

Pantheon Report

Generated at 2018-03-15 14:47:25 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

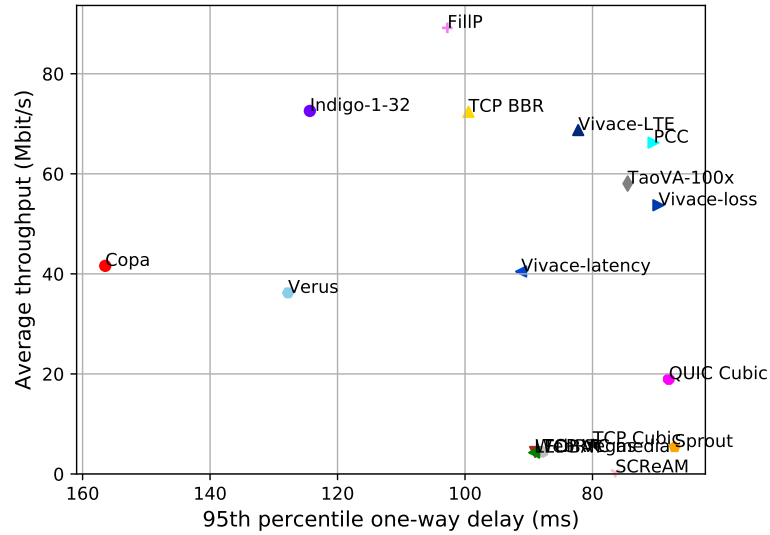
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

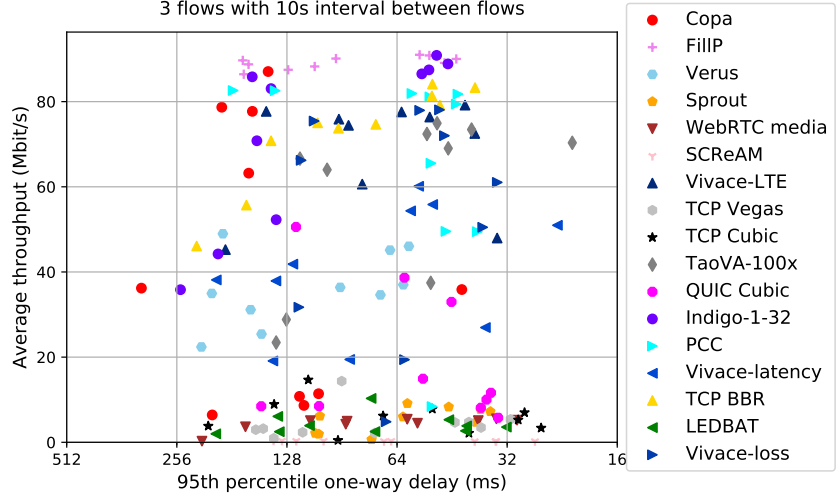
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



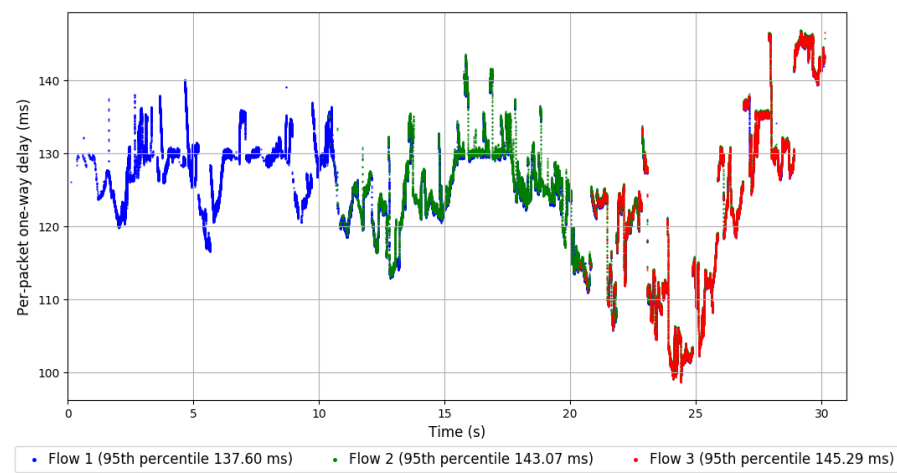
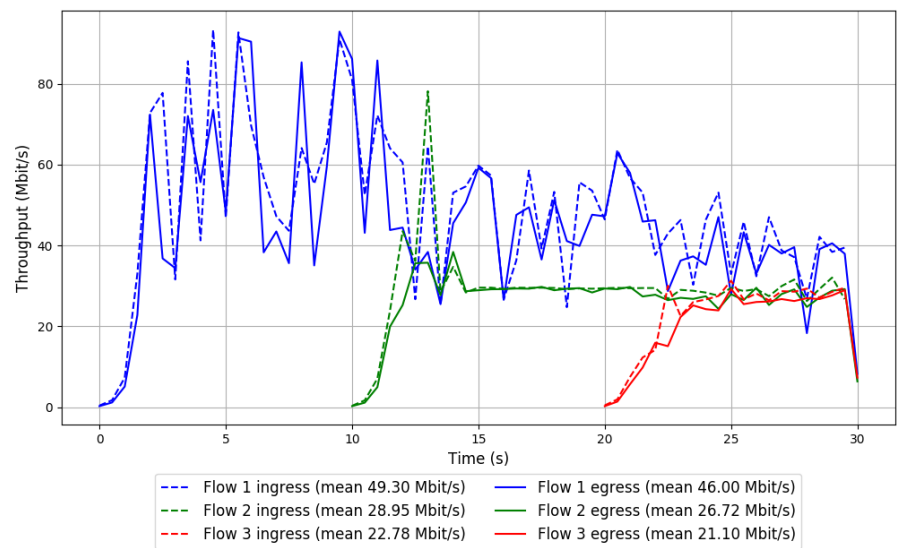
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	43.83	32.58	20.69	98.45	98.68	99.36	7.38	9.22	9.99
TCP Cubic	10	2.53	3.16	4.02	81.55	78.96	70.87	2.54	2.70	3.36
LEDBAT	10	2.27	2.14	1.77	89.02	88.92	86.75	1.27	1.17	1.34
PCC	10	43.45	28.26	12.14	69.71	70.83	70.21	2.97	3.29	4.35
QUIC Cubic	10	7.74	11.91	10.23	67.51	65.92	64.03	1.28	1.28	1.45
SCReAM	10	0.14	0.16	0.19	76.54	75.61	76.22	1.01	0.61	0.79
WebRTC media	10	2.41	1.50	0.51	89.46	87.21	88.01	4.76	4.21	4.23
Sprout	10	2.86	2.69	2.26	66.44	66.86	65.98	3.32	3.15	3.73
TaoVA-100x	10	46.96	13.32	6.79	75.39	69.99	69.44	6.51	10.70	11.87
TCP Vegas	10	2.29	2.34	1.75	84.59	86.82	93.15	2.04	2.02	2.31
Verus	10	23.84	16.42	6.56	118.18	122.04	116.70	77.83	76.52	54.08
Copa	10	33.60	6.09	14.07	139.95	105.57	133.34	38.40	24.02	19.58
FillP	10	34.25	47.16	71.13	97.12	99.40	103.75	32.07	34.90	38.50
Indigo-1-32	10	38.63	34.65	36.22	121.43	124.29	126.53	36.74	47.93	59.80
Vivace-latency	10	17.14	31.95	6.31	90.50	91.22	91.42	1.46	1.60	1.36
Vivace-loss	10	39.95	17.73	6.02	69.38	69.20	63.83	1.92	2.42	3.02
Vivace-LTE	10	52.79	19.31	9.50	80.61	81.35	83.71	1.67	2.37	3.13

Run 1: Statistics of TCP BBR

Start at: 2018-03-15 09:56:59
End at: 2018-03-15 09:57:29
Local clock offset: 1.28 ms
Remote clock offset: 18.583 ms

Below is generated by plot.py at 2018-03-15 14:29:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.81 Mbit/s
95th percentile per-packet one-way delay: 141.464 ms
Loss rate: 6.93%
-- Flow 1:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 137.598 ms
Loss rate: 6.64%
-- Flow 2:
Average throughput: 26.72 Mbit/s
95th percentile per-packet one-way delay: 143.072 ms
Loss rate: 7.61%
-- Flow 3:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 145.293 ms
Loss rate: 7.07%

Run 1: Report of TCP BBR — Data Link

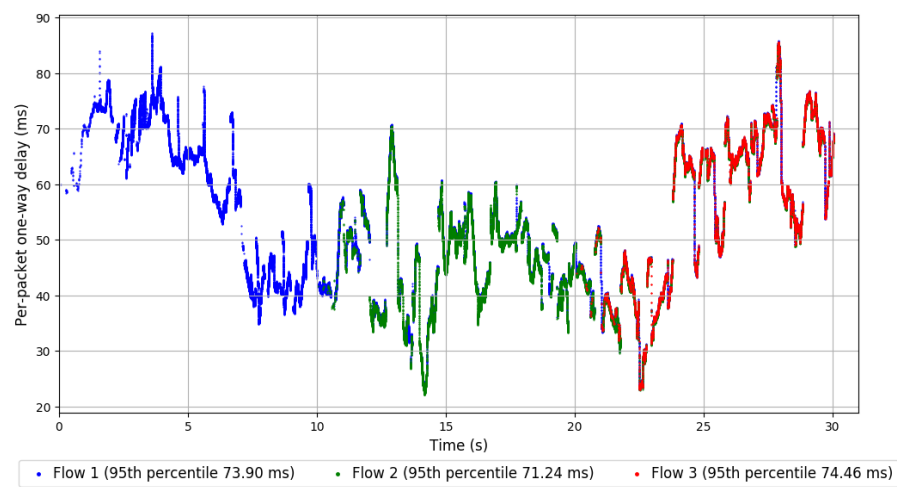
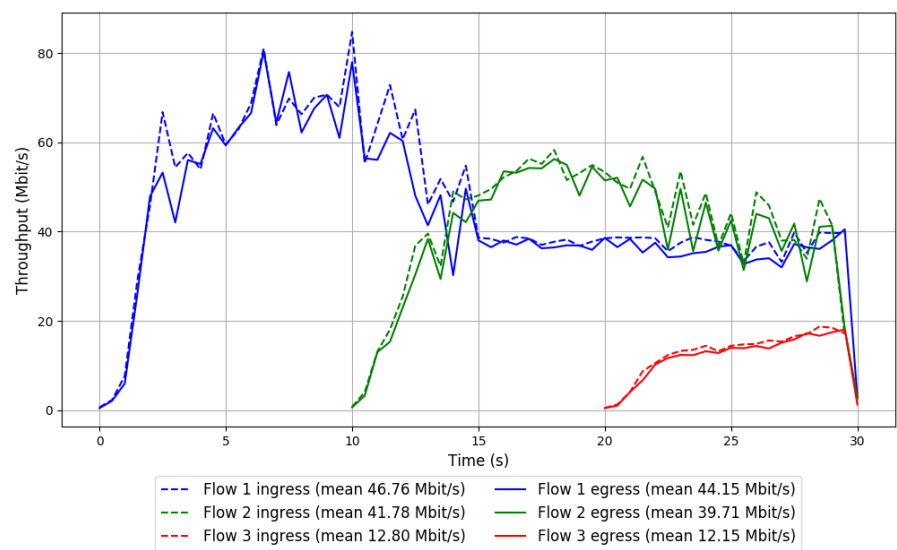


Run 2: Statistics of TCP BBR

Start at: 2018-03-15 10:24:38
End at: 2018-03-15 10:25:08
Local clock offset: -0.059 ms
Remote clock offset: -4.268 ms

Below is generated by plot.py at 2018-03-15 14:30:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.67 Mbit/s
95th percentile per-packet one-way delay: 73.149 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 73.898 ms
Loss rate: 5.54%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 71.243 ms
Loss rate: 4.81%
-- Flow 3:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 74.463 ms
Loss rate: 4.83%

Run 2: Report of TCP BBR — Data Link

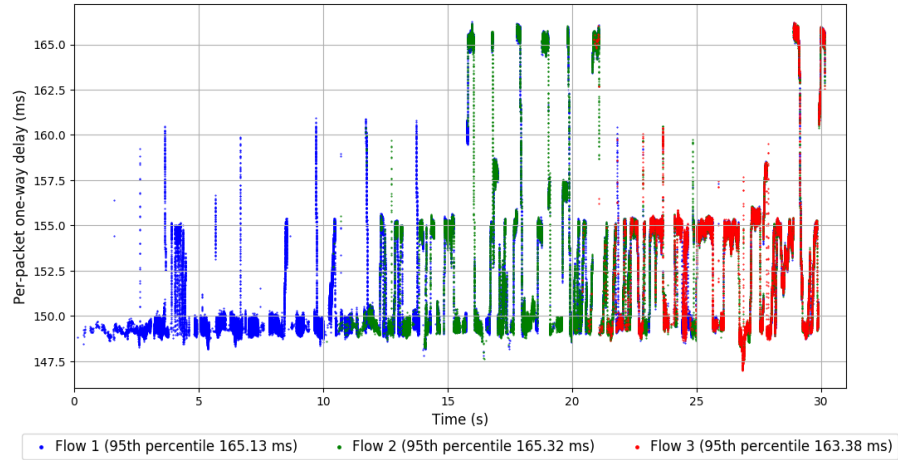
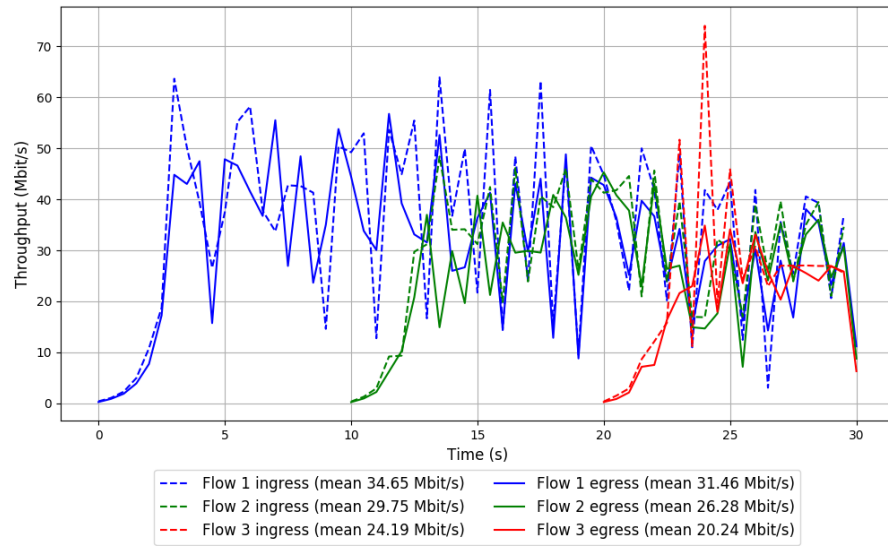


Run 3: Statistics of TCP BBR

Start at: 2018-03-15 10:52:43
End at: 2018-03-15 10:53:13
Local clock offset: 3.727 ms
Remote clock offset: 47.424 ms

Below is generated by plot.py at 2018-03-15 14:30:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 165.199 ms
Loss rate: 10.86%
-- Flow 1:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 165.129 ms
Loss rate: 9.18%
-- Flow 2:
Average throughput: 26.28 Mbit/s
95th percentile per-packet one-way delay: 165.319 ms
Loss rate: 11.60%
-- Flow 3:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 163.379 ms
Loss rate: 16.24%

Run 3: Report of TCP BBR — Data Link

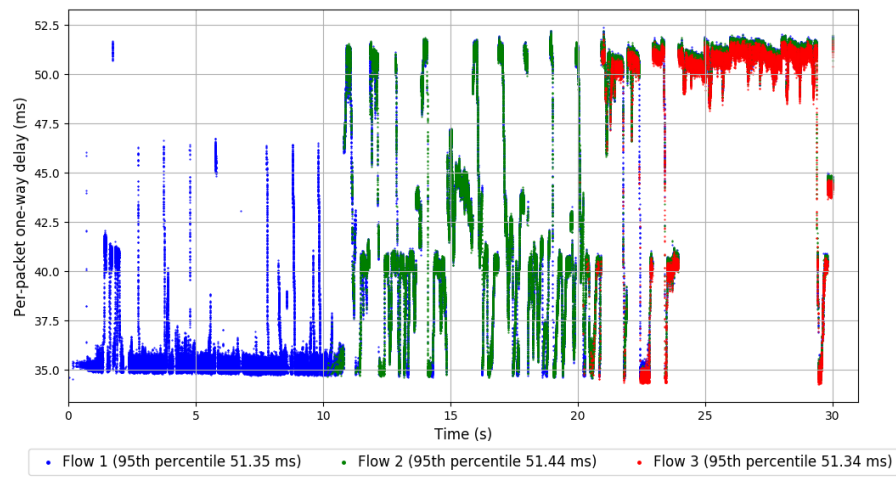
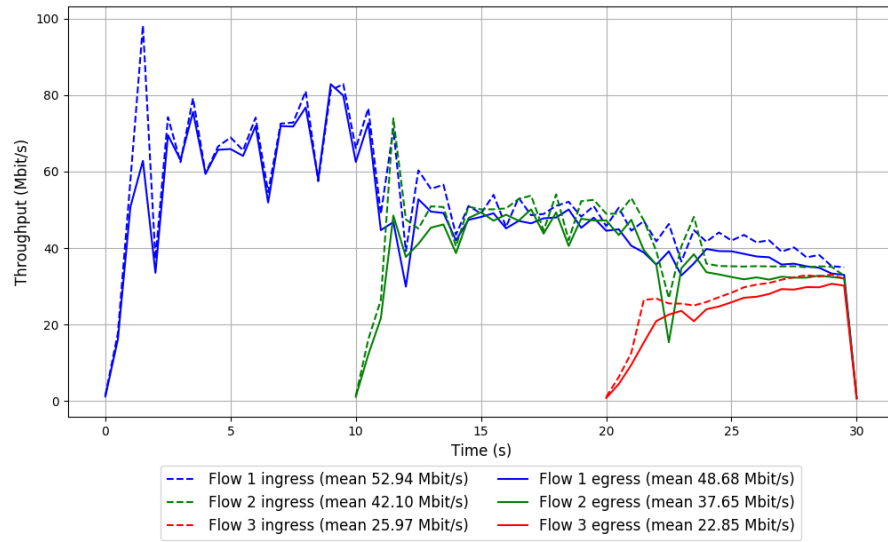


Run 4: Statistics of TCP BBR

Start at: 2018-03-15 11:17:51
End at: 2018-03-15 11:18:21
Local clock offset: 9.056 ms
Remote clock offset: 45.518 ms

Below is generated by plot.py at 2018-03-15 14:30:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.34 Mbit/s
95th percentile per-packet one-way delay: 51.383 ms
Loss rate: 9.16%
-- Flow 1:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 51.347 ms
Loss rate: 8.00%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 51.444 ms
Loss rate: 10.50%
-- Flow 3:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 51.345 ms
Loss rate: 11.95%

Run 4: Report of TCP BBR — Data Link

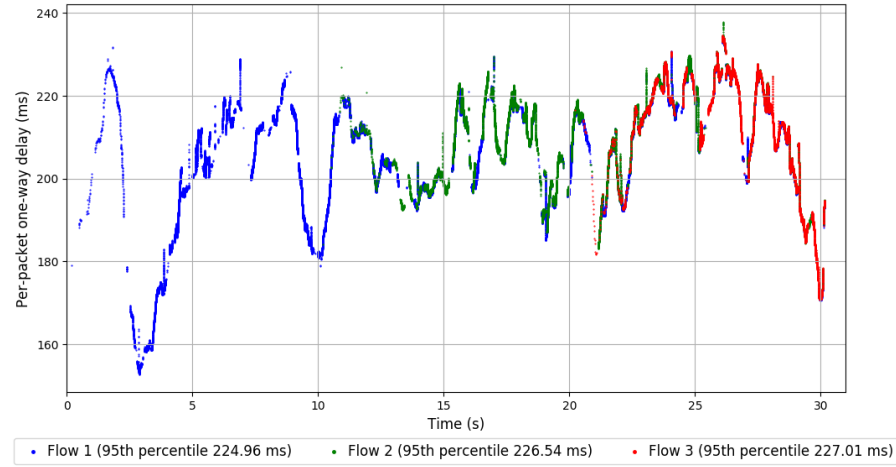
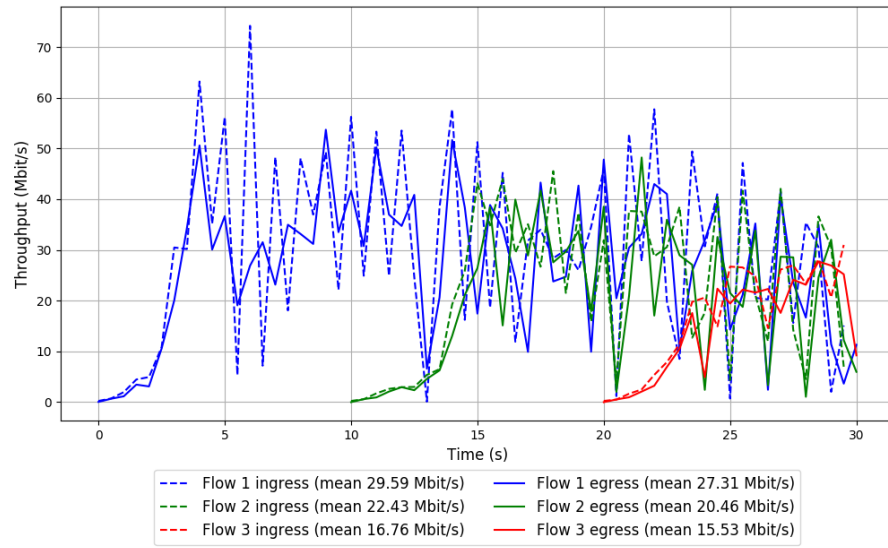


Run 5: Statistics of TCP BBR

Start at: 2018-03-15 11:43:14
End at: 2018-03-15 11:43:44
Local clock offset: 3.42 ms
Remote clock offset: 36.291 ms

Below is generated by plot.py at 2018-03-15 14:30:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 226.003 ms
Loss rate: 7.95%
-- Flow 1:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 224.959 ms
Loss rate: 7.64%
-- Flow 2:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 226.540 ms
Loss rate: 8.71%
-- Flow 3:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 227.010 ms
Loss rate: 7.56%

Run 5: Report of TCP BBR — Data Link

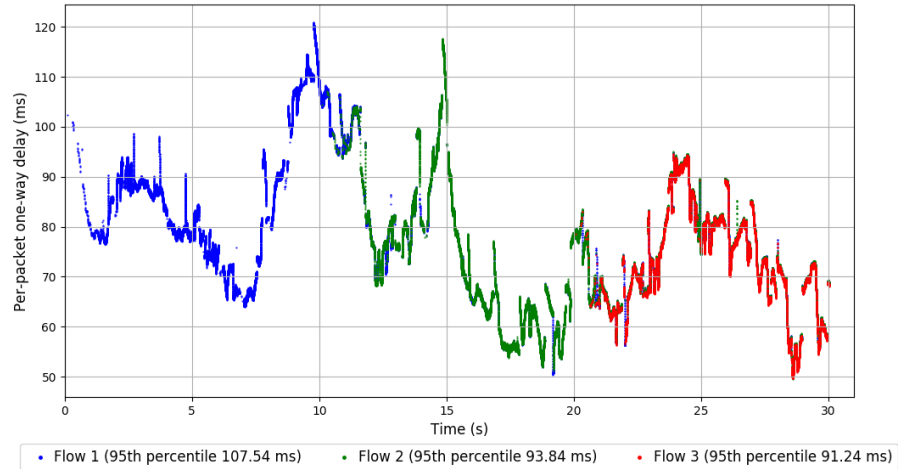
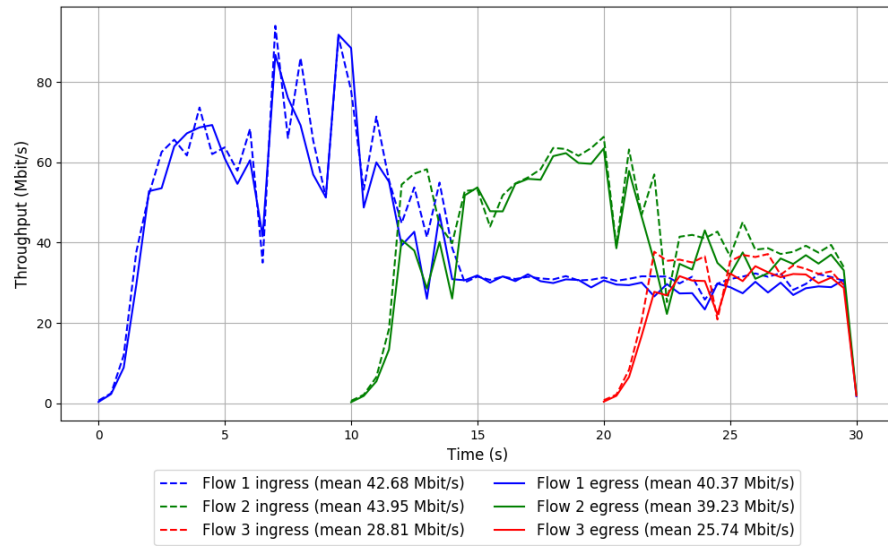


Run 6: Statistics of TCP BBR

Start at: 2018-03-15 12:09:20
End at: 2018-03-15 12:09:50
Local clock offset: 2.079 ms
Remote clock offset: 44.289 ms

Below is generated by plot.py at 2018-03-15 14:30:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 105.535 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 107.540 ms
Loss rate: 5.54%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 93.839 ms
Loss rate: 10.90%
-- Flow 3:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 91.238 ms
Loss rate: 10.73%

Run 6: Report of TCP BBR — Data Link

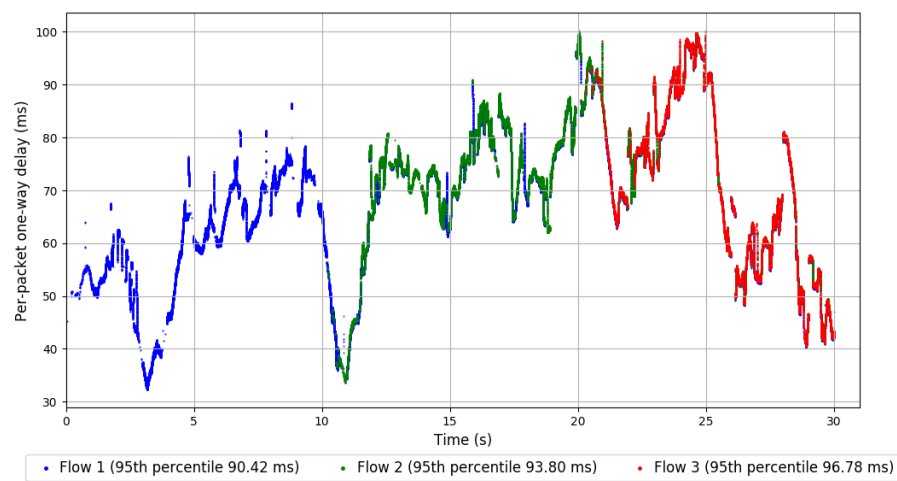
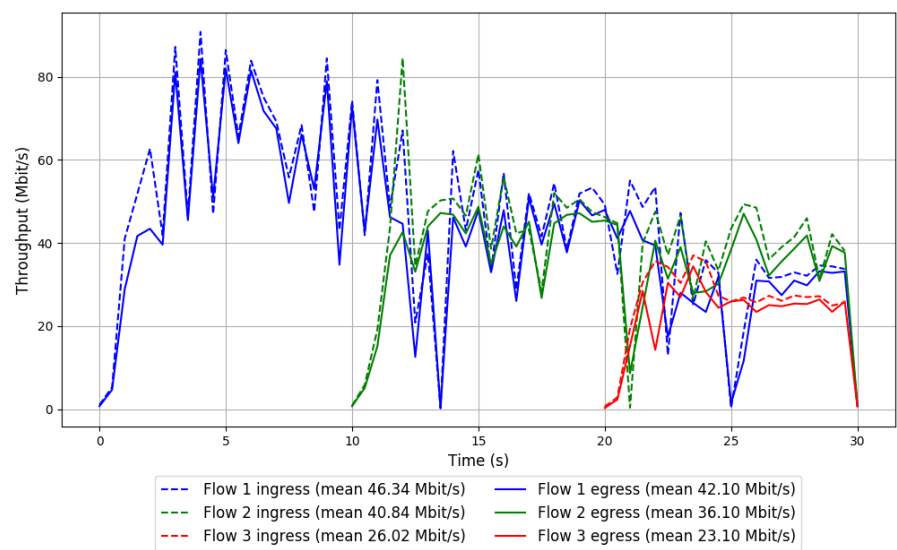


Run 7: Statistics of TCP BBR

Start at: 2018-03-15 12:34:48
End at: 2018-03-15 12:35:18
Local clock offset: 4.321 ms
Remote clock offset: 44.498 ms

Below is generated by plot.py at 2018-03-15 14:30:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.75 Mbit/s
95th percentile per-packet one-way delay: 92.538 ms
Loss rate: 10.24%
-- Flow 1:
Average throughput: 42.10 Mbit/s
95th percentile per-packet one-way delay: 90.417 ms
Loss rate: 9.16%
-- Flow 2:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 93.797 ms
Loss rate: 11.67%
-- Flow 3:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 96.784 ms
Loss rate: 11.59%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-15 13:01:37

End at: 2018-03-15 13:02:07

Local clock offset: 5.509 ms

Remote clock offset: 39.29 ms

Below is generated by plot.py at 2018-03-15 14:30:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.11 Mbit/s

95th percentile per-packet one-way delay: 51.223 ms

Loss rate: 6.76%

-- Flow 1:

Average throughput: 57.07 Mbit/s

95th percentile per-packet one-way delay: 46.193 ms

Loss rate: 6.79%

-- Flow 2:

Average throughput: 30.15 Mbit/s

95th percentile per-packet one-way delay: 52.959 ms

Loss rate: 5.98%

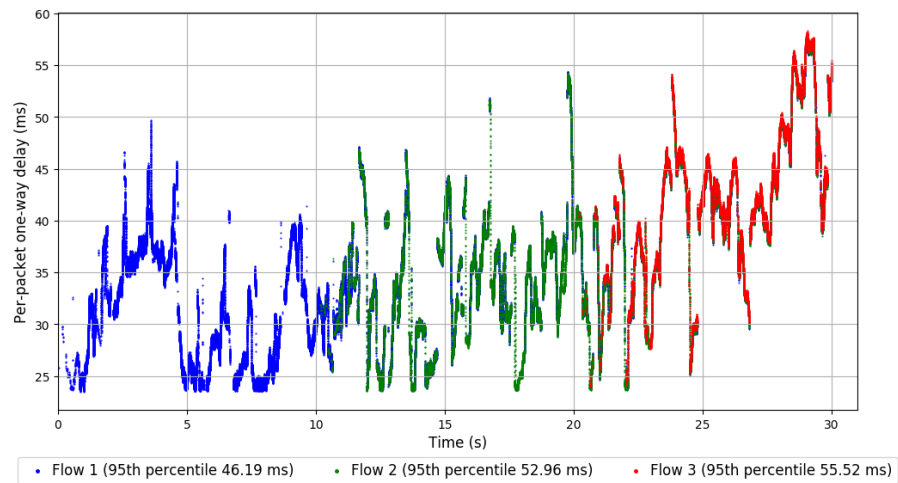
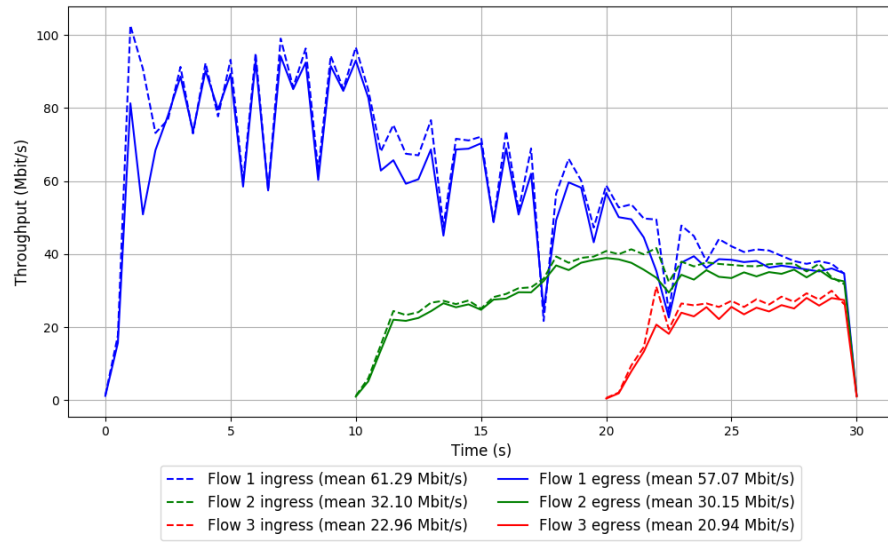
-- Flow 3:

Average throughput: 20.94 Mbit/s

95th percentile per-packet one-way delay: 55.522 ms

Loss rate: 8.65%

Run 8: Report of TCP BBR — Data Link

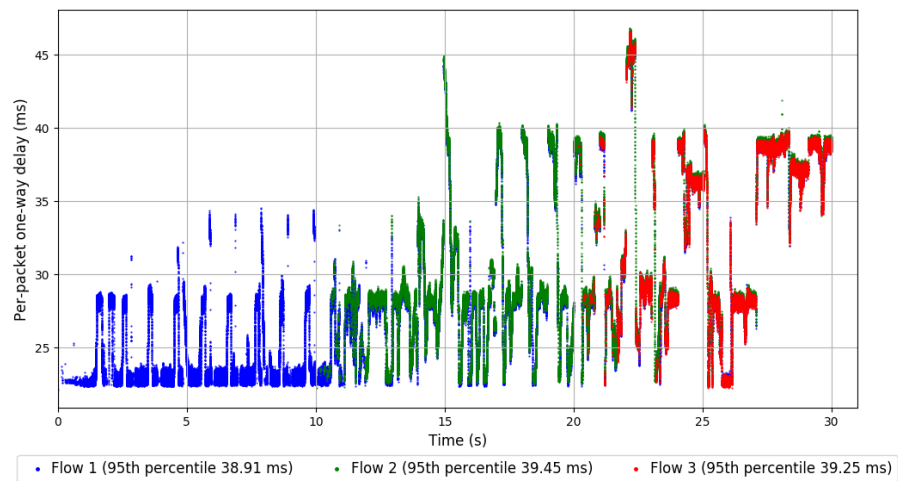
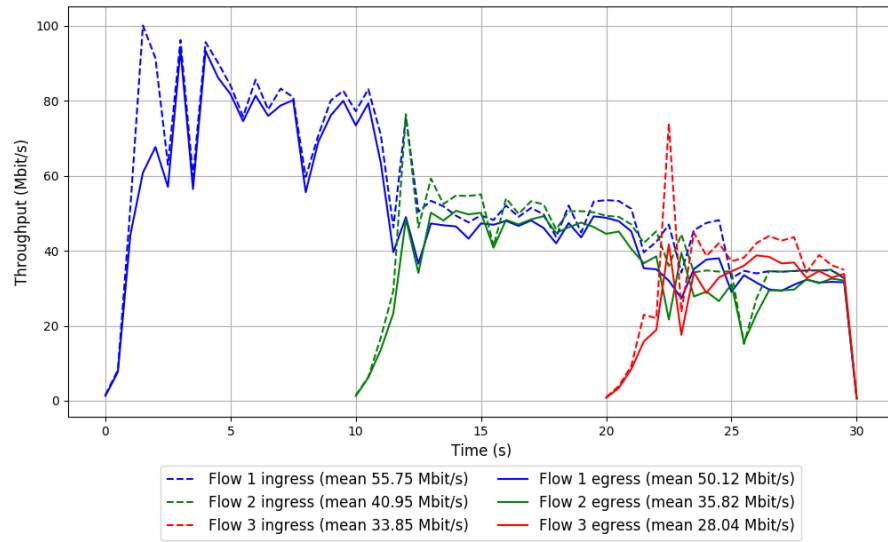


Run 9: Statistics of TCP BBR

Start at: 2018-03-15 13:26:37
End at: 2018-03-15 13:27:07
Local clock offset: 3.38 ms
Remote clock offset: 36.094 ms

Below is generated by plot.py at 2018-03-15 14:31:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 39.173 ms
Loss rate: 11.58%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 38.911 ms
Loss rate: 10.04%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 39.453 ms
Loss rate: 12.44%
-- Flow 3:
Average throughput: 28.04 Mbit/s
95th percentile per-packet one-way delay: 39.252 ms
Loss rate: 17.16%

Run 9: Report of TCP BBR — Data Link

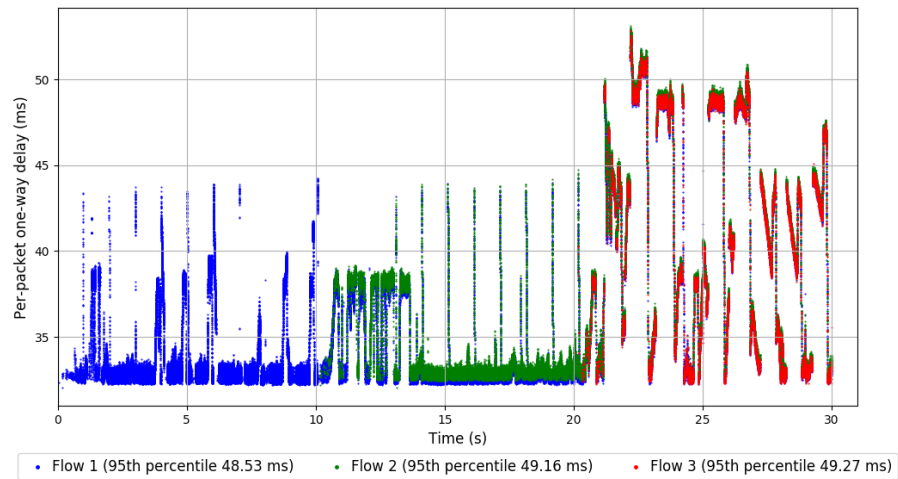
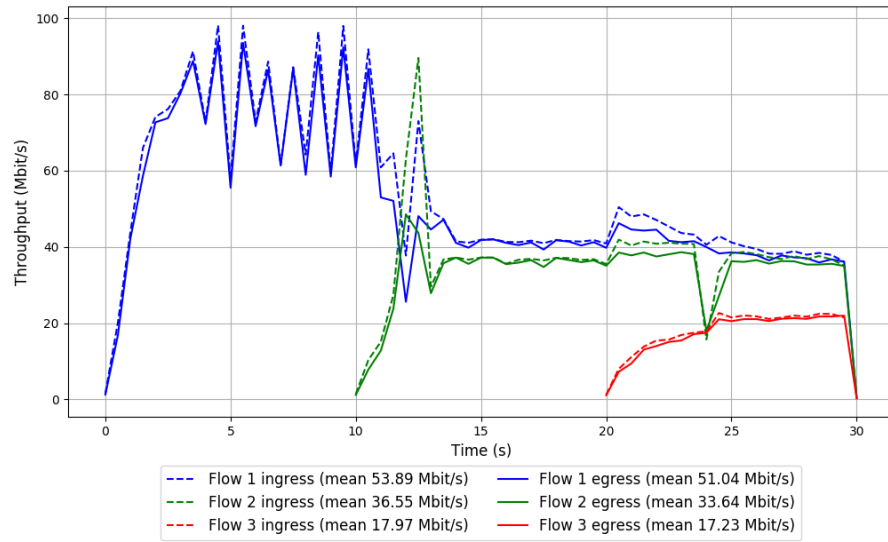


Run 10: Statistics of TCP BBR

Start at: 2018-03-15 13:51:55
End at: 2018-03-15 13:52:25
Local clock offset: 2.493 ms
Remote clock offset: 49.017 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 48.884 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 48.527 ms
Loss rate: 5.29%
-- Flow 2:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 49.163 ms
Loss rate: 7.97%
-- Flow 3:
Average throughput: 17.23 Mbit/s
95th percentile per-packet one-way delay: 49.275 ms
Loss rate: 4.12%

Run 10: Report of TCP BBR — Data Link

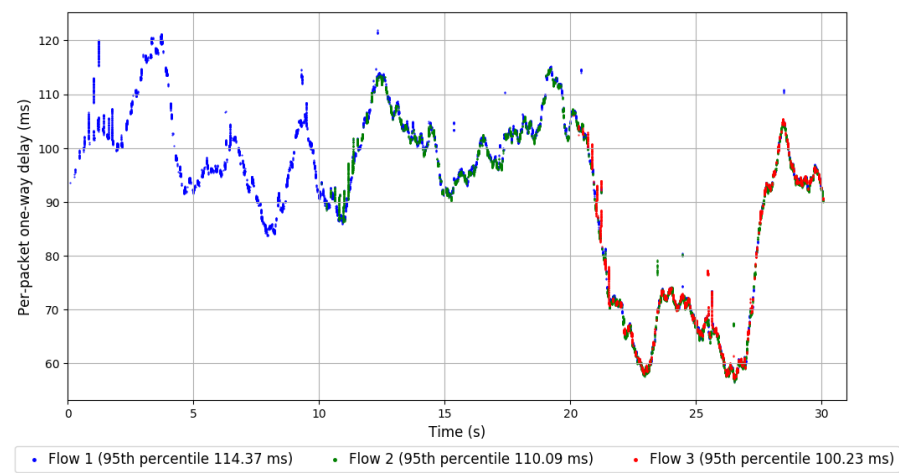
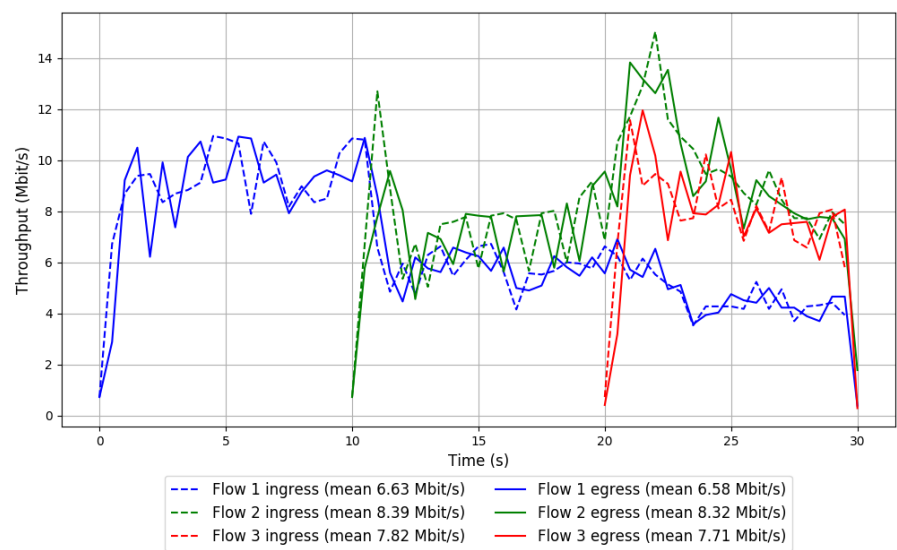


Run 1: Statistics of TCP Cubic

Start at: 2018-03-15 09:46:05
End at: 2018-03-15 09:46:35
Local clock offset: 3.736 ms
Remote clock offset: 39.176 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.67 Mbit/s
95th percentile per-packet one-way delay: 111.909 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 114.367 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 110.089 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 100.226 ms
Loss rate: 1.57%

Run 1: Report of TCP Cubic — Data Link

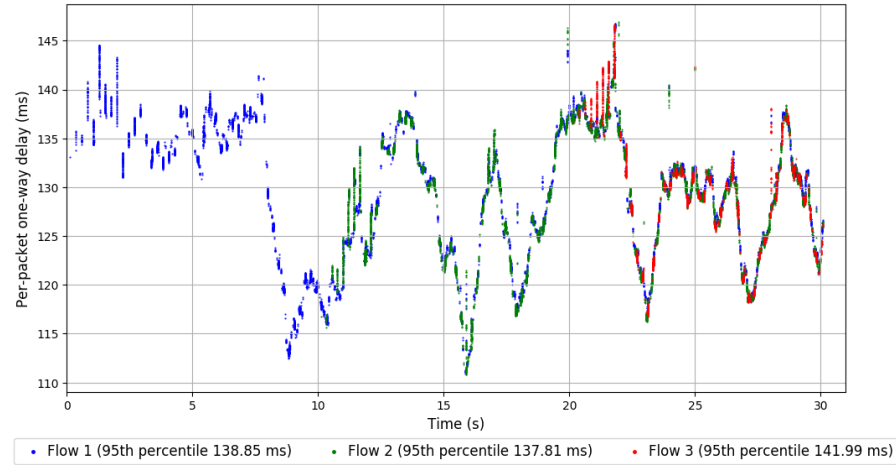
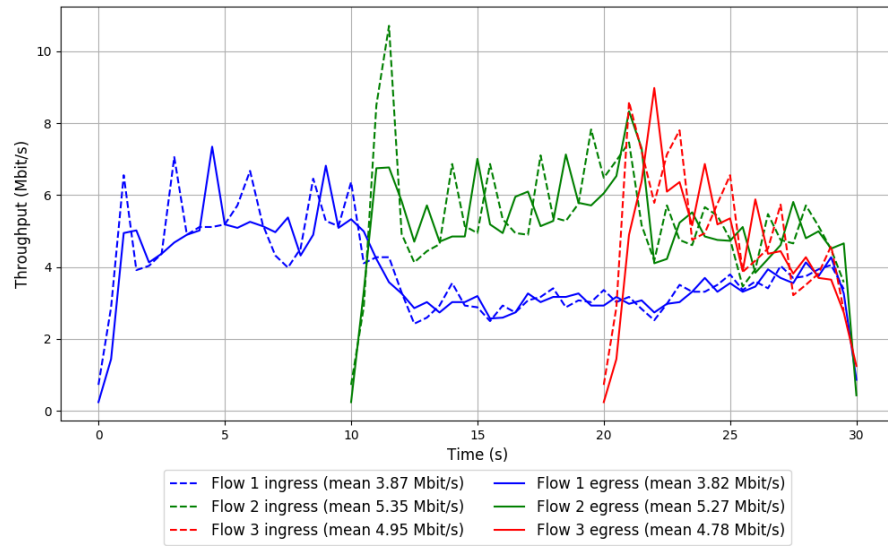


Run 2: Statistics of TCP Cubic

Start at: 2018-03-15 10:13:53
End at: 2018-03-15 10:14:23
Local clock offset: -0.718 ms
Remote clock offset: 35.882 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.92 Mbit/s
95th percentile per-packet one-way delay: 138.755 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 138.849 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 137.809 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 141.990 ms
Loss rate: 3.44%

Run 2: Report of TCP Cubic — Data Link

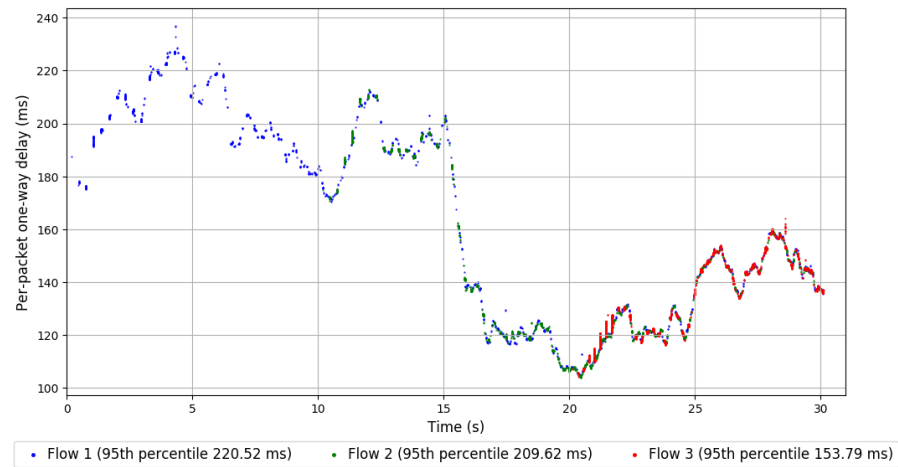
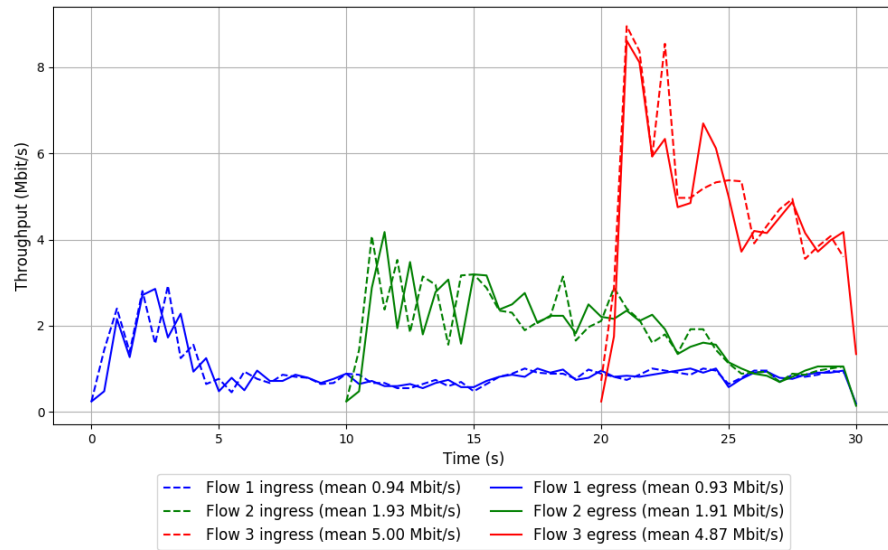


Run 3: Statistics of TCP Cubic

Start at: 2018-03-15 10:40:54
End at: 2018-03-15 10:41:24
Local clock offset: 3.036 ms
Remote clock offset: 22.732 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 210.034 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 220.520 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 209.618 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 153.795 ms
Loss rate: 2.31%

Run 3: Report of TCP Cubic — Data Link

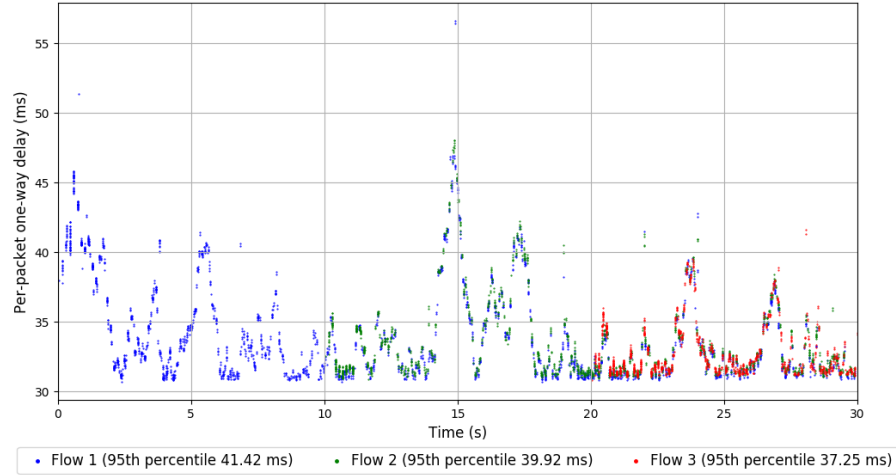
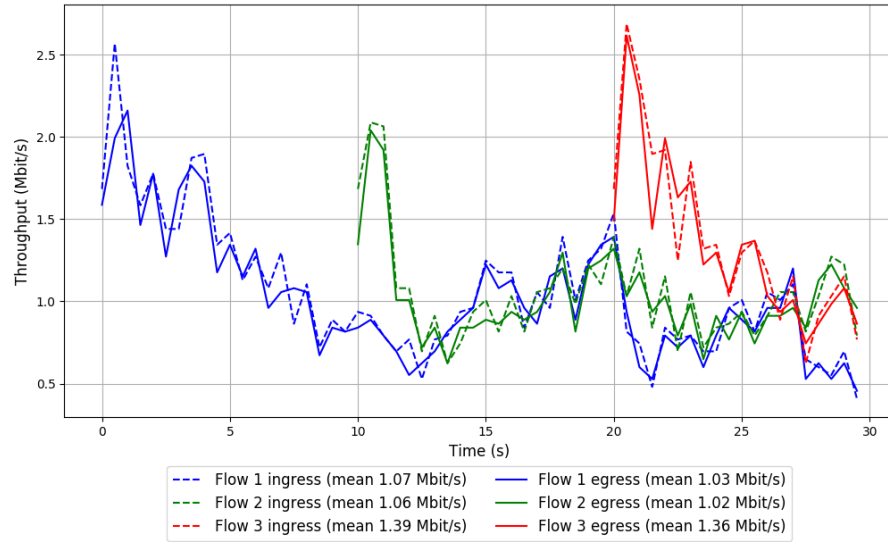


Run 4: Statistics of TCP Cubic

Start at: 2018-03-15 11:07:28
End at: 2018-03-15 11:07:58
Local clock offset: 7.306 ms
Remote clock offset: 31.238 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 40.706 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 41.425 ms
Loss rate: 3.58%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 39.920 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 37.249 ms
Loss rate: 2.69%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-15 11:32:34

End at: 2018-03-15 11:33:04

Local clock offset: 8.72 ms

Remote clock offset: 44.06 ms

Below is generated by plot.py at 2018-03-15 14:31:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 25.835 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 25.056 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 27.181 ms

Loss rate: 2.06%

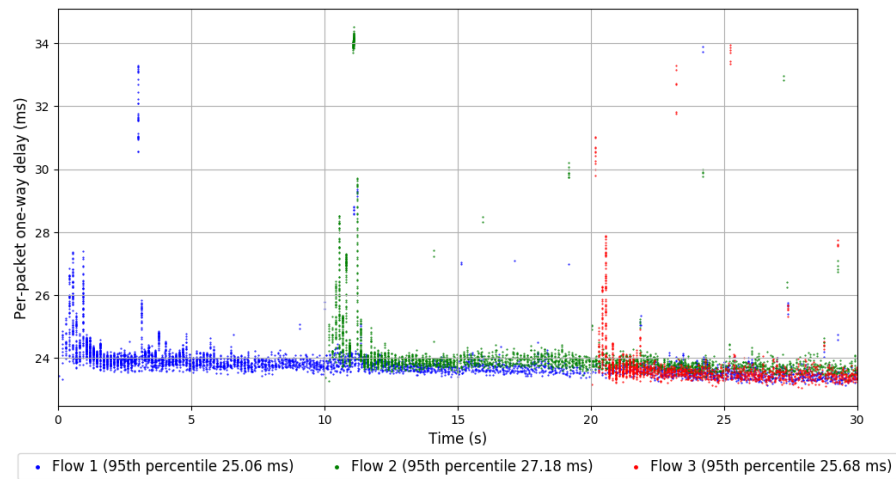
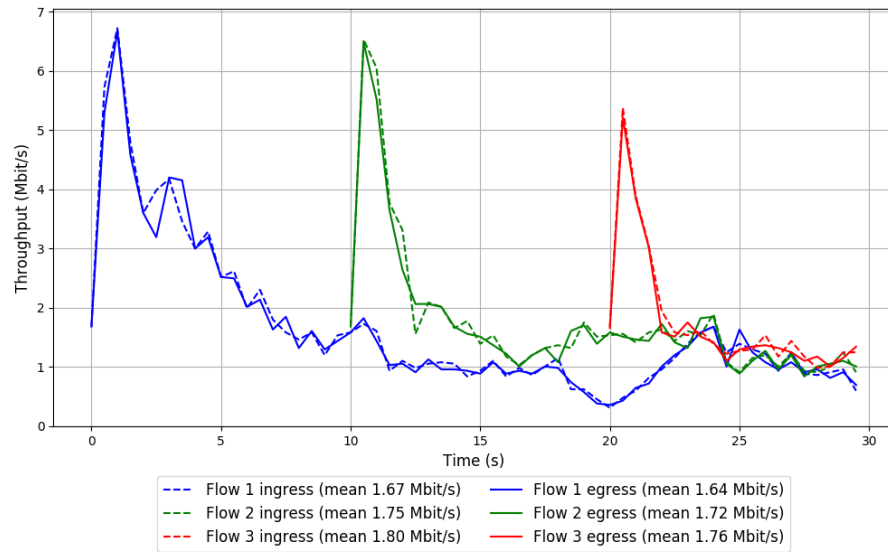
-- Flow 3:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 25.685 ms

Loss rate: 1.95%

Run 5: Report of TCP Cubic — Data Link

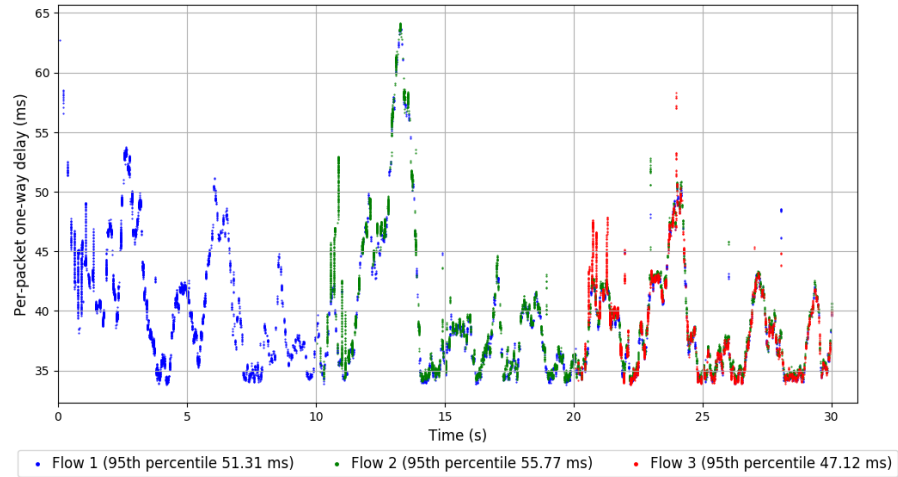
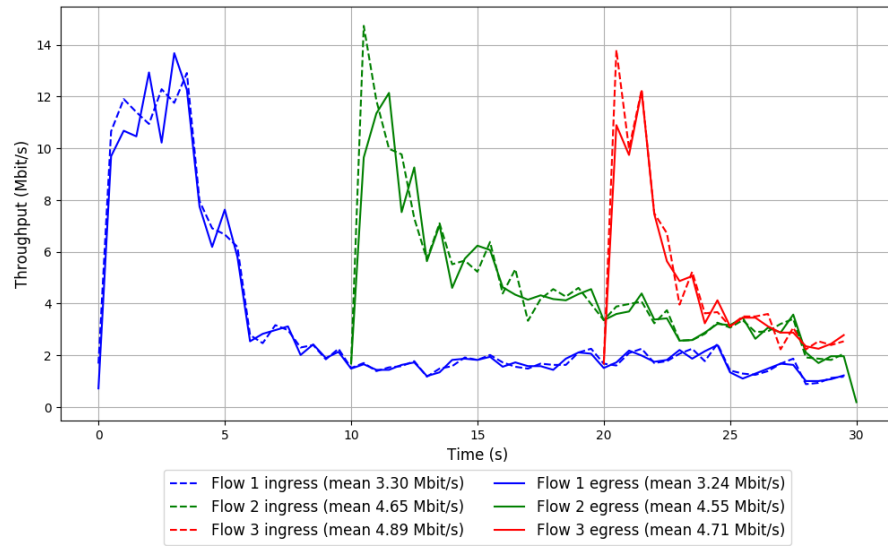


Run 6: Statistics of TCP Cubic

Start at: 2018-03-15 11:58:44
End at: 2018-03-15 11:59:14
Local clock offset: 1.095 ms
Remote clock offset: 48.255 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 51.261 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 51.306 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 55.772 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 47.123 ms
Loss rate: 3.58%

Run 6: Report of TCP Cubic — Data Link

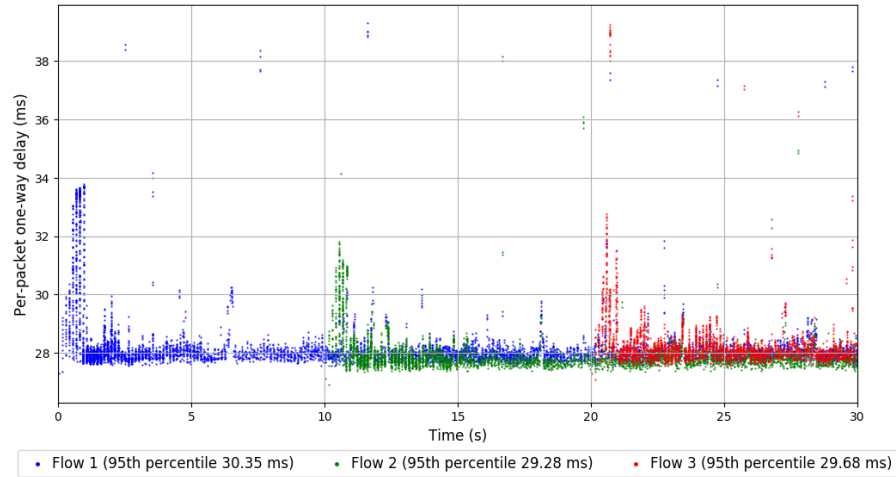
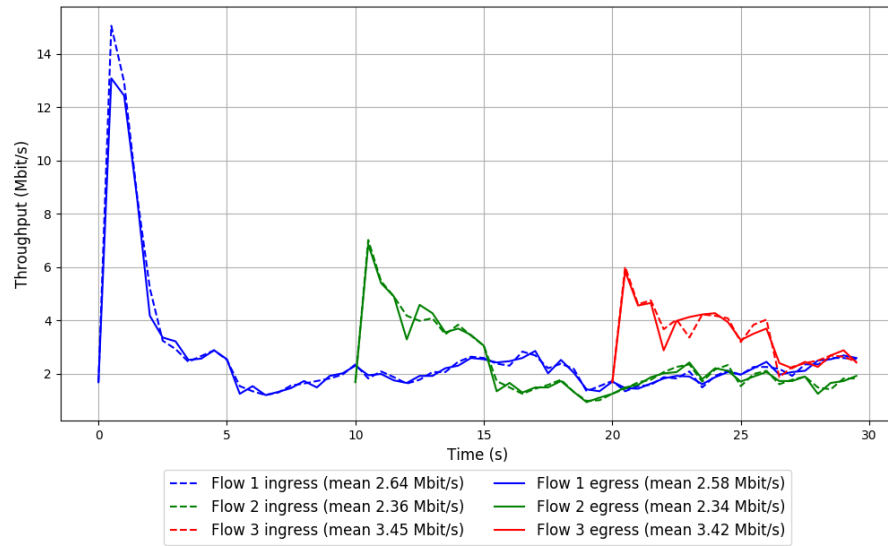


Run 7: Statistics of TCP Cubic

Start at: 2018-03-15 12:24:27
End at: 2018-03-15 12:24:57
Local clock offset: 3.864 ms
Remote clock offset: 43.123 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 29.846 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 30.354 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 29.282 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 29.681 ms
Loss rate: 0.77%

Run 7: Report of TCP Cubic — Data Link

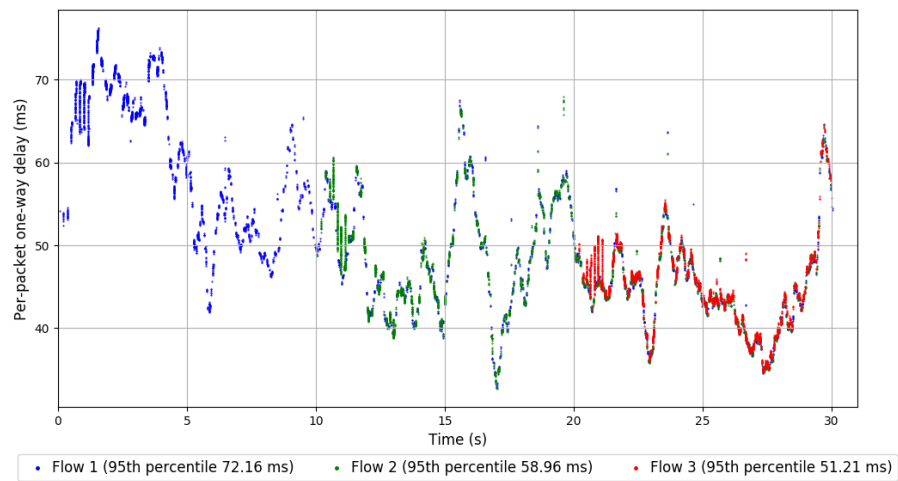
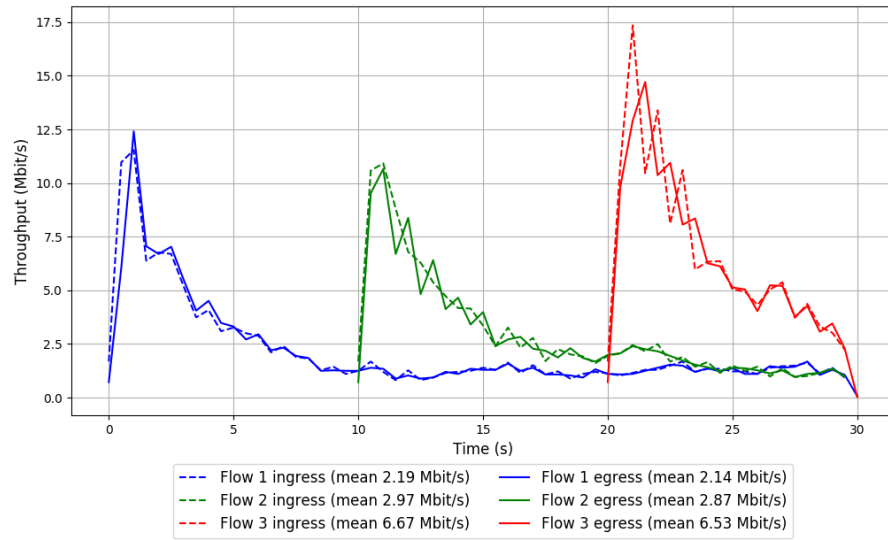


Run 8: Statistics of TCP Cubic

Start at: 2018-03-15 12:51:10
End at: 2018-03-15 12:51:40
Local clock offset: 5.047 ms
Remote clock offset: 51.144 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 69.859 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 72.159 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 58.957 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 51.207 ms
Loss rate: 2.03%

Run 8: Report of TCP Cubic — Data Link

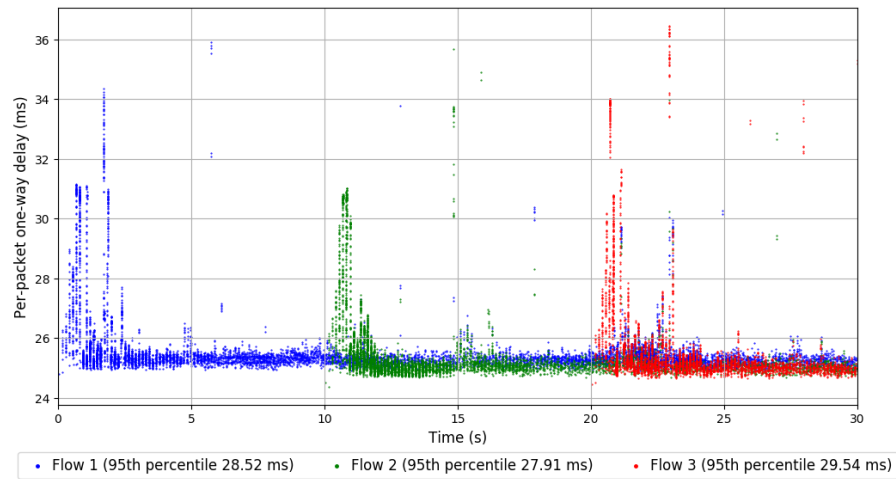
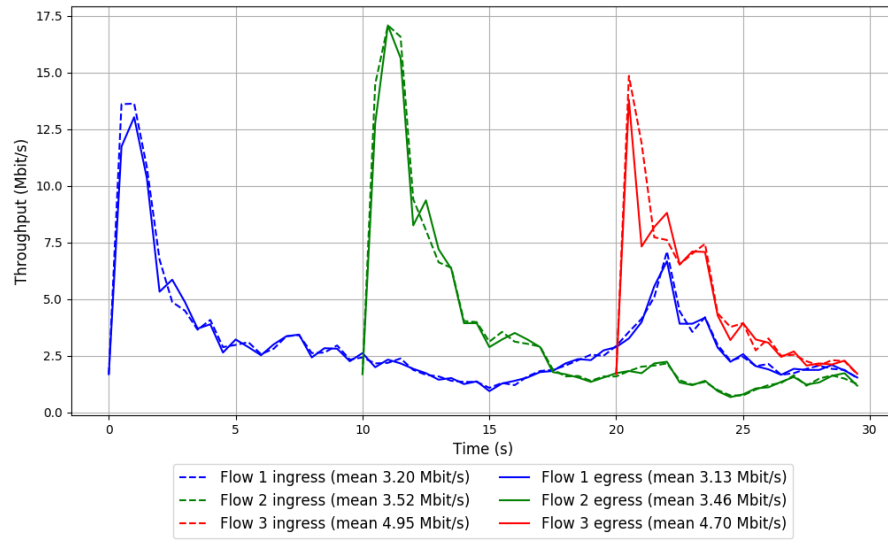


Run 9: Statistics of TCP Cubic

Start at: 2018-03-15 13:16:15
End at: 2018-03-15 13:16:45
Local clock offset: 5.06 ms
Remote clock offset: 38.818 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 28.682 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 28.525 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 27.912 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 29.541 ms
Loss rate: 4.83%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-03-15 13:41:32

End at: 2018-03-15 13:42:02

Local clock offset: -0.259 ms

Remote clock offset: 0.986 ms

Below is generated by plot.py at 2018-03-15 14:31:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 92.816 ms

Loss rate: 9.10%

-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 92.890 ms

Loss rate: 8.07%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 93.080 ms

Loss rate: 9.89%

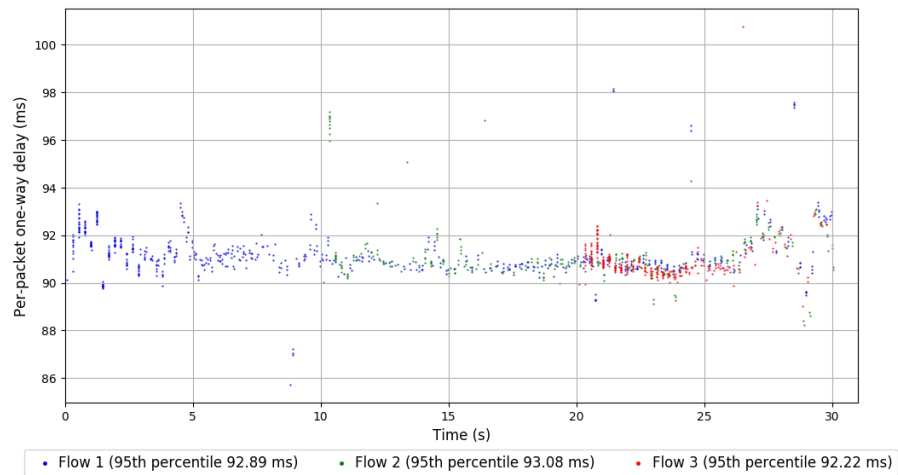
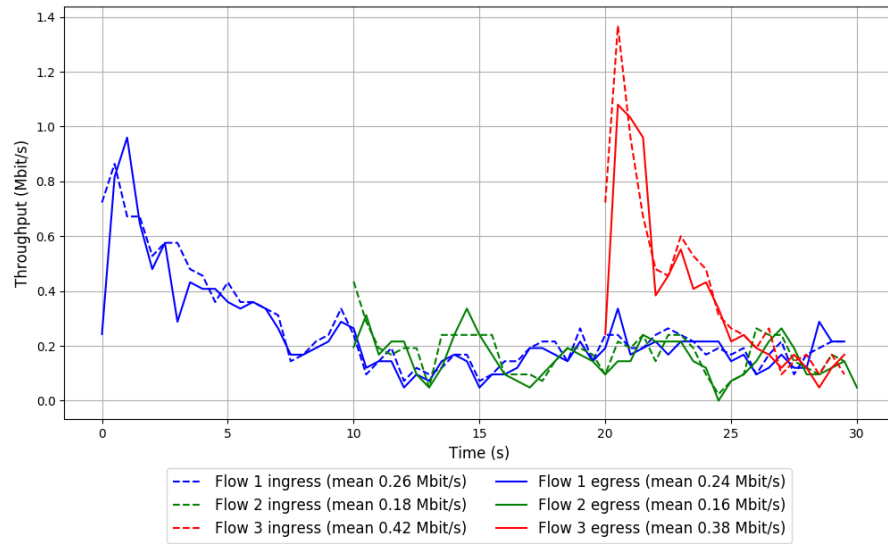
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 92.219 ms

Loss rate: 10.40%

Run 10: Report of TCP Cubic — Data Link

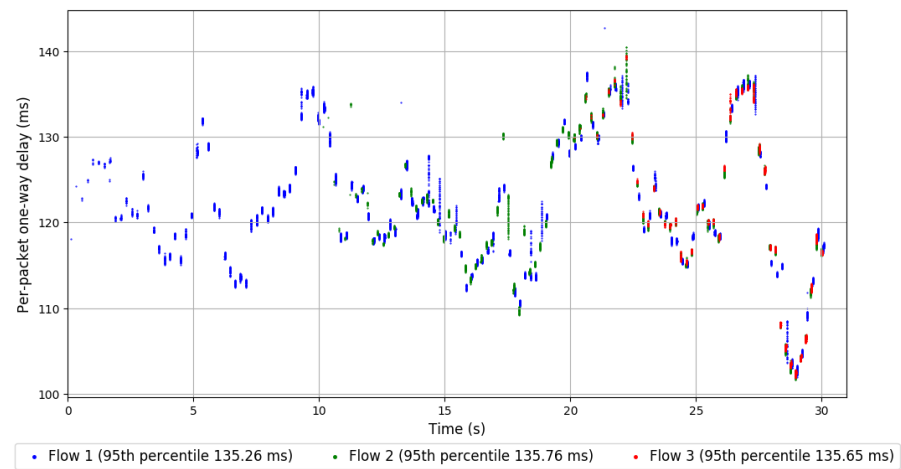
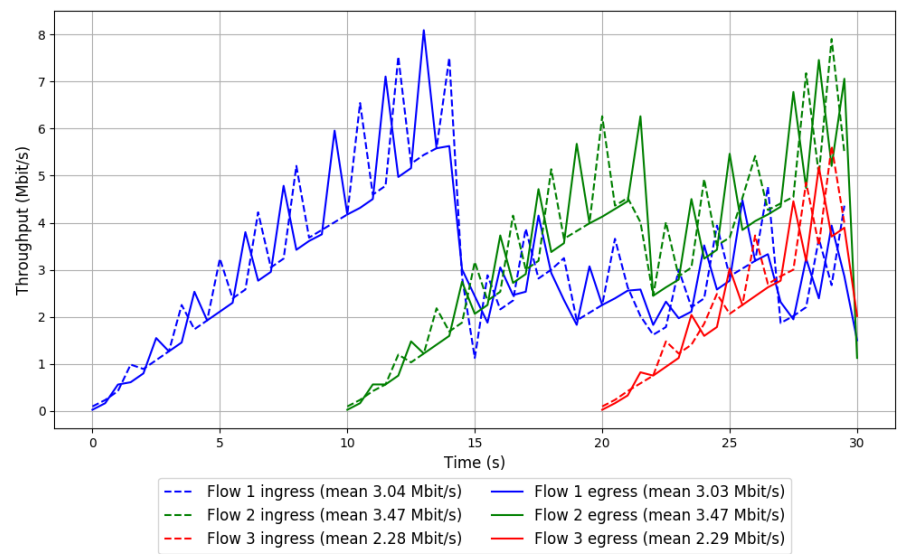


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-15 09:59:53
End at: 2018-03-15 10:00:23
Local clock offset: 0.68 ms
Remote clock offset: 23.687 ms

# Below is generated by plot.py at 2018-03-15 14:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 135.587 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 135.264 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 135.756 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 135.648 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-03-15 10:27:18

End at: 2018-03-15 10:27:48

Local clock offset: 0.811 ms

Remote clock offset: 33.71 ms

Below is generated by plot.py at 2018-03-15 14:31:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 75.359 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 6.18 Mbit/s

95th percentile per-packet one-way delay: 75.533 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 75.548 ms

Loss rate: 0.30%

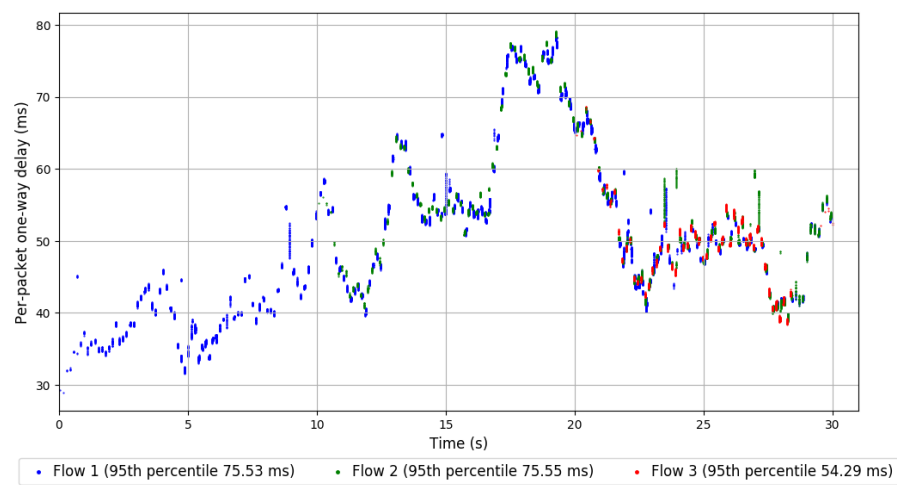
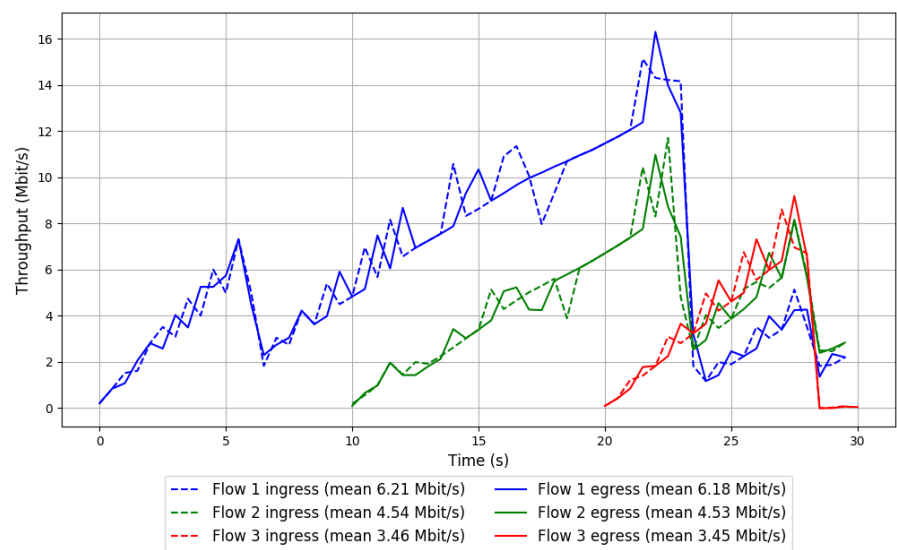
-- Flow 3:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 54.293 ms

Loss rate: 0.24%

Run 2: Report of LEDBAT — Data Link

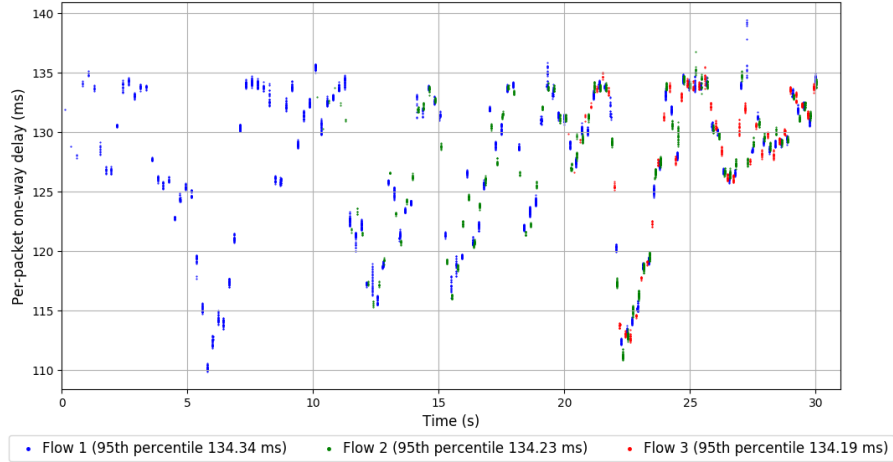
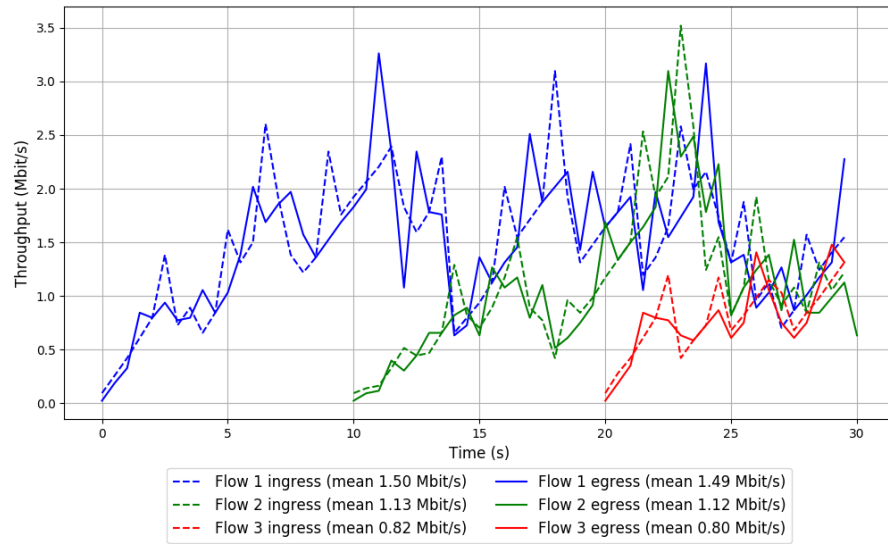


Run 3: Statistics of LEDBAT

Start at: 2018-03-15 10:55:28
End at: 2018-03-15 10:55:58
Local clock offset: 3.199 ms
Remote clock offset: 30.991 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 134.303 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 134.338 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 134.231 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 134.193 ms
Loss rate: 2.06%

Run 3: Report of LEDBAT — Data Link

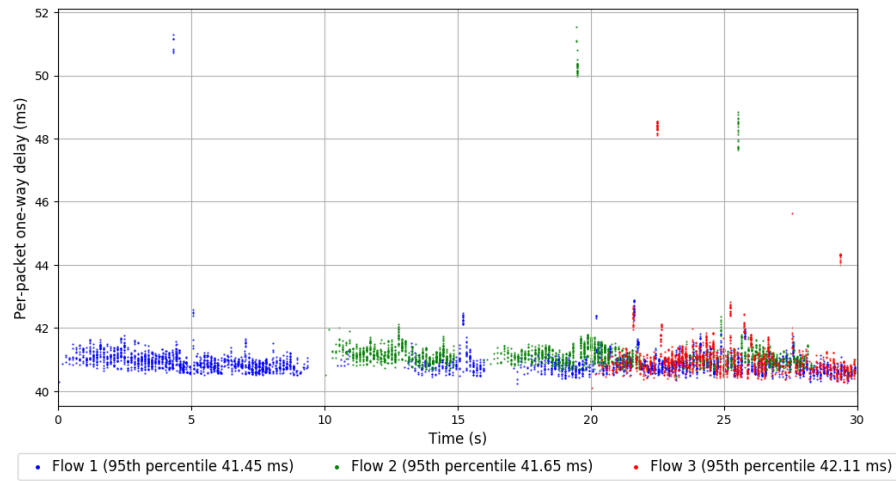
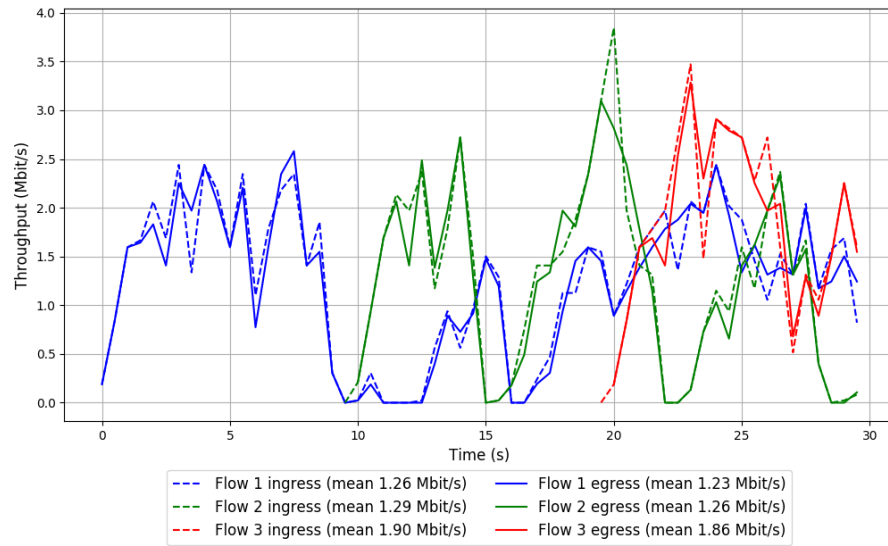


Run 4: Statistics of LEDBAT

Start at: 2018-03-15 11:20:29
End at: 2018-03-15 11:20:59
Local clock offset: 9.329 ms
Remote clock offset: 53.772 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 41.632 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 41.445 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 41.653 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 42.114 ms
Loss rate: 1.70%

Run 4: Report of LEDBAT — Data Link

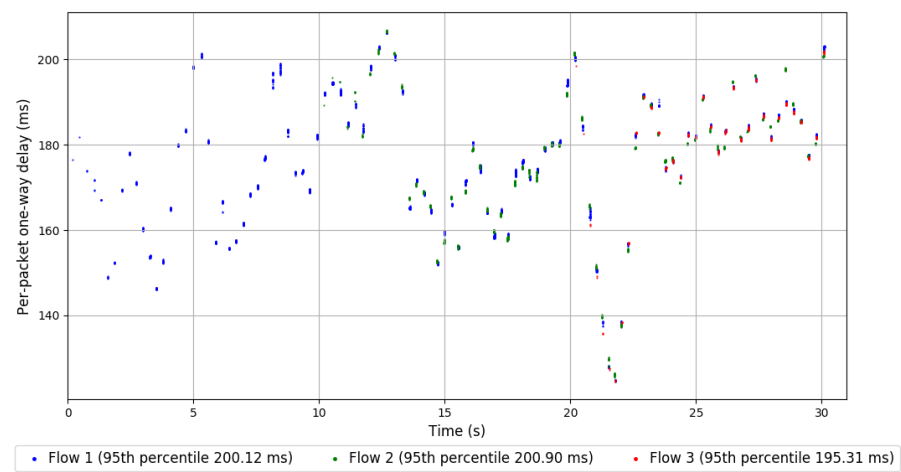
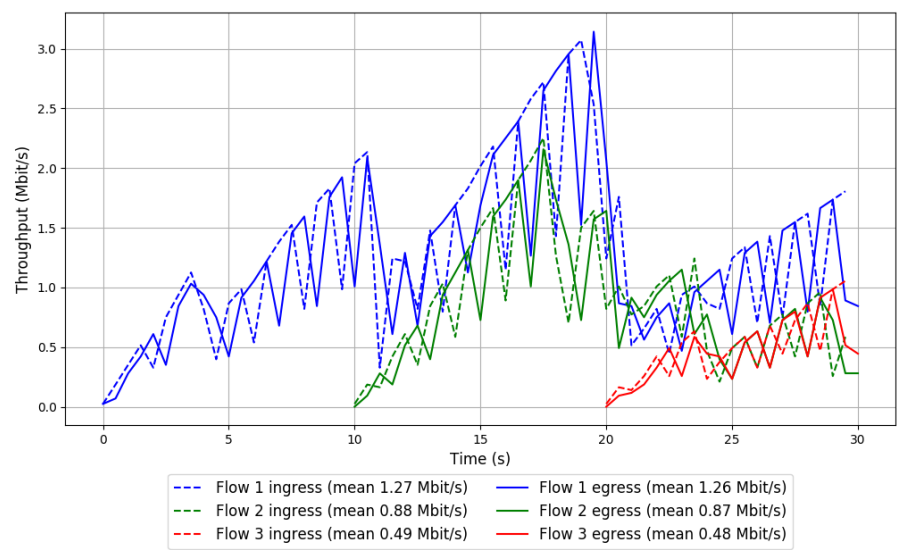


Run 5: Statistics of LEDBAT

Start at: 2018-03-15 11:46:13
End at: 2018-03-15 11:46:43
Local clock offset: 2.799 ms
Remote clock offset: 35.762 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 200.368 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 200.124 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 200.897 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 195.312 ms
Loss rate: 2.18%

Run 5: Report of LEDBAT — Data Link

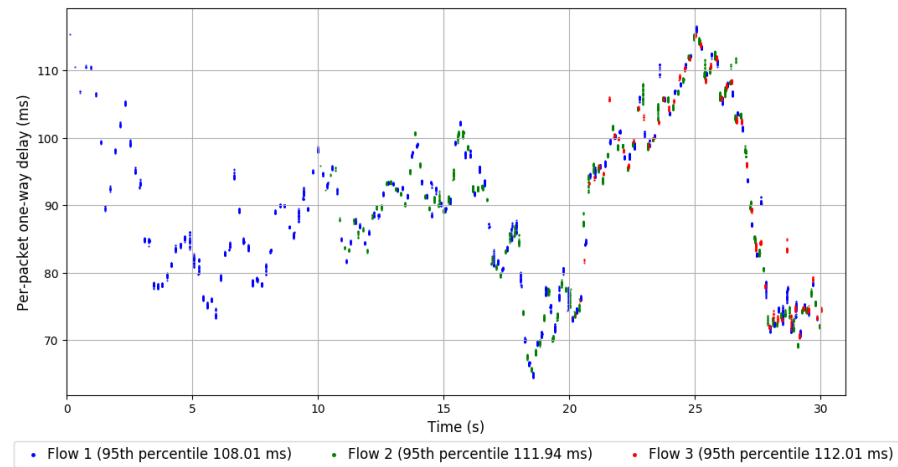
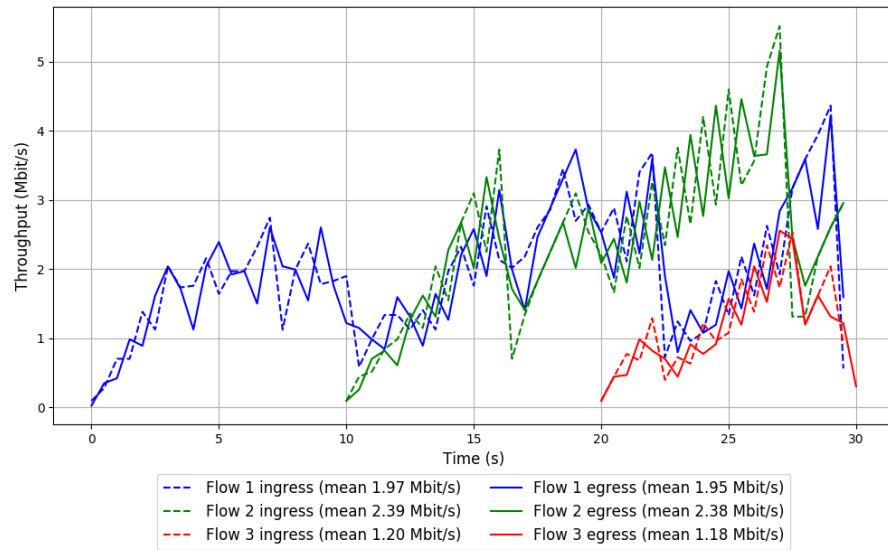


Run 6: Statistics of LEDBAT

Start at: 2018-03-15 12:12:17
End at: 2018-03-15 12:12:47
Local clock offset: 2.692 ms
Remote clock offset: 44.818 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 111.061 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 108.008 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 111.944 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 112.012 ms
Loss rate: 1.57%

Run 6: Report of LEDBAT — Data Link

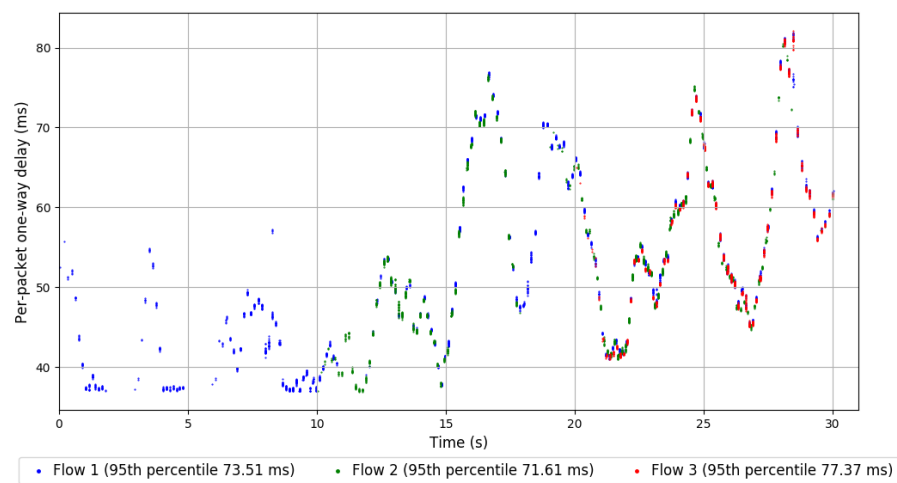
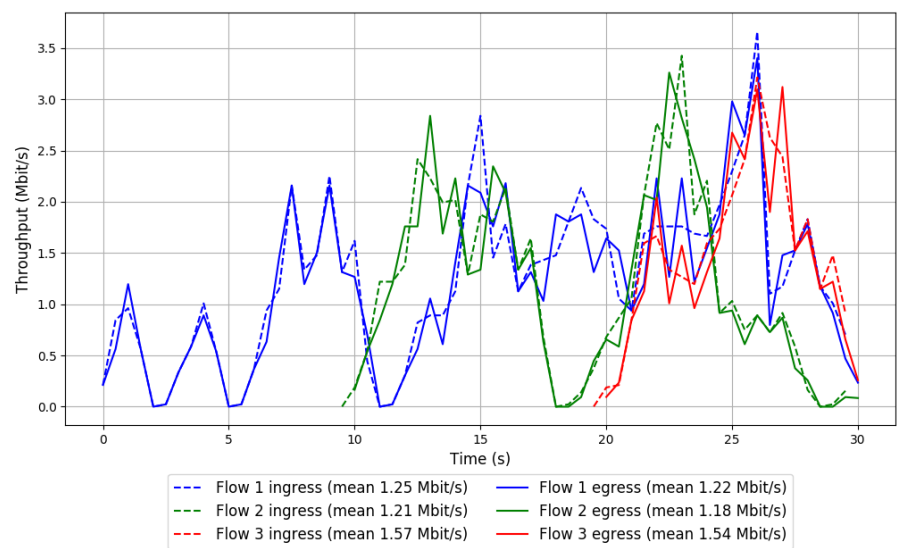


Run 7: Statistics of LEDBAT

Start at: 2018-03-15 12:37:25
End at: 2018-03-15 12:37:55
Local clock offset: 4.771 ms
Remote clock offset: 55.291 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 73.553 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 73.511 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 71.605 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 77.373 ms
Loss rate: 2.32%

Run 7: Report of LEDBAT — Data Link

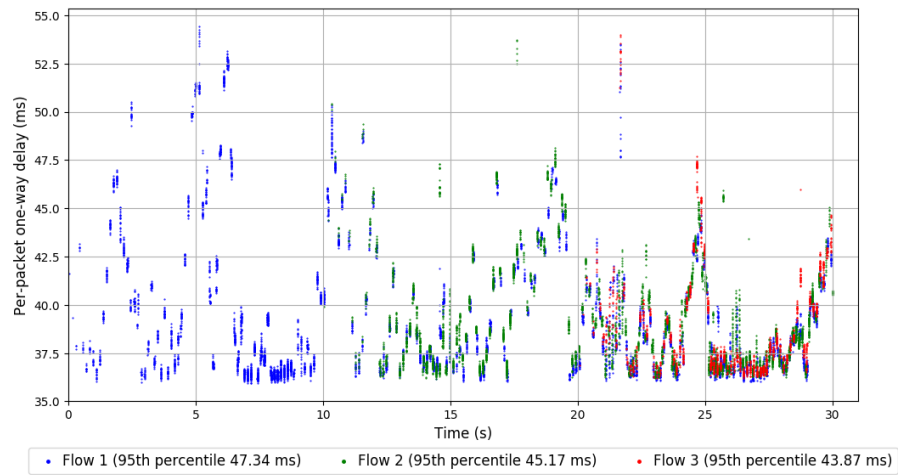
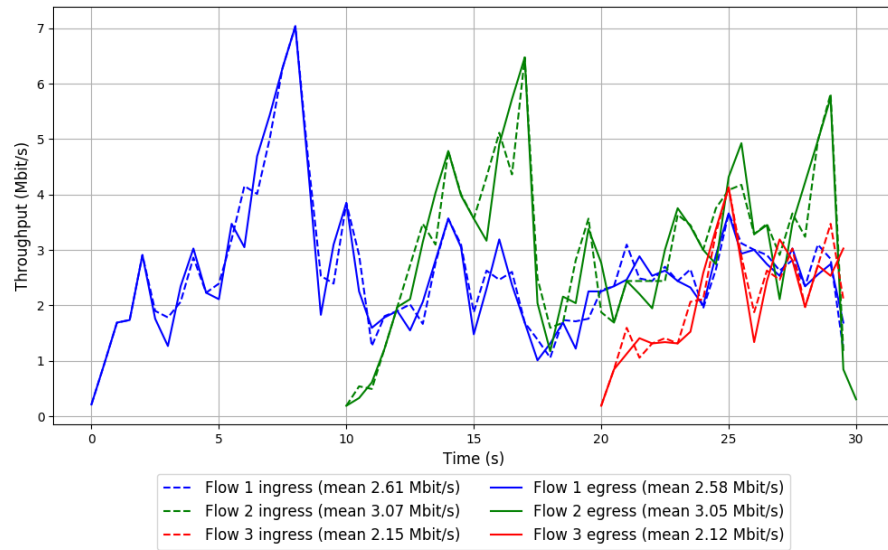


Run 8: Statistics of LEDBAT

Start at: 2018-03-15 13:04:15
End at: 2018-03-15 13:04:45
Local clock offset: 5.372 ms
Remote clock offset: 50.839 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 46.192 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 47.341 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 45.173 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 43.871 ms
Loss rate: 1.33%

Run 8: Report of LEDBAT — Data Link

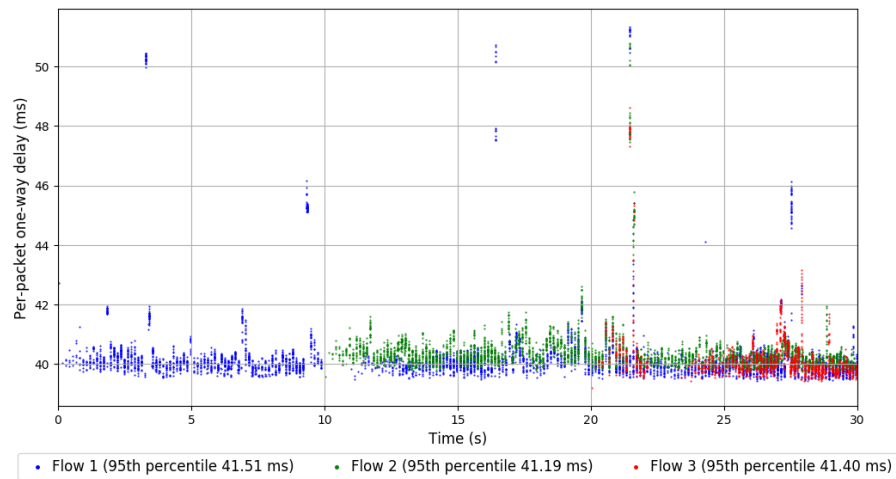
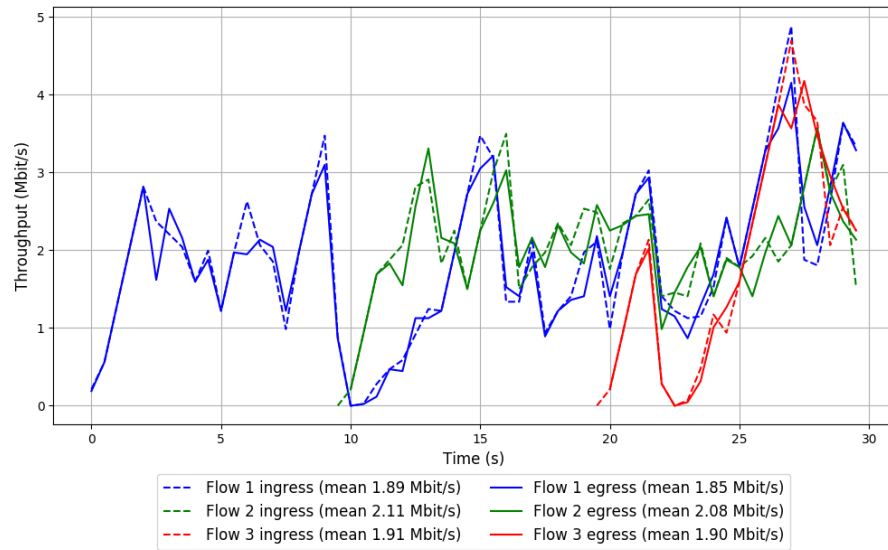


Run 9: Statistics of LEDBAT

Start at: 2018-03-15 13:29:15
End at: 2018-03-15 13:29:45
Local clock offset: 2.884 ms
Remote clock offset: 53.737 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 41.297 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 41.506 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 41.190 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 41.395 ms
Loss rate: 0.74%

Run 9: Report of LEDBAT — Data Link

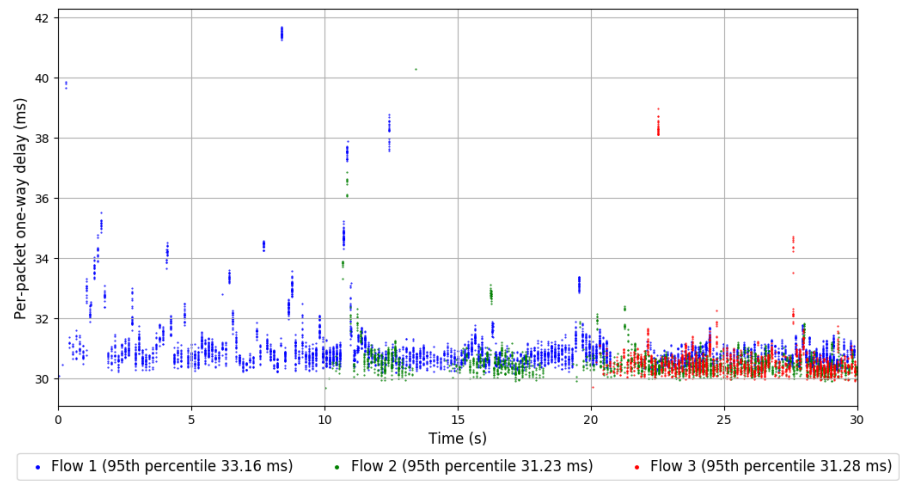
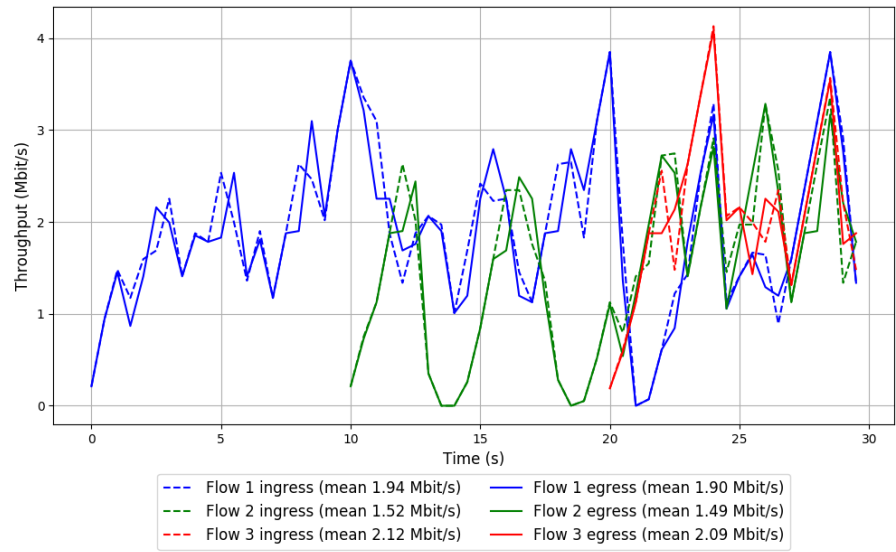


Run 10: Statistics of LEDBAT

Start at: 2018-03-15 13:54:31
End at: 2018-03-15 13:55:01
Local clock offset: 3.39 ms
Remote clock offset: 47.624 ms

Below is generated by plot.py at 2018-03-15 14:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 32.161 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 33.159 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 31.232 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 31.279 ms
Loss rate: 1.29%

Run 10: Report of LEDBAT — Data Link

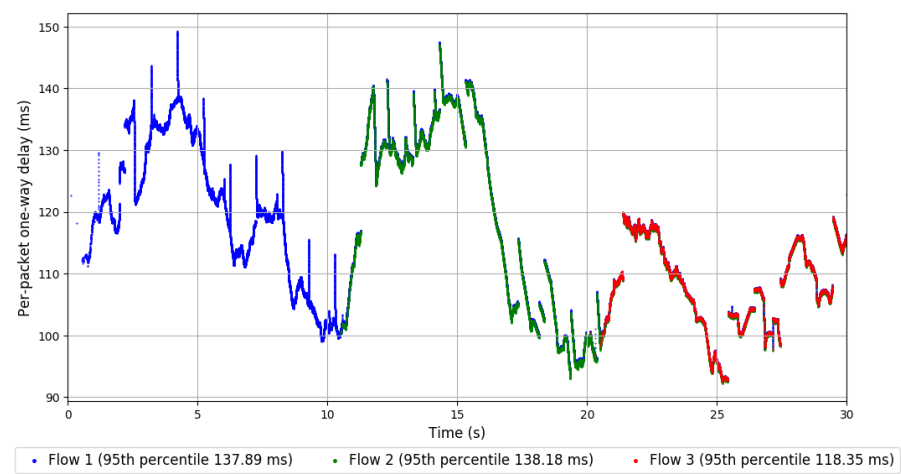
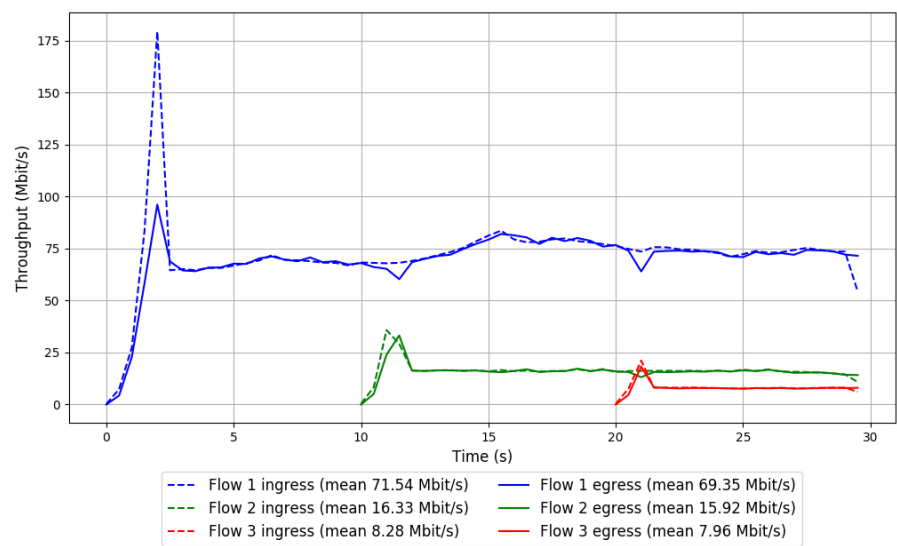


Run 1: Statistics of PCC

Start at: 2018-03-15 09:50:11
End at: 2018-03-15 09:50:41
Local clock offset: 3.017 ms
Remote clock offset: 28.881 ms

Below is generated by plot.py at 2018-03-15 14:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 137.882 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 69.35 Mbit/s
95th percentile per-packet one-way delay: 137.887 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 138.181 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 118.349 ms
Loss rate: 3.67%

Run 1: Report of PCC — Data Link

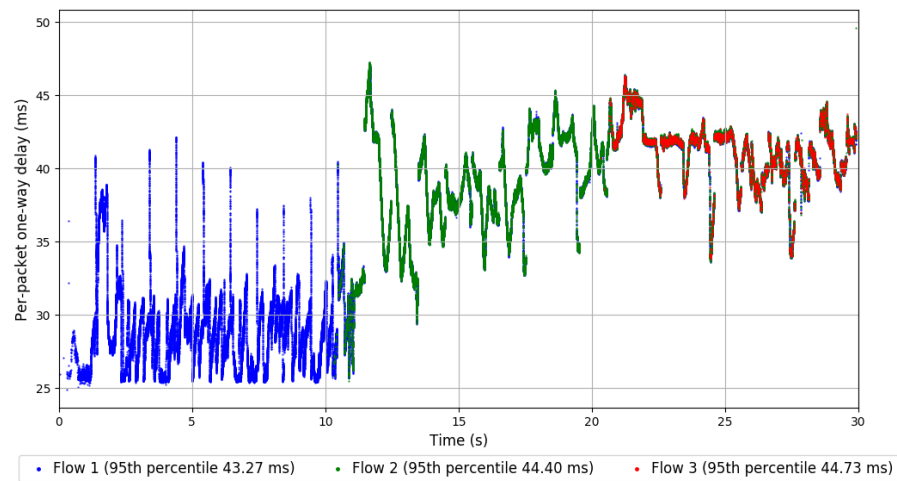
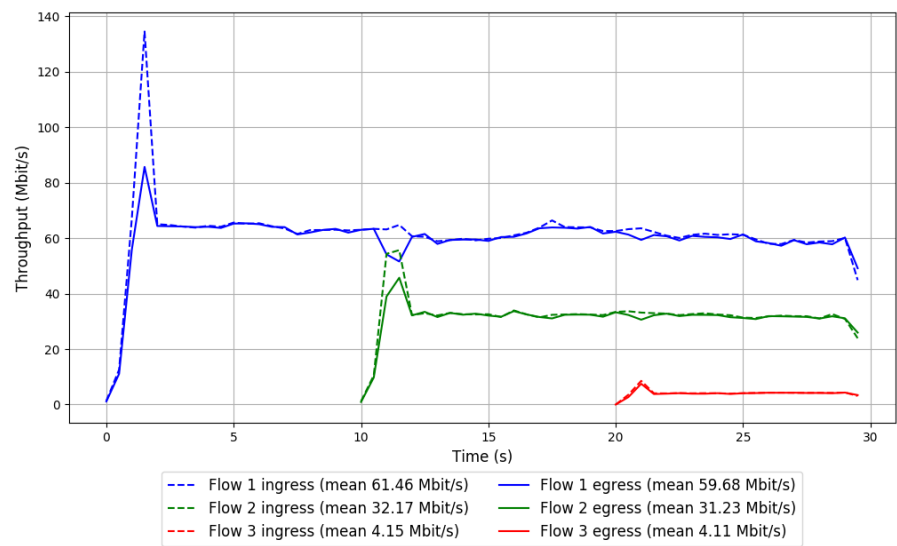


Run 2: Statistics of PCC

Start at: 2018-03-15 10:17:59
End at: 2018-03-15 10:18:29
Local clock offset: -0.747 ms
Remote clock offset: 29.133 ms

Below is generated by plot.py at 2018-03-15 14:31:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.76 Mbit/s
95th percentile per-packet one-way delay: 43.619 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 43.271 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 44.397 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 44.732 ms
Loss rate: 3.37%

Run 2: Report of PCC — Data Link

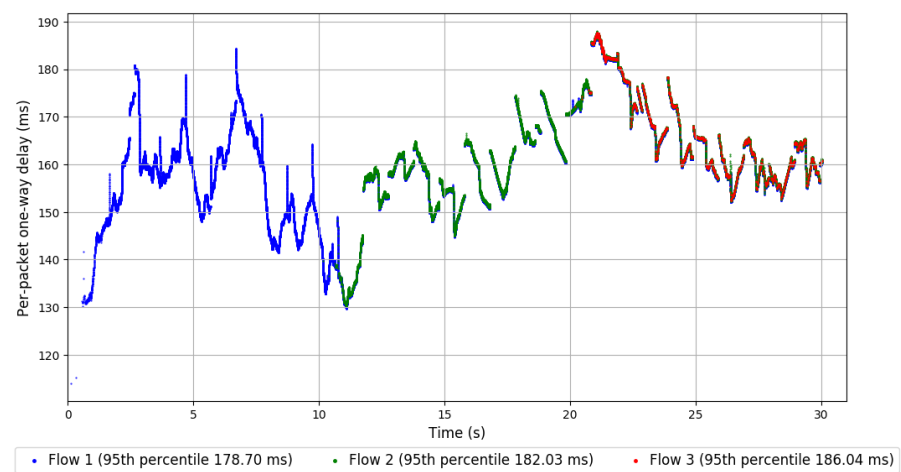
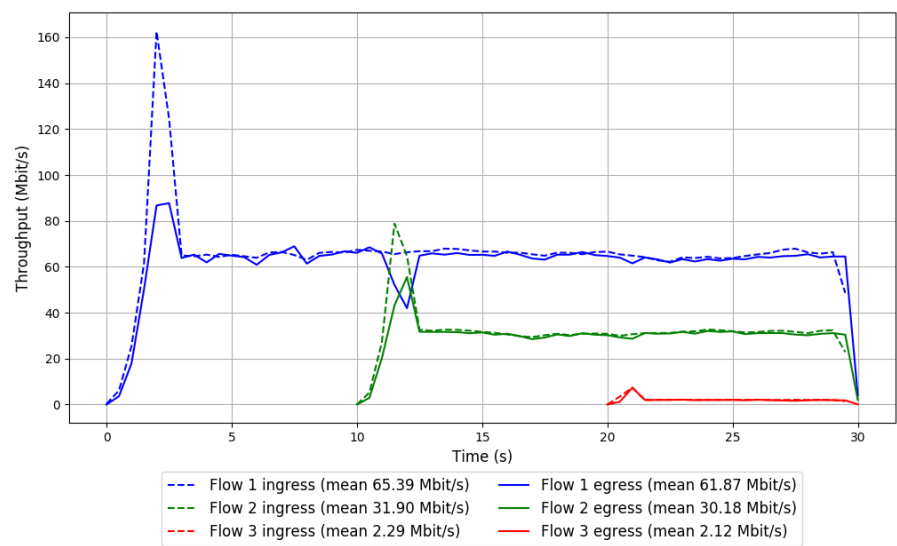


Run 3: Statistics of PCC

Start at: 2018-03-15 10:45:39
End at: 2018-03-15 10:46:09
Local clock offset: 3.507 ms
Remote clock offset: 27.905 ms

Below is generated by plot.py at 2018-03-15 14:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 179.608 ms
Loss rate: 5.27%
-- Flow 1:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 178.702 ms
Loss rate: 5.24%
-- Flow 2:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 182.029 ms
Loss rate: 5.28%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 186.037 ms
Loss rate: 7.33%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-03-15 11:11:25

End at: 2018-03-15 11:11:55

Local clock offset: 7.679 ms

Remote clock offset: 16.6 ms

Below is generated by plot.py at 2018-03-15 14:31:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.53 Mbit/s

95th percentile per-packet one-way delay: 47.039 ms

Loss rate: 5.58%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 46.136 ms

Loss rate: 2.98%

-- Flow 2:

Average throughput: 56.56 Mbit/s

95th percentile per-packet one-way delay: 47.460 ms

Loss rate: 5.36%

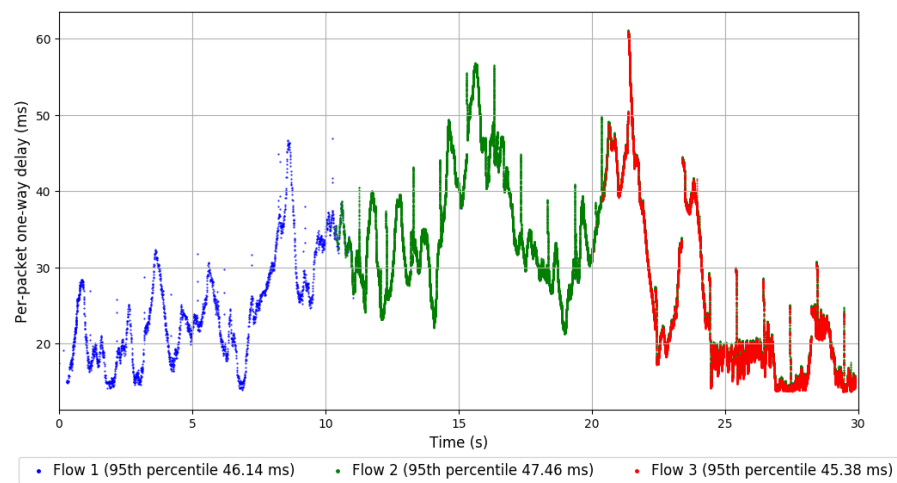
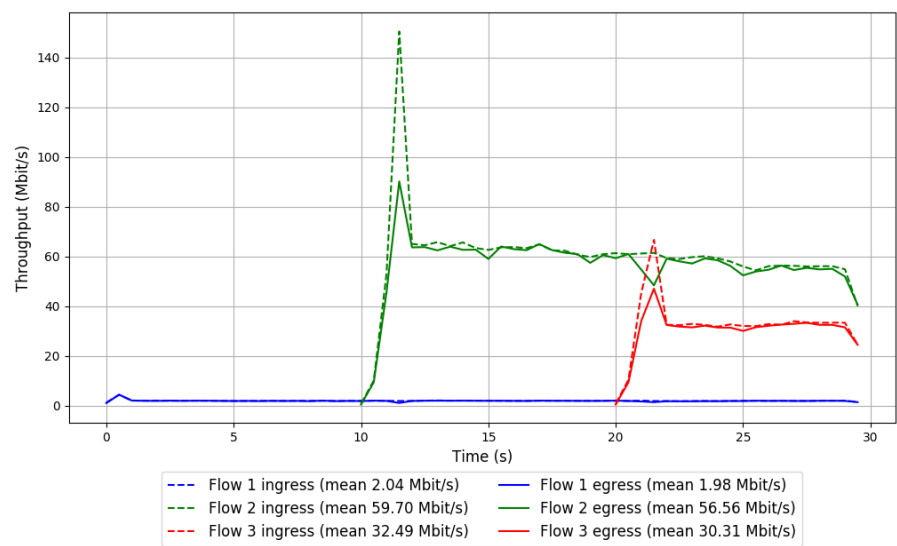
-- Flow 3:

Average throughput: 30.31 Mbit/s

95th percentile per-packet one-way delay: 45.385 ms

Loss rate: 6.87%

Run 4: Report of PCC — Data Link

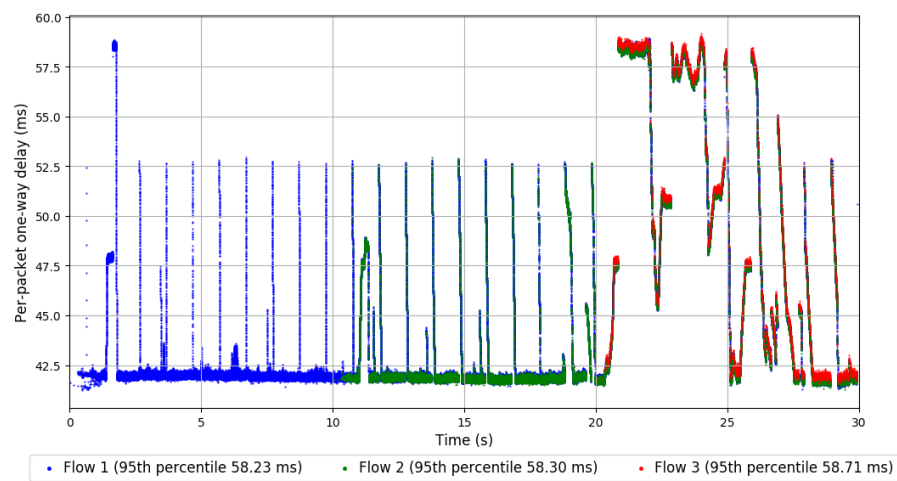
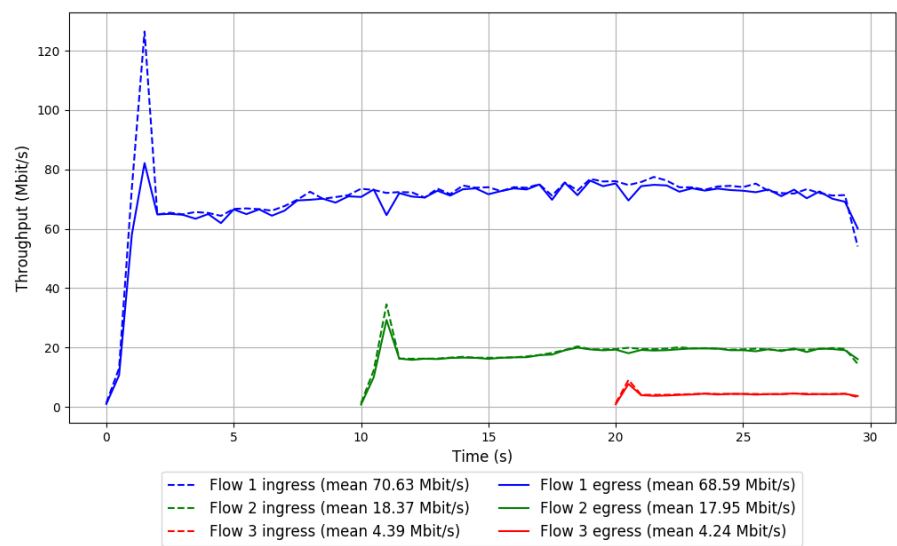


Run 5: Statistics of PCC

Start at: 2018-03-15 11:36:28
End at: 2018-03-15 11:36:59
Local clock offset: 5.139 ms
Remote clock offset: 62.769 ms

Below is generated by plot.py at 2018-03-15 14:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 58.265 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 68.59 Mbit/s
95th percentile per-packet one-way delay: 58.231 ms
Loss rate: 2.86%
-- Flow 2:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 58.296 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 58.706 ms
Loss rate: 3.40%

Run 5: Report of PCC — Data Link

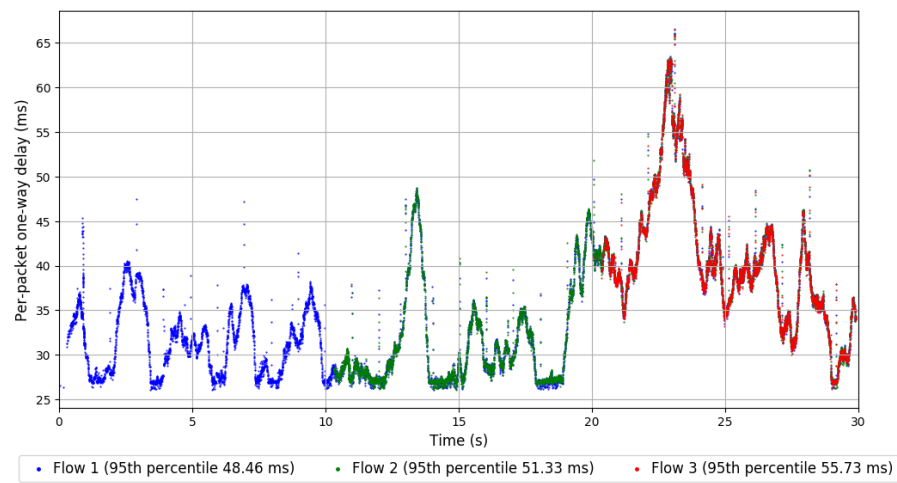
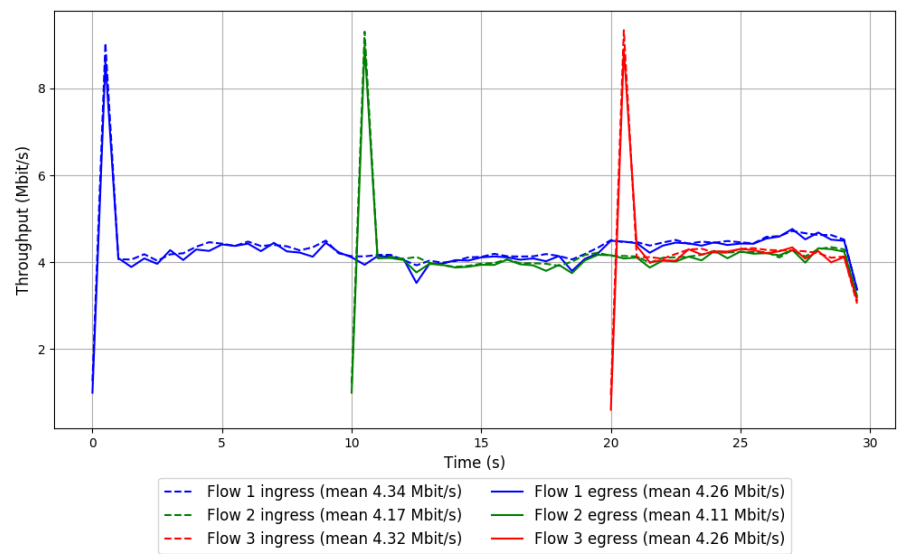


Run 6: Statistics of PCC

Start at: 2018-03-15 12:02:43
End at: 2018-03-15 12:03:13
Local clock offset: 0.881 ms
Remote clock offset: 40.381 ms

Below is generated by plot.py at 2018-03-15 14:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 51.343 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 48.461 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 51.325 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 55.727 ms
Loss rate: 1.34%

Run 6: Report of PCC — Data Link

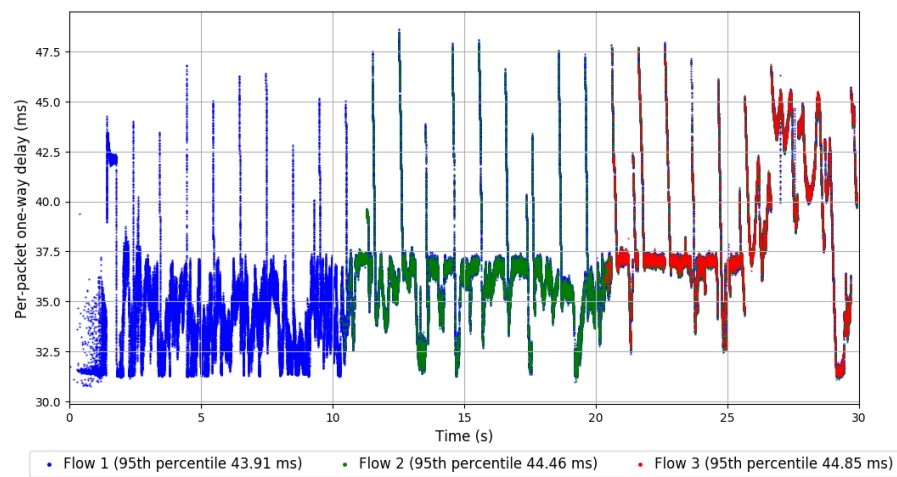
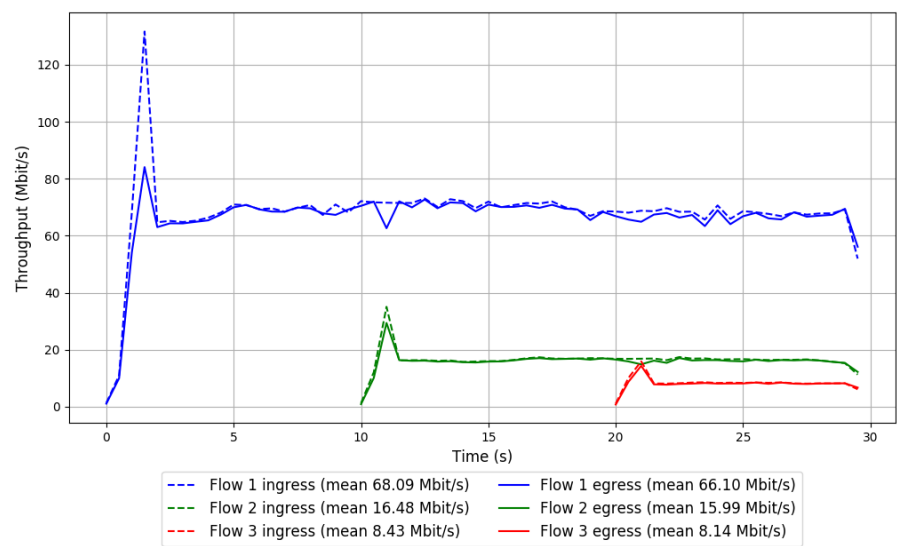


Run 7: Statistics of PCC

Start at: 2018-03-15 12:28:22
End at: 2018-03-15 12:28:52
Local clock offset: 4.364 ms
Remote clock offset: 48.238 ms

Below is generated by plot.py at 2018-03-15 14:32:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 44.083 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 66.10 Mbit/s
95th percentile per-packet one-way delay: 43.907 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 44.463 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 44.854 ms
Loss rate: 3.43%

Run 7: Report of PCC — Data Link

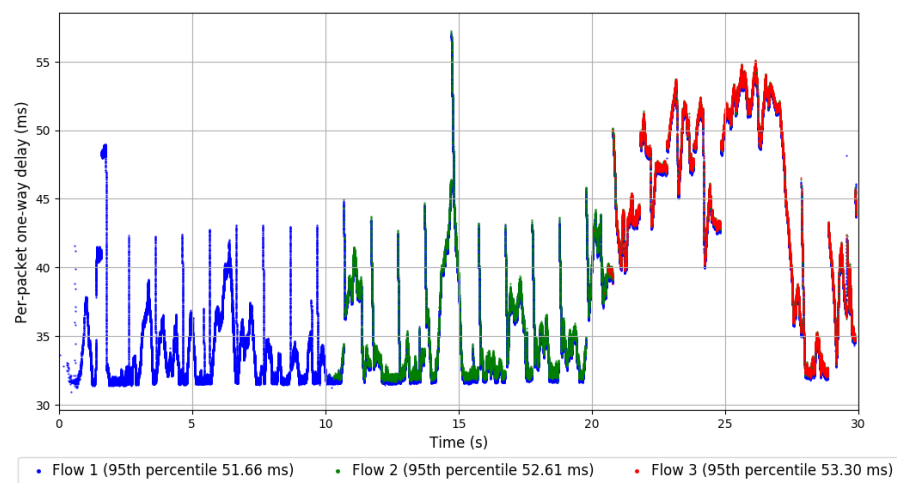
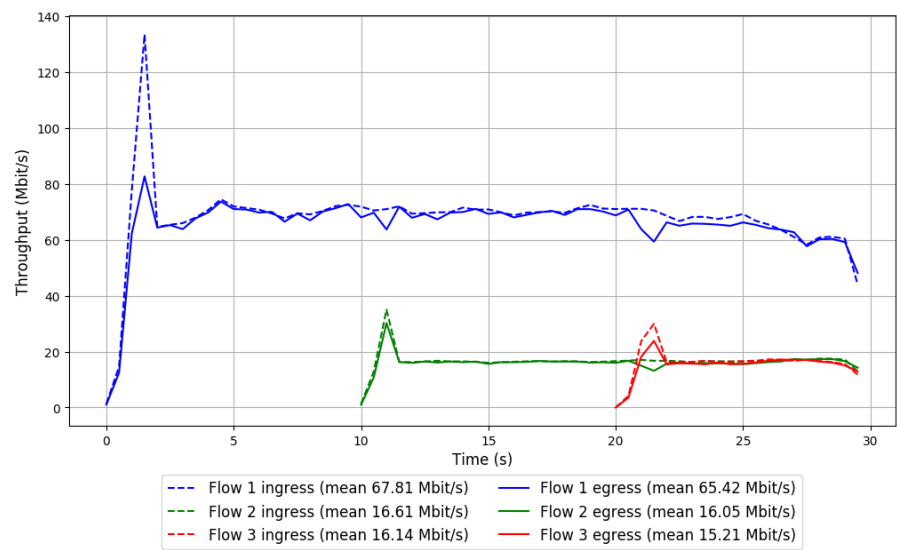


Run 8: Statistics of PCC

Start at: 2018-03-15 12:55:13
End at: 2018-03-15 12:55:43
Local clock offset: 5.139 ms
Remote clock offset: 50.058 ms

Below is generated by plot.py at 2018-03-15 14:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.11 Mbit/s
95th percentile per-packet one-way delay: 52.040 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 51.662 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 52.609 ms
Loss rate: 3.27%
-- Flow 3:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 53.297 ms
Loss rate: 5.70%

Run 8: Report of PCC — Data Link

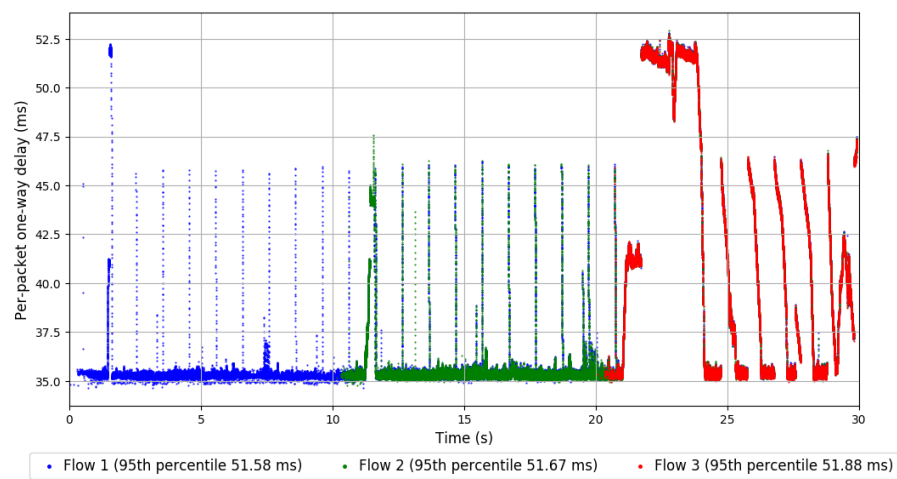
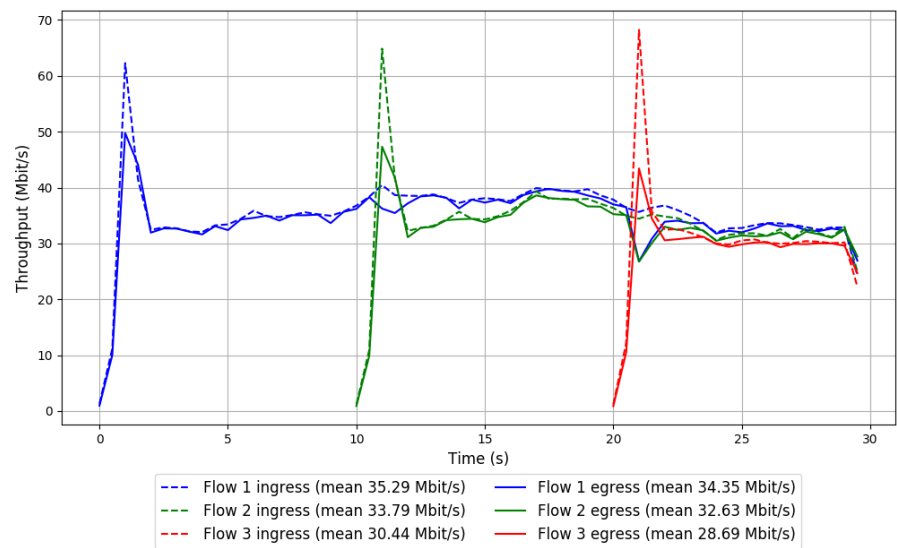


Run 9: Statistics of PCC

Start at: 2018-03-15 13:20:14
End at: 2018-03-15 13:20:44
Local clock offset: 3.993 ms
Remote clock offset: 48.771 ms

Below is generated by plot.py at 2018-03-15 14:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.52 Mbit/s
95th percentile per-packet one-way delay: 51.696 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 51.581 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 51.673 ms
Loss rate: 3.36%
-- Flow 3:
Average throughput: 28.69 Mbit/s
95th percentile per-packet one-way delay: 51.877 ms
Loss rate: 5.66%

Run 9: Report of PCC — Data Link

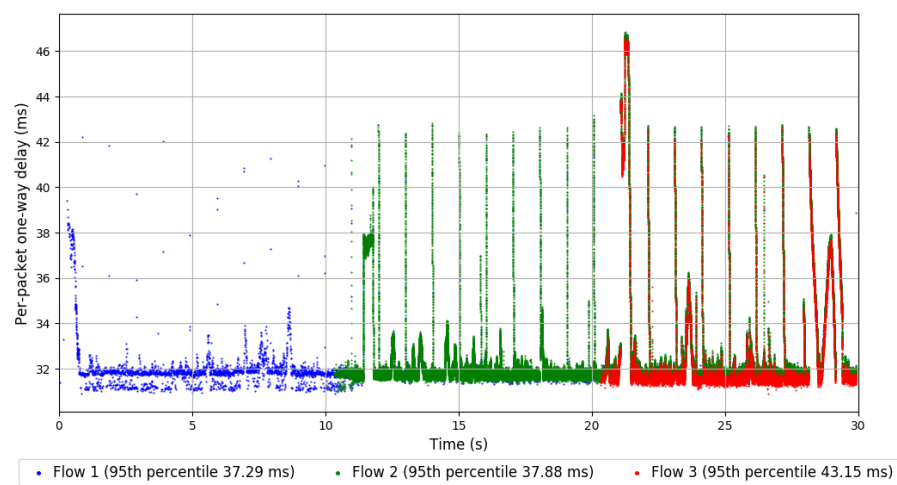
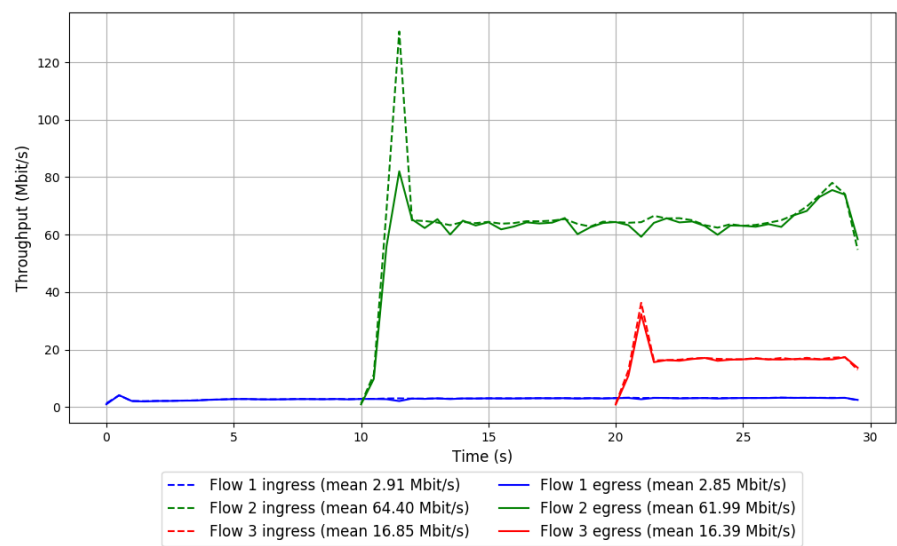


Run 10: Statistics of PCC

Start at: 2018-03-15 13:45:33
End at: 2018-03-15 13:46:03
Local clock offset: 2.501 ms
Remote clock offset: 48.195 ms

Below is generated by plot.py at 2018-03-15 14:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 38.605 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 37.286 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 37.876 ms
Loss rate: 3.71%
-- Flow 3:
Average throughput: 16.39 Mbit/s
95th percentile per-packet one-way delay: 43.154 ms
Loss rate: 2.77%

Run 10: Report of PCC — Data Link

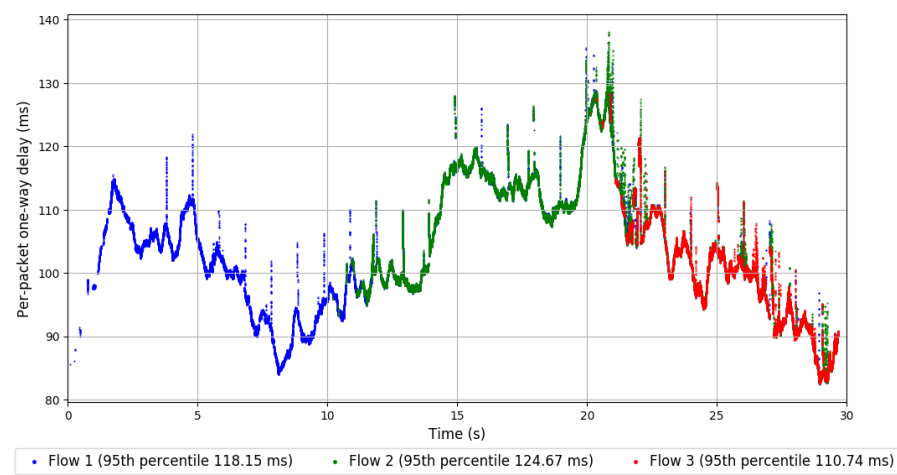
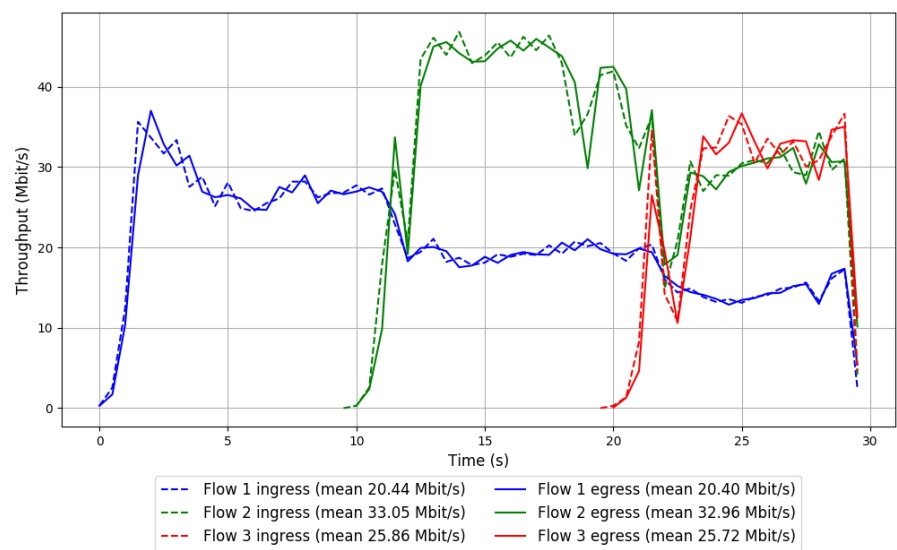


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-15 09:51:32
End at: 2018-03-15 09:52:02
Local clock offset: 2.775 ms
Remote clock offset: 25.103 ms

Below is generated by plot.py at 2018-03-15 14:33:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.57 Mbit/s
95th percentile per-packet one-way delay: 120.908 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 20.40 Mbit/s
95th percentile per-packet one-way delay: 118.152 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 124.674 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 110.744 ms
Loss rate: 0.92%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-15 10:19:16

End at: 2018-03-15 10:19:46

Local clock offset: -1.018 ms

Remote clock offset: 36.02 ms

Below is generated by plot.py at 2018-03-15 14:33:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.67 Mbit/s

95th percentile per-packet one-way delay: 61.080 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 10.91 Mbit/s

95th percentile per-packet one-way delay: 59.057 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 30.29 Mbit/s

95th percentile per-packet one-way delay: 60.593 ms

Loss rate: 0.62%

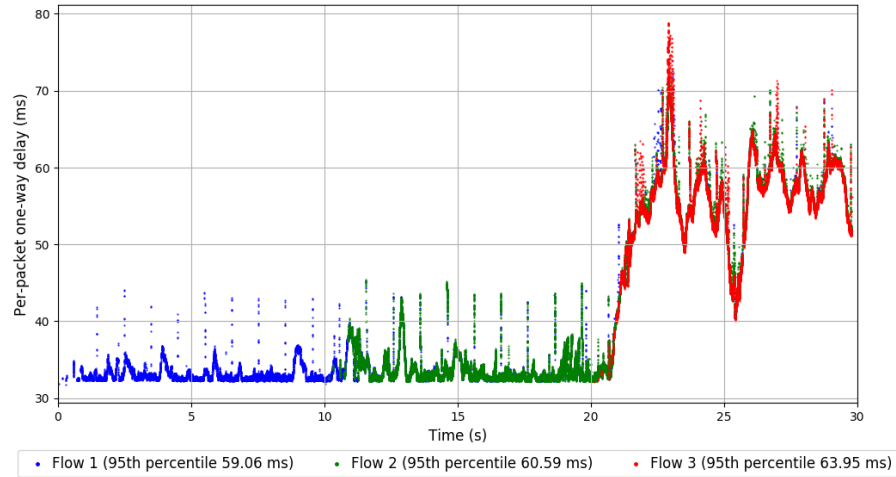
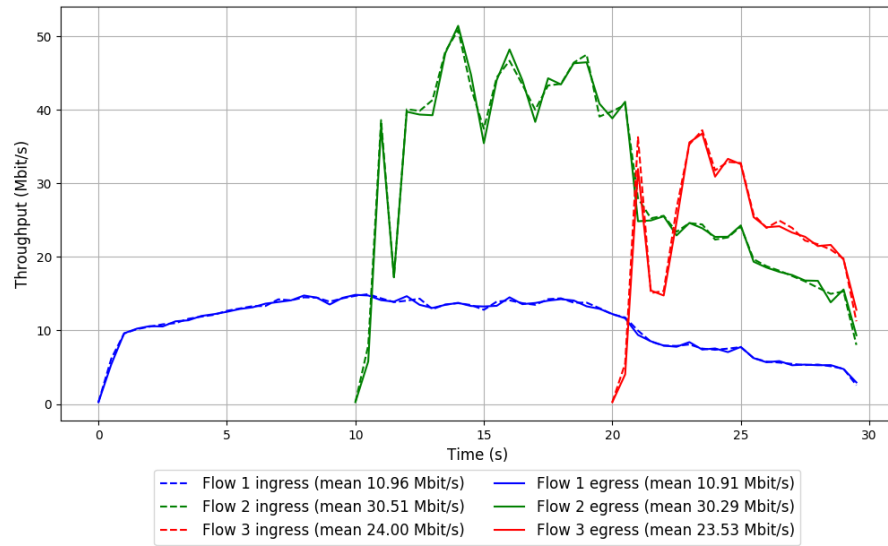
-- Flow 3:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 63.954 ms

Loss rate: 1.72%

Run 2: Report of QUIC Cubic — Data Link

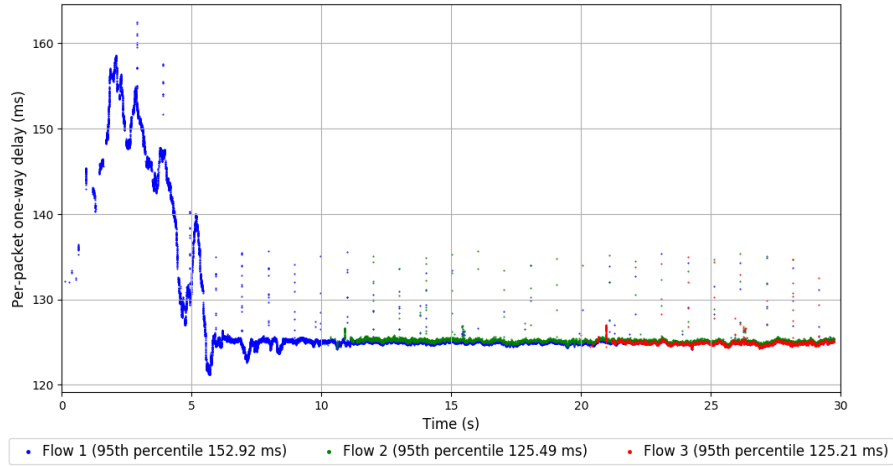
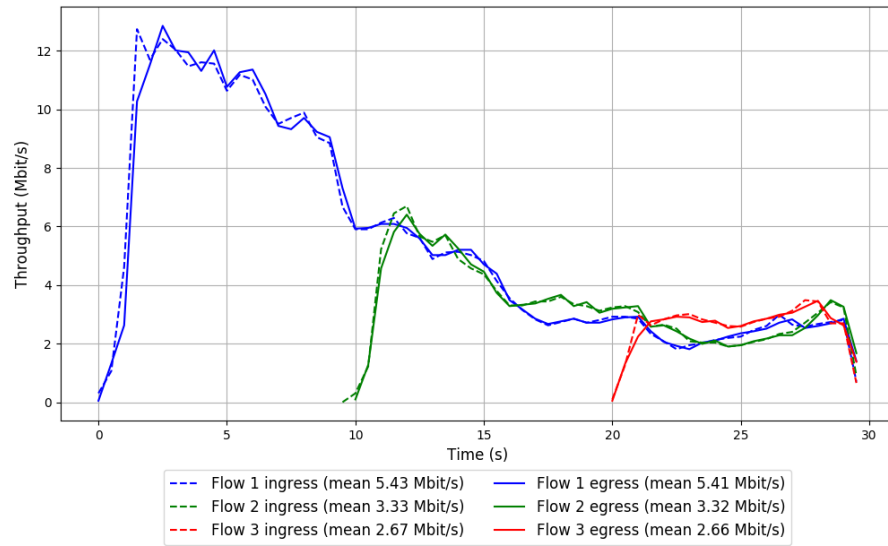


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-15 10:47:09
End at: 2018-03-15 10:47:39
Local clock offset: 3.457 ms
Remote clock offset: 24.678 ms

Below is generated by plot.py at 2018-03-15 14:33:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 150.480 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 152.916 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 125.486 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 125.212 ms
Loss rate: 0.35%

Run 3: Report of QUIC Cubic — Data Link

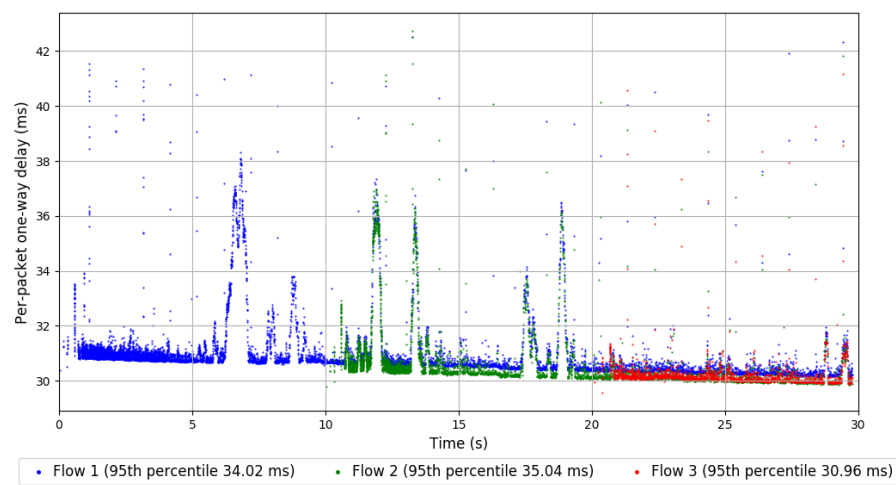
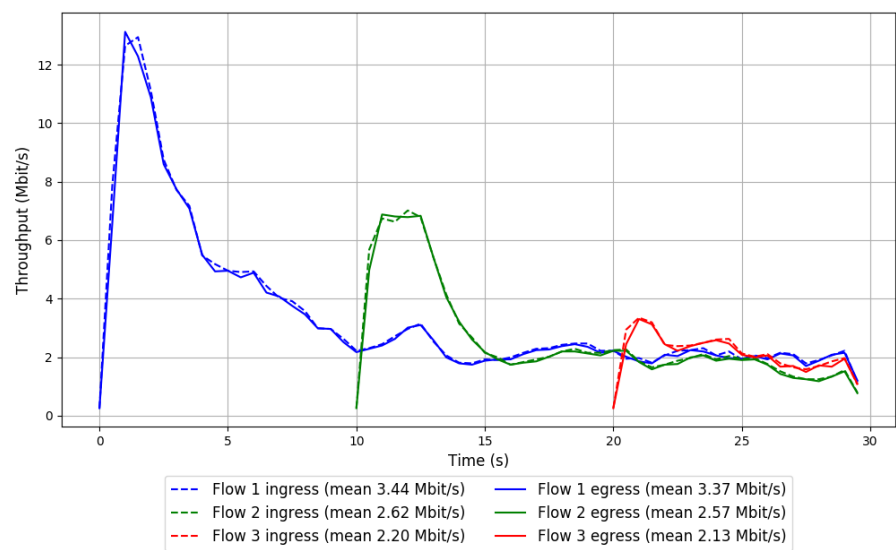


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-15 11:12:41
End at: 2018-03-15 11:13:11
Local clock offset: 8.333 ms
Remote clock offset: 35.233 ms

Below is generated by plot.py at 2018-03-15 14:33:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 34.015 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 35.036 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 30.964 ms
Loss rate: 3.25%

Run 4: Report of QUIC Cubic — Data Link

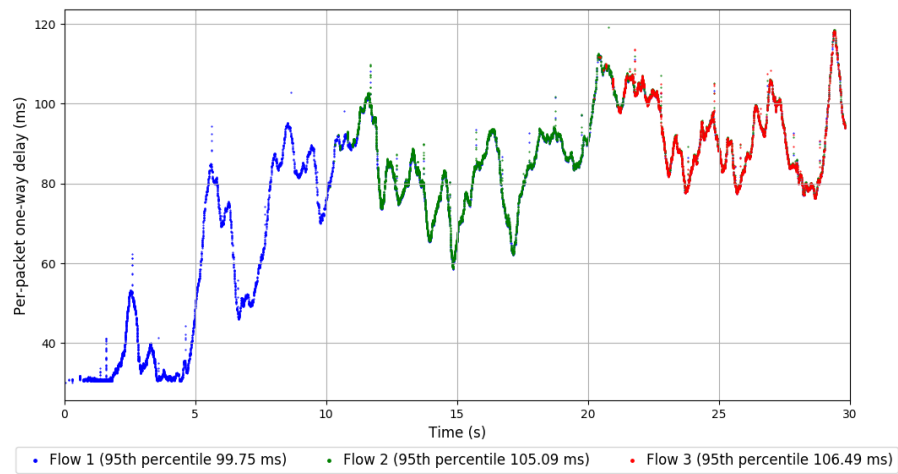
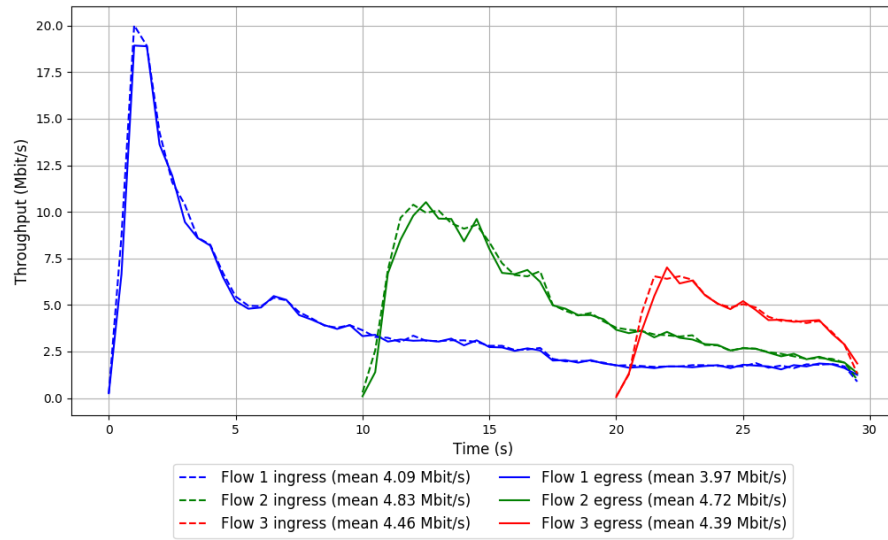


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-15 11:37:47
End at: 2018-03-15 11:38:17
Local clock offset: 5.095 ms
Remote clock offset: 52.584 ms

Below is generated by plot.py at 2018-03-15 14:33:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 104.566 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 99.748 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 105.086 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 106.490 ms
Loss rate: 1.72%

Run 5: Report of QUIC Cubic — Data Link

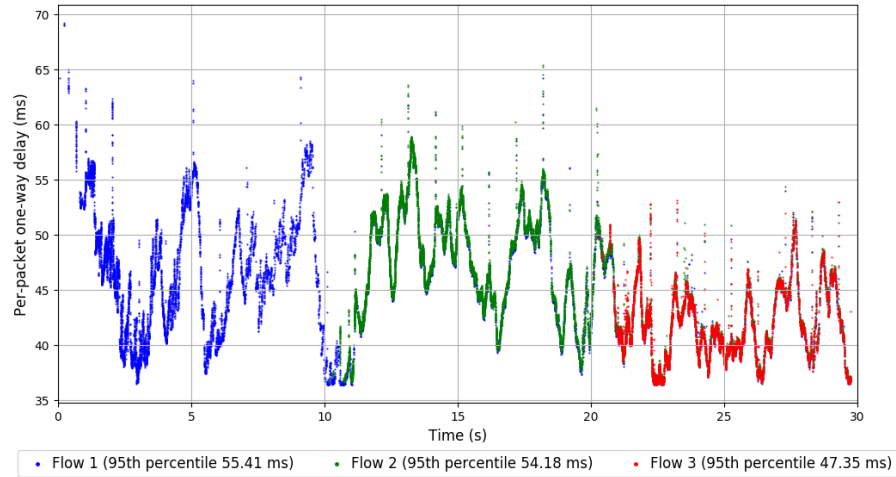
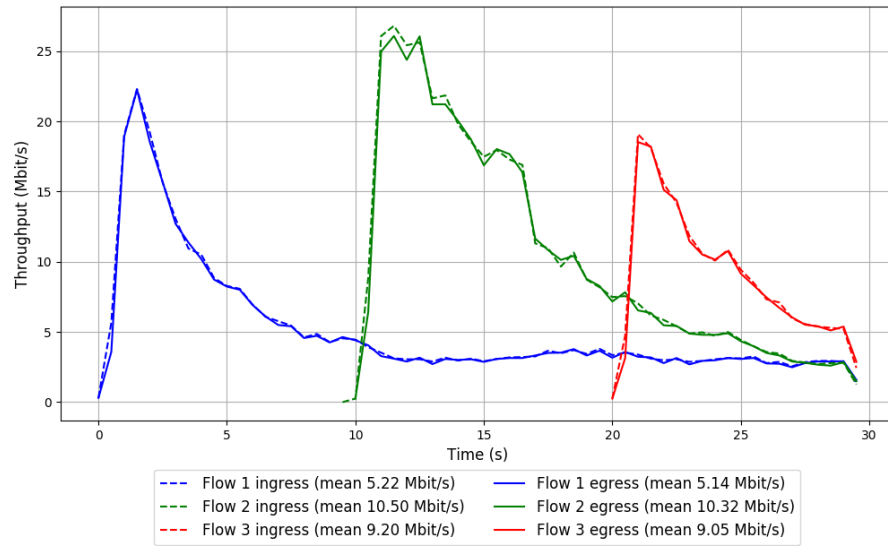


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-15 12:03:57
End at: 2018-03-15 12:04:27
Local clock offset: 0.774 ms
Remote clock offset: 50.346 ms

Below is generated by plot.py at 2018-03-15 14:33:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 54.358 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 5.14 Mbit/s
95th percentile per-packet one-way delay: 55.410 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 10.32 Mbit/s
95th percentile per-packet one-way delay: 54.178 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 9.05 Mbit/s
95th percentile per-packet one-way delay: 47.354 ms
Loss rate: 1.71%

Run 6: Report of QUIC Cubic — Data Link

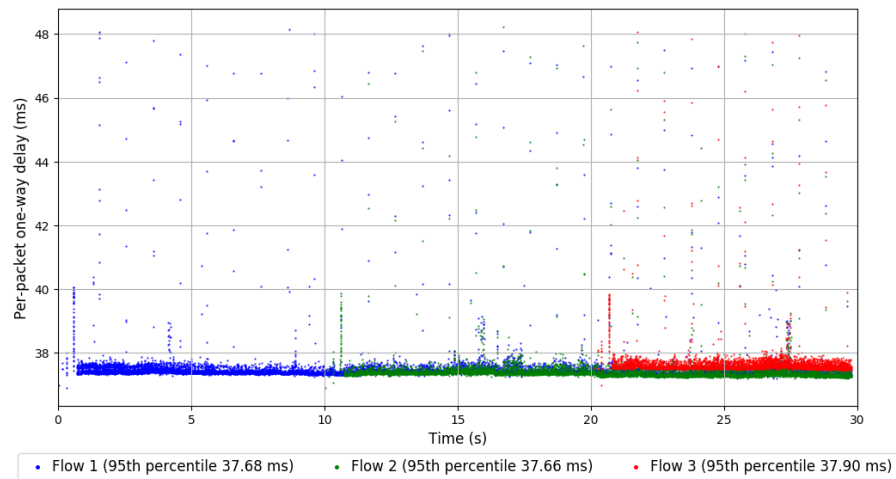
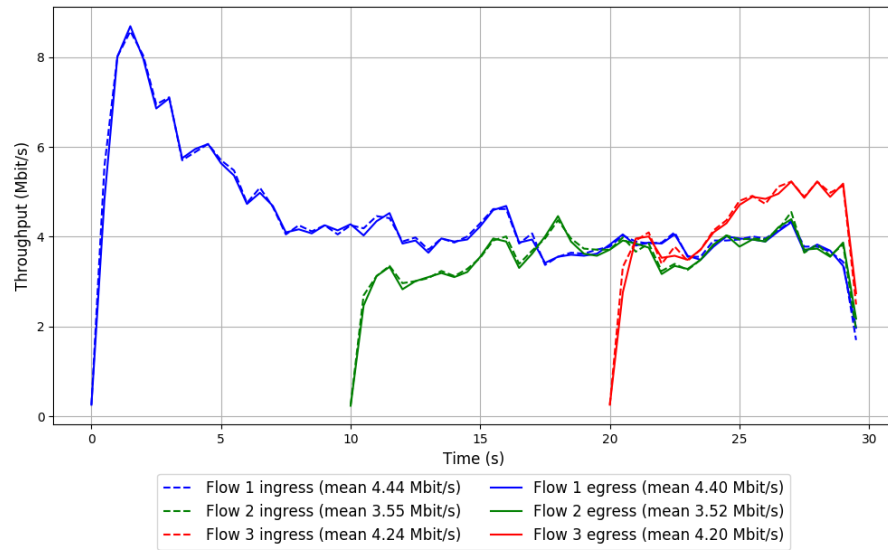


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-15 12:29:38
End at: 2018-03-15 12:30:08
Local clock offset: 4.415 ms
Remote clock offset: 54.586 ms

Below is generated by plot.py at 2018-03-15 14:33:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 37.766 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 37.676 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 37.665 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 37.903 ms
Loss rate: 0.91%

Run 7: Report of QUIC Cubic — Data Link

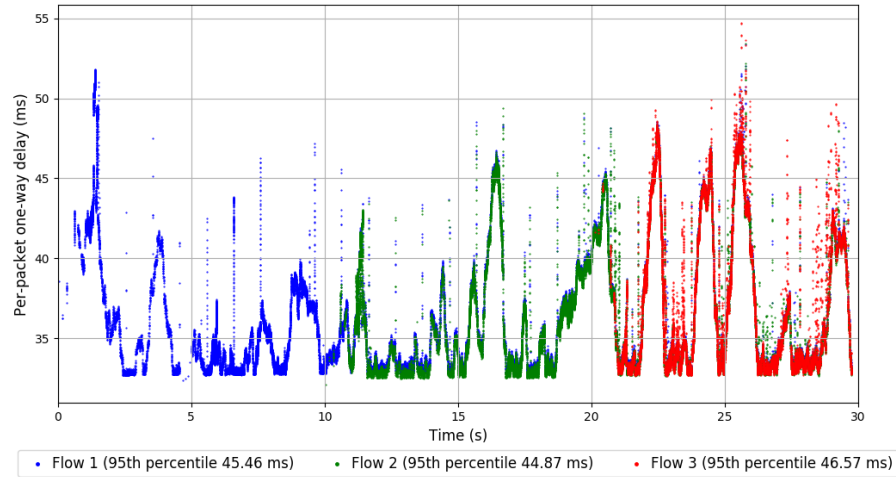
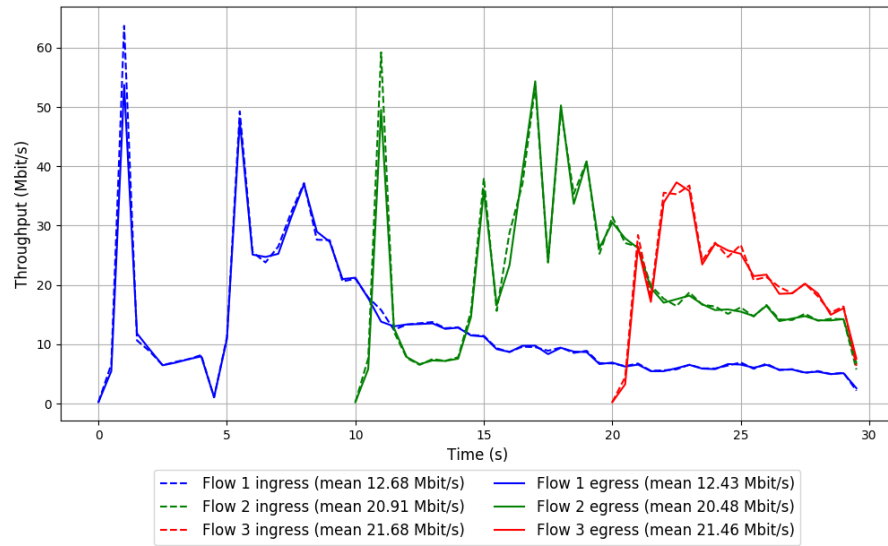


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-15 12:56:30
End at: 2018-03-15 12:57:00
Local clock offset: 5.179 ms
Remote clock offset: 50.311 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 45.427 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 45.458 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 44.872 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 46.566 ms
Loss rate: 1.14%

Run 8: Report of QUIC Cubic — Data Link

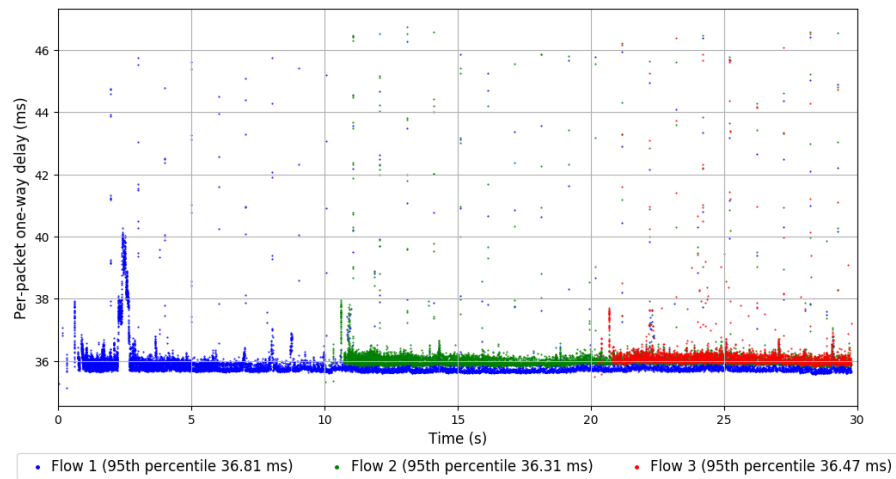
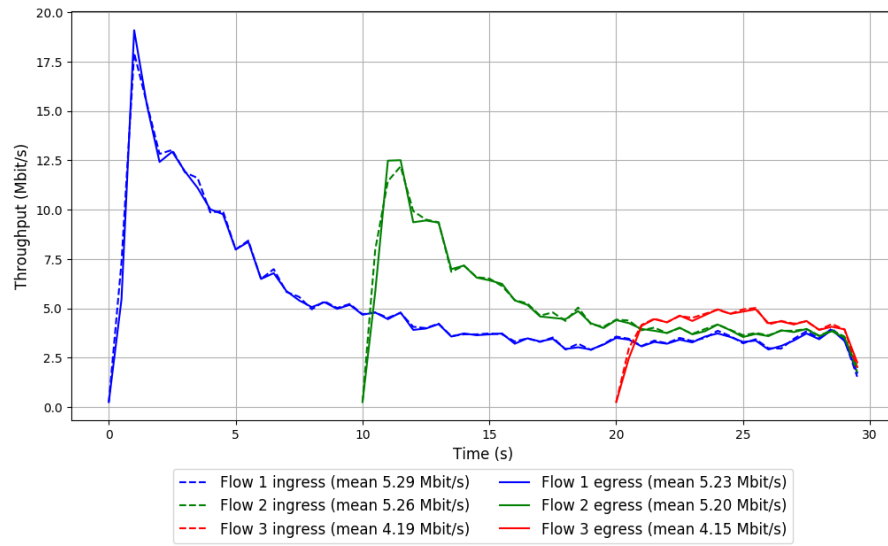


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-15 13:21:30
End at: 2018-03-15 13:22:00
Local clock offset: 4.012 ms
Remote clock offset: 49.578 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 36.442 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 36.811 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 36.313 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 36.473 ms
Loss rate: 0.95%

Run 9: Report of QUIC Cubic — Data Link

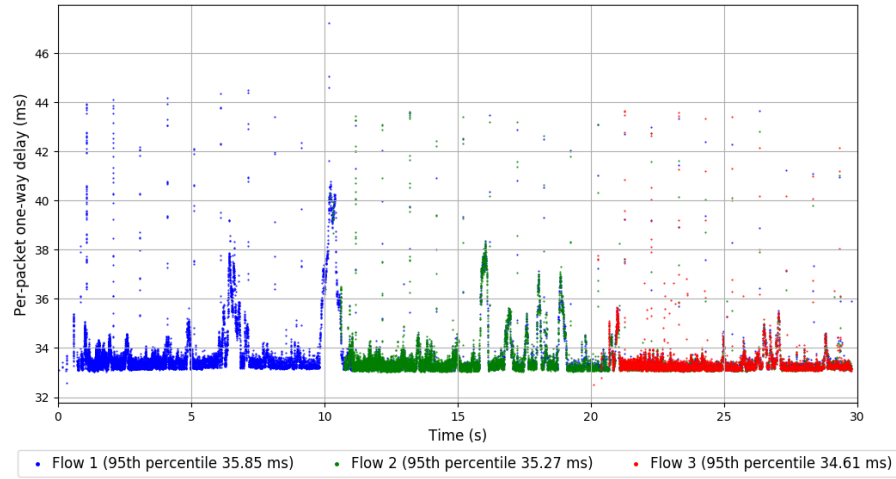
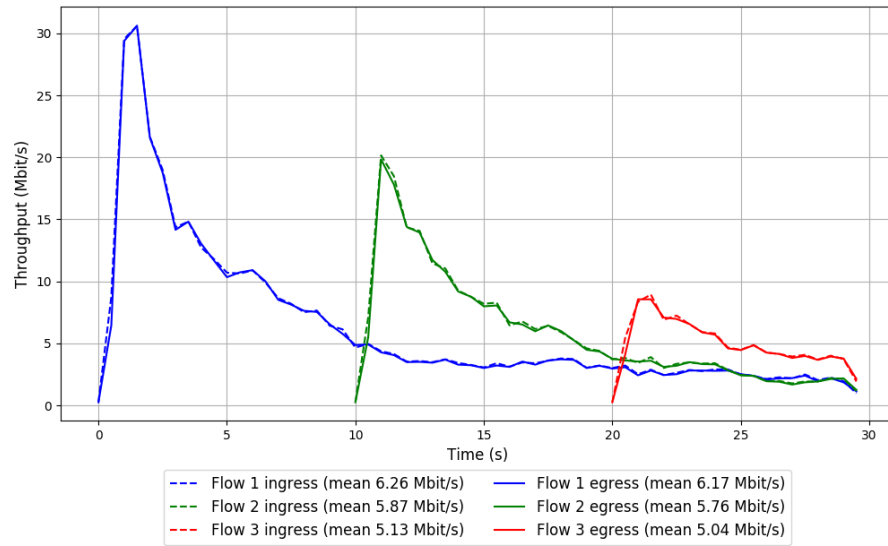


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-15 13:46:48
End at: 2018-03-15 13:47:18
Local clock offset: 2.306 ms
Remote clock offset: 49.707 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 35.433 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 35.846 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 35.275 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 34.606 ms
Loss rate: 1.87%

Run 10: Report of QUIC Cubic — Data Link

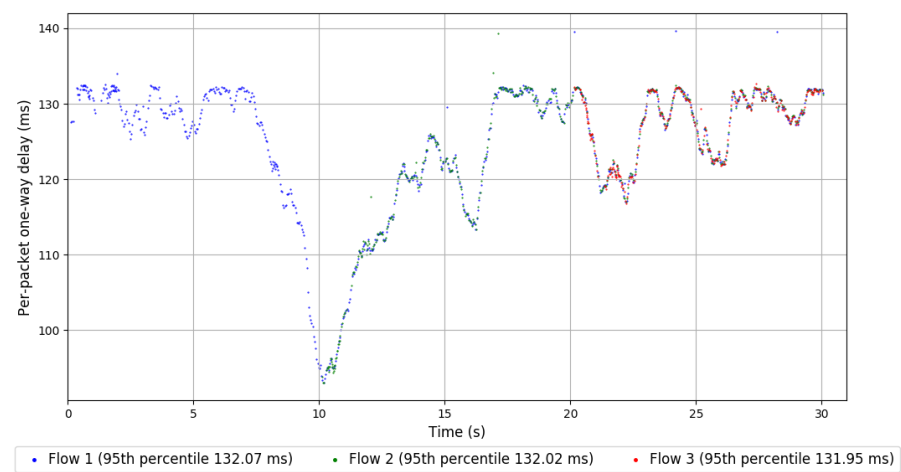
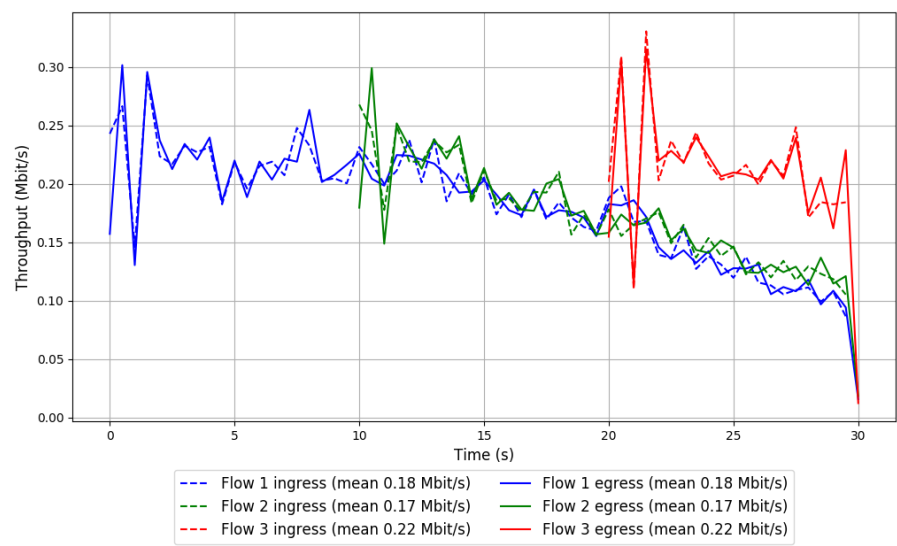


Run 1: Statistics of SReAM

Start at: 2018-03-15 09:54:14
End at: 2018-03-15 09:54:44
Local clock offset: 1.843 ms
Remote clock offset: 21.396 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 132.033 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 132.068 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 132.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.950 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

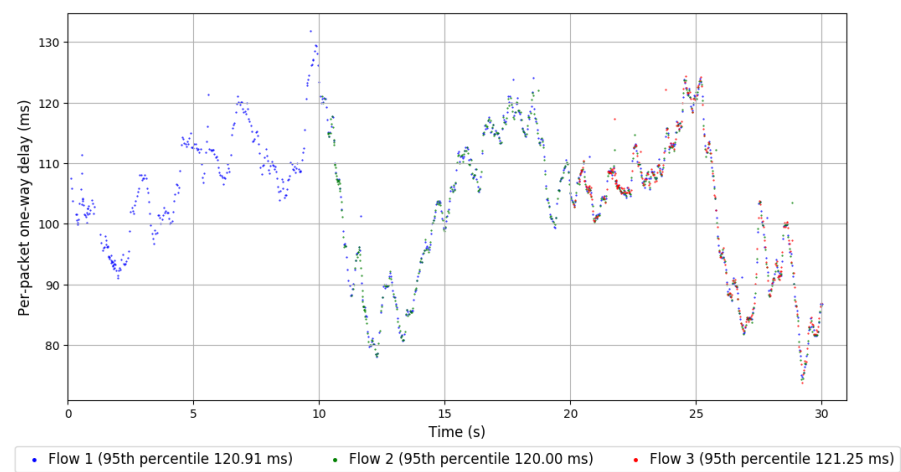
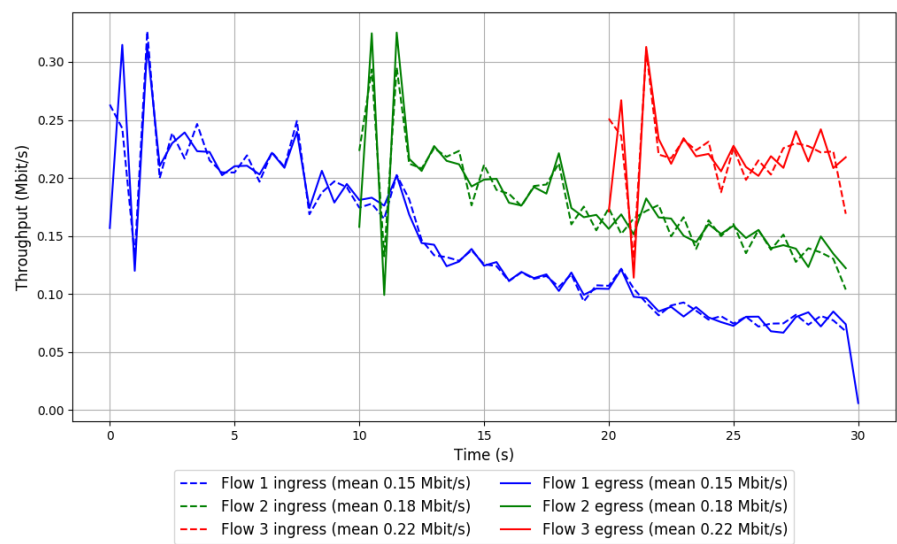


Run 2: Statistics of SCReAM

Start at: 2018-03-15 10:21:53
End at: 2018-03-15 10:22:23
Local clock offset: -1.321 ms
Remote clock offset: 16.97 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 120.699 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 120.906 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 120.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 121.248 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

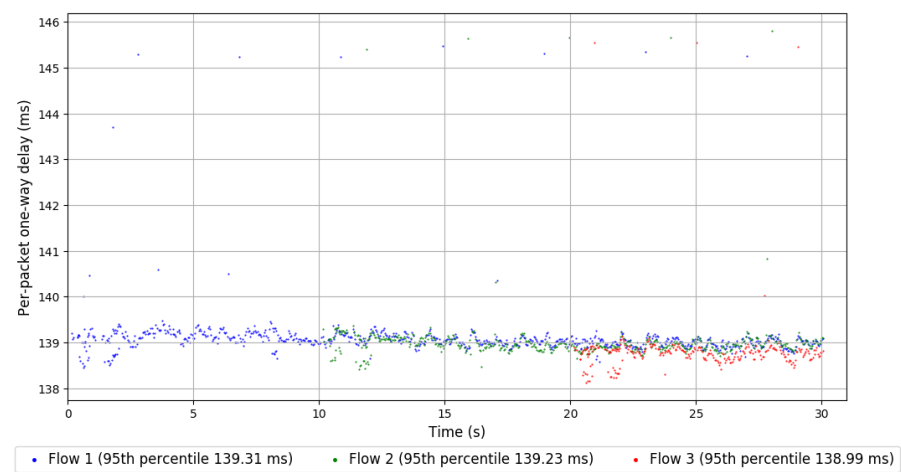
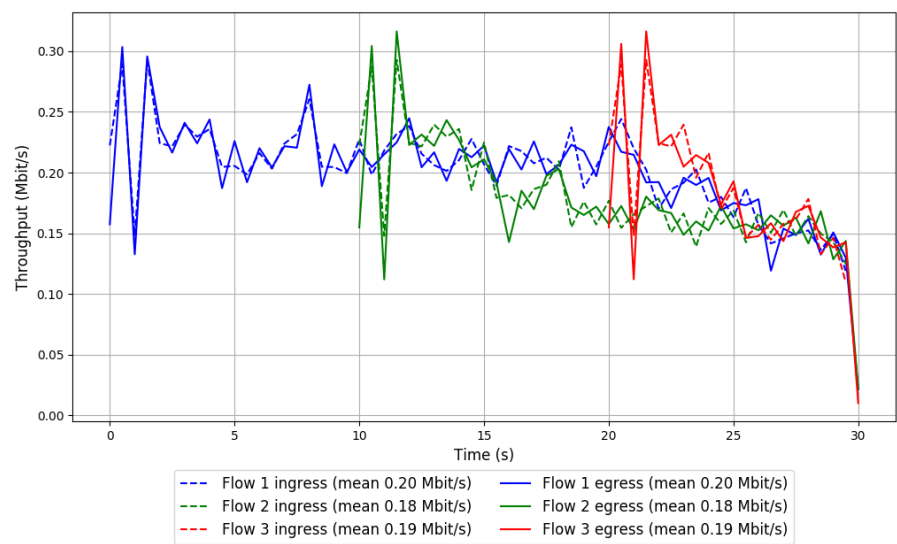


Run 3: Statistics of SCReAM

Start at: 2018-03-15 10:49:57
End at: 2018-03-15 10:50:27
Local clock offset: 3.462 ms
Remote clock offset: 38.488 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 139.282 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 139.309 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 139.226 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 138.992 ms
Loss rate: 0.83%

Run 3: Report of SReAM — Data Link

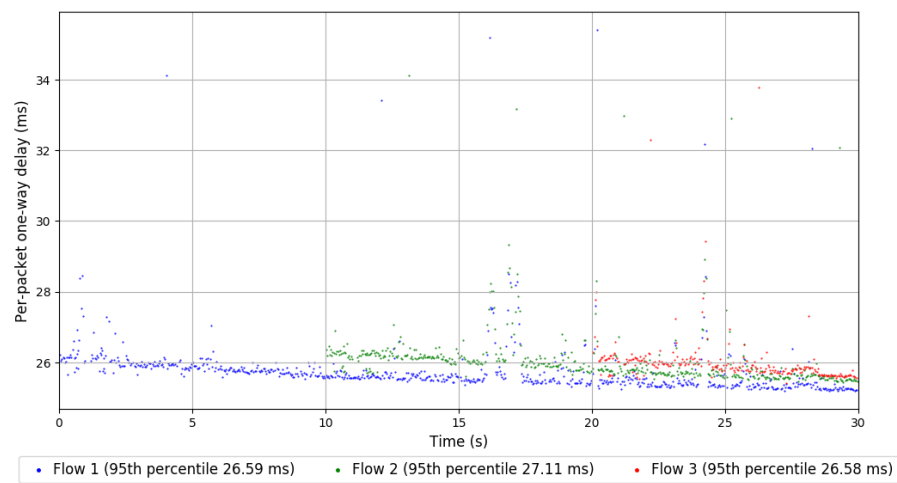
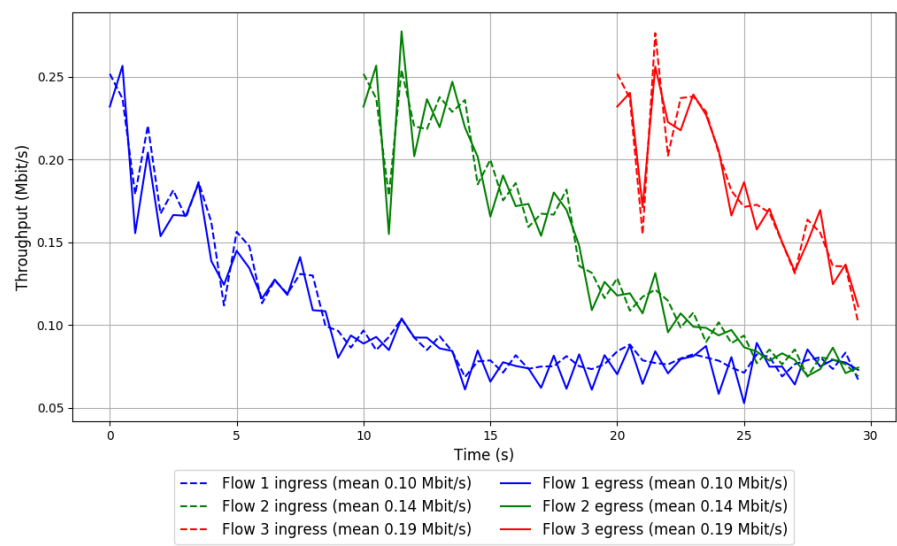


Run 4: Statistics of SCReAM

Start at: 2018-03-15 11:15:15
End at: 2018-03-15 11:15:45
Local clock offset: 8.624 ms
Remote clock offset: 34.028 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 26.859 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 26.594 ms
Loss rate: 3.36%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 27.107 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 26.577 ms
Loss rate: 0.81%

Run 4: Report of SReAM — Data Link

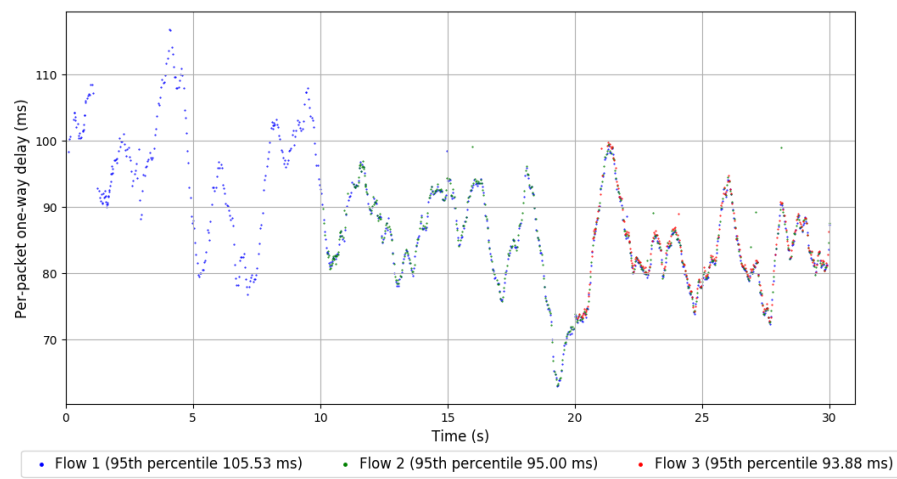
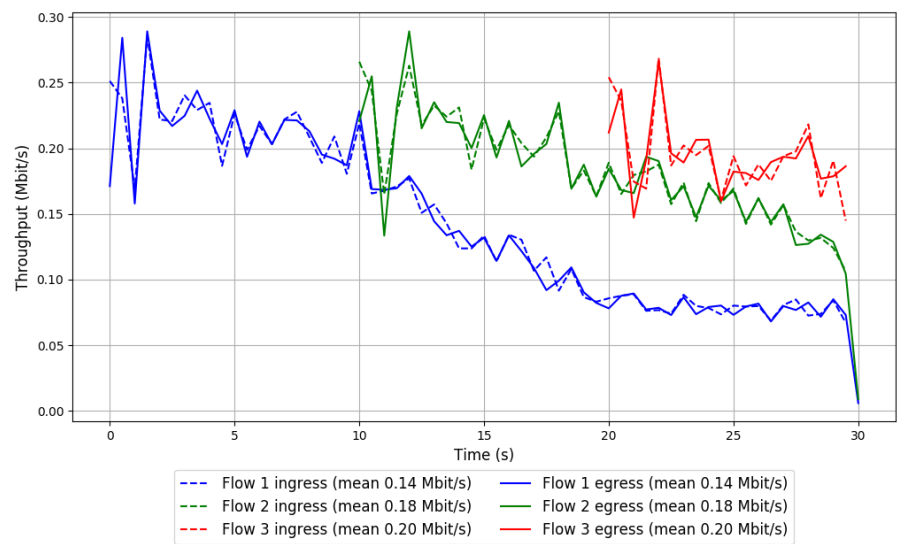


Run 5: Statistics of SCReAM

Start at: 2018-03-15 11:40:28
End at: 2018-03-15 11:40:58
Local clock offset: 4.274 ms
Remote clock offset: 49.862 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 101.612 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 105.526 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 94.996 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 93.882 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

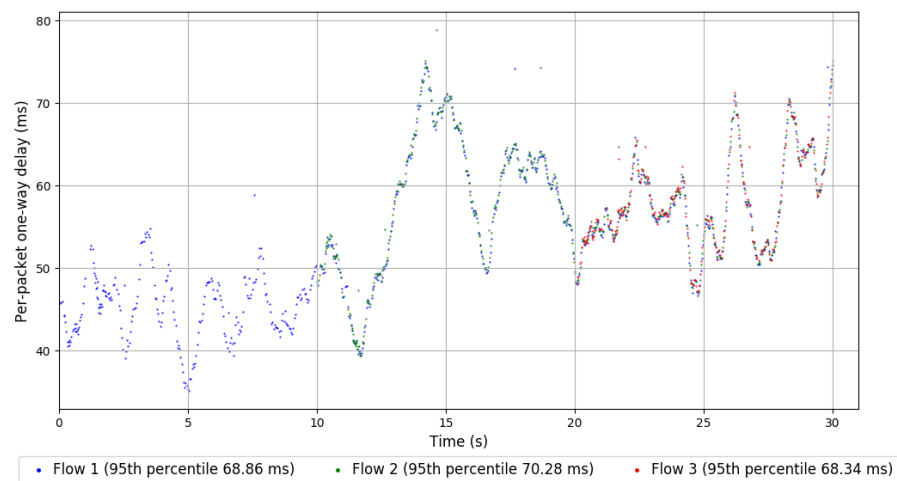
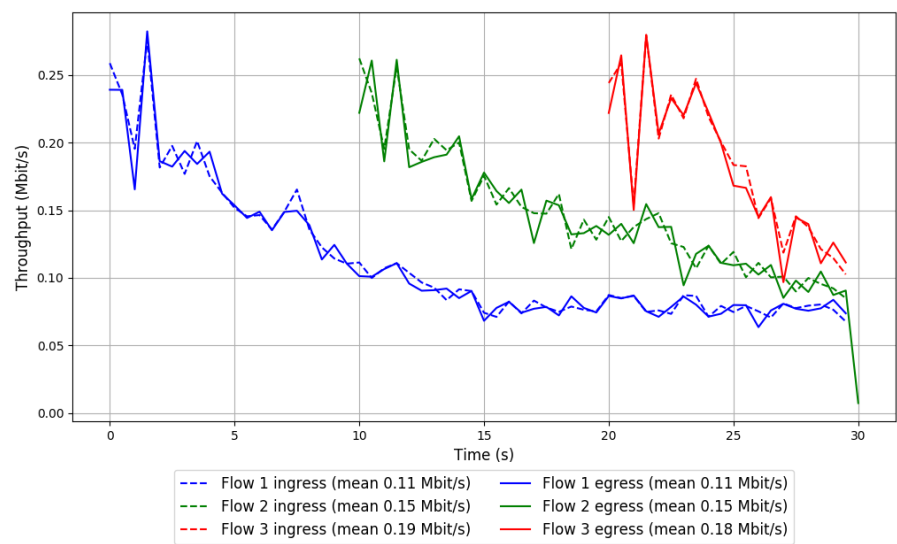


Run 6: Statistics of SCReAM

Start at: 2018-03-15 12:06:31
End at: 2018-03-15 12:07:01
Local clock offset: 1.319 ms
Remote clock offset: 45.981 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 69.464 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 68.857 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 70.279 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 68.343 ms
Loss rate: 1.59%

Run 6: Report of SCSReAM — Data Link

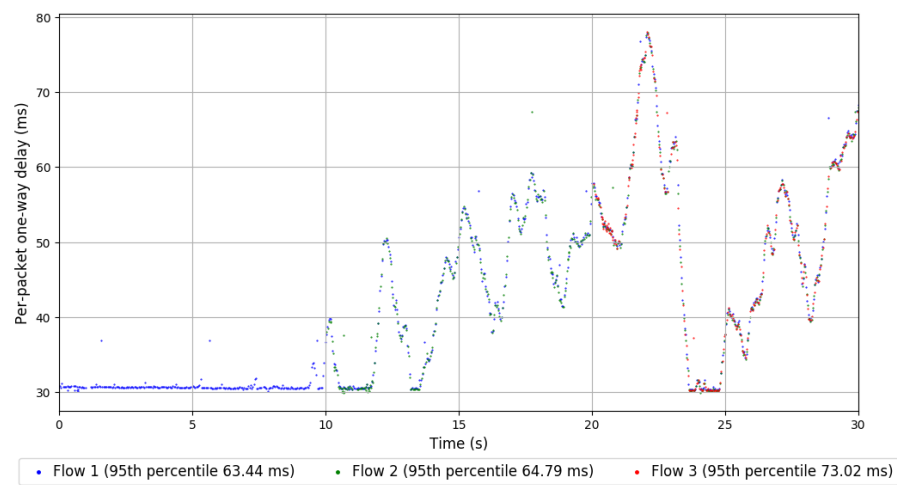
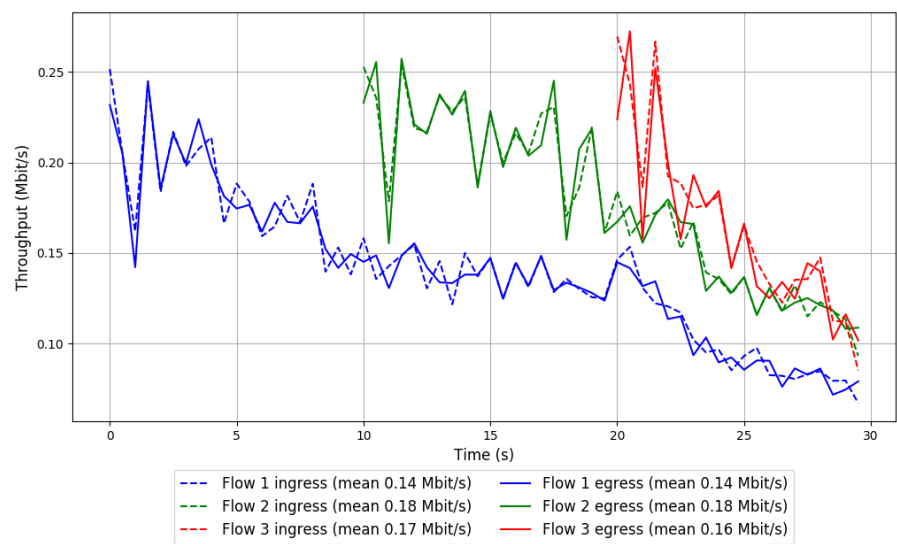


Run 7: Statistics of SCReAM

Start at: 2018-03-15 12:32:12
End at: 2018-03-15 12:32:42
Local clock offset: 4.404 ms
Remote clock offset: 47.911 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 66.410 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.443 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 64.789 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 73.019 ms
Loss rate: 2.17%

Run 7: Report of SCRaM — Data Link

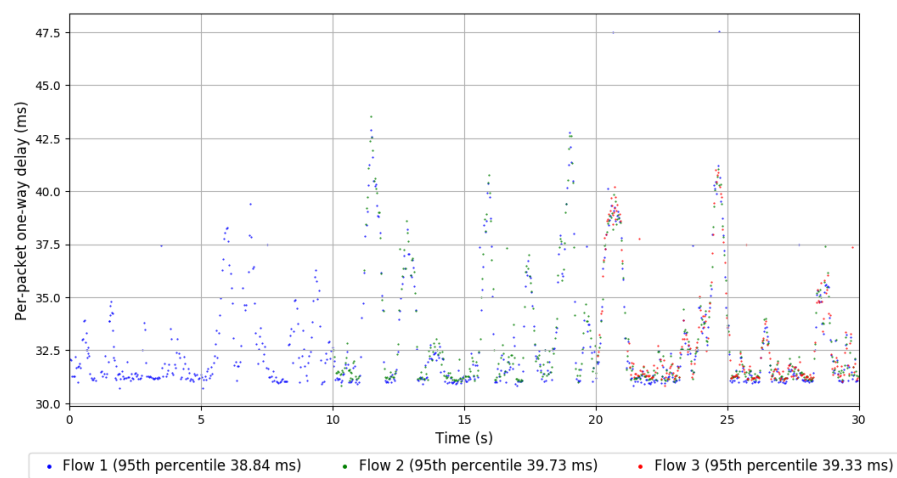
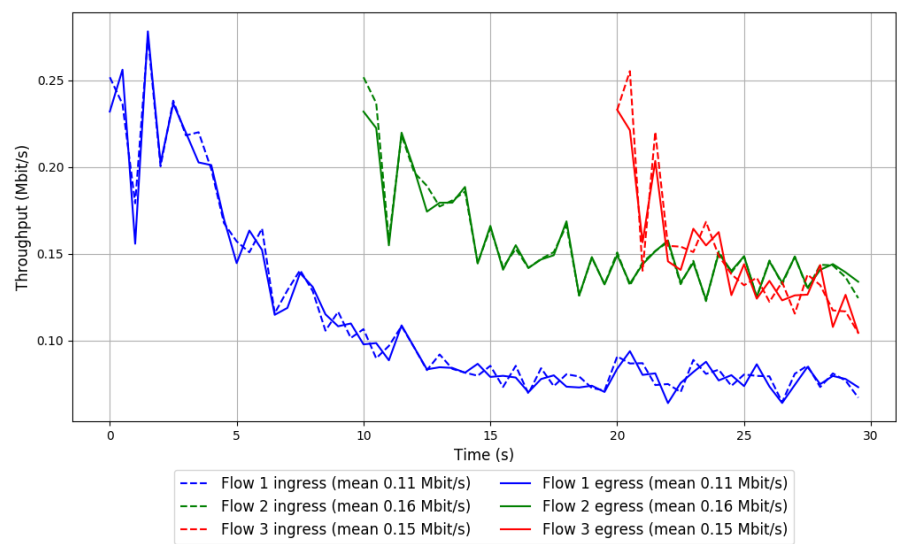


Run 8: Statistics of SCReAM

Start at: 2018-03-15 12:59:05
End at: 2018-03-15 12:59:35
Local clock offset: 5.366 ms
Remote clock offset: 47.75 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 39.246 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 38.835 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 39.728 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 39.329 ms
Loss rate: 1.44%

Run 8: Report of SReAM — Data Link

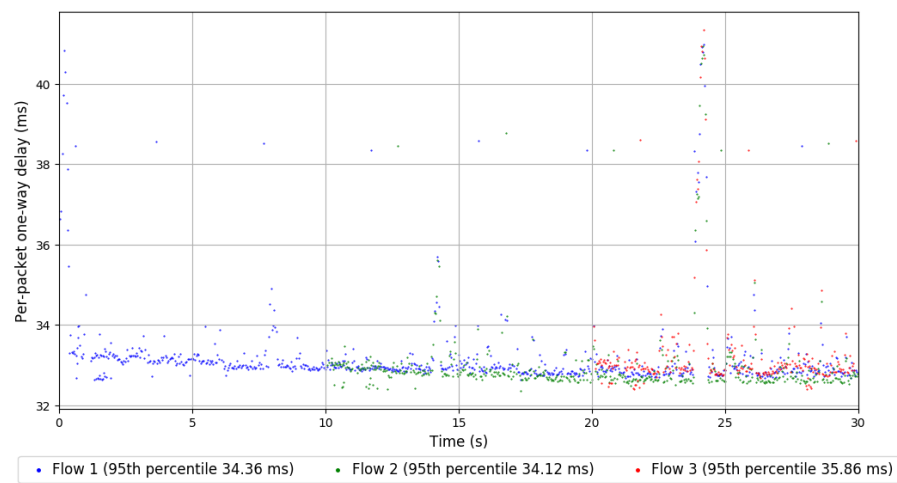
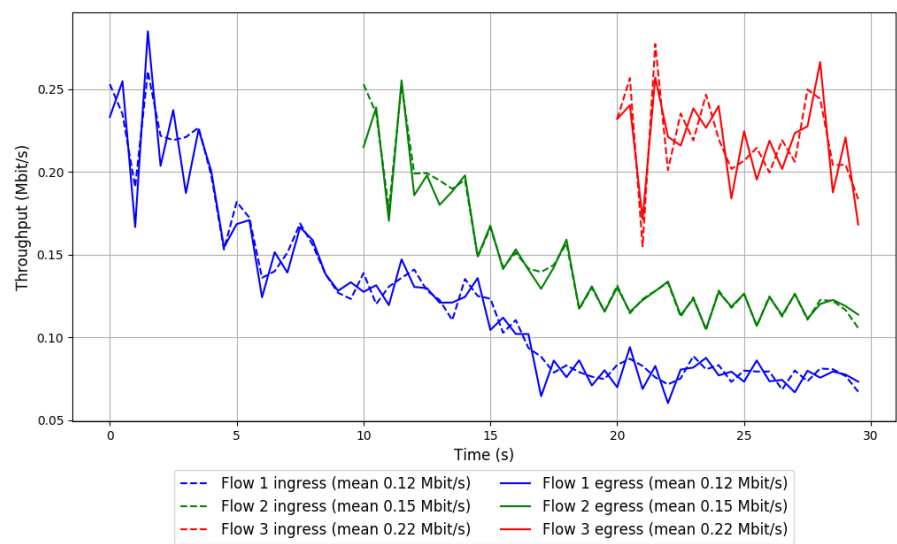


Run 9: Statistics of SCReAM

Start at: 2018-03-15 13:24:05
End at: 2018-03-15 13:24:35
Local clock offset: 3.447 ms
Remote clock offset: 46.405 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 34.411 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 34.363 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 34.115 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 35.863 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

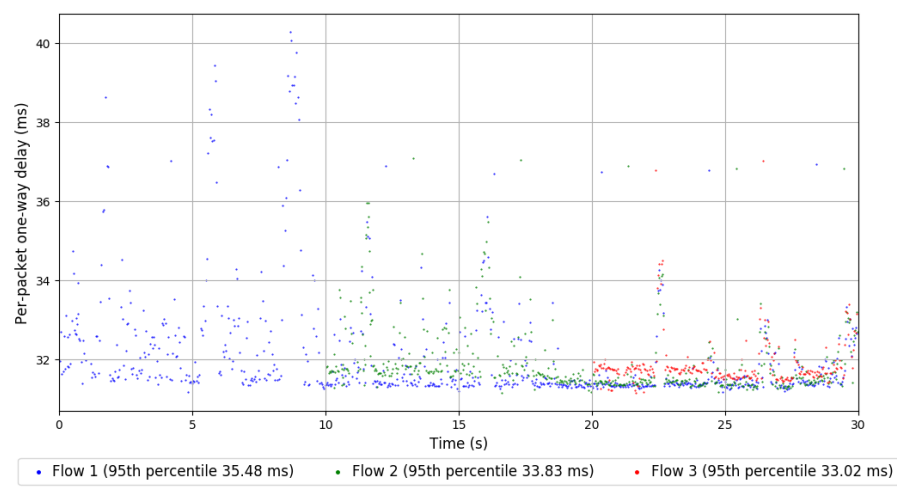
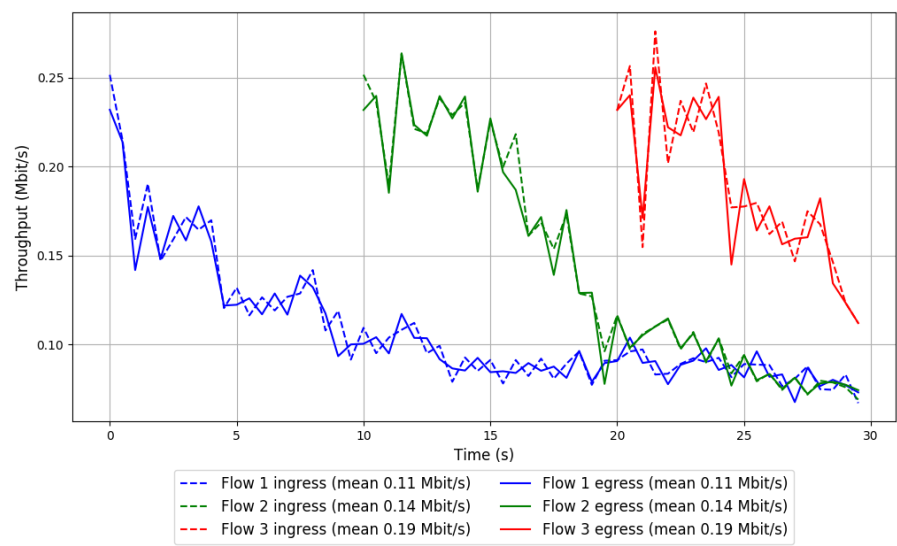


Run 10: Statistics of SReAM

Start at: 2018-03-15 13:49:22
End at: 2018-03-15 13:49:52
Local clock offset: 2.931 ms
Remote clock offset: 48.841 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 34.286 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 35.478 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 33.826 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 33.017 ms
Loss rate: 0.76%

Run 10: Report of SReAM — Data Link

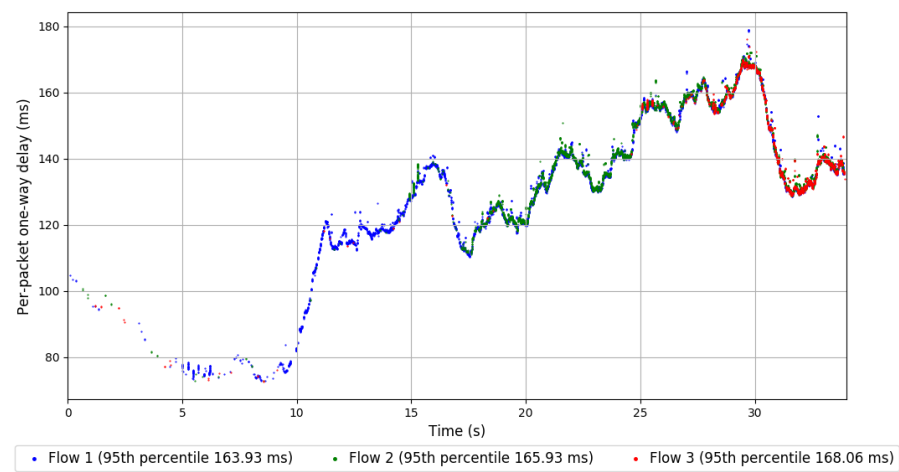
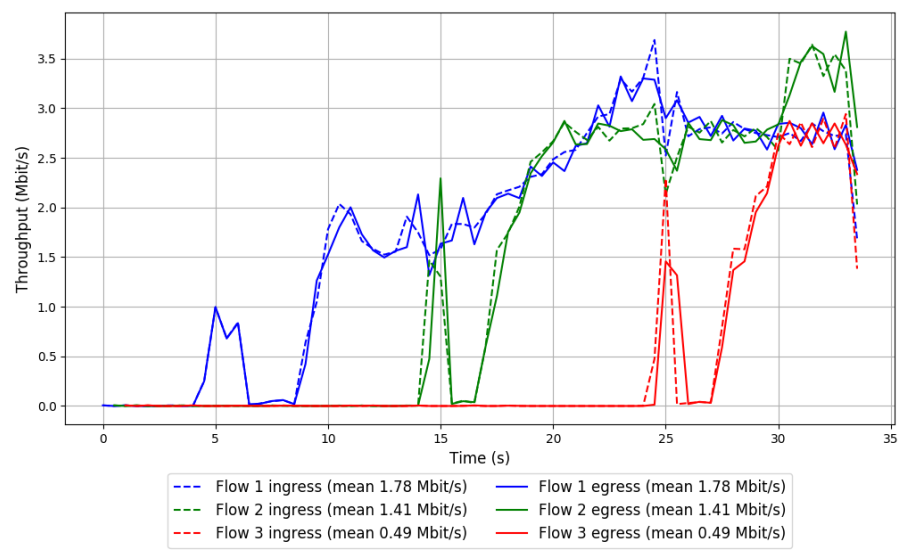


Run 1: Statistics of WebRTC media

Start at: 2018-03-15 10:06:09
End at: 2018-03-15 10:06:39
Local clock offset: 0.076 ms
Remote clock offset: 61.551 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 166.186 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 163.933 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 165.926 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 168.060 ms
Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-03-15 10:32:51

End at: 2018-03-15 10:33:21

Local clock offset: 2.211 ms

Remote clock offset: 41.28 ms

Below is generated by plot.py at 2018-03-15 14:33:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 60.010 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 62.535 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 52.245 ms

Loss rate: 1.55%

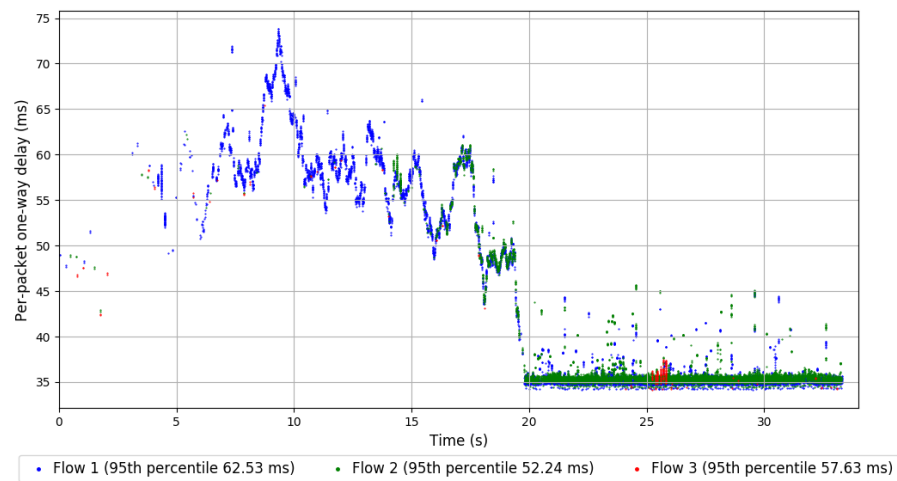
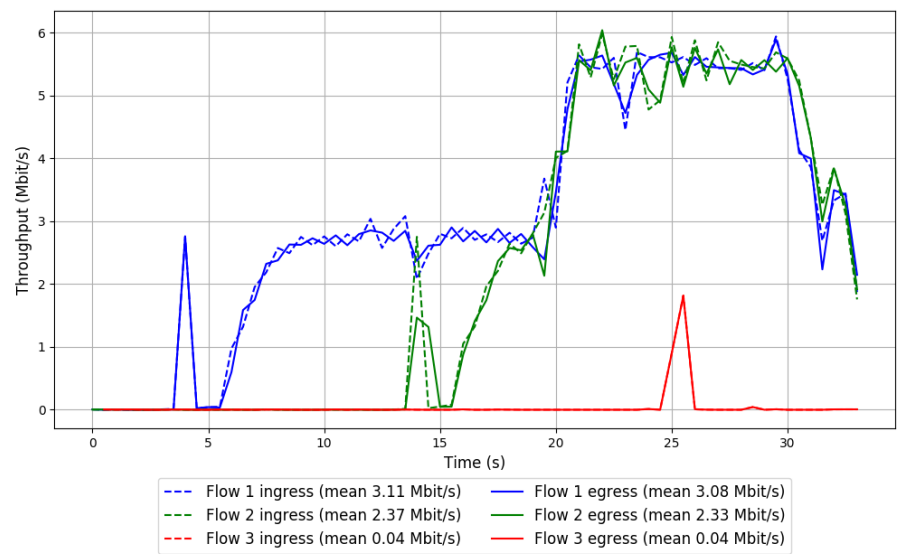
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 57.626 ms

Loss rate: 0.05%

Run 2: Report of WebRTC media — Data Link

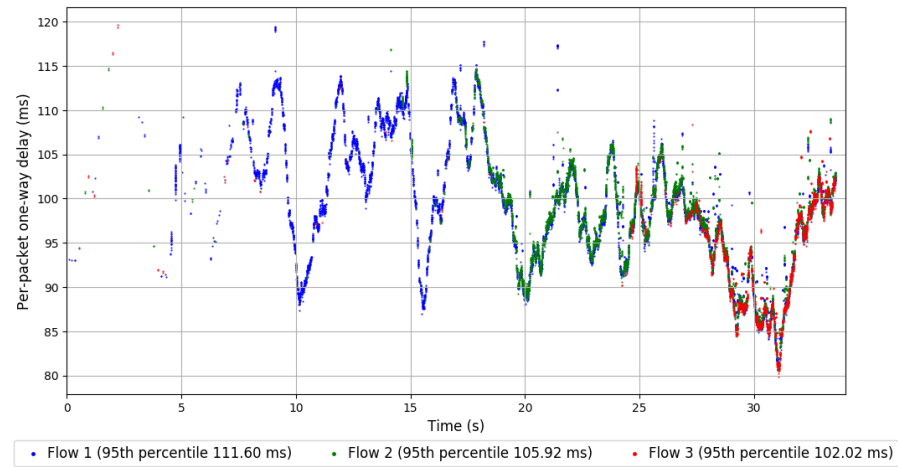
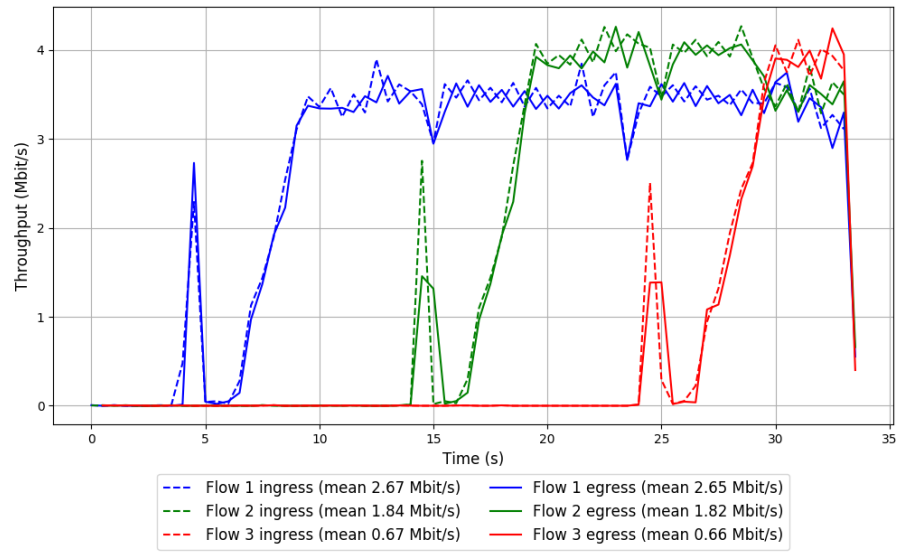


Run 3: Statistics of WebRTC media

Start at: 2018-03-15 11:00:56
End at: 2018-03-15 11:01:26
Local clock offset: 5.523 ms
Remote clock offset: 33.172 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 110.433 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 111.598 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 105.925 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 102.017 ms
Loss rate: 0.70%

Run 3: Report of WebRTC media — Data Link

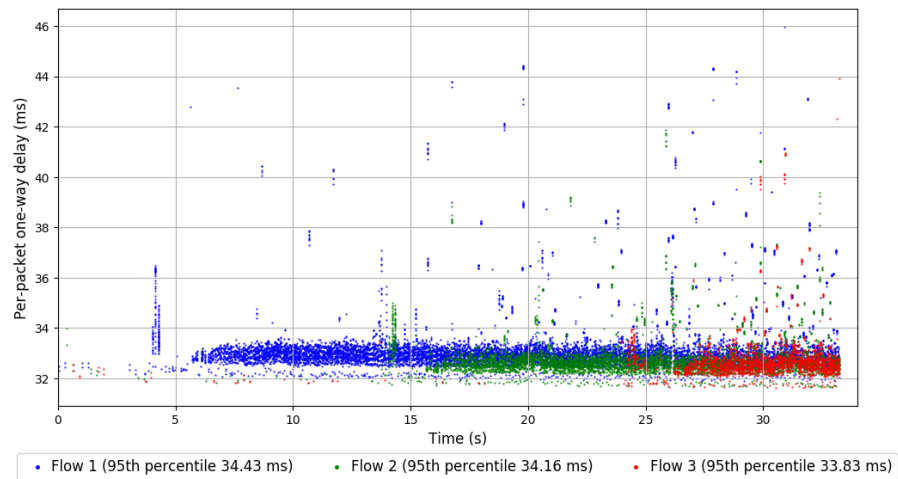
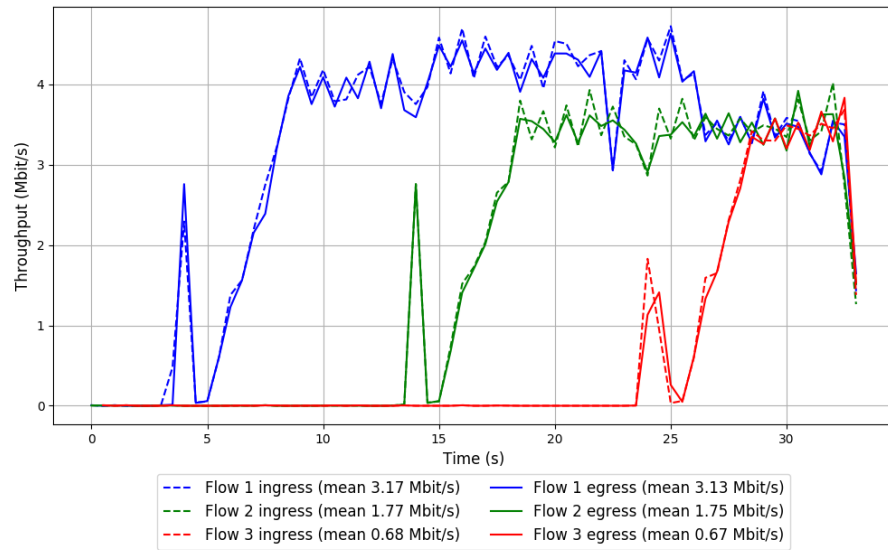


Run 4: Statistics of WebRTC media

Start at: 2018-03-15 11:26:09
End at: 2018-03-15 11:26:39
Local clock offset: 9.196 ms
Remote clock offset: 48.554 ms

```
# Below is generated by plot.py at 2018-03-15 14:33:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 34.238 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 34.432 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 34.162 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 33.827 ms
Loss rate: 0.71%
```

Run 4: Report of WebRTC media — Data Link

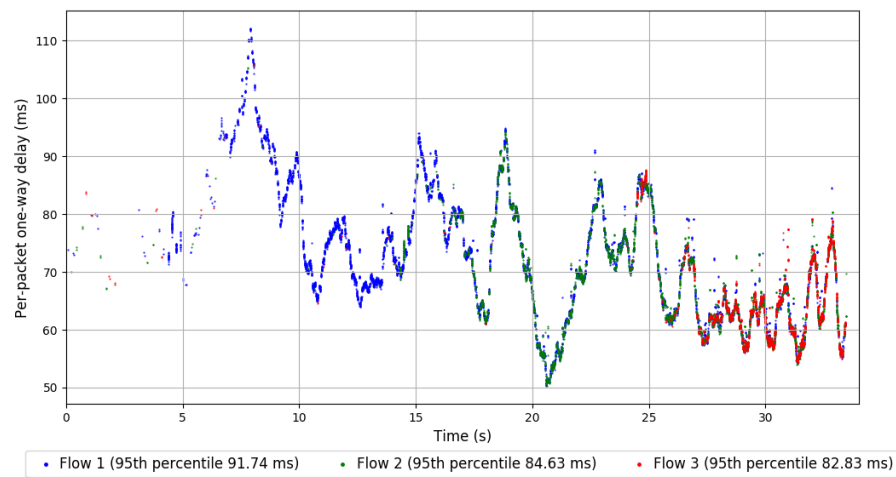
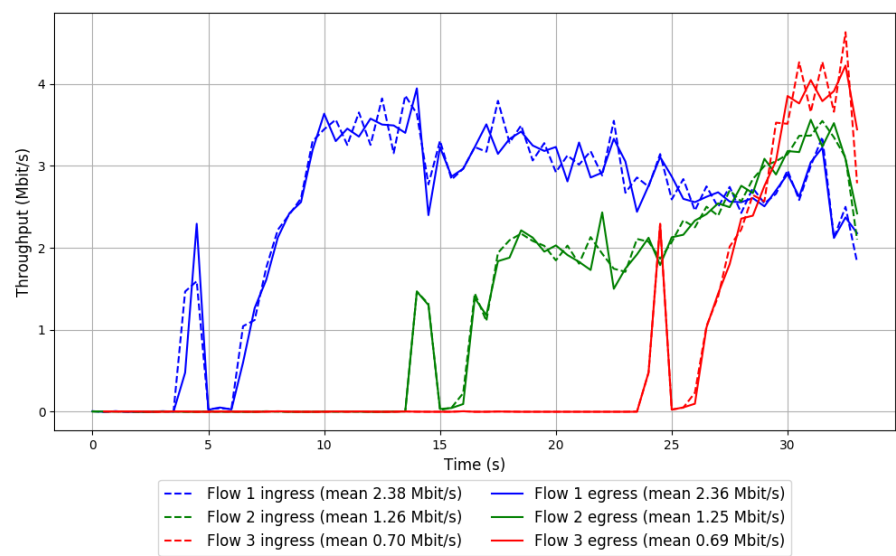


Run 5: Statistics of WebRTC media

Start at: 2018-03-15 11:51:56
End at: 2018-03-15 11:52:26
Local clock offset: 1.852 ms
Remote clock offset: 51.754 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 88.389 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 91.740 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 84.628 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 82.833 ms
Loss rate: 1.06%

Run 5: Report of WebRTC media — Data Link

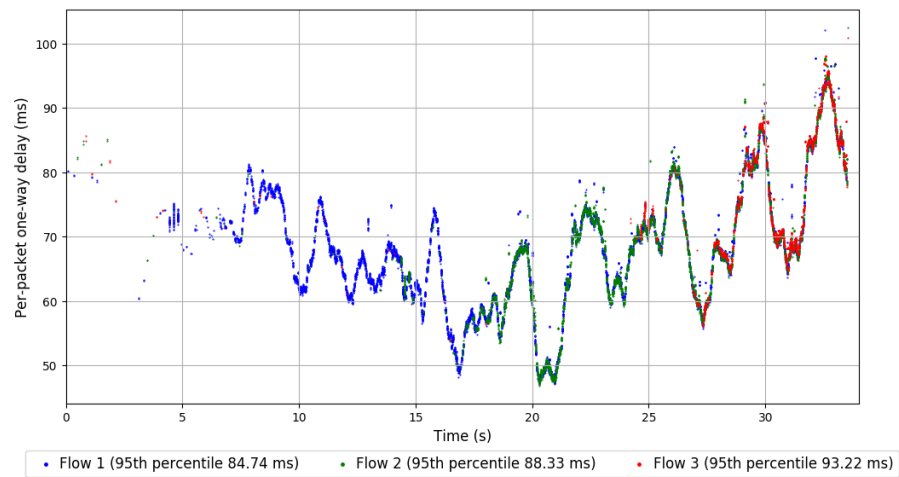
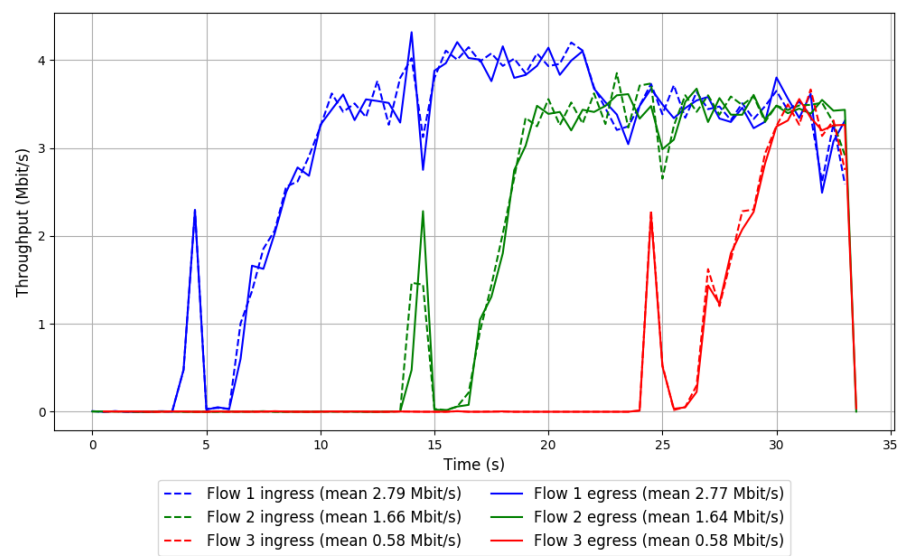


Run 6: Statistics of WebRTC media

Start at: 2018-03-15 12:18:01
End at: 2018-03-15 12:18:31
Local clock offset: 3.454 ms
Remote clock offset: 41.277 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: 87.617 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 84.741 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 88.333 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 93.220 ms
Loss rate: 0.57%

Run 6: Report of WebRTC media — Data Link

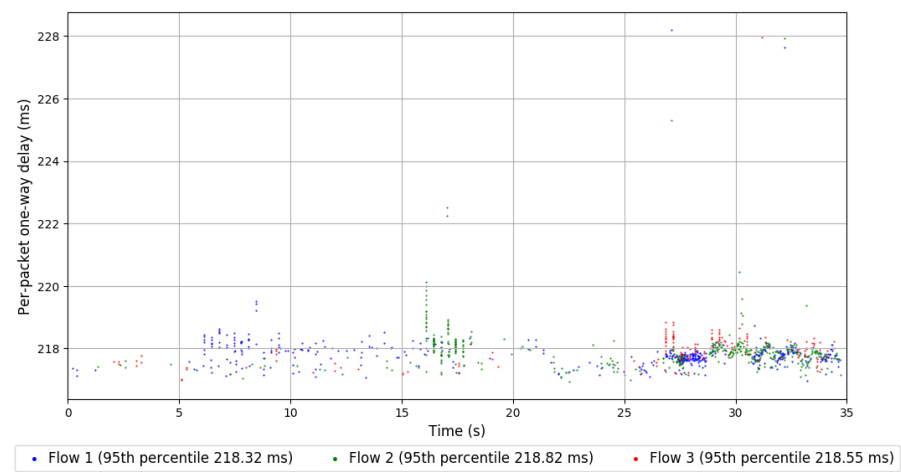
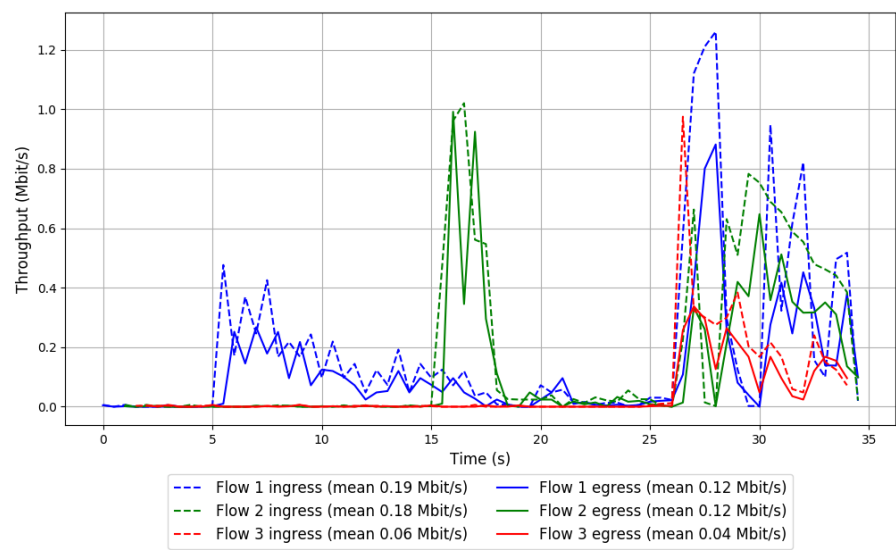


Run 7: Statistics of WebRTC media

Start at: 2018-03-15 12:43:58
End at: 2018-03-15 12:44:28
Local clock offset: 4.741 ms
Remote clock offset: 35.053 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 218.522 ms
Loss rate: 36.25%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 218.318 ms
Loss rate: 39.27%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 218.824 ms
Loss rate: 33.11%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 218.550 ms
Loss rate: 35.68%

Run 7: Report of WebRTC media — Data Link

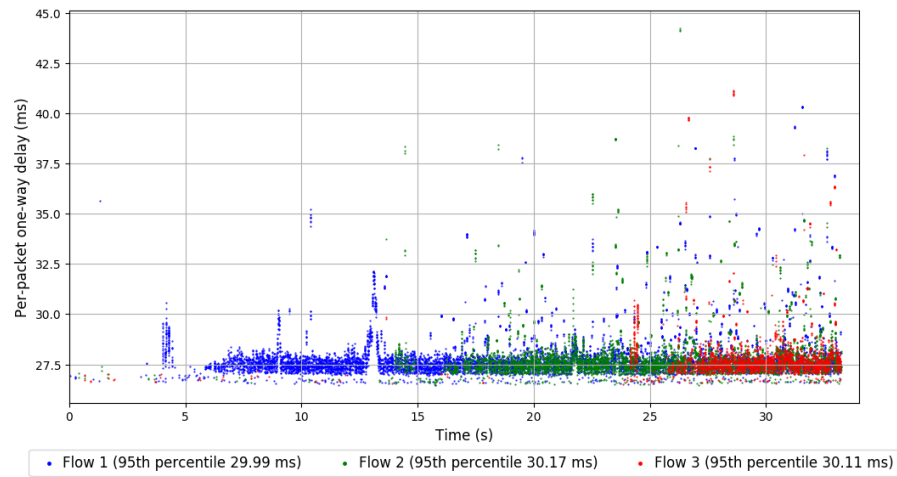
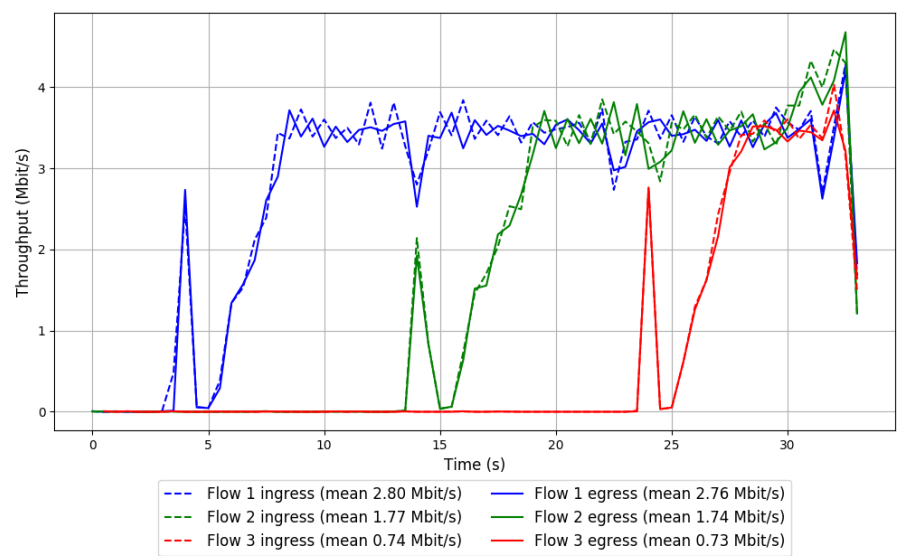


Run 8: Statistics of WebRTC media

Start at: 2018-03-15 13:09:51
End at: 2018-03-15 13:10:21
Local clock offset: 5.683 ms
Remote clock offset: 41.312 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 30.054 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 29.994 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 30.171 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 30.107 ms
Loss rate: 1.63%

Run 8: Report of WebRTC media — Data Link

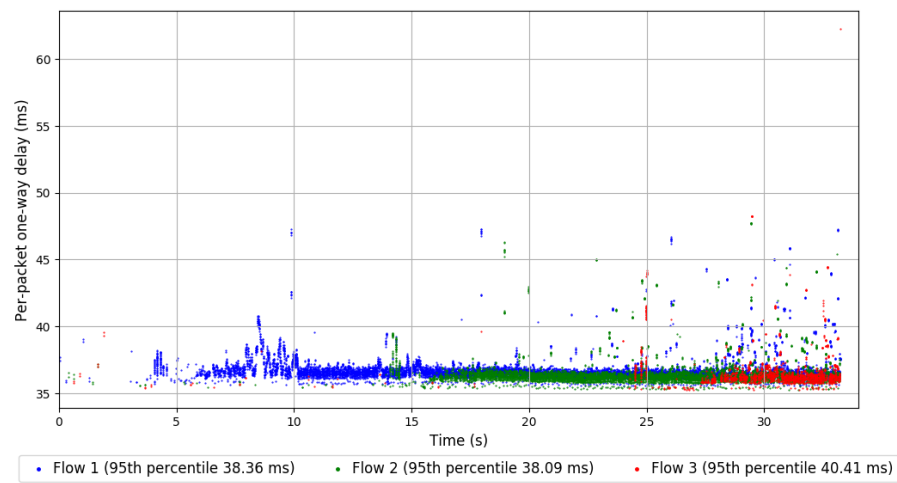
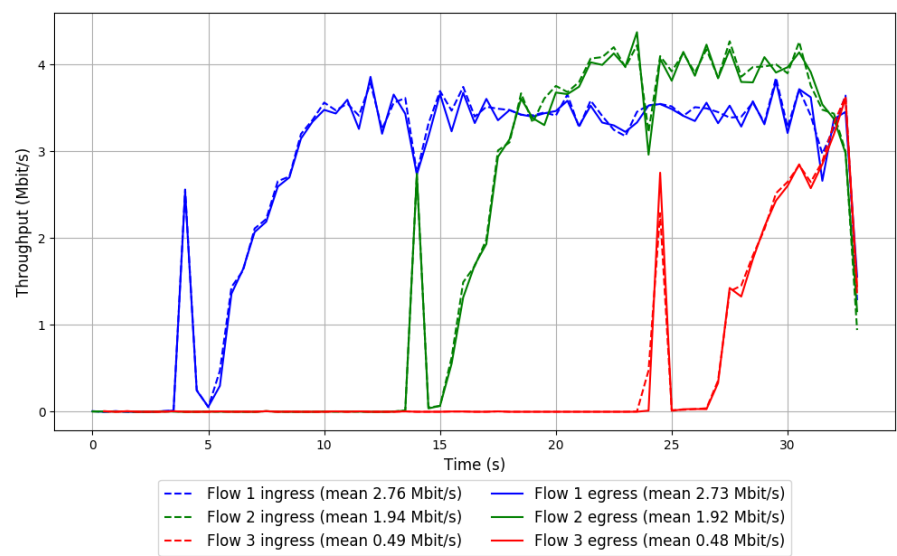


Run 9: Statistics of WebRTC media

Start at: 2018-03-15 13:34:40
End at: 2018-03-15 13:35:10
Local clock offset: 2.905 ms
Remote clock offset: 51.546 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 38.371 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 38.357 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 38.088 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 40.406 ms
Loss rate: 1.28%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-15 13:59:47

End at: 2018-03-15 14:00:17

Local clock offset: 3.573 ms

Remote clock offset: 65.83 ms

Below is generated by plot.py at 2018-03-15 14:33:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 56.267 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 2.75 Mbit/s

95th percentile per-packet one-way delay: 58.977 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 53.761 ms

Loss rate: 0.58%

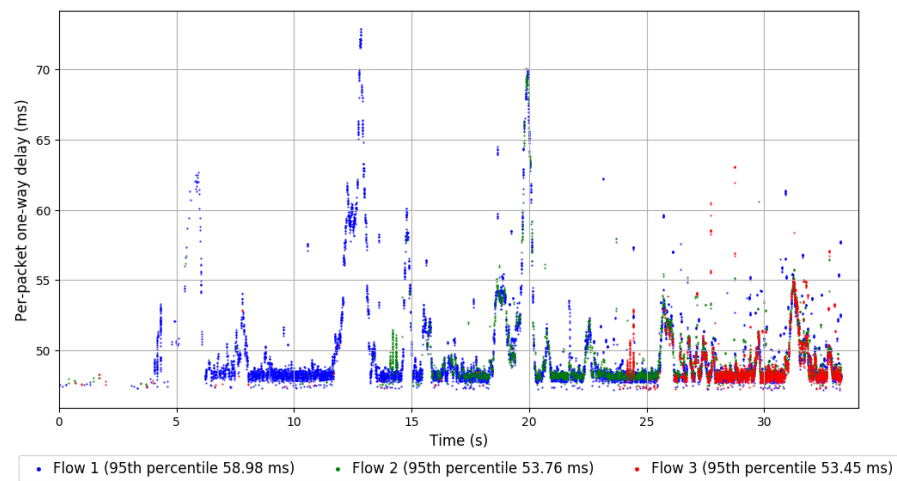
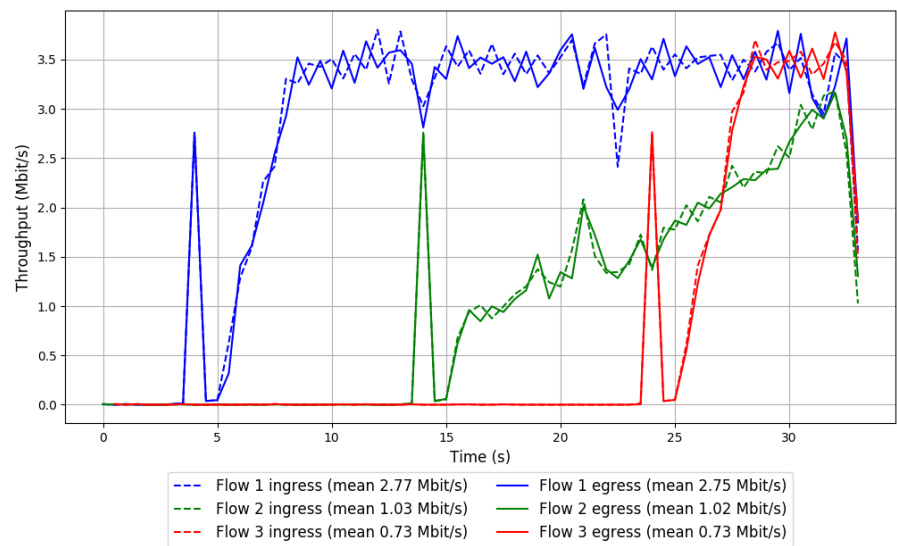
-- Flow 3:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 53.447 ms

Loss rate: 0.60%

Run 10: Report of WebRTC media — Data Link

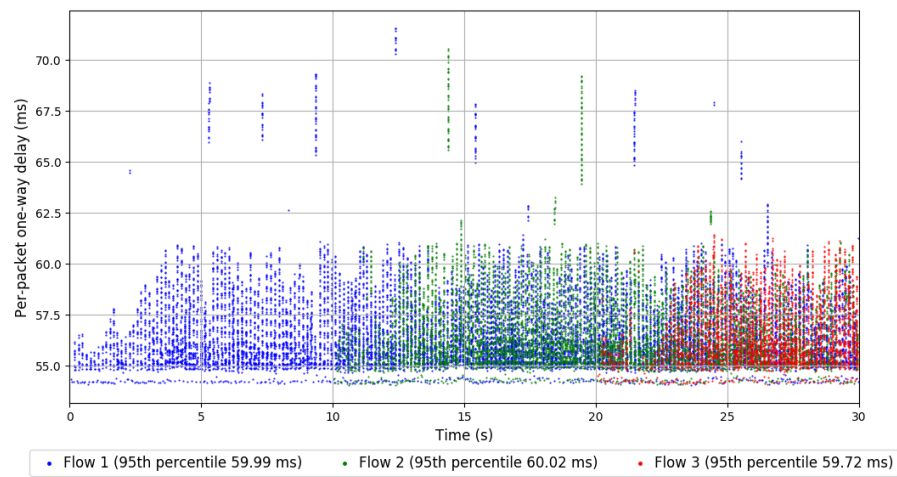
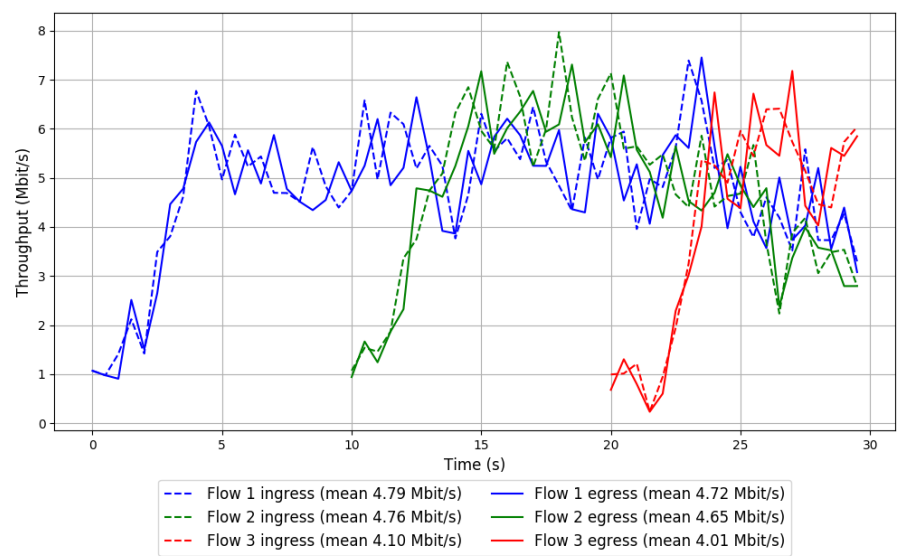


Run 1: Statistics of Sprout

Start at: 2018-03-15 09:43:36
End at: 2018-03-15 09:44:06
Local clock offset: 0.727 ms
Remote clock offset: 46.144 ms

Below is generated by plot.py at 2018-03-15 14:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 59.963 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 59.993 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 60.025 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 59.718 ms
Loss rate: 2.24%

Run 1: Report of Sprout — Data Link

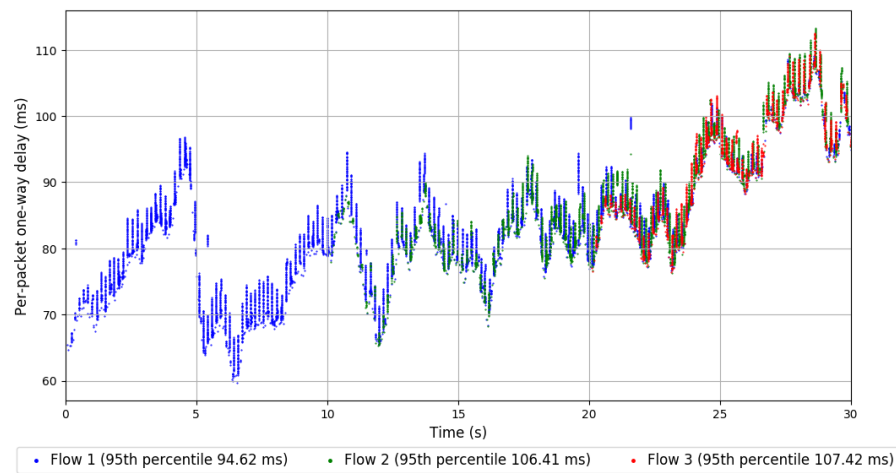
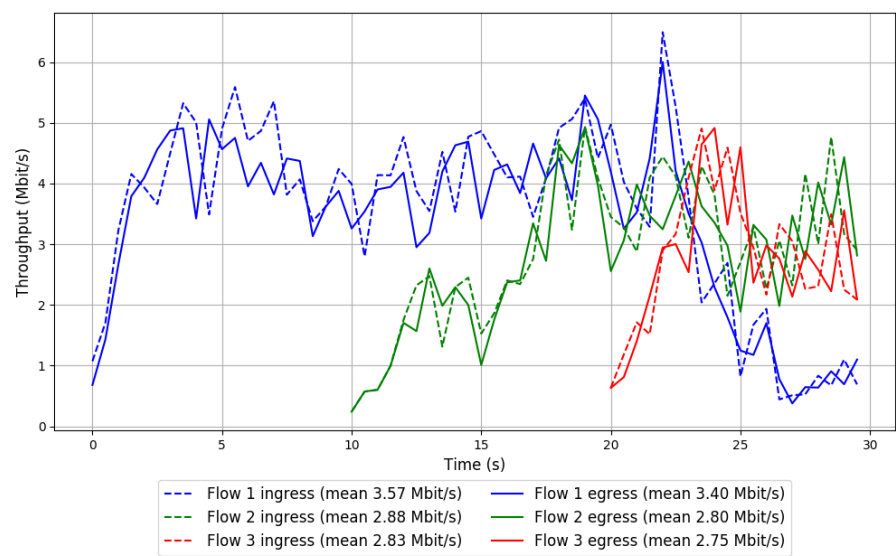


Run 2: Statistics of Sprout

Start at: 2018-03-15 10:11:05
End at: 2018-03-15 10:11:35
Local clock offset: -1.099 ms
Remote clock offset: 56.166 ms

```
# Below is generated by plot.py at 2018-03-15 14:33:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 104.028 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 94.618 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 106.409 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 107.425 ms
Loss rate: 2.62%
```

Run 2: Report of Sprout — Data Link

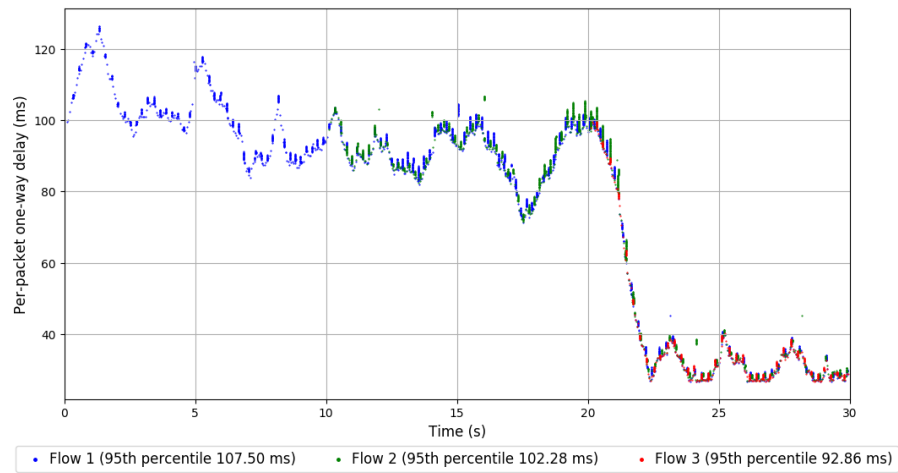
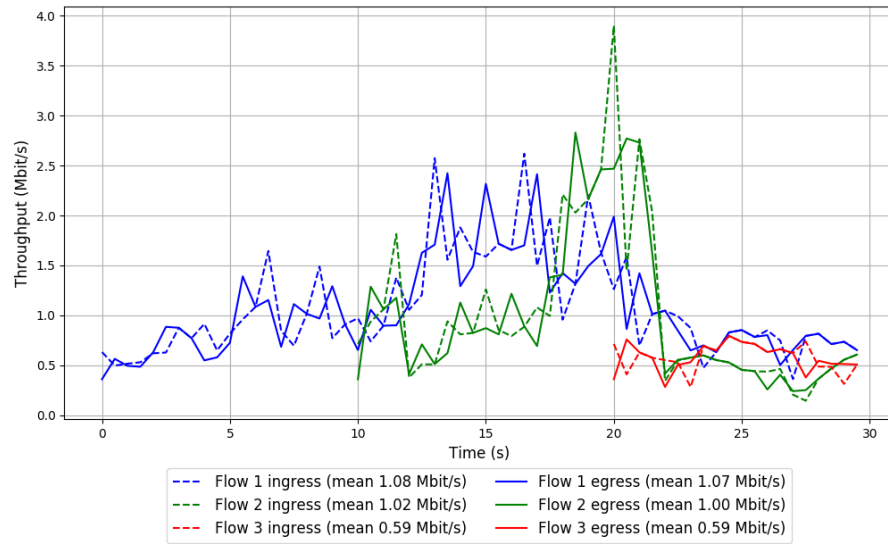


Run 3: Statistics of Sprout

Start at: 2018-03-15 10:38:06
End at: 2018-03-15 10:38:36
Local clock offset: 2.764 ms
Remote clock offset: 32.619 ms

```
# Below is generated by plot.py at 2018-03-15 14:33:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 104.713 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 107.500 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 102.283 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 92.864 ms
Loss rate: 1.03%
```


Run 3: Report of Sprout — Data Link

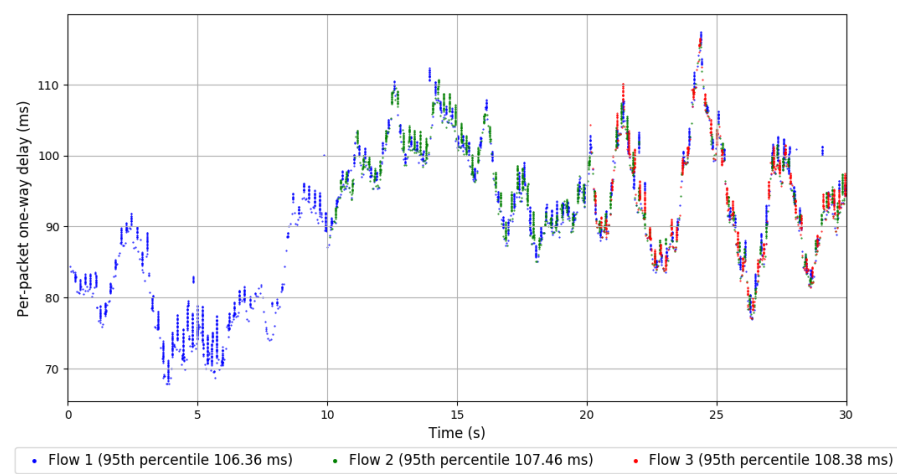
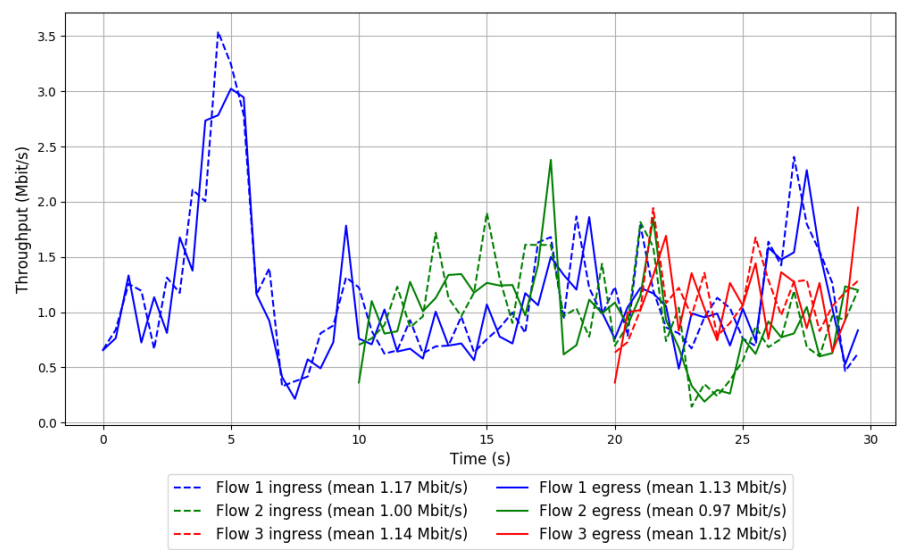


Run 4: Statistics of Sprout

Start at: 2018-03-15 11:04:57
End at: 2018-03-15 11:05:27
Local clock offset: 5.974 ms
Remote clock offset: 34.722 ms

```
# Below is generated by plot.py at 2018-03-15 14:33:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 107.090 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 106.358 ms
Loss rate: 4.10%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 107.460 ms
Loss rate: 3.23%
-- Flow 3:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 108.383 ms
Loss rate: 1.70%
```

Run 4: Report of Sprout — Data Link

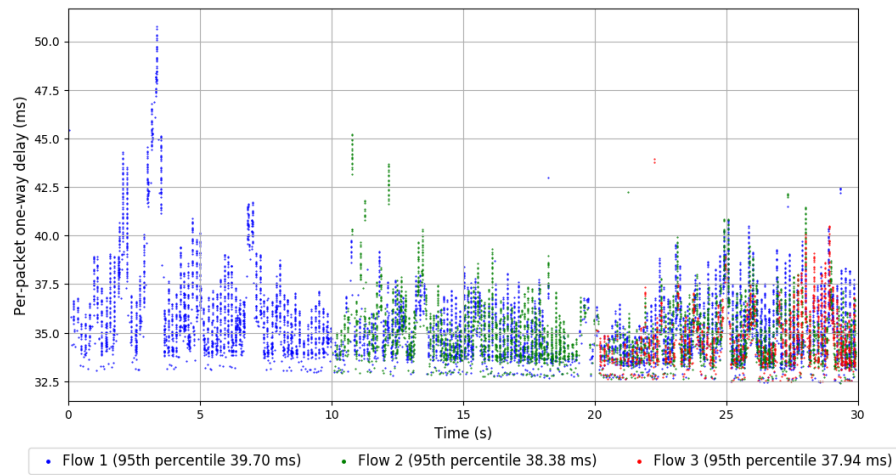
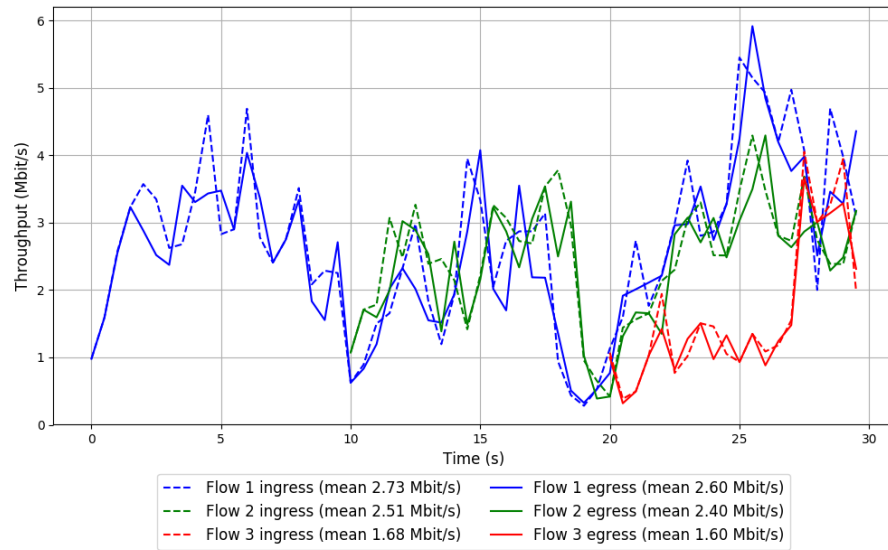


Run 5: Statistics of Sprout

Start at: 2018-03-15 11:30:06
End at: 2018-03-15 11:30:36
Local clock offset: 9.577 ms
Remote clock offset: 51.462 ms

Below is generated by plot.py at 2018-03-15 14:33:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 38.990 ms
Loss rate: 4.65%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 39.697 ms
Loss rate: 4.85%
-- Flow 2:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 38.378 ms
Loss rate: 4.25%
-- Flow 3:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 37.943 ms
Loss rate: 4.86%

Run 5: Report of Sprout — Data Link

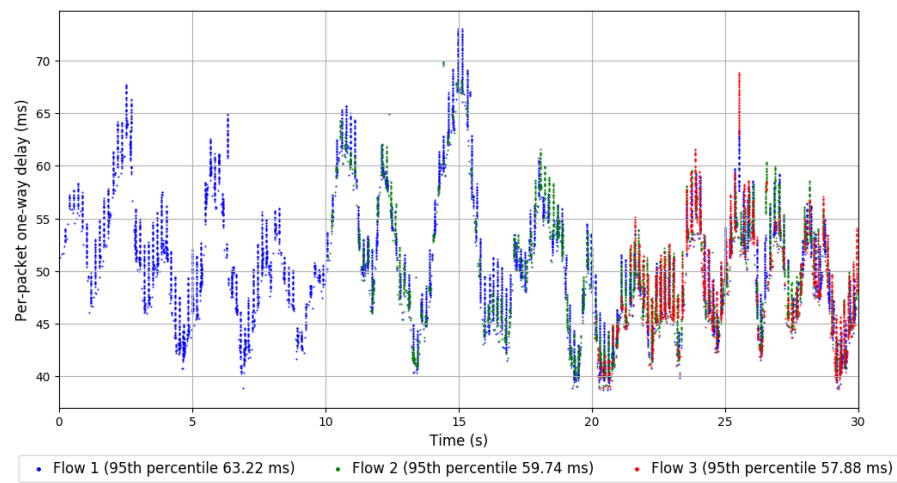
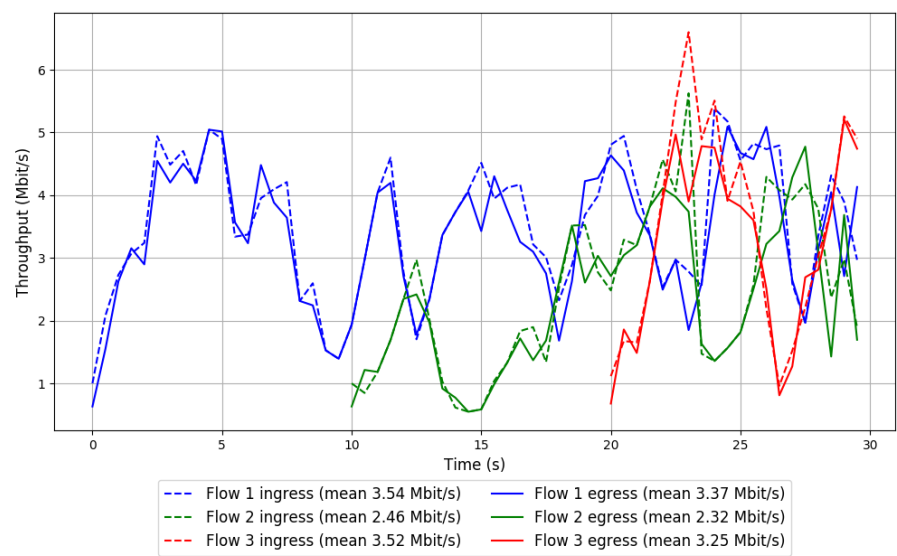


Run 6: Statistics of Sprout

Start at: 2018-03-15 11:56:16
End at: 2018-03-15 11:56:46
Local clock offset: 0.561 ms
Remote clock offset: 53.626 ms

Below is generated by plot.py at 2018-03-15 14:33:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 61.640 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 63.217 ms
Loss rate: 4.67%
-- Flow 2:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 59.740 ms
Loss rate: 5.83%
-- Flow 3:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 57.882 ms
Loss rate: 7.80%

Run 6: Report of Sprout — Data Link

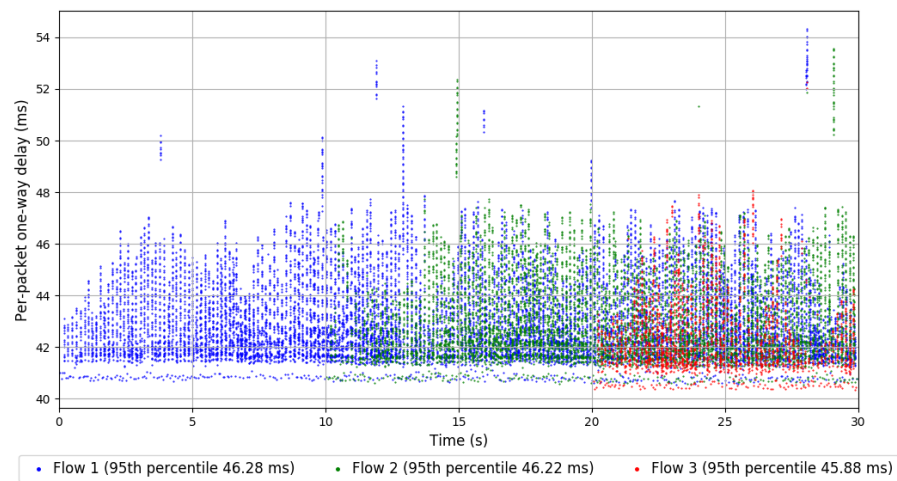
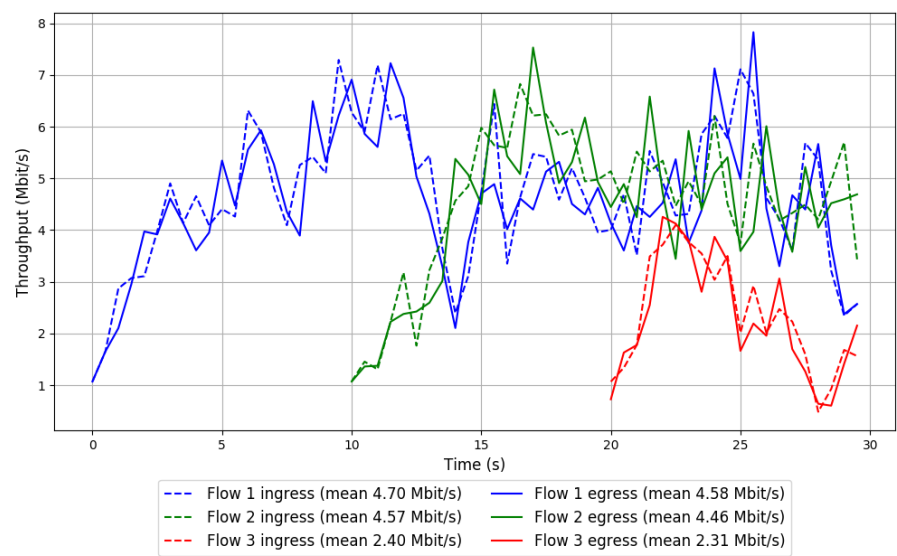


Run 7: Statistics of Sprout

Start at: 2018-03-15 12:22:00
End at: 2018-03-15 12:22:30
Local clock offset: 3.034 ms
Remote clock offset: 55.472 ms

```
# Below is generated by plot.py at 2018-03-15 14:33:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 46.228 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 46.277 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 46.216 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 45.885 ms
Loss rate: 3.49%
```


Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-03-15 12:48:25

End at: 2018-03-15 12:48:55

Local clock offset: 4.85 ms

Remote clock offset: 83.99 ms

Below is generated by plot.py at 2018-03-15 14:33:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 75.121 ms

Loss rate: 1.81%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 73.320 ms

Loss rate: 2.60%

-- Flow 2:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 74.717 ms

Loss rate: 0.76%

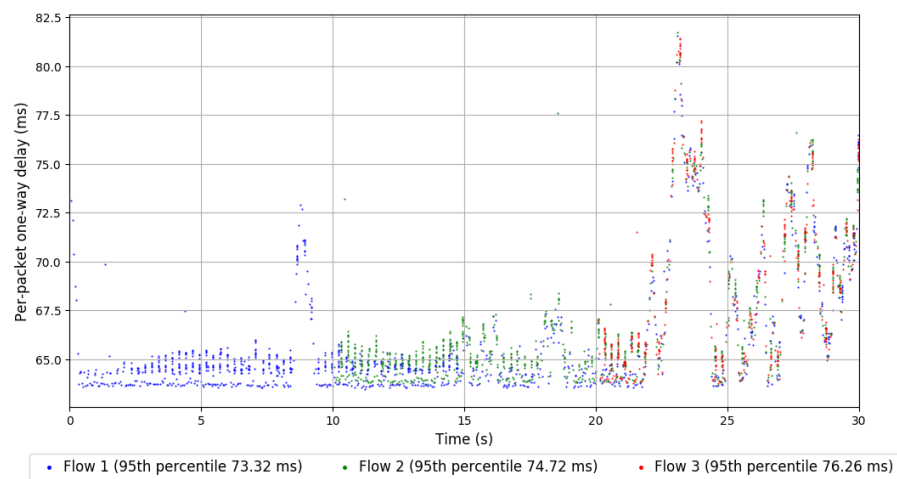
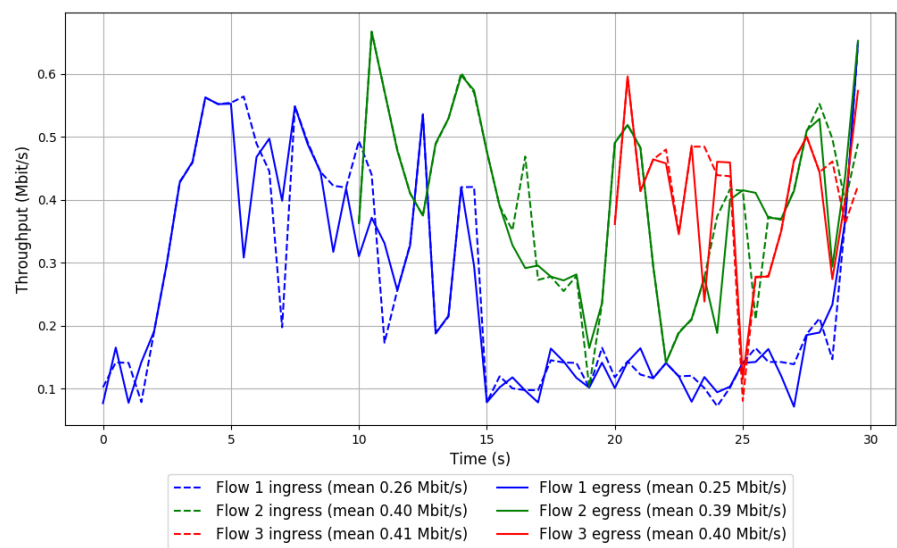
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 76.258 ms

Loss rate: 2.33%

Run 8: Report of Sprout — Data Link

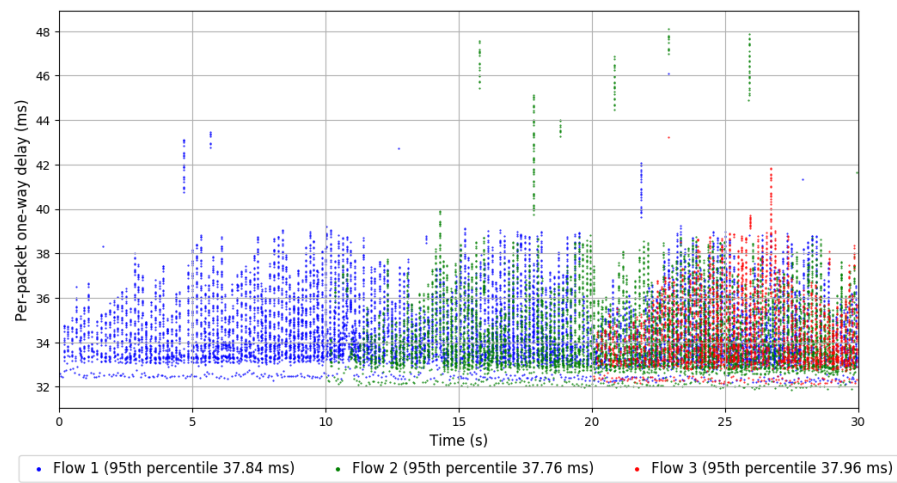
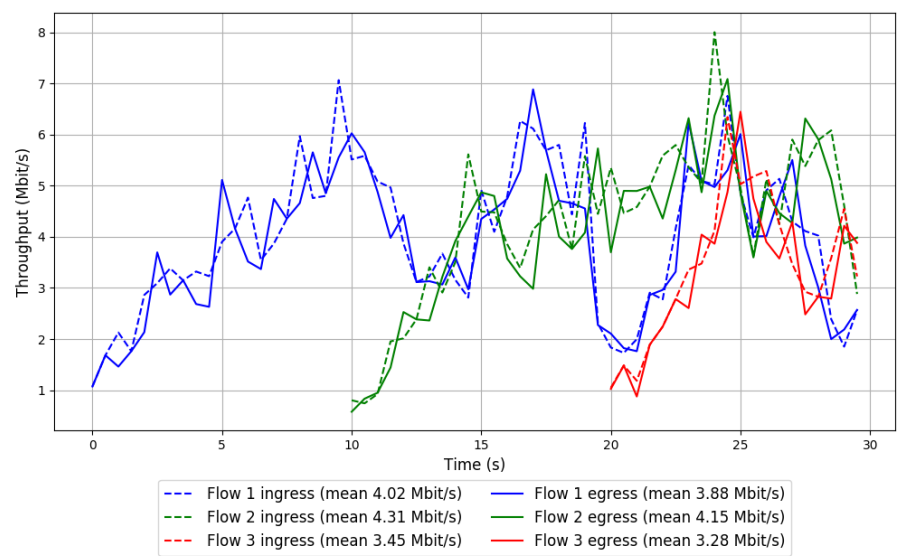


Run 9: Statistics of Sprout

Start at: 2018-03-15 13:13:43
End at: 2018-03-15 13:14:13
Local clock offset: 5.804 ms
Remote clock offset: 46.917 ms

```
# Below is generated by plot.py at 2018-03-15 14:33:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 37.820 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 37.842 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 37.759 ms
Loss rate: 3.78%
-- Flow 3:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 37.960 ms
Loss rate: 4.98%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-03-15 13:38:58

End at: 2018-03-15 13:39:28

Local clock offset: 2.921 ms

Remote clock offset: 46.51 ms

Below is generated by plot.py at 2018-03-15 14:33:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 35.563 ms

Loss rate: 4.31%

-- Flow 1:

Average throughput: 3.65 Mbit/s

95th percentile per-packet one-way delay: 35.568 ms

Loss rate: 3.69%

-- Flow 2:

Average throughput: 3.74 Mbit/s

95th percentile per-packet one-way delay: 35.598 ms

Loss rate: 4.35%

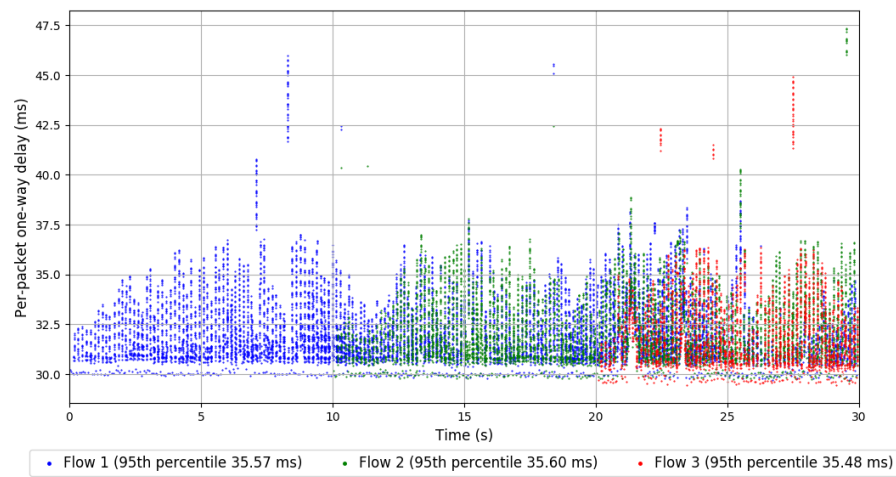
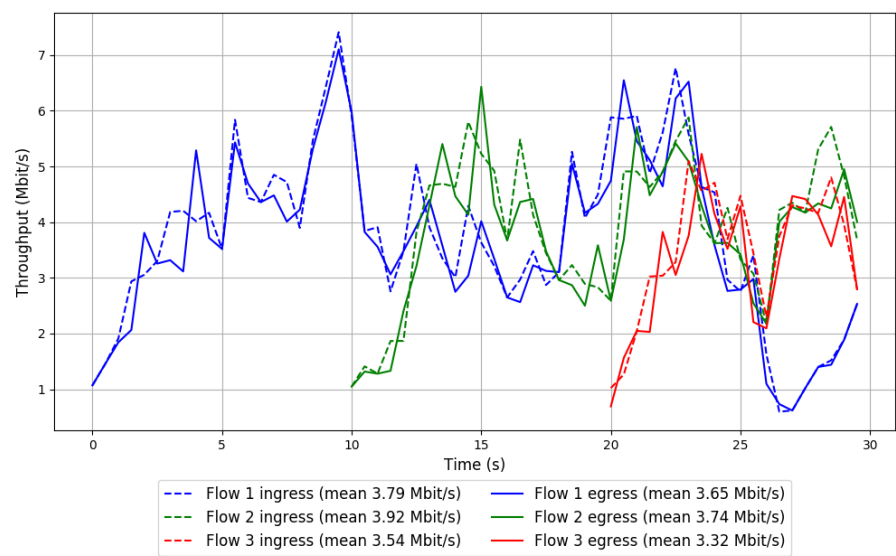
-- Flow 3:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 35.483 ms

Loss rate: 6.21%

Run 10: Report of Sprout — Data Link

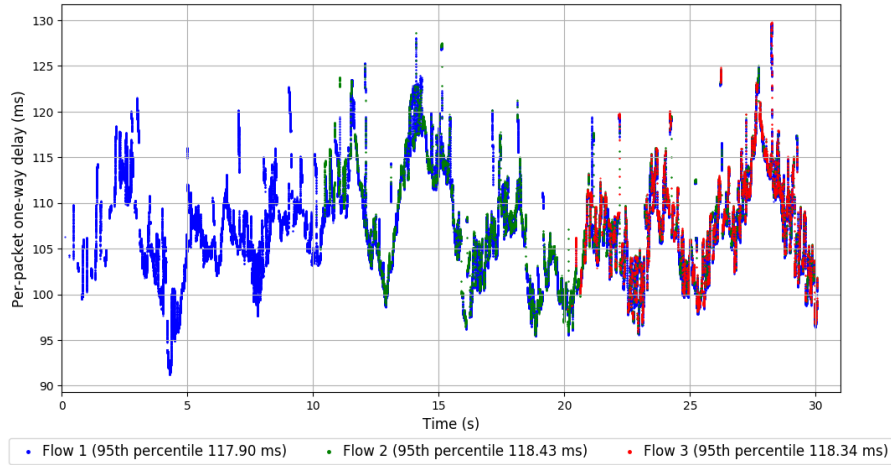
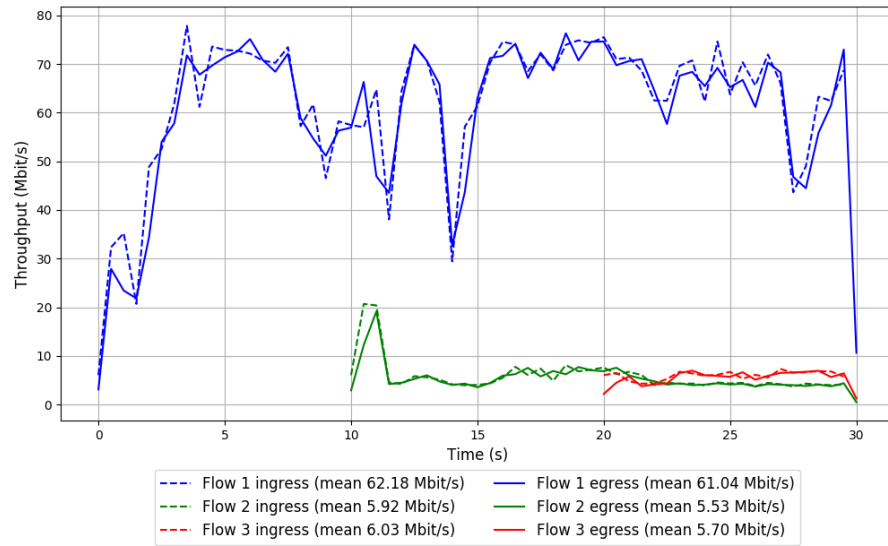


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-15 10:07:28
End at: 2018-03-15 10:07:58
Local clock offset: -0.628 ms
Remote clock offset: 61.71 ms

# Below is generated by plot.py at 2018-03-15 14:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.61 Mbit/s
95th percentile per-packet one-way delay: 117.931 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 117.896 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 118.428 ms
Loss rate: 6.50%
-- Flow 3:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 118.341 ms
Loss rate: 5.43%
```


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

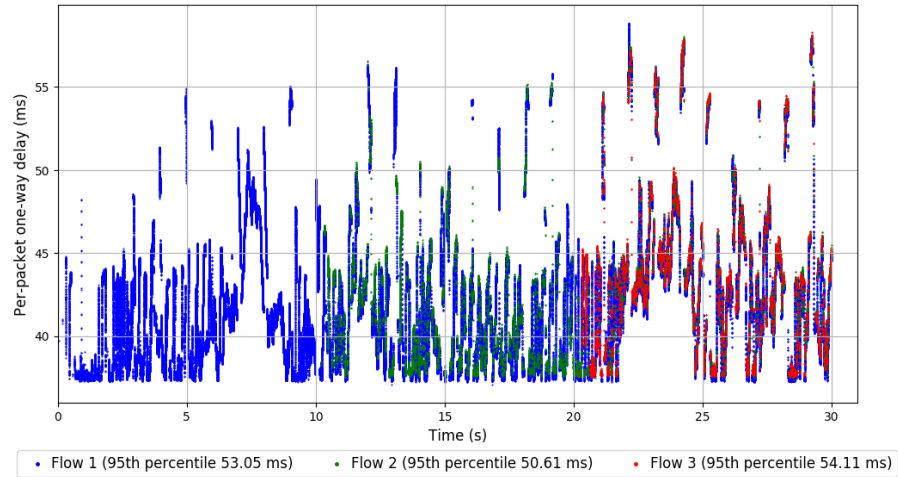
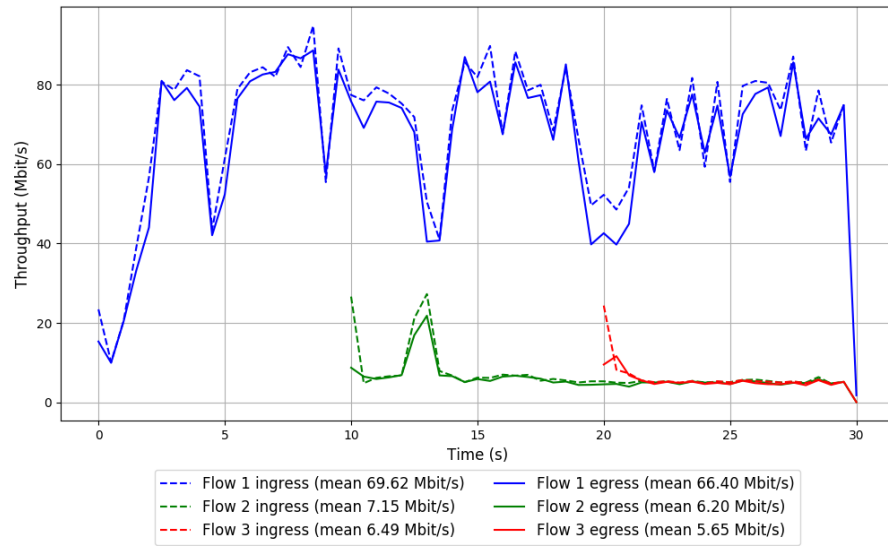


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-15 10:34:20
End at: 2018-03-15 10:34:50
Local clock offset: -0.258 ms
Remote clock offset: 41.349 ms

Below is generated by plot.py at 2018-03-15 14:35:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.40 Mbit/s
95th percentile per-packet one-way delay: 53.015 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 66.40 Mbit/s
95th percentile per-packet one-way delay: 53.051 ms
Loss rate: 4.61%
-- Flow 2:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 50.611 ms
Loss rate: 13.30%
-- Flow 3:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 54.109 ms
Loss rate: 12.91%

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

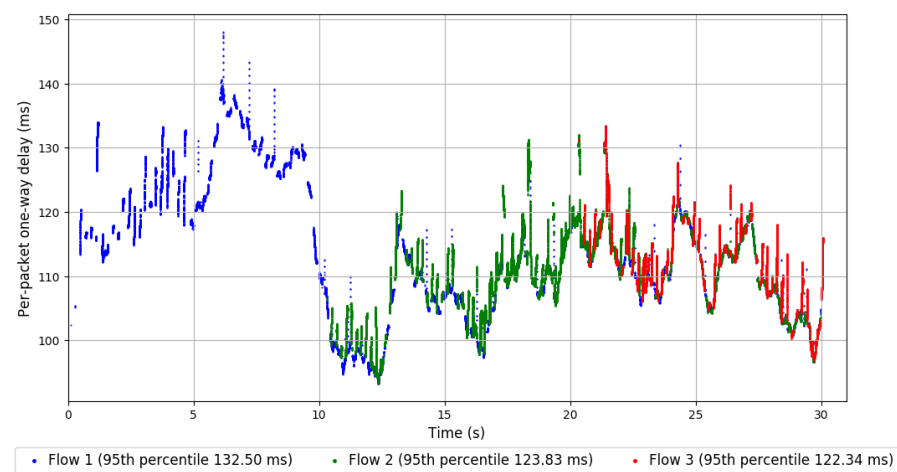
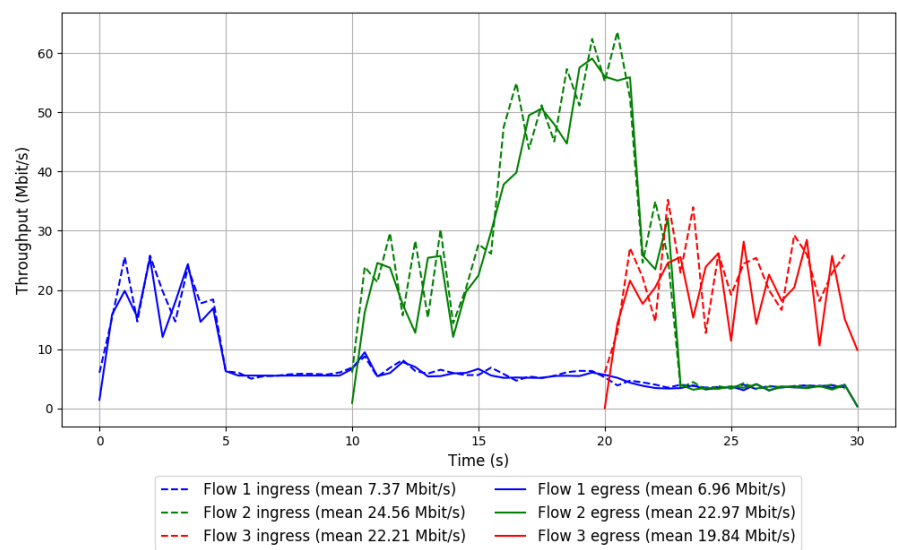


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-15 11:02:13
End at: 2018-03-15 11:02:43
Local clock offset: 6.121 ms
Remote clock offset: 44.395 ms

Below is generated by plot.py at 2018-03-15 14:35:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.83 Mbit/s
95th percentile per-packet one-way delay: 128.470 ms
Loss rate: 7.24%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 132.496 ms
Loss rate: 5.53%
-- Flow 2:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 123.828 ms
Loss rate: 6.44%
-- Flow 3:
Average throughput: 19.84 Mbit/s
95th percentile per-packet one-way delay: 122.343 ms
Loss rate: 10.71%

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

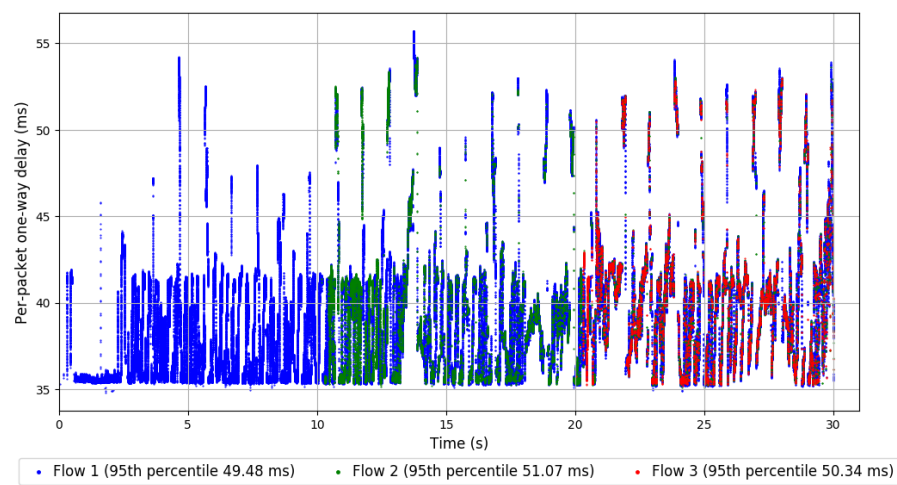
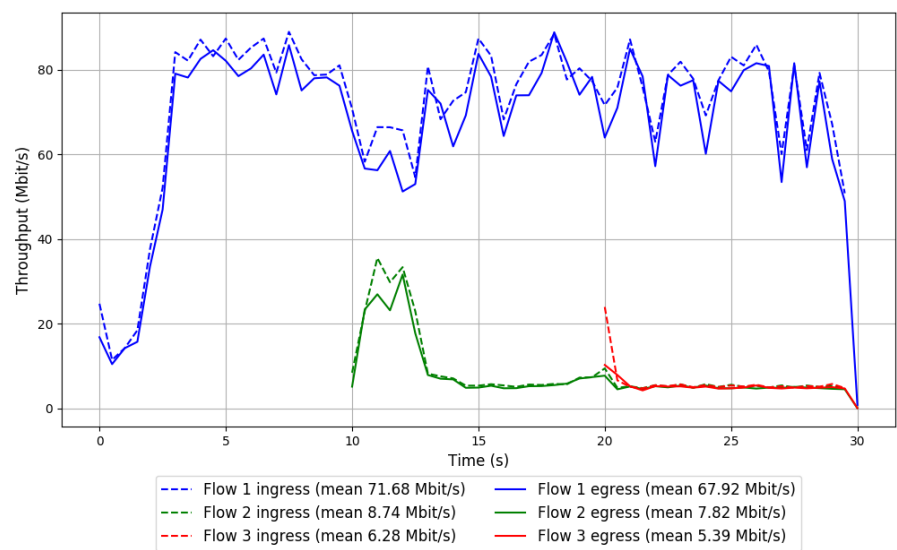


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-15 11:27:22
End at: 2018-03-15 11:27:52
Local clock offset: 9.227 ms
Remote clock offset: 52.068 ms

Below is generated by plot.py at 2018-03-15 14:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 49.733 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 67.92 Mbit/s
95th percentile per-packet one-way delay: 49.485 ms
Loss rate: 5.22%
-- Flow 2:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 51.073 ms
Loss rate: 10.55%
-- Flow 3:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 50.339 ms
Loss rate: 14.11%

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

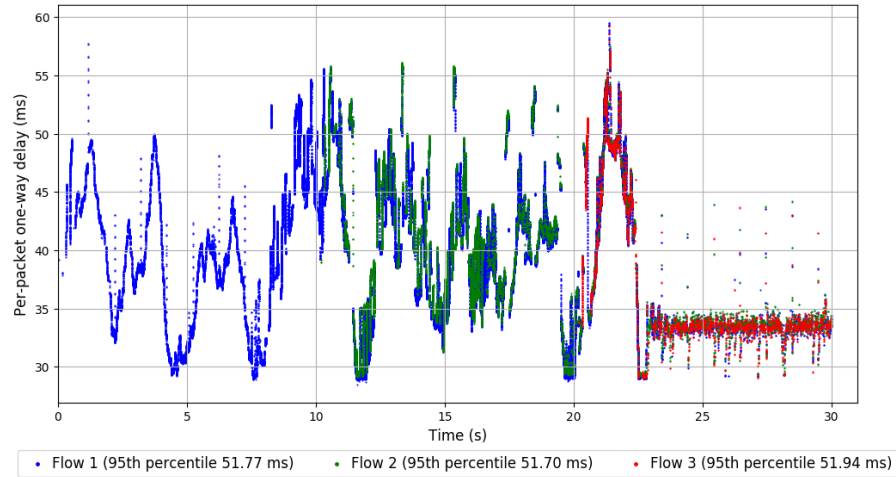
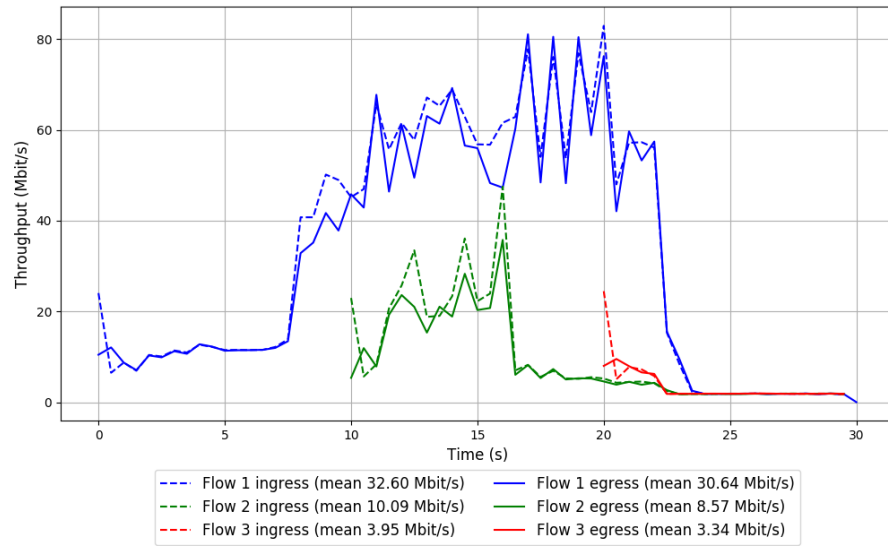


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-15 11:53:12
End at: 2018-03-15 11:53:42
Local clock offset: 1.456 ms
Remote clock offset: 45.122 ms

Below is generated by plot.py at 2018-03-15 14:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 51.766 ms
Loss rate: 7.85%
-- Flow 1:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 51.767 ms
Loss rate: 6.04%
-- Flow 2:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 51.705 ms
Loss rate: 15.18%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 51.936 ms
Loss rate: 15.25%

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

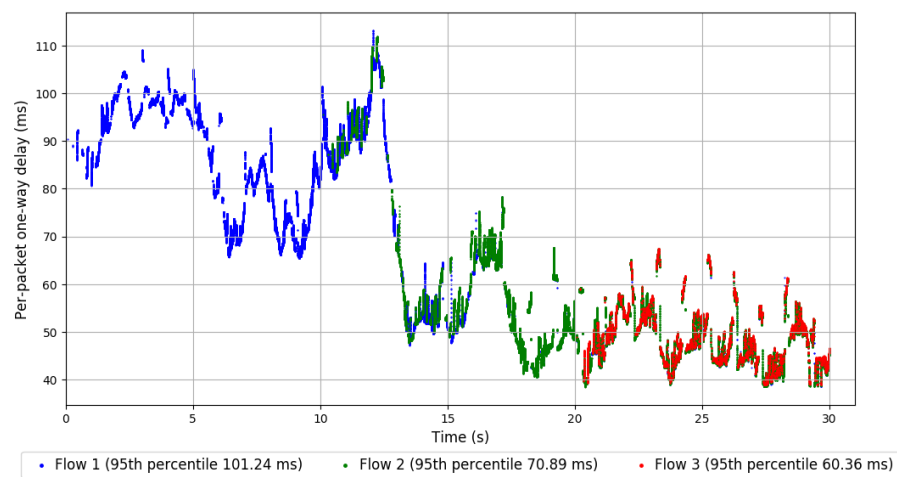
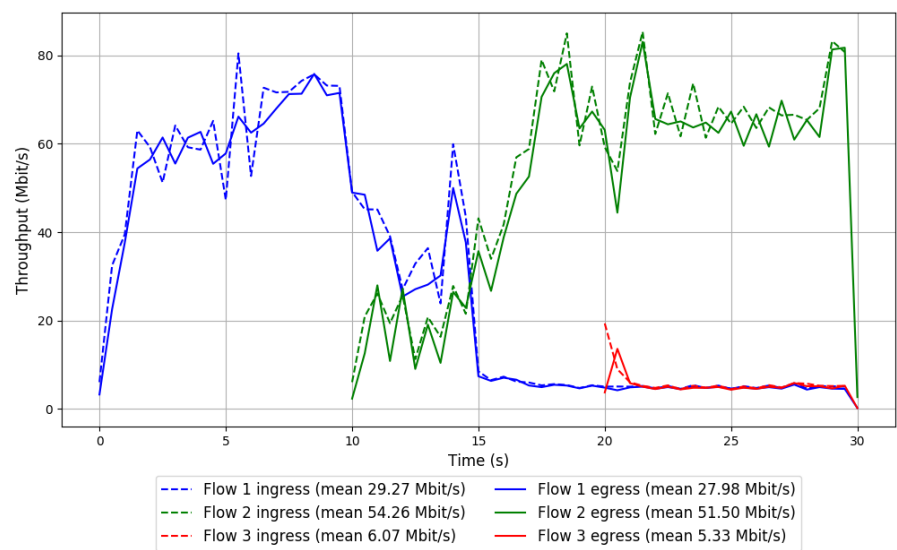


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-15 12:19:18
End at: 2018-03-15 12:19:48
Local clock offset: 3.55 ms
Remote clock offset: 52.924 ms

Below is generated by plot.py at 2018-03-15 14:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 99.375 ms
Loss rate: 5.20%
-- Flow 1:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 101.242 ms
Loss rate: 4.58%
-- Flow 2:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 70.887 ms
Loss rate: 5.31%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 60.360 ms
Loss rate: 12.31%

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

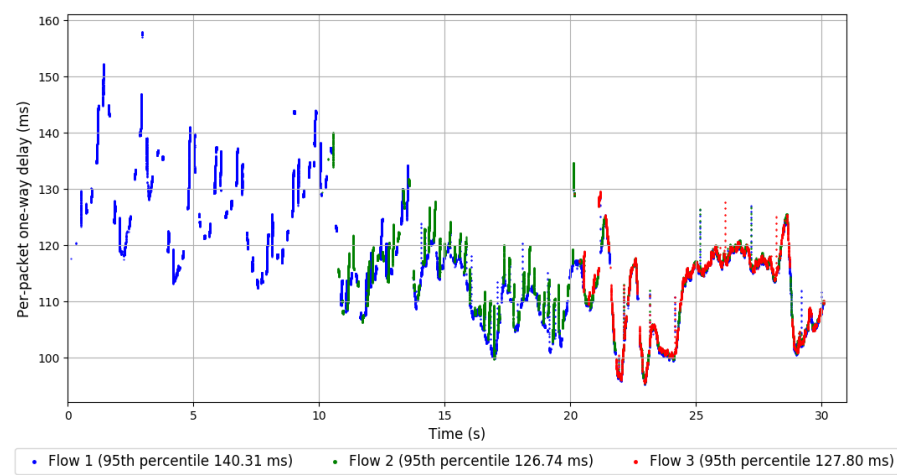
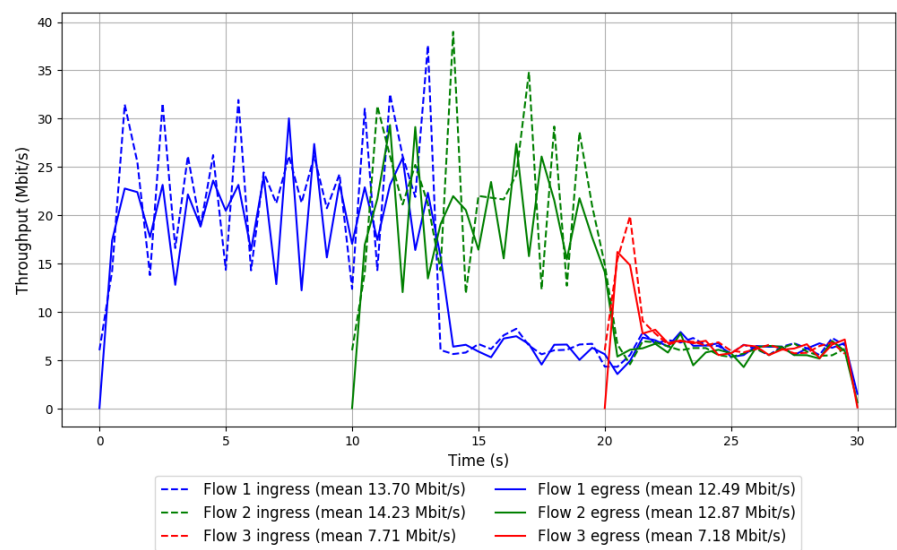


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-15 12:45:35
End at: 2018-03-15 12:46:05
Local clock offset: 4.899 ms
Remote clock offset: 74.061 ms

Below is generated by plot.py at 2018-03-15 14:35:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 136.975 ms
Loss rate: 8.96%
-- Flow 1:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 140.310 ms
Loss rate: 8.85%
-- Flow 2:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 126.744 ms
Loss rate: 9.66%
-- Flow 3:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 127.802 ms
Loss rate: 7.02%

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

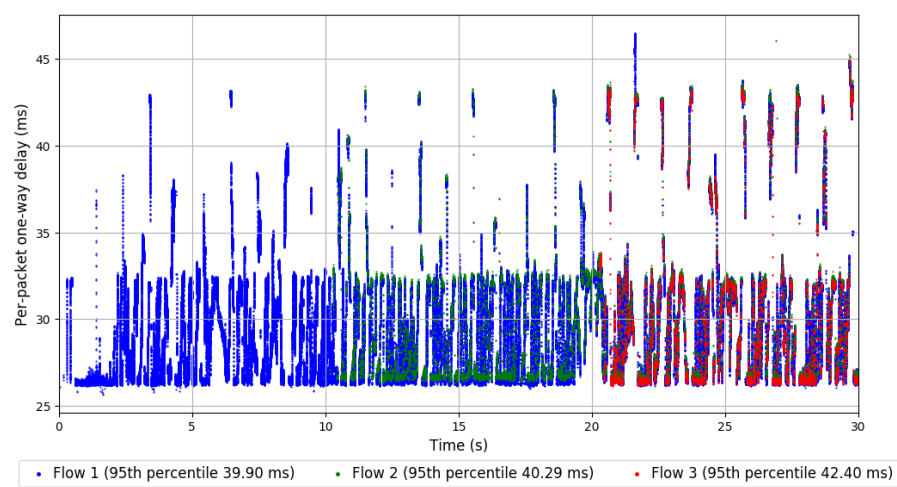
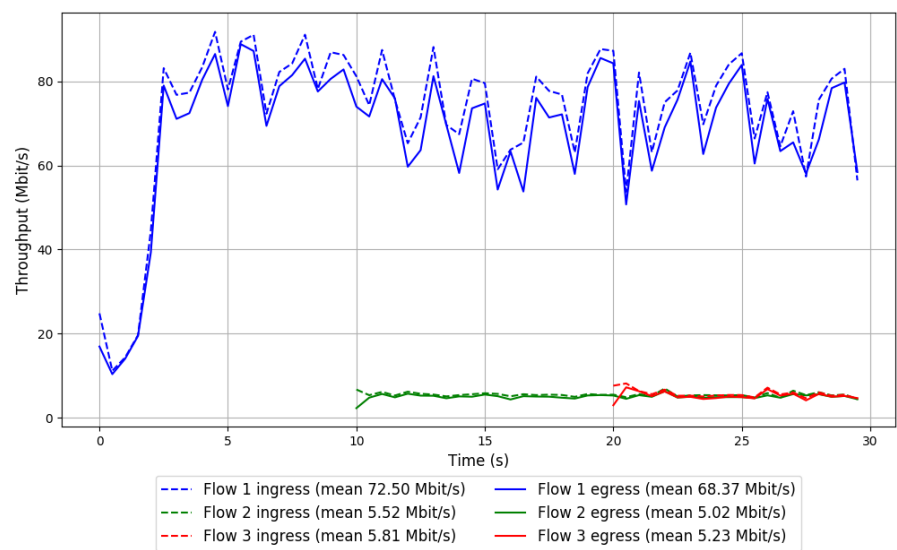


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-15 13:11:04
End at: 2018-03-15 13:11:34
Local clock offset: 5.555 ms
Remote clock offset: 40.114 ms

Below is generated by plot.py at 2018-03-15 14:35:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.44 Mbit/s
95th percentile per-packet one-way delay: 40.035 ms
Loss rate: 5.96%
-- Flow 1:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 39.904 ms
Loss rate: 5.70%
-- Flow 2:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 40.291 ms
Loss rate: 8.97%
-- Flow 3:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 42.402 ms
Loss rate: 10.08%

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

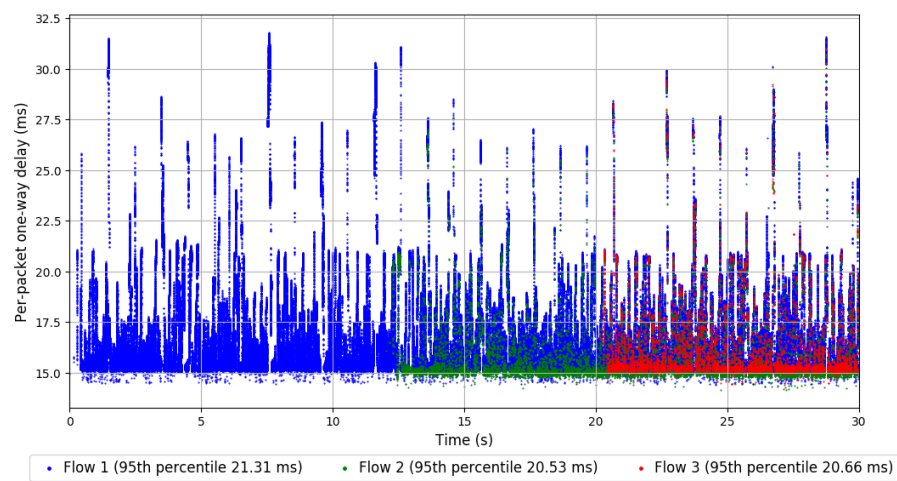
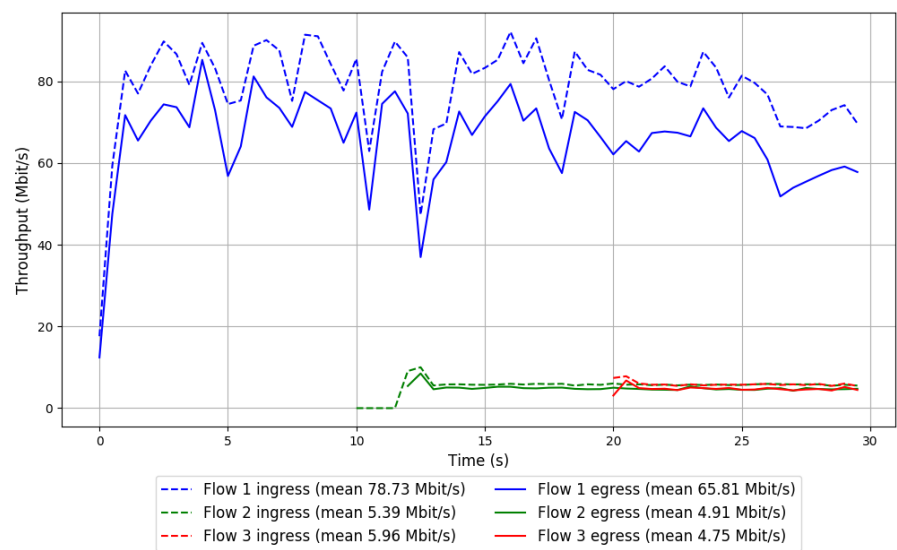


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-15 13:36:05
End at: 2018-03-15 13:36:35
Local clock offset: 2.927 ms
Remote clock offset: 30.716 ms

Below is generated by plot.py at 2018-03-15 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 21.236 ms
Loss rate: 16.56%
-- Flow 1:
Average throughput: 65.81 Mbit/s
95th percentile per-packet one-way delay: 21.311 ms
Loss rate: 16.40%
-- Flow 2:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: 20.530 ms
Loss rate: 17.97%
-- Flow 3:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 20.661 ms
Loss rate: 20.33%

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

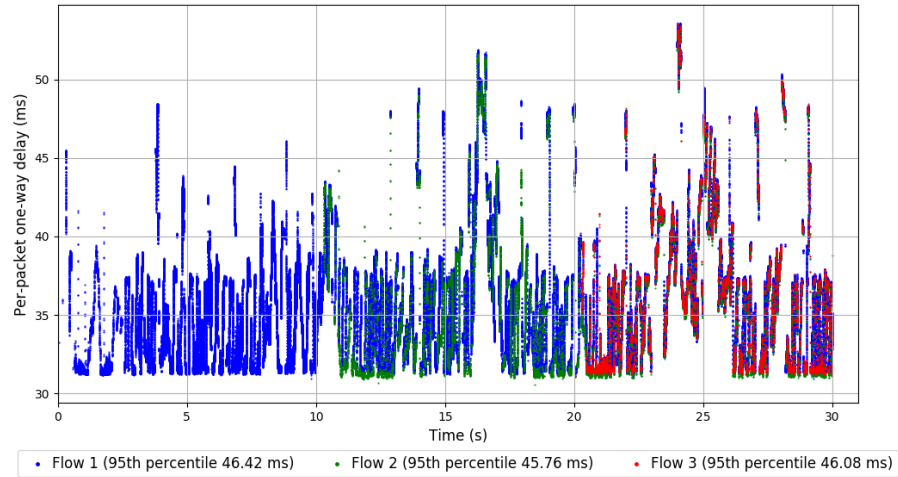
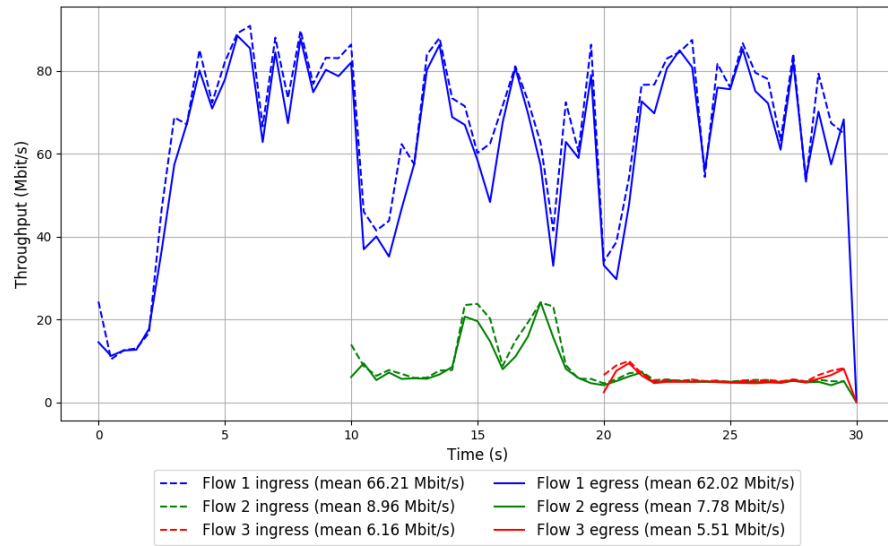


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-15 14:01:01
End at: 2018-03-15 14:01:31
Local clock offset: 3.721 ms
Remote clock offset: 49.106 ms

Below is generated by plot.py at 2018-03-15 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 46.364 ms
Loss rate: 6.97%
-- Flow 1:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 46.422 ms
Loss rate: 6.30%
-- Flow 2:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 45.760 ms
Loss rate: 13.16%
-- Flow 3:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 46.080 ms
Loss rate: 10.52%

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

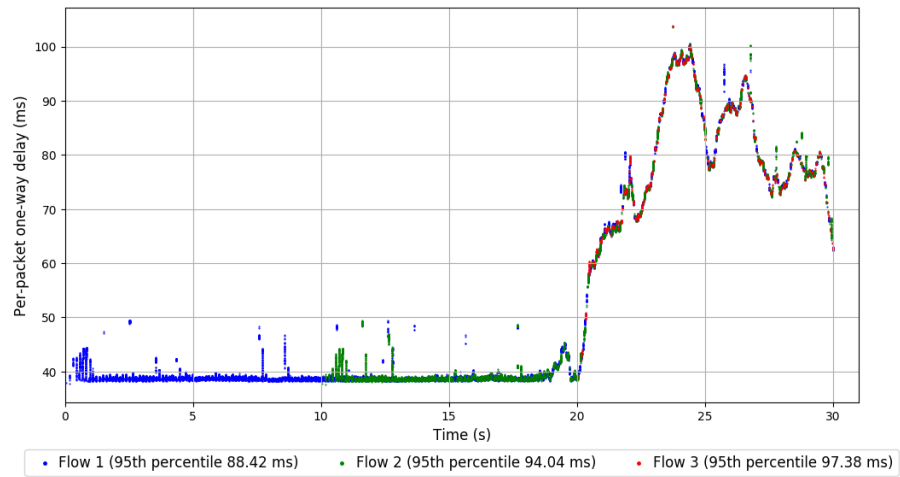
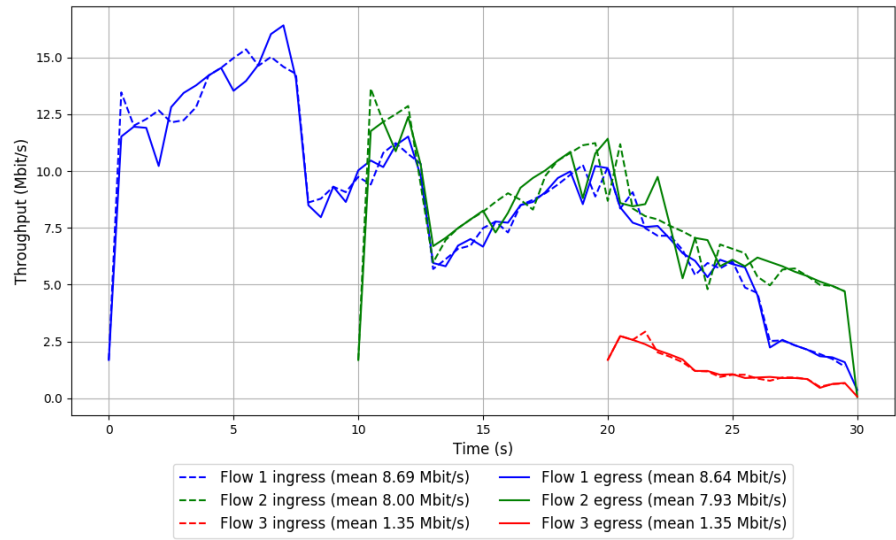


Run 1: Statistics of TCP Vegas

Start at: 2018-03-15 09:44:49
End at: 2018-03-15 09:45:19
Local clock offset: 3.763 ms
Remote clock offset: 32.679 ms

Below is generated by plot.py at 2018-03-15 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.37 Mbit/s
95th percentile per-packet one-way delay: 90.676 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 88.425 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 94.037 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 97.382 ms
Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link

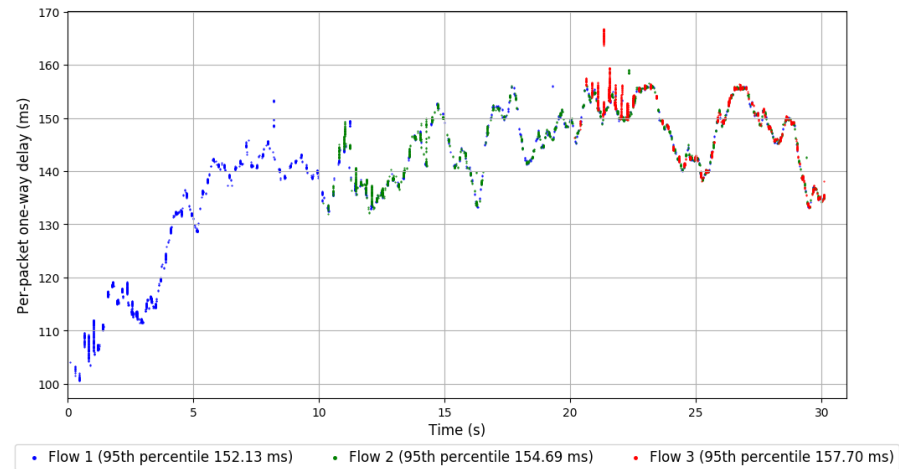
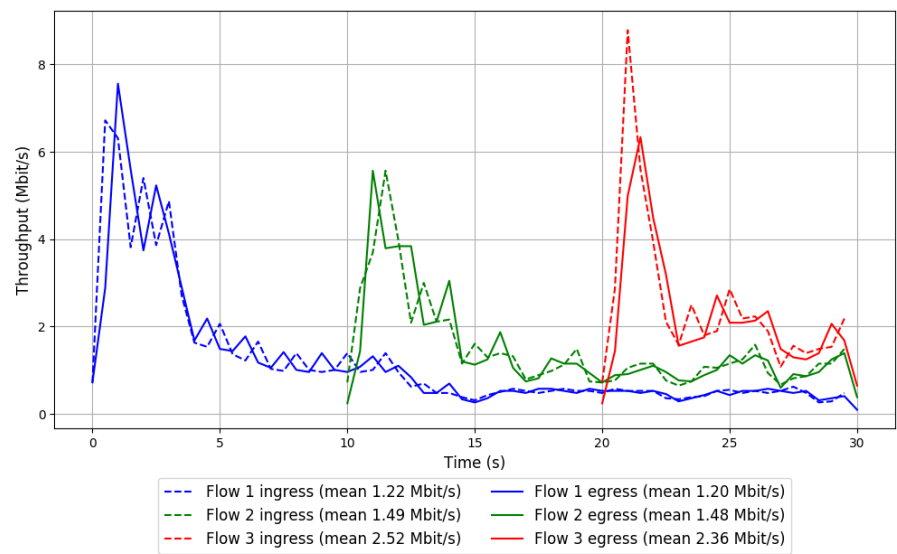


Run 2: Statistics of TCP Vegas

Start at: 2018-03-15 10:12:32
End at: 2018-03-15 10:13:02
Local clock offset: -0.549 ms
Remote clock offset: 53.802 ms

Below is generated by plot.py at 2018-03-15 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 155.697 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 152.135 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 154.690 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 157.703 ms
Loss rate: 6.70%

Run 2: Report of TCP Vegas — Data Link

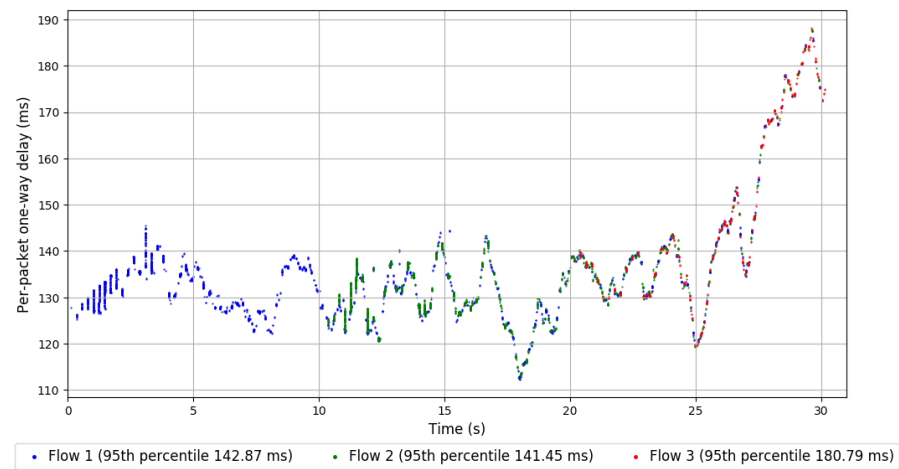
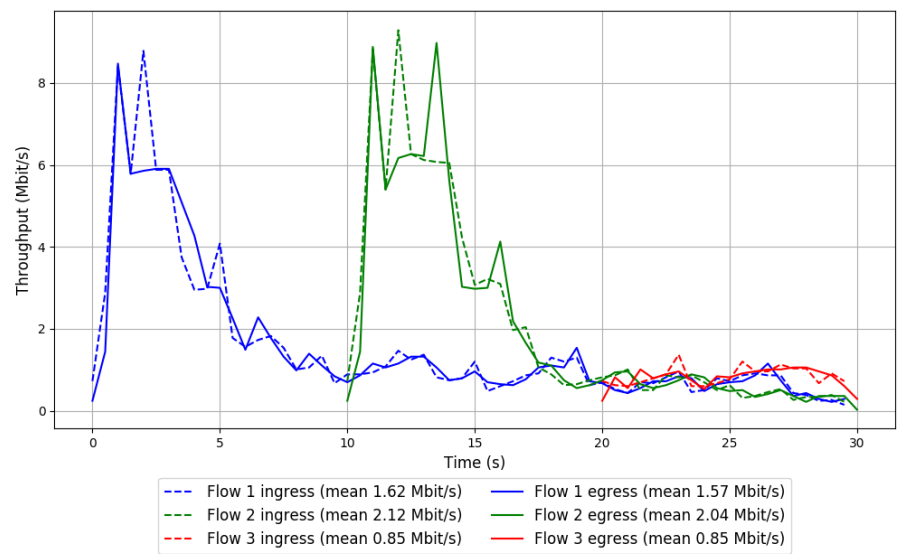


Run 3: Statistics of TCP Vegas

Start at: 2018-03-15 10:39:27
End at: 2018-03-15 10:39:57
Local clock offset: 5.35 ms
Remote clock offset: 40.064 ms

Below is generated by plot.py at 2018-03-15 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 148.639 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 142.873 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 141.446 ms
Loss rate: 3.21%
-- Flow 3:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 180.788 ms
Loss rate: 0.28%

Run 3: Report of TCP Vegas — Data Link

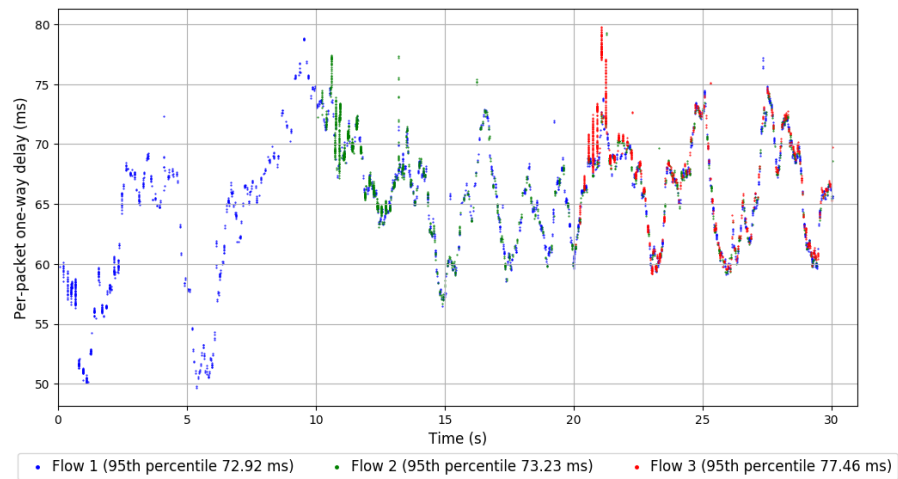
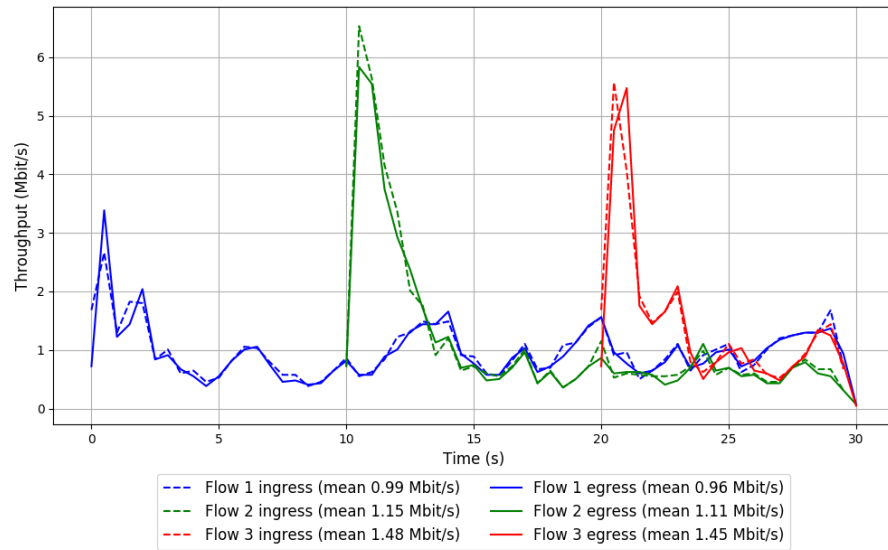


Run 4: Statistics of TCP Vegas

Start at: 2018-03-15 11:06:13
End at: 2018-03-15 11:06:43
Local clock offset: 6.999 ms
Remote clock offset: 34.759 ms

Below is generated by plot.py at 2018-03-15 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 73.592 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 72.925 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 73.227 ms
Loss rate: 3.76%
-- Flow 3:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 77.457 ms
Loss rate: 1.80%

Run 4: Report of TCP Vegas — Data Link

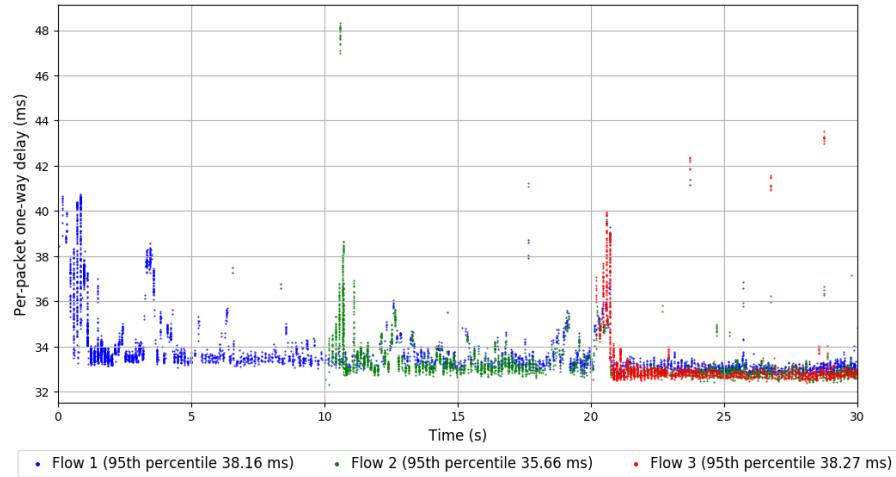
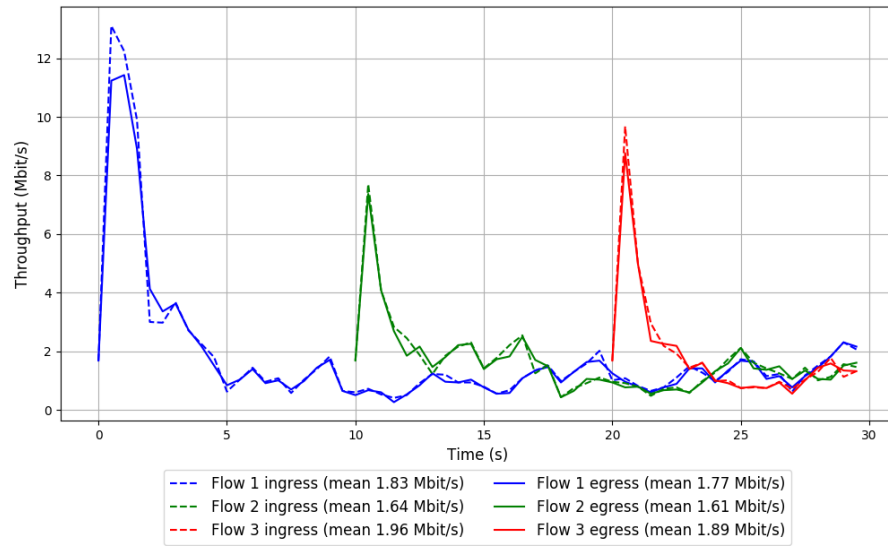


Run 5: Statistics of TCP Vegas

Start at: 2018-03-15 11:31:21
End at: 2018-03-15 11:31:51
Local clock offset: 9.763 ms
Remote clock offset: 52.925 ms

Below is generated by plot.py at 2018-03-15 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 37.719 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 38.159 ms
Loss rate: 3.27%
-- Flow 2:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 35.656 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 38.266 ms
Loss rate: 3.39%

Run 5: Report of TCP Vegas — Data Link

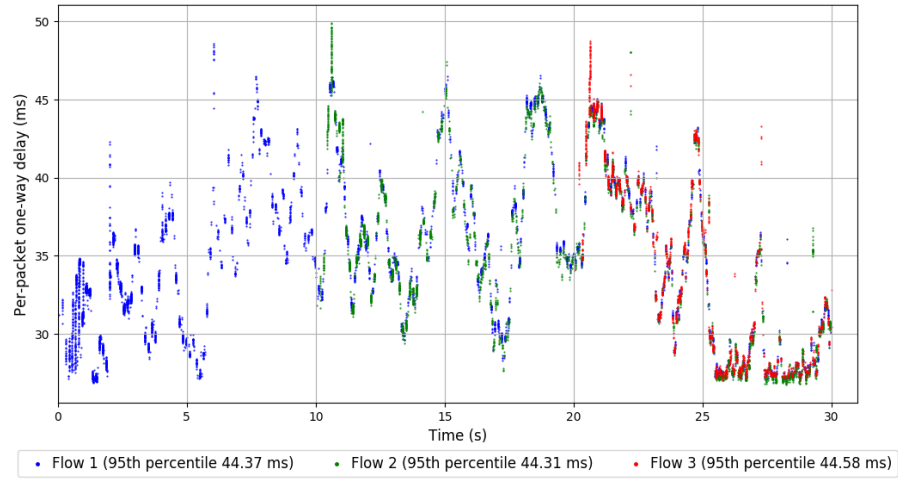
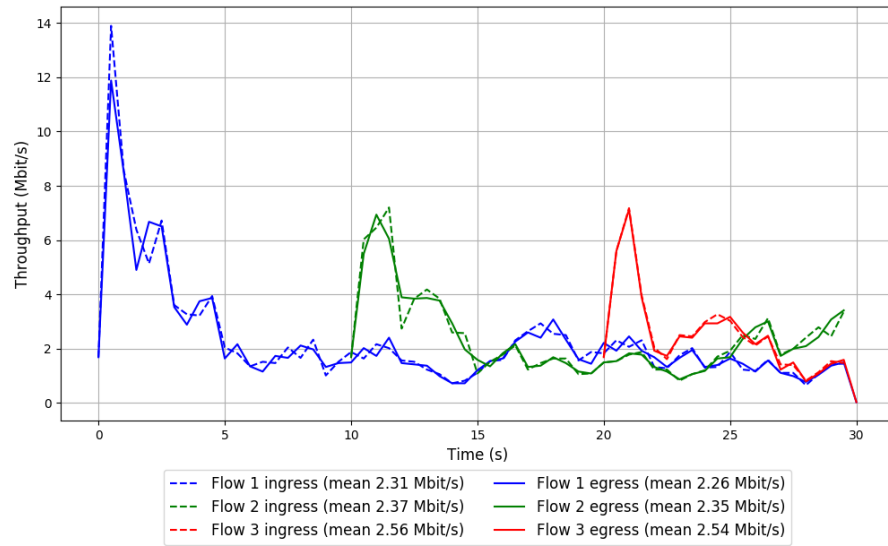


Run 6: Statistics of TCP Vegas

Start at: 2018-03-15 11:57:30
End at: 2018-03-15 11:58:00
Local clock offset: 1.273 ms
Remote clock offset: 41.539 ms

```
# Below is generated by plot.py at 2018-03-15 14:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 44.460 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 44.366 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 44.315 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 44.577 ms
Loss rate: 0.66%
```

Run 6: Report of TCP Vegas — Data Link

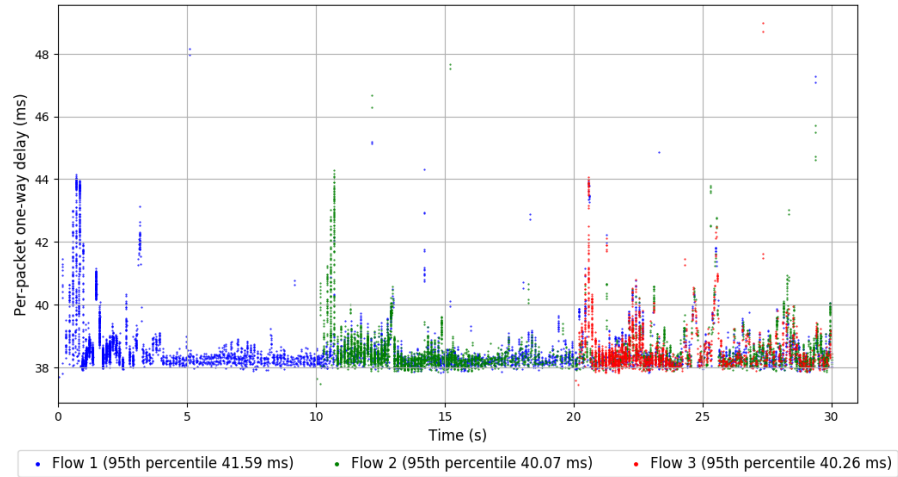
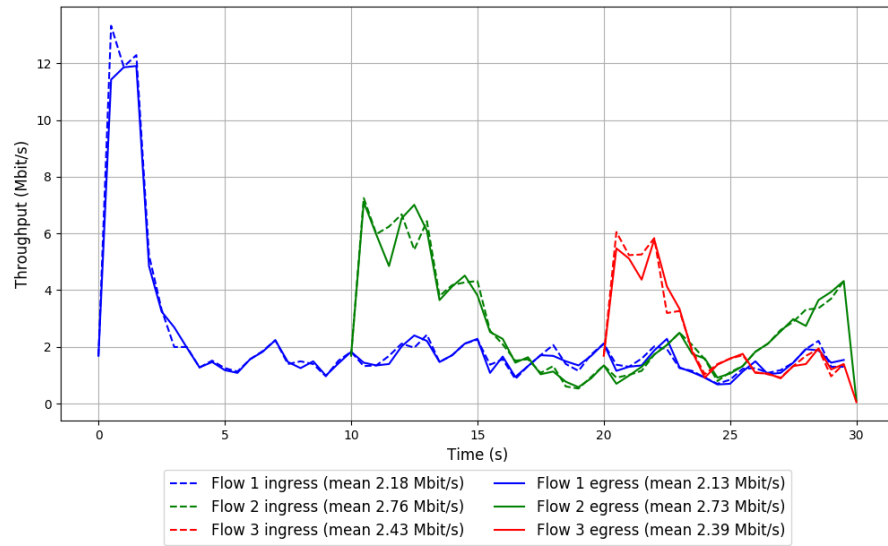


Run 7: Statistics of TCP Vegas

Start at: 2018-03-15 12:23:14
End at: 2018-03-15 12:23:44
Local clock offset: 3.859 ms
Remote clock offset: 53.208 ms

```
# Below is generated by plot.py at 2018-03-15 14:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 40.721 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 41.590 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 40.066 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 40.256 ms
Loss rate: 1.59%
```


Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-03-15 12:49:45

End at: 2018-03-15 12:50:15

Local clock offset: 4.908 ms

Remote clock offset: 66.07 ms

Below is generated by plot.py at 2018-03-15 14:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 115.960 ms

Loss rate: 2.71%

-- Flow 1:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 95.537 ms

Loss rate: 2.73%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 114.915 ms

Loss rate: 3.62%

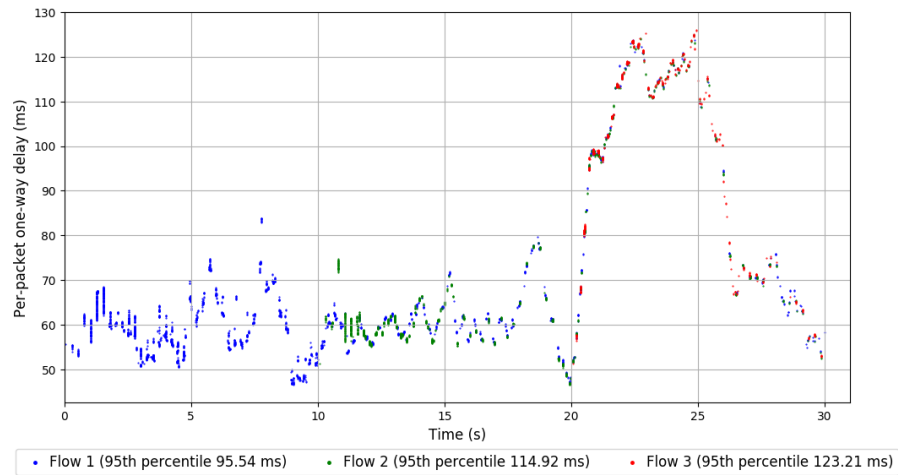
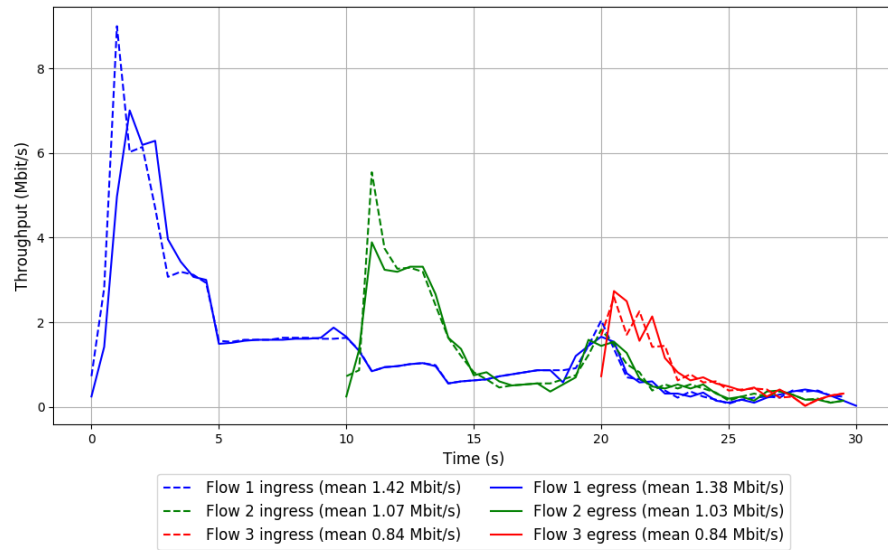
-- Flow 3:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 123.210 ms

Loss rate: 0.29%

Run 8: Report of TCP Vegas — Data Link

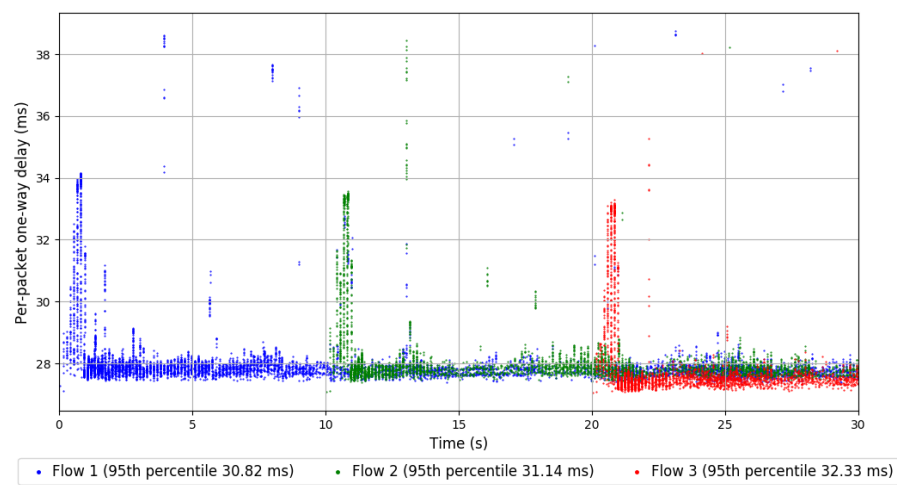
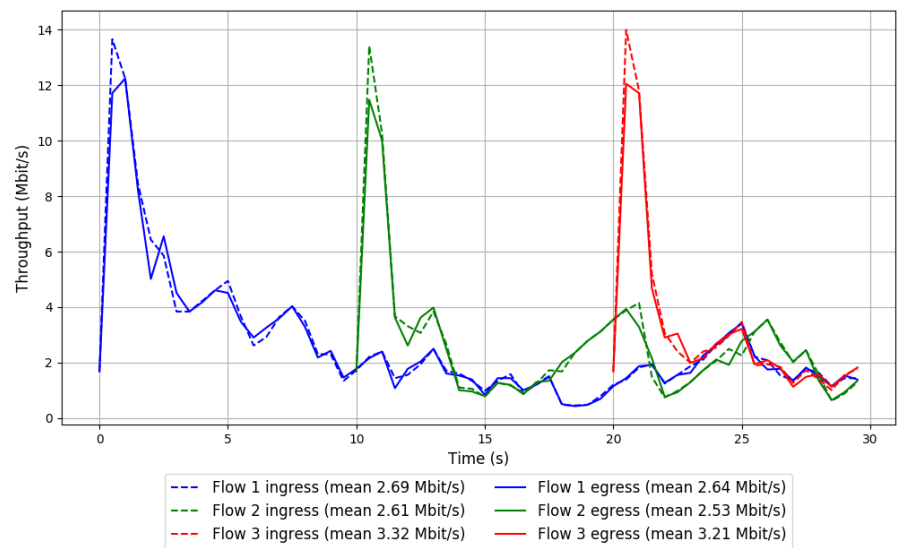


Run 9: Statistics of TCP Vegas

Start at: 2018-03-15 13:14:57
End at: 2018-03-15 13:15:27
Local clock offset: 5.37 ms
Remote clock offset: 41.357 ms

Below is generated by plot.py at 2018-03-15 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 31.332 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 30.822 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 31.141 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 32.330 ms
Loss rate: 3.49%

Run 9: Report of TCP Vegas — Data Link

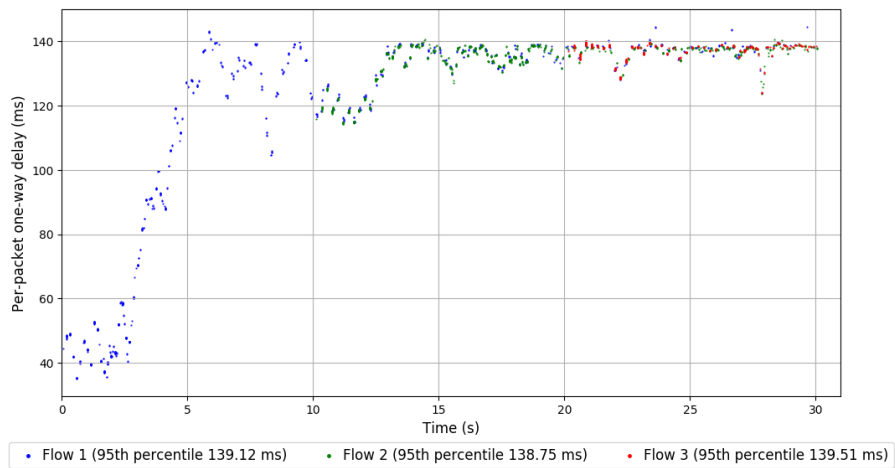
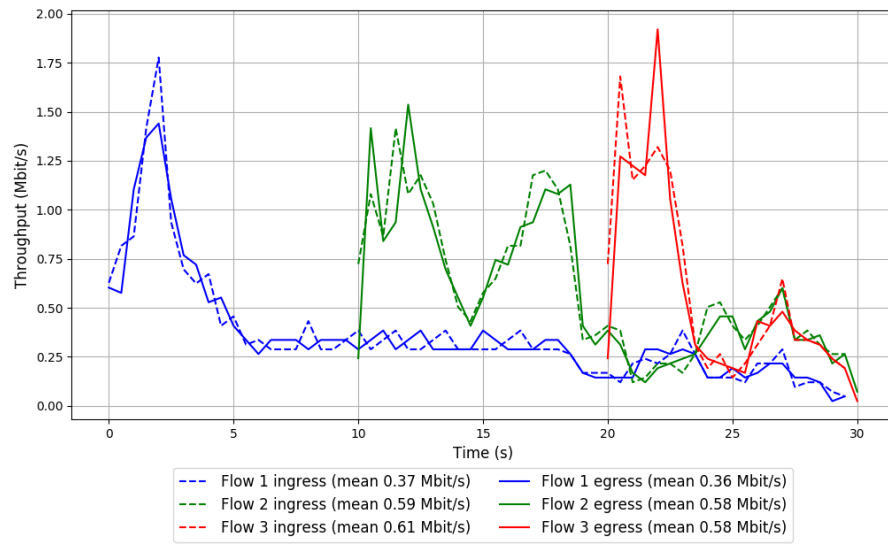


Run 10: Statistics of TCP Vegas

Start at: 2018-03-15 13:40:11
End at: 2018-03-15 13:40:41
Local clock offset: 2.873 ms
Remote clock offset: 51.081 ms

Below is generated by plot.py at 2018-03-15 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 139.031 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 139.115 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 138.755 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 139.507 ms
Loss rate: 4.79%

Run 10: Report of TCP Vegas — Data Link

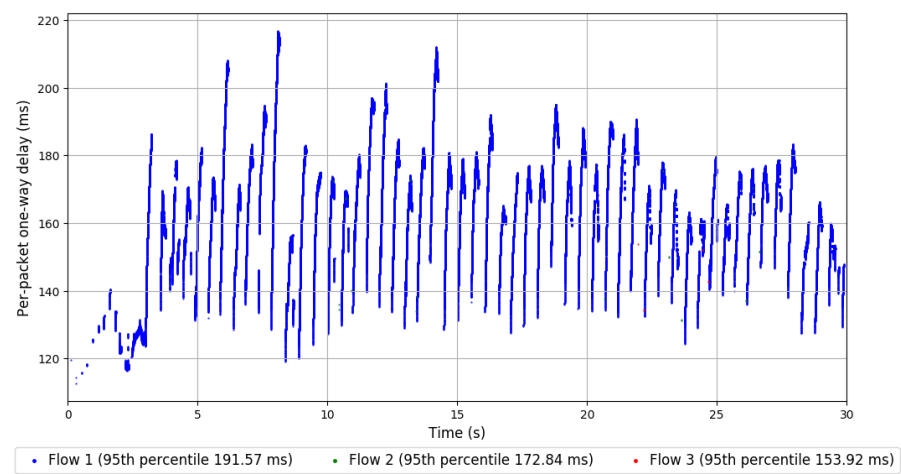
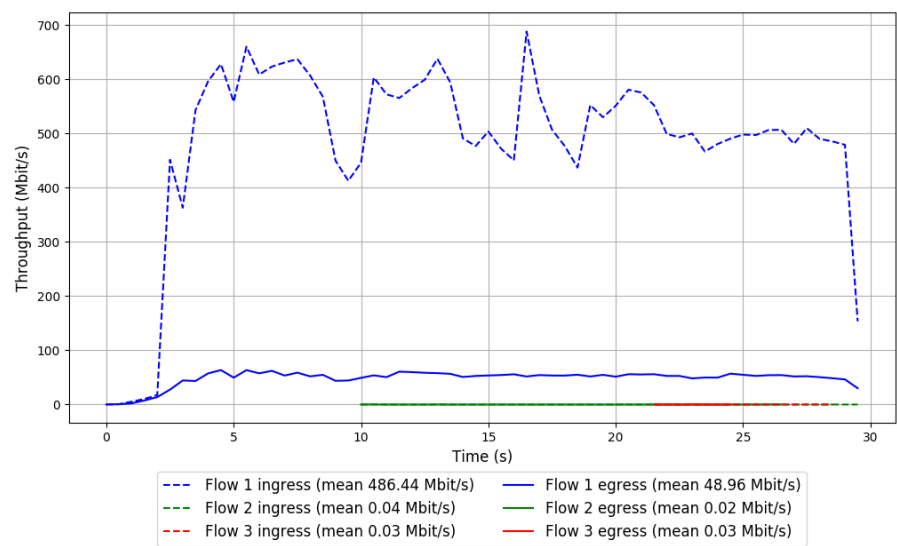


Run 1: Statistics of Verus

Start at: 2018-03-15 10:01:11
End at: 2018-03-15 10:01:41
Local clock offset: 0.823 ms
Remote clock offset: 30.317 ms

Below is generated by plot.py at 2018-03-15 14:37:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 191.565 ms
Loss rate: 89.92%
-- Flow 1:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 191.567 ms
Loss rate: 89.93%
-- Flow 2:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 172.836 ms
Loss rate: 62.30%
-- Flow 3:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 153.918 ms
Loss rate: 68.42%

Run 1: Report of Verus — Data Link

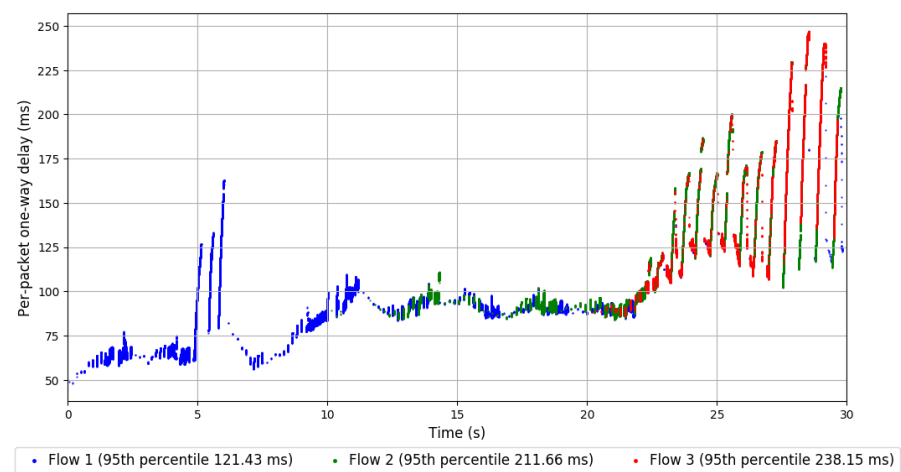
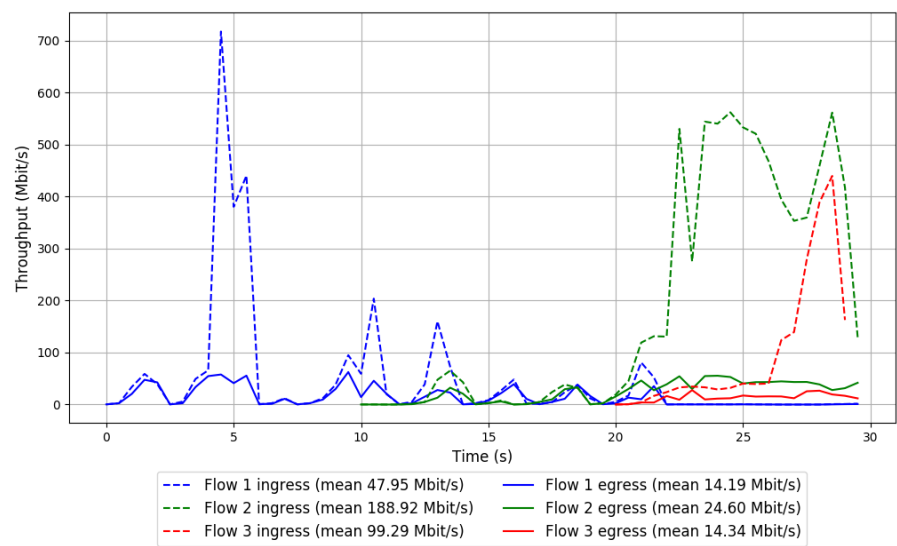


Run 2: Statistics of Verus

Start at: 2018-03-15 10:28:34
End at: 2018-03-15 10:29:04
Local clock offset: 1.372 ms
Remote clock offset: 38.573 ms

Below is generated by plot.py at 2018-03-15 14:37:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 205.380 ms
Loss rate: 82.76%
-- Flow 1:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 121.426 ms
Loss rate: 70.34%
-- Flow 2:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 211.664 ms
Loss rate: 86.89%
-- Flow 3:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 238.148 ms
Loss rate: 85.40%

Run 2: Report of Verus — Data Link

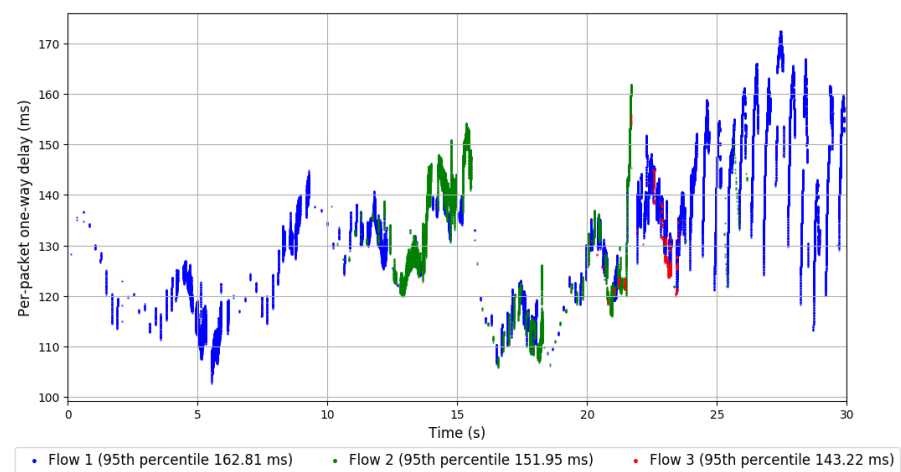
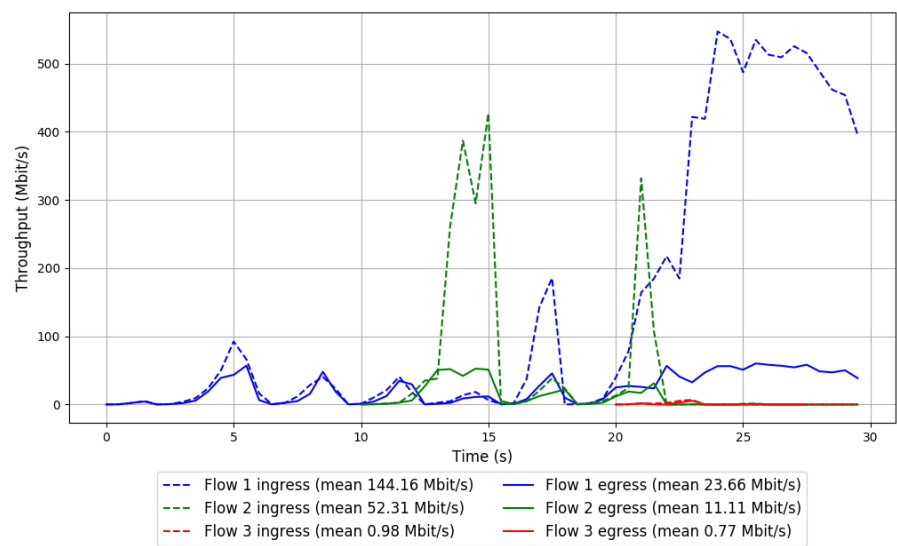


Run 3: Statistics of Verus

Start at: 2018-03-15 10:56:46
End at: 2018-03-15 10:57:16
Local clock offset: 3.871 ms
Remote clock offset: 35.993 ms

```
# Below is generated by plot.py at 2018-03-15 14:37:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 160.861 ms
Loss rate: 82.57%
-- Flow 1:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 162.809 ms
Loss rate: 83.57%
-- Flow 2:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 151.948 ms
Loss rate: 78.78%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 143.220 ms
Loss rate: 39.32%
```

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-03-15 11:21:48

End at: 2018-03-15 11:22:18

Local clock offset: 9.358 ms

Remote clock offset: 46.06 ms

Below is generated by plot.py at 2018-03-15 14:37:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 59.407 ms

Loss rate: 88.94%

-- Flow 1:

Average throughput: 44.92 Mbit/s

95th percentile per-packet one-way delay: 59.556 ms

Loss rate: 89.16%

-- Flow 2:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 41.502 ms

Loss rate: 38.58%

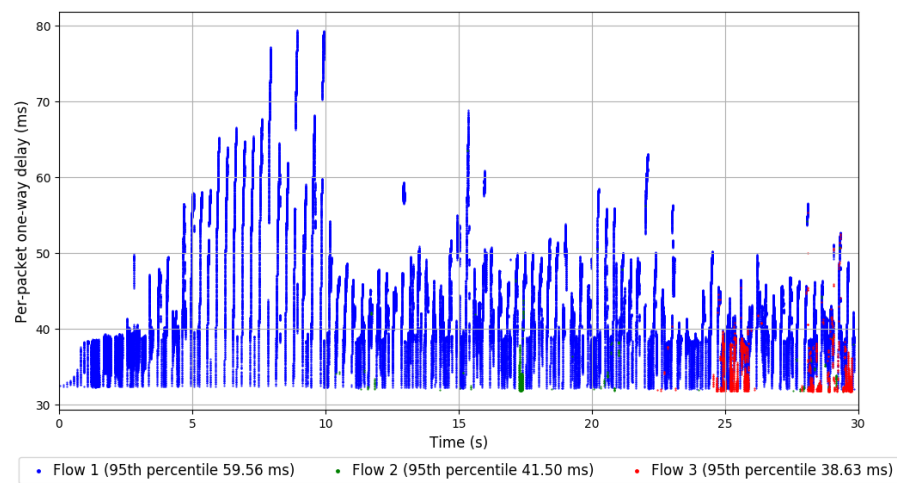
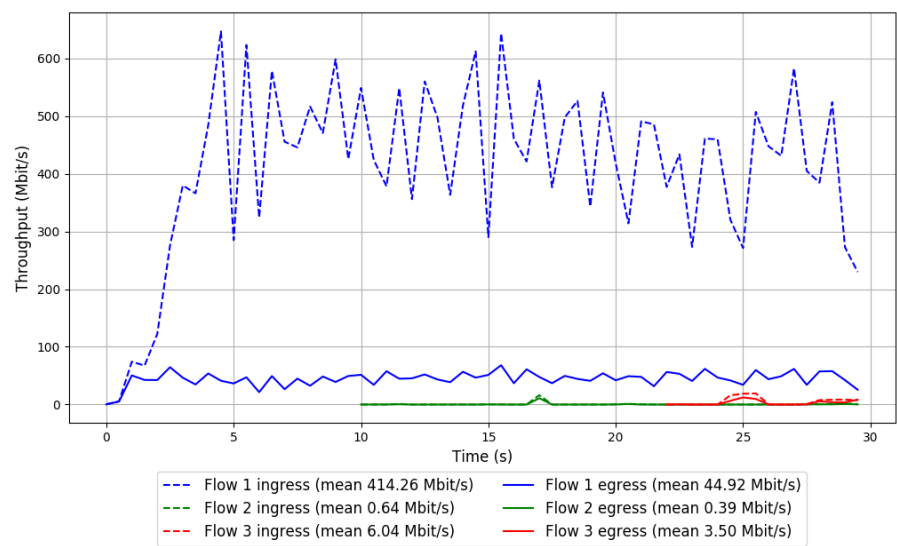
-- Flow 3:

Average throughput: 3.50 Mbit/s

95th percentile per-packet one-way delay: 38.628 ms

Loss rate: 41.91%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-03-15 11:47:37

End at: 2018-03-15 11:48:07

Local clock offset: 2.5 ms

Remote clock offset: 43.83 ms

Below is generated by plot.py at 2018-03-15 14:37:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: 219.291 ms

Loss rate: 77.30%

-- Flow 1:

Average throughput: 16.74 Mbit/s

95th percentile per-packet one-way delay: 224.324 ms

Loss rate: 77.60%

-- Flow 2:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 199.963 ms

Loss rate: 78.85%

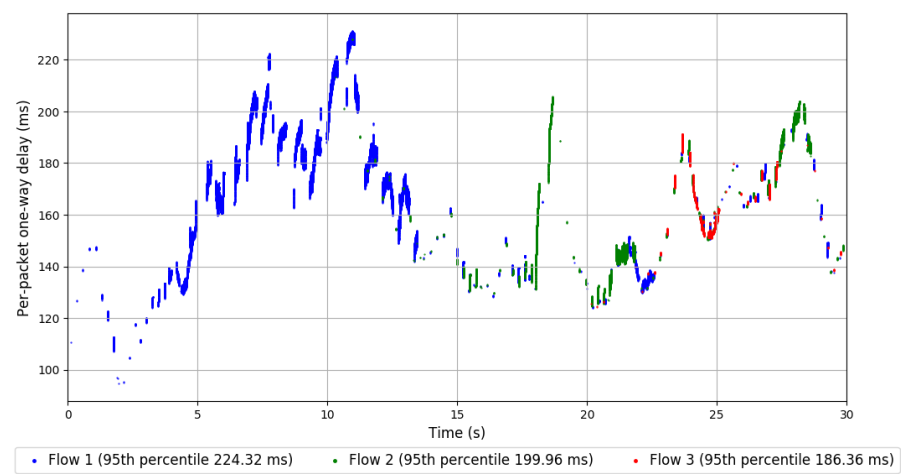
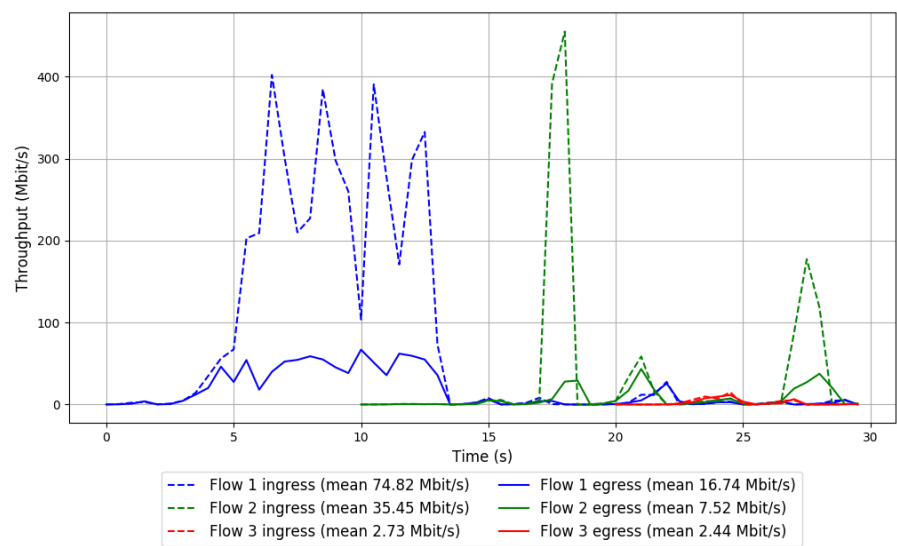
-- Flow 3:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 186.359 ms

Loss rate: 10.61%

Run 5: Report of Verus — Data Link

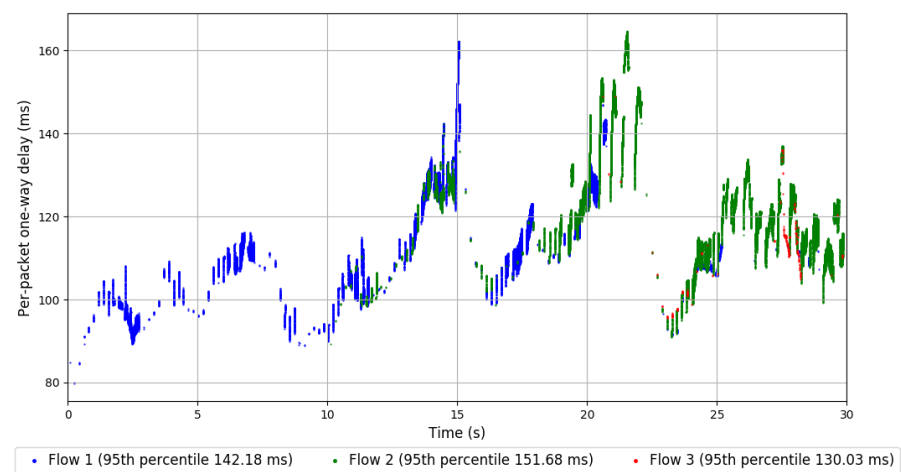
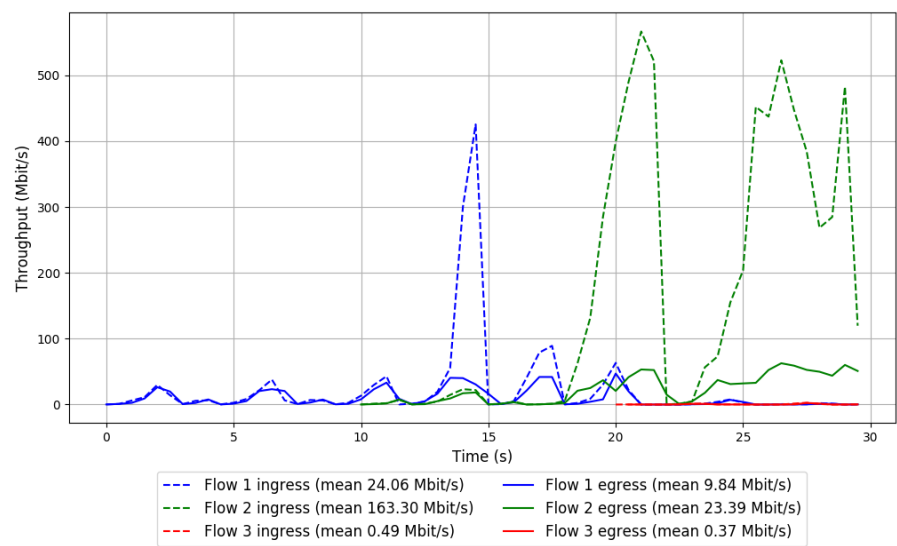


Run 6: Statistics of Verus

Start at: 2018-03-15 12:13:39
End at: 2018-03-15 12:14:09
Local clock offset: 2.392 ms
Remote clock offset: 48.699 ms

Below is generated by plot.py at 2018-03-15 14:37:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 150.188 ms
Loss rate: 80.77%
-- Flow 1:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 142.184 ms
Loss rate: 59.07%
-- Flow 2:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 151.676 ms
Loss rate: 85.66%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 130.027 ms
Loss rate: 24.35%

Run 6: Report of Verus — Data Link

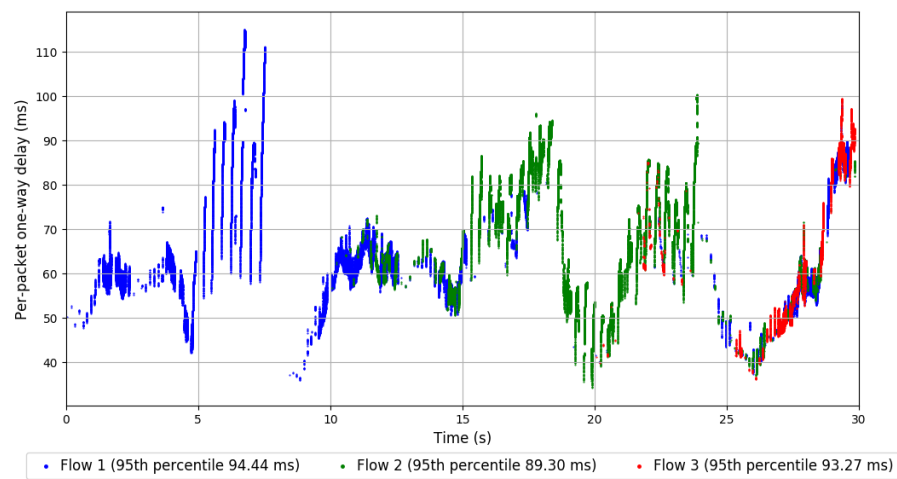
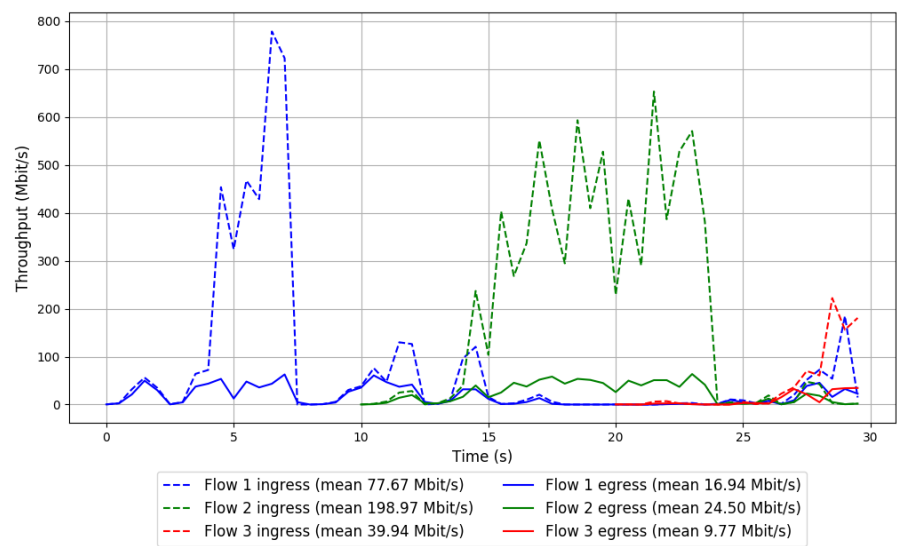


Run 7: Statistics of Verus

Start at: 2018-03-15 12:38:39
End at: 2018-03-15 12:39:09
Local clock offset: 4.574 ms
Remote clock offset: 50.856 ms

Below is generated by plot.py at 2018-03-15 14:37:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 91.520 ms
Loss rate: 83.64%
-- Flow 1:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 94.437 ms
Loss rate: 78.15%
-- Flow 2:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 89.303 ms
Loss rate: 87.67%
-- Flow 3:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 93.269 ms
Loss rate: 75.42%

Run 7: Report of Verus — Data Link

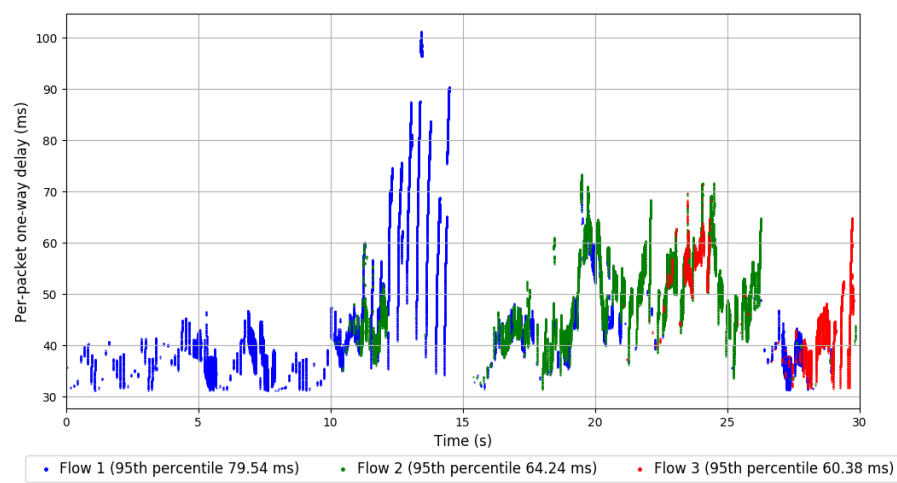
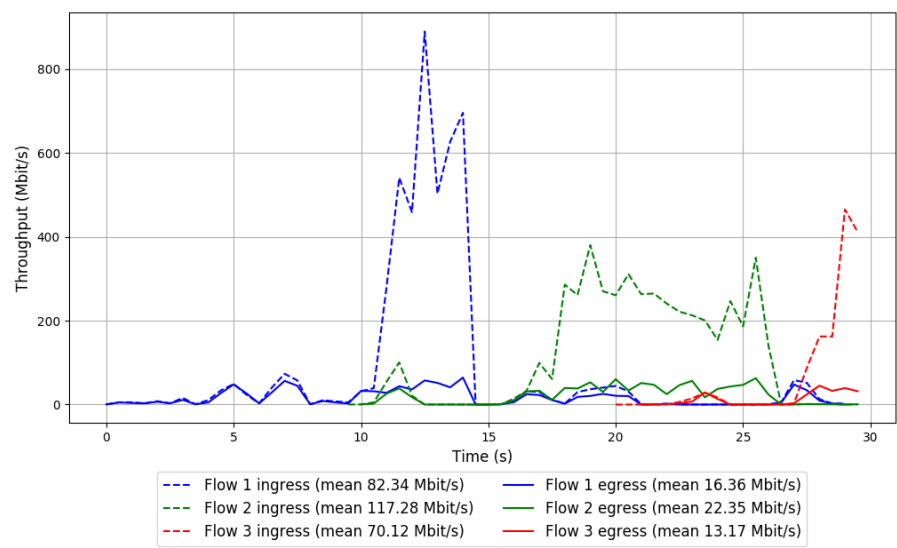


Run 8: Statistics of Verus

Start at: 2018-03-15 13:05:29
End at: 2018-03-15 13:05:59
Local clock offset: 5.733 ms
Remote clock offset: 46.172 ms

```
# Below is generated by plot.py at 2018-03-15 14:37:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 71.051 ms
Loss rate: 80.95%
-- Flow 1:
Average throughput: 16.36 Mbit/s
95th percentile per-packet one-way delay: 79.537 ms
Loss rate: 80.33%
-- Flow 2:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 64.238 ms
Loss rate: 80.94%
-- Flow 3:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 60.375 ms
Loss rate: 83.15%
```

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-03-15 13:30:28

End at: 2018-03-15 13:30:58

Local clock offset: 3.313 ms

Remote clock offset: 44.77 ms

Below is generated by plot.py at 2018-03-15 14:37:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.13 Mbit/s

95th percentile per-packet one-way delay: 66.872 ms

Loss rate: 79.16%

-- Flow 1:

Average throughput: 21.09 Mbit/s

95th percentile per-packet one-way delay: 42.392 ms

Loss rate: 66.36%

-- Flow 2:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 78.681 ms

Loss rate: 83.97%

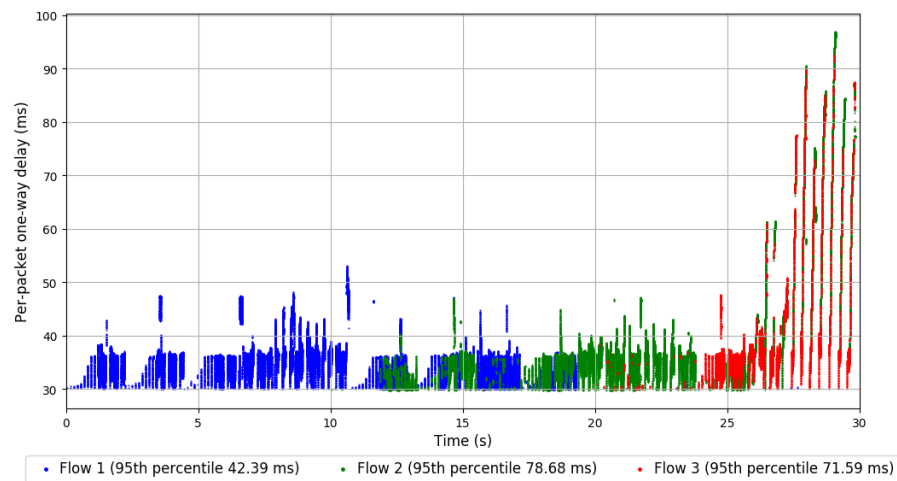
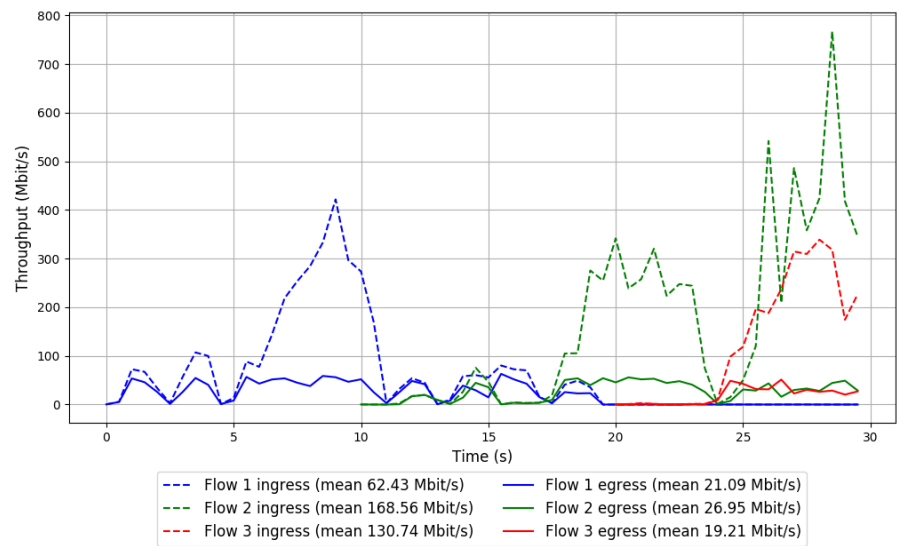
-- Flow 3:

Average throughput: 19.21 Mbit/s

95th percentile per-packet one-way delay: 71.593 ms

Loss rate: 85.23%

Run 9: Report of Verus — Data Link

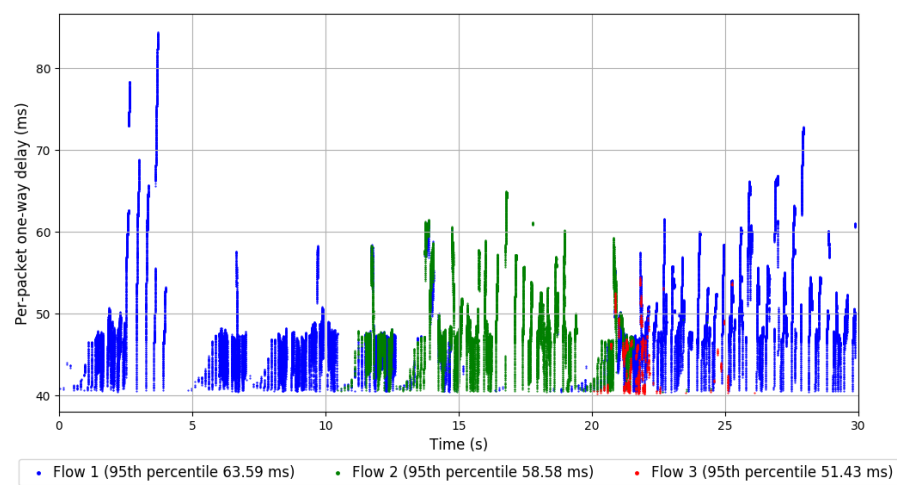
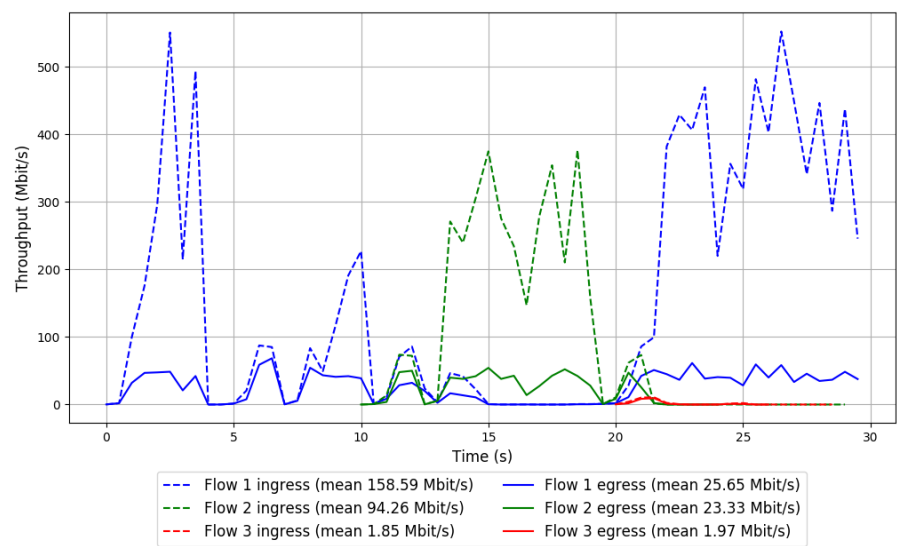


Run 10: Statistics of Verus

Start at: 2018-03-15 13:55:44
End at: 2018-03-15 13:56:14
Local clock offset: 0.509 ms
Remote clock offset: 55.091 ms

Below is generated by plot.py at 2018-03-15 14:37:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 61.530 ms
Loss rate: 83.06%
-- Flow 1:
Average throughput: 25.65 Mbit/s
95th percentile per-packet one-way delay: 63.588 ms
Loss rate: 83.82%
-- Flow 2:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 58.582 ms
Loss rate: 81.54%
-- Flow 3:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 51.429 ms
Loss rate: 27.00%

Run 10: Report of Verus — Data Link

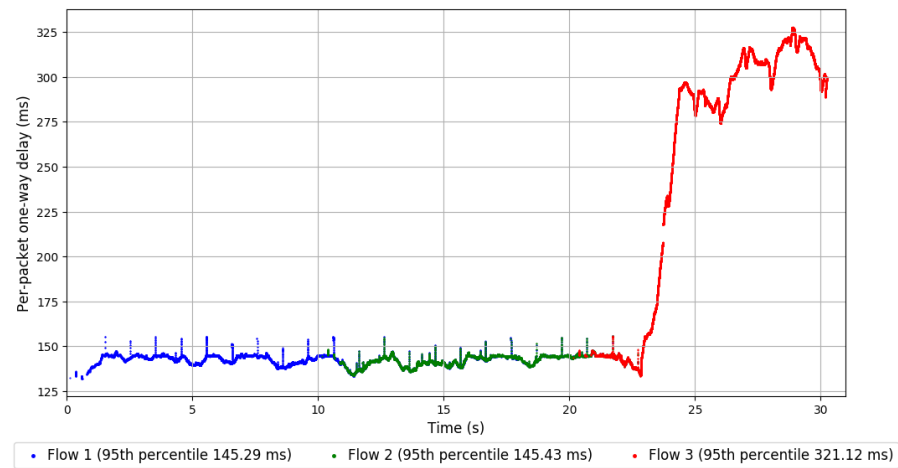
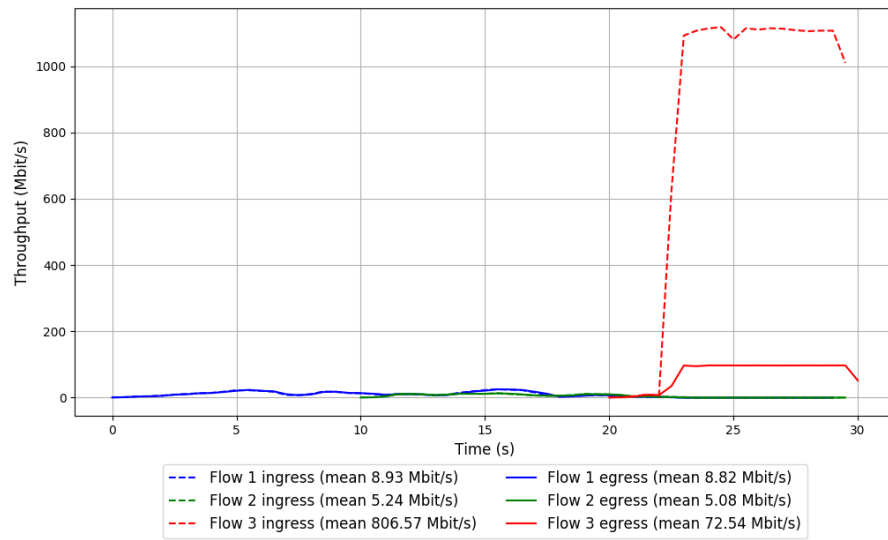


Run 1: Statistics of Copa

Start at: 2018-03-15 10:04:13
End at: 2018-03-15 10:04:43
Local clock offset: 0.442 ms
Remote clock offset: 36.054 ms

Below is generated by plot.py at 2018-03-15 14:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 319.913 ms
Loss rate: 86.99%
-- Flow 1:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 145.287 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 5.08 Mbit/s
95th percentile per-packet one-way delay: 145.434 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 72.54 Mbit/s
95th percentile per-packet one-way delay: 321.123 ms
Loss rate: 90.87%

Run 1: Report of Copa — Data Link

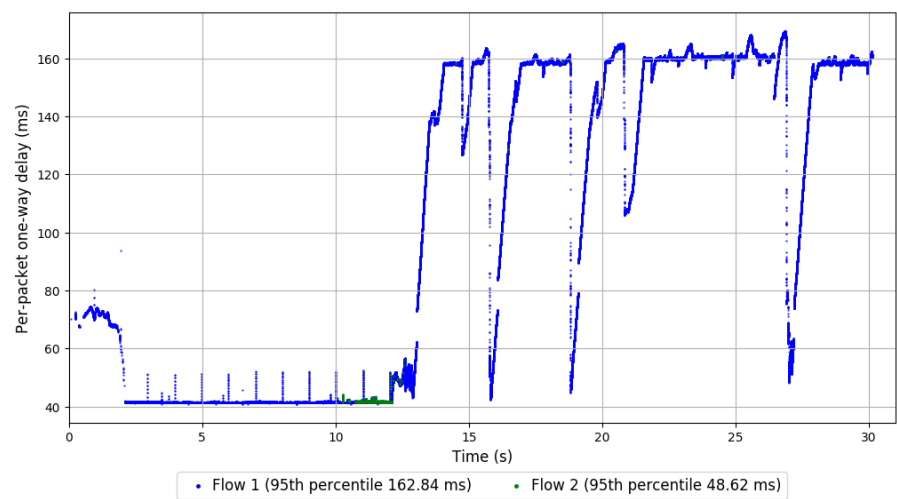
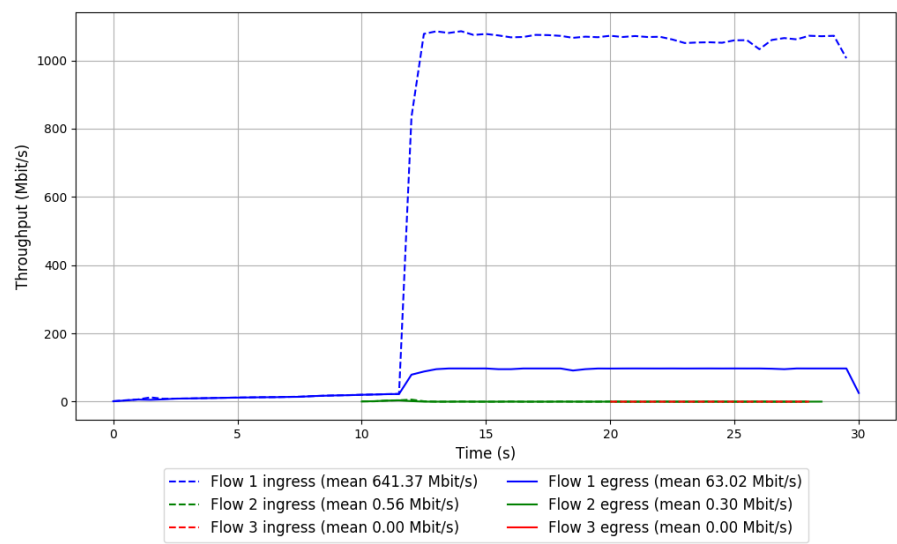


Run 2: Statistics of Copa

Start at: 2018-03-15 10:31:20
End at: 2018-03-15 10:31:50
Local clock offset: 1.883 ms
Remote clock offset: 47.359 ms

Below is generated by plot.py at 2018-03-15 14:41:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.20 Mbit/s
95th percentile per-packet one-way delay: 162.826 ms
Loss rate: 90.12%
-- Flow 1:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 162.842 ms
Loss rate: 90.14%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 48.625 ms
Loss rate: 46.91%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 2: Report of Copa — Data Link

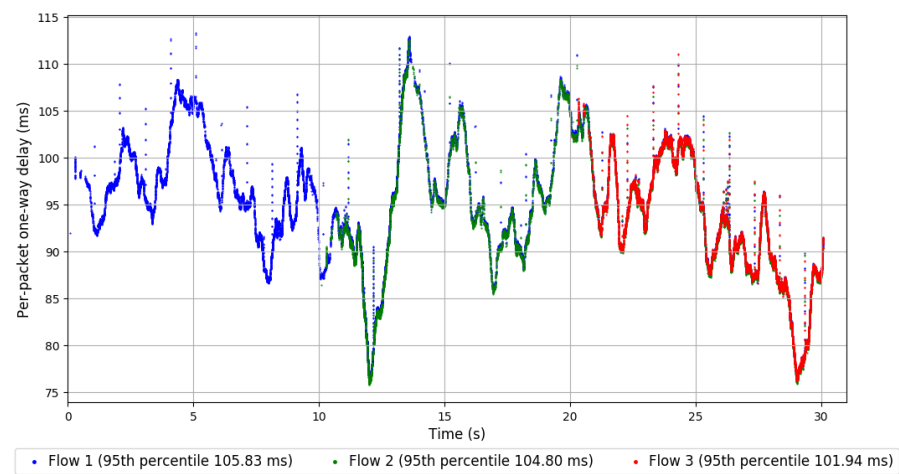
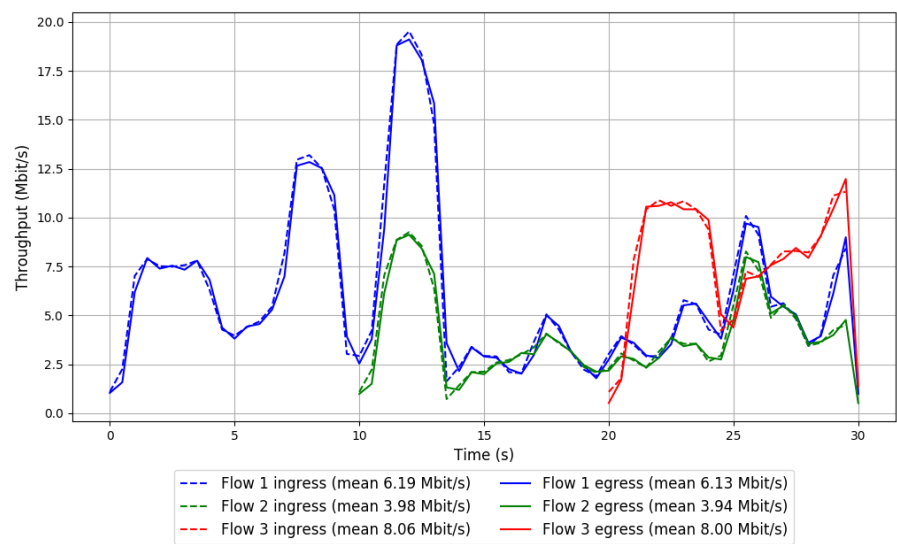


Run 3: Statistics of Copa

Start at: 2018-03-15 10:59:36
End at: 2018-03-15 11:00:06
Local clock offset: 5.115 ms
Remote clock offset: 29.352 ms

Below is generated by plot.py at 2018-03-15 14:41:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 104.891 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 105.826 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 104.795 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 101.935 ms
Loss rate: 0.83%

Run 3: Report of Copa — Data Link

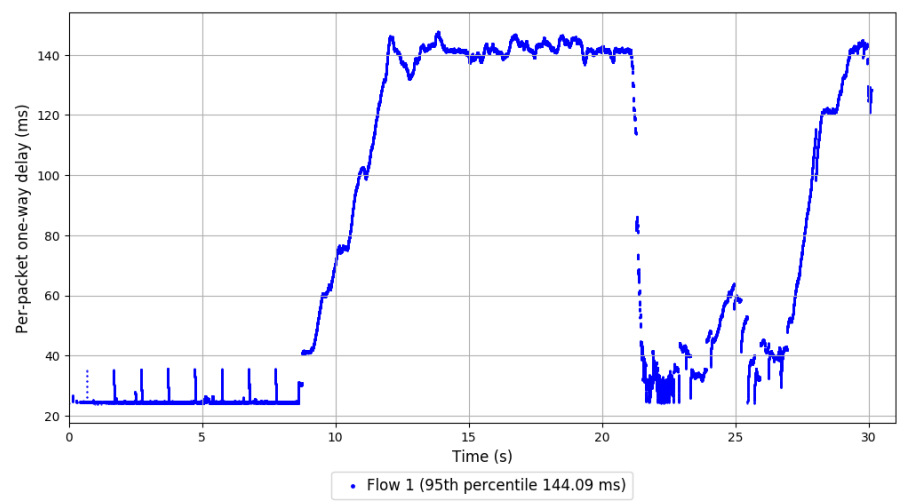
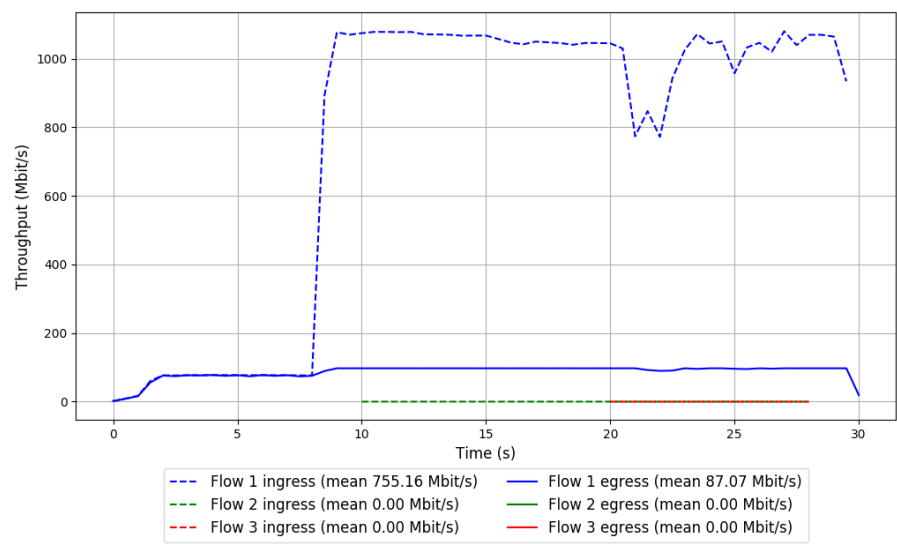


Run 4: Statistics of Copa

Start at: 2018-03-15 11:24:34
End at: 2018-03-15 11:25:04
Local clock offset: 9.61 ms
Remote clock offset: 40.12 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 144.087 ms
Loss rate: 88.43%
-- Flow 1:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 144.087 ms
Loss rate: 88.43%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 4: Report of Copa — Data Link

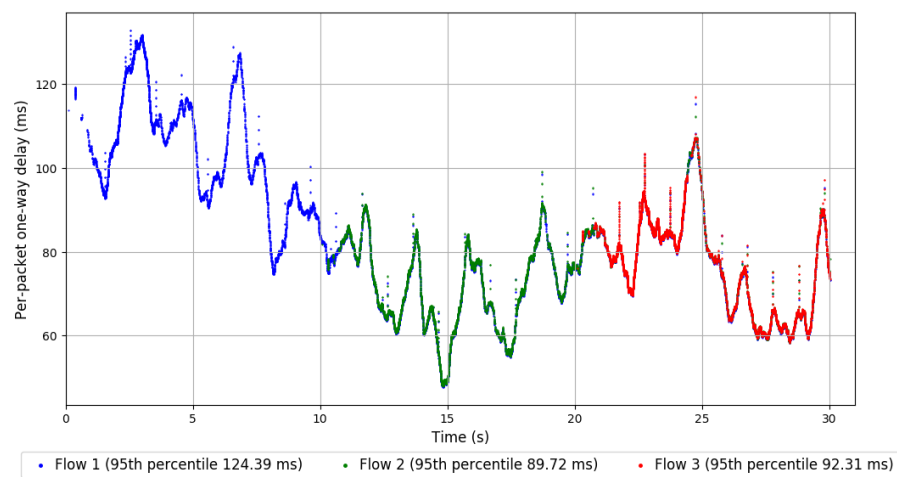
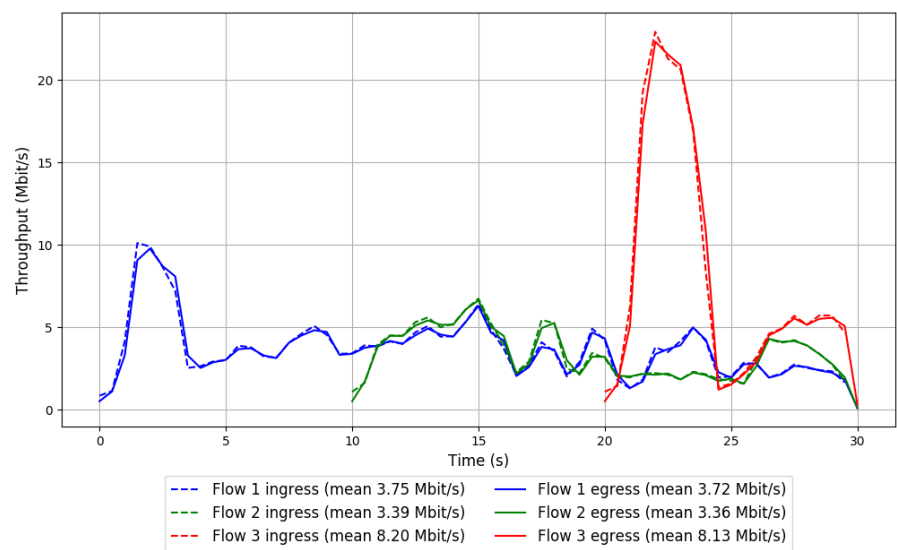


Run 5: Statistics of Copa

Start at: 2018-03-15 11:50:38
End at: 2018-03-15 11:51:08
Local clock offset: 1.846 ms
Remote clock offset: 13.634 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.67 Mbit/s
95th percentile per-packet one-way delay: 115.005 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 124.390 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 89.717 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 8.13 Mbit/s
95th percentile per-packet one-way delay: 92.309 ms
Loss rate: 0.87%

Run 5: Report of Copa — Data Link

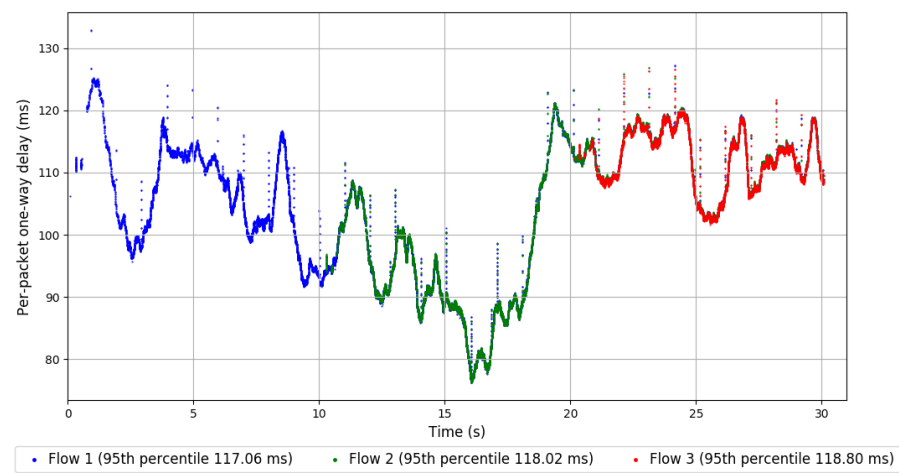
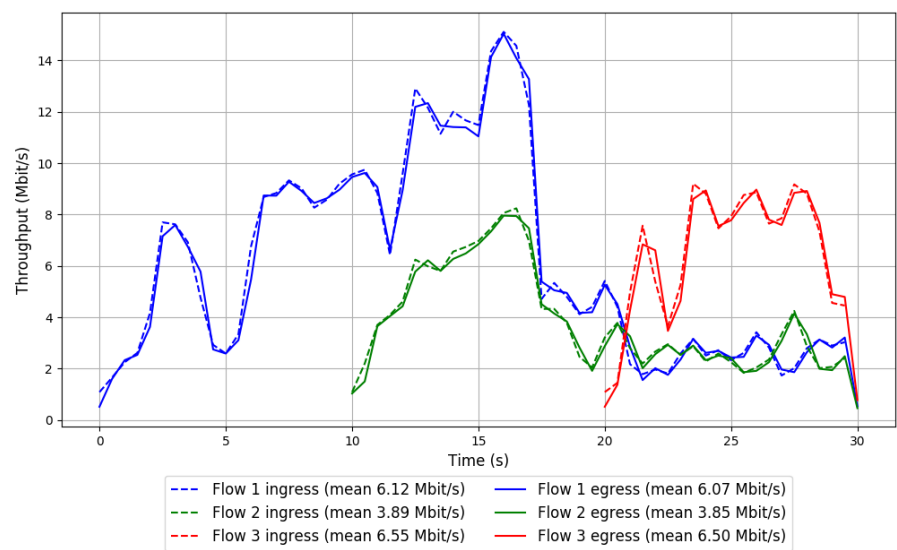


Run 6: Statistics of Copa

Start at: 2018-03-15 12:16:39
End at: 2018-03-15 12:17:09
Local clock offset: 3.324 ms
Remote clock offset: 44.233 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 118.259 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 117.062 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 118.024 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 118.795 ms
Loss rate: 0.71%

Run 6: Report of Copa — Data Link

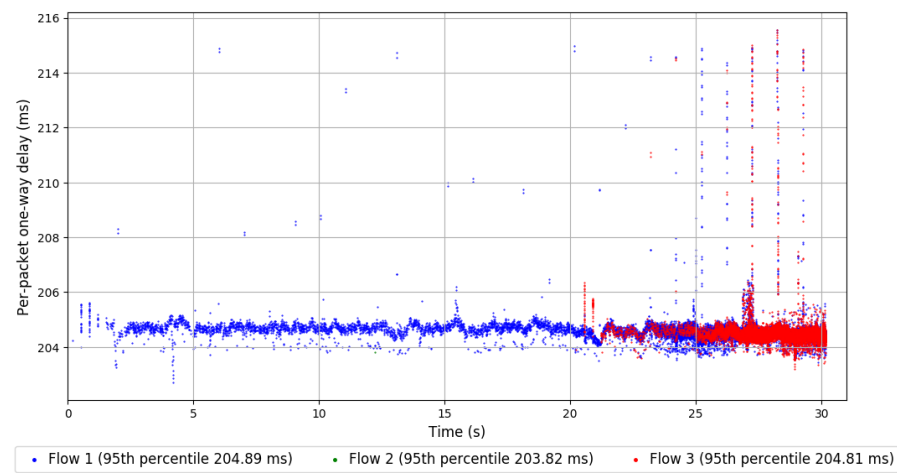
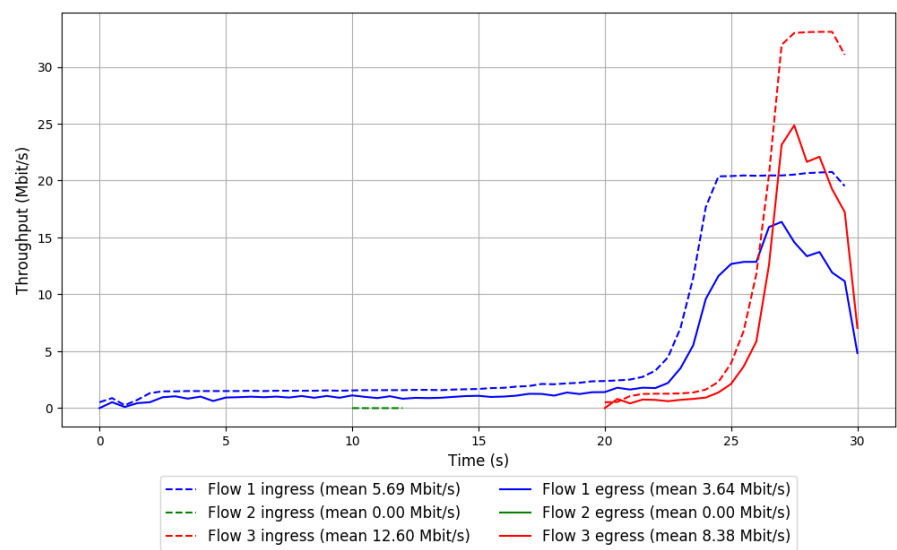


Run 7: Statistics of Copa

Start at: 2018-03-15 12:42:06
End at: 2018-03-15 12:42:36
Local clock offset: 4.868 ms
Remote clock offset: 21.502 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 204.869 ms
Loss rate: 34.94%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 204.892 ms
Loss rate: 35.99%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 203.820 ms
Loss rate: 50.00%
-- Flow 3:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 204.808 ms
Loss rate: 33.52%

Run 7: Report of Copa — Data Link

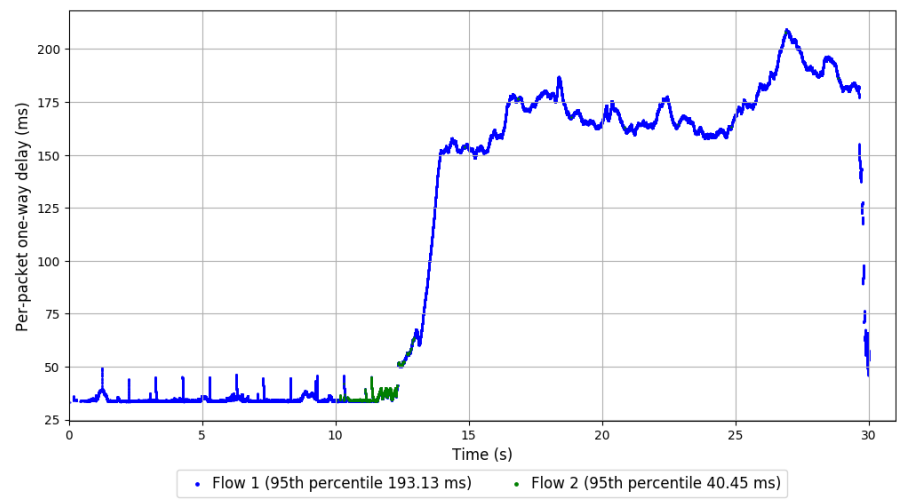
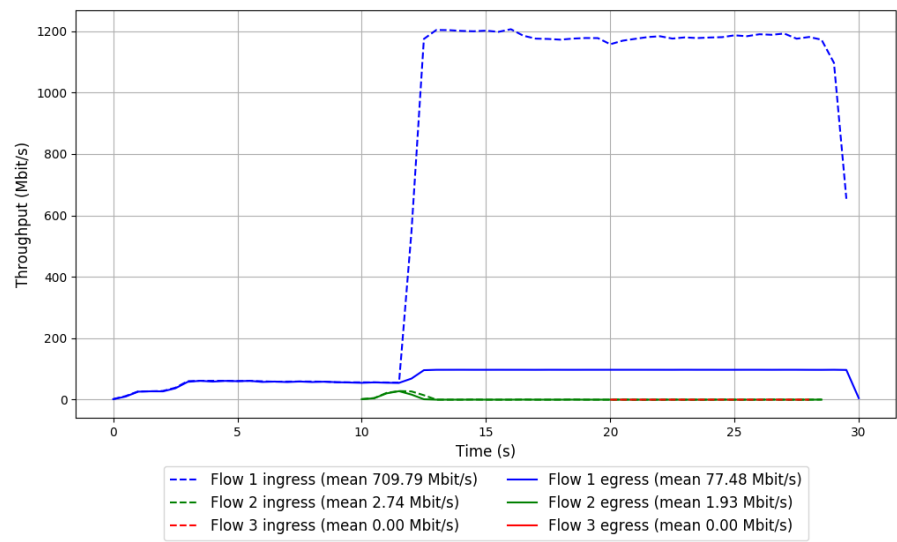


Run 8: Statistics of Copa

Start at: 2018-03-15 13:08:16
End at: 2018-03-15 13:08:46
Local clock offset: 5.009 ms
Remote clock offset: 47.339 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.69 Mbit/s
95th percentile per-packet one-way delay: 192.918 ms
Loss rate: 88.93%
-- Flow 1:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 193.127 ms
Loss rate: 89.08%
-- Flow 2:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 40.450 ms
Loss rate: 28.93%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 8: Report of Copa — Data Link

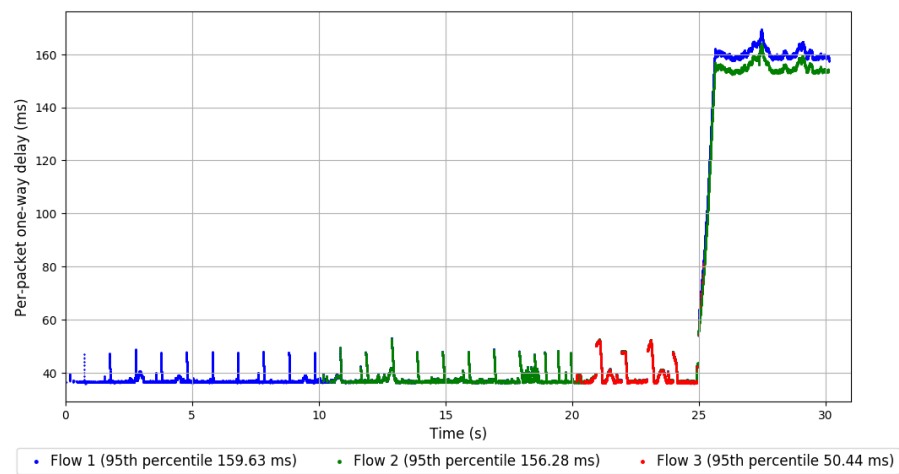
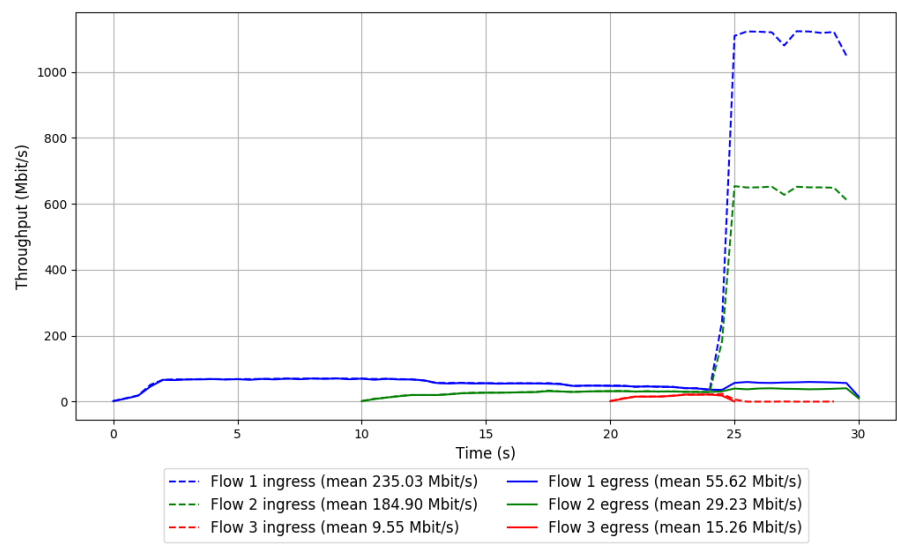


Run 9: Statistics of Copa

Start at: 2018-03-15 13:33:10
End at: 2018-03-15 13:33:40
Local clock offset: 0.116 ms
Remote clock offset: 48.492 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.72 Mbit/s
95th percentile per-packet one-way delay: 159.123 ms
Loss rate: 78.39%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 159.630 ms
Loss rate: 76.24%
-- Flow 2:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 156.277 ms
Loss rate: 84.10%
-- Flow 3:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 50.436 ms
Loss rate: 8.94%

Run 9: Report of Copa — Data Link

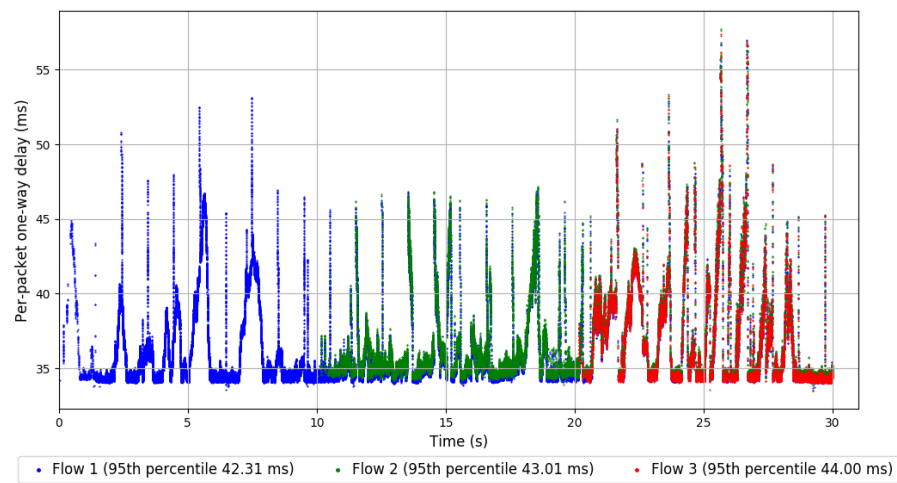
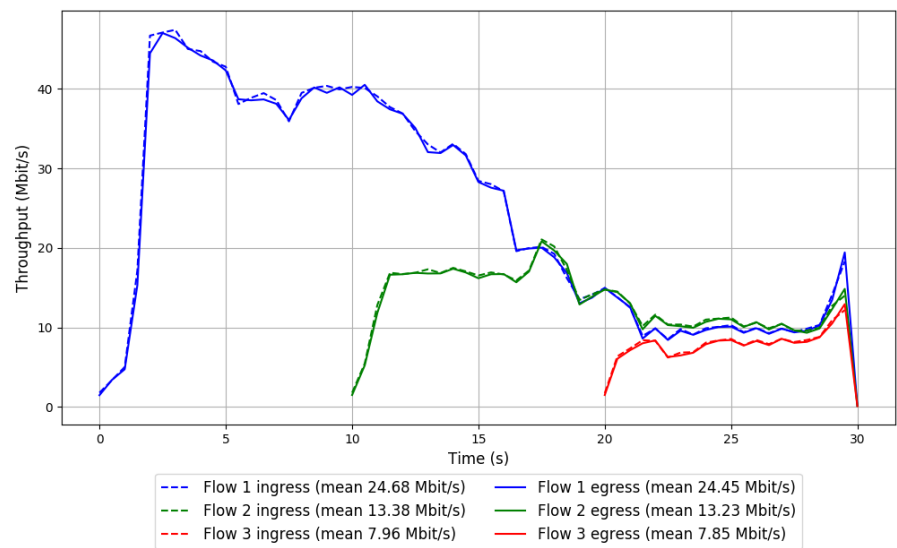


Run 10: Statistics of Copa

Start at: 2018-03-15 13:58:25
End at: 2018-03-15 13:58:55
Local clock offset: 3.547 ms
Remote clock offset: 51.951 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 42.566 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 42.309 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 43.011 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 44.000 ms
Loss rate: 1.32%

Run 10: Report of Copa — Data Link

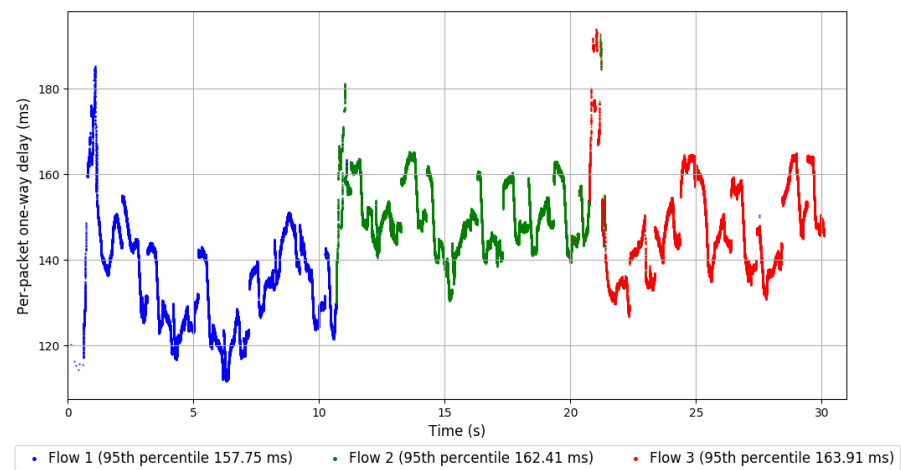
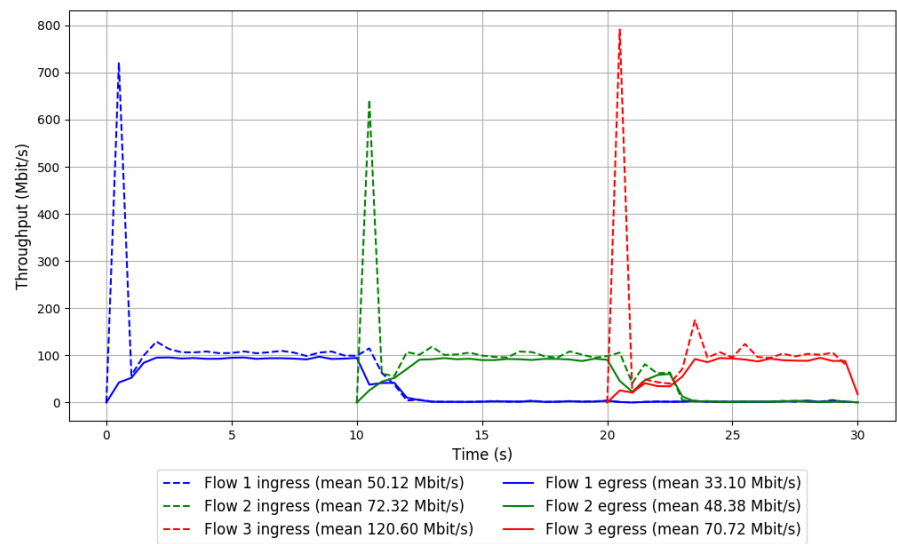


Run 1: Statistics of FillP

Start at: 2018-03-15 09:55:33
End at: 2018-03-15 09:56:03
Local clock offset: 1.464 ms
Remote clock offset: 37.109 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 162.993 ms
Loss rate: 35.76%
-- Flow 1:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 157.752 ms
Loss rate: 33.90%
-- Flow 2:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 162.411 ms
Loss rate: 33.05%
-- Flow 3:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 163.906 ms
Loss rate: 41.35%

Run 1: Report of FillP — Data Link

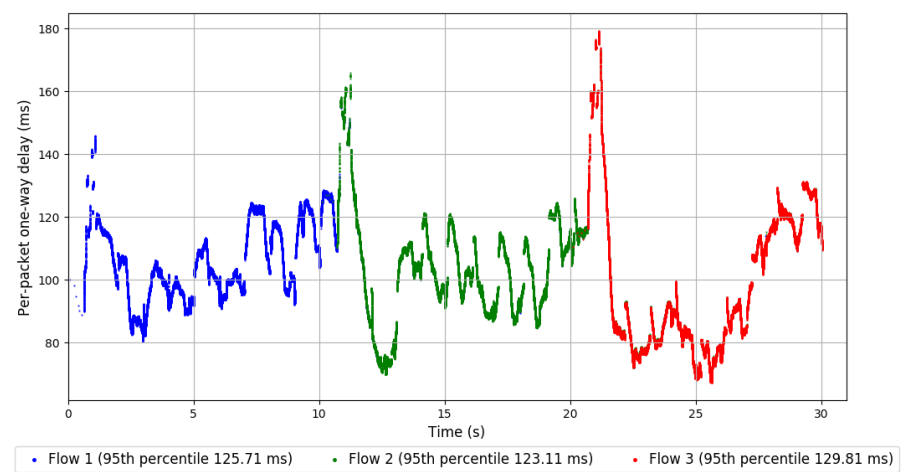
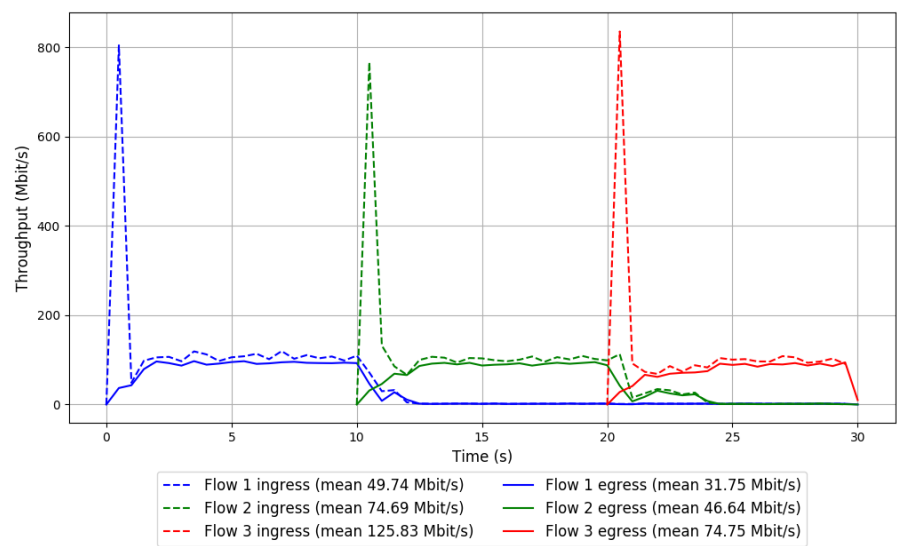


Run 2: Statistics of FillP

Start at: 2018-03-15 10:23:12
End at: 2018-03-15 10:23:42
Local clock offset: -0.928 ms
Remote clock offset: 14.393 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 126.991 ms
Loss rate: 37.97%
-- Flow 1:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 125.713 ms
Loss rate: 36.16%
-- Flow 2:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 123.105 ms
Loss rate: 37.58%
-- Flow 3:
Average throughput: 74.75 Mbit/s
95th percentile per-packet one-way delay: 129.810 ms
Loss rate: 40.58%

Run 2: Report of FillP — Data Link

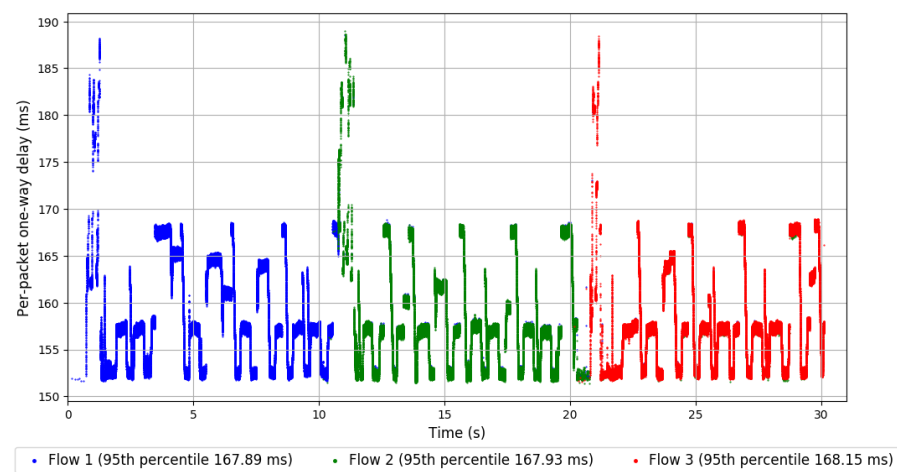
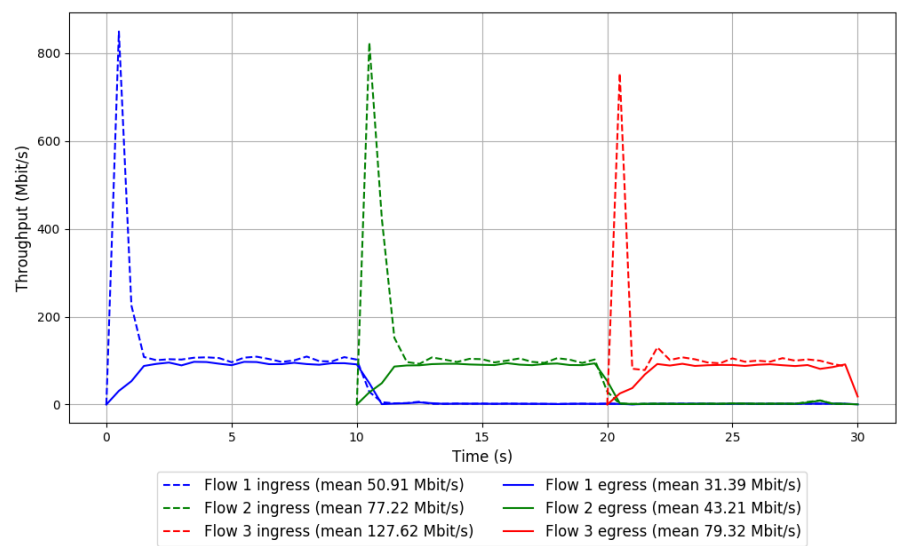


Run 3: Statistics of FillP

Start at: 2018-03-15 10:51:16
End at: 2018-03-15 10:51:46
Local clock offset: 3.318 ms
Remote clock offset: 51.095 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 167.980 ms
Loss rate: 40.20%
-- Flow 1:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 167.892 ms
Loss rate: 38.33%
-- Flow 2:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 167.928 ms
Loss rate: 44.03%
-- Flow 3:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 168.149 ms
Loss rate: 37.80%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-03-15 11:16:27

End at: 2018-03-15 11:16:57

Local clock offset: 8.568 ms

Remote clock offset: 37.13 ms

Below is generated by plot.py at 2018-03-15 14:44:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 44.072 ms

Loss rate: 33.21%

-- Flow 1:

Average throughput: 45.63 Mbit/s

95th percentile per-packet one-way delay: 44.096 ms

Loss rate: 24.79%

-- Flow 2:

Average throughput: 46.62 Mbit/s

95th percentile per-packet one-way delay: 44.091 ms

Loss rate: 34.83%

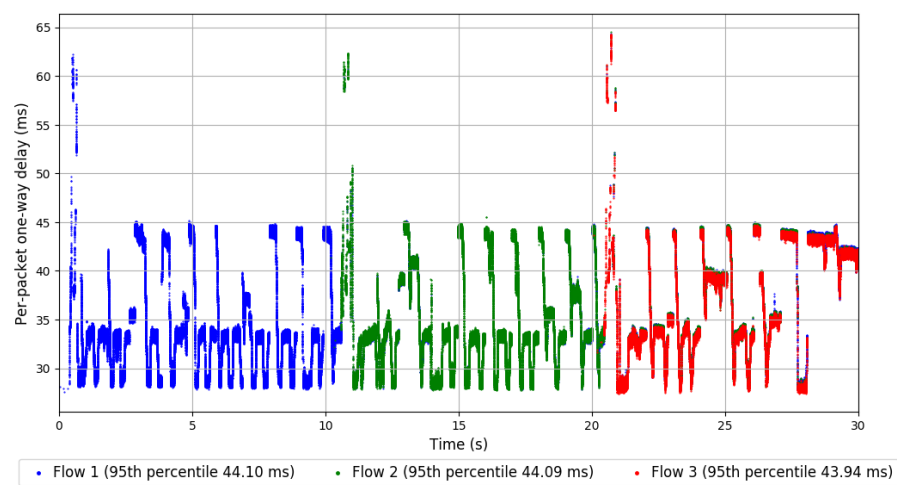
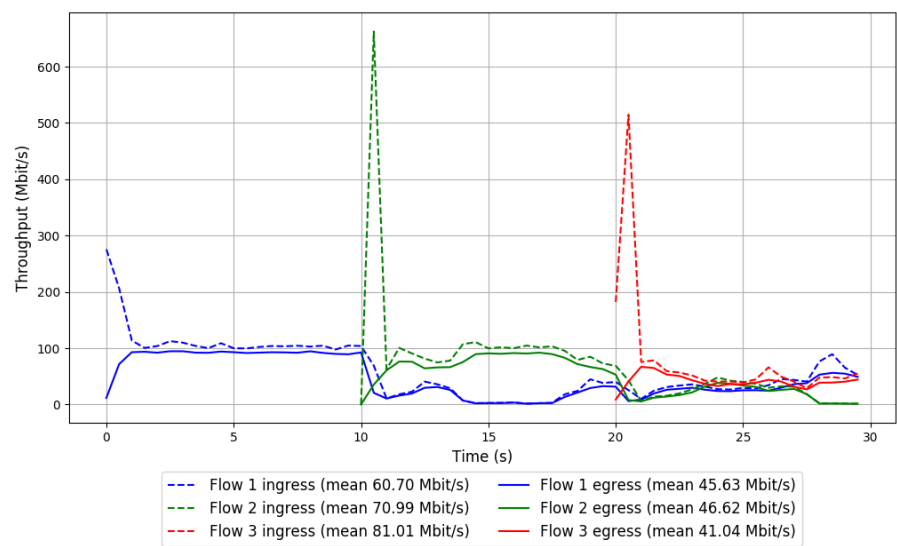
-- Flow 3:

Average throughput: 41.04 Mbit/s

95th percentile per-packet one-way delay: 43.938 ms

Loss rate: 49.35%

Run 4: Report of FillP — Data Link

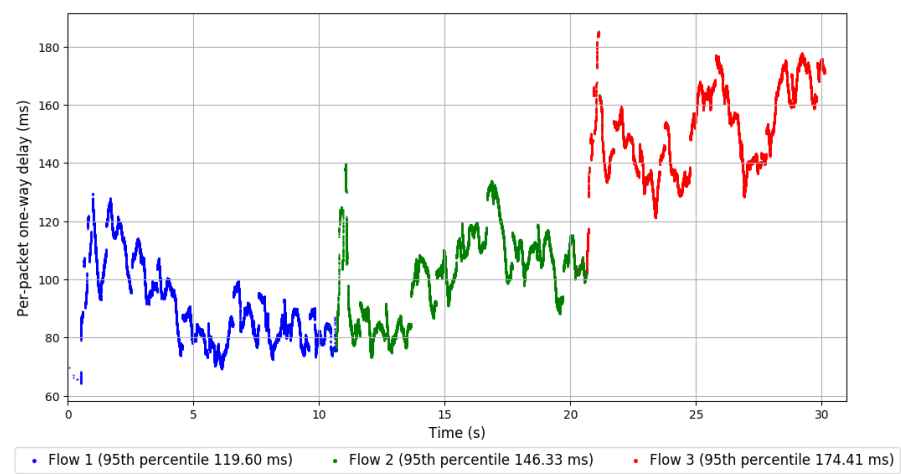
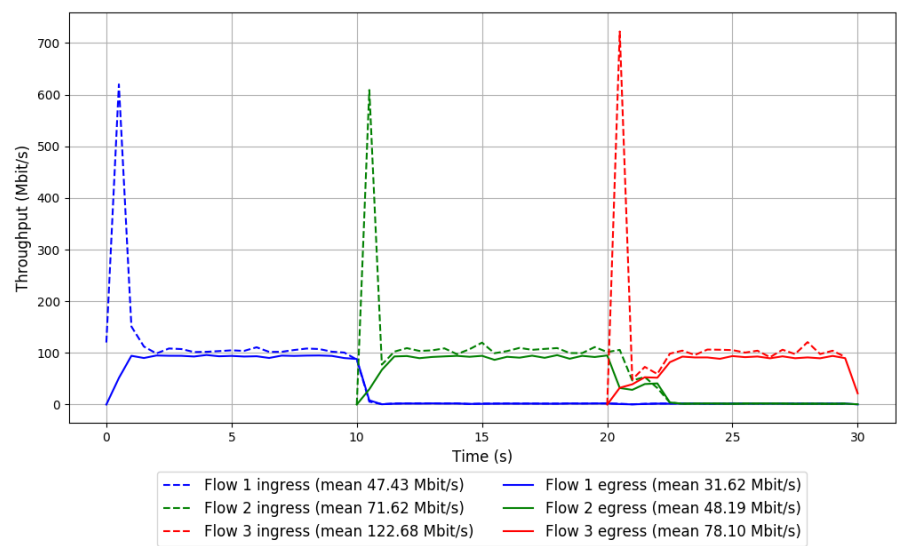


Run 5: Statistics of FillP

Start at: 2018-03-15 11:41:44
End at: 2018-03-15 11:42:14
Local clock offset: 3.678 ms
Remote clock offset: 56.019 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 169.008 ms
Loss rate: 33.71%
-- Flow 1:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 119.597 ms
Loss rate: 33.12%
-- Flow 2:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 146.327 ms
Loss rate: 32.40%
-- Flow 3:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 174.415 ms
Loss rate: 35.95%

Run 5: Report of FillP — Data Link

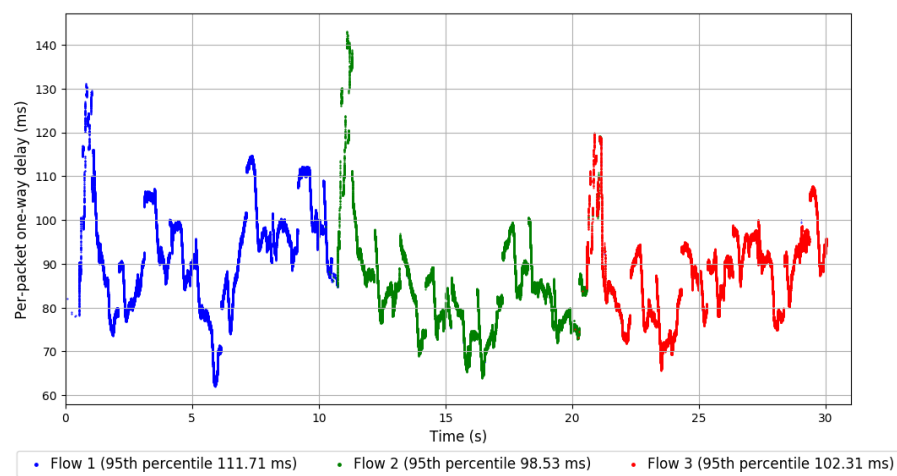
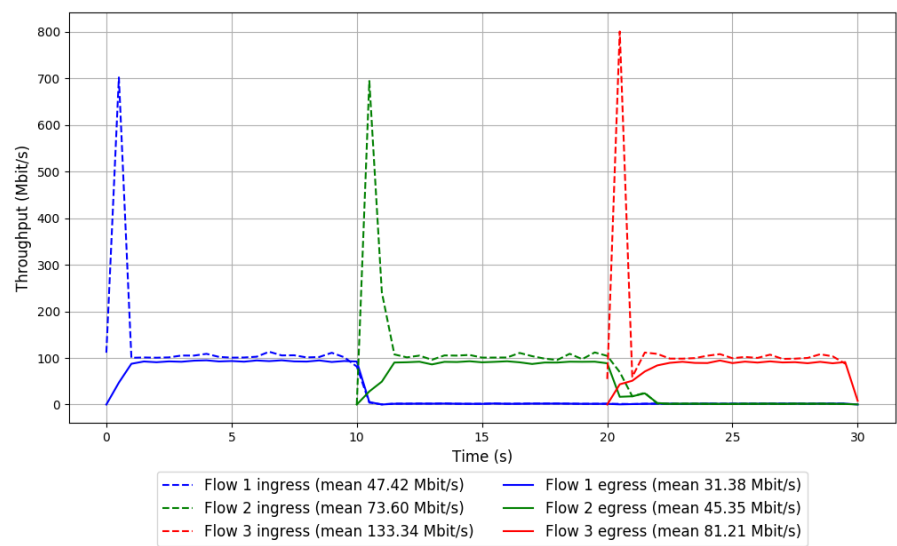


Run 6: Statistics of FillP

Start at: 2018-03-15 12:07:46
End at: 2018-03-15 12:08:16
Local clock offset: -1.147 ms
Remote clock offset: 47.064 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 107.473 ms
Loss rate: 37.19%
-- Flow 1:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 111.710 ms
Loss rate: 33.81%
-- Flow 2:
Average throughput: 45.35 Mbit/s
95th percentile per-packet one-way delay: 98.532 ms
Loss rate: 38.87%
-- Flow 3:
Average throughput: 81.21 Mbit/s
95th percentile per-packet one-way delay: 102.306 ms
Loss rate: 38.97%

Run 6: Report of FillP — Data Link

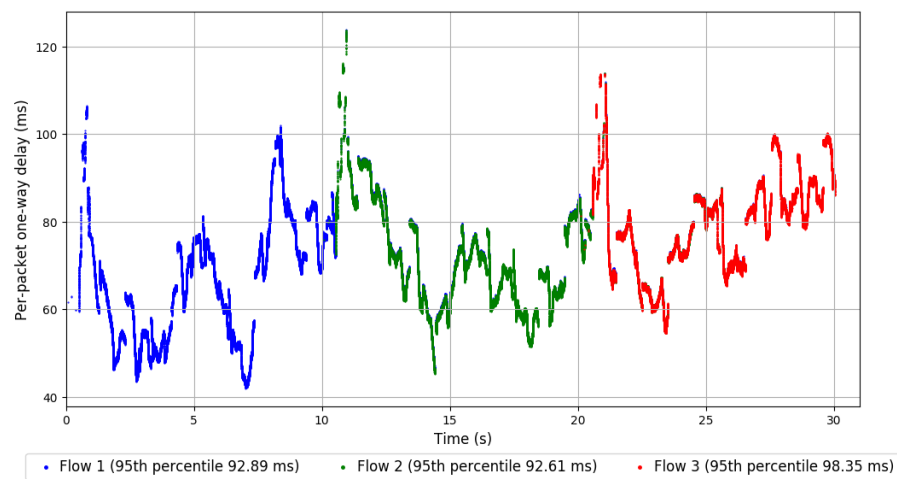
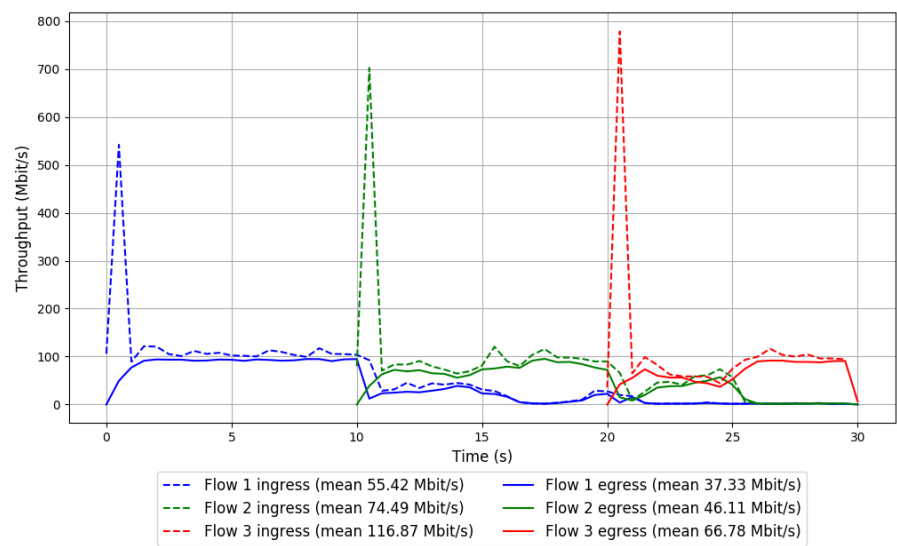


Run 7: Statistics of FillP

Start at: 2018-03-15 12:33:26
End at: 2018-03-15 12:33:56
Local clock offset: 4.493 ms
Remote clock offset: 49.929 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 94.012 ms
Loss rate: 37.24%
-- Flow 1:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 92.885 ms
Loss rate: 32.58%
-- Flow 2:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 92.615 ms
Loss rate: 38.07%
-- Flow 3:
Average throughput: 66.78 Mbit/s
95th percentile per-packet one-way delay: 98.350 ms
Loss rate: 42.83%

Run 7: Report of FillP — Data Link

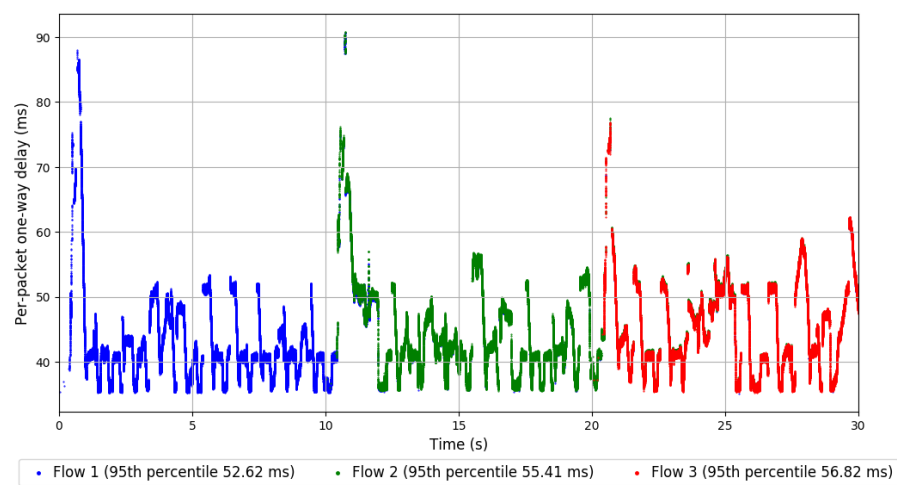
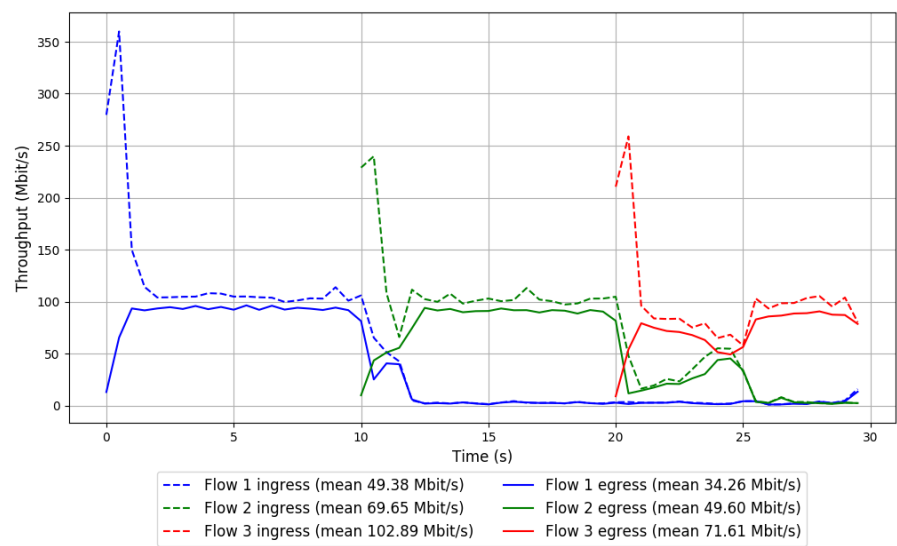


Run 8: Statistics of FillP

Start at: 2018-03-15 13:00:18
End at: 2018-03-15 13:00:48
Local clock offset: 5.457 ms
Remote clock offset: 51.565 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 55.524 ms
Loss rate: 29.86%
-- Flow 1:
Average throughput: 34.26 Mbit/s
95th percentile per-packet one-way delay: 52.617 ms
Loss rate: 30.59%
-- Flow 2:
Average throughput: 49.60 Mbit/s
95th percentile per-packet one-way delay: 55.412 ms
Loss rate: 28.75%
-- Flow 3:
Average throughput: 71.61 Mbit/s
95th percentile per-packet one-way delay: 56.820 ms
Loss rate: 30.32%

Run 8: Report of FillP — Data Link

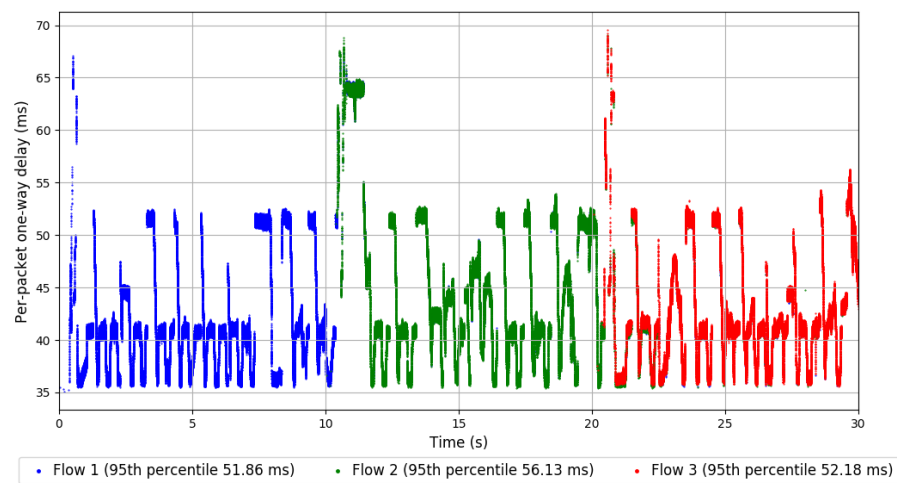
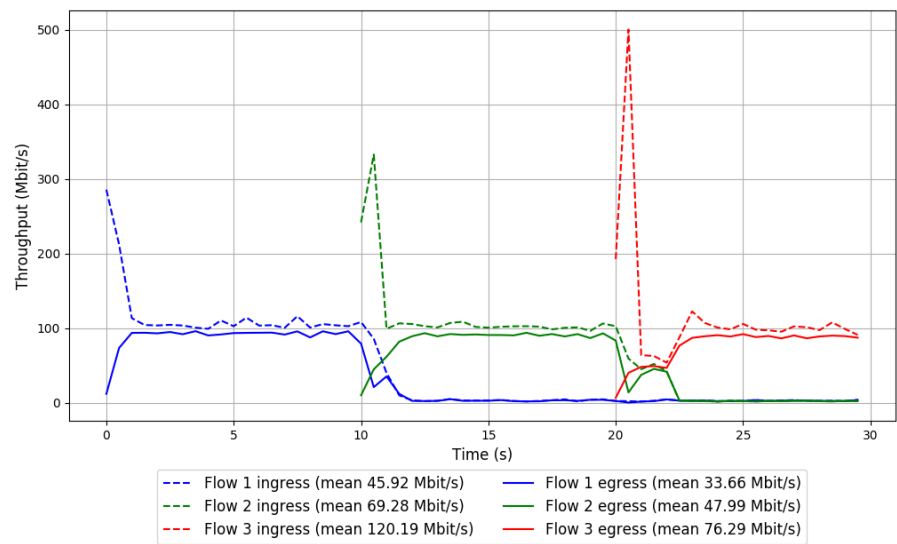


Run 9: Statistics of FillP

Start at: 2018-03-15 13:25:18
End at: 2018-03-15 13:25:48
Local clock offset: 3.335 ms
Remote clock offset: 49.167 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 52.233 ms
Loss rate: 31.08%
-- Flow 1:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 51.860 ms
Loss rate: 26.67%
-- Flow 2:
Average throughput: 47.99 Mbit/s
95th percentile per-packet one-way delay: 56.134 ms
Loss rate: 30.71%
-- Flow 3:
Average throughput: 76.29 Mbit/s
95th percentile per-packet one-way delay: 52.181 ms
Loss rate: 36.58%

Run 9: Report of FillP — Data Link

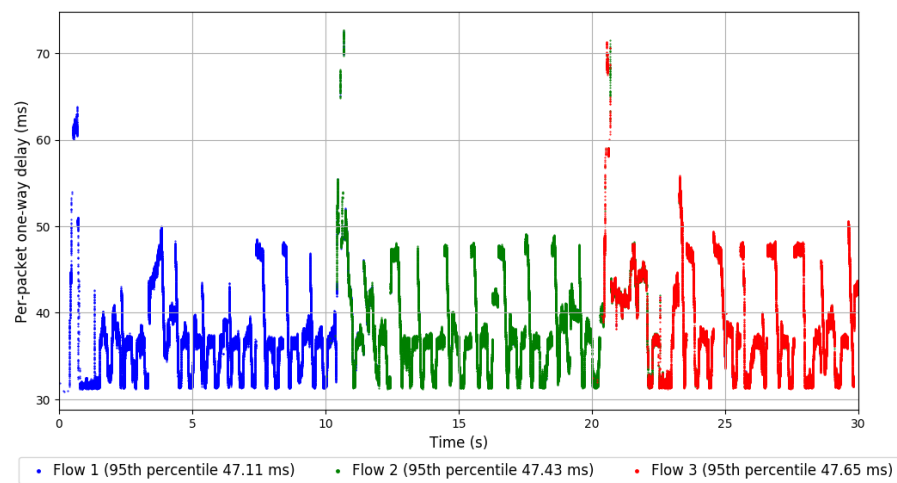
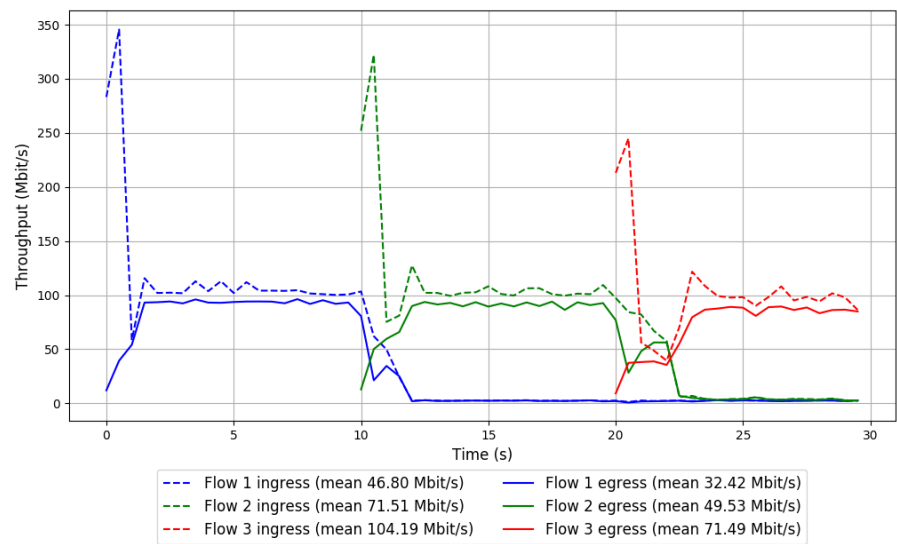


Run 10: Statistics of FillP

Start at: 2018-03-15 13:50:36
End at: 2018-03-15 13:51:06
Local clock offset: 2.86 ms
Remote clock offset: 48.257 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 47.468 ms
Loss rate: 30.86%
-- Flow 1:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 47.112 ms
Loss rate: 30.70%
-- Flow 2:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 47.434 ms
Loss rate: 30.70%
-- Flow 3:
Average throughput: 71.49 Mbit/s
95th percentile per-packet one-way delay: 47.646 ms
Loss rate: 31.31%

Run 10: Report of FillP — Data Link

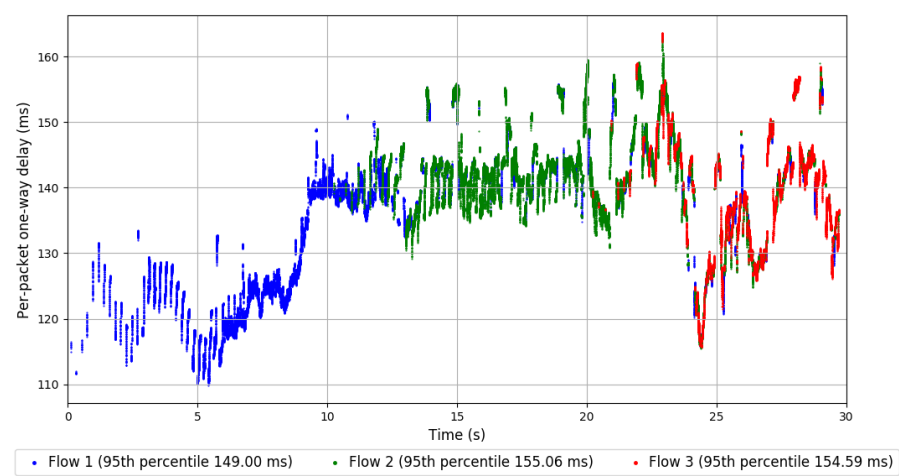
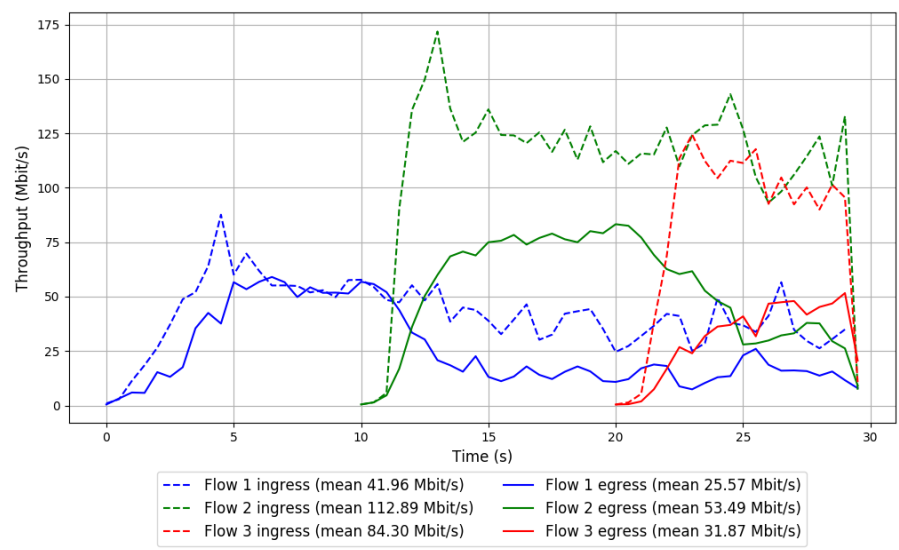


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-15 10:02:46
End at: 2018-03-15 10:03:16
Local clock offset: 0.607 ms
Remote clock offset: 28.169 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.81 Mbit/s
95th percentile per-packet one-way delay: 154.677 ms
Loss rate: 50.47%
-- Flow 1:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 148.999 ms
Loss rate: 39.03%
-- Flow 2:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 155.059 ms
Loss rate: 52.62%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 154.594 ms
Loss rate: 62.20%

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

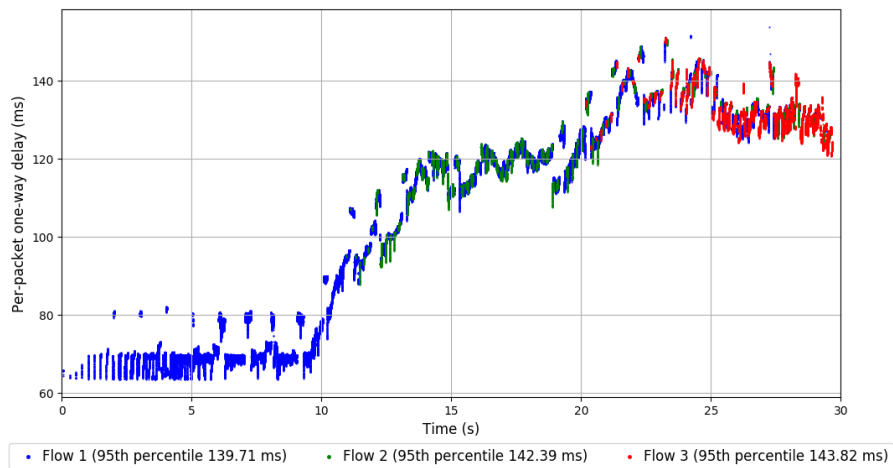
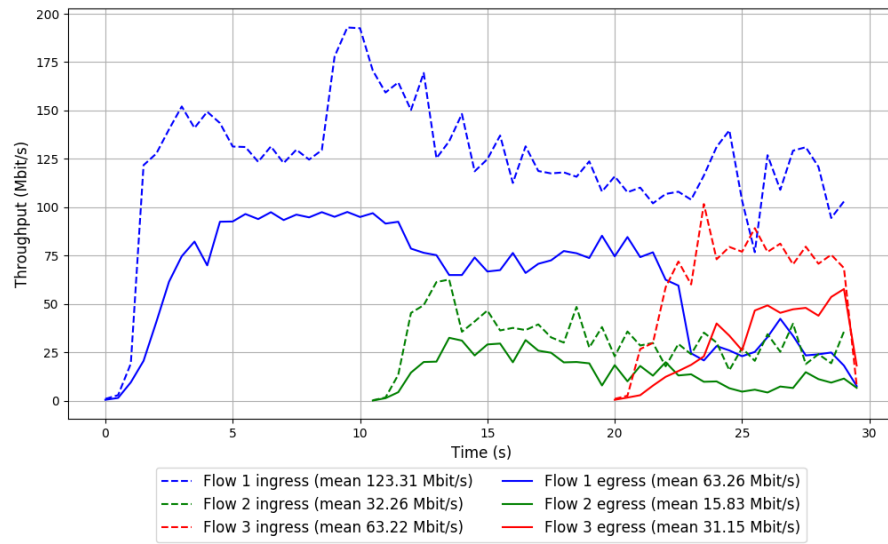


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-15 10:29:56
End at: 2018-03-15 10:30:26
Local clock offset: 1.444 ms
Remote clock offset: 69.403 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.06 Mbit/s
95th percentile per-packet one-way delay: 141.432 ms
Loss rate: 49.14%
-- Flow 1:
Average throughput: 63.26 Mbit/s
95th percentile per-packet one-way delay: 139.708 ms
Loss rate: 48.59%
-- Flow 2:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 142.393 ms
Loss rate: 50.84%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 143.819 ms
Loss rate: 50.78%

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

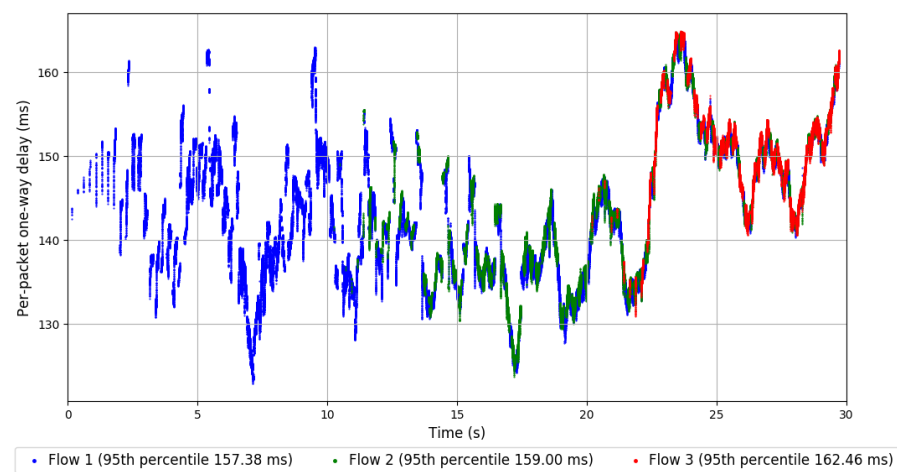
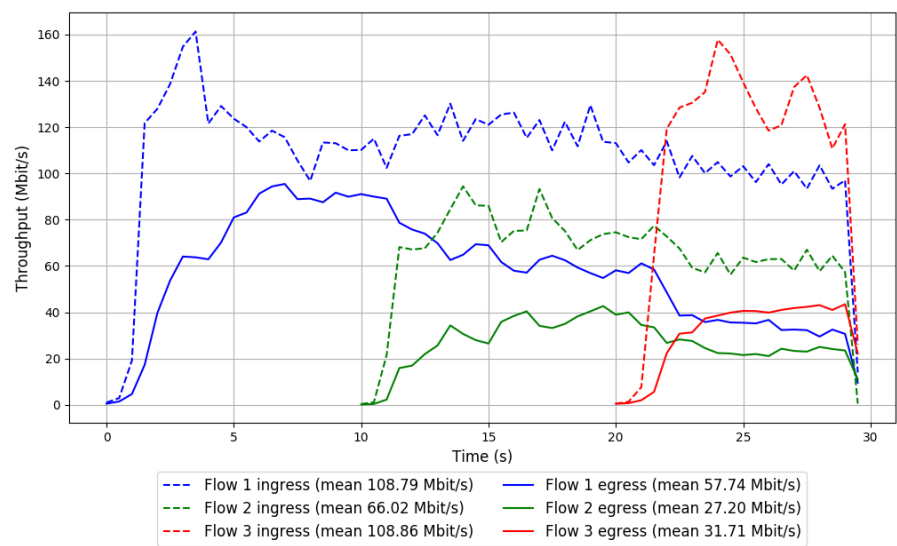


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-15 10:58:10
End at: 2018-03-15 10:58:40
Local clock offset: 3.888 ms
Remote clock offset: 43.105 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.83 Mbit/s
95th percentile per-packet one-way delay: 159.252 ms
Loss rate: 54.11%
-- Flow 1:
Average throughput: 57.74 Mbit/s
95th percentile per-packet one-way delay: 157.385 ms
Loss rate: 46.89%
-- Flow 2:
Average throughput: 27.20 Mbit/s
95th percentile per-packet one-way delay: 158.998 ms
Loss rate: 58.76%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 162.458 ms
Loss rate: 70.80%

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

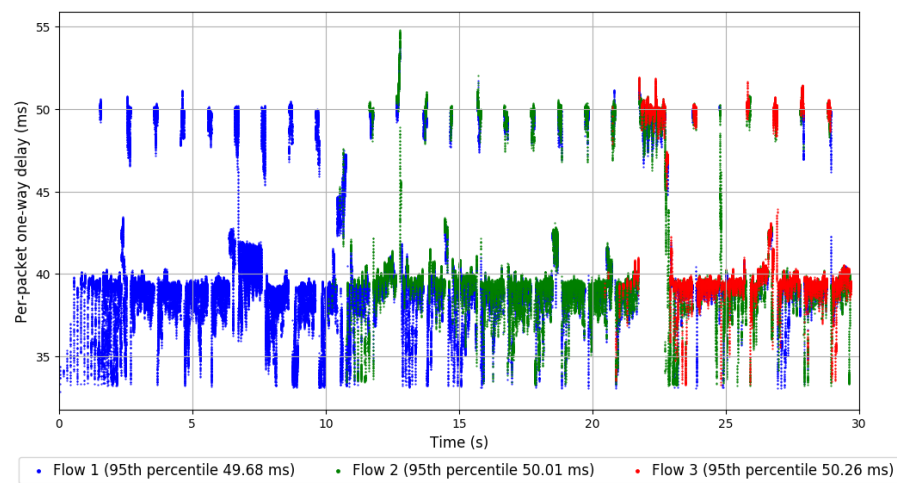
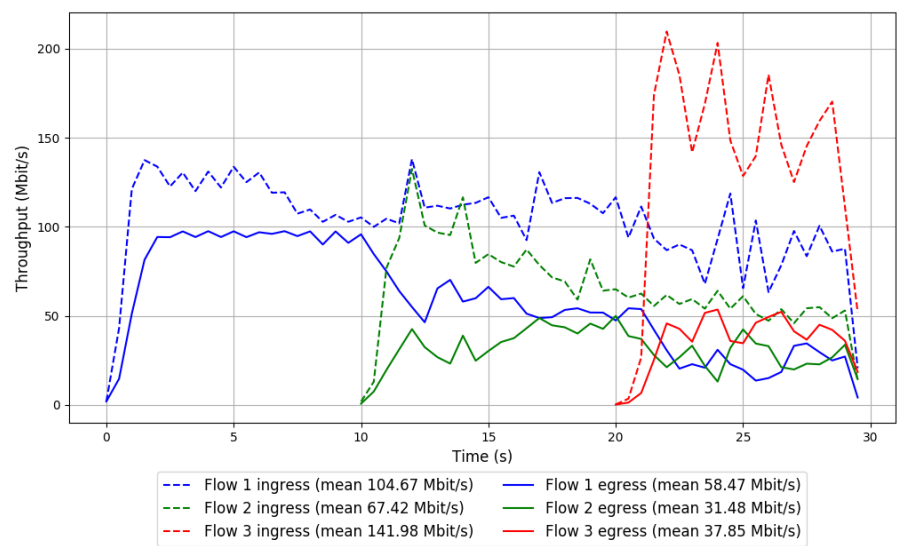


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-15 11:23:14
End at: 2018-03-15 11:23:44
Local clock offset: 9.564 ms
Remote clock offset: 48.269 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 49.890 ms
Loss rate: 52.93%
-- Flow 1:
Average throughput: 58.47 Mbit/s
95th percentile per-packet one-way delay: 49.684 ms
Loss rate: 44.13%
-- Flow 2:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 50.005 ms
Loss rate: 53.29%
-- Flow 3:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 50.255 ms
Loss rate: 73.34%

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

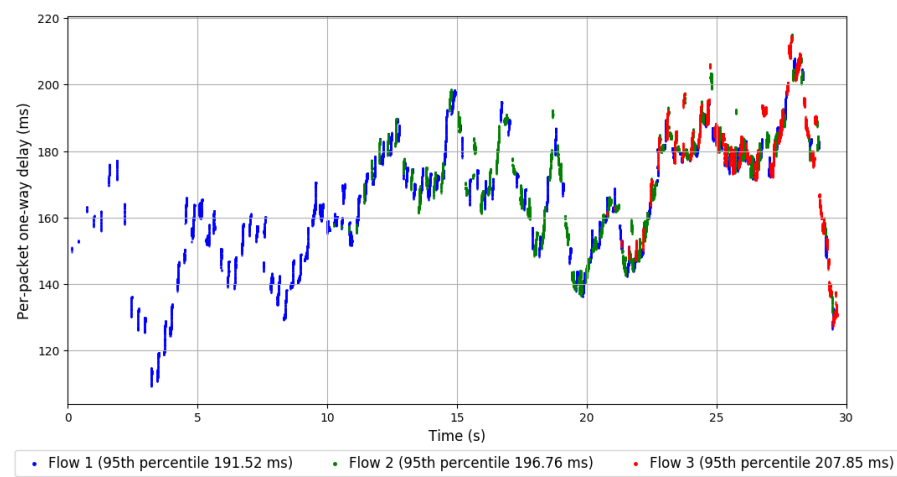
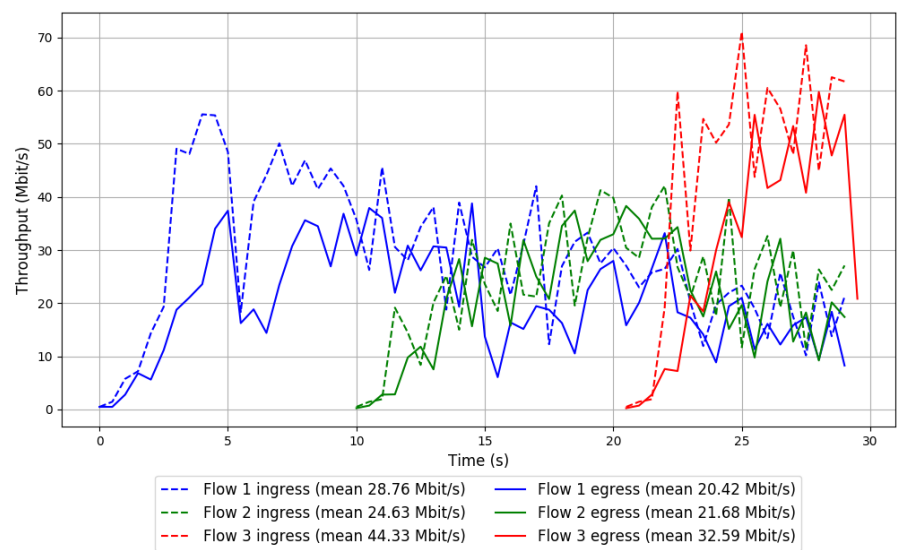


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-15 11:49:10
End at: 2018-03-15 11:49:40
Local clock offset: 1.461 ms
Remote clock offset: 20.763 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 197.489 ms
Loss rate: 23.84%
-- Flow 1:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 191.518 ms
Loss rate: 29.05%
-- Flow 2:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 196.765 ms
Loss rate: 12.12%
-- Flow 3:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 207.846 ms
Loss rate: 26.73%

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

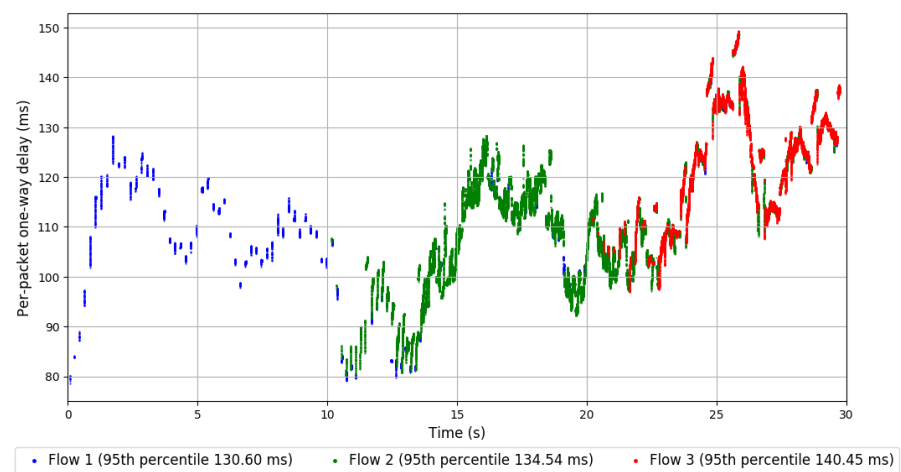
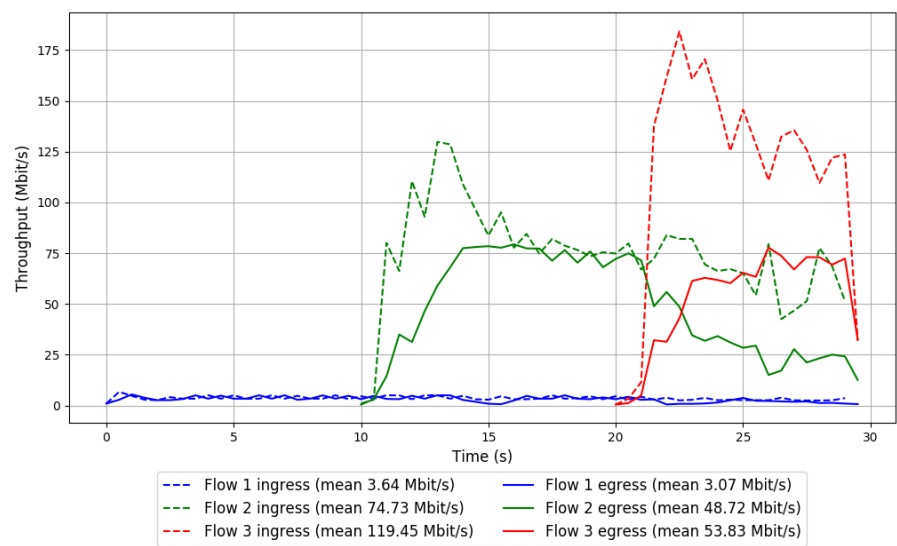


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-15 12:15:07
End at: 2018-03-15 12:15:37
Local clock offset: 2.865 ms
Remote clock offset: 42.687 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.28 Mbit/s
95th percentile per-packet one-way delay: 136.974 ms
Loss rate: 42.43%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 130.605 ms
Loss rate: 15.58%
-- Flow 2:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 134.541 ms
Loss rate: 34.73%
-- Flow 3:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 140.453 ms
Loss rate: 54.81%

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

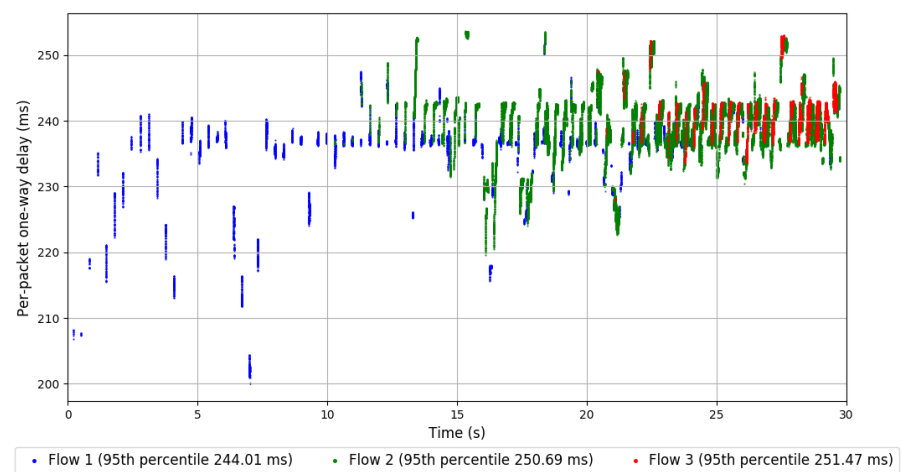
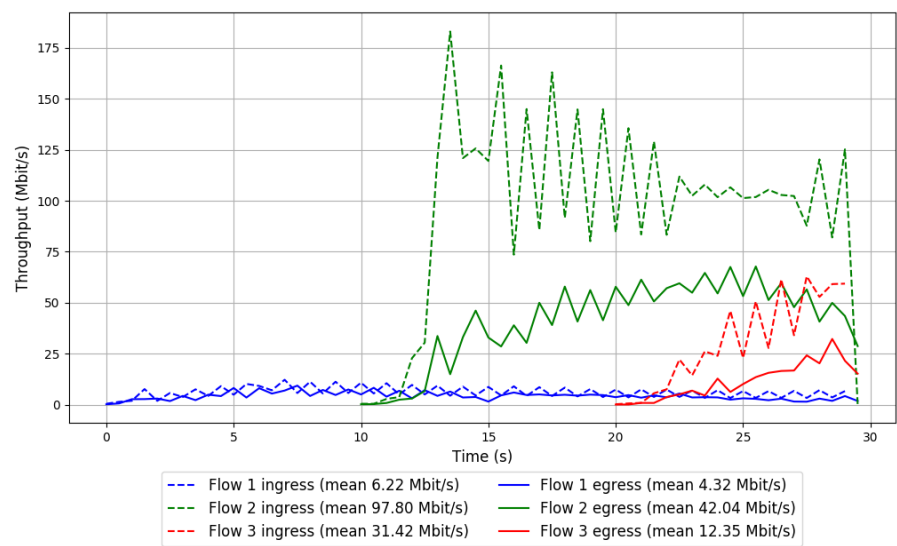


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-15 12:40:01
End at: 2018-03-15 12:40:31
Local clock offset: 4.517 ms
Remote clock offset: 52.871 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 250.154 ms
Loss rate: 55.42%
-- Flow 1:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 244.007 ms
Loss rate: 30.52%
-- Flow 2:
Average throughput: 42.04 Mbit/s
95th percentile per-packet one-way delay: 250.688 ms
Loss rate: 57.02%
-- Flow 3:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 251.466 ms
Loss rate: 60.71%

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

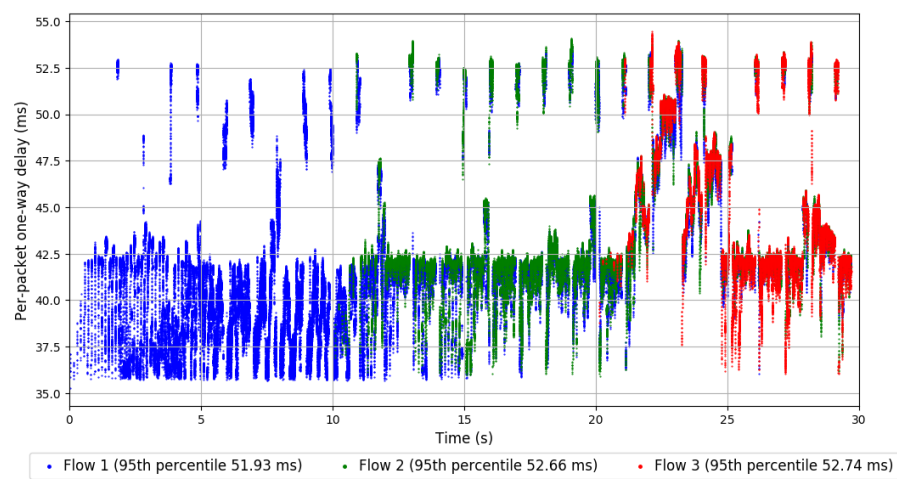
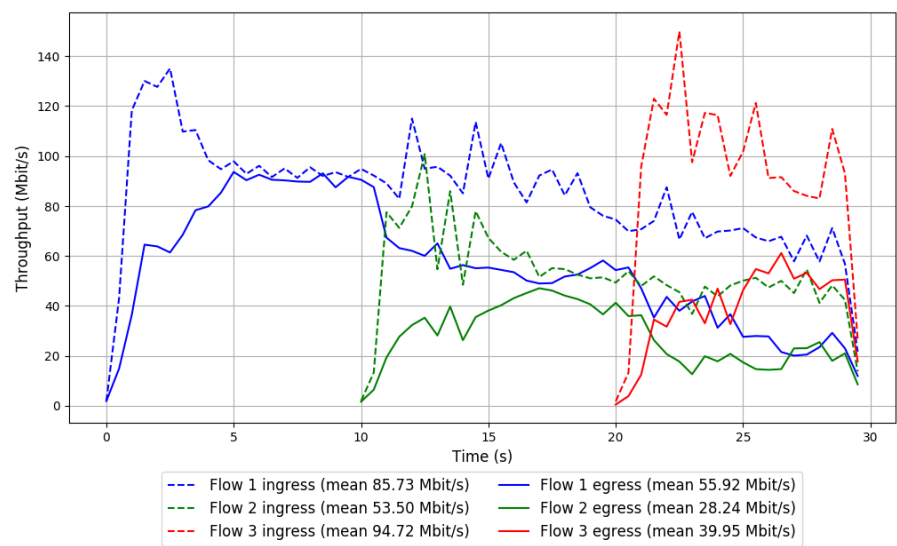


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-15 13:06:54
End at: 2018-03-15 13:07:24
Local clock offset: 5.613 ms
Remote clock offset: 50.268 ms

Below is generated by plot.py at 2018-03-15 14:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 52.362 ms
Loss rate: 42.30%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 51.931 ms
Loss rate: 34.76%
-- Flow 2:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 52.659 ms
Loss rate: 47.19%
-- Flow 3:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 52.739 ms
Loss rate: 57.81%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-03-15 13:31:48

End at: 2018-03-15 13:32:18

Local clock offset: 3.011 ms

Remote clock offset: 44.76 ms

Below is generated by plot.py at 2018-03-15 14:44:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 46.445 ms

Loss rate: 49.48%

-- Flow 1:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 45.785 ms

Loss rate: 37.29%

-- Flow 2:

Average throughput: 35.48 Mbit/s

95th percentile per-packet one-way delay: 46.679 ms

Loss rate: 51.75%

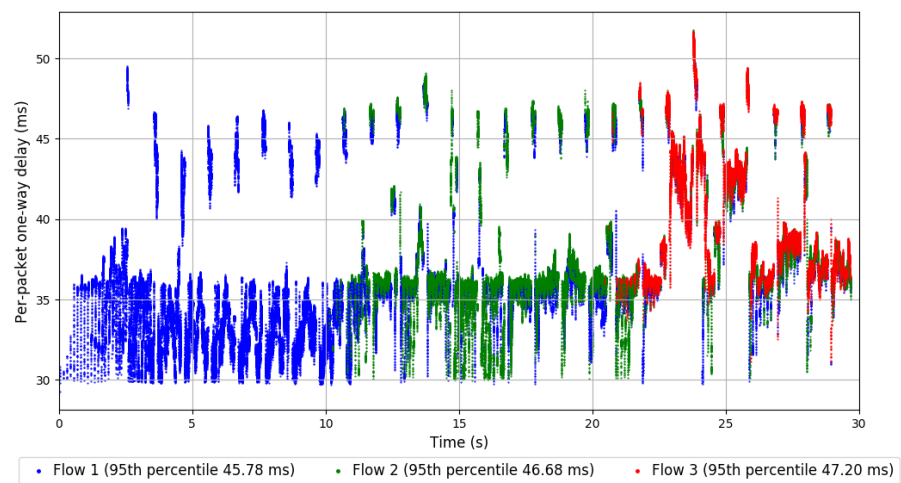
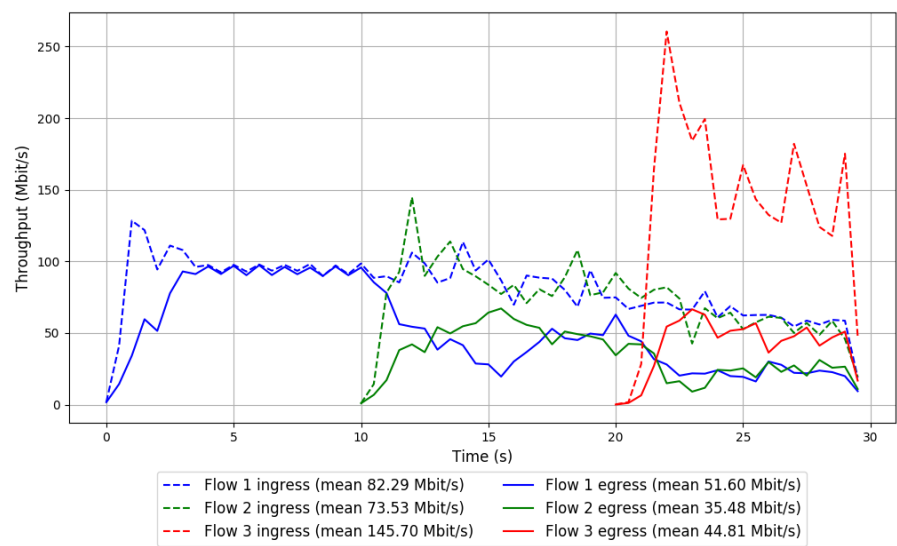
-- Flow 3:

Average throughput: 44.81 Mbit/s

95th percentile per-packet one-way delay: 47.198 ms

Loss rate: 69.25%

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

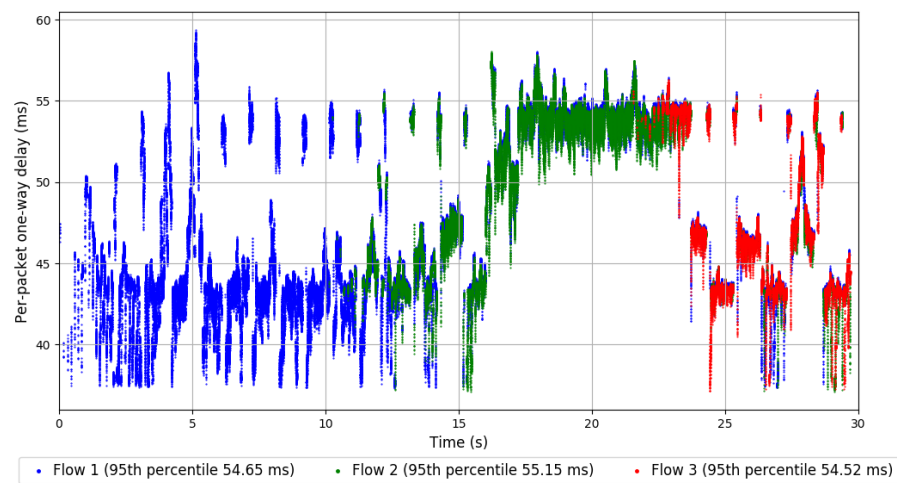
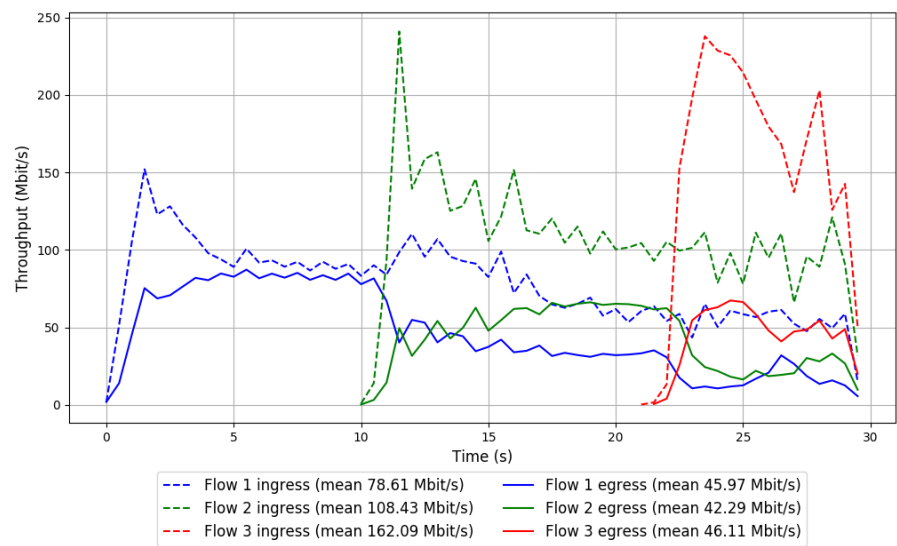


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-15 13:57:03
End at: 2018-03-15 13:57:33
Local clock offset: 3.537 ms
Remote clock offset: 54.941 ms

Below is generated by plot.py at 2018-03-15 14:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 54.767 ms
Loss rate: 55.57%
-- Flow 1:
Average throughput: 45.97 Mbit/s
95th percentile per-packet one-way delay: 54.654 ms
Loss rate: 41.52%
-- Flow 2:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 55.154 ms
Loss rate: 61.00%
-- Flow 3:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 54.516 ms
Loss rate: 71.59%

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

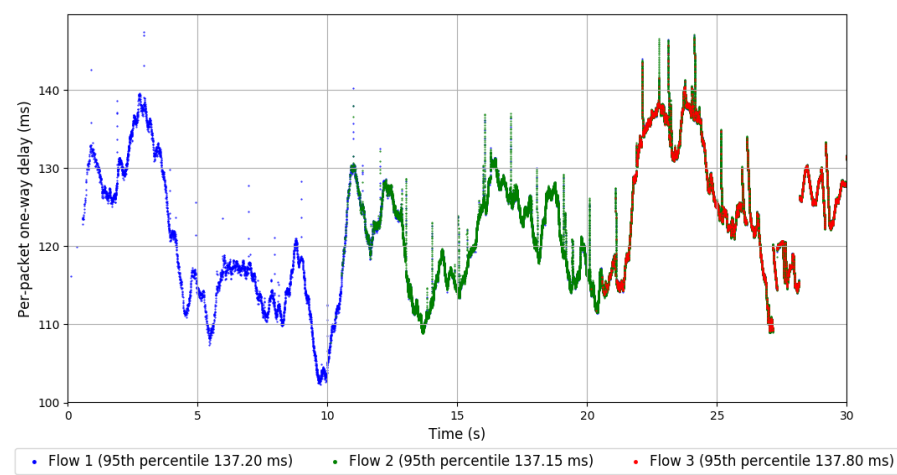
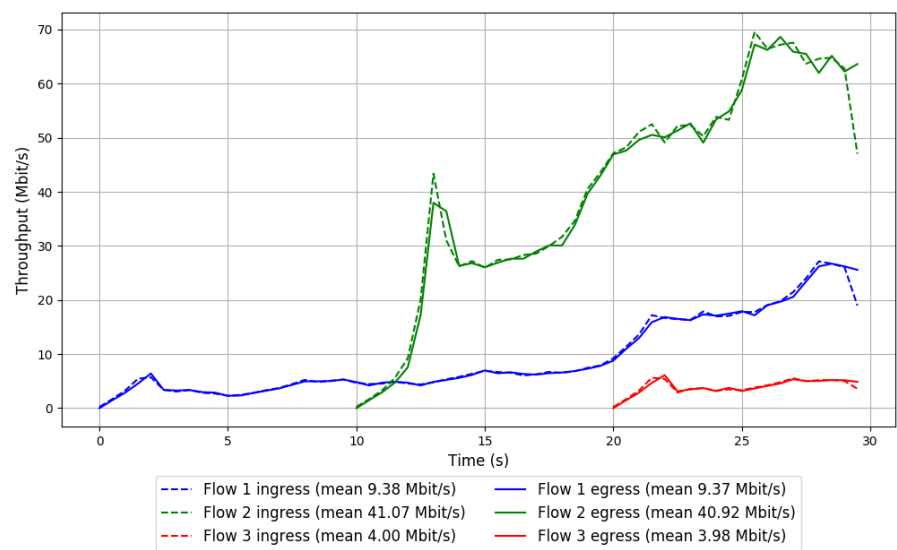


Run 1: Statistics of Vivace-latency

Start at: 2018-03-15 09:58:28
End at: 2018-03-15 09:58:58
Local clock offset: 0.993 ms
Remote clock offset: 26.705 ms

Below is generated by plot.py at 2018-03-15 14:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 137.196 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 137.197 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 137.150 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 137.801 ms
Loss rate: 0.35%

Run 1: Report of Vivace-latency — Data Link

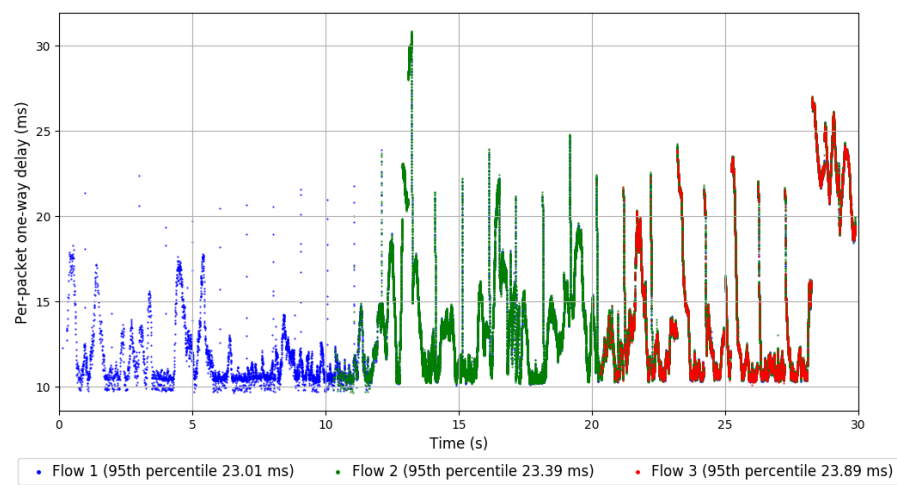
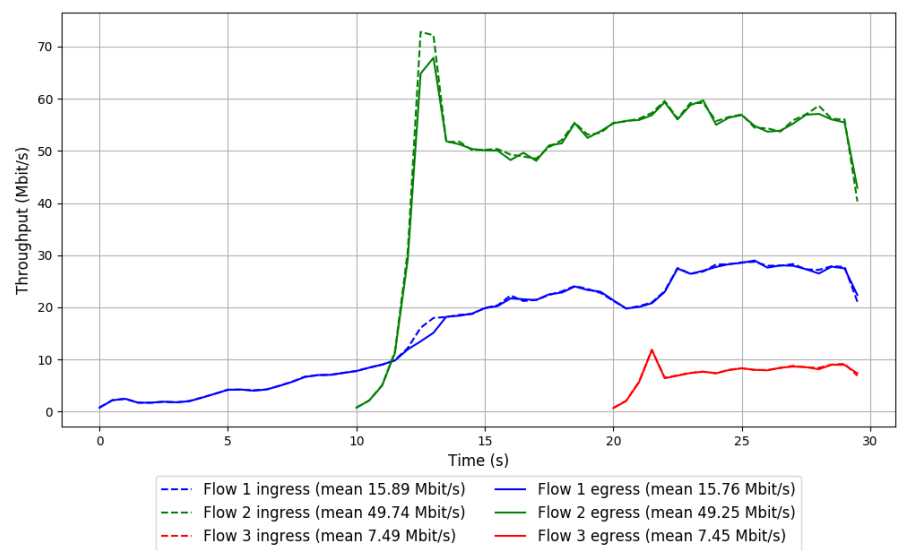


Run 2: Statistics of Vivace-latency

Start at: 2018-03-15 10:26:01
End at: 2018-03-15 10:26:31
Local clock offset: 0.414 ms
Remote clock offset: 15.538 ms

Below is generated by plot.py at 2018-03-15 14:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.97 Mbit/s
95th percentile per-packet one-way delay: 23.323 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 23.013 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 23.390 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 23.888 ms
Loss rate: 0.42%

Run 2: Report of Vivace-latency — Data Link

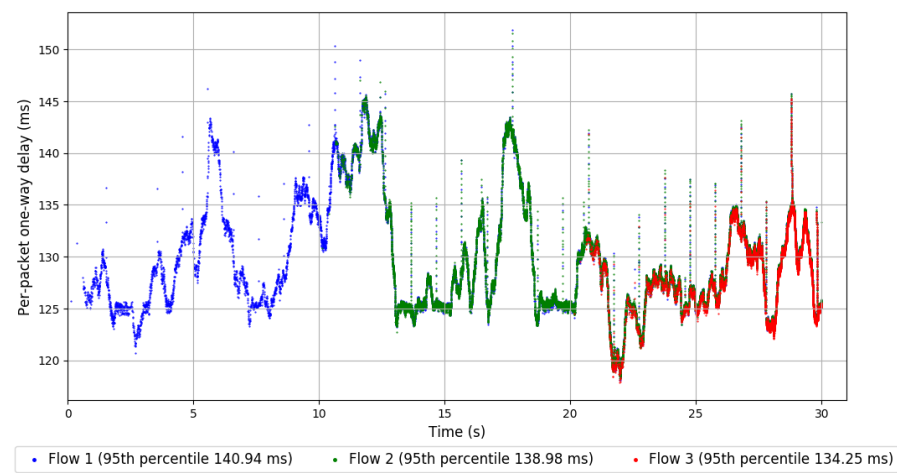
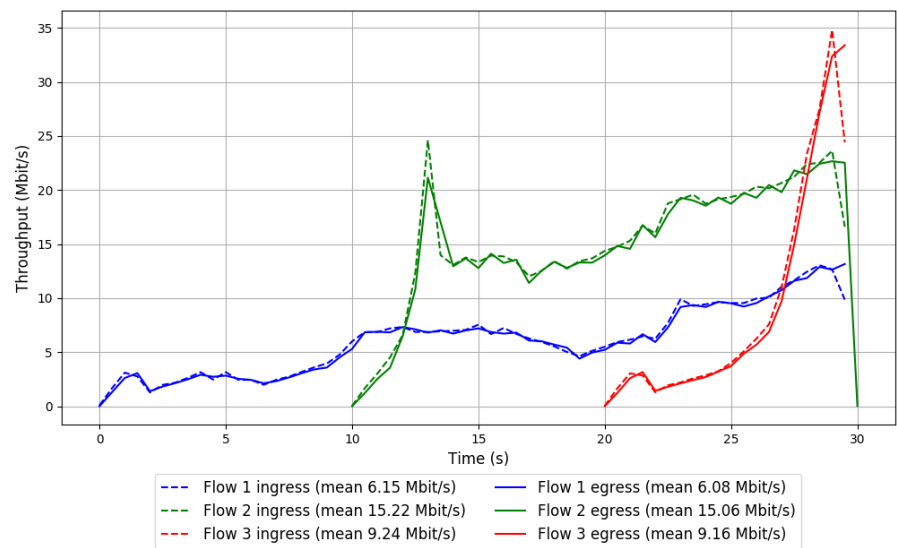


Run 3: Statistics of Vivace-latency

Start at: 2018-03-15 10:54:06
End at: 2018-03-15 10:54:36
Local clock offset: 3.701 ms
Remote clock offset: 22.928 ms

Below is generated by plot.py at 2018-03-15 14:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.11 Mbit/s
95th percentile per-packet one-way delay: 139.833 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 140.936 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 138.983 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 134.249 ms
Loss rate: 0.88%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-15 11:19:14

End at: 2018-03-15 11:19:44

Local clock offset: 9.187 ms

Remote clock offset: 48.35 ms

Below is generated by plot.py at 2018-03-15 14:44:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 36.703 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 14.49 Mbit/s

95th percentile per-packet one-way delay: 36.720 ms

Loss rate: 1.64%

-- Flow 2:

Average throughput: 16.62 Mbit/s

95th percentile per-packet one-way delay: 36.702 ms

Loss rate: 1.68%

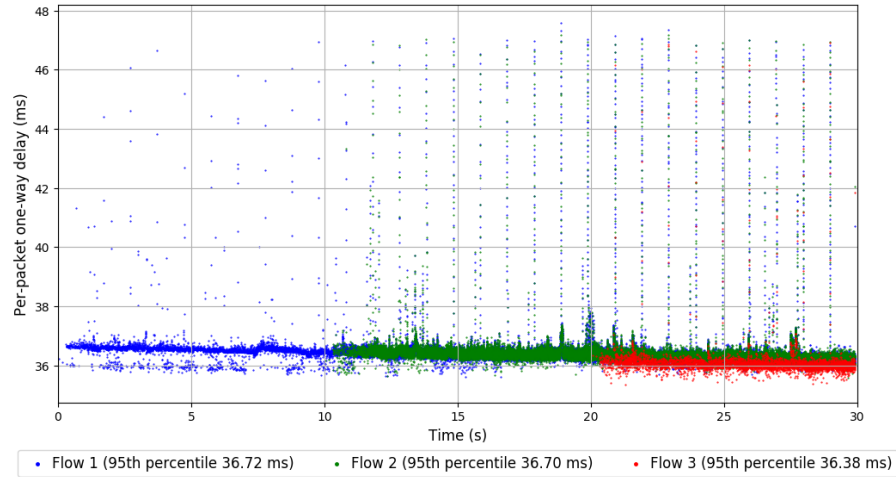
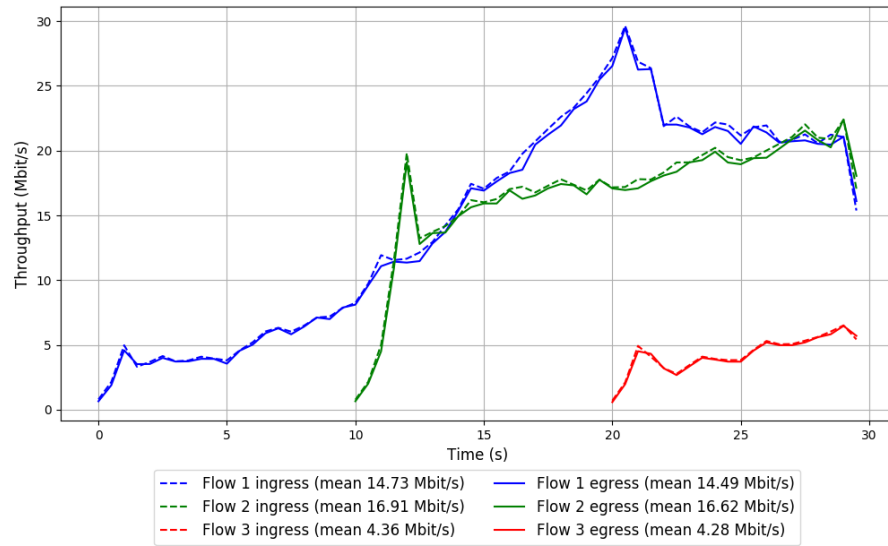
-- Flow 3:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 36.376 ms

Loss rate: 1.74%

Run 4: Report of Vivace-latency — Data Link

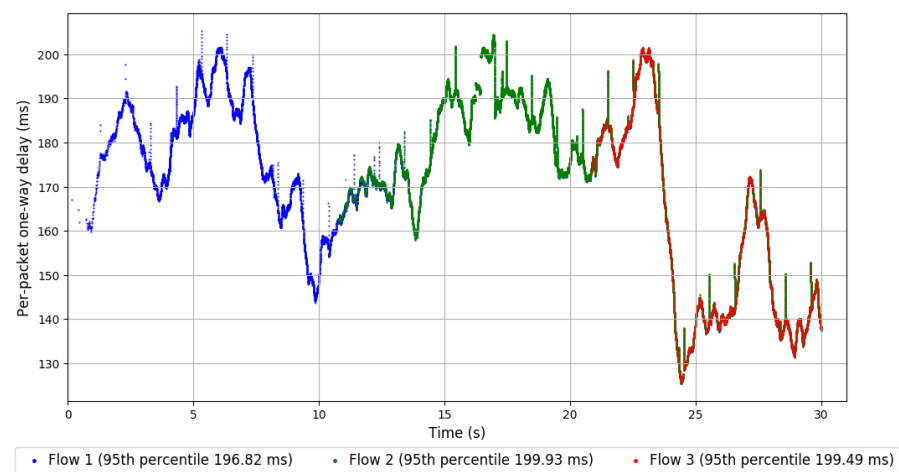
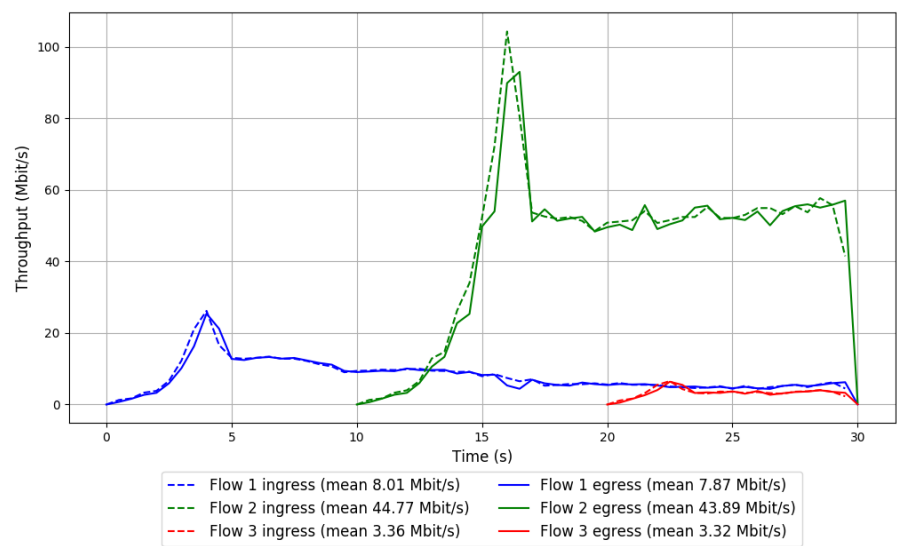


Run 5: Statistics of Vivace-latency

Start at: 2018-03-15 11:44:45
End at: 2018-03-15 11:45:15
Local clock offset: 3.178 ms
Remote clock offset: 14.895 ms

Below is generated by plot.py at 2018-03-15 14:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 199.699 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 196.817 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 199.932 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 199.488 ms
Loss rate: 1.60%

Run 5: Report of Vivace-latency — Data Link

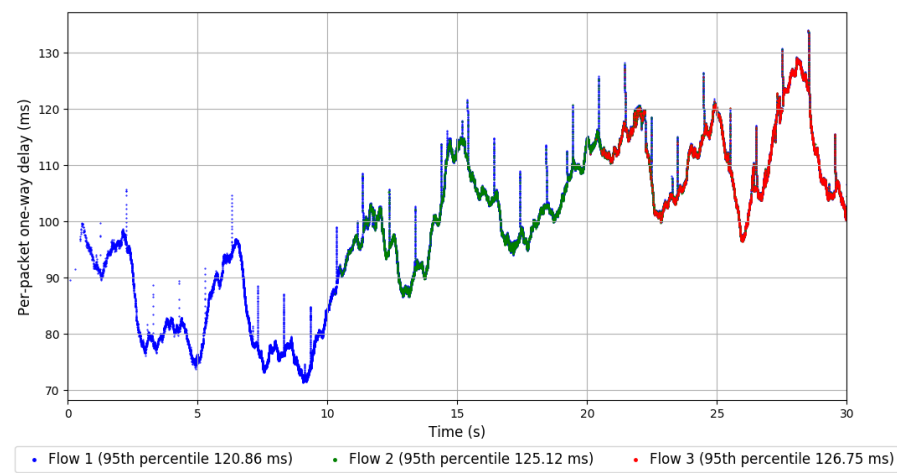
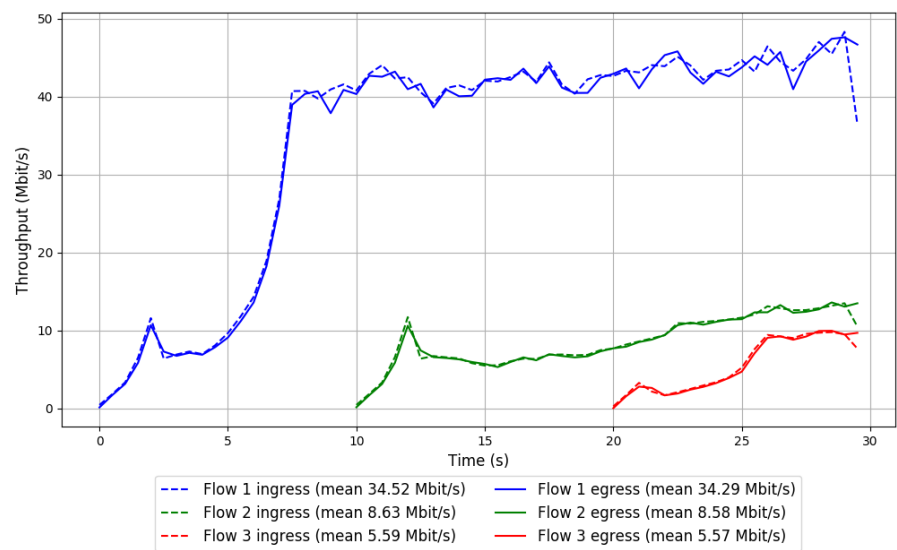


Run 6: Statistics of Vivace-latency

Start at: 2018-03-15 12:10:53
End at: 2018-03-15 12:11:23
Local clock offset: 2.404 ms
Remote clock offset: 49.139 ms

Below is generated by plot.py at 2018-03-15 14:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 123.304 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 120.855 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 125.119 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 126.753 ms
Loss rate: 0.55%

Run 6: Report of Vivace-latency — Data Link

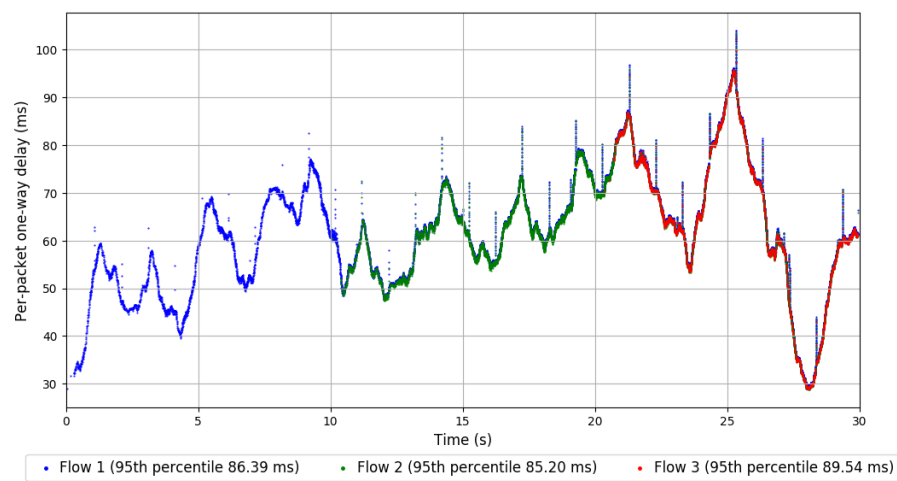
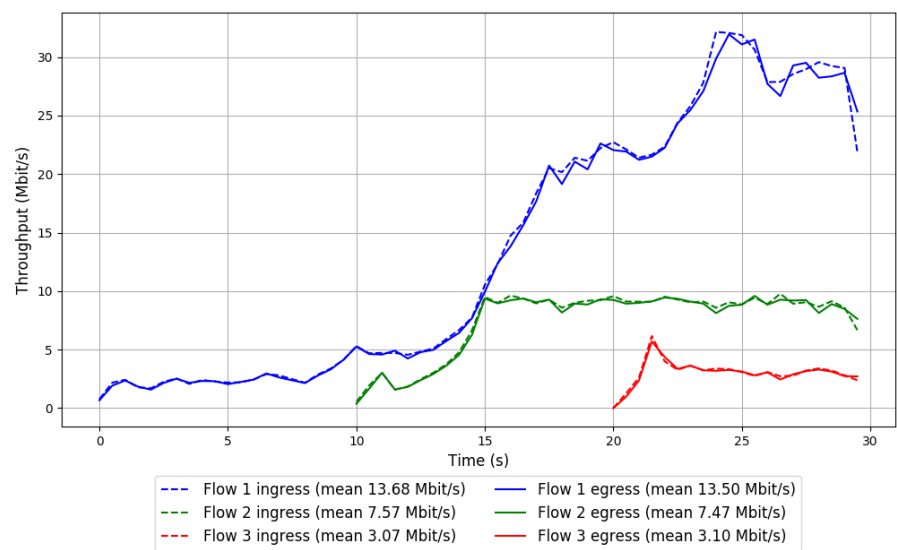


Run 7: Statistics of Vivace-latency

Start at: 2018-03-15 12:36:08
End at: 2018-03-15 12:36:39
Local clock offset: 4.234 ms
Remote clock offset: 46.911 ms

Below is generated by plot.py at 2018-03-15 14:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.45 Mbit/s
95th percentile per-packet one-way delay: 86.232 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 86.395 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 85.204 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 89.539 ms
Loss rate: 1.47%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-15 13:02:57

End at: 2018-03-15 13:03:27

Local clock offset: 5.301 ms

Remote clock offset: 54.48 ms

Below is generated by plot.py at 2018-03-15 14:45:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.35 Mbit/s

95th percentile per-packet one-way delay: 58.753 ms

Loss rate: 1.80%

-- Flow 1:

Average throughput: 17.25 Mbit/s

95th percentile per-packet one-way delay: 59.048 ms

Loss rate: 1.59%

-- Flow 2:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 58.595 ms

Loss rate: 1.86%

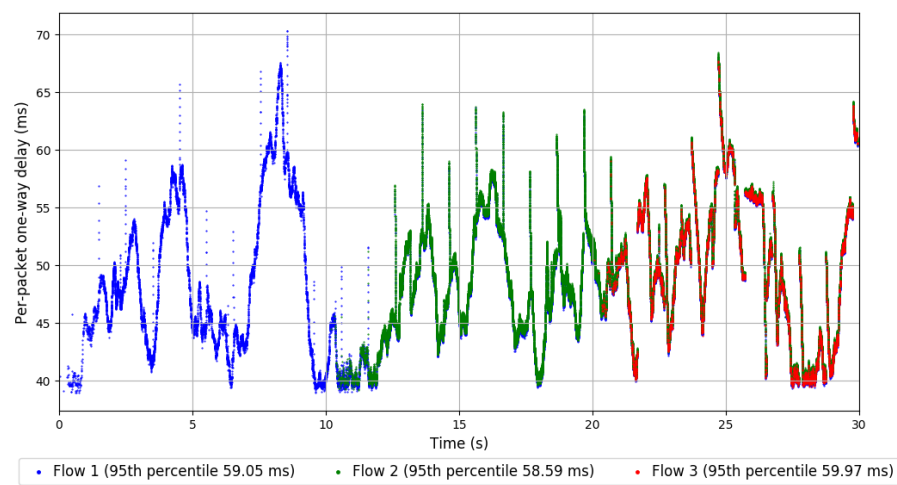
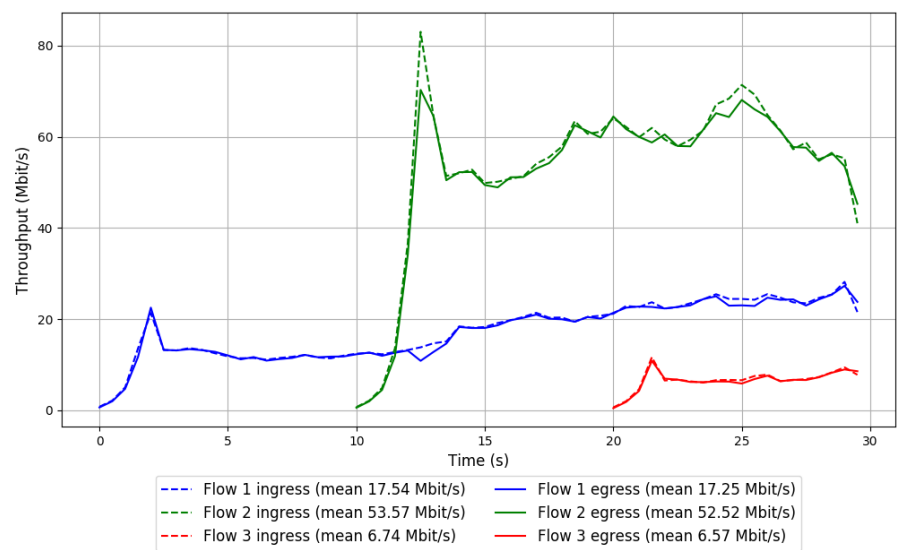
-- Flow 3:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 59.971 ms

Loss rate: 2.54%

Run 8: Report of Vivace-latency — Data Link

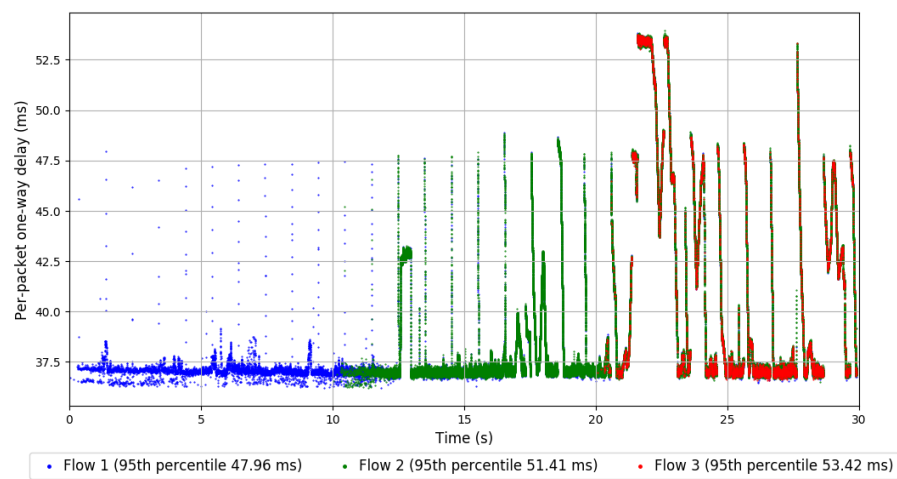
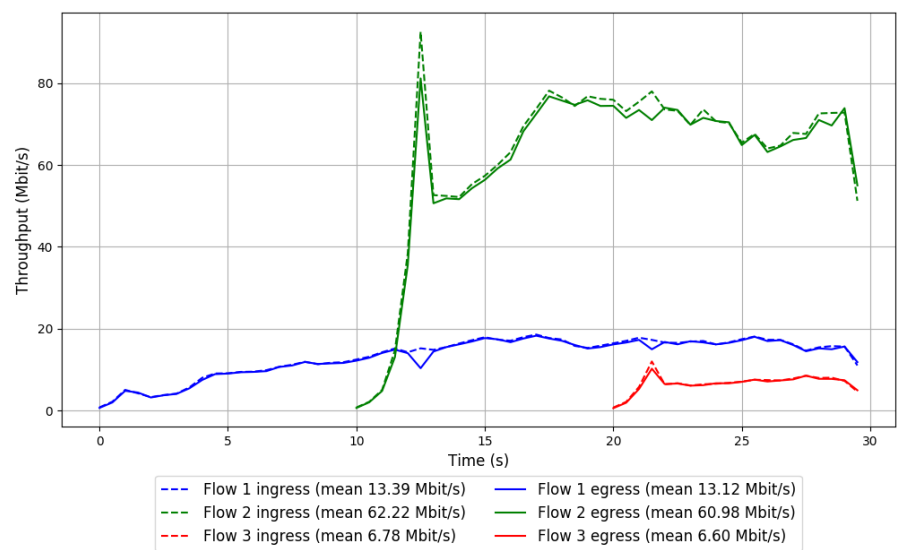


Run 9: Statistics of Vivace-latency

Start at: 2018-03-15 13:27:57
End at: 2018-03-15 13:28:27
Local clock offset: 3.302 ms
Remote clock offset: 50.717 ms

Below is generated by plot.py at 2018-03-15 14:45:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.84 Mbit/s
95th percentile per-packet one-way delay: 51.133 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 47.962 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 51.406 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 53.420 ms
Loss rate: 2.60%

Run 9: Report of Vivace-latency — Data Link

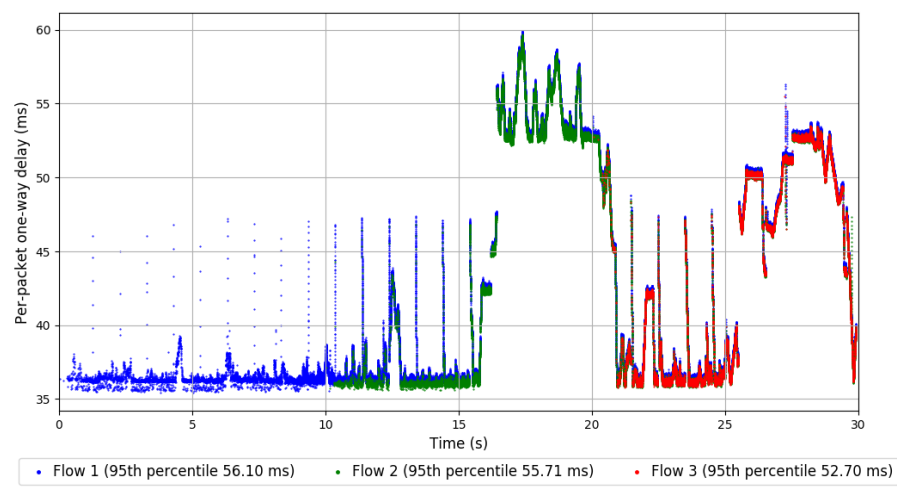
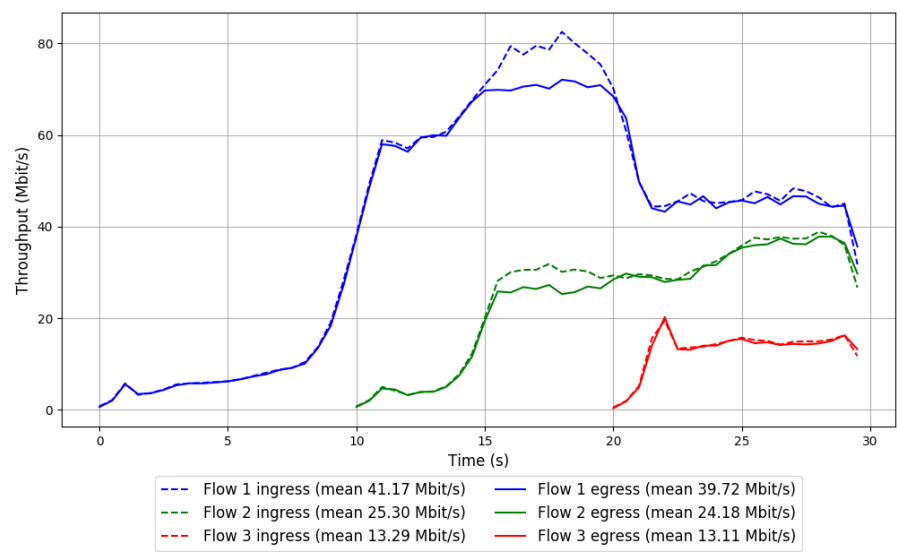


Run 10: Statistics of Vivace-latency

Start at: 2018-03-15 13:53:13
End at: 2018-03-15 13:53:43
Local clock offset: 0.563 ms
Remote clock offset: 50.698 ms

Below is generated by plot.py at 2018-03-15 14:45:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 55.857 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 56.102 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 55.713 ms
Loss rate: 4.40%
-- Flow 3:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 52.702 ms
Loss rate: 1.48%

Run 10: Report of Vivace-latency — Data Link

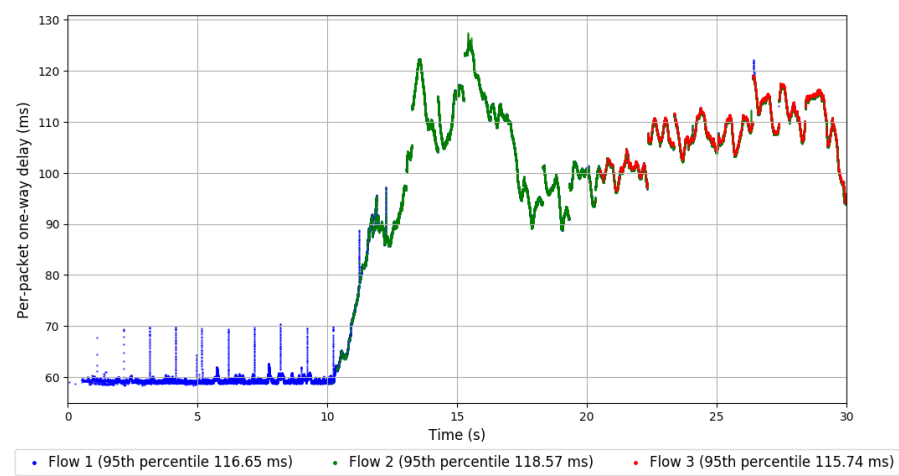
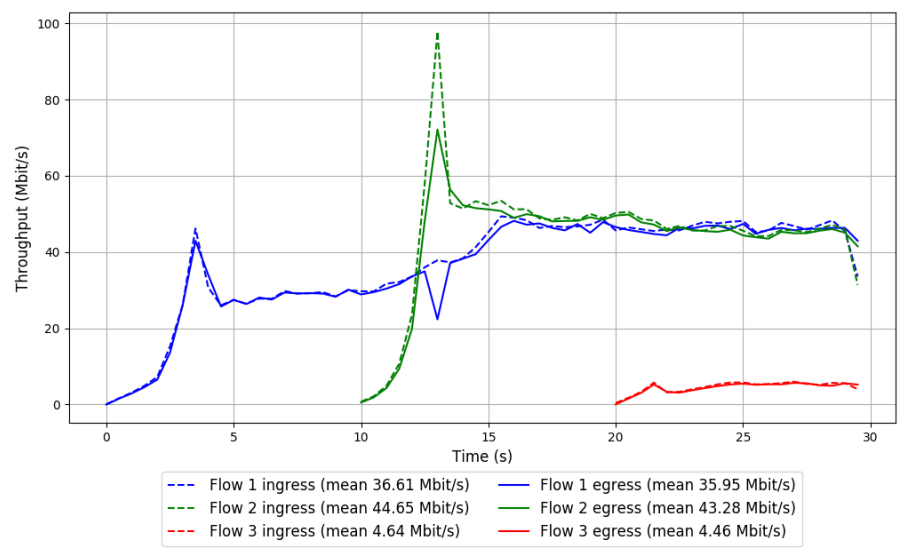


Run 1: Statistics of Vivace-loss

Start at: 2018-03-15 10:09:35
End at: 2018-03-15 10:10:05
Local clock offset: -0.275 ms
Remote clock offset: 58.281 ms

Below is generated by plot.py at 2018-03-15 14:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 117.041 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 116.653 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 118.568 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 115.739 ms
Loss rate: 3.84%

Run 1: Report of Vivace-loss — Data Link

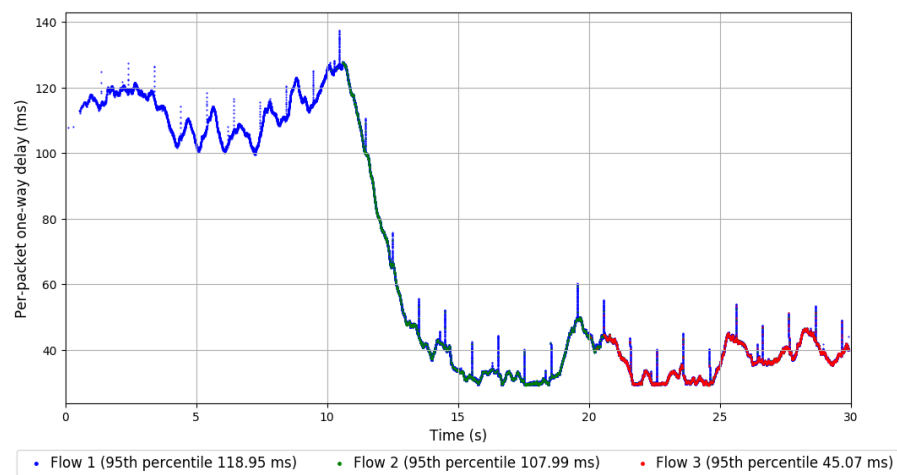
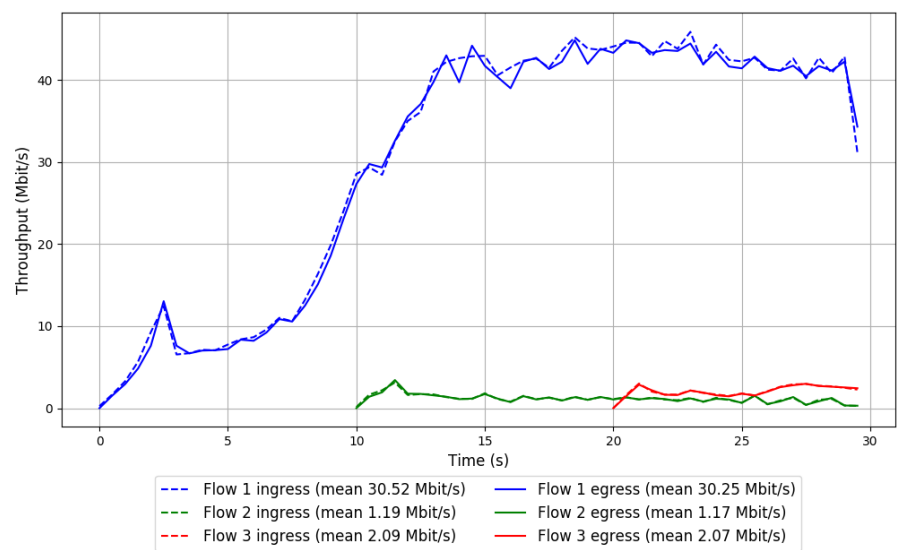


Run 2: Statistics of Vivace-loss

Start at: 2018-03-15 10:36:30
End at: 2018-03-15 10:37:00
Local clock offset: 2.516 ms
Remote clock offset: 35.506 ms

Below is generated by plot.py at 2018-03-15 14:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 118.722 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 118.953 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 107.986 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 45.070 ms
Loss rate: 0.91%

Run 2: Report of Vivace-loss — Data Link

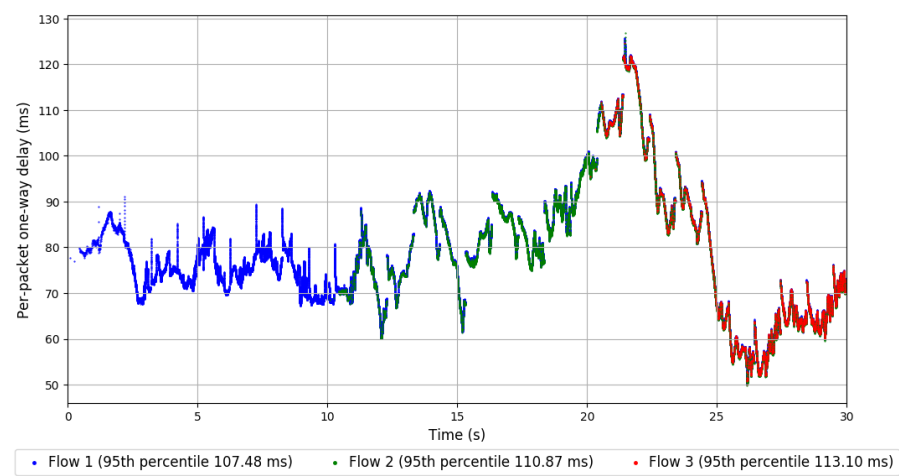
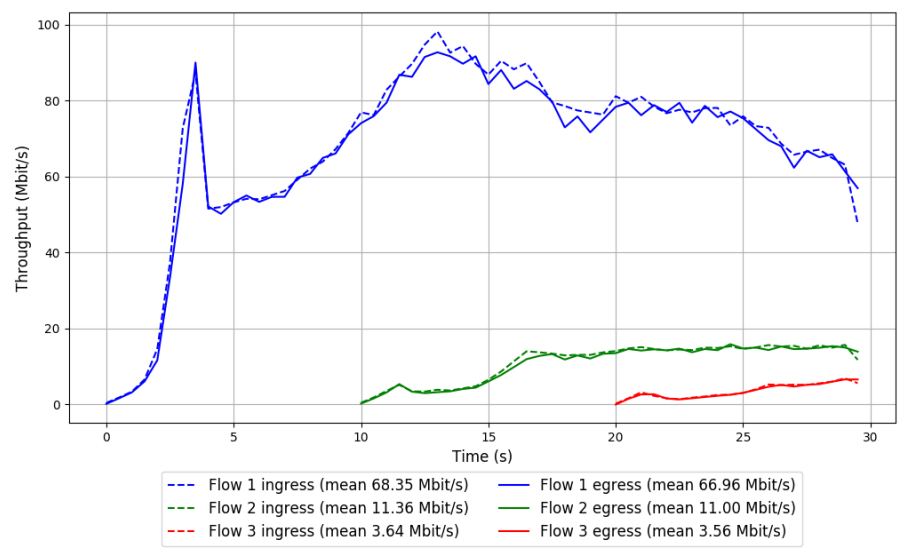


Run 3: Statistics of Vivace-loss

Start at: 2018-03-15 11:03:34
End at: 2018-03-15 11:04:04
Local clock offset: 6.488 ms
Remote clock offset: 26.579 ms

Below is generated by plot.py at 2018-03-15 14:45:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 107.881 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 66.96 Mbit/s
95th percentile per-packet one-way delay: 107.477 ms
Loss rate: 2.06%
-- Flow 2:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 110.874 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 113.096 ms
Loss rate: 2.56%

Run 3: Report of Vivace-loss — Data Link

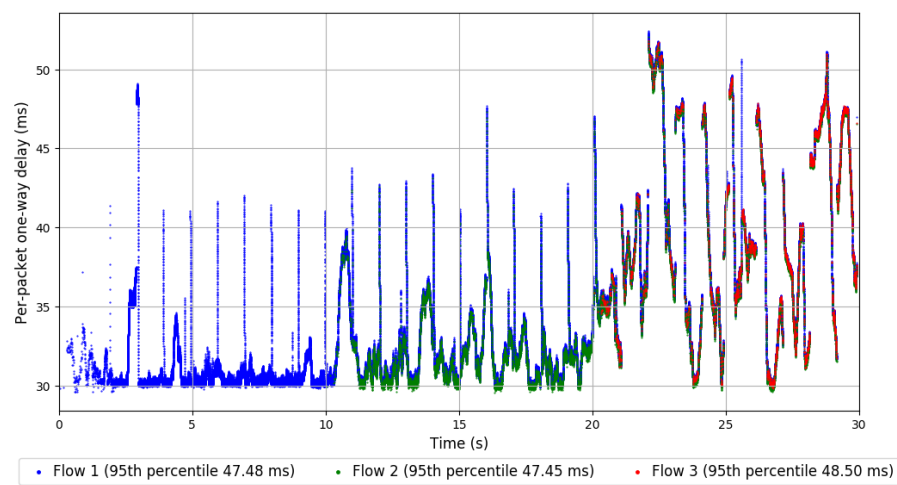
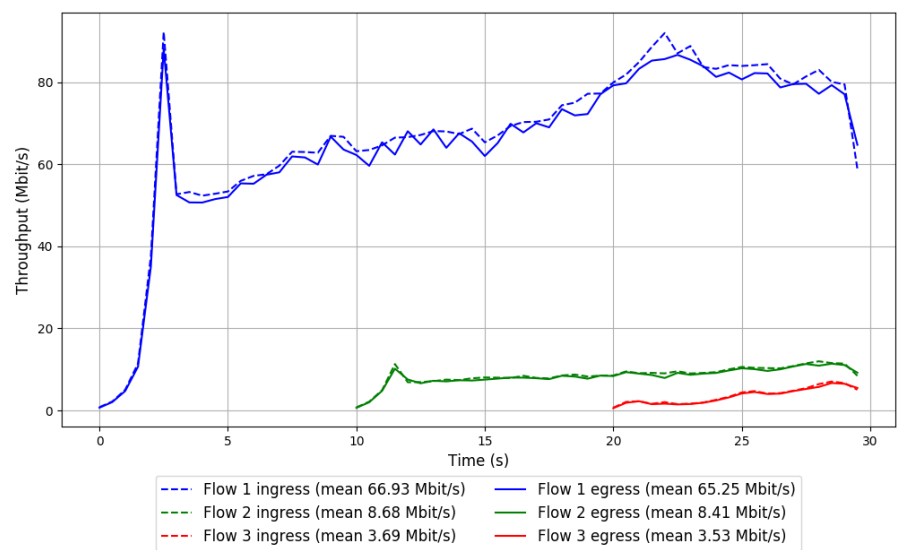


Run 4: Statistics of Vivace-loss

Start at: 2018-03-15 11:28:43
End at: 2018-03-15 11:29:13
Local clock offset: 10.127 ms
Remote clock offset: 47.937 ms

Below is generated by plot.py at 2018-03-15 14:45:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.00 Mbit/s
95th percentile per-packet one-way delay: 47.495 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 65.25 Mbit/s
95th percentile per-packet one-way delay: 47.479 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 47.453 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 48.499 ms
Loss rate: 4.23%

Run 4: Report of Vivace-loss — Data Link

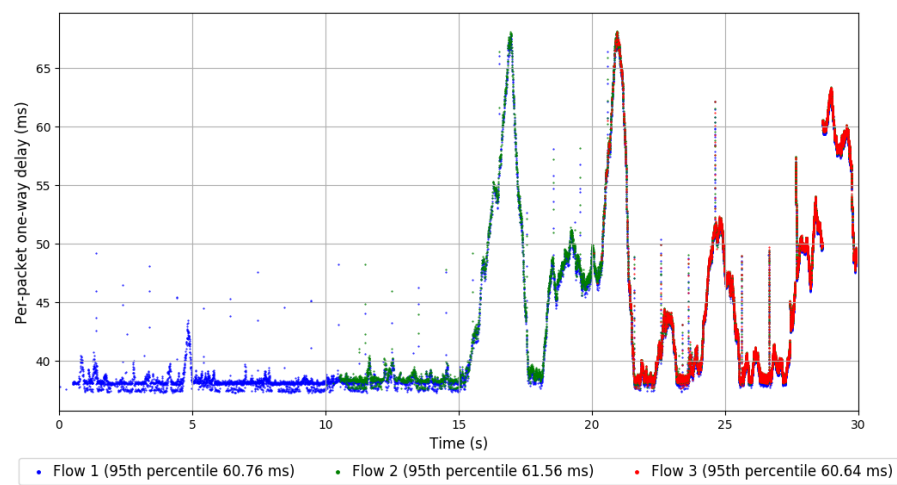
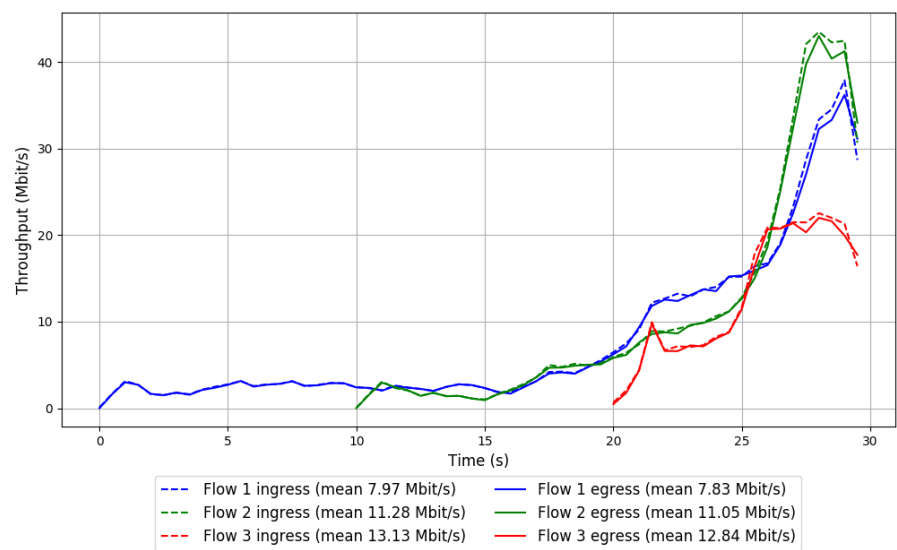


Run 5: Statistics of Vivace-loss

Start at: 2018-03-15 11:55:00
End at: 2018-03-15 11:55:30
Local clock offset: 1.37 ms
Remote clock offset: 53.366 ms

Below is generated by plot.py at 2018-03-15 14:45:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.41 Mbit/s
95th percentile per-packet one-way delay: 61.045 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 60.757 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 61.562 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 60.641 ms
Loss rate: 2.22%

Run 5: Report of Vivace-loss — Data Link

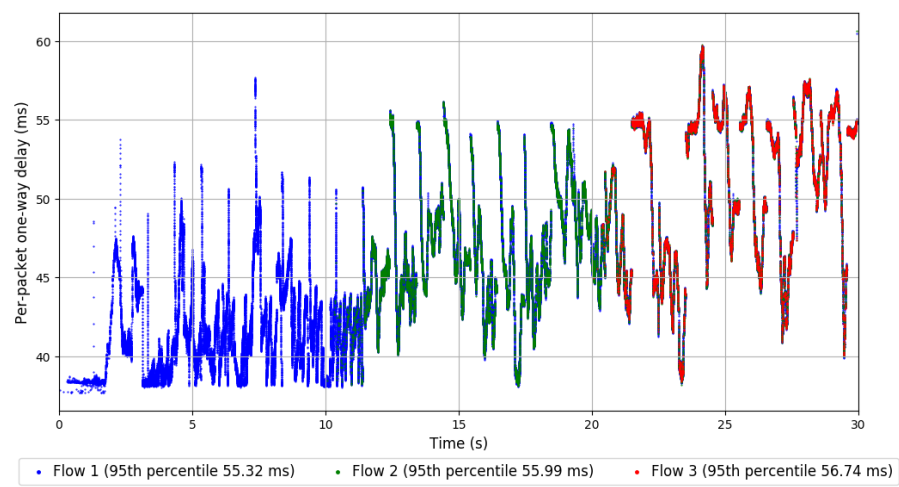
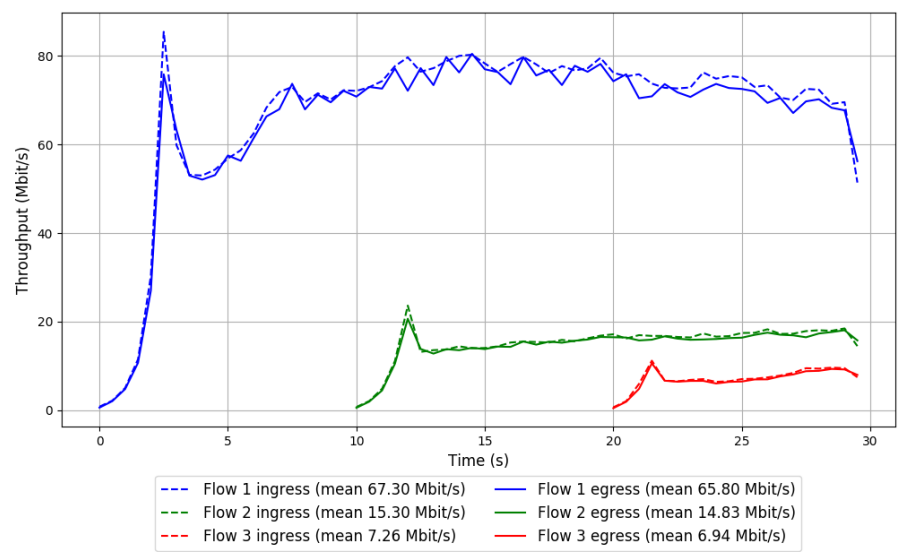


Run 6: Statistics of Vivace-loss

Start at: 2018-03-15 12:20:40
End at: 2018-03-15 12:21:10
Local clock offset: 3.487 ms
Remote clock offset: 52.537 ms

Below is generated by plot.py at 2018-03-15 14:46:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.95 Mbit/s
95th percentile per-packet one-way delay: 55.498 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 65.80 Mbit/s
95th percentile per-packet one-way delay: 55.324 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 14.83 Mbit/s
95th percentile per-packet one-way delay: 55.986 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 56.738 ms
Loss rate: 4.33%

Run 6: Report of Vivace-loss — Data Link

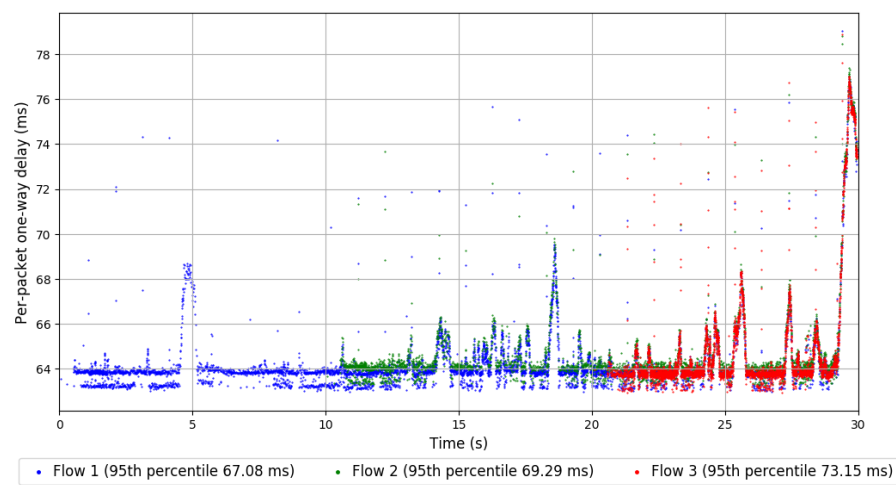
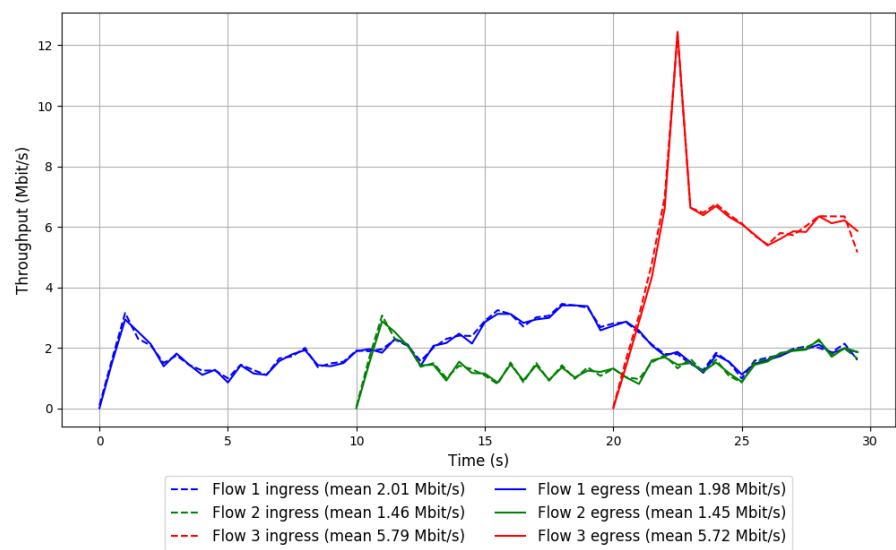


Run 7: Statistics of Vivace-loss

Start at: 2018-03-15 12:47:05
End at: 2018-03-15 12:47:35
Local clock offset: 5.088 ms
Remote clock offset: 83.631 ms

Below is generated by plot.py at 2018-03-15 14:46:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 68.547 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 67.077 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 69.290 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 73.153 ms
Loss rate: 1.21%

Run 7: Report of Vivace-loss — Data Link

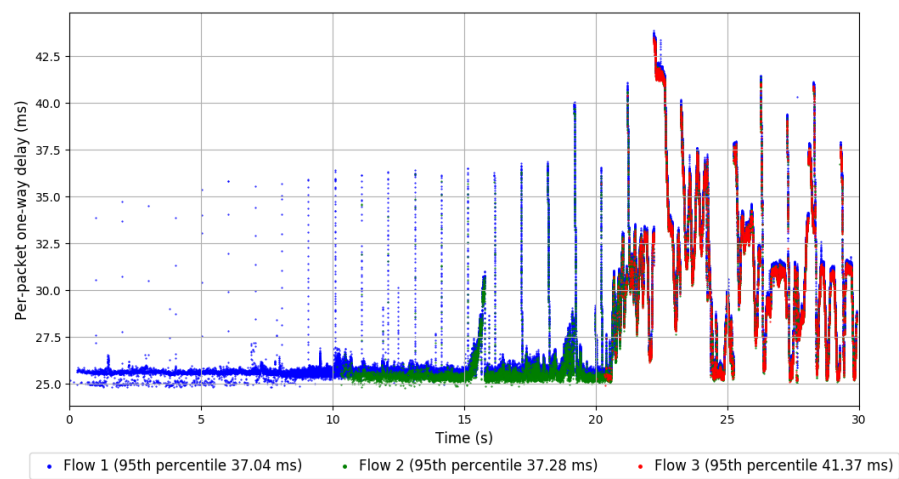
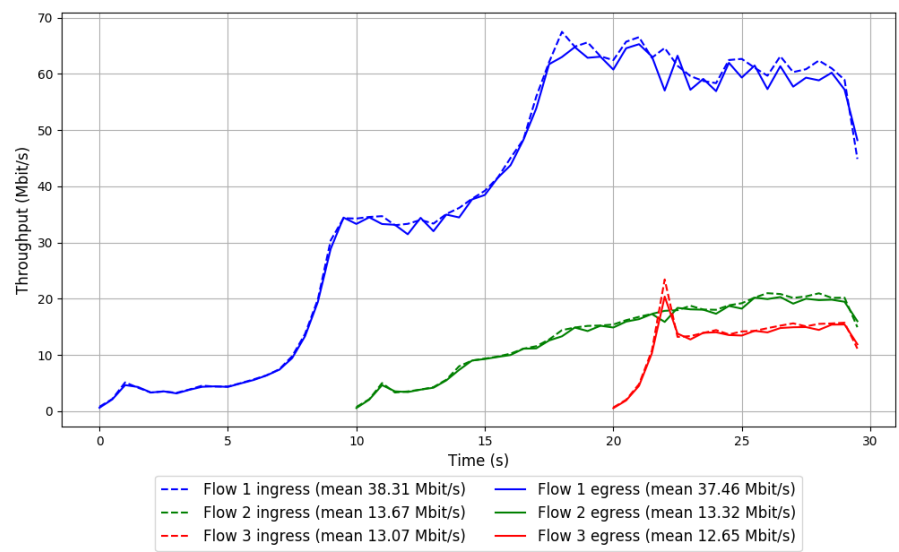


Run 8: Statistics of Vivace-loss

Start at: 2018-03-15 13:12:25
End at: 2018-03-15 13:12:55
Local clock offset: 5.865 ms
Remote clock offset: 39.297 ms

Below is generated by plot.py at 2018-03-15 14:46:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 37.318 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 37.037 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 37.285 ms
Loss rate: 2.55%
-- Flow 3:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 41.374 ms
Loss rate: 3.14%

Run 8: Report of Vivace-loss — Data Link

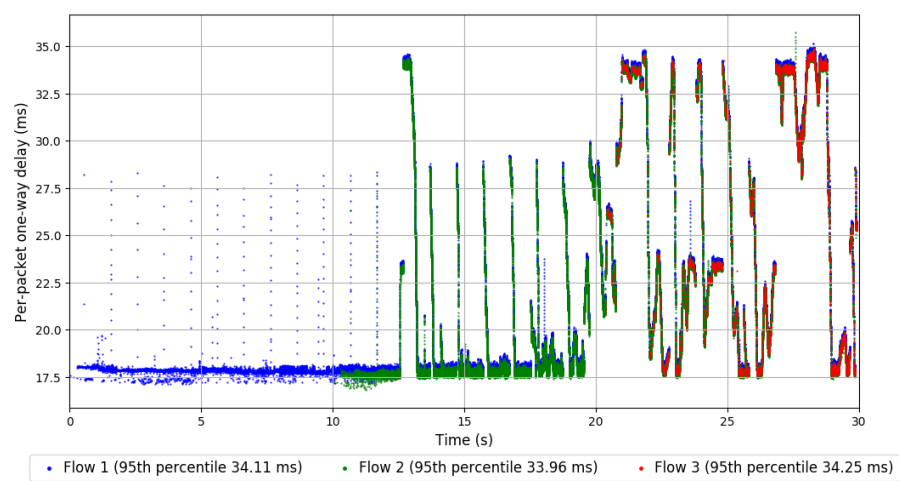
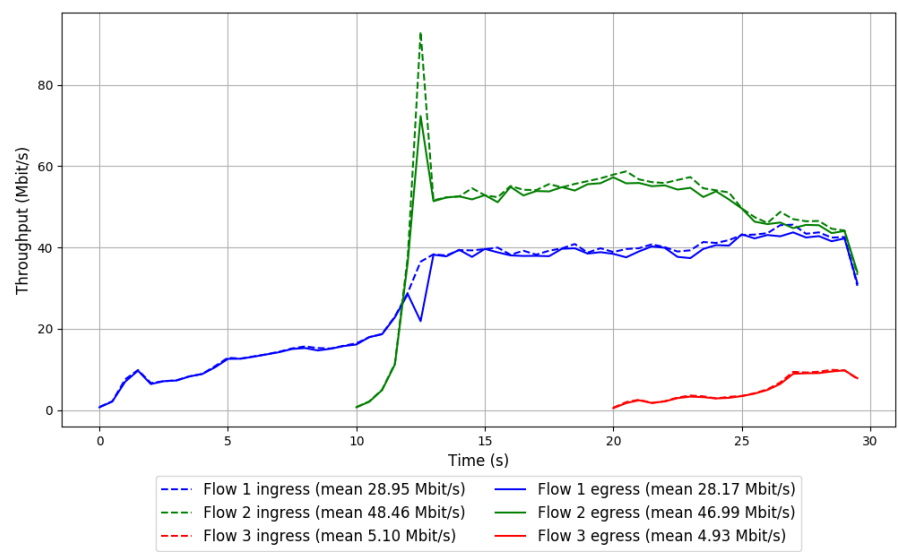


Run 9: Statistics of Vivace-loss

Start at: 2018-03-15 13:37:35
End at: 2018-03-15 13:38:05
Local clock offset: 2.153 ms
Remote clock offset: 32.897 ms

Below is generated by plot.py at 2018-03-15 14:46:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 34.044 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 28.17 Mbit/s
95th percentile per-packet one-way delay: 34.110 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: 33.962 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 4.93 Mbit/s
95th percentile per-packet one-way delay: 34.250 ms
Loss rate: 3.39%

Run 9: Report of Vivace-loss — Data Link

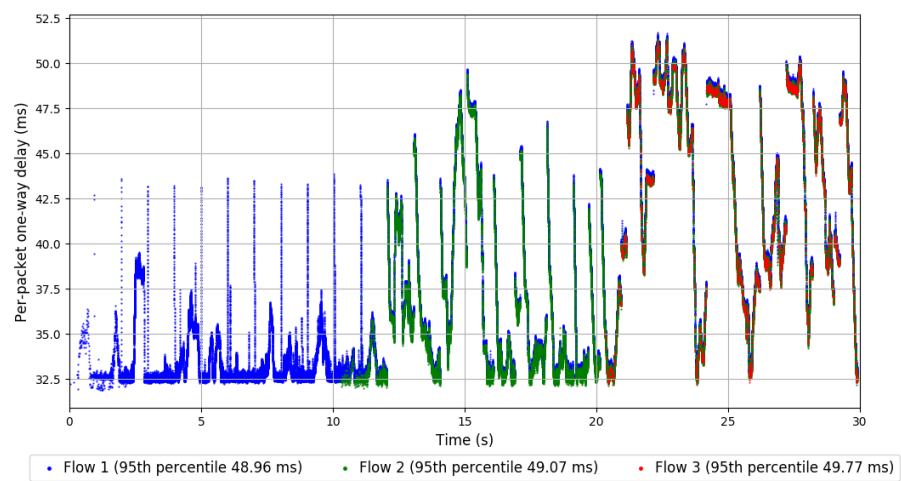
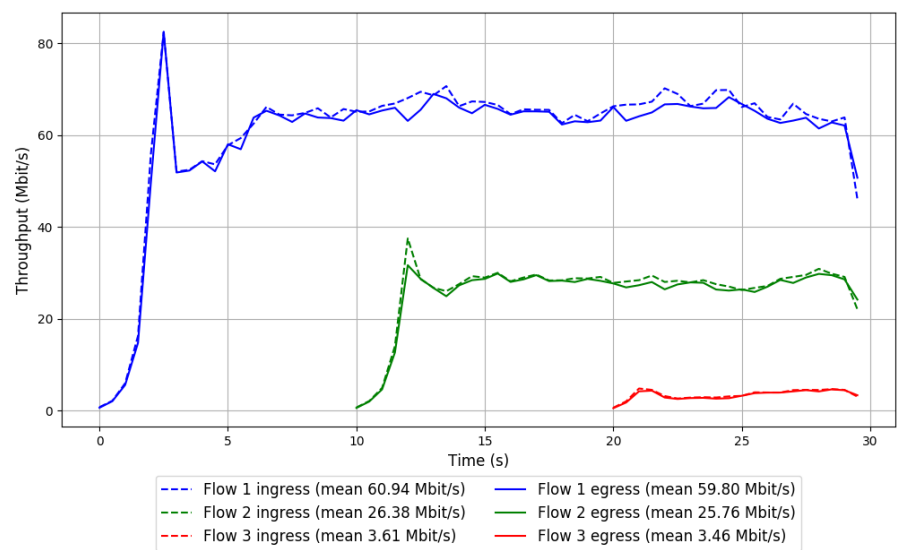


Run 10: Statistics of Vivace-loss

Start at: 2018-03-15 14:02:22
End at: 2018-03-15 14:02:52
Local clock offset: 3.725 ms
Remote clock offset: 50.154 ms

Below is generated by plot.py at 2018-03-15 14:46:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 48.990 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 48.956 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 49.066 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 49.771 ms
Loss rate: 4.41%

Run 10: Report of Vivace-loss — Data Link

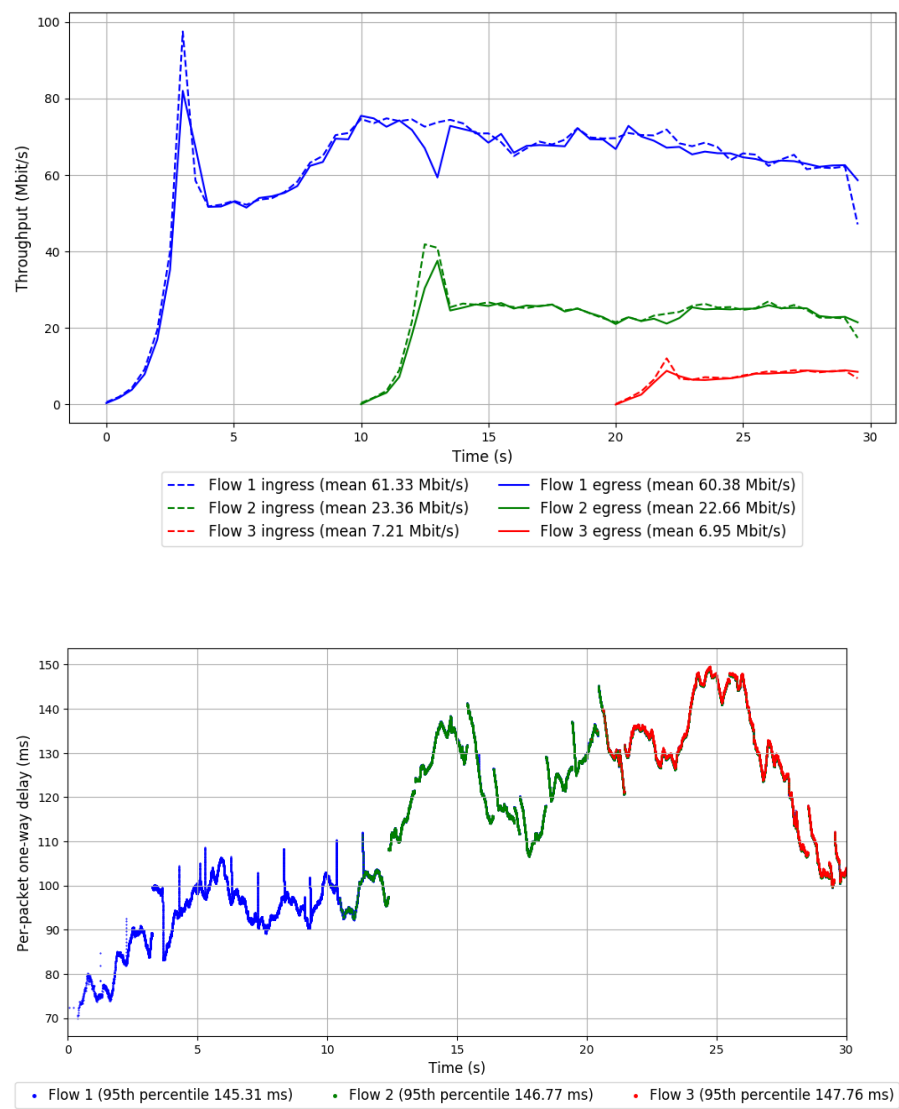


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-15 09:48:43
End at: 2018-03-15 09:49:13
Local clock offset: 3.504 ms
Remote clock offset: 46.201 ms

Below is generated by plot.py at 2018-03-15 14:46:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 145.808 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 145.313 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 146.770 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 147.760 ms
Loss rate: 3.91%

Run 1: Report of Vivace-LTE — Data Link

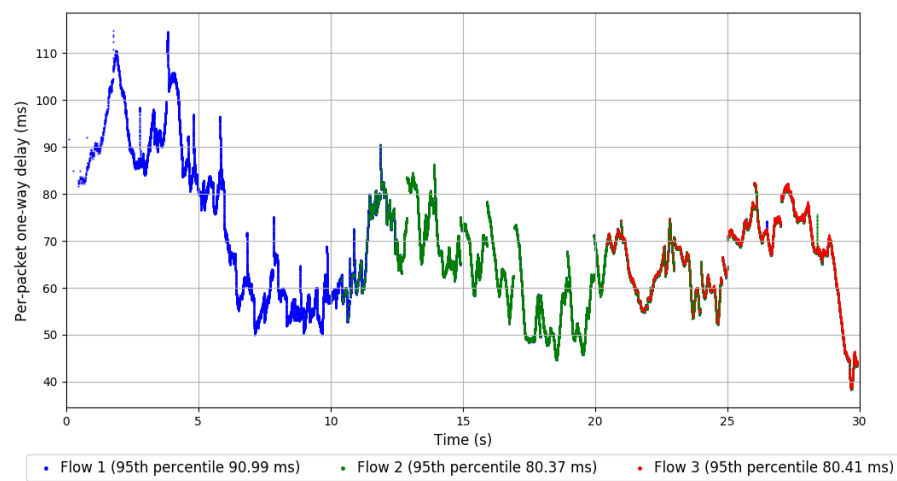
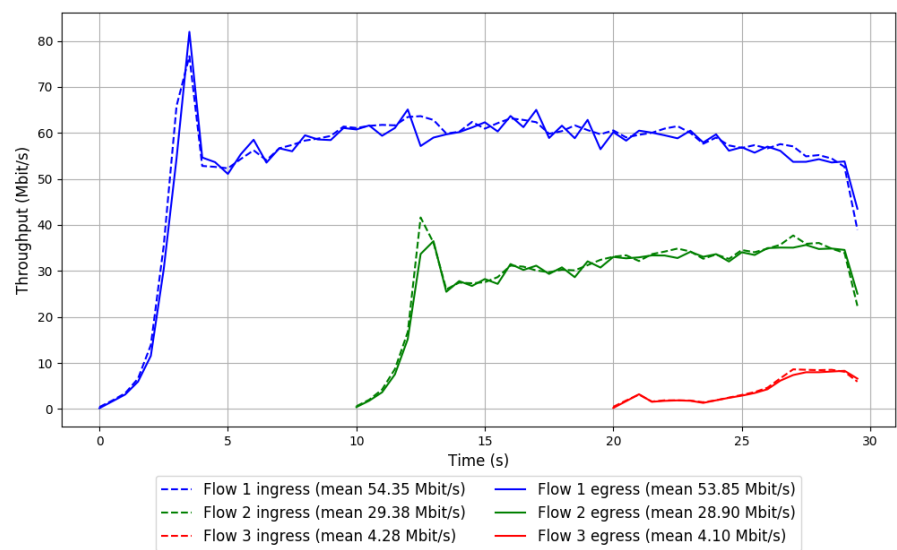


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-15 10:16:40
End at: 2018-03-15 10:17:10
Local clock offset: -0.798 ms
Remote clock offset: 36.645 ms

Below is generated by plot.py at 2018-03-15 14:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.43 Mbit/s
95th percentile per-packet one-way delay: 86.857 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 90.987 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 80.369 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 80.407 ms
Loss rate: 4.37%

Run 2: Report of Vivace-LTE — Data Link

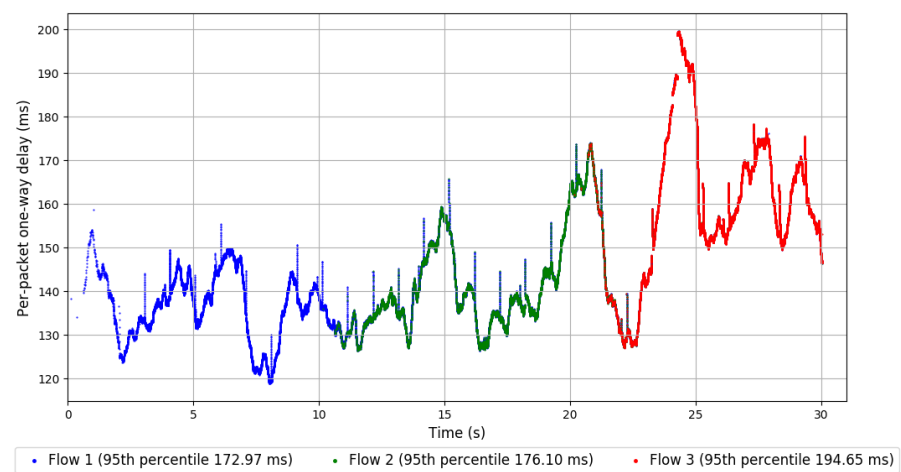
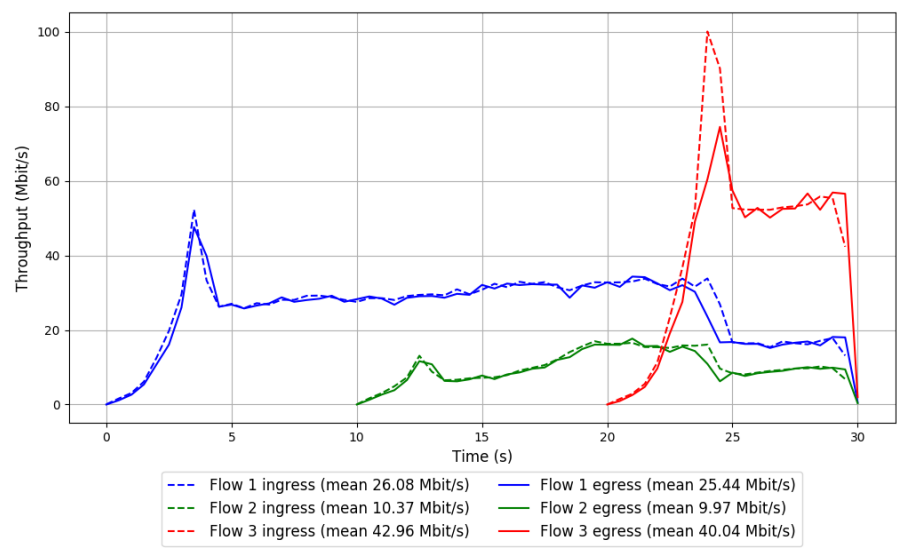


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-15 10:44:07
End at: 2018-03-15 10:44:37
Local clock offset: 3.347 ms
Remote clock offset: 30.314 ms

Below is generated by plot.py at 2018-03-15 14:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 188.496 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 25.44 Mbit/s
95th percentile per-packet one-way delay: 172.969 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 176.103 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 194.647 ms
Loss rate: 6.88%

Run 3: Report of Vivace-LTE — Data Link

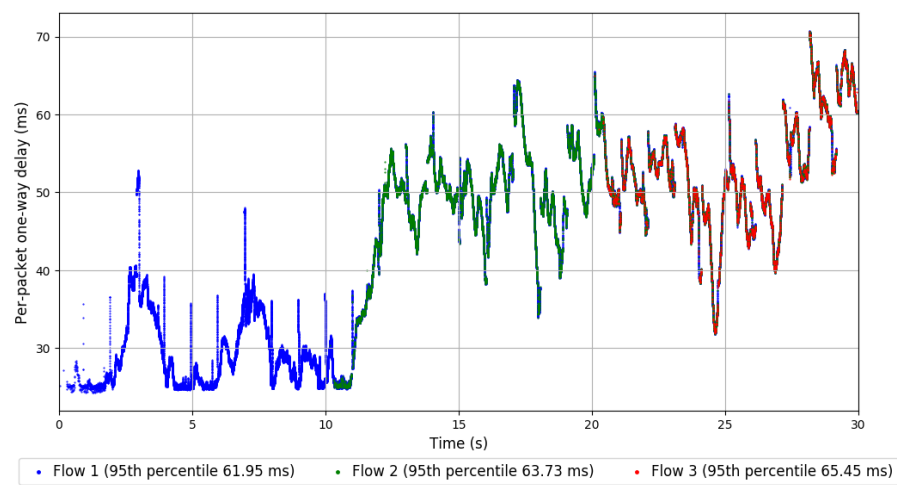
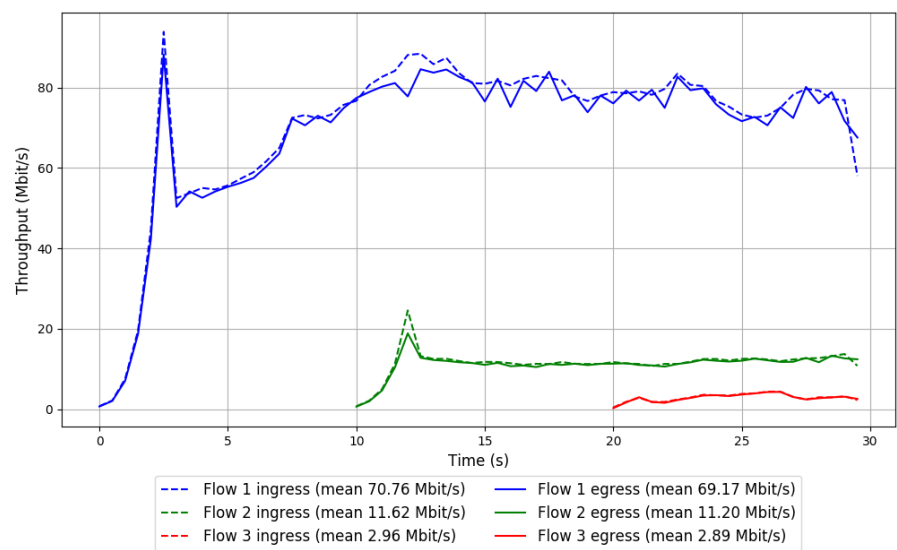


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-15 11:10:03
End at: 2018-03-15 11:10:33
Local clock offset: 7.777 ms
Remote clock offset: 25.171 ms

Below is generated by plot.py at 2018-03-15 14:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.57 Mbit/s
95th percentile per-packet one-way delay: 62.211 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 61.954 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 63.731 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 65.454 ms
Loss rate: 2.25%

Run 4: Report of Vivace-LTE — Data Link

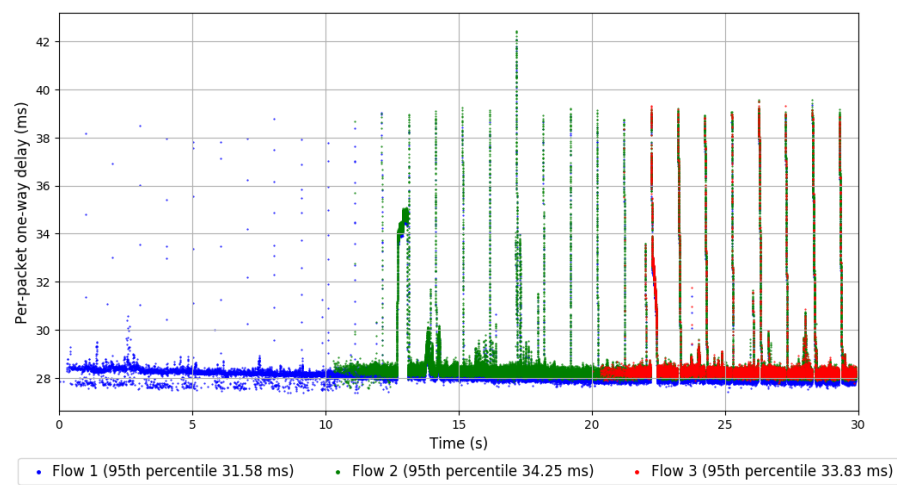
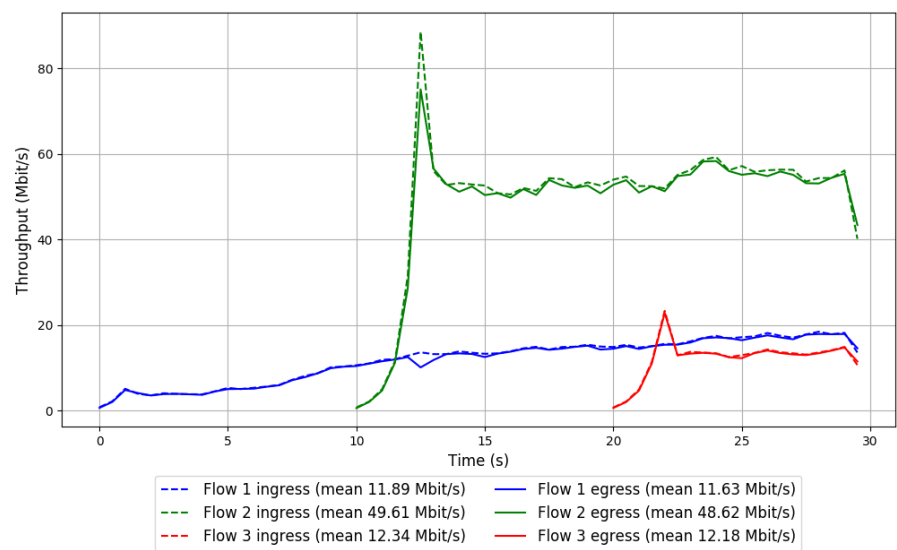


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-15 11:35:09
End at: 2018-03-15 11:35:39
Local clock offset: 6.08 ms
Remote clock offset: 48.764 ms

Below is generated by plot.py at 2018-03-15 14:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 34.075 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 34.252 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 33.831 ms
Loss rate: 1.28%

Run 5: Report of Vivace-LTE — Data Link

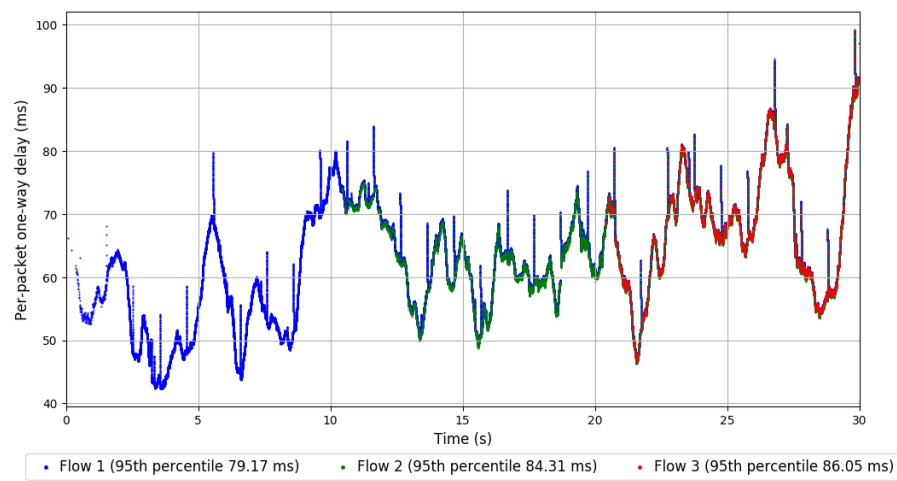
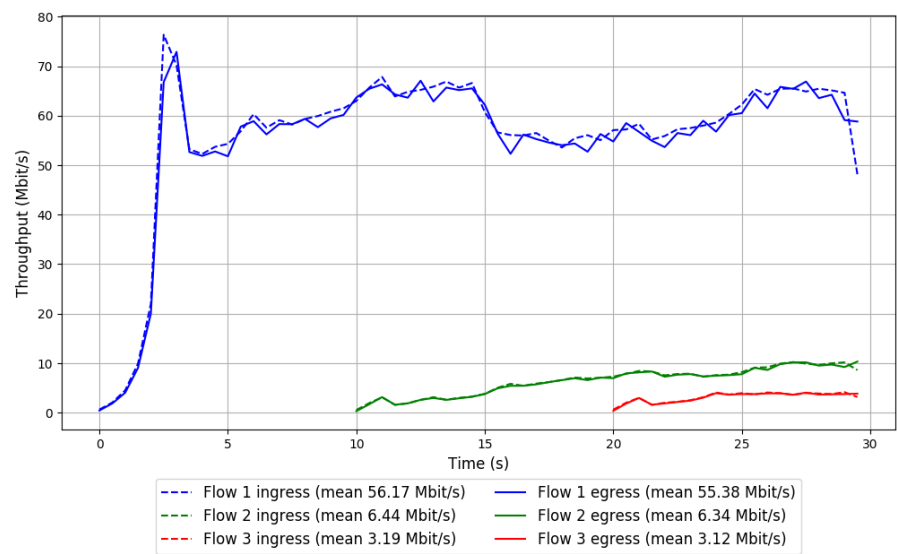


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-15 12:01:23
End at: 2018-03-15 12:01:53
Local clock offset: -1.934 ms
Remote clock offset: 53.381 ms

Below is generated by plot.py at 2018-03-15 14:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 79.670 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 79.175 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 84.312 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 86.053 ms
Loss rate: 1.69%

Run 6: Report of Vivace-LTE — Data Link

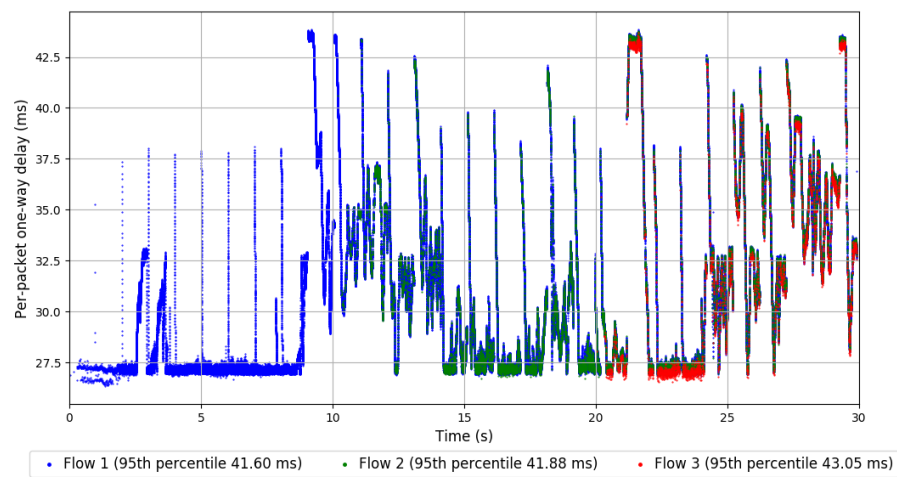
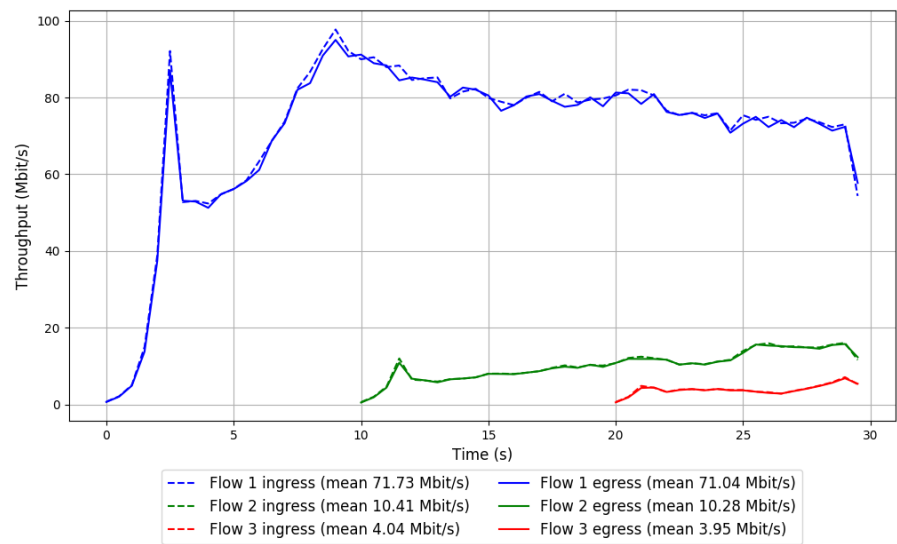


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-15 12:27:02
End at: 2018-03-15 12:27:32
Local clock offset: 4.165 ms
Remote clock offset: 43.286 ms

Below is generated by plot.py at 2018-03-15 14:47:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.18 Mbit/s
95th percentile per-packet one-way delay: 41.718 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 71.04 Mbit/s
95th percentile per-packet one-way delay: 41.597 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 41.883 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 43.054 ms
Loss rate: 2.11%

Run 7: Report of Vivace-LTE — Data Link

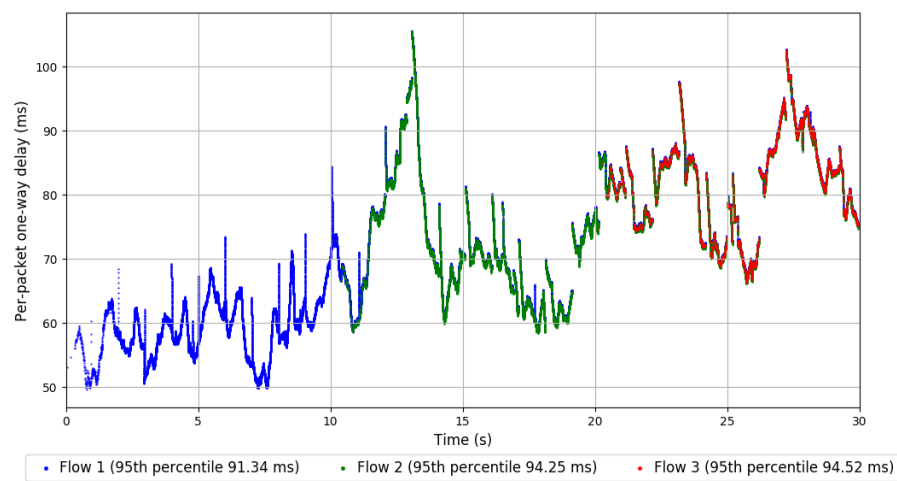
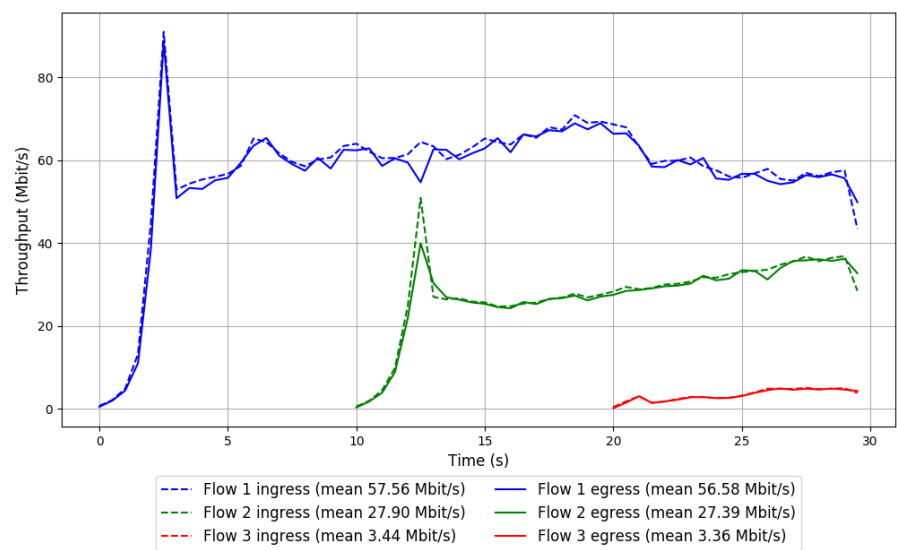


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-15 12:53:53
End at: 2018-03-15 12:54:23
Local clock offset: 5.268 ms
Remote clock offset: 69.265 ms

Below is generated by plot.py at 2018-03-15 14:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.88 Mbit/s
95th percentile per-packet one-way delay: 92.288 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 91.342 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 27.39 Mbit/s
95th percentile per-packet one-way delay: 94.246 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 94.523 ms
Loss rate: 2.42%

Run 8: Report of Vivace-LTE — Data Link

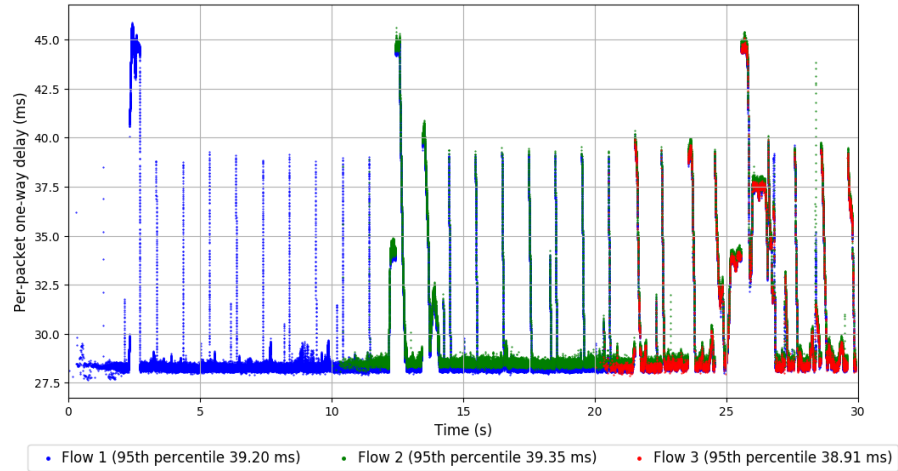
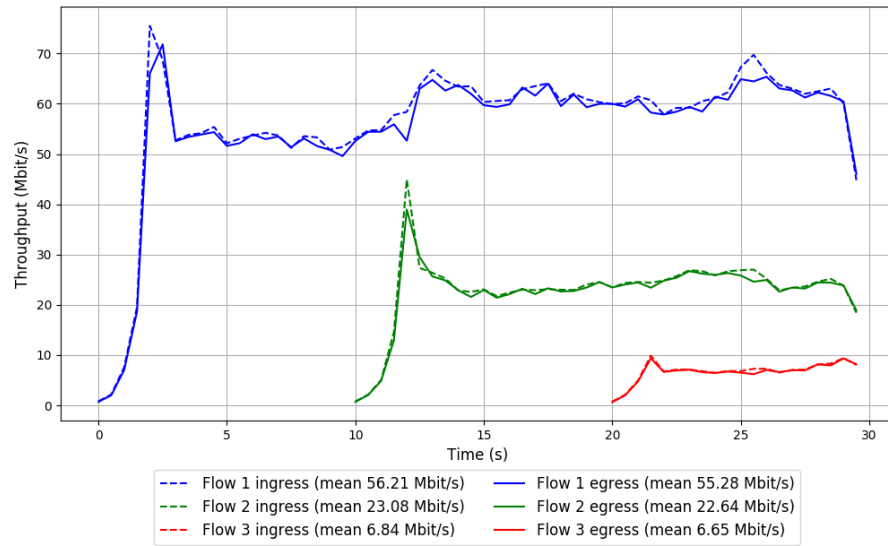


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-15 13:18:55
End at: 2018-03-15 13:19:25
Local clock offset: 4.249 ms
Remote clock offset: 41.835 ms

Below is generated by plot.py at 2018-03-15 14:47:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.52 Mbit/s
95th percentile per-packet one-way delay: 39.228 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 39.201 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 22.64 Mbit/s
95th percentile per-packet one-way delay: 39.350 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 38.907 ms
Loss rate: 2.68%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-15 13:44:14
End at: 2018-03-15 13:44:44
Local clock offset: 2.492 ms
Remote clock offset: 52.382 ms

Below is generated by plot.py at 2018-03-15 14:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.38 Mbit/s
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 51.977 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 52.480 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 52.467 ms
Loss rate: 3.72%

Run 10: Report of Vivace-LTE — Data Link

