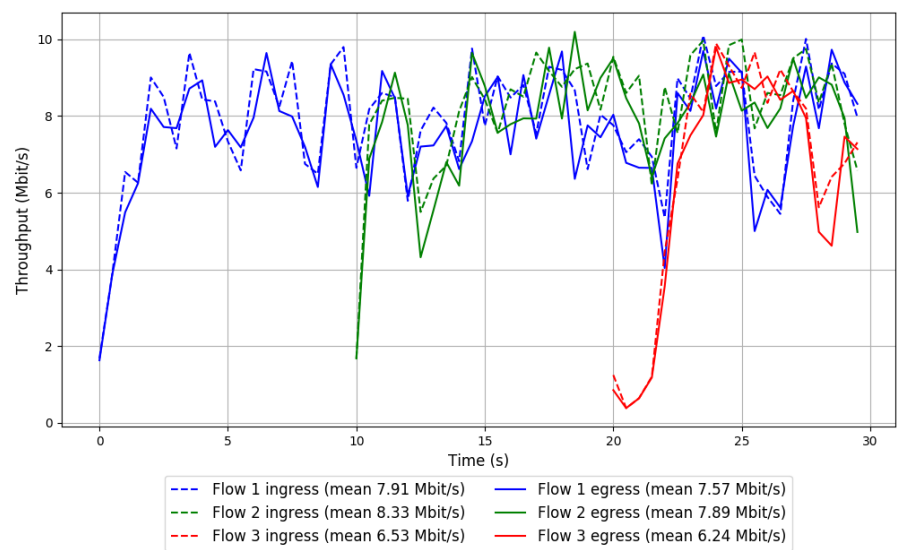


Run 3: Statistics of Sprout

Start at: 2017-12-01 10:57:23
End at: 2017-12-01 10:57:53
Local clock offset: 4.101 ms
Remote clock offset: -28.064 ms

Below is generated by plot.py at 2017-12-01 13:42:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 26.190 ms
Loss rate: 4.65%
-- Flow 1:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 26.600 ms
Loss rate: 4.27%
-- Flow 2:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 26.407 ms
Loss rate: 5.30%
-- Flow 3:
Average throughput: 6.24 Mbit/s
95th percentile per-packet one-way delay: 24.474 ms
Loss rate: 4.36%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

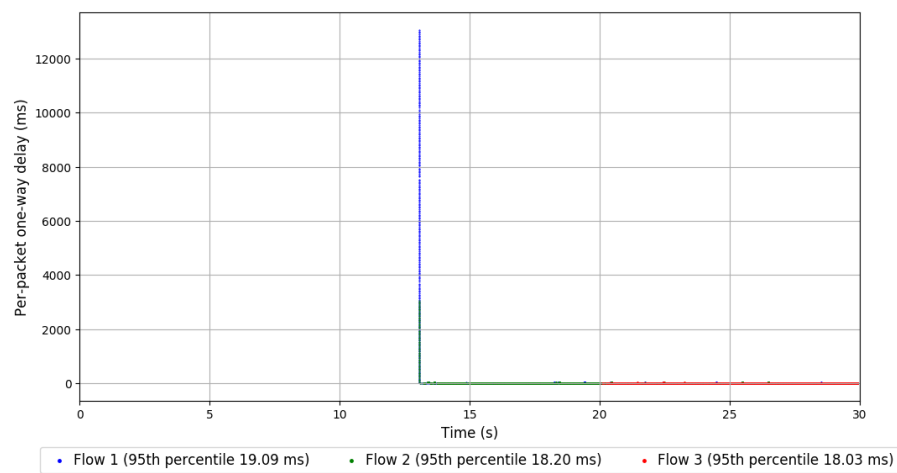
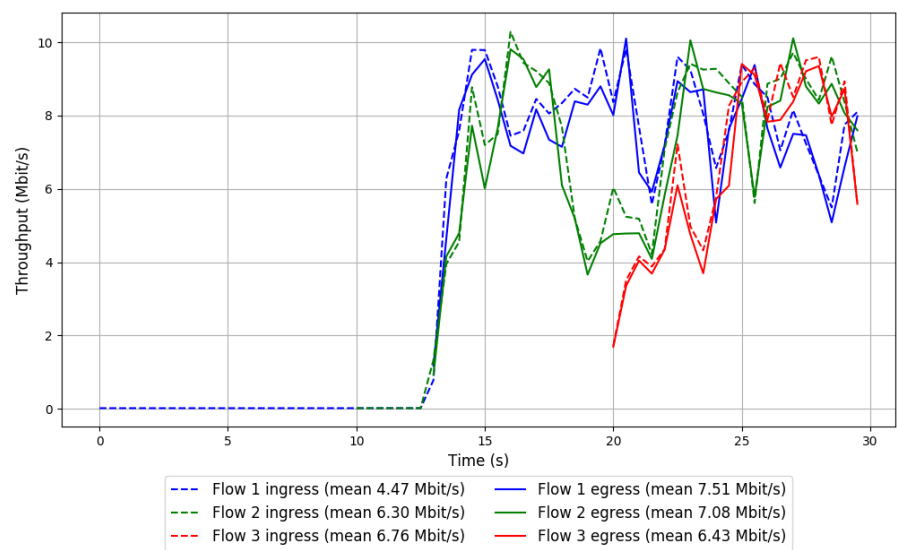
Start at: 2017-12-01 11:15:20

End at: 2017-12-01 11:15:50

Local clock offset: 4.996 ms

Remote clock offset: -34.557 ms

Run 4: Report of Sprout — Data Link

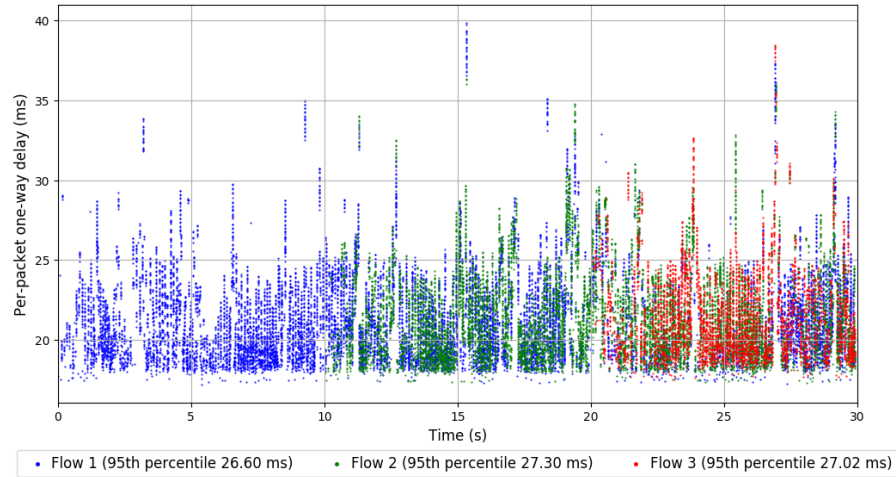
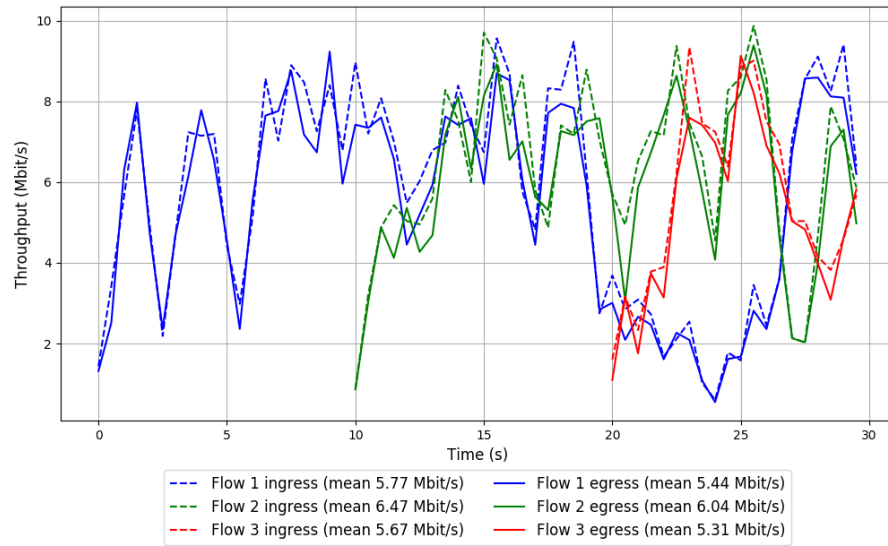


Run 5: Statistics of Sprout

Start at: 2017-12-01 11:33:26
End at: 2017-12-01 11:33:56
Local clock offset: 5.697 ms
Remote clock offset: -29.445 ms

Below is generated by plot.py at 2017-12-01 13:42:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.21 Mbit/s
95th percentile per-packet one-way delay: 26.968 ms
Loss rate: 6.09%
-- Flow 1:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 26.597 ms
Loss rate: 5.57%
-- Flow 2:
Average throughput: 6.04 Mbit/s
95th percentile per-packet one-way delay: 27.298 ms
Loss rate: 6.63%
-- Flow 3:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 27.025 ms
Loss rate: 6.41%

Run 5: Report of Sprout — Data Link

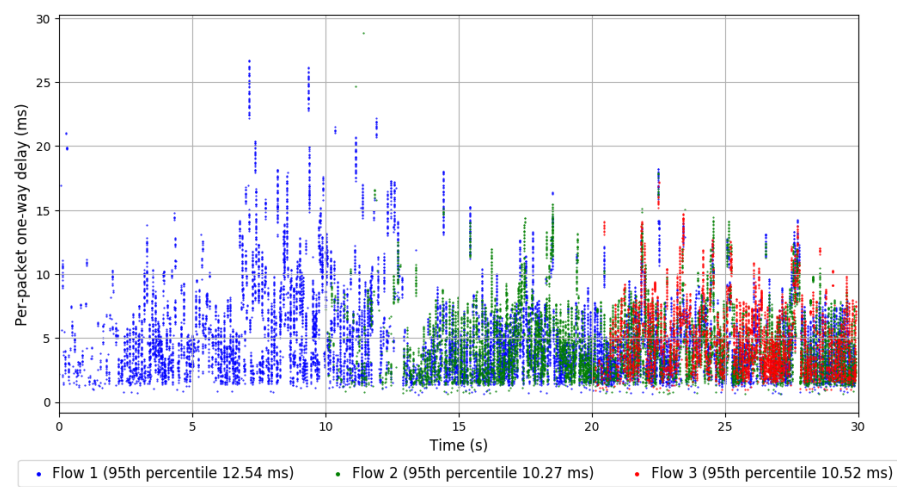
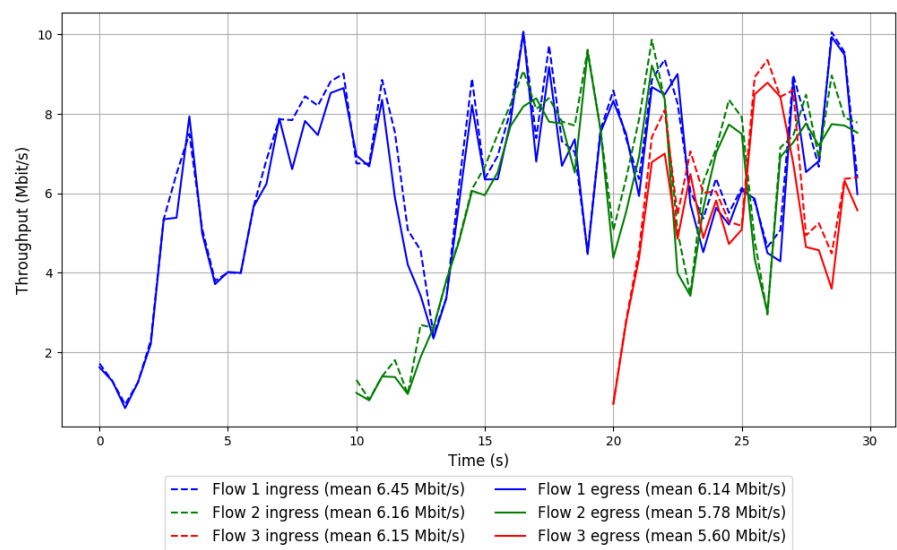


Run 6: Statistics of Sprout

Start at: 2017-12-01 11:52:14
End at: 2017-12-01 11:52:44
Local clock offset: 6.205 ms
Remote clock offset: -47.699 ms

Below is generated by plot.py at 2017-12-01 13:42:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 11.533 ms
Loss rate: 5.93%
-- Flow 1:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 12.536 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 10.271 ms
Loss rate: 6.23%
-- Flow 3:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 10.524 ms
Loss rate: 8.84%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

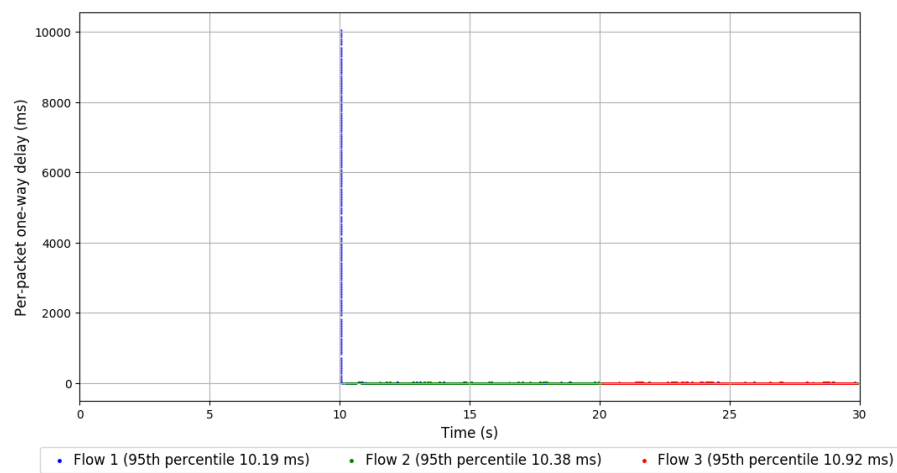
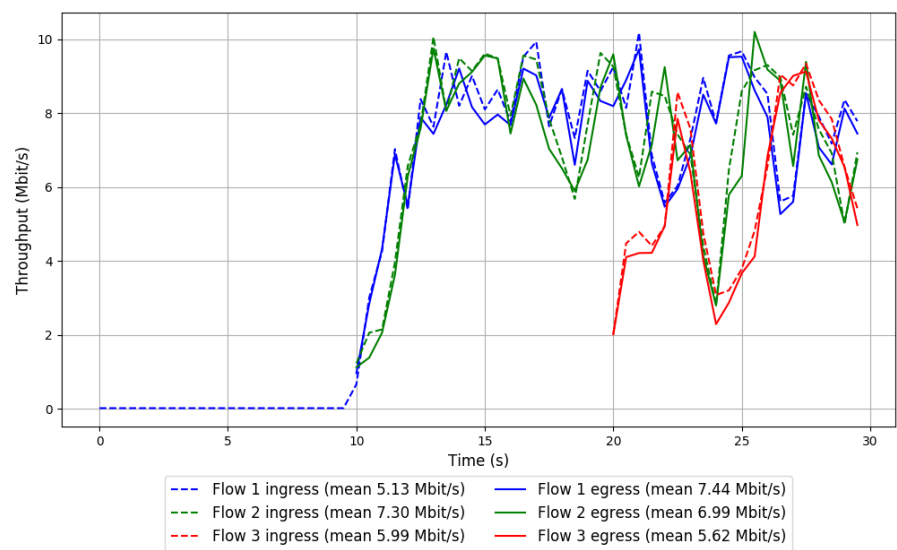
Start at: 2017-12-01 12:10:17

End at: 2017-12-01 12:10:47

Local clock offset: 7.074 ms

Remote clock offset: -47.015 ms

Run 7: Report of Sprout — Data Link

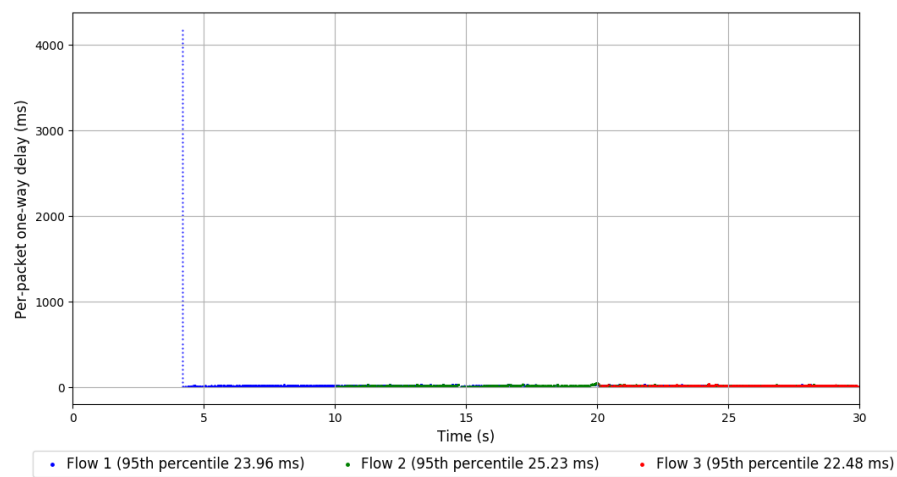
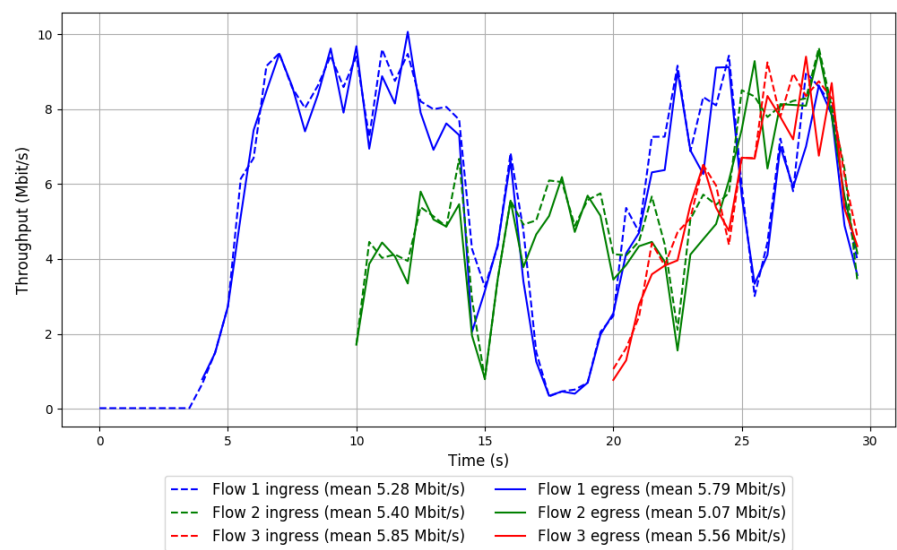


Run 8: Statistics of Sprout

Start at: 2017-12-01 12:28:26
End at: 2017-12-01 12:28:56
Local clock offset: 7.134 ms
Remote clock offset: -38.115 ms

Below is generated by plot.py at 2017-12-01 13:42:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 23.950 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 23.959 ms
Loss rate: 5.61%
-- Flow 2:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 25.233 ms
Loss rate: 6.18%
-- Flow 3:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 22.476 ms
Loss rate: 5.24%

Run 8: Report of Sprout — Data Link

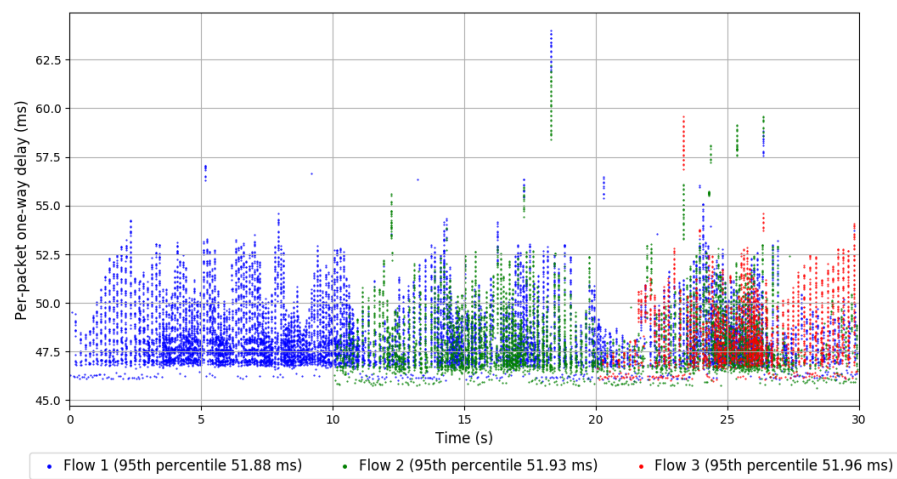
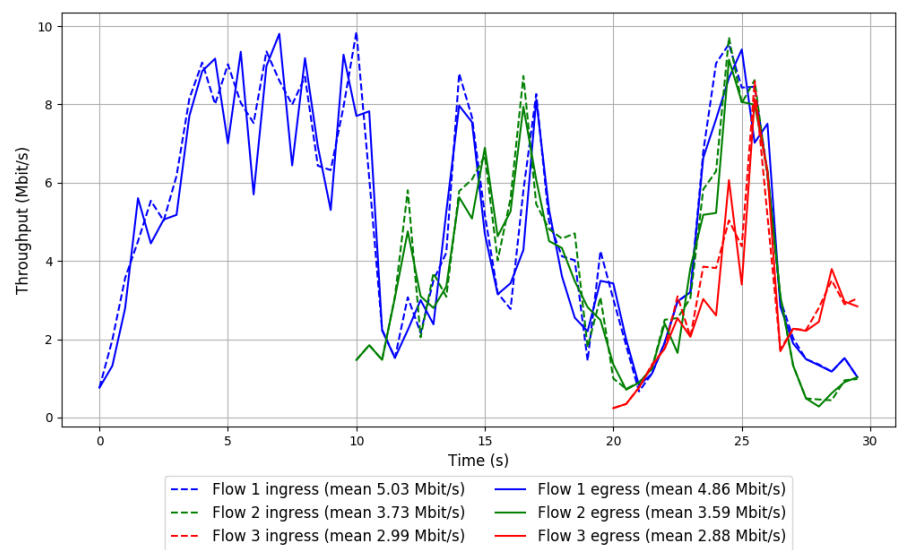


Run 9: Statistics of Sprout

Start at: 2017-12-01 12:49:51
End at: 2017-12-01 12:50:21
Local clock offset: 6.195 ms
Remote clock offset: -4.147 ms

Below is generated by plot.py at 2017-12-01 13:42:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 51.905 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 51.883 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 51.930 ms
Loss rate: 3.66%
-- Flow 3:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 51.961 ms
Loss rate: 3.70%

Run 9: Report of Sprout — Data Link

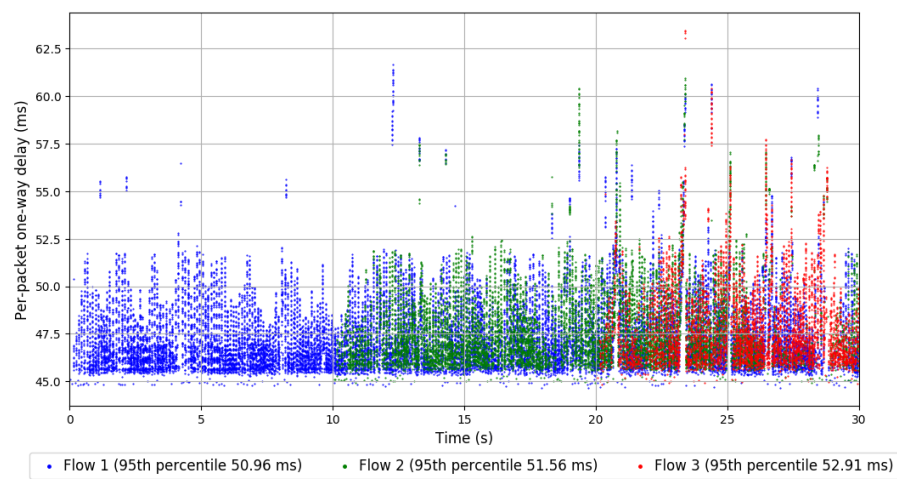
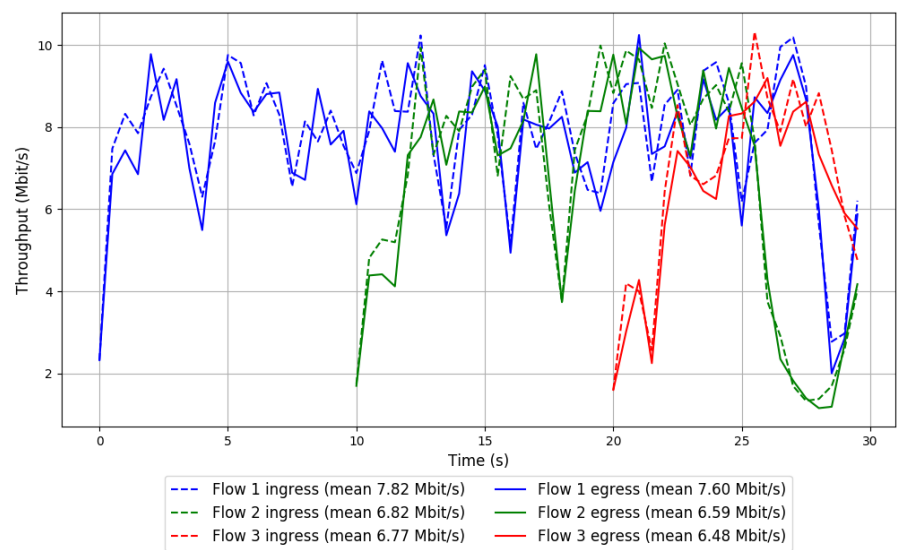


Run 10: Statistics of Sprout

Start at: 2017-12-01 13:07:56
End at: 2017-12-01 13:08:26
Local clock offset: 5.094 ms
Remote clock offset: -4.817 ms

Below is generated by plot.py at 2017-12-01 13:42:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 51.399 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 50.962 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 51.565 ms
Loss rate: 3.45%
-- Flow 3:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 52.905 ms
Loss rate: 4.33%

Run 10: Report of Sprout — Data Link

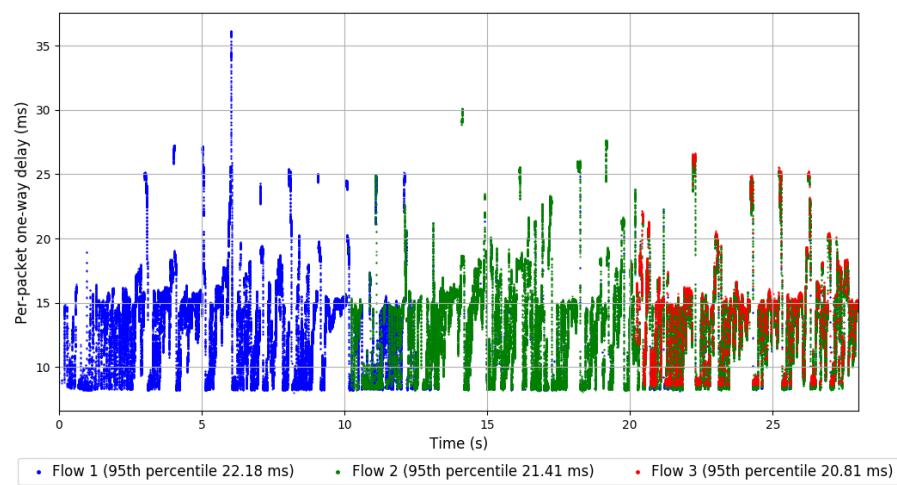
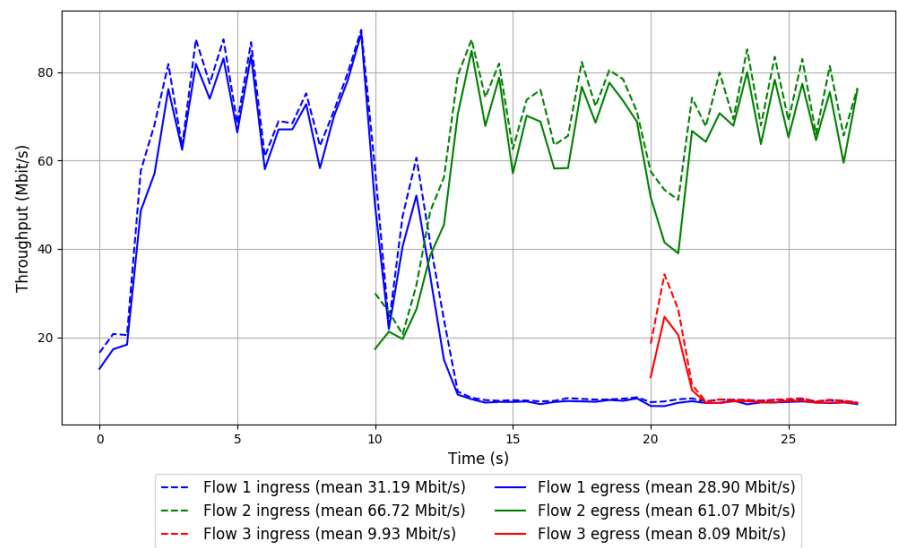


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-01 10:28:20
End at: 2017-12-01 10:28:50
Local clock offset: 3.157 ms
Remote clock offset: -37.774 ms

# Below is generated by plot.py at 2017-12-01 13:44:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.36 Mbit/s
95th percentile per-packet one-way delay: 21.579 ms
Loss rate: 8.37%
-- Flow 1:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 22.180 ms
Loss rate: 7.31%
-- Flow 2:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 8.48%
-- Flow 3:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 20.808 ms
Loss rate: 18.60%
```

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

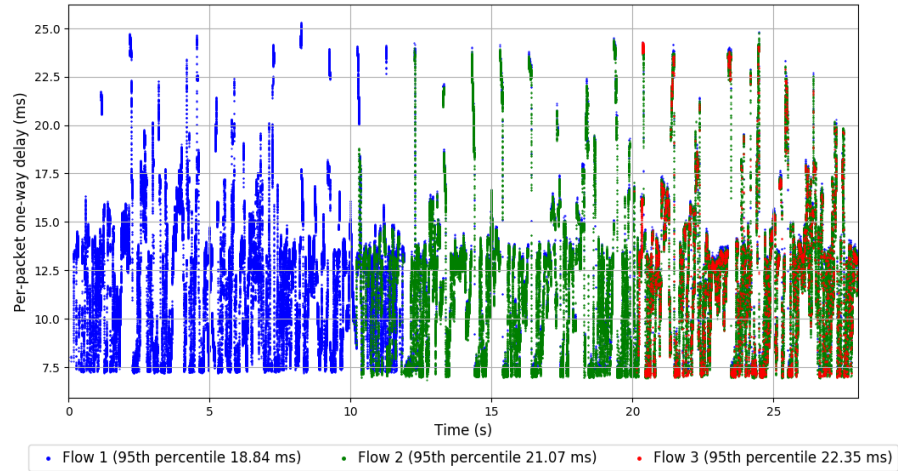
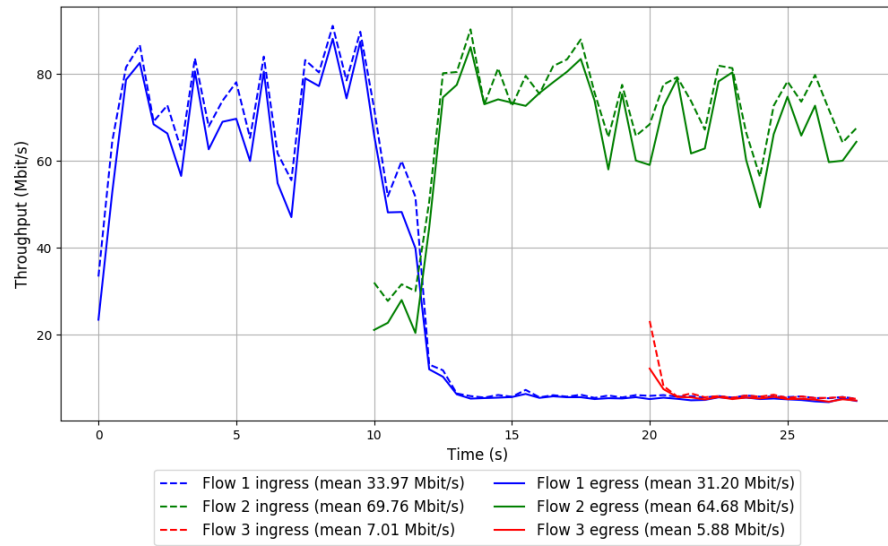


Run 2: Statistics of TaoVA-100x

Start at: 2017-12-01 10:46:36
End at: 2017-12-01 10:47:06
Local clock offset: 3.898 ms
Remote clock offset: -39.316 ms

Below is generated by plot.py at 2017-12-01 13:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 7.87%
-- Flow 1:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 18.838 ms
Loss rate: 8.15%
-- Flow 2:
Average throughput: 64.68 Mbit/s
95th percentile per-packet one-way delay: 21.074 ms
Loss rate: 7.29%
-- Flow 3:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 22.348 ms
Loss rate: 16.22%

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

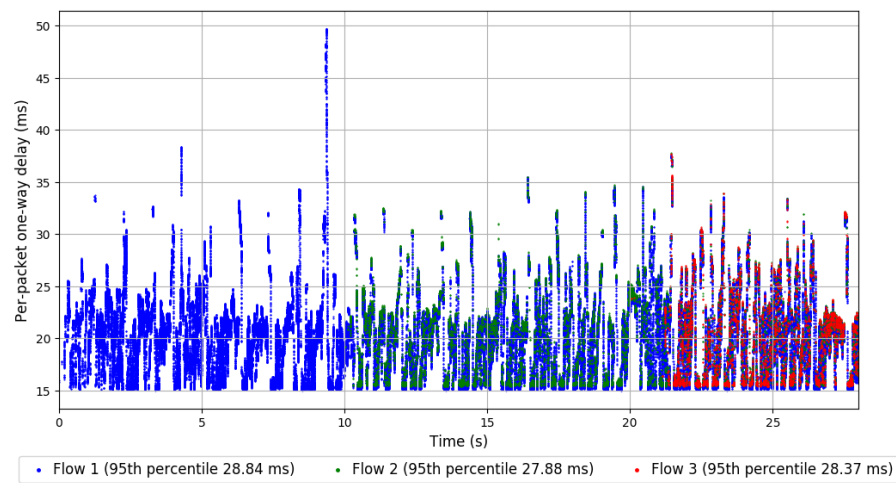
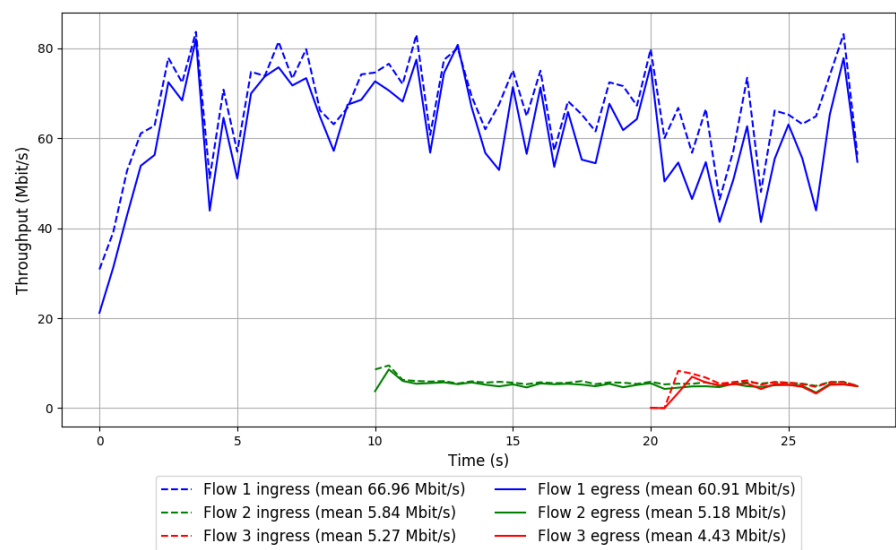


Run 3: Statistics of TaoVA-100x

Start at: 2017-12-01 11:04:56
End at: 2017-12-01 11:05:26
Local clock offset: 4.585 ms
Remote clock offset: -31.244 ms

Below is generated by plot.py at 2017-12-01 13:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.48 Mbit/s
95th percentile per-packet one-way delay: 28.800 ms
Loss rate: 9.29%
-- Flow 1:
Average throughput: 60.91 Mbit/s
95th percentile per-packet one-way delay: 28.838 ms
Loss rate: 9.03%
-- Flow 2:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 27.880 ms
Loss rate: 11.30%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 28.368 ms
Loss rate: 15.95%

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

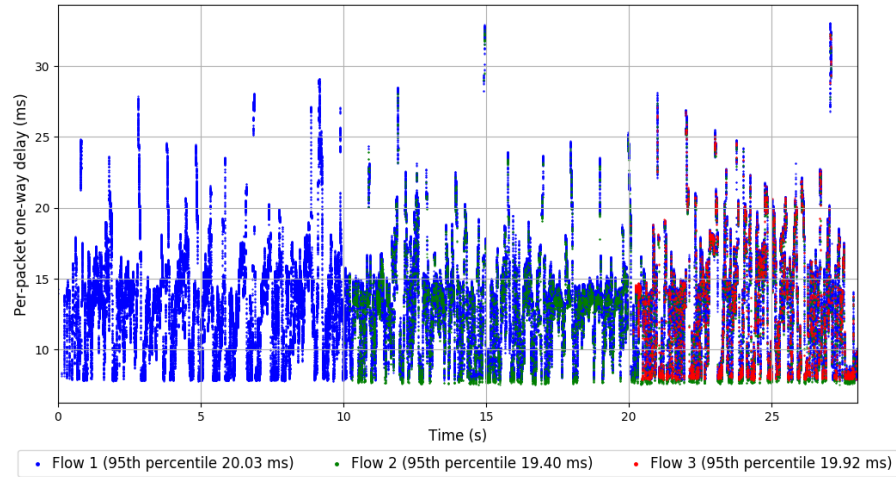
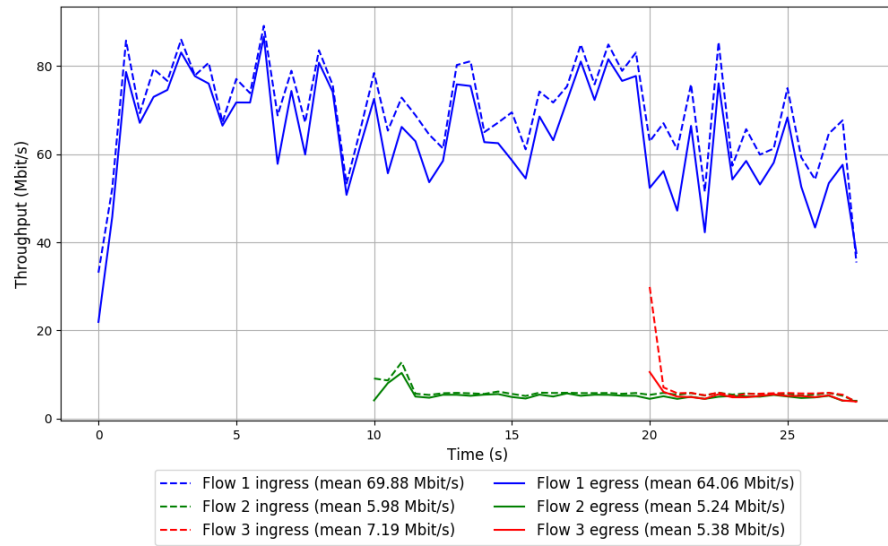


Run 4: Statistics of TaoVA-100x

Start at: 2017-12-01 11:22:55
End at: 2017-12-01 11:23:25
Local clock offset: 5.33 ms
Remote clock offset: -39.019 ms

Below is generated by plot.py at 2017-12-01 13:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.95 Mbit/s
95th percentile per-packet one-way delay: 19.996 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 64.06 Mbit/s
95th percentile per-packet one-way delay: 20.028 ms
Loss rate: 8.35%
-- Flow 2:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 19.403 ms
Loss rate: 12.41%
-- Flow 3:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 19.917 ms
Loss rate: 25.26%

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

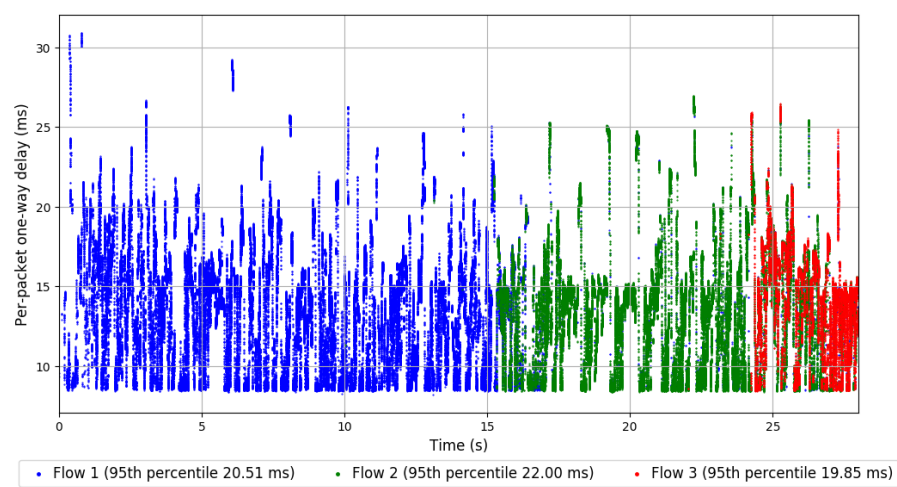
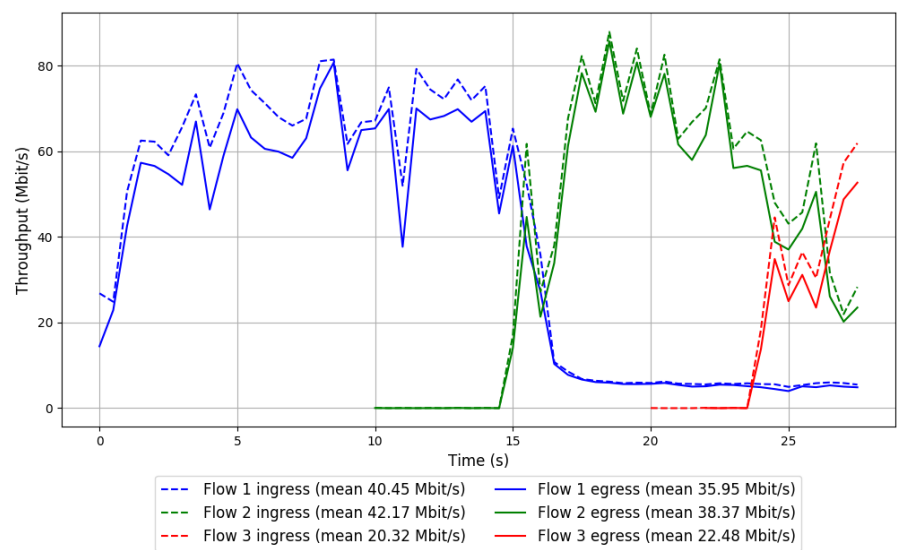


Run 5: Statistics of TaoVA-100x

Start at: 2017-12-01 11:41:13
End at: 2017-12-01 11:41:43
Local clock offset: 5.853 ms
Remote clock offset: -39.575 ms

Below is generated by plot.py at 2017-12-01 13:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.29 Mbit/s
95th percentile per-packet one-way delay: 20.904 ms
Loss rate: 10.80%
-- Flow 1:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 20.514 ms
Loss rate: 11.10%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 22.001 ms
Loss rate: 8.98%
-- Flow 3:
Average throughput: 22.48 Mbit/s
95th percentile per-packet one-way delay: 19.849 ms
Loss rate: 17.24%

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

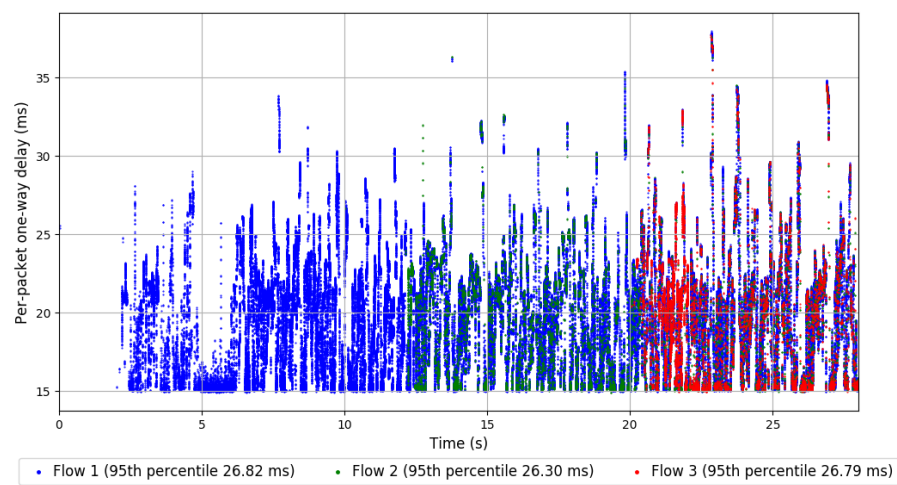
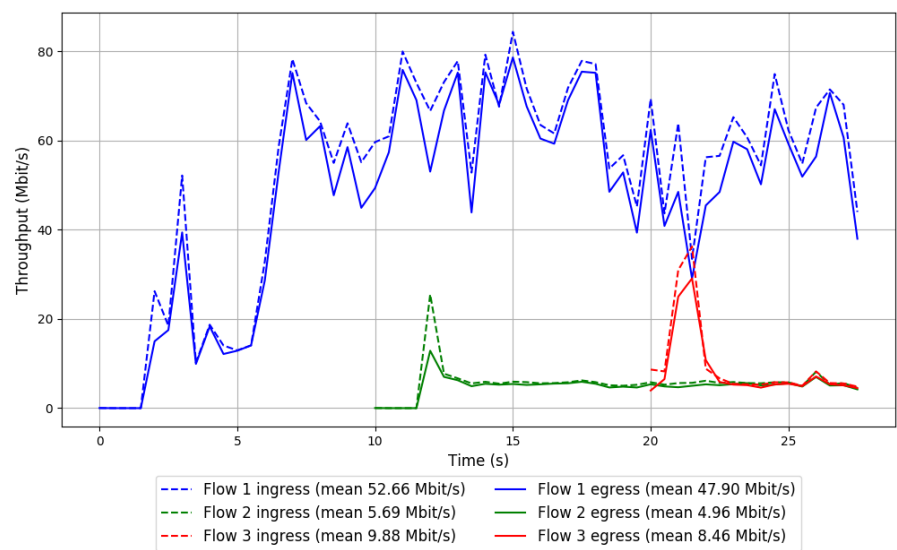


Run 6: Statistics of TaoVA-100x

Start at: 2017-12-01 11:59:50
End at: 2017-12-01 12:00:20
Local clock offset: 6.507 ms
Remote clock offset: -34.745 ms

Below is generated by plot.py at 2017-12-01 13:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 26.790 ms
Loss rate: 9.55%
-- Flow 1:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 26.820 ms
Loss rate: 9.06%
-- Flow 2:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: 26.301 ms
Loss rate: 12.93%
-- Flow 3:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 26.787 ms
Loss rate: 14.38%

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

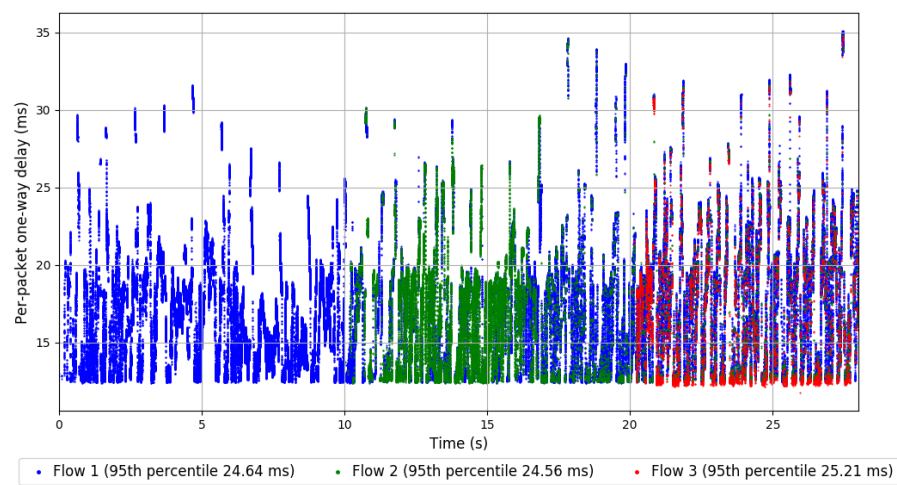
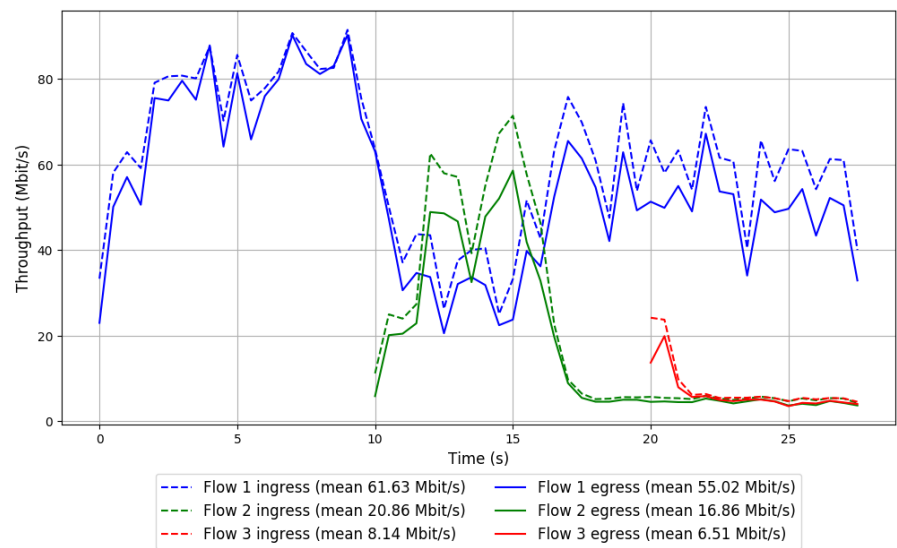


Run 7: Statistics of TaoVA-100x

Start at: 2017-12-01 12:17:54
End at: 2017-12-01 12:18:24
Local clock offset: 7.328 ms
Remote clock offset: -37.811 ms

Below is generated by plot.py at 2017-12-01 13:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.68 Mbit/s
95th percentile per-packet one-way delay: 24.664 ms
Loss rate: 12.46%
-- Flow 1:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 24.644 ms
Loss rate: 10.72%
-- Flow 2:
Average throughput: 16.86 Mbit/s
95th percentile per-packet one-way delay: 24.556 ms
Loss rate: 19.17%
-- Flow 3:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 25.212 ms
Loss rate: 19.98%

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

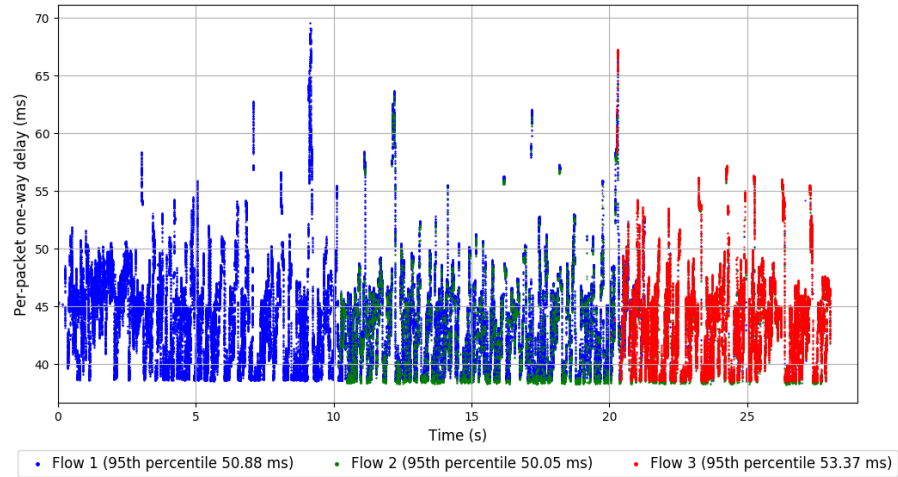
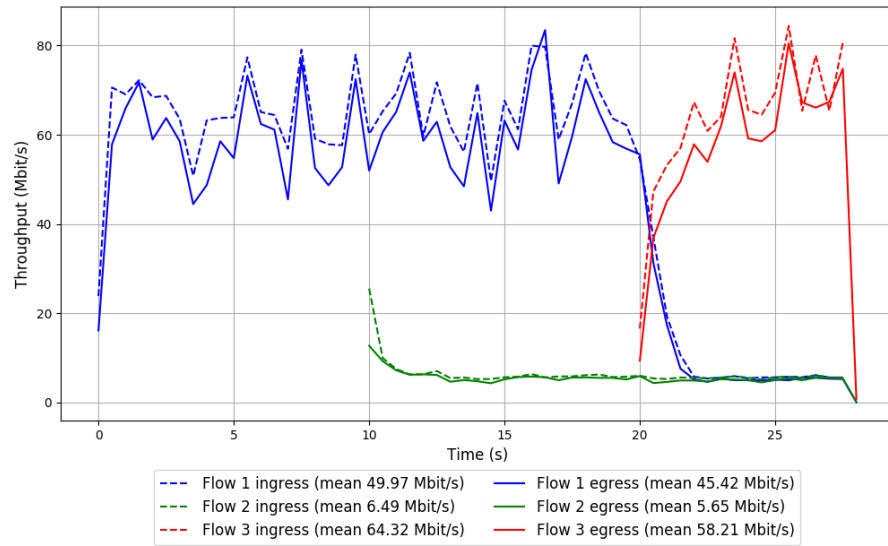


Run 8: Statistics of TaoVA-100x

Start at: 2017-12-01 12:38:35
End at: 2017-12-01 12:39:05
Local clock offset: 6.629 ms
Remote clock offset: -11.859 ms

Below is generated by plot.py at 2017-12-01 13:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.57 Mbit/s
95th percentile per-packet one-way delay: 51.514 ms
Loss rate: 9.44%
-- Flow 1:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 50.880 ms
Loss rate: 9.12%
-- Flow 2:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 50.049 ms
Loss rate: 12.96%
-- Flow 3:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 53.371 ms
Loss rate: 9.51%

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

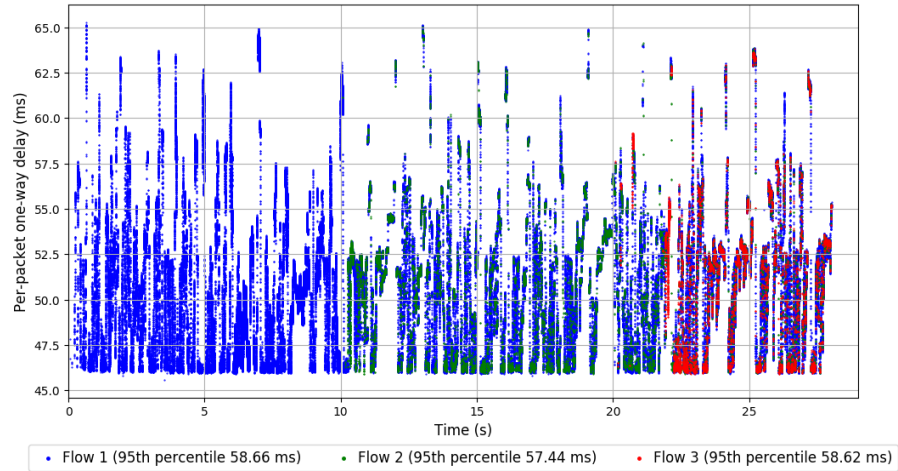
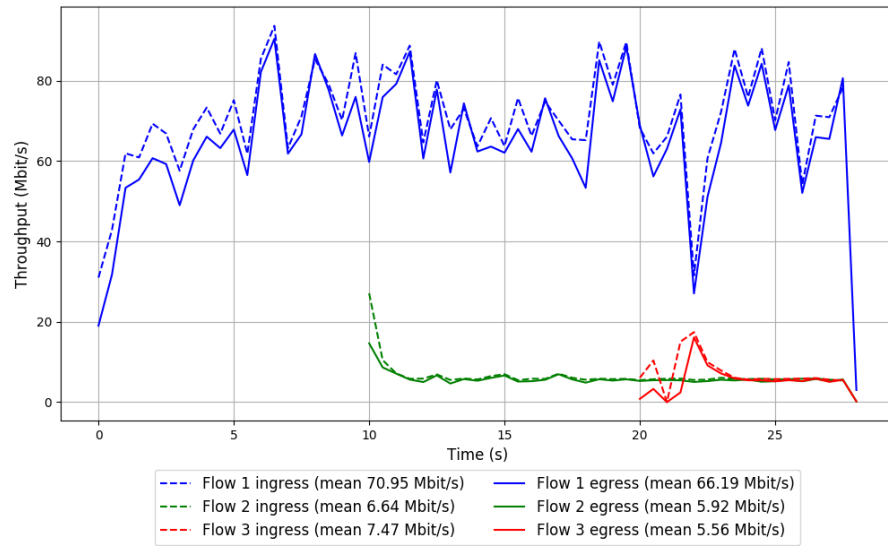


Run 9: Statistics of TaoVA-100x

Start at: 2017-12-01 12:57:19
End at: 2017-12-01 12:57:49
Local clock offset: 6.082 ms
Remote clock offset: -4.207 ms

Below is generated by plot.py at 2017-12-01 13:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.57 Mbit/s
95th percentile per-packet one-way delay: 58.618 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 58.655 ms
Loss rate: 6.67%
-- Flow 2:
Average throughput: 5.92 Mbit/s
95th percentile per-packet one-way delay: 57.443 ms
Loss rate: 10.83%
-- Flow 3:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 58.623 ms
Loss rate: 25.63%

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

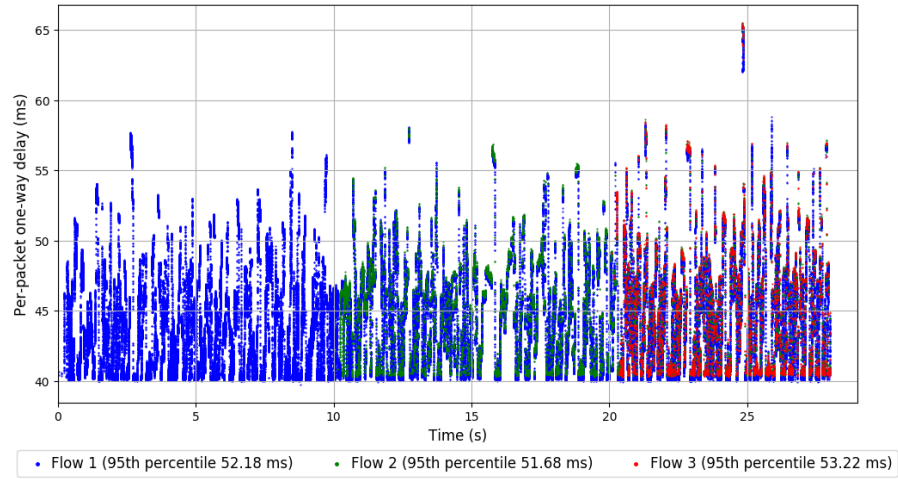
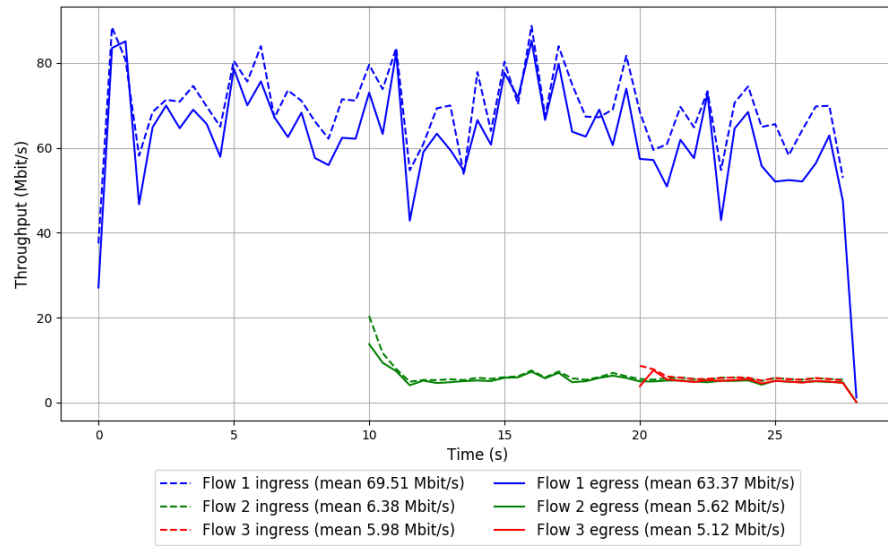


```
Run 10: Statistics of TaoVA-100x

Start at: 2017-12-01 13:15:58
End at: 2017-12-01 13:16:28
Local clock offset: 4.532 ms
Remote clock offset: -9.618 ms

# Below is generated by plot.py at 2017-12-01 13:45:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 52.182 ms
Loss rate: 9.11%
-- Flow 1:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 52.182 ms
Loss rate: 8.82%
-- Flow 2:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 51.684 ms
Loss rate: 11.85%
-- Flow 3:
Average throughput: 5.12 Mbit/s
95th percentile per-packet one-way delay: 53.215 ms
Loss rate: 14.39%
```

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

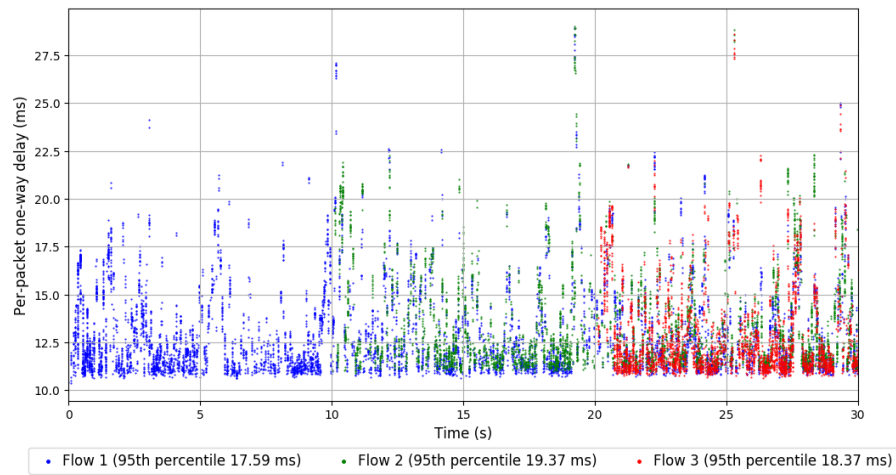
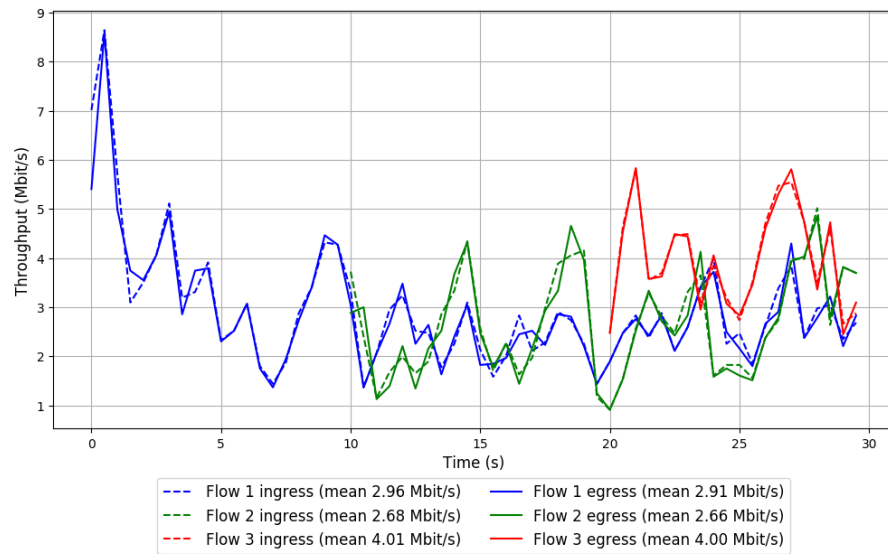


Run 1: Statistics of TCP Vegas

Start at: 2017-12-01 10:29:46
End at: 2017-12-01 10:30:16
Local clock offset: 3.433 ms
Remote clock offset: -35.176 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.00 Mbit/s
95th percentile per-packet one-way delay: 18.479 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 17.587 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 19.367 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 18.372 ms
Loss rate: 0.21%

Run 1: Report of TCP Vegas — Data Link

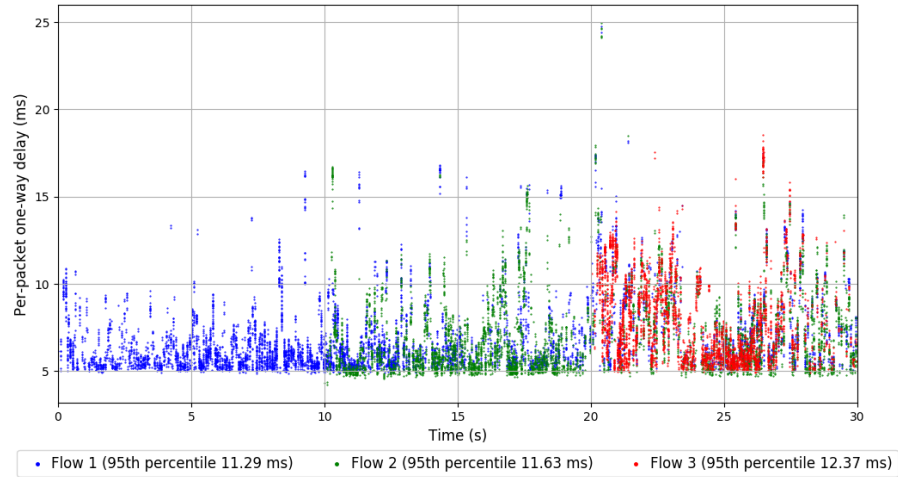
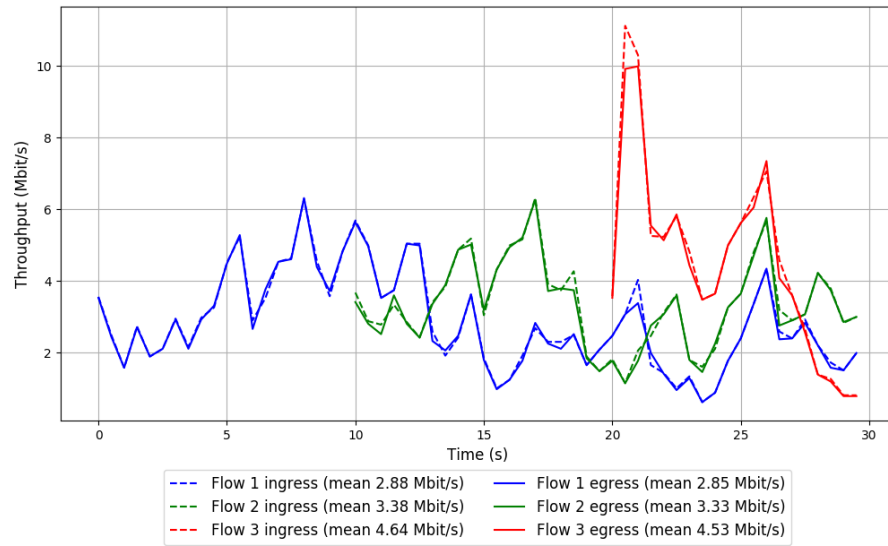


Run 2: Statistics of TCP Vegas

Start at: 2017-12-01 10:47:57
End at: 2017-12-01 10:48:27
Local clock offset: 3.912 ms
Remote clock offset: -41.773 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 11.865 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 11.295 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 11.634 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 12.365 ms
Loss rate: 2.62%

Run 2: Report of TCP Vegas — Data Link

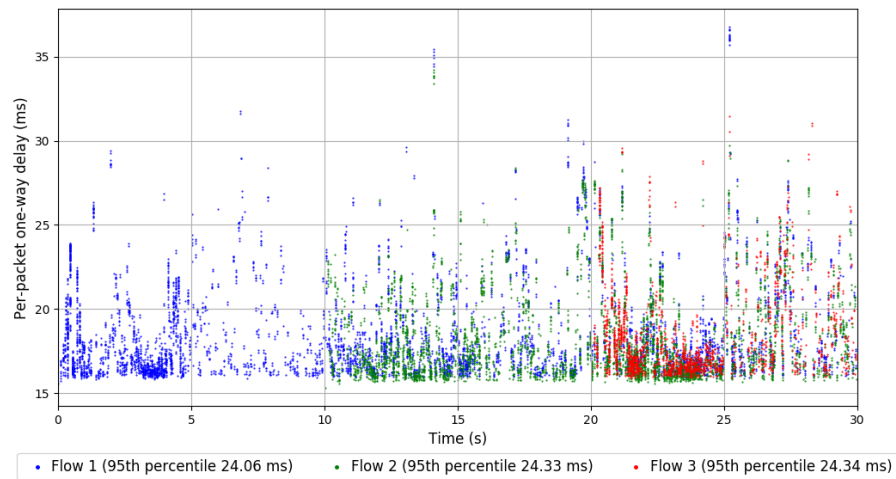
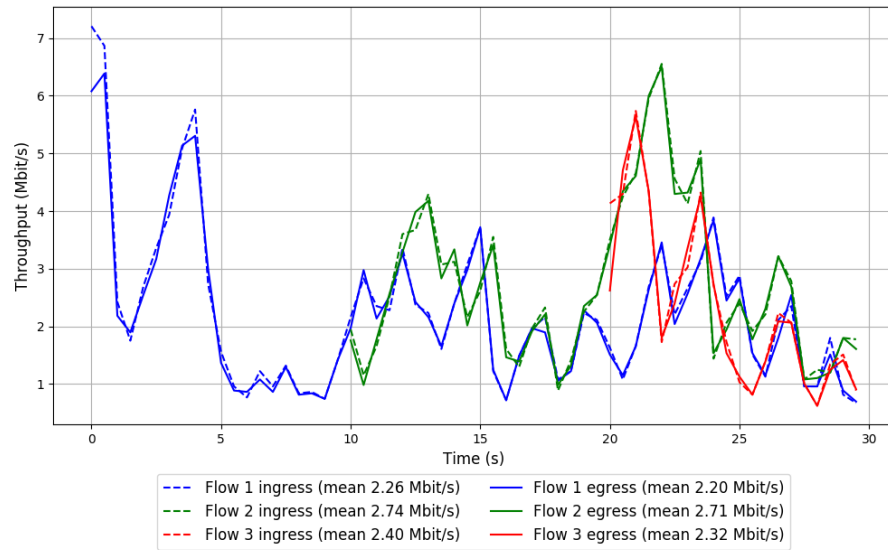


Run 3: Statistics of TCP Vegas

Start at: 2017-12-01 11:06:22
End at: 2017-12-01 11:06:52
Local clock offset: 4.889 ms
Remote clock offset: -30.535 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 24.227 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 24.061 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 24.333 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 24.335 ms
Loss rate: 3.27%

Run 3: Report of TCP Vegas — Data Link

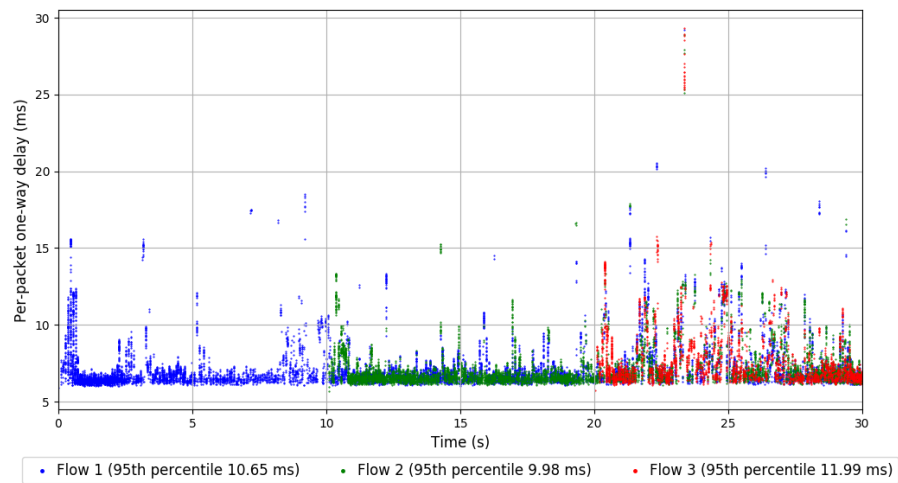
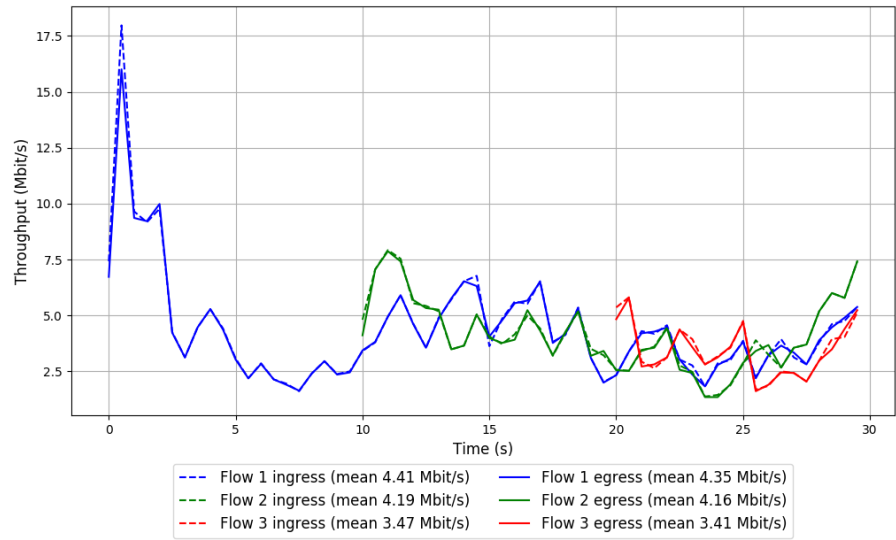


Run 4: Statistics of TCP Vegas

Start at: 2017-12-01 11:24:27
End at: 2017-12-01 11:24:57
Local clock offset: 5.53 ms
Remote clock offset: -40.716 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 10.780 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 10.650 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 9.979 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 11.992 ms
Loss rate: 1.57%

Run 4: Report of TCP Vegas — Data Link

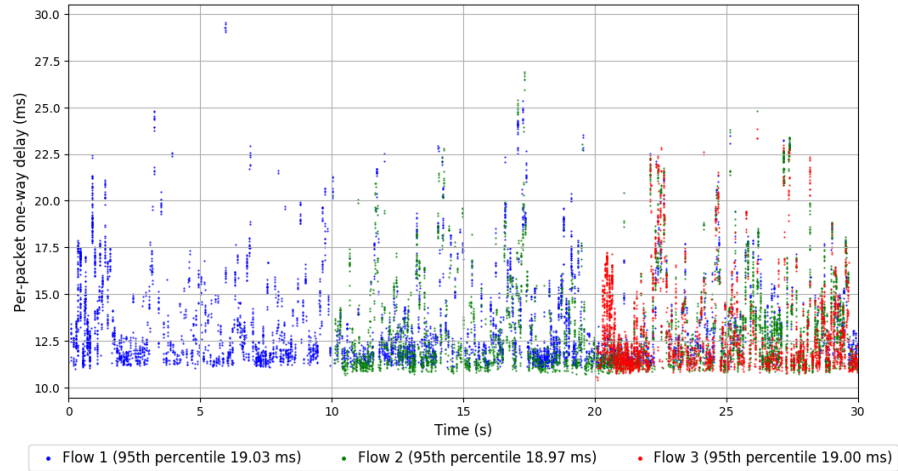
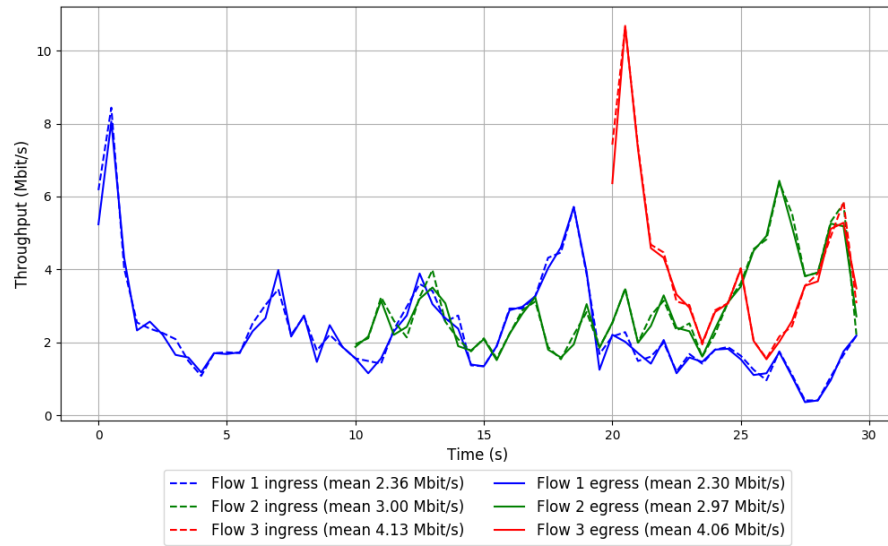


Run 5: Statistics of TCP Vegas

Start at: 2017-12-01 11:42:43
End at: 2017-12-01 11:43:13
Local clock offset: 6.083 ms
Remote clock offset: -37.253 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 19.021 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.027 ms
Loss rate: 2.28%
-- Flow 2:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 18.969 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 19.005 ms
Loss rate: 1.75%

Run 5: Report of TCP Vegas — Data Link

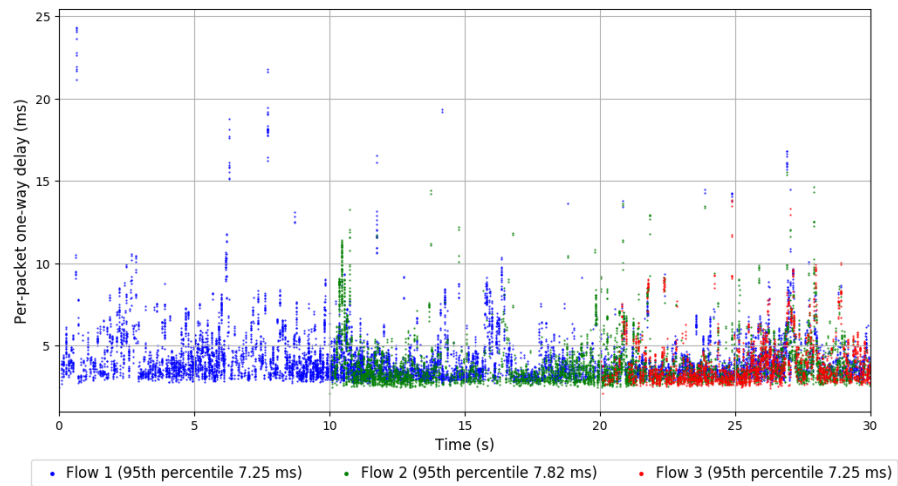
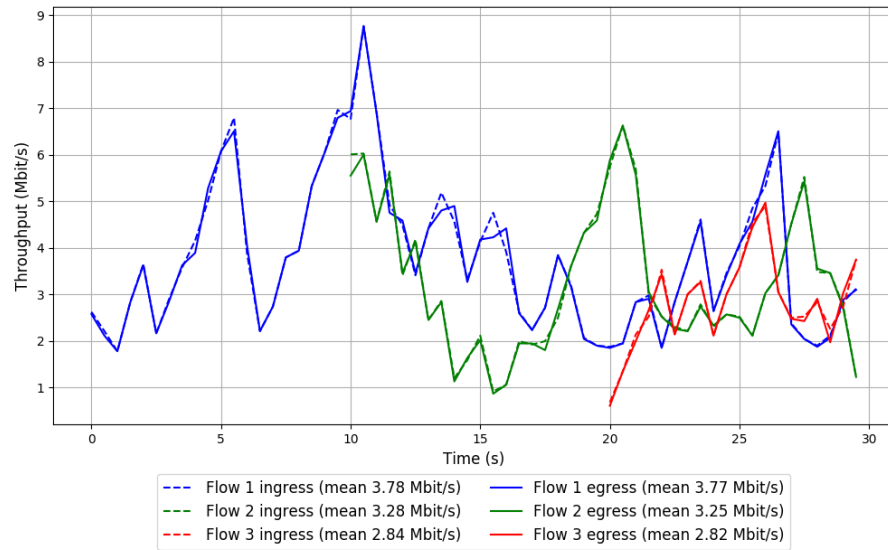


Run 6: Statistics of TCP Vegas

Start at: 2017-12-01 12:01:15
End at: 2017-12-01 12:01:45
Local clock offset: 6.753 ms
Remote clock offset: -46.924 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 7.432 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 7.252 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 7.817 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 7.252 ms
Loss rate: 0.47%

Run 6: Report of TCP Vegas — Data Link

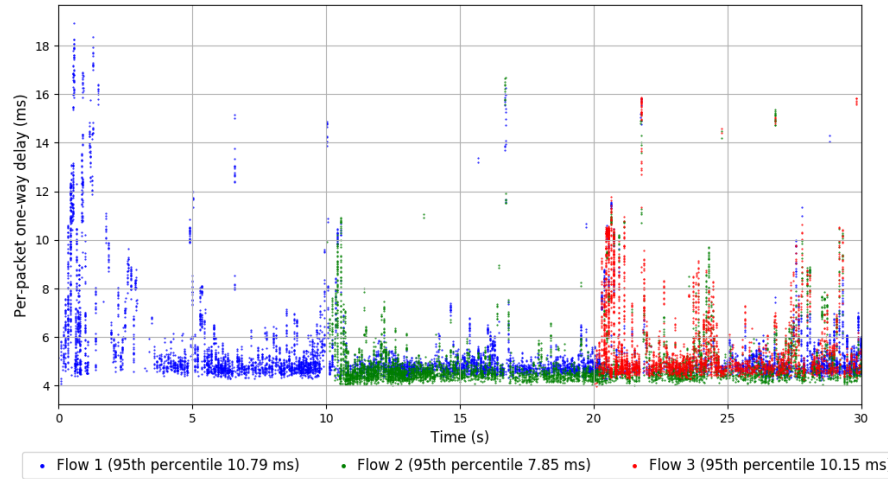
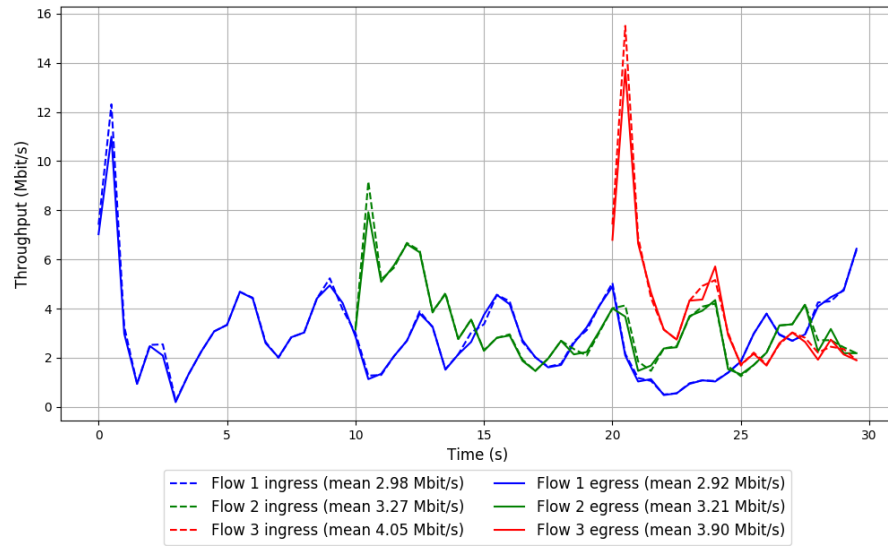


Run 7: Statistics of TCP Vegas

Start at: 2017-12-01 12:19:19
End at: 2017-12-01 12:19:49
Local clock offset: 7.423 ms
Remote clock offset: -45.884 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 9.944 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 10.794 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 7.849 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 10.153 ms
Loss rate: 3.64%

Run 7: Report of TCP Vegas — Data Link

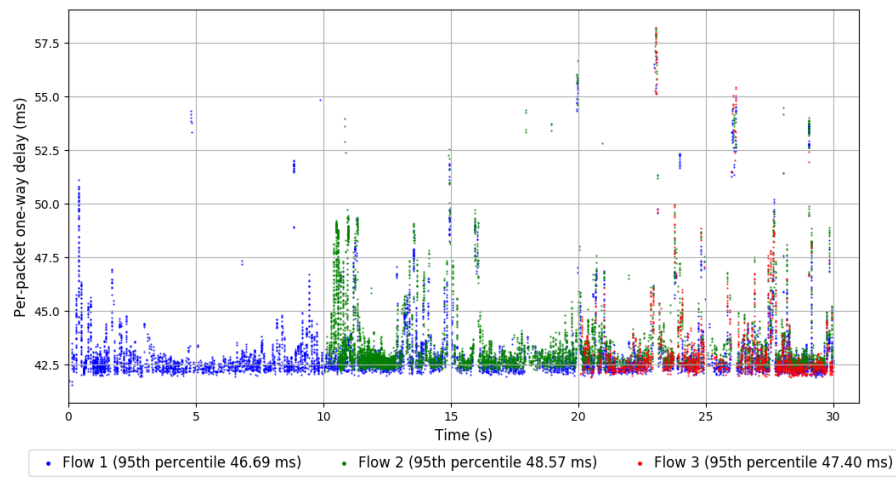
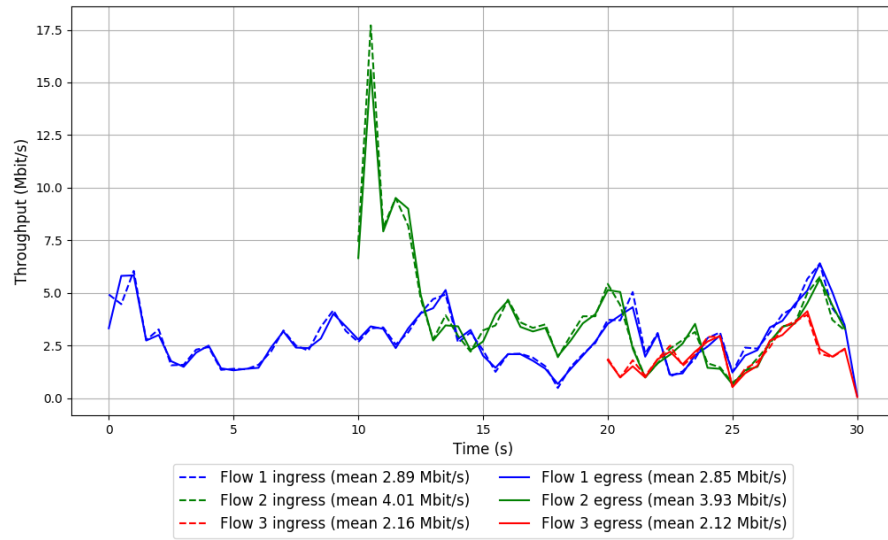


Run 8: Statistics of TCP Vegas

Start at: 2017-12-01 12:40:09
End at: 2017-12-01 12:40:39
Local clock offset: 6.585 ms
Remote clock offset: -8.245 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 47.846 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 46.692 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 48.568 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 47.396 ms
Loss rate: 1.73%

Run 8: Report of TCP Vegas — Data Link

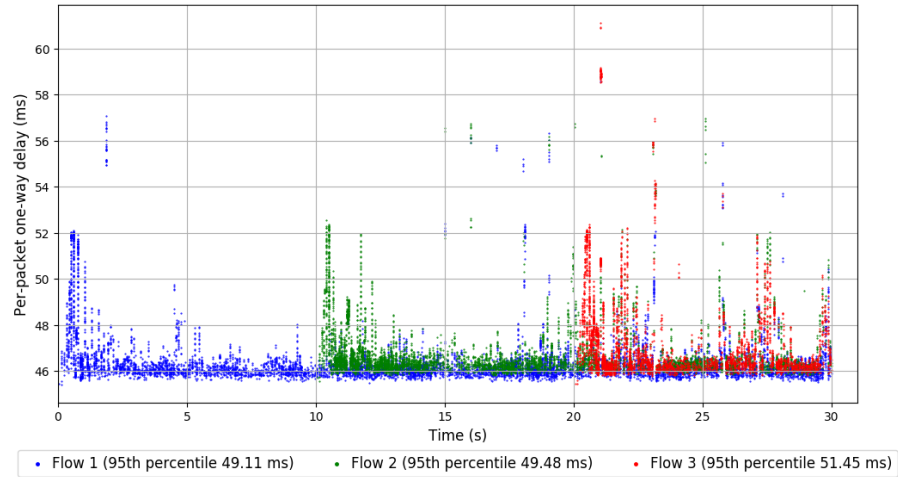
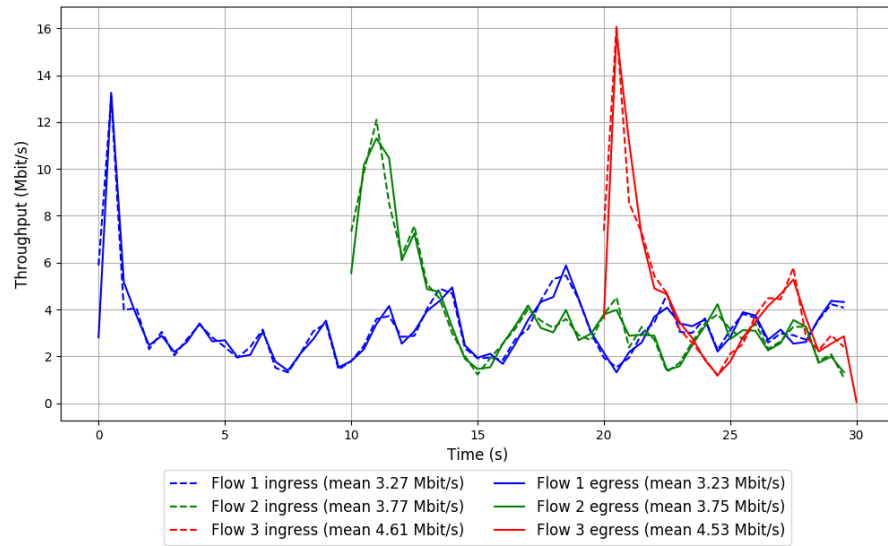


Run 9: Statistics of TCP Vegas

Start at: 2017-12-01 12:58:42
End at: 2017-12-01 12:59:12
Local clock offset: 5.974 ms
Remote clock offset: -4.559 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 50.133 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 49.109 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 49.476 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 51.455 ms
Loss rate: 1.86%

Run 9: Report of TCP Vegas — Data Link

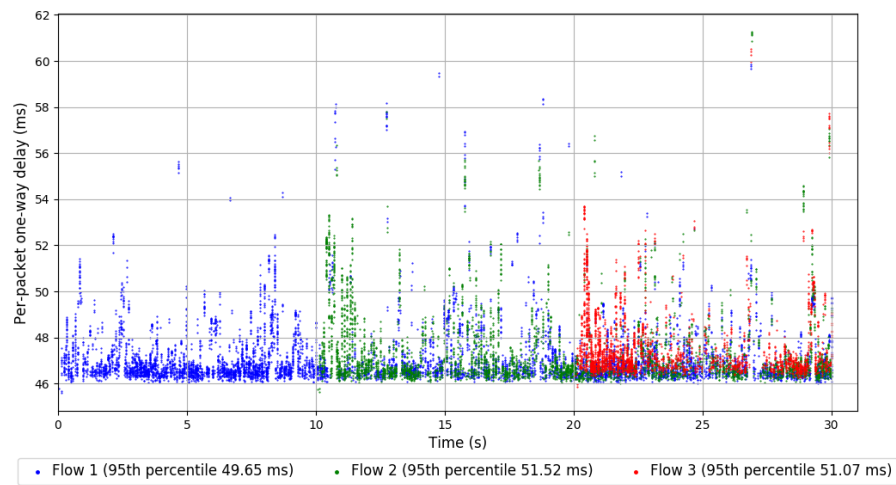
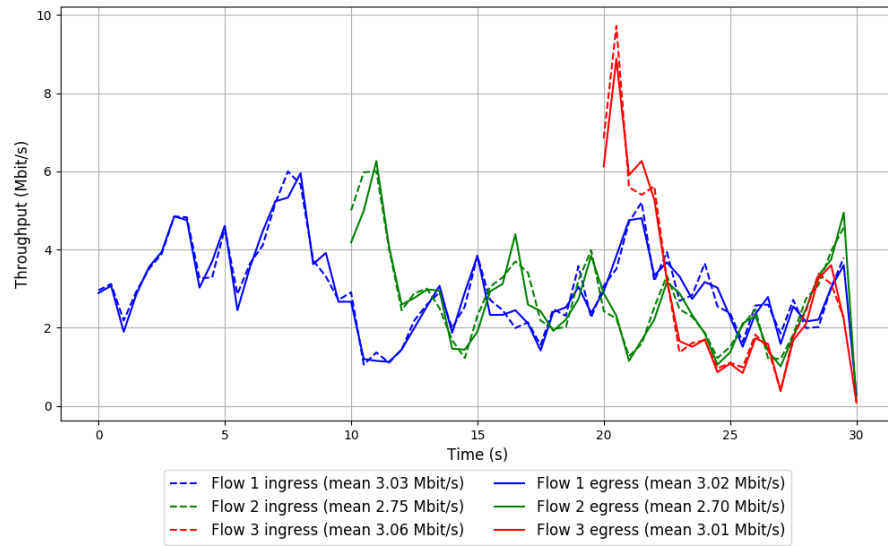


Run 10: Statistics of TCP Vegas

Start at: 2017-12-01 13:17:36
End at: 2017-12-01 13:18:06
Local clock offset: 4.511 ms
Remote clock offset: -3.494 ms

Below is generated by plot.py at 2017-12-01 13:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 50.570 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 49.645 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 51.524 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 51.067 ms
Loss rate: 1.34%

Run 10: Report of TCP Vegas — Data Link

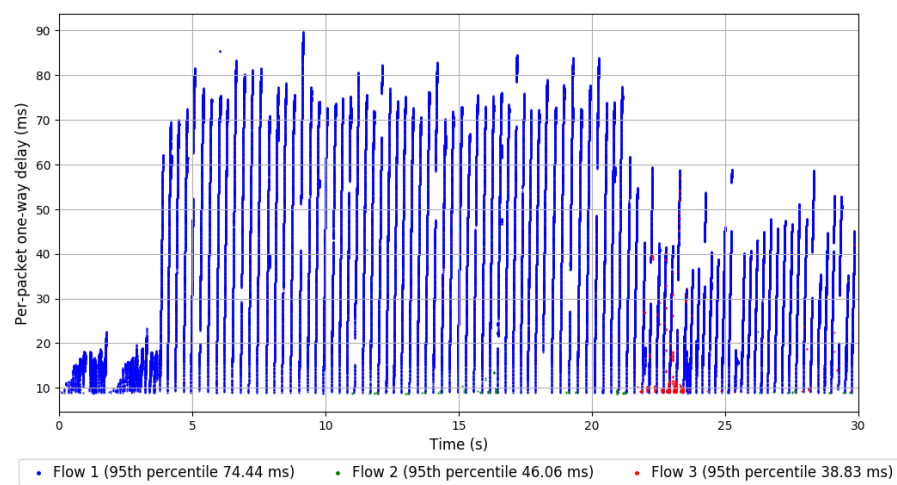
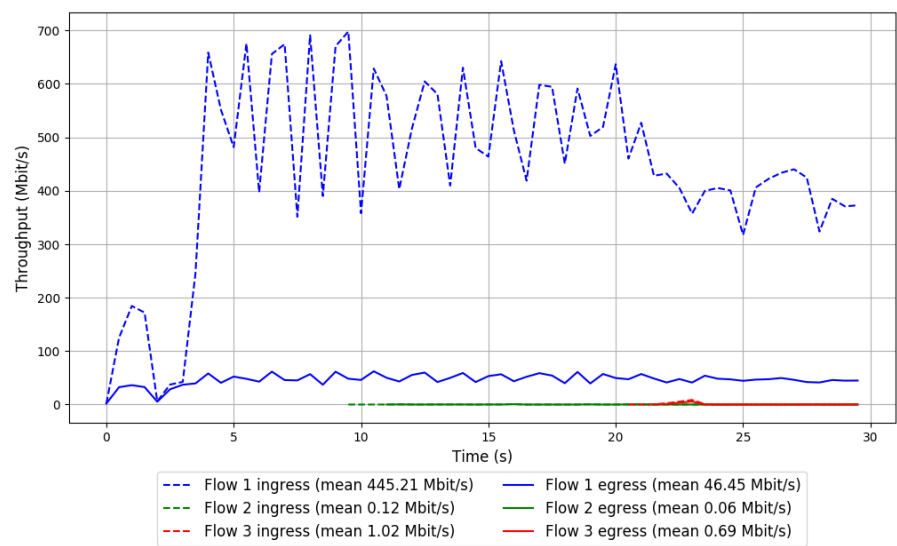


Run 1: Statistics of Verus

Start at: 2017-12-01 10:23:11
End at: 2017-12-01 10:23:41
Local clock offset: 3.079 ms
Remote clock offset: -36.946 ms

Below is generated by plot.py at 2017-12-01 13:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 74.416 ms
Loss rate: 89.51%
-- Flow 1:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 74.436 ms
Loss rate: 89.55%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 46.056 ms
Loss rate: 50.24%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 38.825 ms
Loss rate: 39.34%

Run 1: Report of Verus — Data Link

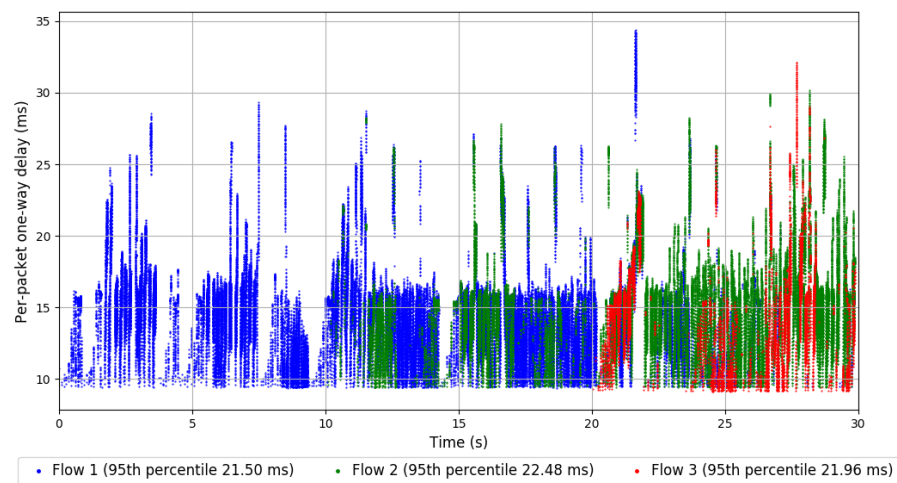
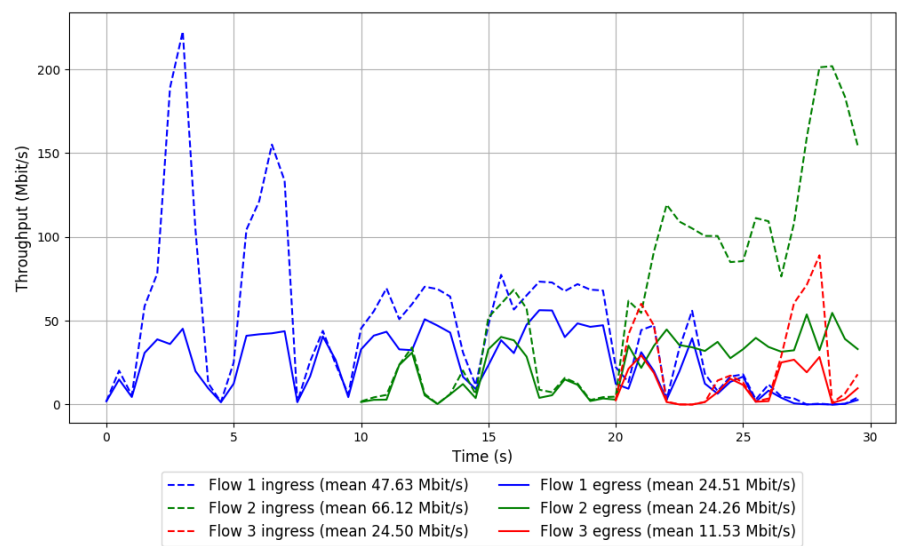


Run 2: Statistics of Verus

Start at: 2017-12-01 10:41:21
End at: 2017-12-01 10:41:51
Local clock offset: 3.765 ms
Remote clock offset: -36.998 ms

Below is generated by plot.py at 2017-12-01 13:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 21.940 ms
Loss rate: 55.40%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 21.500 ms
Loss rate: 48.54%
-- Flow 2:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 22.480 ms
Loss rate: 63.29%
-- Flow 3:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 21.959 ms
Loss rate: 52.89%

Run 2: Report of Verus — Data Link

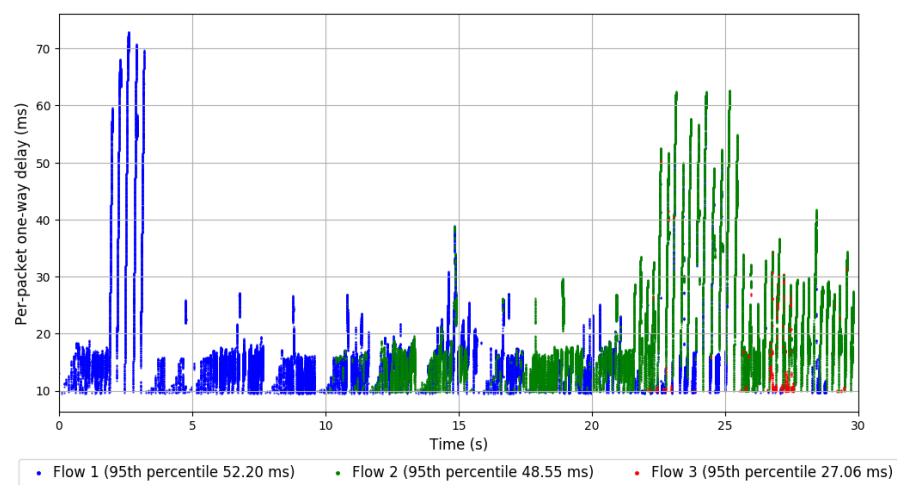
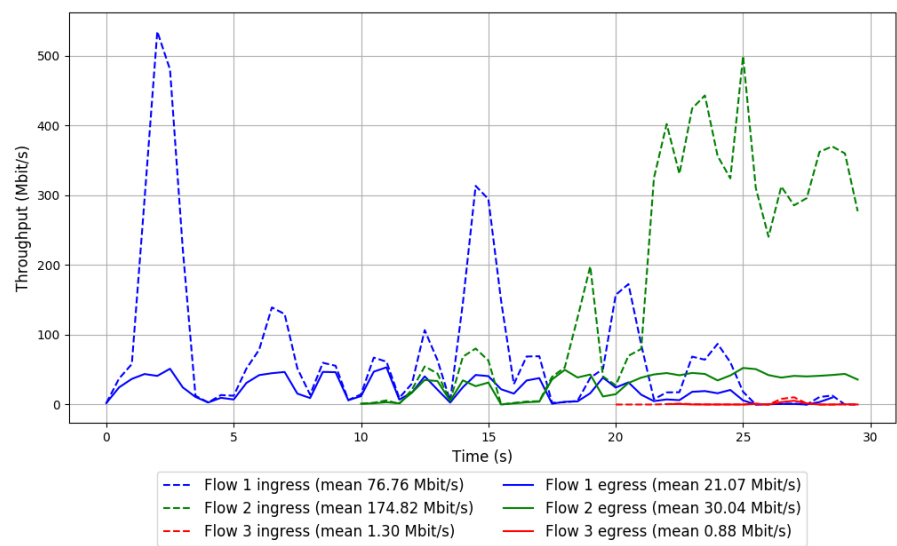


Run 3: Statistics of Verus

Start at: 2017-12-01 10:59:52
End at: 2017-12-01 11:00:22
Local clock offset: 4.375 ms
Remote clock offset: -36.826 ms

Below is generated by plot.py at 2017-12-01 13:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 49.570 ms
Loss rate: 79.02%
-- Flow 1:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 52.199 ms
Loss rate: 73.48%
-- Flow 2:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 48.552 ms
Loss rate: 82.80%
-- Flow 3:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 27.057 ms
Loss rate: 46.33%

Run 3: Report of Verus — Data Link

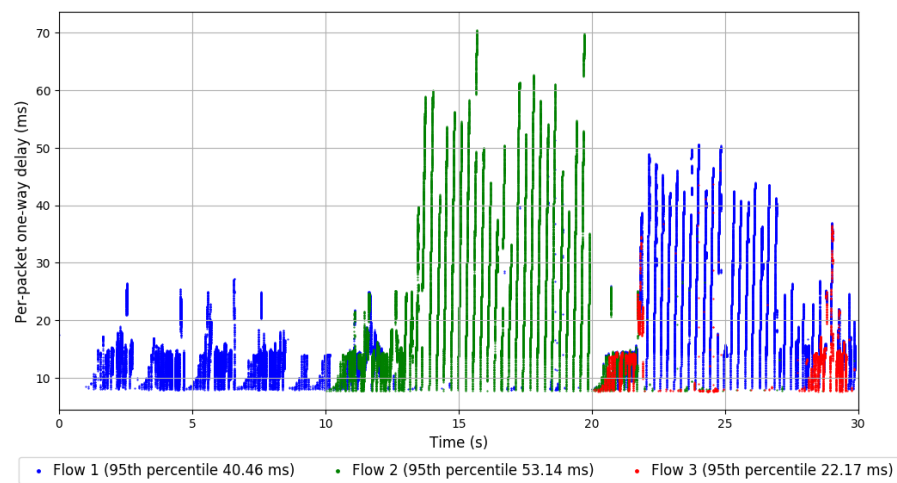
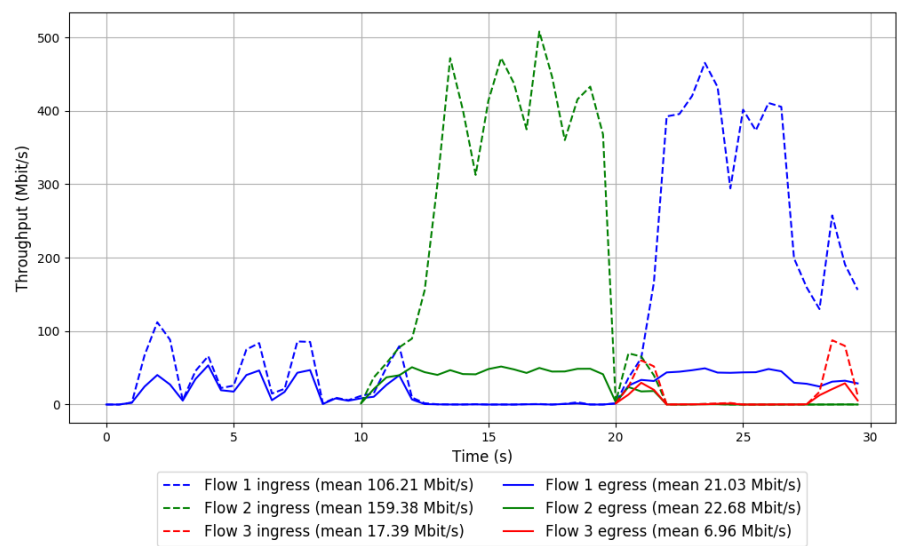


Run 4: Statistics of Verus

Start at: 2017-12-01 11:17:44
End at: 2017-12-01 11:18:14
Local clock offset: 5.204 ms
Remote clock offset: -38.661 ms

Below is generated by plot.py at 2017-12-01 13:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 46.356 ms
Loss rate: 82.37%
-- Flow 1:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 40.464 ms
Loss rate: 80.20%
-- Flow 2:
Average throughput: 22.68 Mbit/s
95th percentile per-packet one-way delay: 53.140 ms
Loss rate: 85.77%
-- Flow 3:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 22.167 ms
Loss rate: 59.94%

Run 4: Report of Verus — Data Link

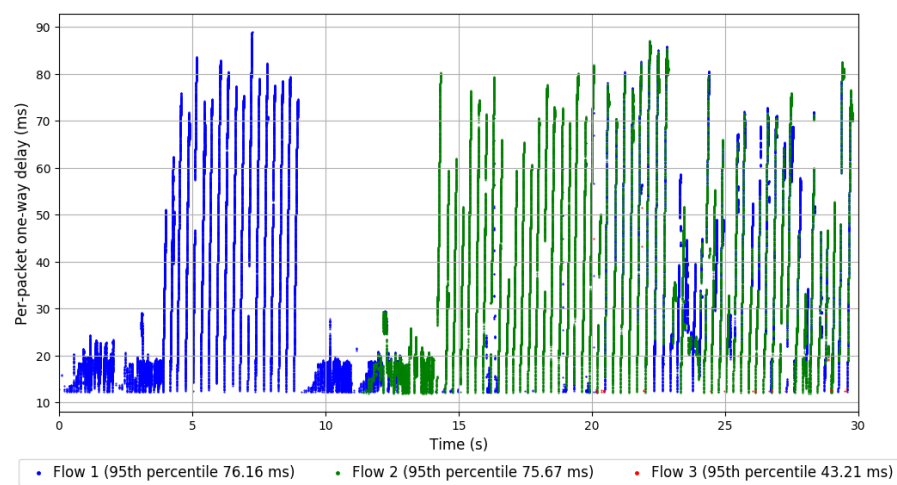
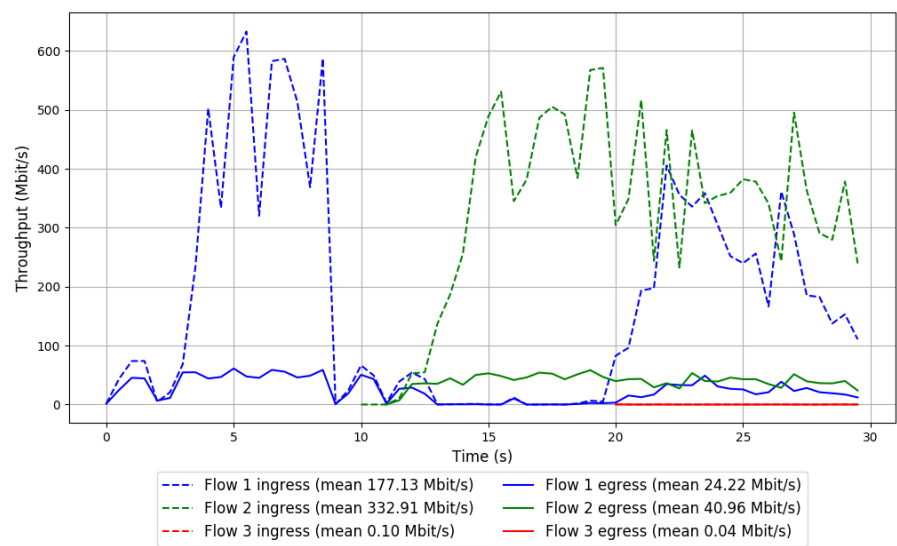


Run 5: Statistics of Verus

Start at: 2017-12-01 11:35:57
End at: 2017-12-01 11:36:27
Local clock offset: 5.806 ms
Remote clock offset: -35.522 ms

Below is generated by plot.py at 2017-12-01 13:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.56 Mbit/s
95th percentile per-packet one-way delay: 75.919 ms
Loss rate: 87.40%
-- Flow 1:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 76.156 ms
Loss rate: 86.30%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 75.669 ms
Loss rate: 88.30%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 43.212 ms
Loss rate: 58.54%

Run 5: Report of Verus — Data Link

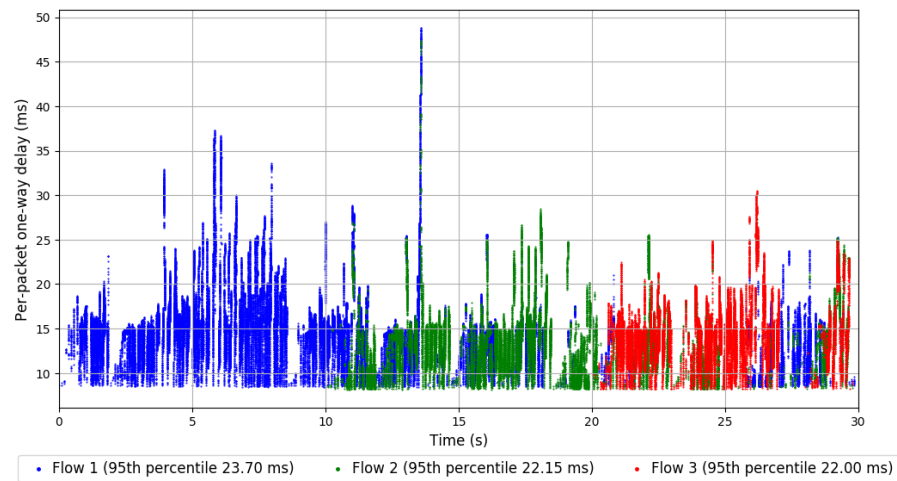
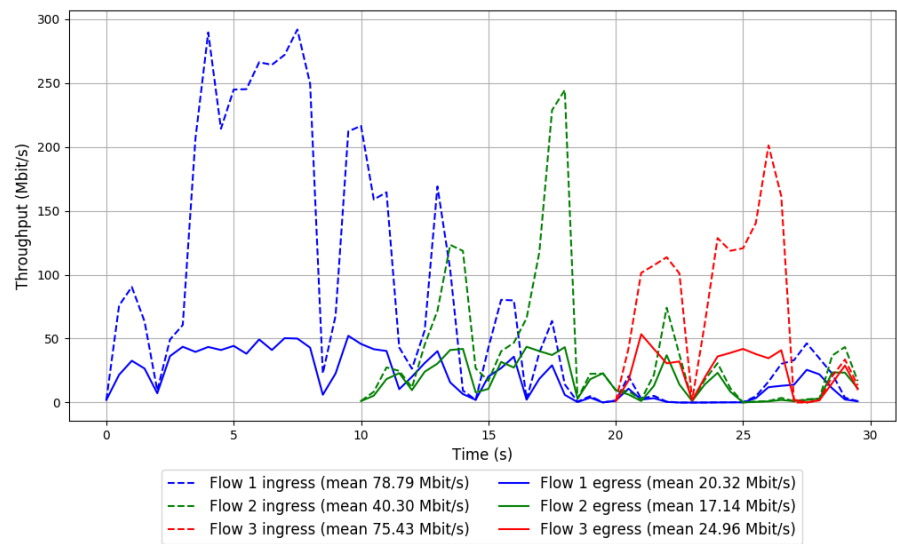


Run 6: Statistics of Verus

Start at: 2017-12-01 11:54:44
End at: 2017-12-01 11:55:14
Local clock offset: 6.294 ms
Remote clock offset: -40.819 ms

Below is generated by plot.py at 2017-12-01 13:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 22.882 ms
Loss rate: 69.39%
-- Flow 1:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 23.704 ms
Loss rate: 74.21%
-- Flow 2:
Average throughput: 17.14 Mbit/s
95th percentile per-packet one-way delay: 22.148 ms
Loss rate: 57.46%
-- Flow 3:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 21.999 ms
Loss rate: 66.91%

Run 6: Report of Verus — Data Link

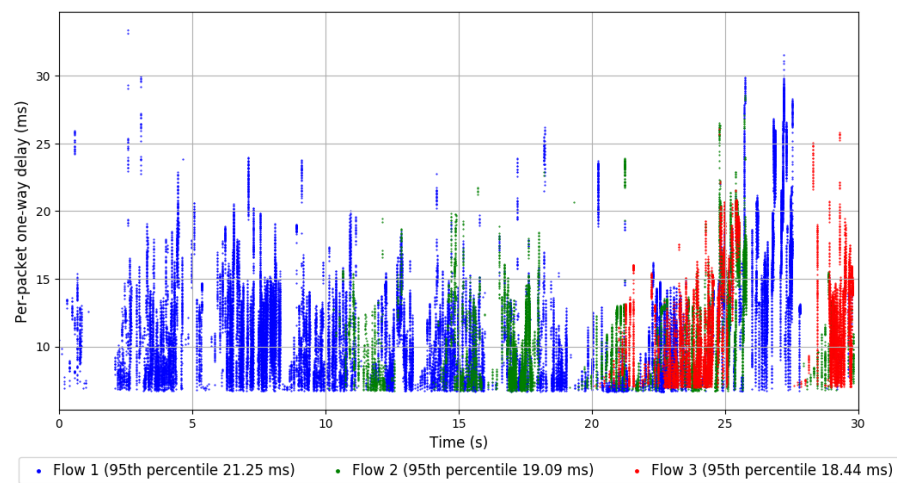
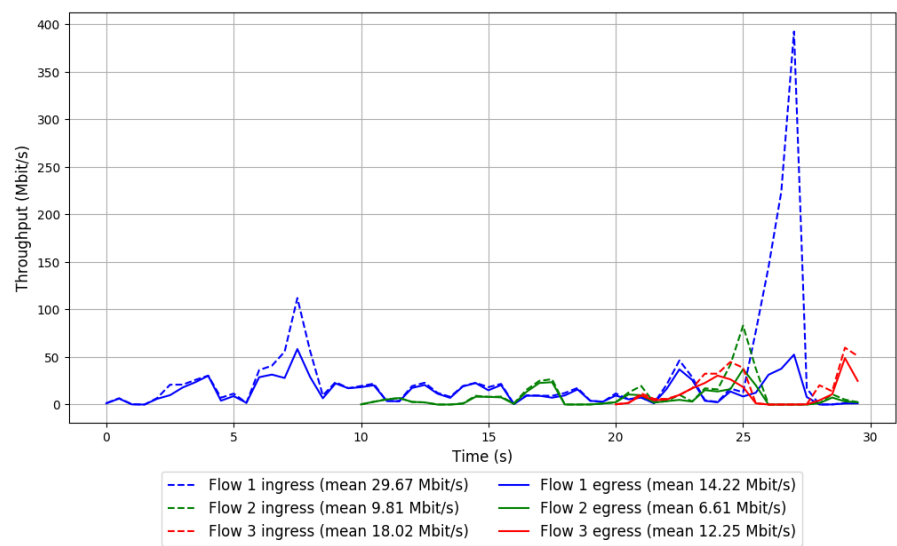


Run 7: Statistics of Verus

Start at: 2017-12-01 12:12:41
End at: 2017-12-01 12:13:11
Local clock offset: 7.171 ms
Remote clock offset: -42.998 ms

Below is generated by plot.py at 2017-12-01 13:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 19.932 ms
Loss rate: 46.26%
-- Flow 1:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 21.255 ms
Loss rate: 52.06%
-- Flow 2:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 32.65%
-- Flow 3:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 18.444 ms
Loss rate: 31.95%

Run 7: Report of Verus — Data Link

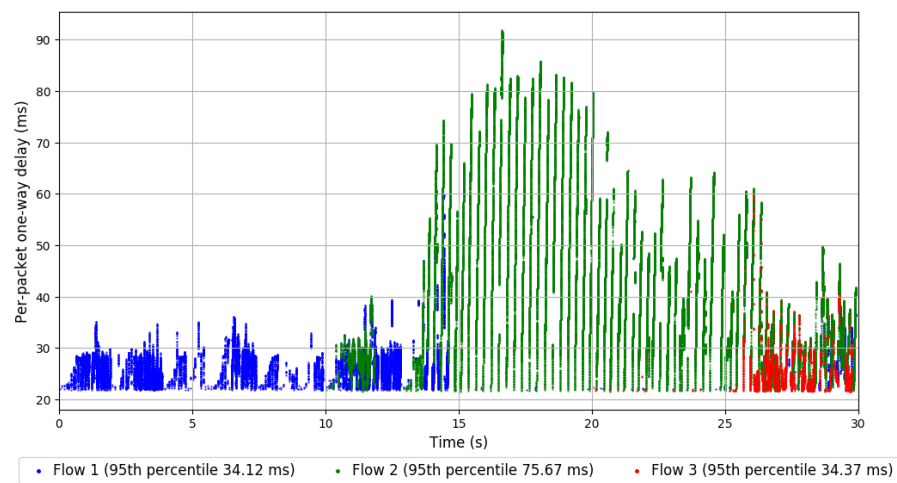
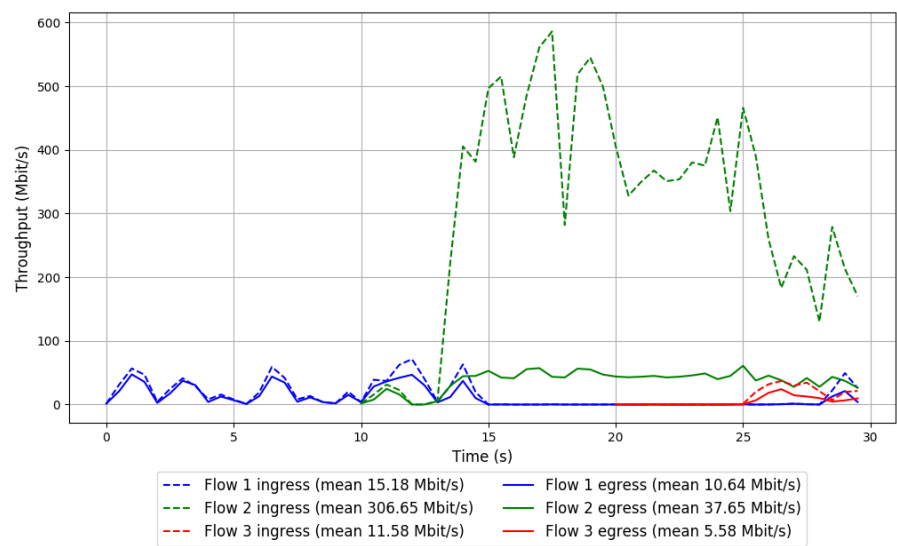


Run 8: Statistics of Verus

Start at: 2017-12-01 12:30:52
End at: 2017-12-01 12:31:22
Local clock offset: 6.928 ms
Remote clock offset: -28.355 ms

Below is generated by plot.py at 2017-12-01 13:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 71.712 ms
Loss rate: 83.16%
-- Flow 1:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 34.119 ms
Loss rate: 29.85%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 75.673 ms
Loss rate: 87.71%
-- Flow 3:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 34.373 ms
Loss rate: 51.78%

Run 8: Report of Verus — Data Link

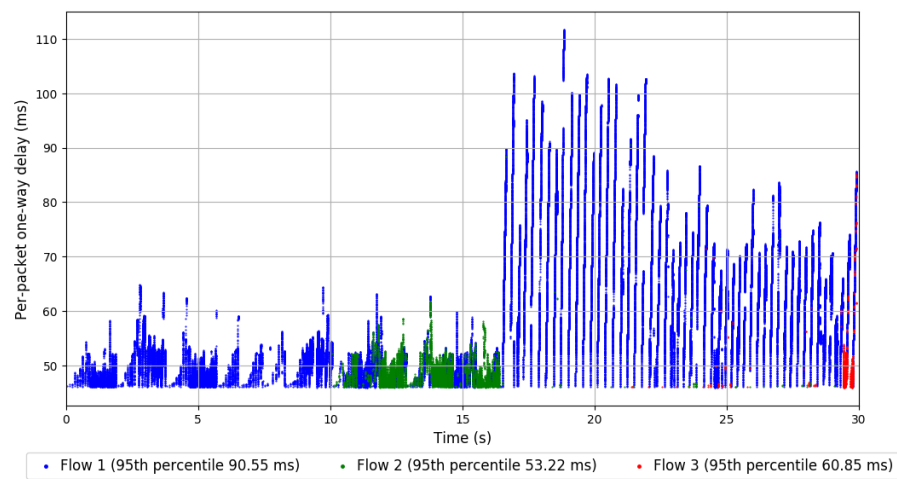
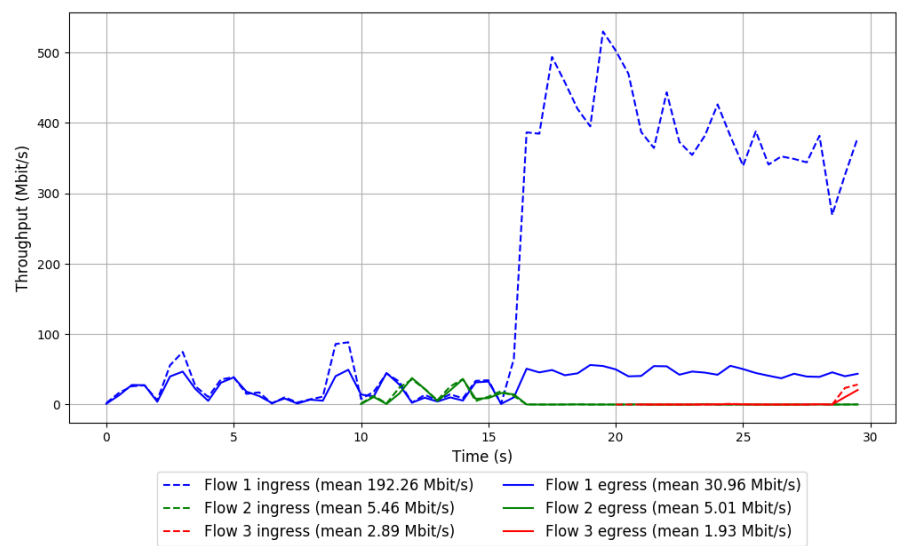


Run 9: Statistics of Verus

Start at: 2017-12-01 12:52:17
End at: 2017-12-01 12:52:47
Local clock offset: 6.236 ms
Remote clock offset: -4.324 ms

Below is generated by plot.py at 2017-12-01 13:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 89.267 ms
Loss rate: 82.28%
-- Flow 1:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 90.552 ms
Loss rate: 83.88%
-- Flow 2:
Average throughput: 5.01 Mbit/s
95th percentile per-packet one-way delay: 53.222 ms
Loss rate: 8.08%
-- Flow 3:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 60.851 ms
Loss rate: 40.34%

Run 9: Report of Verus — Data Link

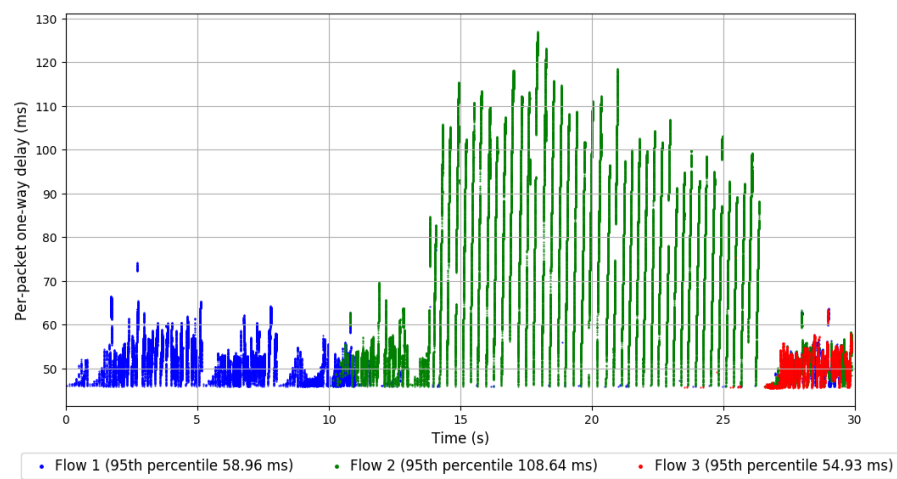
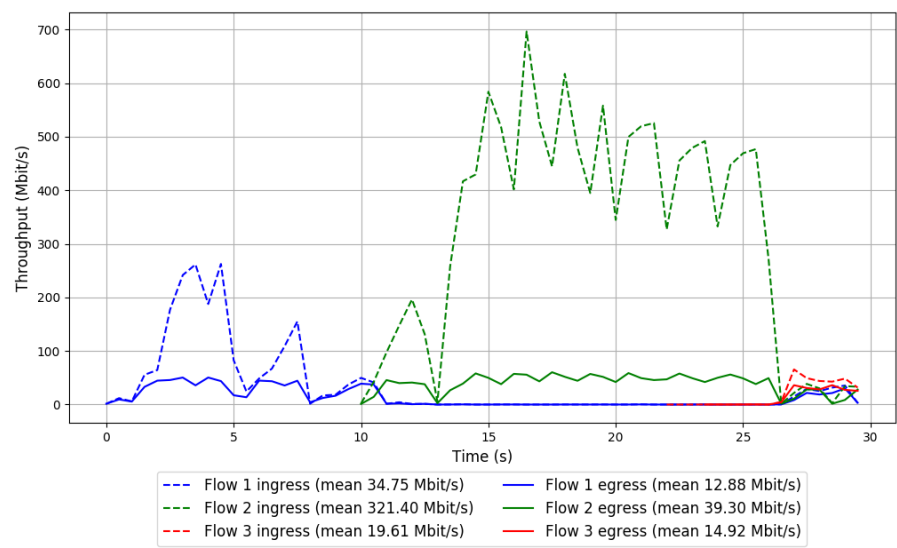


Run 10: Statistics of Verus

Start at: 2017-12-01 13:10:25
End at: 2017-12-01 13:10:55
Local clock offset: 4.956 ms
Remote clock offset: -4.299 ms

Below is generated by plot.py at 2017-12-01 13:47:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 104.688 ms
Loss rate: 83.36%
-- Flow 1:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 58.963 ms
Loss rate: 62.91%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 108.636 ms
Loss rate: 87.79%
-- Flow 3:
Average throughput: 14.92 Mbit/s
95th percentile per-packet one-way delay: 54.932 ms
Loss rate: 34.20%

Run 10: Report of Verus — Data Link

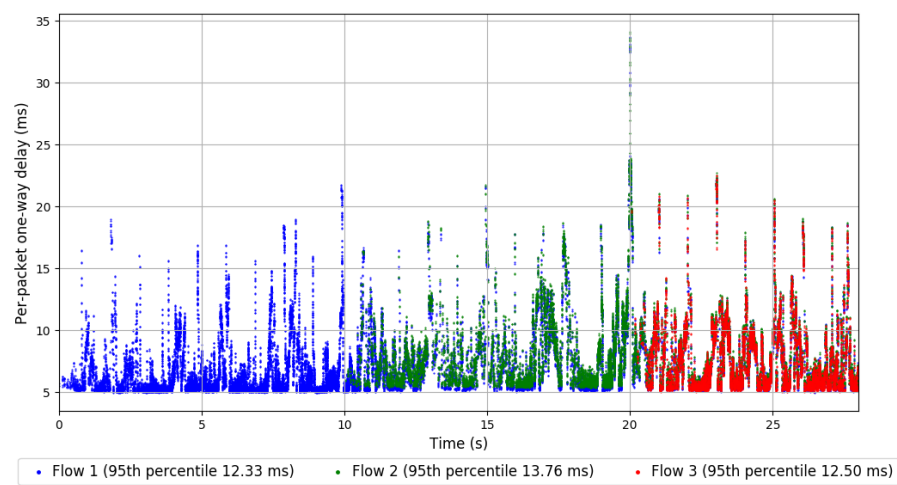
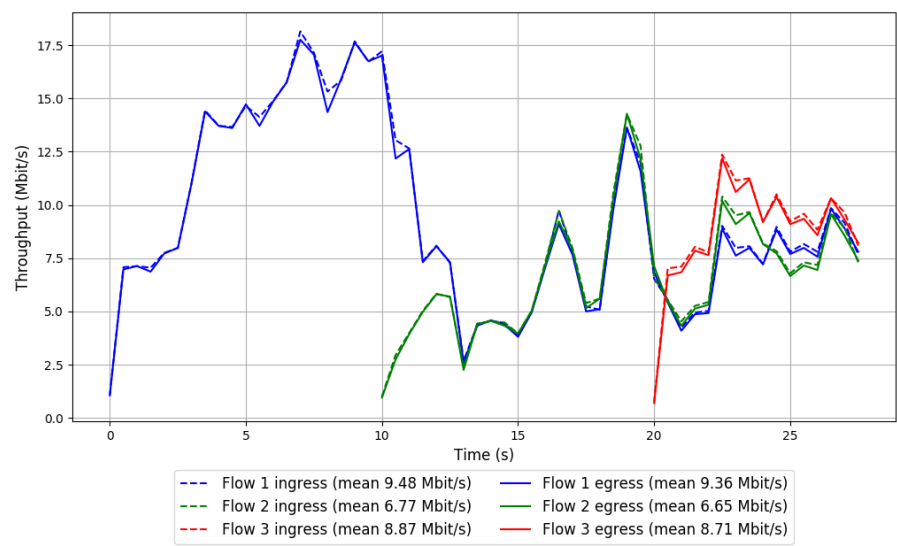


Run 1: Statistics of Copa

Start at: 2017-12-01 10:25:53
End at: 2017-12-01 10:26:23
Local clock offset: 3.105 ms
Remote clock offset: -40.941 ms

Below is generated by plot.py at 2017-12-01 13:47:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 12.741 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 12.332 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 13.764 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 12.497 ms
Loss rate: 1.92%

Run 1: Report of Copa — Data Link

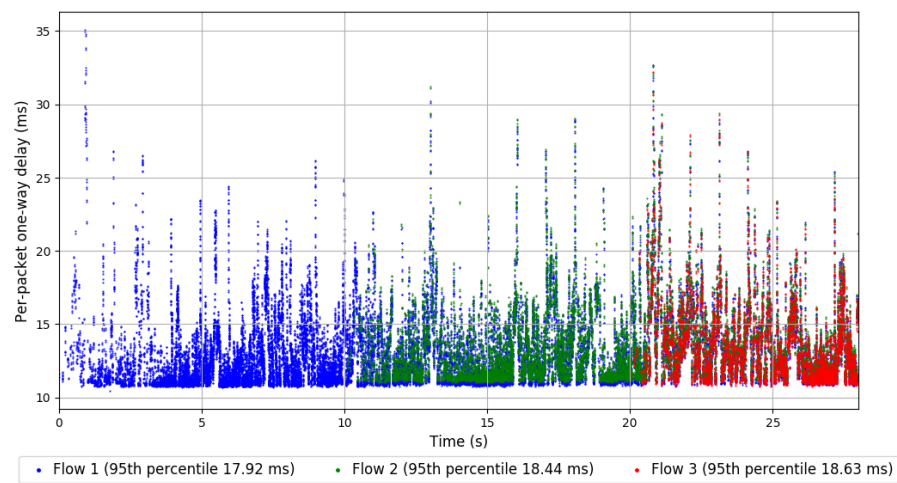
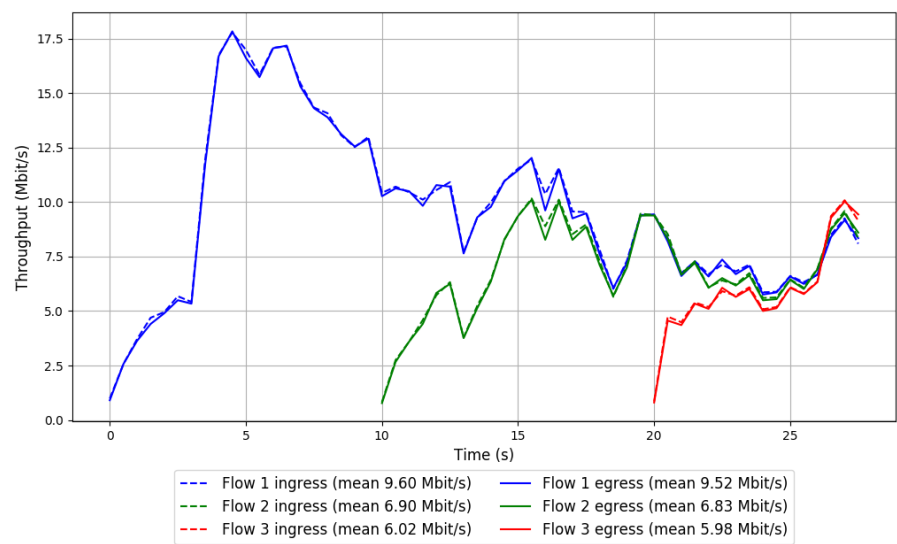


Run 2: Statistics of Copa

Start at: 2017-12-01 10:44:11
End at: 2017-12-01 10:44:41
Local clock offset: 3.651 ms
Remote clock offset: -35.684 ms

Below is generated by plot.py at 2017-12-01 13:47:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 18.158 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 17.919 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 18.441 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 18.627 ms
Loss rate: 0.58%

Run 2: Report of Copa — Data Link

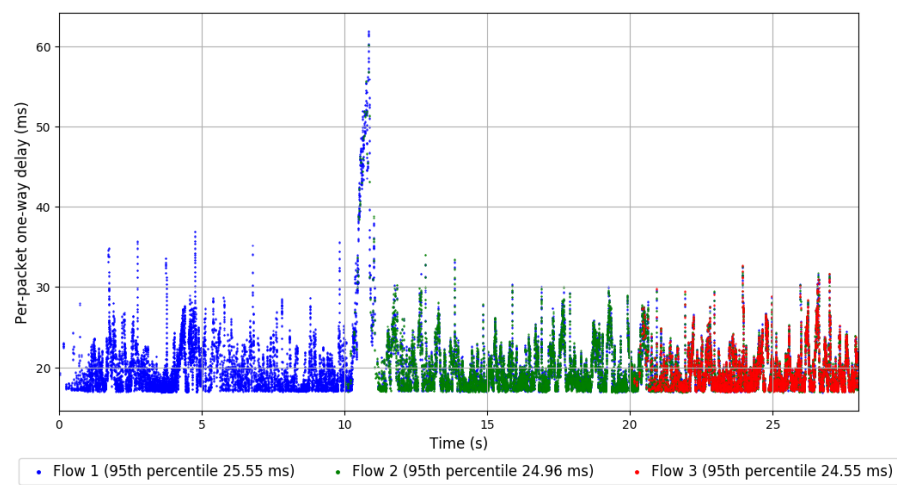
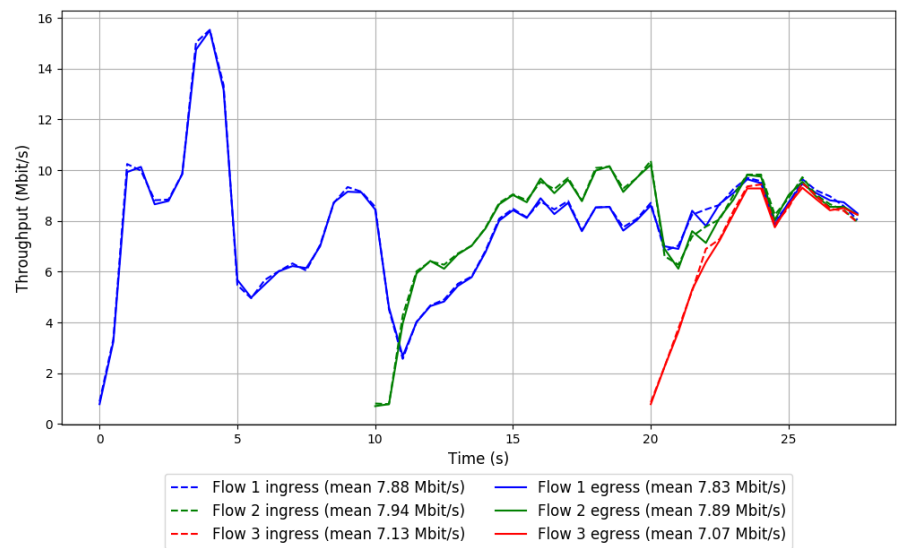


Run 3: Statistics of Copa

Start at: 2017-12-01 11:02:32
End at: 2017-12-01 11:03:02
Local clock offset: 4.572 ms
Remote clock offset: -29.363 ms

Below is generated by plot.py at 2017-12-01 13:47:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 25.209 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 25.546 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 24.956 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 24.550 ms
Loss rate: 0.94%

Run 3: Report of Copa — Data Link

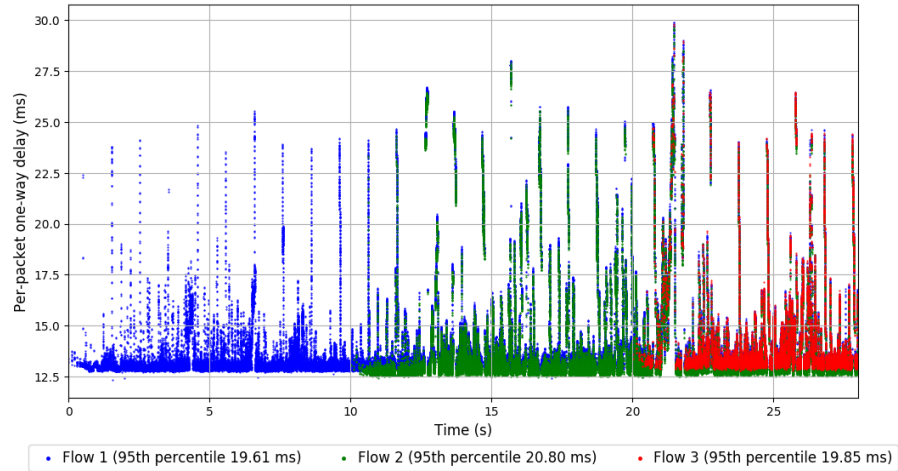
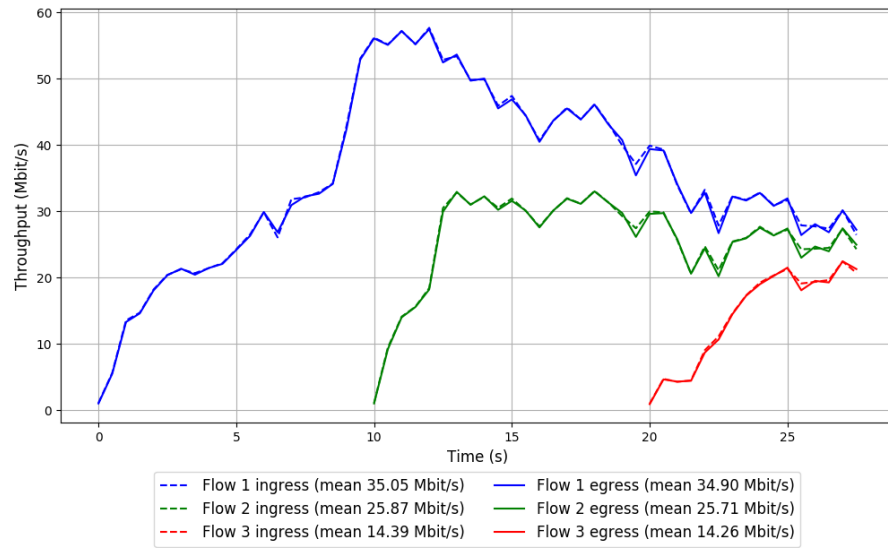


Run 4: Statistics of Copa

Start at: 2017-12-01 11:20:25
End at: 2017-12-01 11:20:55
Local clock offset: 5.131 ms
Remote clock offset: -34.057 ms

Below is generated by plot.py at 2017-12-01 13:47:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 19.987 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 19.606 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 20.805 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 14.26 Mbit/s
95th percentile per-packet one-way delay: 19.849 ms
Loss rate: 0.85%

Run 4: Report of Copa — Data Link

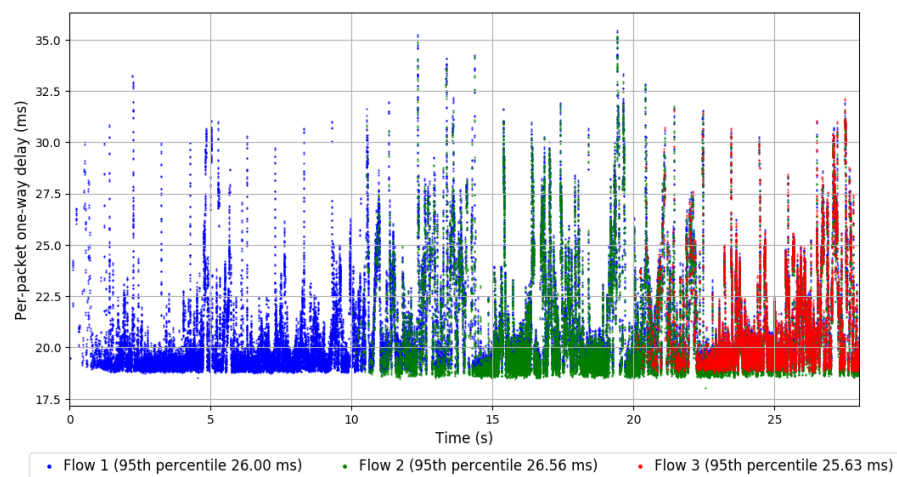
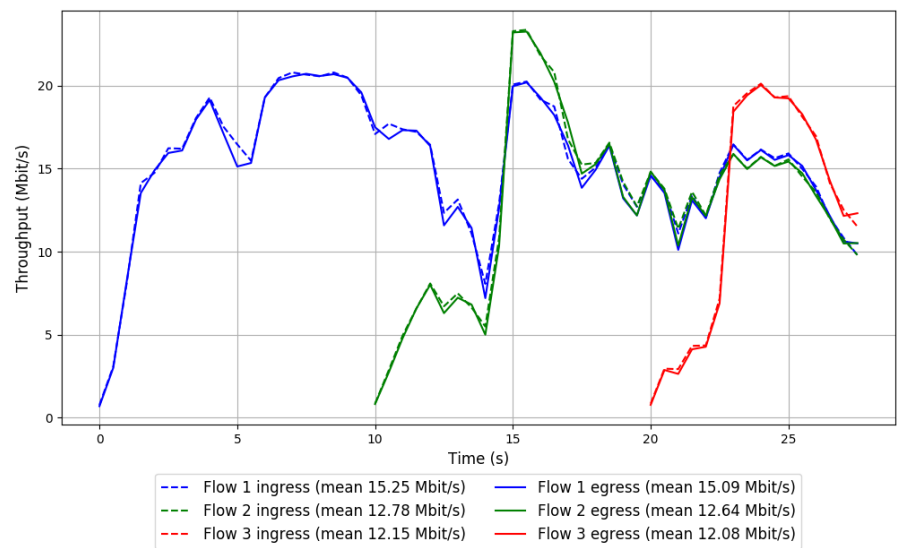


Run 5: Statistics of Copa

Start at: 2017-12-01 11:38:46
End at: 2017-12-01 11:39:16
Local clock offset: 5.834 ms
Remote clock offset: -29.288 ms

Below is generated by plot.py at 2017-12-01 13:47:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 26.154 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 26.003 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 26.556 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 25.629 ms
Loss rate: 0.61%

Run 5: Report of Copa — Data Link

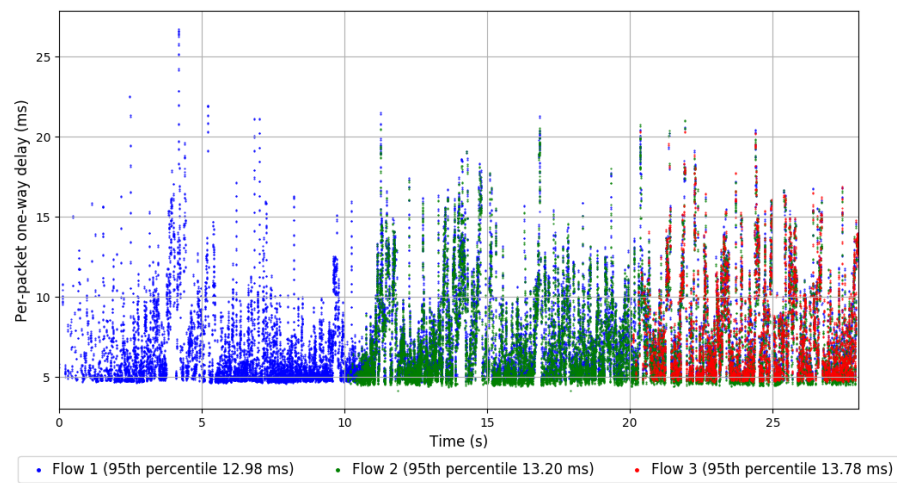
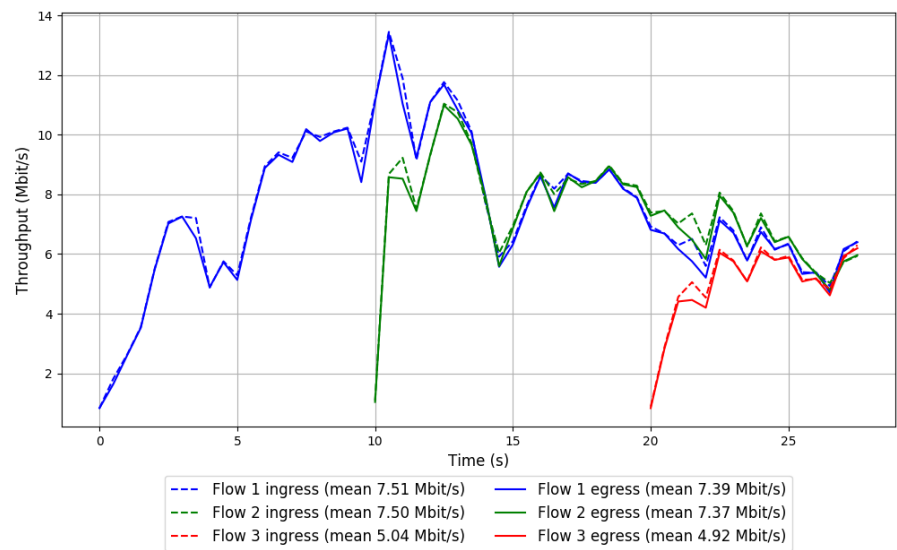


Run 6: Statistics of Copa

Start at: 2017-12-01 11:57:20
End at: 2017-12-01 11:57:50
Local clock offset: 6.481 ms
Remote clock offset: -44.783 ms

Below is generated by plot.py at 2017-12-01 13:47:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 13.172 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 12.979 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 13.202 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 13.781 ms
Loss rate: 2.21%

Run 6: Report of Copa — Data Link

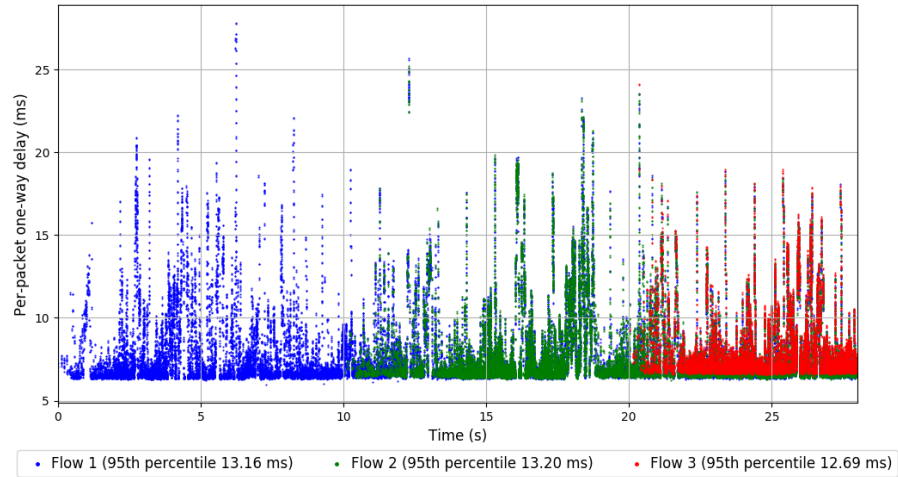
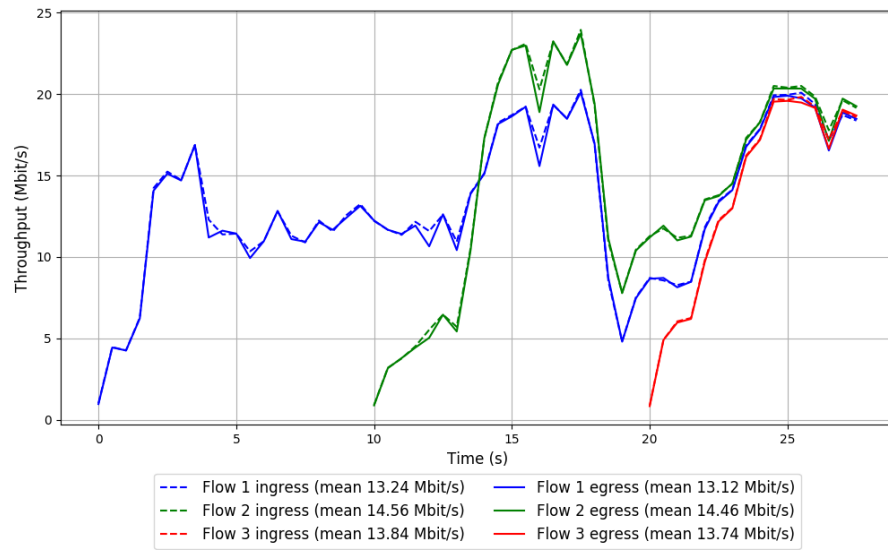


Run 7: Statistics of Copa

Start at: 2017-12-01 12:15:27
End at: 2017-12-01 12:15:57
Local clock offset: 7.302 ms
Remote clock offset: -43.469 ms

Below is generated by plot.py at 2017-12-01 13:47:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 13.114 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 13.165 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 13.197 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 13.74 Mbit/s
95th percentile per-packet one-way delay: 12.688 ms
Loss rate: 0.72%

Run 7: Report of Copa — Data Link

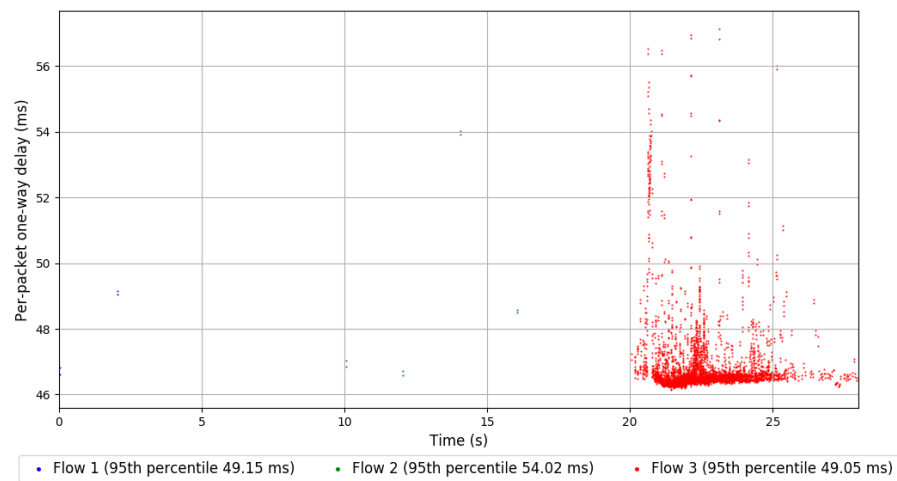
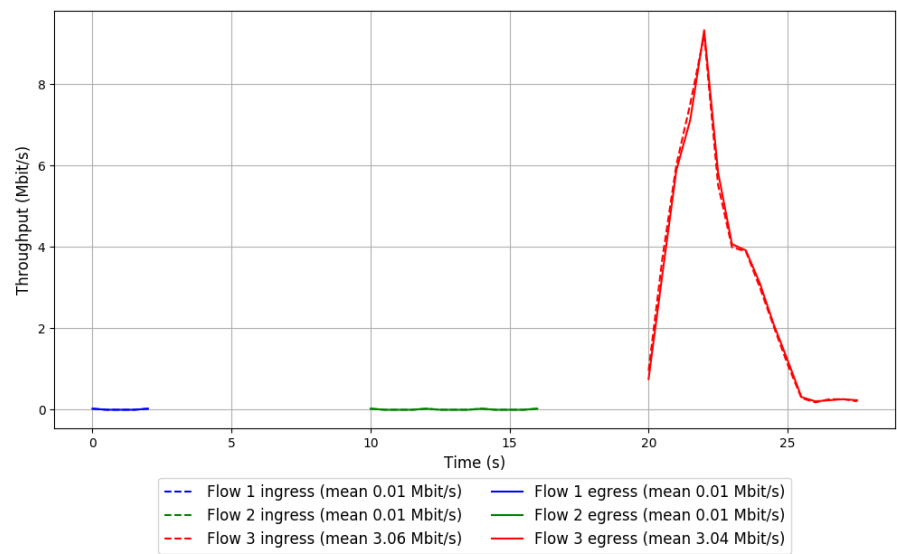


Run 8: Statistics of Copa

Start at: 2017-12-01 12:35:55
End at: 2017-12-01 12:36:25
Local clock offset: 6.784 ms
Remote clock offset: -3.815 ms

Below is generated by plot.py at 2017-12-01 13:47:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 49.073 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 49.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 54.023 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 49.052 ms
Loss rate: 0.58%

Run 8: Report of Copa — Data Link

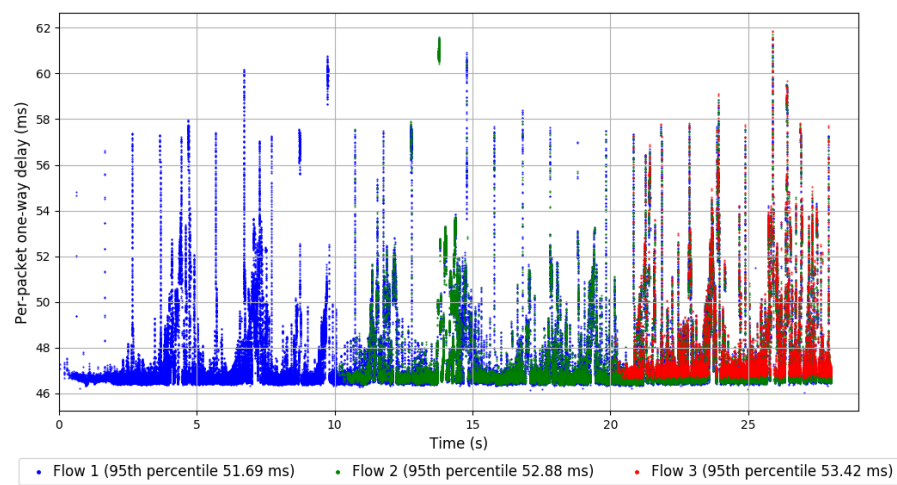
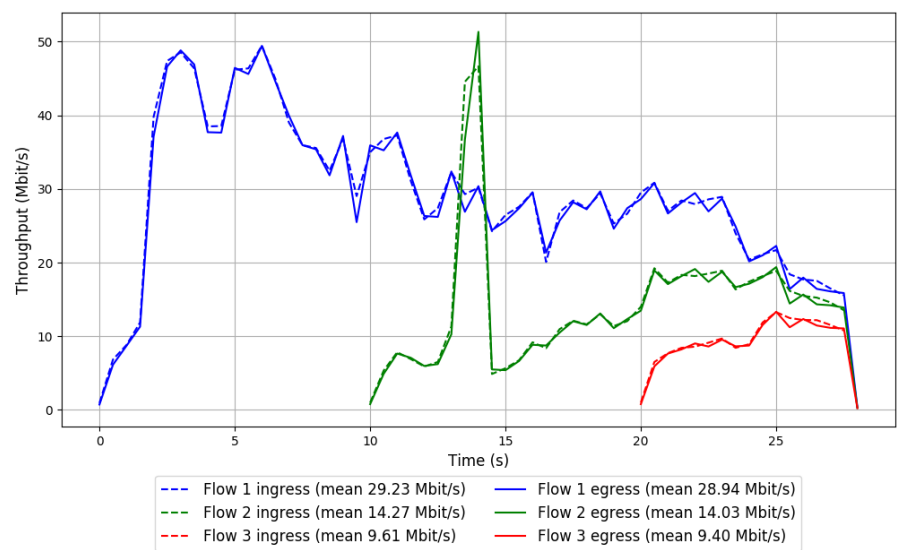


Run 9: Statistics of Copa

Start at: 2017-12-01 12:54:51
End at: 2017-12-01 12:55:21
Local clock offset: 6.028 ms
Remote clock offset: -4.056 ms

Below is generated by plot.py at 2017-12-01 13:47:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 52.283 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 51.688 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 14.03 Mbit/s
95th percentile per-packet one-way delay: 52.877 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 53.421 ms
Loss rate: 2.18%

Run 9: Report of Copa — Data Link

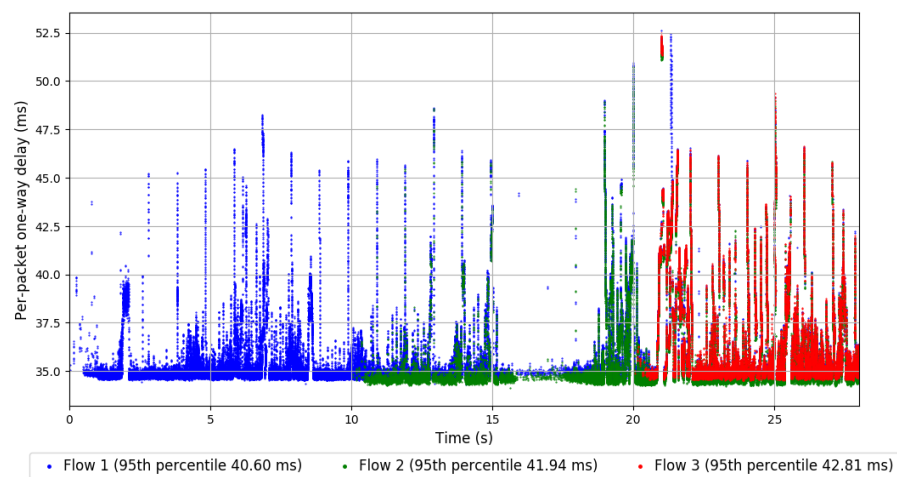
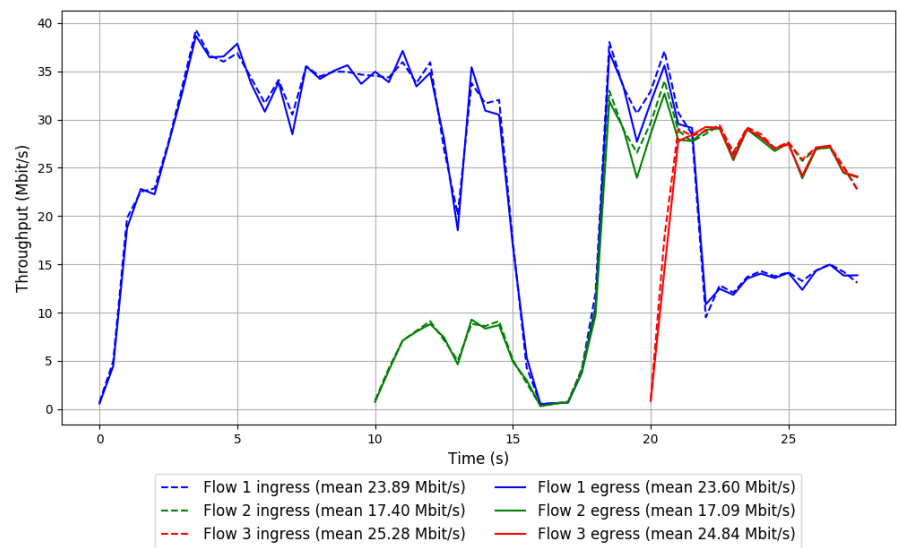


Run 10: Statistics of Copa

Start at: 2017-12-01 13:13:27
End at: 2017-12-01 13:13:57
Local clock offset: 4.693 ms
Remote clock offset: -15.515 ms

Below is generated by plot.py at 2017-12-01 13:48:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.62 Mbit/s
95th percentile per-packet one-way delay: 41.347 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 23.60 Mbit/s
95th percentile per-packet one-way delay: 40.598 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 17.09 Mbit/s
95th percentile per-packet one-way delay: 41.936 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 42.809 ms
Loss rate: 1.72%

Run 10: Report of Copa — Data Link

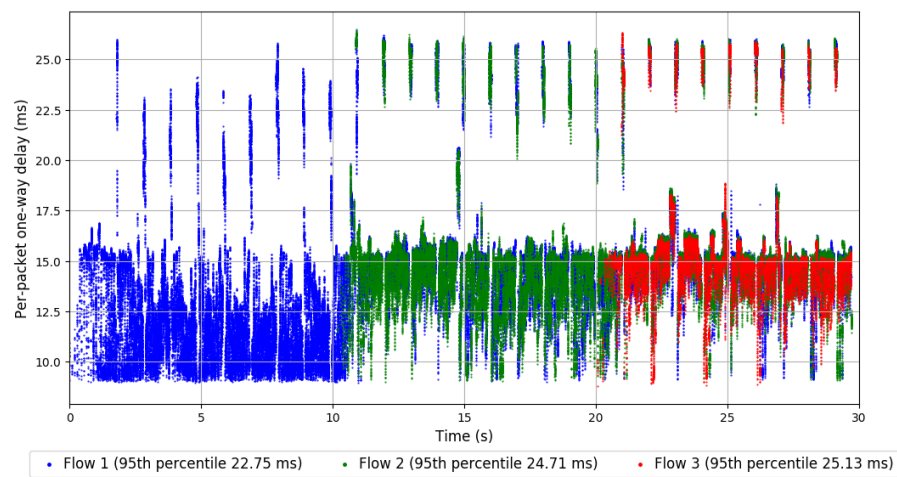
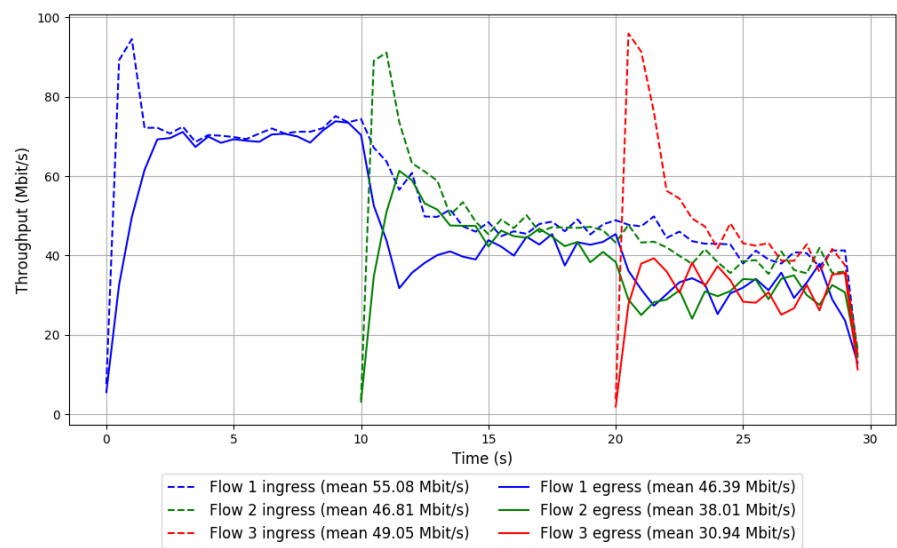


```
Run 1: Statistics of Indigo

Start at: 2017-12-01 10:24:35
End at: 2017-12-01 10:25:05
Local clock offset: 3.1 ms
Remote clock offset: -37.051 ms

# Below is generated by plot.py at 2017-12-01 13:48:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 24.049 ms
Loss rate: 19.98%
-- Flow 1:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 22.748 ms
Loss rate: 15.76%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 24.708 ms
Loss rate: 18.80%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 25.132 ms
Loss rate: 36.89%
```

Run 1: Report of Indigo — Data Link

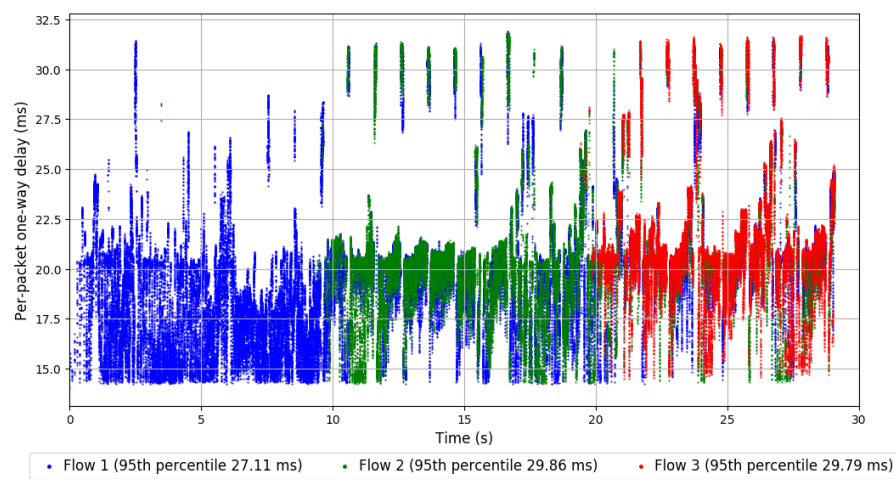
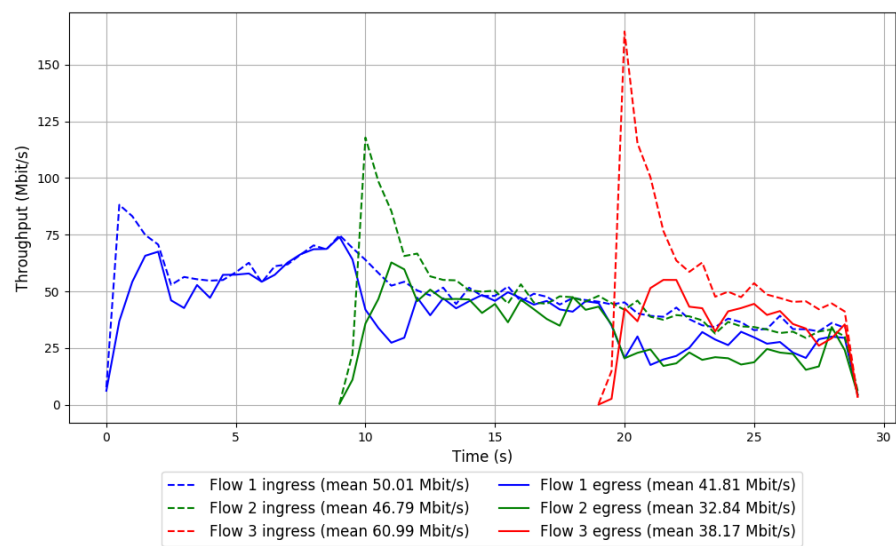


Run 2: Statistics of Indigo

Start at: 2017-12-01 10:42:45
End at: 2017-12-01 10:43:15
Local clock offset: 3.644 ms
Remote clock offset: -32.075 ms

Below is generated by plot.py at 2017-12-01 13:48:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 28.983 ms
Loss rate: 24.73%
-- Flow 1:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 27.108 ms
Loss rate: 16.37%
-- Flow 2:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 29.859 ms
Loss rate: 29.81%
-- Flow 3:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 29.793 ms
Loss rate: 37.43%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

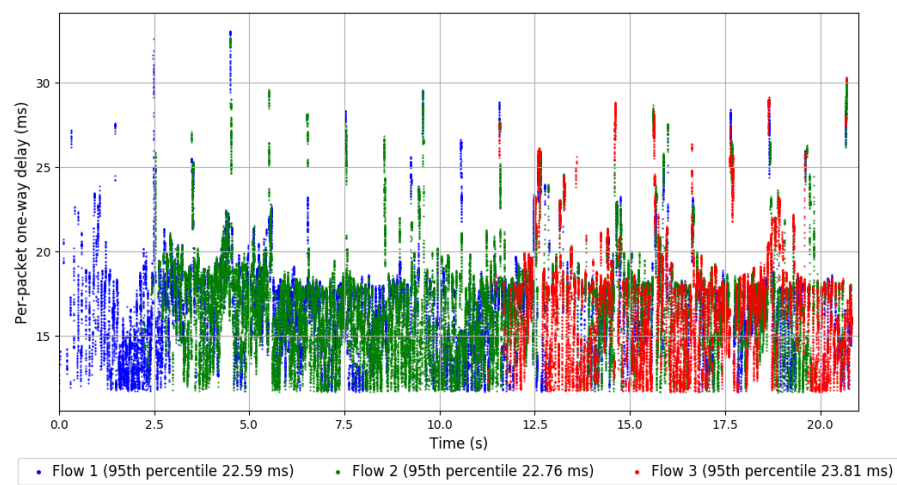
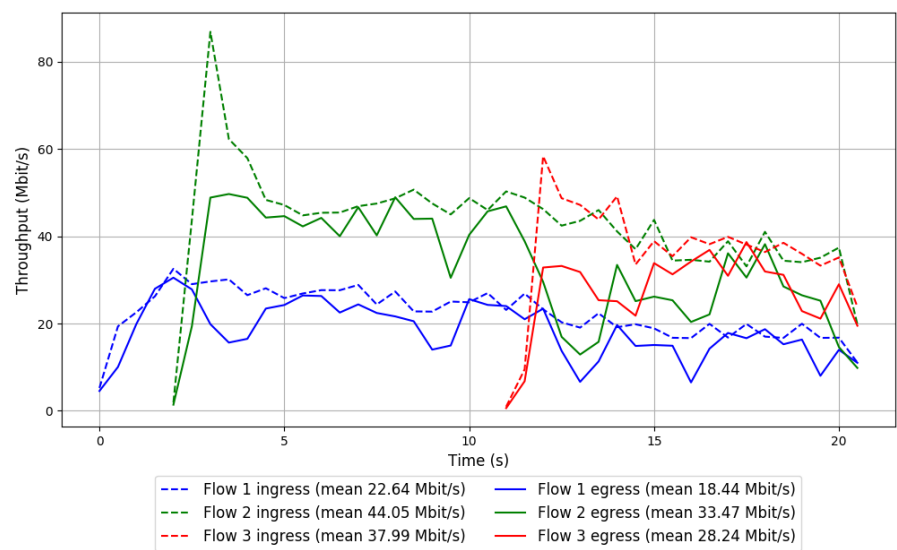
Start at: 2017-12-01 11:01:13

End at: 2017-12-01 11:01:43

Local clock offset: 4.459 ms

Remote clock offset: -34.884 ms

Run 3: Report of Indigo — Data Link

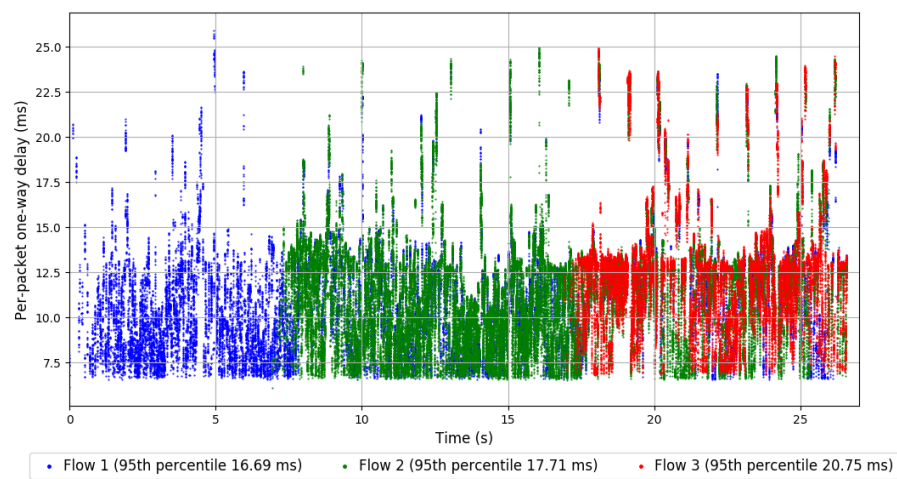
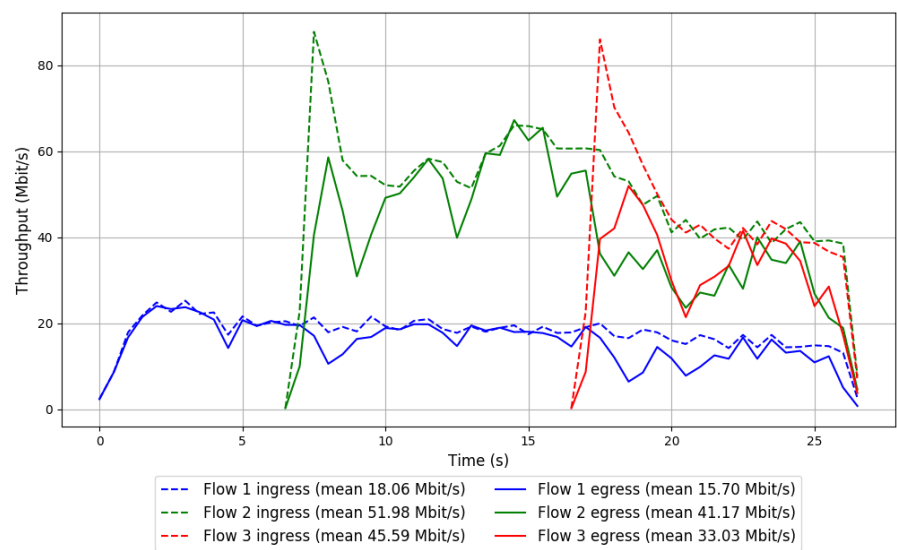


Run 4: Statistics of Indigo

Start at: 2017-12-01 11:19:08
End at: 2017-12-01 11:19:38
Local clock offset: 5.372 ms
Remote clock offset: -39.686 ms

Below is generated by plot.py at 2017-12-01 13:48:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 18.380 ms
Loss rate: 20.41%
-- Flow 1:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 16.694 ms
Loss rate: 13.07%
-- Flow 2:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 17.715 ms
Loss rate: 20.78%
-- Flow 3:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 20.754 ms
Loss rate: 27.56%

Run 4: Report of Indigo — Data Link

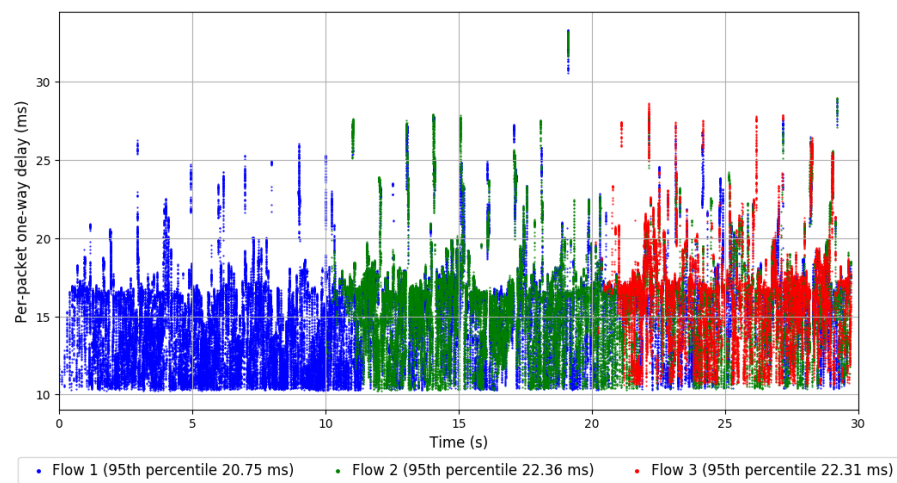
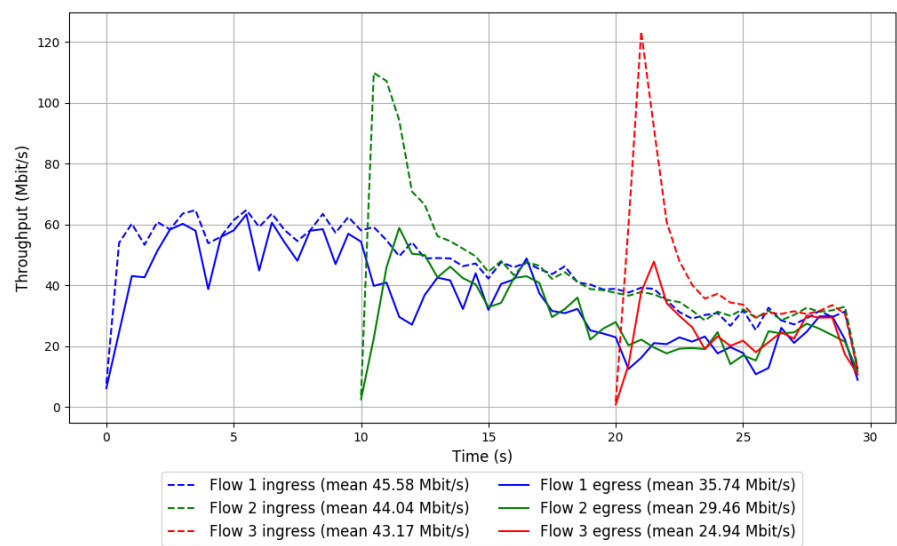


Run 5: Statistics of Indigo

Start at: 2017-12-01 11:37:26
End at: 2017-12-01 11:37:56
Local clock offset: 5.907 ms
Remote clock offset: -37.263 ms

Below is generated by plot.py at 2017-12-01 13:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.30 Mbit/s
95th percentile per-packet one-way delay: 21.539 ms
Loss rate: 28.60%
-- Flow 1:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 20.751 ms
Loss rate: 21.56%
-- Flow 2:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 22.360 ms
Loss rate: 33.09%
-- Flow 3:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 22.306 ms
Loss rate: 42.23%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

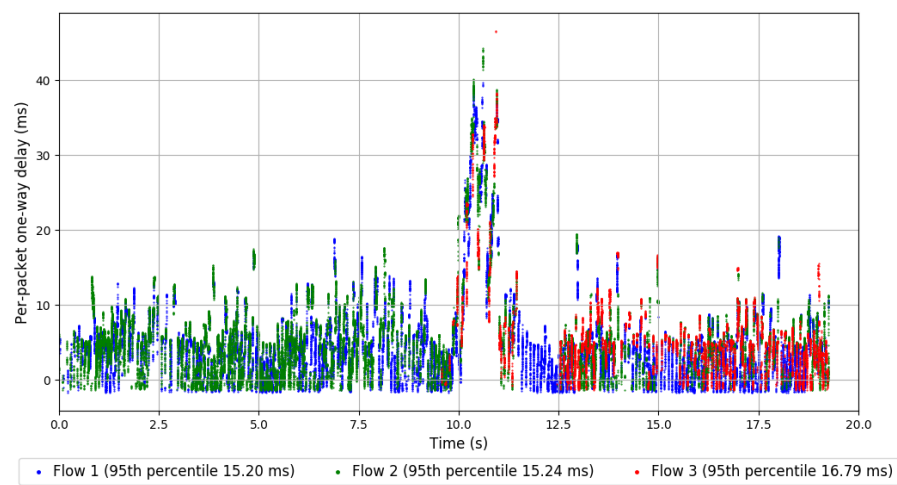
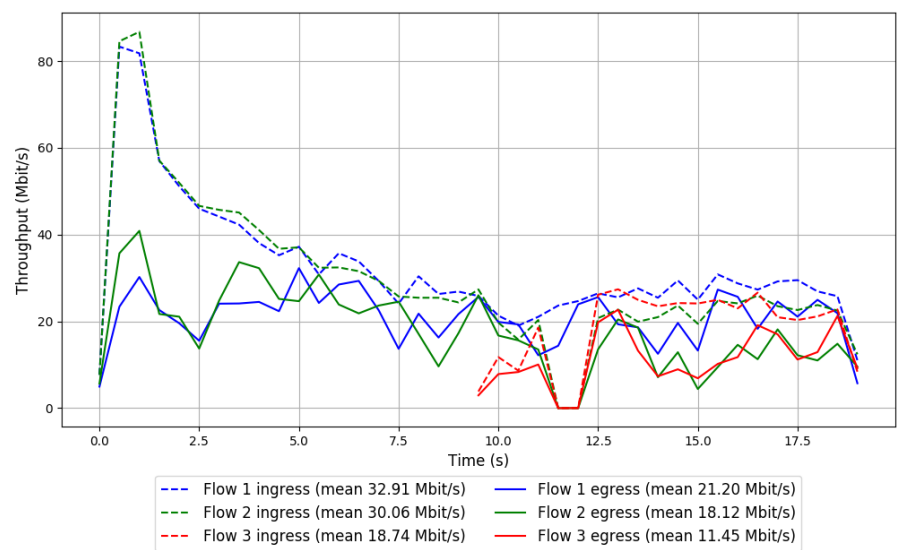
Start at: 2017-12-01 11:56:03

End at: 2017-12-01 11:56:33

Local clock offset: 6.311 ms

Remote clock offset: -50.85 ms

Run 6: Report of Indigo — Data Link

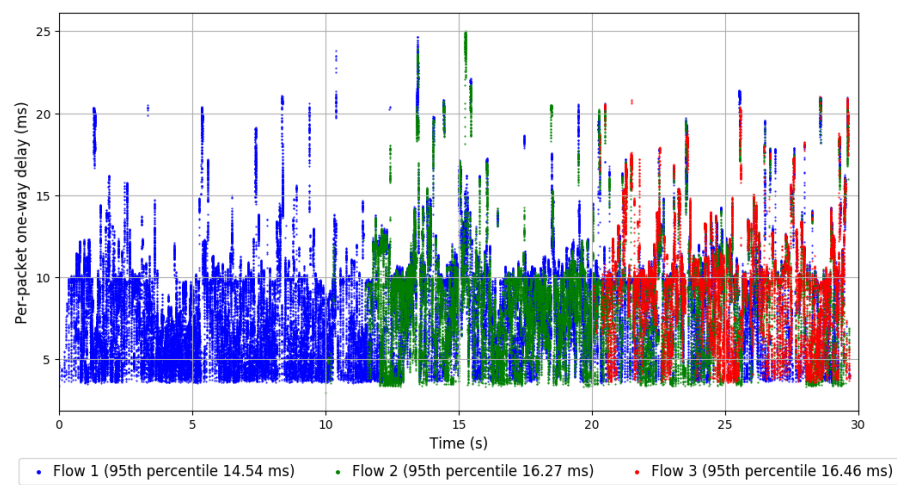
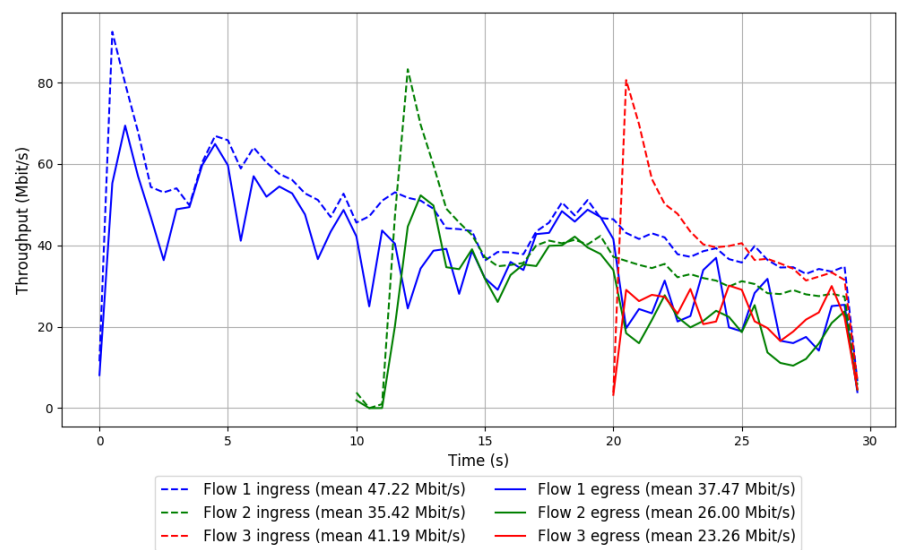


Run 7: Statistics of Indigo

Start at: 2017-12-01 12:14:04
End at: 2017-12-01 12:14:34
Local clock offset: 7.053 ms
Remote clock offset: -46.617 ms

Below is generated by plot.py at 2017-12-01 13:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.20 Mbit/s
95th percentile per-packet one-way delay: 15.405 ms
Loss rate: 25.93%
-- Flow 1:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 14.545 ms
Loss rate: 20.64%
-- Flow 2:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 16.275 ms
Loss rate: 26.58%
-- Flow 3:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 16.456 ms
Loss rate: 43.56%

Run 7: Report of Indigo — Data Link

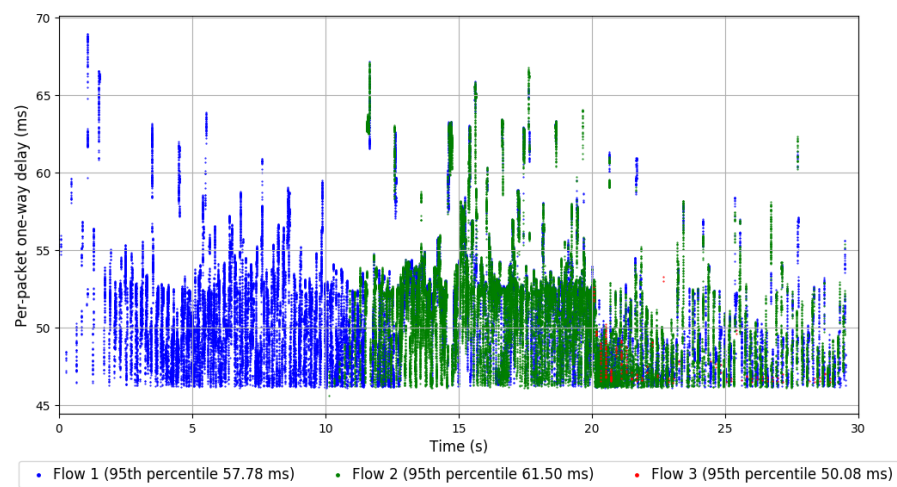
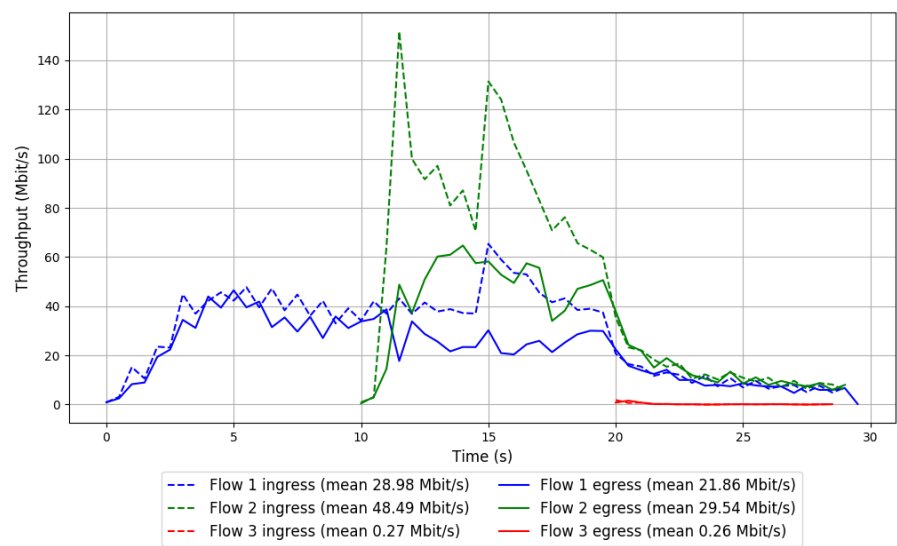


Run 8: Statistics of Indigo

Start at: 2017-12-01 12:32:29
End at: 2017-12-01 12:32:59
Local clock offset: 6.824 ms
Remote clock offset: -3.842 ms

Below is generated by plot.py at 2017-12-01 13:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 59.353 ms
Loss rate: 32.13%
-- Flow 1:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 57.781 ms
Loss rate: 24.62%
-- Flow 2:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 61.496 ms
Loss rate: 39.05%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 50.080 ms
Loss rate: 2.50%

Run 8: Report of Indigo — Data Link

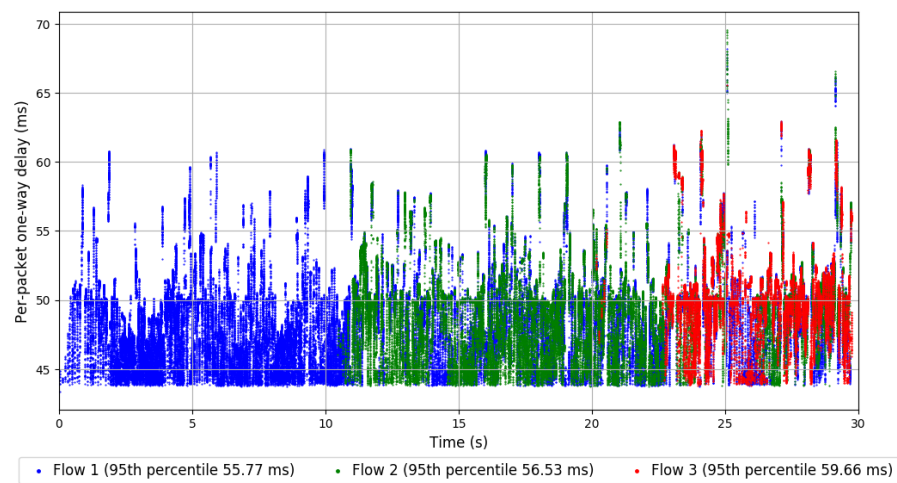
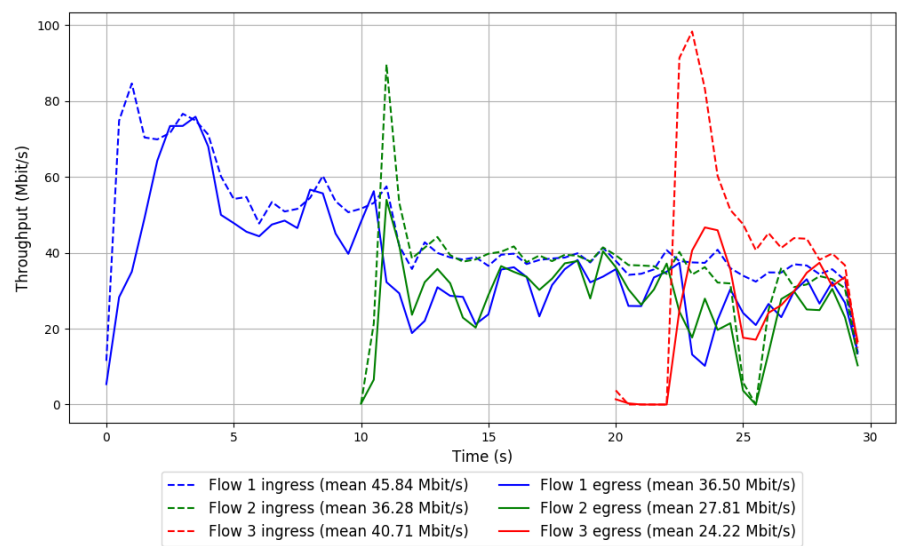


Run 9: Statistics of Indigo

Start at: 2017-12-01 12:53:34
End at: 2017-12-01 12:54:04
Local clock offset: 6.347 ms
Remote clock offset: -6.691 ms

Below is generated by plot.py at 2017-12-01 13:49:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.31 Mbit/s
95th percentile per-packet one-way delay: 56.462 ms
Loss rate: 24.41%
-- Flow 1:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 55.768 ms
Loss rate: 20.36%
-- Flow 2:
Average throughput: 27.81 Mbit/s
95th percentile per-packet one-way delay: 56.533 ms
Loss rate: 23.31%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 59.660 ms
Loss rate: 40.53%

Run 9: Report of Indigo — Data Link

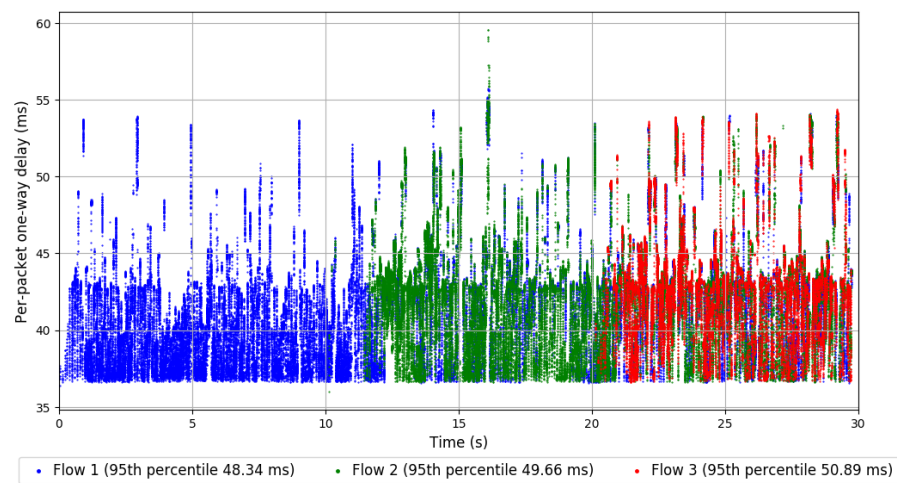
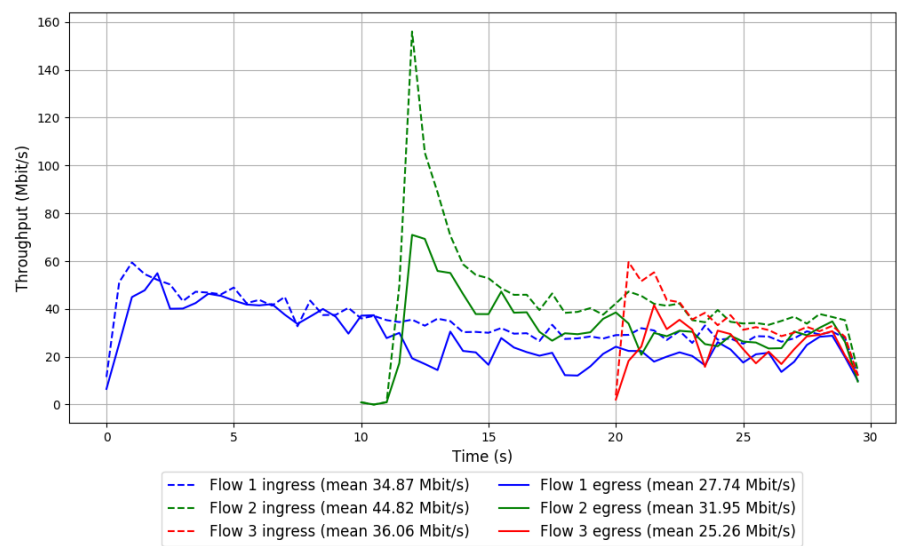


Run 10: Statistics of Indigo

Start at: 2017-12-01 13:11:52
End at: 2017-12-01 13:12:22
Local clock offset: 4.712 ms
Remote clock offset: -13.351 ms

Below is generated by plot.py at 2017-12-01 13:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 49.376 ms
Loss rate: 25.09%
-- Flow 1:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 48.335 ms
Loss rate: 20.43%
-- Flow 2:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 49.665 ms
Loss rate: 28.68%
-- Flow 3:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 50.887 ms
Loss rate: 29.93%

Run 10: Report of Indigo — Data Link

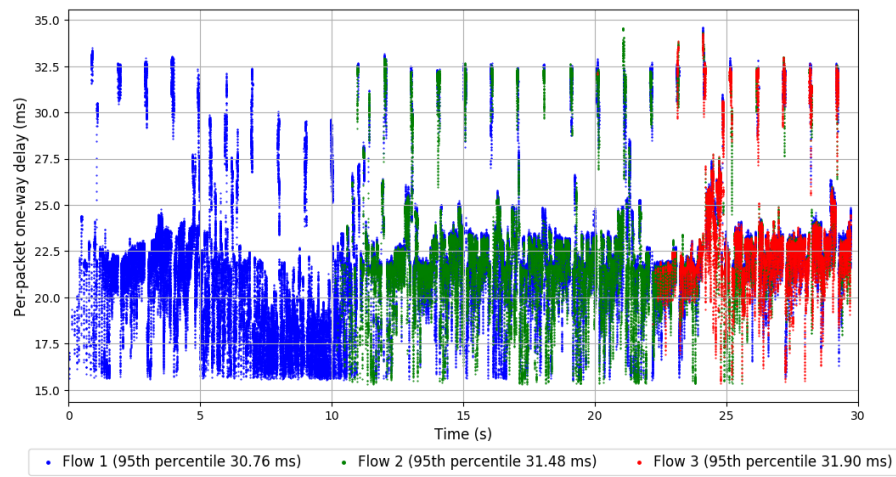
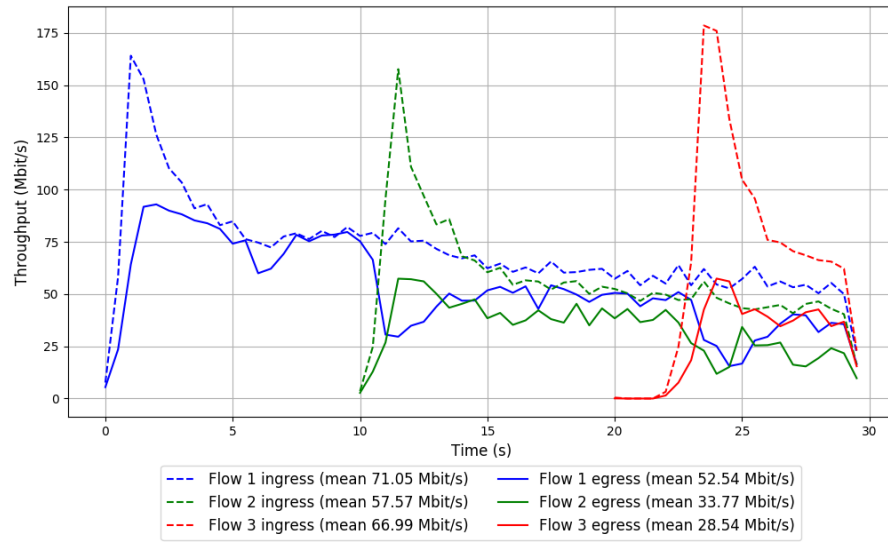


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-01 10:32:10
End at: 2017-12-01 10:32:40
Local clock offset: 3.414 ms
Remote clock offset: -30.685 ms

# Below is generated by plot.py at 2017-12-01 13:49:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 31.189 ms
Loss rate: 35.69%
-- Flow 1:
Average throughput: 52.54 Mbit/s
95th percentile per-packet one-way delay: 30.762 ms
Loss rate: 26.03%
-- Flow 2:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 31.475 ms
Loss rate: 41.34%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 31.901 ms
Loss rate: 57.44%
```

Run 1: Report of Indigo-calib — Data Link

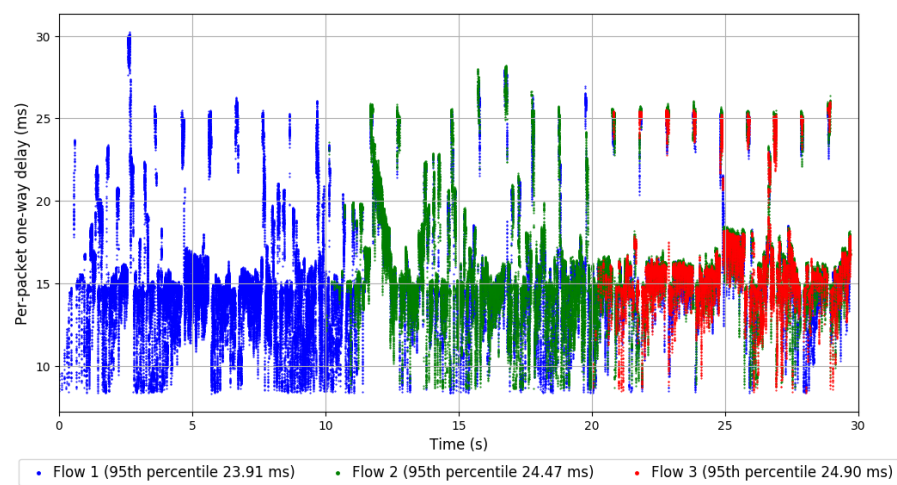
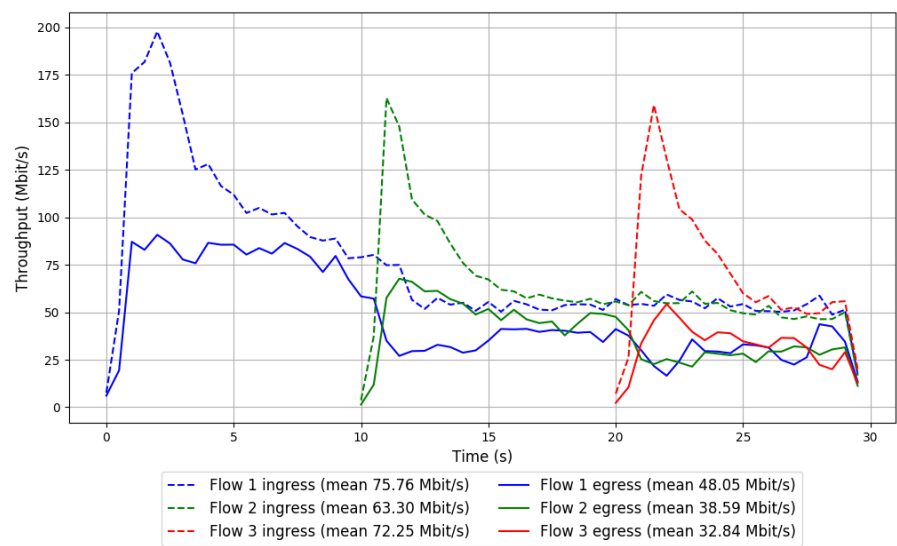


Run 2: Statistics of Indigo-calib

Start at: 2017-12-01 10:50:24
End at: 2017-12-01 10:50:54
Local clock offset: 3.718 ms
Remote clock offset: -38.334 ms

Below is generated by plot.py at 2017-12-01 13:49:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.20 Mbit/s
95th percentile per-packet one-way delay: 24.282 ms
Loss rate: 40.28%
-- Flow 1:
Average throughput: 48.05 Mbit/s
95th percentile per-packet one-way delay: 23.909 ms
Loss rate: 36.55%
-- Flow 2:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 24.467 ms
Loss rate: 39.02%
-- Flow 3:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 24.903 ms
Loss rate: 54.51%

Run 2: Report of Indigo-calib — Data Link

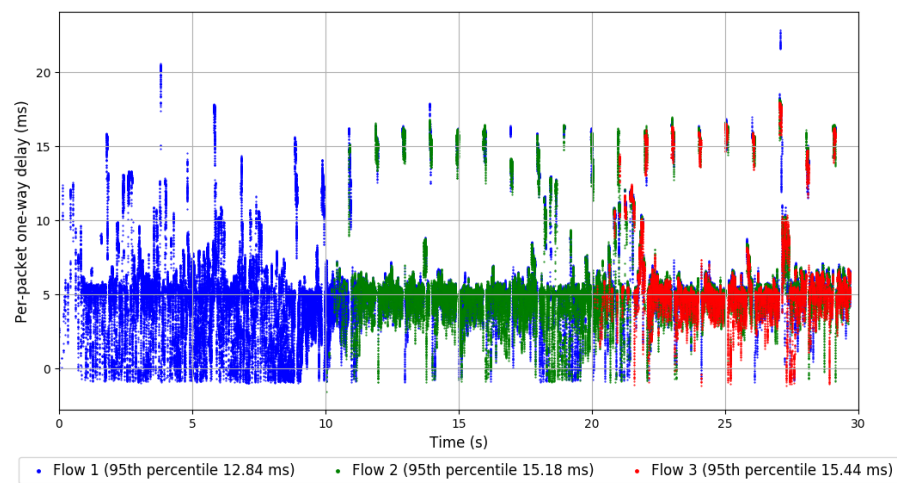
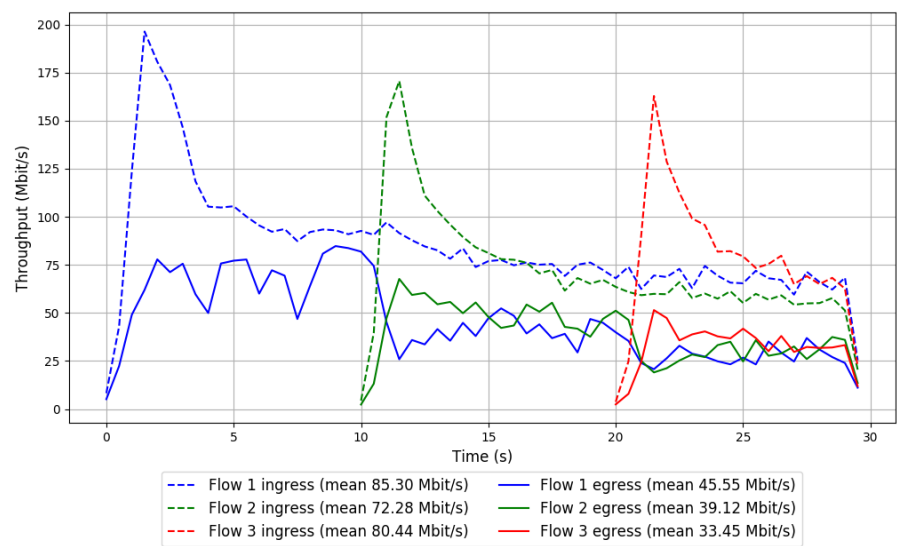


Run 3: Statistics of Indigo-calib

Start at: 2017-12-01 11:08:47
End at: 2017-12-01 11:09:17
Local clock offset: 5.039 ms
Remote clock offset: -47.194 ms

Below is generated by plot.py at 2017-12-01 13:49:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.19 Mbit/s
95th percentile per-packet one-way delay: 14.494 ms
Loss rate: 48.30%
-- Flow 1:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: 12.841 ms
Loss rate: 46.59%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 15.178 ms
Loss rate: 45.86%
-- Flow 3:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 15.441 ms
Loss rate: 58.41%

Run 3: Report of Indigo-calib — Data Link

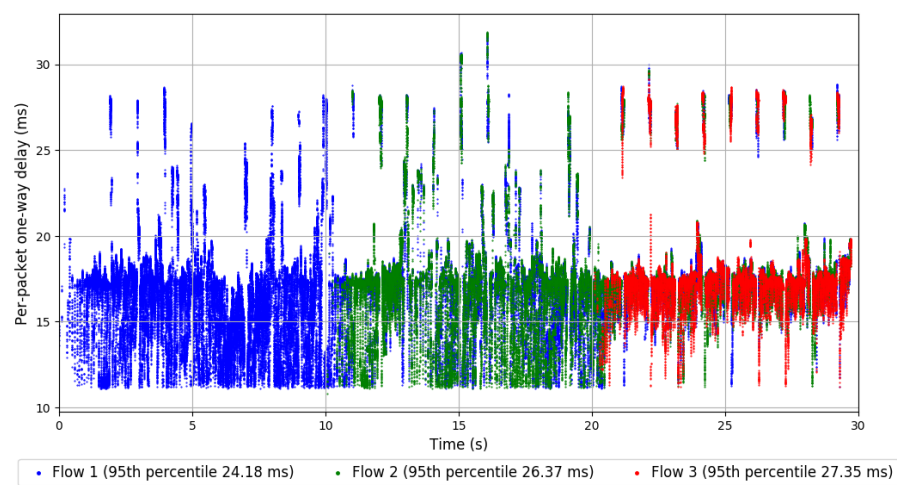
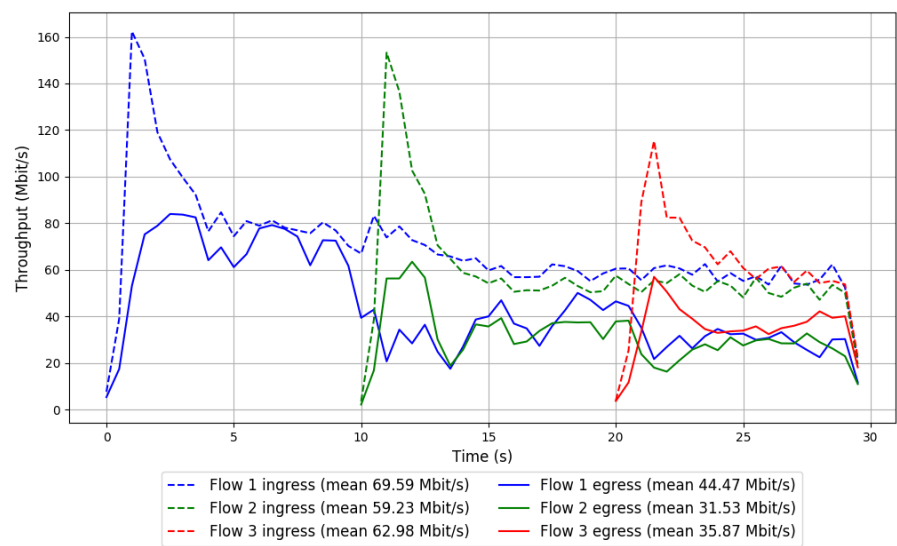


Run 4: Statistics of Indigo-calib

Start at: 2017-12-01 11:26:51
End at: 2017-12-01 11:27:21
Local clock offset: 5.638 ms
Remote clock offset: -35.756 ms

Below is generated by plot.py at 2017-12-01 13:49:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.88 Mbit/s
95th percentile per-packet one-way delay: 26.056 ms
Loss rate: 40.42%
-- Flow 1:
Average throughput: 44.47 Mbit/s
95th percentile per-packet one-way delay: 24.180 ms
Loss rate: 36.09%
-- Flow 2:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 26.368 ms
Loss rate: 46.74%
-- Flow 3:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 27.347 ms
Loss rate: 43.02%

Run 4: Report of Indigo-calib — Data Link

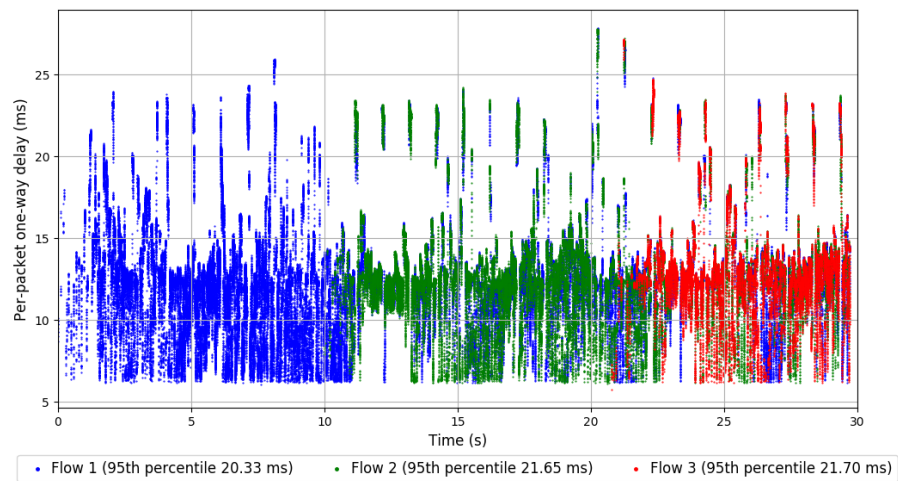
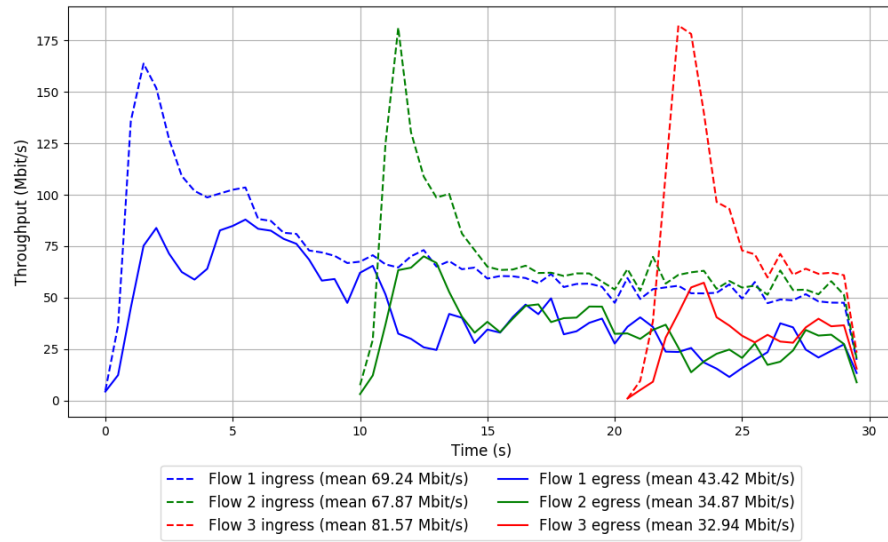


Run 5: Statistics of Indigo-calib

Start at: 2017-12-01 11:45:13
End at: 2017-12-01 11:45:43
Local clock offset: 5.947 ms
Remote clock offset: -42.237 ms

Below is generated by plot.py at 2017-12-01 13:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.44 Mbit/s
95th percentile per-packet one-way delay: 21.131 ms
Loss rate: 44.89%
-- Flow 1:
Average throughput: 43.42 Mbit/s
95th percentile per-packet one-way delay: 20.328 ms
Loss rate: 37.28%
-- Flow 2:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 21.653 ms
Loss rate: 48.60%
-- Flow 3:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 21.697 ms
Loss rate: 59.57%

Run 5: Report of Indigo-calib — Data Link

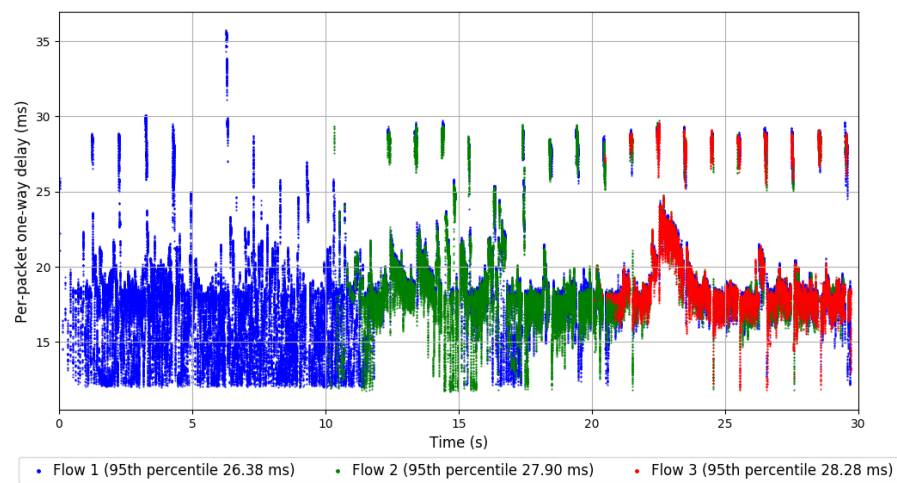
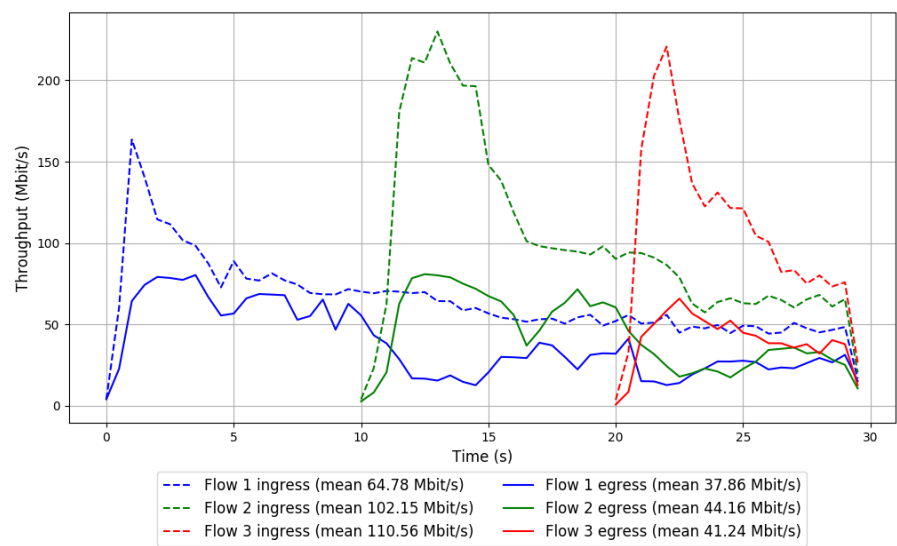


Run 6: Statistics of Indigo-calib

Start at: 2017-12-01 12:03:39
End at: 2017-12-01 12:04:09
Local clock offset: 6.777 ms
Remote clock offset: -37.871 ms

Below is generated by plot.py at 2017-12-01 13:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 27.717 ms
Loss rate: 52.16%
-- Flow 1:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 26.383 ms
Loss rate: 41.57%
-- Flow 2:
Average throughput: 44.16 Mbit/s
95th percentile per-packet one-way delay: 27.900 ms
Loss rate: 56.76%
-- Flow 3:
Average throughput: 41.24 Mbit/s
95th percentile per-packet one-way delay: 28.276 ms
Loss rate: 62.70%

Run 6: Report of Indigo-calib — Data Link

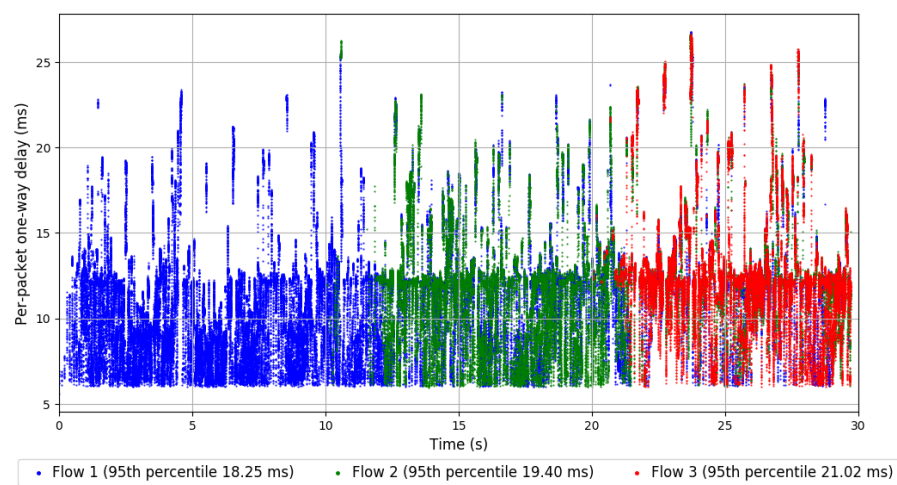
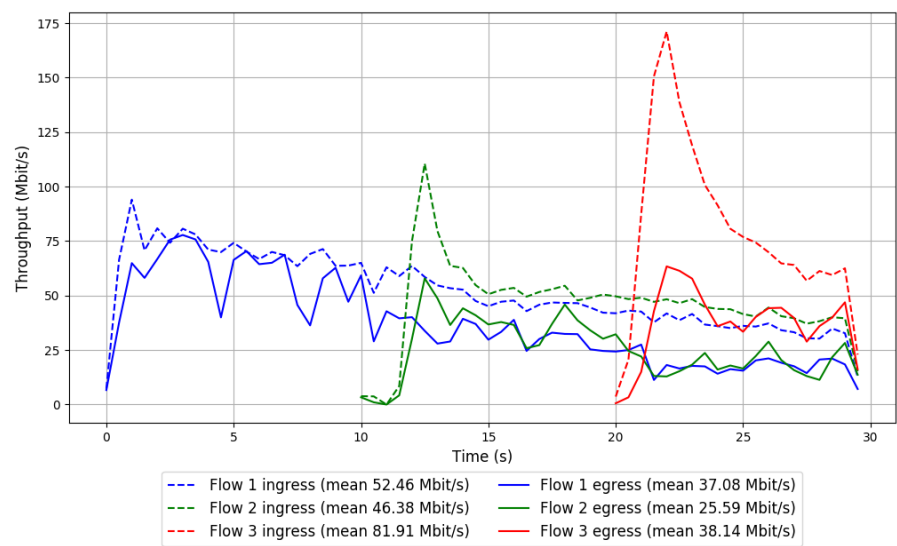


Run 7: Statistics of Indigo-calib

Start at: 2017-12-01 12:21:45
End at: 2017-12-01 12:22:15
Local clock offset: 7.454 ms
Remote clock offset: -43.779 ms

Below is generated by plot.py at 2017-12-01 13:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 39.49%
-- Flow 1:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 18.249 ms
Loss rate: 29.30%
-- Flow 2:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 19.397 ms
Loss rate: 44.82%
-- Flow 3:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 21.018 ms
Loss rate: 53.44%

Run 7: Report of Indigo-calib — Data Link

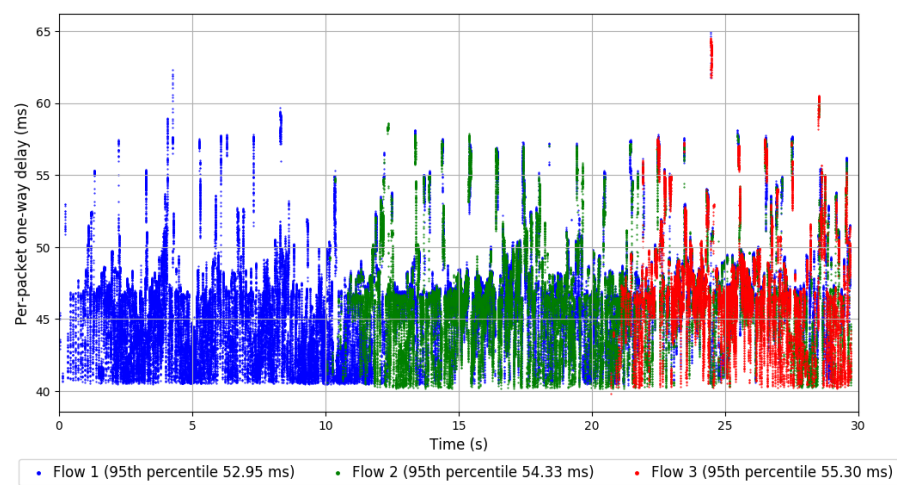
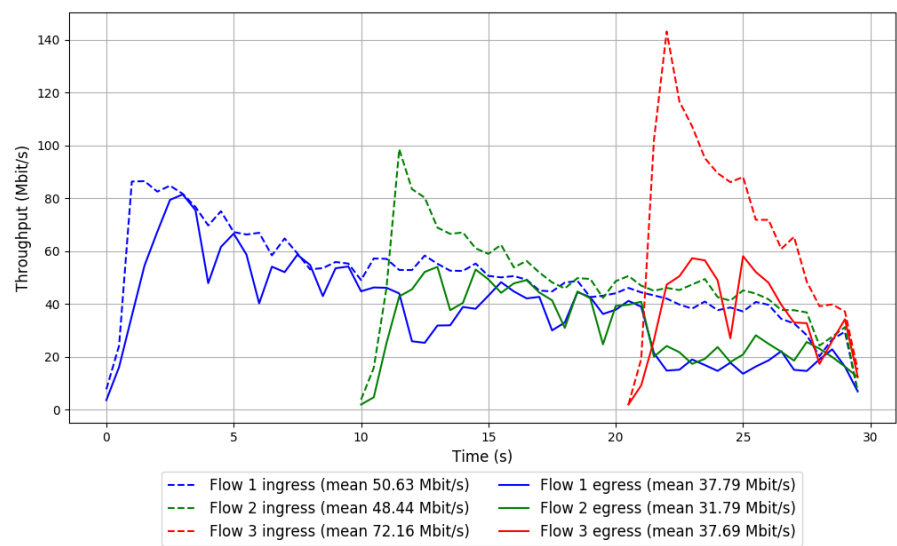


Run 8: Statistics of Indigo-calib

Start at: 2017-12-01 12:42:40
End at: 2017-12-01 12:43:10
Local clock offset: 6.476 ms
Remote clock offset: -10.02 ms

Below is generated by plot.py at 2017-12-01 13:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.22 Mbit/s
95th percentile per-packet one-way delay: 53.995 ms
Loss rate: 32.80%
-- Flow 1:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 52.946 ms
Loss rate: 25.34%
-- Flow 2:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 54.326 ms
Loss rate: 34.36%
-- Flow 3:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 55.299 ms
Loss rate: 47.75%

Run 8: Report of Indigo-calib — Data Link

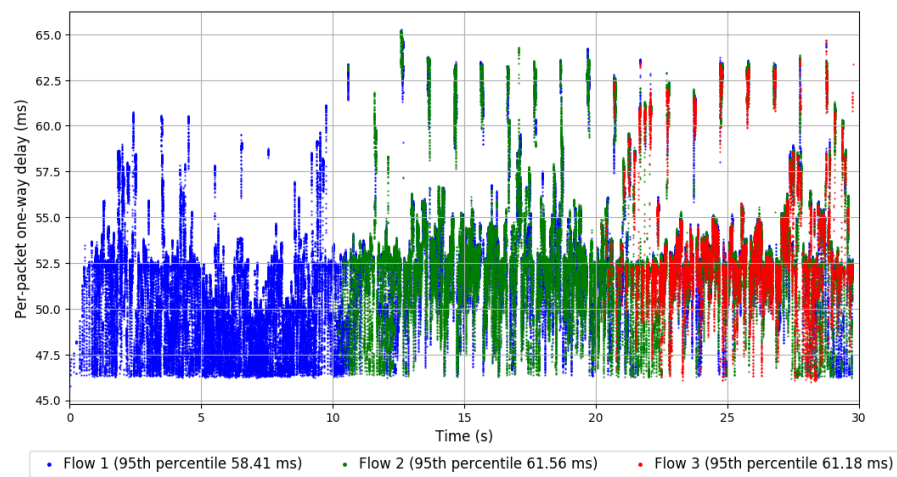
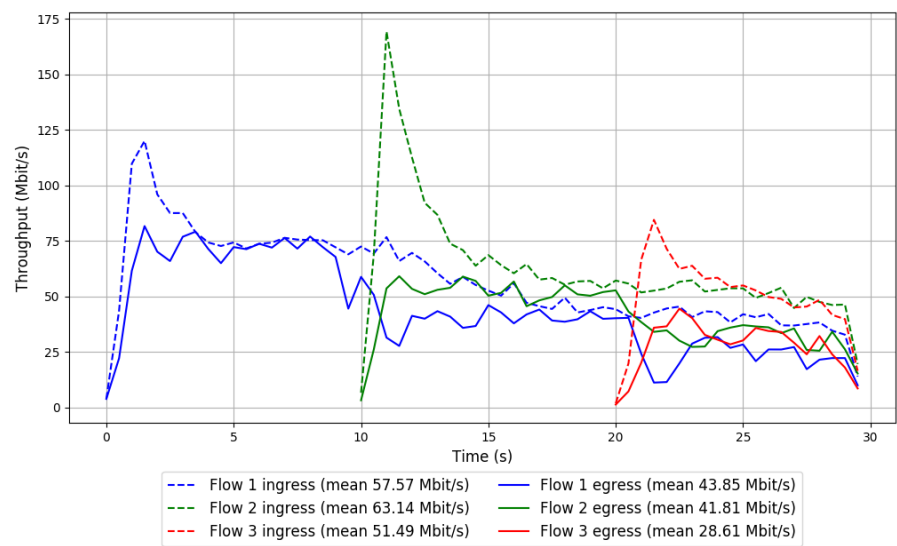


Run 9: Statistics of Indigo-calib

Start at: 2017-12-01 13:01:06
End at: 2017-12-01 13:01:36
Local clock offset: 5.759 ms
Remote clock offset: -4.111 ms

Below is generated by plot.py at 2017-12-01 13:50:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.68 Mbit/s
95th percentile per-packet one-way delay: 60.485 ms
Loss rate: 30.35%
-- Flow 1:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 58.411 ms
Loss rate: 23.82%
-- Flow 2:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 61.559 ms
Loss rate: 33.78%
-- Flow 3:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 61.182 ms
Loss rate: 44.37%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-01 13:20:01
End at: 2017-12-01 13:20:31
Local clock offset: 4.205 ms
Remote clock offset: -3.737 ms

Below is generated by plot.py at 2017-12-01 13:50:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 60.362 ms
Loss rate: 31.19%
-- Flow 1:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 59.647 ms
Loss rate: 27.57%
-- Flow 2:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 61.023 ms
Loss rate: 34.45%
-- Flow 3:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 61.779 ms
Loss rate: 38.67%

Run 10: Report of Indigo-calib — Data Link

