

Pantheon Report

Generated at 2017-12-01 00:46:22 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

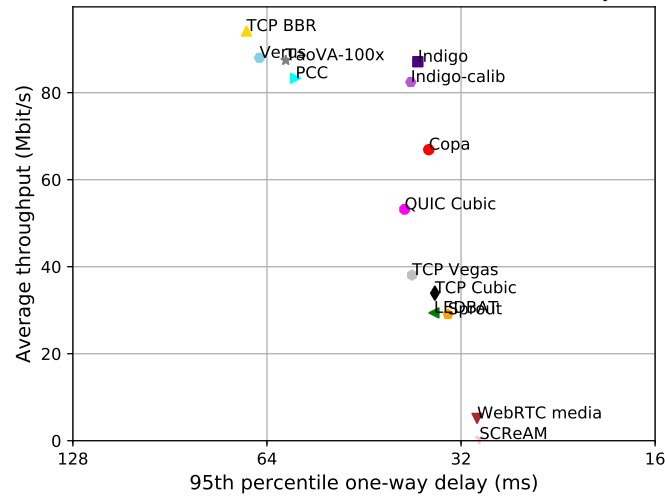
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

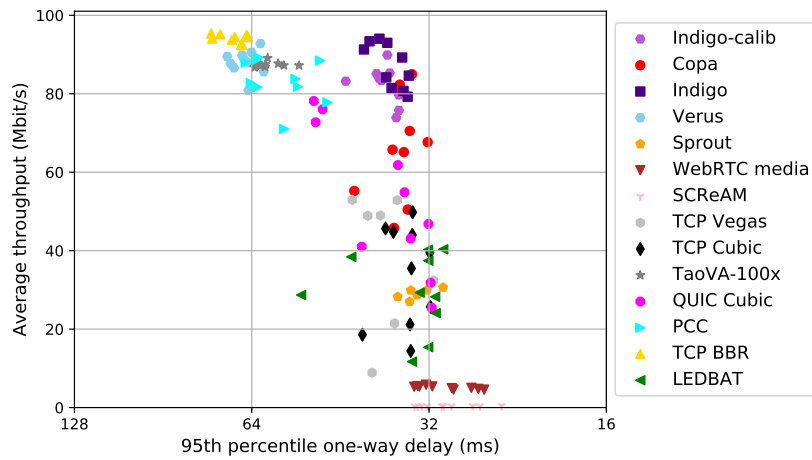
Git summary:

```
branch: 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 Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



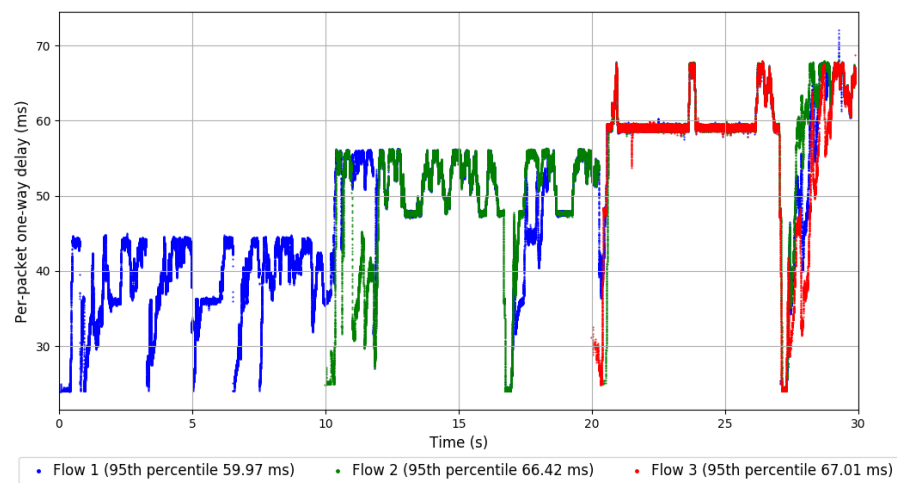
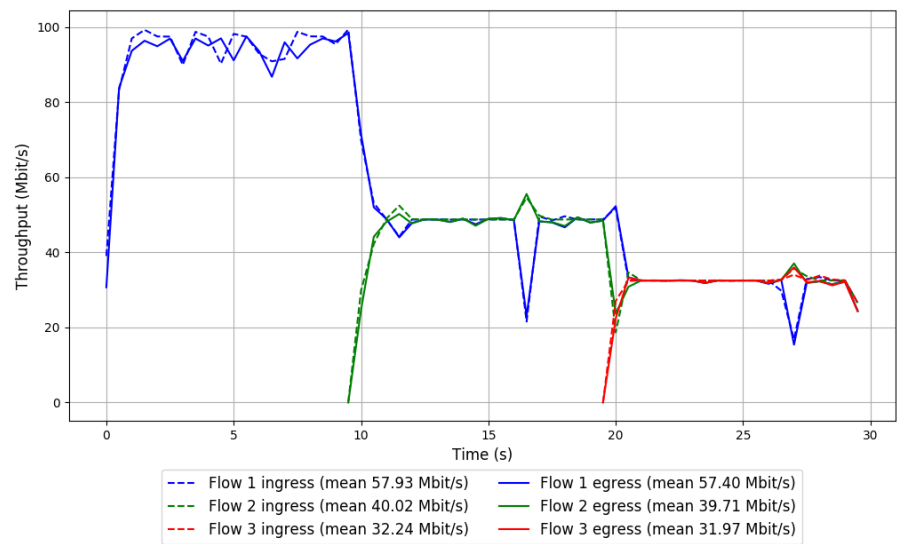
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.13	38.47	31.84	63.67	69.68	68.76	1.16	1.22	1.72
TCP Cubic	10	14.84	17.70	22.00	34.29	35.07	34.18	0.67	0.68	1.10
LEDBAT	10	15.28	15.49	11.52	35.19	33.56	36.60	0.67	0.79	1.47
PCC	10	56.17	30.25	21.35	56.17	49.84	57.93	1.19	1.67	1.76
QUIC Cubic	10	27.98	25.42	25.33	37.03	40.44	37.16	0.80	0.83	1.14
SCReAM	10	0.20	0.20	0.20	29.94	29.85	30.23	0.45	0.56	0.90
WebRTC media	10	2.70	1.74	0.72	29.96	30.36	30.76	0.52	0.75	1.41
Sprout	6	14.89	14.45	13.83	32.87	33.62	34.54	0.61	0.82	1.18
TaoVA-100x	10	54.46	39.87	26.07	56.19	59.08	64.80	1.03	1.15	2.00
TCP Vegas	7	22.86	15.57	21.61	721.59	34.19	36.93	0.31	0.65	0.82
Verus	10	53.74	35.72	32.02	60.70	67.51	66.67	1.17	1.39	1.67
Copa	10	42.97	27.83	21.45	35.90	38.60	37.28	0.95	1.03	1.56
Indigo	10	55.91	31.91	28.98	37.52	37.61	39.43	0.84	1.01	1.34
Indigo-calib	10	48.49	35.24	32.54	37.97	40.56	42.71	0.98	1.18	1.63

Run 1: Statistics of TCP BBR

Start at: 2017-11-30 18:06:17
End at: 2017-11-30 18:06:47
Local clock offset: 0.403 ms
Remote clock offset: -5.767 ms

Below is generated by plot.py at 2017-12-01 00:30:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 64.984 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 59.972 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 66.418 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 67.013 ms
Loss rate: 1.45%

Run 1: Report of TCP BBR — Data Link

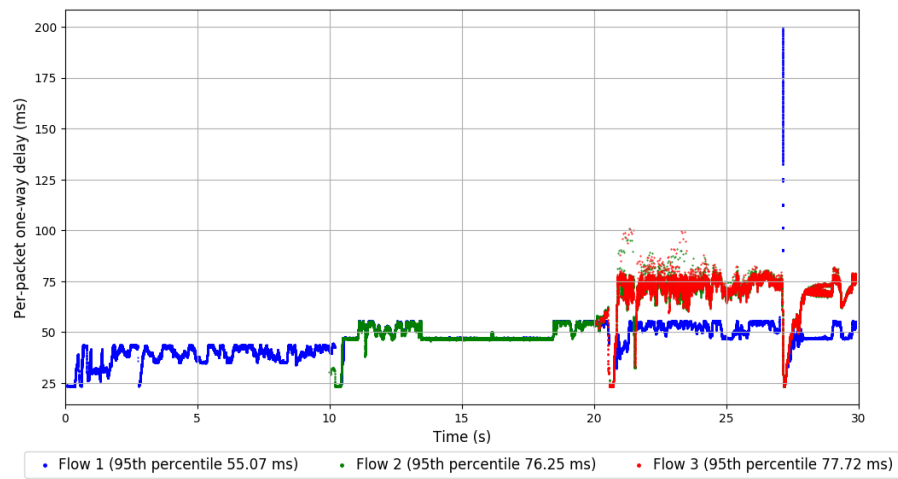
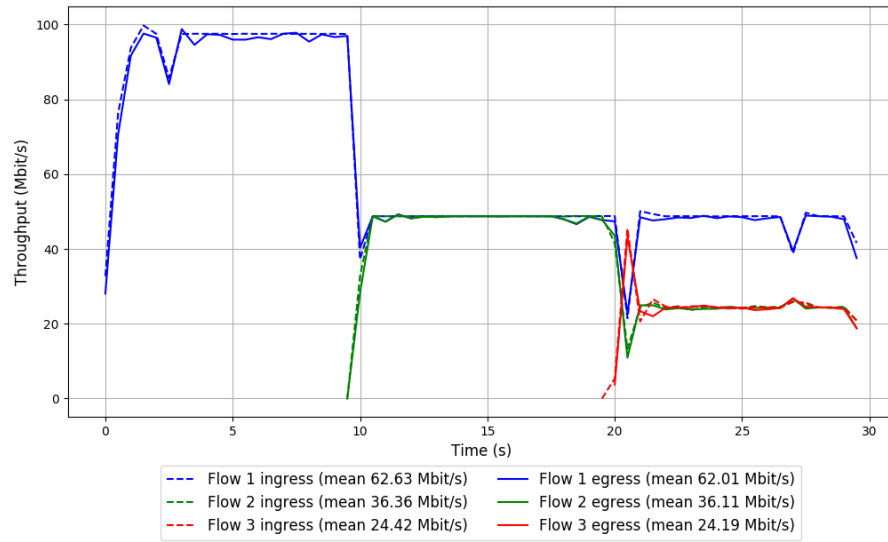


Run 2: Statistics of TCP BBR

Start at: 2017-11-30 18:25:47
End at: 2017-11-30 18:26:17
Local clock offset: 0.452 ms
Remote clock offset: -3.767 ms

Below is generated by plot.py at 2017-12-01 00:30:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 74.675 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 55.068 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 76.245 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 77.716 ms
Loss rate: 1.97%

Run 2: Report of TCP BBR — Data Link

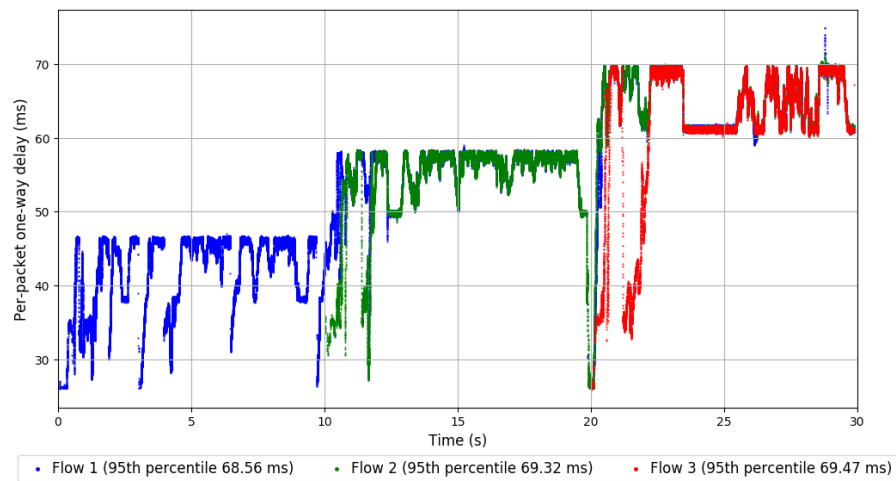
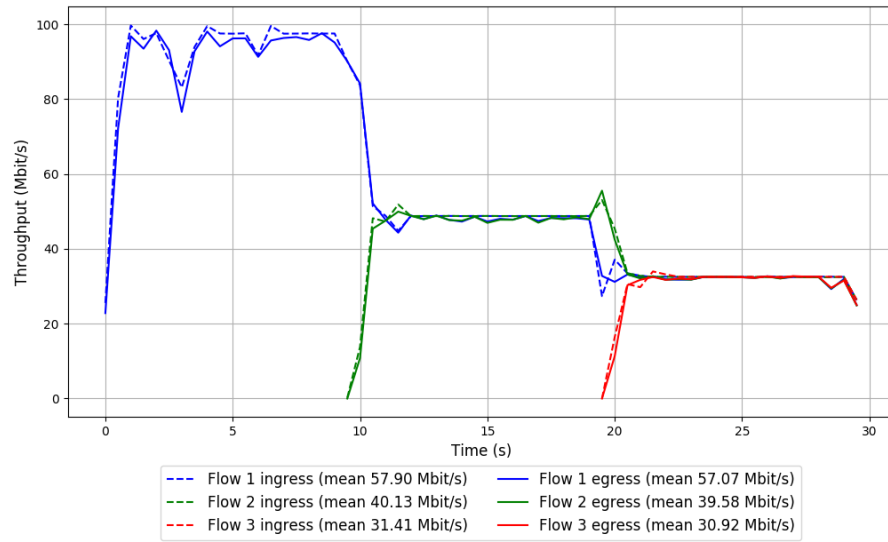


Run 3: Statistics of TCP BBR

Start at: 2017-11-30 18:46:09
End at: 2017-11-30 18:46:39
Local clock offset: 0.514 ms
Remote clock offset: -4.235 ms

Below is generated by plot.py at 2017-12-01 00:30:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 69.193 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 68.561 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 69.322 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 69.473 ms
Loss rate: 2.08%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-11-30 19:07:07

End at: 2017-11-30 19:07:37

Local clock offset: 0.487 ms

Remote clock offset: -1.18 ms

Below is generated by plot.py at 2017-12-01 00:30:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.43 Mbit/s

95th percentile per-packet one-way delay: 66.401 ms

Loss rate: 2.50%

-- Flow 1:

Average throughput: 57.82 Mbit/s

95th percentile per-packet one-way delay: 65.623 ms

Loss rate: 2.32%

-- Flow 2:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 66.535 ms

Loss rate: 2.62%

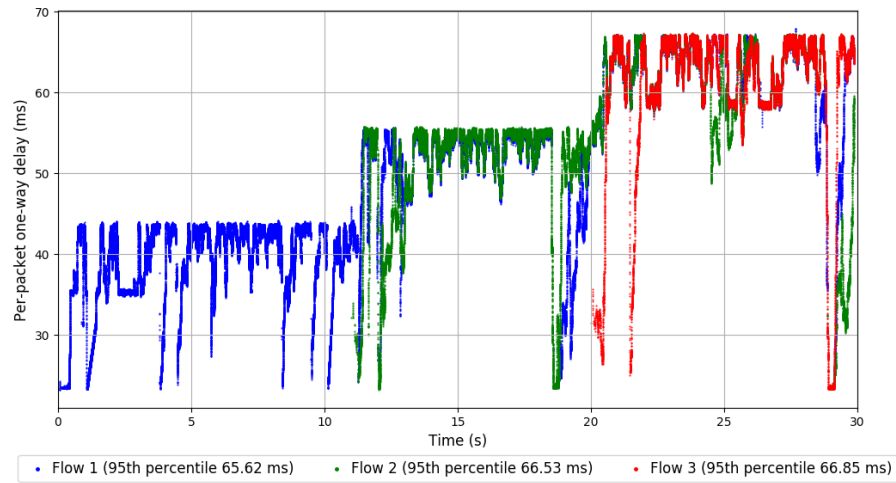
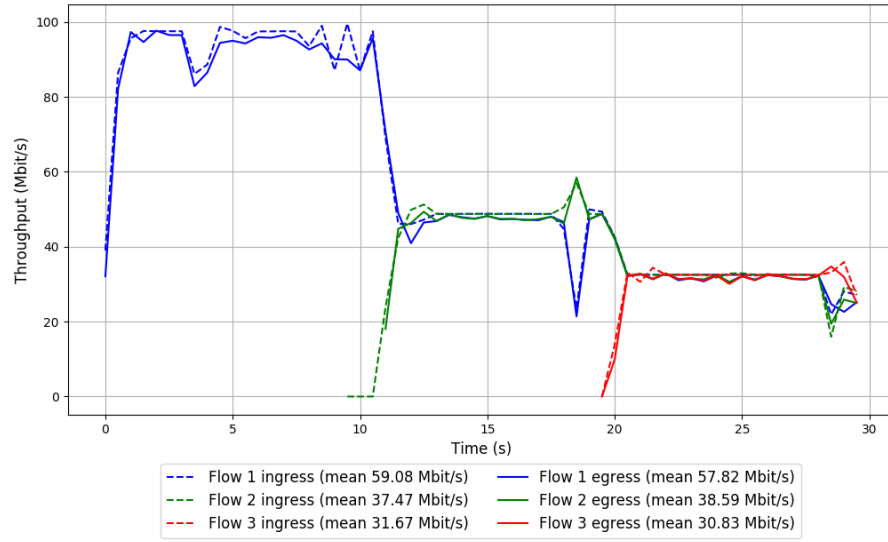
-- Flow 3:

Average throughput: 30.83 Mbit/s

95th percentile per-packet one-way delay: 66.847 ms

Loss rate: 3.24%

Run 4: Report of TCP BBR — Data Link

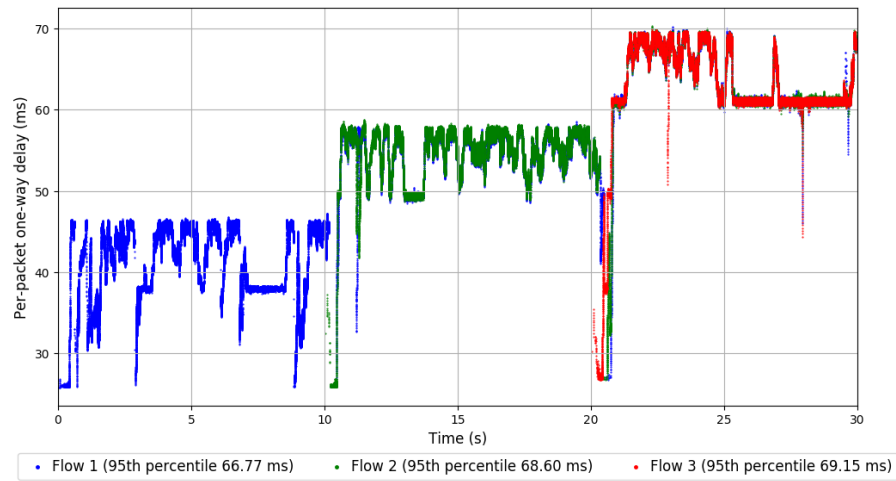
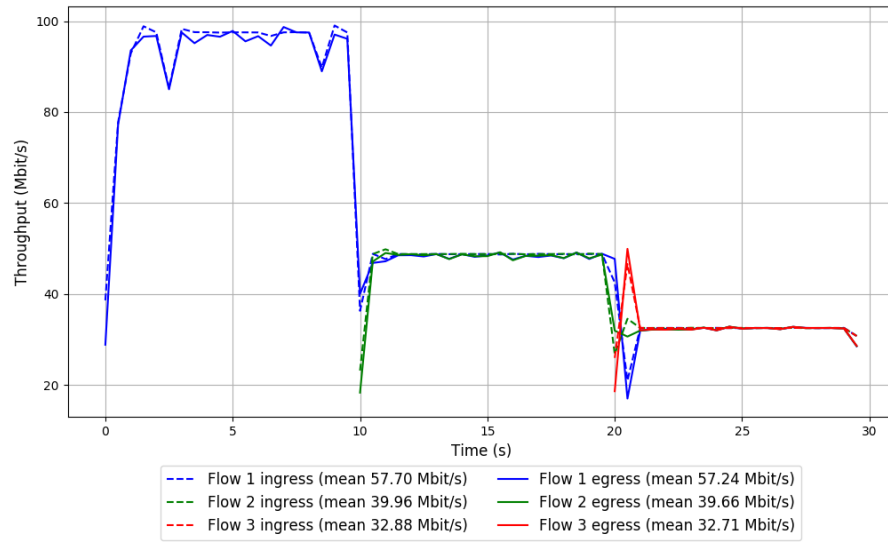


Run 5: Statistics of TCP BBR

Start at: 2017-11-30 19:27:12
End at: 2017-11-30 19:27:42
Local clock offset: 0.543 ms
Remote clock offset: -3.616 ms

Below is generated by plot.py at 2017-12-01 00:30:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 68.349 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 68.602 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 69.150 ms
Loss rate: 1.27%

Run 5: Report of TCP BBR — Data Link

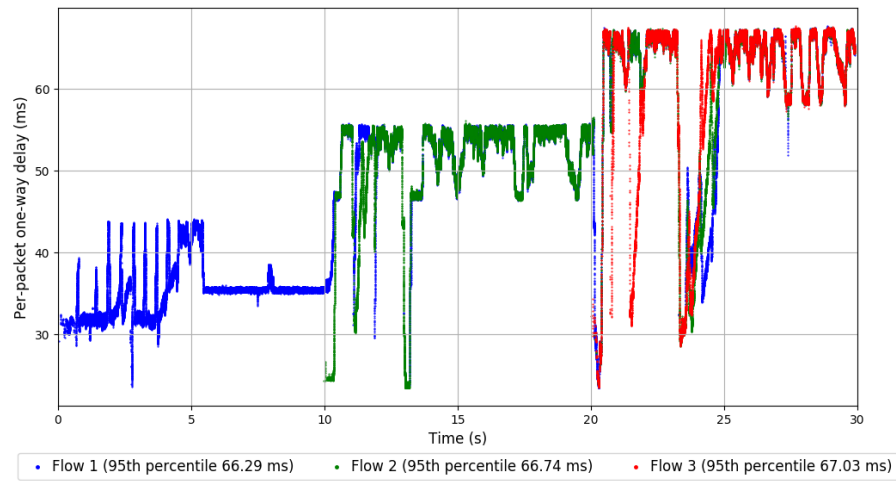
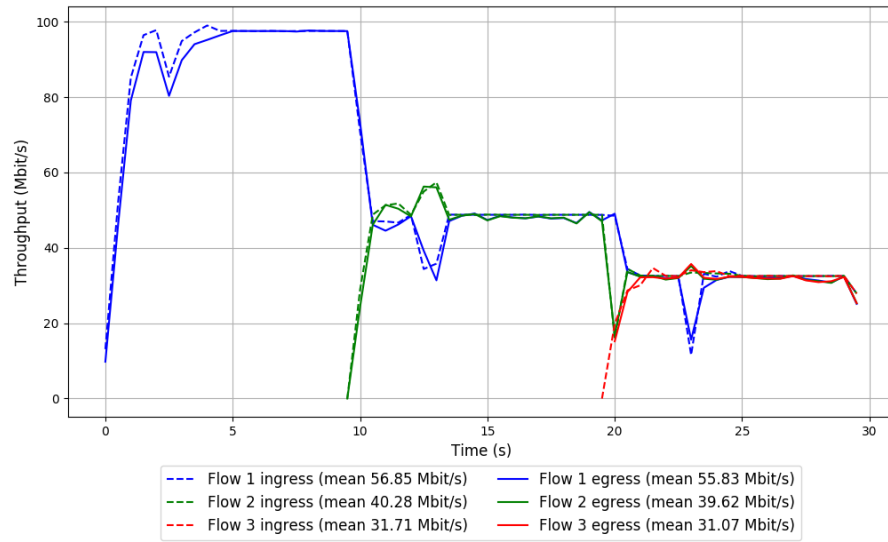


Run 6: Statistics of TCP BBR

Start at: 2017-11-30 19:47:28
End at: 2017-11-30 19:47:58
Local clock offset: 0.619 ms
Remote clock offset: -1.275 ms

Below is generated by plot.py at 2017-12-01 00:30:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 66.704 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 55.83 Mbit/s
95th percentile per-packet one-way delay: 66.291 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 66.741 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 2.80%

Run 6: Report of TCP BBR — Data Link

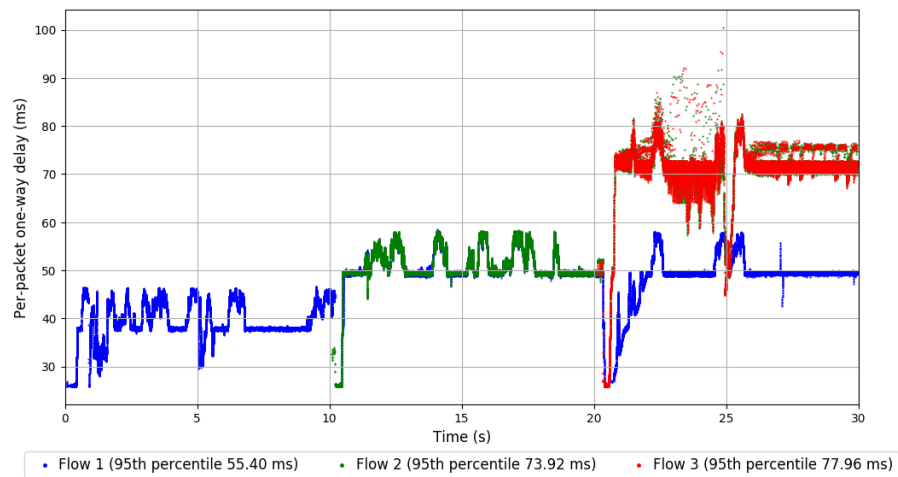
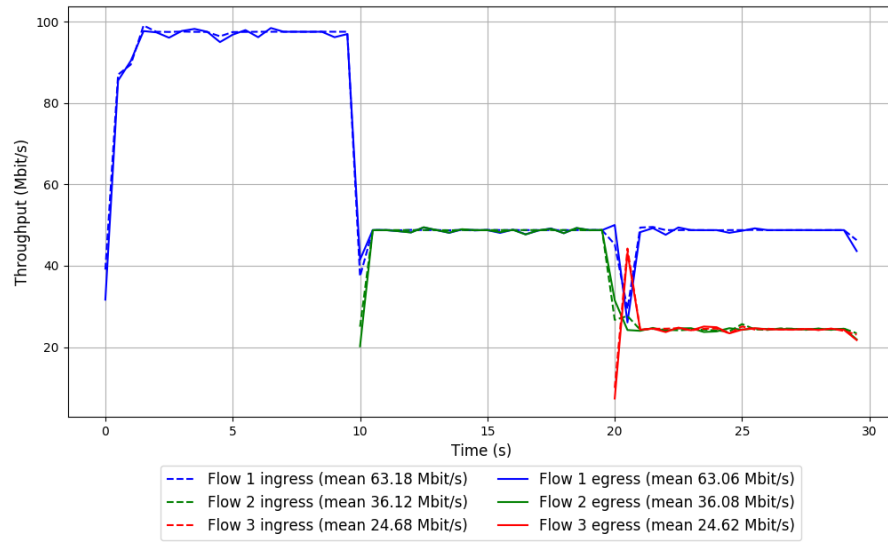


Run 7: Statistics of TCP BBR

Start at: 2017-11-30 20:07:39
End at: 2017-11-30 20:08:09
Local clock offset: 0.625 ms
Remote clock offset: -3.702 ms

Below is generated by plot.py at 2017-12-01 00:30:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 72.388 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 55.397 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 73.920 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 77.963 ms
Loss rate: 1.04%

Run 7: Report of TCP BBR — Data Link

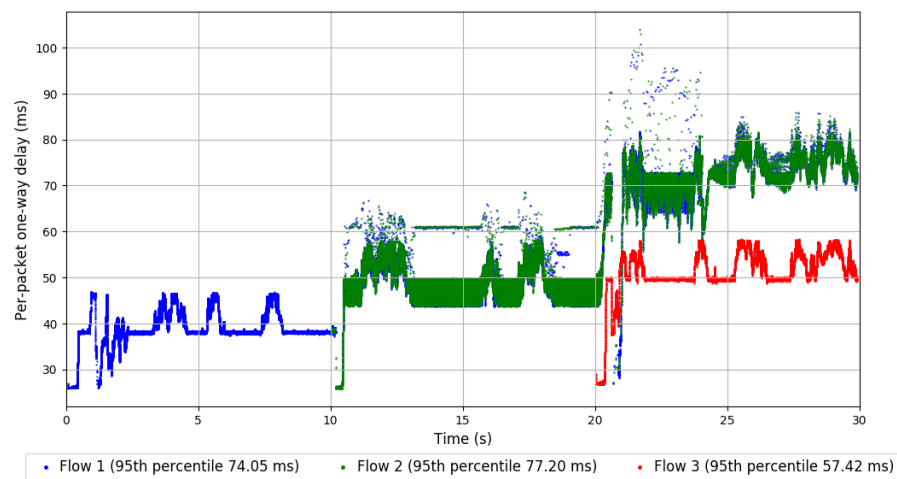
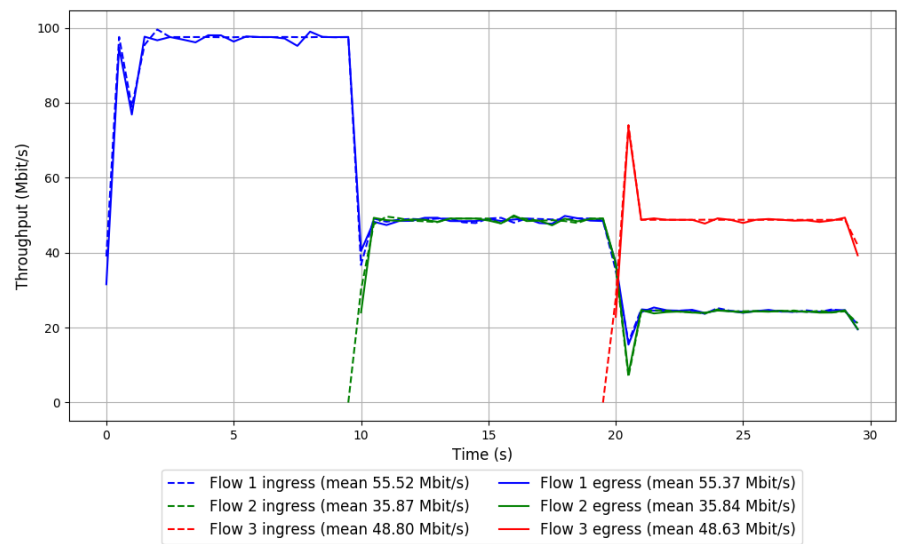


Run 8: Statistics of TCP BBR

Start at: 2017-11-30 20:26:56
End at: 2017-11-30 20:27:26
Local clock offset: 0.674 ms
Remote clock offset: -3.666 ms

Below is generated by plot.py at 2017-12-01 00:30:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 74.992 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 74.045 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 77.198 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 57.417 ms
Loss rate: 0.99%

Run 8: Report of TCP BBR — Data Link

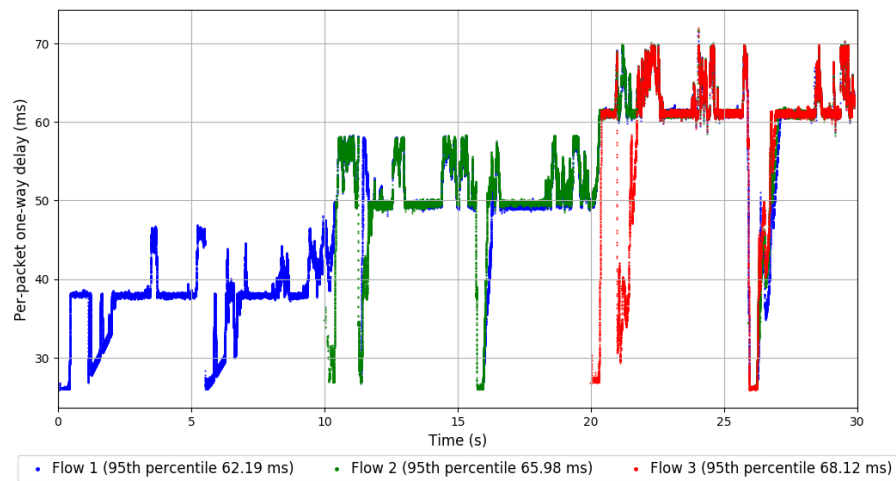
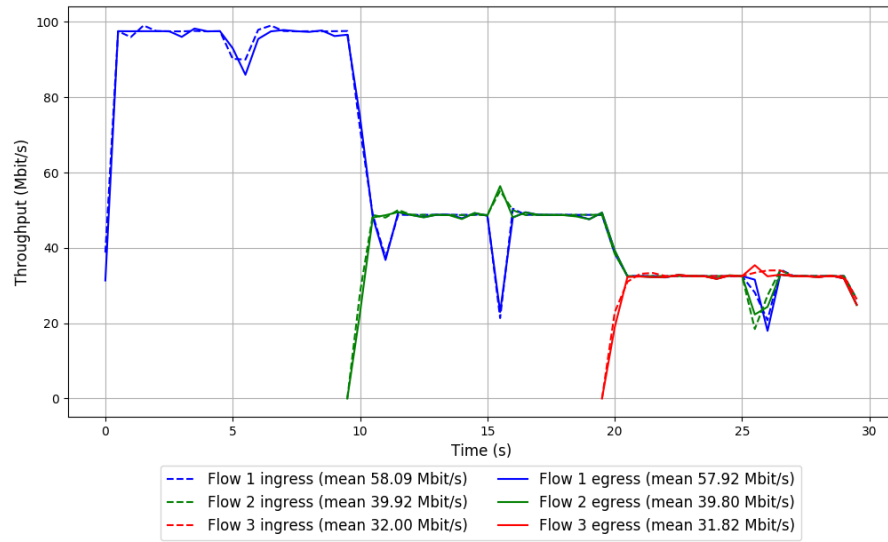


Run 9: Statistics of TCP BBR

Start at: 2017-11-30 20:46:13
End at: 2017-11-30 20:46:43
Local clock offset: 0.393 ms
Remote clock offset: -3.676 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 65.281 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 62.194 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 65.976 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 68.121 ms
Loss rate: 1.26%

Run 9: Report of TCP BBR — Data Link

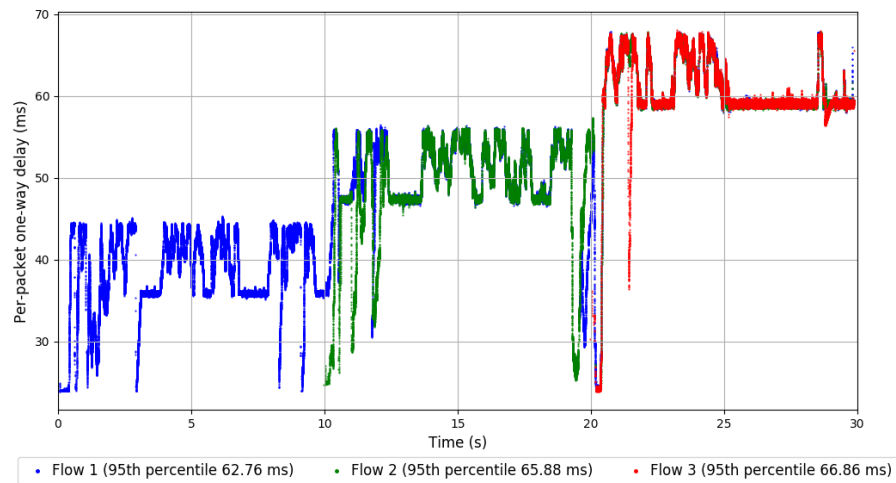
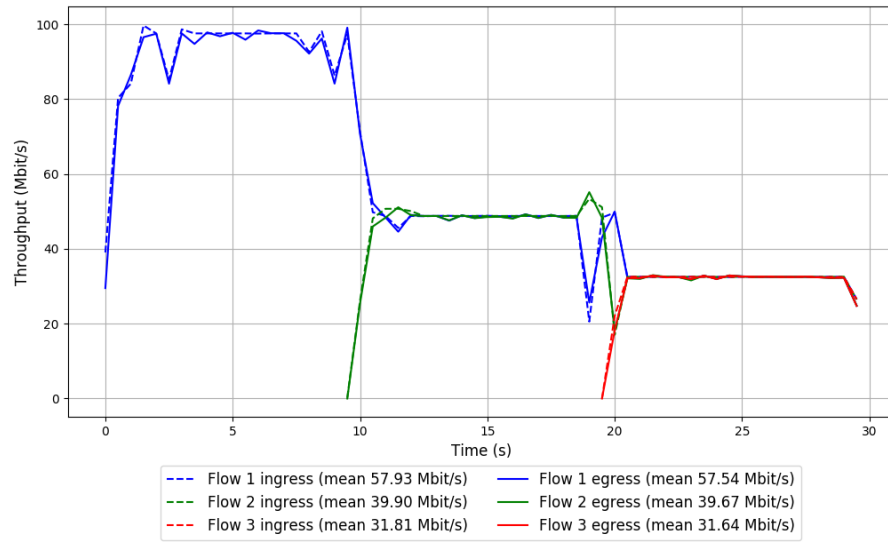


Run 10: Statistics of TCP BBR

Start at: 2017-11-30 21:05:45
End at: 2017-11-30 21:06:15
Local clock offset: -0.024 ms
Remote clock offset: -1.643 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 65.541 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 62.755 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 65.877 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 66.863 ms
Loss rate: 1.13%

Run 10: Report of TCP BBR — Data Link

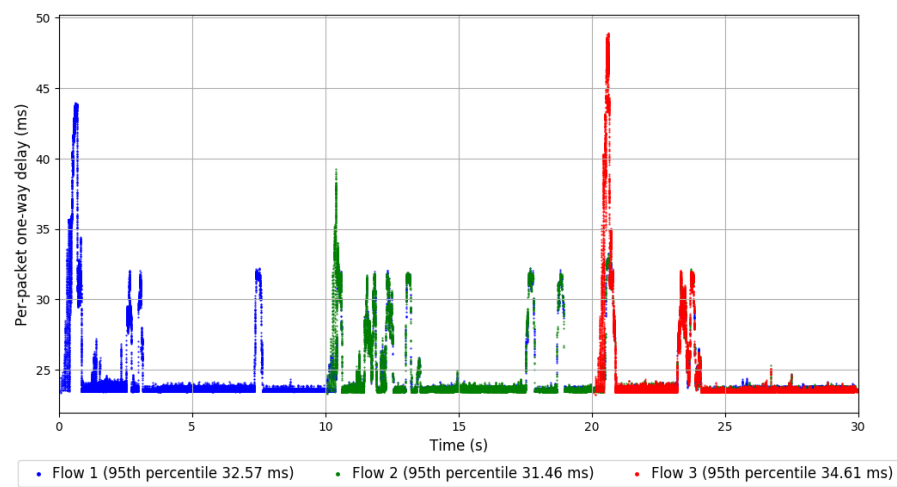
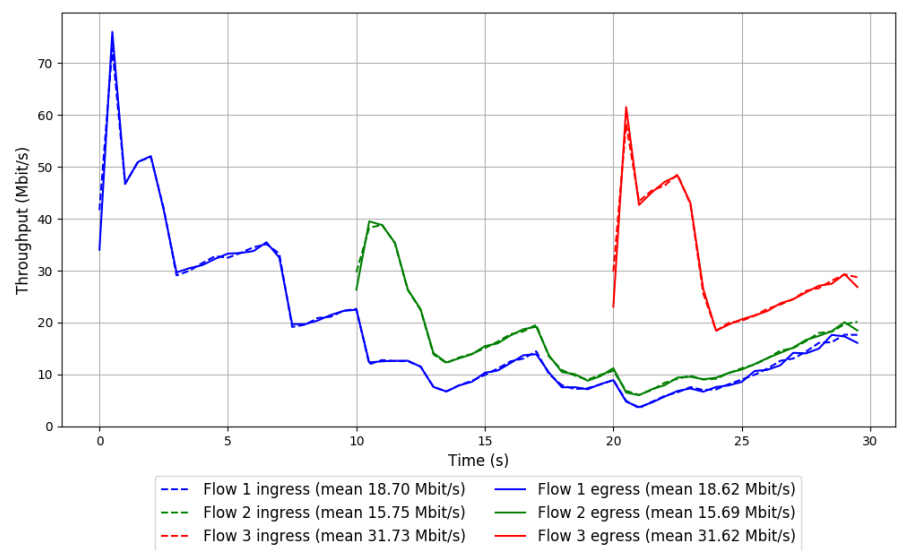


Run 1: Statistics of TCP Cubic

Start at: 2017-11-30 18:02:06
End at: 2017-11-30 18:02:36
Local clock offset: 0.395 ms
Remote clock offset: -5.407 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 31.900 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 32.569 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 31.459 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 34.610 ms
Loss rate: 0.88%

Run 1: Report of TCP Cubic — Data Link

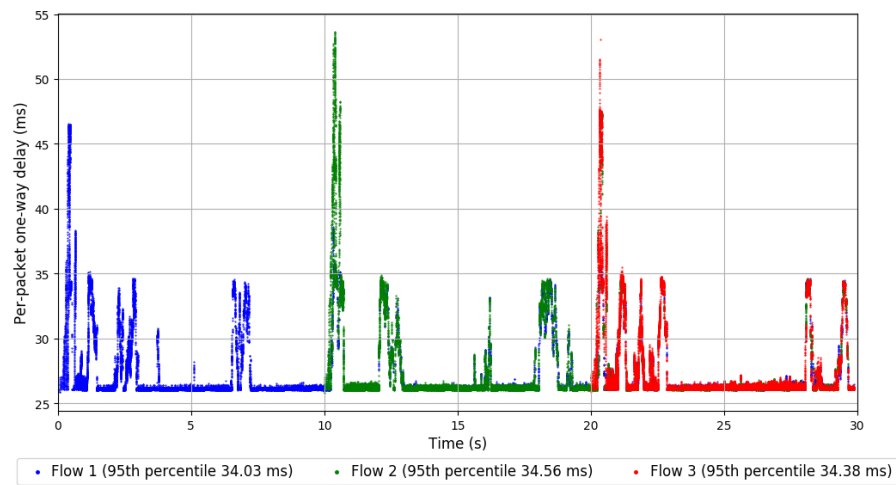
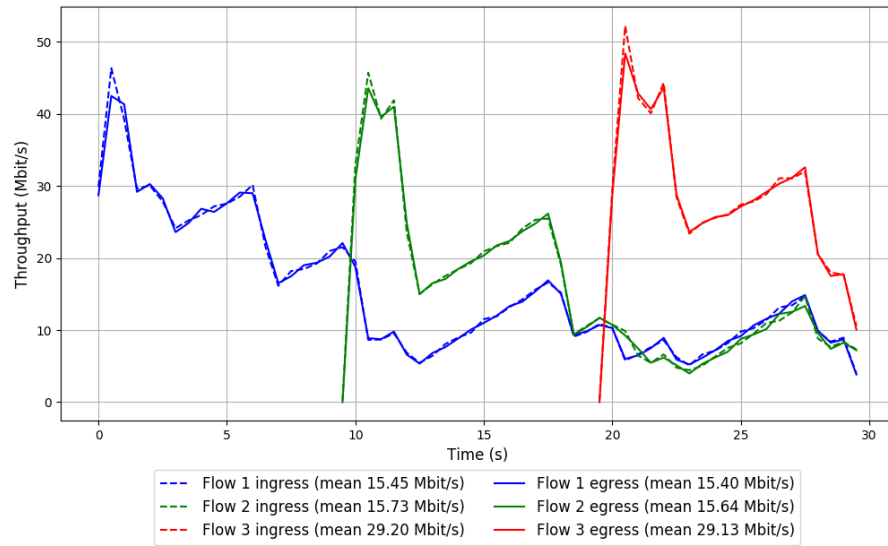


Run 2: Statistics of TCP Cubic

Start at: 2017-11-30 18:21:31
End at: 2017-11-30 18:22:01
Local clock offset: 0.467 ms
Remote clock offset: -6.801 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.48 Mbit/s
95th percentile per-packet one-way delay: 34.283 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 34.034 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 34.557 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 29.13 Mbit/s
95th percentile per-packet one-way delay: 34.382 ms
Loss rate: 0.78%

Run 2: Report of TCP Cubic — Data Link

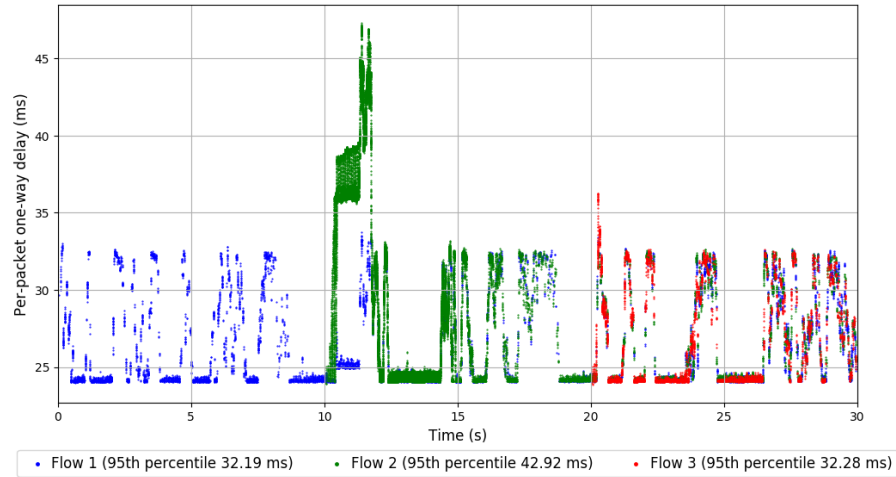
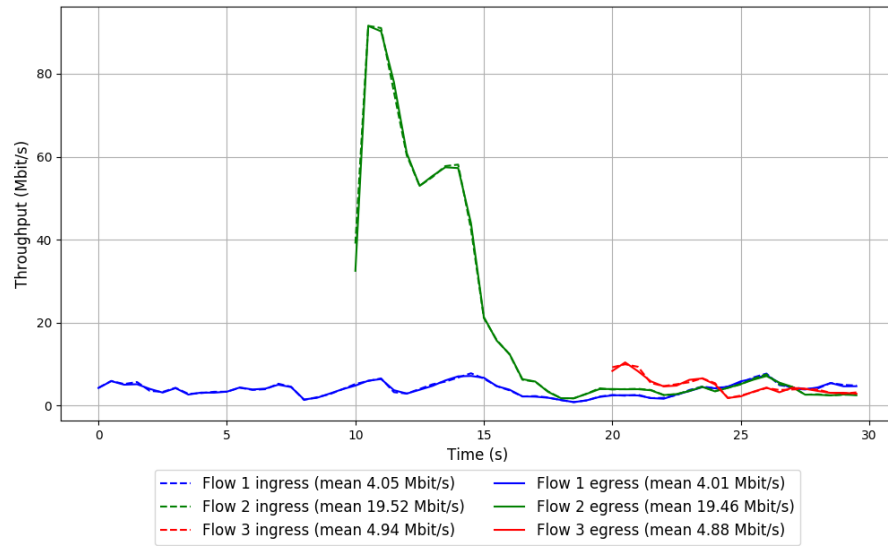


Run 3: Statistics of TCP Cubic

Start at: 2017-11-30 18:41:42
End at: 2017-11-30 18:42:12
Local clock offset: 0.504 ms
Remote clock offset: -2.487 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 41.520 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 32.186 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 19.46 Mbit/s
95th percentile per-packet one-way delay: 42.925 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 32.281 ms
Loss rate: 1.88%

Run 3: Report of TCP Cubic — Data Link

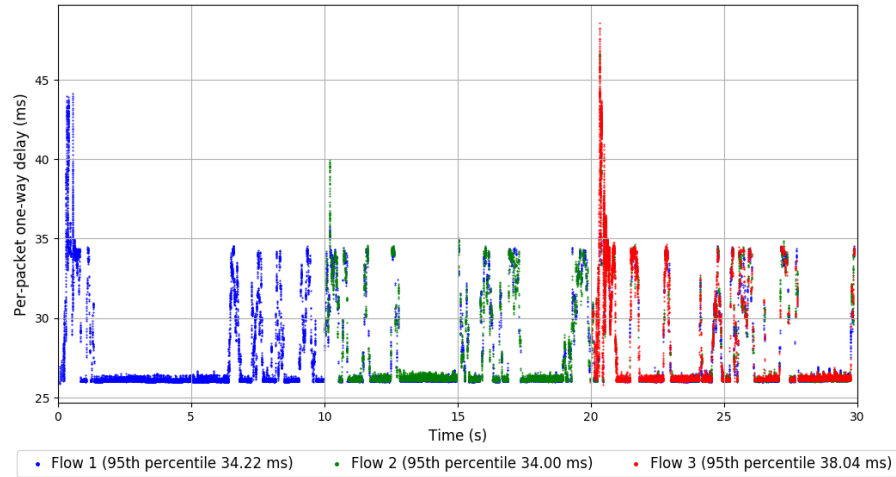
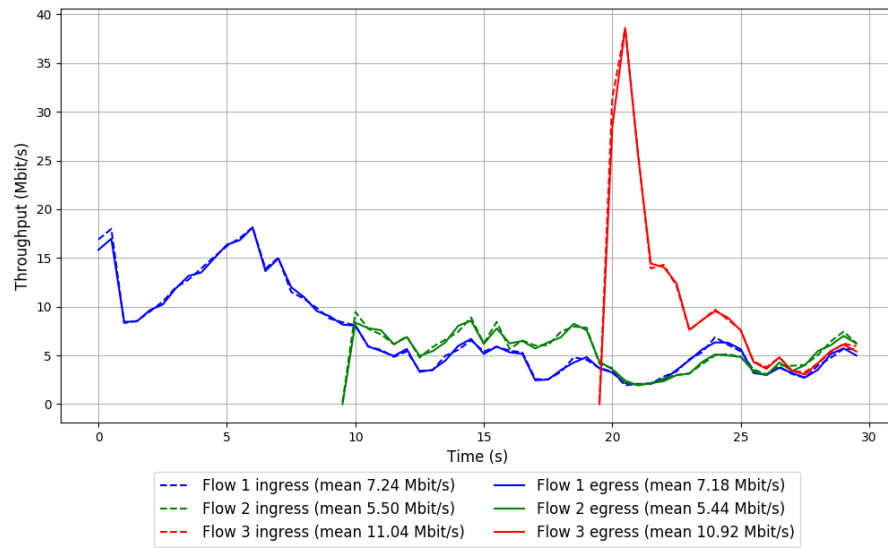


Run 4: Statistics of TCP Cubic

Start at: 2017-11-30 19:02:57
End at: 2017-11-30 19:03:27
Local clock offset: 0.491 ms
Remote clock offset: -3.893 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 34.369 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 34.223 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 34.000 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 38.037 ms
Loss rate: 1.63%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-11-30 19:23:02

End at: 2017-11-30 19:23:32

Local clock offset: 0.521 ms

Remote clock offset: -1.19 ms

Below is generated by plot.py at 2017-12-01 00:31:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.69 Mbit/s

95th percentile per-packet one-way delay: 31.836 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 31.711 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 16.50 Mbit/s

95th percentile per-packet one-way delay: 31.977 ms

Loss rate: 0.78%

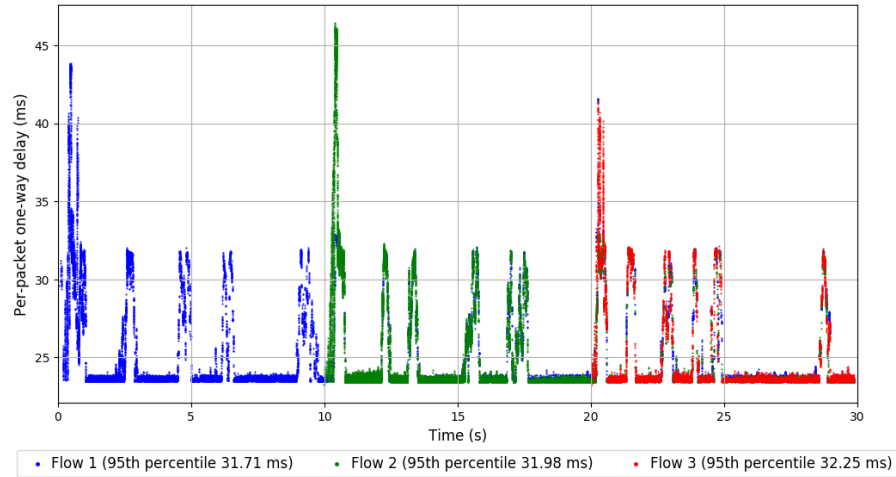
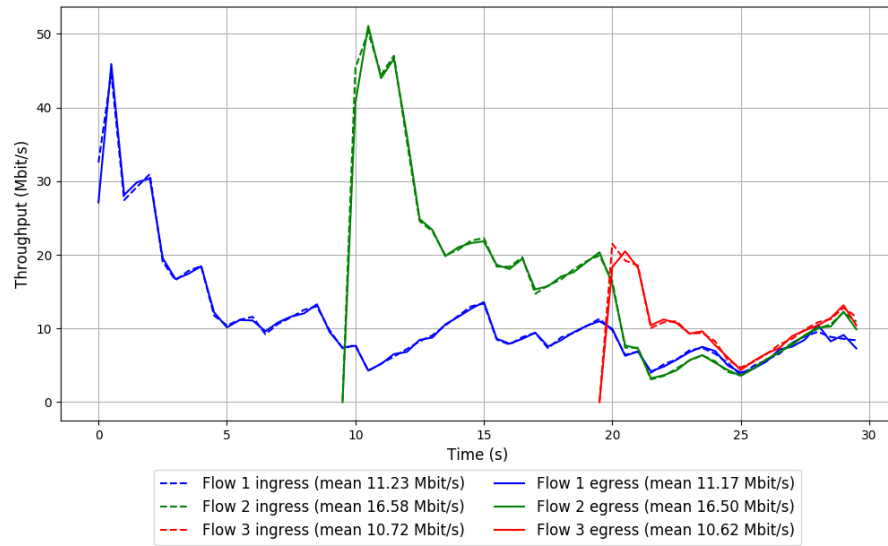
-- Flow 3:

Average throughput: 10.62 Mbit/s

95th percentile per-packet one-way delay: 32.254 ms

Loss rate: 1.46%

Run 5: Report of TCP Cubic — Data Link

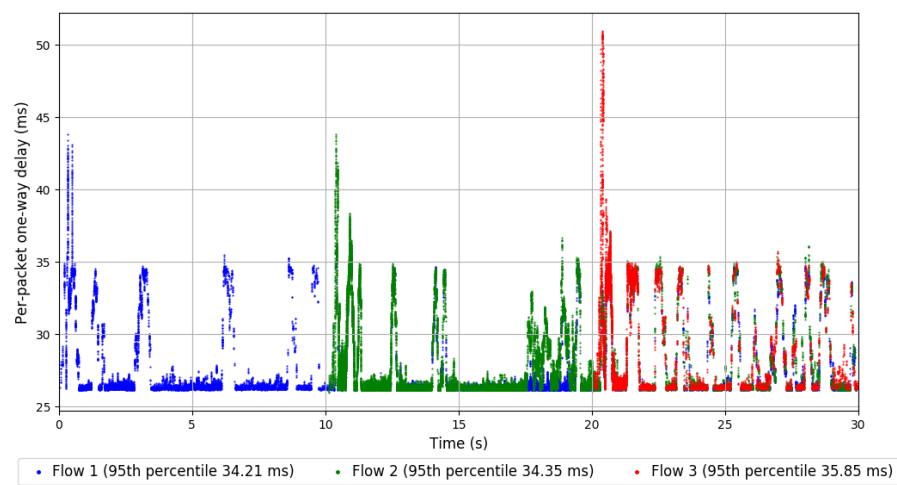
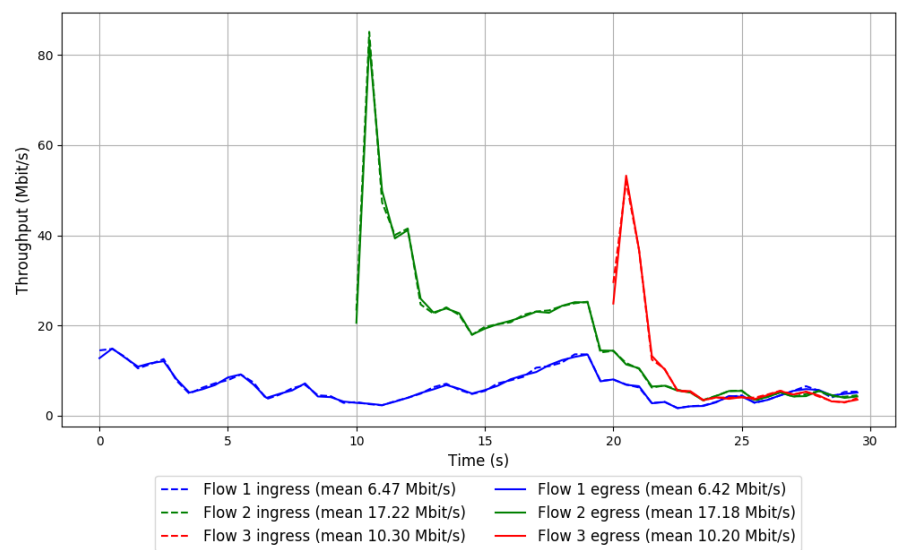


Run 6: Statistics of TCP Cubic

Start at: 2017-11-30 19:43:11
End at: 2017-11-30 19:43:41
Local clock offset: 0.704 ms
Remote clock offset: -3.773 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 34.462 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 34.207 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 34.347 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 35.852 ms
Loss rate: 1.47%

Run 6: Report of TCP Cubic — Data Link

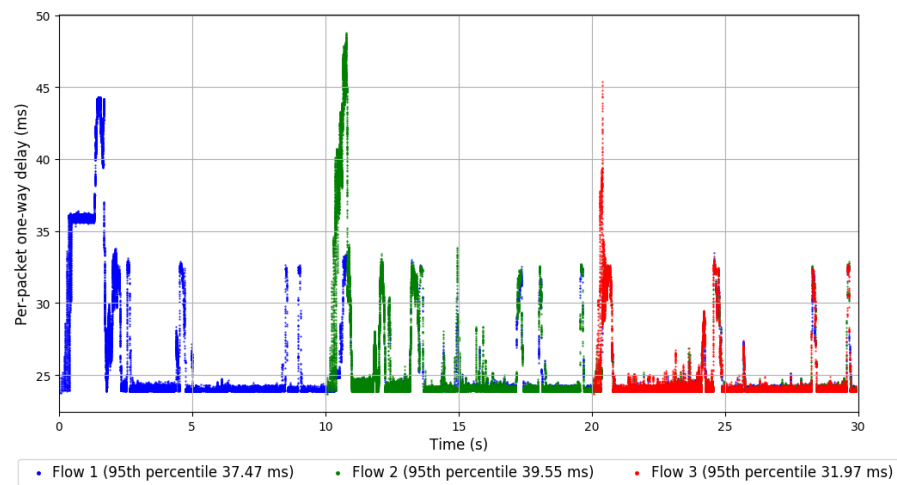
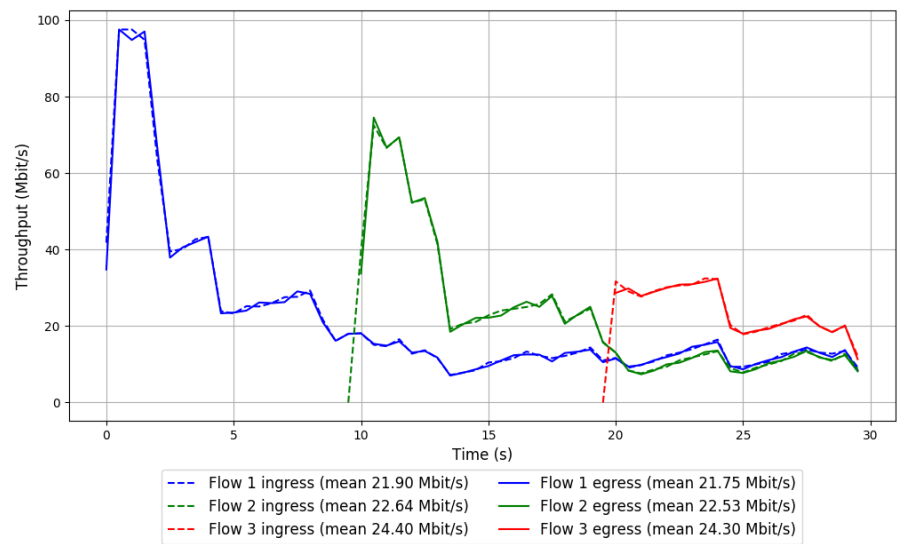


Run 7: Statistics of TCP Cubic

Start at: 2017-11-30 20:03:28
End at: 2017-11-30 20:03:58
Local clock offset: 0.688 ms
Remote clock offset: -1.636 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 36.785 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 37.469 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 39.547 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 31.969 ms
Loss rate: 0.93%

Run 7: Report of TCP Cubic — Data Link

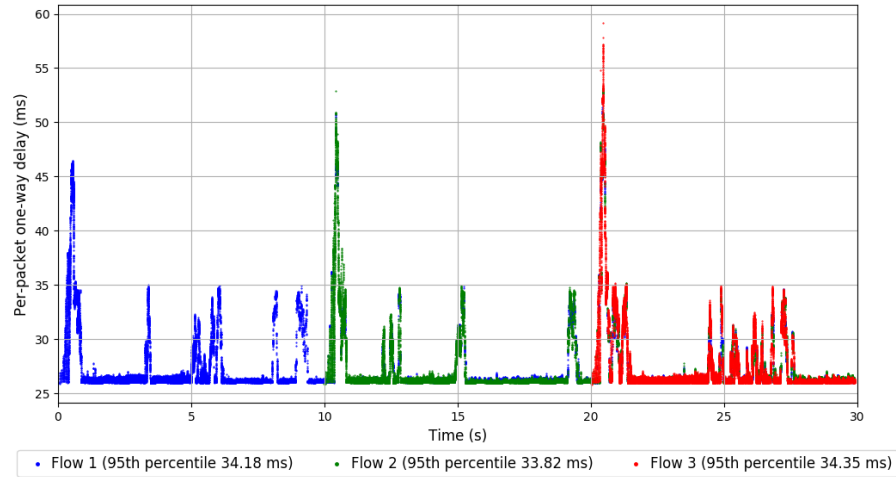
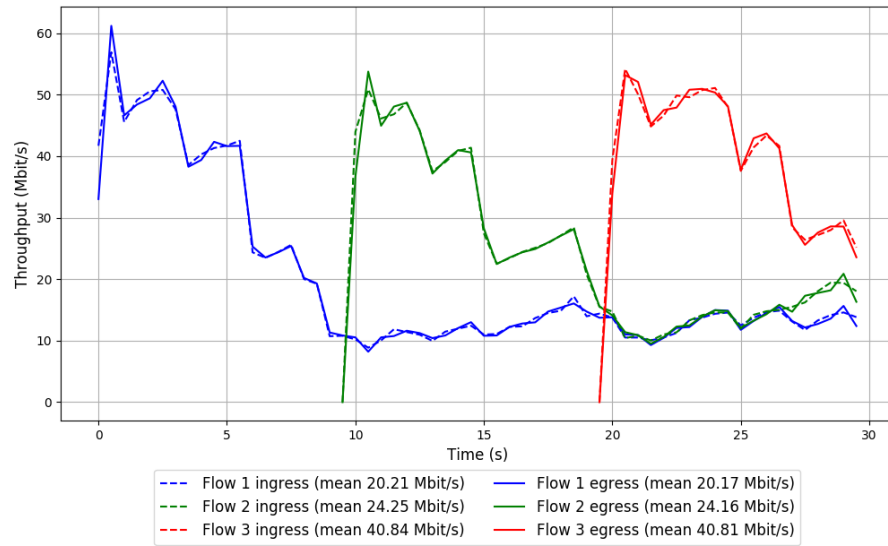


Run 8: Statistics of TCP Cubic

Start at: 2017-11-30 20:22:53
End at: 2017-11-30 20:23:23
Local clock offset: 0.737 ms
Remote clock offset: -3.675 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 34.118 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 34.176 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 33.820 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 34.346 ms
Loss rate: 0.60%

Run 8: Report of TCP Cubic — Data Link

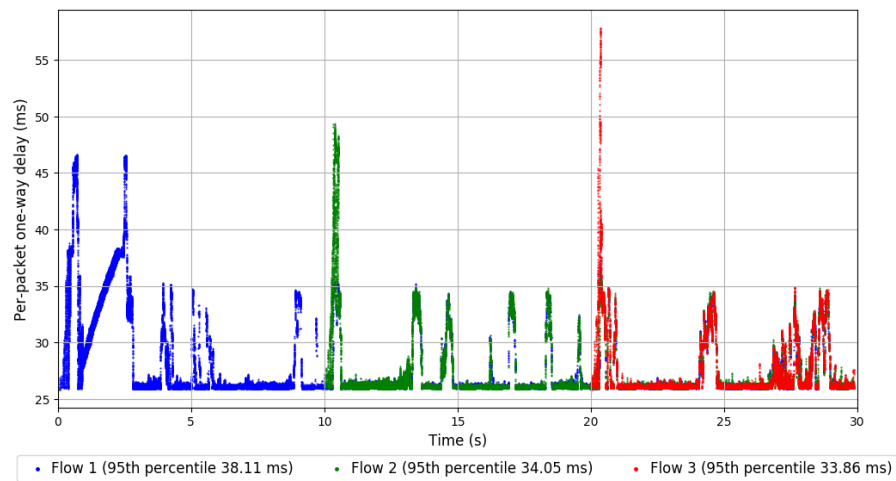
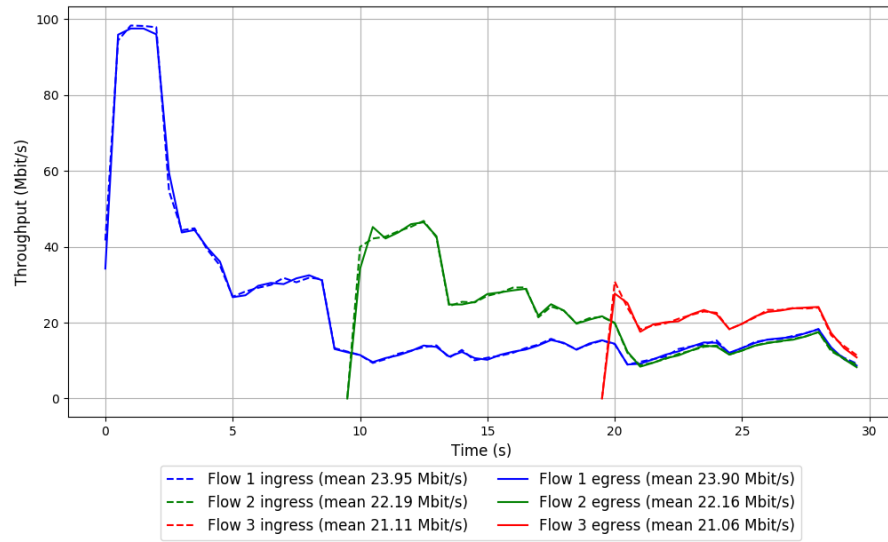


Run 9: Statistics of TCP Cubic

Start at: 2017-11-30 20:42:10
End at: 2017-11-30 20:42:40
Local clock offset: 0.457 ms
Remote clock offset: -3.674 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 37.933 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 38.114 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 34.052 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 21.06 Mbit/s
95th percentile per-packet one-way delay: 33.860 ms
Loss rate: 0.77%

Run 9: Report of TCP Cubic — Data Link

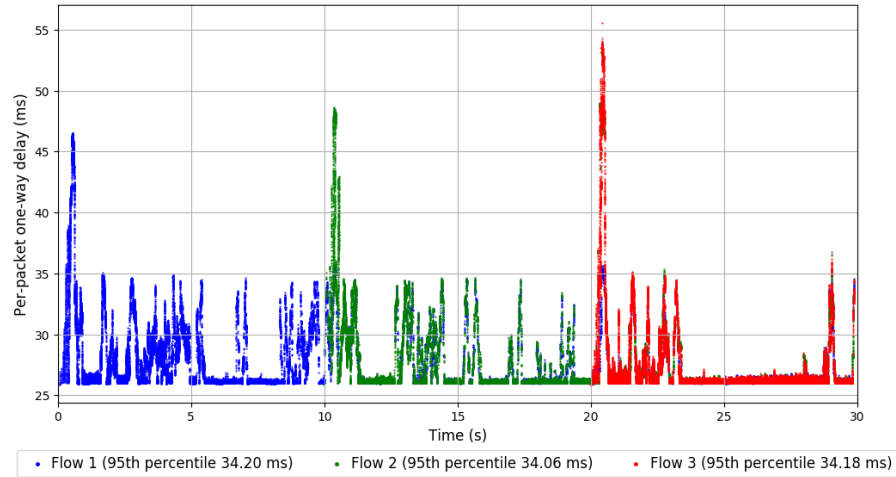
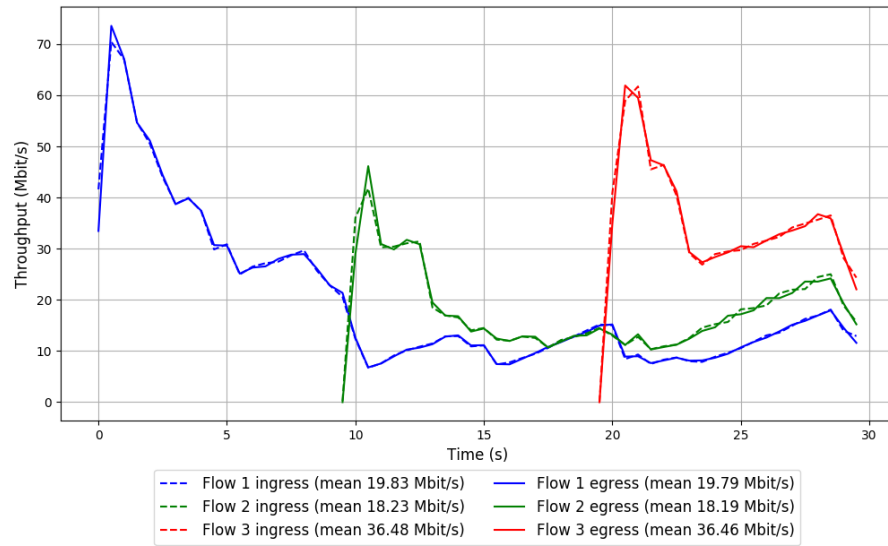


Run 10: Statistics of TCP Cubic

Start at: 2017-11-30 21:01:40
End at: 2017-11-30 21:02:10
Local clock offset: 0.164 ms
Remote clock offset: -3.625 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 34.155 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 34.196 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 34.065 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 34.181 ms
Loss rate: 0.59%

Run 10: Report of TCP Cubic — Data Link

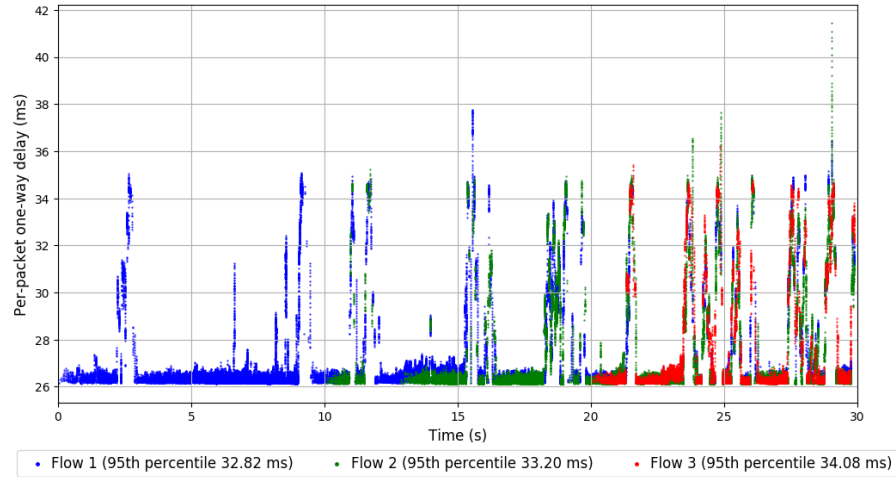
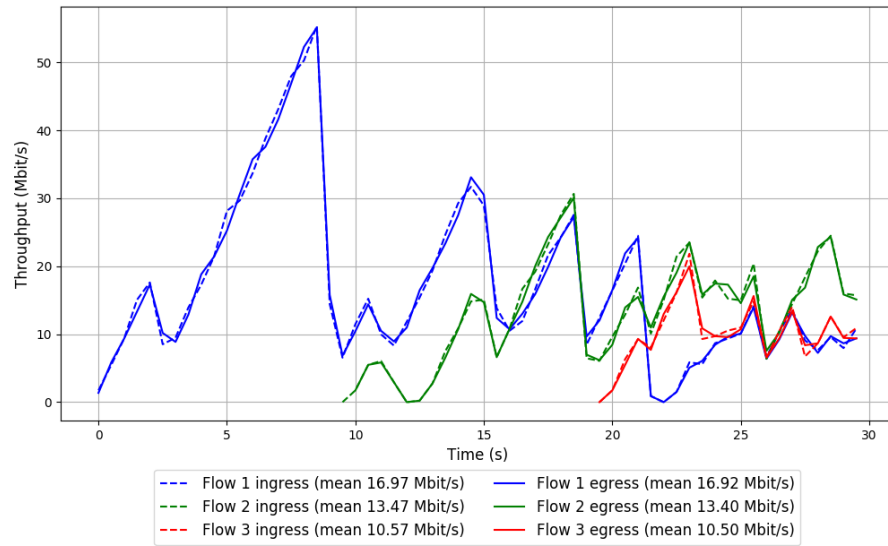


```
Run 1: Statistics of LEDBAT

Start at: 2017-11-30 18:07:44
End at: 2017-11-30 18:08:15
Local clock offset: 0.501 ms
Remote clock offset: -7.728 ms

# Below is generated by plot.py at 2017-12-01 00:31:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 33.196 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: 32.824 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 33.195 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 10.50 Mbit/s
95th percentile per-packet one-way delay: 34.080 ms
Loss rate: 1.21%
```

Run 1: Report of LEDBAT — Data Link

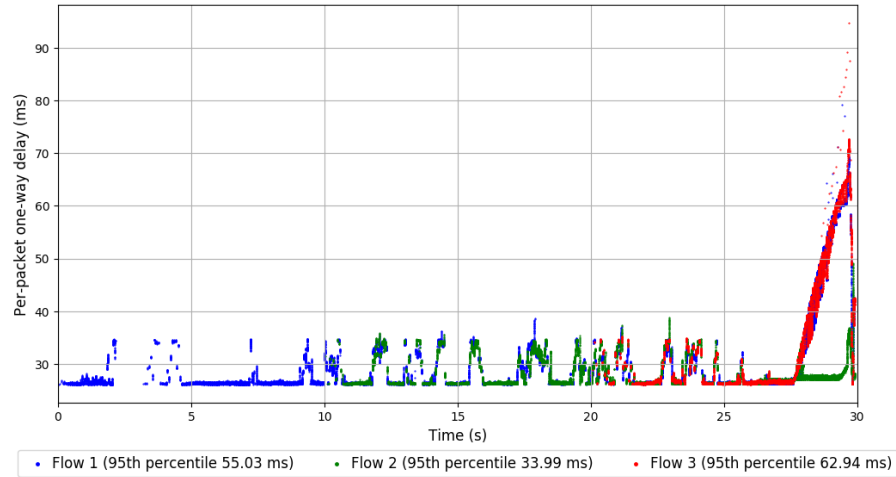
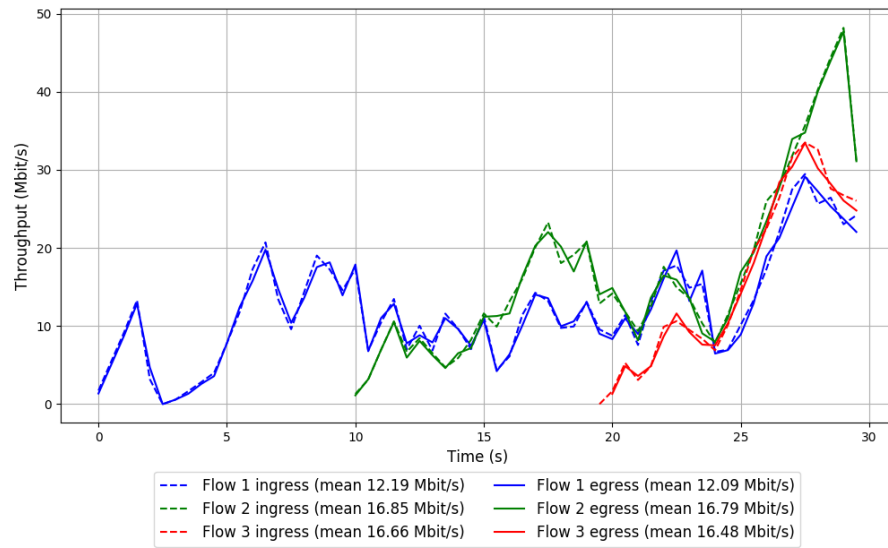


Run 2: Statistics of LEDBAT

Start at: 2017-11-30 18:27:21
End at: 2017-11-30 18:27:51
Local clock offset: 0.447 ms
Remote clock offset: -6.324 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.70 Mbit/s
95th percentile per-packet one-way delay: 52.766 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 55.034 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 33.992 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 62.942 ms
Loss rate: 1.68%

Run 2: Report of LEDBAT — Data Link

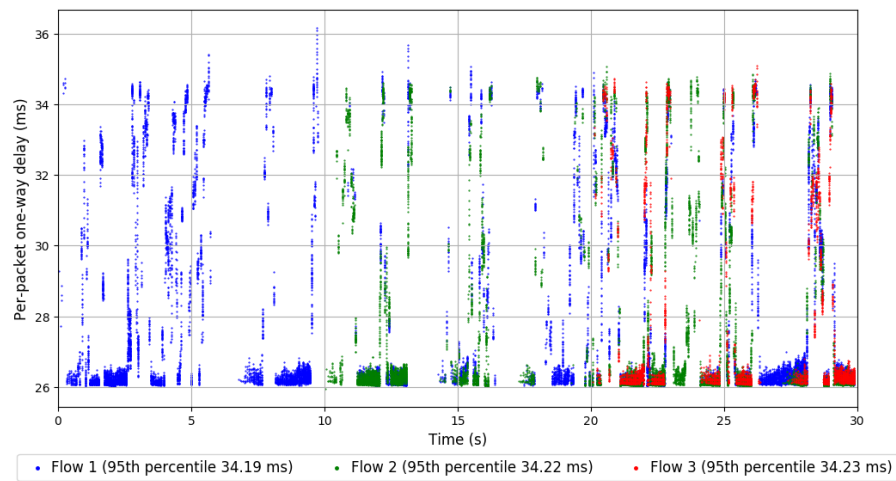
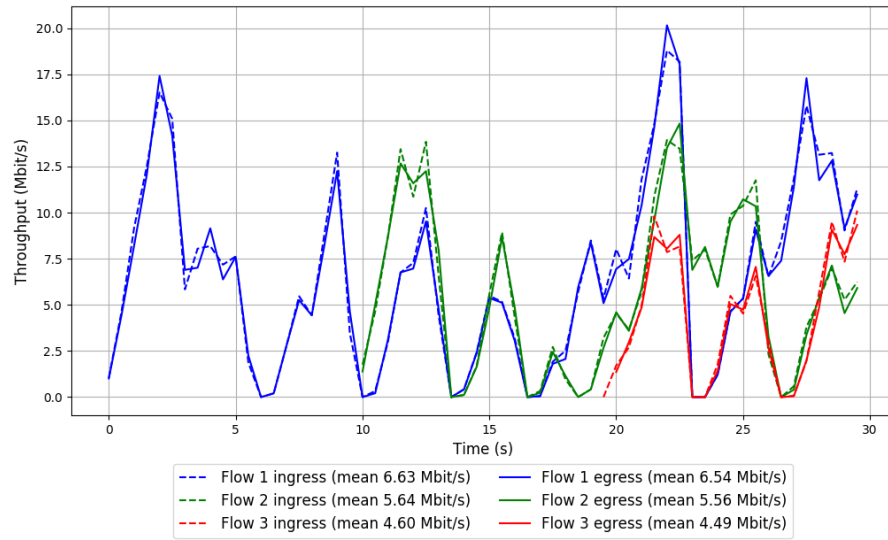


Run 3: Statistics of LEDBAT

Start at: 2017-11-30 18:47:49
End at: 2017-11-30 18:48:19
Local clock offset: 0.514 ms
Remote clock offset: -4.119 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 34.205 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 34.186 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 34.220 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 34.226 ms
Loss rate: 2.77%

Run 3: Report of LEDBAT — Data Link

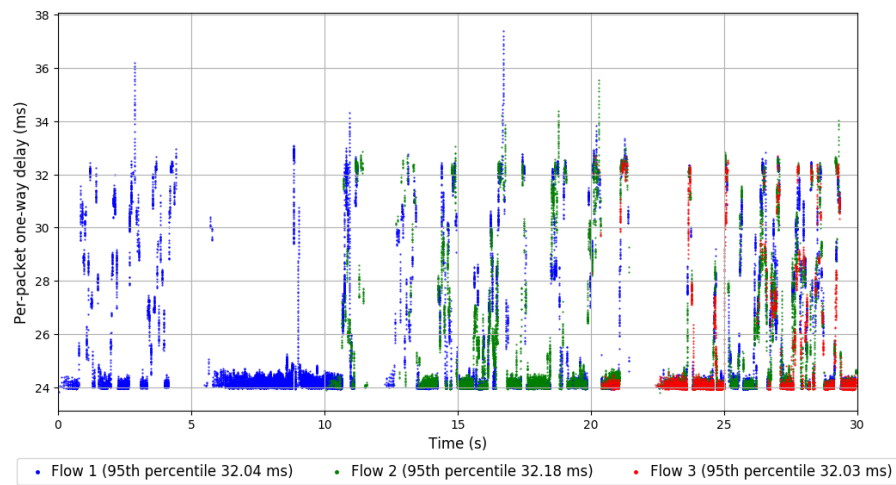
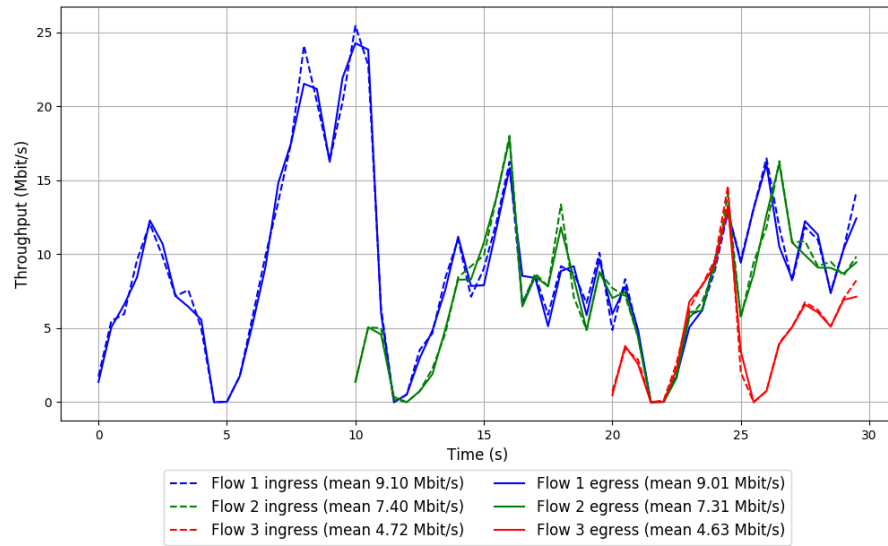


Run 4: Statistics of LEDBAT

Start at: 2017-11-30 19:08:45
End at: 2017-11-30 19:09:15
Local clock offset: 0.522 ms
Remote clock offset: -1.738 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.39 Mbit/s
95th percentile per-packet one-way delay: 32.103 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 32.038 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 32.181 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 32.026 ms
Loss rate: 2.40%

Run 4: Report of LEDBAT — Data Link

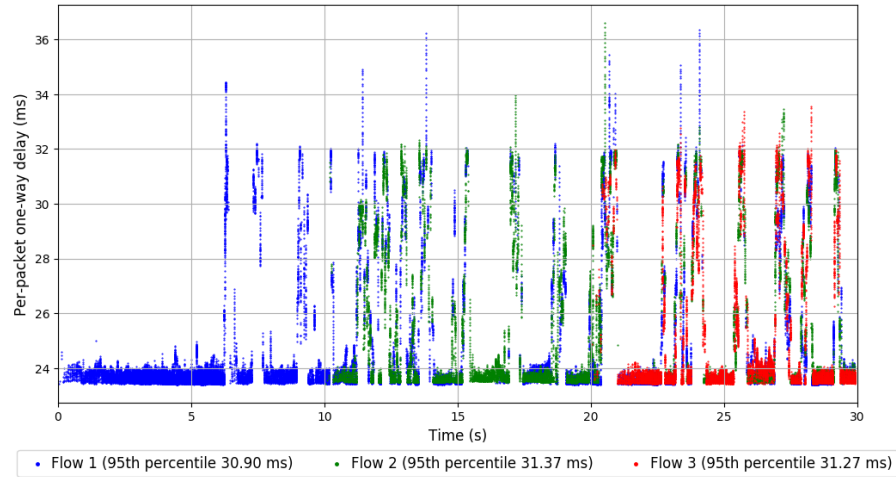
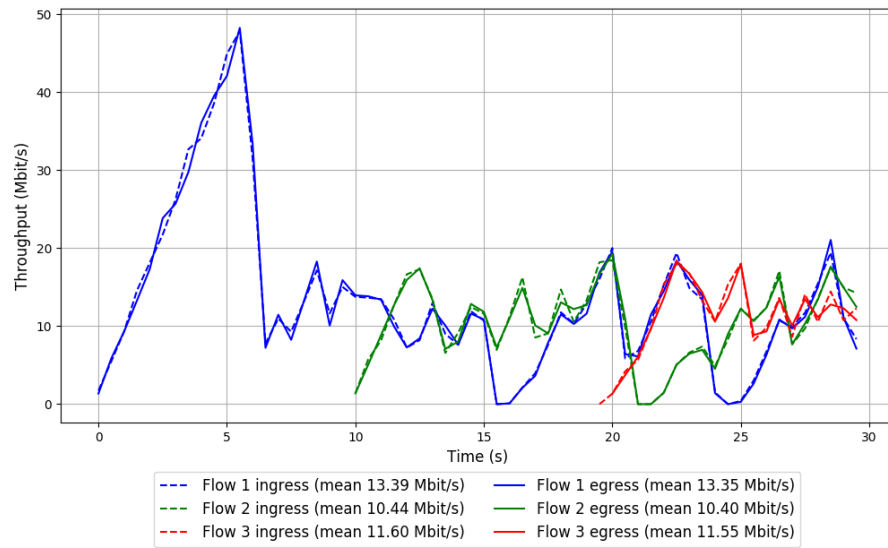


Run 5: Statistics of LEDBAT

Start at: 2017-11-30 19:28:46
End at: 2017-11-30 19:29:16
Local clock offset: 0.543 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2017-12-01 00:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 31.175 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 13.35 Mbit/s
95th percentile per-packet one-way delay: 30.902 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 10.40 Mbit/s
95th percentile per-packet one-way delay: 31.372 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 31.266 ms
Loss rate: 0.99%

Run 5: Report of LEDBAT — Data Link

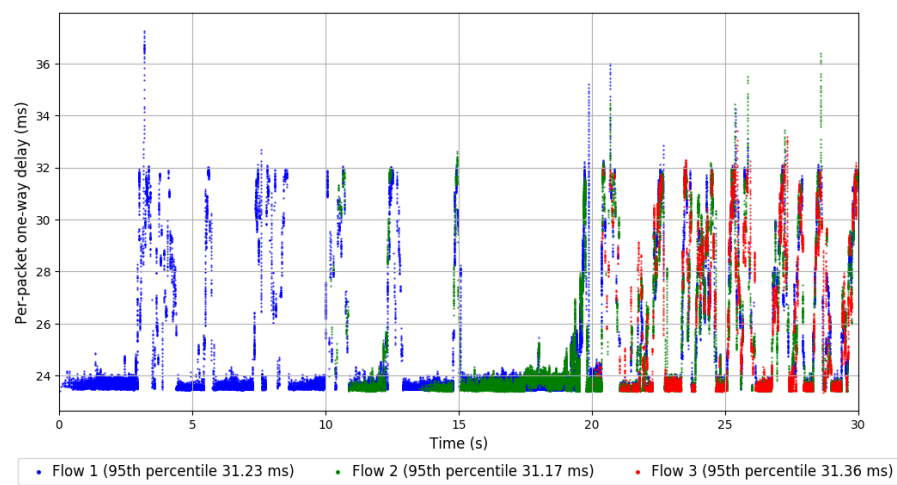
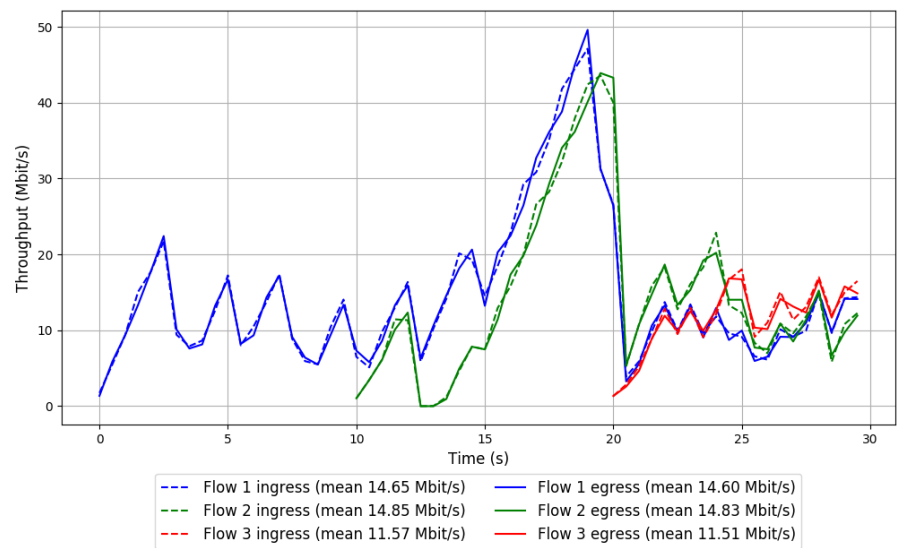


Run 6: Statistics of LEDBAT

Start at: 2017-11-30 19:49:04
End at: 2017-11-30 19:49:34
Local clock offset: 0.613 ms
Remote clock offset: -1.238 ms

Below is generated by plot.py at 2017-12-01 00:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 31.242 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 14.60 Mbit/s
95th percentile per-packet one-way delay: 31.227 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 14.83 Mbit/s
95th percentile per-packet one-way delay: 31.174 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 31.359 ms
Loss rate: 1.12%

Run 6: Report of LEDBAT — Data Link

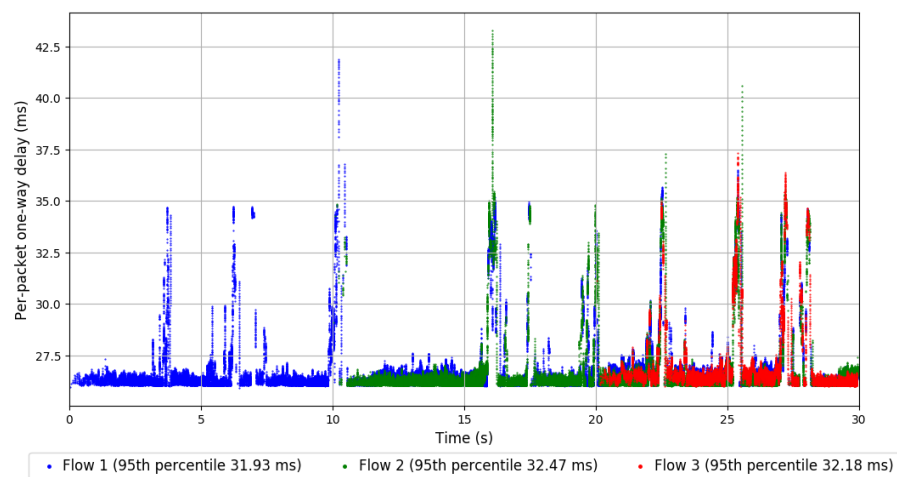
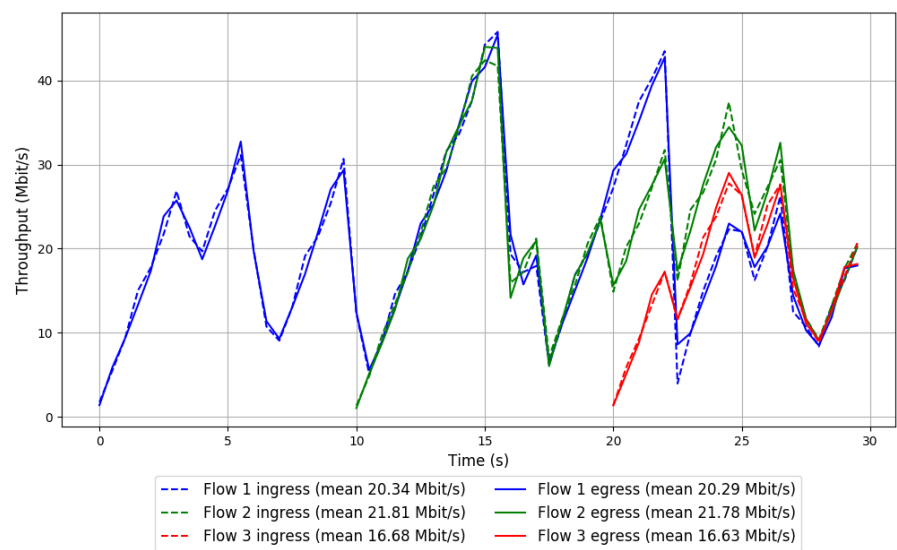


Run 7: Statistics of LEDBAT

Start at: 2017-11-30 20:09:05
End at: 2017-11-30 20:09:35
Local clock offset: 0.623 ms
Remote clock offset: -3.848 ms

Below is generated by plot.py at 2017-12-01 00:32:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.26 Mbit/s
95th percentile per-packet one-way delay: 32.128 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 31.929 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 32.474 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 16.63 Mbit/s
95th percentile per-packet one-way delay: 32.181 ms
Loss rate: 0.87%

Run 7: Report of LEDBAT — Data Link

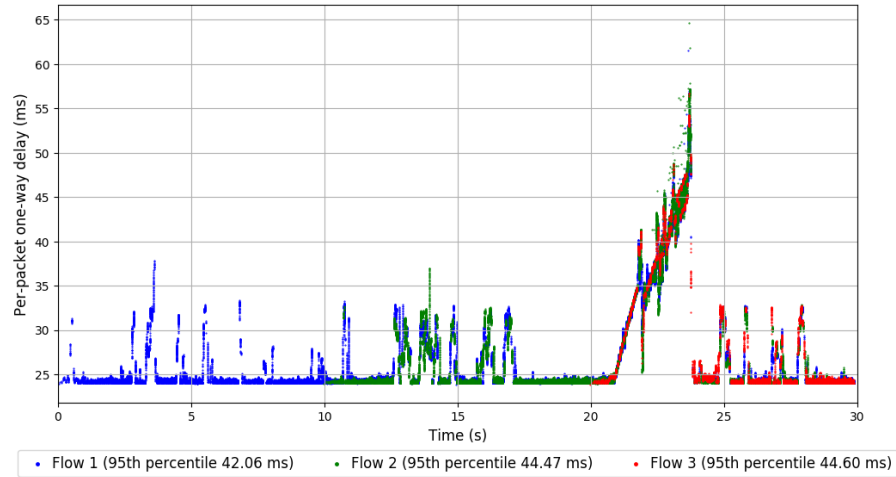
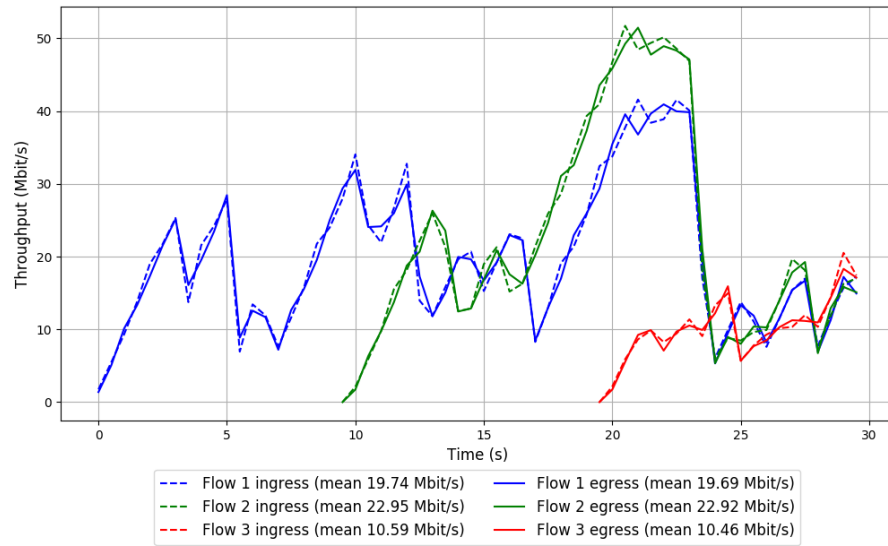


Run 8: Statistics of LEDBAT

Start at: 2017-11-30 20:28:19
End at: 2017-11-30 20:28:49
Local clock offset: 0.747 ms
Remote clock offset: -1.664 ms

Below is generated by plot.py at 2017-12-01 00:32:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 43.361 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 19.69 Mbit/s
95th percentile per-packet one-way delay: 42.063 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 44.471 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 44.600 ms
Loss rate: 1.77%

Run 8: Report of LEDBAT — Data Link

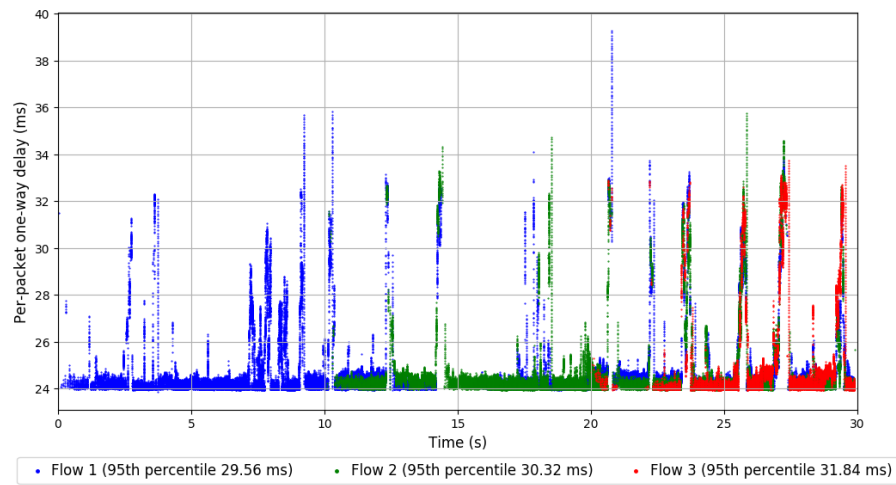
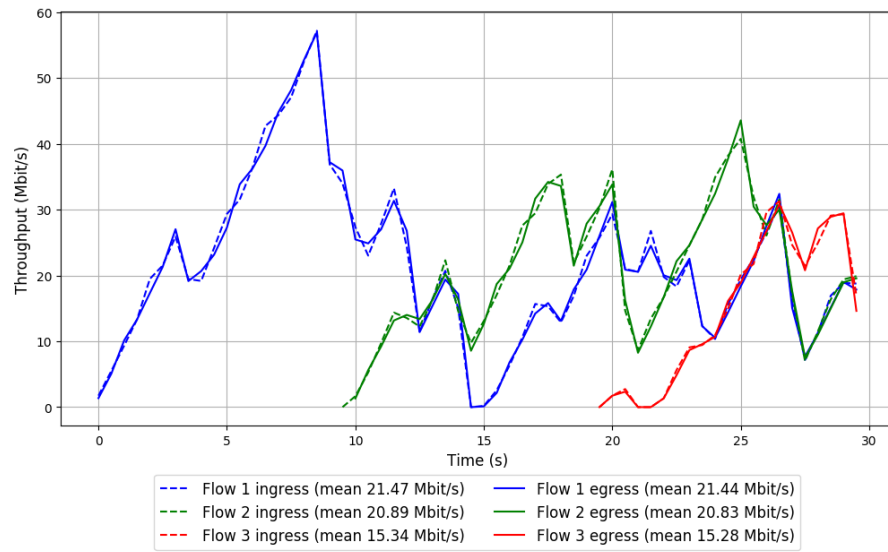


Run 9: Statistics of LEDBAT

Start at: 2017-11-30 20:47:43
End at: 2017-11-30 20:48:13
Local clock offset: 0.483 ms
Remote clock offset: -1.522 ms

Below is generated by plot.py at 2017-12-01 00:32:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 30.274 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 29.559 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 30.317 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 15.28 Mbit/s
95th percentile per-packet one-way delay: 31.838 ms
Loss rate: 0.95%

Run 9: Report of LEDBAT — Data Link

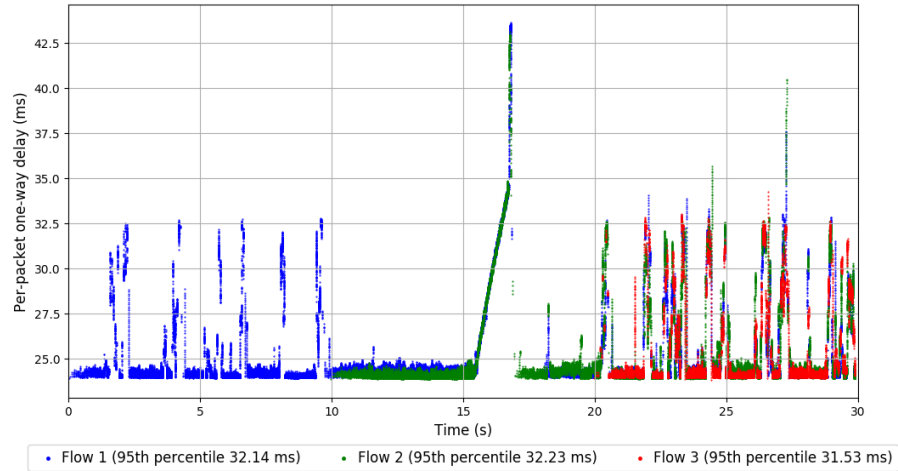
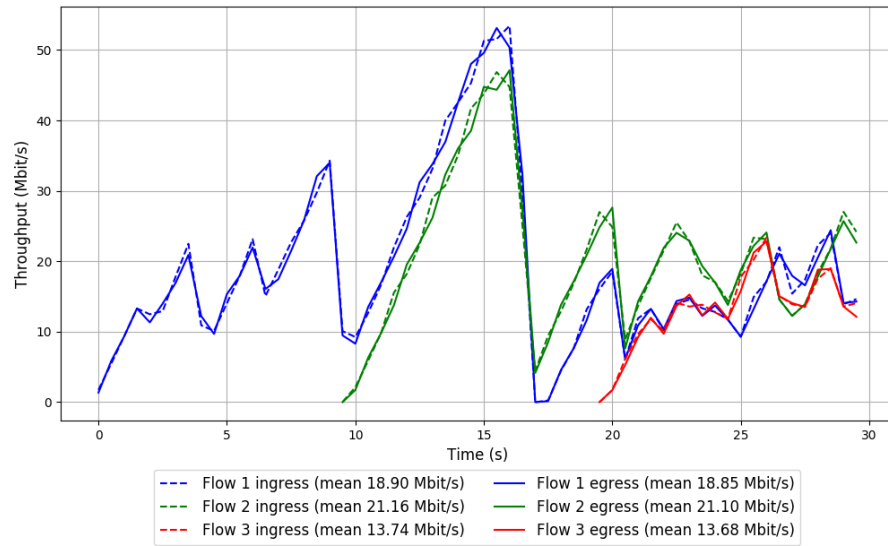


Run 10: Statistics of LEDBAT

Start at: 2017-11-30 21:07:09
End at: 2017-11-30 21:07:39
Local clock offset: 0.07 ms
Remote clock offset: -1.548 ms

Below is generated by plot.py at 2017-12-01 00:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 32.088 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 32.141 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 32.225 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 31.528 ms
Loss rate: 0.92%

Run 10: Report of LEDBAT — Data Link

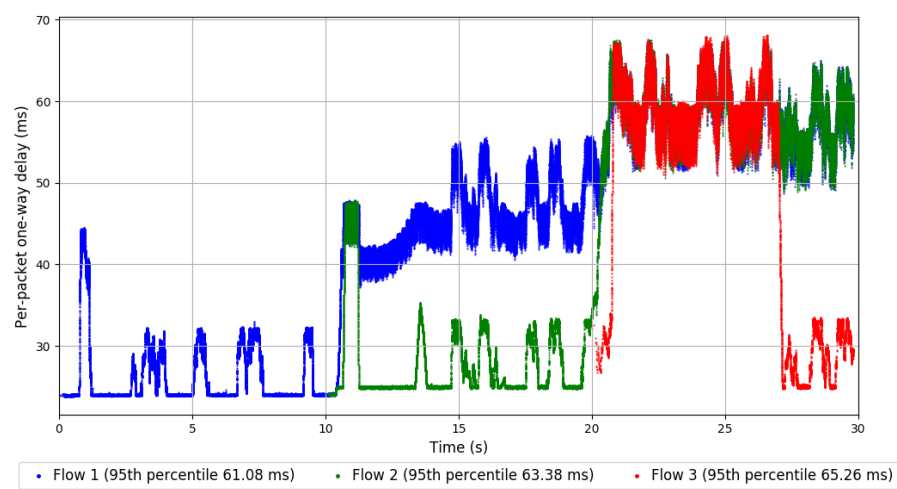
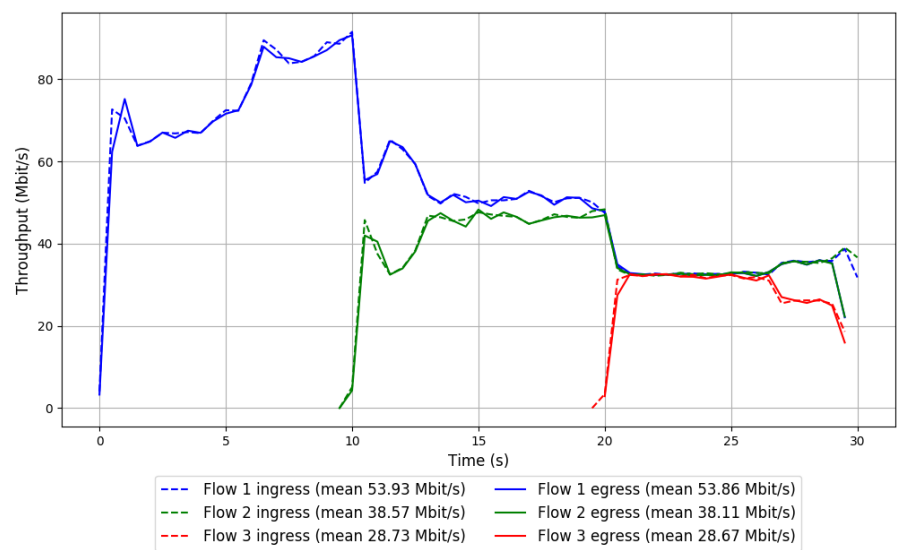


Run 1: Statistics of PCC

Start at: 2017-11-30 17:56:30
End at: 2017-11-30 17:57:00
Local clock offset: 0.46 ms
Remote clock offset: -5.983 ms

Below is generated by plot.py at 2017-12-01 00:33:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 62.839 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 61.078 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 63.380 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 28.67 Mbit/s
95th percentile per-packet one-way delay: 65.262 ms
Loss rate: 1.07%

Run 1: Report of PCC — Data Link

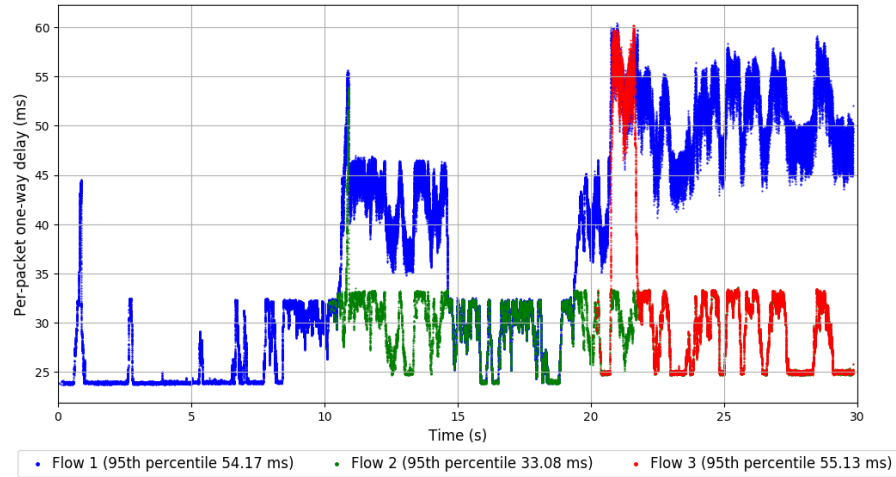
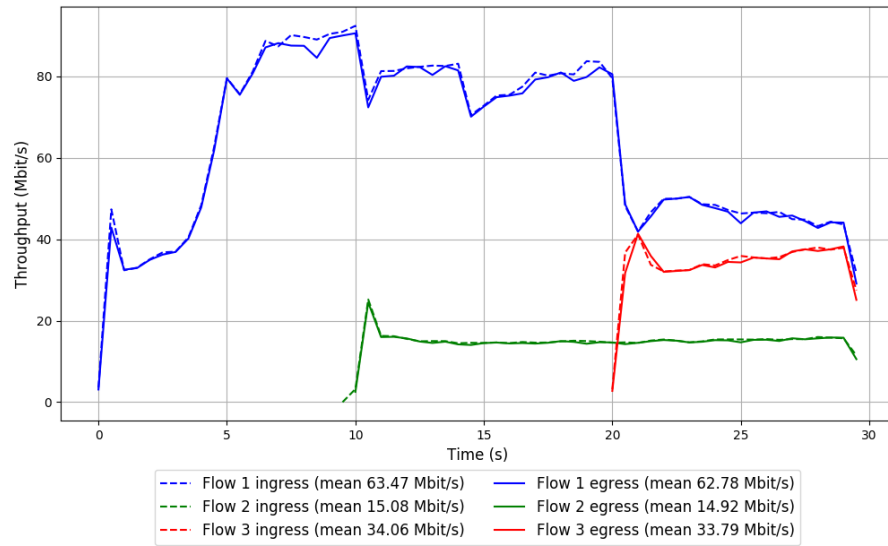


Run 2: Statistics of PCC

Start at: 2017-11-30 18:15:58
End at: 2017-11-30 18:16:28
Local clock offset: 0.562 ms
Remote clock offset: -4.947 ms

Below is generated by plot.py at 2017-12-01 00:33:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 53.930 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 54.174 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 14.92 Mbit/s
95th percentile per-packet one-way delay: 33.081 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 33.79 Mbit/s
95th percentile per-packet one-way delay: 55.135 ms
Loss rate: 1.36%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-11-30 18:35:57

End at: 2017-11-30 18:36:27

Local clock offset: 0.504 ms

Remote clock offset: -3.08 ms

Below is generated by plot.py at 2017-12-01 00:33:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 65.523 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 66.97 Mbit/s

95th percentile per-packet one-way delay: 53.271 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 18.04 Mbit/s

95th percentile per-packet one-way delay: 67.323 ms

Loss rate: 1.78%

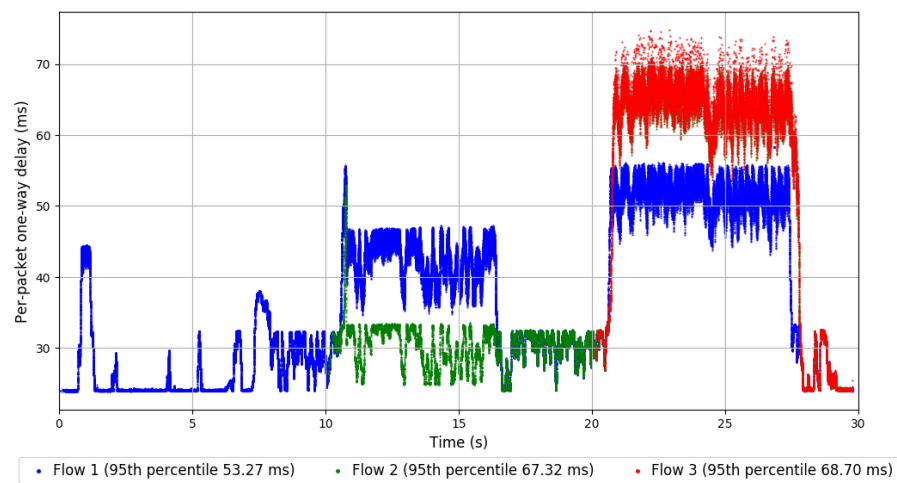
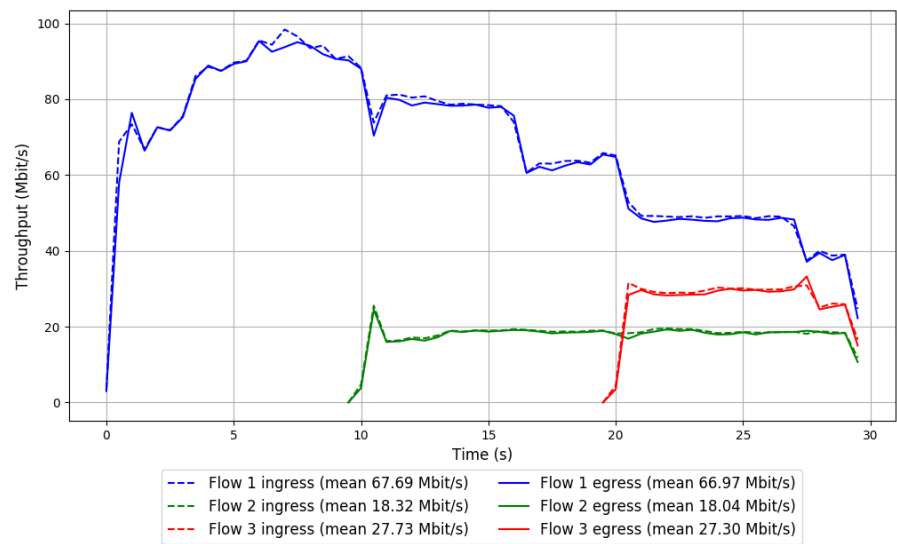
-- Flow 3:

Average throughput: 27.30 Mbit/s

95th percentile per-packet one-way delay: 68.702 ms

Loss rate: 2.16%

Run 3: Report of PCC — Data Link

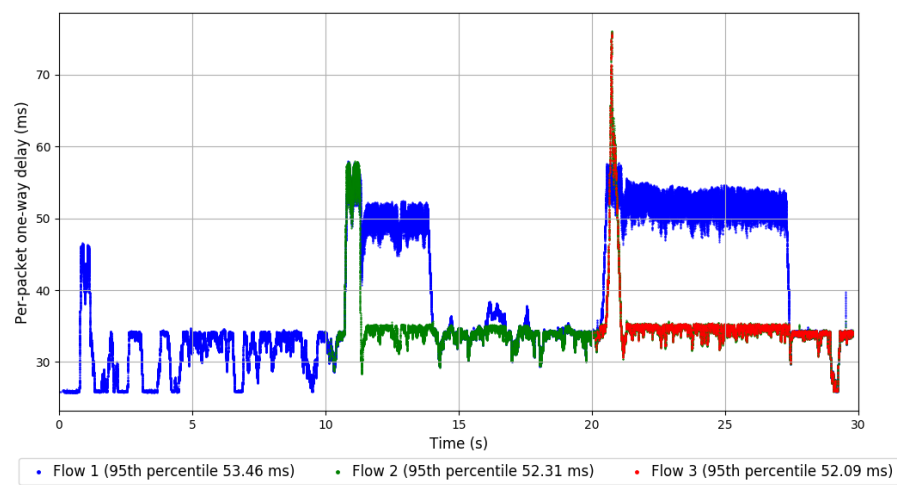
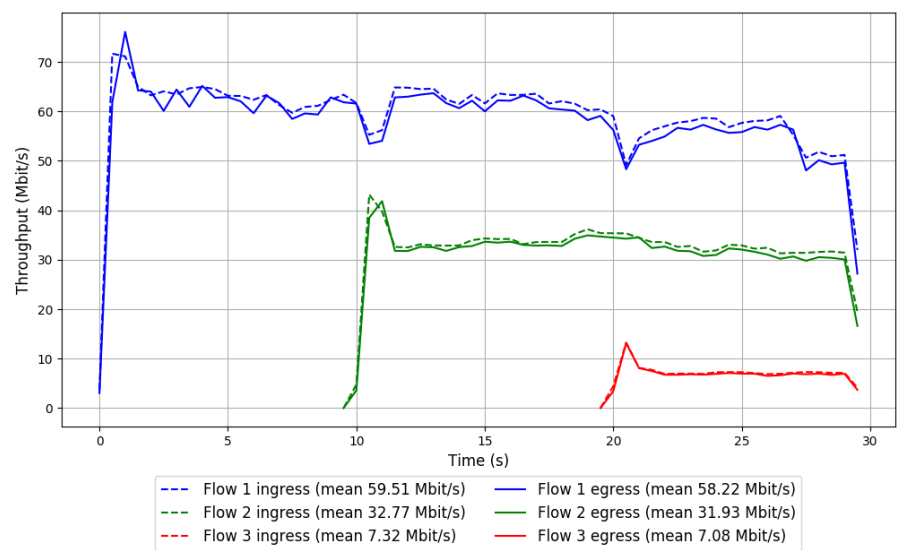


Run 4: Statistics of PCC

Start at: 2017-11-30 18:57:09
End at: 2017-11-30 18:57:39
Local clock offset: 0.455 ms
Remote clock offset: -3.917 ms

Below is generated by plot.py at 2017-12-01 00:33:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 53.419 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 53.464 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 52.314 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 52.086 ms
Loss rate: 3.88%

Run 4: Report of PCC — Data Link

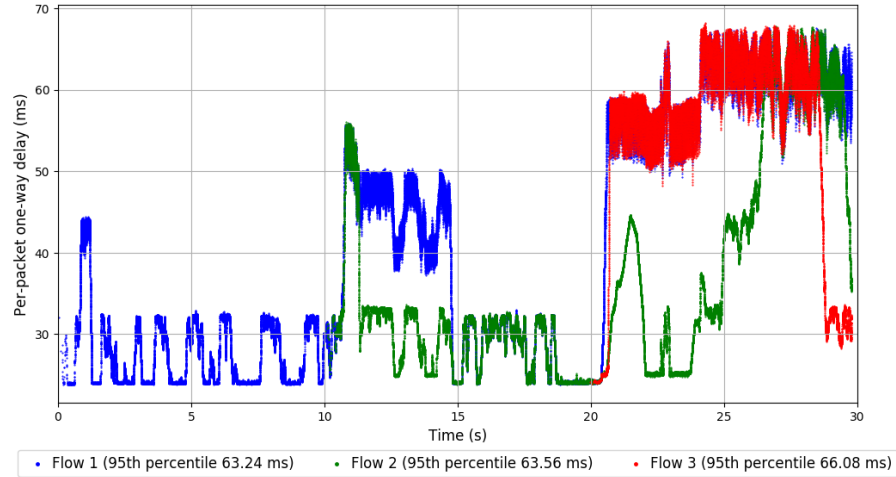
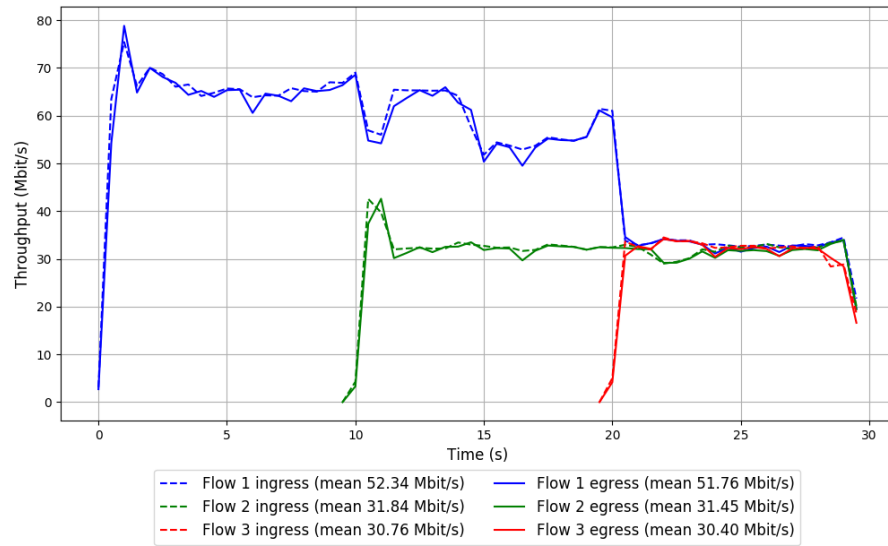


Run 5: Statistics of PCC

Start at: 2017-11-30 19:17:20
End at: 2017-11-30 19:17:50
Local clock offset: 0.637 ms
Remote clock offset: -1.665 ms

Below is generated by plot.py at 2017-12-01 00:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 64.225 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 63.241 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 63.558 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 66.078 ms
Loss rate: 1.70%

Run 5: Report of PCC — Data Link

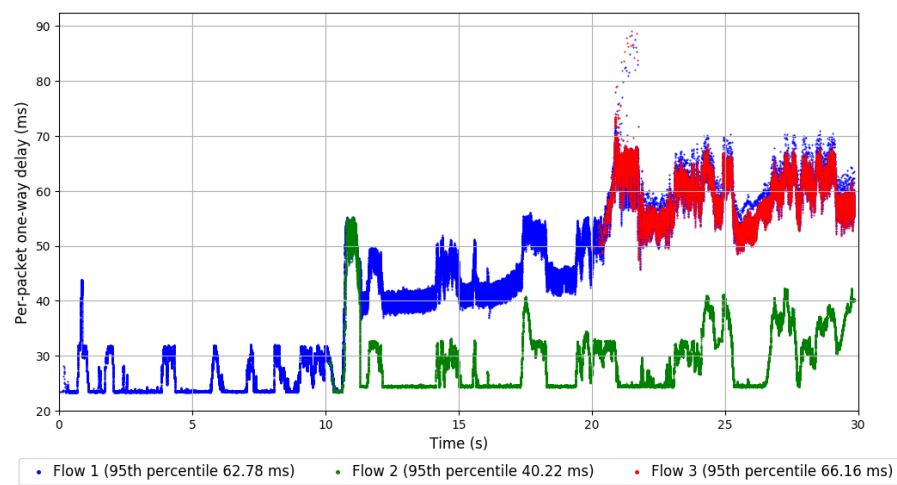
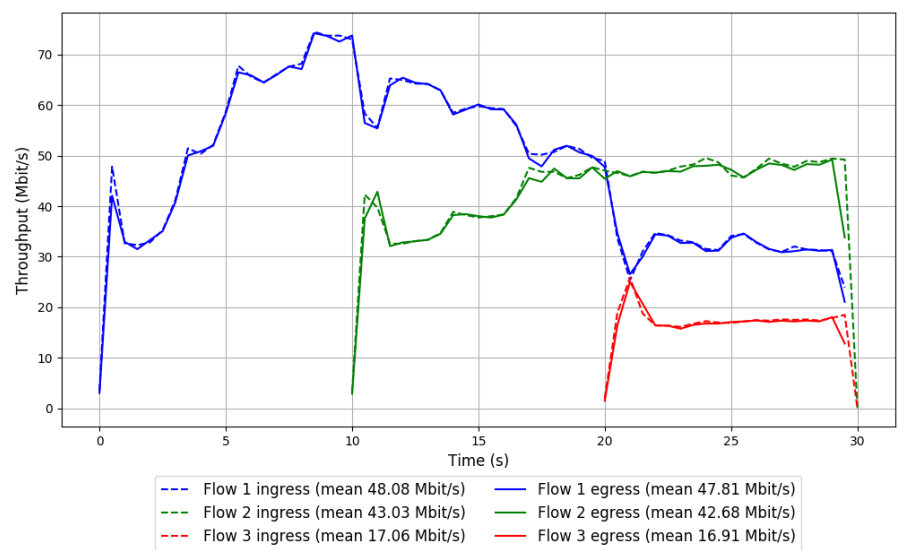


Run 6: Statistics of PCC

Start at: 2017-11-30 19:37:23
End at: 2017-11-30 19:37:53
Local clock offset: 0.699 ms
Remote clock offset: -1.163 ms

Below is generated by plot.py at 2017-12-01 00:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.70 Mbit/s
95th percentile per-packet one-way delay: 62.605 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 47.81 Mbit/s
95th percentile per-packet one-way delay: 62.785 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 40.218 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 16.91 Mbit/s
95th percentile per-packet one-way delay: 66.158 ms
Loss rate: 2.88%

Run 6: Report of PCC — Data Link

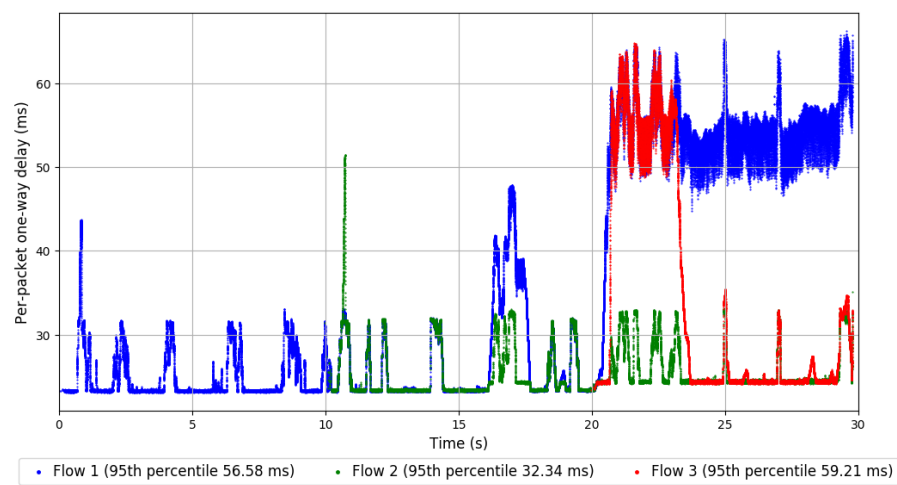
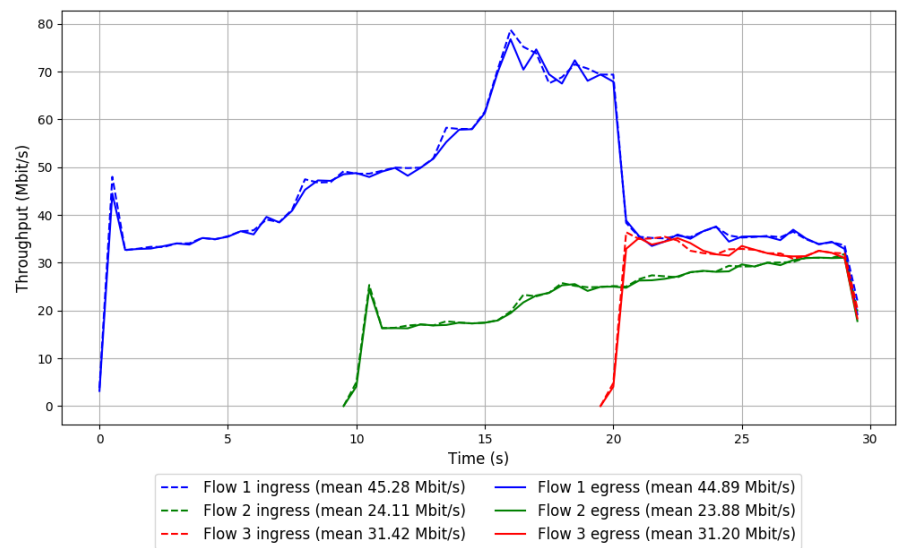


Run 7: Statistics of PCC

Start at: 2017-11-30 19:57:43
End at: 2017-11-30 19:58:13
Local clock offset: 0.618 ms
Remote clock offset: -1.217 ms

Below is generated by plot.py at 2017-12-01 00:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.05 Mbit/s
95th percentile per-packet one-way delay: 56.401 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 44.89 Mbit/s
95th percentile per-packet one-way delay: 56.584 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 32.336 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 59.210 ms
Loss rate: 1.21%

Run 7: Report of PCC — Data Link

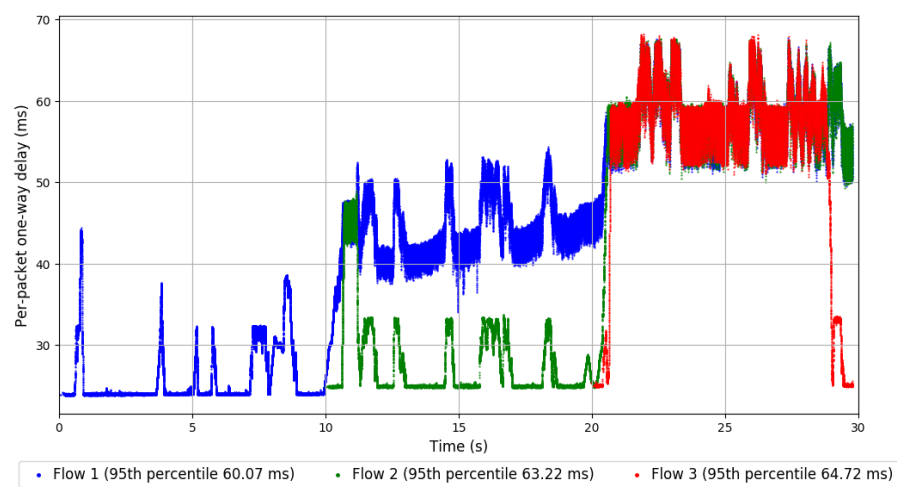
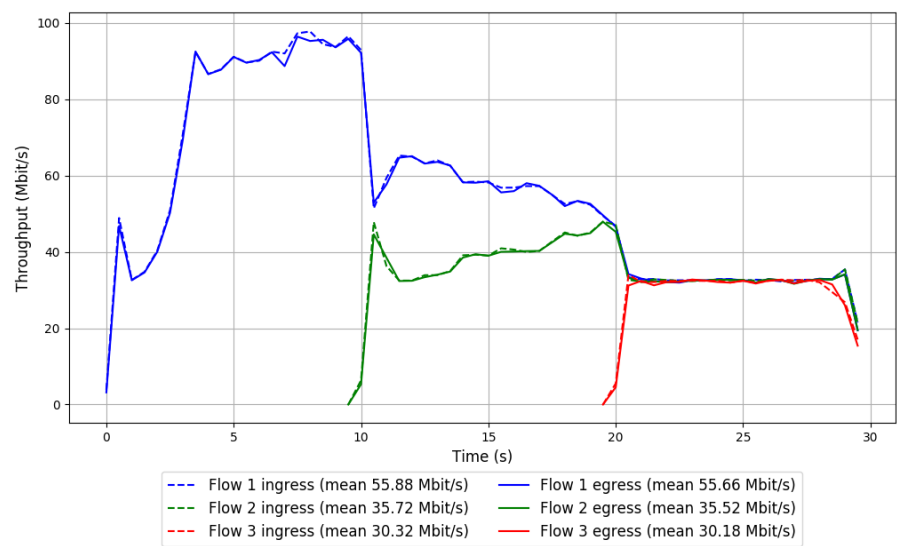


Run 8: Statistics of PCC

Start at: 2017-11-30 20:17:27
End at: 2017-11-30 20:17:57
Local clock offset: 0.721 ms
Remote clock offset: -1.811 ms

Below is generated by plot.py at 2017-12-01 00:33:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 62.320 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 60.070 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 63.215 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 64.721 ms
Loss rate: 0.99%

Run 8: Report of PCC — Data Link

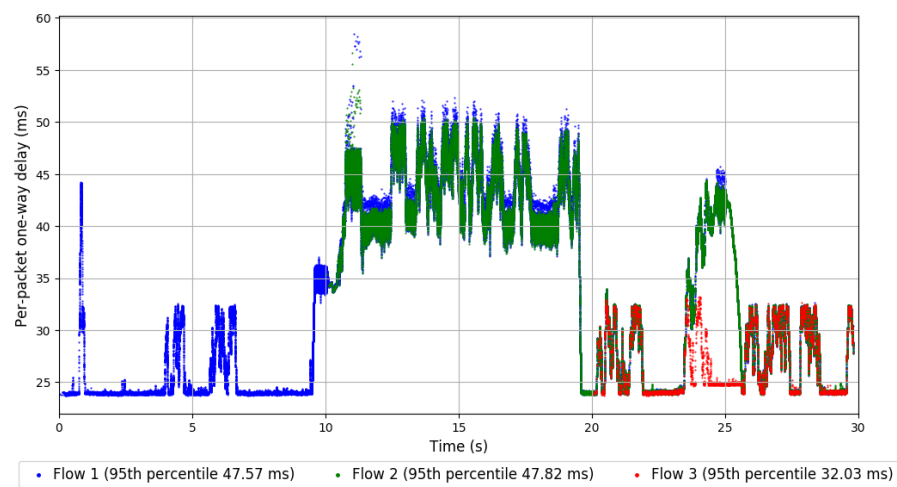
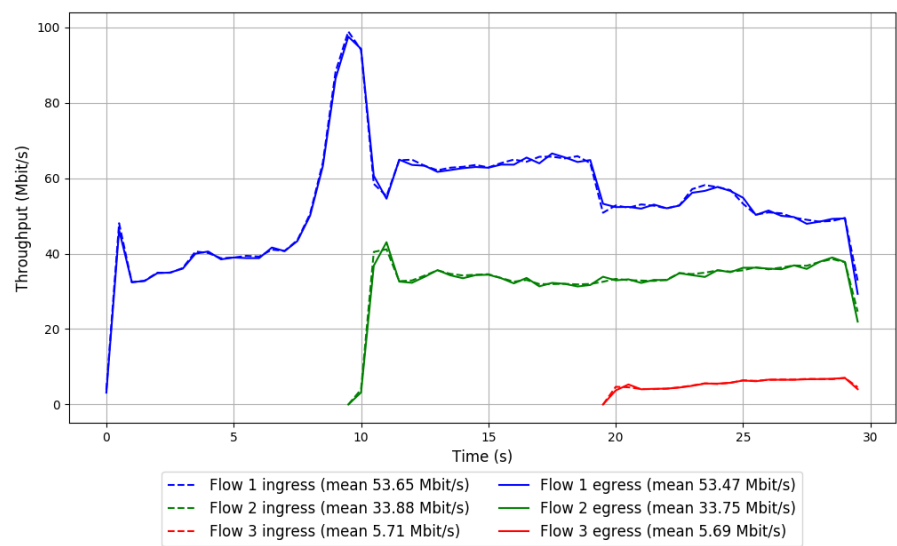


Run 9: Statistics of PCC

Start at: 2017-11-30 20:36:43
End at: 2017-11-30 20:37:13
Local clock offset: 0.661 ms
Remote clock offset: -1.575 ms

Below is generated by plot.py at 2017-12-01 00:34:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 47.612 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 47.568 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 33.75 Mbit/s
95th percentile per-packet one-way delay: 47.822 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 5.69 Mbit/s
95th percentile per-packet one-way delay: 32.033 ms
Loss rate: 0.96%

Run 9: Report of PCC — Data Link

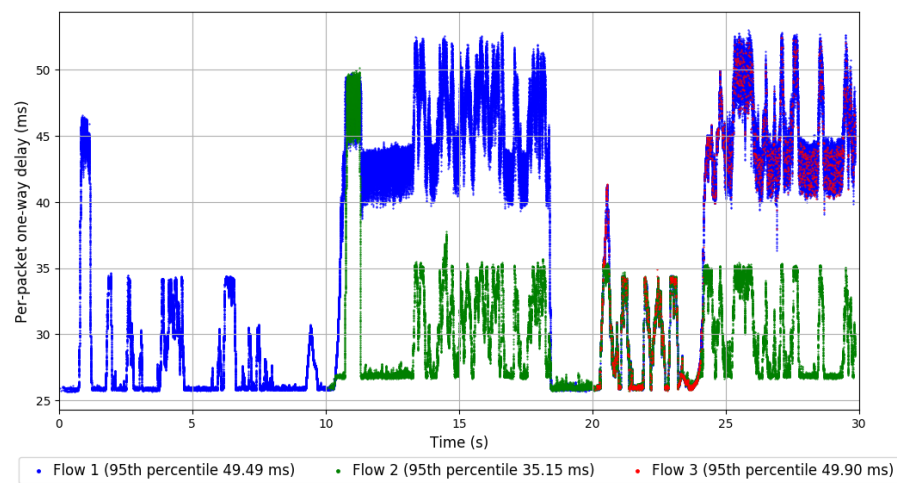
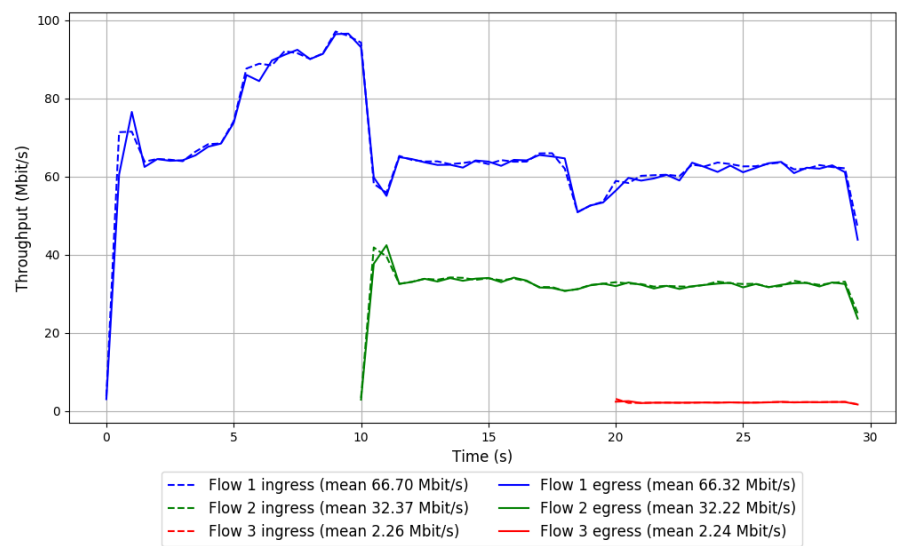


Run 10: Statistics of PCC

Start at: 2017-11-30 20:56:04
End at: 2017-11-30 20:56:34
Local clock offset: 0.216 ms
Remote clock offset: -3.648 ms

Below is generated by plot.py at 2017-12-01 00:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.46 Mbit/s
95th percentile per-packet one-way delay: 49.017 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 49.495 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 35.152 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 49.896 ms
Loss rate: 1.41%

Run 10: Report of PCC — Data Link

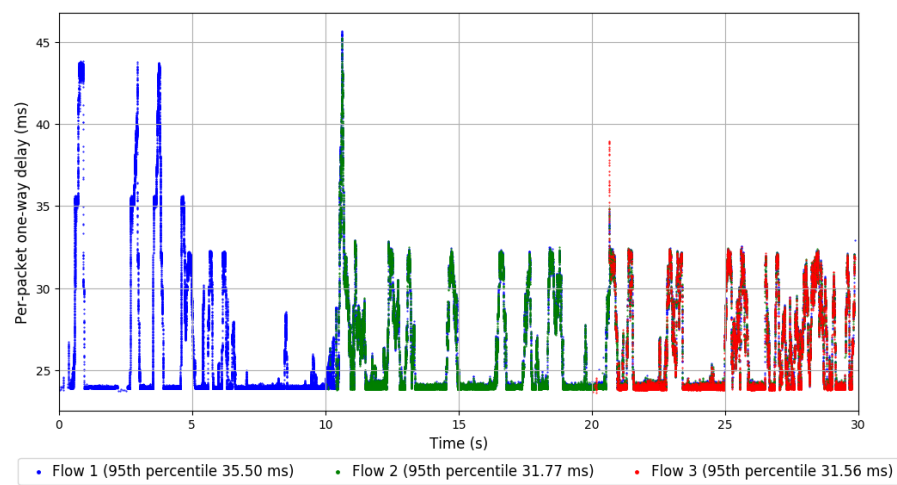
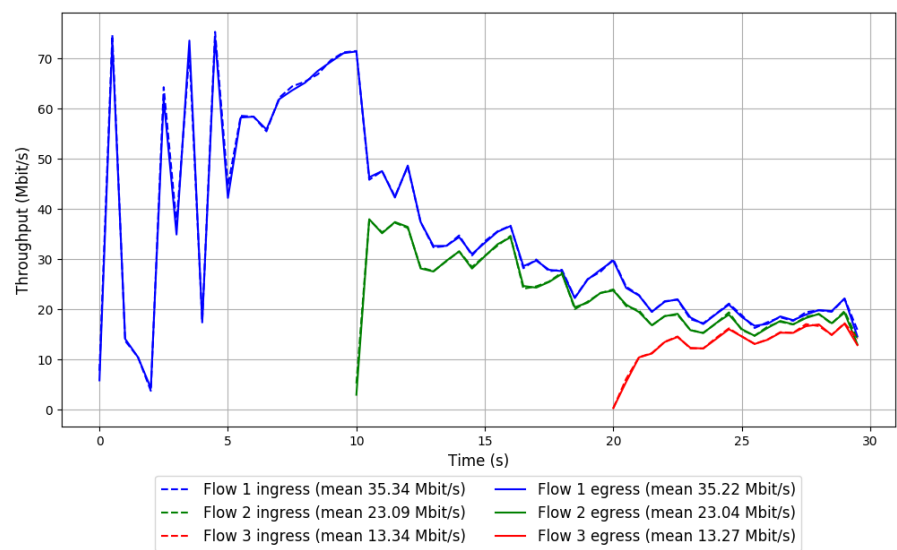


Run 1: Statistics of QUIC Cubic

Start at: 2017-11-30 17:57:54
End at: 2017-11-30 17:58:24
Local clock offset: 0.426 ms
Remote clock offset: -5.868 ms

Below is generated by plot.py at 2017-12-01 00:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.89 Mbit/s
95th percentile per-packet one-way delay: 35.217 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 35.498 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 31.774 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 31.556 ms
Loss rate: 1.07%

Run 1: Report of QUIC Cubic — Data Link

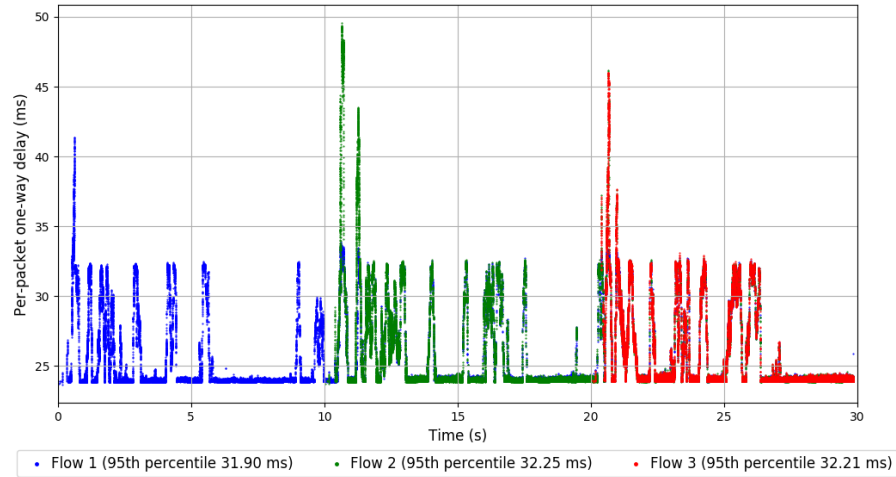
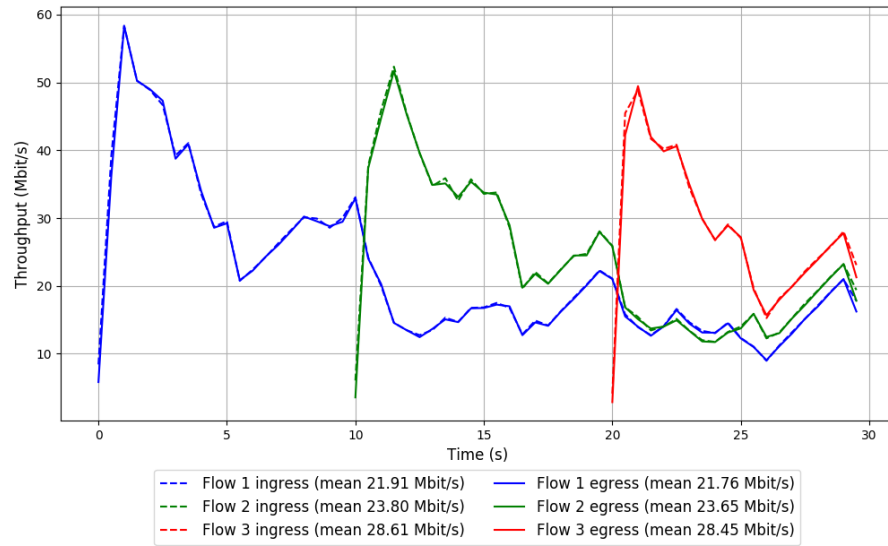


Run 2: Statistics of QUIC Cubic

Start at: 2017-11-30 18:17:20
End at: 2017-11-30 18:17:50
Local clock offset: 0.474 ms
Remote clock offset: -4.865 ms

Below is generated by plot.py at 2017-12-01 00:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 32.080 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 21.76 Mbit/s
95th percentile per-packet one-way delay: 31.904 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 32.247 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 32.209 ms
Loss rate: 1.07%

Run 2: Report of QUIC Cubic — Data Link

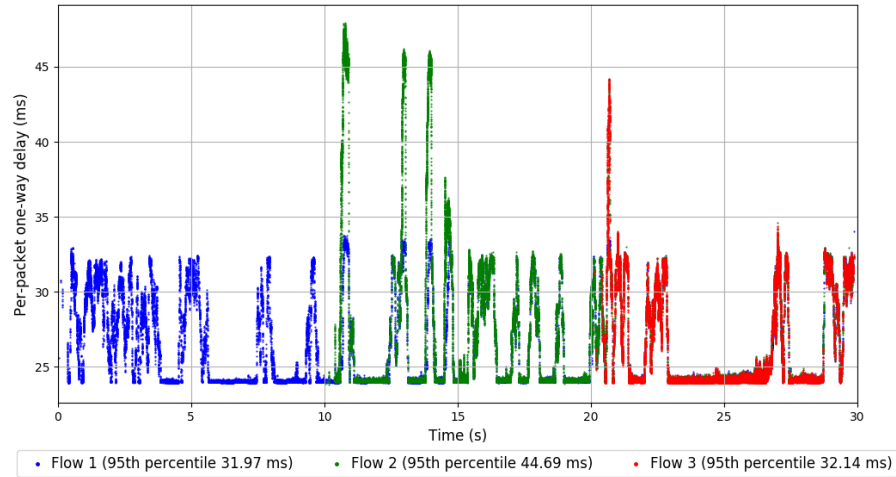
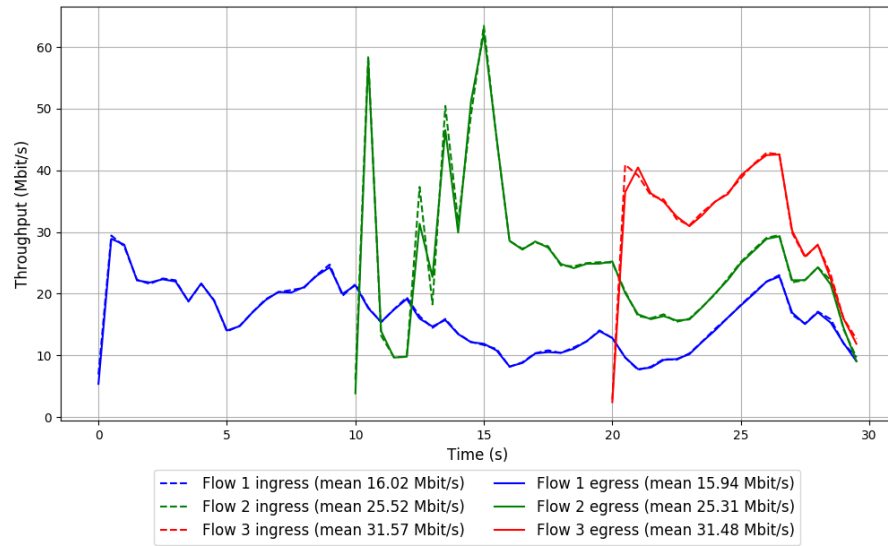


Run 3: Statistics of QUIC Cubic

Start at: 2017-11-30 18:37:21
End at: 2017-11-30 18:37:51
Local clock offset: 0.467 ms
Remote clock offset: -2.863 ms

Below is generated by plot.py at 2017-12-01 00:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.10 Mbit/s
95th percentile per-packet one-way delay: 34.383 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 31.968 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 25.31 Mbit/s
95th percentile per-packet one-way delay: 44.694 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 0.82%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-11-30 18:58:39

End at: 2017-11-30 18:59:09

Local clock offset: 0.49 ms

Remote clock offset: -1.31 ms

Below is generated by plot.py at 2017-12-01 00:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.44 Mbit/s

95th percentile per-packet one-way delay: 31.654 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 13.76 Mbit/s

95th percentile per-packet one-way delay: 31.735 ms

Loss rate: 1.74%

-- Flow 2:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 31.583 ms

Loss rate: 1.20%

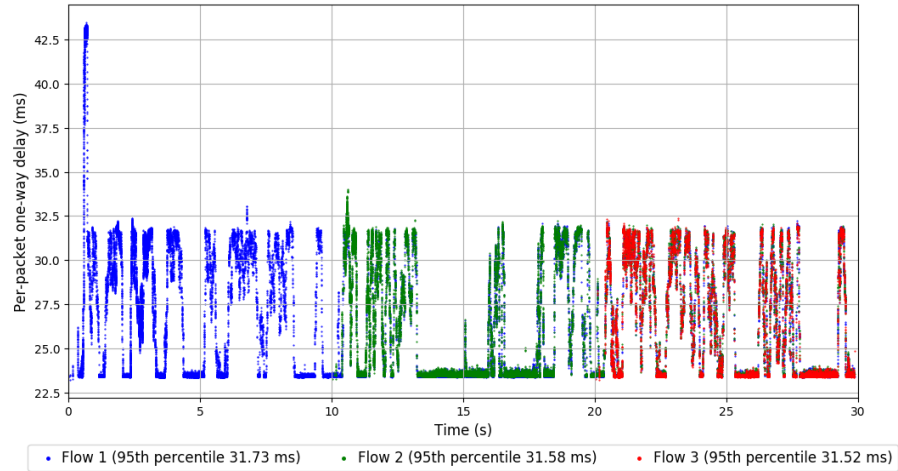
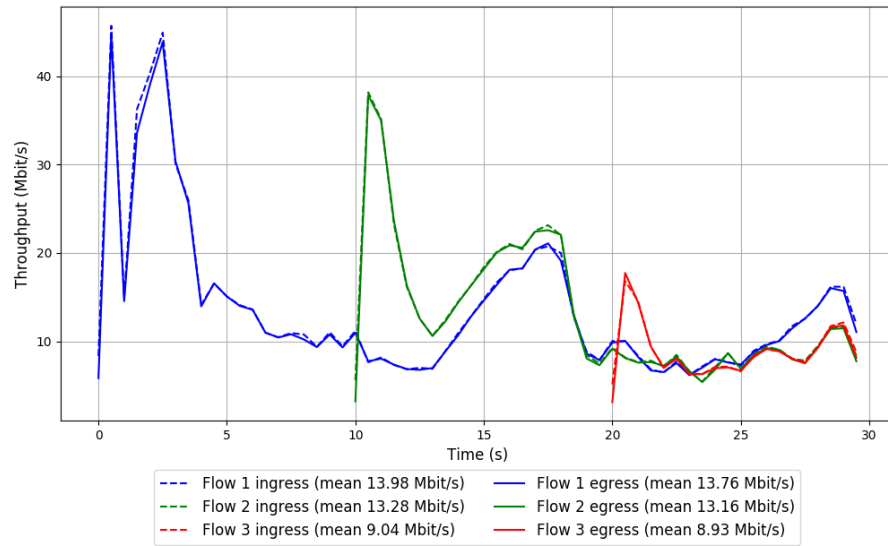
-- Flow 3:

Average throughput: 8.93 Mbit/s

95th percentile per-packet one-way delay: 31.522 ms

Loss rate: 1.75%

Run 4: Report of QUIC Cubic — Data Link

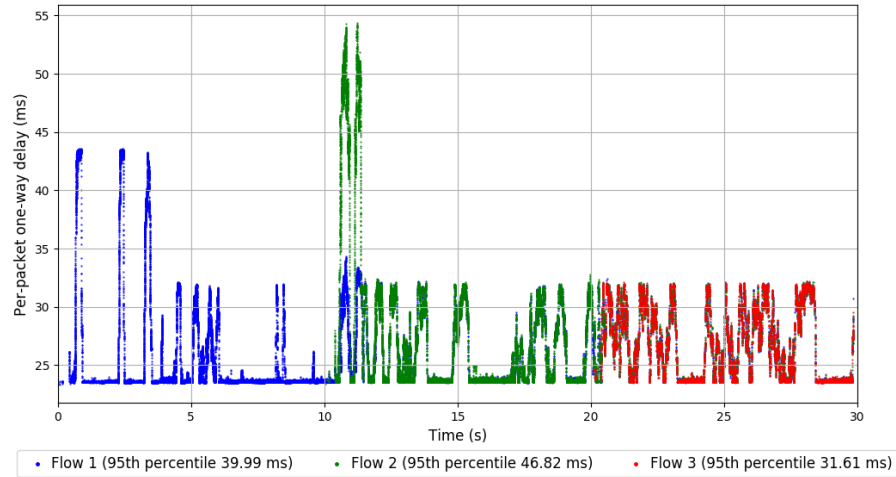
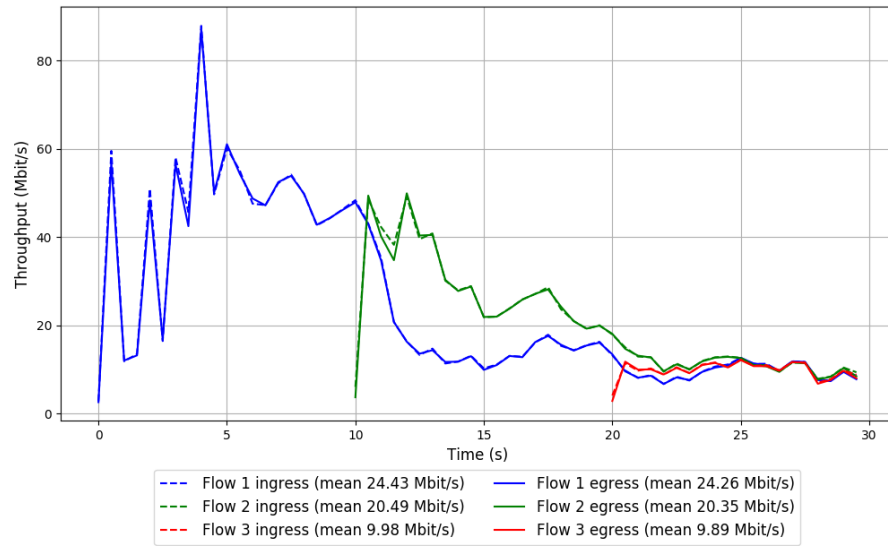


Run 5: Statistics of QUIC Cubic

Start at: 2017-11-30 19:18:43
End at: 2017-11-30 19:19:13
Local clock offset: 0.615 ms
Remote clock offset: -1.184 ms

Below is generated by plot.py at 2017-12-01 00:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 41.635 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 39.987 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 46.816 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 9.89 Mbit/s
95th percentile per-packet one-way delay: 31.609 ms
Loss rate: 1.46%

Run 5: Report of QUIC Cubic — Data Link

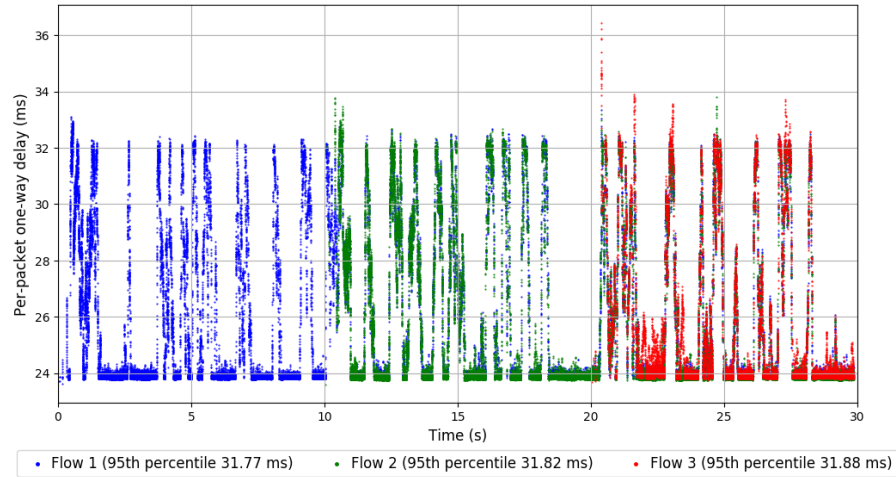
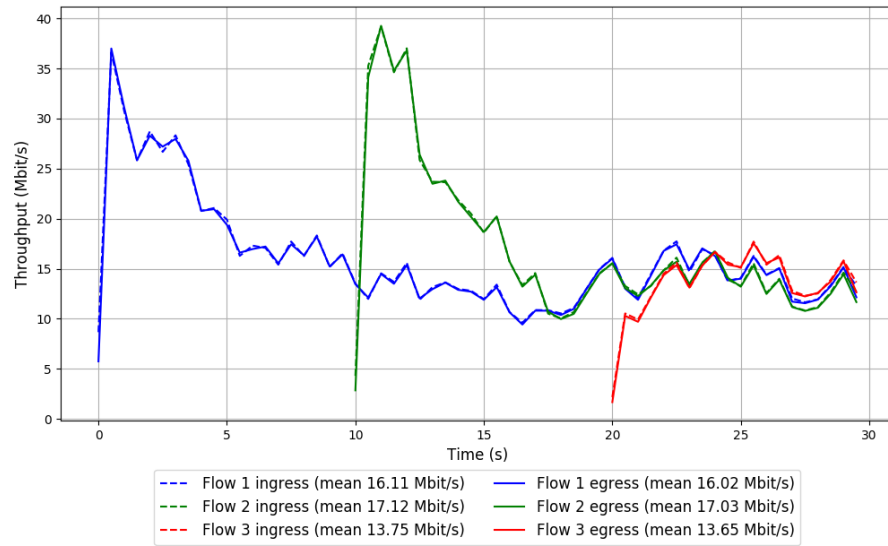


Run 6: Statistics of QUIC Cubic

Start at: 2017-11-30 19:38:52
End at: 2017-11-30 19:39:23
Local clock offset: 0.568 ms
Remote clock offset: -1.532 ms

Below is generated by plot.py at 2017-12-01 00:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 31.805 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 16.02 Mbit/s
95th percentile per-packet one-way delay: 31.769 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 31.821 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 31.875 ms
Loss rate: 1.20%

Run 6: Report of QUIC Cubic — Data Link

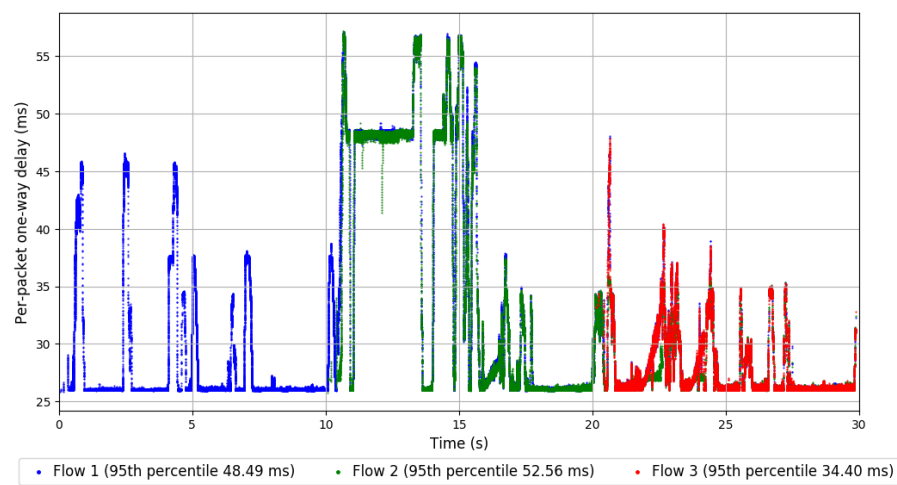
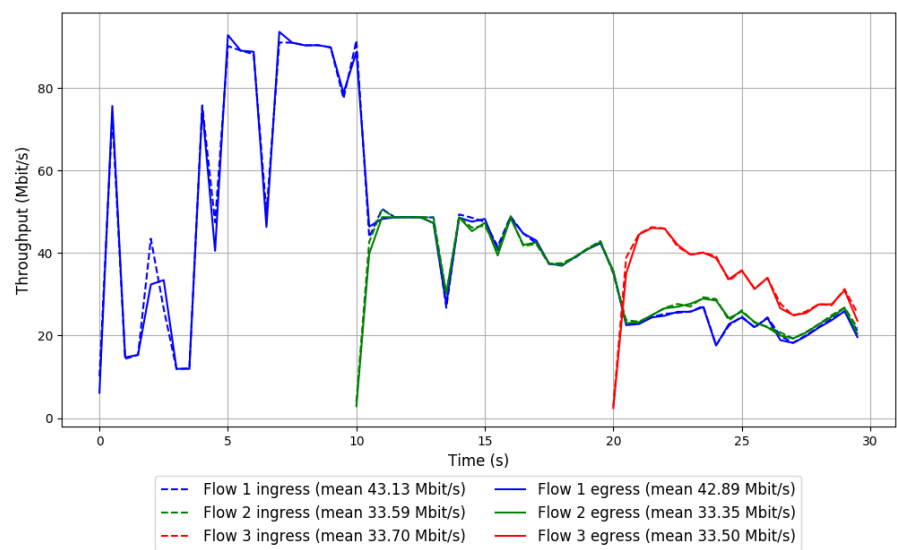


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-30 19:59:09
End at: 2017-11-30 19:59:39
Local clock offset: 0.702 ms
Remote clock offset: -3.726 ms

Below is generated by plot.py at 2017-12-01 00:35:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.03 Mbit/s
95th percentile per-packet one-way delay: 48.511 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 42.89 Mbit/s
95th percentile per-packet one-way delay: 48.486 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 52.560 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 34.399 ms
Loss rate: 1.16%

Run 7: Report of QUIC Cubic — Data Link

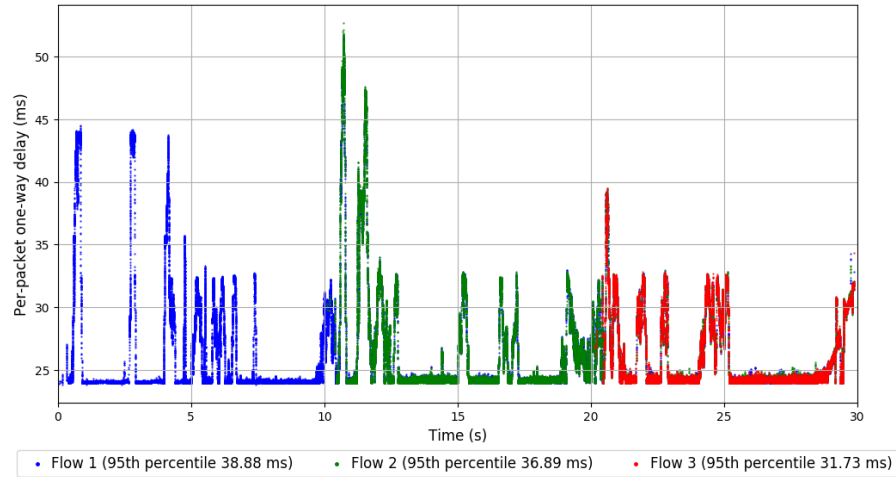
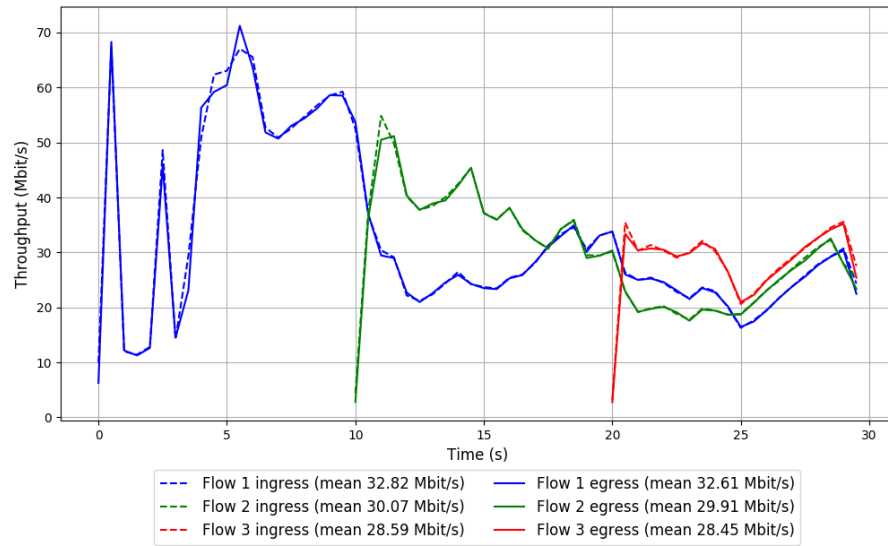


Run 8: Statistics of QUIC Cubic

Start at: 2017-11-30 20:18:48
End at: 2017-11-30 20:19:18
Local clock offset: 0.73 ms
Remote clock offset: -1.709 ms

Below is generated by plot.py at 2017-12-01 00:35:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 36.140 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 38.880 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 36.892 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 31.733 ms
Loss rate: 1.06%

Run 8: Report of QUIC Cubic — Data Link

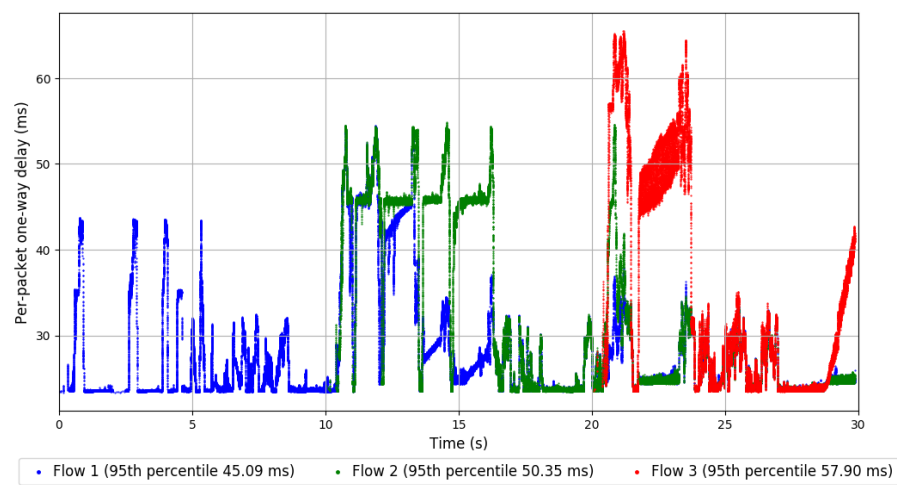
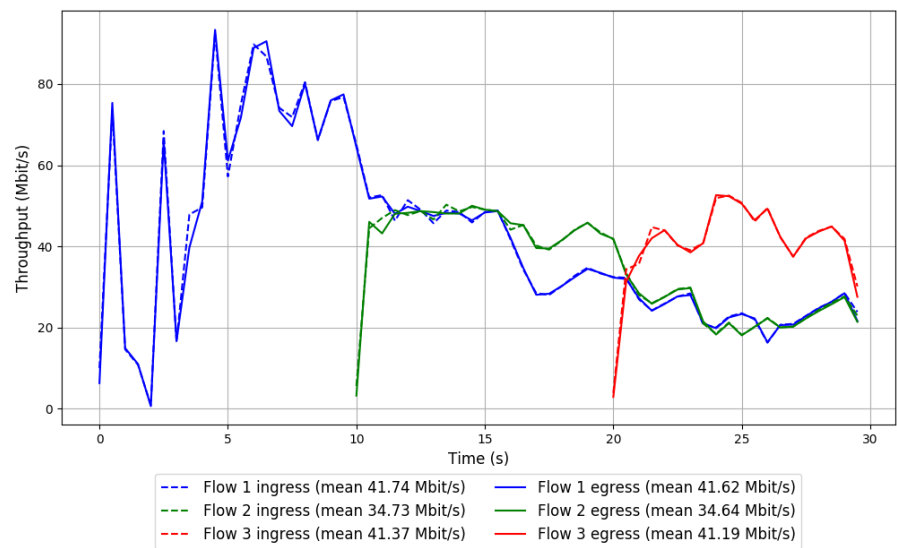


Run 9: Statistics of QUIC Cubic

Start at: 2017-11-30 20:38:05
End at: 2017-11-30 20:38:35
Local clock offset: 0.535 ms
Remote clock offset: -1.214 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 50.211 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 41.62 Mbit/s
95th percentile per-packet one-way delay: 45.091 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 50.351 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 57.901 ms
Loss rate: 0.96%

Run 9: Report of QUIC Cubic — Data Link

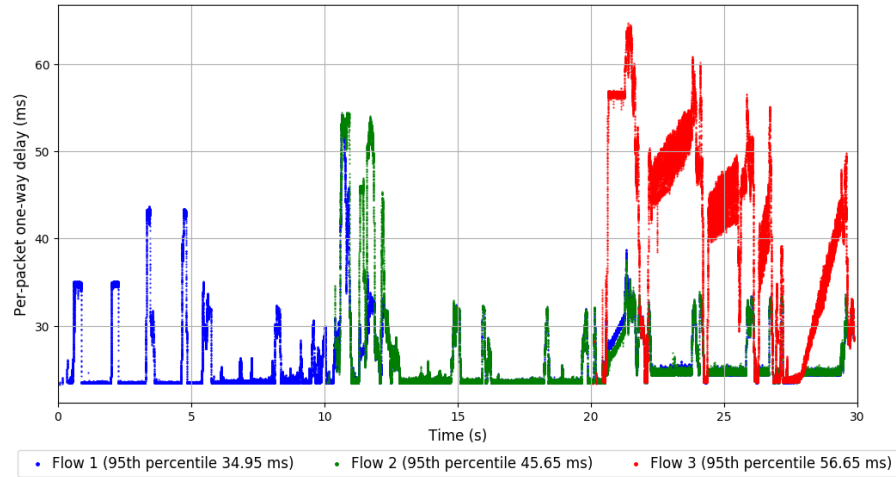
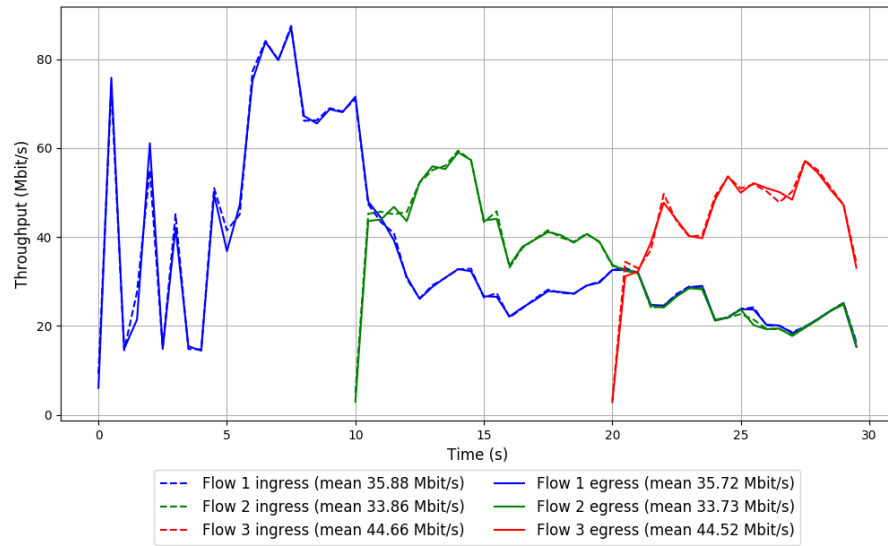


Run 10: Statistics of QUIC Cubic

Start at: 2017-11-30 20:57:24
End at: 2017-11-30 20:57:54
Local clock offset: 0.182 ms
Remote clock offset: -1.221 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.74 Mbit/s
95th percentile per-packet one-way delay: 49.854 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 34.955 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 45.654 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 56.645 ms
Loss rate: 0.84%

Run 10: Report of QUIC Cubic — Data Link

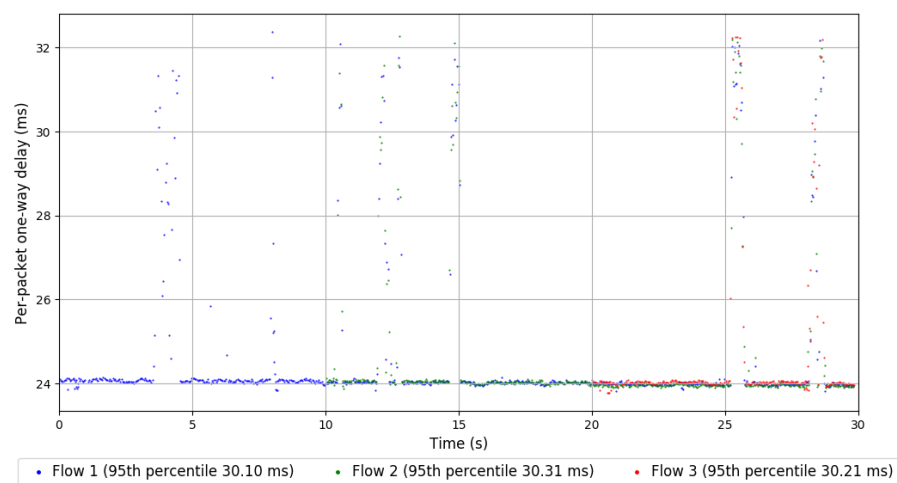
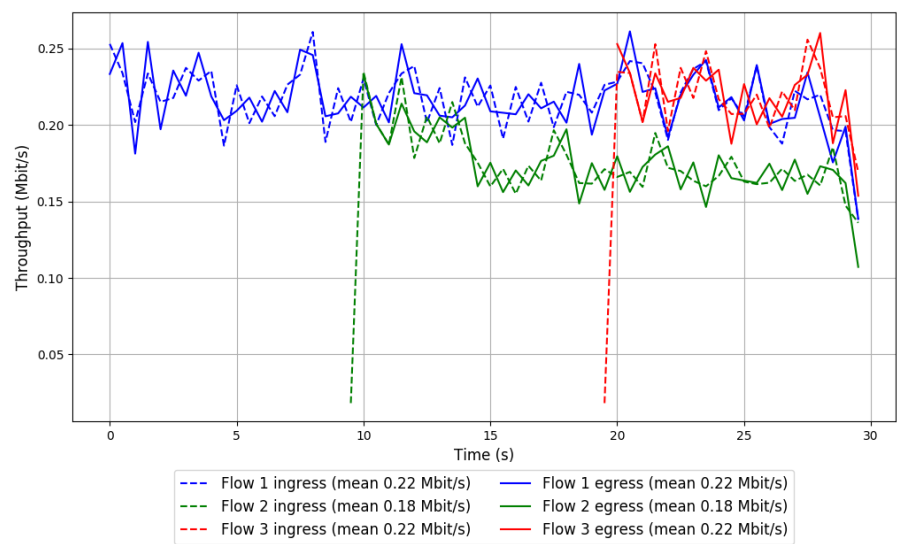


```
Run 1: Statistics of SCReAM

Start at: 2017-11-30 17:59:15
End at: 2017-11-30 17:59:45
Local clock offset: 0.424 ms
Remote clock offset: -5.993 ms

# Below is generated by plot.py at 2017-12-01 00:35:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 30.230 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.101 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 30.314 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.209 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

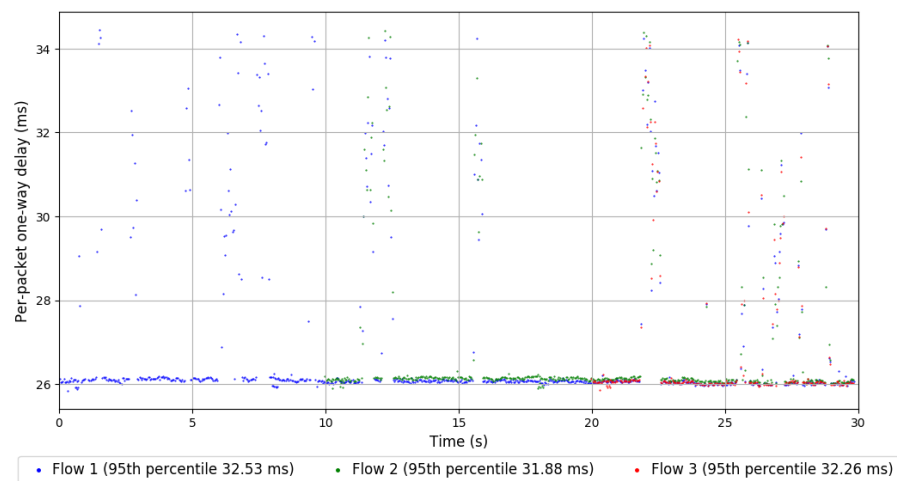
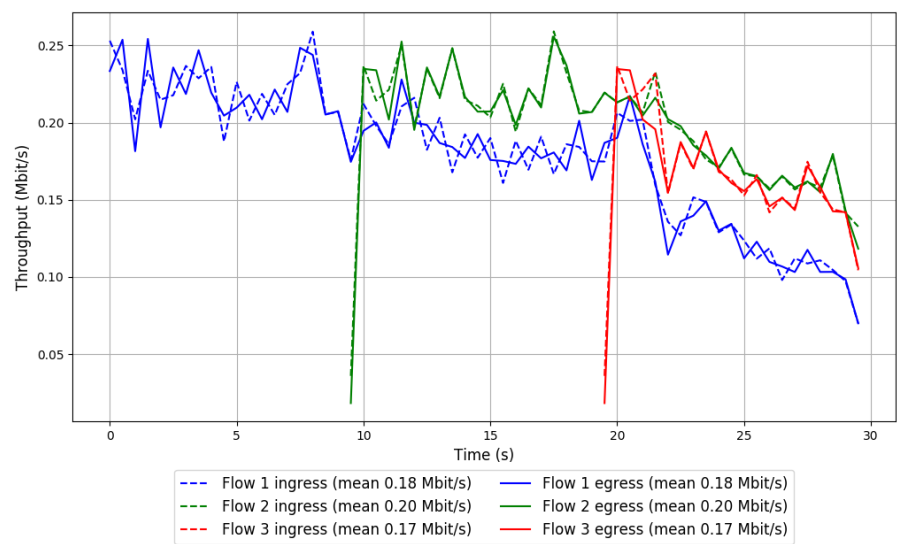


Run 2: Statistics of SCReAM

Start at: 2017-11-30 18:18:41
End at: 2017-11-30 18:19:11
Local clock offset: 0.454 ms
Remote clock offset: -6.991 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 32.261 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 32.527 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.882 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 32.261 ms
Loss rate: 1.46%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-11-30 18:38:46

End at: 2017-11-30 18:39:16

Local clock offset: 0.492 ms

Remote clock offset: -4.84 ms

Below is generated by plot.py at 2017-12-01 00:35:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 33.853 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 33.688 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 33.853 ms

Loss rate: 0.74%

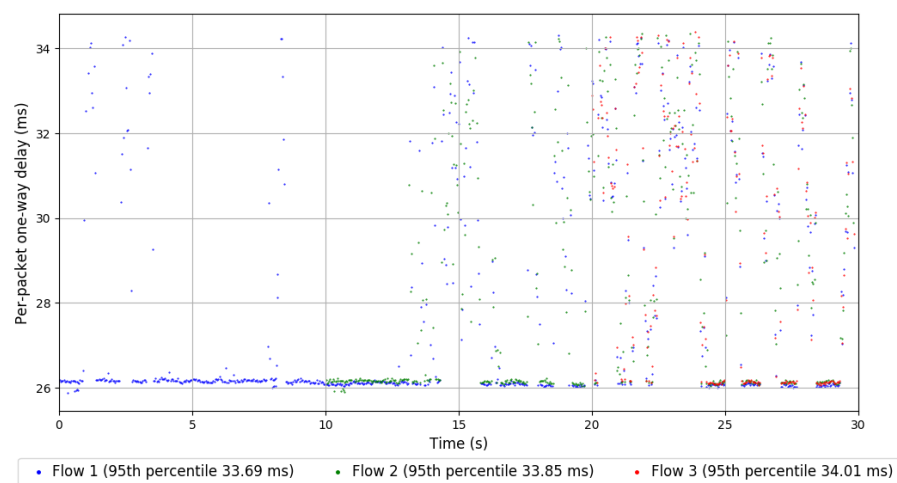
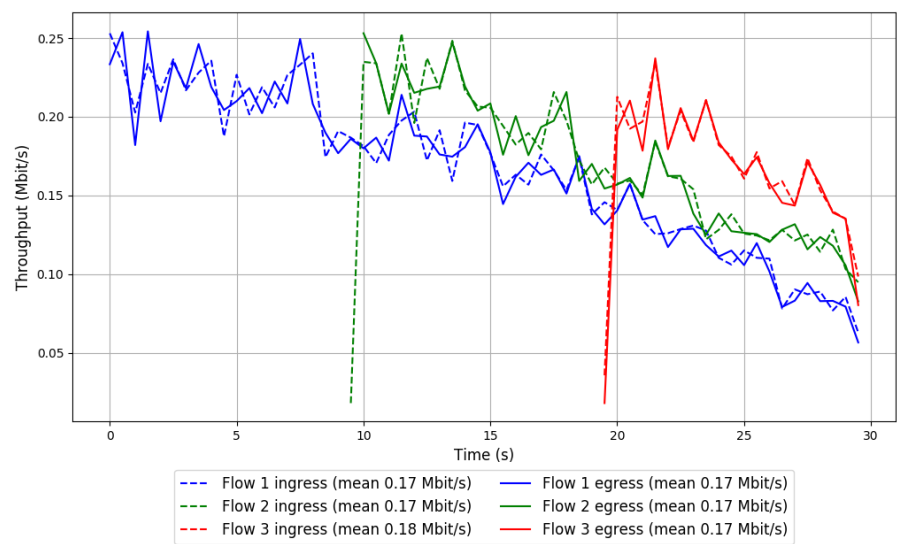
-- Flow 3:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 34.013 ms

Loss rate: 1.86%

Run 3: Report of SReAM — Data Link

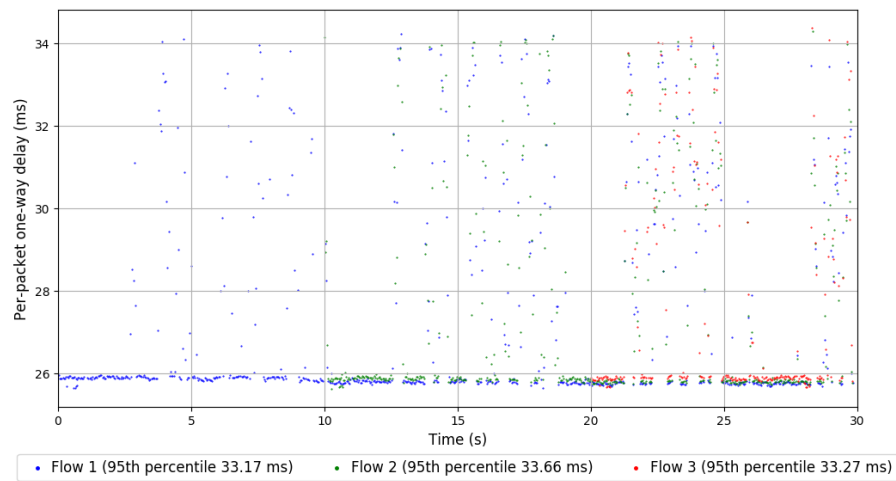
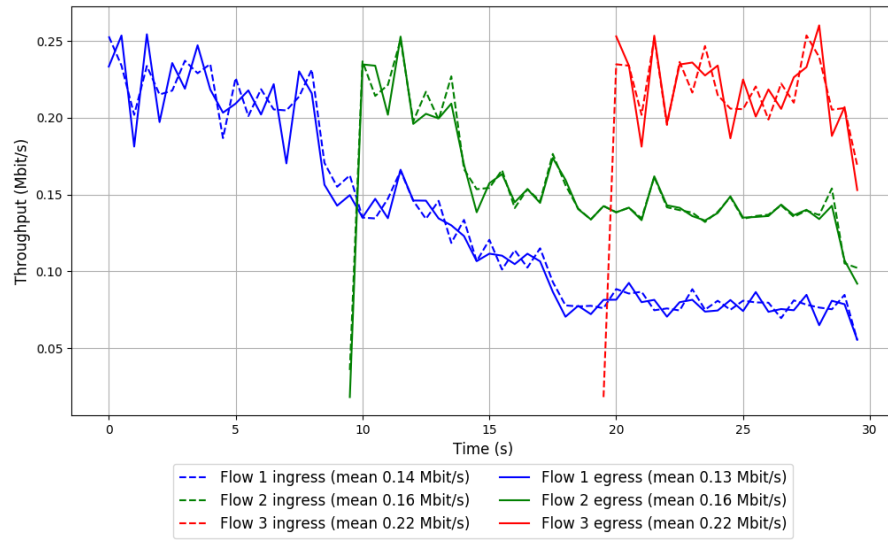


Run 4: Statistics of SCReAM

Start at: 2017-11-30 19:00:04
End at: 2017-11-30 19:00:34
Local clock offset: 0.472 ms
Remote clock offset: -3.785 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 33.436 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 33.172 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 33.658 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.269 ms
Loss rate: 0.74%

Run 4: Report of SReAM — Data Link

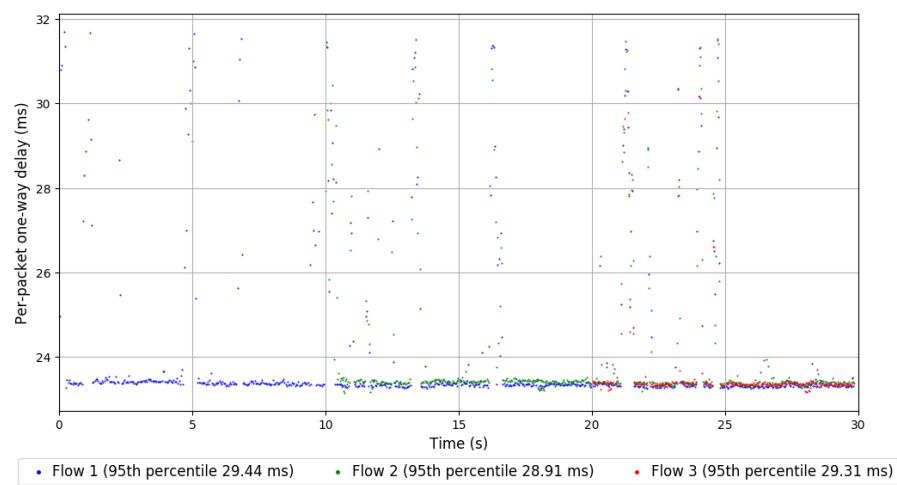
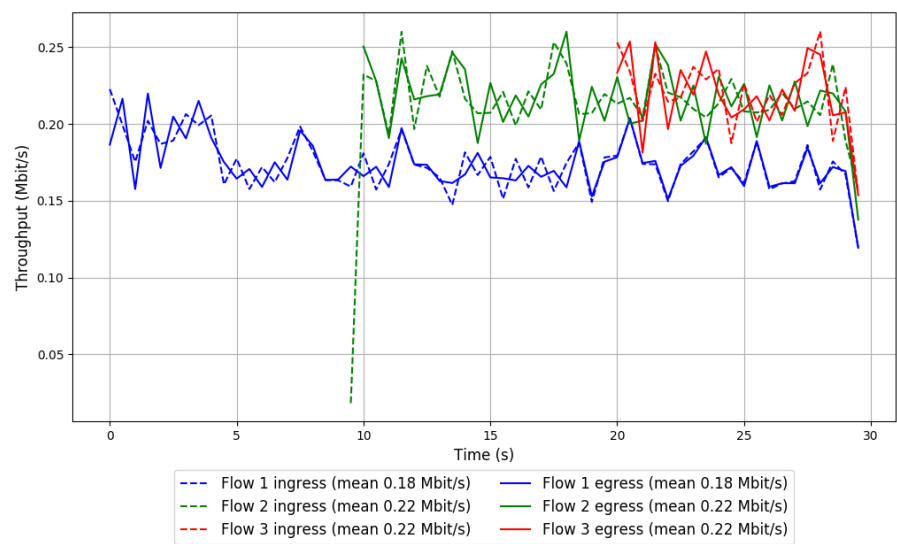


Run 5: Statistics of SReAM

Start at: 2017-11-30 19:20:09
End at: 2017-11-30 19:20:39
Local clock offset: 0.513 ms
Remote clock offset: -1.097 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 29.309 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 29.440 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.915 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.309 ms
Loss rate: 0.39%

Run 5: Report of SReAM — Data Link

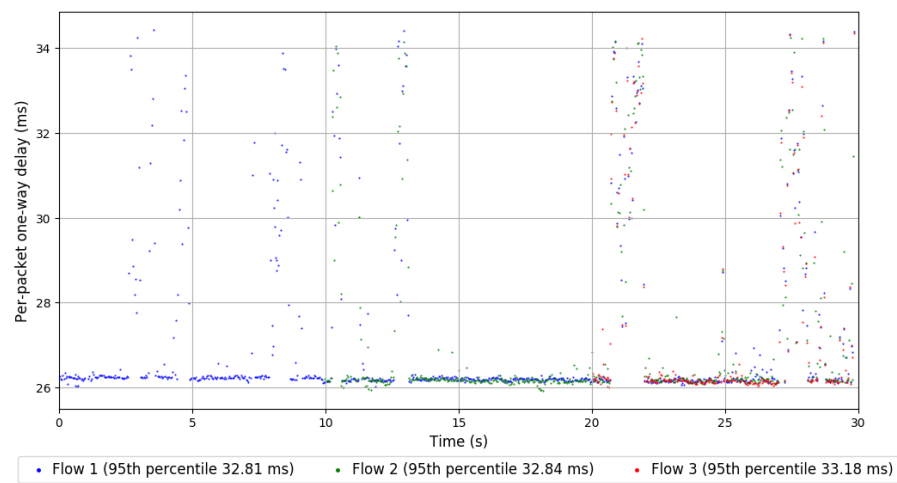
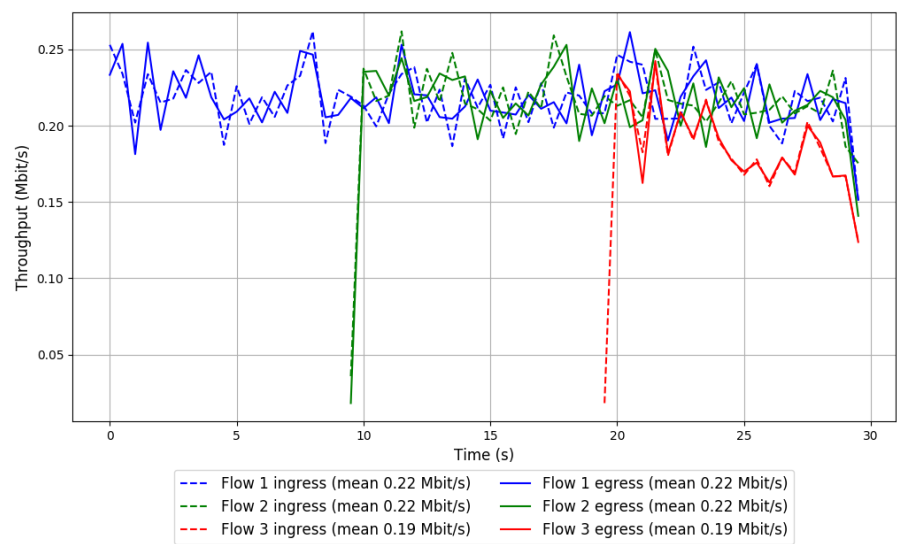


Run 6: Statistics of SReAM

Start at: 2017-11-30 19:40:16
End at: 2017-11-30 19:40:46
Local clock offset: 0.672 ms
Remote clock offset: -3.778 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.922 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.806 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.839 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 33.179 ms
Loss rate: 0.81%

Run 6: Report of SReAM — Data Link

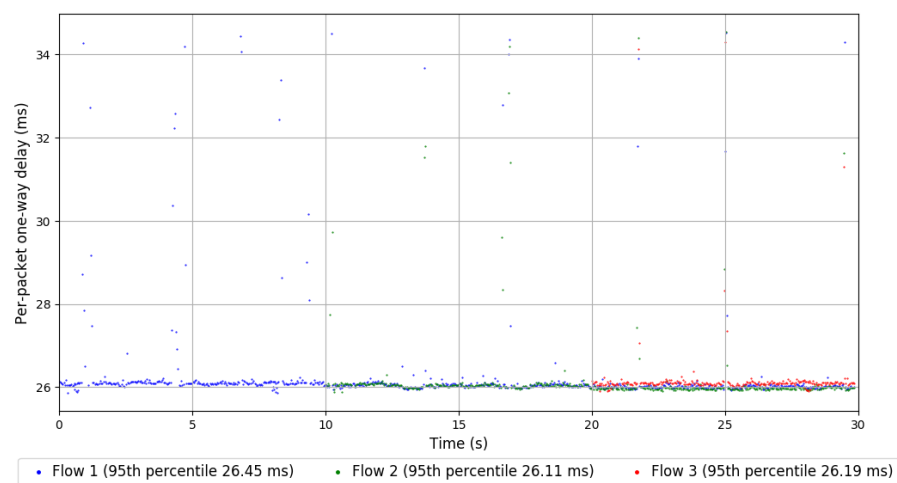
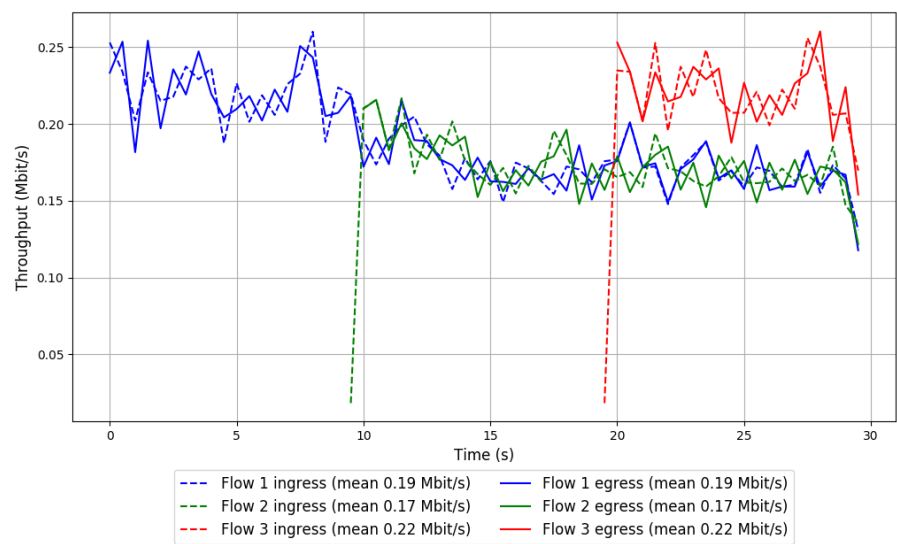


Run 7: Statistics of SReAM

Start at: 2017-11-30 20:00:36
End at: 2017-11-30 20:01:06
Local clock offset: 0.678 ms
Remote clock offset: -3.789 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 26.217 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 26.449 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 26.109 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.189 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

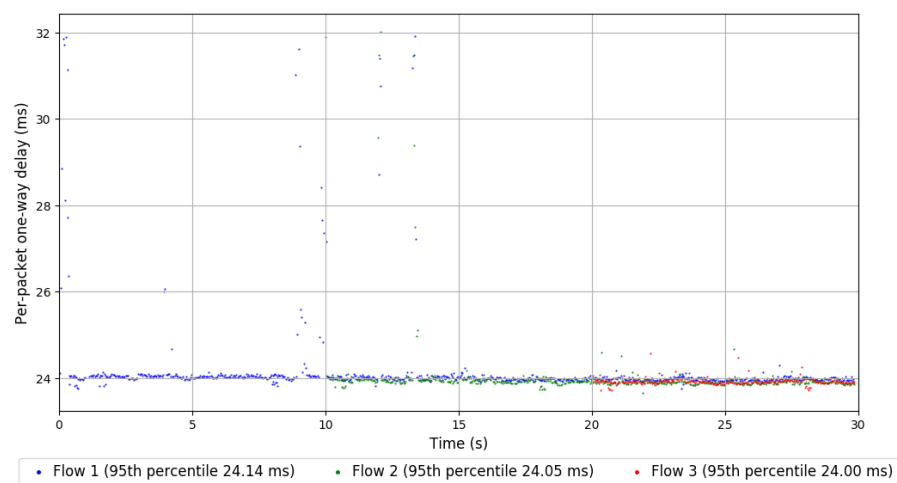
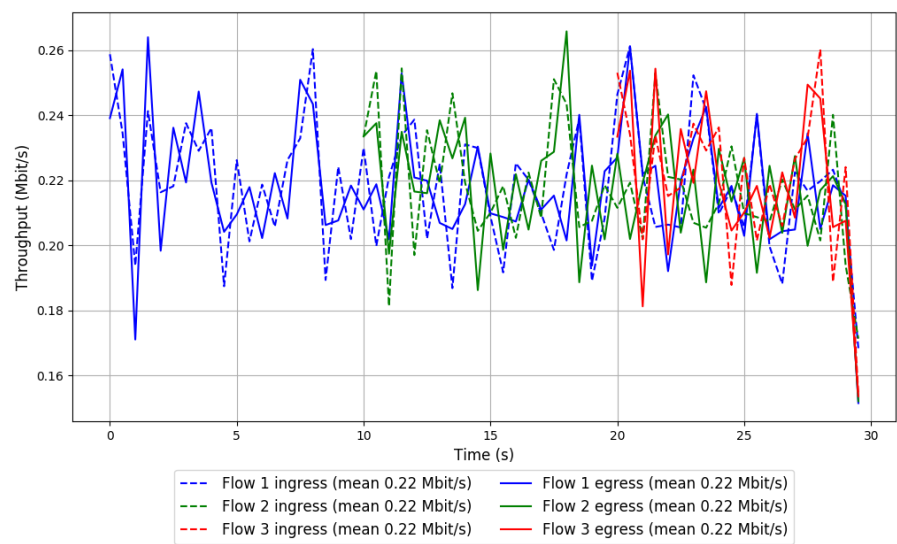


Run 8: Statistics of SReAM

Start at: 2017-11-30 20:20:09
End at: 2017-11-30 20:20:39
Local clock offset: 0.752 ms
Remote clock offset: -1.609 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 24.094 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.142 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.053 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.003 ms
Loss rate: 0.39%

Run 8: Report of SReAM — Data Link

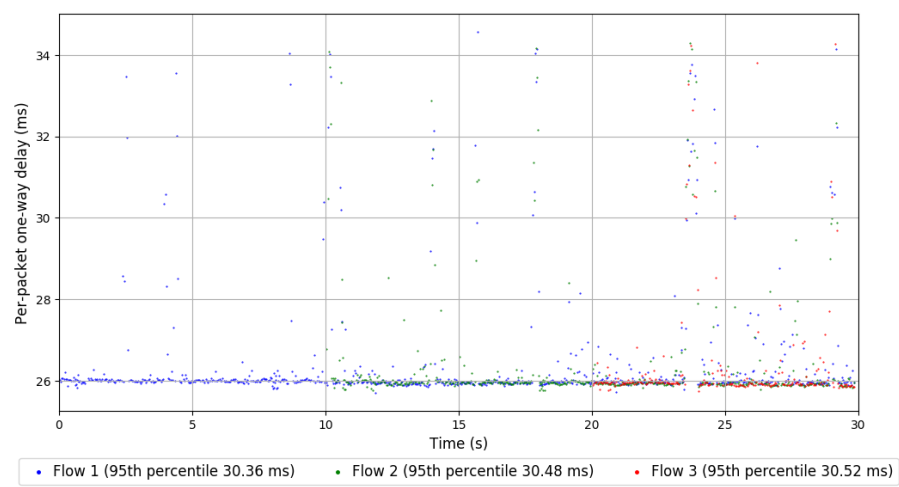
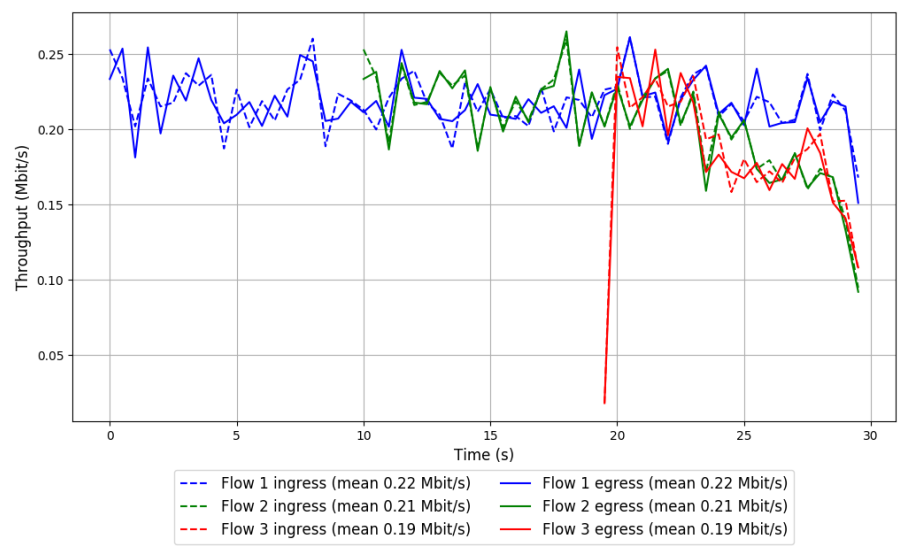


Run 9: Statistics of SReAM

Start at: 2017-11-30 20:39:28
End at: 2017-11-30 20:39:58
Local clock offset: 0.559 ms
Remote clock offset: -3.596 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 30.441 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.356 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.479 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 30.515 ms
Loss rate: 1.65%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2017-11-30 20:58:51

End at: 2017-11-30 20:59:21

Local clock offset: 0.149 ms

Remote clock offset: -3.75 ms

Below is generated by plot.py at 2017-12-01 00:35:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 26.974 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 26.701 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 26.388 ms

Loss rate: 0.40%

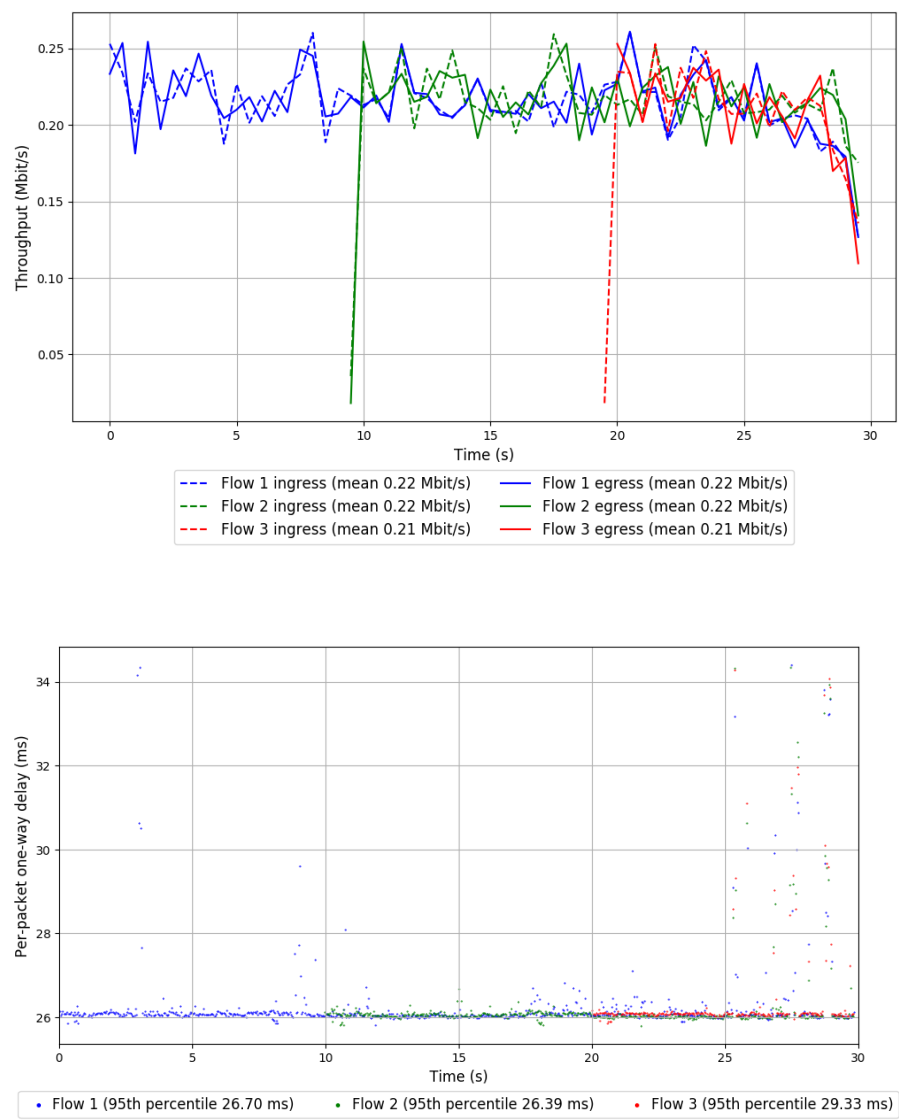
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 29.328 ms

Loss rate: 1.02%

Run 10: Report of SCReAM — Data Link

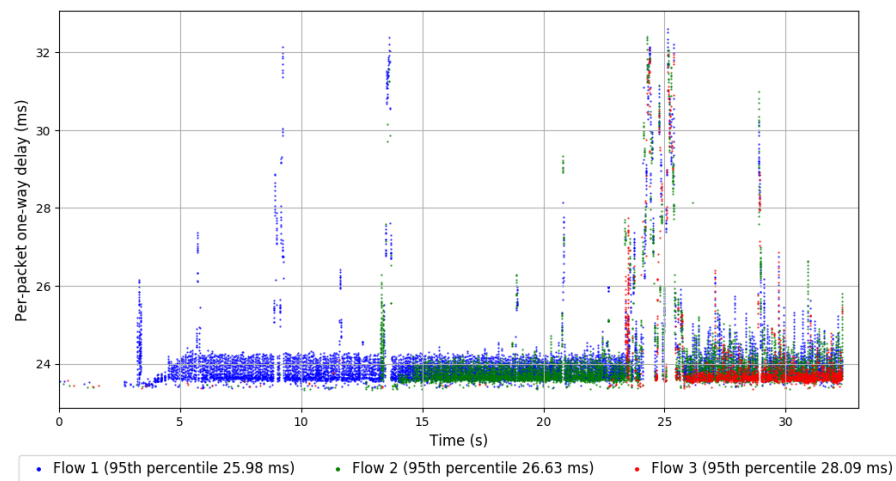
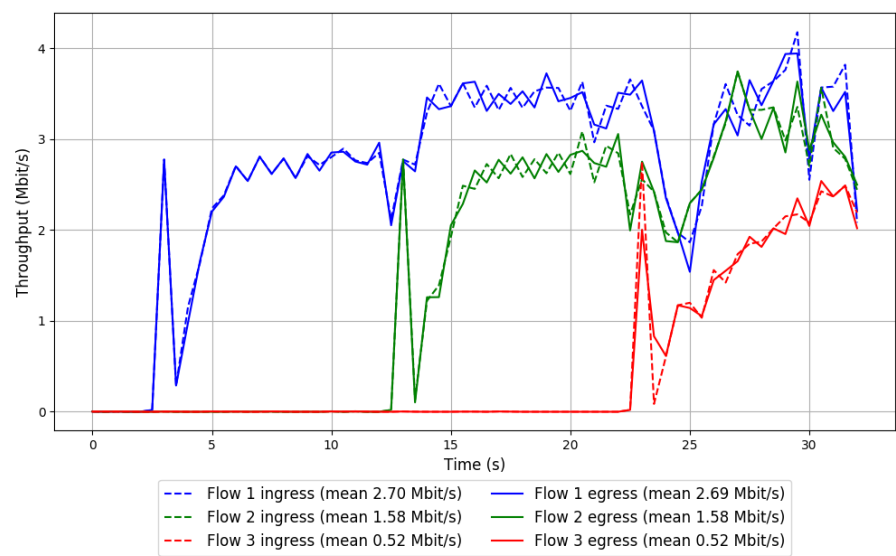


Run 1: Statistics of WebRTC media

Start at: 2017-11-30 17:50:54
End at: 2017-11-30 17:51:24
Local clock offset: 0.447 ms
Remote clock offset: -5.566 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 26.397 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 25.975 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 26.627 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 28.088 ms
Loss rate: 0.58%

Run 1: Report of WebRTC media — Data Link

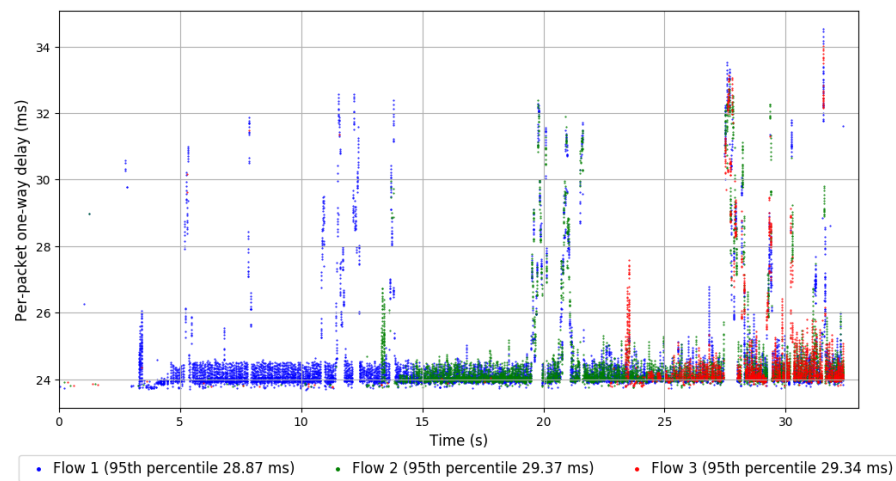
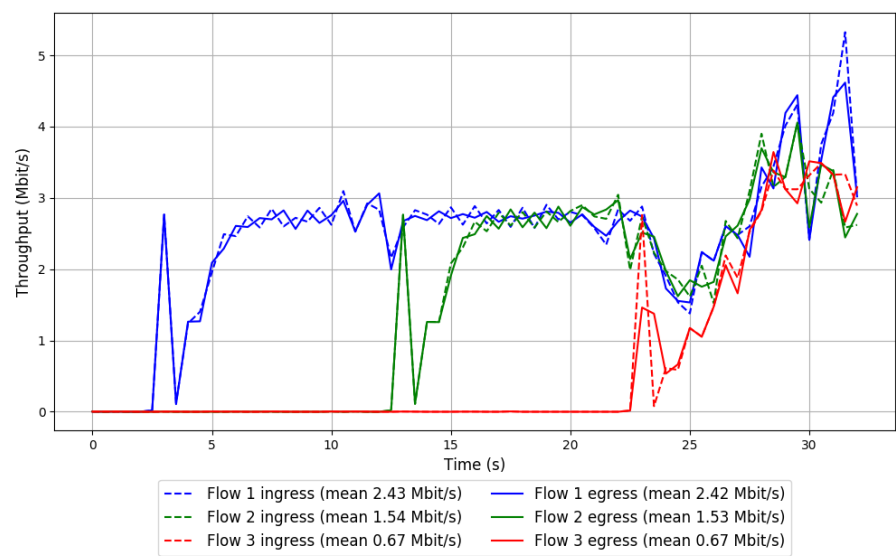


Run 2: Statistics of WebRTC media

Start at: 2017-11-30 18:10:25
End at: 2017-11-30 18:10:55
Local clock offset: 0.507 ms
Remote clock offset: -5.328 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 29.077 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 28.868 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 29.366 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 29.341 ms
Loss rate: 1.09%

Run 2: Report of WebRTC media — Data Link

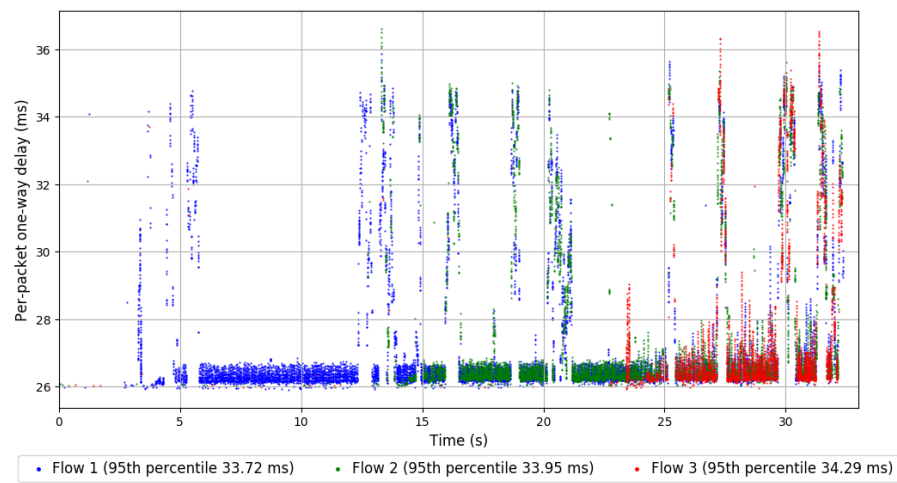
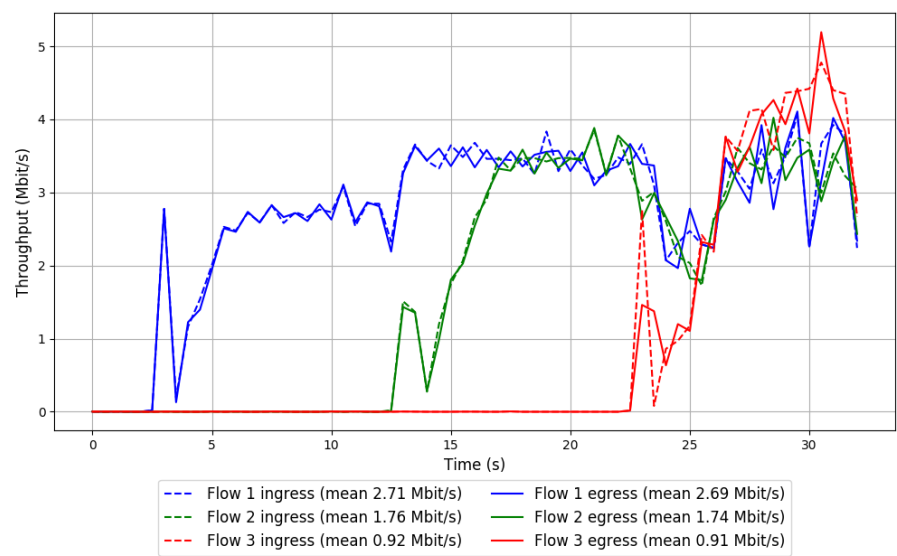


Run 3: Statistics of WebRTC media

Start at: 2017-11-30 18:30:02
End at: 2017-11-30 18:30:32
Local clock offset: 0.524 ms
Remote clock offset: -5.842 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 33.904 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 33.721 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 33.955 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 34.286 ms
Loss rate: 2.09%

Run 3: Report of WebRTC media — Data Link

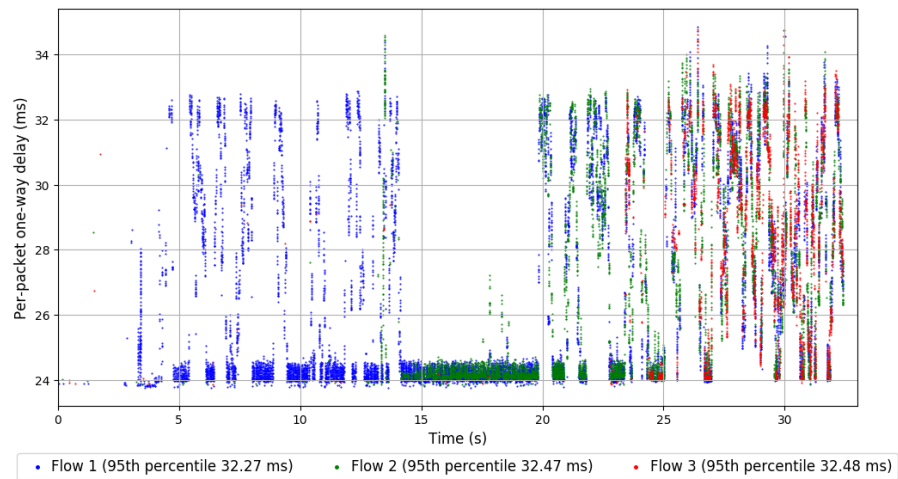
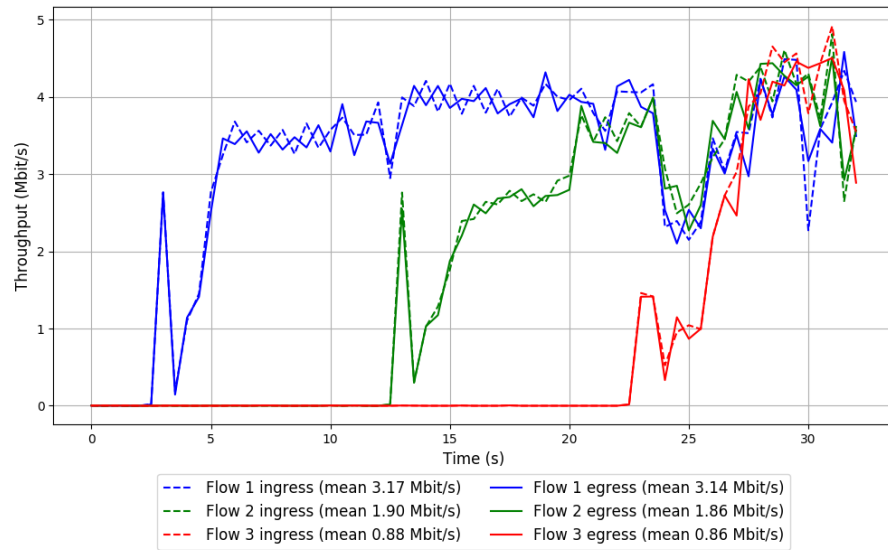


Run 4: Statistics of WebRTC media

Start at: 2017-11-30 18:50:27
End at: 2017-11-30 18:50:57
Local clock offset: 0.503 ms
Remote clock offset: -1.997 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 32.373 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 32.267 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 32.473 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 32.479 ms
Loss rate: 3.51%

Run 4: Report of WebRTC media — Data Link

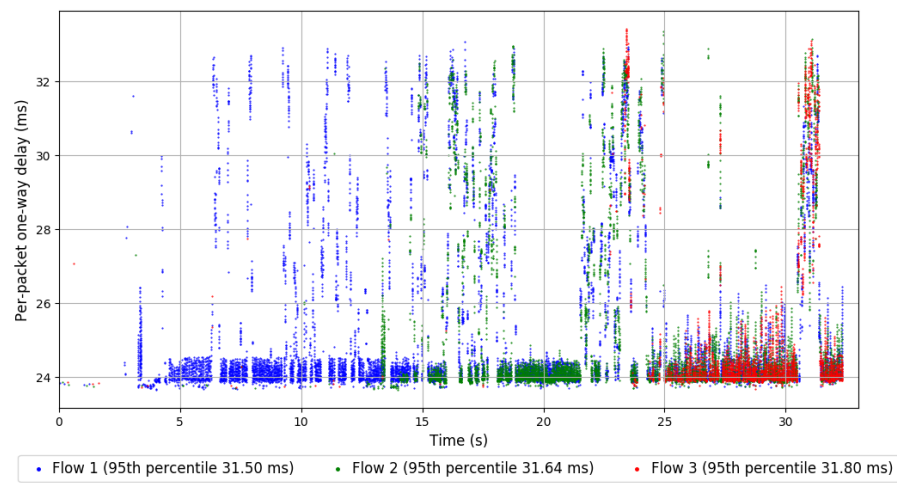
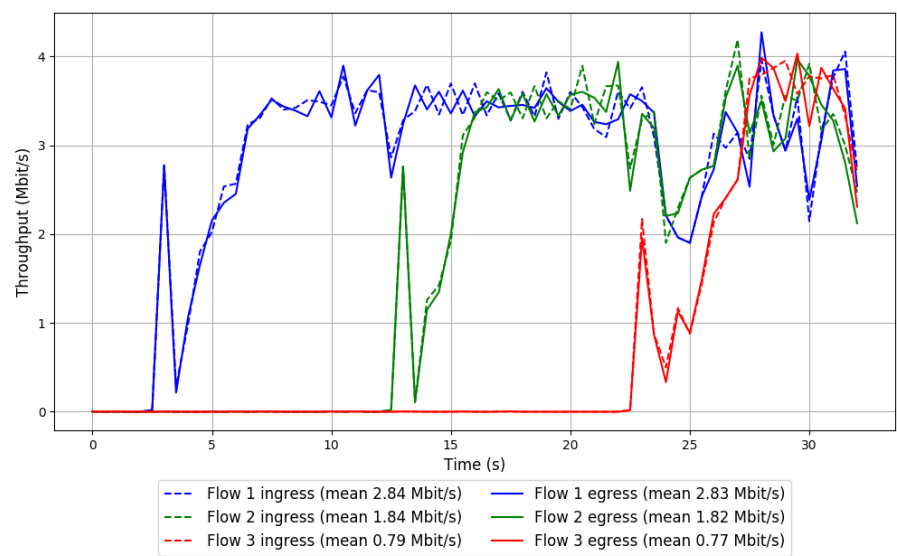


Run 5: Statistics of WebRTC media

Start at: 2017-11-30 19:11:24
End at: 2017-11-30 19:11:54
Local clock offset: 0.502 ms
Remote clock offset: -1.691 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 31.596 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 31.504 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 31.641 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 31.803 ms
Loss rate: 2.33%

Run 5: Report of WebRTC media — Data Link

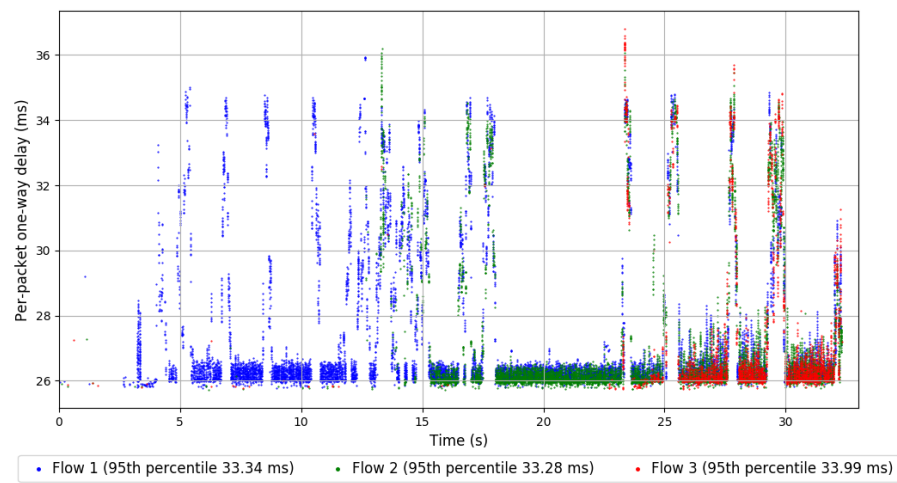
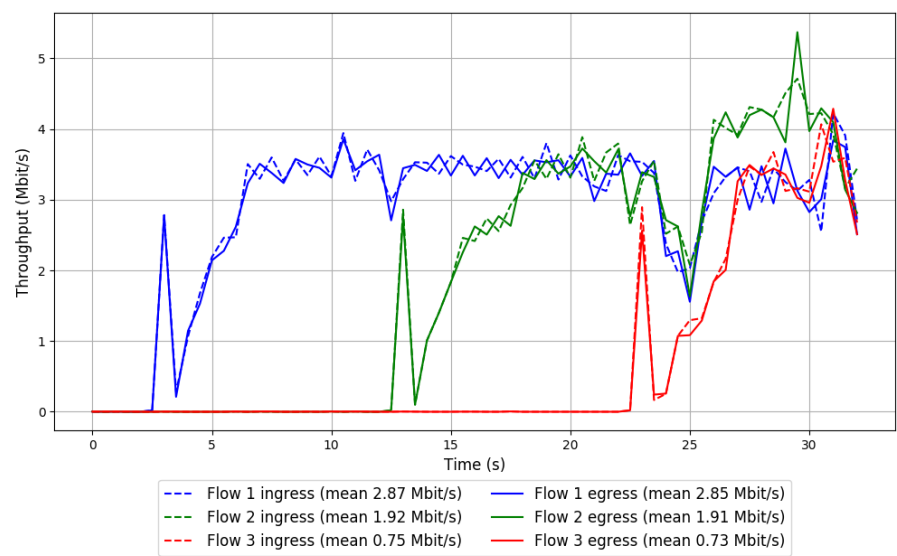


Run 6: Statistics of WebRTC media

Start at: 2017-11-30 19:31:28
End at: 2017-11-30 19:31:58
Local clock offset: 0.55 ms
Remote clock offset: -3.695 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 33.431 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 33.343 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 33.277 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 33.988 ms
Loss rate: 2.04%

Run 6: Report of WebRTC media — Data Link

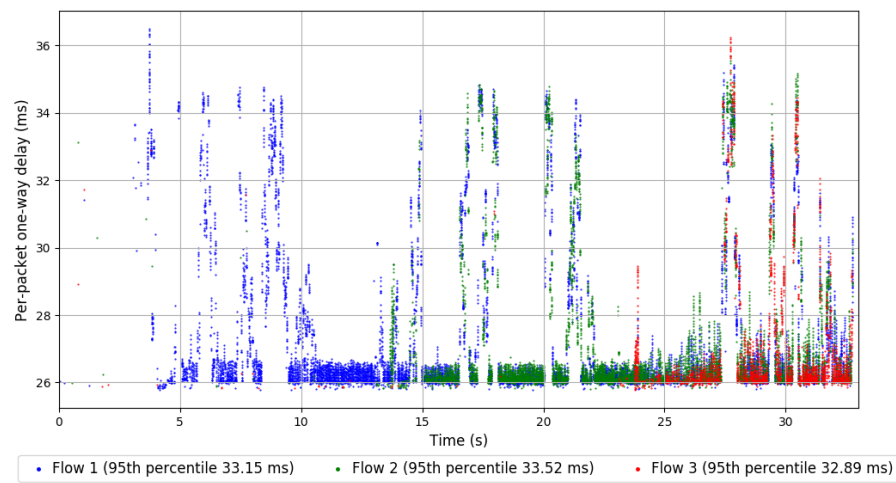
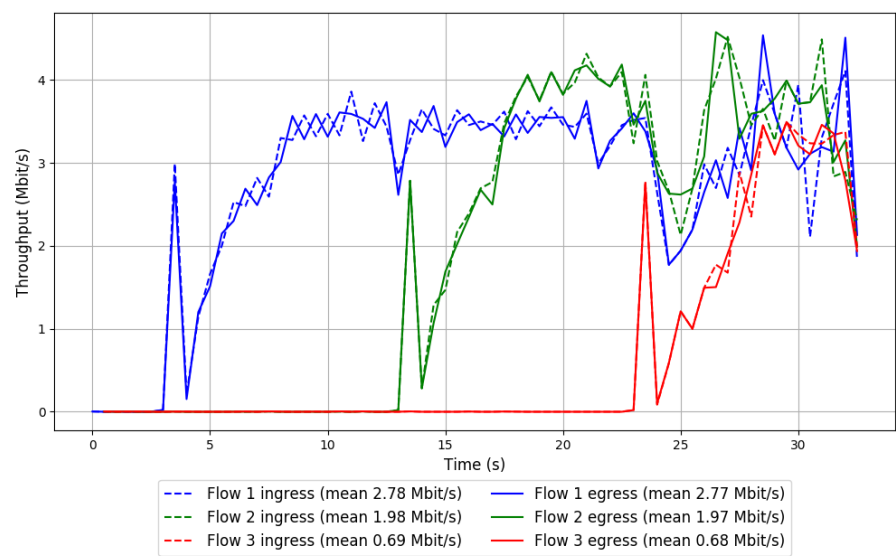


Run 7: Statistics of WebRTC media

Start at: 2017-11-30 19:51:56
End at: 2017-11-30 19:52:26
Local clock offset: 0.702 ms
Remote clock offset: -3.771 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 33.237 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 33.145 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 33.516 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 32.892 ms
Loss rate: 1.77%

Run 7: Report of WebRTC media — Data Link

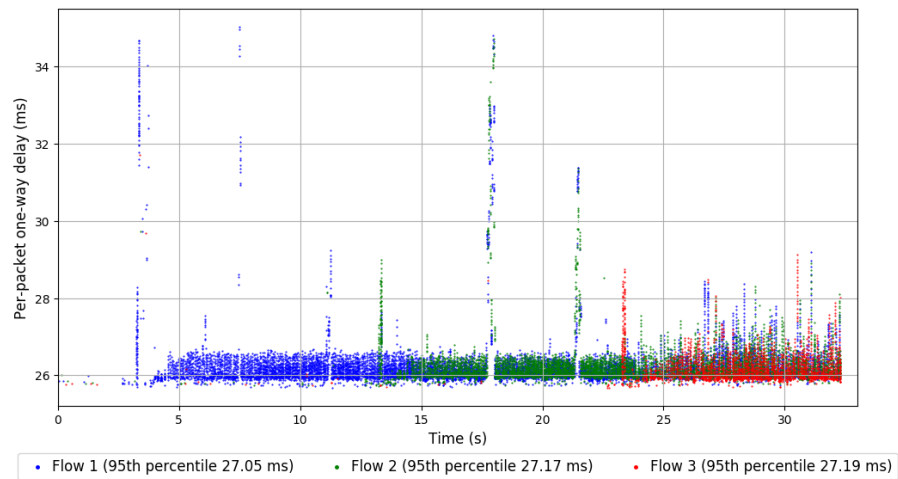
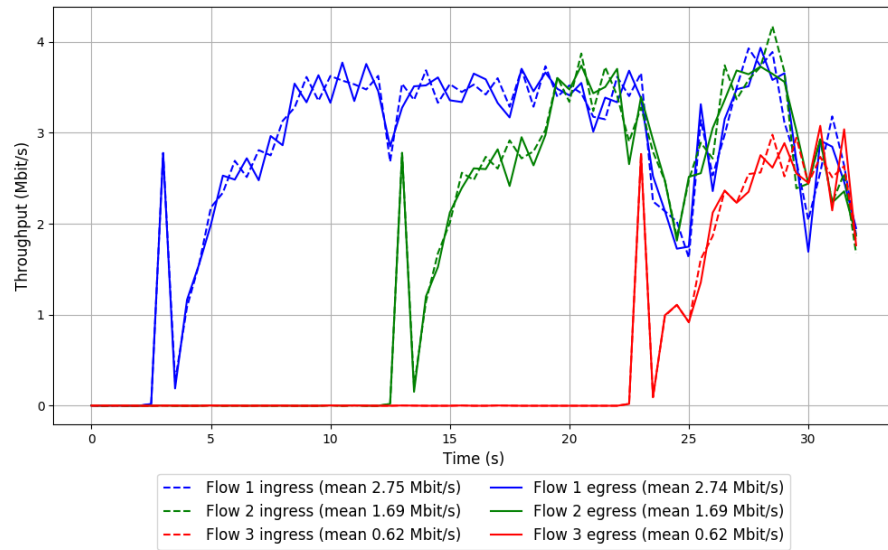


Run 8: Statistics of WebRTC media

Start at: 2017-11-30 20:11:49
End at: 2017-11-30 20:12:19
Local clock offset: 0.617 ms
Remote clock offset: -3.708 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 27.117 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 27.052 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 27.168 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 27.187 ms
Loss rate: 0.10%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-11-30 20:31:04

End at: 2017-11-30 20:31:34

Local clock offset: 0.718 ms

Remote clock offset: -3.73 ms

Below is generated by plot.py at 2017-12-01 00:35:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.96 Mbit/s

95th percentile per-packet one-way delay: 29.269 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 27.895 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 29.601 ms

Loss rate: 0.55%

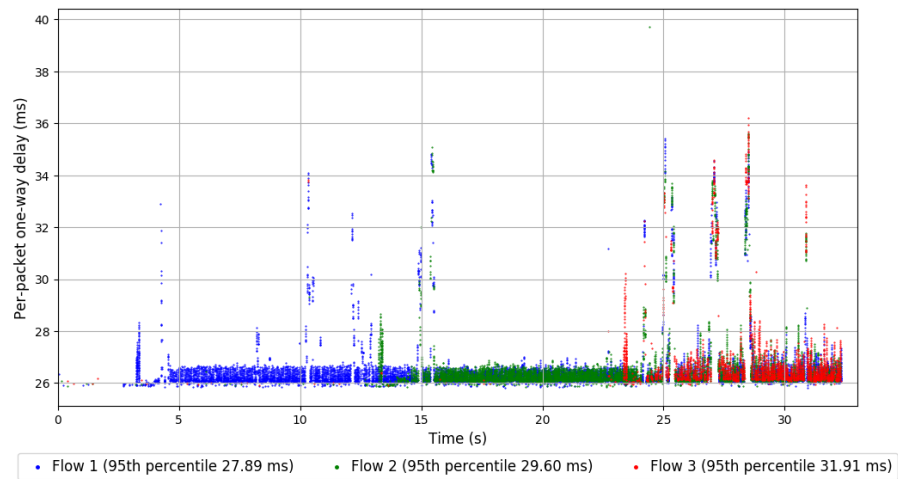
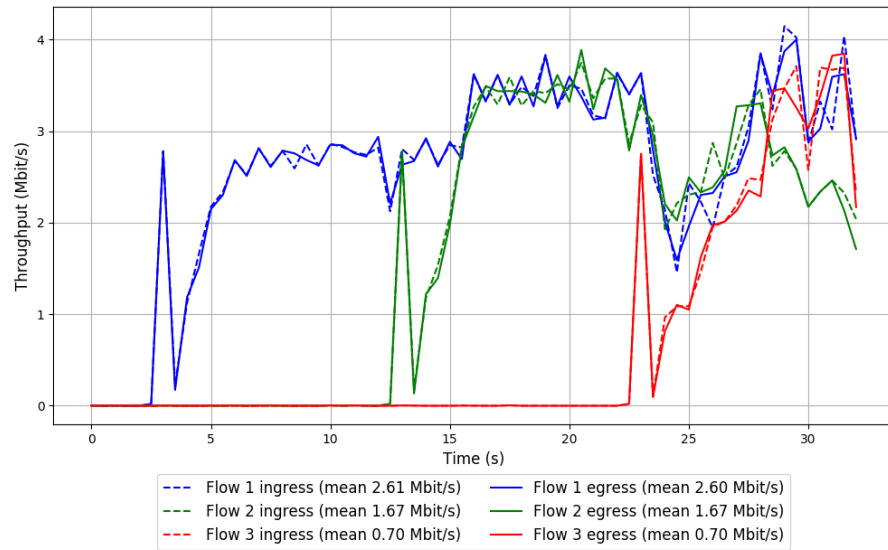
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 31.906 ms

Loss rate: 0.47%

Run 9: Report of WebRTC media — Data Link

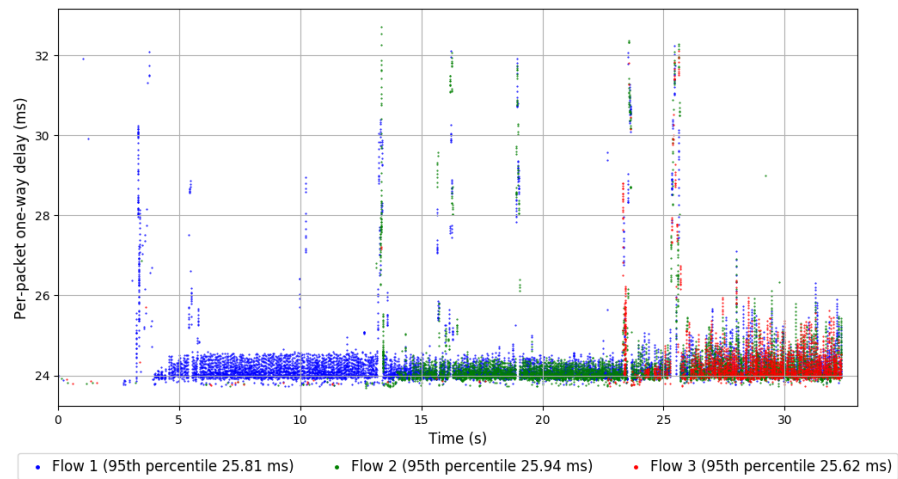
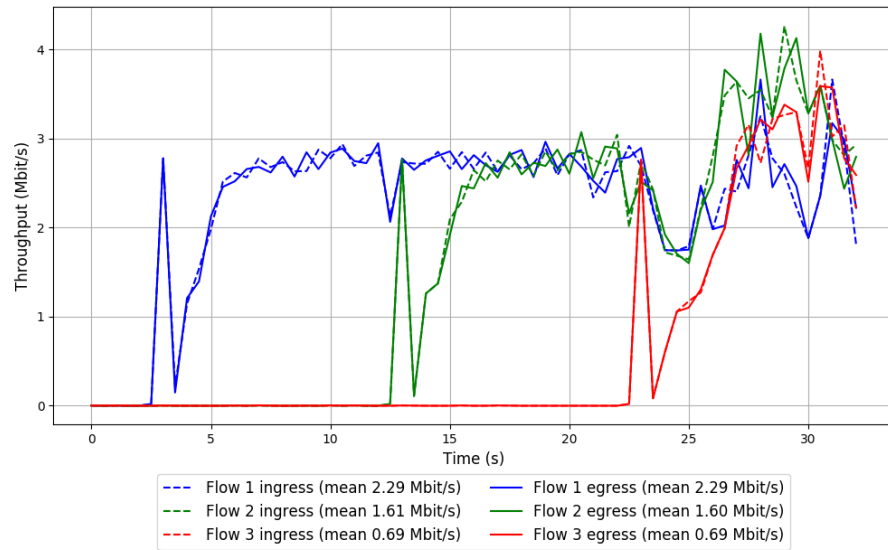


Run 10: Statistics of WebRTC media

Start at: 2017-11-30 20:50:29
End at: 2017-11-30 20:50:59
Local clock offset: 0.399 ms
Remote clock offset: -1.549 ms

Below is generated by plot.py at 2017-12-01 00:35:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 25.796 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 25.809 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 25.942 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 25.621 ms
Loss rate: 0.08%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

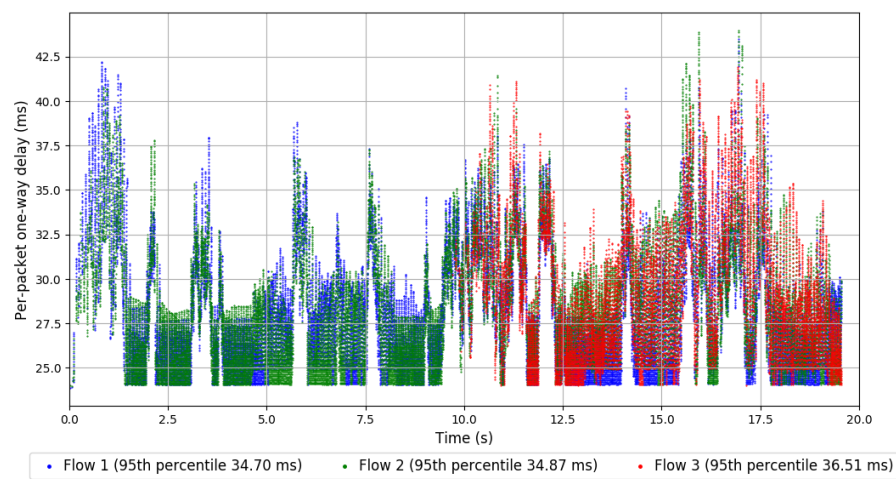
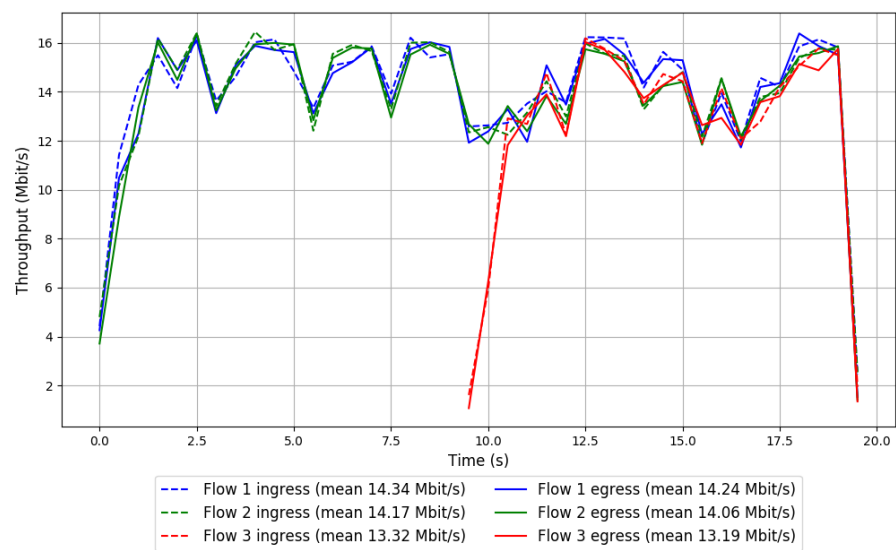
Start at: 2017-11-30 18:04:58

End at: 2017-11-30 18:05:28

Local clock offset: 0.491 ms

Remote clock offset: -5.821 ms

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

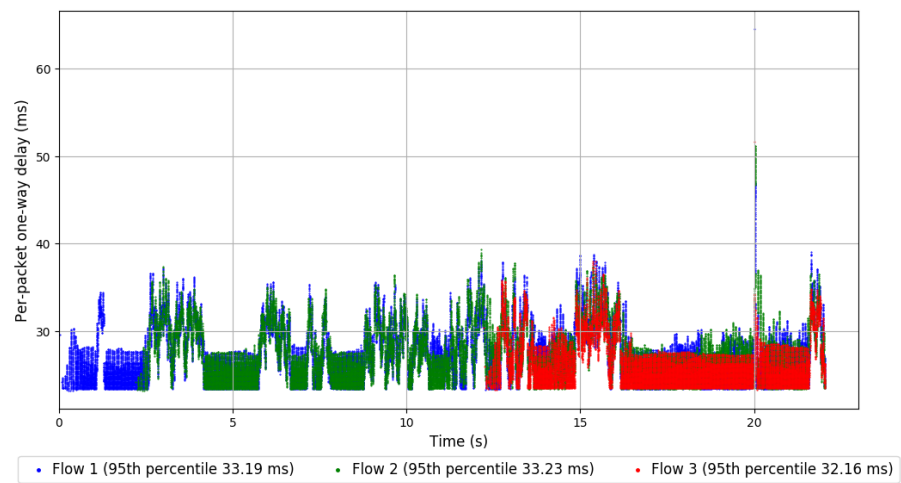
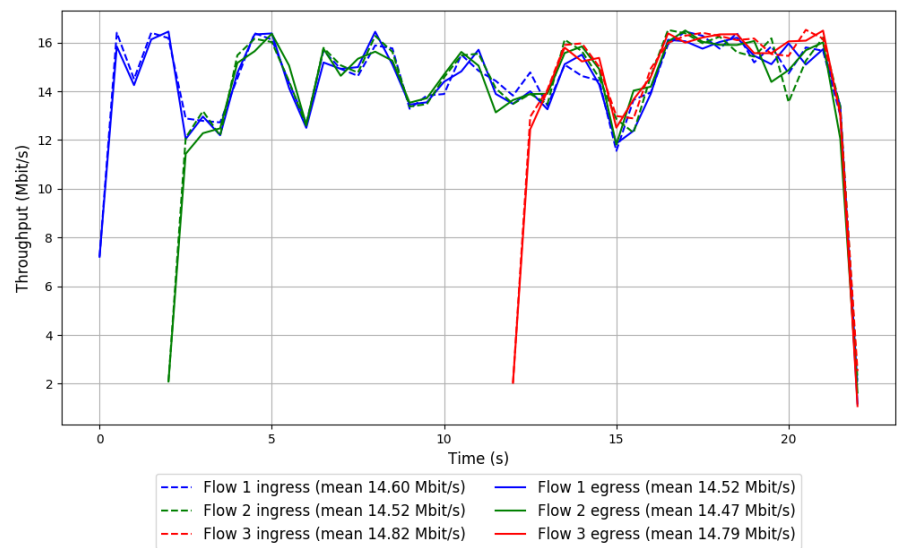
Start at: 2017-11-30 18:24:26

End at: 2017-11-30 18:24:56

Local clock offset: 0.453 ms

Remote clock offset: -3.956 ms

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-11-30 18:44:46

End at: 2017-11-30 18:45:16

Local clock offset: 0.496 ms

Remote clock offset: -2.25 ms

Below is generated by plot.py at 2017-12-01 00:35:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 27.01 Mbit/s

95th percentile per-packet one-way delay: 34.523 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 14.03 Mbit/s

95th percentile per-packet one-way delay: 33.977 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: 35.021 ms

Loss rate: 1.28%

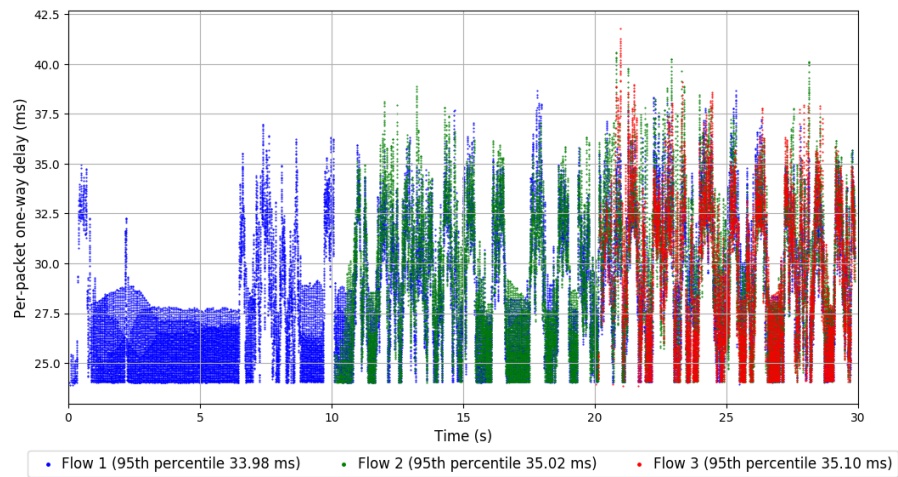
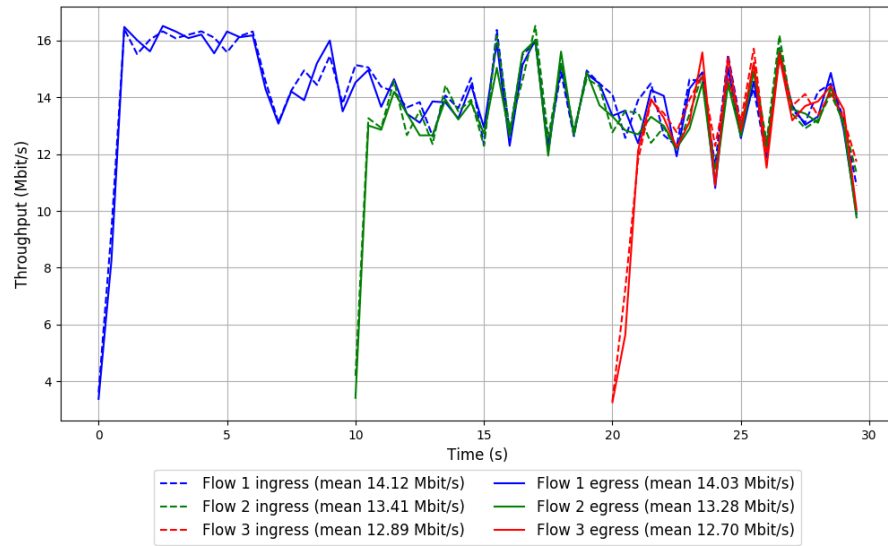
-- Flow 3:

Average throughput: 12.70 Mbit/s

95th percentile per-packet one-way delay: 35.101 ms

Loss rate: 2.21%

Run 3: Report of Sprout — Data Link

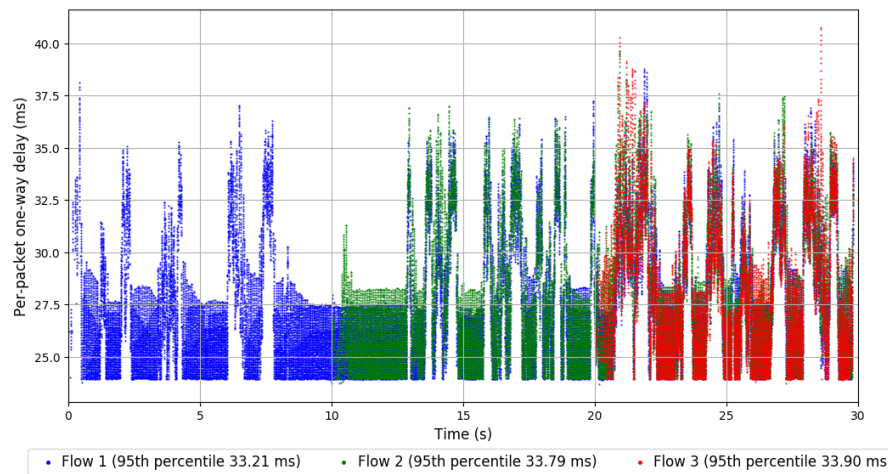
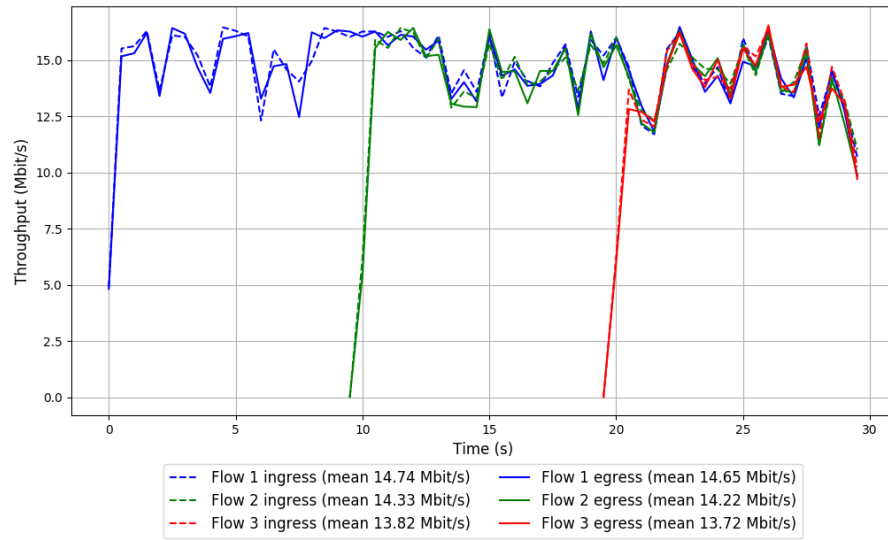


Run 4: Statistics of Sprout

Start at: 2017-11-30 19:05:46
End at: 2017-11-30 19:06:16
Local clock offset: 0.484 ms
Remote clock offset: -1.76 ms

```
# Below is generated by plot.py at 2017-12-01 00:35:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 33.533 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 14.65 Mbit/s
95th percentile per-packet one-way delay: 33.209 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 33.791 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 13.72 Mbit/s
95th percentile per-packet one-way delay: 33.901 ms
Loss rate: 1.24%
```

Run 4: Report of Sprout — Data Link

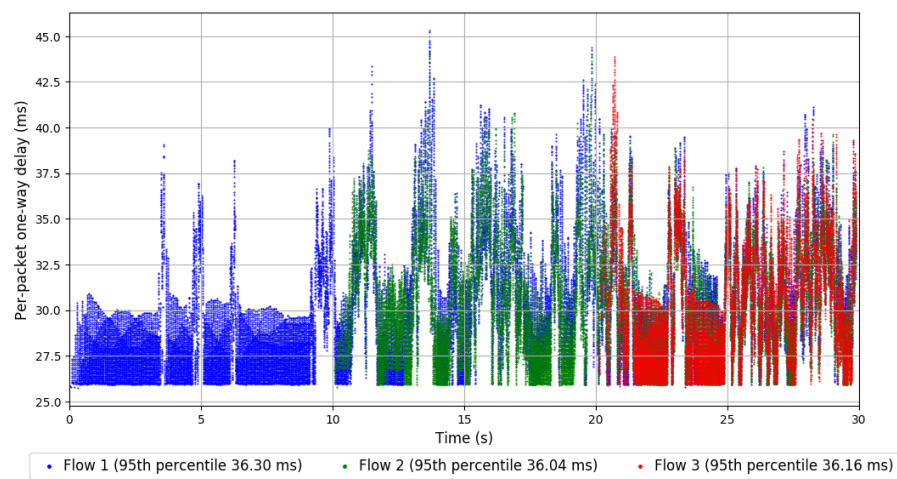
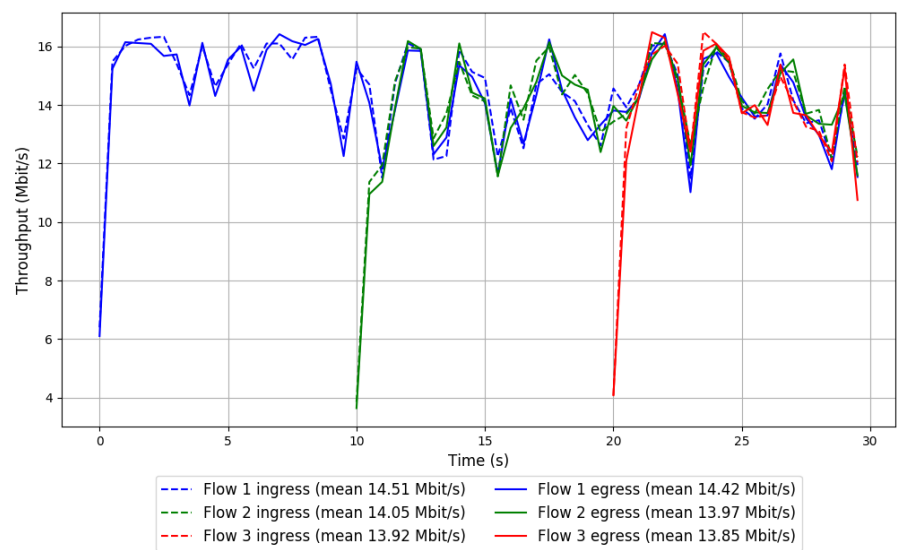


Run 5: Statistics of Sprout

Start at: 2017-11-30 19:25:52
End at: 2017-11-30 19:26:22
Local clock offset: 0.535 ms
Remote clock offset: -3.626 ms

Below is generated by plot.py at 2017-12-01 00:35:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 36.177 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 36.305 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 13.97 Mbit/s
95th percentile per-packet one-way delay: 36.037 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 36.164 ms
Loss rate: 1.01%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

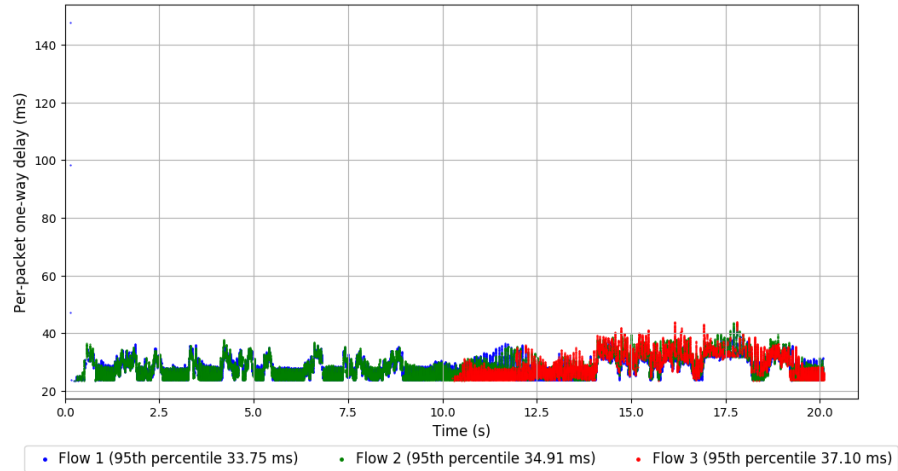
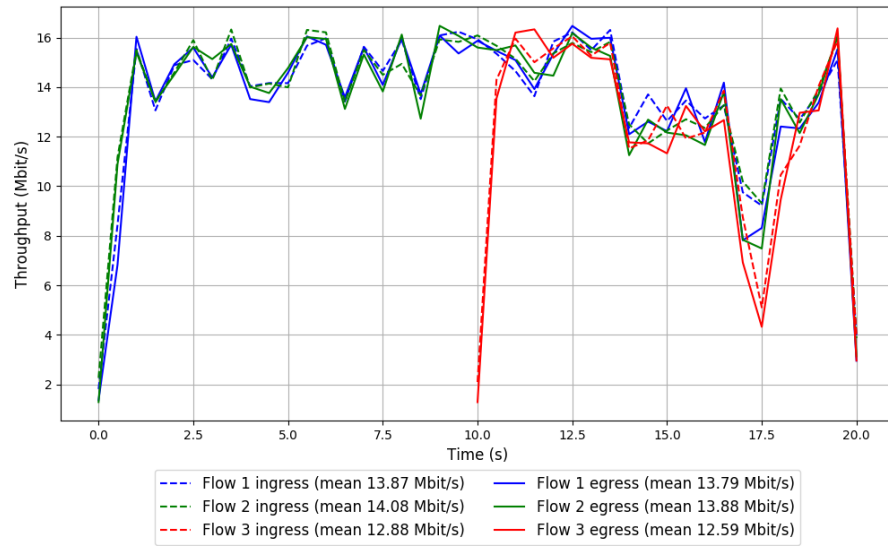
Start at: 2017-11-30 19:46:05

End at: 2017-11-30 19:46:35

Local clock offset: 0.594 ms

Remote clock offset: -1.592 ms

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

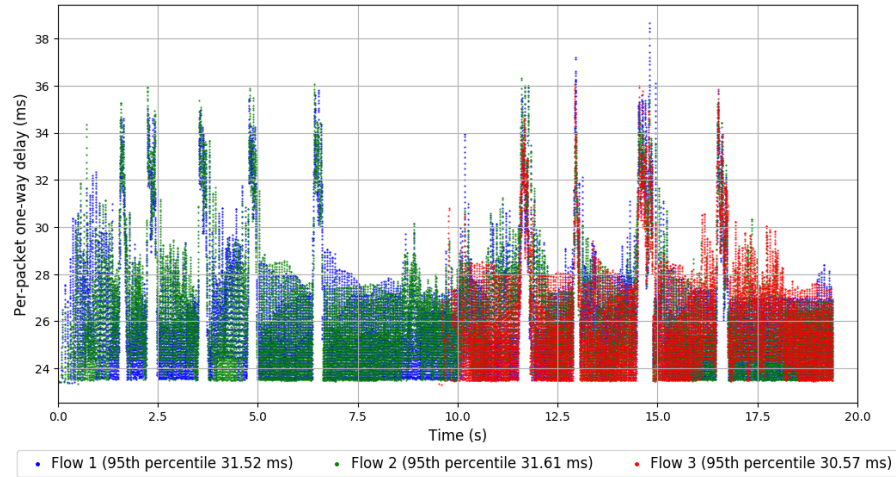
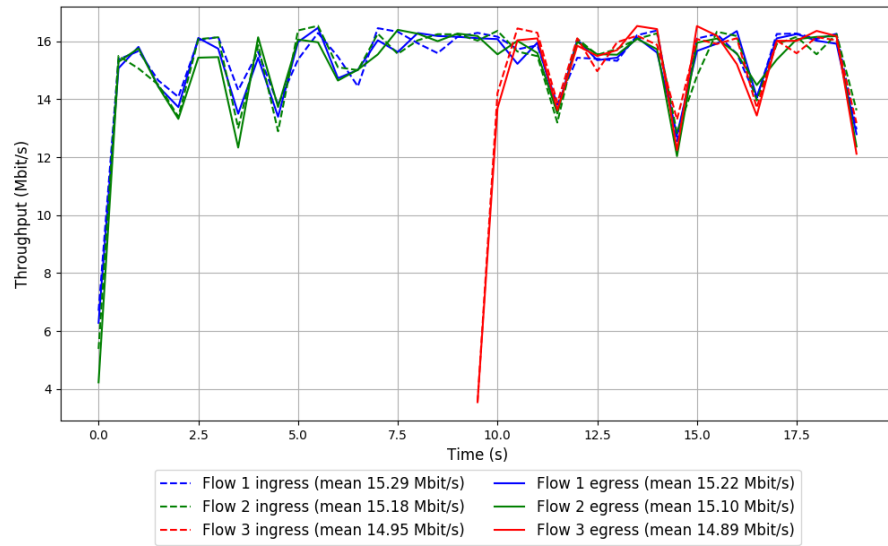
Start at: 2017-11-30 20:06:21

End at: 2017-11-30 20:06:51

Local clock offset: 0.606 ms

Remote clock offset: -1.298 ms

Run 7: Report of Sprout — Data Link

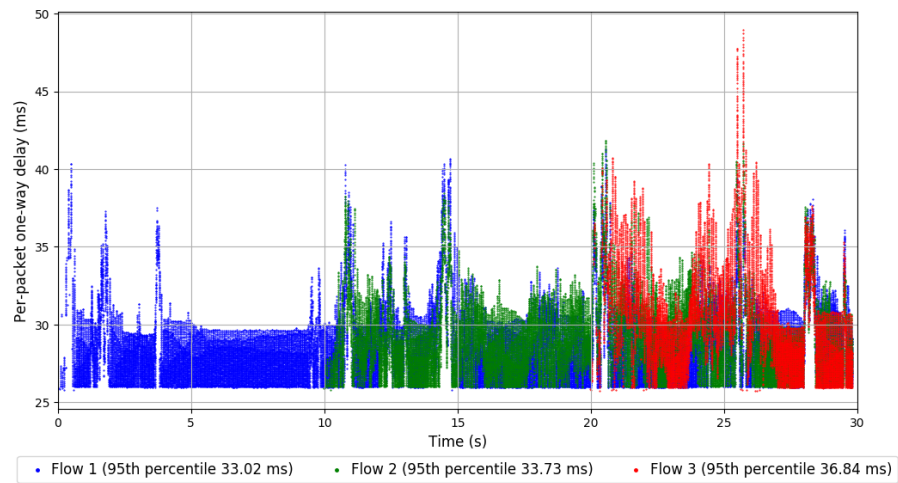
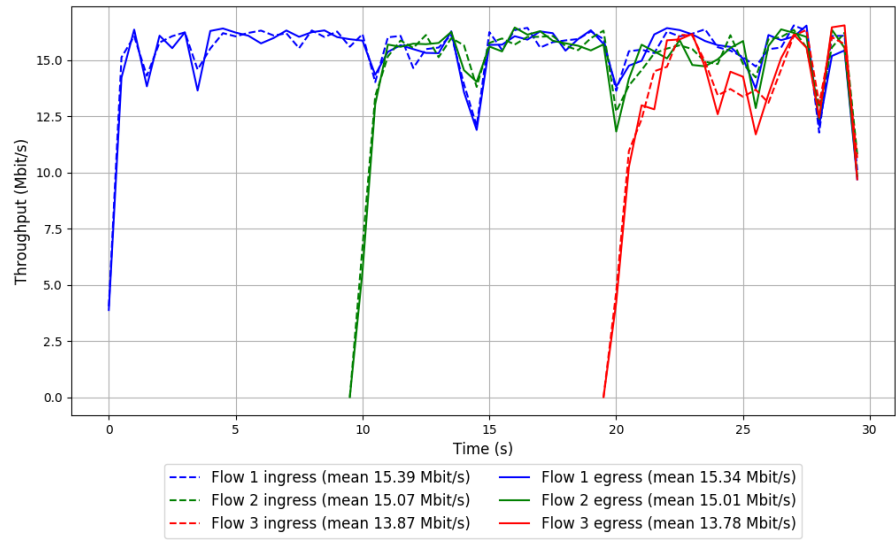


Run 8: Statistics of Sprout

Start at: 2017-11-30 20:25:37
End at: 2017-11-30 20:26:07
Local clock offset: 0.66 ms
Remote clock offset: -3.758 ms

Below is generated by plot.py at 2017-12-01 00:35:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 34.360 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 15.34 Mbit/s
95th percentile per-packet one-way delay: 33.023 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 15.01 Mbit/s
95th percentile per-packet one-way delay: 33.727 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 36.841 ms
Loss rate: 1.02%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-11-30 20:44:54

End at: 2017-11-30 20:45:24

Local clock offset: 0.507 ms

Remote clock offset: -1.18 ms

Below is generated by plot.py at 2017-12-01 00:35:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.62 Mbit/s

95th percentile per-packet one-way delay: 30.294 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 15.57 Mbit/s

95th percentile per-packet one-way delay: 29.341 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 15.31 Mbit/s

95th percentile per-packet one-way delay: 30.462 ms

Loss rate: 0.49%

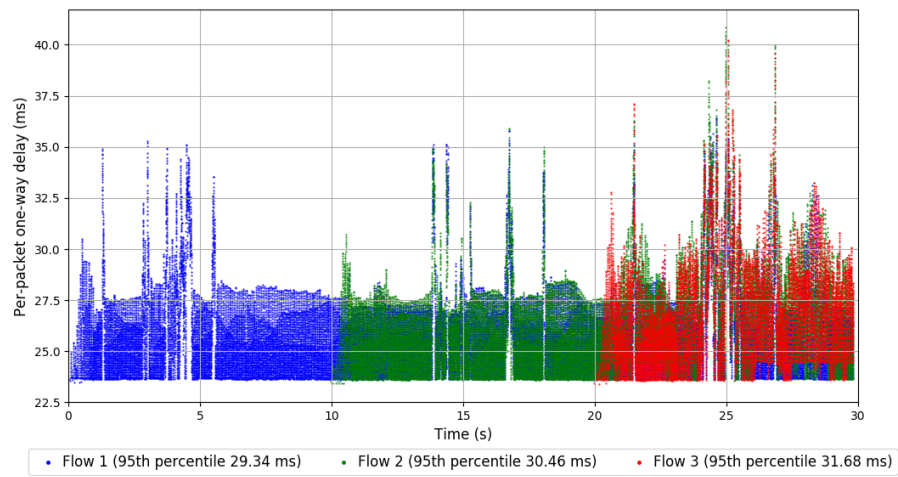
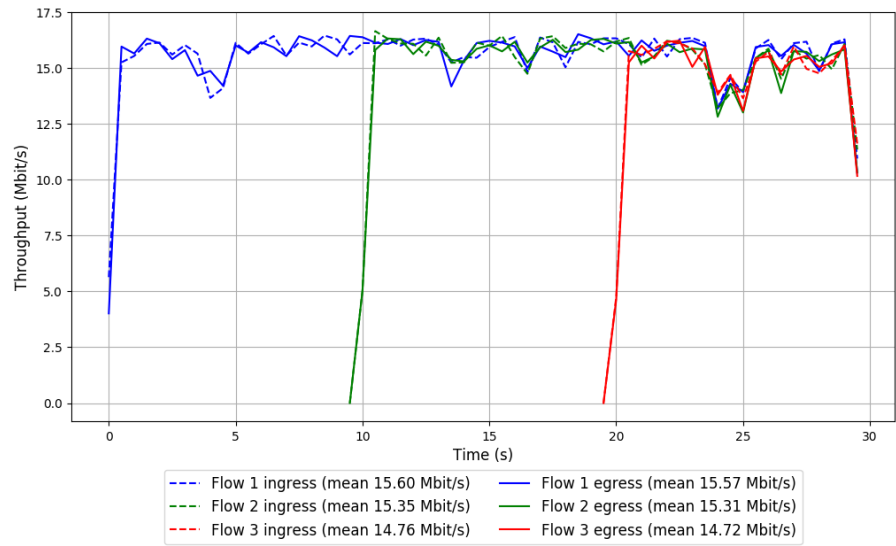
-- Flow 3:

Average throughput: 14.72 Mbit/s

95th percentile per-packet one-way delay: 31.685 ms

Loss rate: 0.85%

Run 9: Report of Sprout — Data Link

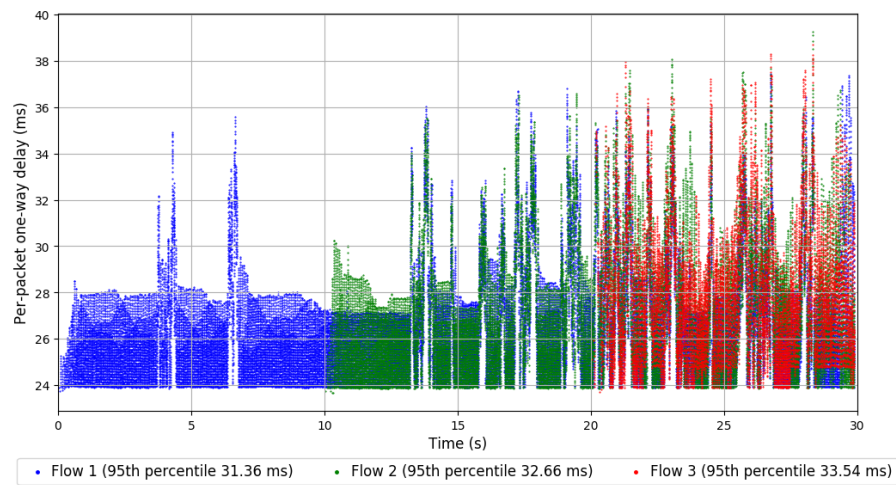
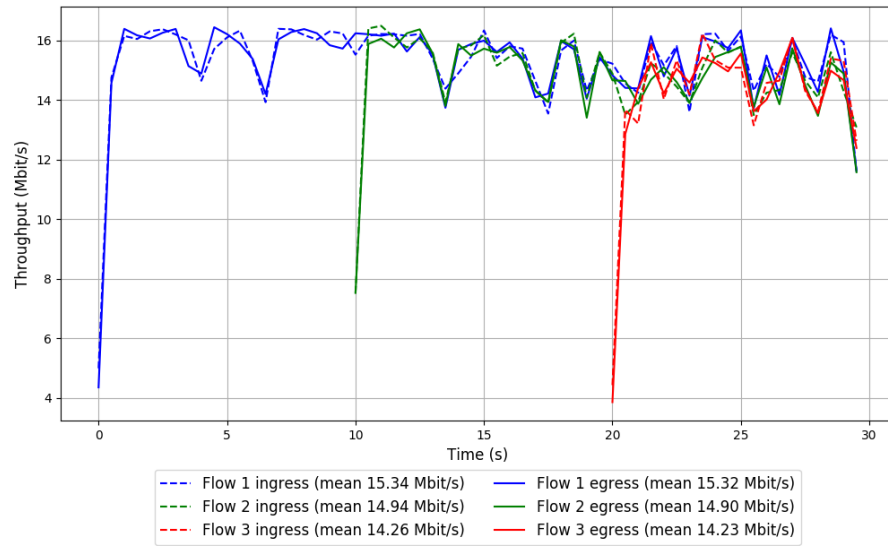


Run 10: Statistics of Sprout

Start at: 2017-11-30 21:04:26
End at: 2017-11-30 21:04:56
Local clock offset: 0.03 ms
Remote clock offset: -1.547 ms

Below is generated by plot.py at 2017-12-01 00:36:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 32.272 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 31.361 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 32.660 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 14.23 Mbit/s
95th percentile per-packet one-way delay: 33.538 ms
Loss rate: 0.77%

Run 10: Report of Sprout — Data Link

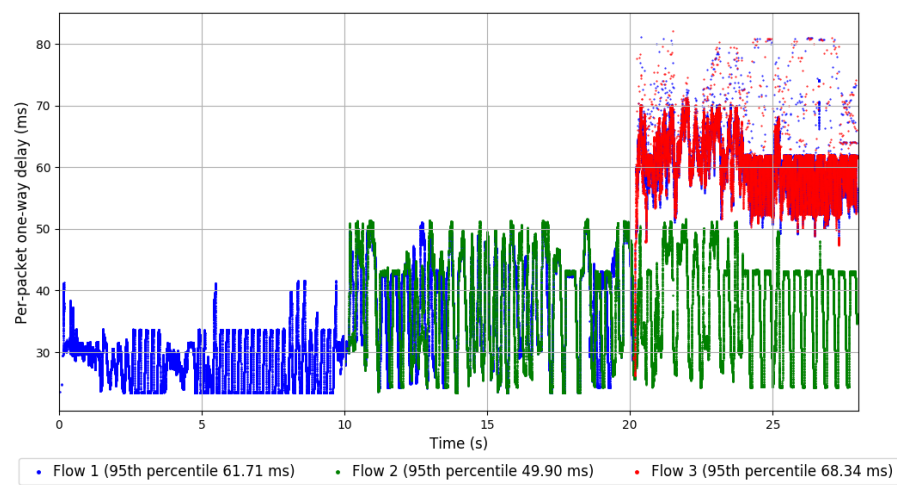
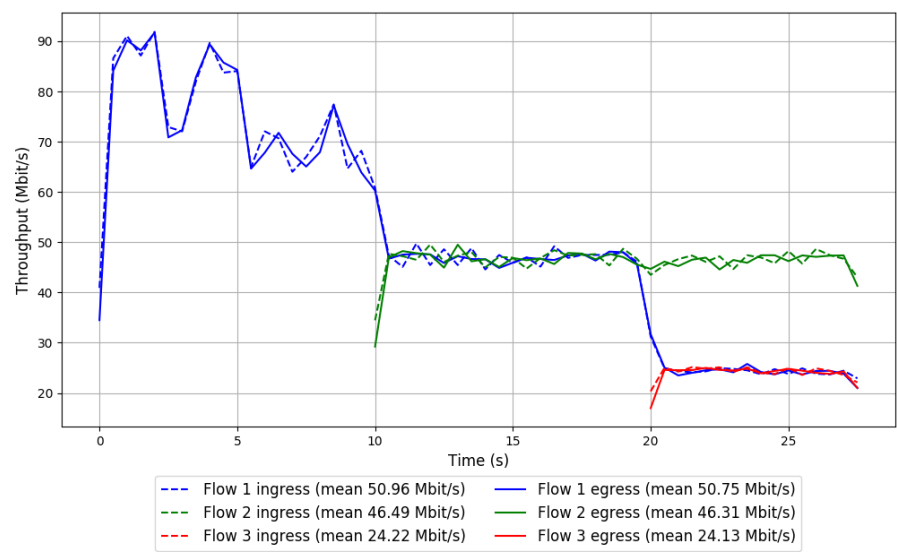


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-11-30 17:55:02
End at: 2017-11-30 17:55:32
Local clock offset: 0.375 ms
Remote clock offset: -5.429 ms

# Below is generated by plot.py at 2017-12-01 00:37:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 61.879 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 50.75 Mbit/s
95th percentile per-packet one-way delay: 61.713 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 49.903 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 68.338 ms
Loss rate: 1.32%
```

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

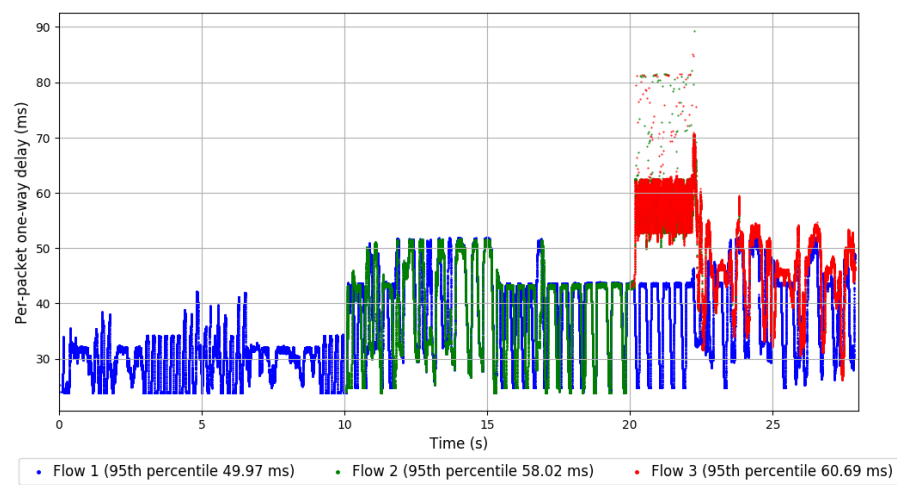
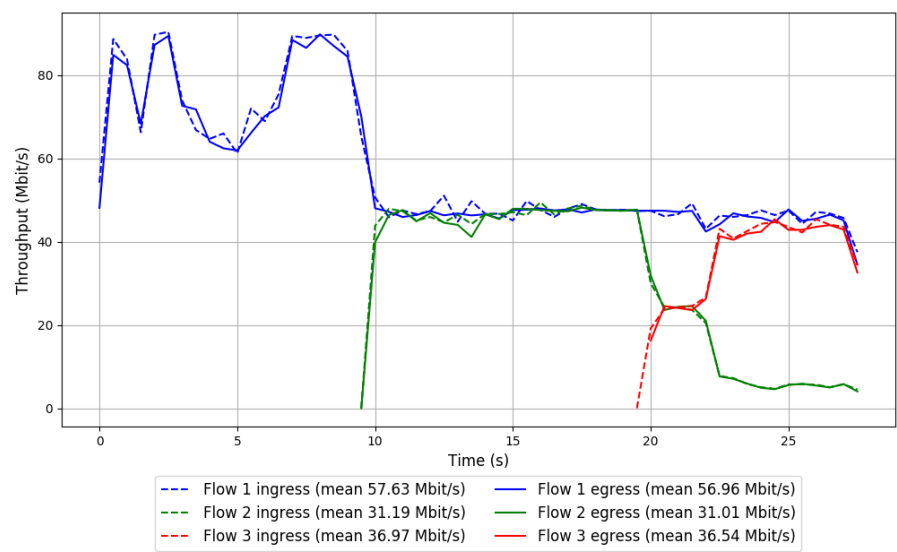


Run 2: Statistics of TaoVA-100x

Start at: 2017-11-30 18:14:32
End at: 2017-11-30 18:15:02
Local clock offset: 0.527 ms
Remote clock offset: -4.999 ms

Below is generated by plot.py at 2017-12-01 00:37:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 53.205 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 49.967 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 58.016 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 60.690 ms
Loss rate: 2.06%

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

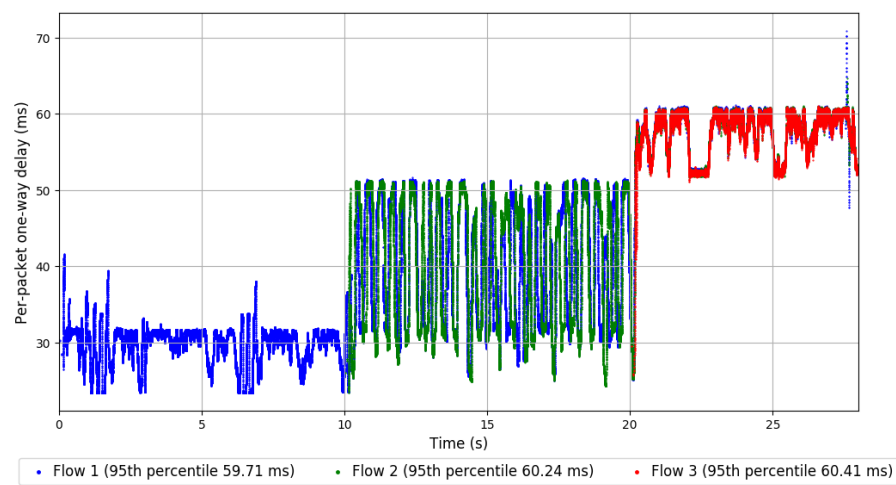
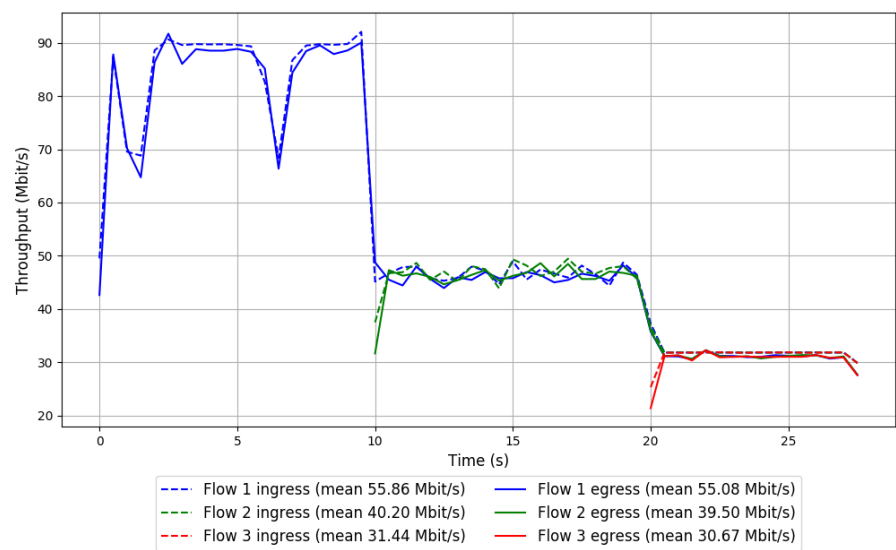


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-30 18:34:17
End at: 2017-11-30 18:34:47
Local clock offset: 0.412 ms
Remote clock offset: -2.717 ms

Below is generated by plot.py at 2017-12-01 00:37:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 60.152 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 59.710 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 60.238 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 60.414 ms
Loss rate: 3.32%

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

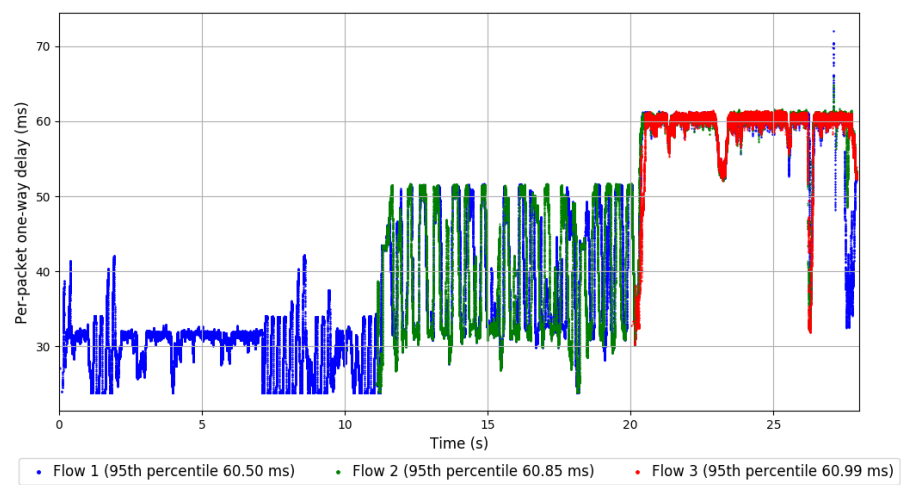
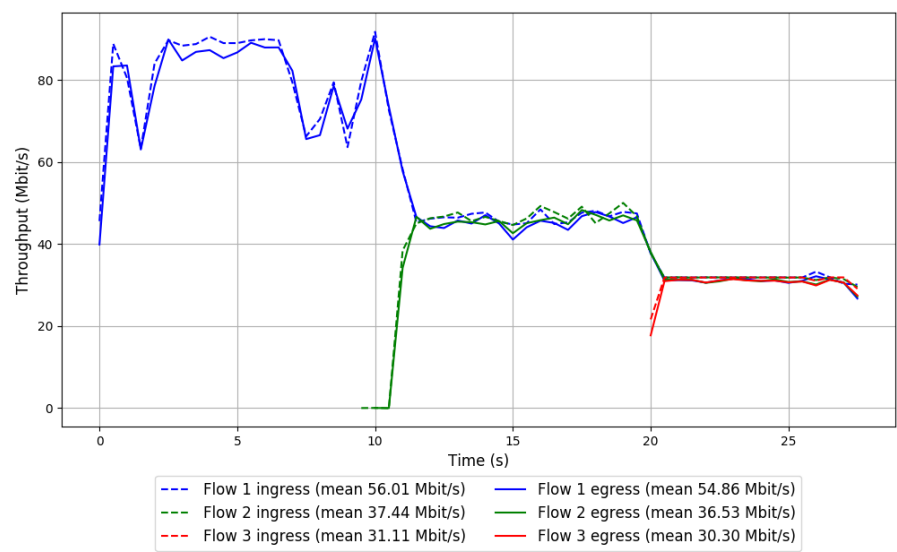


Run 4: Statistics of TaoVA-100x

Start at: 2017-11-30 18:55:12
End at: 2017-11-30 18:55:42
Local clock offset: 0.458 ms
Remote clock offset: -1.796 ms

Below is generated by plot.py at 2017-12-01 00:38:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 60.764 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 60.502 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 60.852 ms
Loss rate: 2.83%
-- Flow 3:
Average throughput: 30.30 Mbit/s
95th percentile per-packet one-way delay: 60.995 ms
Loss rate: 3.52%

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

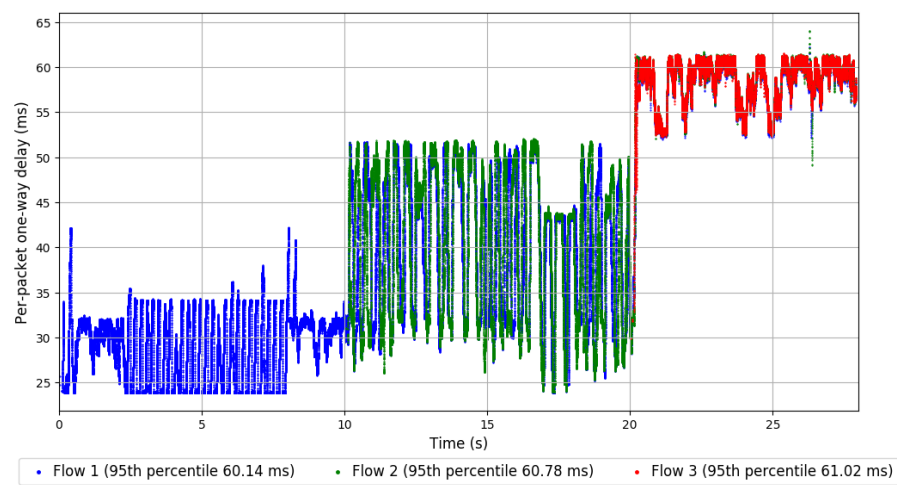
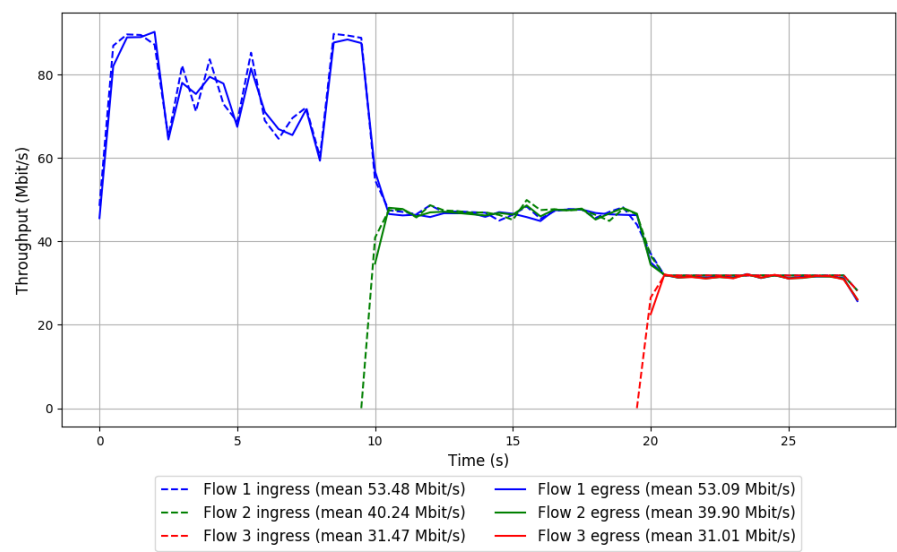


Run 5: Statistics of TaoVA-100x

Start at: 2017-11-30 19:15:48
End at: 2017-11-30 19:16:18
Local clock offset: 0.53 ms
Remote clock offset: -1.662 ms

Below is generated by plot.py at 2017-12-01 00:38:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 60.650 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 53.09 Mbit/s
95th percentile per-packet one-way delay: 60.140 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 60.779 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 61.022 ms
Loss rate: 2.22%

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

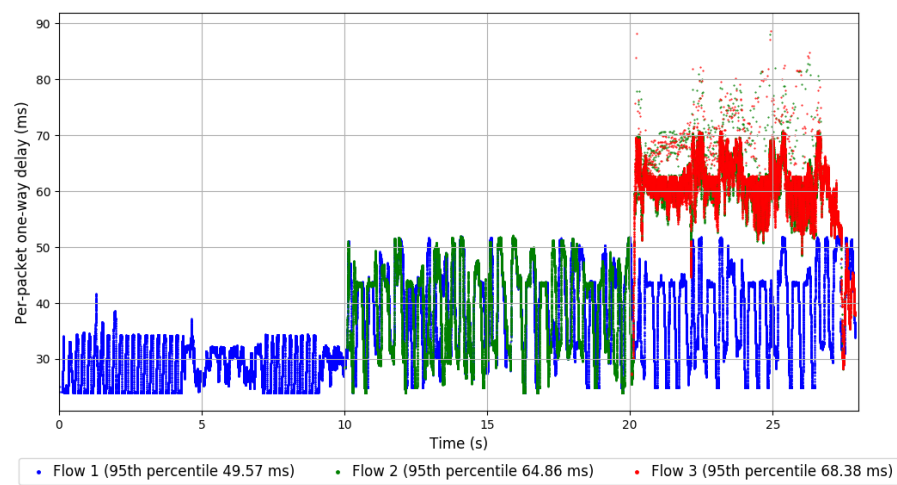
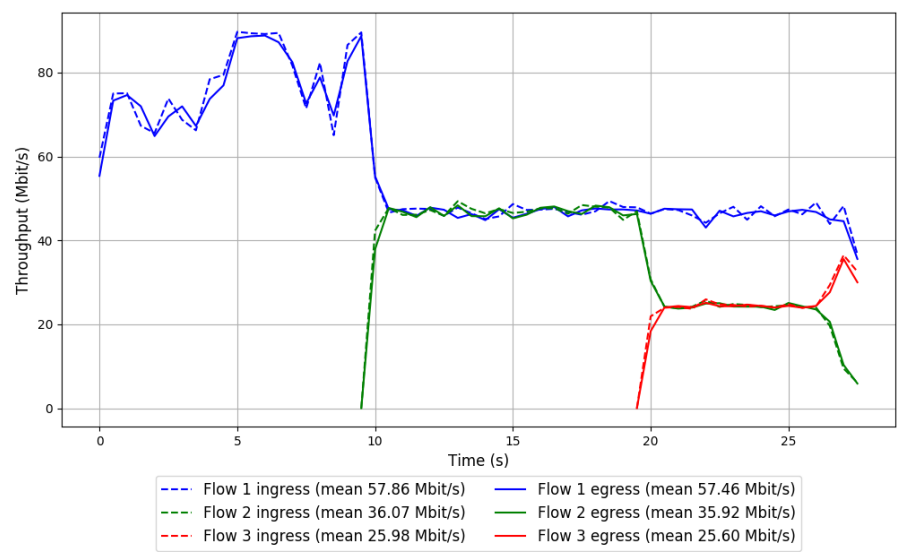


Run 6: Statistics of TaoVA-100x

Start at: 2017-11-30 19:35:48
End at: 2017-11-30 19:36:18
Local clock offset: 0.691 ms
Remote clock offset: -1.563 ms

Below is generated by plot.py at 2017-12-01 00:38:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.79 Mbit/s
95th percentile per-packet one-way delay: 62.469 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 57.46 Mbit/s
95th percentile per-packet one-way delay: 49.568 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 64.861 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 68.380 ms
Loss rate: 2.29%

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

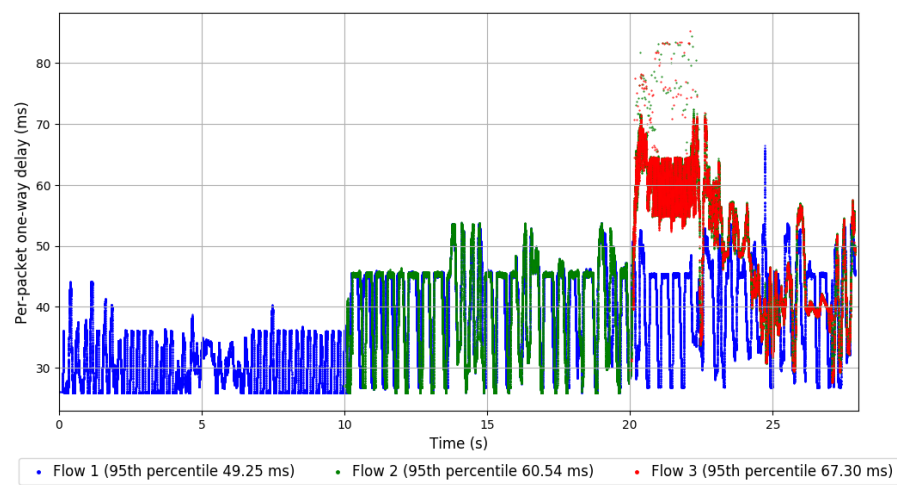
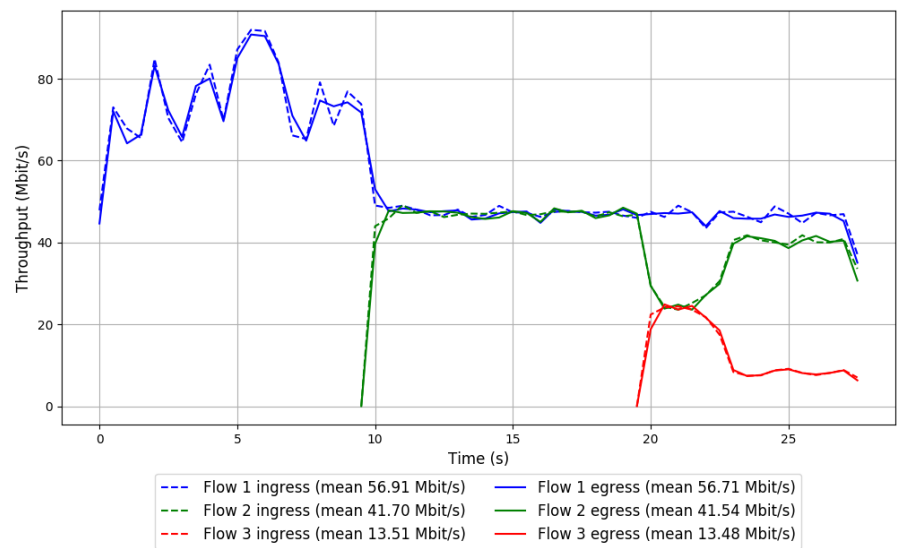


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-30 19:56:11
End at: 2017-11-30 19:56:41
Local clock offset: 0.635 ms
Remote clock offset: -3.766 ms

Below is generated by plot.py at 2017-12-01 00:38:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 56.444 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 49.247 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 60.536 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 67.295 ms
Loss rate: 0.99%

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

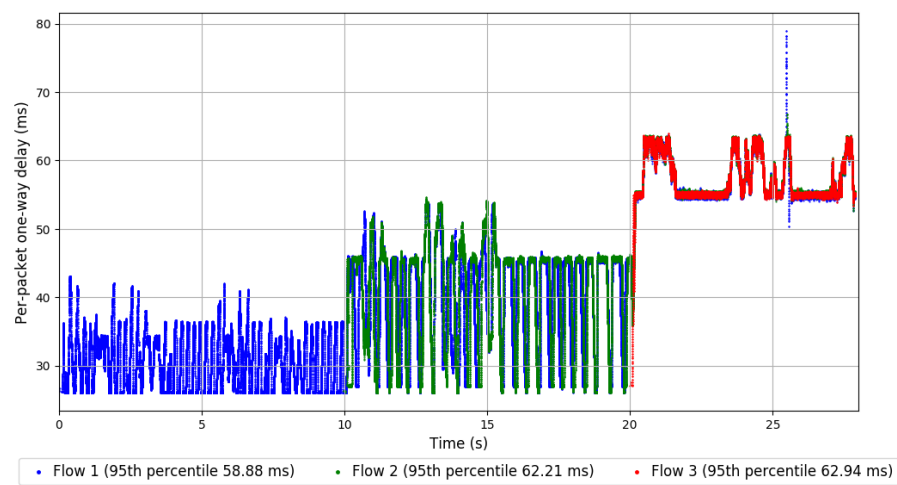
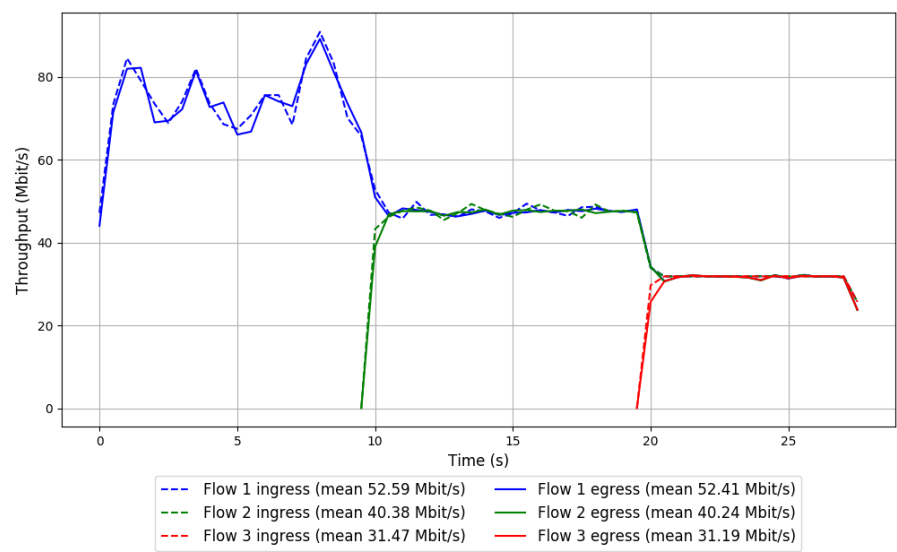


Run 8: Statistics of TaoVA-100x

Start at: 2017-11-30 20:16:01
End at: 2017-11-30 20:16:31
Local clock offset: 0.609 ms
Remote clock offset: -3.912 ms

Below is generated by plot.py at 2017-12-01 00:38:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 61.896 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 52.41 Mbit/s
95th percentile per-packet one-way delay: 58.881 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: 62.211 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 62.939 ms
Loss rate: 1.73%

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

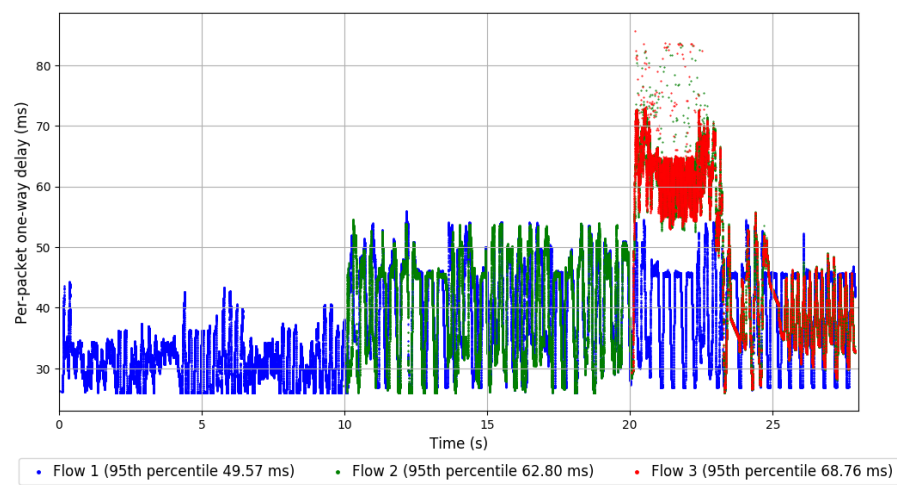
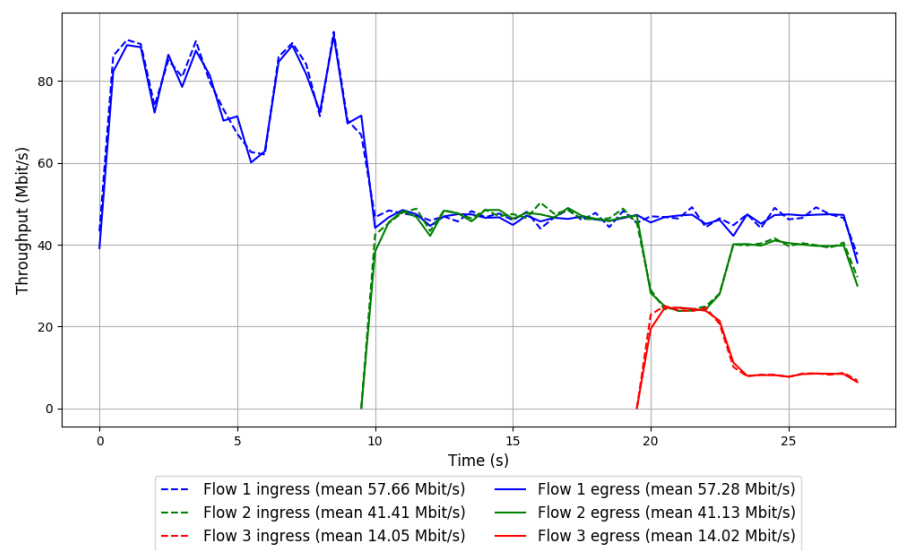


Run 9: Statistics of TaoVA-100x

Start at: 2017-11-30 20:35:13
End at: 2017-11-30 20:35:43
Local clock offset: 0.653 ms
Remote clock offset: -3.725 ms

Below is generated by plot.py at 2017-12-01 00:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 57.705 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 49.572 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 41.13 Mbit/s
95th percentile per-packet one-way delay: 62.802 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 14.02 Mbit/s
95th percentile per-packet one-way delay: 68.756 ms
Loss rate: 1.07%

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

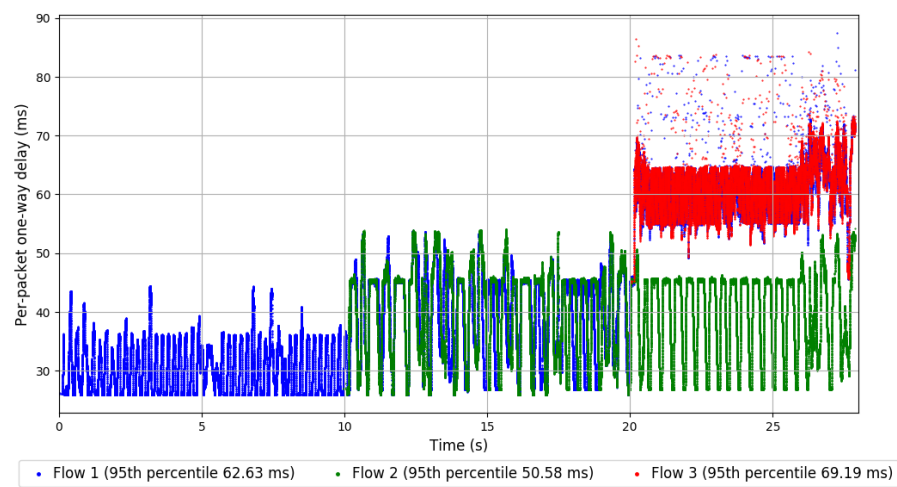
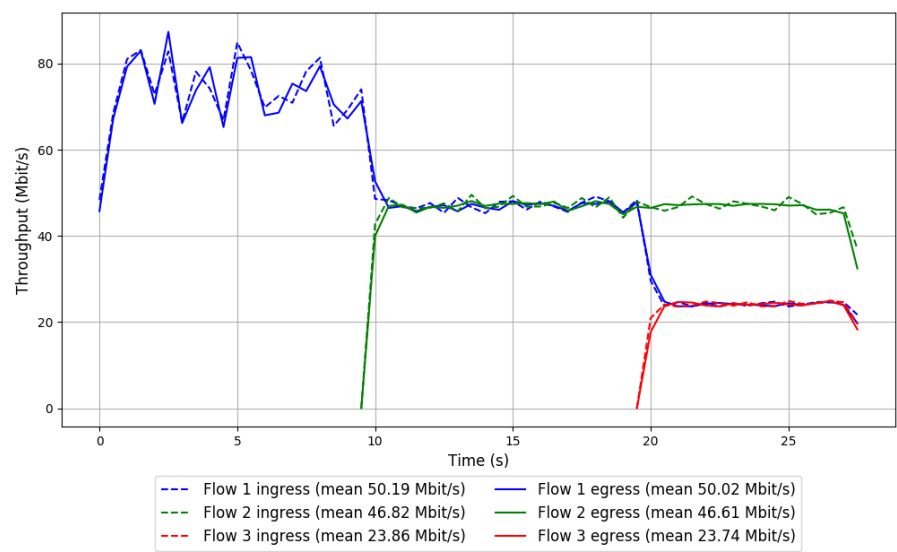


Run 10: Statistics of TaoVA-100x

Start at: 2017-11-30 20:54:39
End at: 2017-11-30 20:55:09
Local clock offset: 0.214 ms
Remote clock offset: -3.719 ms

Below is generated by plot.py at 2017-12-01 00:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.71 Mbit/s
95th percentile per-packet one-way delay: 63.311 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: 62.632 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 46.61 Mbit/s
95th percentile per-packet one-way delay: 50.578 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 69.185 ms
Loss rate: 1.47%

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

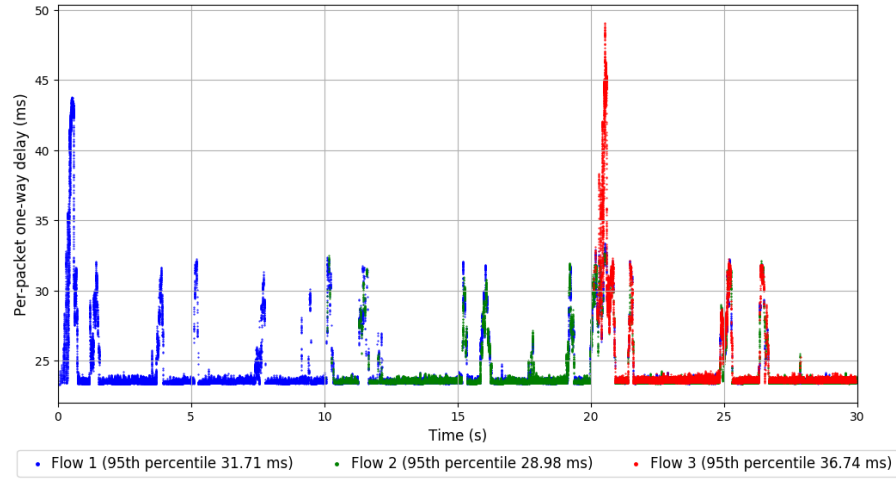
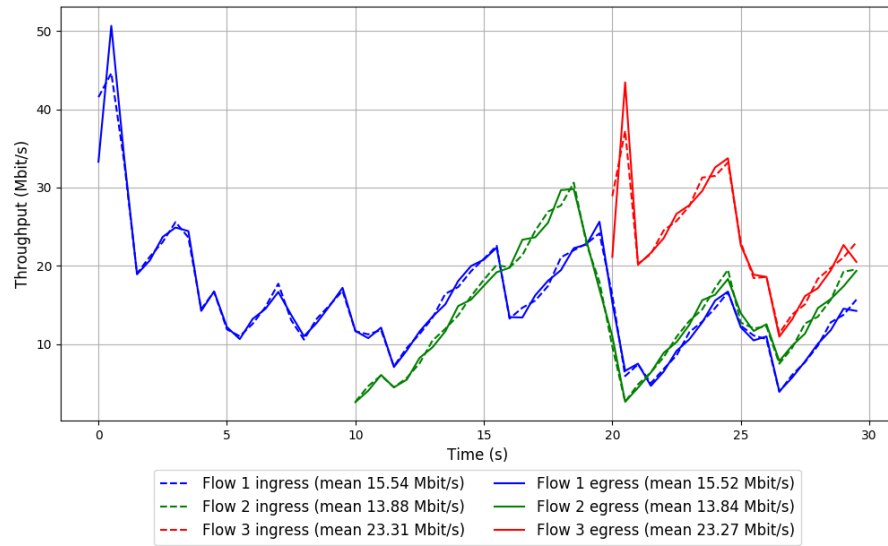


Run 1: Statistics of TCP Vegas

Start at: 2017-11-30 18:09:05
End at: 2017-11-30 18:09:35
Local clock offset: 0.429 ms
Remote clock offset: -4.965 ms

Below is generated by plot.py at 2017-12-01 00:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.41 Mbit/s
95th percentile per-packet one-way delay: 31.457 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 31.708 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 28.978 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 36.739 ms
Loss rate: 0.87%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

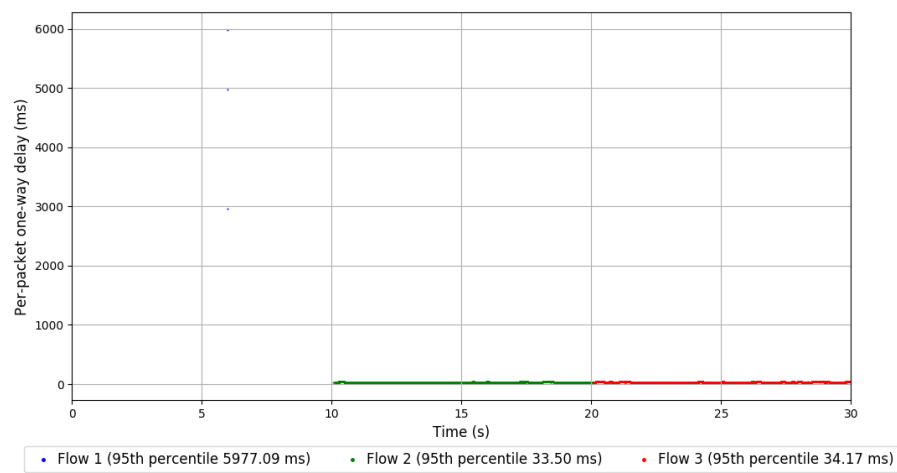
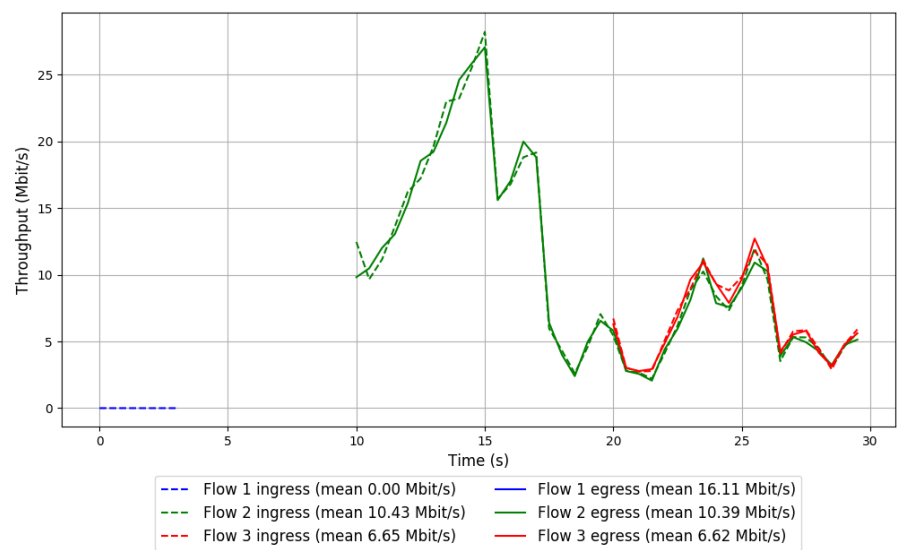
Start at: 2017-11-30 18:28:44

End at: 2017-11-30 18:29:14

Local clock offset: 0.429 ms

Remote clock offset: -5.959 ms

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-11-30 18:49:07

End at: 2017-11-30 18:49:37

Local clock offset: 0.532 ms

Remote clock offset: -1.48 ms

Below is generated by plot.py at 2017-12-01 00:40:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 39.973 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 17.59 Mbit/s

95th percentile per-packet one-way delay: 4830.746 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 42.363 ms

Loss rate: 1.31%

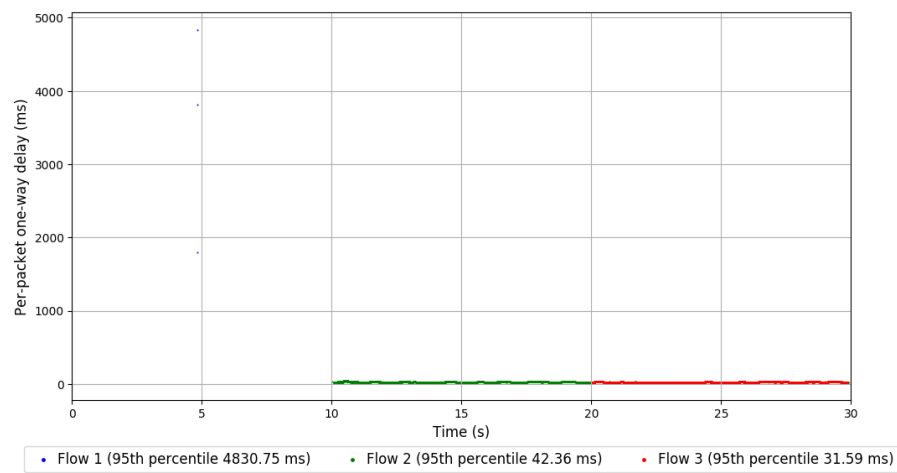
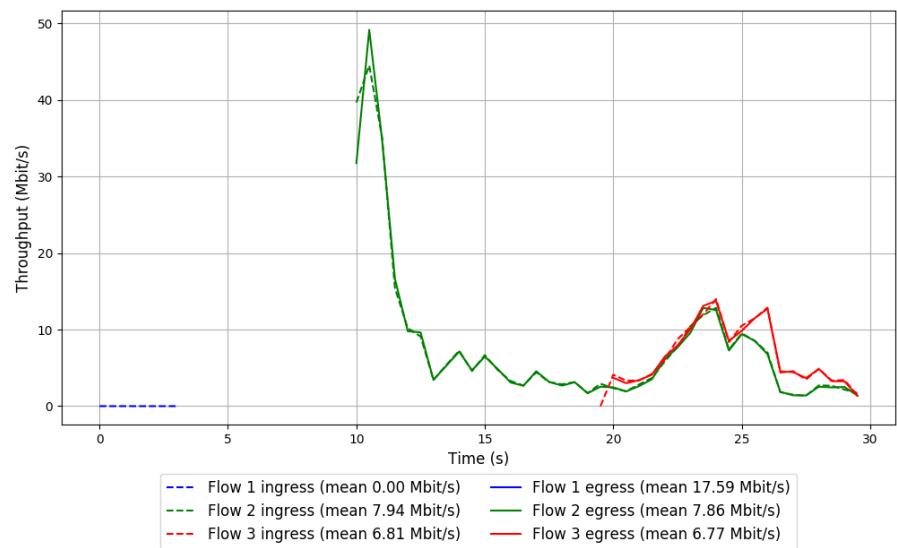
-- Flow 3:

Average throughput: 6.77 Mbit/s

95th percentile per-packet one-way delay: 31.593 ms

Loss rate: 1.12%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

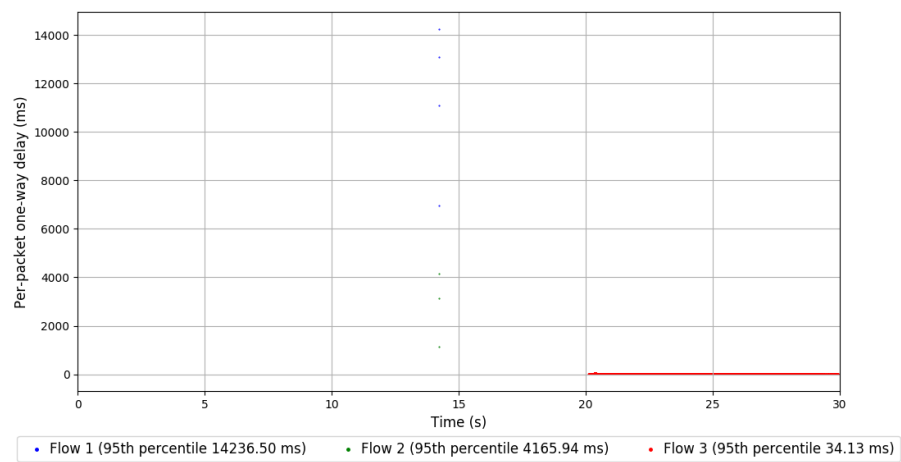
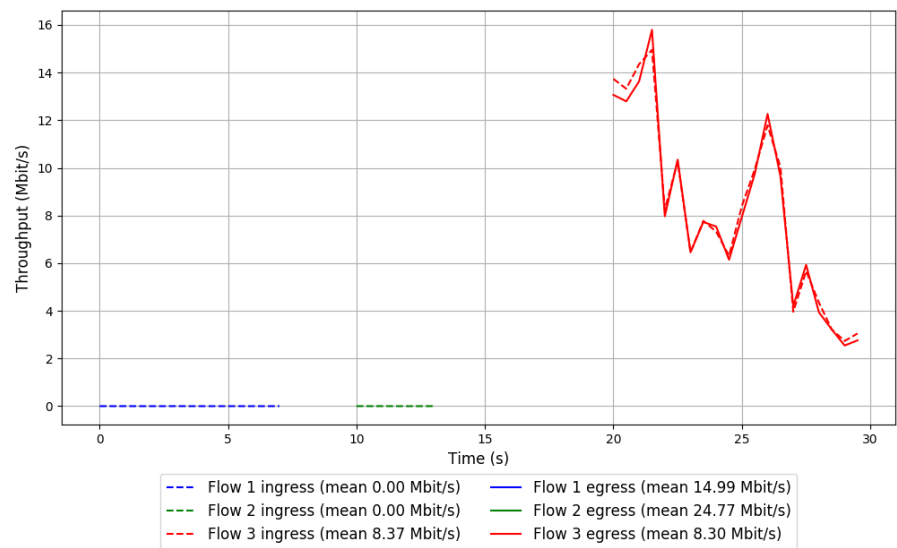
Start at: 2017-11-30 19:10:06

End at: 2017-11-30 19:10:36

Local clock offset: 0.582 ms

Remote clock offset: -3.739 ms

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

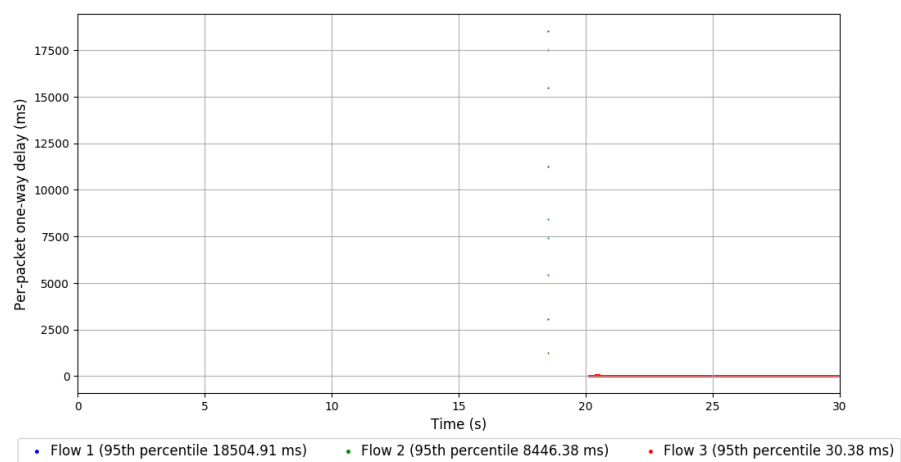
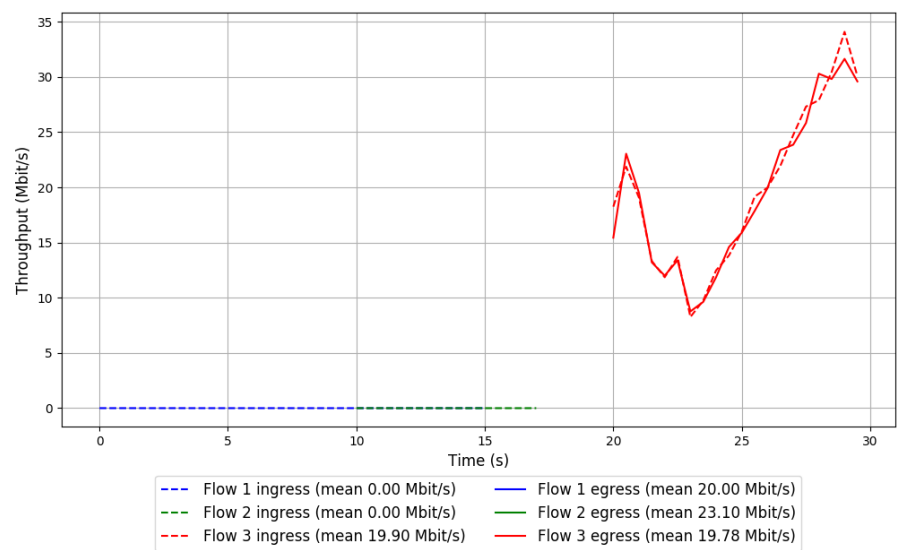
Start at: 2017-11-30 19:30:08

End at: 2017-11-30 19:30:38

Local clock offset: 0.534 ms

Remote clock offset: -1.521 ms

Run 5: Report of TCP Vegas — Data Link

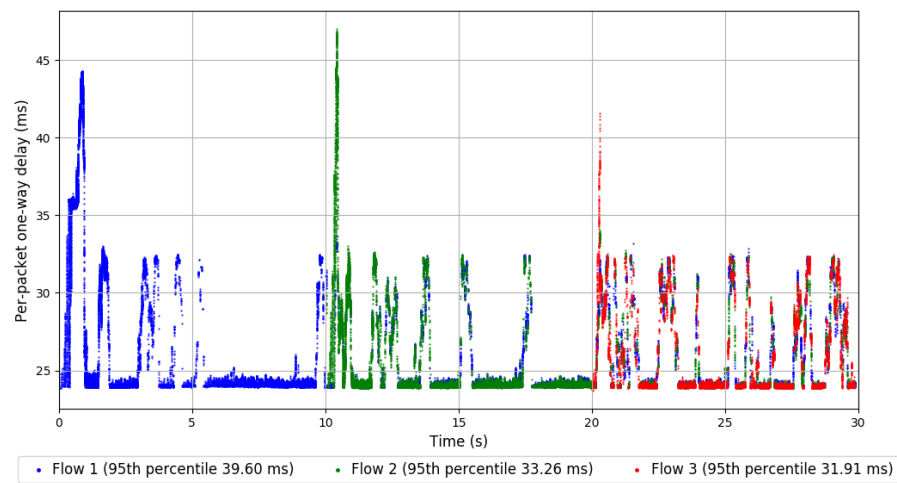
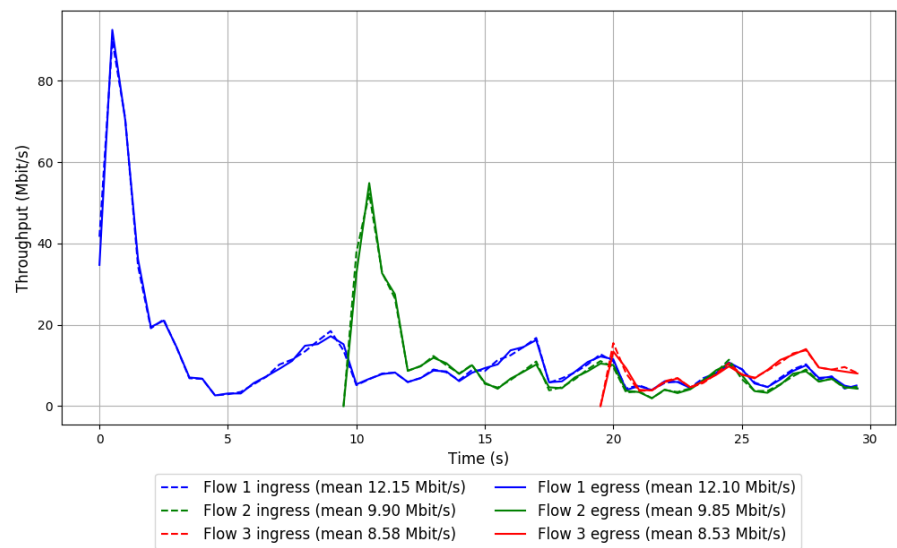


Run 6: Statistics of TCP Vegas

Start at: 2017-11-30 19:50:33
End at: 2017-11-30 19:51:03
Local clock offset: 0.714 ms
Remote clock offset: -1.614 ms

Below is generated by plot.py at 2017-12-01 00:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.47 Mbit/s
95th percentile per-packet one-way delay: 36.615 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 39.598 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 9.85 Mbit/s
95th percentile per-packet one-way delay: 33.260 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 31.913 ms
Loss rate: 1.21%

Run 6: Report of TCP Vegas — Data Link

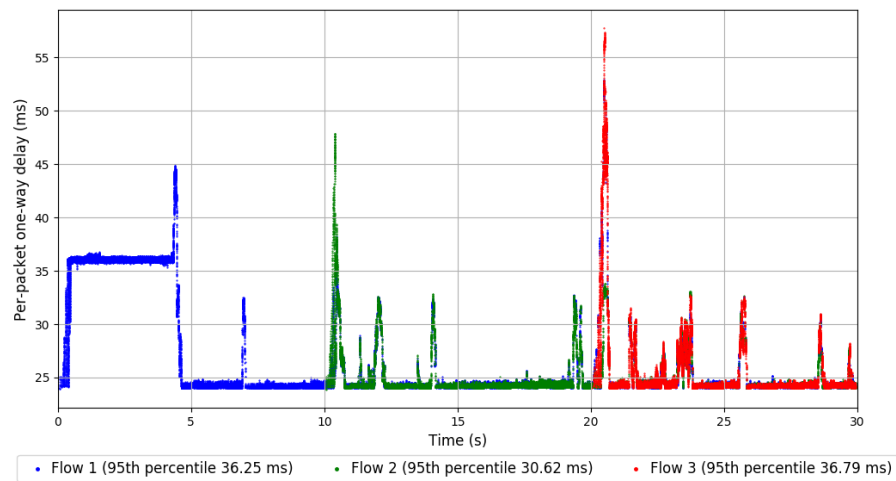
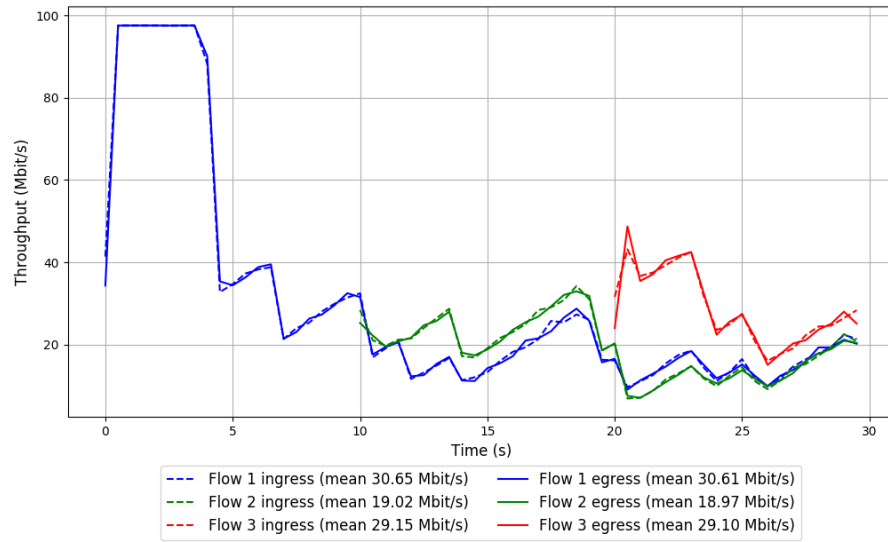


Run 7: Statistics of TCP Vegas

Start at: 2017-11-30 20:10:27
End at: 2017-11-30 20:10:57
Local clock offset: 0.703 ms
Remote clock offset: -1.742 ms

Below is generated by plot.py at 2017-12-01 00:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 36.232 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 36.254 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 18.97 Mbit/s
95th percentile per-packet one-way delay: 30.624 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 36.786 ms
Loss rate: 0.70%

Run 7: Report of TCP Vegas — Data Link

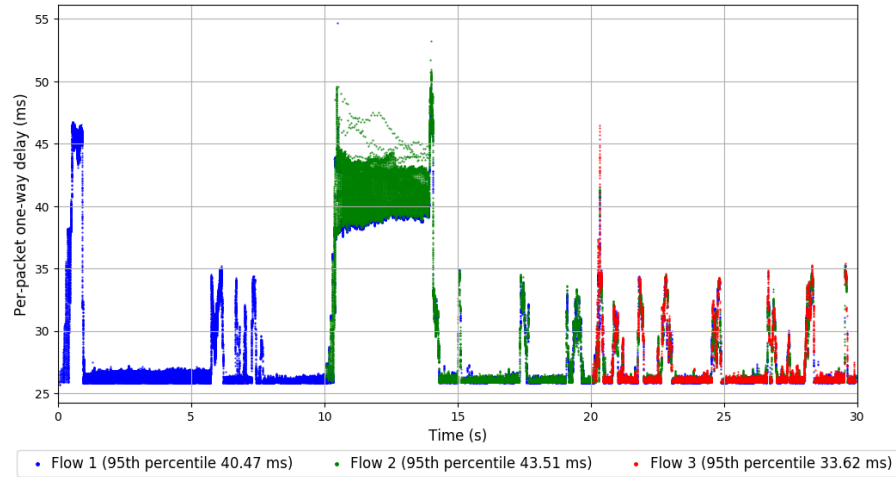
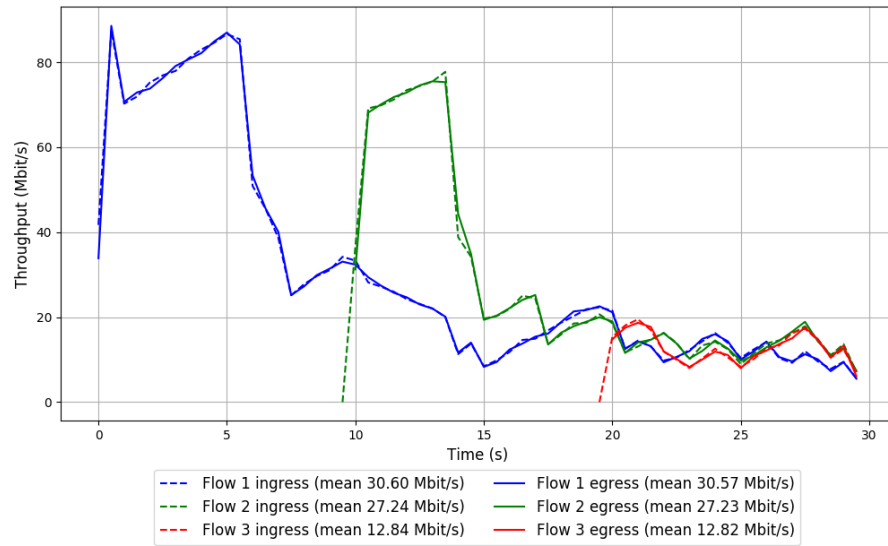


Run 8: Statistics of TCP Vegas

Start at: 2017-11-30 20:29:39
End at: 2017-11-30 20:30:09
Local clock offset: 0.663 ms
Remote clock offset: -3.609 ms

Below is generated by plot.py at 2017-12-01 00:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 43.201 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 40.471 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 43.512 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 33.616 ms
Loss rate: 0.69%

Run 8: Report of TCP Vegas — Data Link

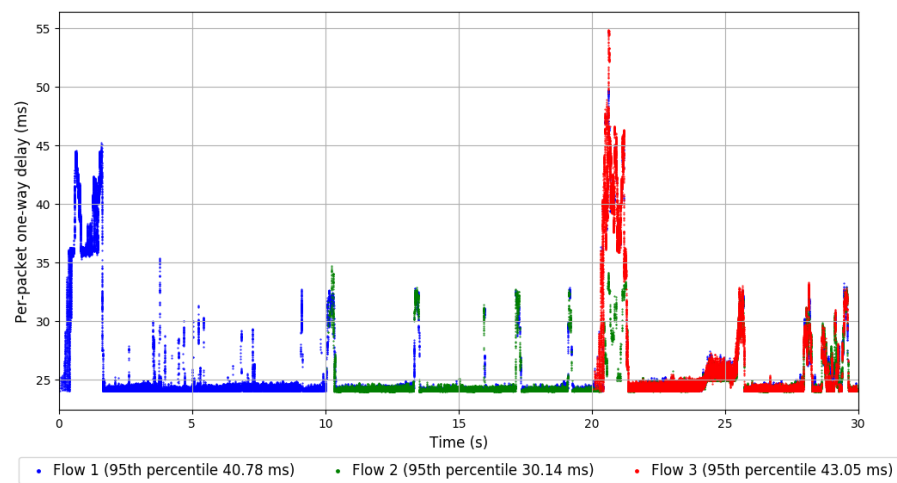
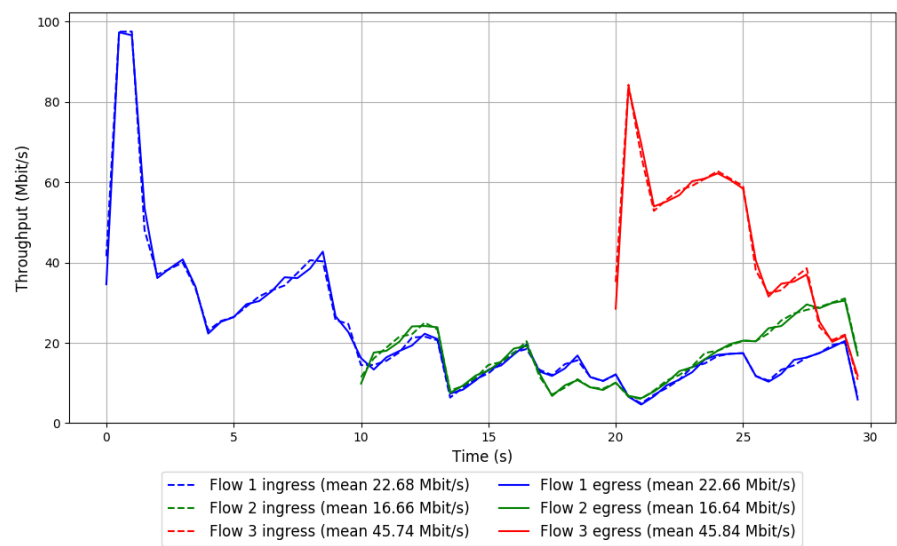


Run 9: Statistics of TCP Vegas

Start at: 2017-11-30 20:49:07
End at: 2017-11-30 20:49:37
Local clock offset: 0.431 ms
Remote clock offset: -1.608 ms

Below is generated by plot.py at 2017-12-01 00:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 40.665 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 40.776 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 30.137 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 43.054 ms
Loss rate: 0.31%

Run 9: Report of TCP Vegas — Data Link

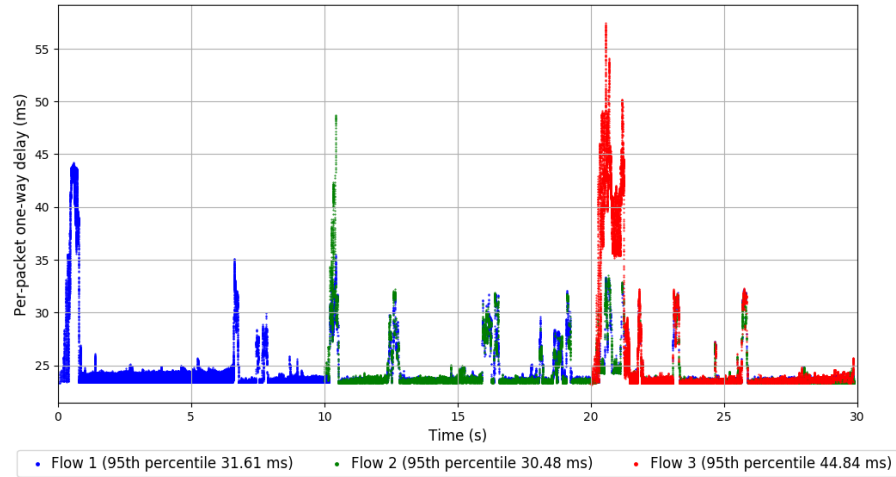
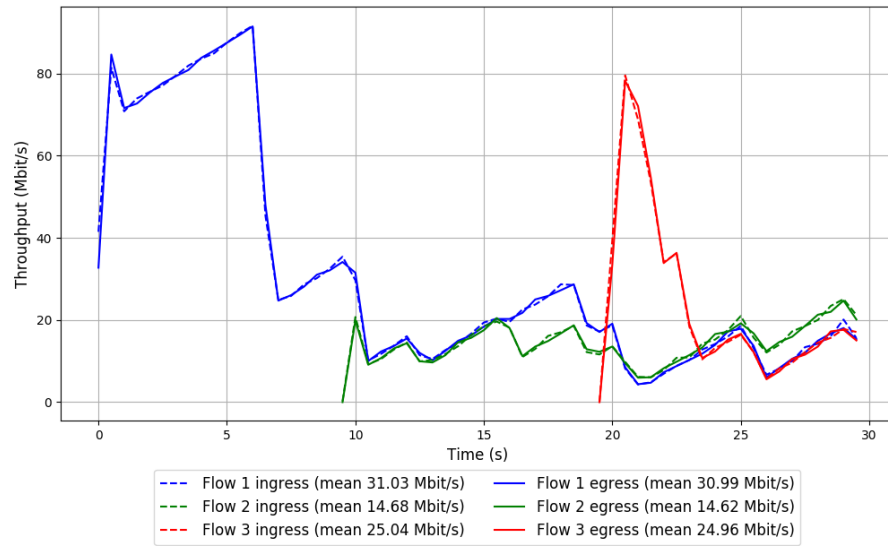


Run 10: Statistics of TCP Vegas

Start at: 2017-11-30 21:08:29
End at: 2017-11-30 21:08:59
Local clock offset: -0.068 ms
Remote clock offset: -1.079 ms

Below is generated by plot.py at 2017-12-01 00:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 38.685 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 31.609 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 30.477 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 44.843 ms
Loss rate: 0.85%

Run 10: Report of TCP Vegas — Data Link

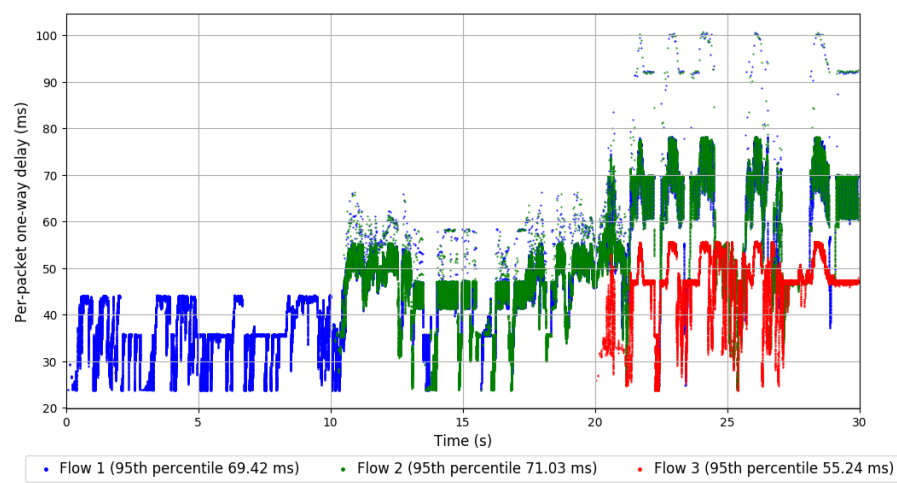
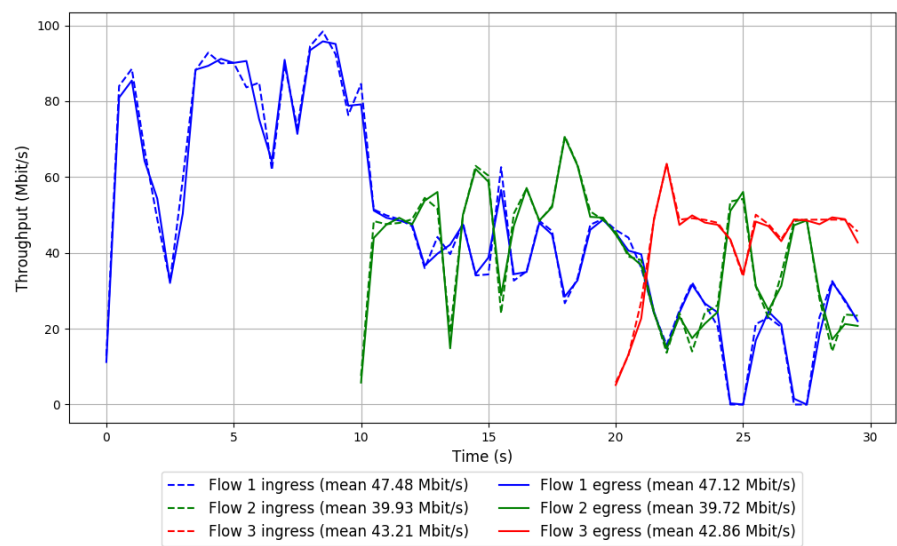


Run 1: Statistics of Verus

Start at: 2017-11-30 18:00:33
End at: 2017-11-30 18:01:03
Local clock offset: 0.458 ms
Remote clock offset: -5.756 ms

Below is generated by plot.py at 2017-12-01 00:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 69.525 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 69.420 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 71.029 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 42.86 Mbit/s
95th percentile per-packet one-way delay: 55.243 ms
Loss rate: 1.46%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-11-30 18:19:58

End at: 2017-11-30 18:20:28

Local clock offset: 0.526 ms

Remote clock offset: -6.85 ms

Below is generated by plot.py at 2017-12-01 00:40:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.86 Mbit/s

95th percentile per-packet one-way delay: 66.467 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 53.11 Mbit/s

95th percentile per-packet one-way delay: 65.155 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 39.18 Mbit/s

95th percentile per-packet one-way delay: 66.863 ms

Loss rate: 1.27%

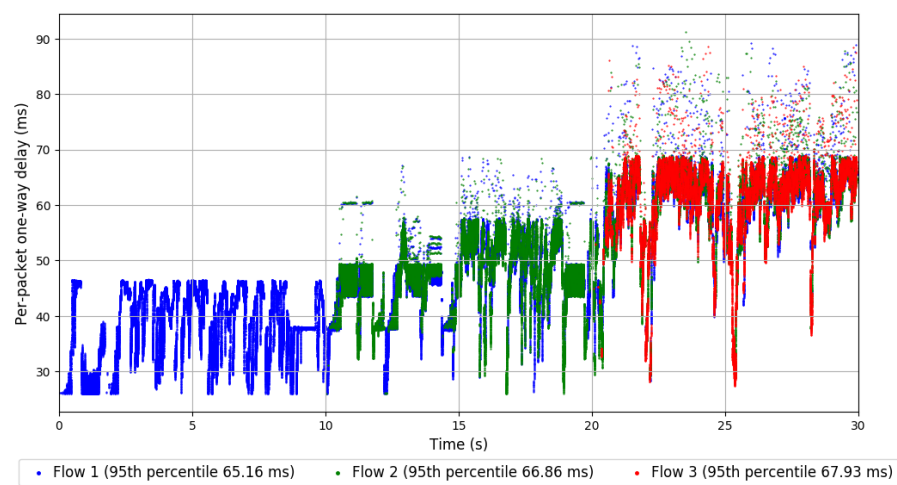
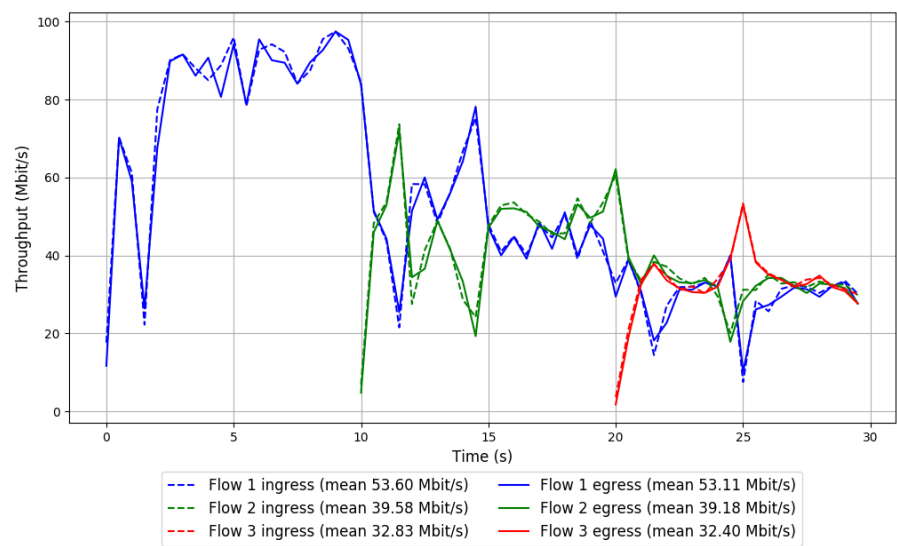
-- Flow 3:

Average throughput: 32.40 Mbit/s

95th percentile per-packet one-way delay: 67.931 ms

Loss rate: 2.11%

Run 2: Report of Verus — Data Link

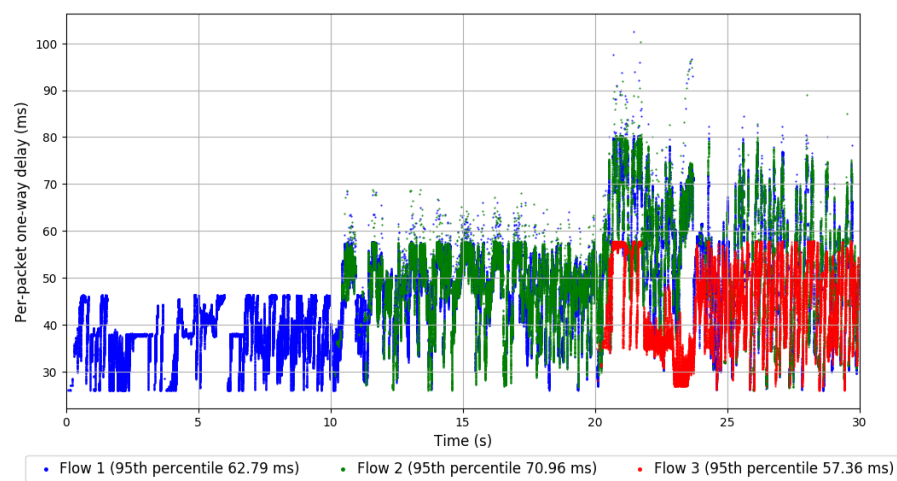
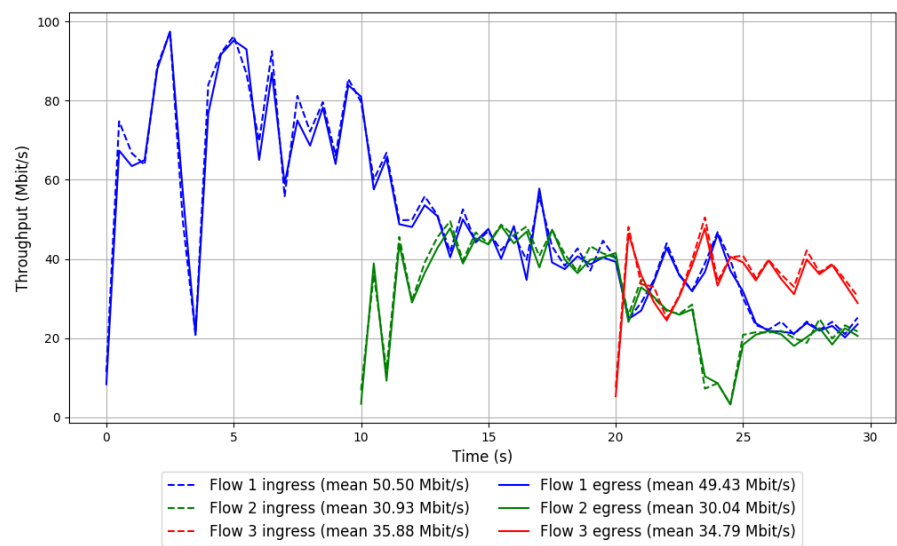


Run 3: Statistics of Verus

Start at: 2017-11-30 18:40:04
End at: 2017-11-30 18:40:34
Local clock offset: 0.414 ms
Remote clock offset: -4.65 ms

Below is generated by plot.py at 2017-12-01 00:40:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: 64.840 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 62.794 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 70.960 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 57.363 ms
Loss rate: 3.22%

Run 3: Report of Verus — Data Link

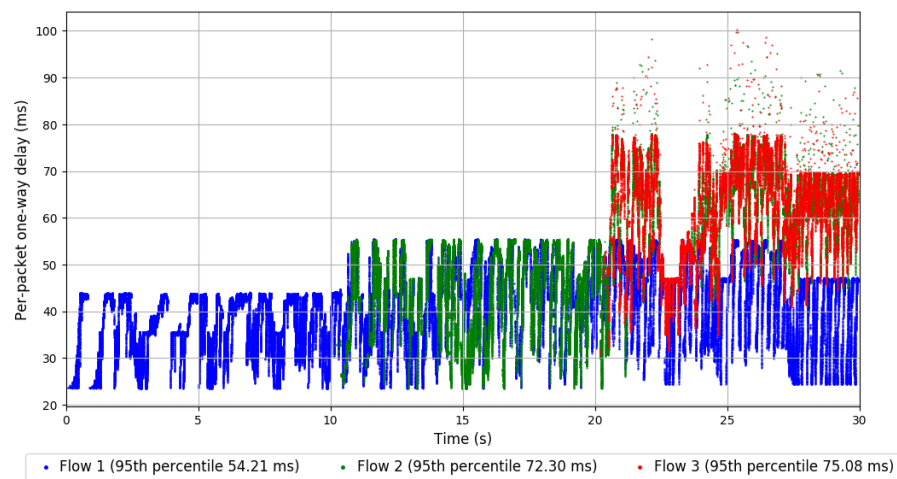
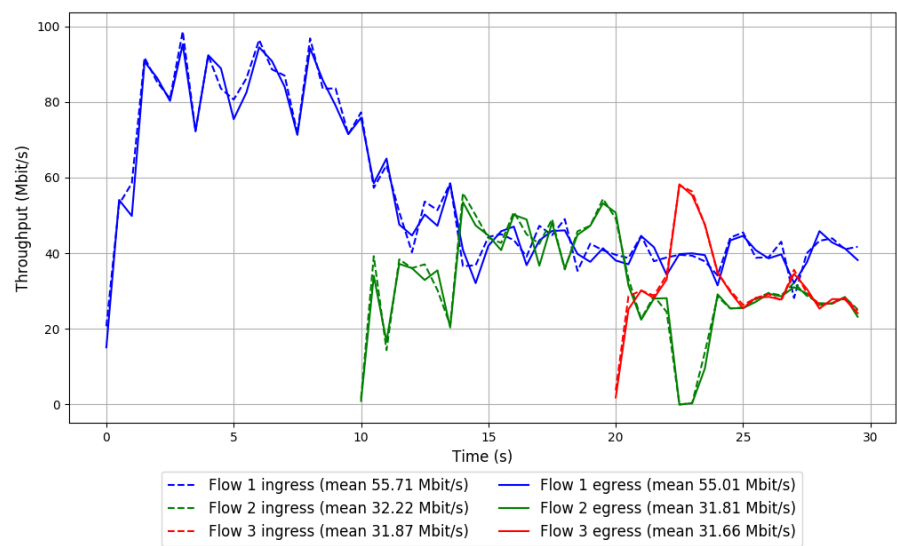


Run 4: Statistics of Verus

Start at: 2017-11-30 19:01:21
End at: 2017-11-30 19:01:51
Local clock offset: 0.481 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2017-12-01 00:40:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 68.578 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 55.01 Mbit/s
95th percentile per-packet one-way delay: 54.206 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 72.304 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 75.076 ms
Loss rate: 1.62%

Run 4: Report of Verus — Data Link

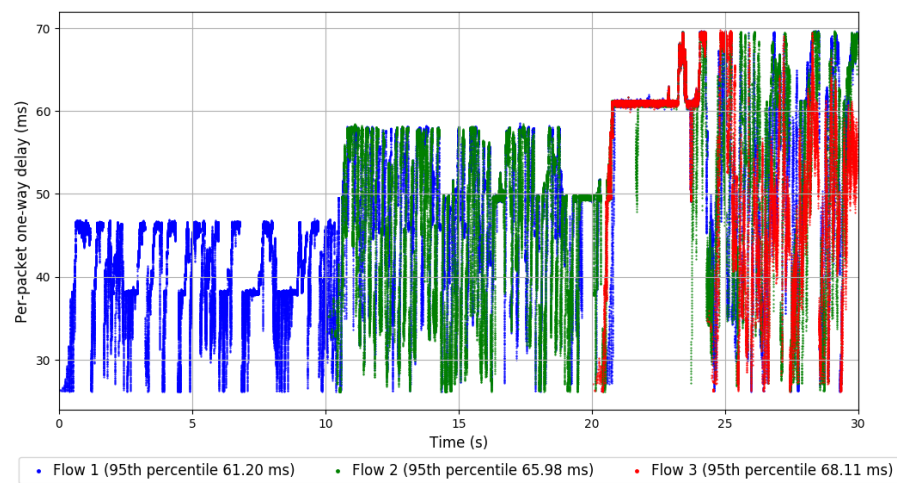
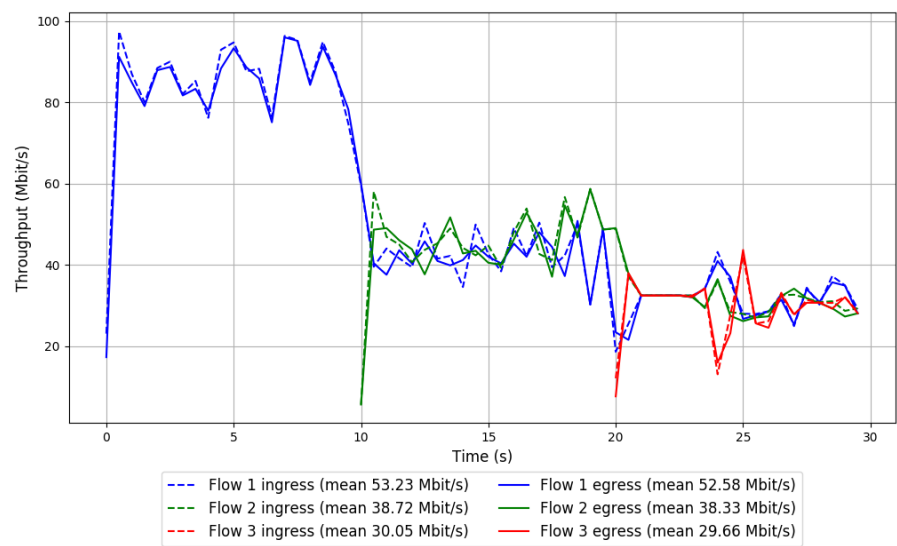


Run 5: Statistics of Verus

Start at: 2017-11-30 19:21:26
End at: 2017-11-30 19:21:56
Local clock offset: 0.655 ms
Remote clock offset: -3.791 ms

Below is generated by plot.py at 2017-12-01 00:40:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 64.553 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 61.196 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 65.979 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 68.109 ms
Loss rate: 1.42%

Run 5: Report of Verus — Data Link

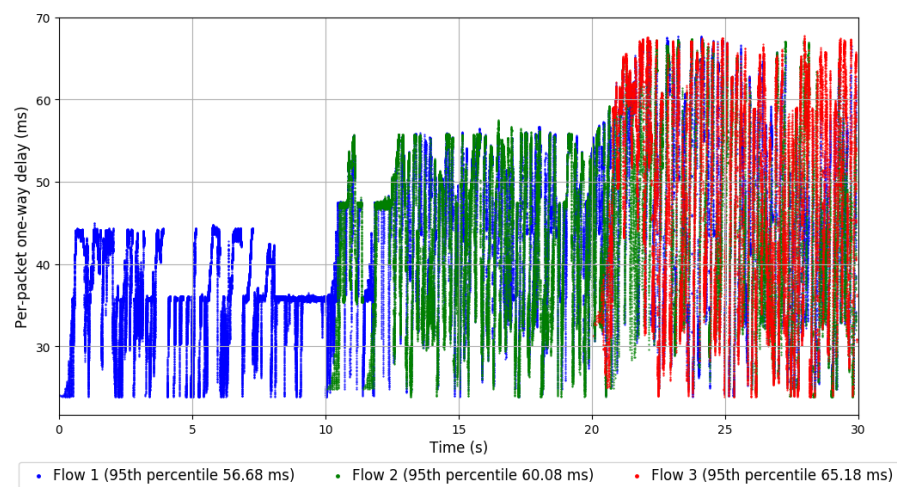
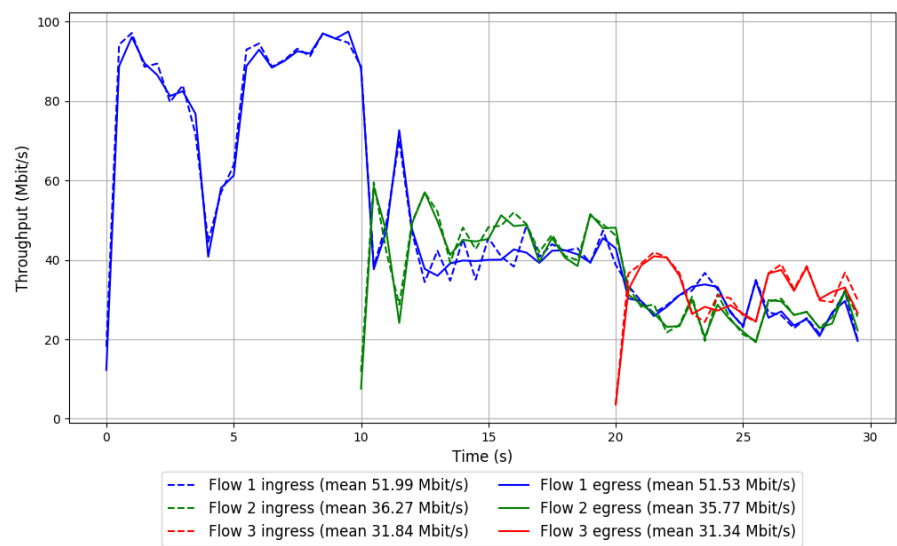


Run 6: Statistics of Verus

Start at: 2017-11-30 19:41:34
End at: 2017-11-30 19:42:04
Local clock offset: 0.614 ms
Remote clock offset: -1.637 ms

Below is generated by plot.py at 2017-12-01 00:40:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 61.074 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 51.53 Mbit/s
95th percentile per-packet one-way delay: 56.680 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 60.075 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 65.179 ms
Loss rate: 2.21%

Run 6: Report of Verus — Data Link

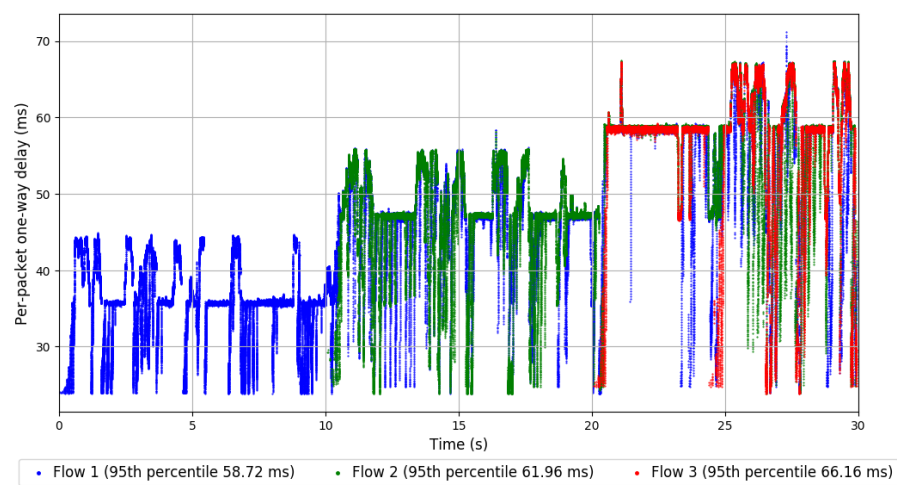
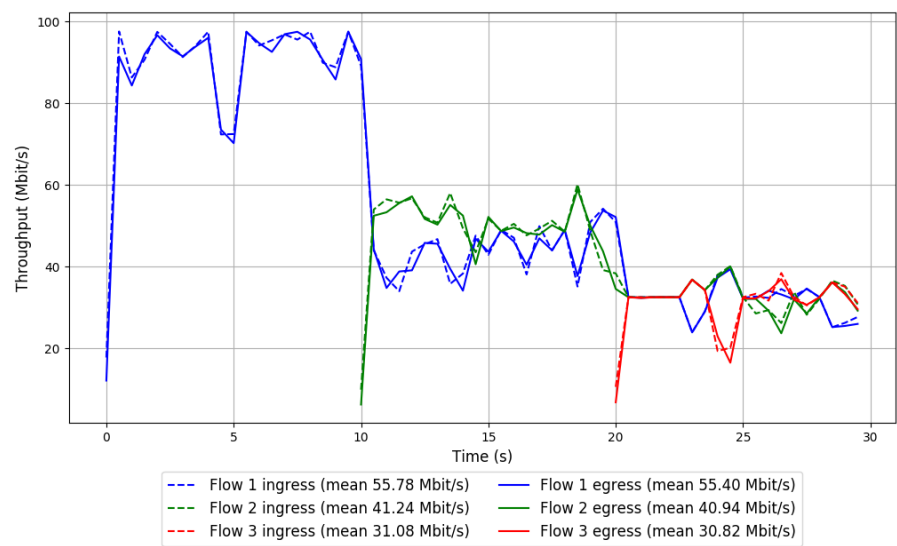


Run 7: Statistics of Verus

Start at: 2017-11-30 20:01:54
End at: 2017-11-30 20:02:24
Local clock offset: 0.682 ms
Remote clock offset: -1.632 ms

Below is generated by plot.py at 2017-12-01 00:41:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 61.855 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 58.717 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 61.961 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 66.155 ms
Loss rate: 1.39%

Run 7: Report of Verus — Data Link

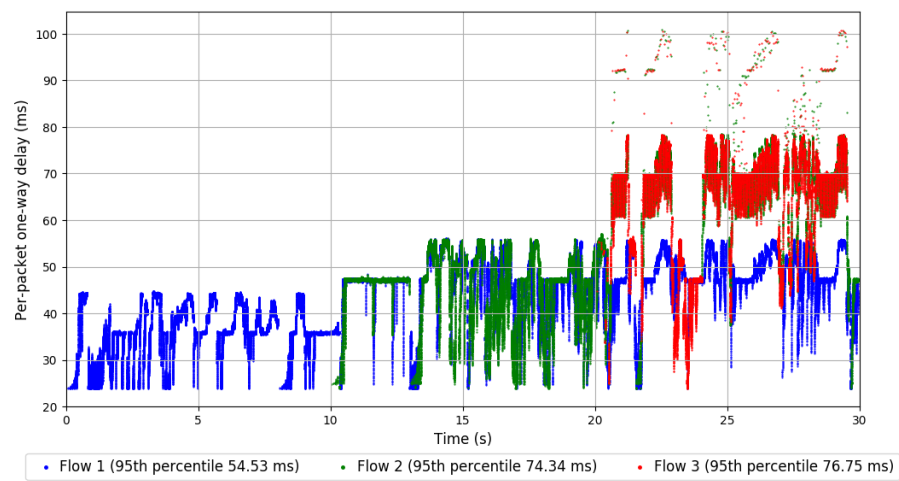
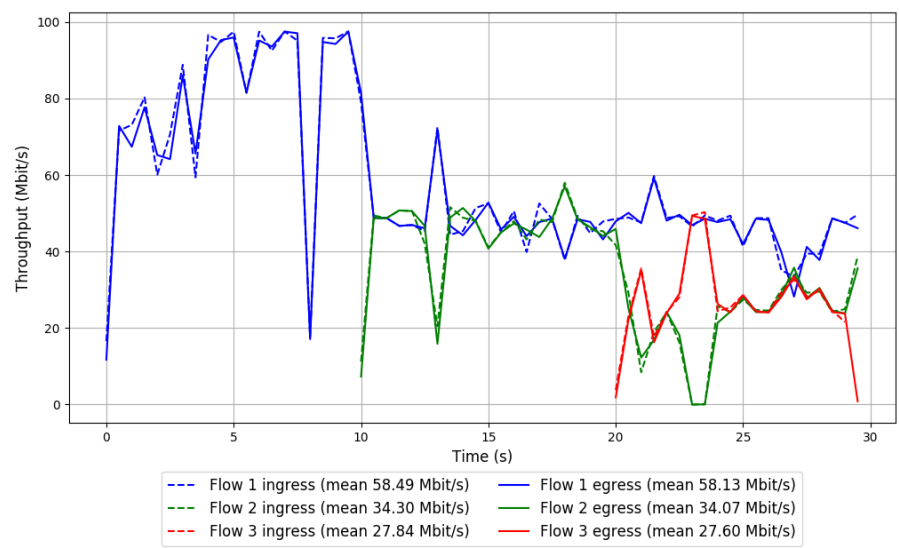


Run 8: Statistics of Verus

Start at: 2017-11-30 20:21:26
End at: 2017-11-30 20:21:56
Local clock offset: 0.637 ms
Remote clock offset: -1.721 ms

Below is generated by plot.py at 2017-12-01 00:41:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 70.428 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 54.528 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 74.338 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 27.60 Mbit/s
95th percentile per-packet one-way delay: 76.746 ms
Loss rate: 0.59%

Run 8: Report of Verus — Data Link

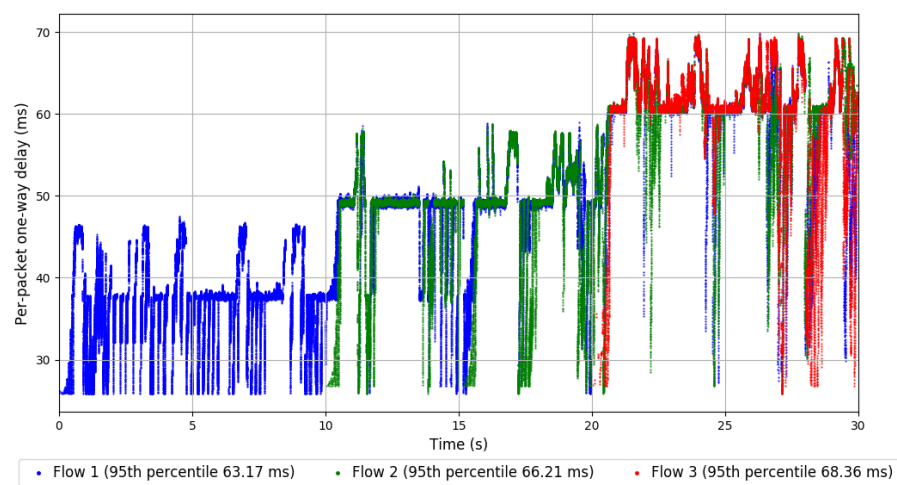
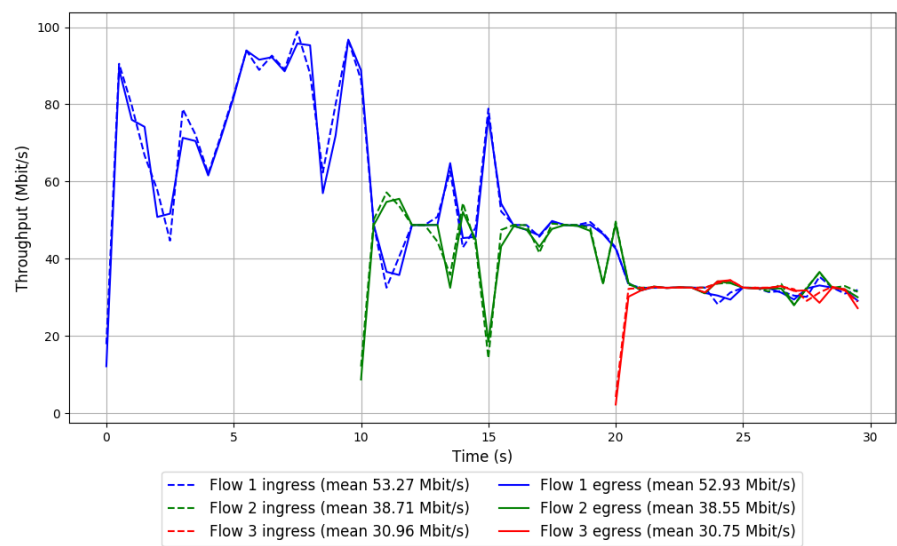


Run 9: Statistics of Verus

Start at: 2017-11-30 20:40:45
End at: 2017-11-30 20:41:15
Local clock offset: 0.489 ms
Remote clock offset: -3.579 ms

Below is generated by plot.py at 2017-12-01 00:41:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 65.894 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 52.93 Mbit/s
95th percentile per-packet one-way delay: 63.174 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 66.214 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 68.364 ms
Loss rate: 1.18%

Run 9: Report of Verus — Data Link

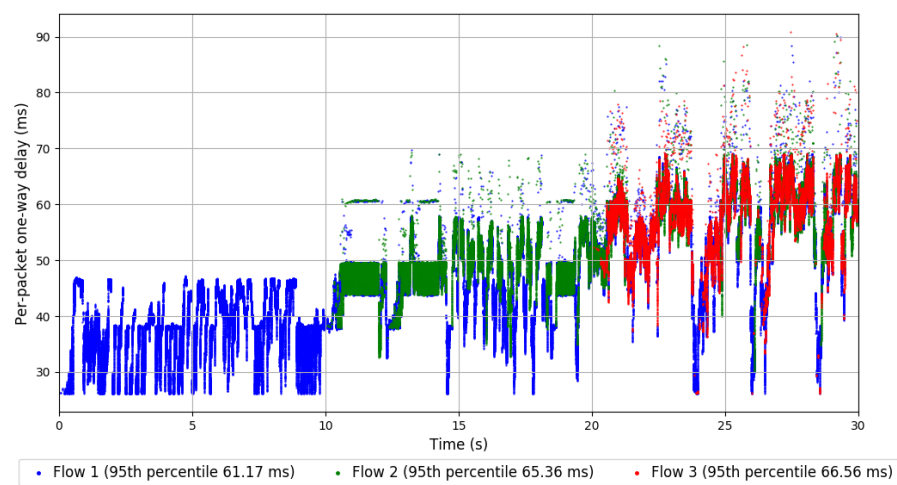
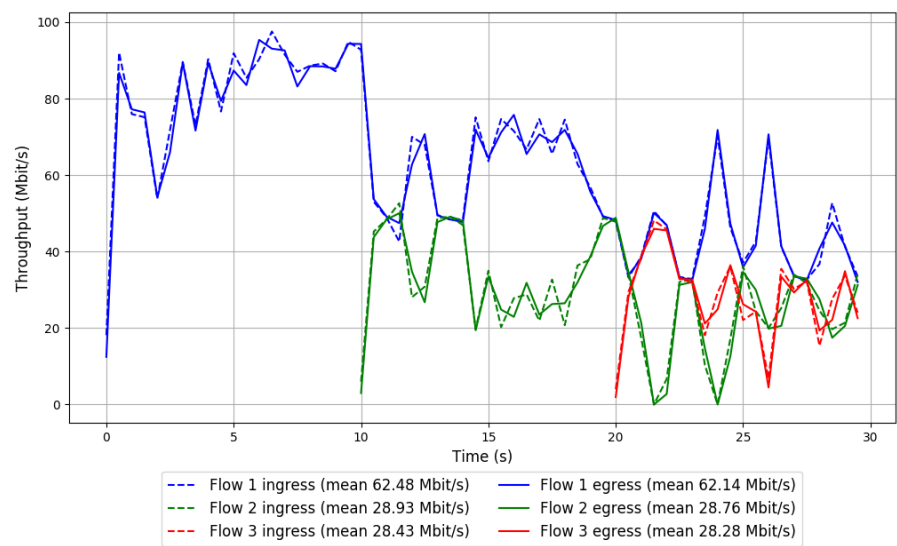


Run 10: Statistics of Verus

Start at: 2017-11-30 21:00:09
End at: 2017-11-30 21:00:39
Local clock offset: 0.206 ms
Remote clock offset: -3.731 ms

Below is generated by plot.py at 2017-12-01 00:41:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 64.073 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 62.14 Mbit/s
95th percentile per-packet one-way delay: 61.166 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 65.362 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 28.28 Mbit/s
95th percentile per-packet one-way delay: 66.555 ms
Loss rate: 1.47%

Run 10: Report of Verus — Data Link

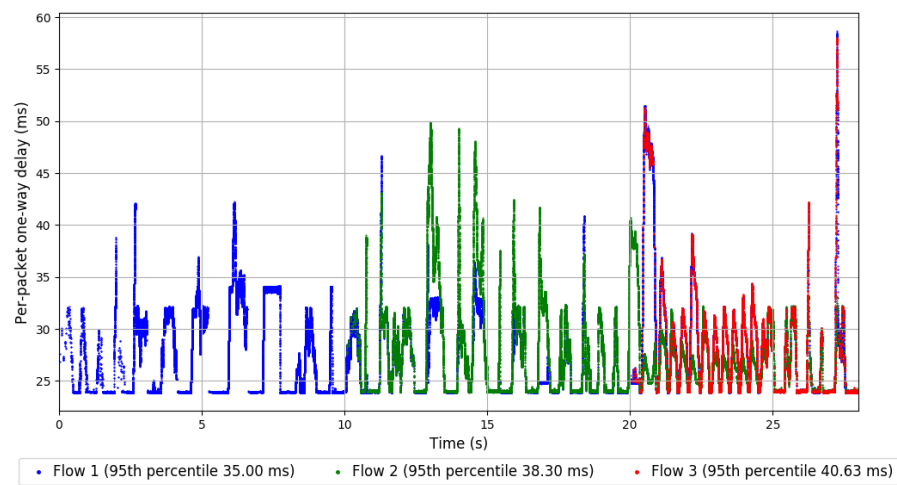
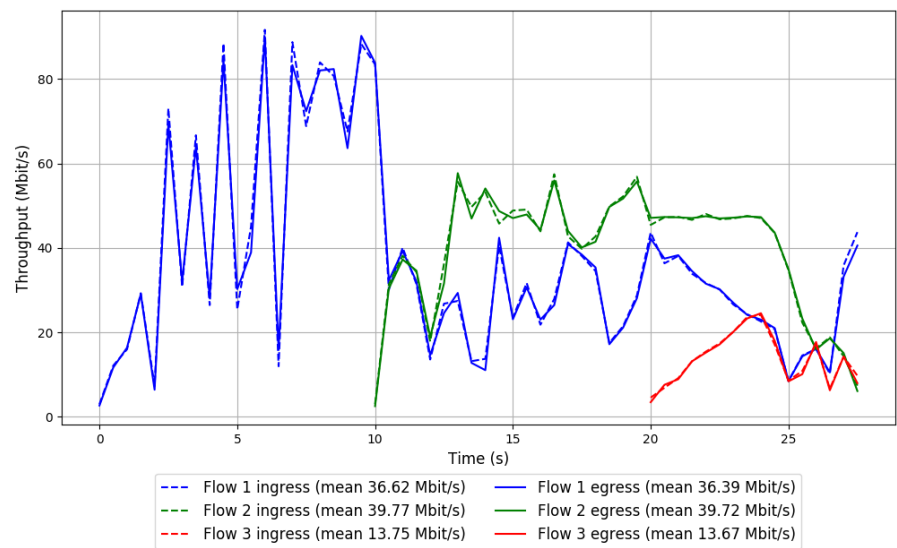


Run 1: Statistics of Copa

Start at: 2017-11-30 17:52:12
End at: 2017-11-30 17:52:42
Local clock offset: 0.372 ms
Remote clock offset: -6.005 ms

Below is generated by plot.py at 2017-12-01 00:41:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 36.909 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 34.997 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 38.299 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 13.67 Mbit/s
95th percentile per-packet one-way delay: 40.631 ms
Loss rate: 1.24%

Run 1: Report of Copa — Data Link

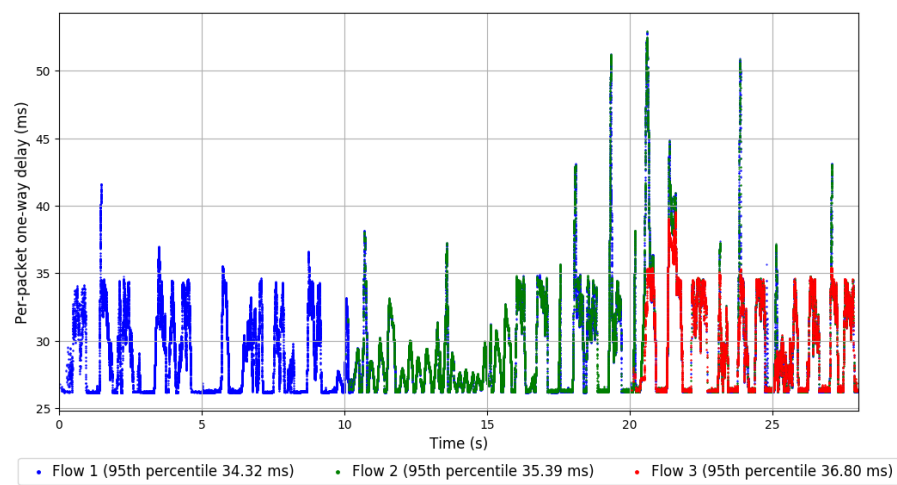
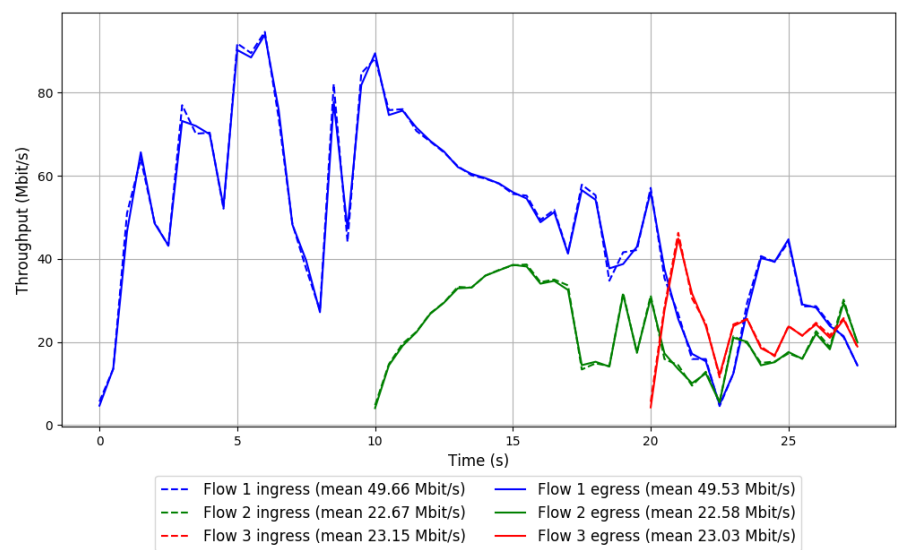


Run 2: Statistics of Copa

Start at: 2017-11-30 18:11:42
End at: 2017-11-30 18:12:12
Local clock offset: 0.541 ms
Remote clock offset: -7.472 ms

Below is generated by plot.py at 2017-12-01 00:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.52 Mbit/s
95th percentile per-packet one-way delay: 34.510 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 34.316 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 35.386 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 36.803 ms
Loss rate: 1.17%

Run 2: Report of Copa — Data Link

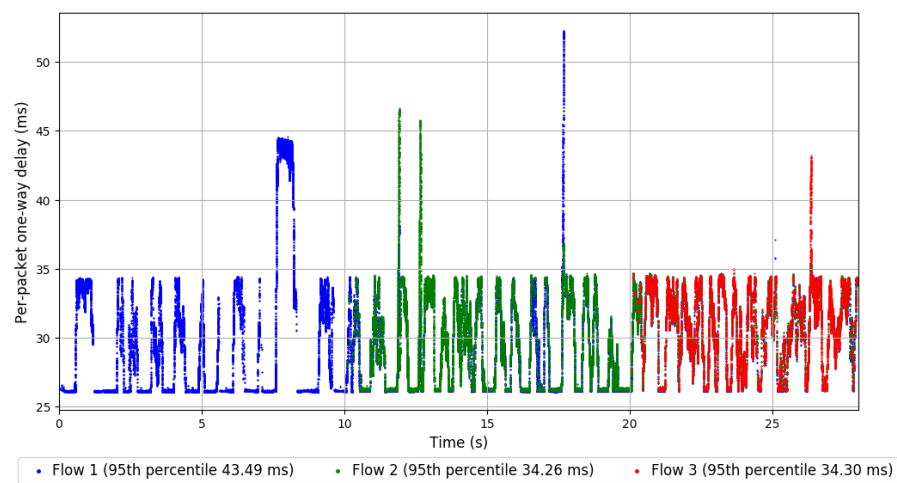
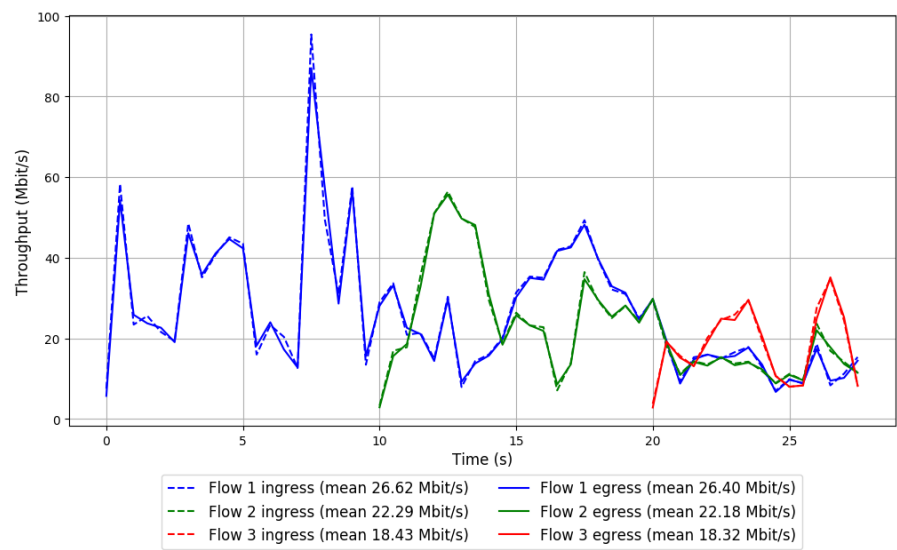


Run 3: Statistics of Copa

Start at: 2017-11-30 18:31:20
End at: 2017-11-30 18:31:50
Local clock offset: 0.511 ms
Remote clock offset: -5.658 ms

Below is generated by plot.py at 2017-12-01 00:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 36.686 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 43.492 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 34.257 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 34.295 ms
Loss rate: 1.25%

Run 3: Report of Copa — Data Link

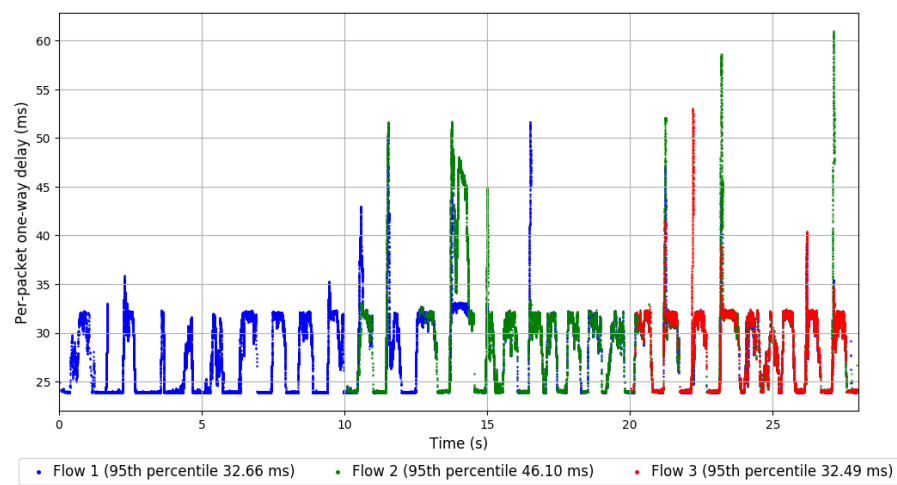
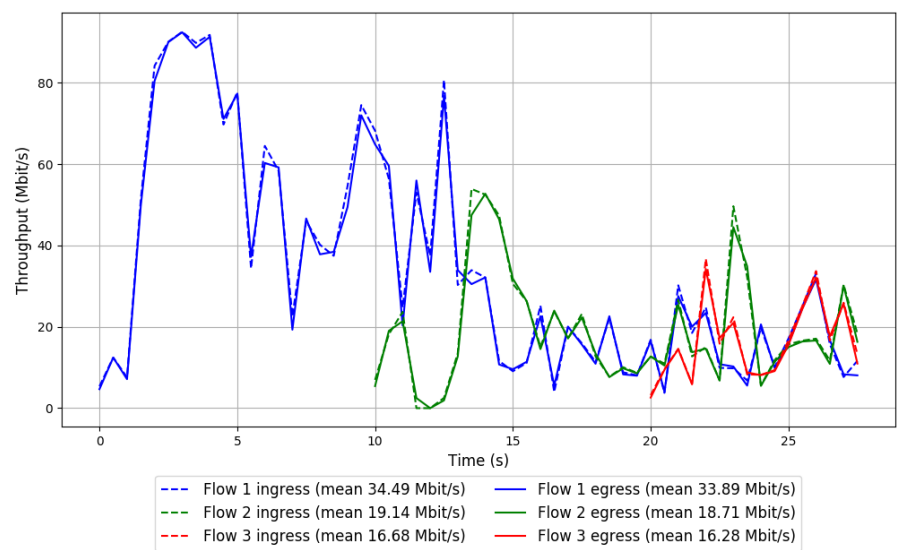


Run 4: Statistics of Copa

Start at: 2017-11-30 18:51:46
End at: 2017-11-30 18:52:16
Local clock offset: 0.533 ms
Remote clock offset: -1.871 ms

Below is generated by plot.py at 2017-12-01 00:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 34.778 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 32.662 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 46.096 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 16.28 Mbit/s
95th percentile per-packet one-way delay: 32.491 ms
Loss rate: 3.07%

Run 4: Report of Copa — Data Link

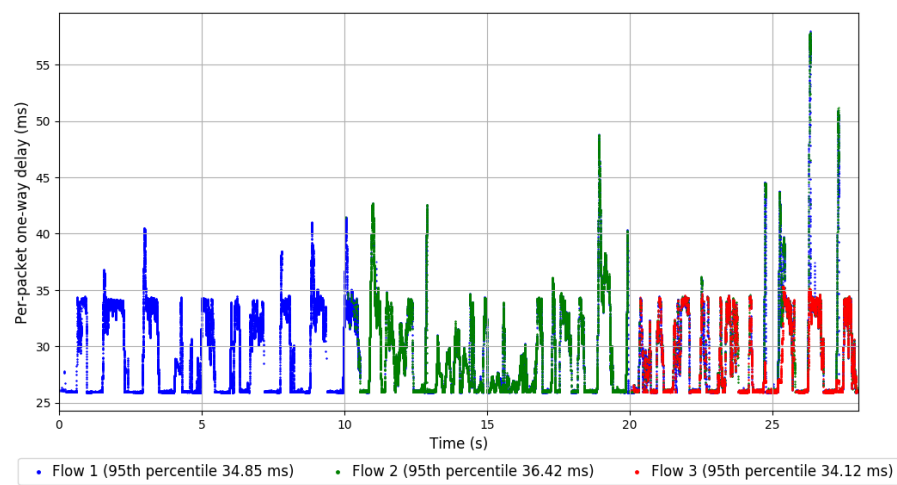
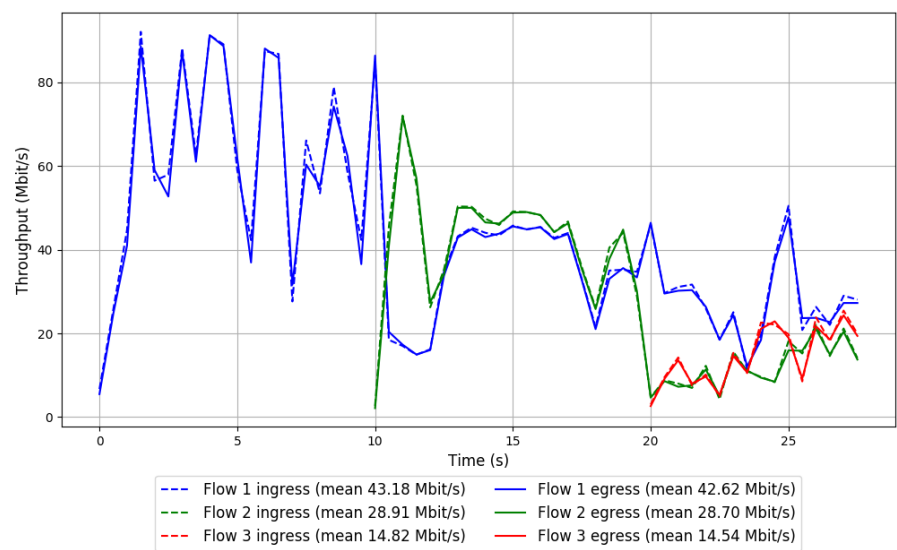


Run 5: Statistics of Copa

Start at: 2017-11-30 19:12:43
End at: 2017-11-30 19:13:13
Local clock offset: 0.528 ms
Remote clock offset: -3.666 ms

Below is generated by plot.py at 2017-12-01 00:42:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.14 Mbit/s
95th percentile per-packet one-way delay: 35.308 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 34.848 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 28.70 Mbit/s
95th percentile per-packet one-way delay: 36.421 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 14.54 Mbit/s
95th percentile per-packet one-way delay: 34.125 ms
Loss rate: 2.54%

Run 5: Report of Copa — Data Link

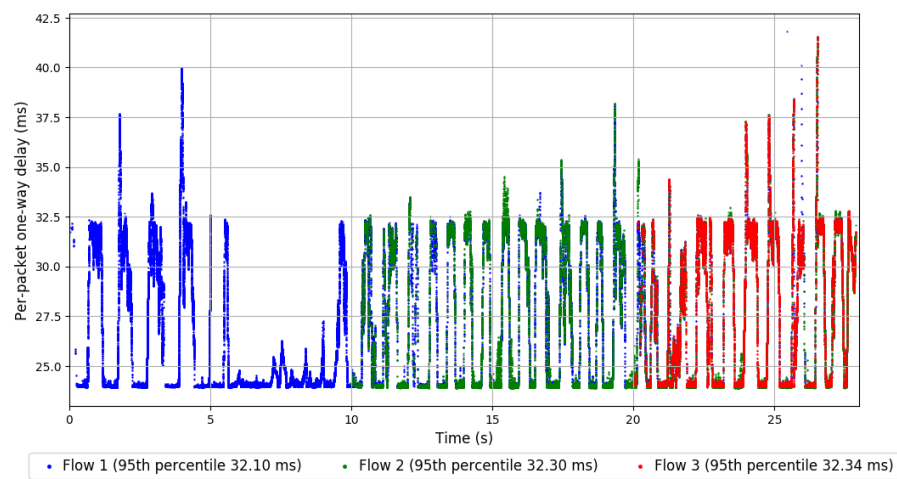
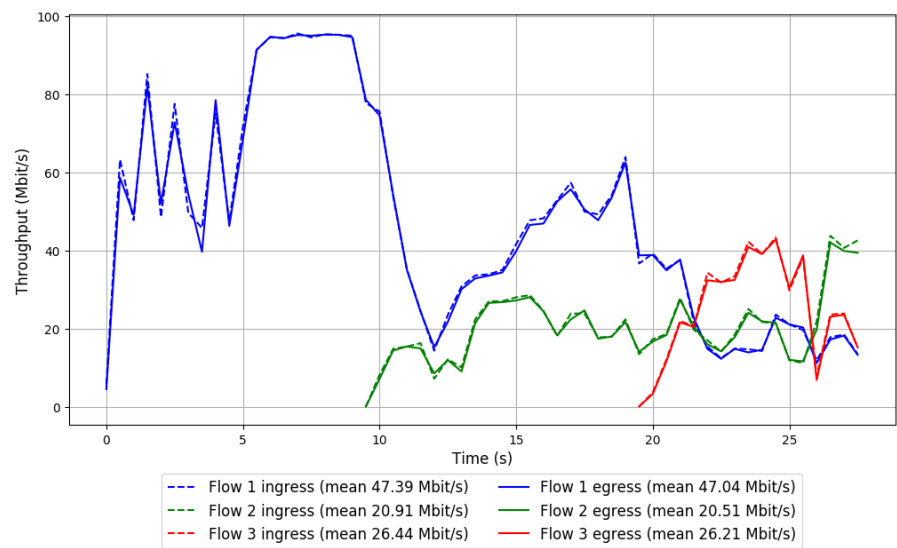


Run 6: Statistics of Copa

Start at: 2017-11-30 19:32:46
End at: 2017-11-30 19:33:16
Local clock offset: 0.67 ms
Remote clock offset: -1.595 ms

Below is generated by plot.py at 2017-12-01 00:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.66 Mbit/s
95th percentile per-packet one-way delay: 32.171 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 32.102 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 32.300 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 26.21 Mbit/s
95th percentile per-packet one-way delay: 32.337 ms
Loss rate: 1.53%

Run 6: Report of Copa — Data Link

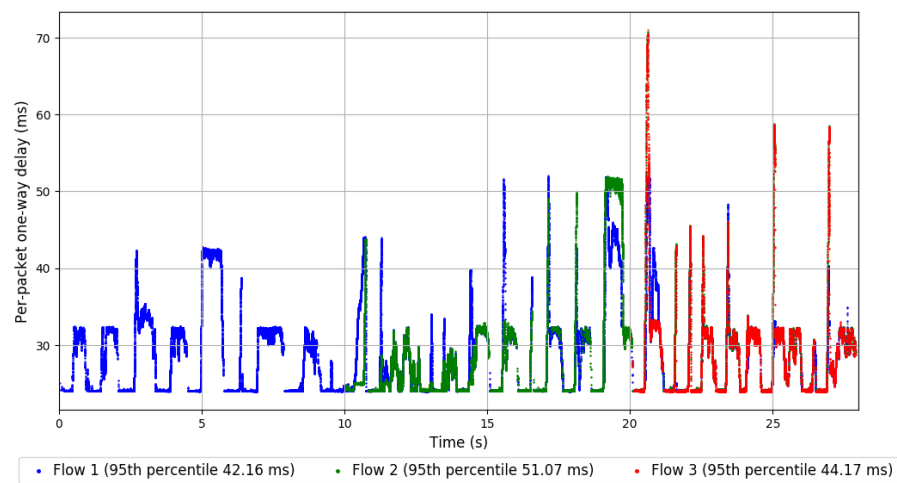
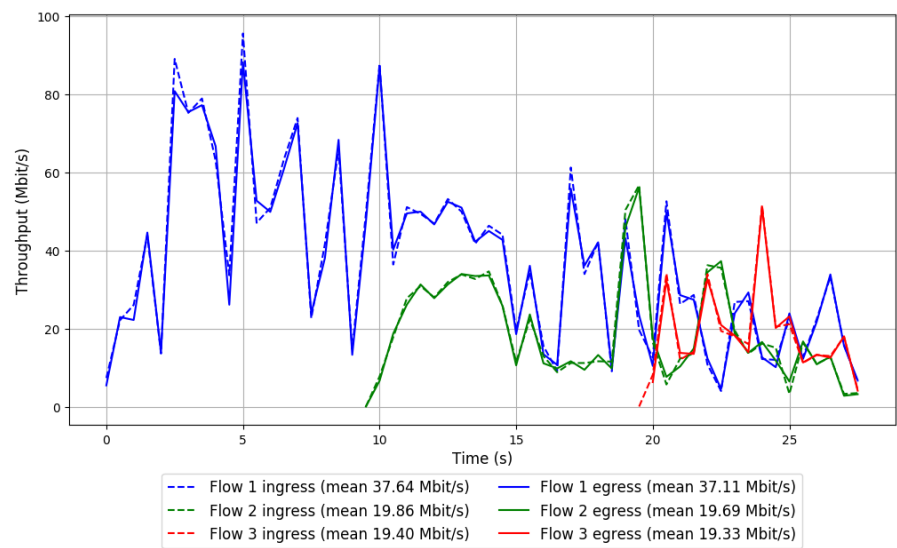


Run 7: Statistics of Copa

Start at: 2017-11-30 19:53:14
End at: 2017-11-30 19:53:44
Local clock offset: 0.706 ms
Remote clock offset: -1.758 ms

Below is generated by plot.py at 2017-12-01 00:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.22 Mbit/s
95th percentile per-packet one-way delay: 42.861 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 42.155 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 19.69 Mbit/s
95th percentile per-packet one-way delay: 51.070 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 44.166 ms
Loss rate: 1.08%

Run 7: Report of Copa — Data Link

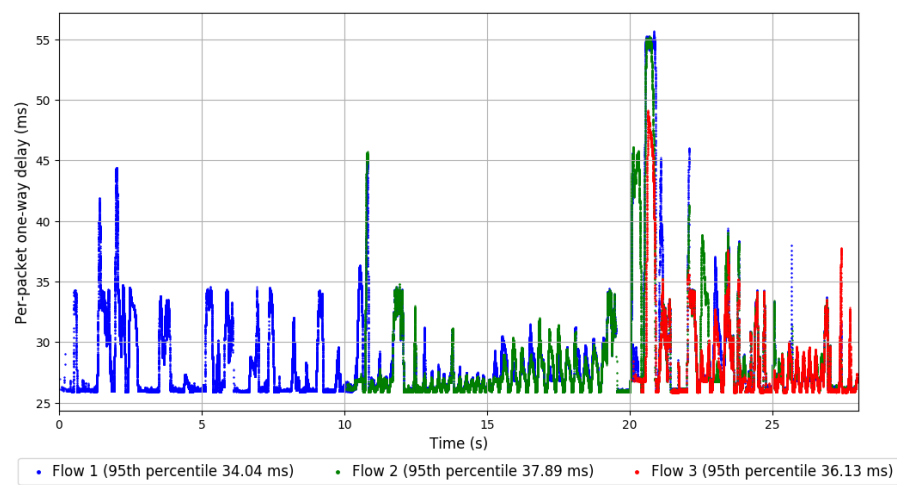
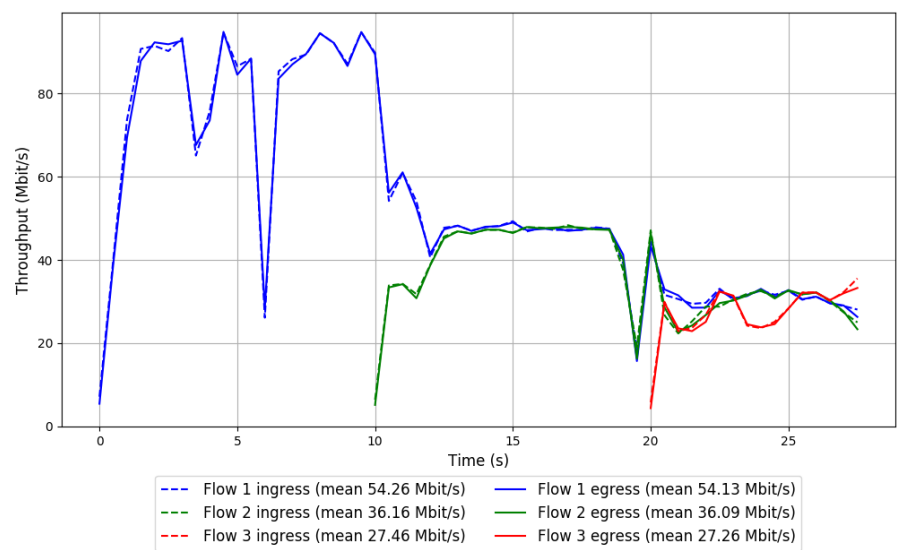


Run 8: Statistics of Copa

Start at: 2017-11-30 20:13:06
End at: 2017-11-30 20:13:36
Local clock offset: 0.614 ms
Remote clock offset: -3.739 ms

Below is generated by plot.py at 2017-12-01 00:43:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 34.217 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 34.042 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 36.09 Mbit/s
95th percentile per-packet one-way delay: 37.890 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 36.133 ms
Loss rate: 1.39%

Run 8: Report of Copa — Data Link

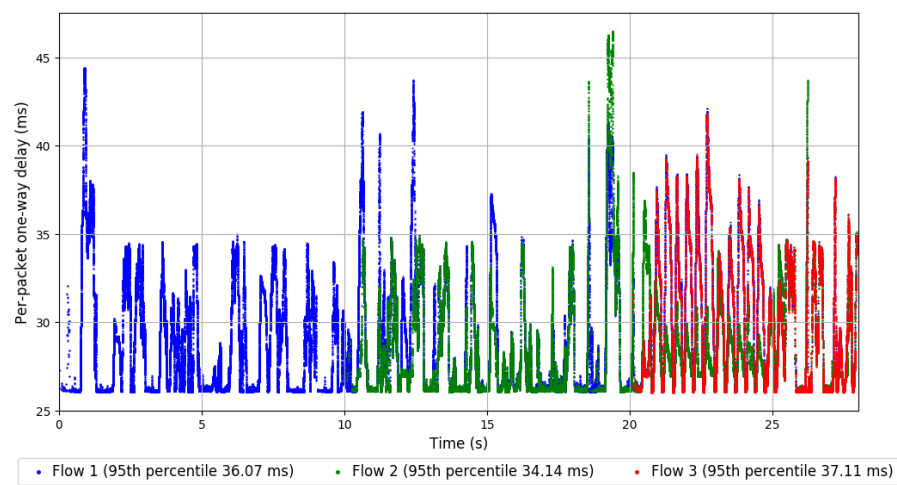
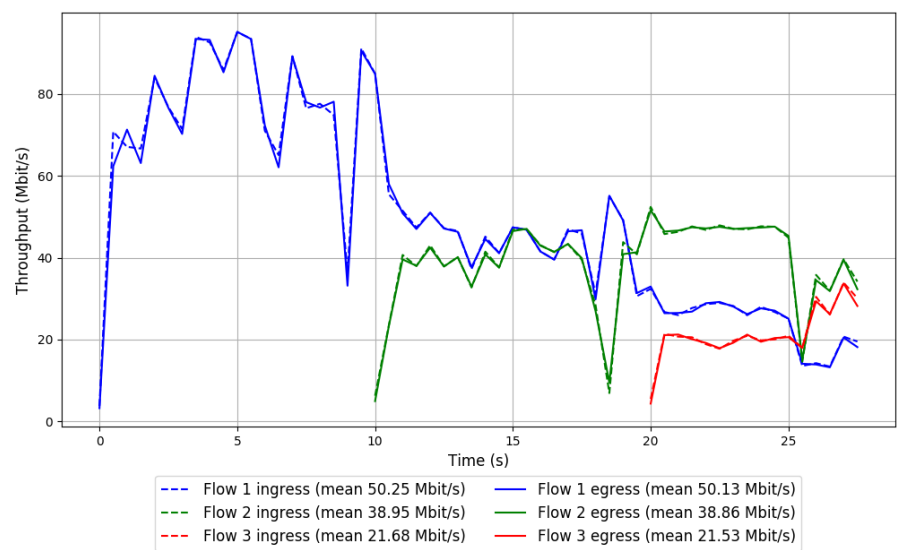


Run 9: Statistics of Copa

Start at: 2017-11-30 20:32:21
End at: 2017-11-30 20:32:52
Local clock offset: 0.723 ms
Remote clock offset: -3.736 ms

Below is generated by plot.py at 2017-12-01 00:43:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.15 Mbit/s
95th percentile per-packet one-way delay: 35.755 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: 36.069 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: 34.142 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 37.108 ms
Loss rate: 1.34%

Run 9: Report of Copa — Data Link

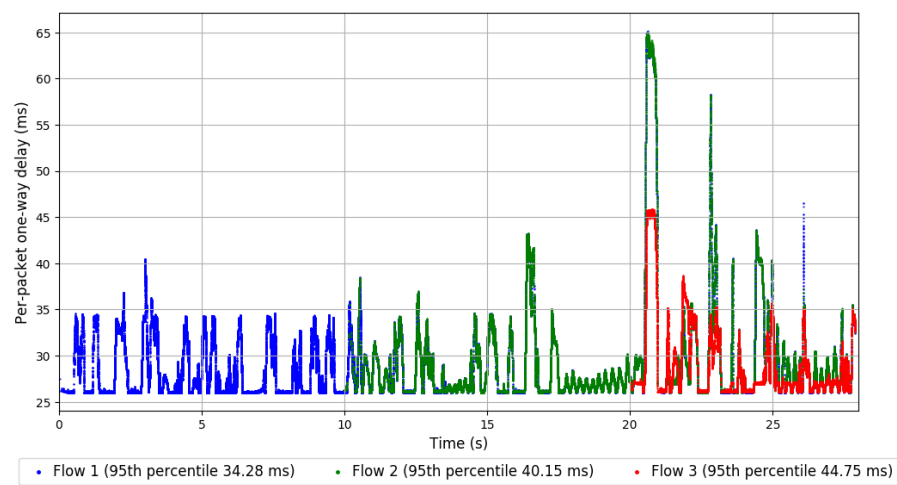
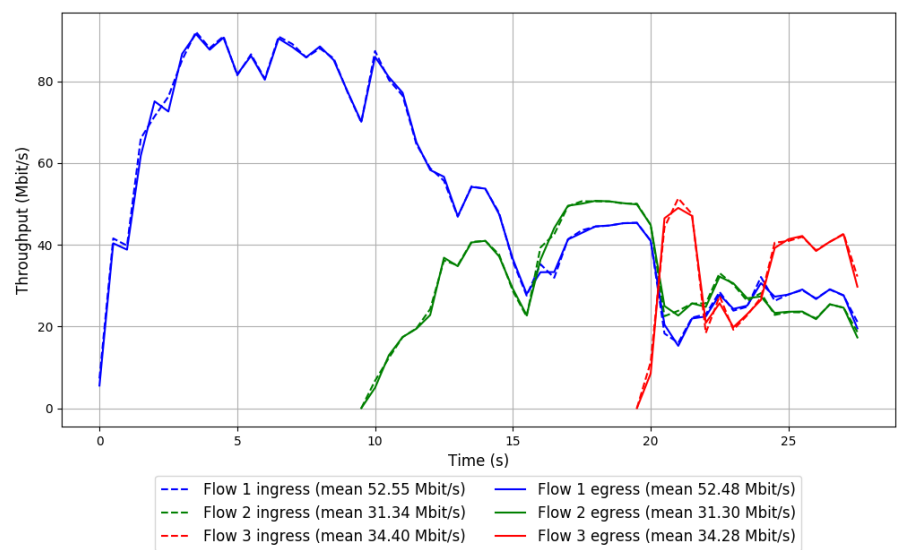


Run 10: Statistics of Copa

Start at: 2017-11-30 20:51:46
End at: 2017-11-30 20:52:16
Local clock offset: 0.38 ms
Remote clock offset: -3.658 ms

Below is generated by plot.py at 2017-12-01 00:43:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 35.883 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 34.278 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 40.145 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 34.28 Mbit/s
95th percentile per-packet one-way delay: 44.749 ms
Loss rate: 1.04%

Run 10: Report of Copa — Data Link

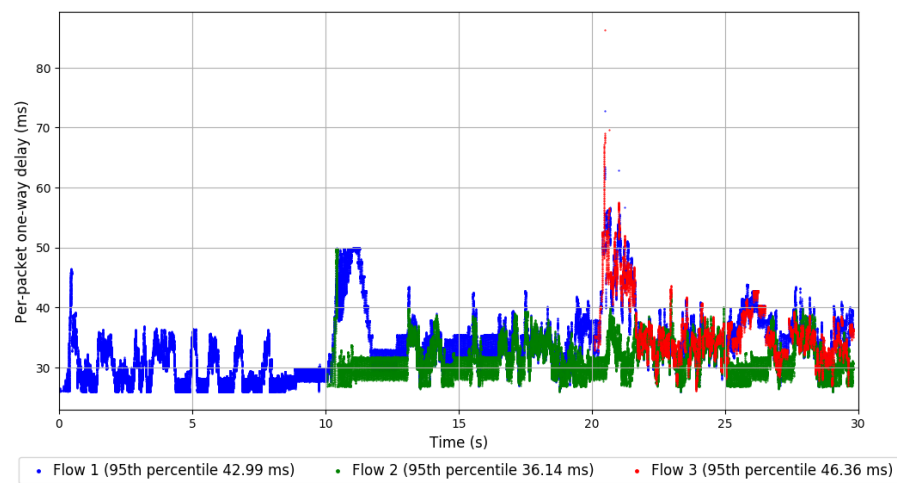
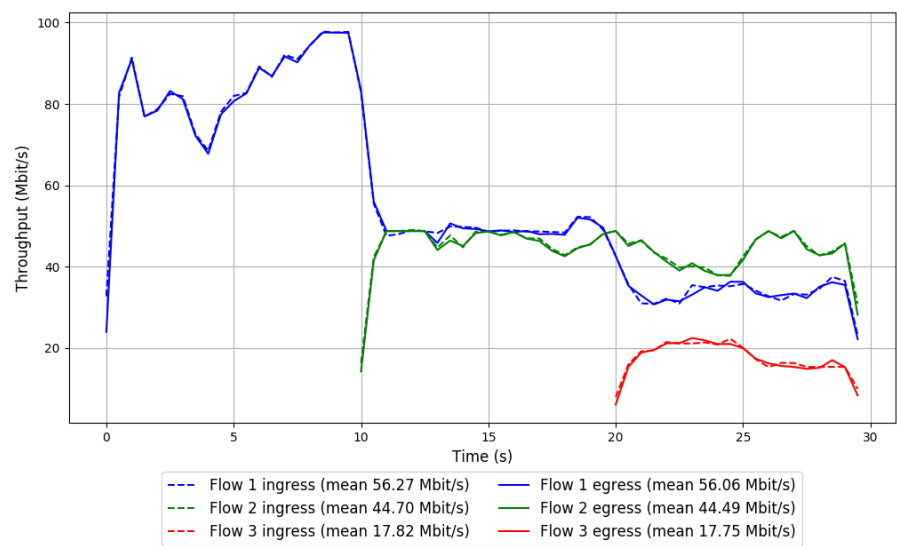


```
Run 1: Statistics of Indigo

Start at: 2017-11-30 17:53:35
End at: 2017-11-30 17:54:06
Local clock offset: 0.445 ms
Remote clock offset: -7.994 ms

# Below is generated by plot.py at 2017-12-01 00:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 41.266 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 42.986 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 36.136 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 17.75 Mbit/s
95th percentile per-packet one-way delay: 46.360 ms
Loss rate: 1.04%
```

Run 1: Report of Indigo — Data Link

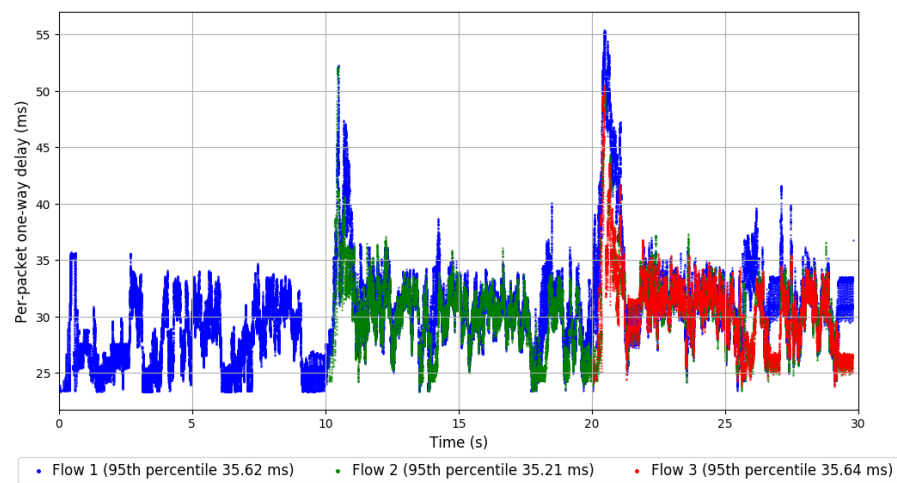
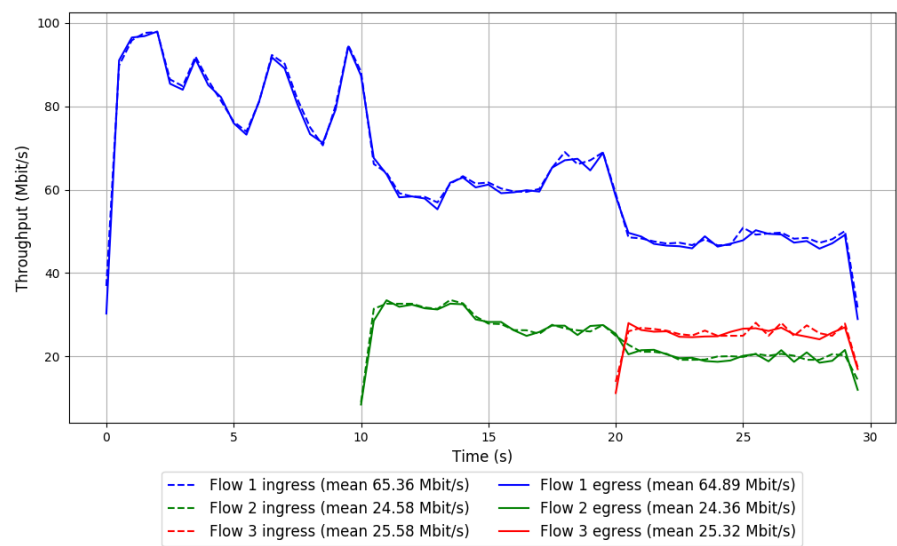


Run 2: Statistics of Indigo

Start at: 2017-11-30 18:13:08
End at: 2017-11-30 18:13:38
Local clock offset: 0.449 ms
Remote clock offset: -4.667 ms

Below is generated by plot.py at 2017-12-01 00:43:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 35.545 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 35.624 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 35.210 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 25.32 Mbit/s
95th percentile per-packet one-way delay: 35.638 ms
Loss rate: 1.55%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-11-30 18:32:49

End at: 2017-11-30 18:33:19

Local clock offset: 0.425 ms

Remote clock offset: -5.56 ms

Below is generated by plot.py at 2017-12-01 00:44:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.44 Mbit/s

95th percentile per-packet one-way delay: 37.047 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 55.04 Mbit/s

95th percentile per-packet one-way delay: 36.538 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 26.44 Mbit/s

95th percentile per-packet one-way delay: 37.555 ms

Loss rate: 1.12%

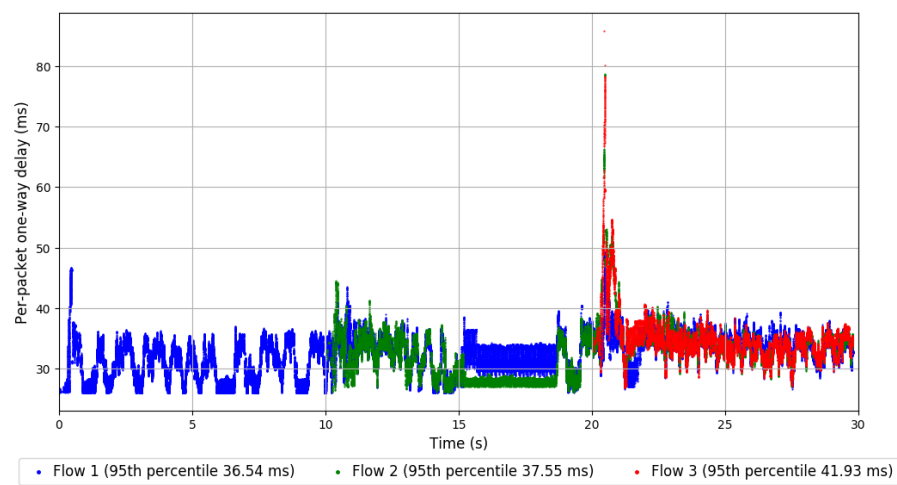
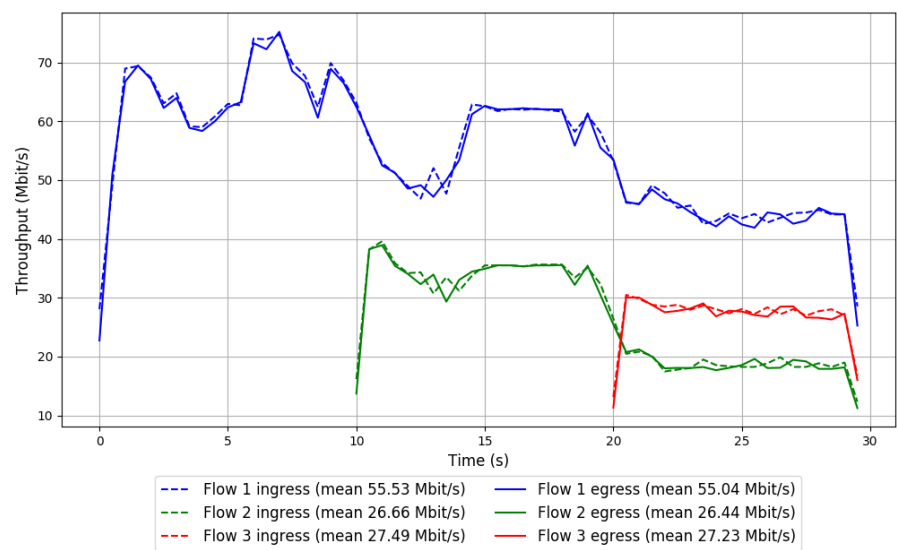
-- Flow 3:

Average throughput: 27.23 Mbit/s

95th percentile per-packet one-way delay: 41.930 ms

Loss rate: 1.56%

Run 3: Report of Indigo — Data Link

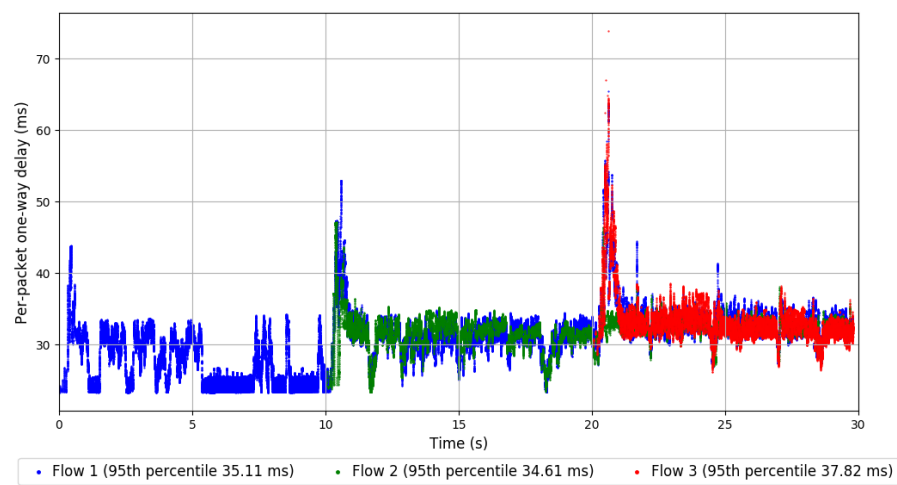
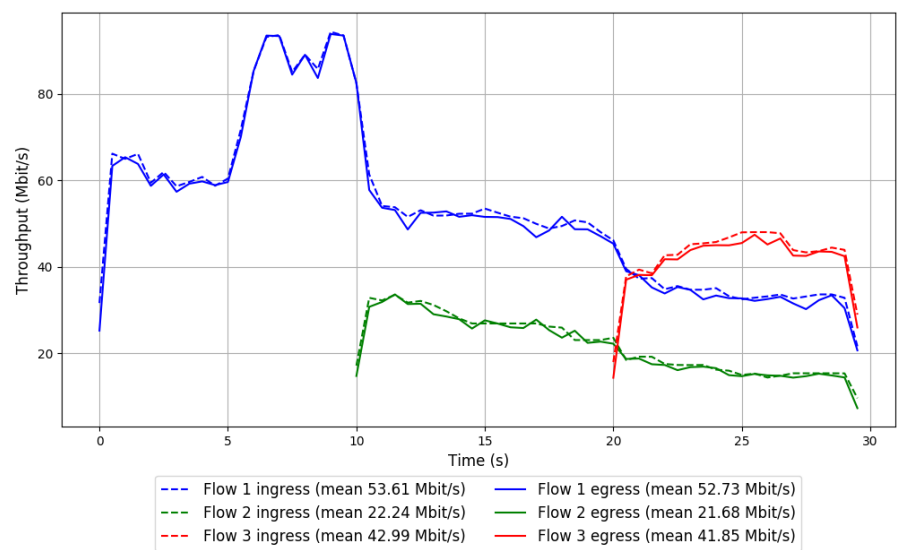


Run 4: Statistics of Indigo

Start at: 2017-11-30 18:53:30
End at: 2017-11-30 18:54:00
Local clock offset: 0.437 ms
Remote clock offset: -1.368 ms

Below is generated by plot.py at 2017-12-01 00:44:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.73 Mbit/s
95th percentile per-packet one-way delay: 35.358 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 52.73 Mbit/s
95th percentile per-packet one-way delay: 35.108 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 34.607 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 37.818 ms
Loss rate: 3.23%

Run 4: Report of Indigo — Data Link

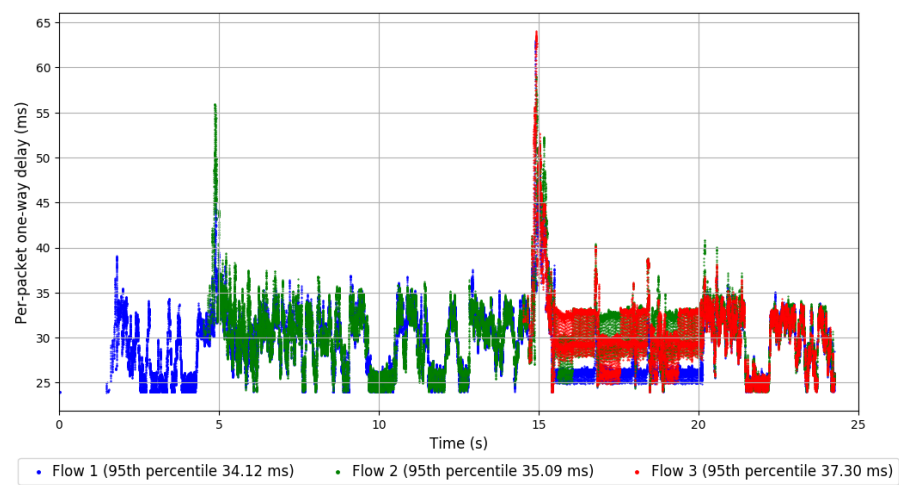
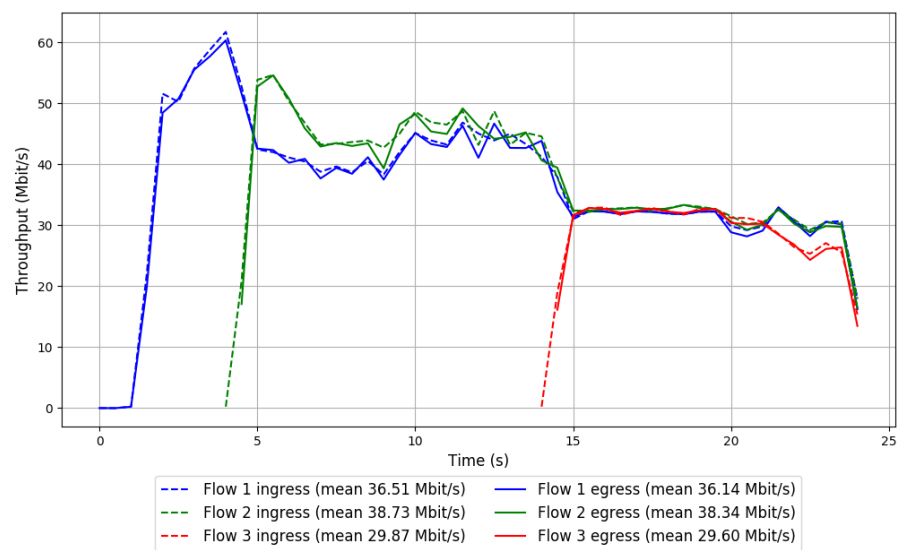


Run 5: Statistics of Indigo

Start at: 2017-11-30 19:14:22
End at: 2017-11-30 19:14:52
Local clock offset: 0.591 ms
Remote clock offset: -1.662 ms

Below is generated by plot.py at 2017-12-01 00:44:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 34.789 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 34.118 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 35.092 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 37.298 ms
Loss rate: 1.32%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-11-30 19:34:20

End at: 2017-11-30 19:34:50

Local clock offset: 0.582 ms

Remote clock offset: -3.73 ms

Below is generated by plot.py at 2017-12-01 00:44:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.17 Mbit/s

95th percentile per-packet one-way delay: 37.824 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 58.09 Mbit/s

95th percentile per-packet one-way delay: 39.164 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 28.78 Mbit/s

95th percentile per-packet one-way delay: 36.384 ms

Loss rate: 0.92%

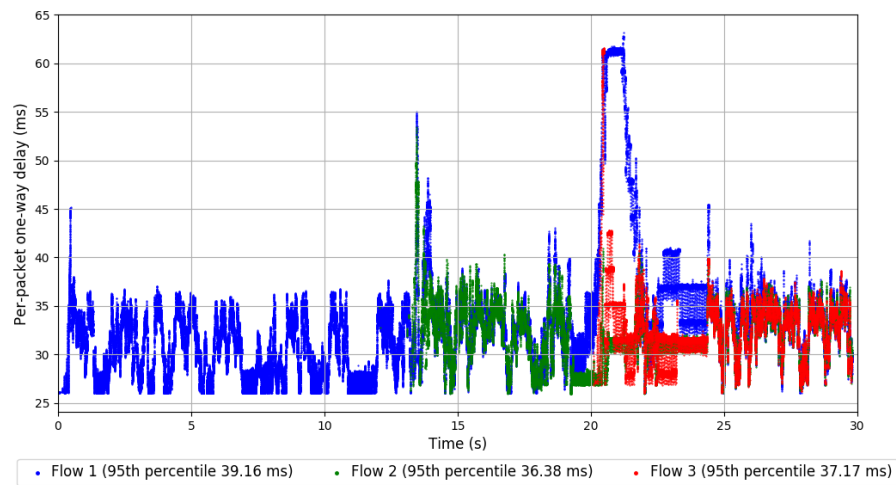
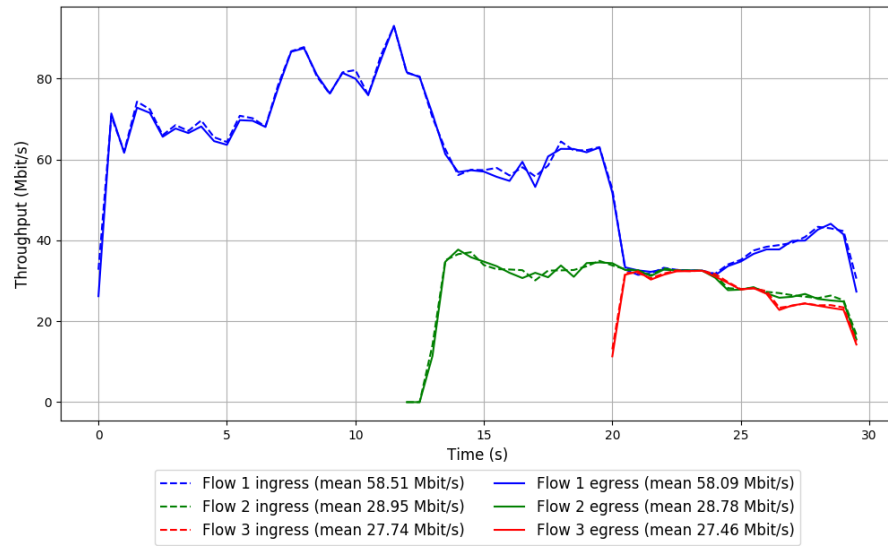
-- Flow 3:

Average throughput: 27.46 Mbit/s

95th percentile per-packet one-way delay: 37.169 ms

Loss rate: 1.27%

Run 6: Report of Indigo — Data Link

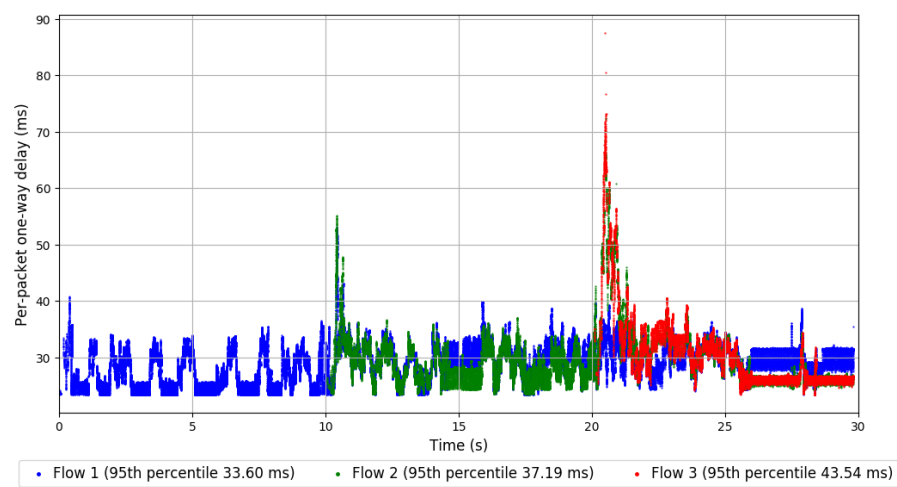
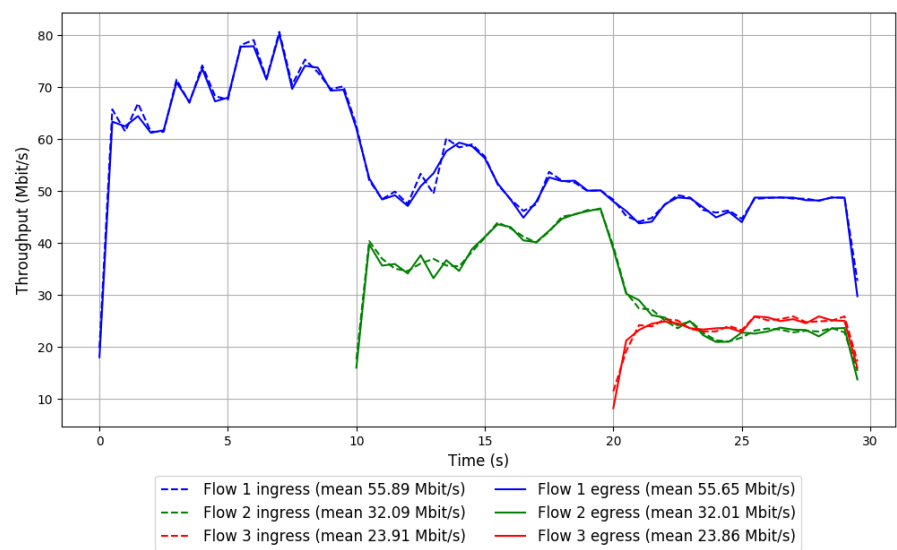


Run 7: Statistics of Indigo

Start at: 2017-11-30 19:54:43
End at: 2017-11-30 19:55:13
Local clock offset: 0.738 ms
Remote clock offset: -1.224 ms

Below is generated by plot.py at 2017-12-01 00:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 34.631 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 33.598 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 37.188 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 43.544 ms
Loss rate: 0.84%

Run 7: Report of Indigo — Data Link

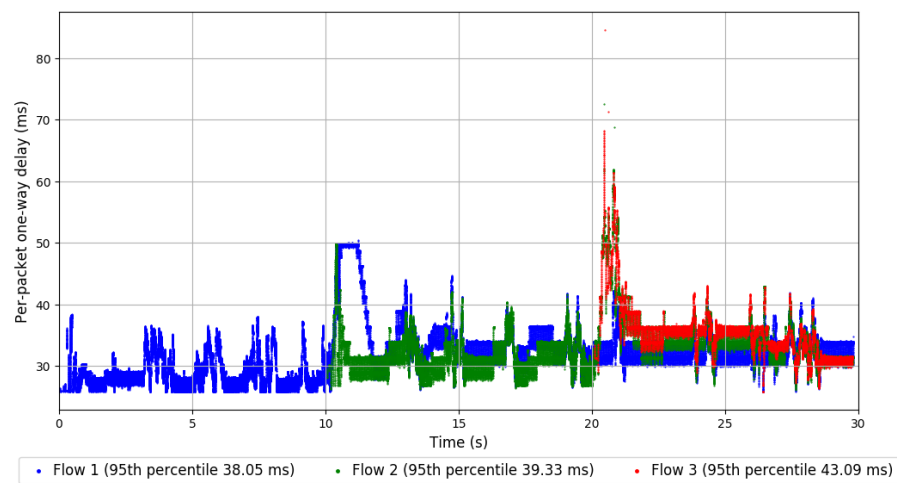
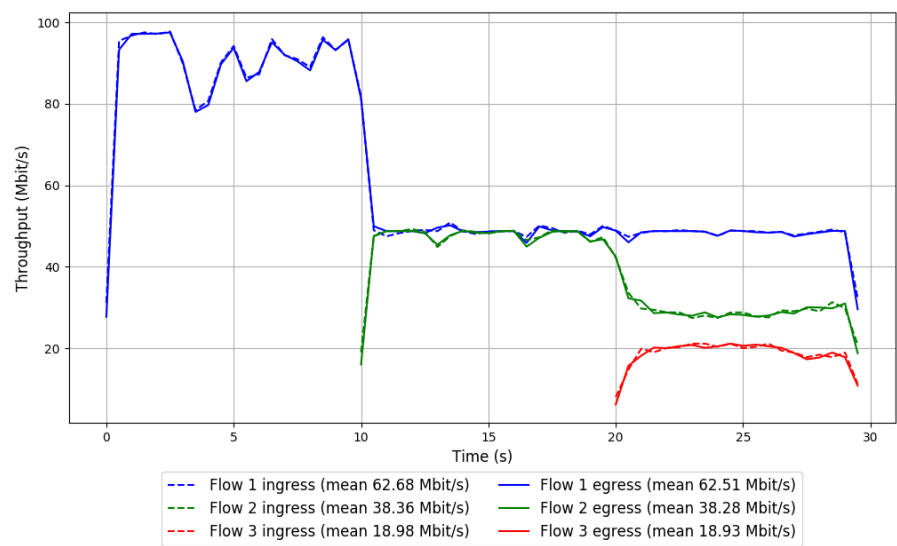


Run 8: Statistics of Indigo

Start at: 2017-11-30 20:14:35
End at: 2017-11-30 20:15:05
Local clock offset: 0.634 ms
Remote clock offset: -3.718 ms

Below is generated by plot.py at 2017-12-01 00:45:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 38.842 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 38.045 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 39.326 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 43.093 ms
Loss rate: 0.88%

Run 8: Report of Indigo — Data Link

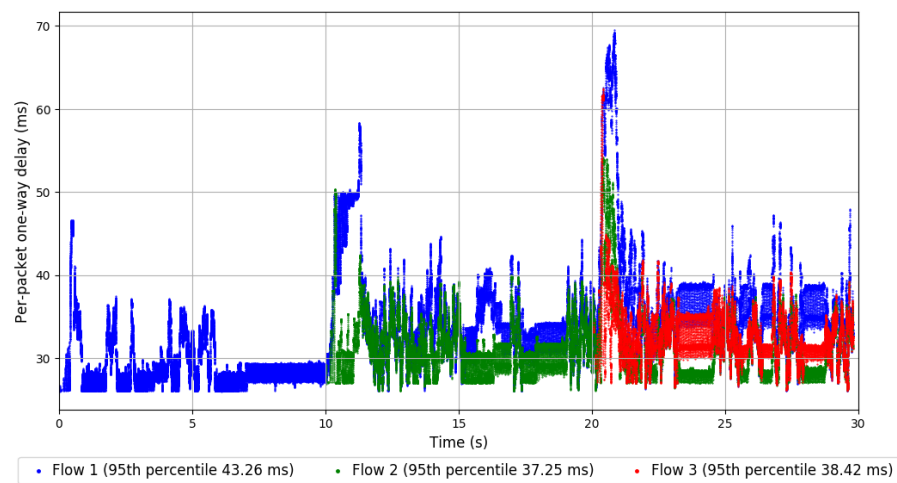
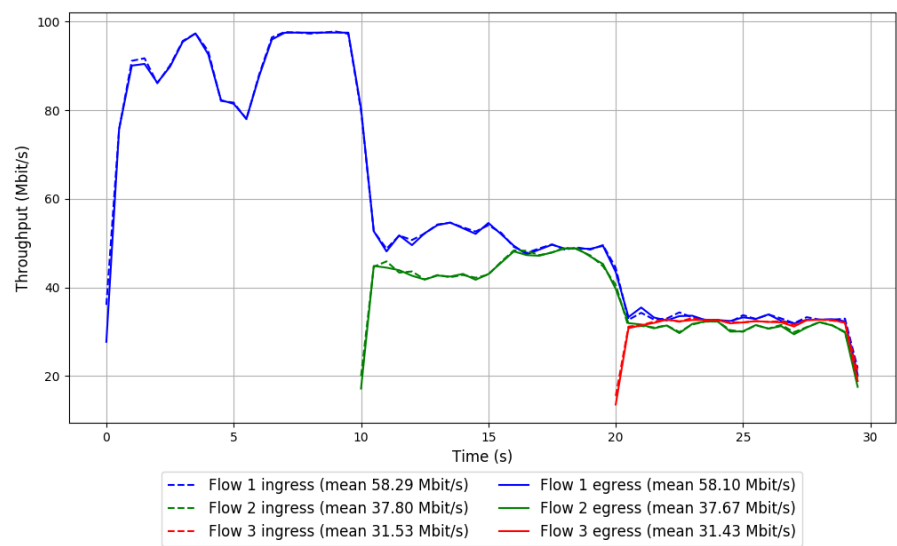


Run 9: Statistics of Indigo

Start at: 2017-11-30 20:33:48
End at: 2017-11-30 20:34:18
Local clock offset: 0.683 ms
Remote clock offset: -3.754 ms

Below is generated by plot.py at 2017-12-01 00:45:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.37 Mbit/s
95th percentile per-packet one-way delay: 40.386 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 43.256 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 37.249 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 38.419 ms
Loss rate: 0.95%

Run 9: Report of Indigo — Data Link

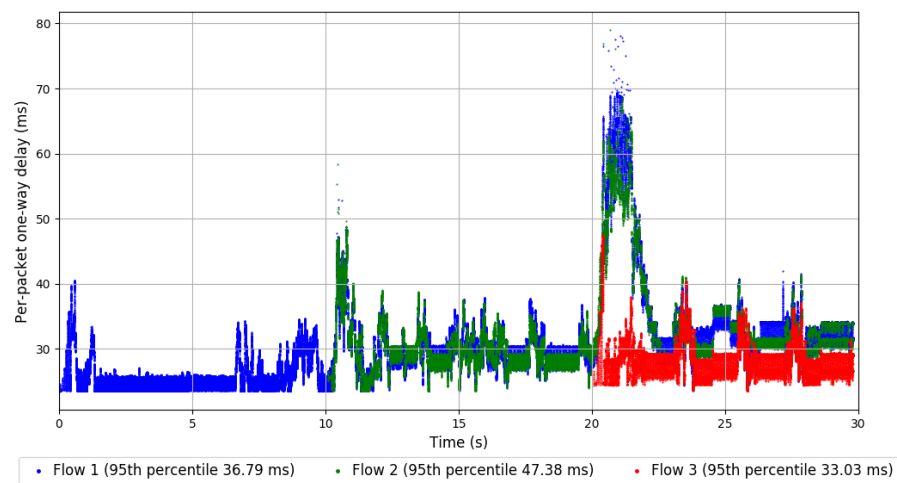
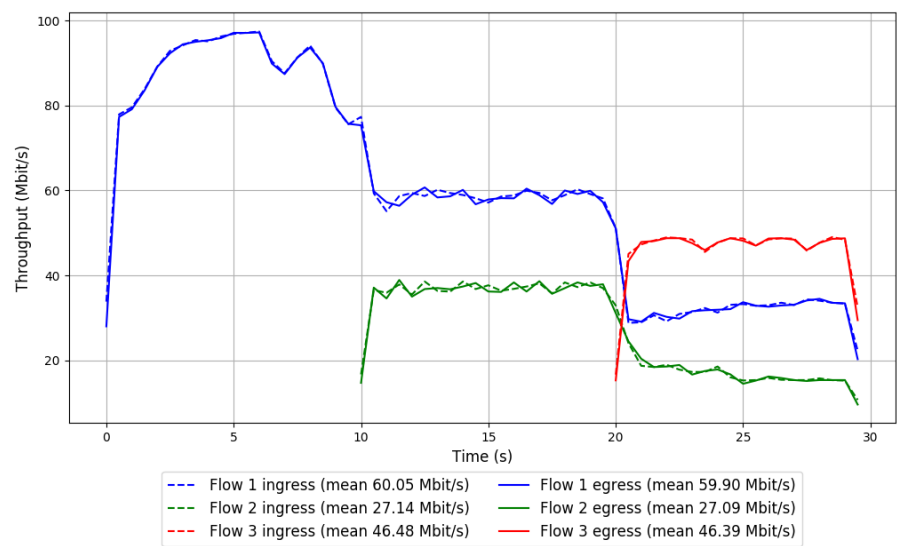


Run 10: Statistics of Indigo

Start at: 2017-11-30 20:53:14
End at: 2017-11-30 20:53:44
Local clock offset: 0.315 ms
Remote clock offset: -1.195 ms

Below is generated by plot.py at 2017-12-01 00:45:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 37.674 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 36.787 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 47.381 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 33.035 ms
Loss rate: 0.74%

Run 10: Report of Indigo — Data Link

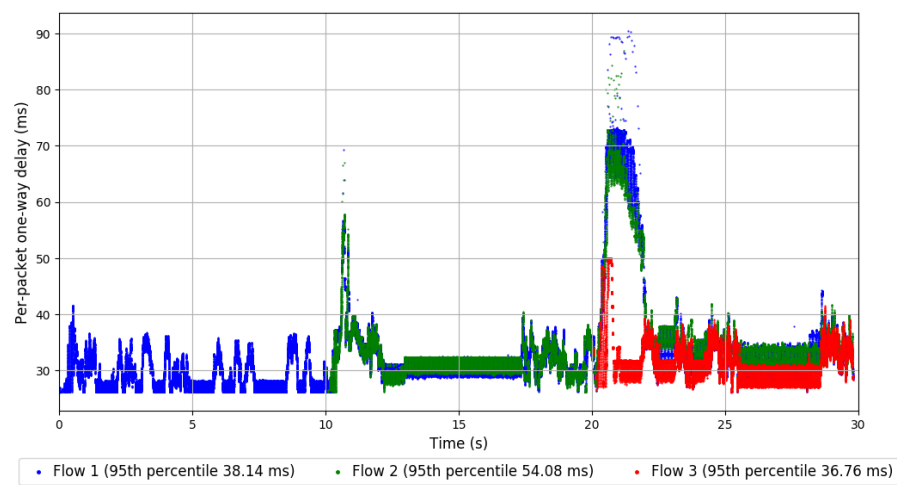
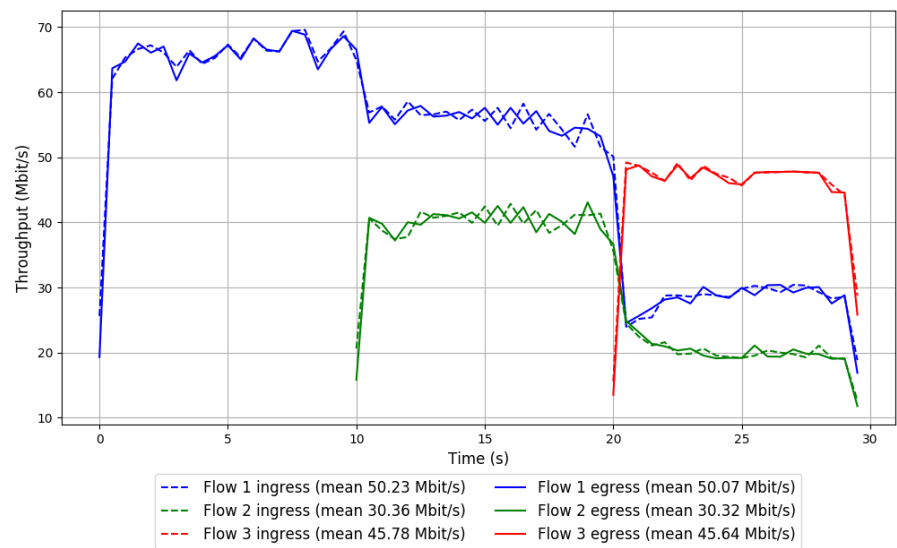


```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-30 18:03:30
End at: 2017-11-30 18:04:00
Local clock offset: 0.498 ms
Remote clock offset: -7.93 ms

# Below is generated by plot.py at 2017-12-01 00:45:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 39.283 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 38.136 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 54.075 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 36.756 ms
Loss rate: 0.91%
```

Run 1: Report of Indigo-calib — Data Link

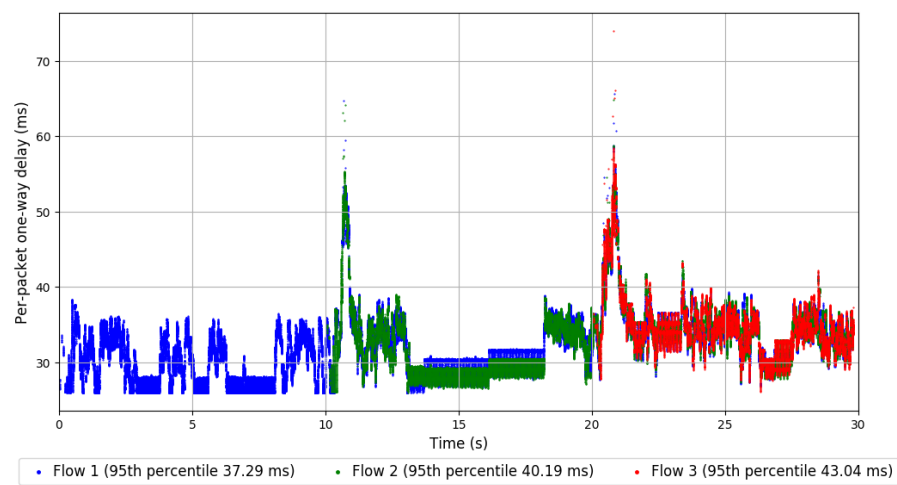
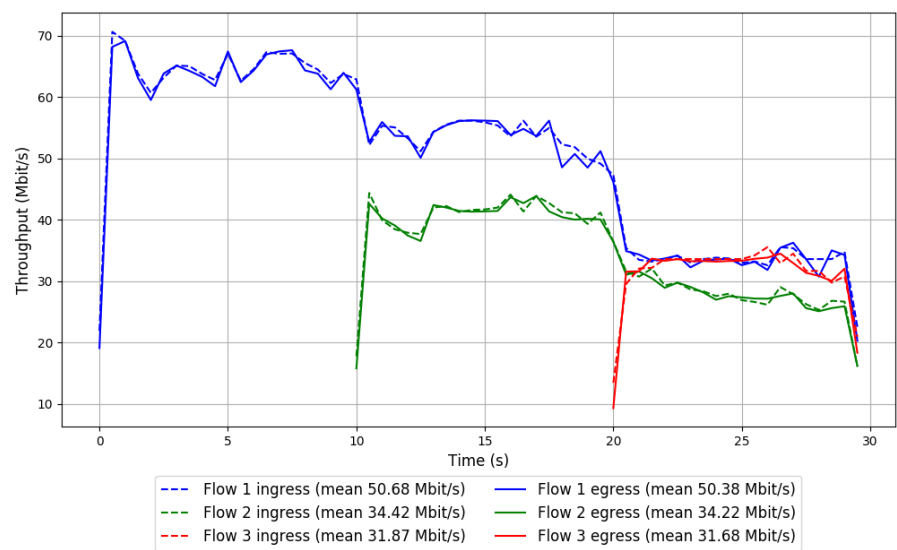


Run 2: Statistics of Indigo-calib

Start at: 2017-11-30 18:22:51
End at: 2017-11-30 18:23:21
Local clock offset: 0.451 ms
Remote clock offset: -6.715 ms

Below is generated by plot.py at 2017-12-01 00:45:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 38.550 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 37.292 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 40.189 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 43.036 ms
Loss rate: 1.20%

Run 2: Report of Indigo-calib — Data Link

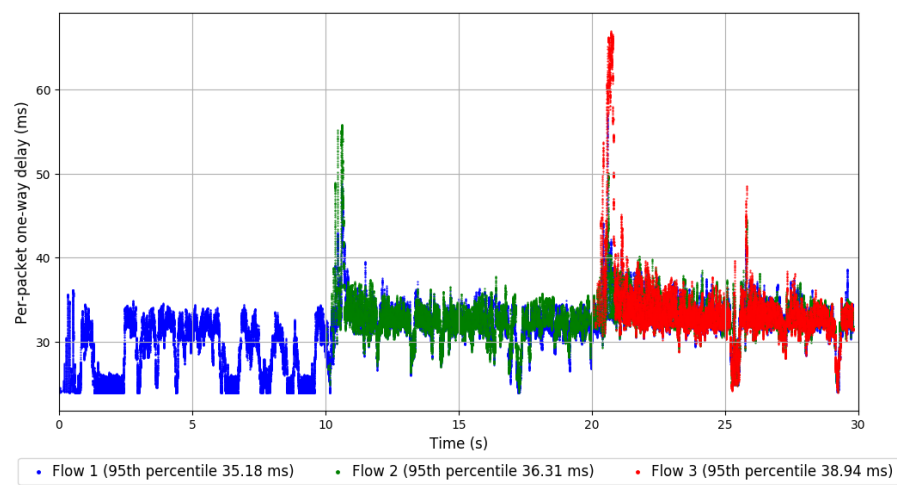
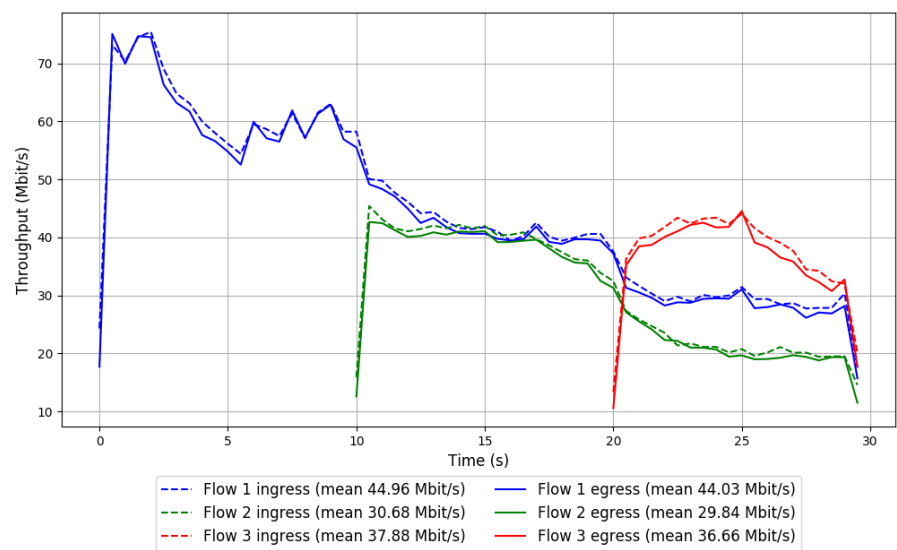


Run 3: Statistics of Indigo-calib

Start at: 2017-11-30 18:43:04
End at: 2017-11-30 18:43:34
Local clock offset: 0.519 ms
Remote clock offset: -2.269 ms

Below is generated by plot.py at 2017-12-01 00:45:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 35.994 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 44.03 Mbit/s
95th percentile per-packet one-way delay: 35.181 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: 36.306 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 38.941 ms
Loss rate: 3.83%

Run 3: Report of Indigo-calib — Data Link

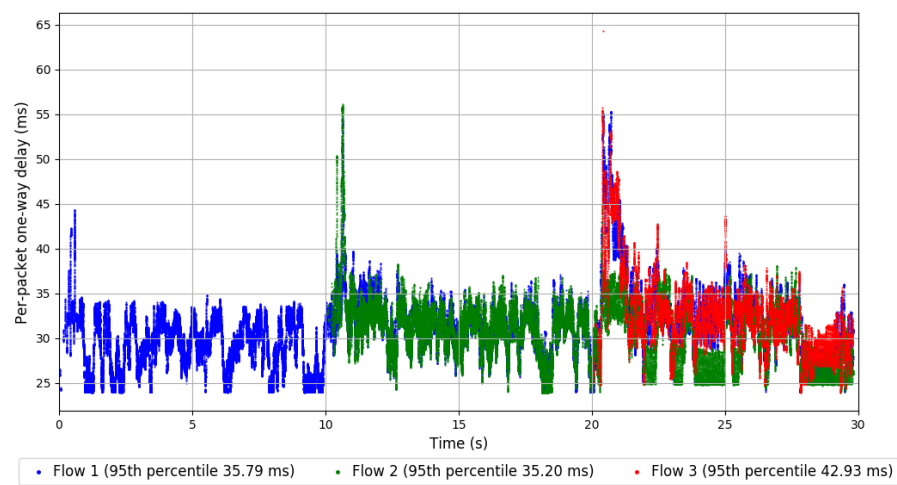
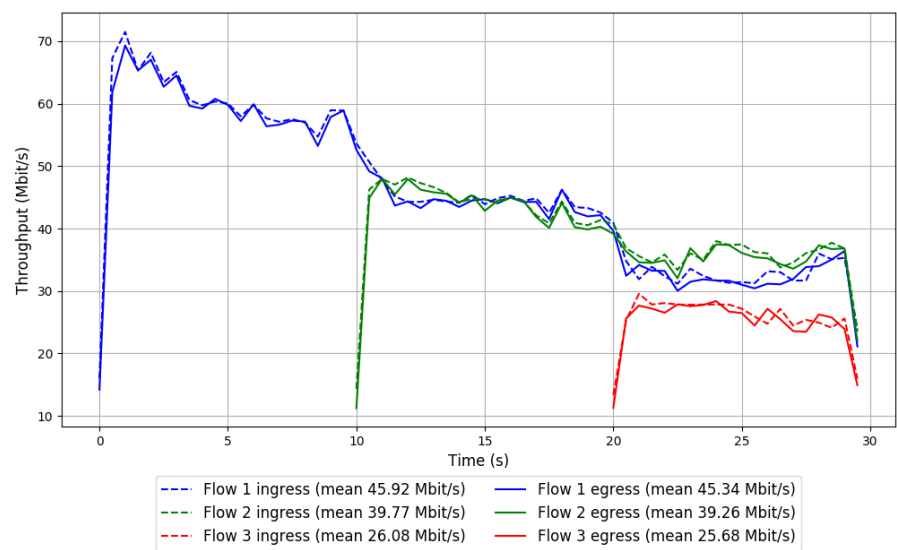


Run 4: Statistics of Indigo-calib

Start at: 2017-11-30 19:04:16
End at: 2017-11-30 19:04:46
Local clock offset: 0.488 ms
Remote clock offset: -1.793 ms

Below is generated by plot.py at 2017-12-01 00:45:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.70 Mbit/s
95th percentile per-packet one-way delay: 36.005 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 35.788 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 35.204 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 25.68 Mbit/s
95th percentile per-packet one-way delay: 42.926 ms
Loss rate: 2.10%

Run 4: Report of Indigo-calib — Data Link

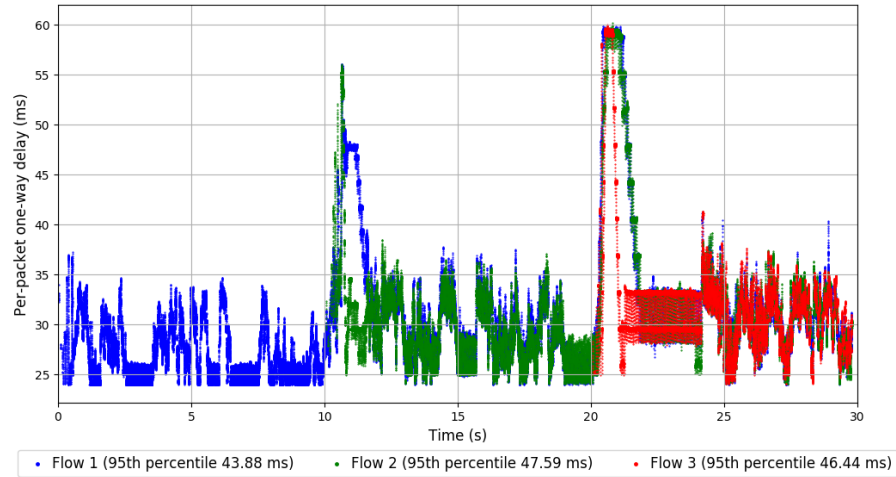
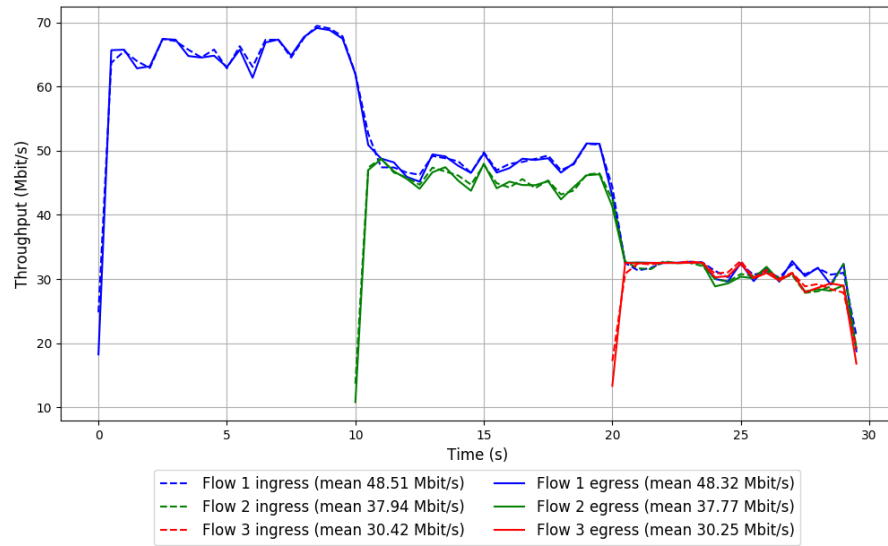


Run 5: Statistics of Indigo-calib

Start at: 2017-11-30 19:24:22
End at: 2017-11-30 19:24:52
Local clock offset: 0.615 ms
Remote clock offset: -1.628 ms

Below is generated by plot.py at 2017-12-01 00:45:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.20 Mbit/s
95th percentile per-packet one-way delay: 44.316 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 43.883 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 47.592 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 46.438 ms
Loss rate: 1.11%

Run 5: Report of Indigo-calib — Data Link

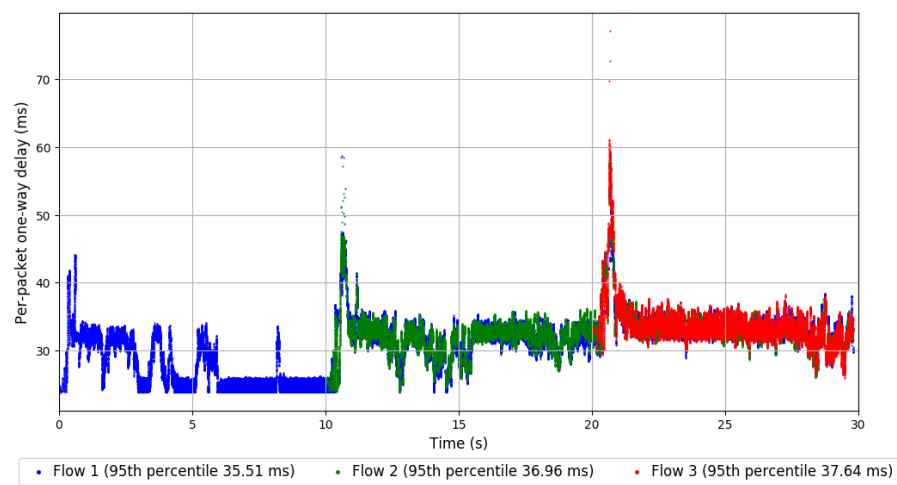
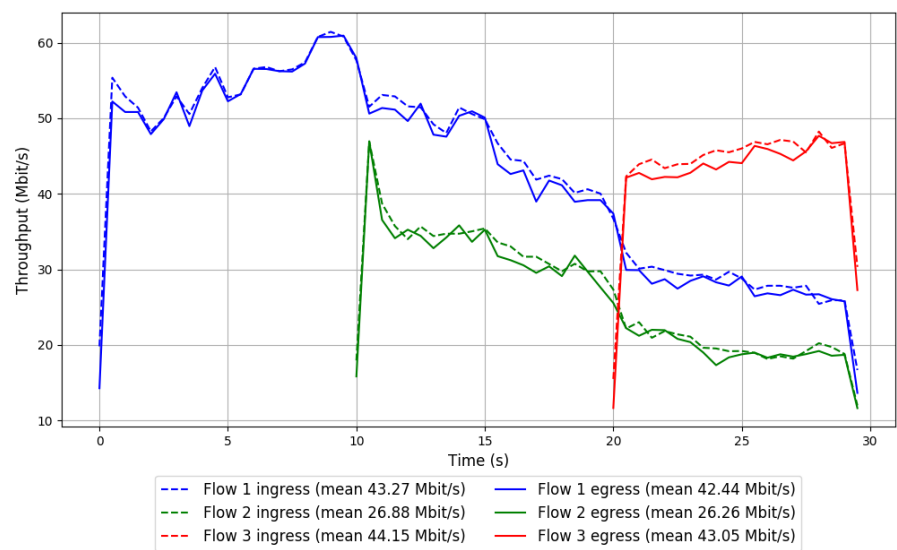


Run 6: Statistics of Indigo-calib

Start at: 2017-11-30 19:44:32
End at: 2017-11-30 19:45:02
Local clock offset: 0.603 ms
Remote clock offset: -1.683 ms

Below is generated by plot.py at 2017-12-01 00:46:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.89 Mbit/s
95th percentile per-packet one-way delay: 36.374 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 42.44 Mbit/s
95th percentile per-packet one-way delay: 35.512 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 26.26 Mbit/s
95th percentile per-packet one-way delay: 36.961 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 43.05 Mbit/s
95th percentile per-packet one-way delay: 37.642 ms
Loss rate: 3.11%

Run 6: Report of Indigo-calib — Data Link

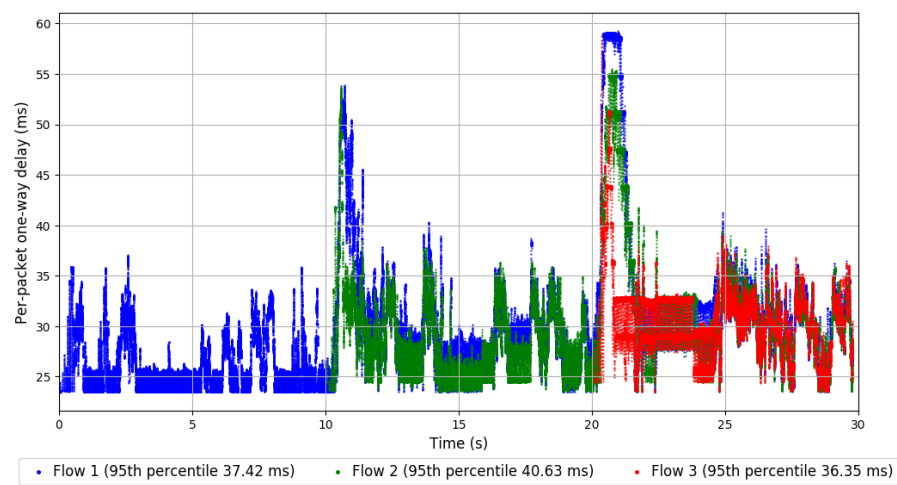
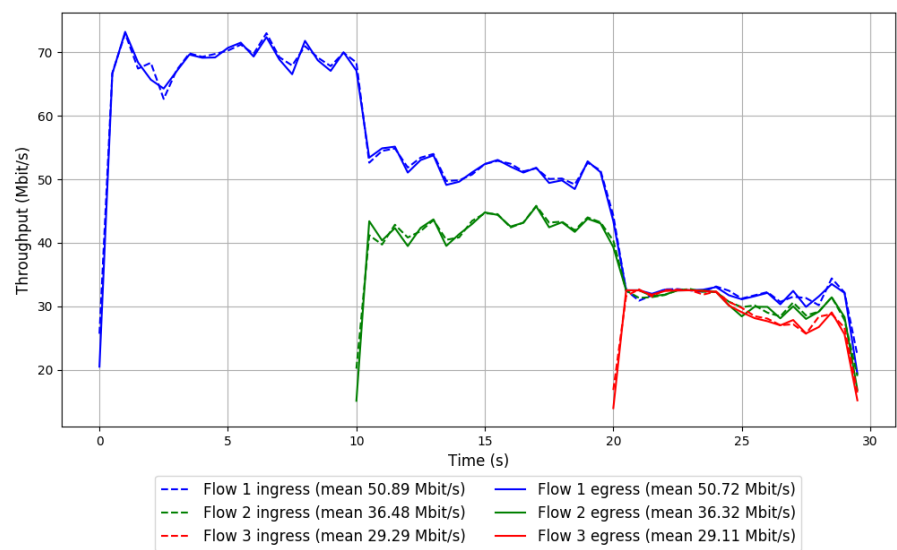


Run 7: Statistics of Indigo-calib

Start at: 2017-11-30 20:04:50
End at: 2017-11-30 20:05:20
Local clock offset: 0.705 ms
Remote clock offset: -1.255 ms

Below is generated by plot.py at 2017-12-01 00:46:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.28 Mbit/s
95th percentile per-packet one-way delay: 38.473 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 37.419 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 36.32 Mbit/s
95th percentile per-packet one-way delay: 40.631 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: 36.350 ms
Loss rate: 1.15%

Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-11-30 20:24:13

End at: 2017-11-30 20:24:43

Local clock offset: 0.682 ms

Remote clock offset: -3.7 ms

Below is generated by plot.py at 2017-12-01 00:46:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 37.671 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 53.60 Mbit/s

95th percentile per-packet one-way delay: 38.455 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 45.48 Mbit/s

95th percentile per-packet one-way delay: 35.761 ms

Loss rate: 0.48%

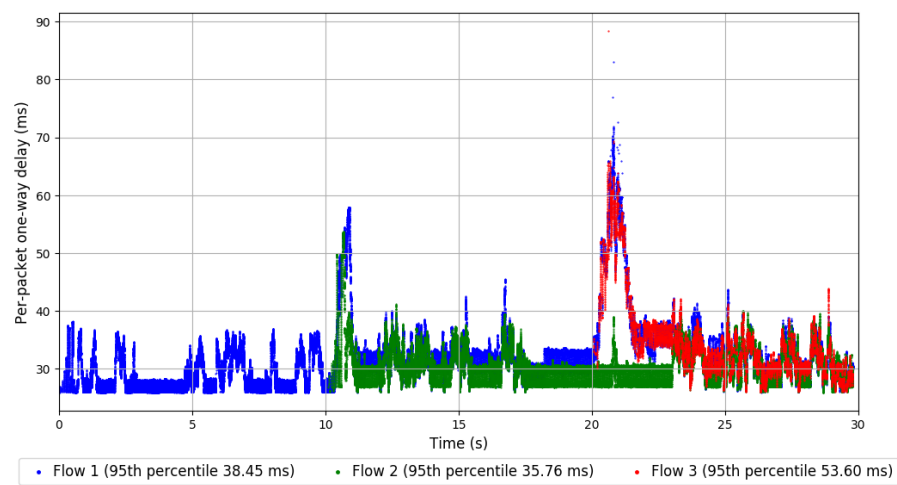
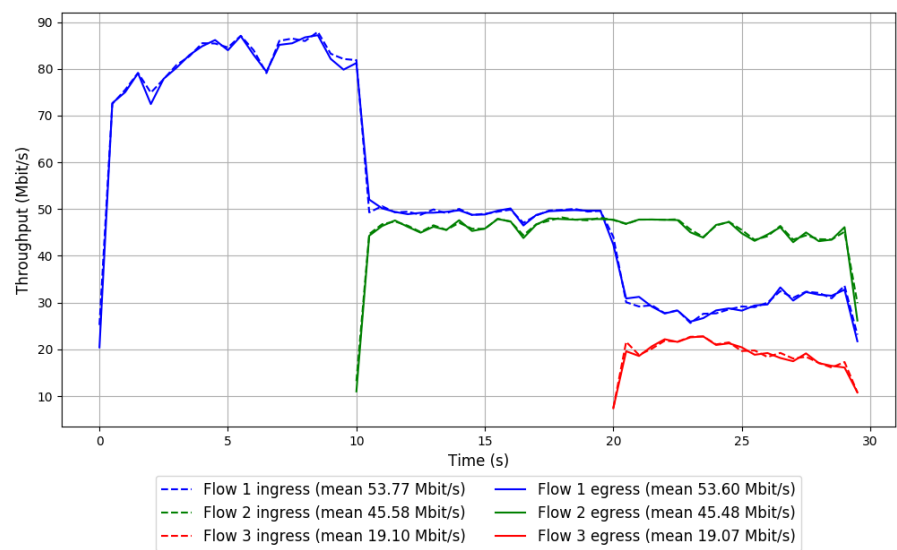
-- Flow 3:

Average throughput: 19.07 Mbit/s

95th percentile per-packet one-way delay: 53.603 ms

Loss rate: 0.80%

Run 8: Report of Indigo-calib — Data Link

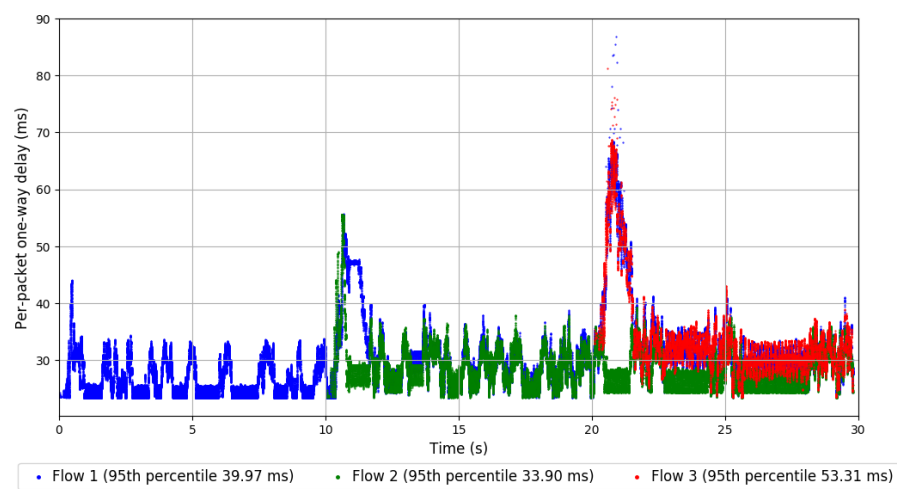
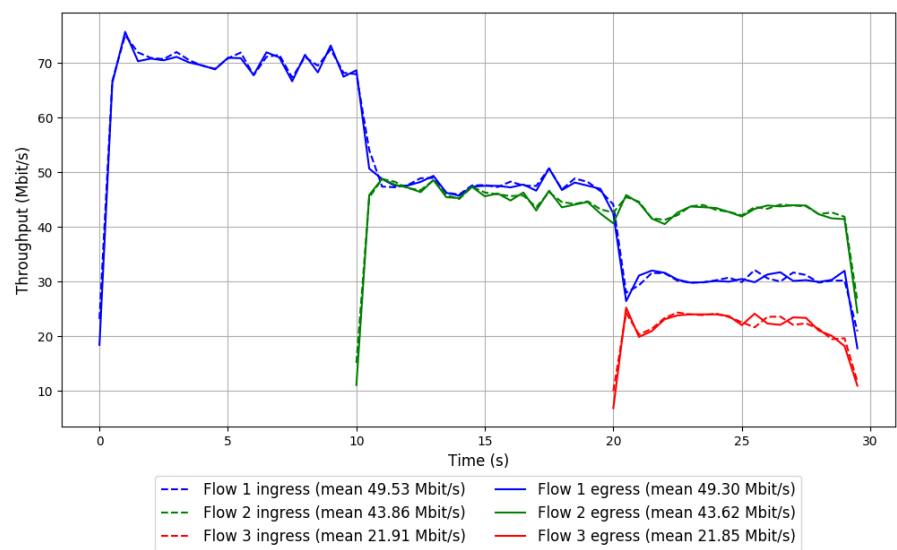


Run 9: Statistics of Indigo-calib

Start at: 2017-11-30 20:43:30
End at: 2017-11-30 20:44:00
Local clock offset: 0.459 ms
Remote clock offset: -1.092 ms

Below is generated by plot.py at 2017-12-01 00:46:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 37.319 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 49.30 Mbit/s
95th percentile per-packet one-way delay: 39.972 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 33.899 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 53.308 ms
Loss rate: 0.90%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-11-30 21:03:01
End at: 2017-11-30 21:03:31
Local clock offset: 0.051 ms
Remote clock offset: -3.682 ms

Below is generated by plot.py at 2017-12-01 00:46:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 38.903 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 38.018 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 45.029 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 38.112 ms
Loss rate: 1.19%

Run 10: Report of Indigo-calib — Data Link

