

Pantheon Report

Generated at 2018-04-11 03:58:03 (UTC).

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

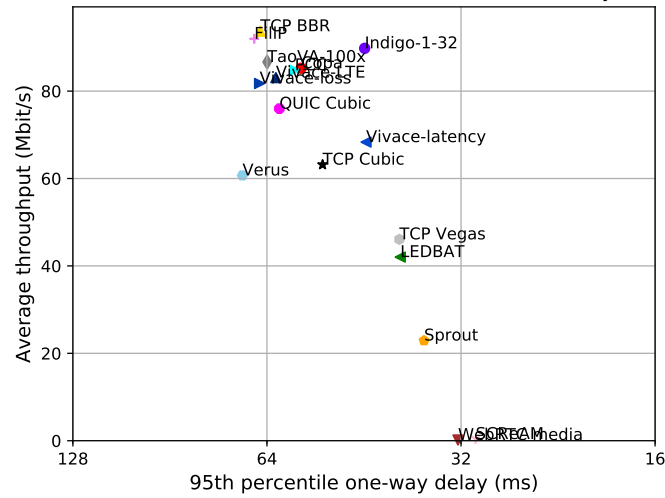
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

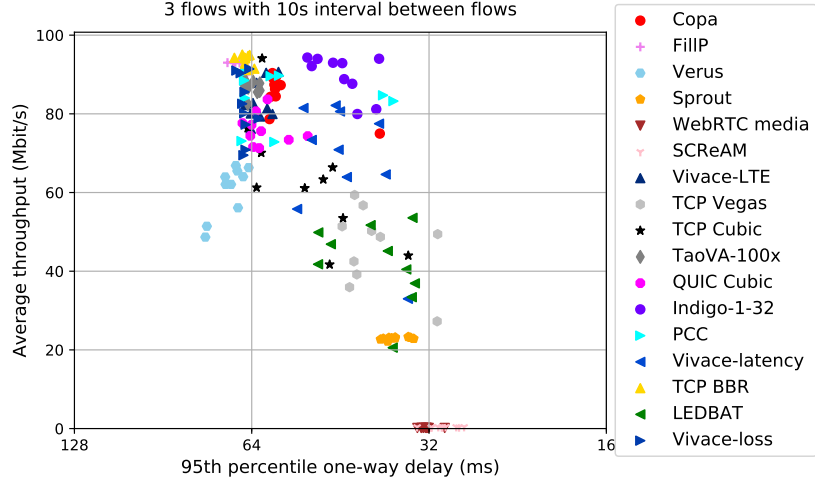
Git summary:

```
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



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



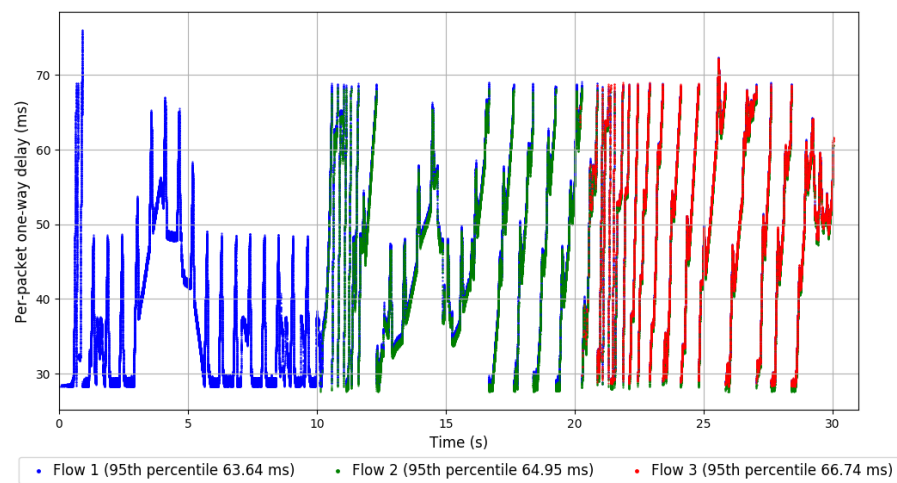
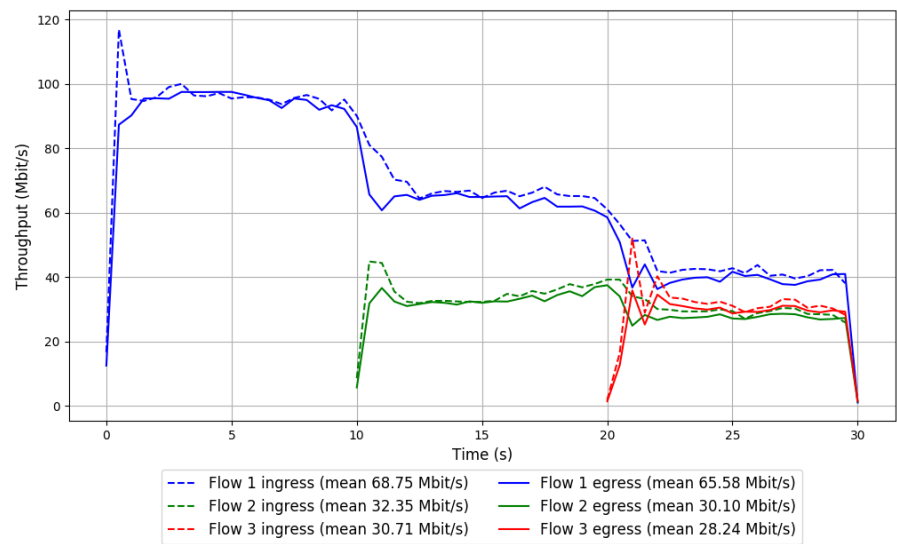
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	56.97	39.48	31.51	64.06	66.66	66.68	5.46	8.56	8.54
TCP Cubic	10	30.78	31.34	34.71	51.46	51.06	49.01	0.44	0.60	0.63
LEDBAT	10	24.94	18.11	15.17	38.98	39.90	39.64	0.14	0.16	0.20
PCC	10	69.60	19.24	7.23	57.54	59.09	60.75	1.84	2.05	1.84
QUIC Cubic	10	41.28	38.94	26.87	58.24	61.75	60.32	1.12	1.29	0.66
SCReAM	10	0.18	0.20	0.20	30.33	30.17	30.21	0.14	0.11	0.29
WebRTC media	10	0.06	0.06	0.05	32.70	32.01	32.82	0.01	0.03	0.02
Sprout	10	11.55	11.48	11.32	36.32	36.51	36.89	0.32	0.28	0.29
TaoVA-100x	10	51.25	39.04	28.38	61.37	65.03	66.55	12.09	21.07	18.75
TCP Vegas	10	20.59	25.23	26.17	37.66	43.26	35.25	0.91	0.96	0.63
Verus	10	37.76	25.85	20.18	68.89	69.49	65.37	39.29	43.49	32.78
Copa	10	78.31	9.52	2.50	56.52	52.12	51.50	78.10	60.92	64.81
FillP	10	52.02	38.45	43.56	63.97	68.34	66.18	13.33	23.16	21.85
Indigo-1-32	10	58.67	33.30	27.70	42.97	46.63	49.95	0.45	0.65	0.64
Vivace-latency	10	48.34	24.81	10.64	42.41	48.32	47.38	0.41	0.46	0.47
Vivace-loss	10	59.74	23.86	18.75	65.42	66.24	65.15	6.01	6.70	7.11
Vivace-LTE	10	62.97	24.71	11.21	61.40	62.72	62.98	2.38	2.37	2.58

Run 1: Statistics of TCP BBR

Start at: 2018-04-10 22:34:58
End at: 2018-04-10 22:35:28
Local clock offset: 0.51 ms
Remote clock offset: -5.643 ms

Below is generated by plot.py at 2018-04-11 03:28:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 64.527 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 65.58 Mbit/s
95th percentile per-packet one-way delay: 63.639 ms
Loss rate: 4.53%
-- Flow 2:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 64.947 ms
Loss rate: 6.86%
-- Flow 3:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 66.739 ms
Loss rate: 8.07%

Run 1: Report of TCP BBR — Data Link

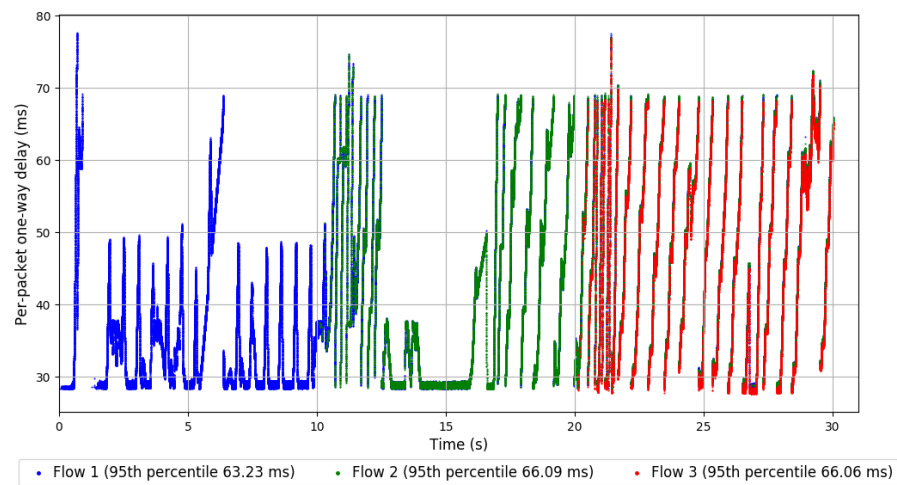
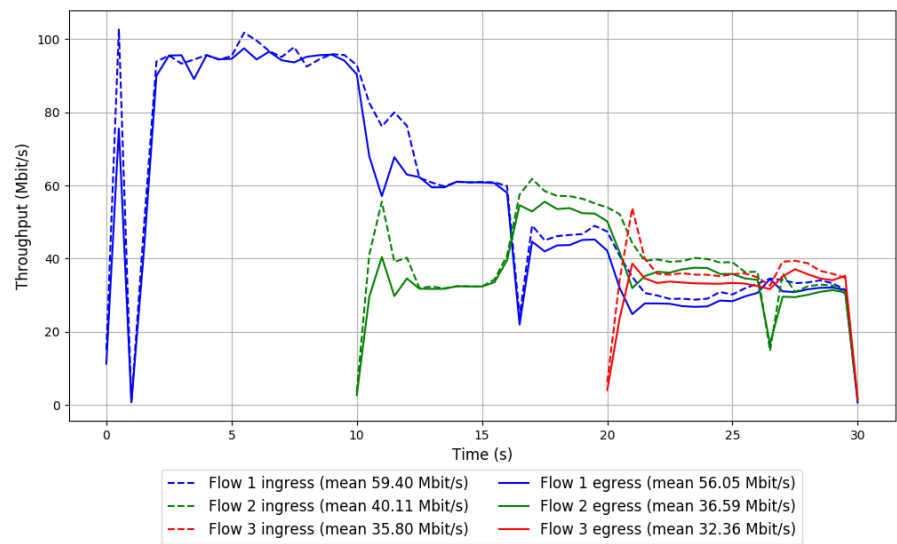


Run 2: Statistics of TCP BBR

Start at: 2018-04-10 23:01:04
End at: 2018-04-10 23:01:34
Local clock offset: 1.069 ms
Remote clock offset: -4.959 ms

Below is generated by plot.py at 2018-04-11 03:28:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 64.853 ms
Loss rate: 6.88%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 63.227 ms
Loss rate: 5.59%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 66.087 ms
Loss rate: 8.65%
-- Flow 3:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 66.063 ms
Loss rate: 9.34%

Run 2: Report of TCP BBR — Data Link

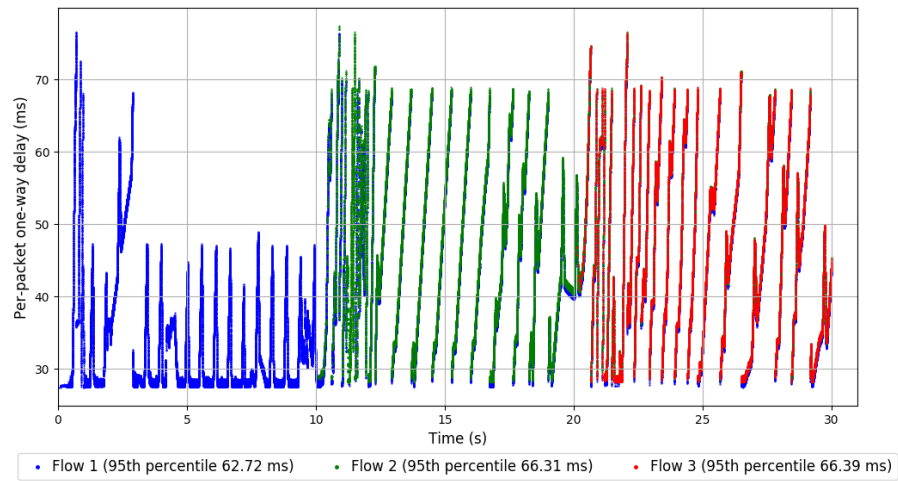
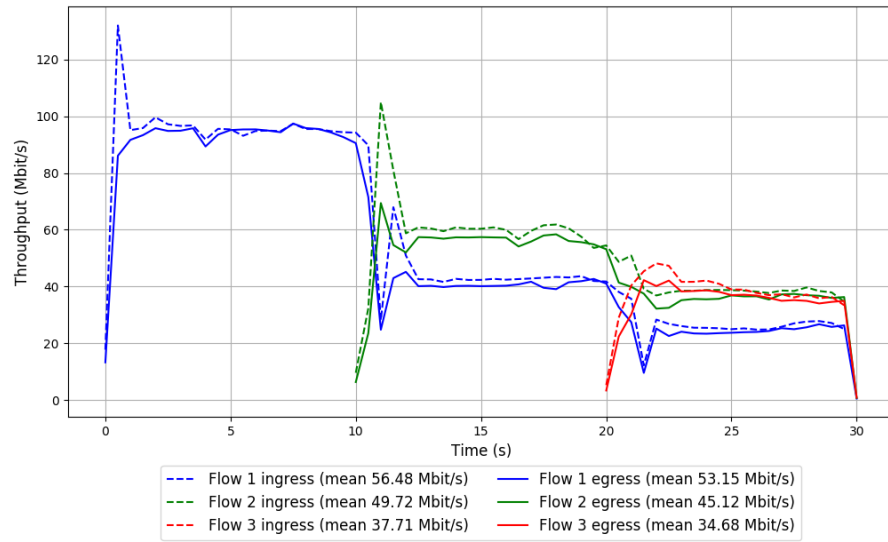


Run 3: Statistics of TCP BBR

Start at: 2018-04-10 23:28:18
End at: 2018-04-10 23:28:48
Local clock offset: 1.124 ms
Remote clock offset: -4.076 ms

Below is generated by plot.py at 2018-04-11 03:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 64.910 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 62.716 ms
Loss rate: 5.85%
-- Flow 2:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 66.309 ms
Loss rate: 9.20%
-- Flow 3:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 66.393 ms
Loss rate: 8.04%

Run 3: Report of TCP BBR — Data Link

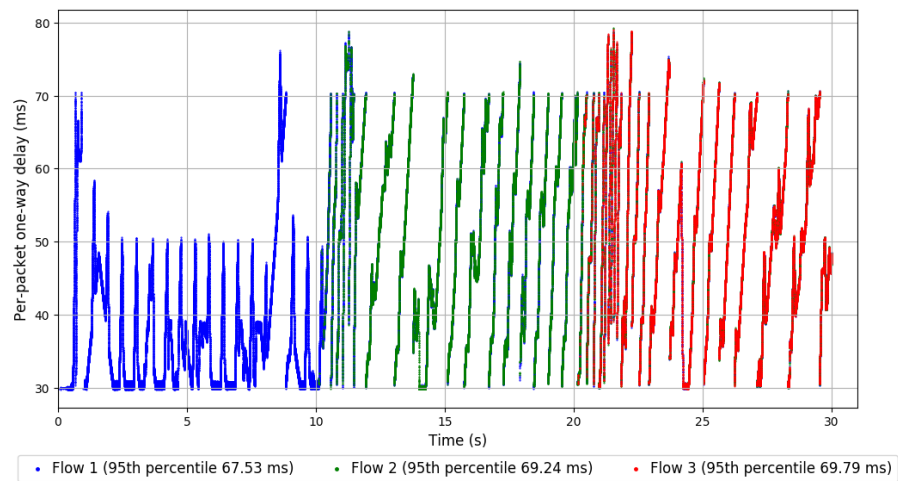
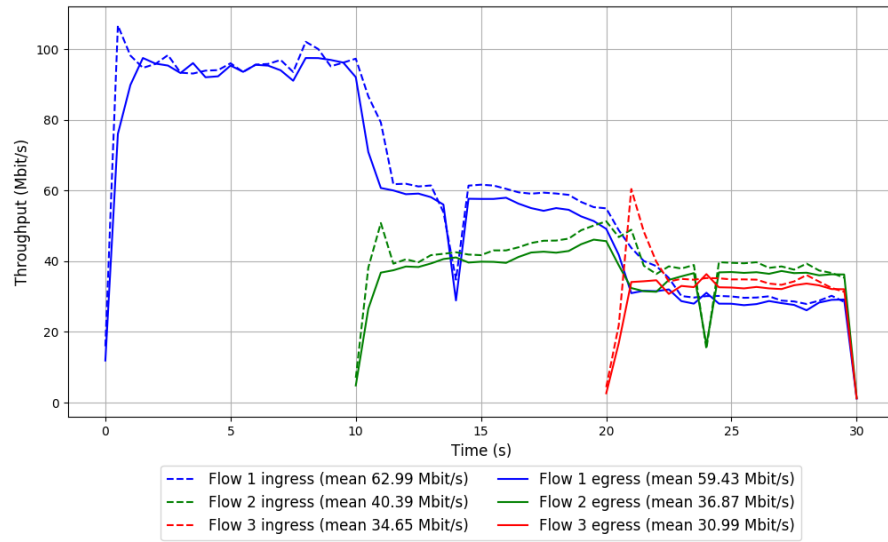


Run 4: Statistics of TCP BBR

Start at: 2018-04-10 23:56:06
End at: 2018-04-10 23:56:36
Local clock offset: 1.655 ms
Remote clock offset: -3.406 ms

Below is generated by plot.py at 2018-04-11 03:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.25 Mbit/s
95th percentile per-packet one-way delay: 68.488 ms
Loss rate: 6.99%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 67.533 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 69.239 ms
Loss rate: 8.64%
-- Flow 3:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 69.786 ms
Loss rate: 10.72%

Run 4: Report of TCP BBR — Data Link

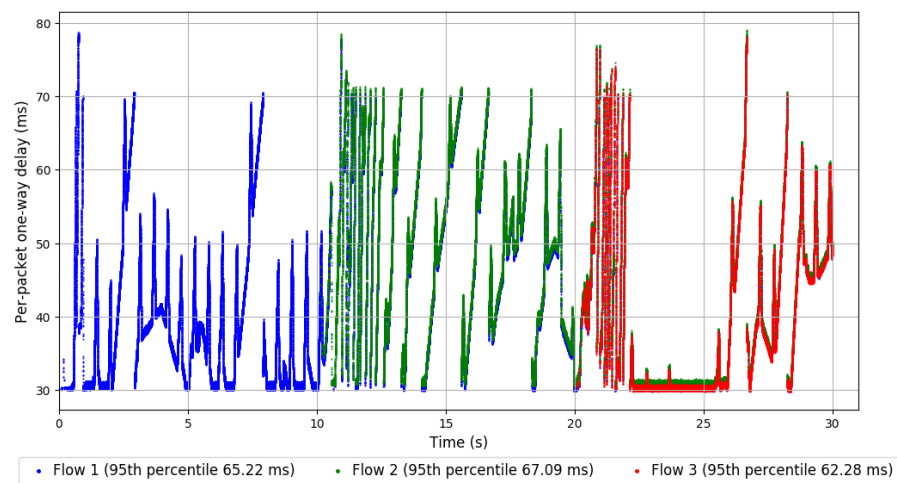
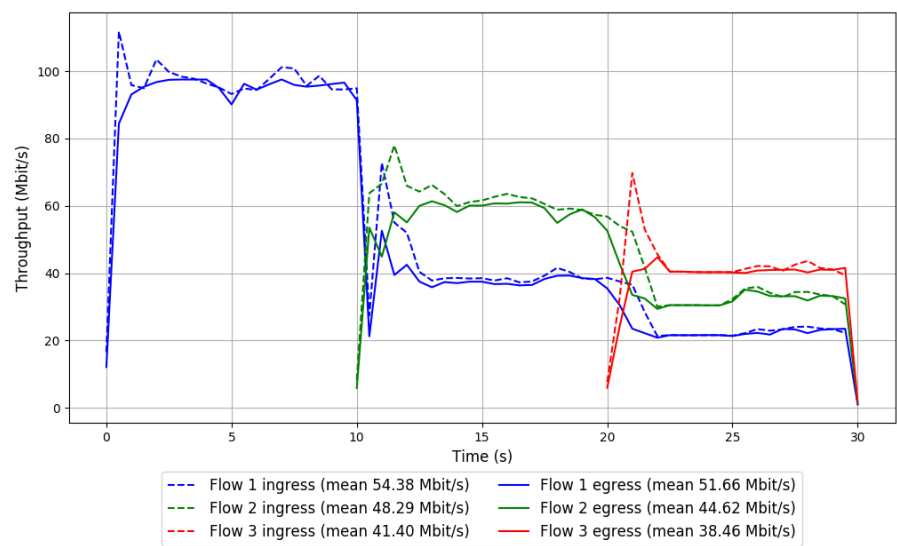


Run 5: Statistics of TCP BBR

Start at: 2018-04-11 00:25:41
End at: 2018-04-11 00:26:11
Local clock offset: 2.359 ms
Remote clock offset: -5.208 ms

Below is generated by plot.py at 2018-04-11 03:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 65.812 ms
Loss rate: 6.05%
-- Flow 1:
Average throughput: 51.66 Mbit/s
95th percentile per-packet one-way delay: 65.224 ms
Loss rate: 4.95%
-- Flow 2:
Average throughput: 44.62 Mbit/s
95th percentile per-packet one-way delay: 67.087 ms
Loss rate: 7.52%
-- Flow 3:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 62.277 ms
Loss rate: 6.93%

Run 5: Report of TCP BBR — Data Link

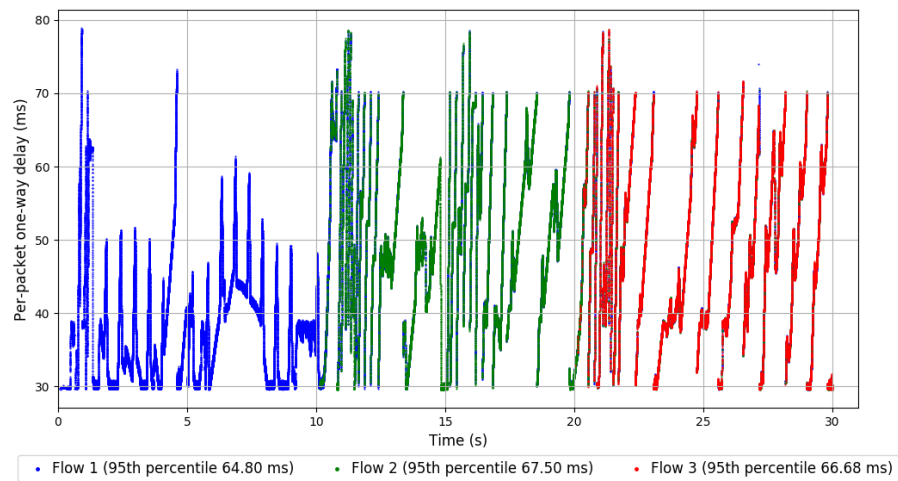
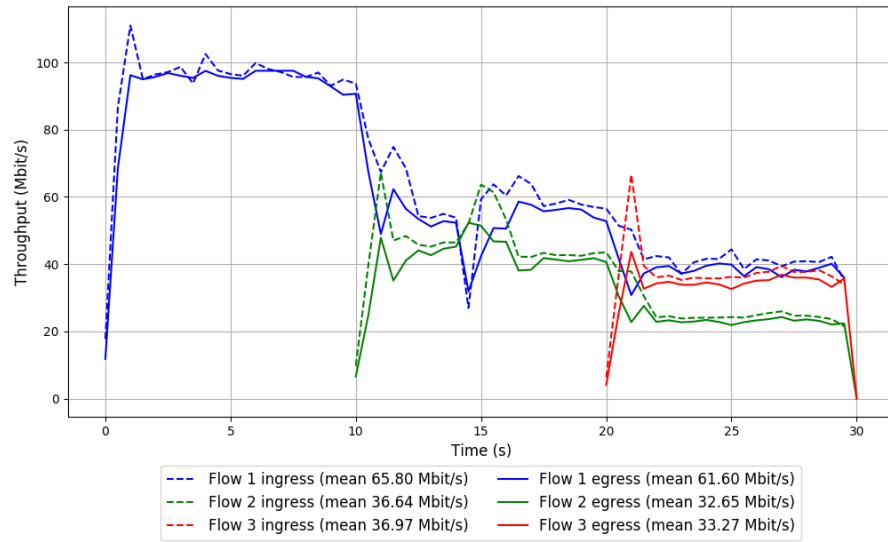


Run 6: Statistics of TCP BBR

Start at: 2018-04-11 00:54:49
End at: 2018-04-11 00:55:19
Local clock offset: 1.51 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-04-11 03:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 65.789 ms
Loss rate: 7.91%
-- Flow 1:
Average throughput: 61.60 Mbit/s
95th percentile per-packet one-way delay: 64.802 ms
Loss rate: 6.37%
-- Flow 2:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 67.499 ms
Loss rate: 10.99%
-- Flow 3:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 66.681 ms
Loss rate: 10.04%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-11 01:21:33

End at: 2018-04-11 01:22:03

Local clock offset: 0.684 ms

Remote clock offset: 6.864 ms

Below is generated by plot.py at 2018-04-11 03:28:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.07 Mbit/s

95th percentile per-packet one-way delay: 66.399 ms

Loss rate: 6.78%

-- Flow 1:

Average throughput: 57.13 Mbit/s

95th percentile per-packet one-way delay: 64.668 ms

Loss rate: 5.34%

-- Flow 2:

Average throughput: 45.28 Mbit/s

95th percentile per-packet one-way delay: 67.897 ms

Loss rate: 9.12%

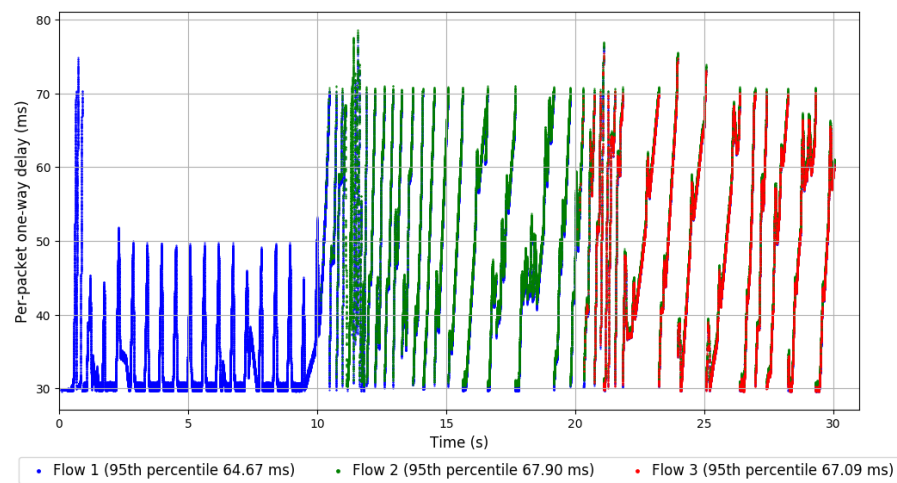
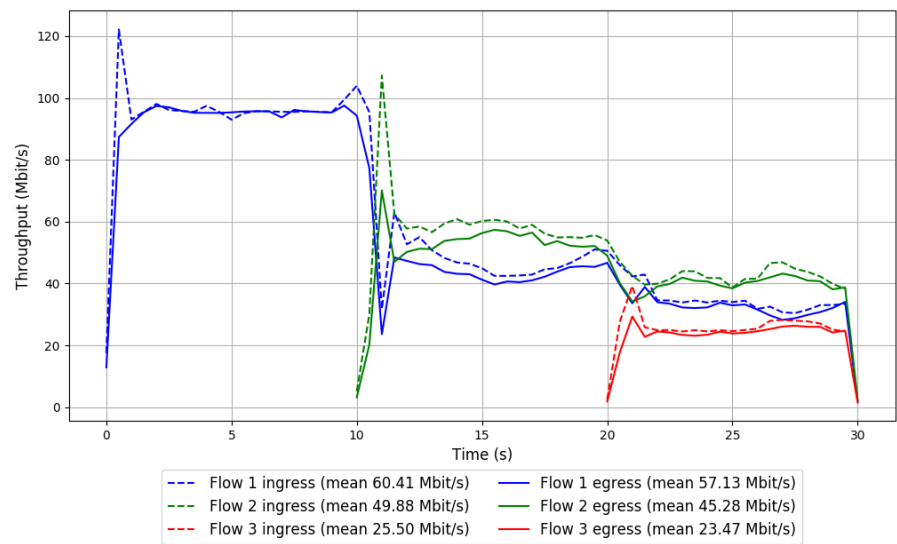
-- Flow 3:

Average throughput: 23.47 Mbit/s

95th percentile per-packet one-way delay: 67.091 ms

Loss rate: 7.91%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-11 01:47:26

End at: 2018-04-11 01:47:56

Local clock offset: 0.614 ms

Remote clock offset: 9.015 ms

Below is generated by plot.py at 2018-04-11 03:28:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.48 Mbit/s

95th percentile per-packet one-way delay: 63.341 ms

Loss rate: 5.35%

-- Flow 1:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 60.128 ms

Loss rate: 4.40%

-- Flow 2:

Average throughput: 41.77 Mbit/s

95th percentile per-packet one-way delay: 64.468 ms

Loss rate: 5.42%

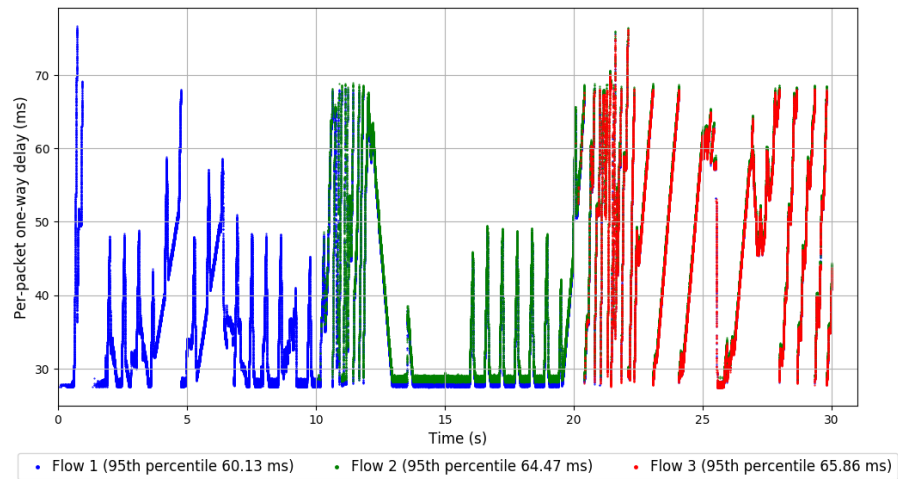
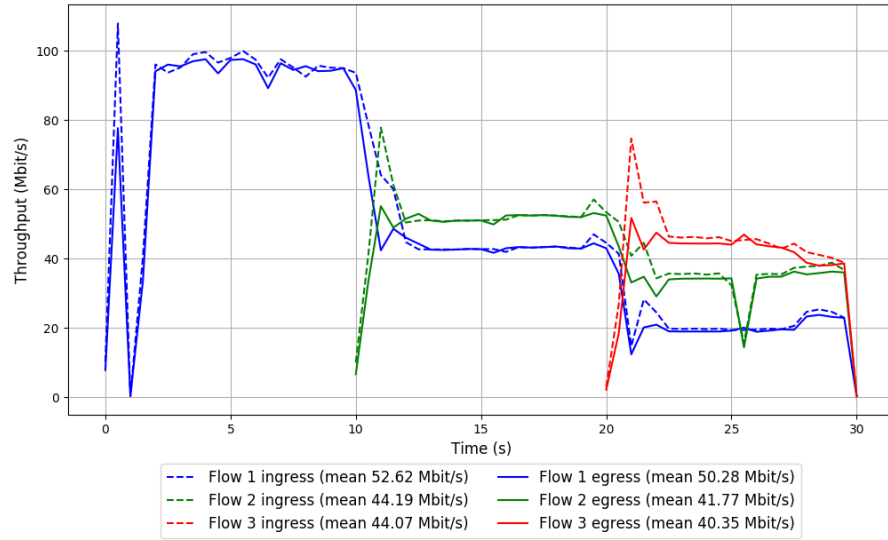
-- Flow 3:

Average throughput: 40.35 Mbit/s

95th percentile per-packet one-way delay: 65.857 ms

Loss rate: 8.60%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-11 02:14:52

End at: 2018-04-11 02:15:22

Local clock offset: 0.345 ms

Remote clock offset: 3.716 ms

Below is generated by plot.py at 2018-04-11 03:29:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 65.738 ms

Loss rate: 6.85%

-- Flow 1:

Average throughput: 59.24 Mbit/s

95th percentile per-packet one-way delay: 64.777 ms

Loss rate: 6.02%

-- Flow 2:

Average throughput: 35.84 Mbit/s

95th percentile per-packet one-way delay: 66.599 ms

Loss rate: 8.35%

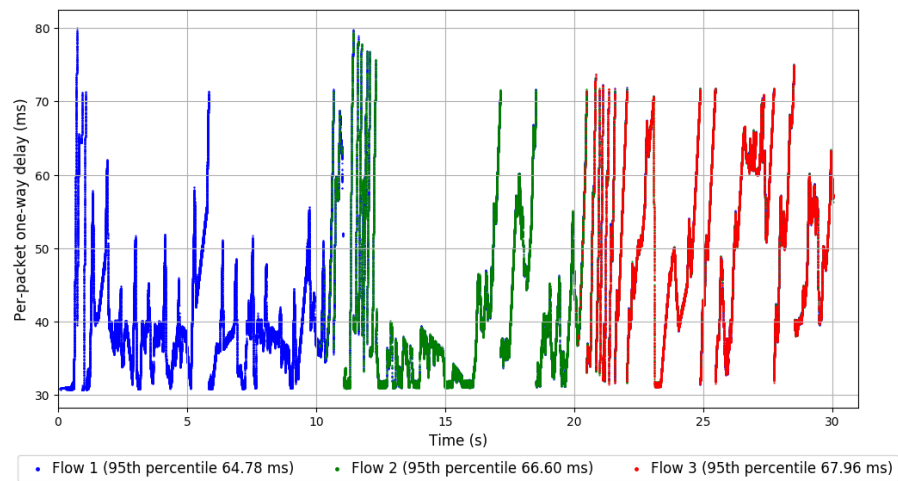
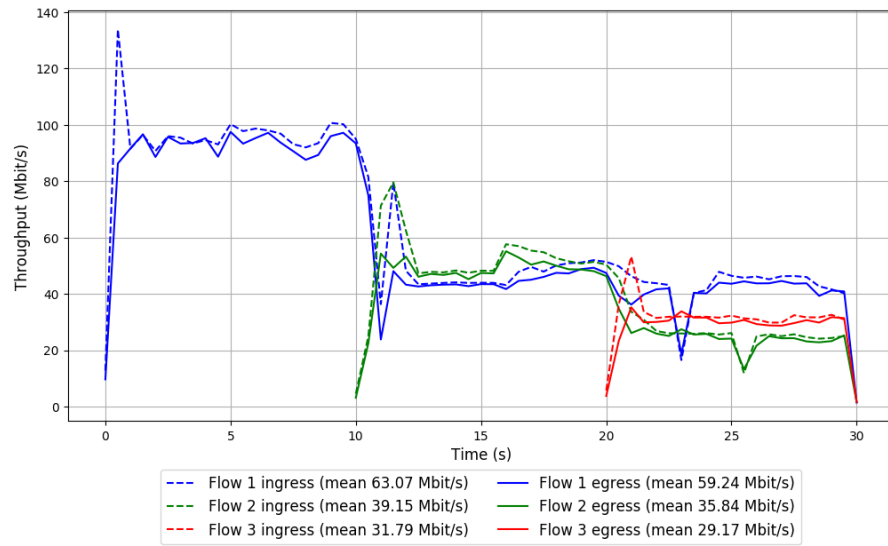
-- Flow 3:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 67.960 ms

Loss rate: 8.11%

Run 9: Report of TCP BBR — Data Link

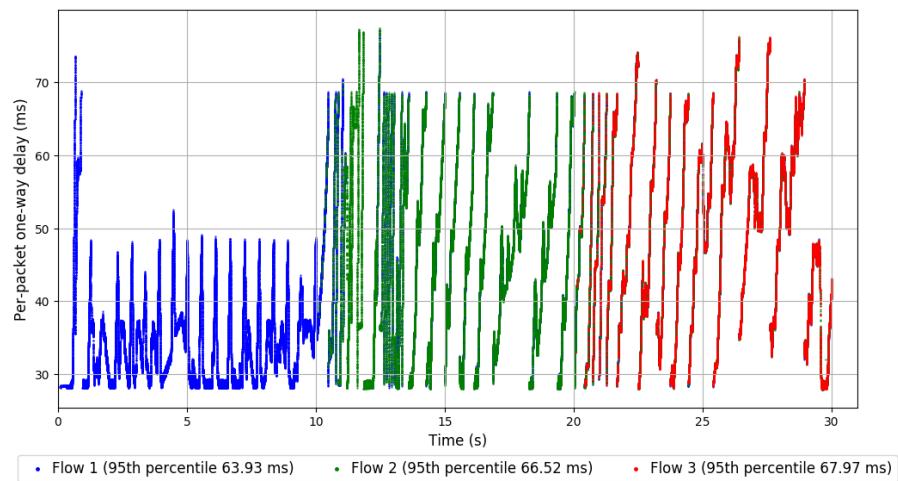
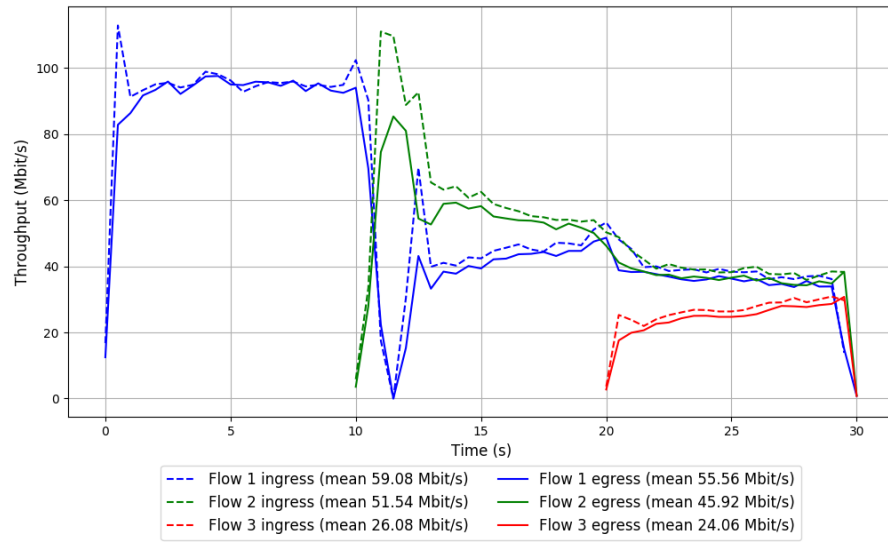


Run 10: Statistics of TCP BBR

Start at: 2018-04-11 02:42:19
End at: 2018-04-11 02:42:49
Local clock offset: 0.265 ms
Remote clock offset: -10.367 ms

Below is generated by plot.py at 2018-04-11 03:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 65.659 ms
Loss rate: 7.74%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 63.926 ms
Loss rate: 5.93%
-- Flow 2:
Average throughput: 45.92 Mbit/s
95th percentile per-packet one-way delay: 66.517 ms
Loss rate: 10.89%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 67.967 ms
Loss rate: 7.65%

Run 10: Report of TCP BBR — Data Link

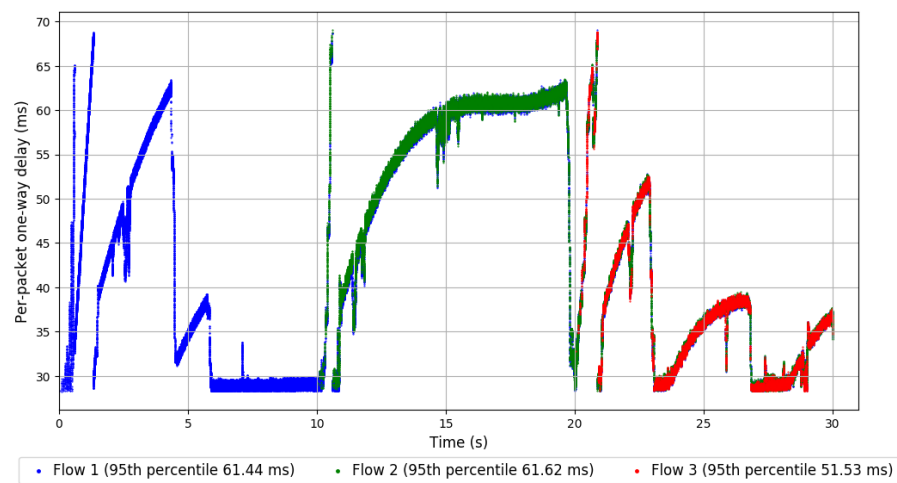
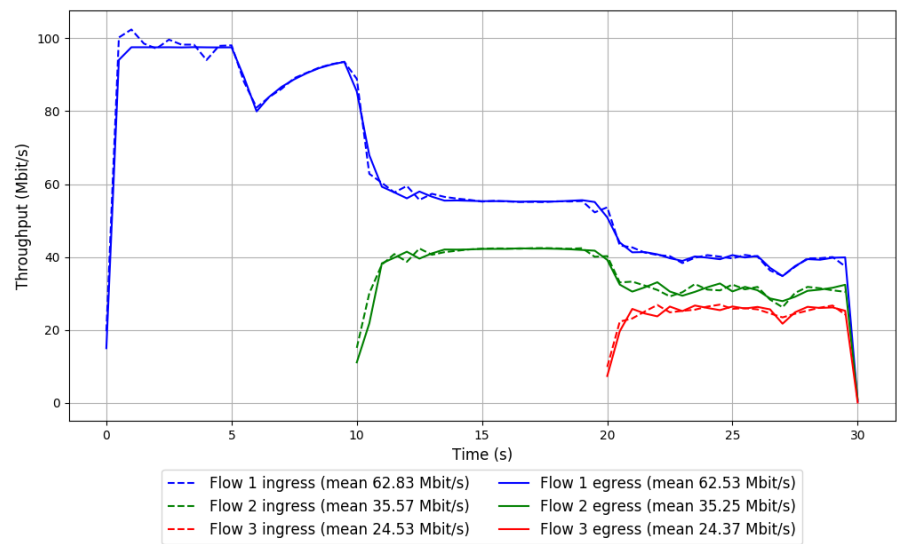


Run 1: Statistics of TCP Cubic

Start at: 2018-04-10 22:33:27
End at: 2018-04-10 22:33:57
Local clock offset: 0.534 ms
Remote clock offset: -5.439 ms

Below is generated by plot.py at 2018-04-11 03:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 61.447 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 62.53 Mbit/s
95th percentile per-packet one-way delay: 61.440 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 61.616 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 51.532 ms
Loss rate: 0.59%

Run 1: Report of TCP Cubic — Data Link

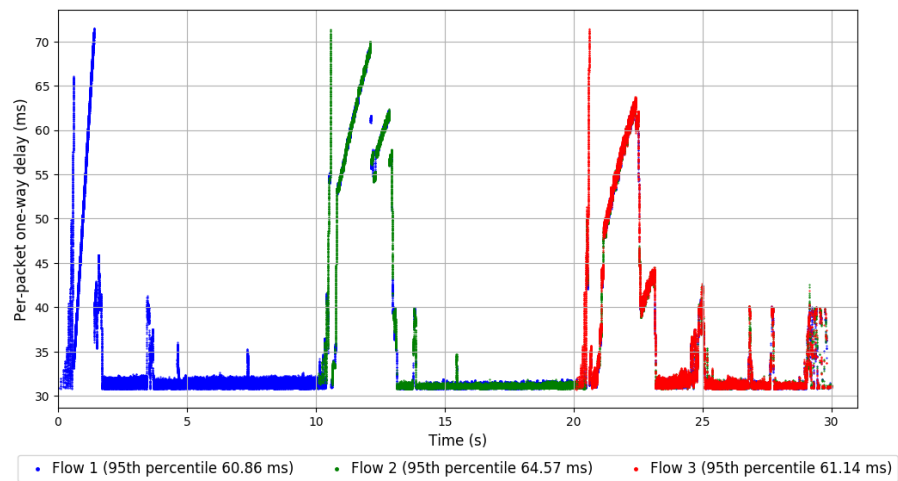
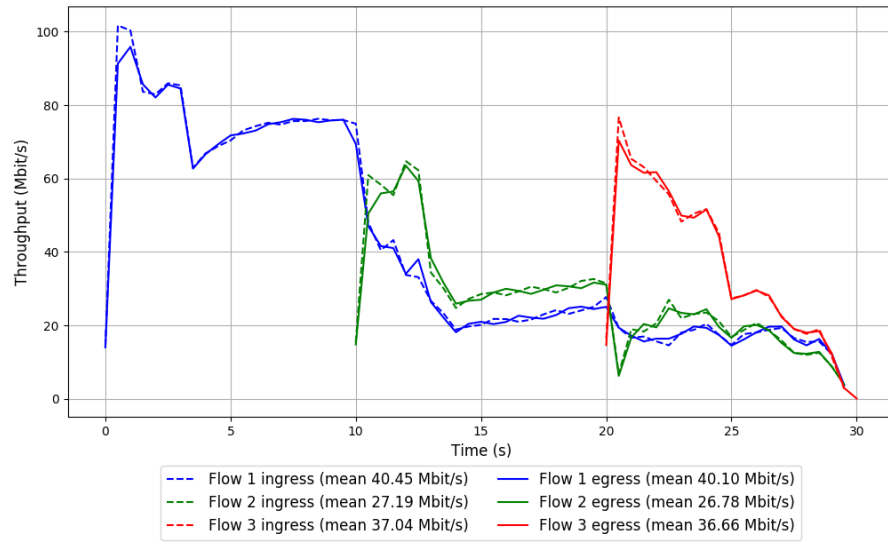


Run 2: Statistics of TCP Cubic

Start at: 2018-04-10 22:59:39
End at: 2018-04-10 23:00:09
Local clock offset: 1.018 ms
Remote clock offset: -2.479 ms

Below is generated by plot.py at 2018-04-11 03:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.09 Mbit/s
95th percentile per-packet one-way delay: 61.670 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 60.857 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 64.574 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 61.143 ms
Loss rate: 1.03%

Run 2: Report of TCP Cubic — Data Link

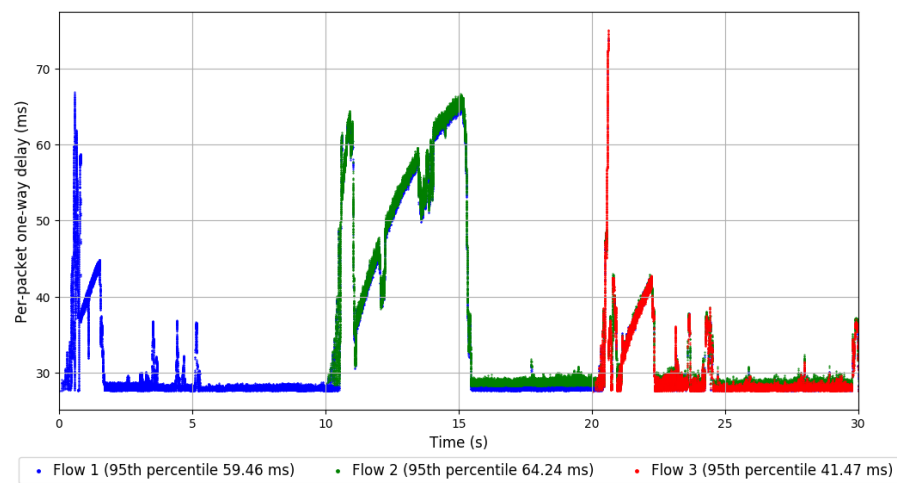
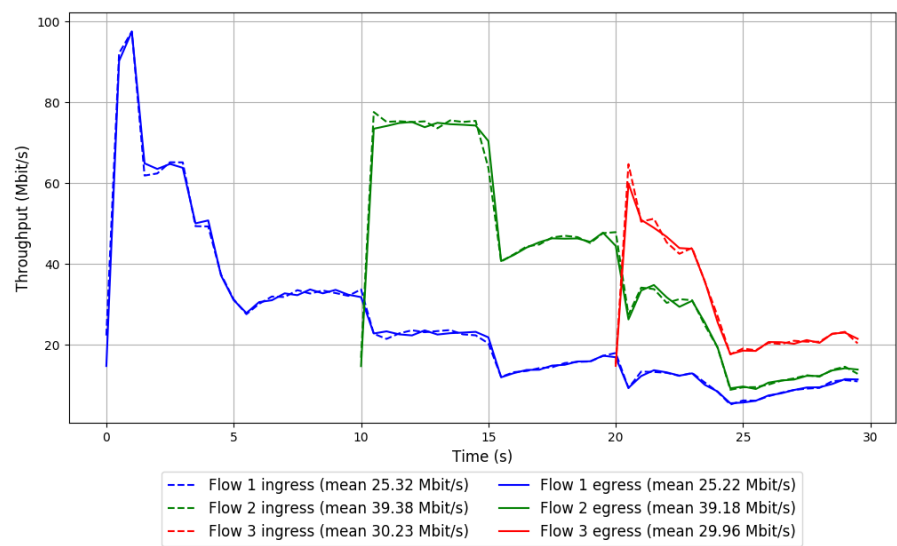


Run 3: Statistics of TCP Cubic

Start at: 2018-04-10 23:26:49
End at: 2018-04-10 23:27:19
Local clock offset: 1.025 ms
Remote clock offset: -4.093 ms

Below is generated by plot.py at 2018-04-11 03:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 62.797 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 25.22 Mbit/s
95th percentile per-packet one-way delay: 59.463 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 64.244 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 41.468 ms
Loss rate: 0.91%

Run 3: Report of TCP Cubic — Data Link

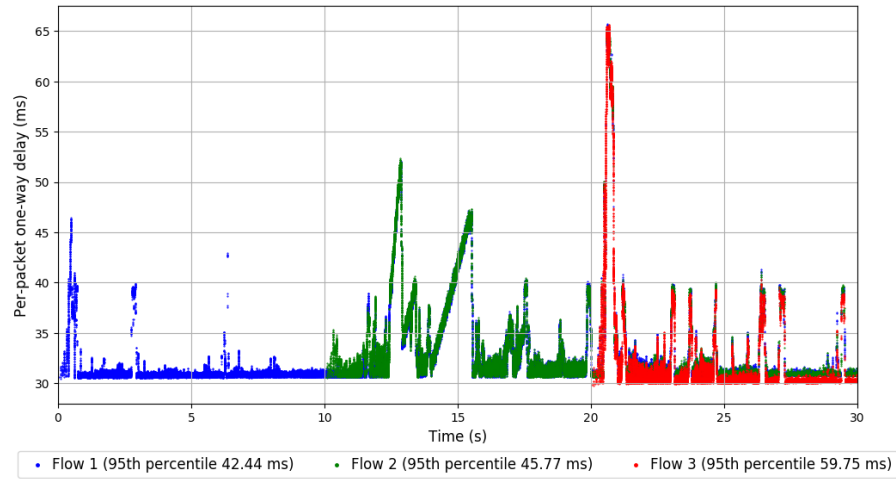
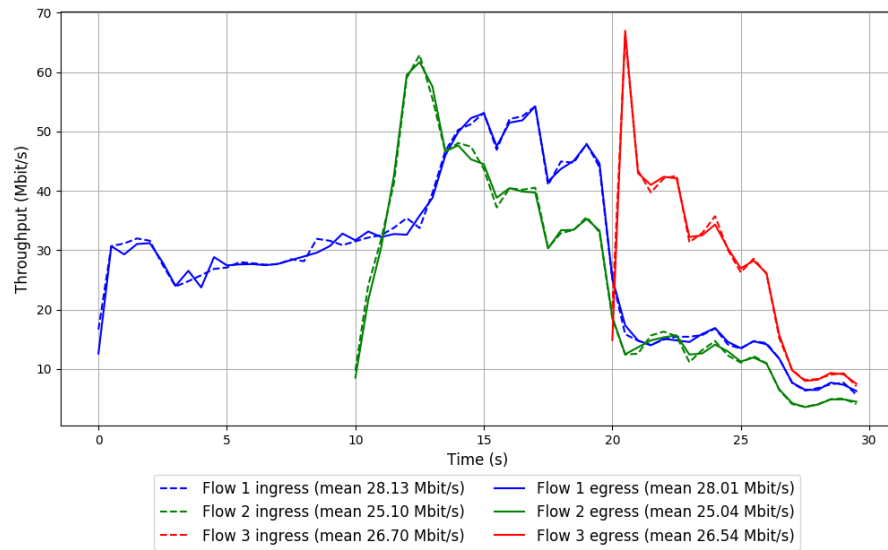


Run 4: Statistics of TCP Cubic

Start at: 2018-04-10 23:54:39
End at: 2018-04-10 23:55:09
Local clock offset: 1.512 ms
Remote clock offset: -2.962 ms

Below is generated by plot.py at 2018-04-11 03:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 44.788 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 42.438 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 45.768 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 59.752 ms
Loss rate: 0.61%

Run 4: Report of TCP Cubic — Data Link

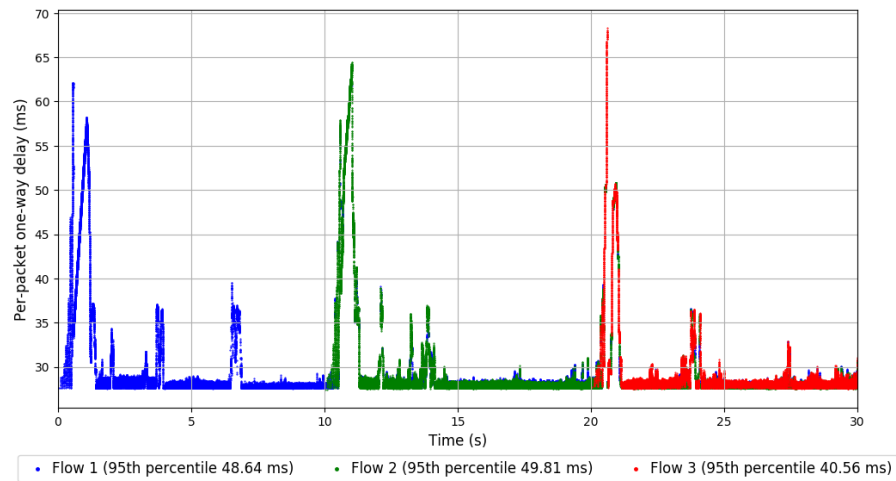
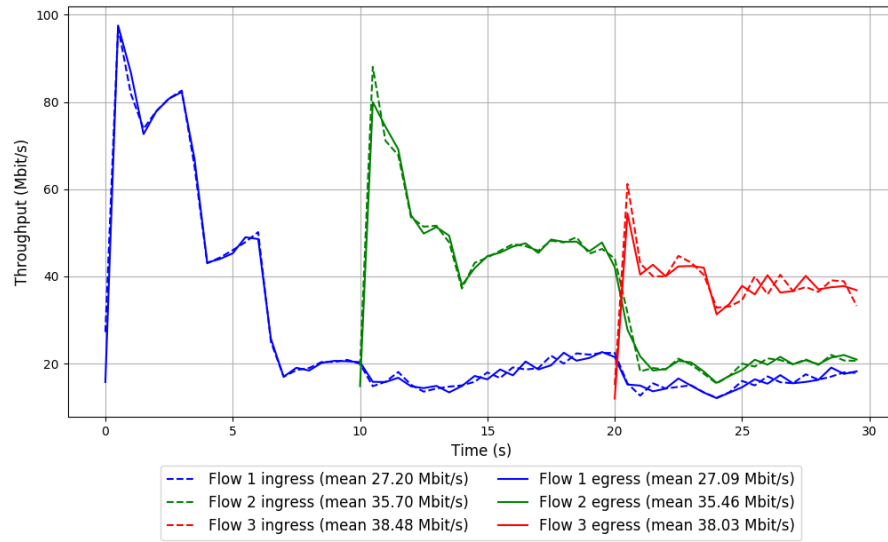


Run 5: Statistics of TCP Cubic

Start at: 2018-04-11 00:24:08
End at: 2018-04-11 00:24:38
Local clock offset: 2.511 ms
Remote clock offset: -7.767 ms

Below is generated by plot.py at 2018-04-11 03:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 48.386 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 48.637 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 49.806 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 40.562 ms
Loss rate: 1.14%

Run 5: Report of TCP Cubic — Data Link

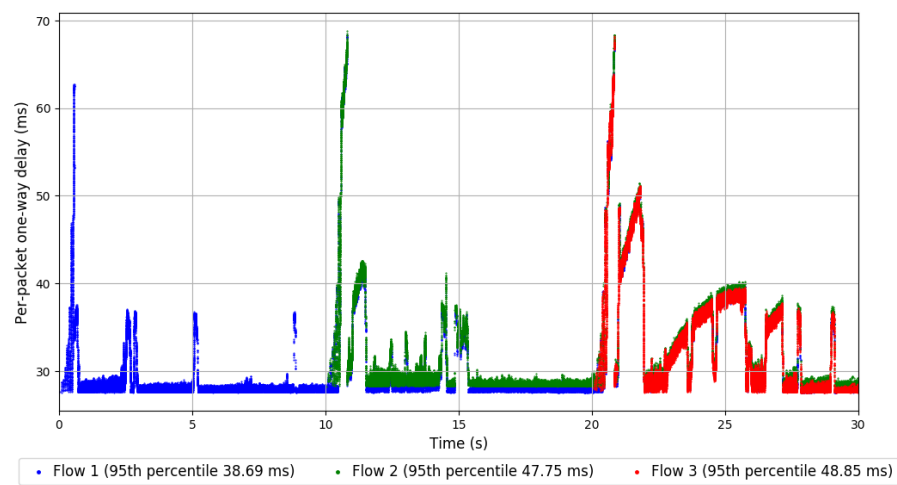
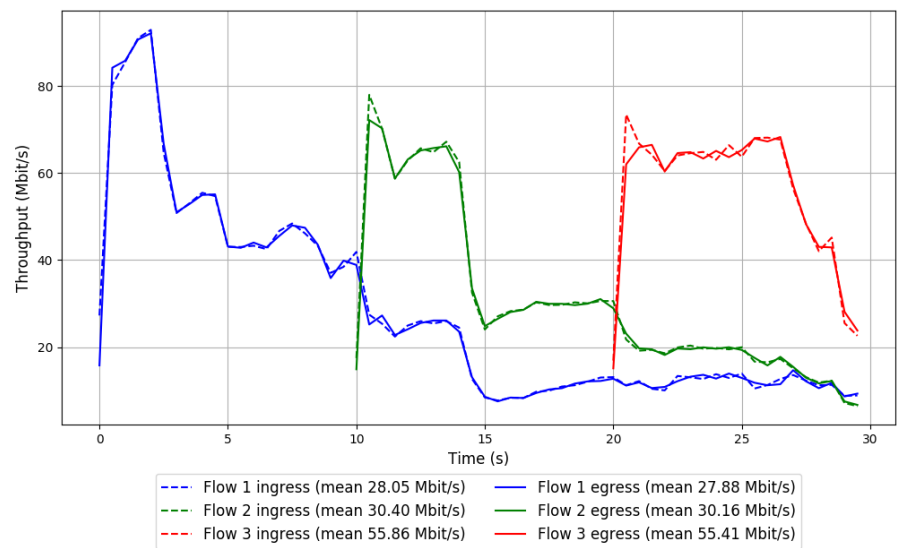


Run 6: Statistics of TCP Cubic

Start at: 2018-04-11 00:53:19
End at: 2018-04-11 00:53:49
Local clock offset: 1.446 ms
Remote clock offset: -2.636 ms

Below is generated by plot.py at 2018-04-11 03:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 46.637 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 38.694 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 47.753 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 48.847 ms
Loss rate: 0.81%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-04-11 01:20:01

End at: 2018-04-11 01:20:31

Local clock offset: 0.716 ms

Remote clock offset: 7.105 ms

Below is generated by plot.py at 2018-04-11 03:29:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.10 Mbit/s

95th percentile per-packet one-way delay: 52.019 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 26.57 Mbit/s

95th percentile per-packet one-way delay: 54.683 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 23.00 Mbit/s

95th percentile per-packet one-way delay: 36.520 ms

Loss rate: 0.22%

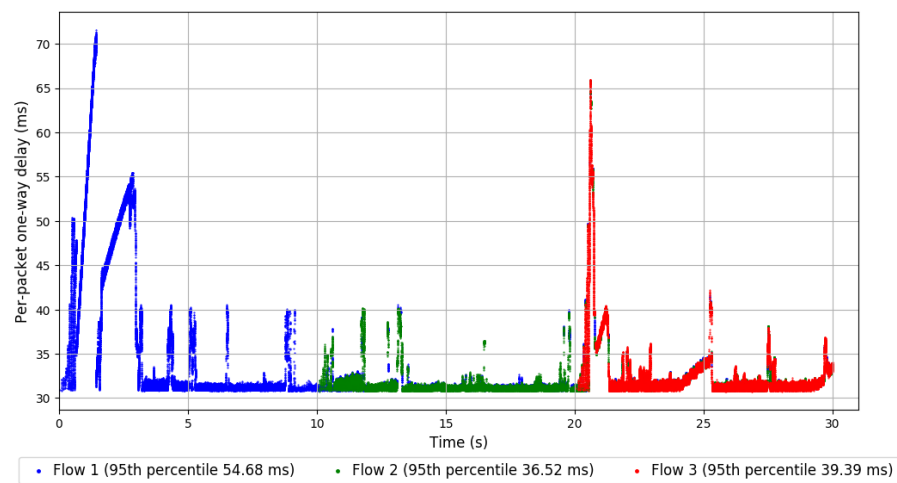
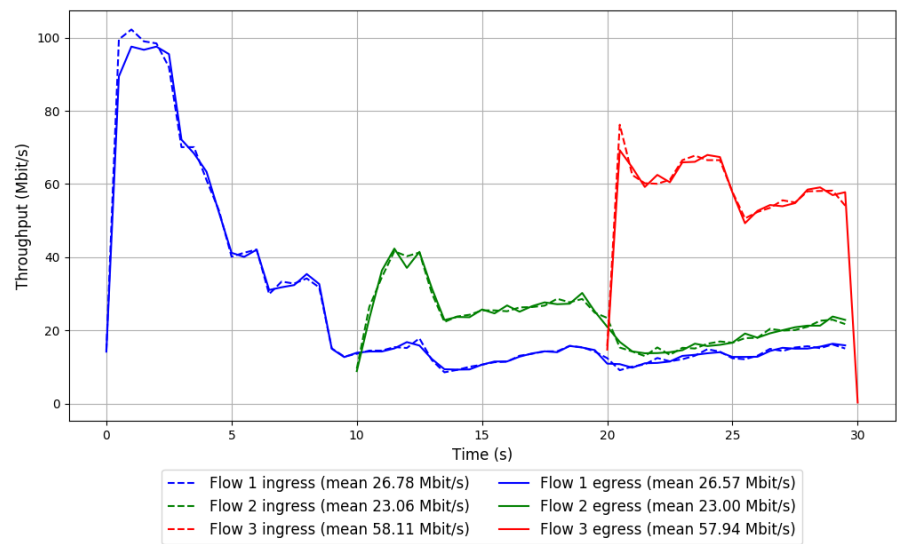
-- Flow 3:

Average throughput: 57.94 Mbit/s

95th percentile per-packet one-way delay: 39.394 ms

Loss rate: 0.27%

Run 7: Report of TCP Cubic — Data Link

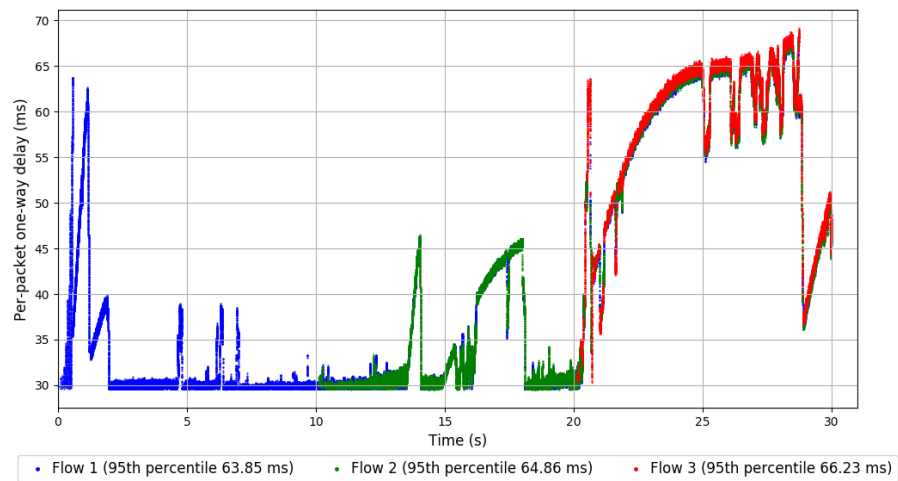
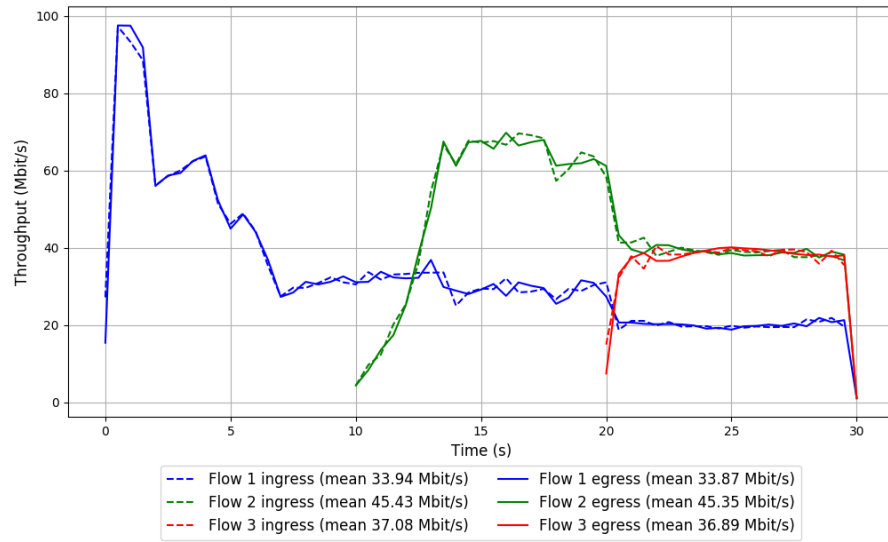


Run 8: Statistics of TCP Cubic

Start at: 2018-04-11 01:45:50
End at: 2018-04-11 01:46:20
Local clock offset: 0.627 ms
Remote clock offset: 10.878 ms

Below is generated by plot.py at 2018-04-11 03:30:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.34 Mbit/s
95th percentile per-packet one-way delay: 65.022 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 63.847 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 45.35 Mbit/s
95th percentile per-packet one-way delay: 64.855 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 66.229 ms
Loss rate: 0.36%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-04-11 02:13:30

End at: 2018-04-11 02:14:00

Local clock offset: 0.444 ms

Remote clock offset: 5.267 ms

Below is generated by plot.py at 2018-04-11 03:30:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.70 Mbit/s

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

Loss rate: 0.42%

-- Flow 1:

Average throughput: 21.77 Mbit/s

95th percentile per-packet one-way delay: 51.639 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 19.46 Mbit/s

95th percentile per-packet one-way delay: 39.503 ms

Loss rate: 0.75%

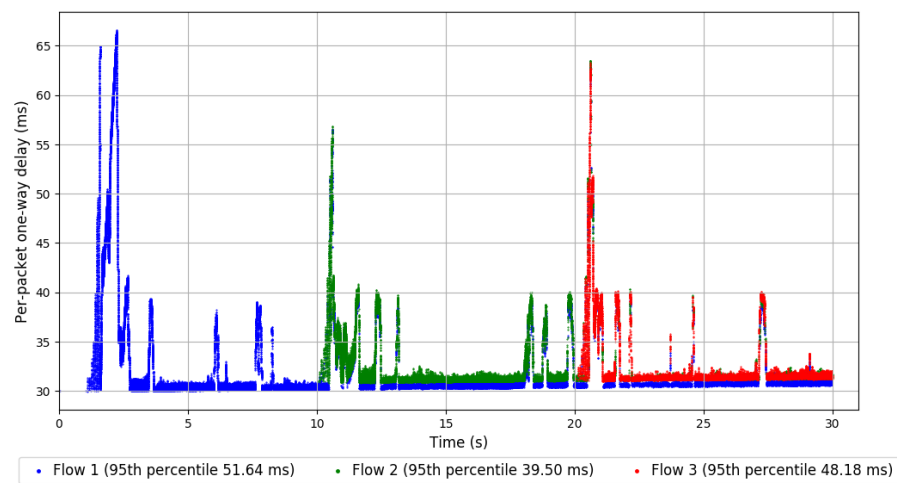
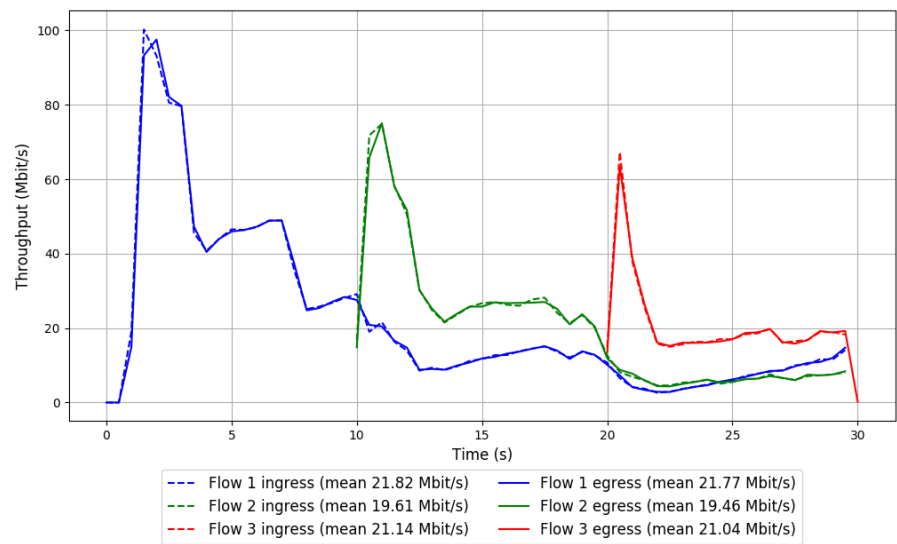
-- Flow 3:

Average throughput: 21.04 Mbit/s

95th percentile per-packet one-way delay: 48.180 ms

Loss rate: 0.48%

Run 9: Report of TCP Cubic — Data Link

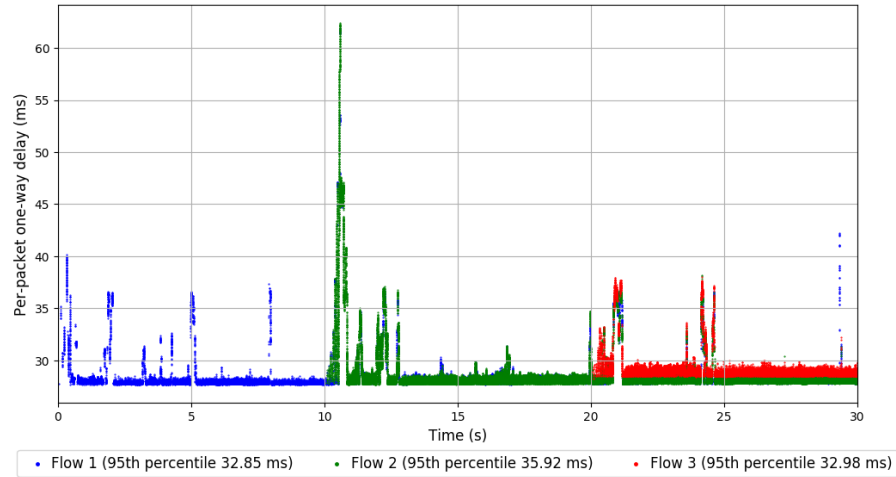
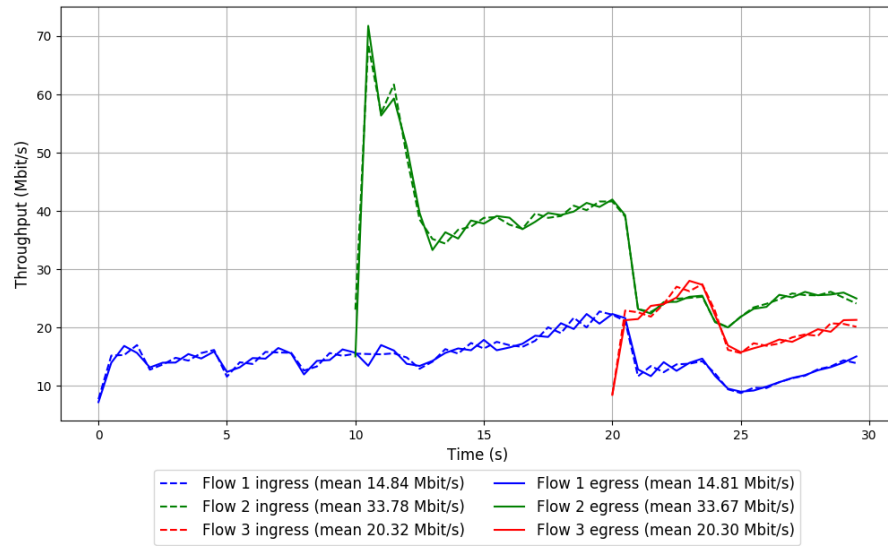


Run 10: Statistics of TCP Cubic

Start at: 2018-04-11 02:40:54
End at: 2018-04-11 02:41:24
Local clock offset: 0.122 ms
Remote clock offset: -10.164 ms

Below is generated by plot.py at 2018-04-11 03:30:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 34.703 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 32.853 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 35.923 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 32.979 ms
Loss rate: 0.11%

Run 10: Report of TCP Cubic — Data Link

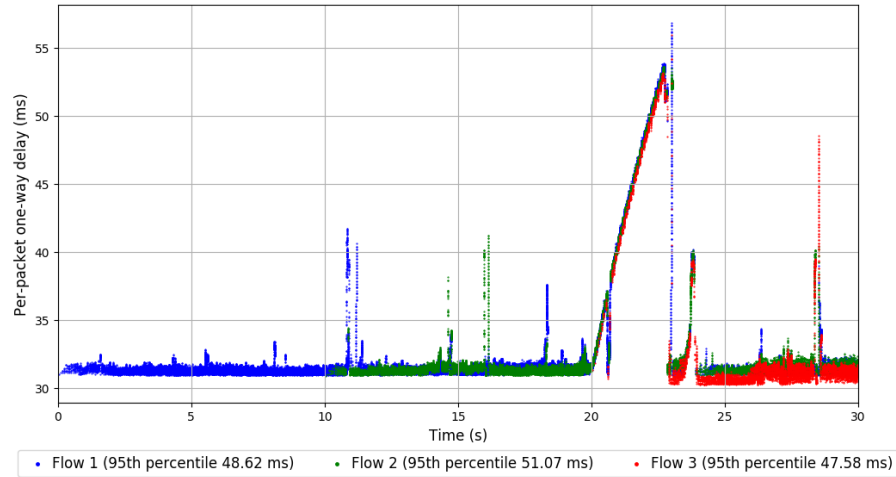
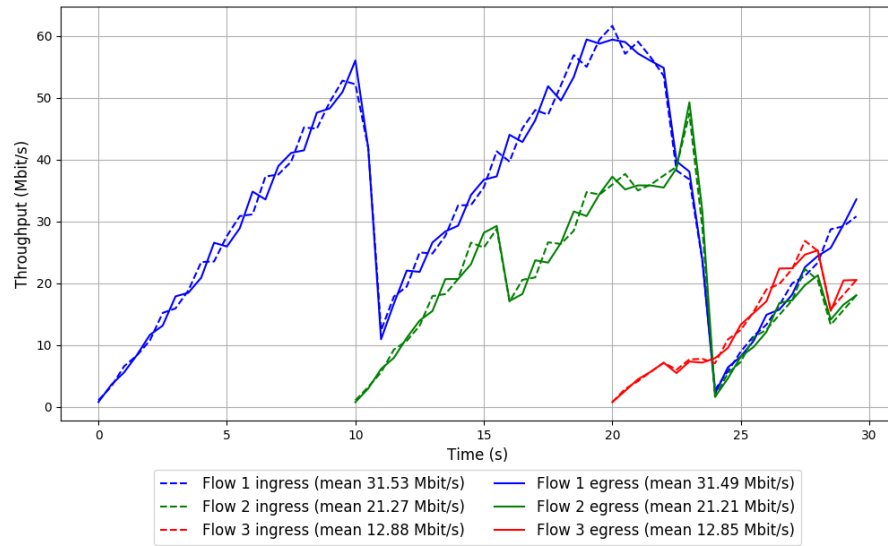


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-10 22:32:03
End at: 2018-04-10 22:32:33
Local clock offset: 0.411 ms
Remote clock offset: -2.84 ms

# Below is generated by plot.py at 2018-04-11 03:30:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 49.339 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 48.619 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 51.071 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 47.575 ms
Loss rate: 0.29%
```


Run 1: Report of LEDBAT — Data Link

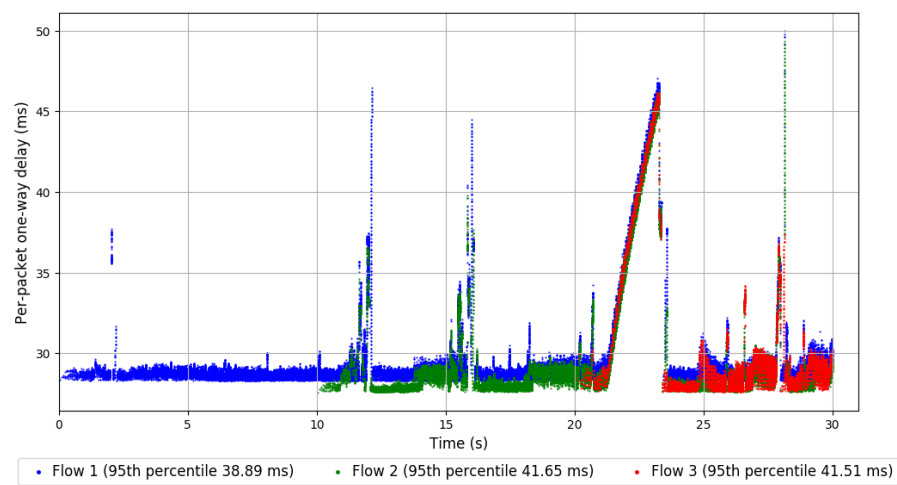
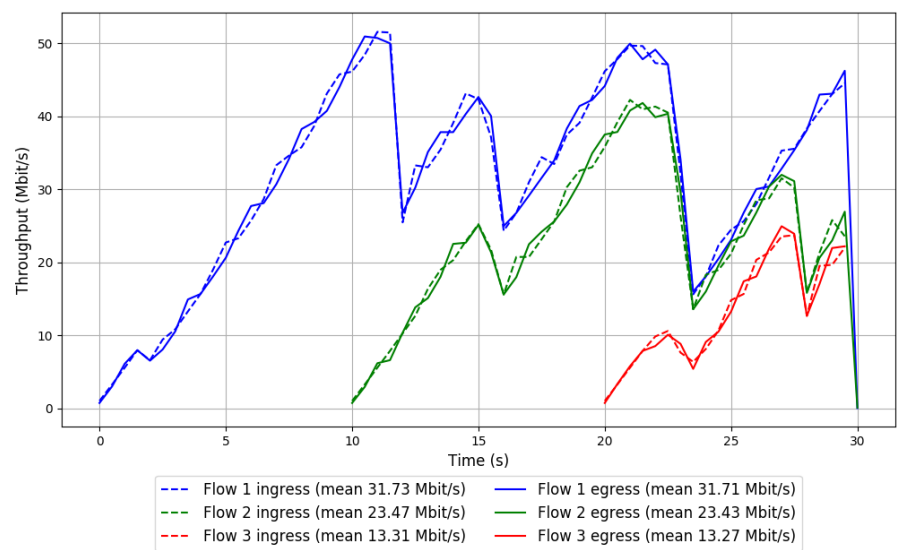


Run 2: Statistics of LEDBAT

Start at: 2018-04-10 22:58:15
End at: 2018-04-10 22:58:45
Local clock offset: 0.906 ms
Remote clock offset: -5.071 ms

Below is generated by plot.py at 2018-04-11 03:30:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 40.218 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 38.891 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 23.43 Mbit/s
95th percentile per-packet one-way delay: 41.651 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 41.511 ms
Loss rate: 0.31%

Run 2: Report of LEDBAT — Data Link

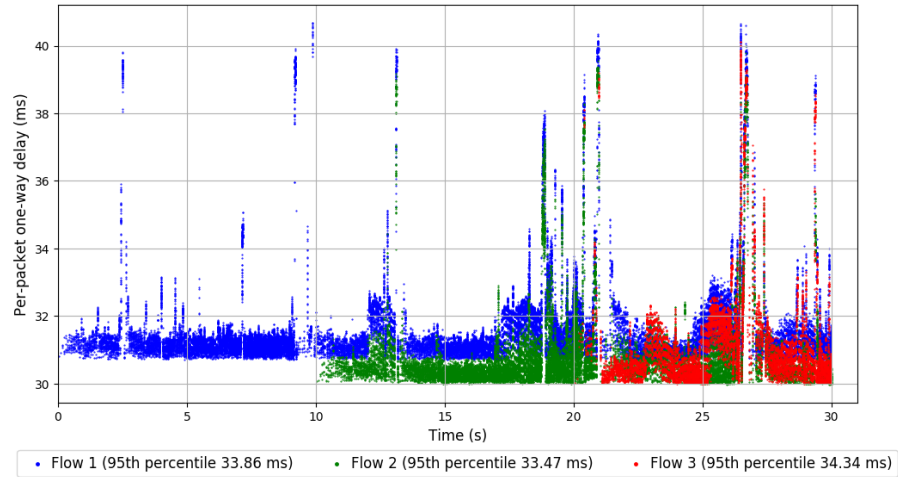
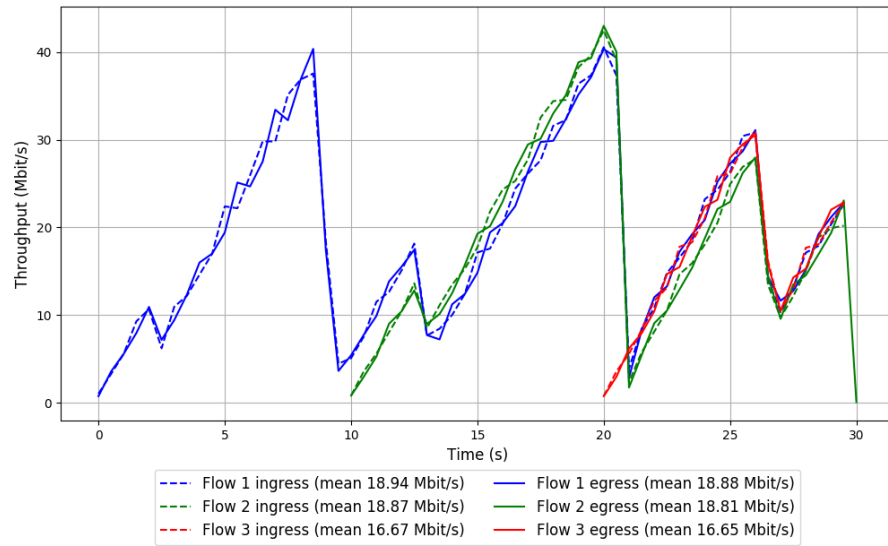


Run 3: Statistics of LEDBAT

Start at: 2018-04-10 23:25:21
End at: 2018-04-10 23:25:51
Local clock offset: 1.129 ms
Remote clock offset: -1.692 ms

Below is generated by plot.py at 2018-04-11 03:30:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 33.827 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 18.88 Mbit/s
95th percentile per-packet one-way delay: 33.859 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 33.474 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 16.65 Mbit/s
95th percentile per-packet one-way delay: 34.337 ms
Loss rate: 0.11%

Run 3: Report of LEDBAT — Data Link

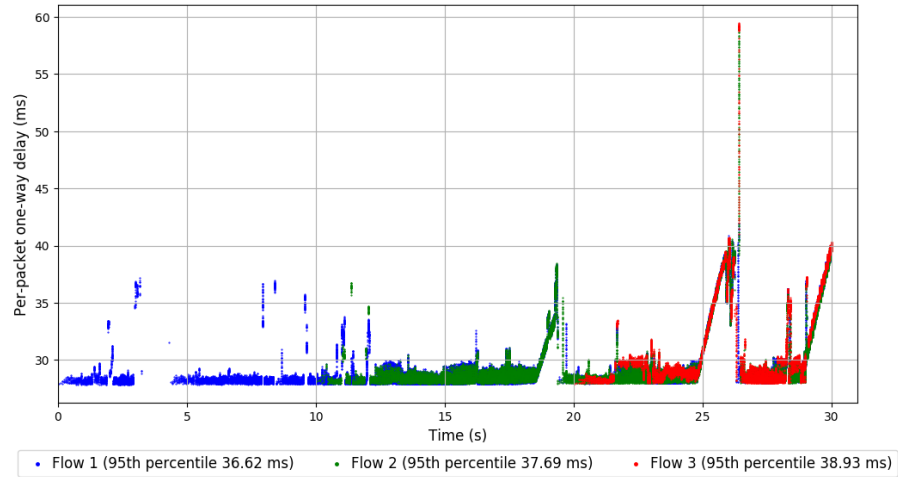
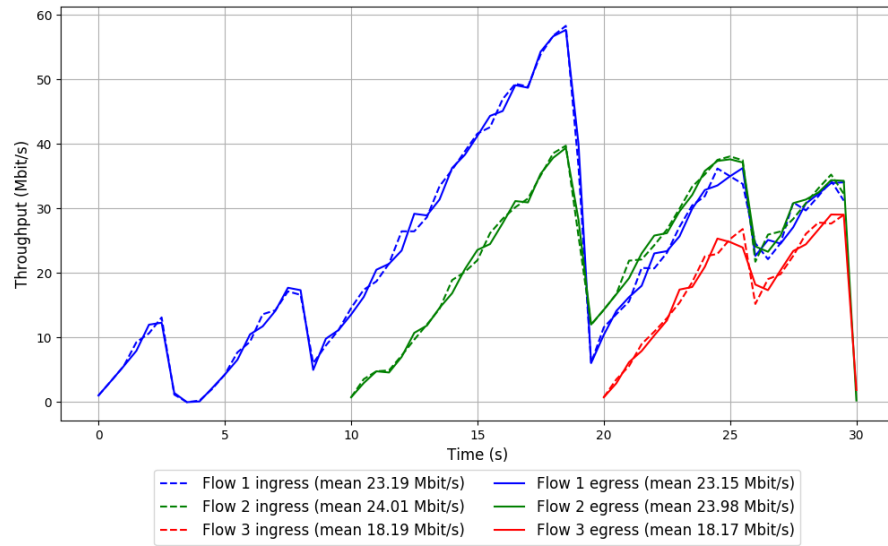


Run 4: Statistics of LEDBAT

Start at: 2018-04-10 23:53:10
End at: 2018-04-10 23:53:40
Local clock offset: 1.475 ms
Remote clock offset: -4.407 ms

Below is generated by plot.py at 2018-04-11 03:30:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 37.605 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 36.624 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 37.686 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 18.17 Mbit/s
95th percentile per-packet one-way delay: 38.927 ms
Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link

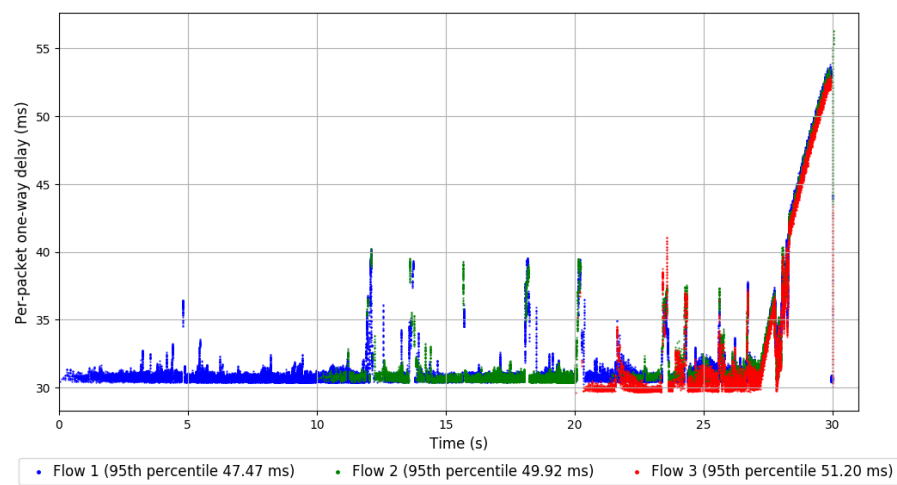
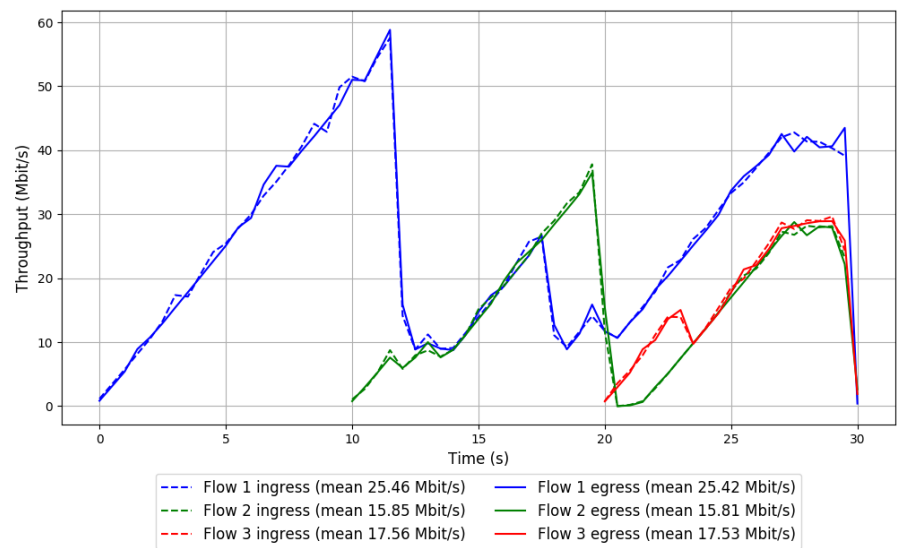


Run 5: Statistics of LEDBAT

Start at: 2018-04-11 00:22:38
End at: 2018-04-11 00:23:08
Local clock offset: 2.44 ms
Remote clock offset: -5.647 ms

Below is generated by plot.py at 2018-04-11 03:30:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.77 Mbit/s
95th percentile per-packet one-way delay: 49.388 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 47.466 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 49.925 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 17.53 Mbit/s
95th percentile per-packet one-way delay: 51.197 ms
Loss rate: 0.03%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-11 00:51:49

End at: 2018-04-11 00:52:19

Local clock offset: 1.384 ms

Remote clock offset: -0.75 ms

Below is generated by plot.py at 2018-04-11 03:30:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.40 Mbit/s

95th percentile per-packet one-way delay: 34.236 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 17.69 Mbit/s

95th percentile per-packet one-way delay: 33.686 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 15.96 Mbit/s

95th percentile per-packet one-way delay: 35.360 ms

Loss rate: 0.23%

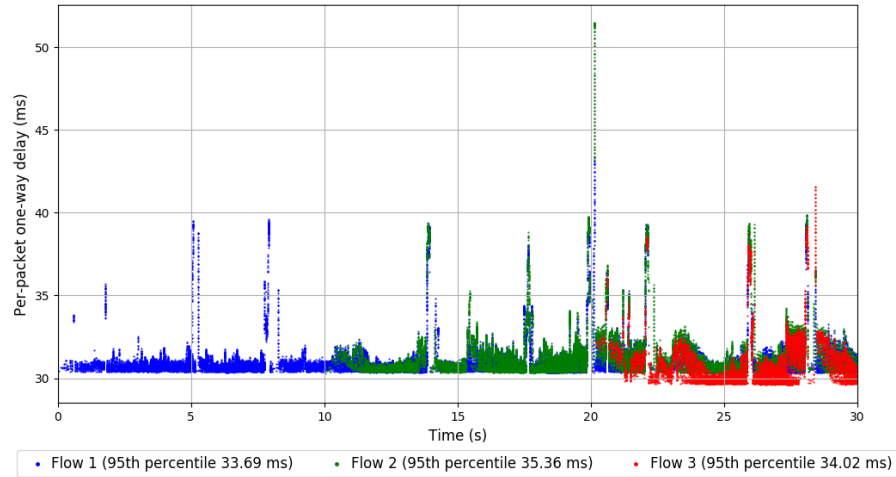
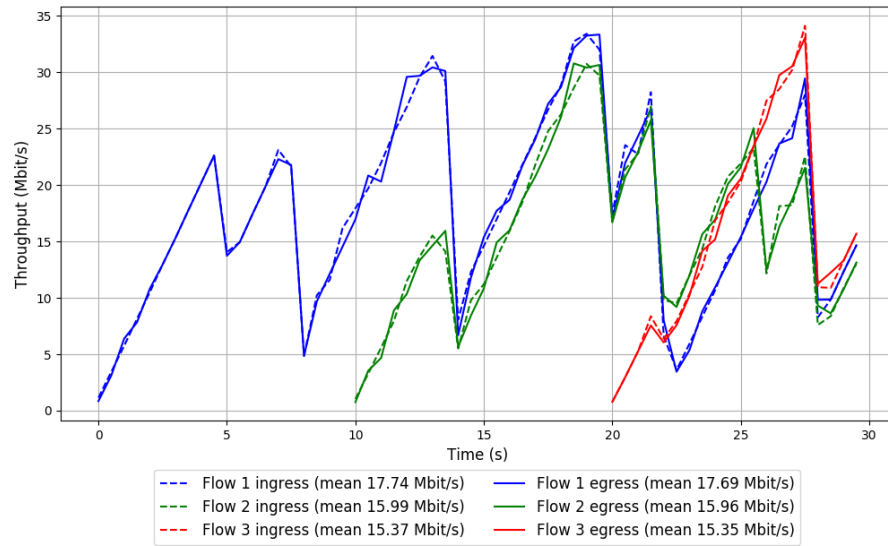
-- Flow 3:

Average throughput: 15.35 Mbit/s

95th percentile per-packet one-way delay: 34.016 ms

Loss rate: 0.15%

Run 6: Report of LEDBAT — Data Link

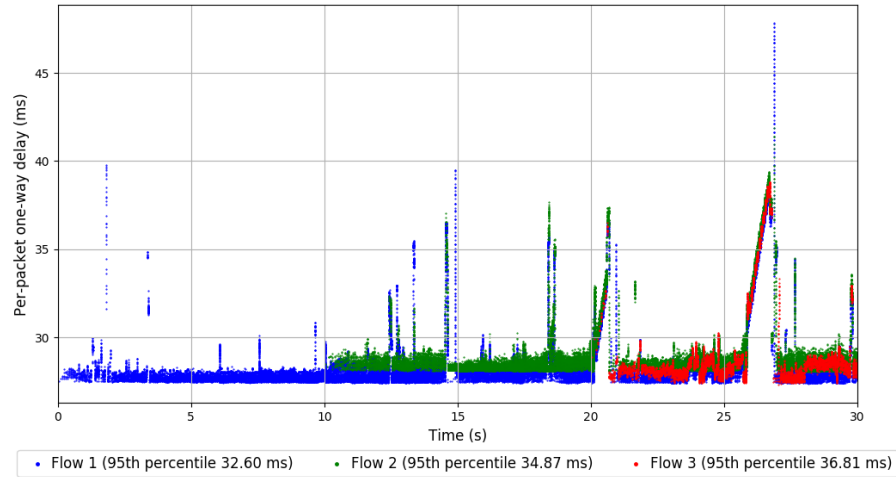
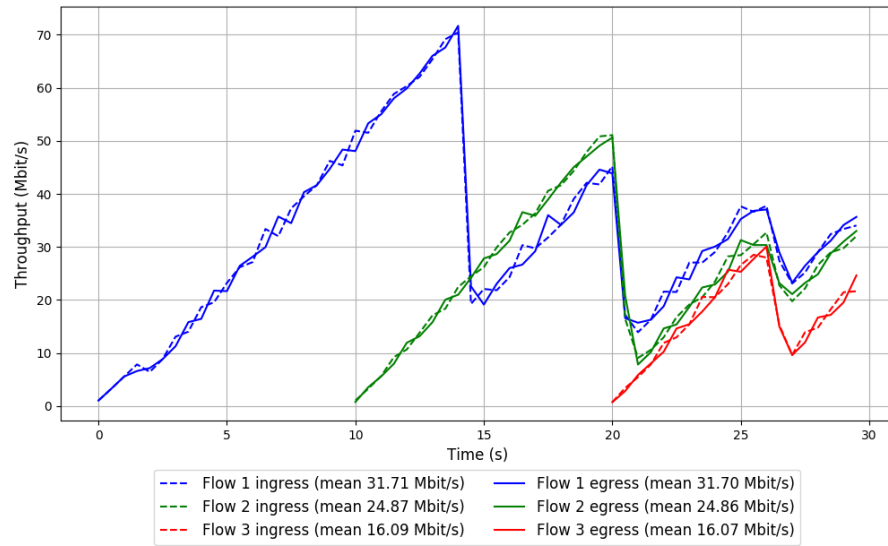


Run 7: Statistics of LEDBAT

Start at: 2018-04-11 01:18:25
End at: 2018-04-11 01:18:55
Local clock offset: 0.796 ms
Remote clock offset: 4.146 ms

Below is generated by plot.py at 2018-04-11 03:30:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 34.139 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 32.602 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 34.867 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 36.815 ms
Loss rate: 0.10%

Run 7: Report of LEDBAT — Data Link

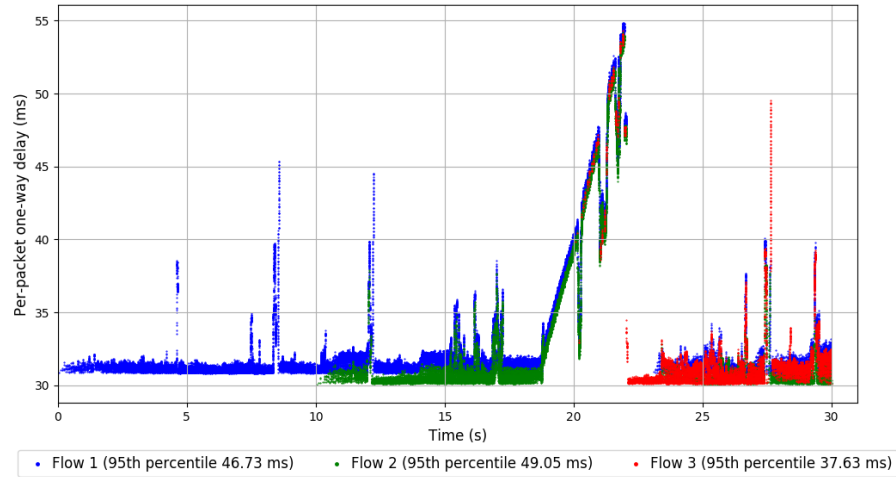
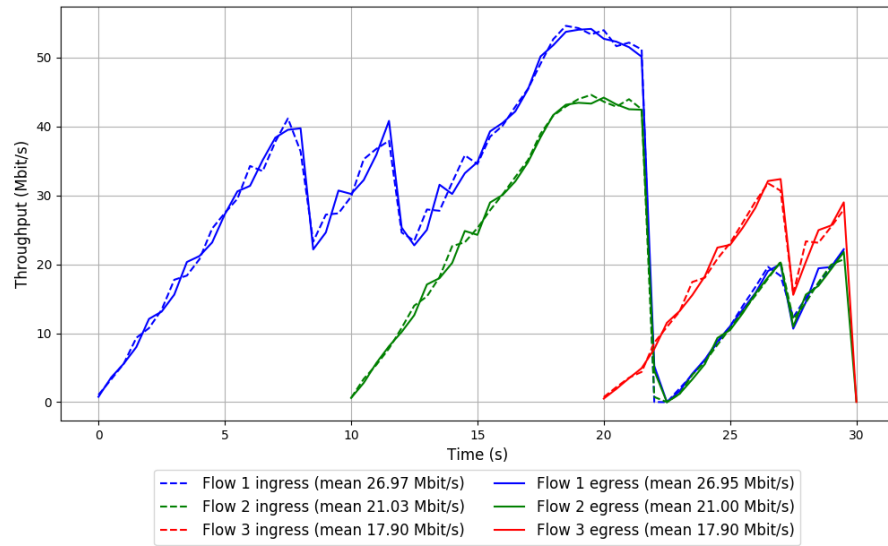


Run 8: Statistics of LEDBAT

Start at: 2018-04-11 01:44:25
End at: 2018-04-11 01:44:55
Local clock offset: 0.542 ms
Remote clock offset: 11.142 ms

Below is generated by plot.py at 2018-04-11 03:30:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 46.980 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 46.734 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 49.050 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 17.90 Mbit/s
95th percentile per-packet one-way delay: 37.635 ms
Loss rate: 0.07%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-11 02:12:09

End at: 2018-04-11 02:12:39

Local clock offset: 0.487 ms

Remote clock offset: 7.117 ms

Below is generated by plot.py at 2018-04-11 03:30:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.56 Mbit/s

95th percentile per-packet one-way delay: 36.891 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 17.12 Mbit/s

95th percentile per-packet one-way delay: 36.742 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 30.342 ms

Loss rate: 0.00%

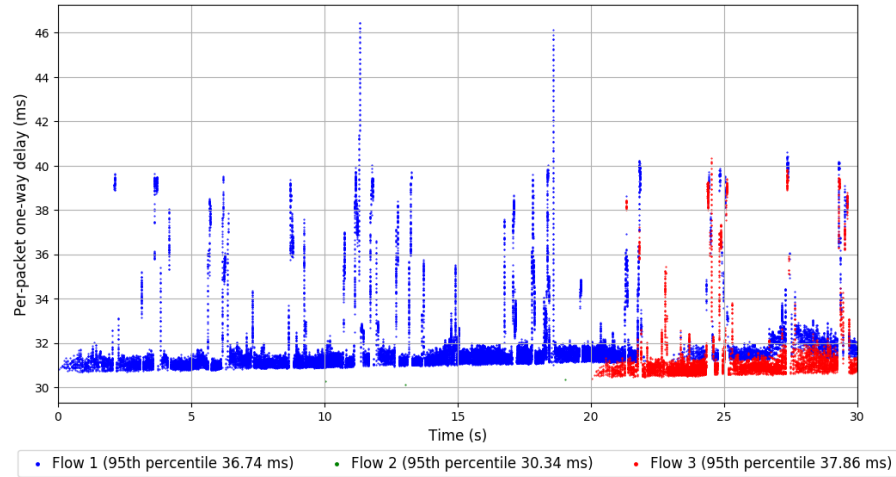
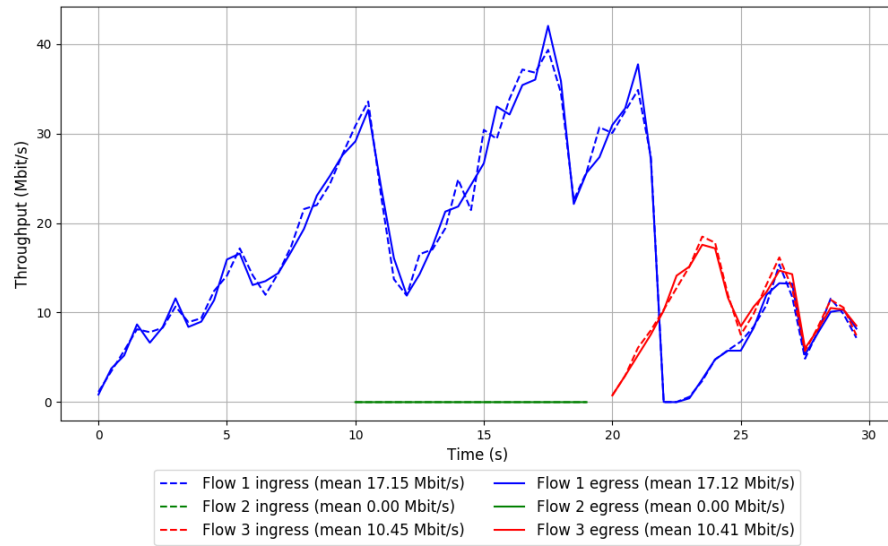
-- Flow 3:

Average throughput: 10.41 Mbit/s

95th percentile per-packet one-way delay: 37.864 ms

Loss rate: 0.43%

Run 9: Report of LEDBAT — Data Link

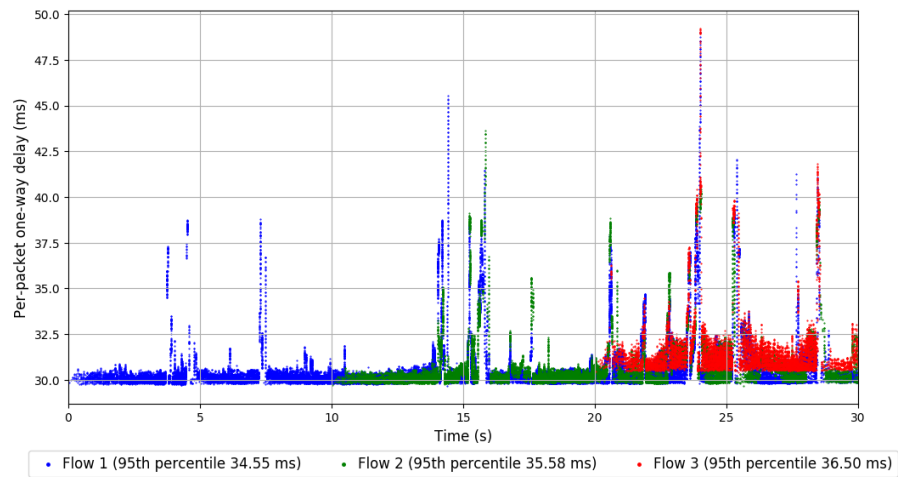
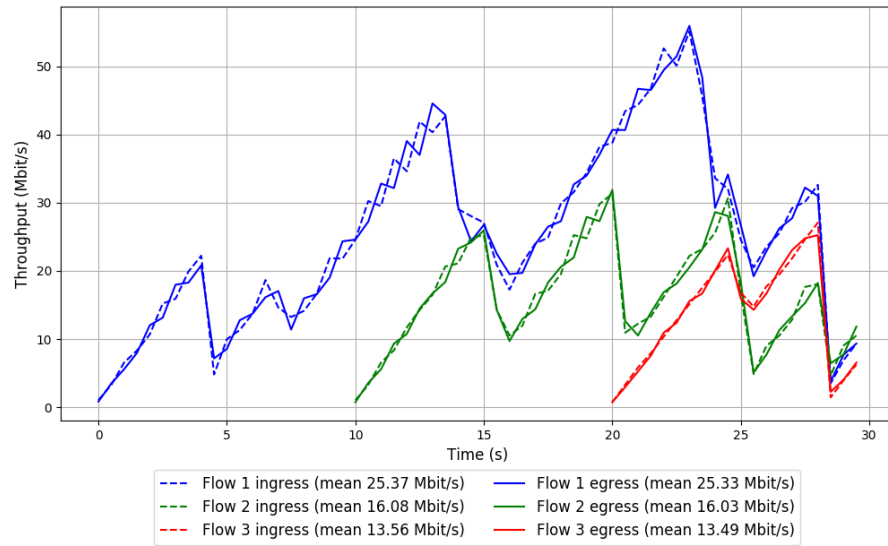


Run 10: Statistics of LEDBAT

Start at: 2018-04-11 02:39:29
End at: 2018-04-11 02:39:59
Local clock offset: 0.138 ms
Remote clock offset: -7.771 ms

Below is generated by plot.py at 2018-04-11 03:30:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 34.980 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 34.555 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 16.03 Mbit/s
95th percentile per-packet one-way delay: 35.576 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 36.503 ms
Loss rate: 0.47%

Run 10: Report of LEDBAT — Data Link

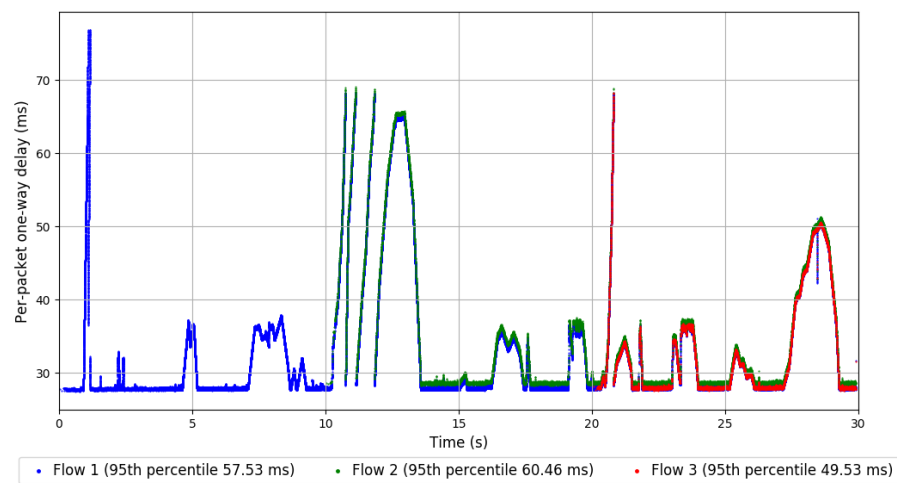
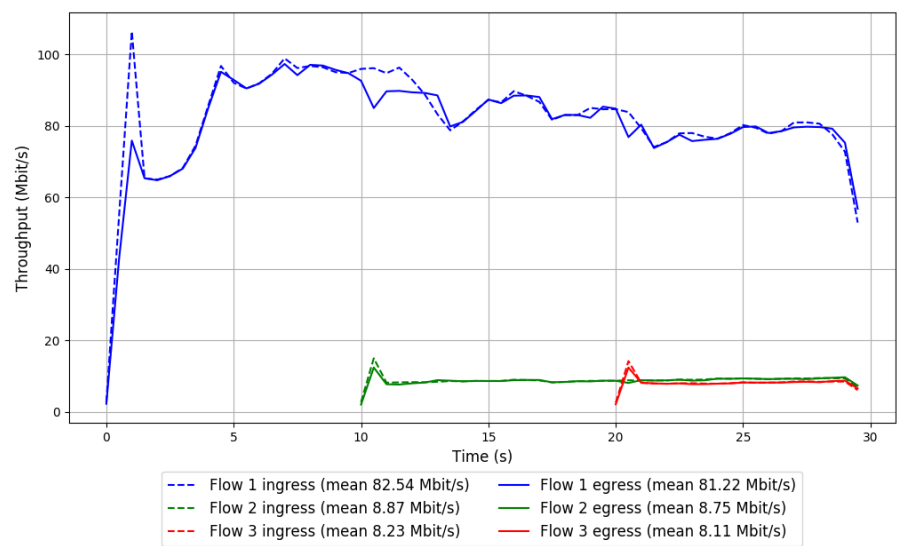


Run 1: Statistics of PCC

Start at: 2018-04-10 22:42:17
End at: 2018-04-10 22:42:47
Local clock offset: 0.603 ms
Remote clock offset: -5.906 ms

Below is generated by plot.py at 2018-04-11 03:31:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 57.520 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 81.22 Mbit/s
95th percentile per-packet one-way delay: 57.529 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 60.458 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 49.533 ms
Loss rate: 1.38%

Run 1: Report of PCC — Data Link

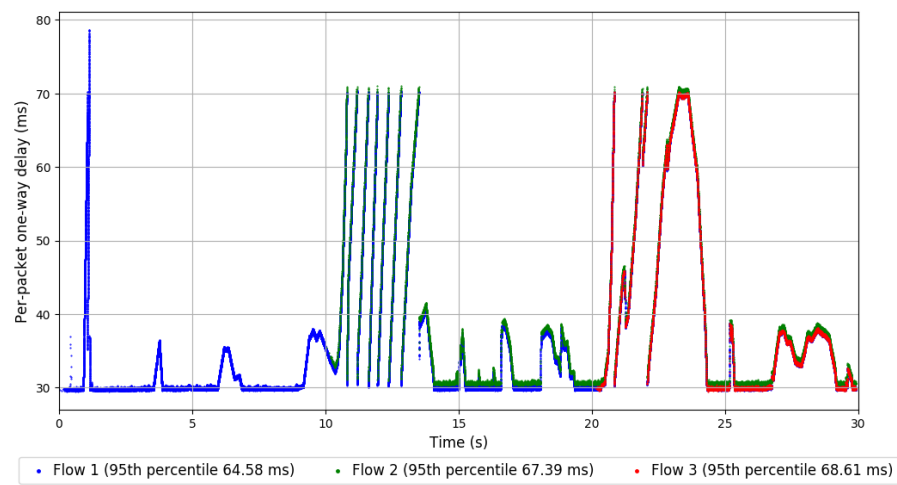
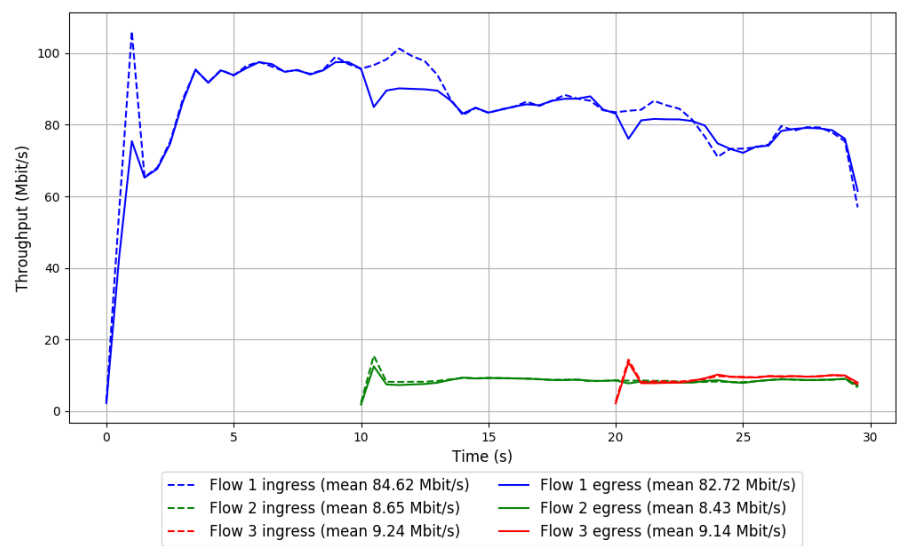


Run 2: Statistics of PCC

Start at: 2018-04-10 23:08:34
End at: 2018-04-10 23:09:04
Local clock offset: 1.139 ms
Remote clock offset: -3.065 ms

Below is generated by plot.py at 2018-04-11 03:31:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 65.069 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 82.72 Mbit/s
95th percentile per-packet one-way delay: 64.577 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 67.387 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 68.607 ms
Loss rate: 1.08%

Run 2: Report of PCC — Data Link

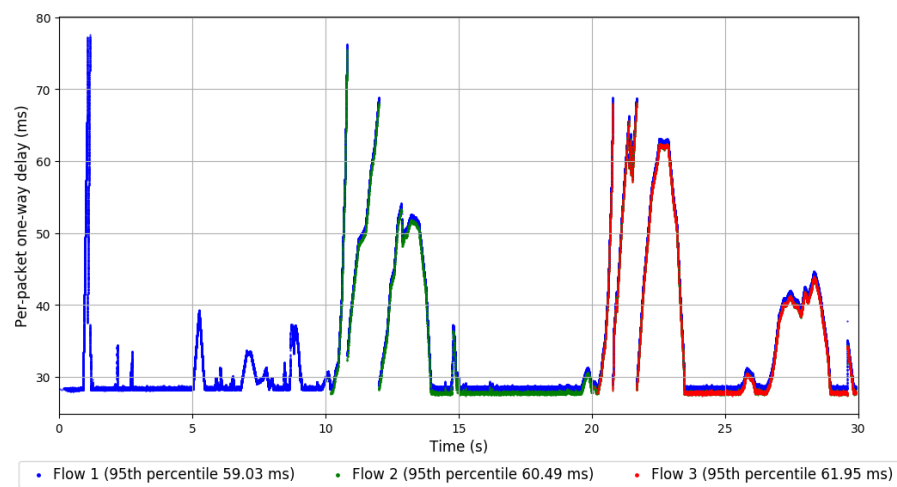
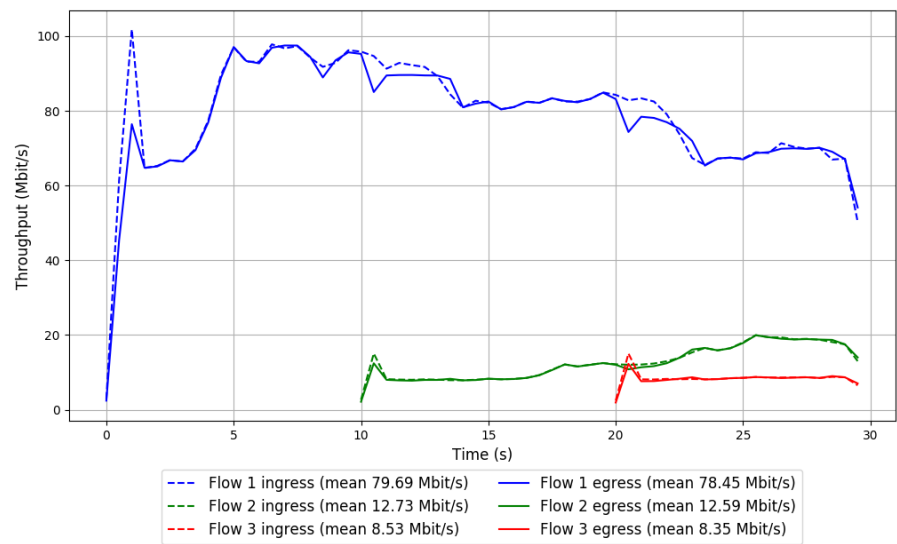


Run 3: Statistics of PCC

Start at: 2018-04-10 23:36:06
End at: 2018-04-10 23:36:36
Local clock offset: 1.195 ms
Remote clock offset: -3.864 ms

Below is generated by plot.py at 2018-04-11 03:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 59.437 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 78.45 Mbit/s
95th percentile per-packet one-way delay: 59.031 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 60.493 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 61.952 ms
Loss rate: 2.10%

Run 3: Report of PCC — Data Link

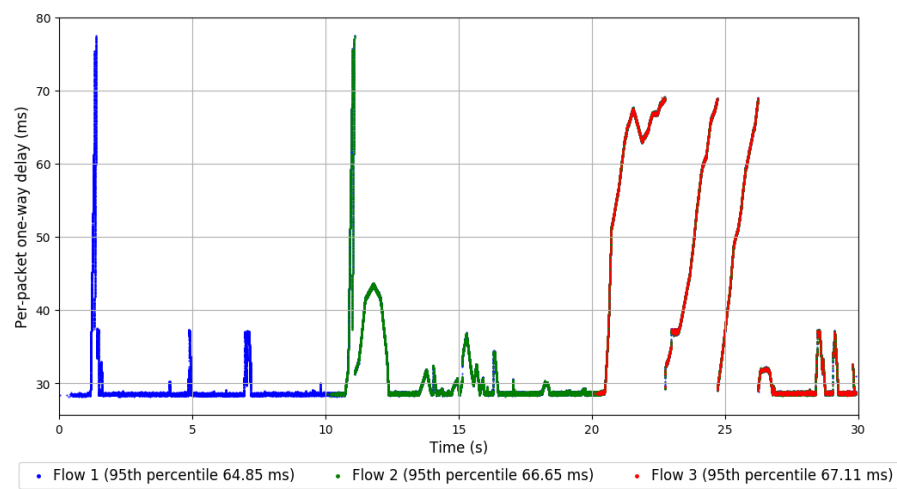
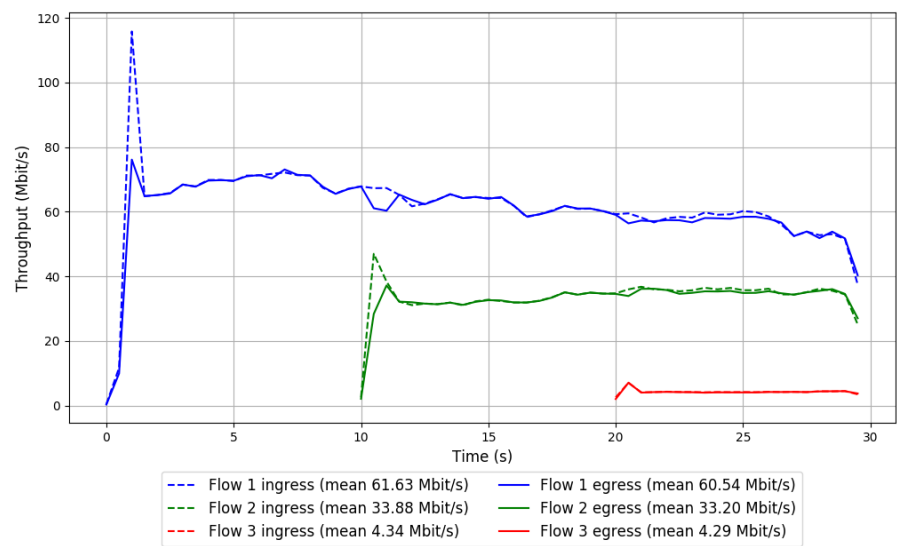


Run 4: Statistics of PCC

Start at: 2018-04-11 00:04:06
End at: 2018-04-11 00:04:36
Local clock offset: 1.959 ms
Remote clock offset: -7.045 ms

Below is generated by plot.py at 2018-04-11 03:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.03 Mbit/s
95th percentile per-packet one-way delay: 65.744 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 64.851 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 66.647 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 67.115 ms
Loss rate: 1.21%

Run 4: Report of PCC — Data Link

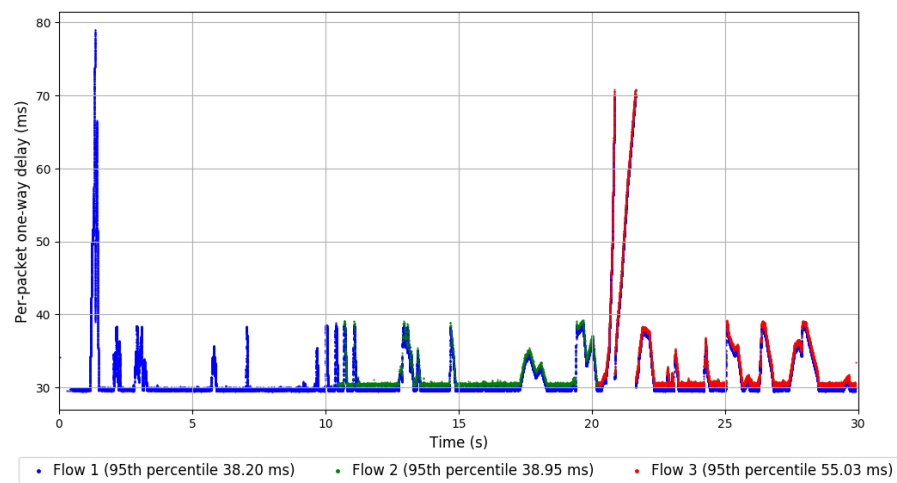
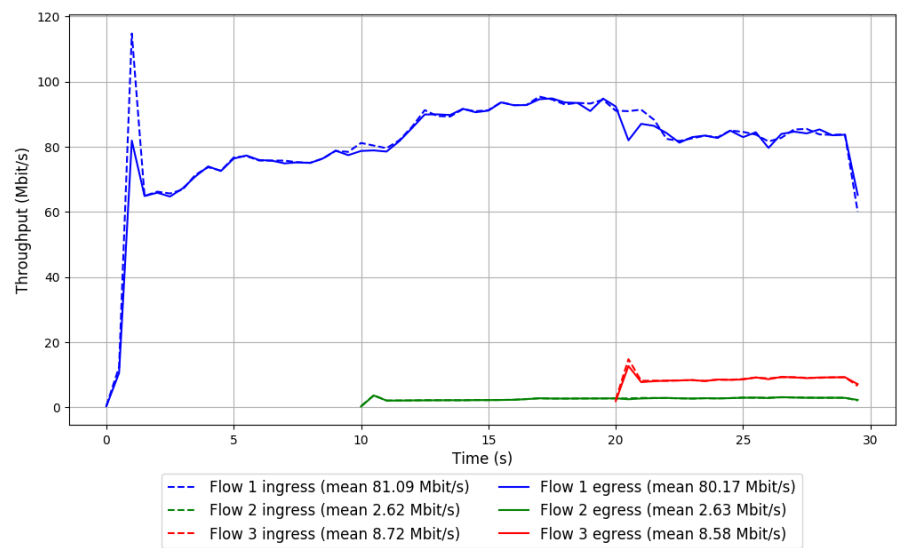


Run 5: Statistics of PCC

Start at: 2018-04-11 00:34:00
End at: 2018-04-11 00:34:30
Local clock offset: 1.682 ms
Remote clock offset: -3.262 ms

Below is generated by plot.py at 2018-04-11 03:31:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 38.299 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 38.202 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 38.951 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 55.034 ms
Loss rate: 1.65%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-04-11 01:02:29

End at: 2018-04-11 01:02:59

Local clock offset: 1.263 ms

Remote clock offset: 2.023 ms

Below is generated by plot.py at 2018-04-11 03:32:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.48 Mbit/s

95th percentile per-packet one-way delay: 65.948 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 79.47 Mbit/s

95th percentile per-packet one-way delay: 65.661 ms

Loss rate: 2.64%

-- Flow 2:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 66.900 ms

Loss rate: 2.98%

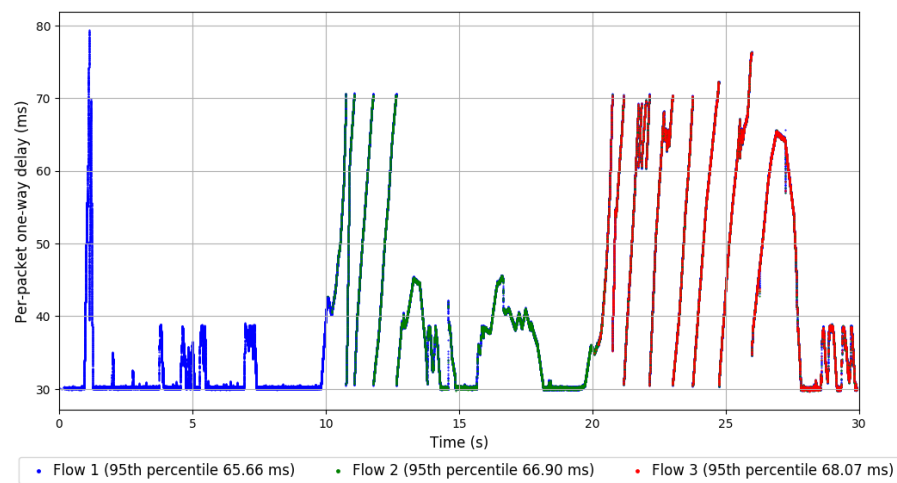
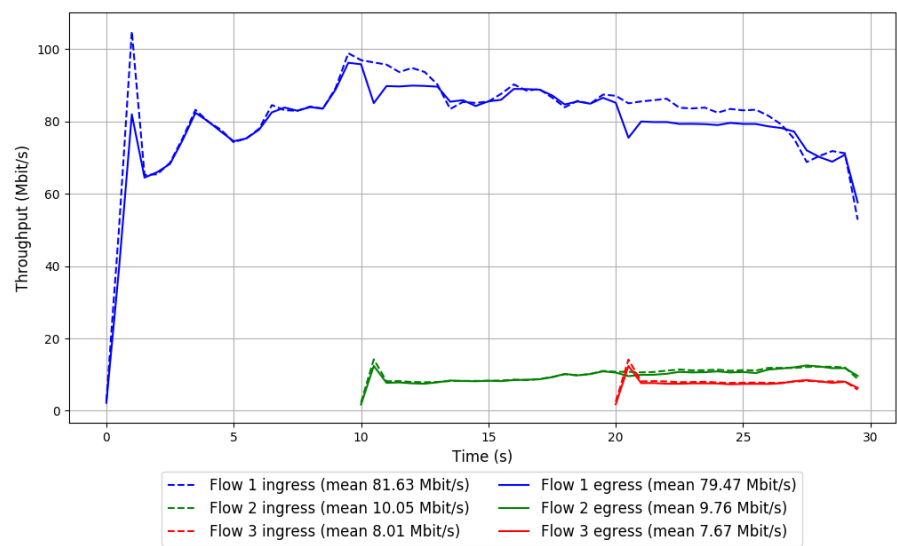
-- Flow 3:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 68.071 ms

Loss rate: 4.30%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-04-11 01:28:52

End at: 2018-04-11 01:29:22

Local clock offset: 0.642 ms

Remote clock offset: 8.639 ms

Below is generated by plot.py at 2018-04-11 03:32:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 65.611 ms

Loss rate: 3.14%

-- Flow 1:

Average throughput: 81.79 Mbit/s

95th percentile per-packet one-way delay: 65.583 ms

Loss rate: 3.21%

-- Flow 2:

Average throughput: 8.47 Mbit/s

95th percentile per-packet one-way delay: 66.173 ms

Loss rate: 3.62%

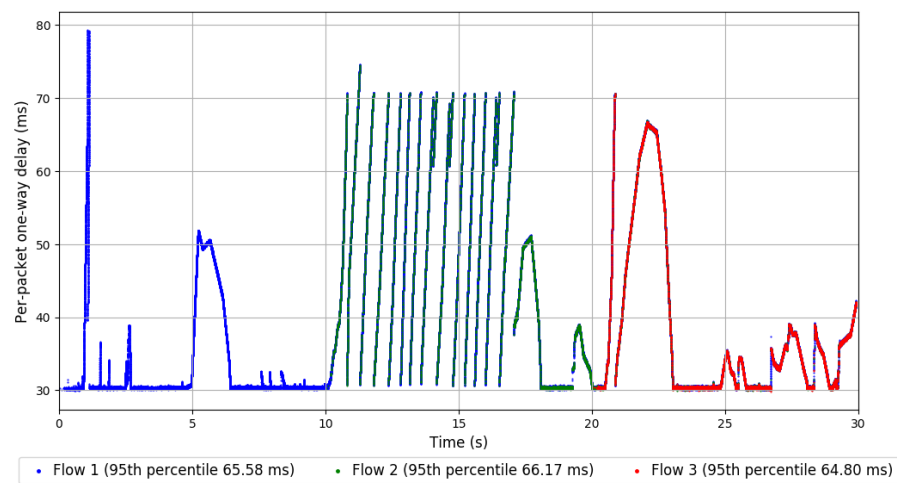
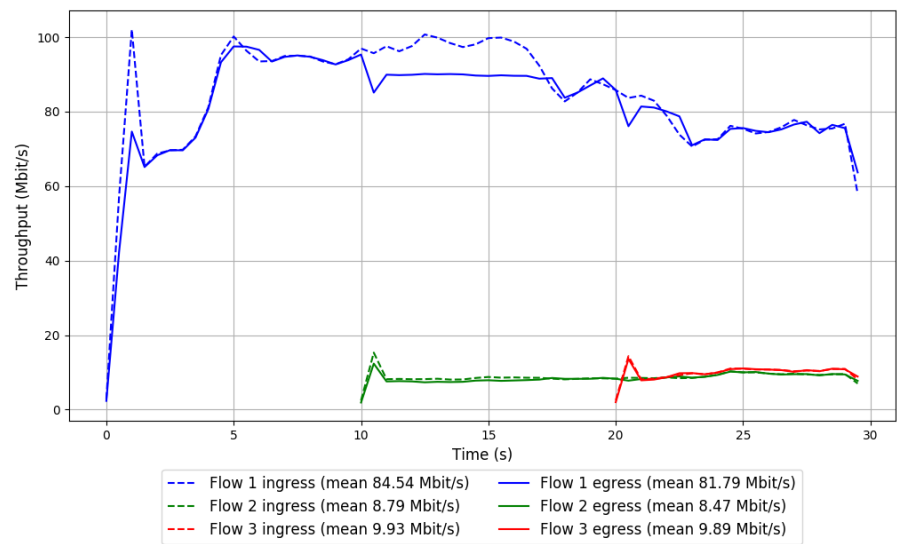
-- Flow 3:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 64.802 ms

Loss rate: 0.37%

Run 7: Report of PCC — Data Link

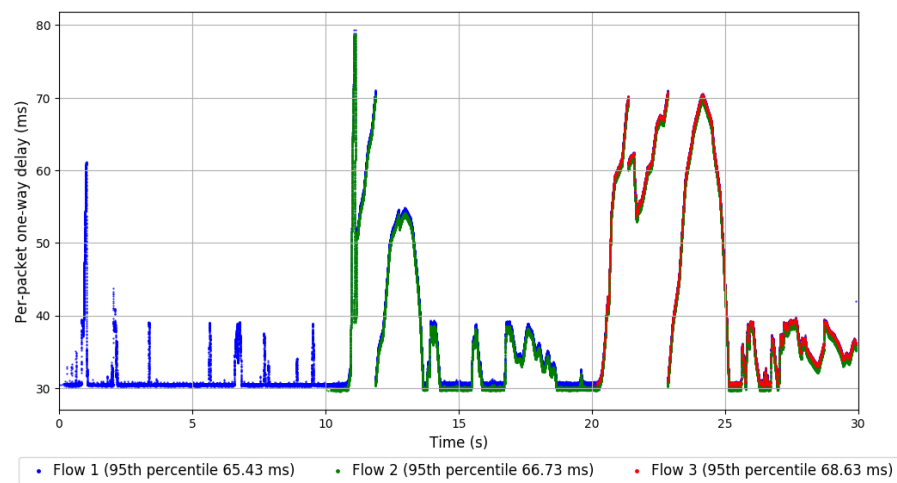
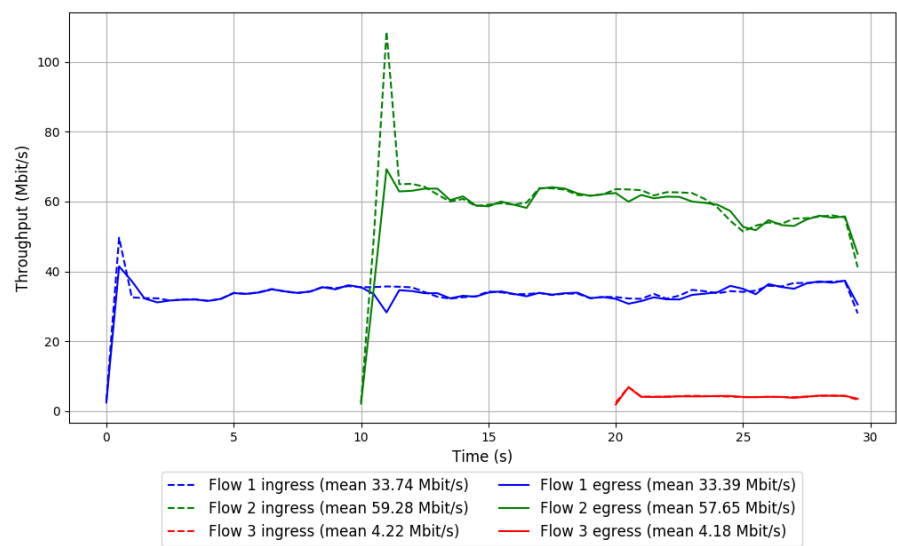


Run 8: Statistics of PCC

Start at: 2018-04-11 01:55:28
End at: 2018-04-11 01:55:58
Local clock offset: 0.544 ms
Remote clock offset: 12.453 ms

Below is generated by plot.py at 2018-04-11 03:32:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 66.603 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 65.430 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 66.734 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 68.627 ms
Loss rate: 1.09%

Run 8: Report of PCC — Data Link

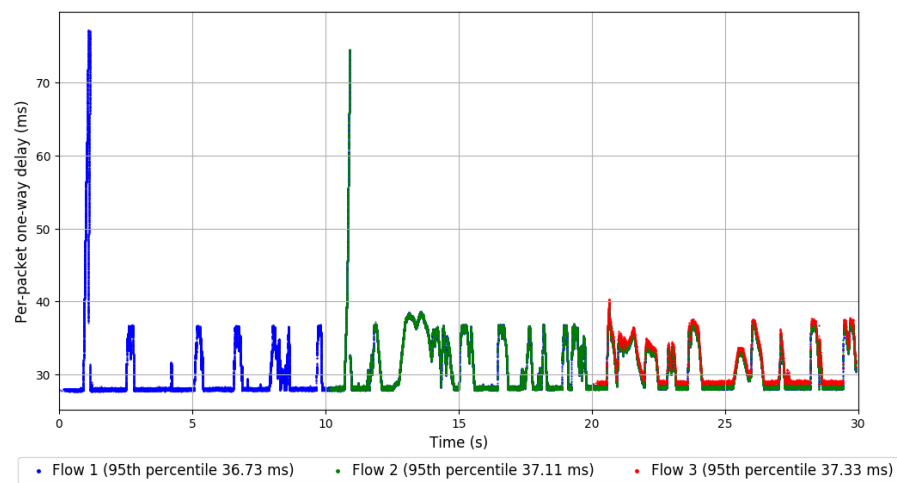
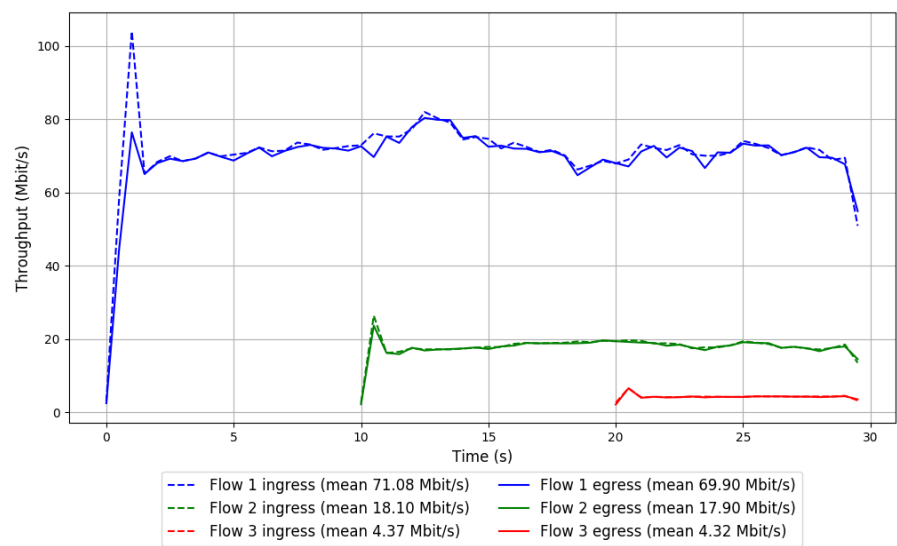


Run 9: Statistics of PCC

Start at: 2018-04-11 02:22:42
End at: 2018-04-11 02:23:12
Local clock offset: 0.257 ms
Remote clock offset: -4.463 ms

Below is generated by plot.py at 2018-04-11 03:33:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 36.774 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 69.90 Mbit/s
95th percentile per-packet one-way delay: 36.727 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 17.90 Mbit/s
95th percentile per-packet one-way delay: 37.107 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 37.332 ms
Loss rate: 1.10%

Run 9: Report of PCC — Data Link

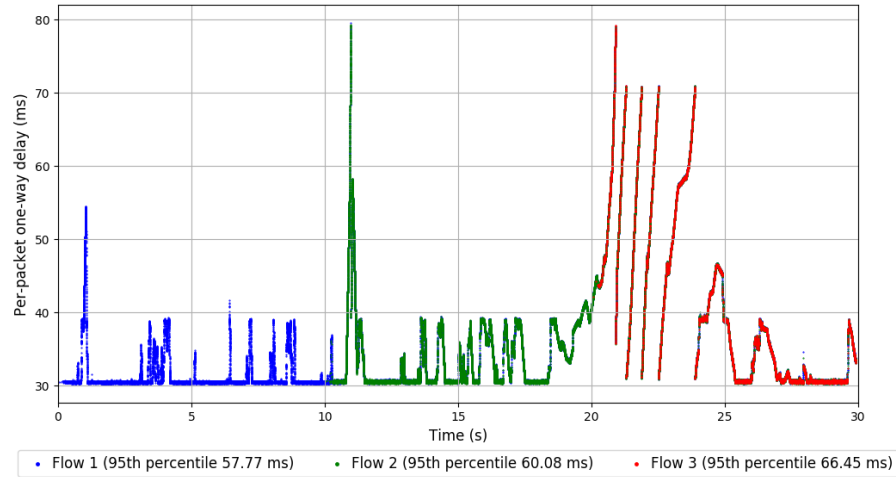
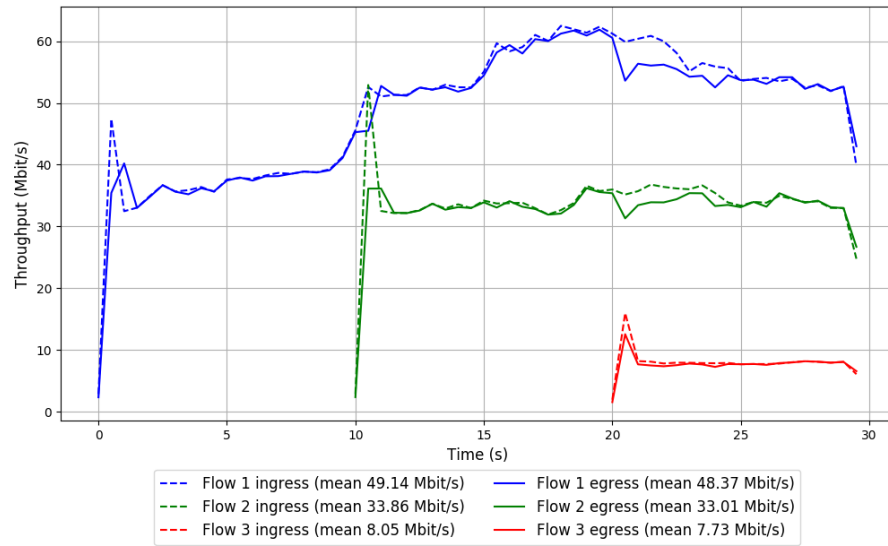


Run 10: Statistics of PCC

Start at: 2018-04-11 02:49:46
End at: 2018-04-11 02:50:16
Local clock offset: 0.614 ms
Remote clock offset: -5.788 ms

Below is generated by plot.py at 2018-04-11 03:33:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.86 Mbit/s
95th percentile per-packet one-way delay: 58.573 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 57.769 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 60.083 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 7.73 Mbit/s
95th percentile per-packet one-way delay: 66.455 ms
Loss rate: 4.12%

Run 10: Report of PCC — Data Link

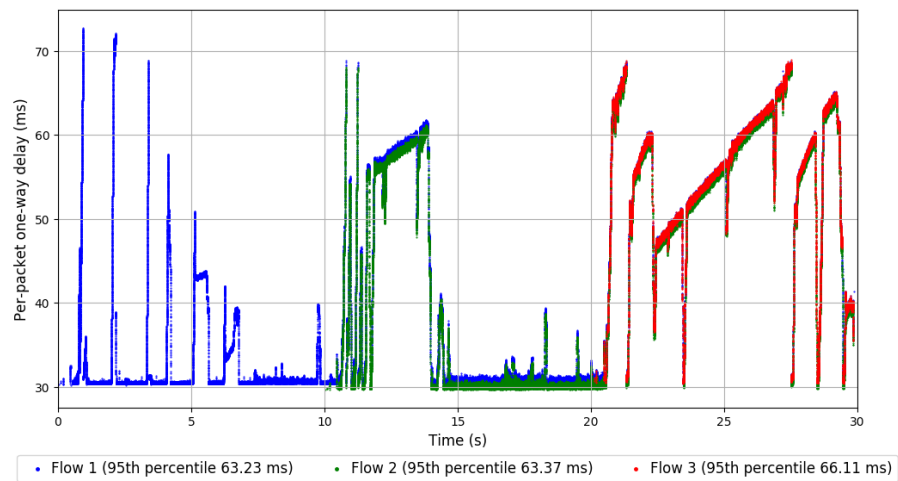
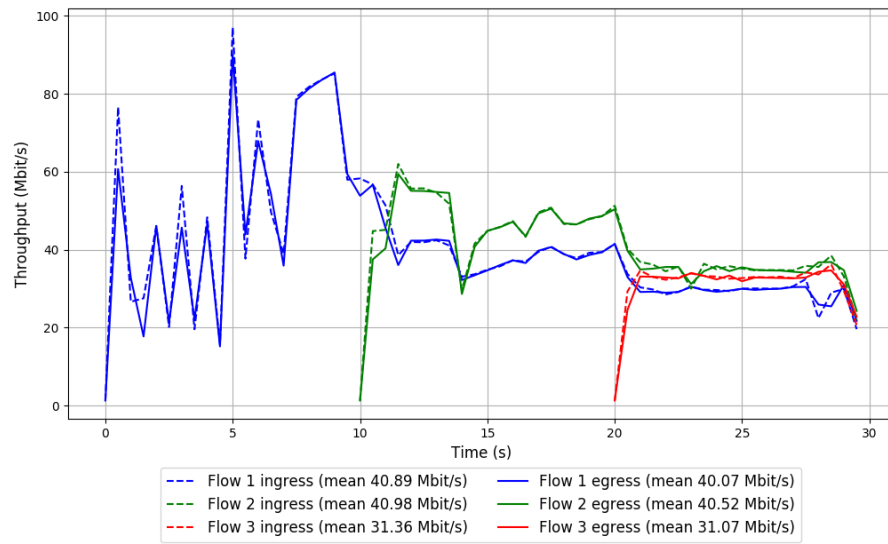


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-10 22:40:46
End at: 2018-04-10 22:41:16
Local clock offset: 0.485 ms
Remote clock offset: -3.781 ms

Below is generated by plot.py at 2018-04-11 03:33:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 64.053 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 63.235 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 63.366 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 66.113 ms
Loss rate: 0.89%

Run 1: Report of QUIC Cubic — Data Link

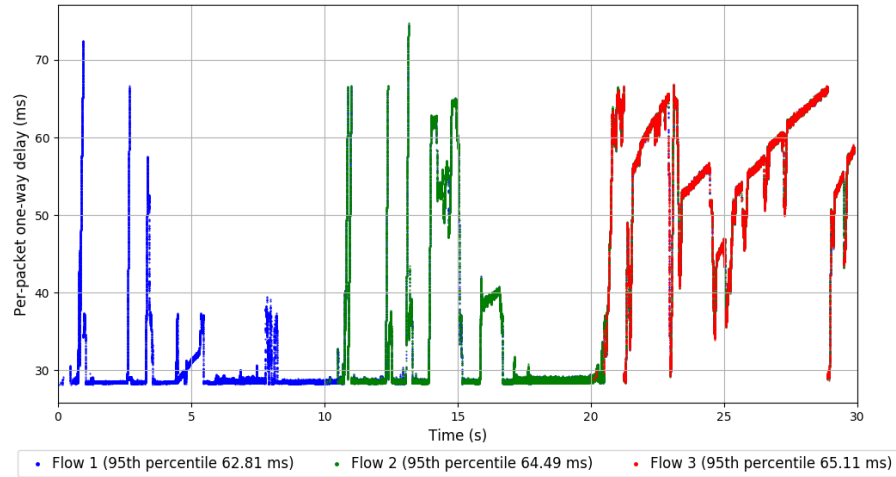
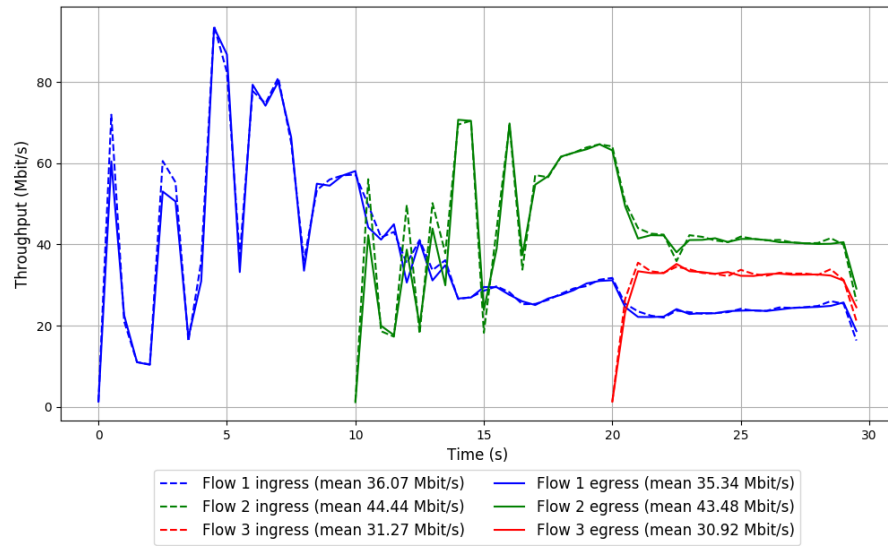


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-10 23:07:07
End at: 2018-04-10 23:07:37
Local clock offset: 1.113 ms
Remote clock offset: -5.107 ms

Below is generated by plot.py at 2018-04-11 03:33:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.42 Mbit/s
95th percentile per-packet one-way delay: 64.355 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 35.34 Mbit/s
95th percentile per-packet one-way delay: 62.814 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 43.48 Mbit/s
95th percentile per-packet one-way delay: 64.494 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 65.109 ms
Loss rate: 0.82%

Run 2: Report of QUIC Cubic — Data Link

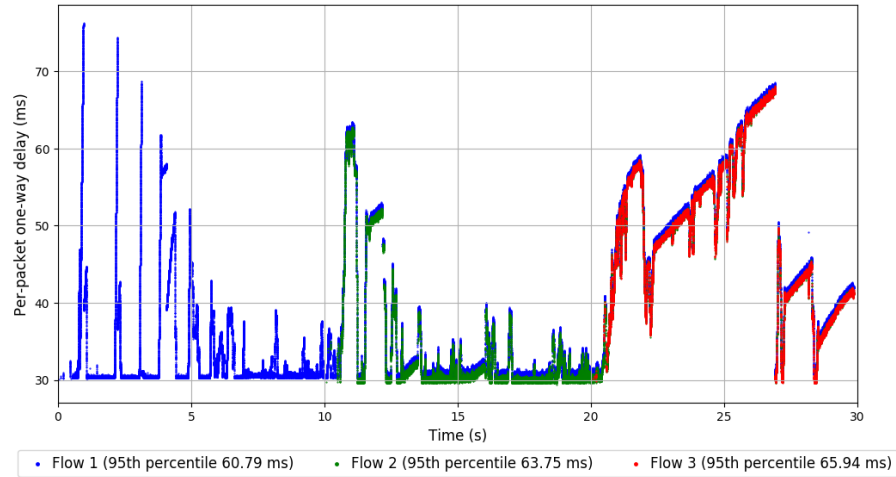
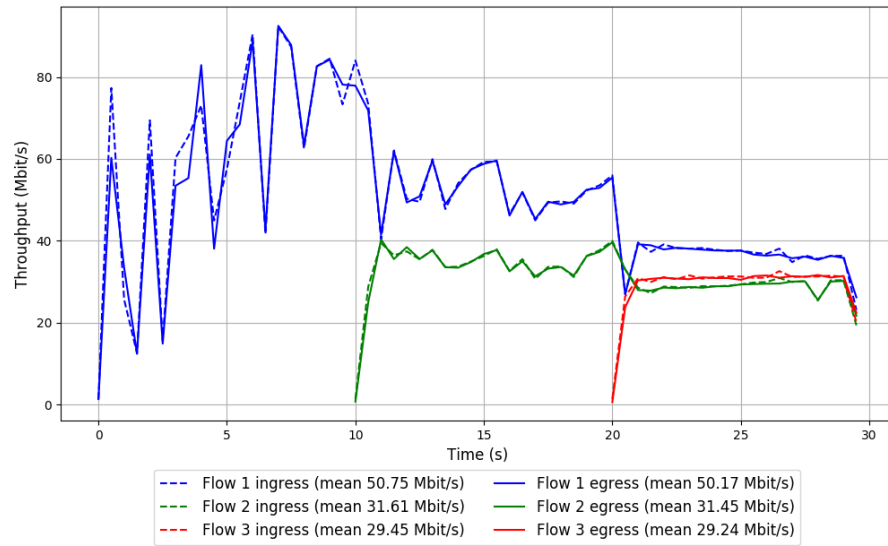


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-10 23:34:35
End at: 2018-04-10 23:35:05
Local clock offset: 1.162 ms
Remote clock offset: -1.784 ms

Below is generated by plot.py at 2018-04-11 03:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 62.958 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 60.788 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 63.754 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 65.937 ms
Loss rate: 0.58%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-11 00:02:29

End at: 2018-04-11 00:02:59

Local clock offset: 1.928 ms

Remote clock offset: -6.78 ms

Below is generated by plot.py at 2018-04-11 03:33:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.30 Mbit/s

95th percentile per-packet one-way delay: 62.164 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 31.58 Mbit/s

95th percentile per-packet one-way delay: 53.611 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 45.19 Mbit/s

95th percentile per-packet one-way delay: 63.229 ms

Loss rate: 2.07%

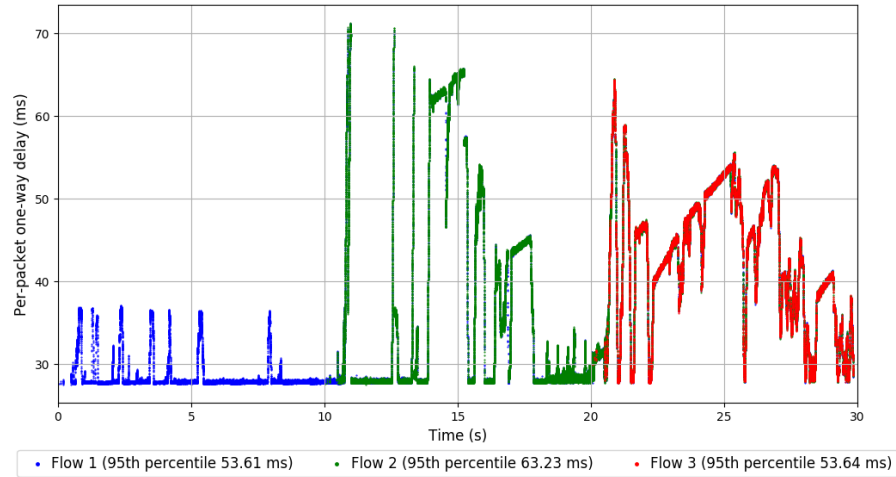
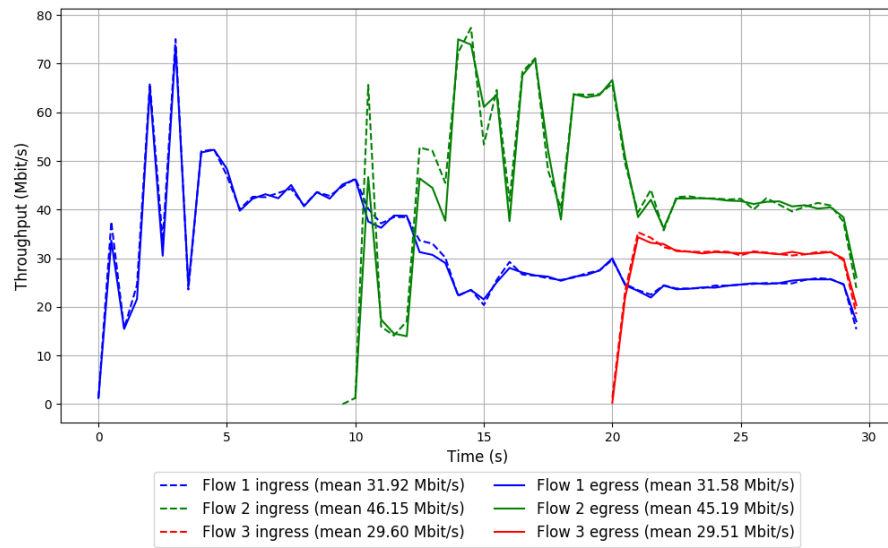
-- Flow 3:

Average throughput: 29.51 Mbit/s

95th percentile per-packet one-way delay: 53.643 ms

Loss rate: 0.30%

Run 4: Report of QUIC Cubic — Data Link

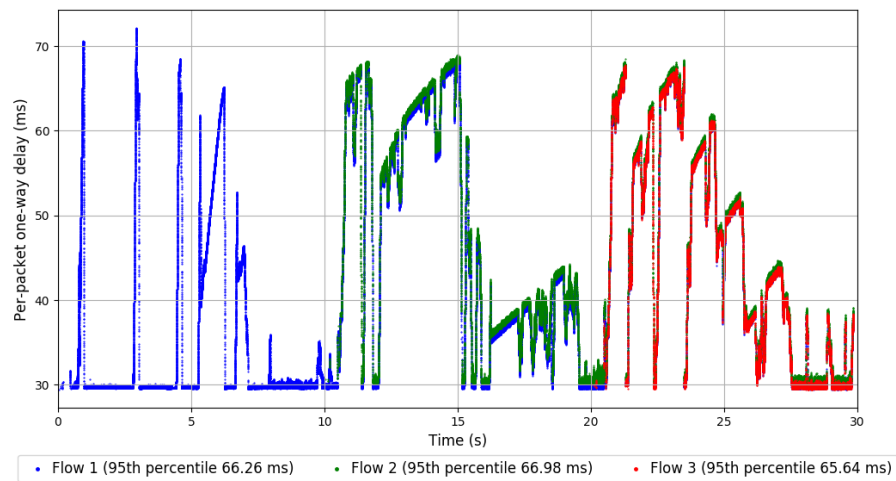
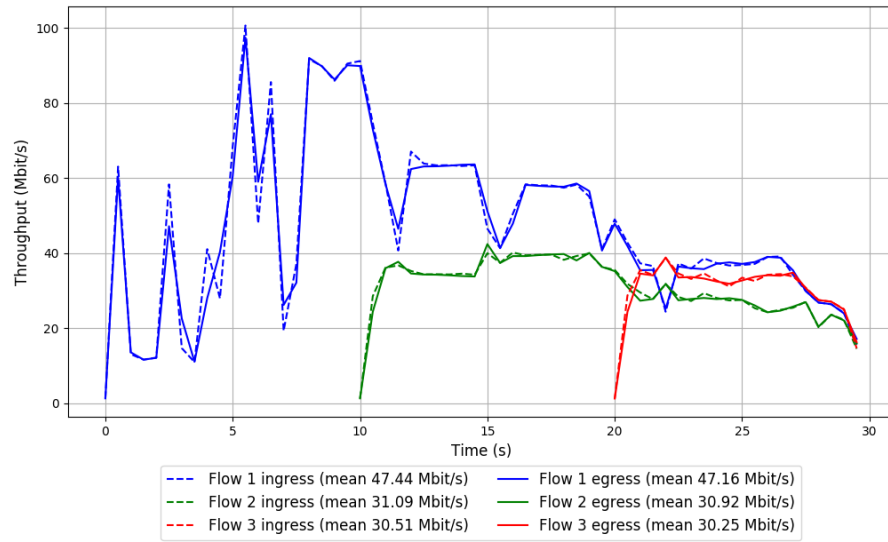


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-11 00:32:27
End at: 2018-04-11 00:32:57
Local clock offset: 1.735 ms
Remote clock offset: -3.582 ms

Below is generated by plot.py at 2018-04-11 03:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.64 Mbit/s
95th percentile per-packet one-way delay: 66.364 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 66.260 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 66.978 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 65.645 ms
Loss rate: 0.76%

Run 5: Report of QUIC Cubic — Data Link

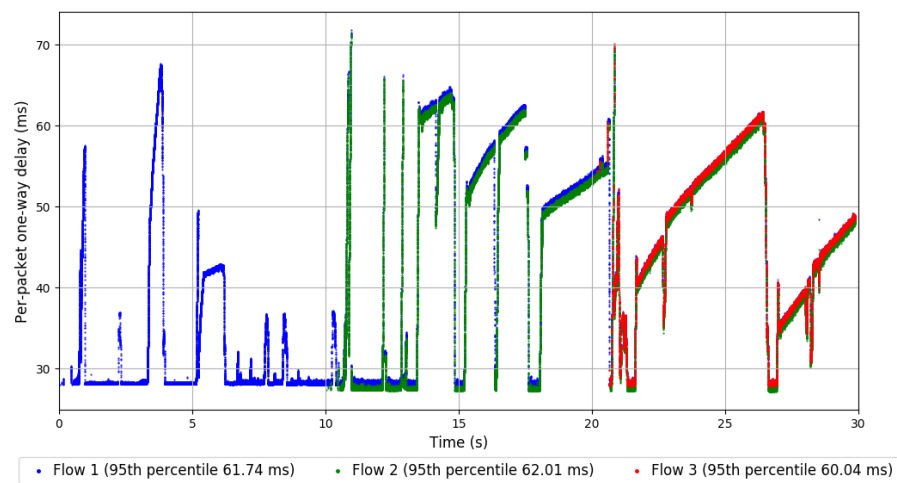
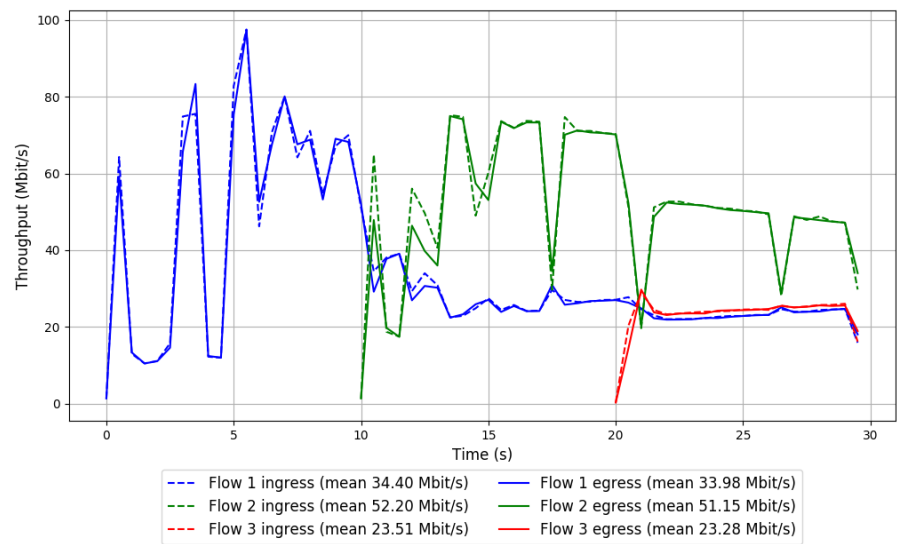


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-11 01:01:01
End at: 2018-04-11 01:01:31
Local clock offset: 1.255 ms
Remote clock offset: -1.331 ms

Below is generated by plot.py at 2018-04-11 03:33:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 61.699 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 61.738 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 62.010 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 23.28 Mbit/s
95th percentile per-packet one-way delay: 60.039 ms
Loss rate: 1.01%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-11 01:27:29

End at: 2018-04-11 01:27:59

Local clock offset: 0.648 ms

Remote clock offset: 7.928 ms

Below is generated by plot.py at 2018-04-11 03:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.68 Mbit/s

95th percentile per-packet one-way delay: 60.165 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 59.41 Mbit/s

95th percentile per-packet one-way delay: 60.029 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 26.32 Mbit/s

95th percentile per-packet one-way delay: 60.384 ms

Loss rate: 1.09%

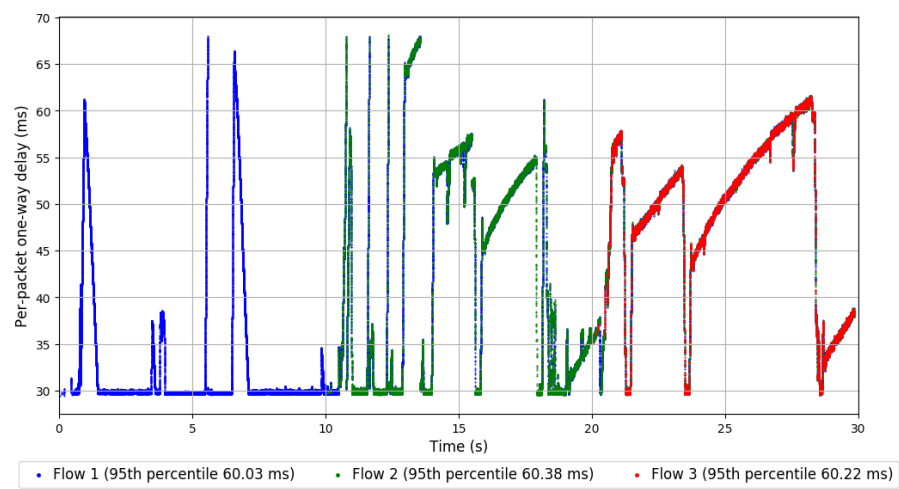
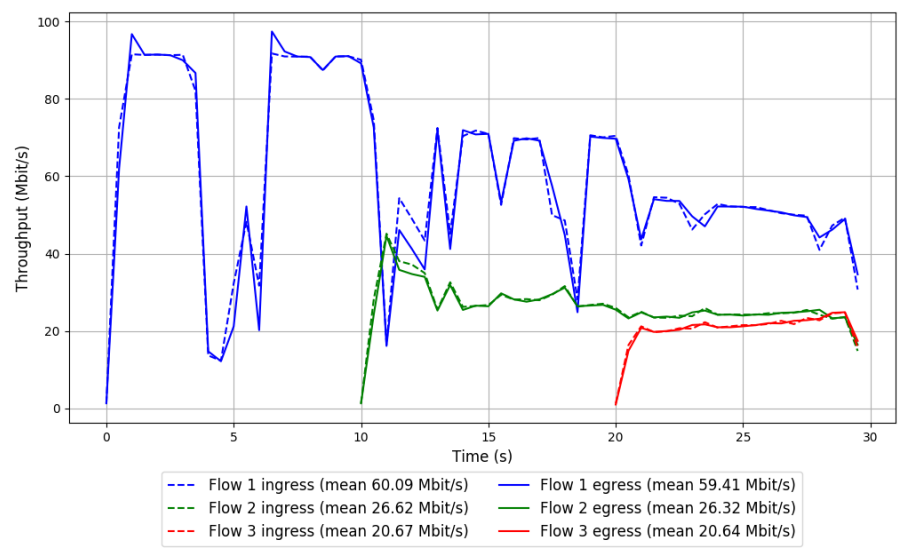
-- Flow 3:

Average throughput: 20.64 Mbit/s

95th percentile per-packet one-way delay: 60.215 ms

Loss rate: 0.11%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-11 01:53:52

End at: 2018-04-11 01:54:22

Local clock offset: 0.477 ms

Remote clock offset: 9.955 ms

Below is generated by plot.py at 2018-04-11 03:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.41 Mbit/s

95th percentile per-packet one-way delay: 55.376 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 39.71 Mbit/s

95th percentile per-packet one-way delay: 54.514 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 42.77 Mbit/s

95th percentile per-packet one-way delay: 56.720 ms

Loss rate: 1.97%

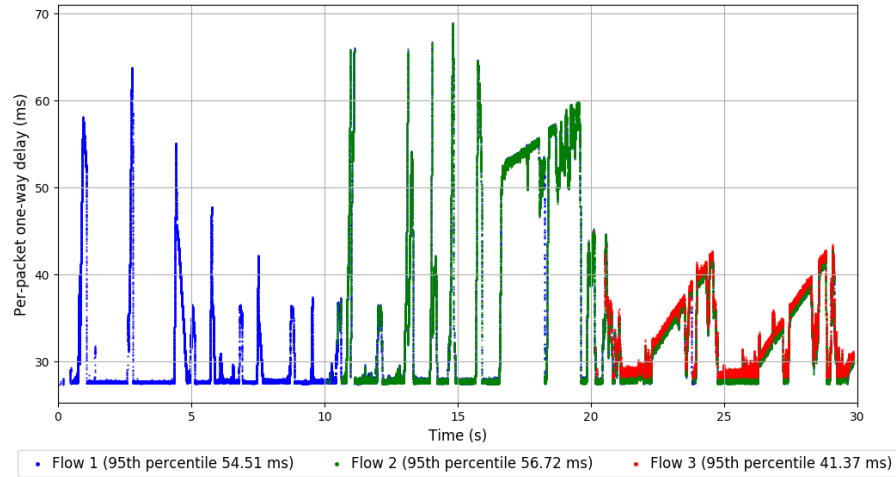
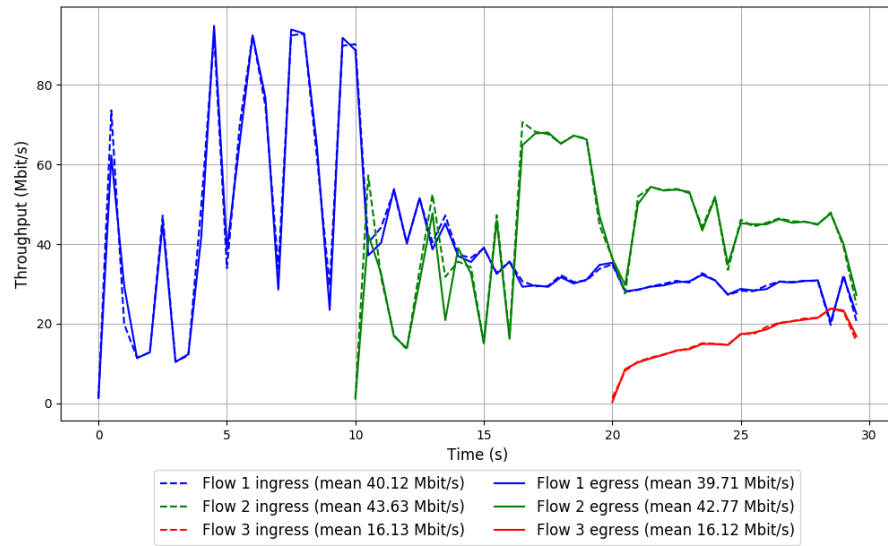
-- Flow 3:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 41.369 ms

Loss rate: 0.23%

Run 8: Report of QUIC Cubic — Data Link

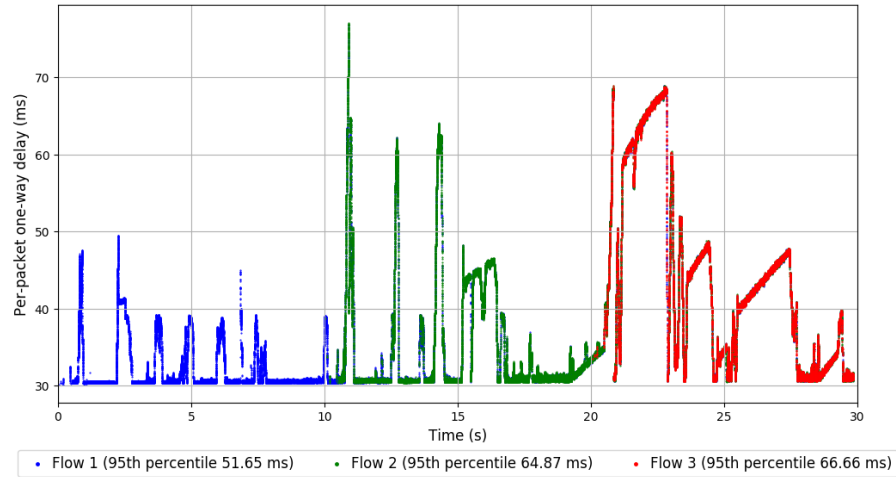
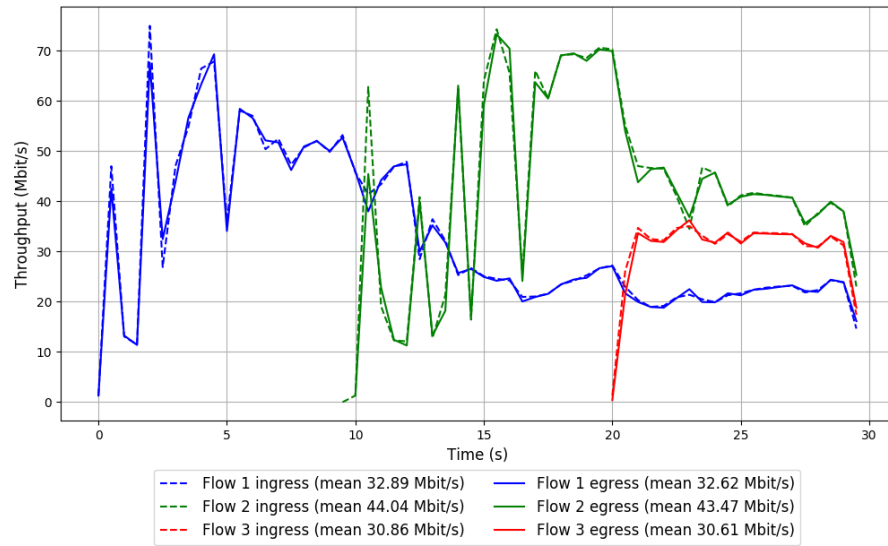


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-11 02:21:07
End at: 2018-04-11 02:21:37
Local clock offset: 0.303 ms
Remote clock offset: -1.037 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.56 Mbit/s
95th percentile per-packet one-way delay: 63.666 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 51.653 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 64.868 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 66.655 ms
Loss rate: 0.84%

Run 9: Report of QUIC Cubic — Data Link

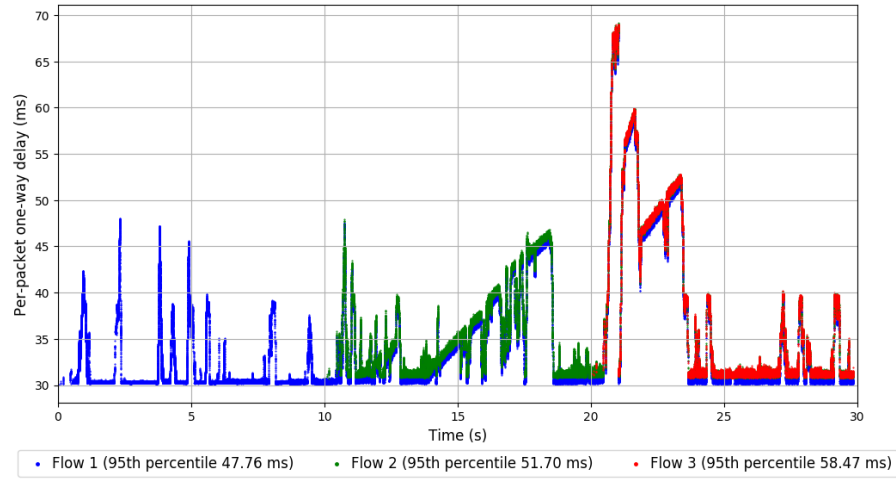
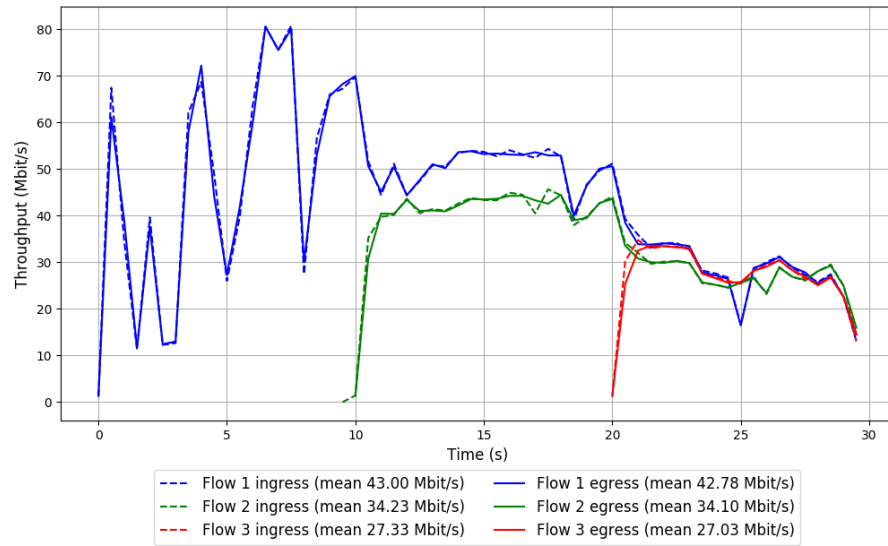


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-11 02:48:15
End at: 2018-04-11 02:48:45
Local clock offset: 0.45 ms
Remote clock offset: -5.599 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.34 Mbit/s
95th percentile per-packet one-way delay: 51.419 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 47.759 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 51.698 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 58.465 ms
Loss rate: 1.07%

Run 10: Report of QUIC Cubic — Data Link

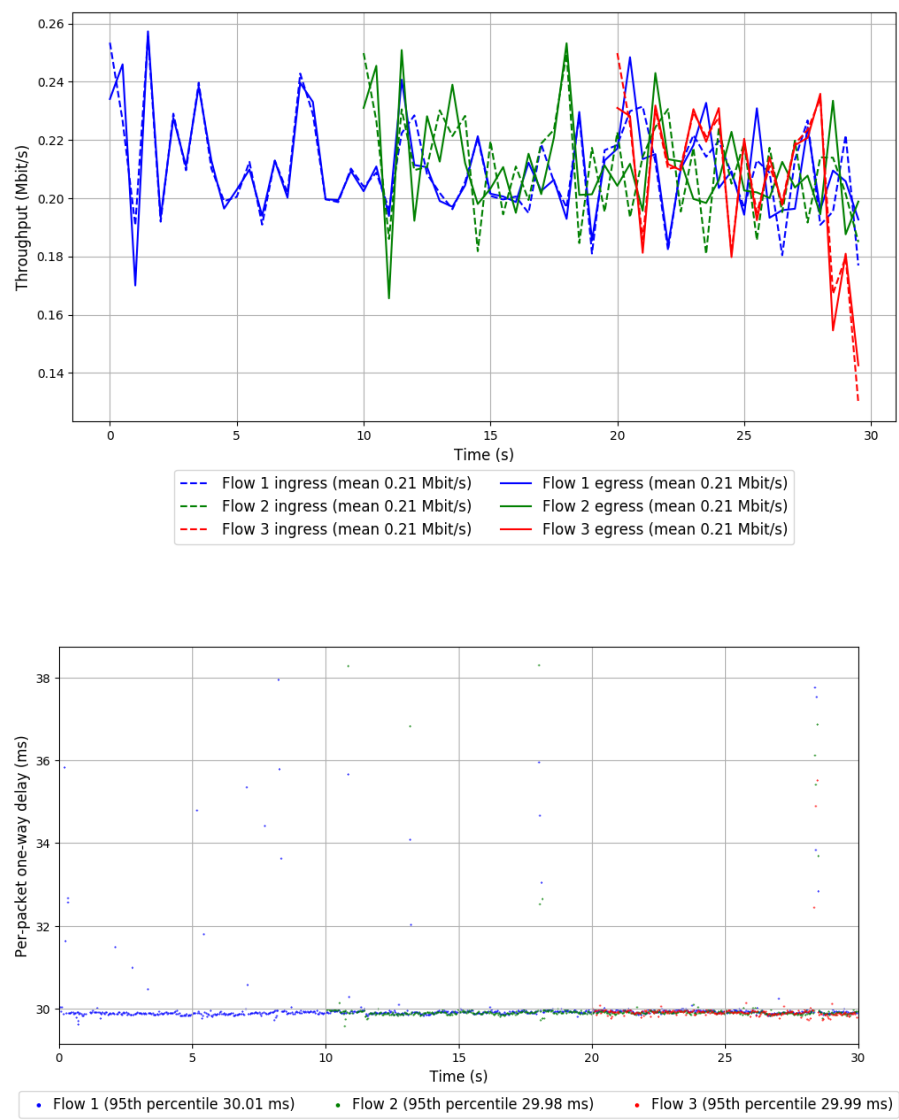


```
Run 1: Statistics of SReAM

Start at: 2018-04-10 22:30:44
End at: 2018-04-10 22:31:14
Local clock offset: 0.423 ms
Remote clock offset: -3.244 ms

# Below is generated by plot.py at 2018-04-11 03:34:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 29.995 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.006 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.982 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.986 ms
Loss rate: 0.41%
```

Run 1: Report of SReAM — Data Link

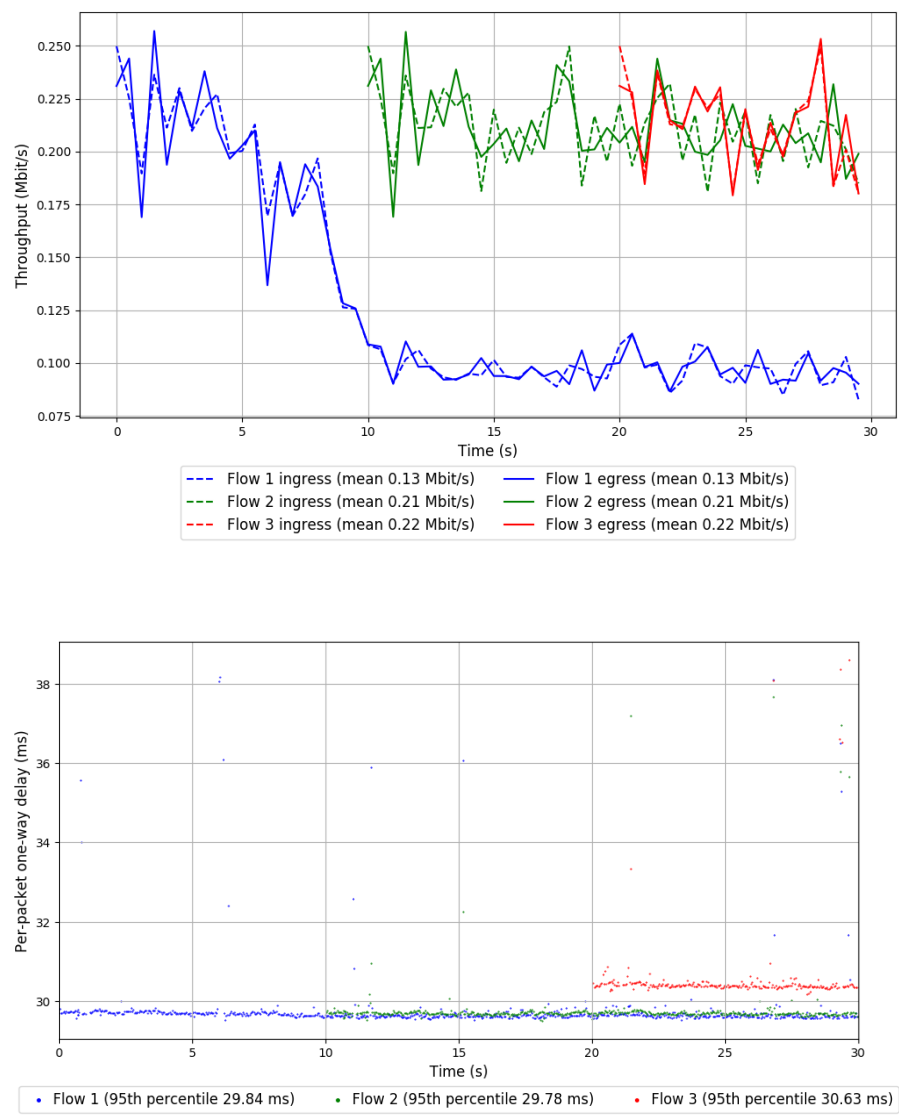


```
Run 2: Statistics of SReAM

Start at: 2018-04-10 22:56:57
End at: 2018-04-10 22:57:27
Local clock offset: 0.984 ms
Remote clock offset: -3.026 ms

# Below is generated by plot.py at 2018-04-11 03:34:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 30.440 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 29.835 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.776 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.626 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

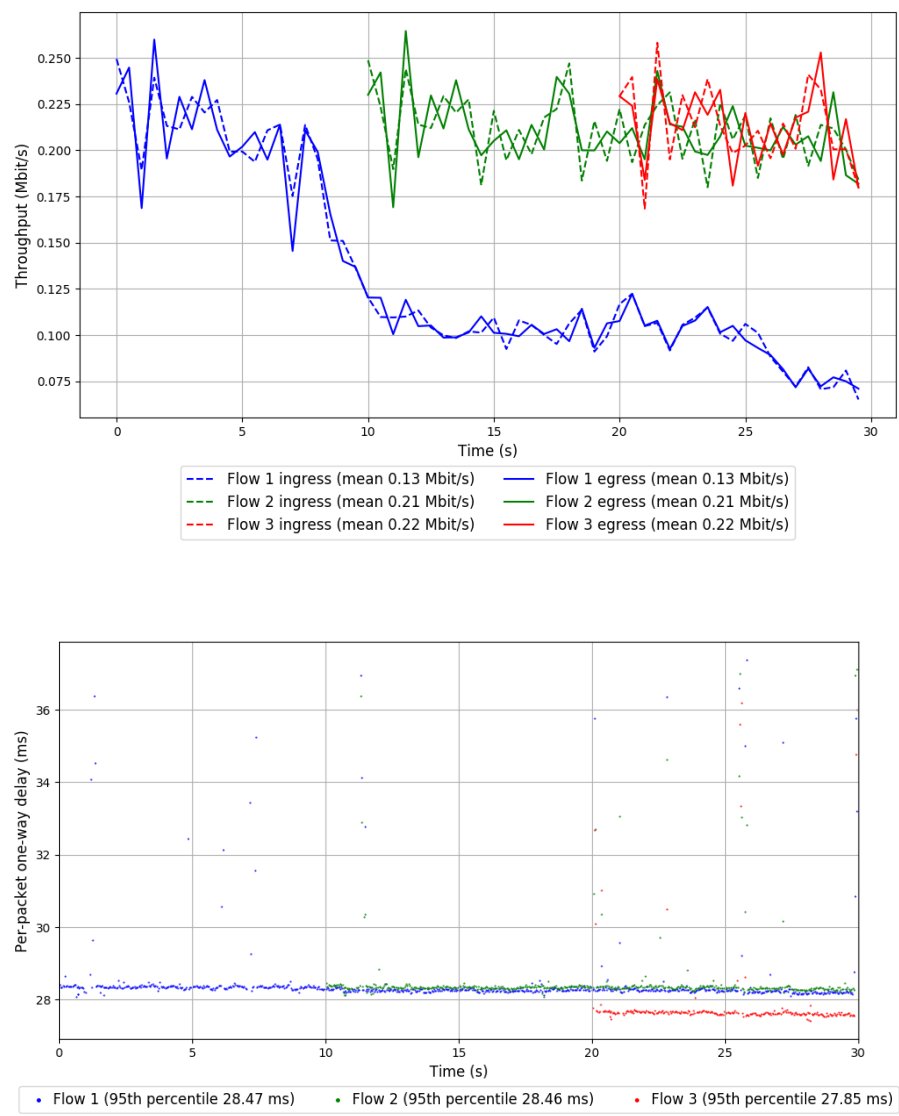


Run 3: Statistics of SReAM

Start at: 2018-04-10 23:24:03
End at: 2018-04-10 23:24:33
Local clock offset: 1.059 ms
Remote clock offset: -4.397 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 28.459 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 28.471 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 28.462 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.852 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

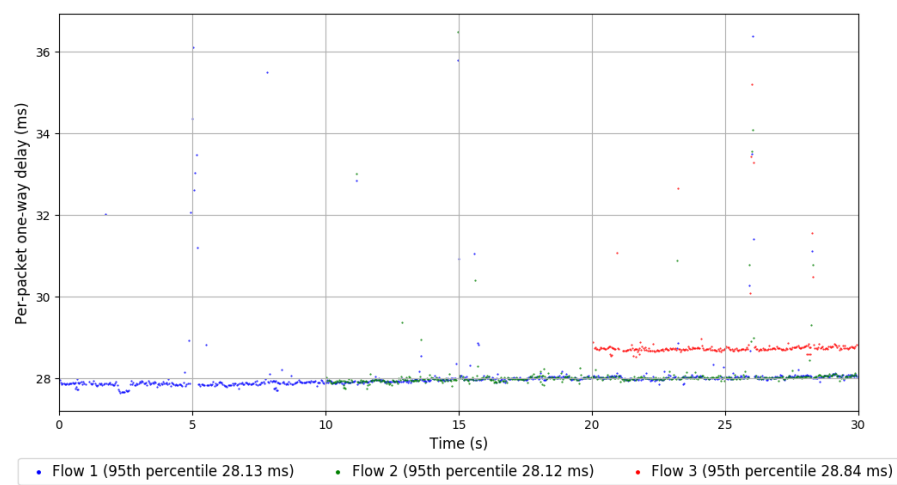
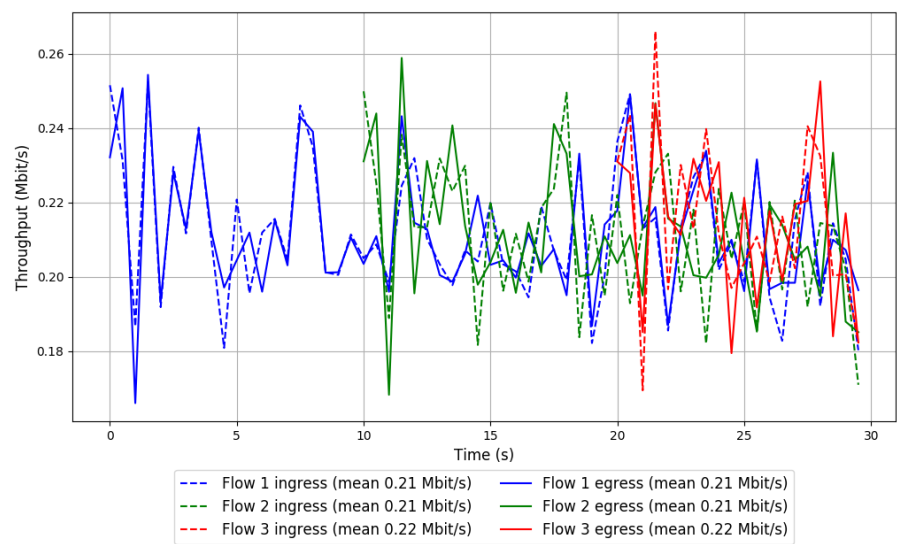


Run 4: Statistics of SReAM

Start at: 2018-04-10 23:51:51
End at: 2018-04-10 23:52:21
Local clock offset: 1.459 ms
Remote clock offset: -3.925 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 28.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 28.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 28.124 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.845 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

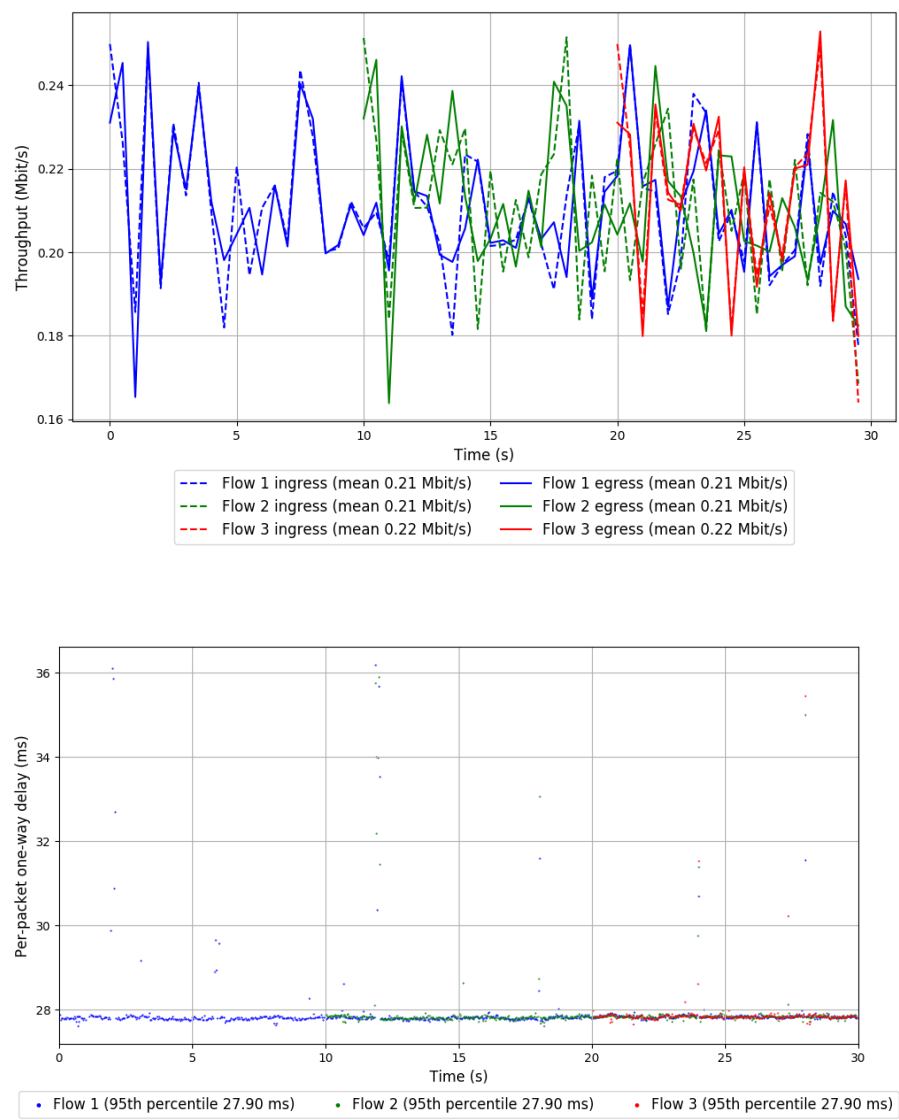


Run 5: Statistics of SReAM

Start at: 2018-04-11 00:21:19
End at: 2018-04-11 00:21:49
Local clock offset: 2.334 ms
Remote clock offset: -7.752 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 27.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 27.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 27.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.904 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

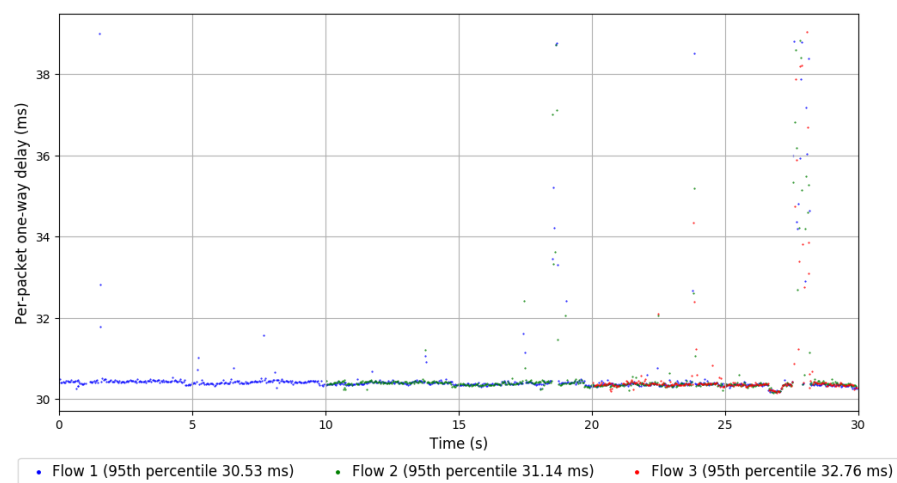
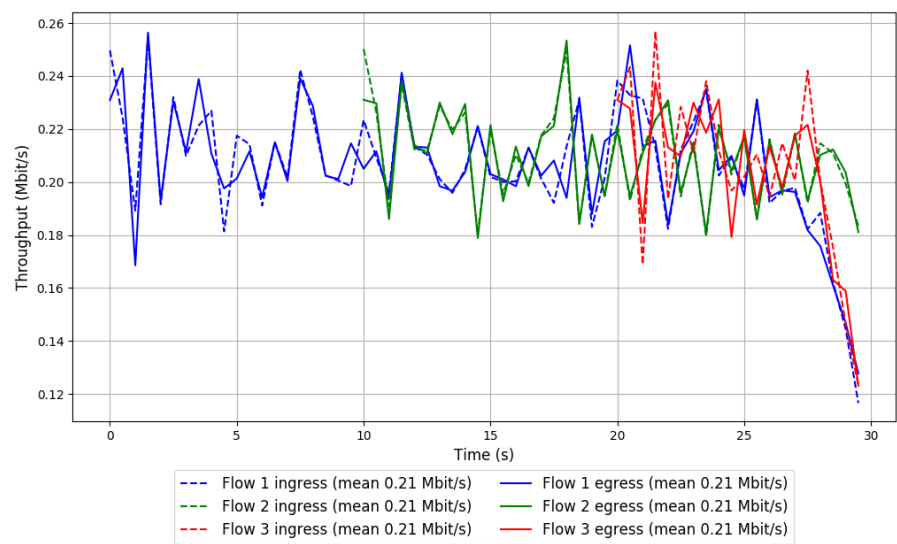


Run 6: Statistics of SReAM

Start at: 2018-04-11 00:50:31
End at: 2018-04-11 00:51:01
Local clock offset: 1.504 ms
Remote clock offset: -0.869 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 30.871 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.526 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.145 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.759 ms
Loss rate: 0.50%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-04-11 01:17:06

End at: 2018-04-11 01:17:36

Local clock offset: 0.722 ms

Remote clock offset: 5.963 ms

Below is generated by plot.py at 2018-04-11 03:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 30.378 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 29.814 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 29.772 ms

Loss rate: 0.00%

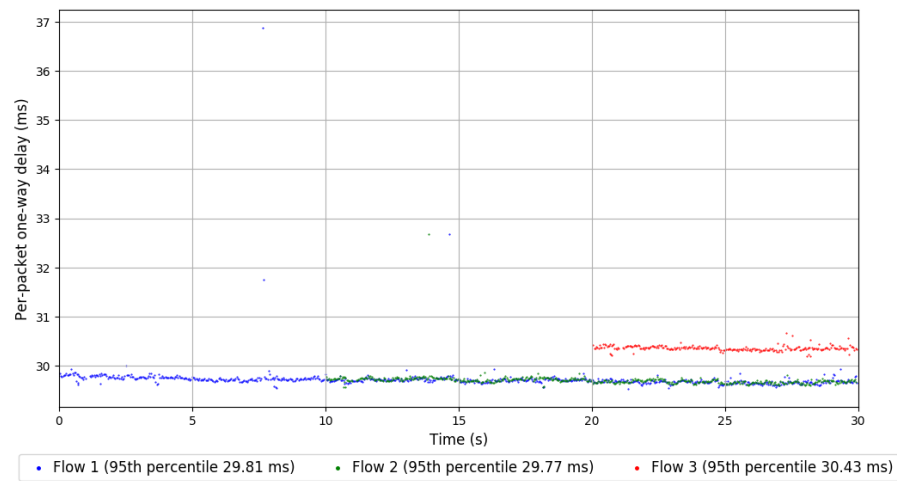
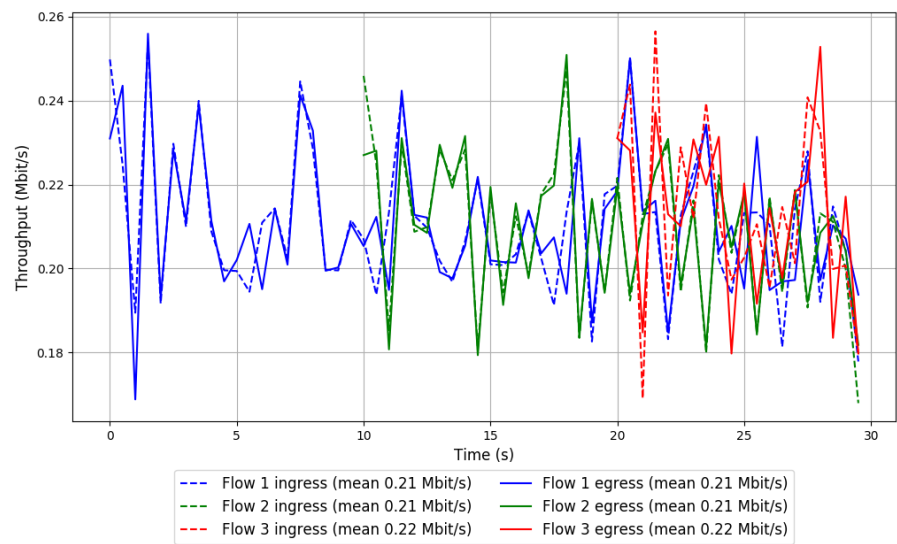
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.430 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-11 01:43:07

End at: 2018-04-11 01:43:37

Local clock offset: 0.541 ms

Remote clock offset: 10.46 ms

Below is generated by plot.py at 2018-04-11 03:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 31.684 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 31.684 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 32.271 ms

Loss rate: 0.00%

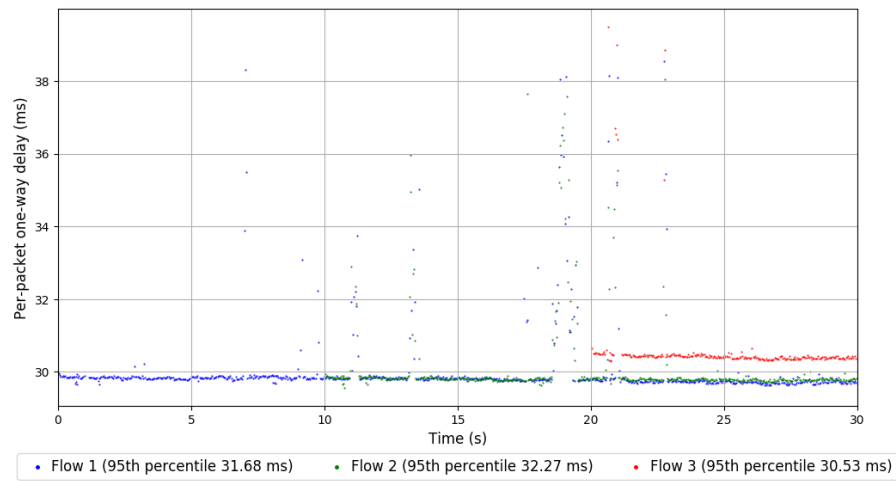
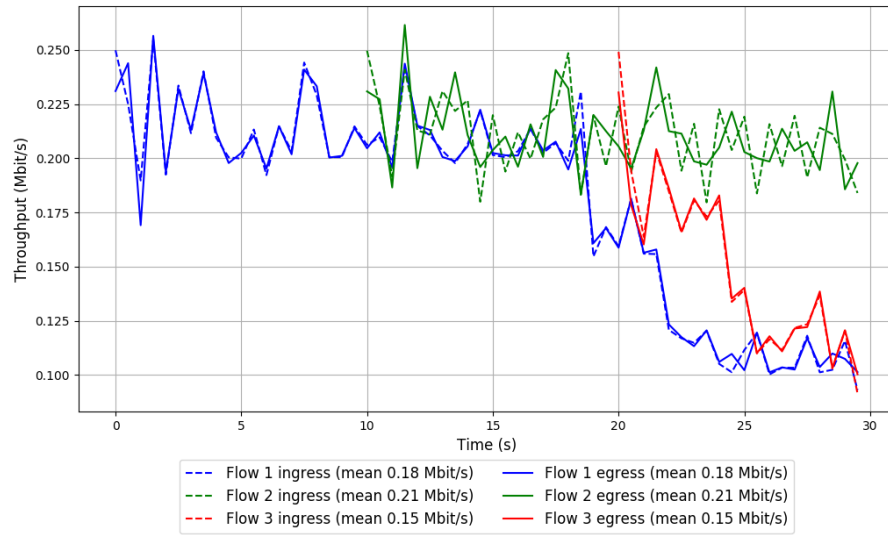
-- Flow 3:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 30.529 ms

Loss rate: 0.67%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-04-11 02:10:51

End at: 2018-04-11 02:11:21

Local clock offset: 0.481 ms

Remote clock offset: 9.594 ms

Below is generated by plot.py at 2018-04-11 03:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 33.524 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.281 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.139 ms

Loss rate: 0.19%

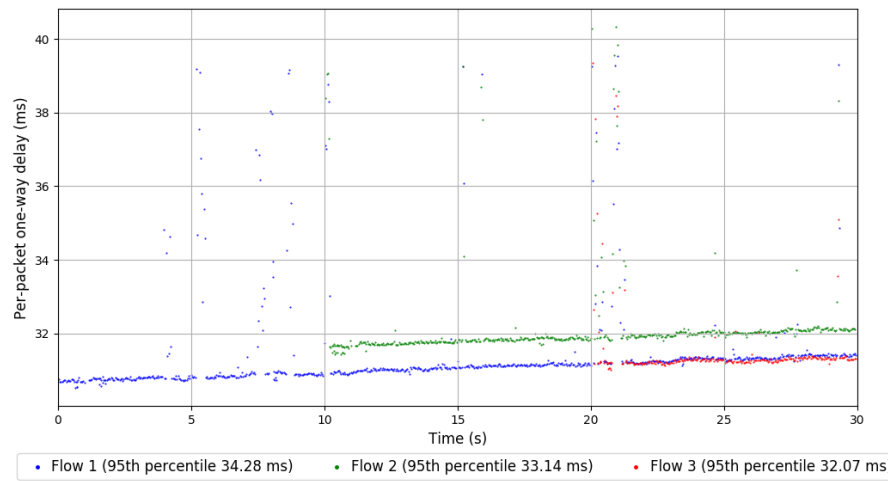
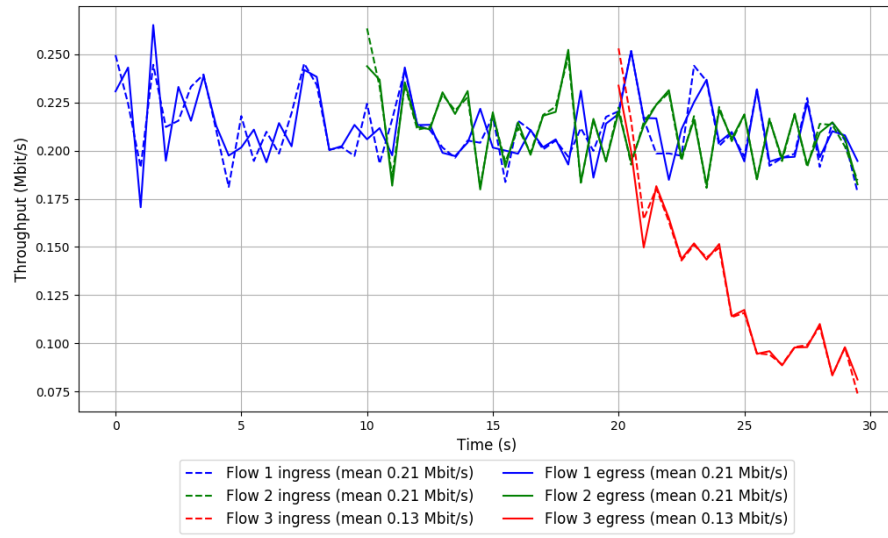
-- Flow 3:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 32.069 ms

Loss rate: 1.28%

Run 9: Report of SReAM — Data Link

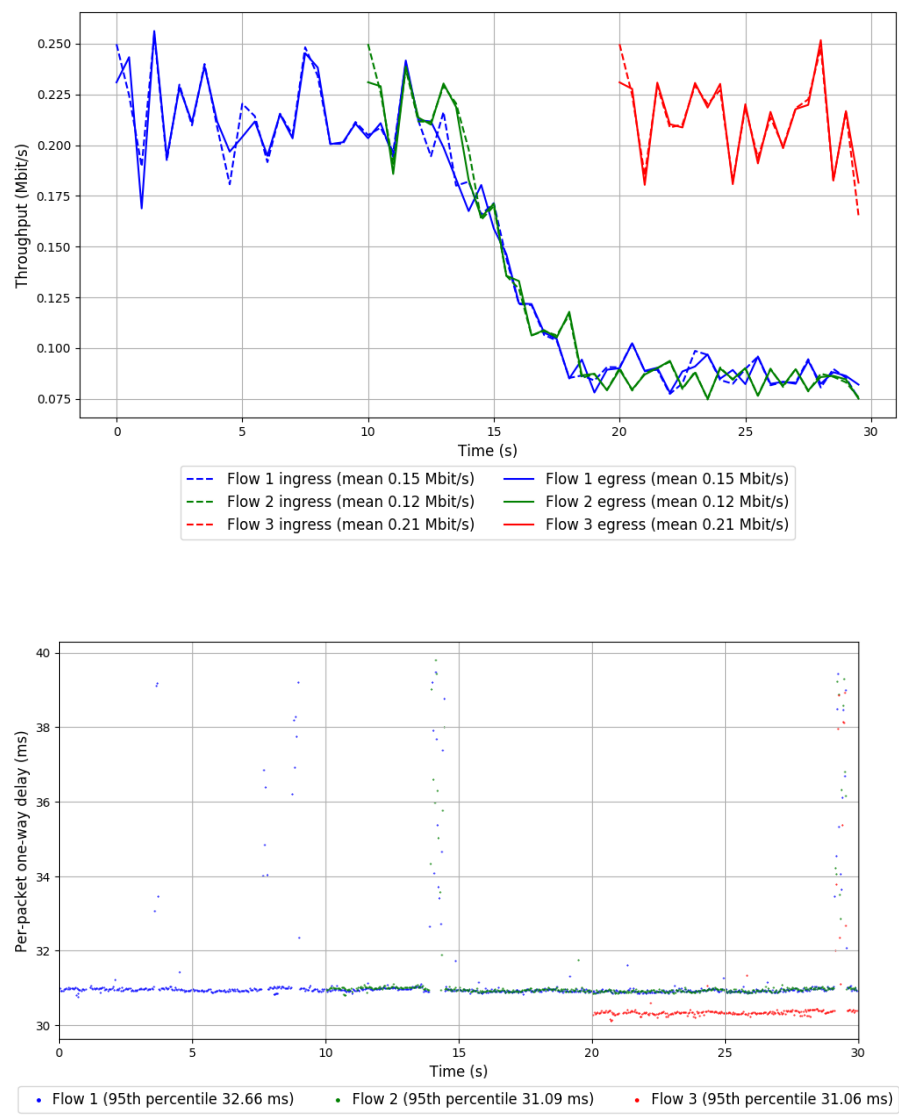


Run 10: Statistics of SCReAM

Start at: 2018-04-11 02:38:10
End at: 2018-04-11 02:38:40
Local clock offset: 0.234 ms
Remote clock offset: -7.042 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 31.723 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 32.664 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 31.089 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.059 ms
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

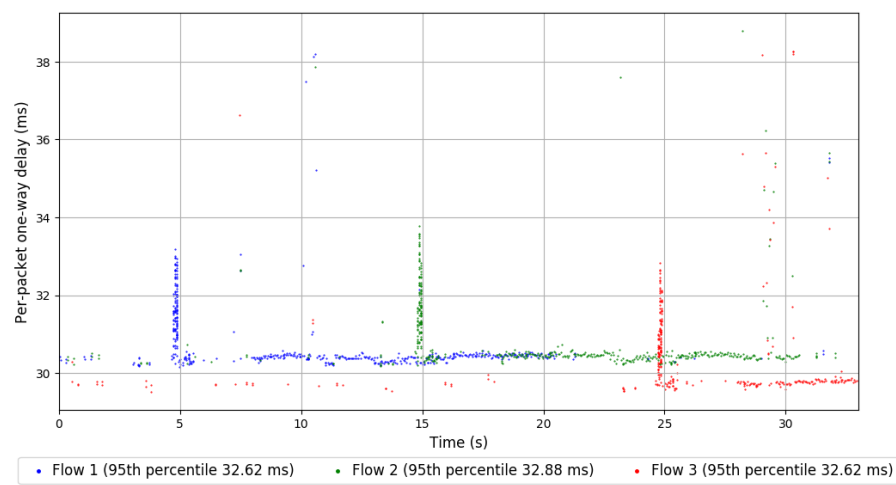
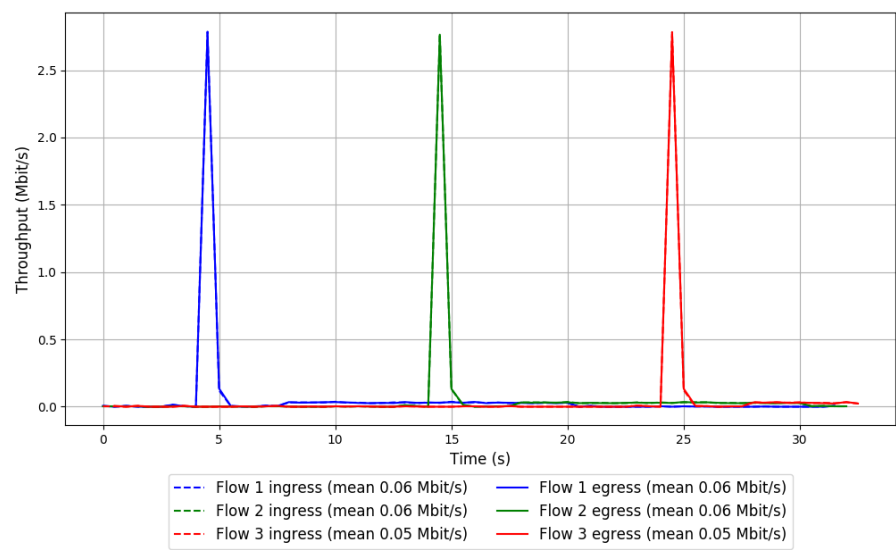


Run 1: Statistics of WebRTC media

Start at: 2018-04-10 22:22:56
End at: 2018-04-10 22:23:26
Local clock offset: 0.467 ms
Remote clock offset: -2.813 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.684 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.620 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.879 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.625 ms
Loss rate: 0.14%

Run 1: Report of WebRTC media — Data Link

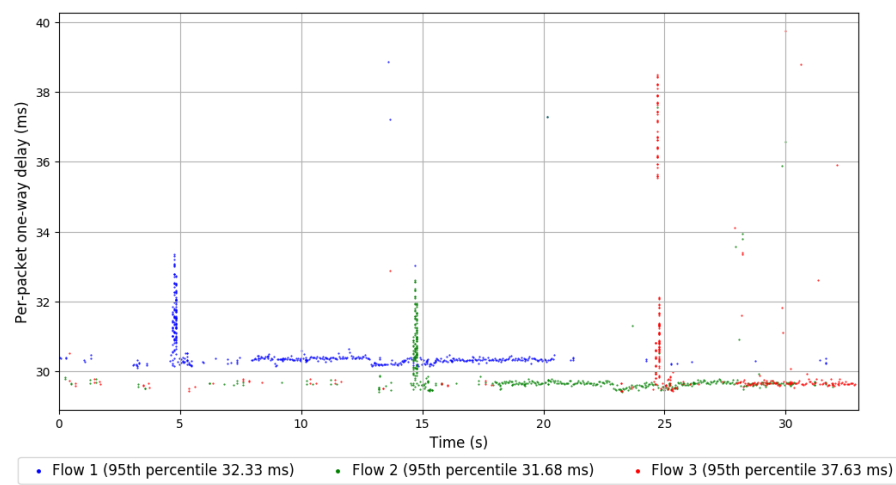
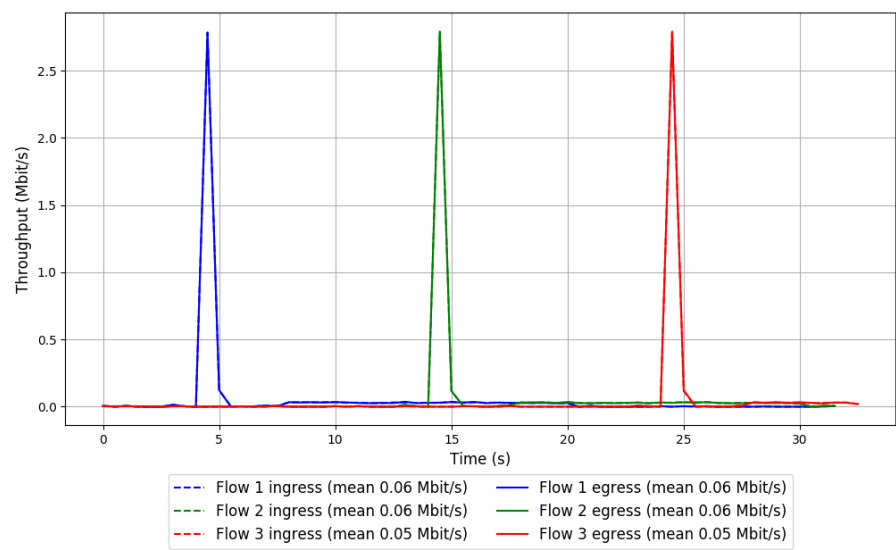


Run 2: Statistics of WebRTC media

Start at: 2018-04-10 22:49:28
End at: 2018-04-10 22:49:58
Local clock offset: 0.814 ms
Remote clock offset: -3.236 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.996 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.329 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 37.630 ms
Loss rate: 0.08%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-10 23:16:09

End at: 2018-04-10 23:16:39

Local clock offset: 1.16 ms

Remote clock offset: -2.57 ms

Below is generated by plot.py at 2018-04-11 03:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 32.925 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 33.006 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 32.586 ms

Loss rate: 0.07%

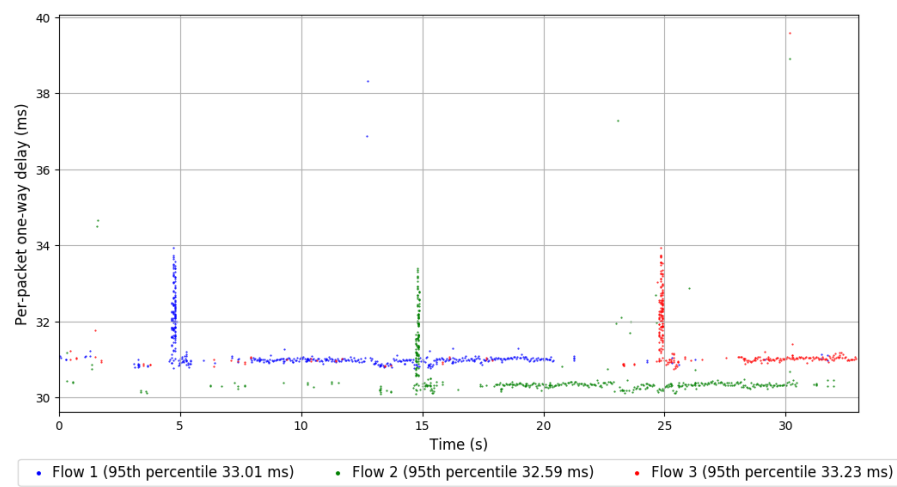
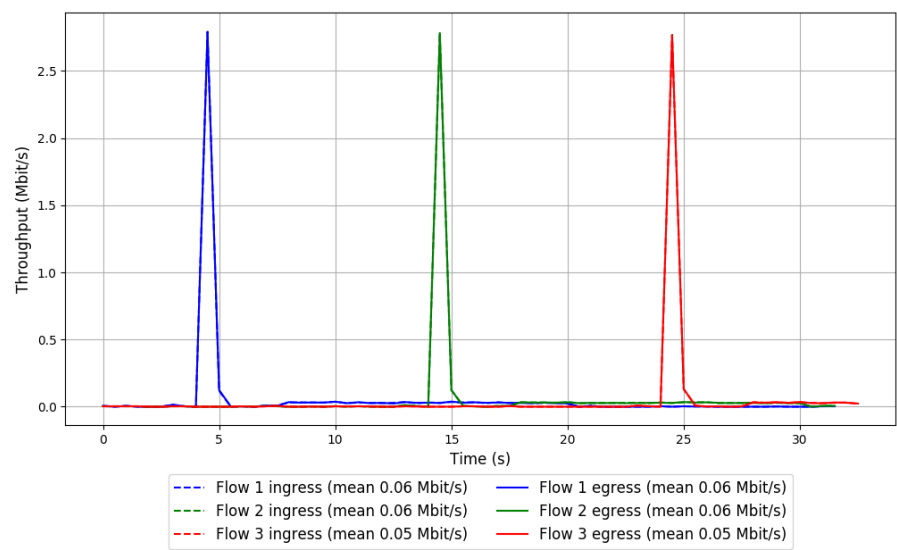
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 33.227 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

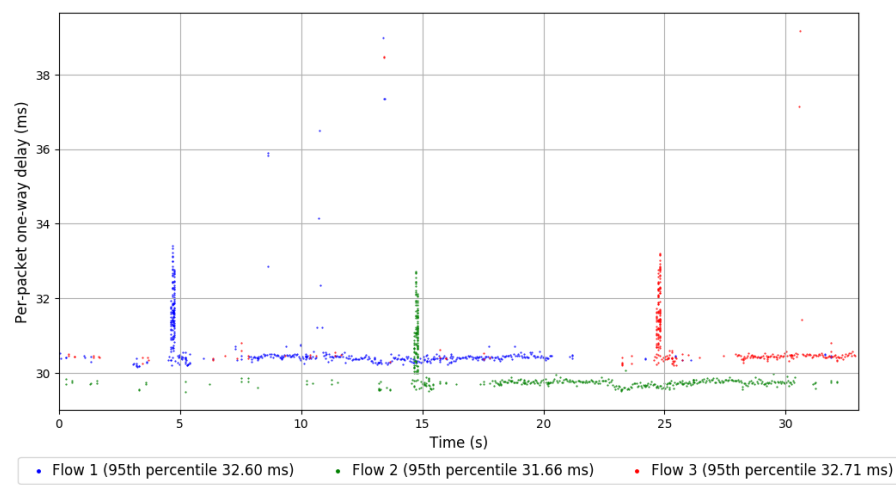
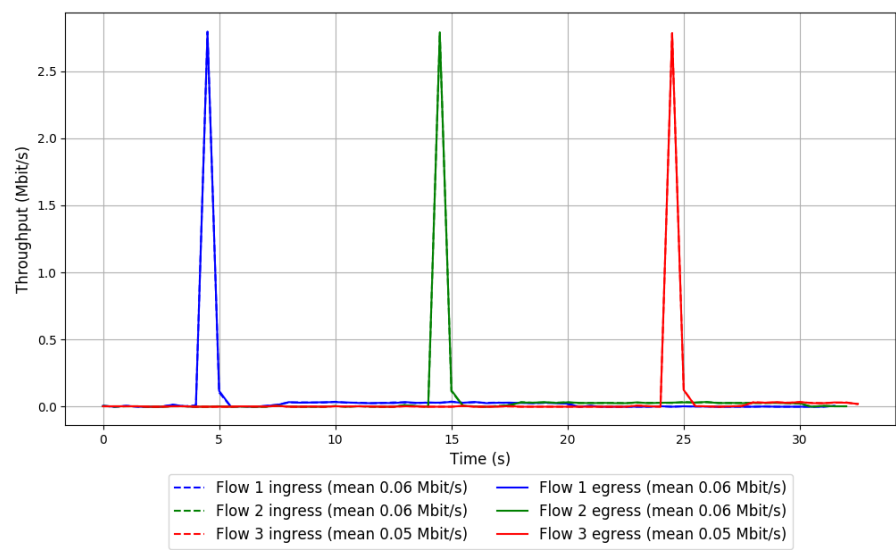


Run 4: Statistics of WebRTC media

Start at: 2018-04-10 23:43:44
End at: 2018-04-10 23:44:14
Local clock offset: 1.224 ms
Remote clock offset: -1.663 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.359 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.599 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.661 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.708 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

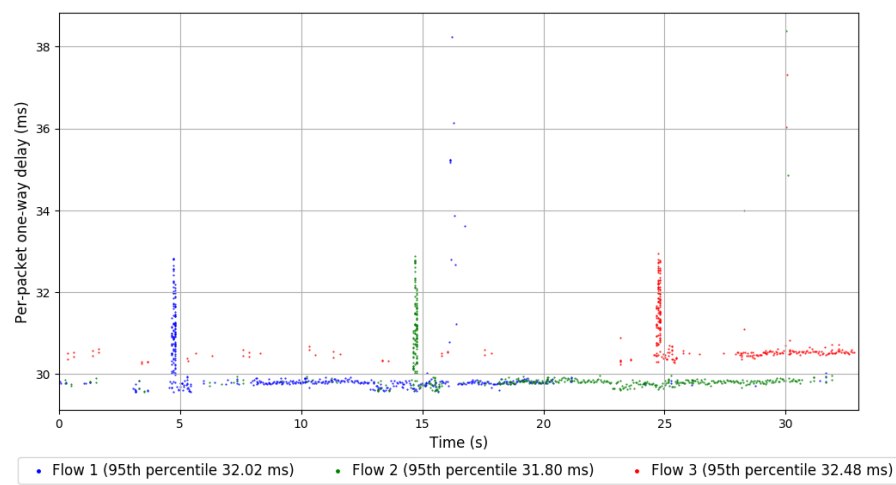
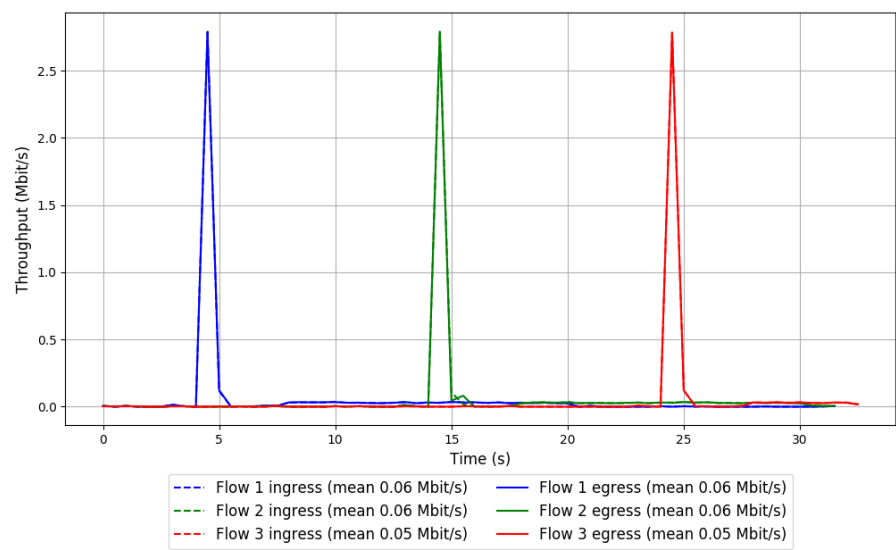


Run 5: Statistics of WebRTC media

Start at: 2018-04-11 00:12:48
End at: 2018-04-11 00:13:18
Local clock offset: 2.129 ms
Remote clock offset: -5.544 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.190 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.804 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.475 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

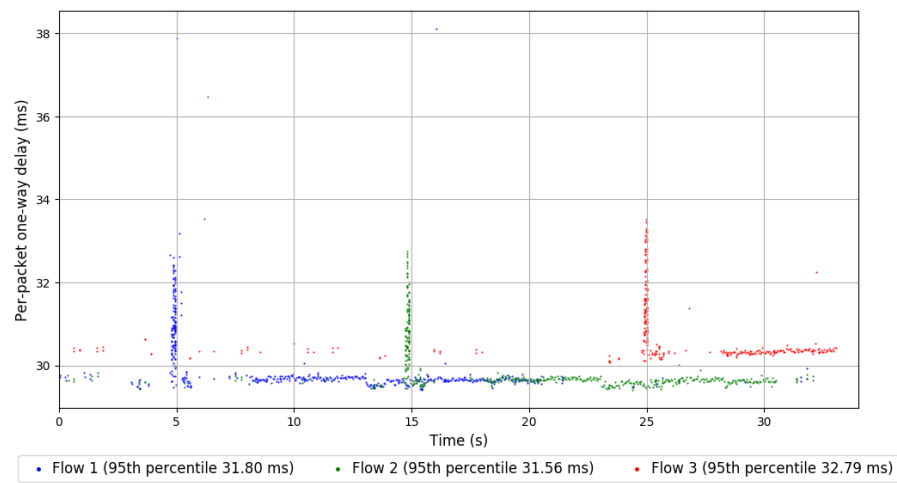
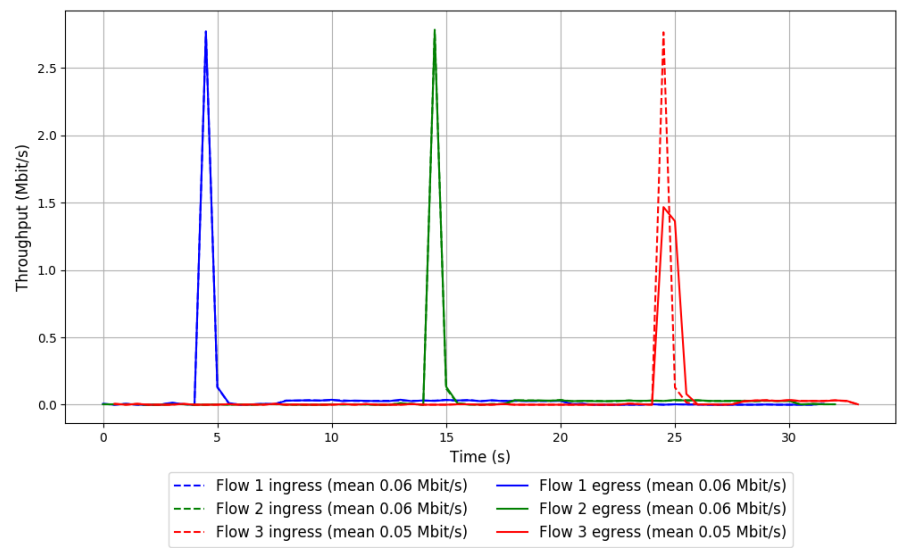


Run 6: Statistics of WebRTC media

Start at: 2018-04-11 00:42:05
End at: 2018-04-11 00:42:35
Local clock offset: 1.462 ms
Remote clock offset: -1.909 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.803 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.794 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-11 01:09:45

End at: 2018-04-11 01:10:15

Local clock offset: 0.855 ms

Remote clock offset: 4.179 ms

Below is generated by plot.py at 2018-04-11 03:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 33.495 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 34.137 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 34.346 ms

Loss rate: 0.00%

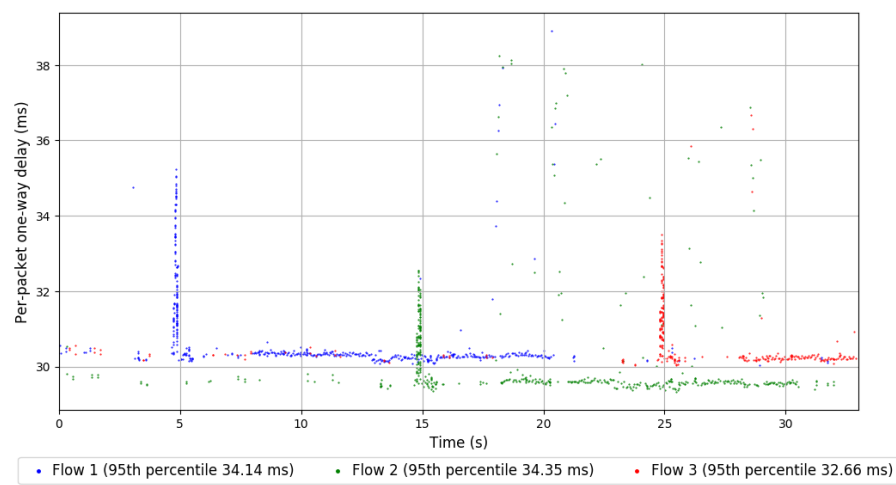
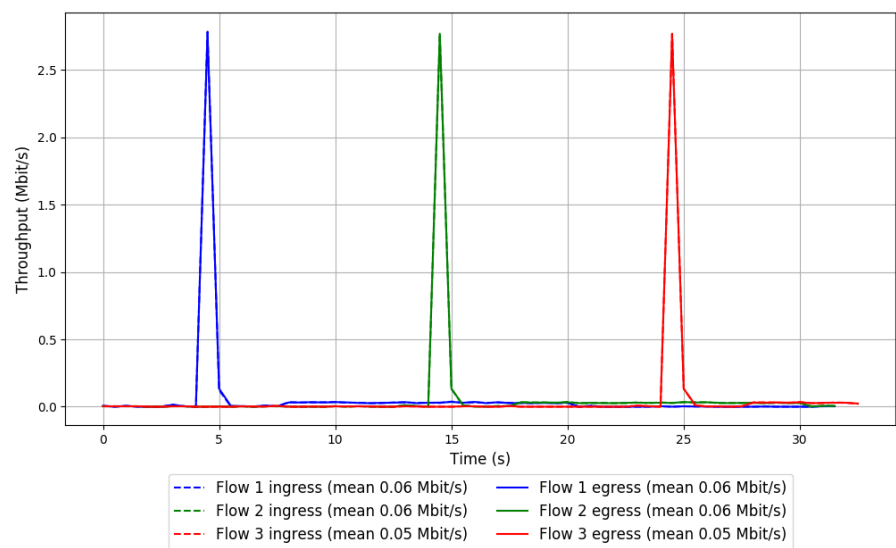
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.661 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-11 01:35:53

End at: 2018-04-11 01:36:23

Local clock offset: 0.696 ms

Remote clock offset: 7.204 ms

Below is generated by plot.py at 2018-04-11 03:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 30.096 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 33.318 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 29.241 ms

Loss rate: 0.00%

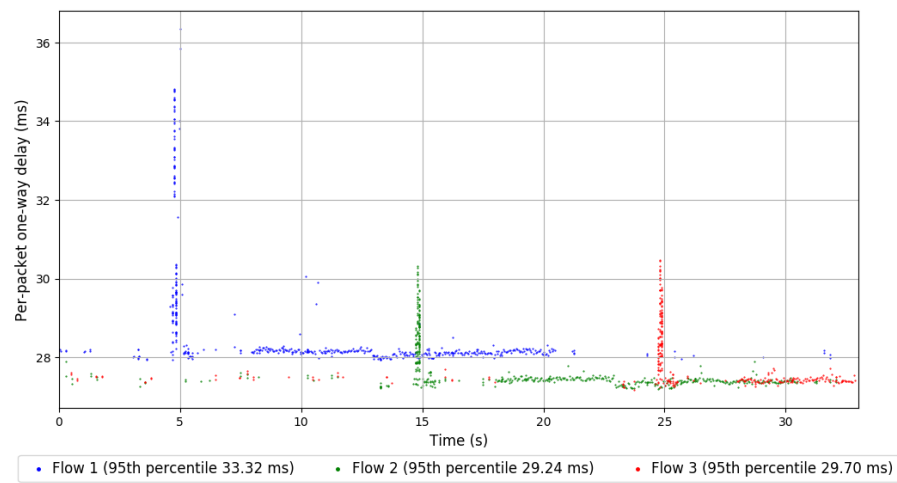
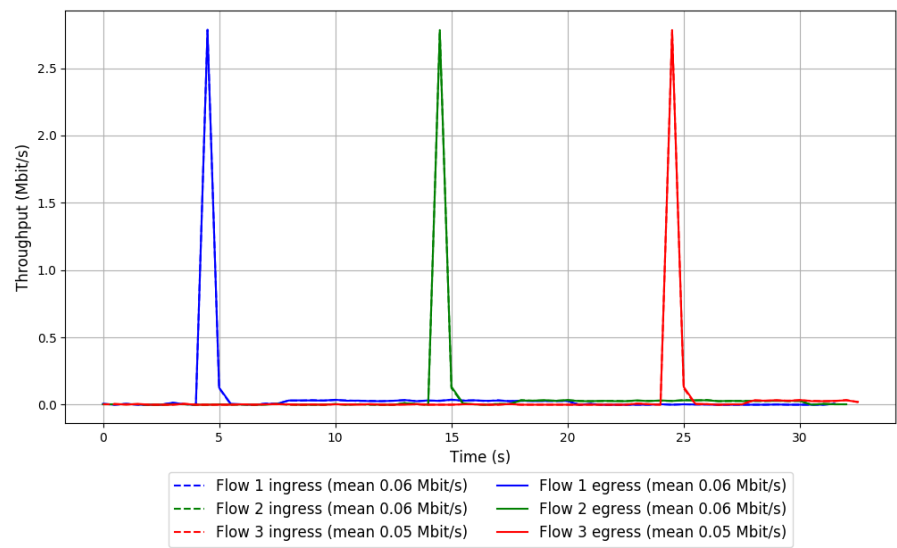
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 29.701 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

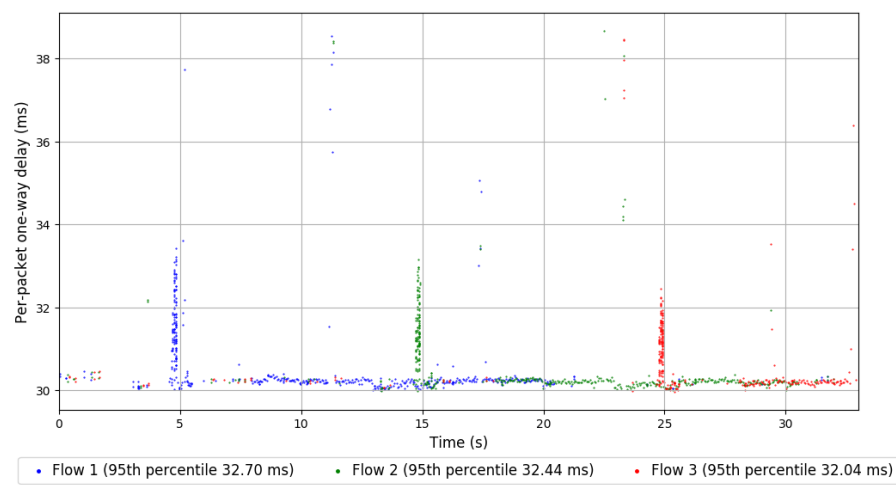
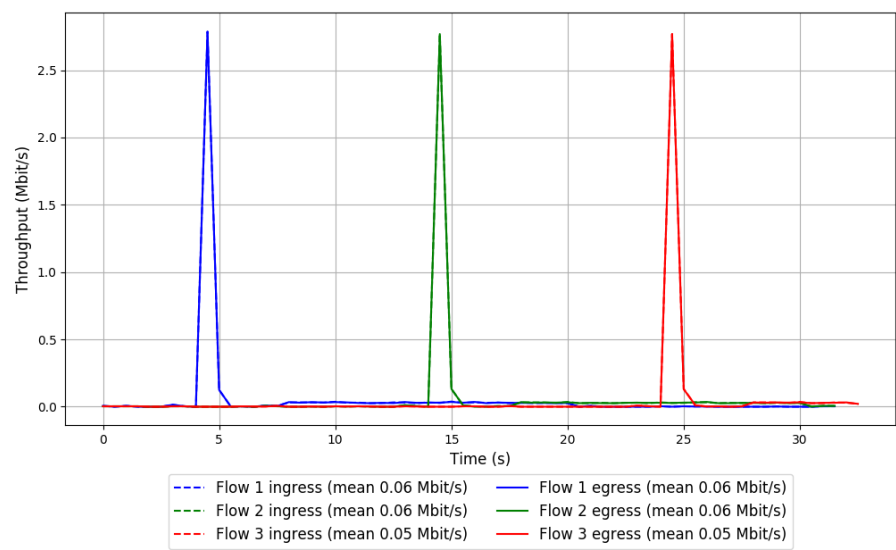


Run 9: Statistics of WebRTC media

Start at: 2018-04-11 02:03:25
End at: 2018-04-11 02:03:55
Local clock offset: 0.532 ms
Remote clock offset: 13.668 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.705 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.435 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.043 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

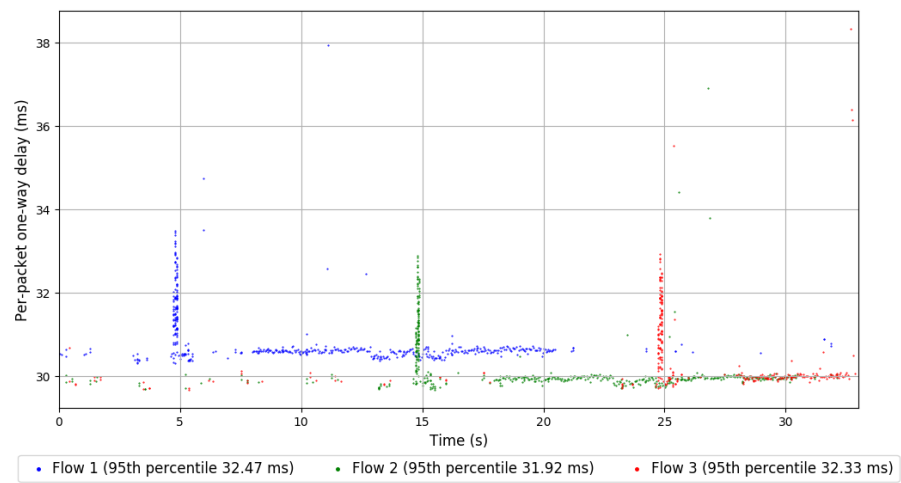
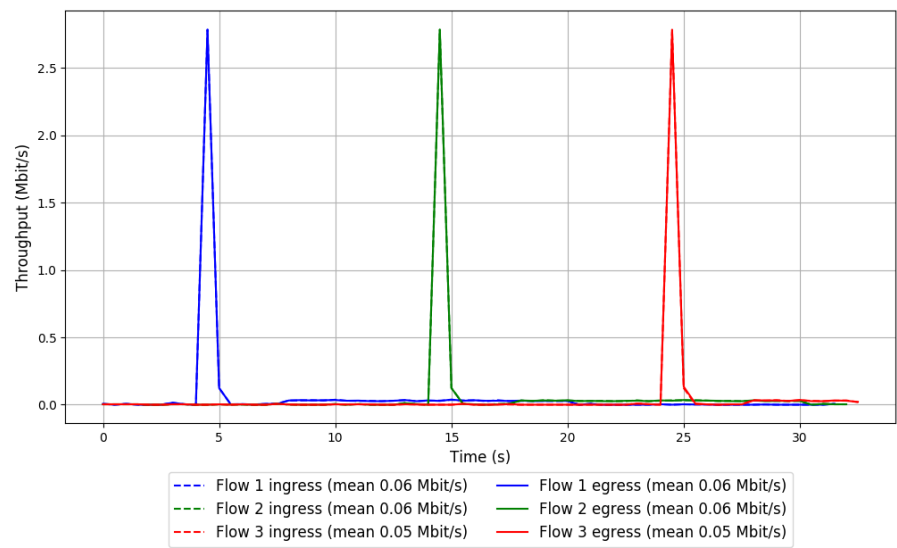


Run 10: Statistics of WebRTC media

Start at: 2018-04-11 02:30:15
End at: 2018-04-11 02:30:45
Local clock offset: 0.21 ms
Remote clock offset: -5.406 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.303 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.328 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

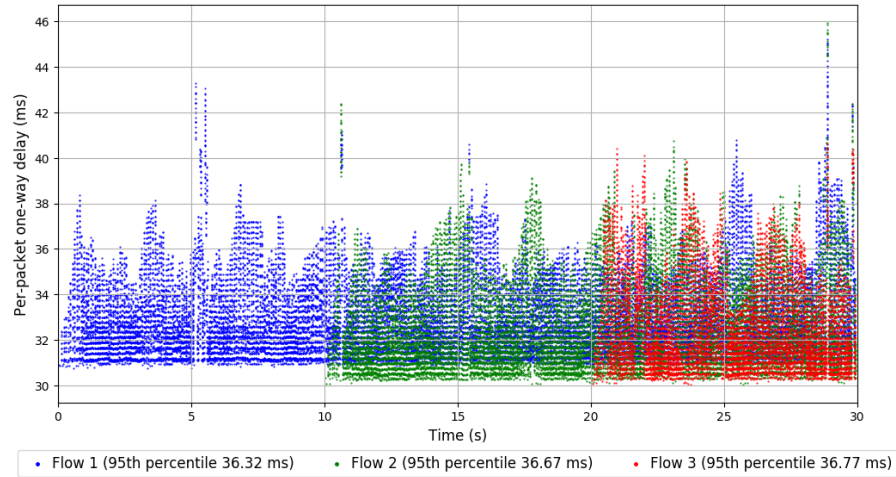
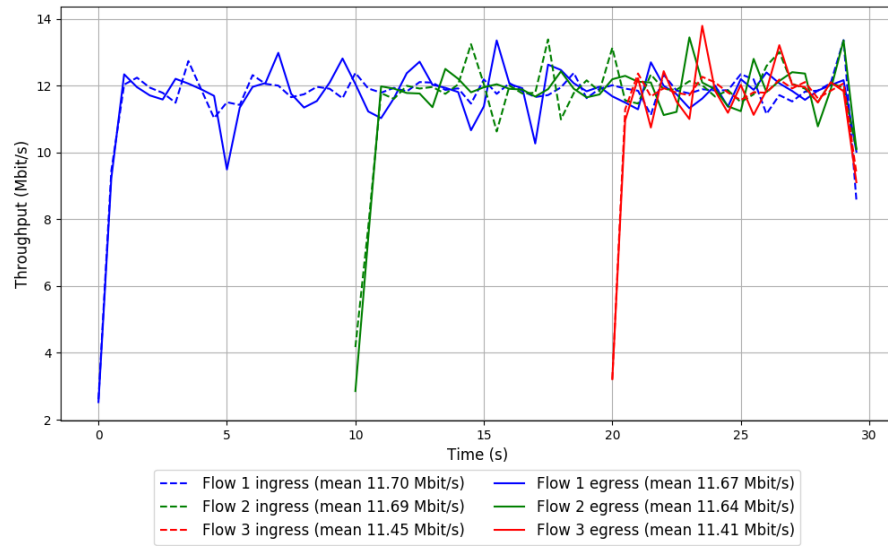


Run 1: Statistics of Sprout

Start at: 2018-04-10 22:36:24
End at: 2018-04-10 22:36:54
Local clock offset: 0.467 ms
Remote clock offset: -3.093 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 36.528 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 36.323 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 36.670 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 36.775 ms
Loss rate: 0.33%

Run 1: Report of Sprout — Data Link

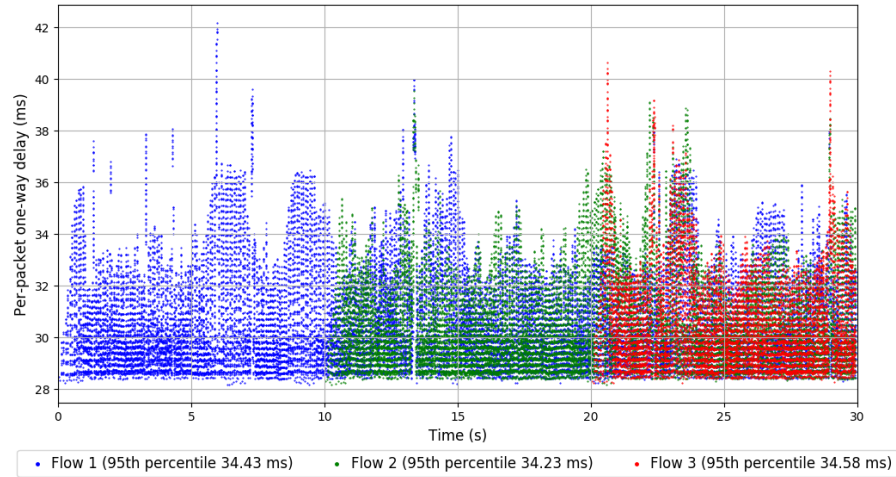
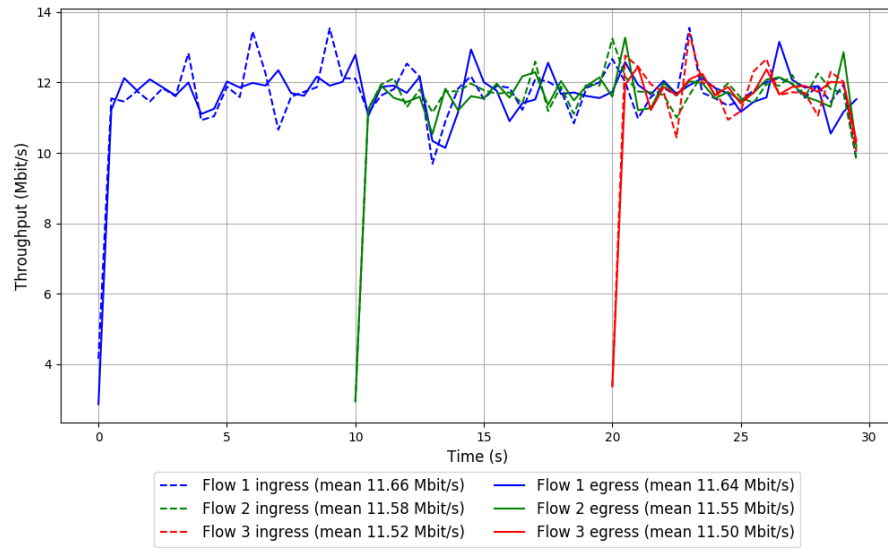


Run 2: Statistics of Sprout

Start at: 2018-04-10 23:02:33
End at: 2018-04-10 23:03:03
Local clock offset: 0.986 ms
Remote clock offset: -5.013 ms

```
# Below is generated by plot.py at 2018-04-11 03:34:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 34.401 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 34.427 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 34.234 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 34.580 ms
Loss rate: 0.09%
```

Run 2: Report of Sprout — Data Link

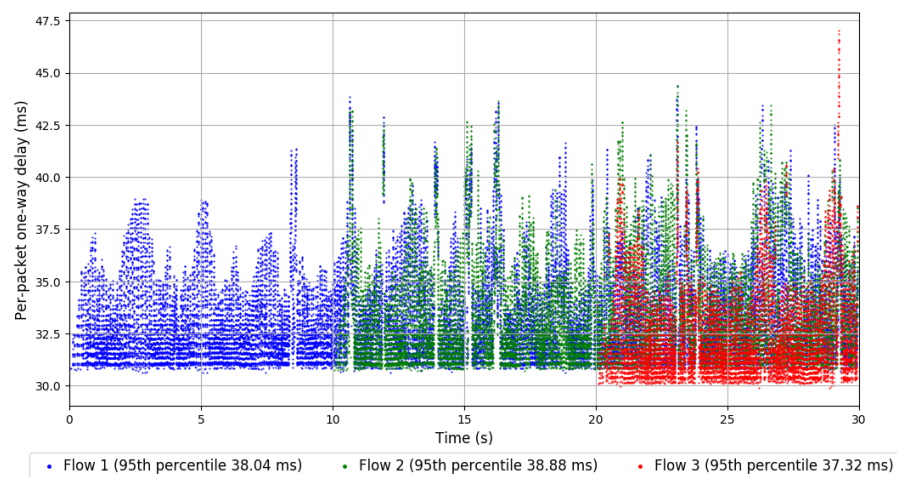
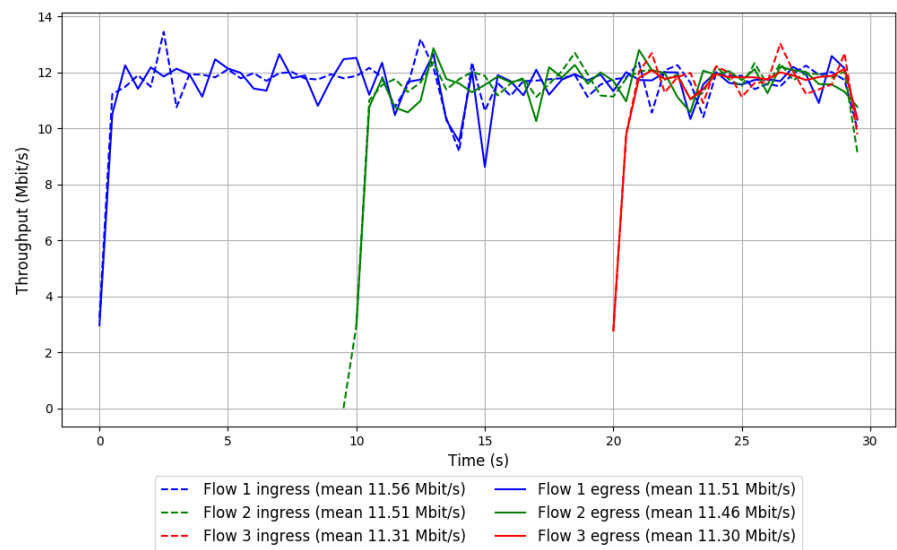


Run 3: Statistics of Sprout

Start at: 2018-04-10 23:29:51
End at: 2018-04-10 23:30:21
Local clock offset: 1.114 ms
Remote clock offset: -1.424 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 38.262 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 38.044 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 38.884 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 37.316 ms
Loss rate: 0.07%

Run 3: Report of Sprout — Data Link

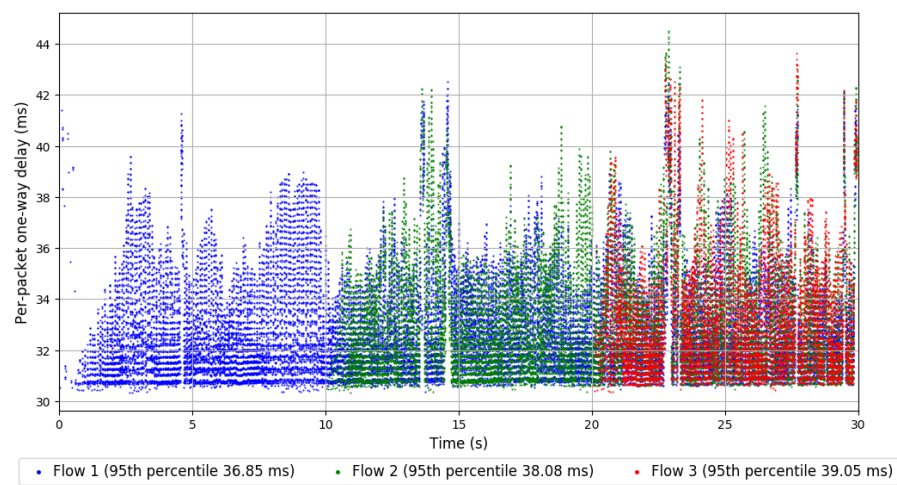
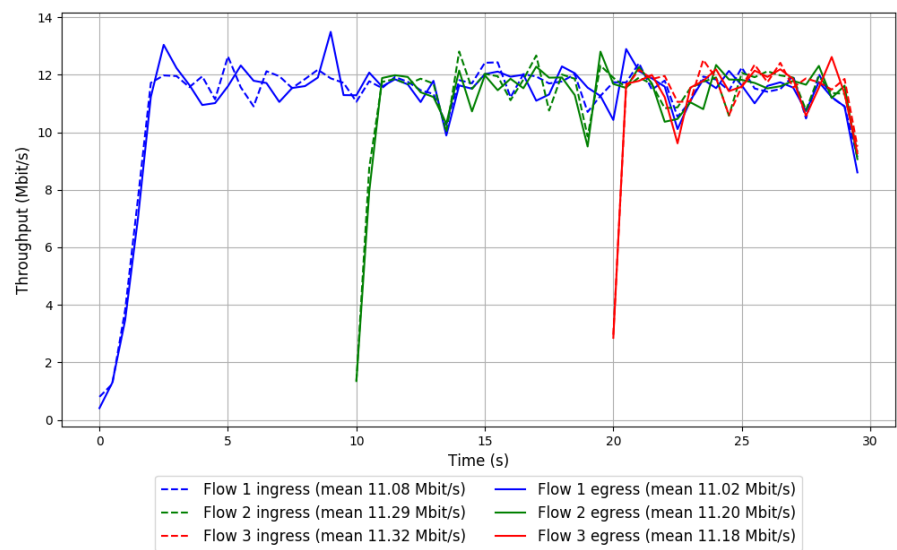


Run 4: Statistics of Sprout

Start at: 2018-04-10 23:57:38
End at: 2018-04-10 23:58:08
Local clock offset: 1.682 ms
Remote clock offset: -3.799 ms

```
# Below is generated by plot.py at 2018-04-11 03:34:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 37.594 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 36.851 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 38.082 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 39.050 ms
Loss rate: 1.16%
```

Run 4: Report of Sprout — Data Link

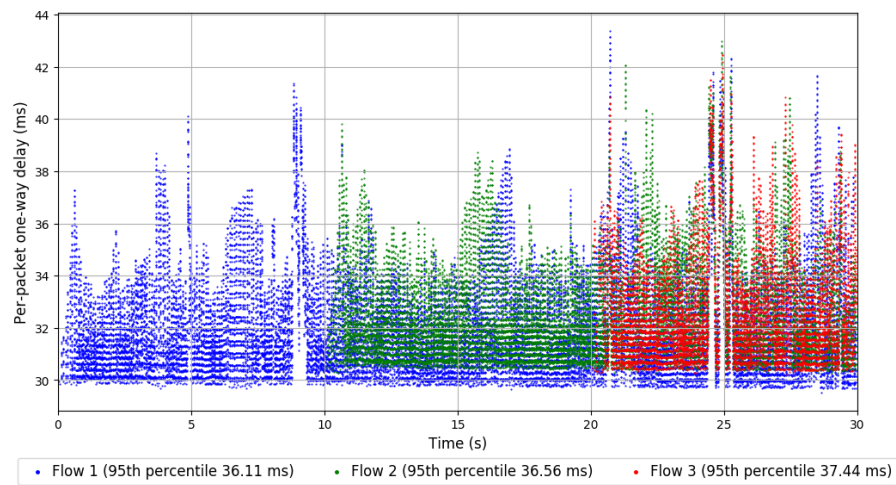
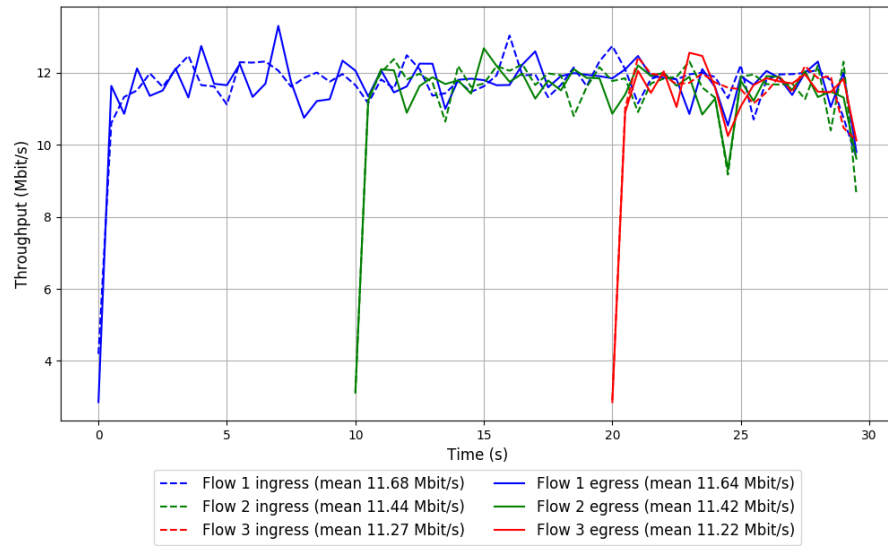


Run 5: Statistics of Sprout

Start at: 2018-04-11 00:27:23
End at: 2018-04-11 00:27:53
Local clock offset: 2.249 ms
Remote clock offset: -4.654 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 36.539 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 36.108 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 36.559 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 37.440 ms
Loss rate: 0.41%

Run 5: Report of Sprout — Data Link

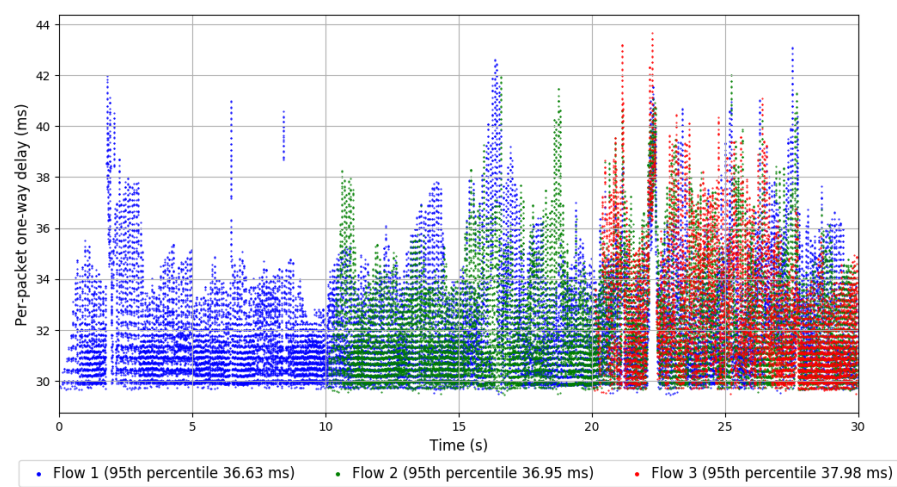
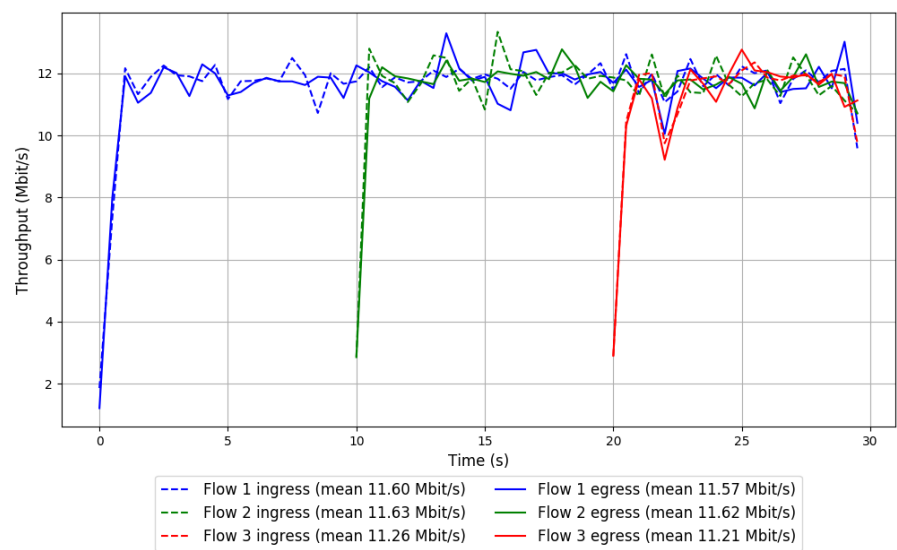


Run 6: Statistics of Sprout

Start at: 2018-04-11 00:56:29
End at: 2018-04-11 00:56:59
Local clock offset: 1.422 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-04-11 03:34:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.00 Mbit/s
95th percentile per-packet one-way delay: 37.032 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 36.627 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 36.952 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 11.21 Mbit/s
95th percentile per-packet one-way delay: 37.978 ms
Loss rate: 0.34%

Run 6: Report of Sprout — Data Link

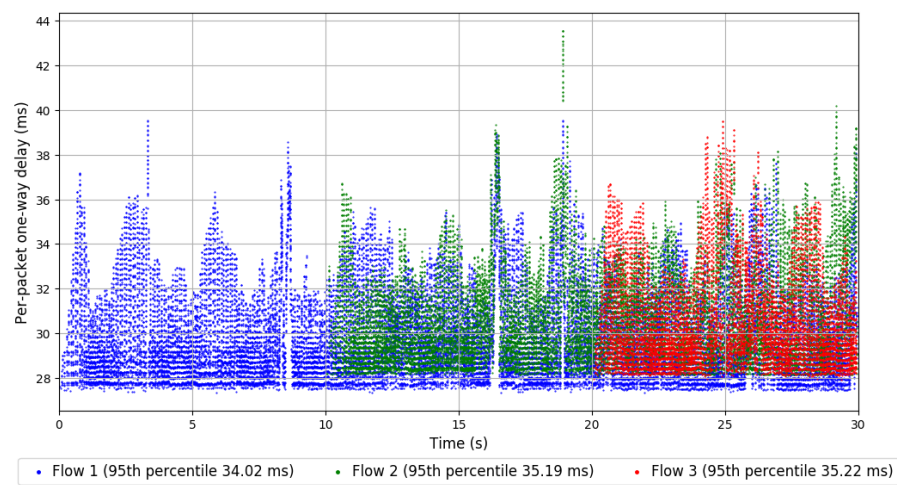
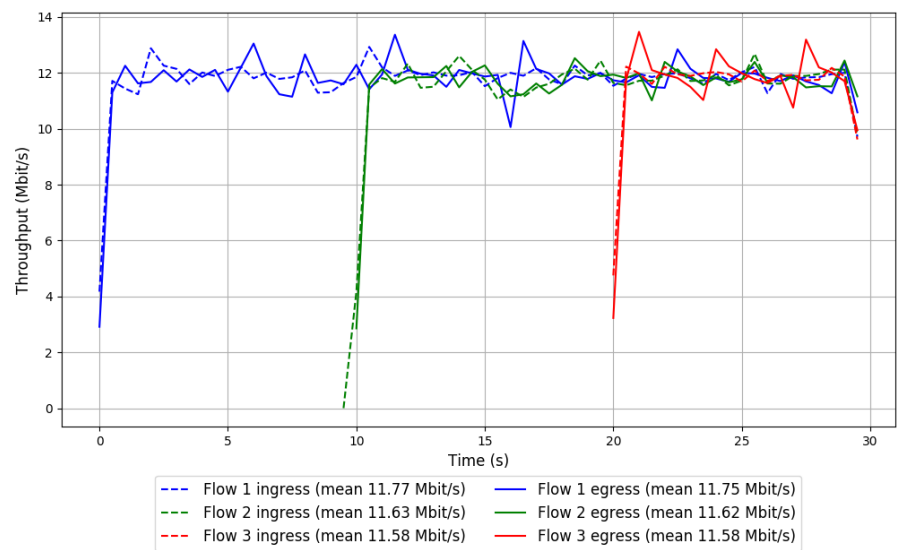


Run 7: Statistics of Sprout

Start at: 2018-04-11 01:23:12
End at: 2018-04-11 01:23:42
Local clock offset: 0.759 ms
Remote clock offset: 5.094 ms

```
# Below is generated by plot.py at 2018-04-11 03:34:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 34.701 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 34.025 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 35.193 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 35.215 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-11 01:49:04

End at: 2018-04-11 01:49:34

Local clock offset: 0.576 ms

Remote clock offset: 9.382 ms

Below is generated by plot.py at 2018-04-11 03:34:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.86 Mbit/s

95th percentile per-packet one-way delay: 33.984 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 34.279 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 11.44 Mbit/s

95th percentile per-packet one-way delay: 33.665 ms

Loss rate: 0.15%

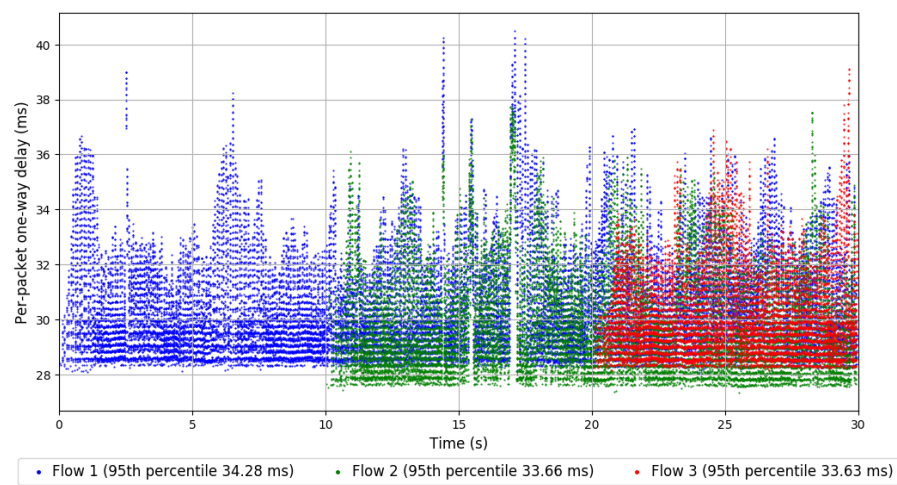
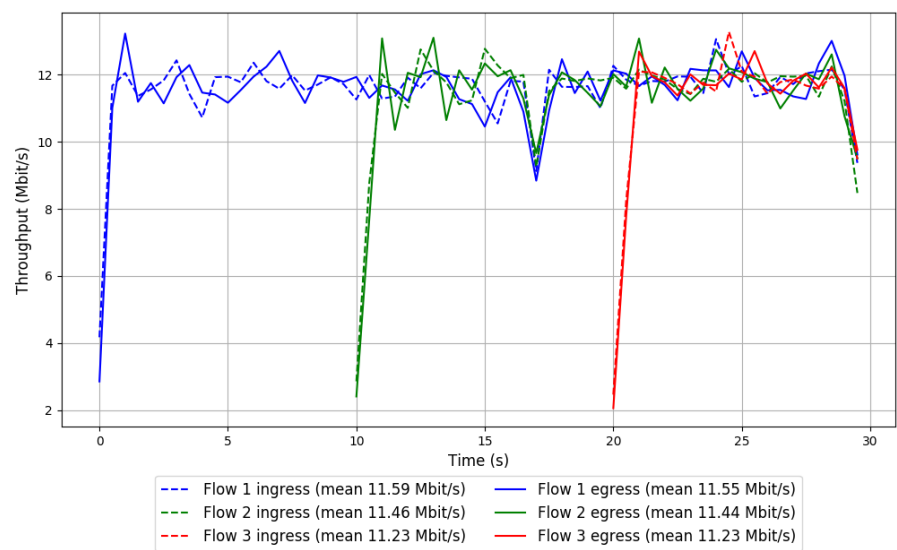
-- Flow 3:

Average throughput: 11.23 Mbit/s

95th percentile per-packet one-way delay: 33.631 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-04-11 02:16:22

End at: 2018-04-11 02:16:52

Local clock offset: 0.335 ms

Remote clock offset: 2.283 ms

Below is generated by plot.py at 2018-04-11 03:34:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.69 Mbit/s

95th percentile per-packet one-way delay: 38.668 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 11.45 Mbit/s

95th percentile per-packet one-way delay: 38.732 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 11.29 Mbit/s

95th percentile per-packet one-way delay: 37.934 ms

Loss rate: 0.49%

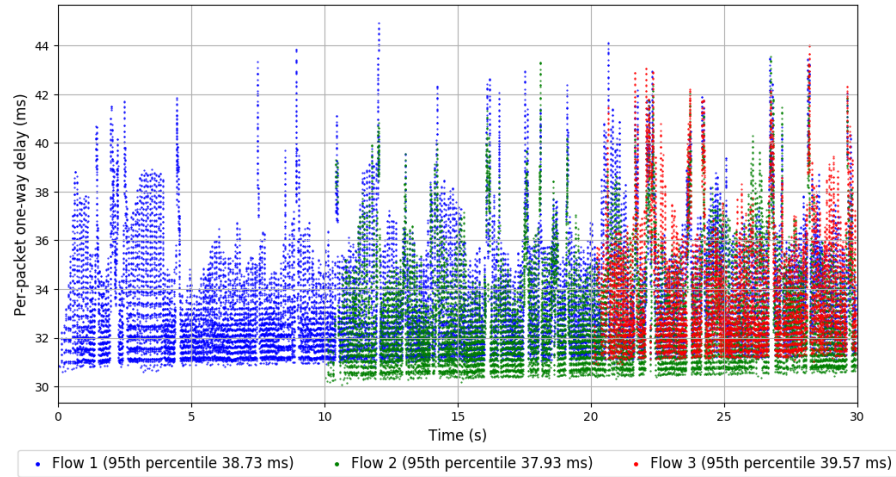
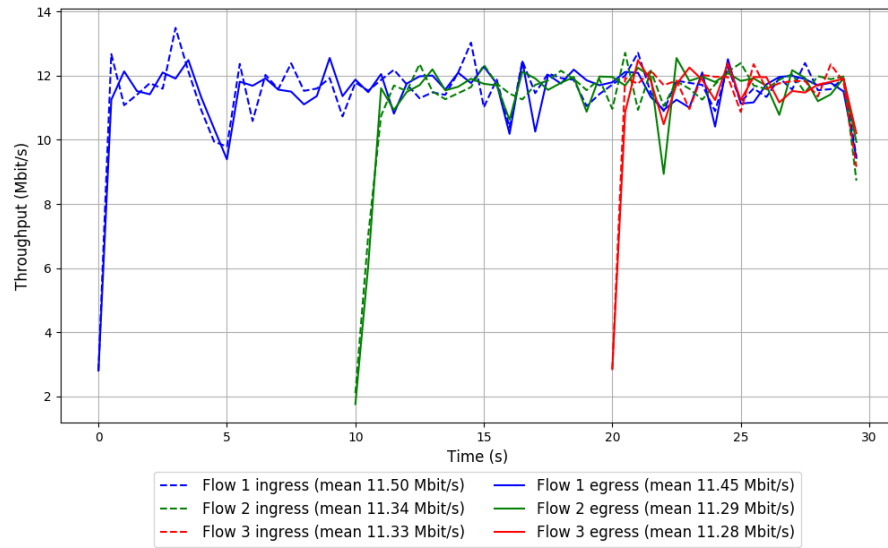
-- Flow 3:

Average throughput: 11.28 Mbit/s

95th percentile per-packet one-way delay: 39.572 ms

Loss rate: 0.49%

Run 9: Report of Sprout — Data Link

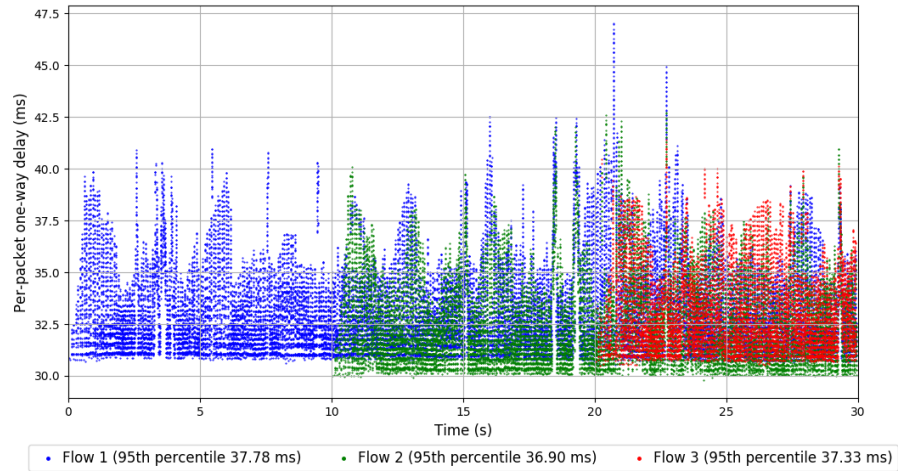
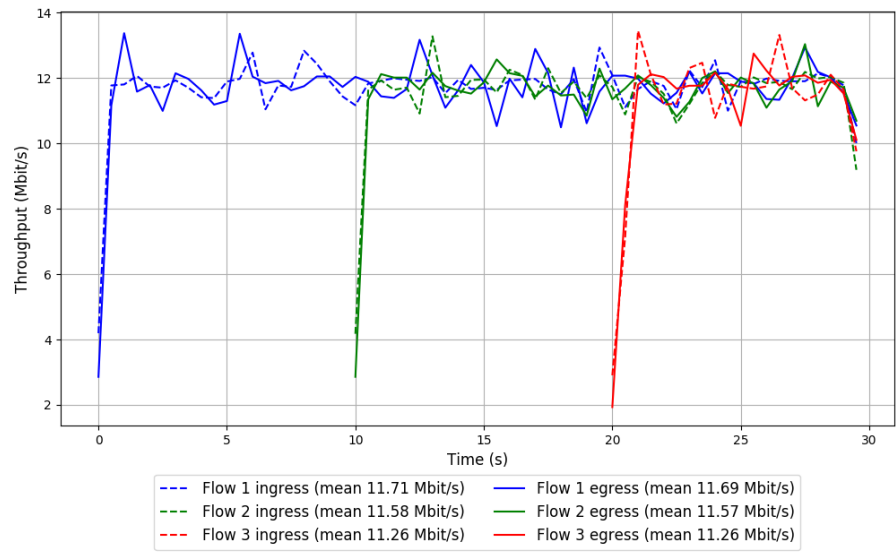


Run 10: Statistics of Sprout

Start at: 2018-04-11 02:43:47
End at: 2018-04-11 02:44:17
Local clock offset: 0.275 ms
Remote clock offset: -7.074 ms

```
# Below is generated by plot.py at 2018-04-11 03:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.09 Mbit/s
95th percentile per-packet one-way delay: 37.441 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 37.783 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 36.903 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 37.334 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

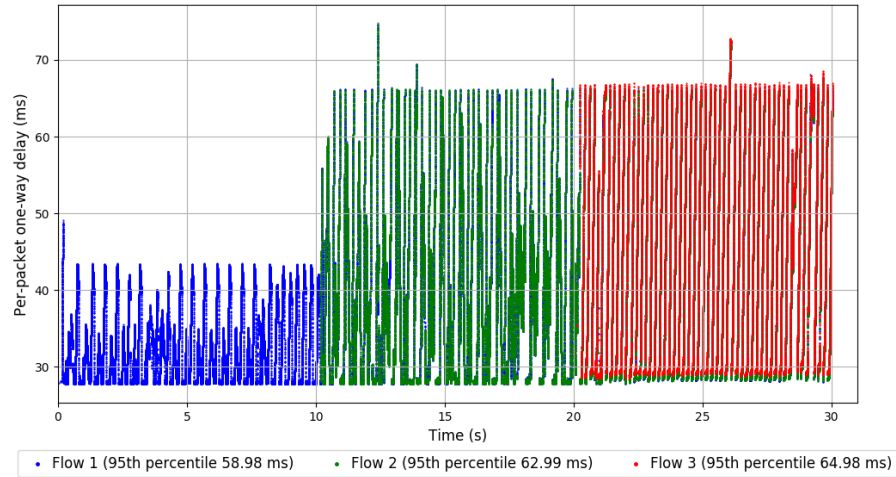
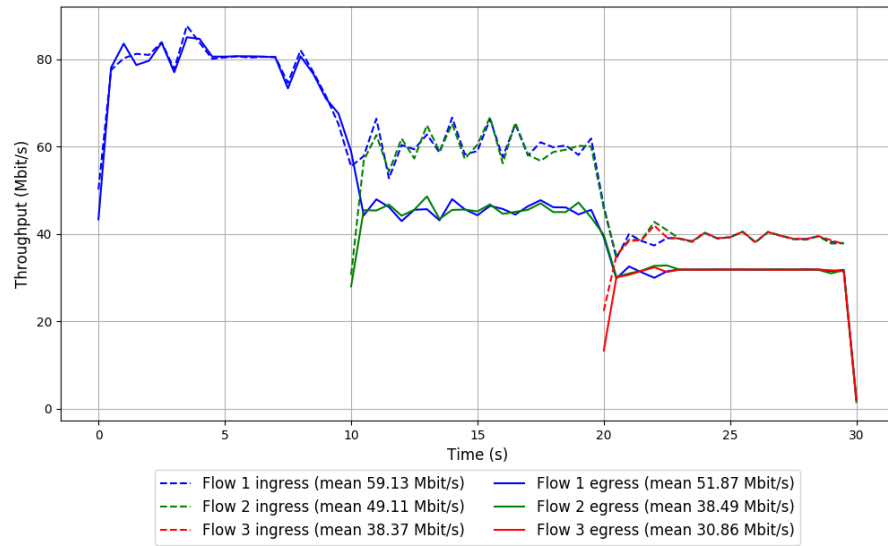


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-10 22:39:12
End at: 2018-04-10 22:39:42
Local clock offset: 0.465 ms
Remote clock offset: -5.727 ms

# Below is generated by plot.py at 2018-04-11 03:37:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 61.987 ms
Loss rate: 15.96%
-- Flow 1:
Average throughput: 51.87 Mbit/s
95th percentile per-packet one-way delay: 58.984 ms
Loss rate: 12.16%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 62.987 ms
Loss rate: 21.54%
-- Flow 3:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 64.985 ms
Loss rate: 19.28%
```


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

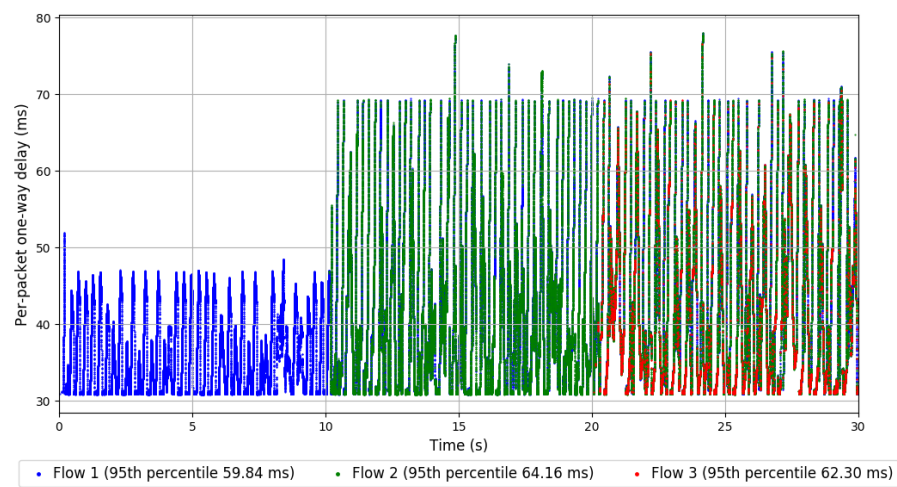
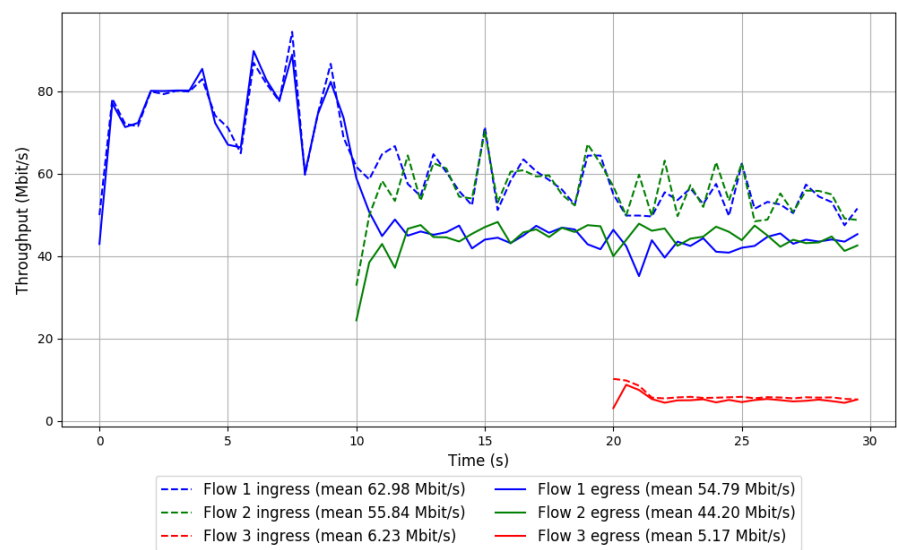


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-10 23:05:31
End at: 2018-04-10 23:06:01
Local clock offset: 1.027 ms
Remote clock offset: -2.522 ms

Below is generated by plot.py at 2018-04-11 03:37:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.94 Mbit/s
95th percentile per-packet one-way delay: 61.907 ms
Loss rate: 15.95%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 59.845 ms
Loss rate: 13.01%
-- Flow 2:
Average throughput: 44.20 Mbit/s
95th percentile per-packet one-way delay: 64.164 ms
Loss rate: 20.86%
-- Flow 3:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 62.305 ms
Loss rate: 16.98%

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

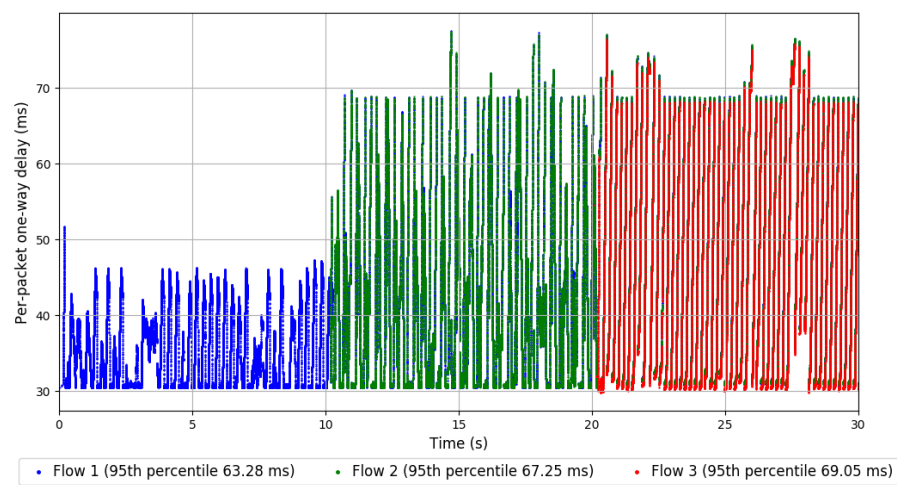
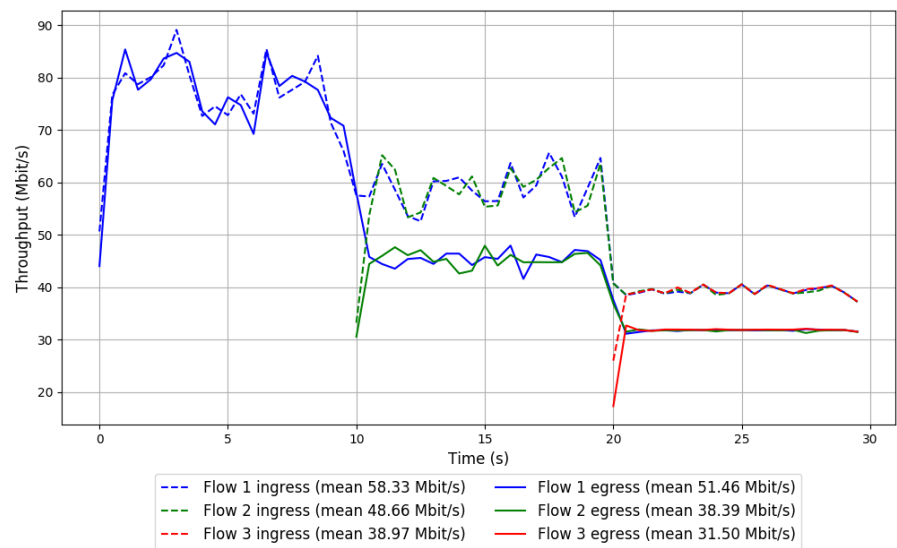


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-10 23:32:49
End at: 2018-04-10 23:33:19
Local clock offset: 1.036 ms
Remote clock offset: -1.789 ms

Below is generated by plot.py at 2018-04-11 03:37:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 66.047 ms
Loss rate: 15.63%
-- Flow 1:
Average throughput: 51.46 Mbit/s
95th percentile per-packet one-way delay: 63.276 ms
Loss rate: 11.78%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 67.251 ms
Loss rate: 21.09%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 69.053 ms
Loss rate: 19.37%

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

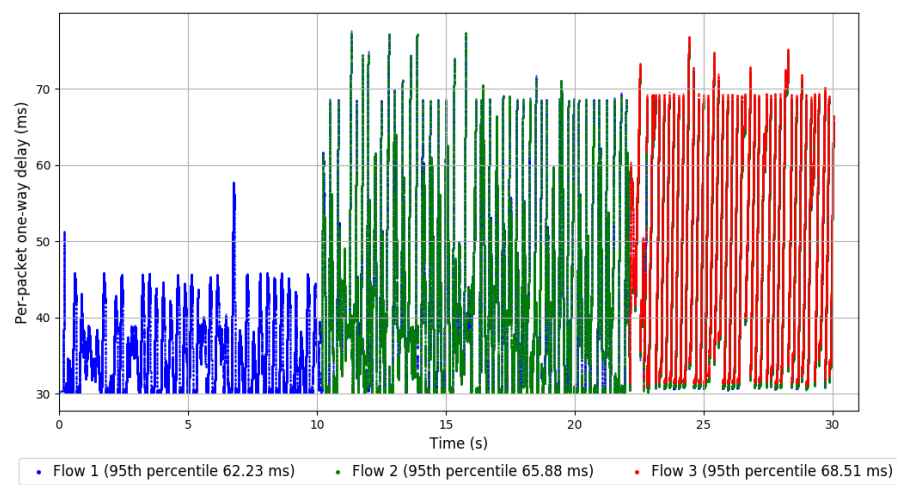
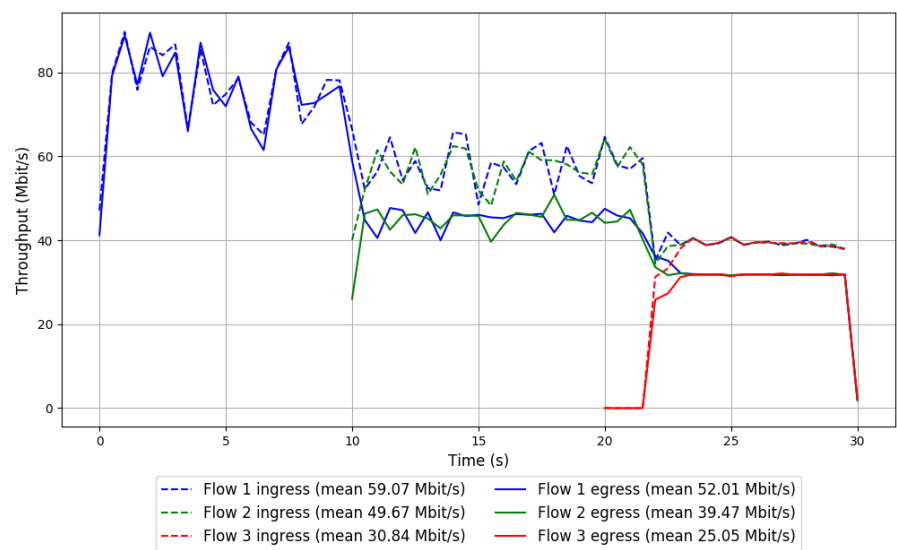


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-11 00:00:41
End at: 2018-04-11 00:01:11
Local clock offset: 1.853 ms
Remote clock offset: -4.036 ms

Below is generated by plot.py at 2018-04-11 03:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 64.903 ms
Loss rate: 15.29%
-- Flow 1:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: 62.230 ms
Loss rate: 11.85%
-- Flow 2:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 65.878 ms
Loss rate: 20.44%
-- Flow 3:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 68.514 ms
Loss rate: 18.49%

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

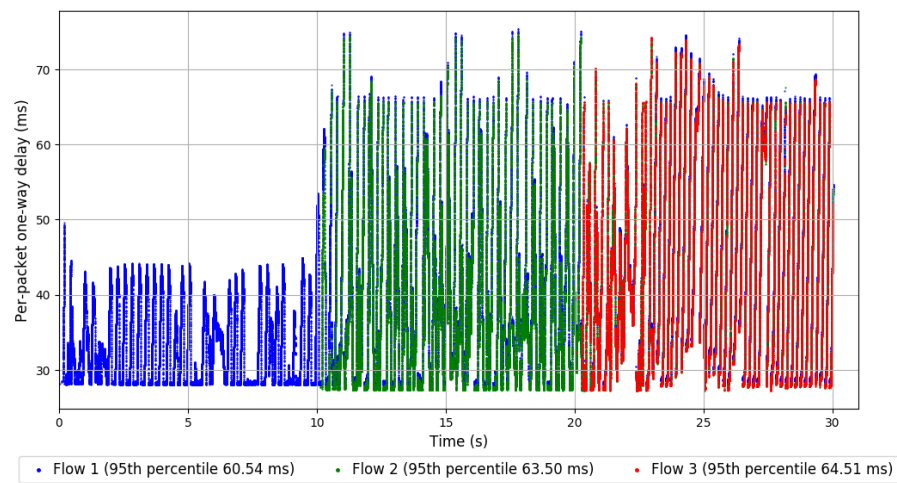
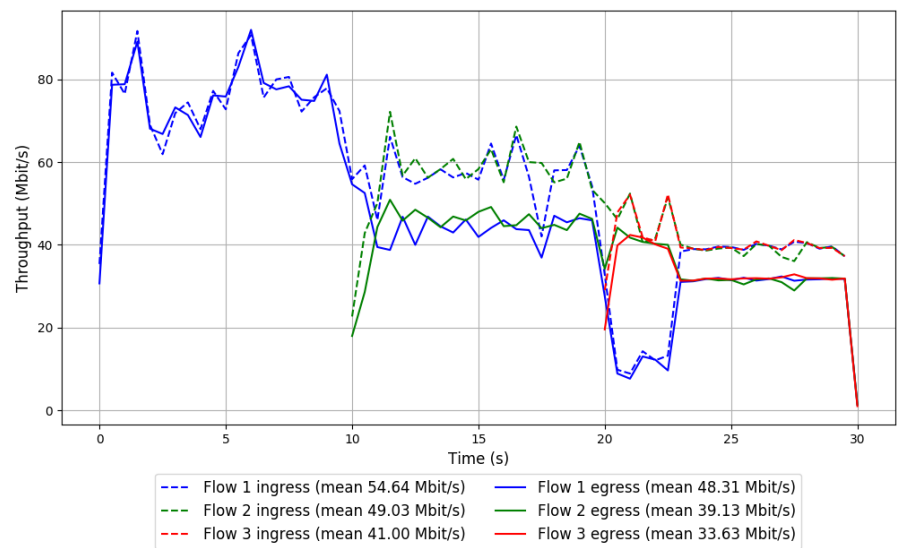


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-11 00:30:32
End at: 2018-04-11 00:31:02
Local clock offset: 1.94 ms
Remote clock offset: -6.196 ms

Below is generated by plot.py at 2018-04-11 03:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.52 Mbit/s
95th percentile per-packet one-way delay: 62.640 ms
Loss rate: 15.17%
-- Flow 1:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 60.543 ms
Loss rate: 11.51%
-- Flow 2:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 63.496 ms
Loss rate: 20.18%
-- Flow 3:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 64.512 ms
Loss rate: 17.85%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-11 00:59:25

End at: 2018-04-11 00:59:55

Local clock offset: 1.489 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-04-11 03:37:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.53 Mbit/s

95th percentile per-packet one-way delay: 65.816 ms

Loss rate: 15.57%

-- Flow 1:

Average throughput: 52.94 Mbit/s

95th percentile per-packet one-way delay: 62.558 ms

Loss rate: 11.42%

-- Flow 2:

Average throughput: 37.37 Mbit/s

95th percentile per-packet one-way delay: 66.806 ms

Loss rate: 22.38%

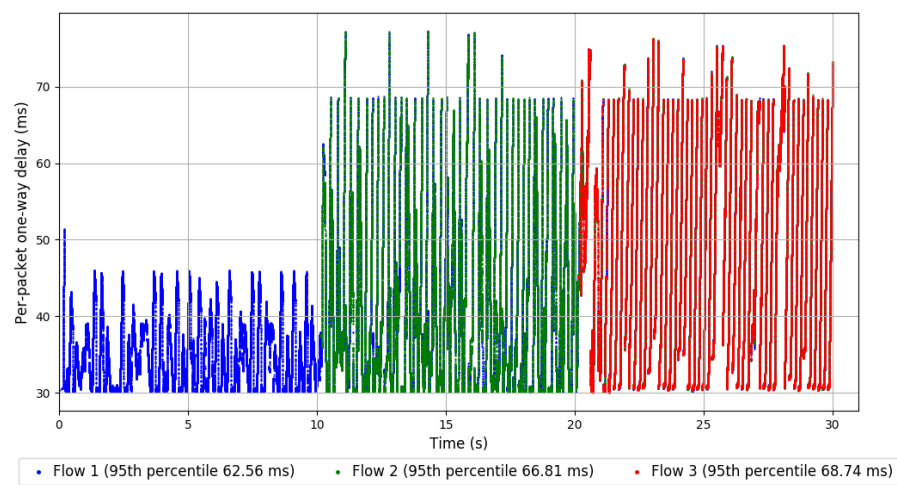
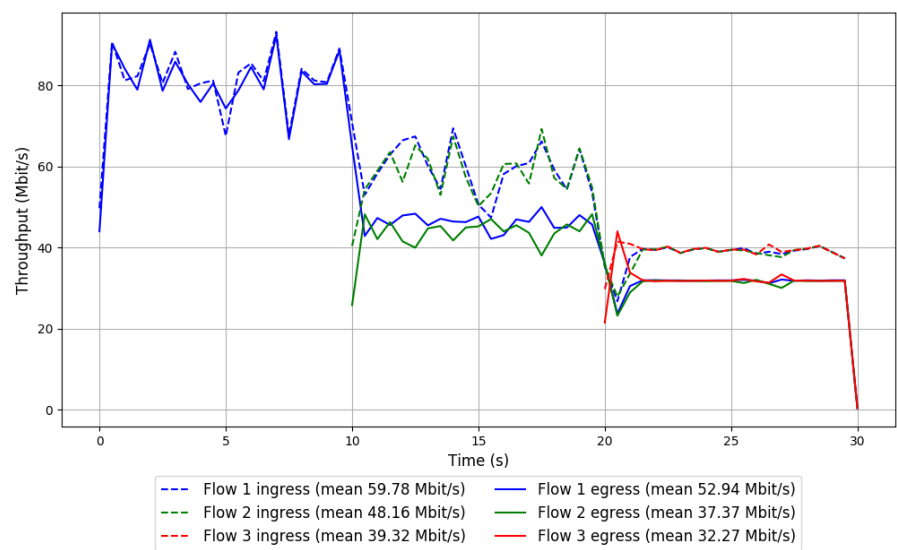
-- Flow 3:

Average throughput: 32.27 Mbit/s

95th percentile per-packet one-way delay: 68.743 ms

Loss rate: 17.86%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-11 01:25:59

End at: 2018-04-11 01:26:29

Local clock offset: 0.755 ms

Remote clock offset: 7.693 ms

Below is generated by plot.py at 2018-04-11 03:37:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.15 Mbit/s

95th percentile per-packet one-way delay: 63.629 ms

Loss rate: 16.07%

-- Flow 1:

Average throughput: 52.31 Mbit/s

95th percentile per-packet one-way delay: 61.033 ms

Loss rate: 12.26%

-- Flow 2:

Average throughput: 38.35 Mbit/s

95th percentile per-packet one-way delay: 64.667 ms

Loss rate: 21.65%

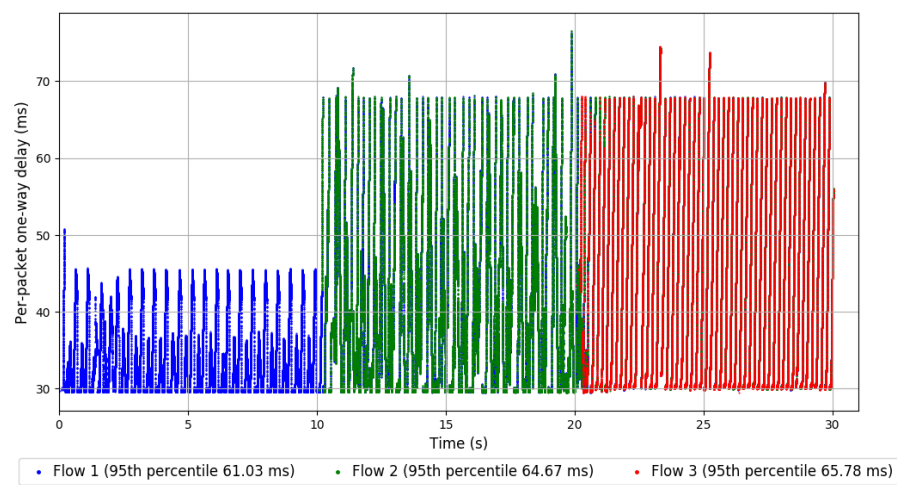
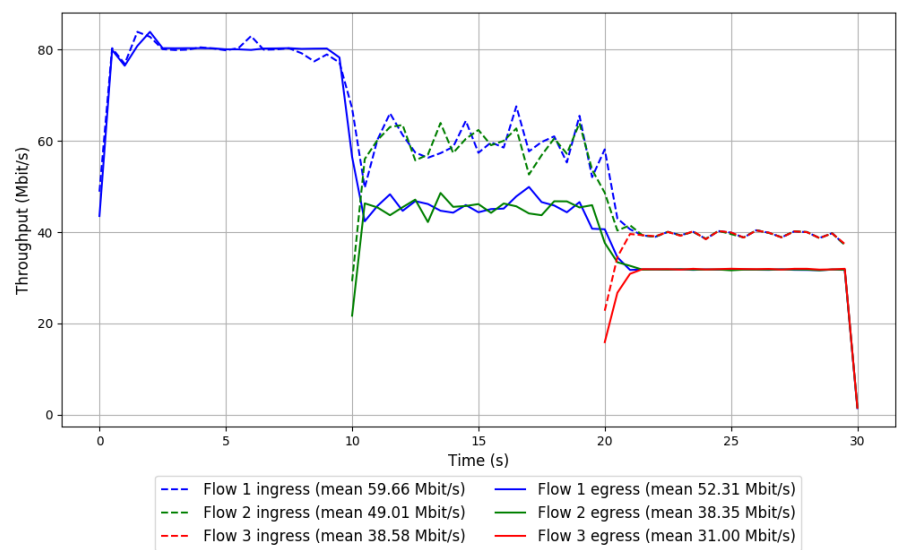
-- Flow 3:

Average throughput: 31.00 Mbit/s

95th percentile per-packet one-way delay: 65.780 ms

Loss rate: 19.56%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-11 01:52:03

End at: 2018-04-11 01:52:33

Local clock offset: 0.59 ms

Remote clock offset: 9.726 ms

Below is generated by plot.py at 2018-04-11 03:37:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.77 Mbit/s

95th percentile per-packet one-way delay: 62.170 ms

Loss rate: 14.90%

-- Flow 1:

Average throughput: 49.99 Mbit/s

95th percentile per-packet one-way delay: 59.636 ms

Loss rate: 11.34%

-- Flow 2:

Average throughput: 38.22 Mbit/s

95th percentile per-packet one-way delay: 63.665 ms

Loss rate: 19.63%

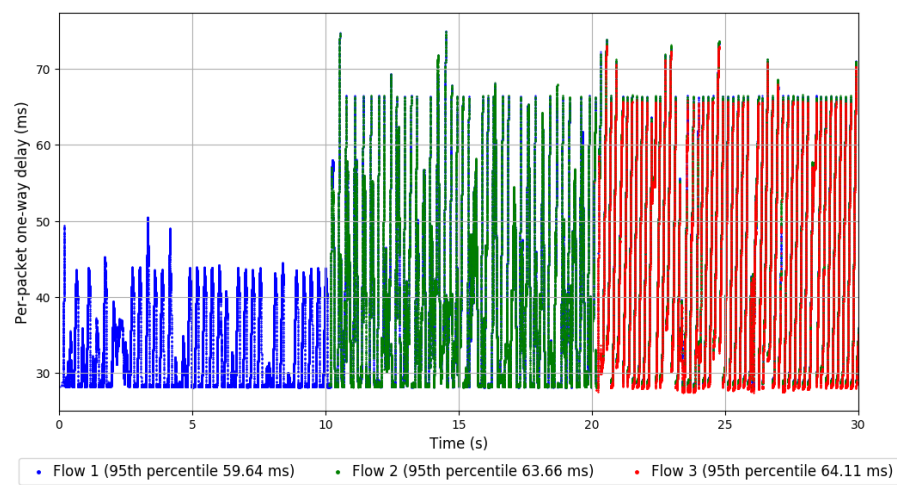
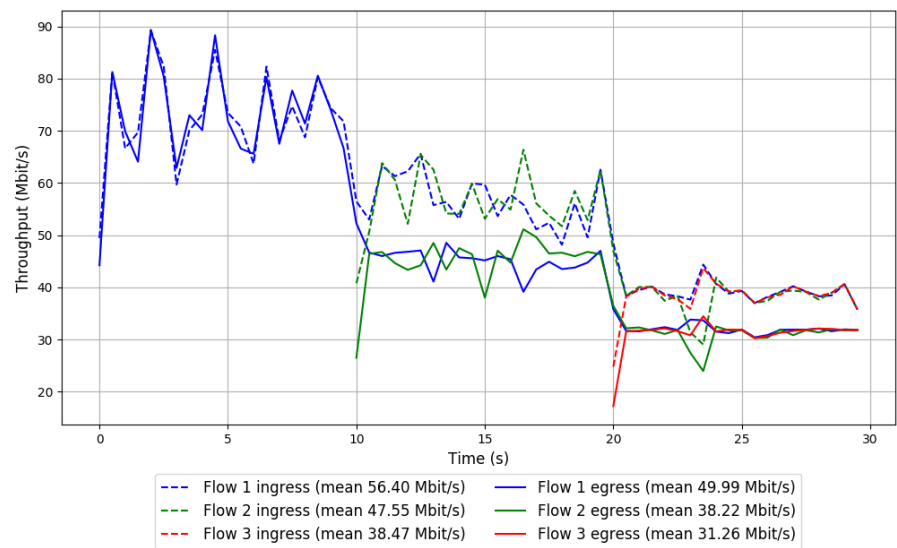
-- Flow 3:

Average throughput: 31.26 Mbit/s

95th percentile per-packet one-way delay: 64.107 ms

Loss rate: 18.91%

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

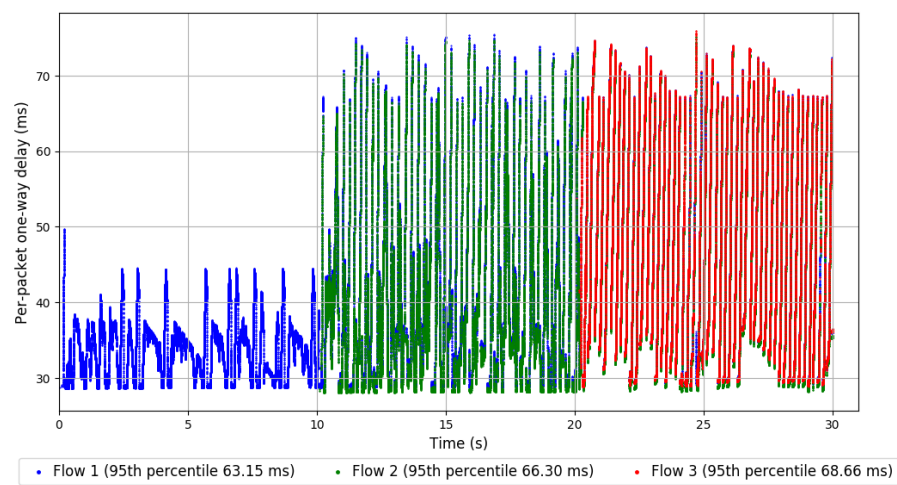
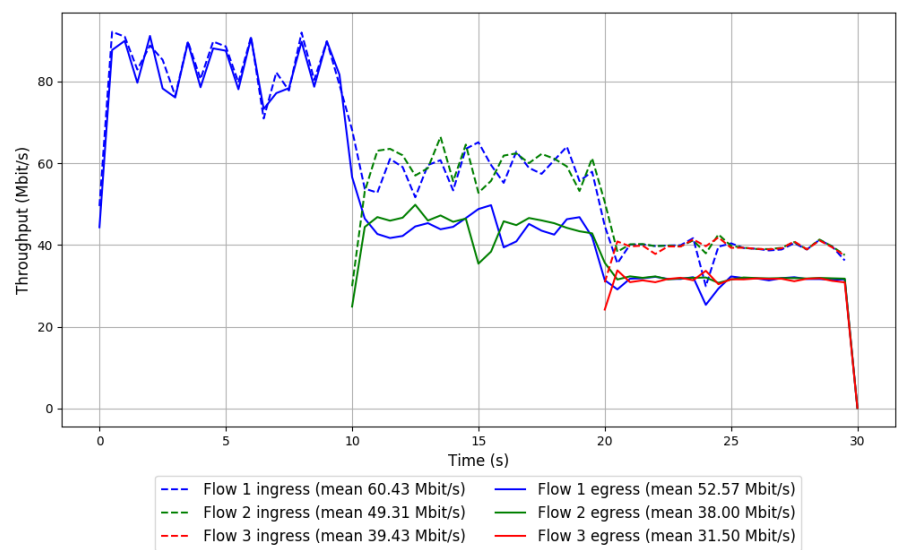


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-11 02:19:15
End at: 2018-04-11 02:19:45
Local clock offset: 0.318 ms
Remote clock offset: -2.192 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 65.525 ms
Loss rate: 16.95%
-- Flow 1:
Average throughput: 52.57 Mbit/s
95th percentile per-packet one-way delay: 63.150 ms
Loss rate: 12.98%
-- Flow 2:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 66.296 ms
Loss rate: 22.92%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 68.657 ms
Loss rate: 20.27%

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

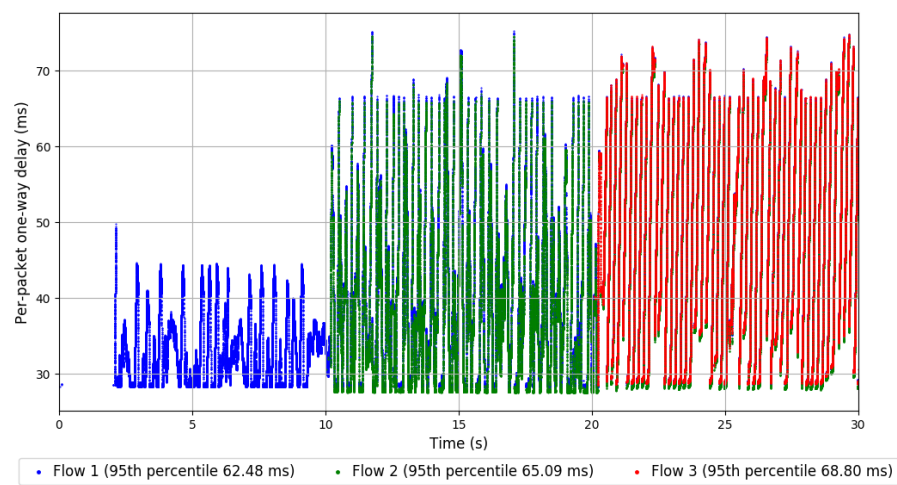
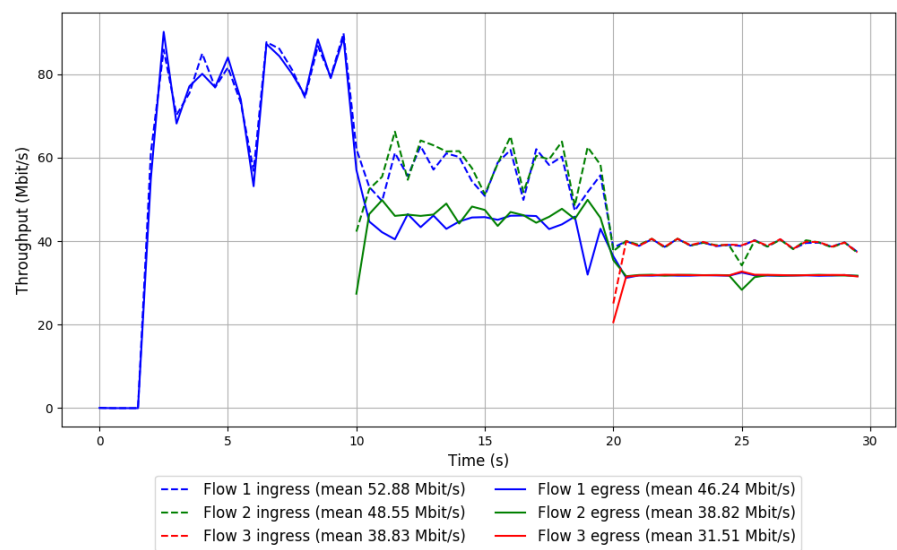


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-11 02:46:34
End at: 2018-04-11 02:47:04
Local clock offset: 0.412 ms
Remote clock offset: -8.659 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 64.987 ms
Loss rate: 15.87%
-- Flow 1:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 62.476 ms
Loss rate: 12.55%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 65.094 ms
Loss rate: 20.06%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 68.800 ms
Loss rate: 18.95%

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

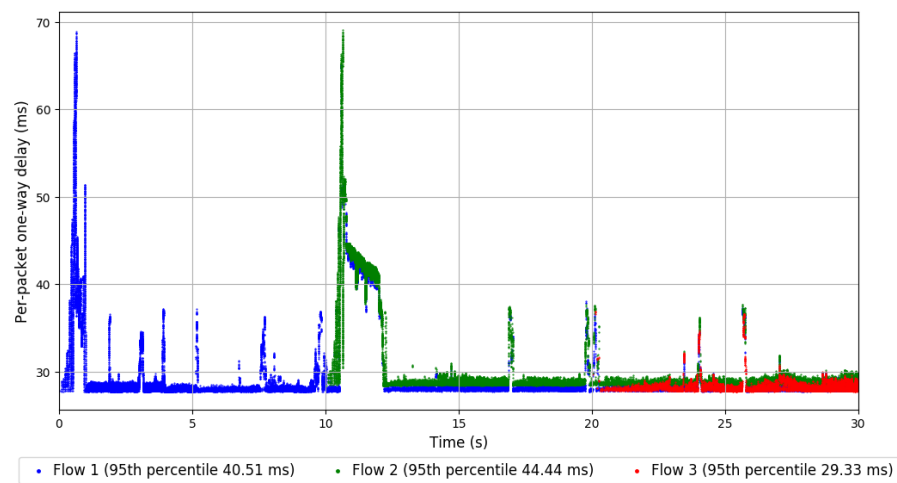
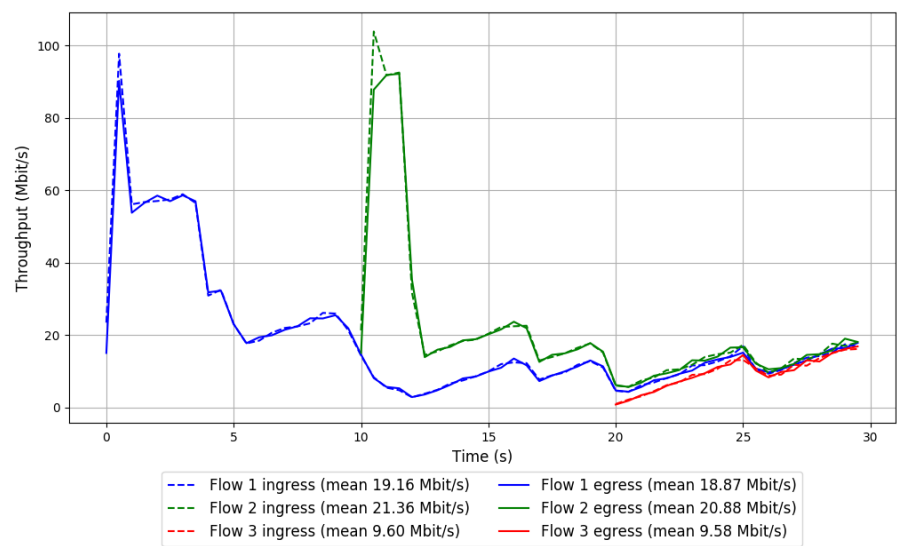


Run 1: Statistics of TCP Vegas

Start at: 2018-04-10 22:27:19
End at: 2018-04-10 22:27:49
Local clock offset: 0.36 ms
Remote clock offset: -5.141 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 43.661 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 18.87 Mbit/s
95th percentile per-packet one-way delay: 40.510 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 44.439 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 29.332 ms
Loss rate: 0.23%

Run 1: Report of TCP Vegas — Data Link

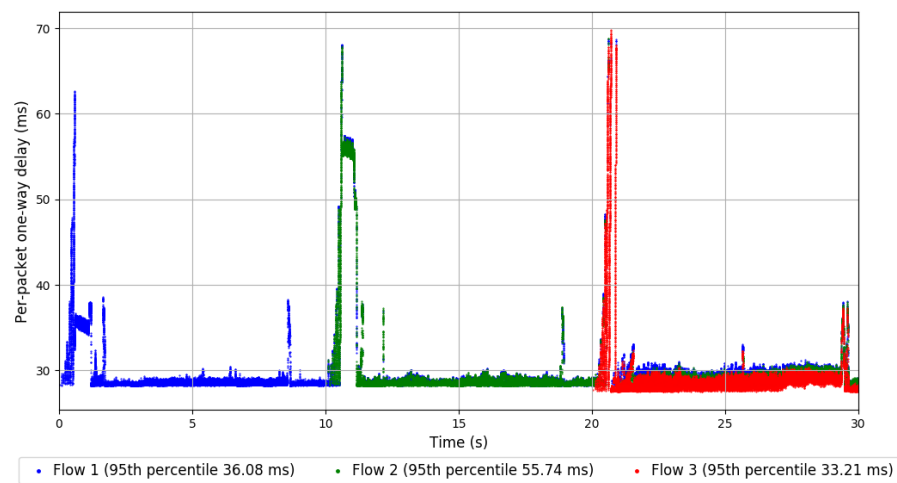
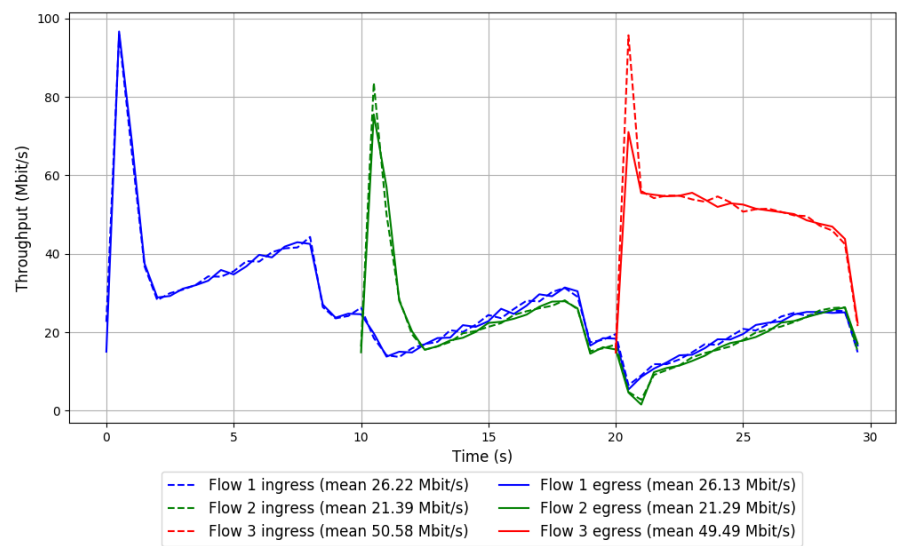


Run 2: Statistics of TCP Vegas

Start at: 2018-04-10 22:53:43
End at: 2018-04-10 22:54:13
Local clock offset: 0.916 ms
Remote clock offset: -5.137 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 41.398 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 36.077 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 55.737 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 49.49 Mbit/s
95th percentile per-packet one-way delay: 33.211 ms
Loss rate: 2.15%

Run 2: Report of TCP Vegas — Data Link

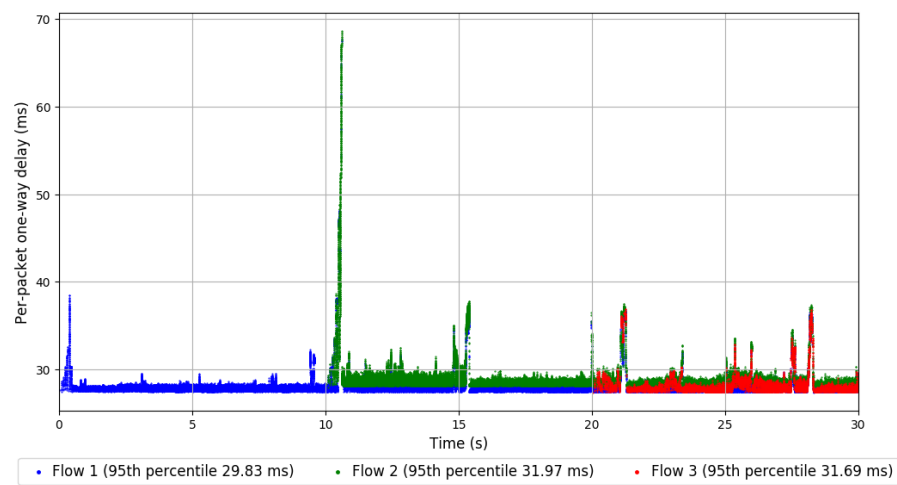
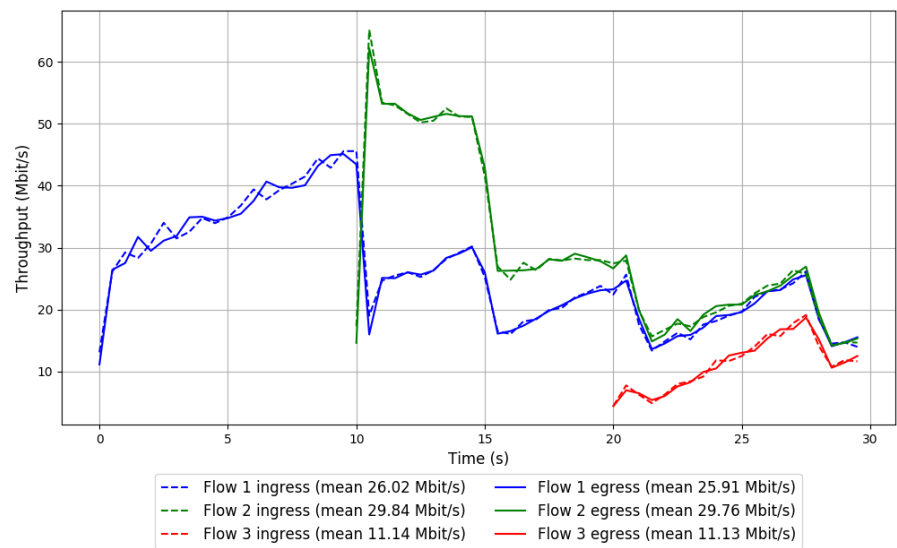


Run 3: Statistics of TCP Vegas

Start at: 2018-04-10 23:20:35
End at: 2018-04-10 23:21:05
Local clock offset: 1.159 ms
Remote clock offset: -4.752 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 30.937 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 25.91 Mbit/s
95th percentile per-packet one-way delay: 29.831 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 31.969 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 31.687 ms
Loss rate: 0.12%

Run 3: Report of TCP Vegas — Data Link

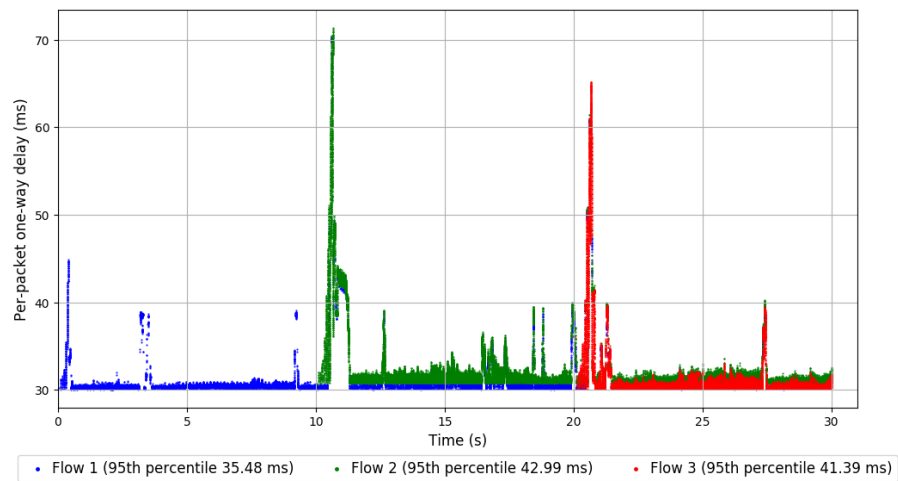
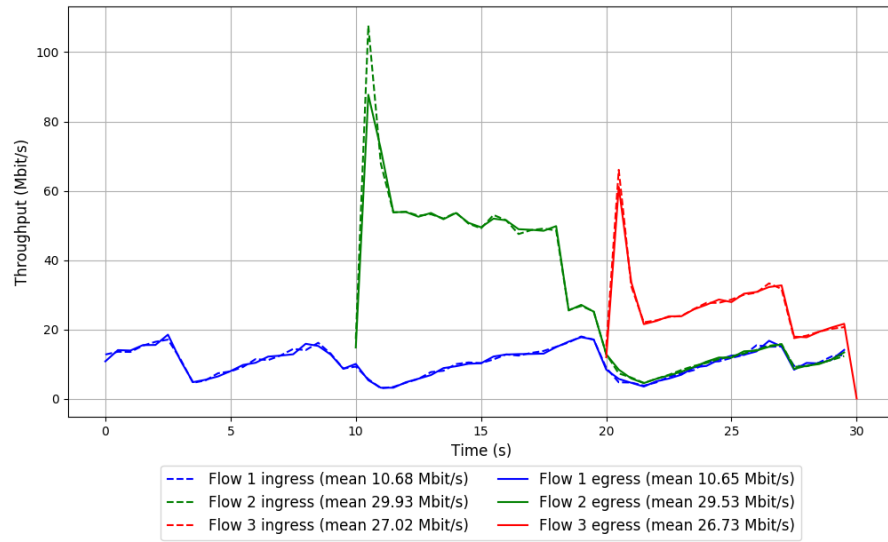


Run 4: Statistics of TCP Vegas

Start at: 2018-04-10 23:48:07
End at: 2018-04-10 23:48:37
Local clock offset: 1.422 ms
Remote clock offset: -1.189 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 42.441 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 35.481 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 42.988 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 41.387 ms
Loss rate: 1.13%

Run 4: Report of TCP Vegas — Data Link

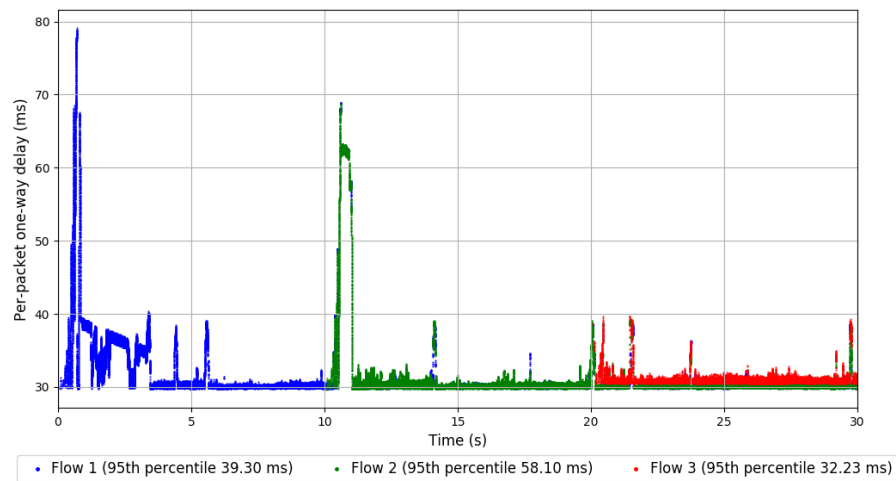
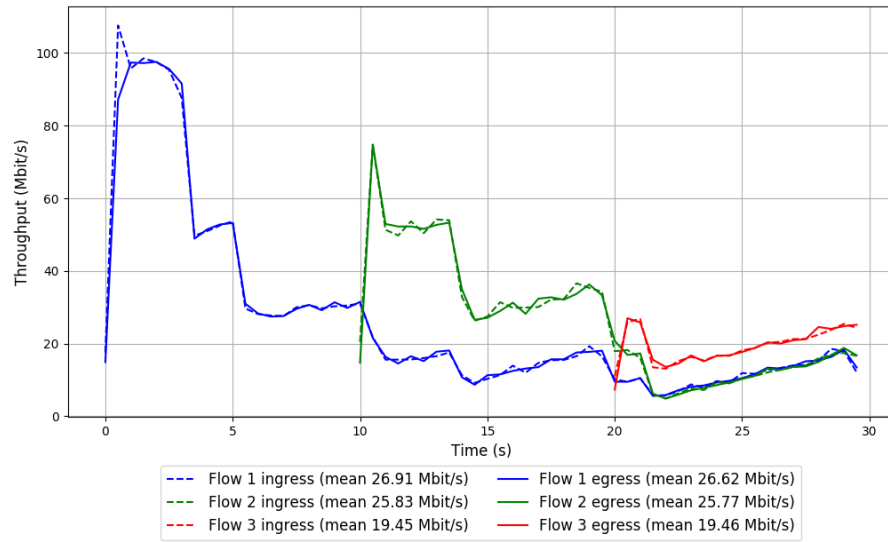


Run 5: Statistics of TCP Vegas

Start at: 2018-04-11 00:17:40
End at: 2018-04-11 00:18:10
Local clock offset: 2.22 ms
Remote clock offset: -5.684 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 40.053 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 39.302 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 58.097 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 19.46 Mbit/s
95th percentile per-packet one-way delay: 32.231 ms
Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

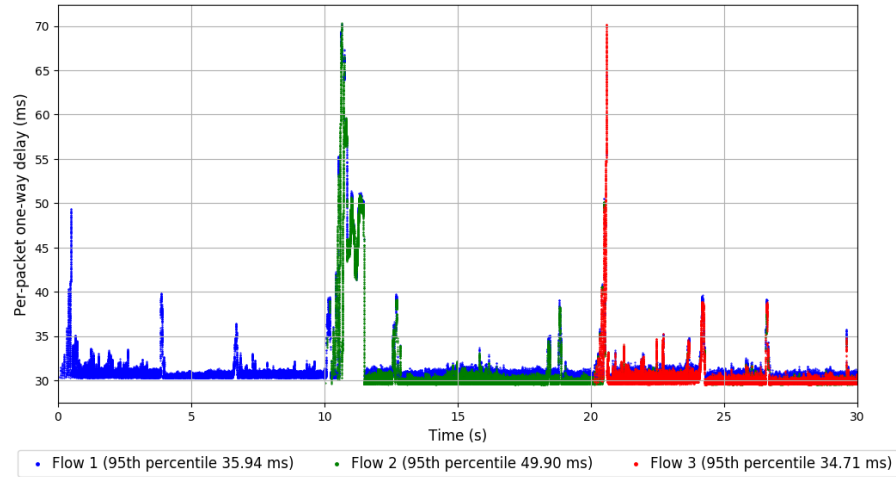
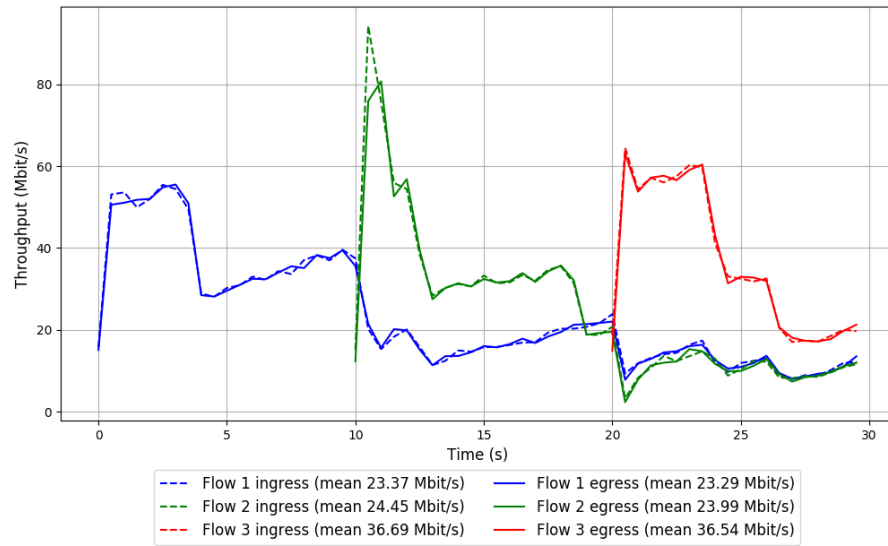


Run 6: Statistics of TCP Vegas

Start at: 2018-04-11 00:46:50
End at: 2018-04-11 00:47:20
Local clock offset: 1.501 ms
Remote clock offset: -1.251 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.40 Mbit/s
95th percentile per-packet one-way delay: 44.942 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 35.943 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 49.895 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 34.712 ms
Loss rate: 0.40%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-11 01:14:09

End at: 2018-04-11 01:14:39

Local clock offset: 0.868 ms

Remote clock offset: 5.277 ms

Below is generated by plot.py at 2018-04-11 03:39:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 38.706 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 38.819 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 9.78 Mbit/s

95th percentile per-packet one-way delay: 34.710 ms

Loss rate: 0.42%

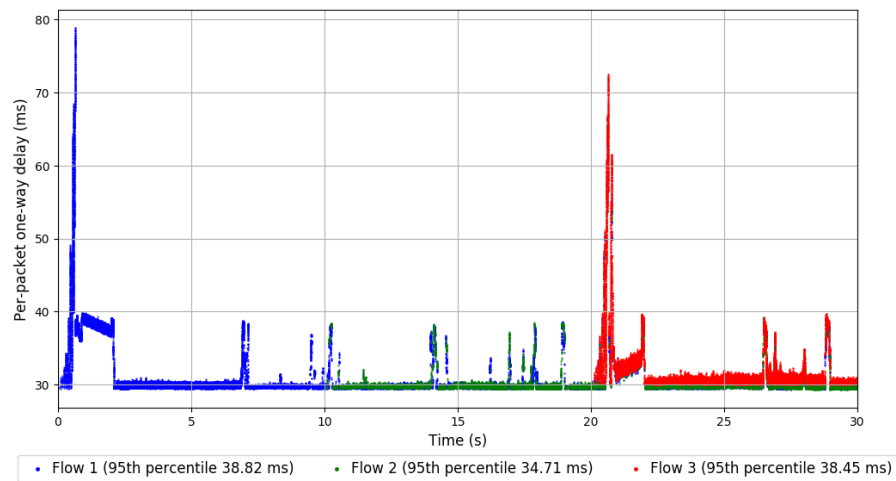
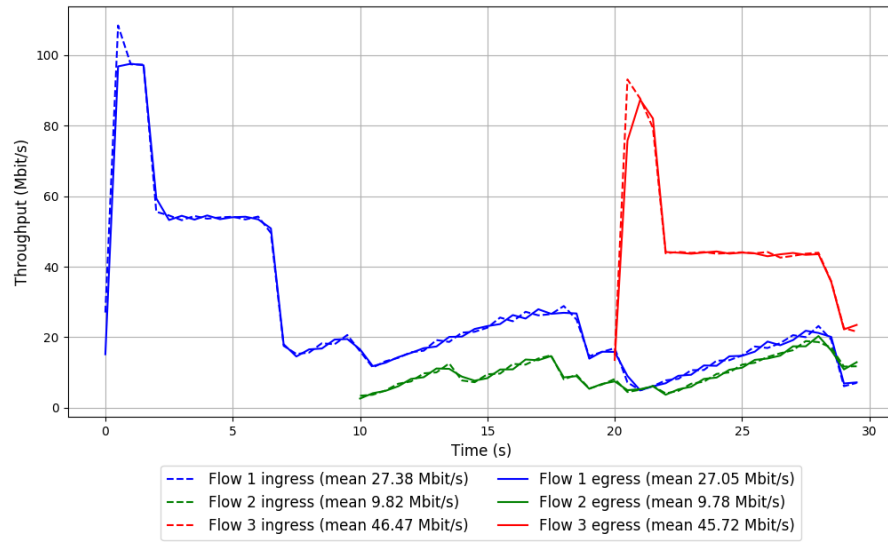
-- Flow 3:

Average throughput: 45.72 Mbit/s

95th percentile per-packet one-way delay: 38.453 ms

Loss rate: 1.62%

Run 7: Report of TCP Vegas — Data Link

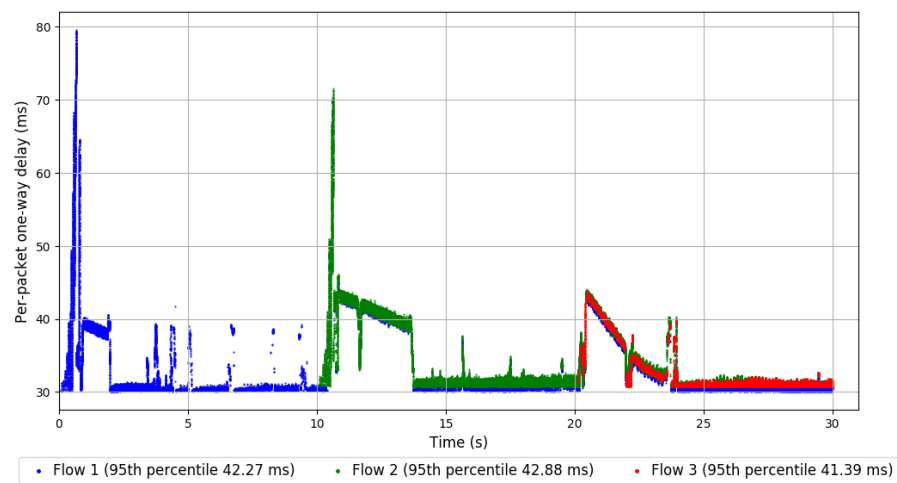
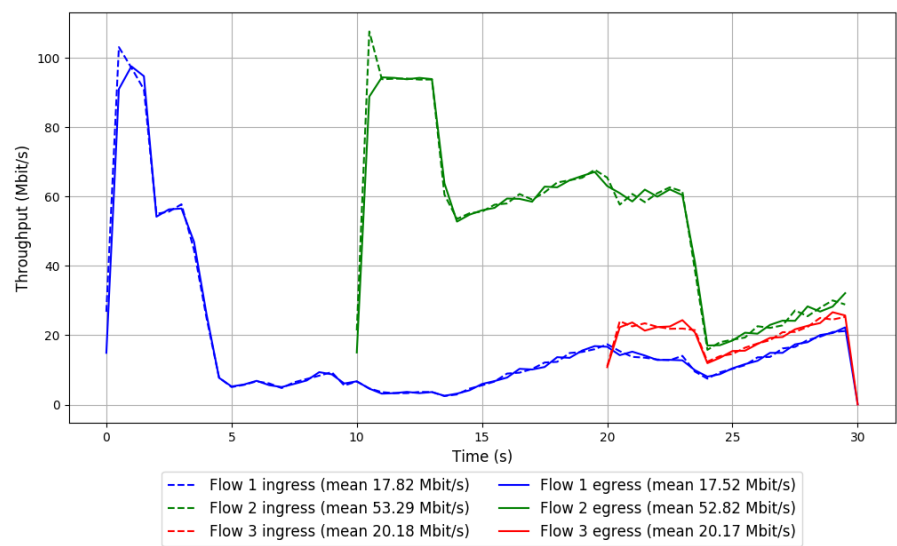


Run 8: Statistics of TCP Vegas

Start at: 2018-04-11 01:40:02
End at: 2018-04-11 01:40:32
Local clock offset: 0.569 ms
Remote clock offset: 10.423 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.38 Mbit/s
95th percentile per-packet one-way delay: 42.809 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 42.266 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 52.82 Mbit/s
95th percentile per-packet one-way delay: 42.880 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 41.388 ms
Loss rate: 0.08%

Run 8: Report of TCP Vegas — Data Link

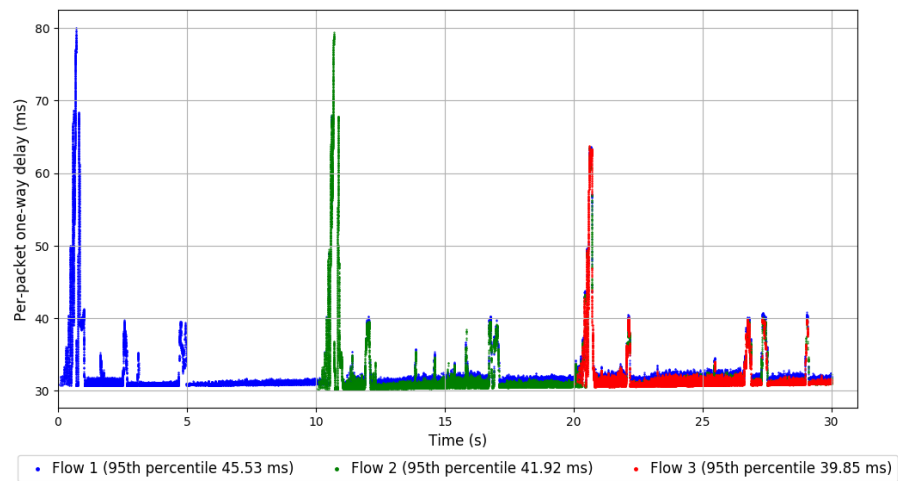
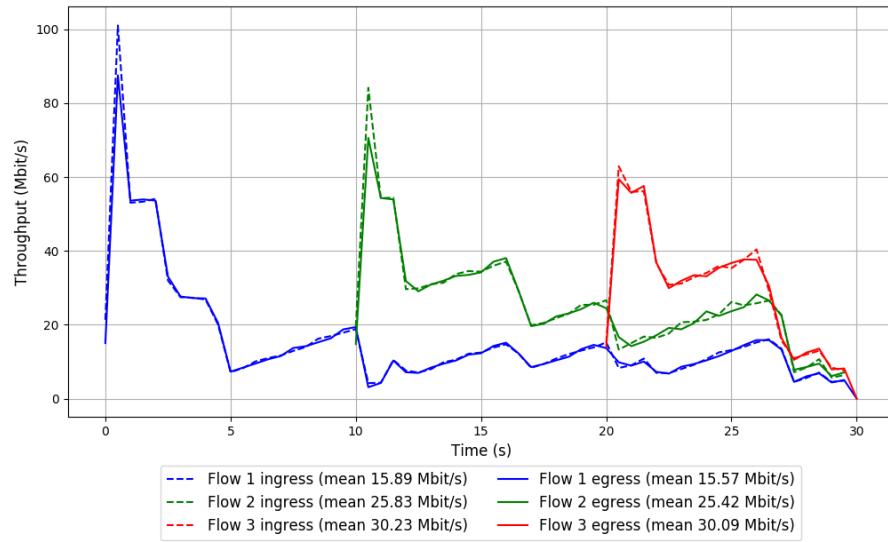


Run 9: Statistics of TCP Vegas

Start at: 2018-04-11 02:07:42
End at: 2018-04-11 02:08:12
Local clock offset: 0.484 ms
Remote clock offset: 14.835 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 42.918 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 45.530 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 41.922 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 39.848 ms
Loss rate: 0.45%

Run 9: Report of TCP Vegas — Data Link

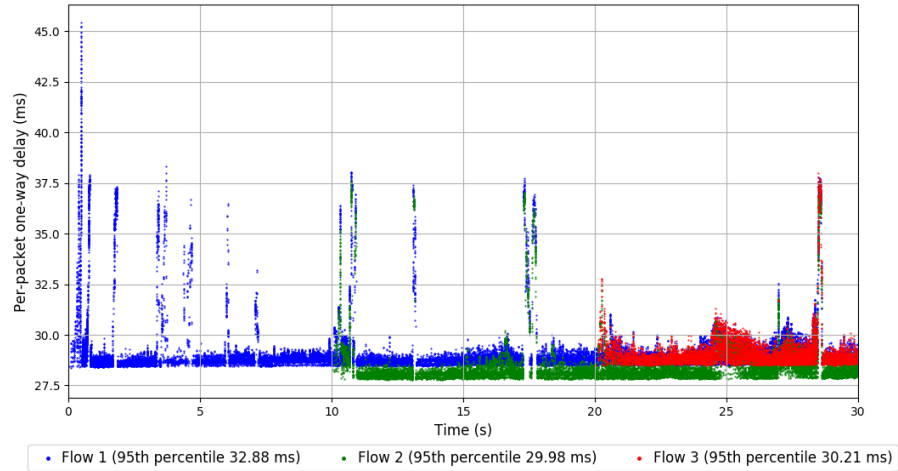
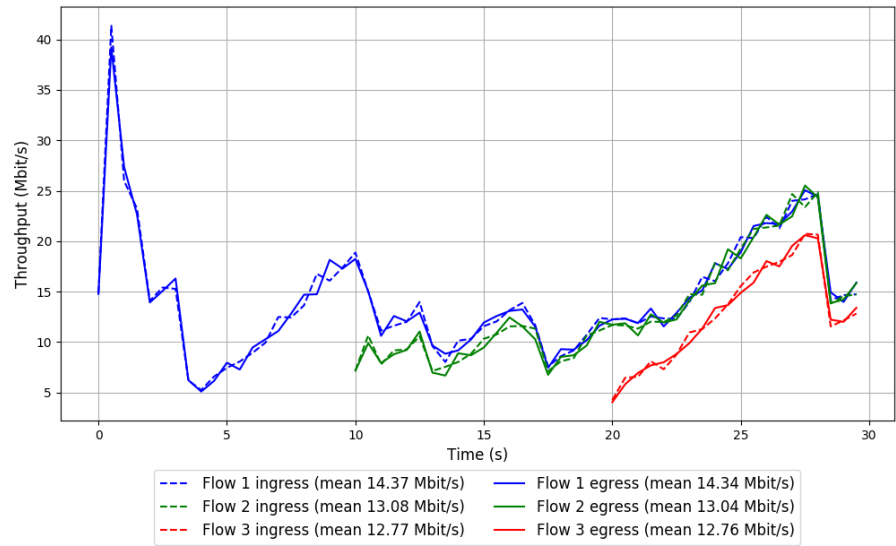


Run 10: Statistics of TCP Vegas

Start at: 2018-04-11 02:34:58
End at: 2018-04-11 02:35:28
Local clock offset: 0.293 ms
Remote clock offset: -8.663 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 31.000 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 32.877 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 29.976 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 12.76 Mbit/s
95th percentile per-packet one-way delay: 30.211 ms
Loss rate: 0.10%

Run 10: Report of TCP Vegas — Data Link

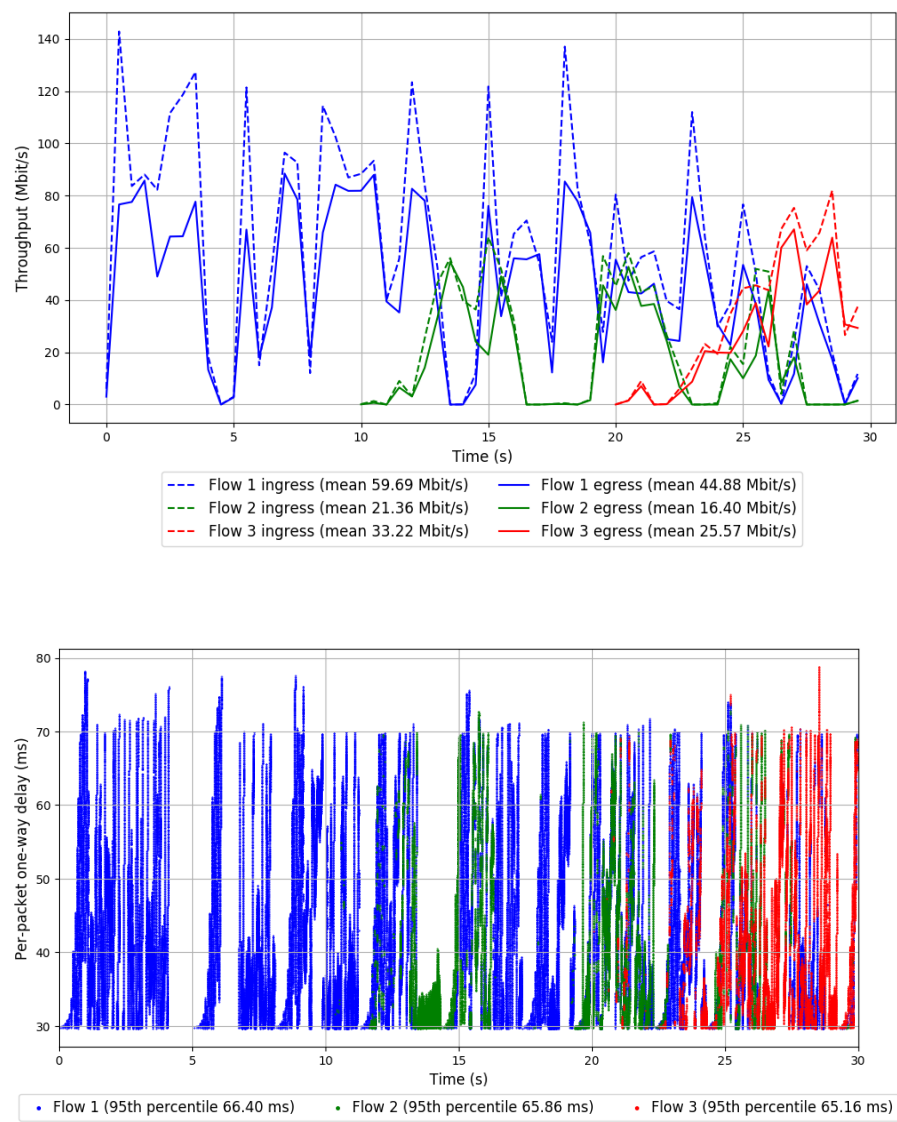


Run 1: Statistics of Verus

Start at: 2018-04-10 22:48:05
End at: 2018-04-10 22:48:35
Local clock offset: 0.699 ms
Remote clock offset: -3.371 ms

Below is generated by plot.py at 2018-04-11 03:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.02 Mbit/s
95th percentile per-packet one-way delay: 66.182 ms
Loss rate: 24.24%
-- Flow 1:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 66.404 ms
Loss rate: 24.74%
-- Flow 2:
Average throughput: 16.40 Mbit/s
95th percentile per-packet one-way delay: 65.860 ms
Loss rate: 23.05%
-- Flow 3:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 65.161 ms
Loss rate: 23.04%

Run 1: Report of Verus — Data Link

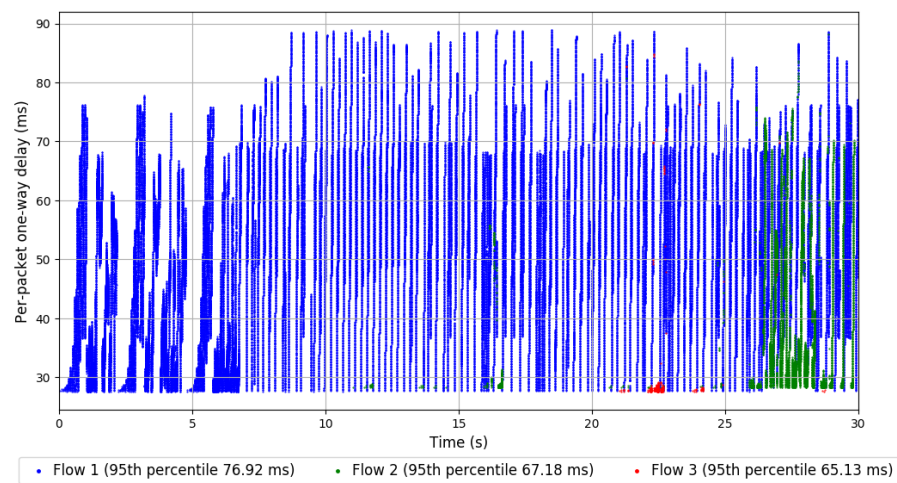
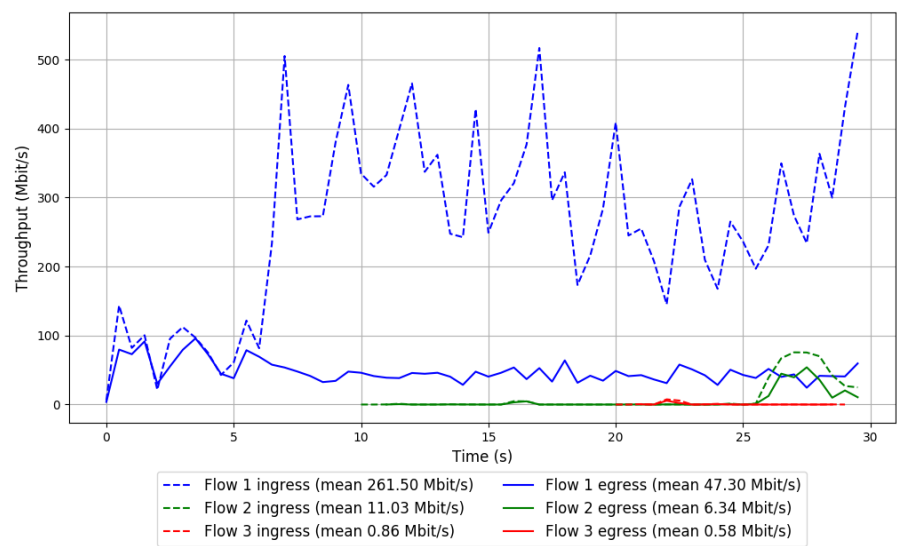


Run 2: Statistics of Verus

Start at: 2018-04-10 23:14:42
End at: 2018-04-10 23:15:12
Local clock offset: 1.257 ms
Remote clock offset: -5.153 ms

Below is generated by plot.py at 2018-04-11 03:40:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.42 Mbit/s
95th percentile per-packet one-way delay: 76.276 ms
Loss rate: 80.86%
-- Flow 1:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 76.917 ms
Loss rate: 81.88%
-- Flow 2:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 67.179 ms
Loss rate: 45.40%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 65.126 ms
Loss rate: 43.52%

Run 2: Report of Verus — Data Link

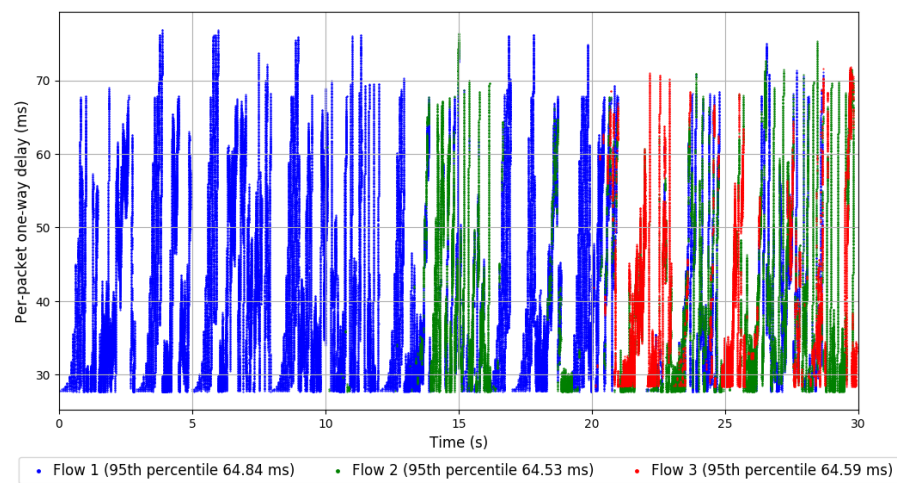
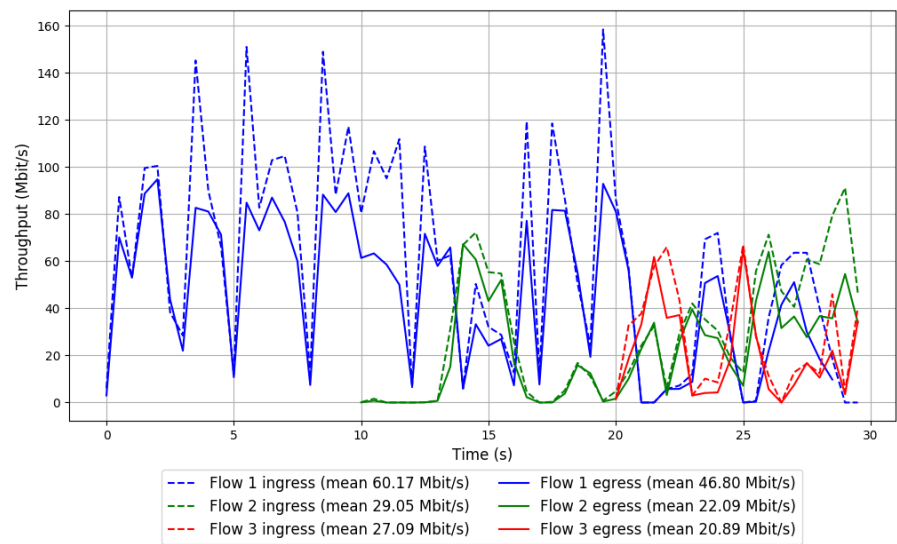


Run 3: Statistics of Verus

Start at: 2018-04-10 23:42:14
End at: 2018-04-10 23:42:44
Local clock offset: 1.174 ms
Remote clock offset: -3.683 ms

Below is generated by plot.py at 2018-04-11 03:40:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 64.761 ms
Loss rate: 24.43%
-- Flow 1:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 64.845 ms
Loss rate: 24.77%
-- Flow 2:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 64.535 ms
Loss rate: 24.08%
-- Flow 3:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 64.587 ms
Loss rate: 22.93%

Run 3: Report of Verus — Data Link

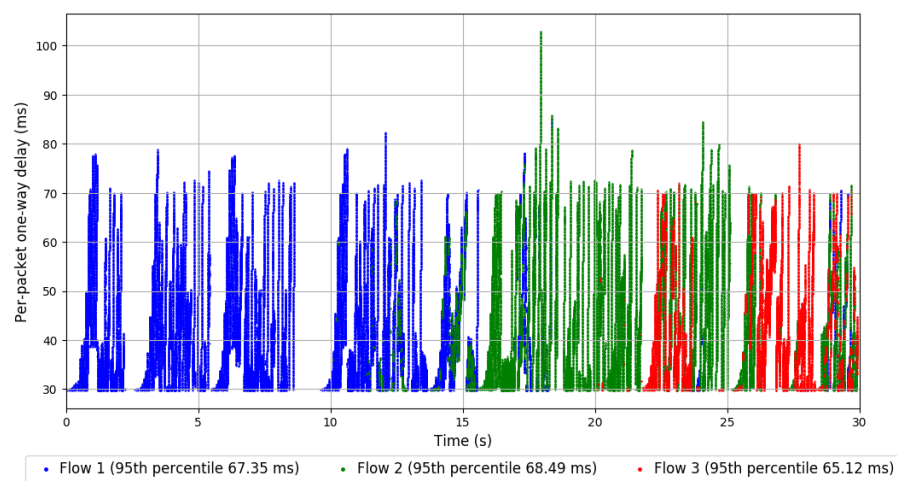
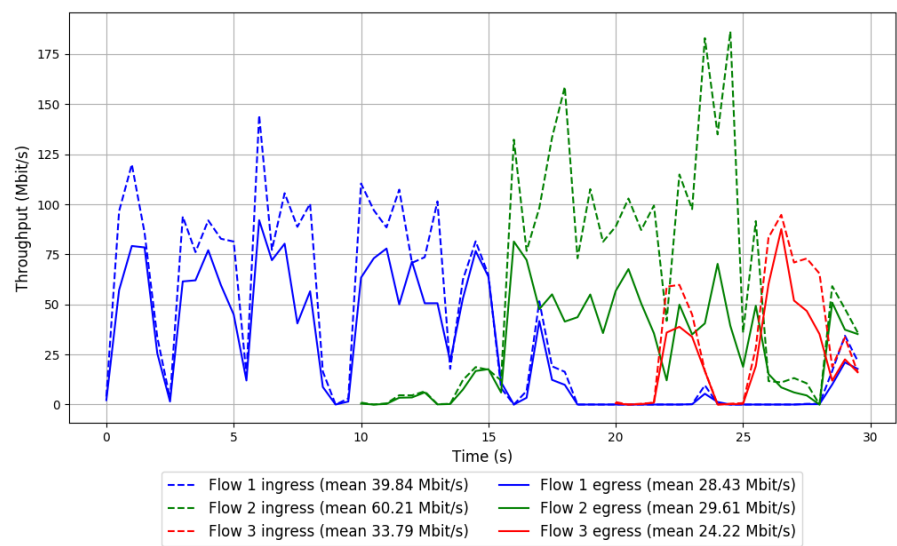


Run 4: Statistics of Verus

Start at: 2018-04-11 00:11:05
End at: 2018-04-11 00:11:35
Local clock offset: 2.032 ms
Remote clock offset: -5.516 ms

Below is generated by plot.py at 2018-04-11 03:40:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 67.529 ms
Loss rate: 38.33%
-- Flow 1:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 67.347 ms
Loss rate: 28.61%
-- Flow 2:
Average throughput: 29.61 Mbit/s
95th percentile per-packet one-way delay: 68.487 ms
Loss rate: 50.79%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 65.116 ms
Loss rate: 28.30%

Run 4: Report of Verus — Data Link

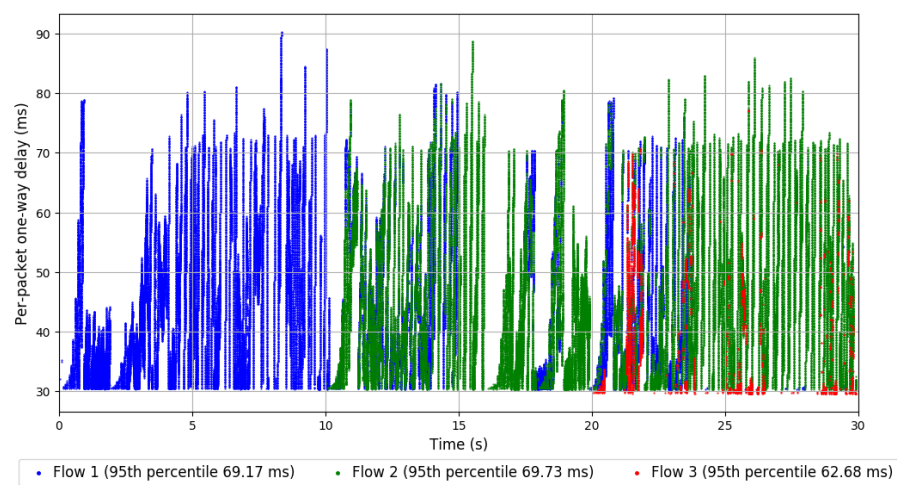
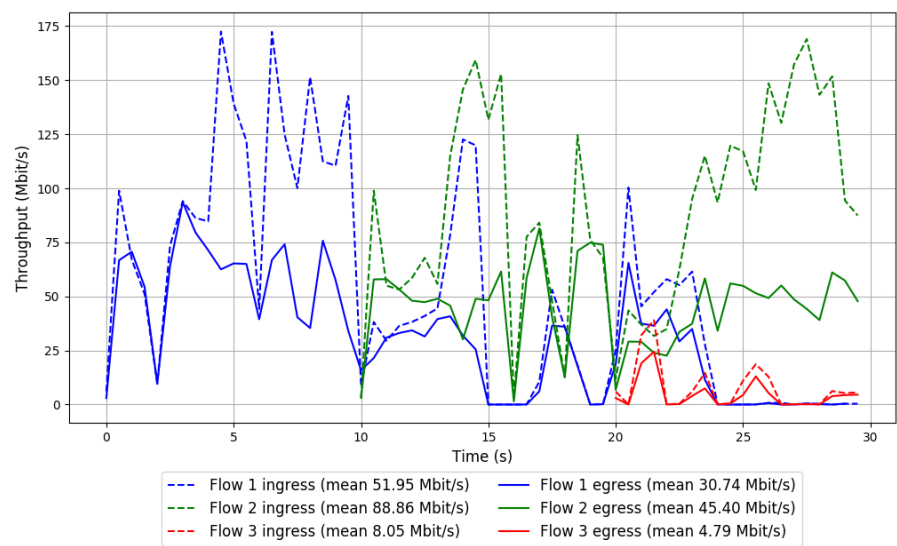


Run 5: Statistics of Verus

Start at: 2018-04-11 00:40:22
End at: 2018-04-11 00:40:52
Local clock offset: 1.499 ms
Remote clock offset: -2.078 ms

Below is generated by plot.py at 2018-04-11 03:40:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 69.381 ms
Loss rate: 45.11%
-- Flow 1:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 69.167 ms
Loss rate: 40.98%
-- Flow 2:
Average throughput: 45.40 Mbit/s
95th percentile per-packet one-way delay: 69.731 ms
Loss rate: 48.91%
-- Flow 3:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 62.682 ms
Loss rate: 40.54%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-11 01:08:17

End at: 2018-04-11 01:08:47

Local clock offset: 0.91 ms

Remote clock offset: 4.15 ms

Below is generated by plot.py at 2018-04-11 03:40:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.07 Mbit/s

95th percentile per-packet one-way delay: 70.889 ms

Loss rate: 57.80%

-- Flow 1:

Average throughput: 29.94 Mbit/s

95th percentile per-packet one-way delay: 67.797 ms

Loss rate: 26.59%

-- Flow 2:

Average throughput: 34.16 Mbit/s

95th percentile per-packet one-way delay: 74.432 ms

Loss rate: 73.31%

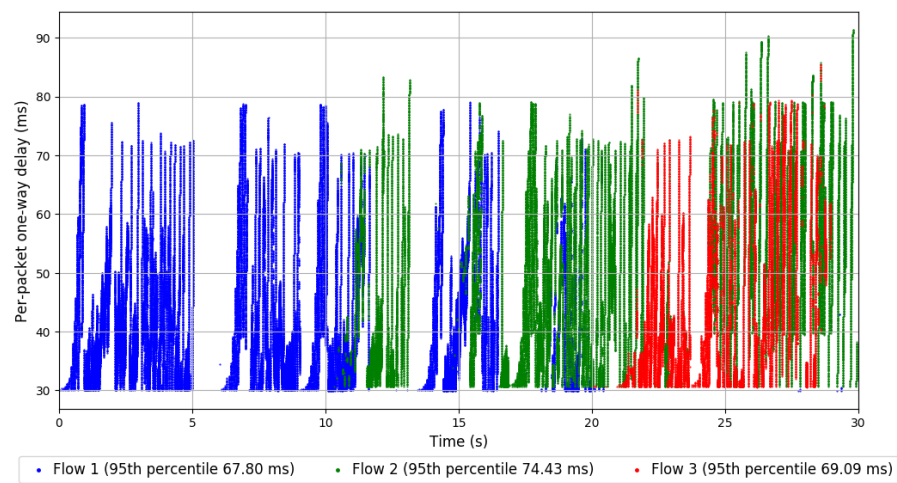
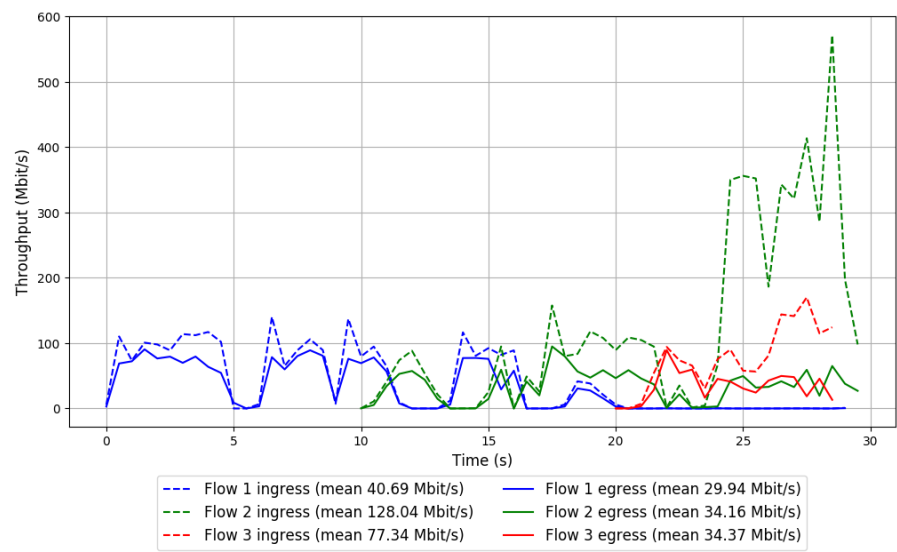
-- Flow 3:

Average throughput: 34.37 Mbit/s

95th percentile per-packet one-way delay: 69.093 ms

Loss rate: 55.76%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-11 01:34:28

End at: 2018-04-11 01:34:58

Local clock offset: 0.678 ms

Remote clock offset: 9.074 ms

Below is generated by plot.py at 2018-04-11 03:40:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.85 Mbit/s

95th percentile per-packet one-way delay: 68.100 ms

Loss rate: 33.39%

-- Flow 1:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 67.664 ms

Loss rate: 28.09%

-- Flow 2:

Average throughput: 25.93 Mbit/s

95th percentile per-packet one-way delay: 67.341 ms

Loss rate: 23.96%

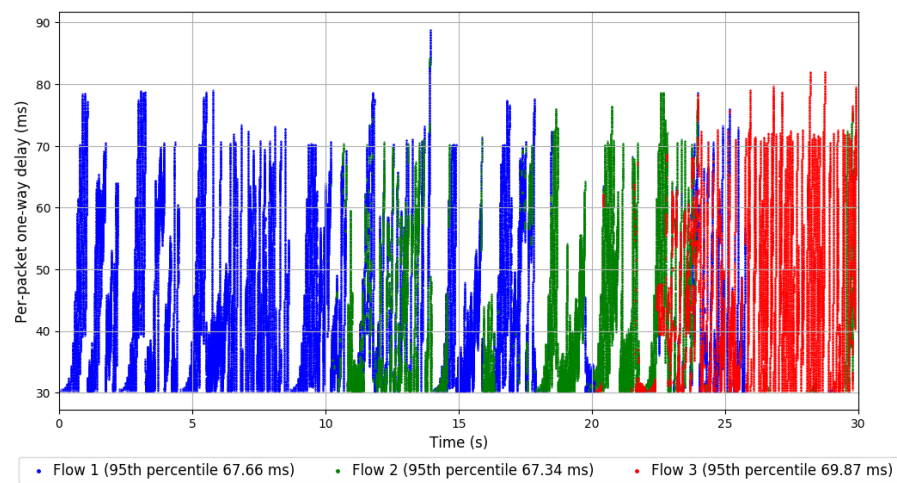
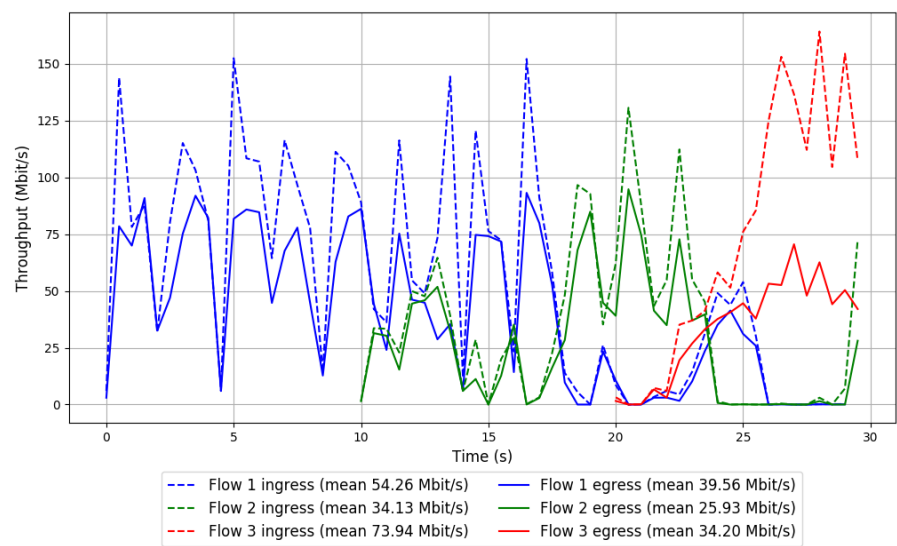
-- Flow 3:

Average throughput: 34.20 Mbit/s

95th percentile per-packet one-way delay: 69.872 ms

Loss rate: 53.71%

Run 7: Report of Verus — Data Link

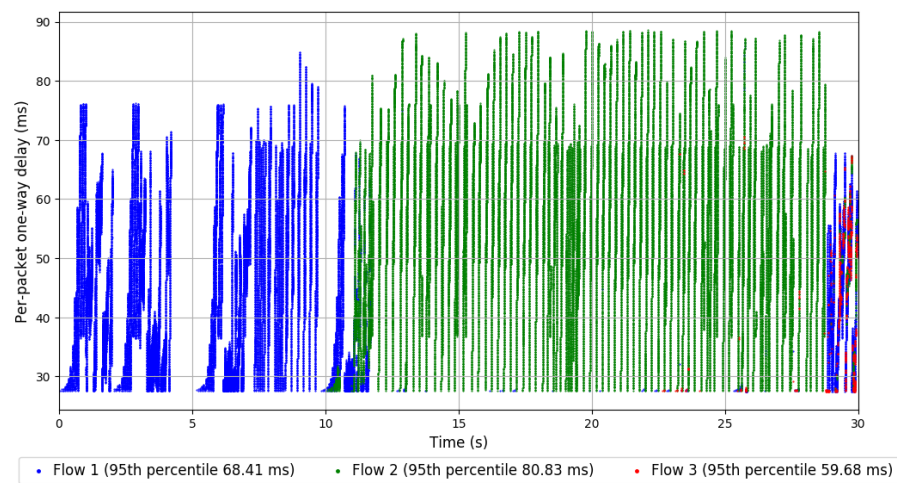
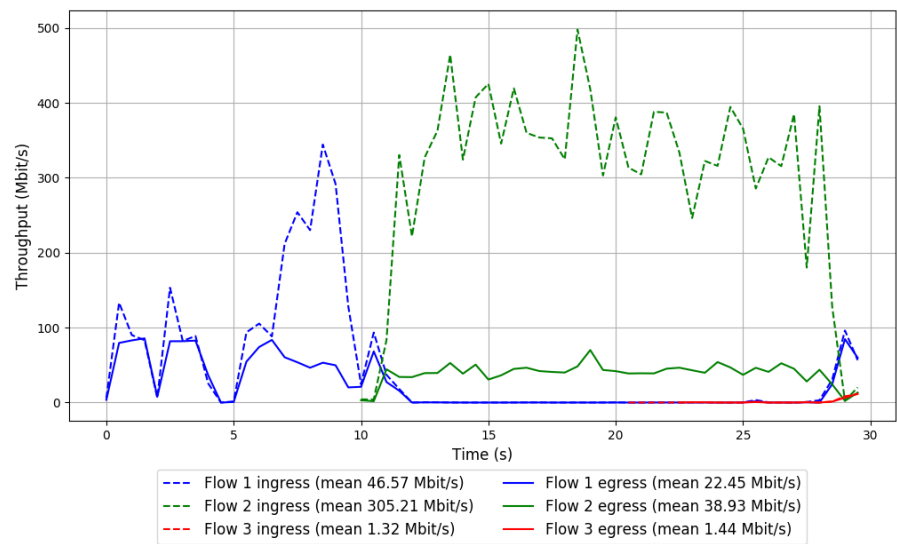


Run 8: Statistics of Verus

Start at: 2018-04-11 02:01:54
End at: 2018-04-11 02:02:24
Local clock offset: 0.418 ms
Remote clock offset: 11.303 ms

Below is generated by plot.py at 2018-04-11 03:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.67 Mbit/s
95th percentile per-packet one-way delay: 76.724 ms
Loss rate: 80.49%
-- Flow 1:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: 68.411 ms
Loss rate: 51.75%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 80.830 ms
Loss rate: 87.23%
-- Flow 3:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 59.679 ms
Loss rate: 13.75%

Run 8: Report of Verus — Data Link

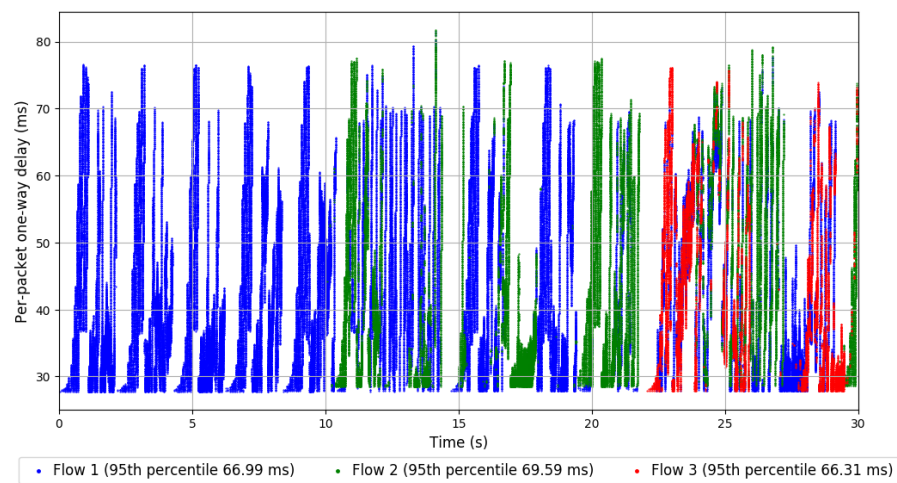
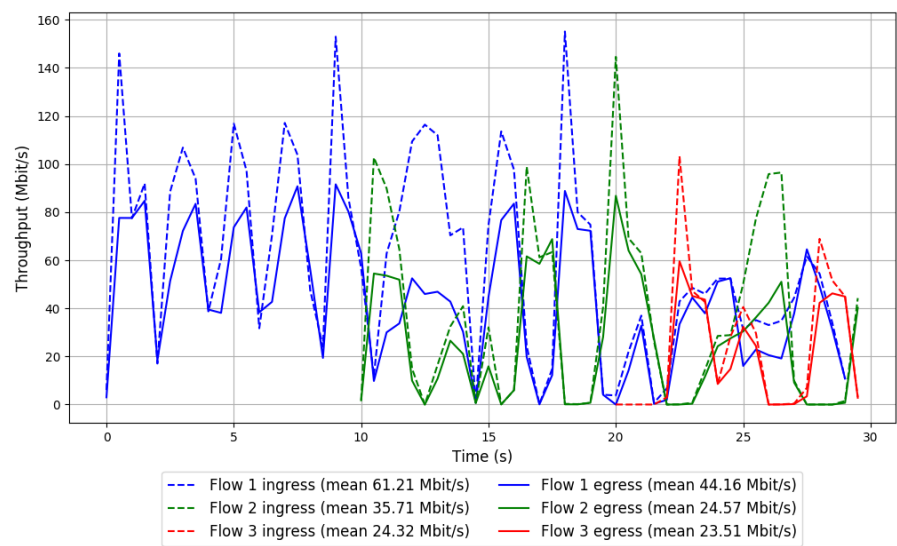


Run 9: Statistics of Verus

Start at: 2018-04-11 02:28:46
End at: 2018-04-11 02:29:16
Local clock offset: 0.249 ms
Remote clock offset: -6.956 ms

Below is generated by plot.py at 2018-04-11 03:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.48 Mbit/s
95th percentile per-packet one-way delay: 67.698 ms
Loss rate: 28.21%
-- Flow 1:
Average throughput: 44.16 Mbit/s
95th percentile per-packet one-way delay: 66.990 ms
Loss rate: 27.80%
-- Flow 2:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 69.586 ms
Loss rate: 31.15%
-- Flow 3:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 66.313 ms
Loss rate: 22.53%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-11 02:55:44

End at: 2018-04-11 02:56:14

Local clock offset: 0.656 ms

Remote clock offset: -4.61 ms

Below is generated by plot.py at 2018-04-11 03:41:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 70.994 ms

Loss rate: 50.85%

-- Flow 1:

Average throughput: 43.31 Mbit/s

95th percentile per-packet one-way delay: 73.376 ms

Loss rate: 57.73%

-- Flow 2:

Average throughput: 15.06 Mbit/s

95th percentile per-packet one-way delay: 66.921 ms

Loss rate: 26.99%

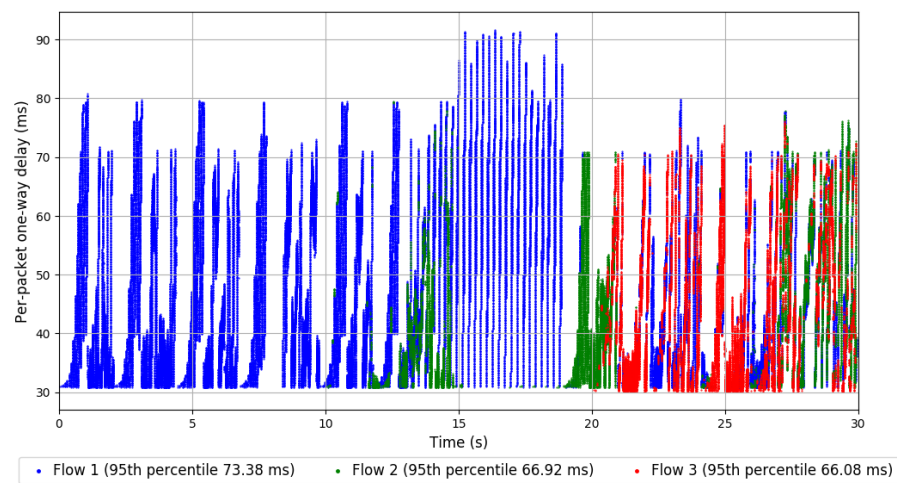
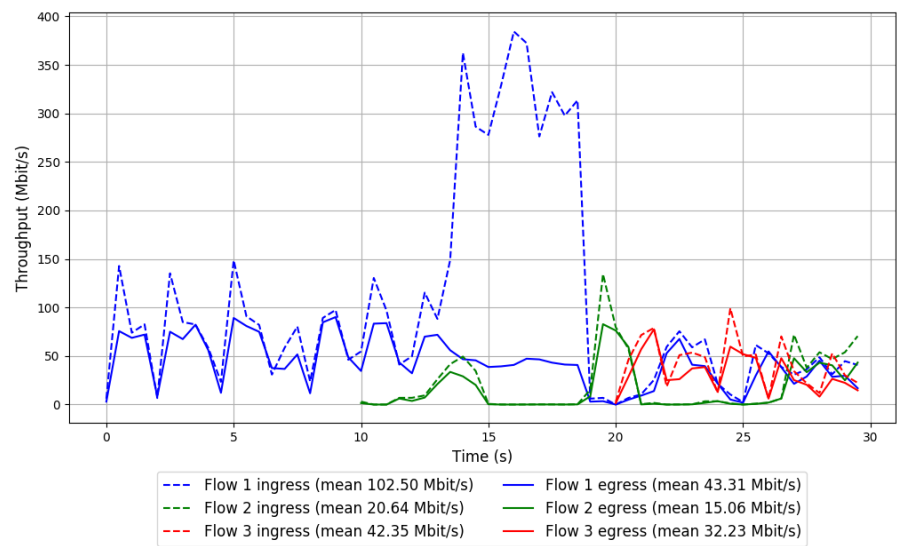
-- Flow 3:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 66.080 ms

Loss rate: 23.71%

Run 10: Report of Verus — Data Link

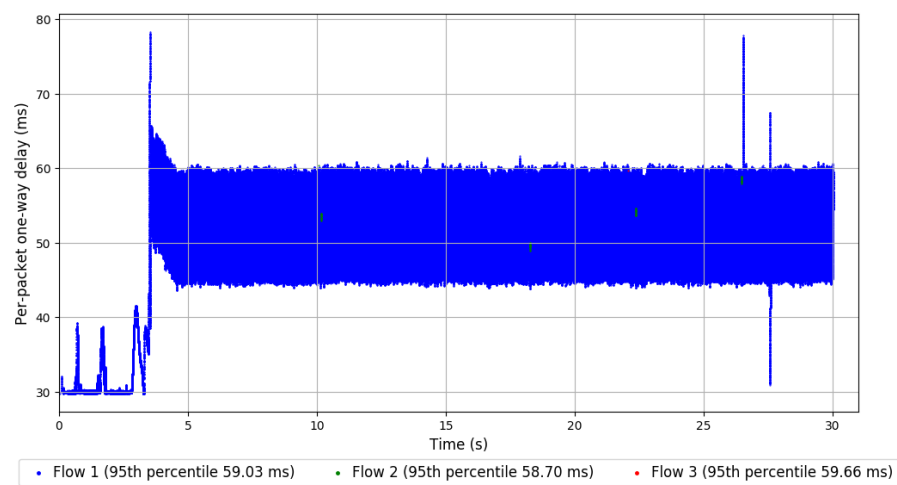
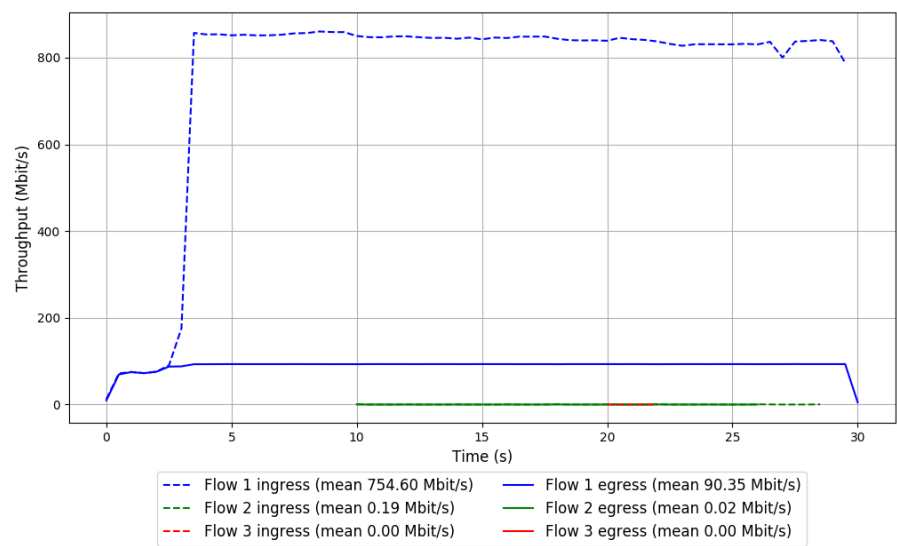


Run 1: Statistics of Copa

Start at: 2018-04-10 22:28:43
End at: 2018-04-10 22:29:13
Local clock offset: 0.379 ms
Remote clock offset: -3.166 ms

Below is generated by plot.py at 2018-04-11 03:47:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.36 Mbit/s
95th percentile per-packet one-way delay: 59.032 ms
Loss rate: 88.02%
-- Flow 1:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 59.032 ms
Loss rate: 88.02%
-- Flow 2:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 58.705 ms
Loss rate: 92.35%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 59.658 ms
Loss rate: 50.00%

Run 1: Report of Copa — Data Link

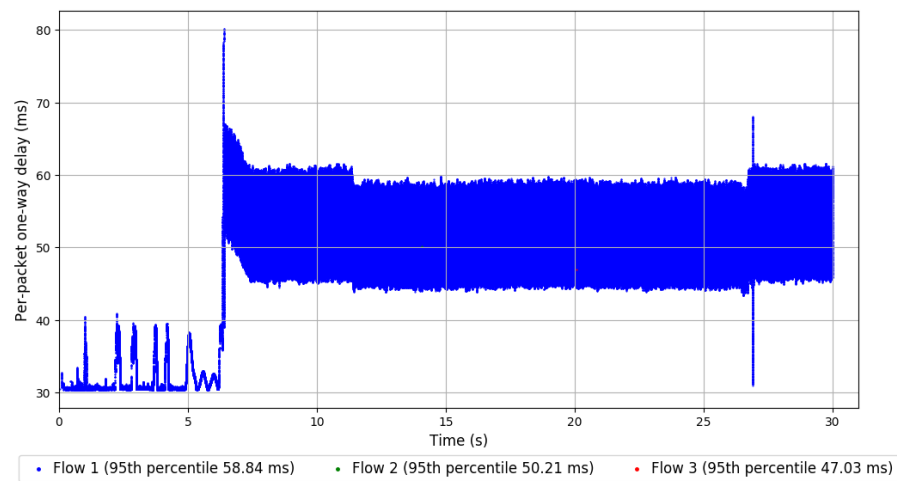
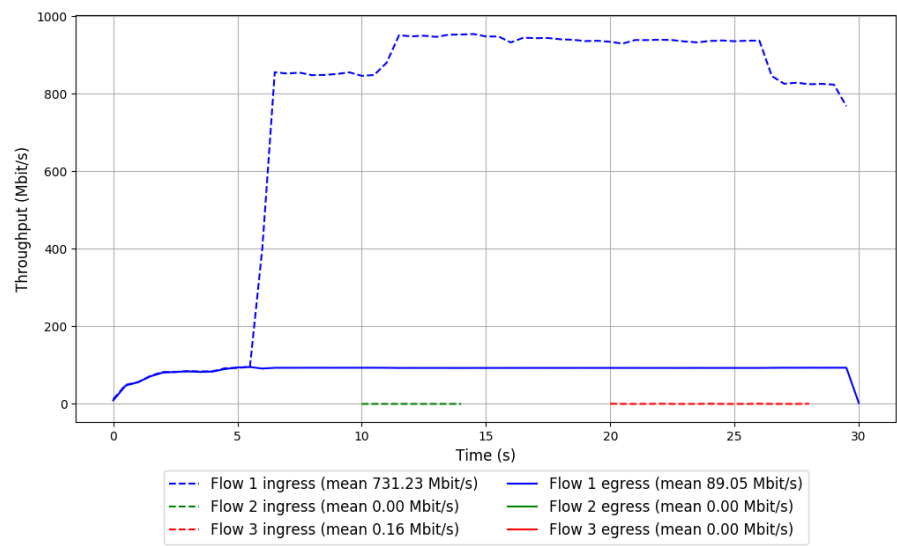


Run 2: Statistics of Copa

Start at: 2018-04-10 22:55:06
End at: 2018-04-10 22:55:36
Local clock offset: 0.846 ms
Remote clock offset: -3.026 ms

Below is generated by plot.py at 2018-04-11 03:47:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 58.840 ms
Loss rate: 87.82%
-- Flow 1:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 58.840 ms
Loss rate: 87.82%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.211 ms
Loss rate: 66.67%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 47.028 ms
Loss rate: 99.92%

Run 2: Report of Copa — Data Link

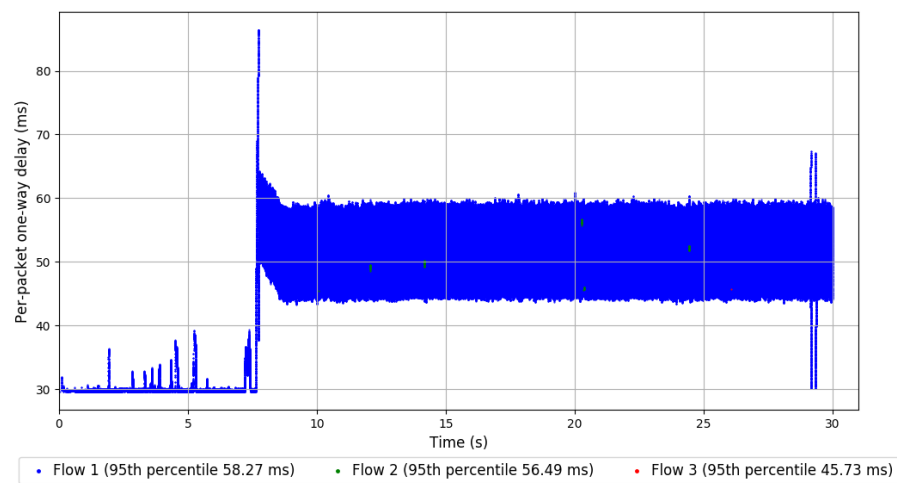
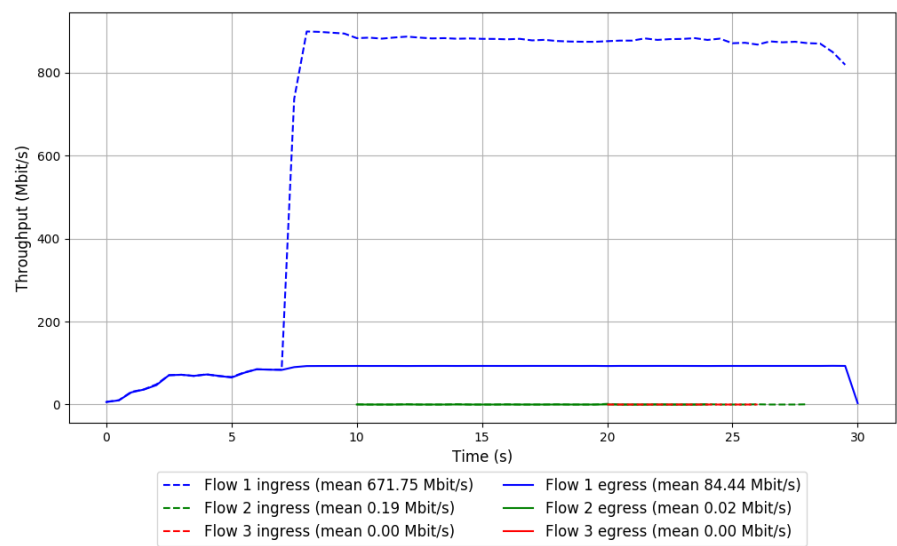


Run 3: Statistics of Copa

Start at: 2018-04-10 23:22:05
End at: 2018-04-10 23:22:35
Local clock offset: 1.182 ms
Remote clock offset: -2.438 ms

Below is generated by plot.py at 2018-04-11 03:47:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 58.272 ms
Loss rate: 87.42%
-- Flow 1:
Average throughput: 84.44 Mbit/s
95th percentile per-packet one-way delay: 58.272 ms
Loss rate: 87.42%
-- Flow 2:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 56.486 ms
Loss rate: 91.56%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 45.732 ms
Loss rate: 75.00%

Run 3: Report of Copa — Data Link

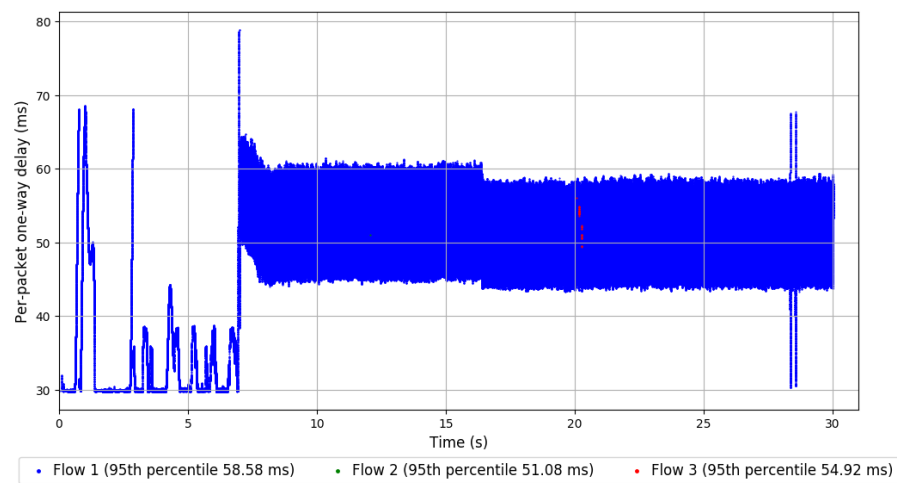
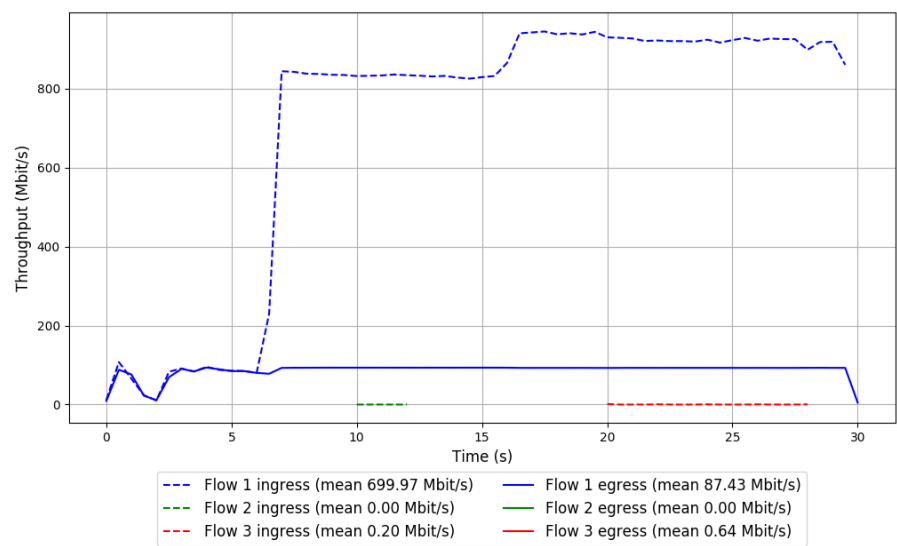


Run 4: Statistics of Copa

Start at: 2018-04-10 23:49:36
End at: 2018-04-10 23:50:06
Local clock offset: 1.396 ms
Remote clock offset: -1.627 ms

Below is generated by plot.py at 2018-04-11 03:47:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 58.576 ms
Loss rate: 87.50%
-- Flow 1:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 58.576 ms
Loss rate: 87.50%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.077 ms
Loss rate: 50.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 54.918 ms
Loss rate: 92.97%

Run 4: Report of Copa — Data Link

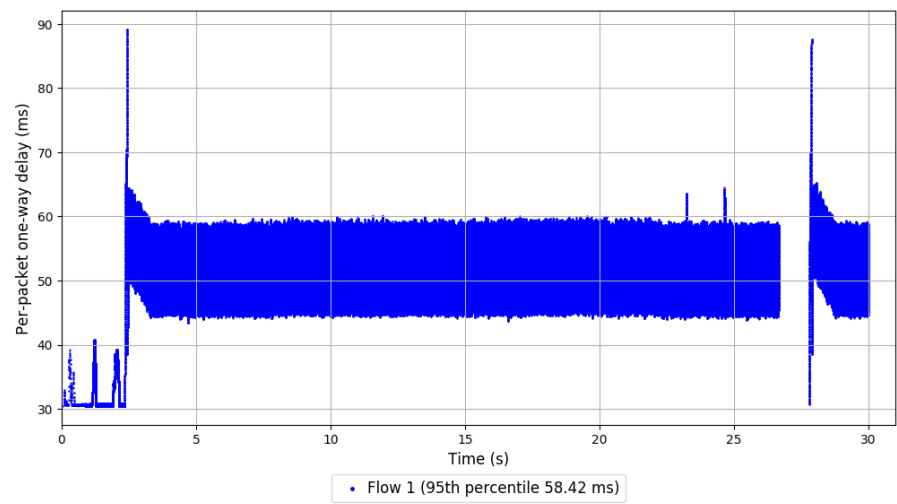
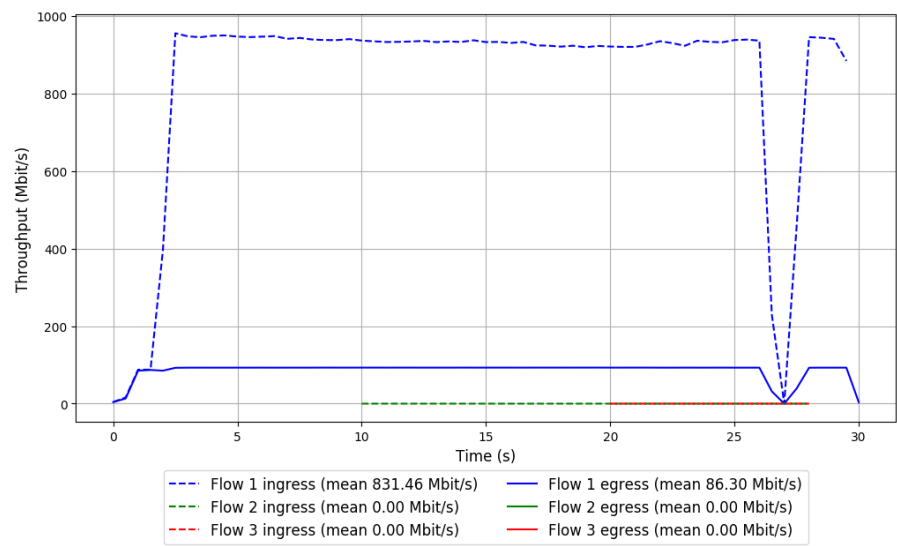


Run 5: Statistics of Copa

Start at: 2018-04-11 00:19:12
End at: 2018-04-11 00:19:42
Local clock offset: 2.259 ms
Remote clock offset: -5.682 ms

Below is generated by plot.py at 2018-04-11 03:49:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 58.418 ms
Loss rate: 89.61%
-- Flow 1:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 58.418 ms
Loss rate: 89.61%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 5: Report of Copa — Data Link

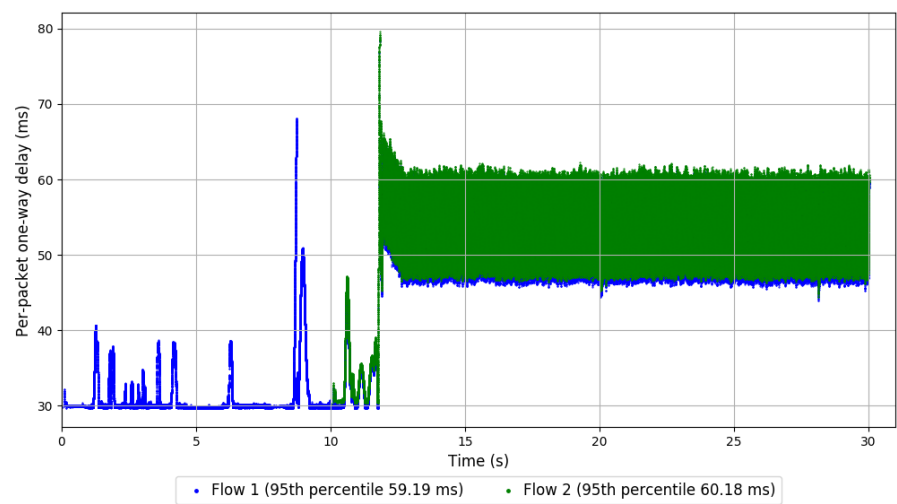
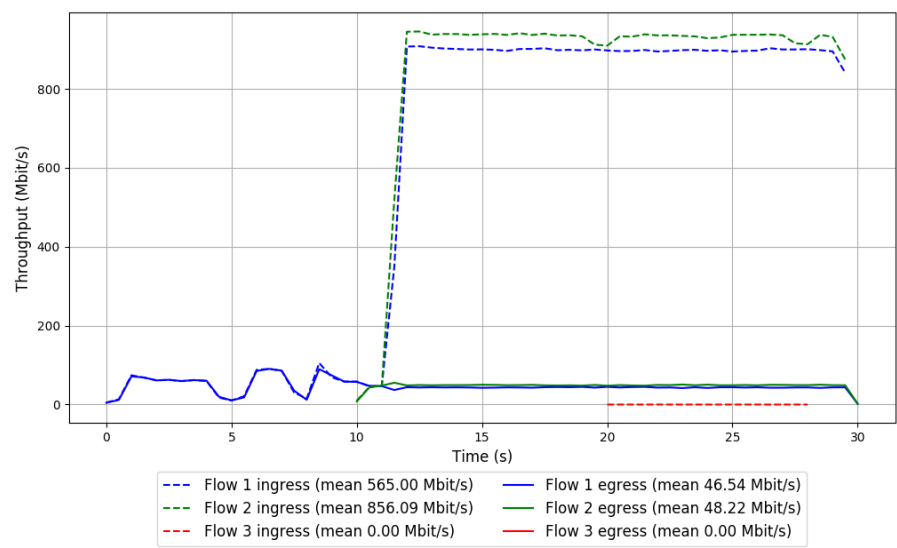


Run 6: Statistics of Copa

Start at: 2018-04-11 00:48:18
End at: 2018-04-11 00:48:48
Local clock offset: 1.428 ms
Remote clock offset: -1.121 ms

Below is generated by plot.py at 2018-04-11 03:51:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 59.707 ms
Loss rate: 93.06%
-- Flow 1:
Average throughput: 46.54 Mbit/s
95th percentile per-packet one-way delay: 59.194 ms
Loss rate: 91.76%
-- Flow 2:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 60.183 ms
Loss rate: 94.36%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-11 01:15:31

End at: 2018-04-11 01:16:01

Local clock offset: 0.742 ms

Remote clock offset: 6.095 ms

Below is generated by plot.py at 2018-04-11 03:51:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.49 Mbit/s

95th percentile per-packet one-way delay: 58.165 ms

Loss rate: 72.02%

-- Flow 1:

Average throughput: 77.46 Mbit/s

95th percentile per-packet one-way delay: 58.355 ms

Loss rate: 74.60%

-- Flow 2:

Average throughput: 19.22 Mbit/s

95th percentile per-packet one-way delay: 48.327 ms

Loss rate: 15.62%

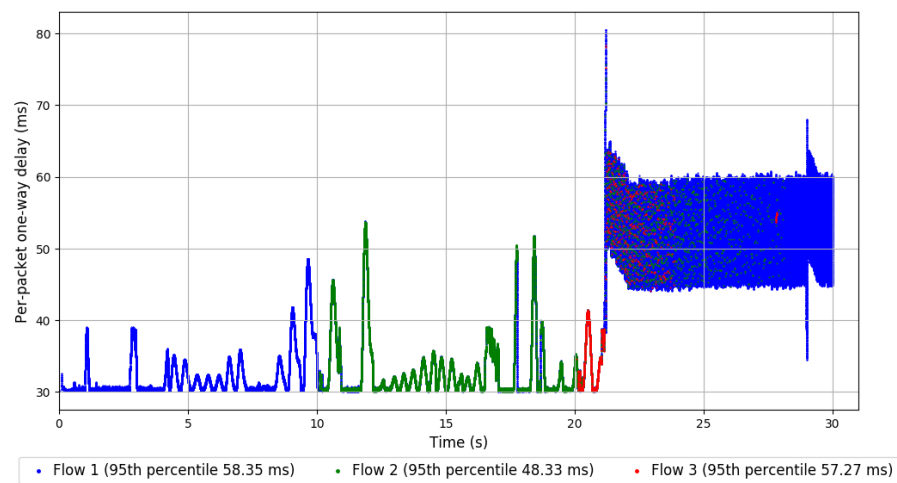
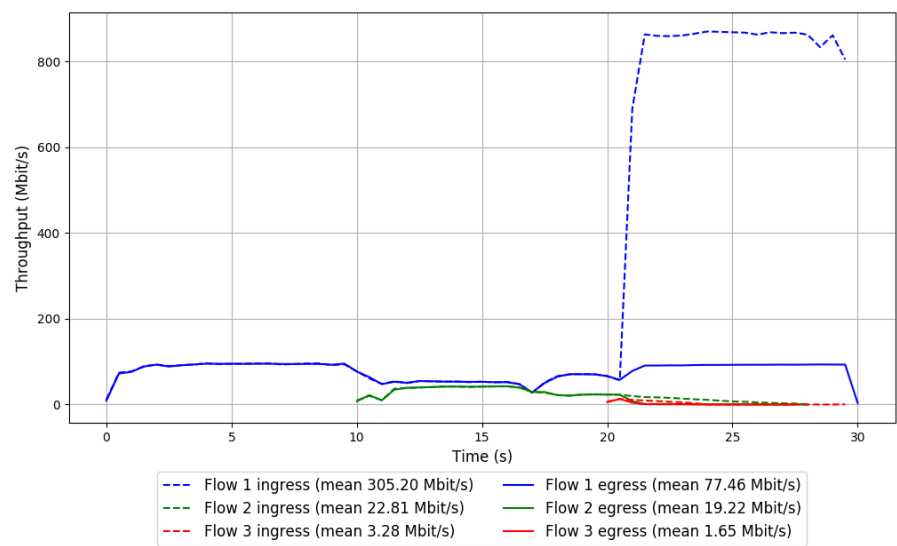
-- Flow 3:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 57.266 ms

Loss rate: 60.27%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-11 01:41:23

End at: 2018-04-11 01:41:53

Local clock offset: 0.565 ms

Remote clock offset: 8.128 ms

Below is generated by plot.py at 2018-04-11 03:51:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.30 Mbit/s

95th percentile per-packet one-way delay: 57.150 ms

Loss rate: 85.35%

-- Flow 1:

Average throughput: 87.21 Mbit/s

95th percentile per-packet one-way delay: 57.151 ms

Loss rate: 85.36%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 55.808 ms

Loss rate: 62.55%

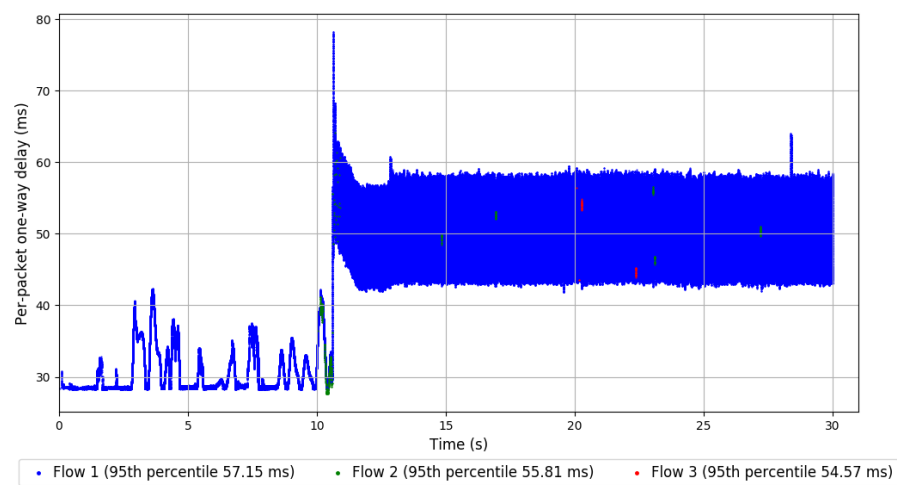
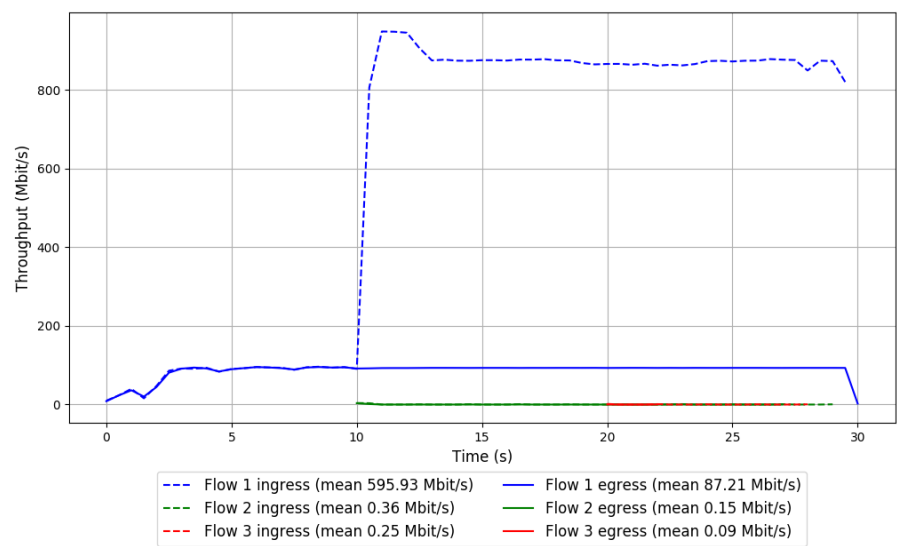
-- Flow 3:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 54.569 ms

Loss rate: 90.13%

Run 8: Report of Copa — Data Link

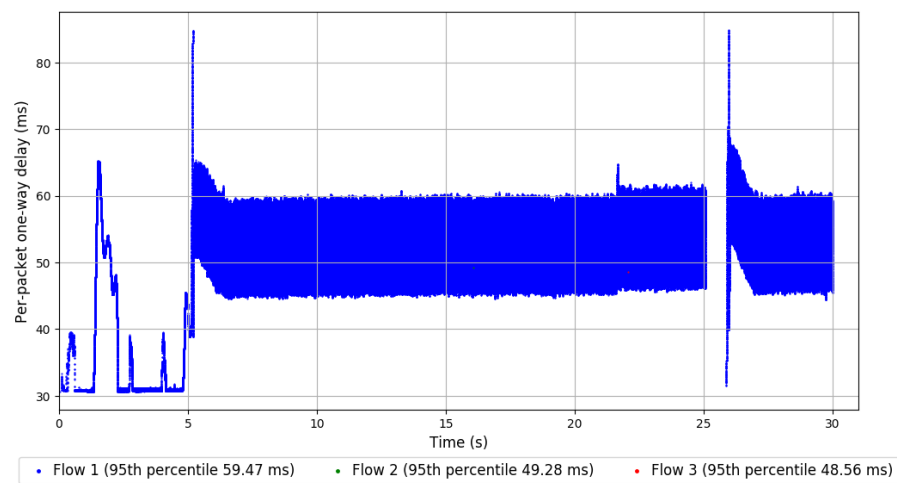
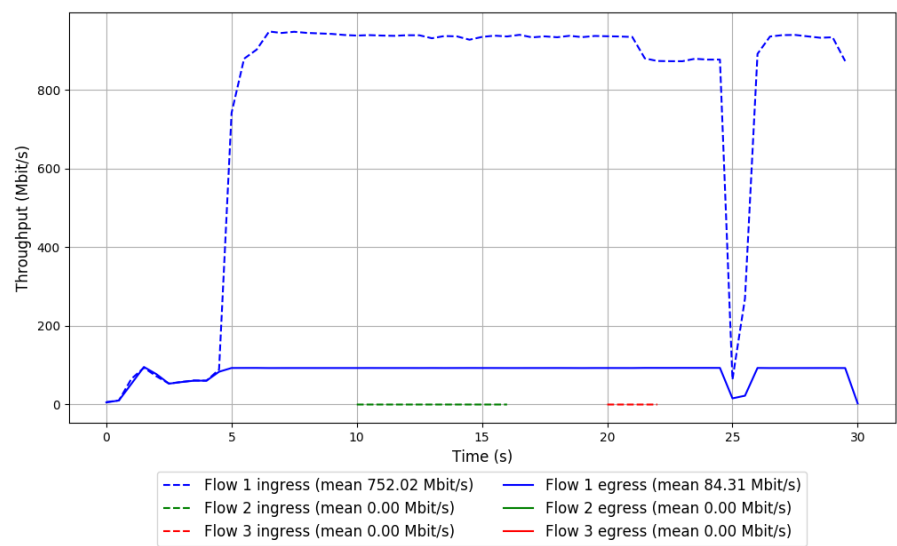


Run 9: Statistics of Copa

Start at: 2018-04-11 02:09:04
End at: 2018-04-11 02:09:34
Local clock offset: 0.368 ms
Remote clock offset: 12.657 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.31 Mbit/s
95th percentile per-packet one-way delay: 59.471 ms
Loss rate: 88.78%
-- Flow 1:
Average throughput: 84.31 Mbit/s
95th percentile per-packet one-way delay: 59.471 ms
Loss rate: 88.78%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 49.276 ms
Loss rate: 75.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 48.558 ms
Loss rate: 50.00%

Run 9: Report of Copa — Data Link

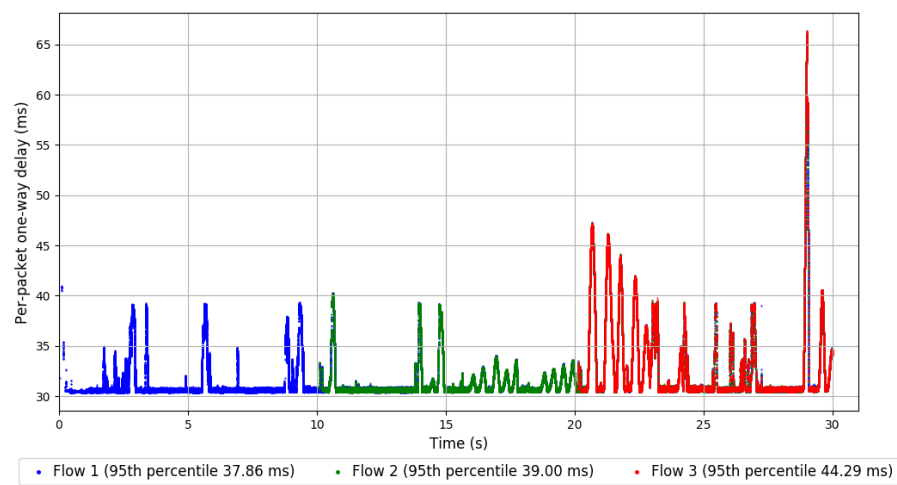
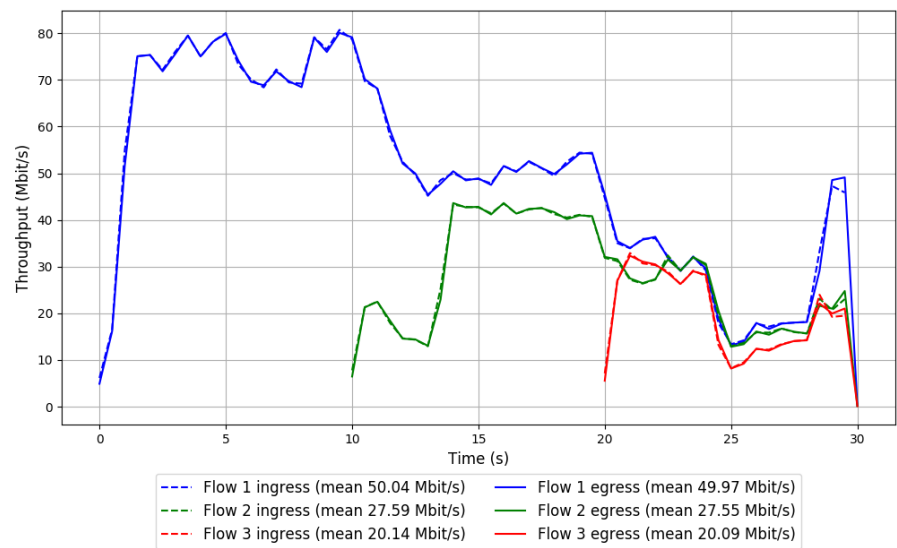


Run 10: Statistics of Copa

Start at: 2018-04-11 02:36:23
End at: 2018-04-11 02:36:53
Local clock offset: 0.261 ms
Remote clock offset: -7.102 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.98 Mbit/s
95th percentile per-packet one-way delay: 38.791 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 37.860 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 39.003 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 44.291 ms
Loss rate: 0.22%

Run 10: Report of Copa — Data Link

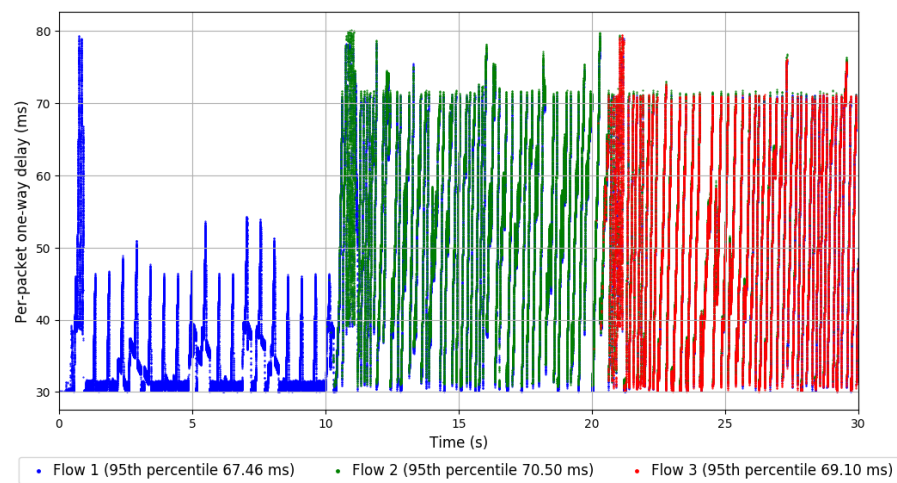
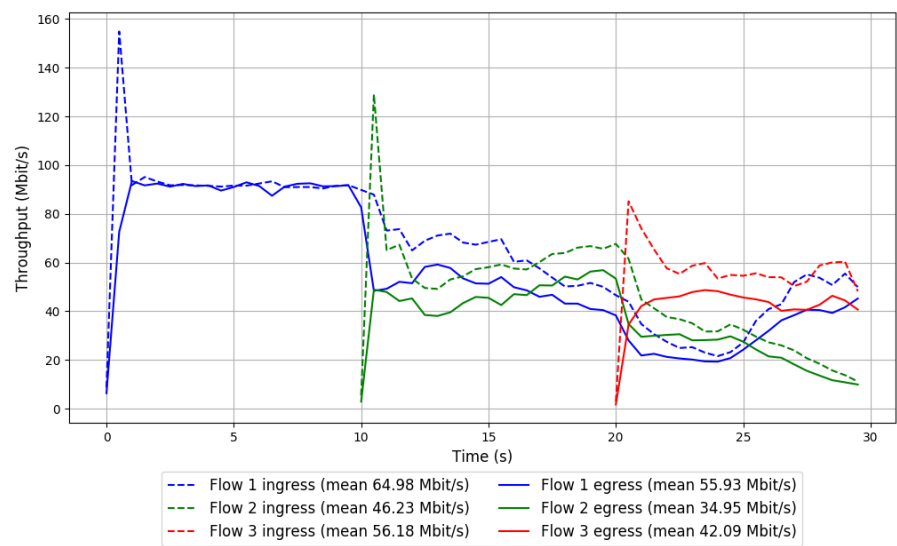


```
Run 1: Statistics of FillP

Start at: 2018-04-10 22:45:13
End at: 2018-04-10 22:45:43
Local clock offset: 0.703 ms
Remote clock offset: -3.112 ms

# Below is generated by plot.py at 2018-04-11 03:53:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 68.850 ms
Loss rate: 18.51%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 67.463 ms
Loss rate: 13.87%
-- Flow 2:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 70.501 ms
Loss rate: 24.36%
-- Flow 3:
Average throughput: 42.09 Mbit/s
95th percentile per-packet one-way delay: 69.098 ms
Loss rate: 25.00%
```


Run 1: Report of FillP — Data Link

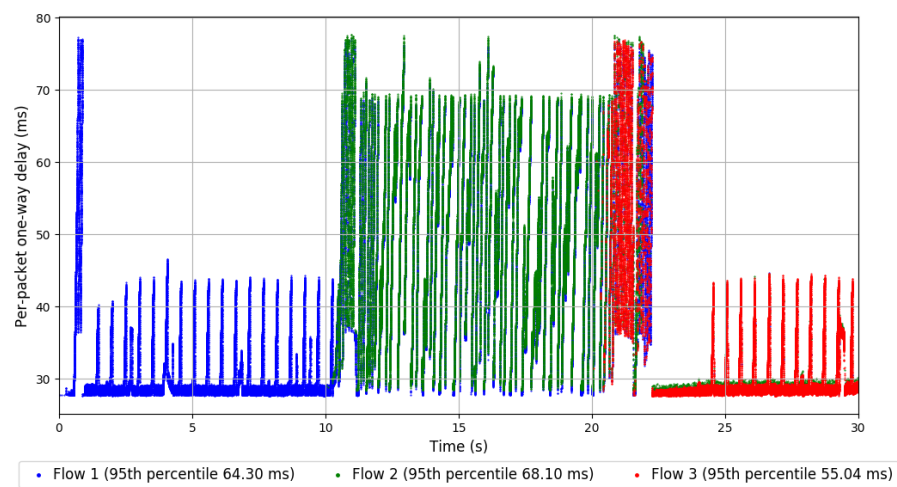
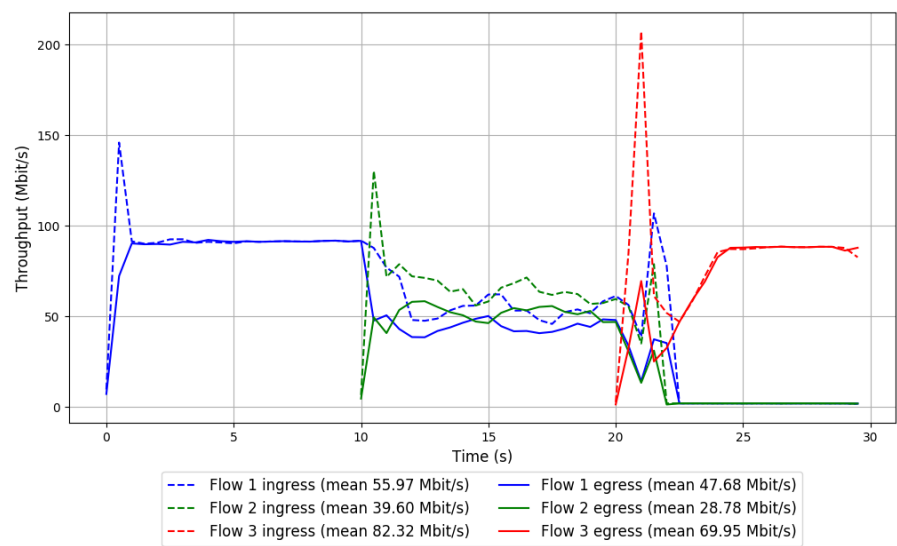


Run 2: Statistics of FillP

Start at: 2018-04-10 23:11:36
End at: 2018-04-10 23:12:06
Local clock offset: 1.191 ms
Remote clock offset: -5.089 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 65.460 ms
Loss rate: 17.87%
-- Flow 1:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 64.295 ms
Loss rate: 14.81%
-- Flow 2:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 68.096 ms
Loss rate: 27.31%
-- Flow 3:
Average throughput: 69.95 Mbit/s
95th percentile per-packet one-way delay: 55.037 ms
Loss rate: 15.04%

Run 2: Report of FillP — Data Link

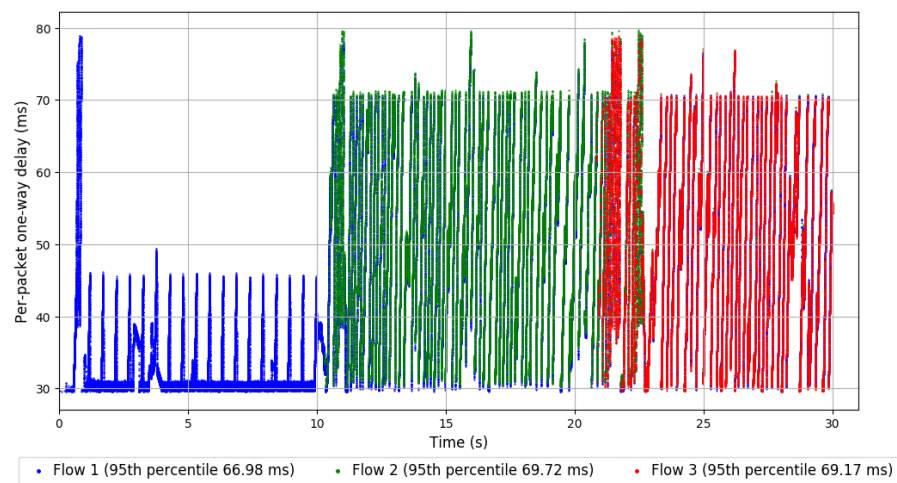
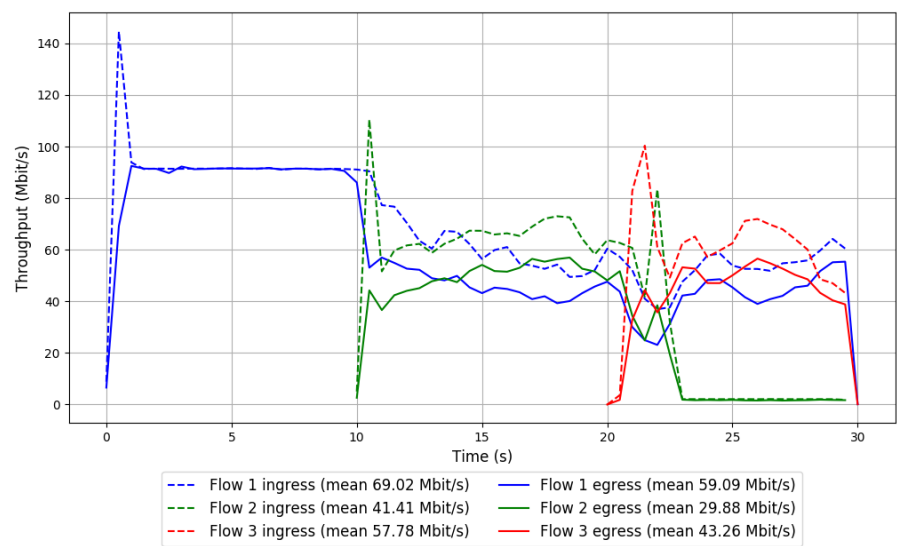


Run 3: Statistics of FillP

Start at: 2018-04-10 23:39:07
End at: 2018-04-10 23:39:37
Local clock offset: 1.214 ms
Remote clock offset: -1.729 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 68.248 ms
Loss rate: 19.50%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 66.980 ms
Loss rate: 14.32%
-- Flow 2:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 69.722 ms
Loss rate: 27.80%
-- Flow 3:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 69.168 ms
Loss rate: 26.22%

Run 3: Report of FillP — Data Link

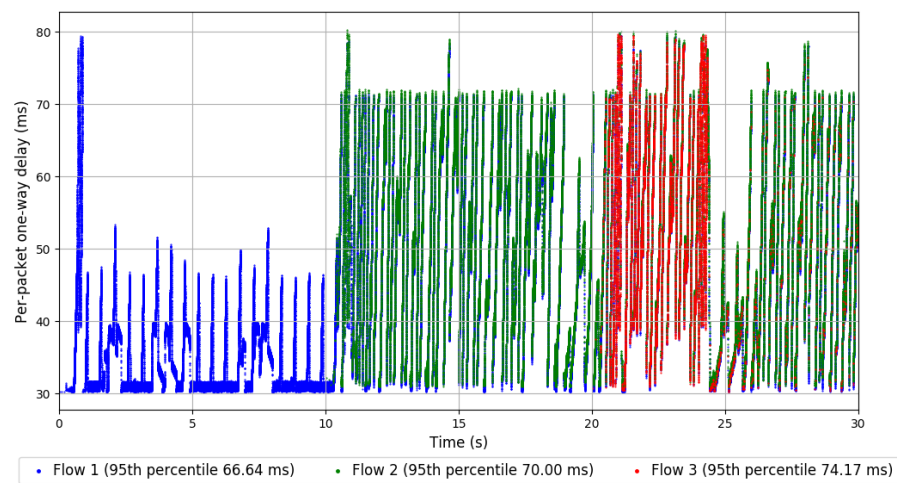
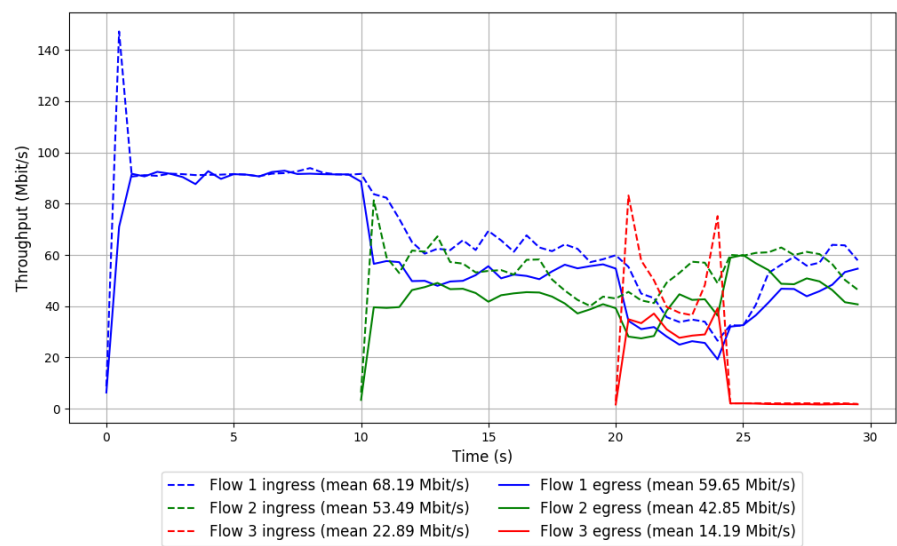


Run 4: Statistics of FillP

Start at: 2018-04-11 00:07:33
End at: 2018-04-11 00:08:03
Local clock offset: 1.962 ms
Remote clock offset: -4.833 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 68.510 ms
Loss rate: 16.53%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 66.645 ms
Loss rate: 12.45%
-- Flow 2:
Average throughput: 42.85 Mbit/s
95th percentile per-packet one-way delay: 70.001 ms
Loss rate: 19.80%
-- Flow 3:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 74.172 ms
Loss rate: 37.84%

Run 4: Report of FillP — Data Link

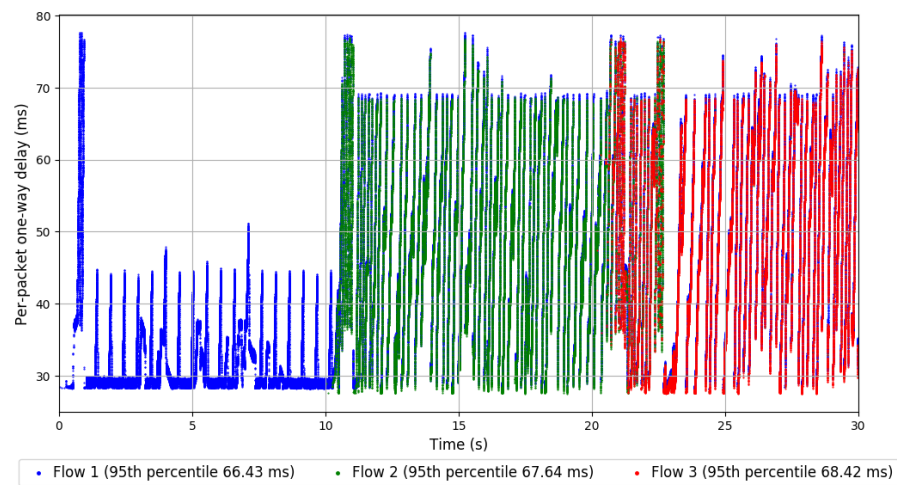
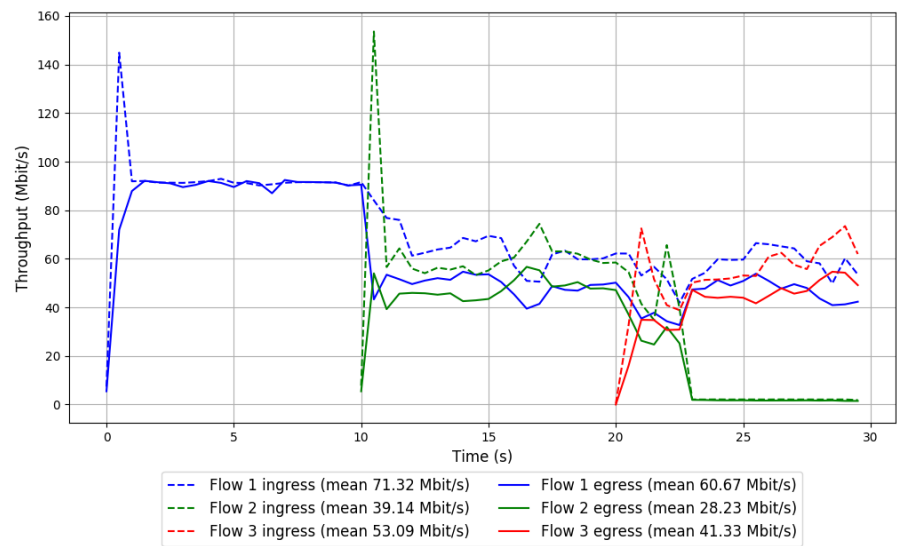


Run 5: Statistics of FillP

Start at: 2018-04-11 00:37:06
End at: 2018-04-11 00:37:36
Local clock offset: 1.574 ms
Remote clock offset: -4.692 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 67.117 ms
Loss rate: 19.16%
-- Flow 1:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 66.433 ms
Loss rate: 14.92%
-- Flow 2:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 67.645 ms
Loss rate: 27.86%
-- Flow 3:
Average throughput: 41.33 Mbit/s
95th percentile per-packet one-way delay: 68.420 ms
Loss rate: 23.45%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-11 01:05:22

End at: 2018-04-11 01:05:52

Local clock offset: 1.037 ms

Remote clock offset: 0.731 ms

Below is generated by plot.py at 2018-04-11 03:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.27 Mbit/s

95th percentile per-packet one-way delay: 65.231 ms

Loss rate: 15.00%

-- Flow 1:

Average throughput: 50.53 Mbit/s

95th percentile per-packet one-way delay: 64.924 ms

Loss rate: 13.21%

-- Flow 2:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 67.680 ms

Loss rate: 26.97%

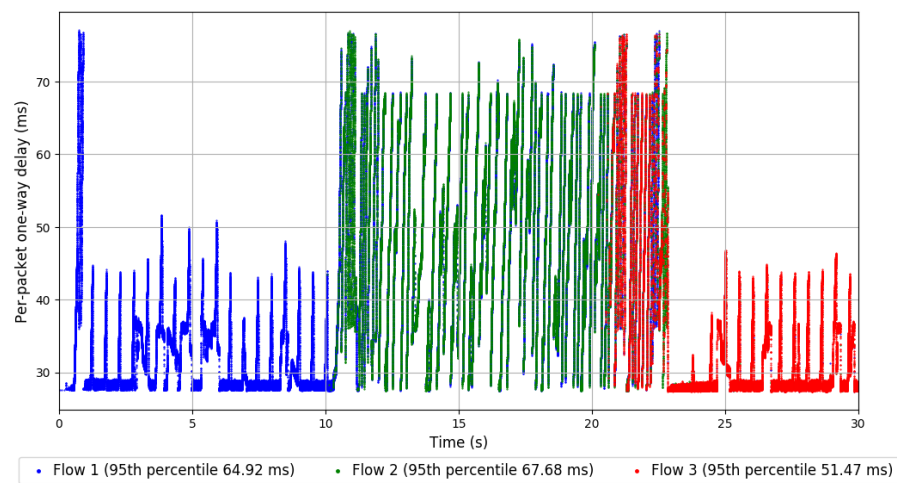
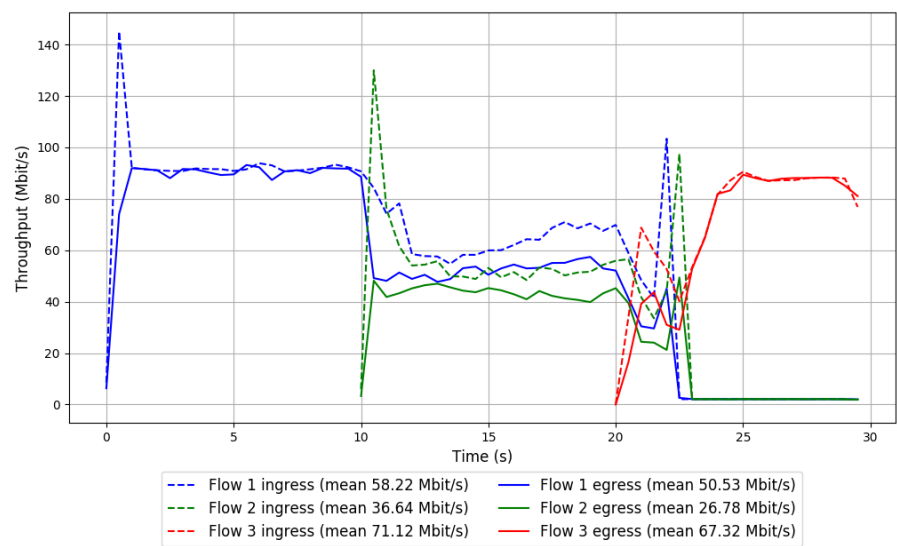
-- Flow 3:

Average throughput: 67.32 Mbit/s

95th percentile per-packet one-way delay: 51.471 ms

Loss rate: 7.04%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-11 01:31:40

End at: 2018-04-11 01:32:10

Local clock offset: 0.641 ms

Remote clock offset: 6.497 ms

Below is generated by plot.py at 2018-04-11 03:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 64.777 ms

Loss rate: 14.12%

-- Flow 1:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 53.317 ms

Loss rate: 10.27%

-- Flow 2:

Average throughput: 64.79 Mbit/s

95th percentile per-packet one-way delay: 64.522 ms

Loss rate: 13.72%

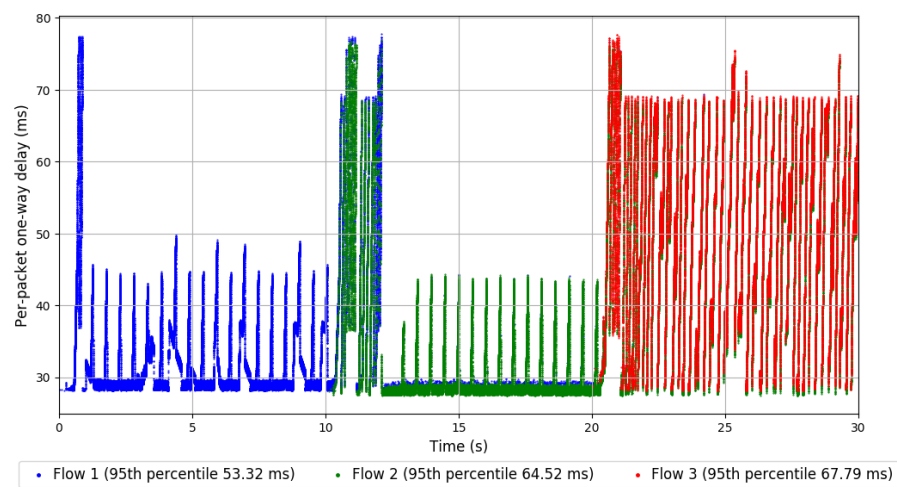
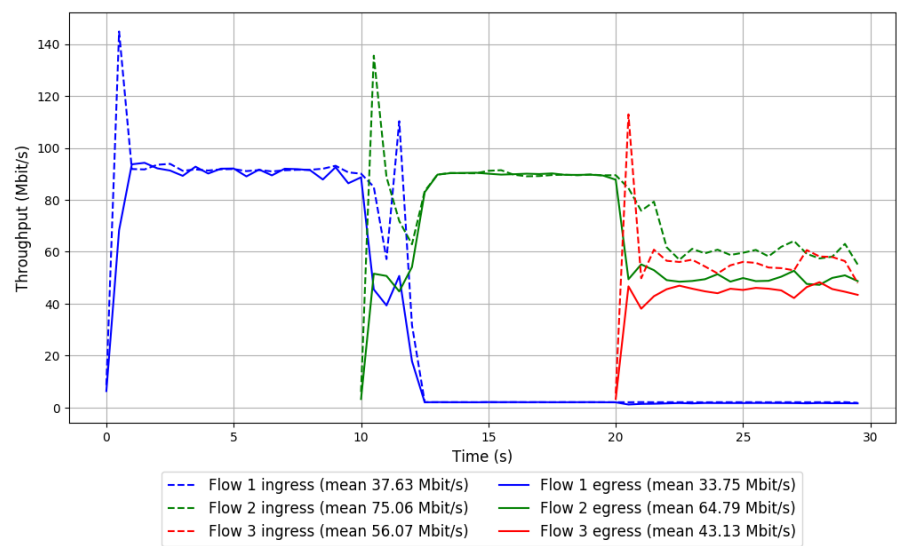
-- Flow 3:

Average throughput: 43.13 Mbit/s

95th percentile per-packet one-way delay: 67.793 ms

Loss rate: 23.00%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-11 01:58:45

End at: 2018-04-11 01:59:15

Local clock offset: 0.439 ms

Remote clock offset: 10.85 ms

Below is generated by plot.py at 2018-04-11 03:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.38 Mbit/s

95th percentile per-packet one-way delay: 65.177 ms

Loss rate: 12.56%

-- Flow 1:

Average throughput: 33.68 Mbit/s

95th percentile per-packet one-way delay: 56.328 ms

Loss rate: 11.53%

-- Flow 2:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 65.666 ms

Loss rate: 12.42%

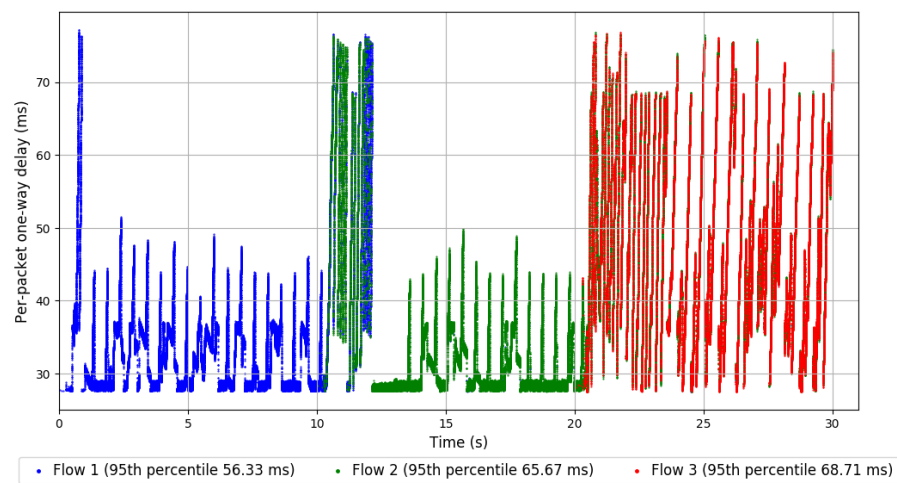
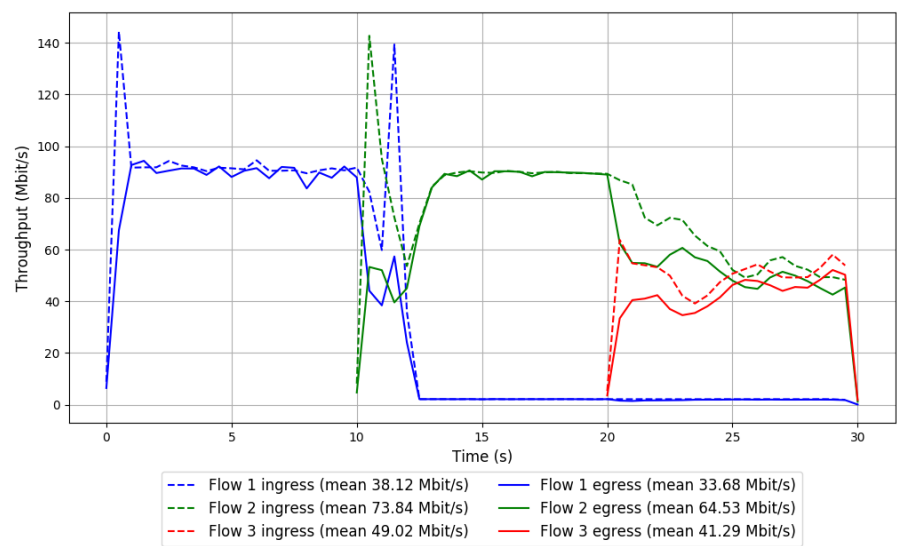
-- Flow 3:

Average throughput: 41.29 Mbit/s

95th percentile per-packet one-way delay: 68.710 ms

Loss rate: 15.41%

Run 8: Report of FillP — Data Link

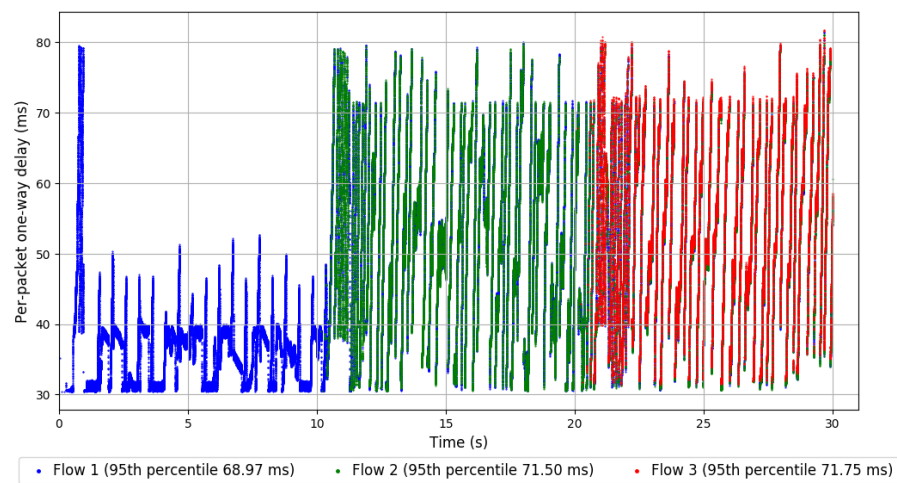
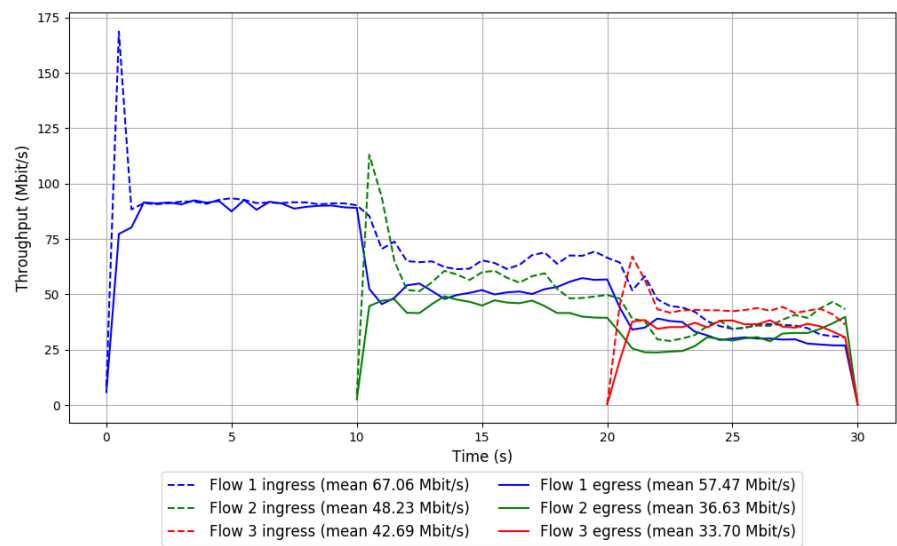


Run 9: Statistics of FillP

Start at: 2018-04-11 02:25:45
End at: 2018-04-11 02:26:15
Local clock offset: 0.261 ms
Remote clock offset: -3.184 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 70.364 ms
Loss rate: 17.85%
-- Flow 1:
Average throughput: 57.47 Mbit/s
95th percentile per-packet one-way delay: 68.974 ms
Loss rate: 14.24%
-- Flow 2:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 71.503 ms
Loss rate: 23.95%
-- Flow 3:
Average throughput: 33.70 Mbit/s
95th percentile per-packet one-way delay: 71.745 ms
Loss rate: 21.14%

Run 9: Report of FillP — Data Link

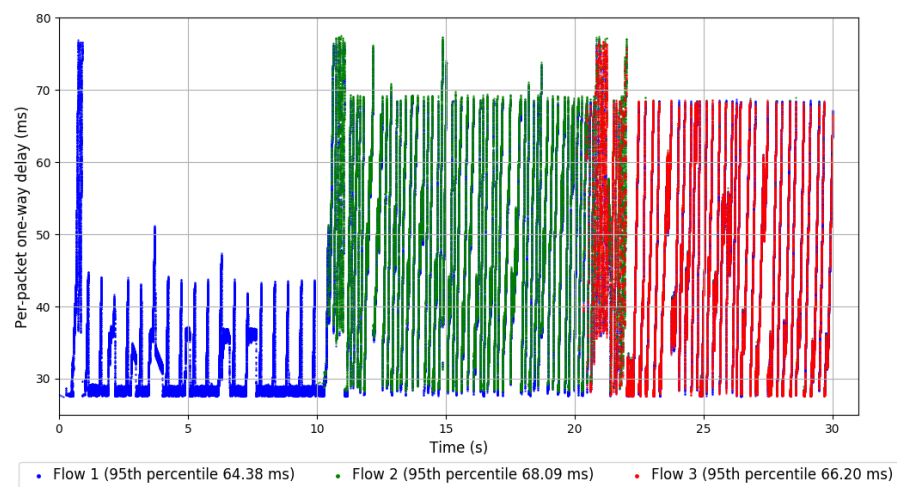
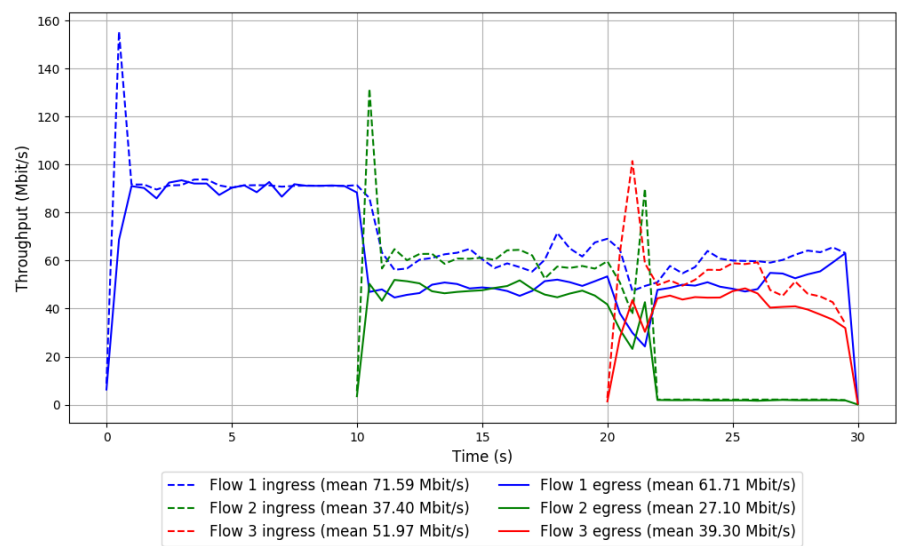


Run 10: Statistics of FillP

Start at: 2018-04-11 02:52:47
End at: 2018-04-11 02:53:17
Local clock offset: 0.621 ms
Remote clock offset: -7.419 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 65.926 ms
Loss rate: 18.31%
-- Flow 1:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 64.376 ms
Loss rate: 13.70%
-- Flow 2:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 68.092 ms
Loss rate: 27.40%
-- Flow 3:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 66.205 ms
Loss rate: 24.35%

Run 10: Report of FillP — Data Link

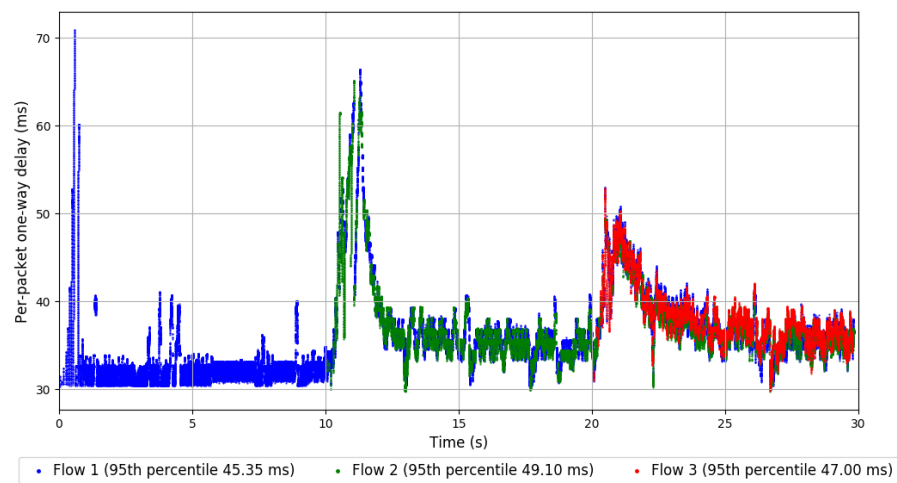
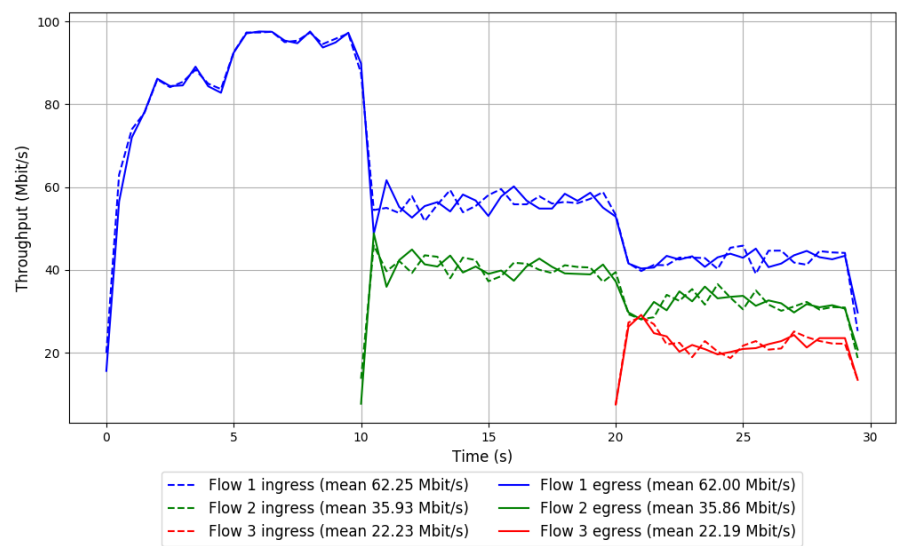


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-10 22:25:48
End at: 2018-04-10 22:26:18
Local clock offset: 0.467 ms
Remote clock offset: -2.933 ms

# Below is generated by plot.py at 2018-04-11 03:53:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 46.573 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 45.353 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 49.100 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 22.19 Mbit/s
95th percentile per-packet one-way delay: 47.004 ms
Loss rate: 0.13%
```

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

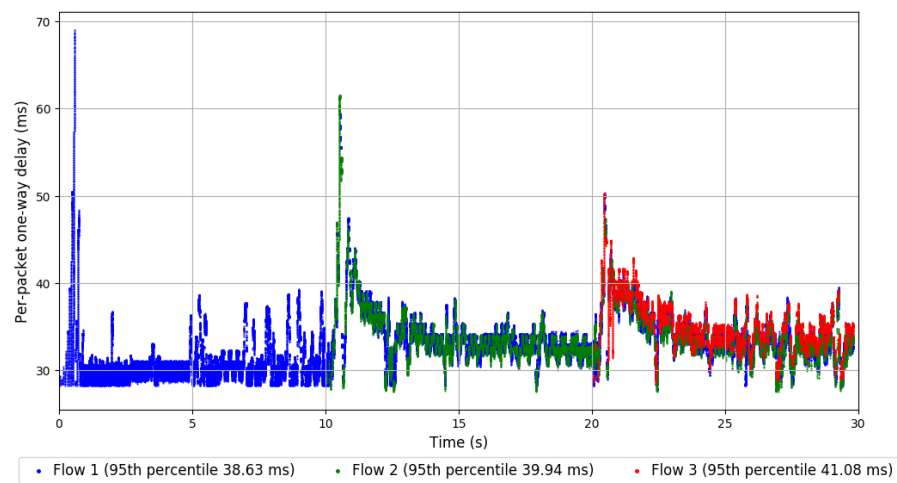
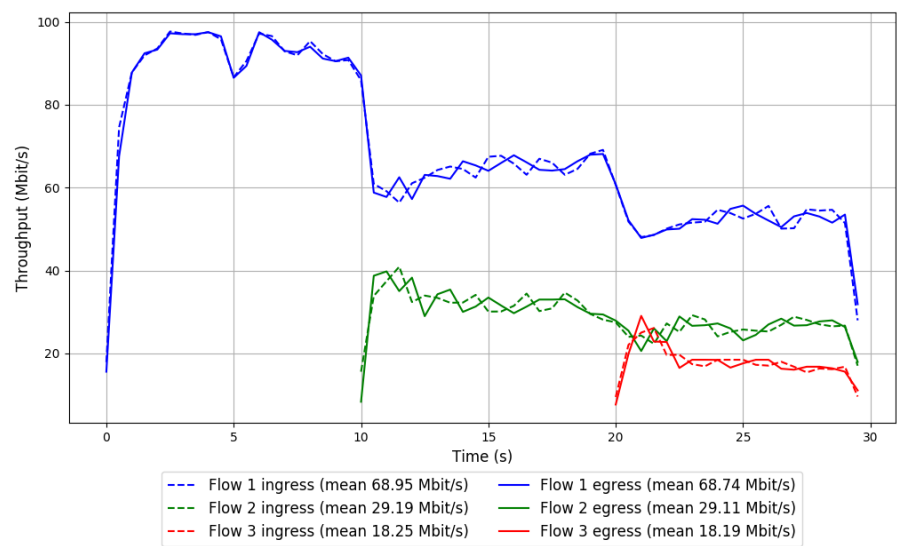


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-10 22:52:11
End at: 2018-04-10 22:52:41
Local clock offset: 0.86 ms
Remote clock offset: -5.189 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 38.898 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 38.634 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: 39.936 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 41.082 ms
Loss rate: 0.26%

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

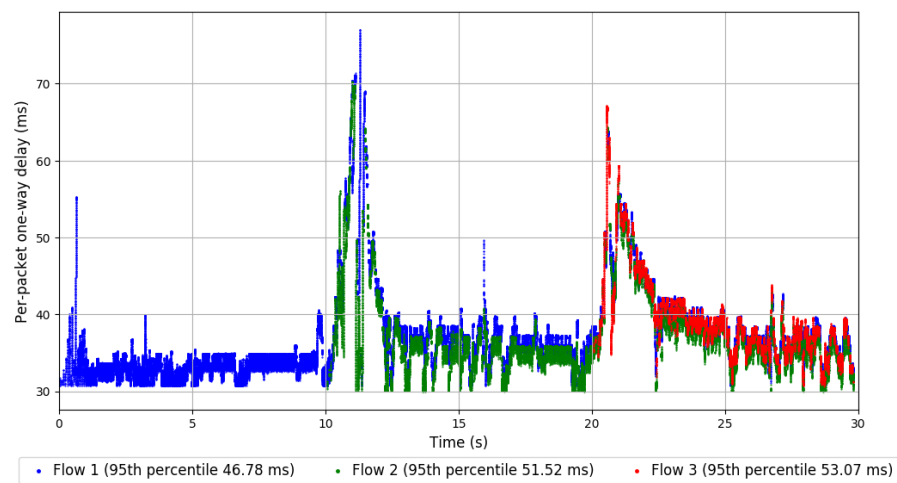
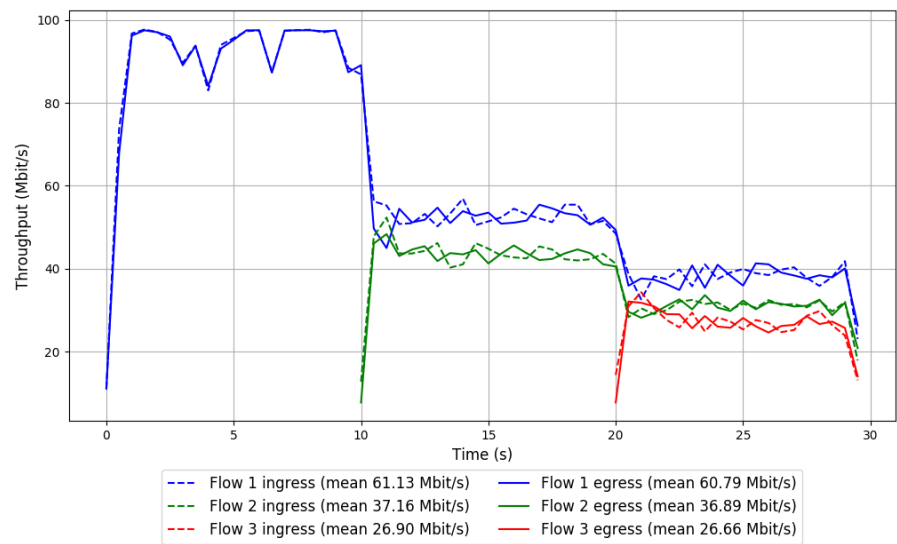


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-10 23:18:58
End at: 2018-04-10 23:19:28
Local clock offset: 1.2 ms
Remote clock offset: -2.389 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 49.477 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 46.781 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 51.517 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 26.66 Mbit/s
95th percentile per-packet one-way delay: 53.072 ms
Loss rate: 0.92%

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

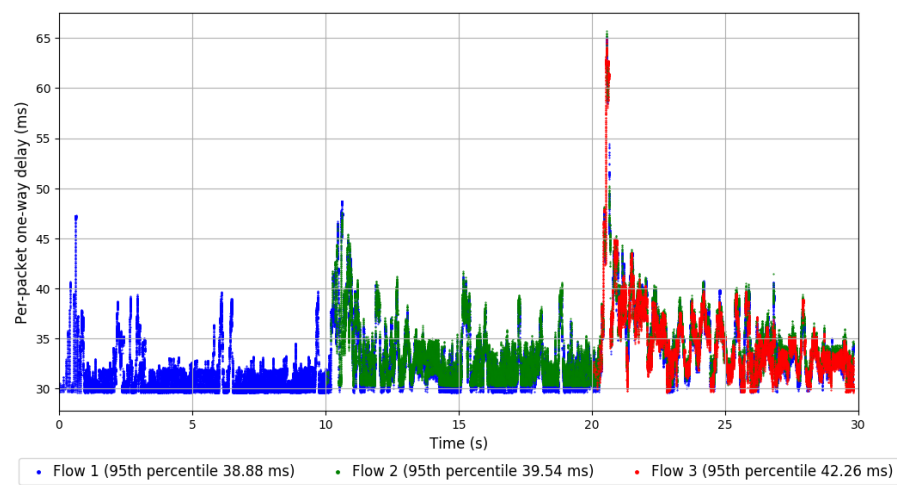
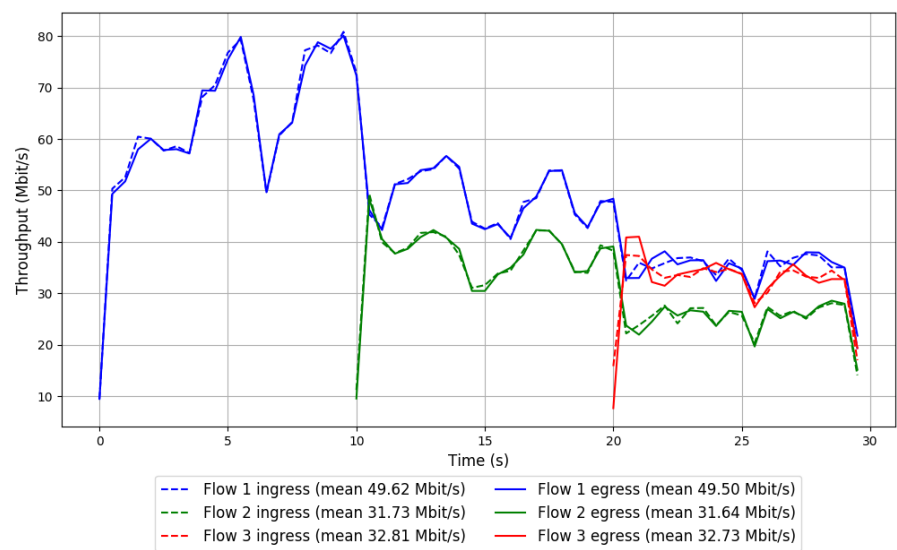


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-10 23:46:31
End at: 2018-04-10 23:47:01
Local clock offset: 1.382 ms
Remote clock offset: -1.688 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.18 Mbit/s
95th percentile per-packet one-way delay: 39.331 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 38.881 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 39.541 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 42.258 ms
Loss rate: 0.28%

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

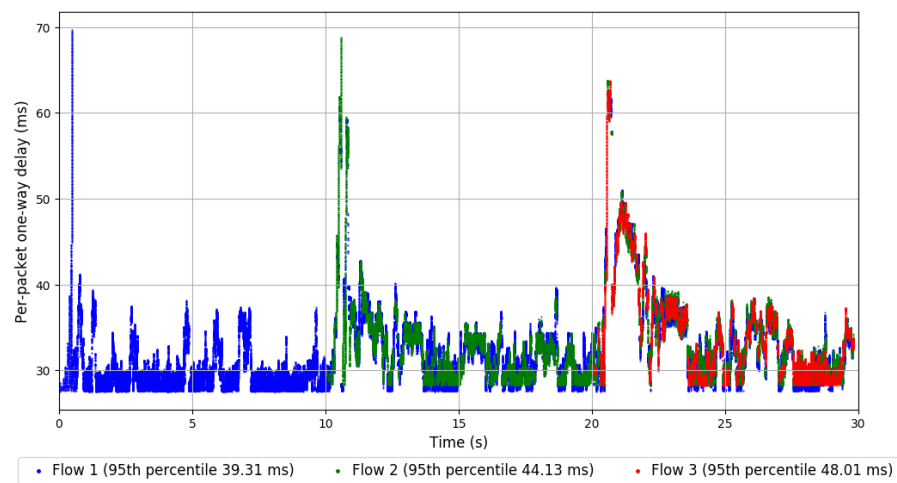
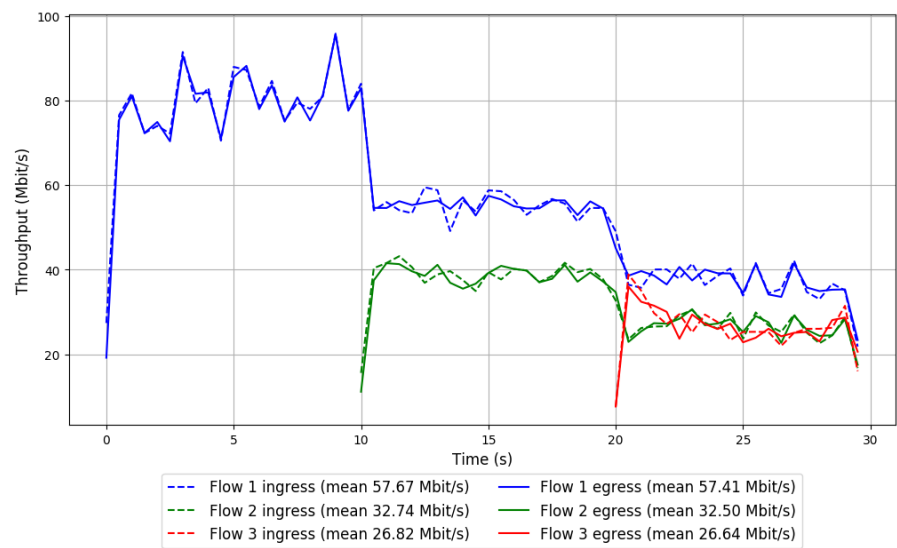


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-11 00:15:48
End at: 2018-04-11 00:16:18
Local clock offset: 2.297 ms
Remote clock offset: -7.693 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: 43.195 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 39.307 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 44.135 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 48.014 ms
Loss rate: 0.64%

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

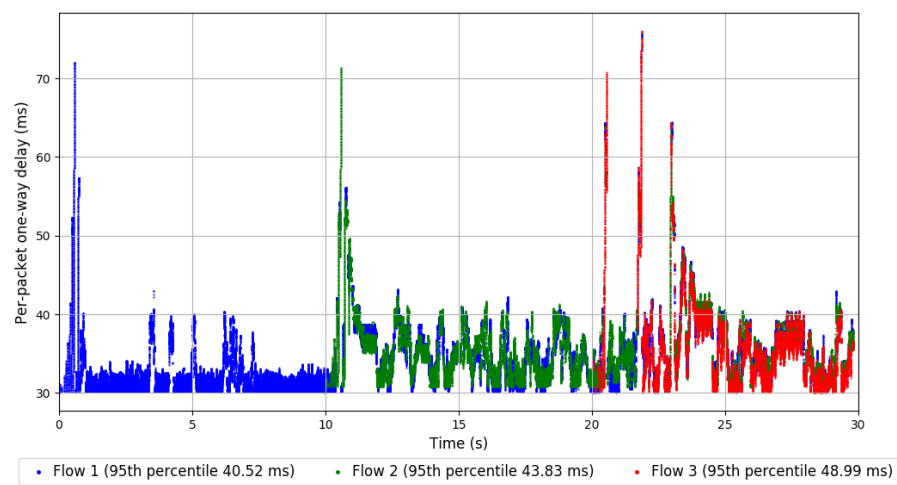
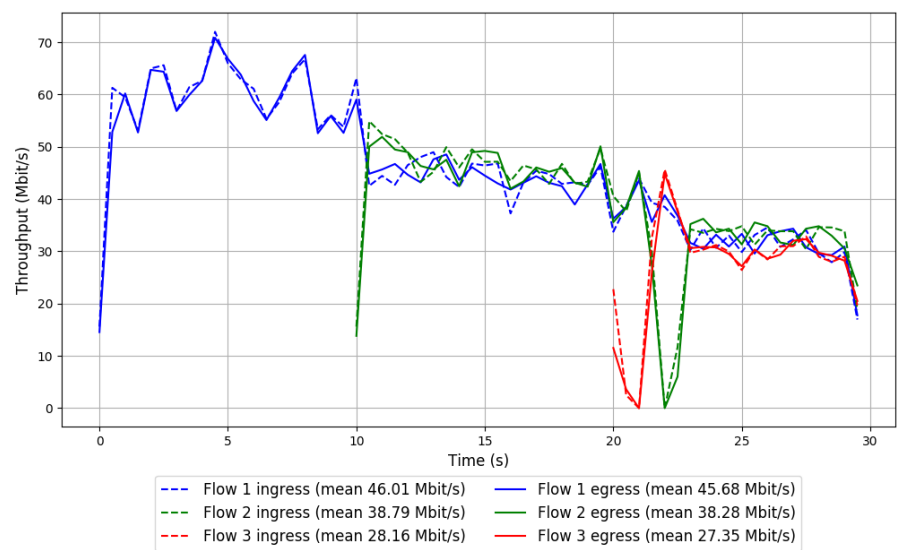


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-11 00:45:04
End at: 2018-04-11 00:45:34
Local clock offset: 1.471 ms
Remote clock offset: -1.022 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 42.348 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 40.518 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 38.28 Mbit/s
95th percentile per-packet one-way delay: 43.827 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 48.992 ms
Loss rate: 2.84%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-11 01:12:39

End at: 2018-04-11 01:13:09

Local clock offset: 0.858 ms

Remote clock offset: 5.365 ms

Below is generated by plot.py at 2018-04-11 03:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 44.922 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 60.95 Mbit/s

95th percentile per-packet one-way delay: 43.450 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 30.48 Mbit/s

95th percentile per-packet one-way delay: 46.182 ms

Loss rate: 1.18%

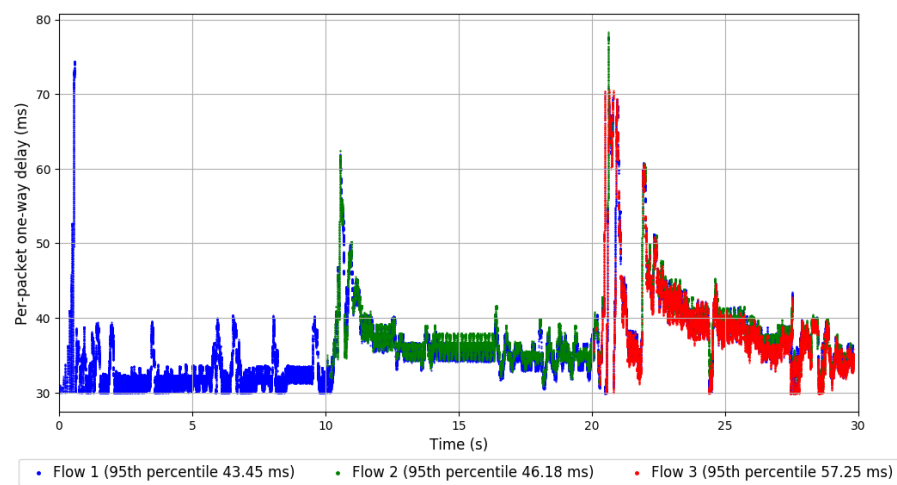
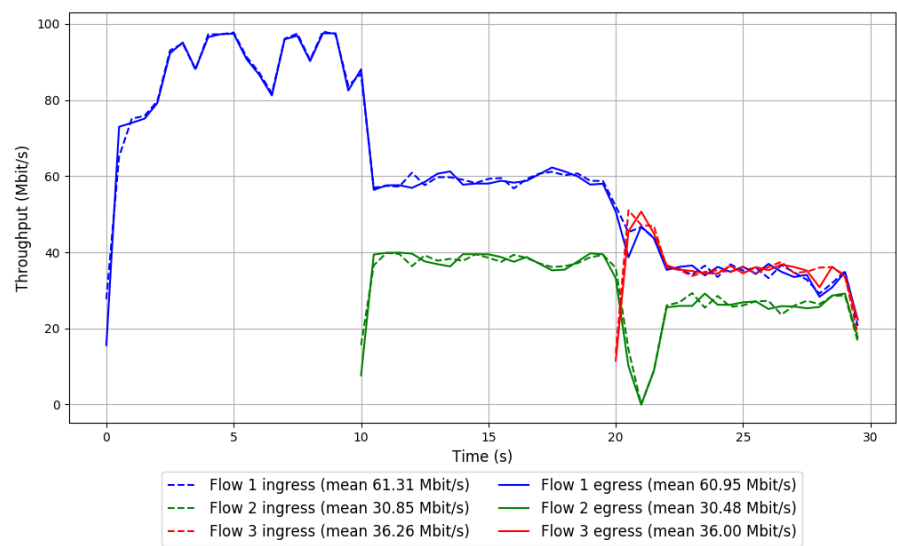
-- Flow 3:

Average throughput: 36.00 Mbit/s

95th percentile per-packet one-way delay: 57.254 ms

Loss rate: 0.71%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-11 01:38:37

End at: 2018-04-11 01:39:07

Local clock offset: 0.597 ms

Remote clock offset: 9.721 ms

Below is generated by plot.py at 2018-04-11 03:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 51.490 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 48.332 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 32.88 Mbit/s

95th percentile per-packet one-way delay: 54.550 ms

Loss rate: 0.74%

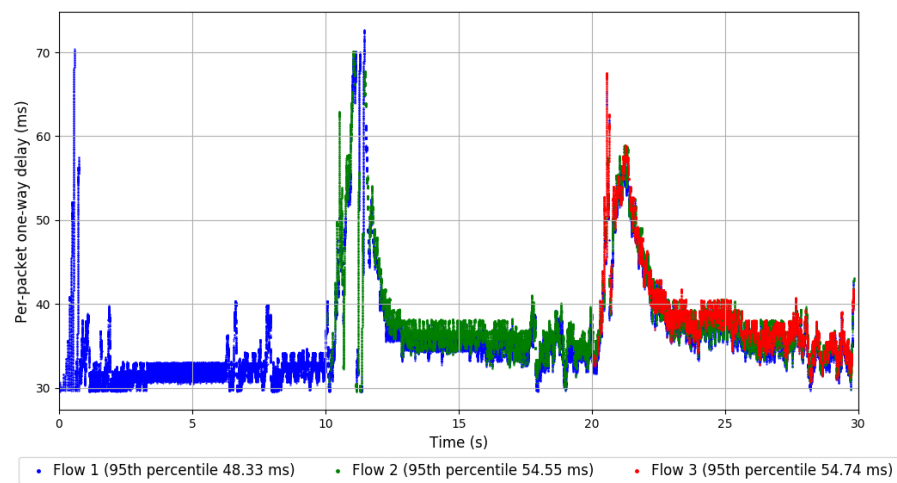
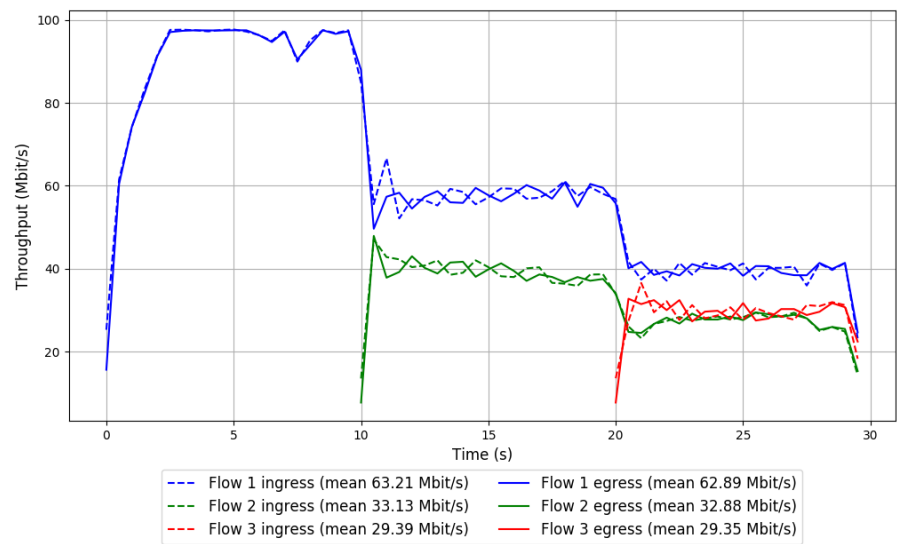
-- Flow 3:

Average throughput: 29.35 Mbit/s

95th percentile per-packet one-way delay: 54.744 ms

Loss rate: 0.06%

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

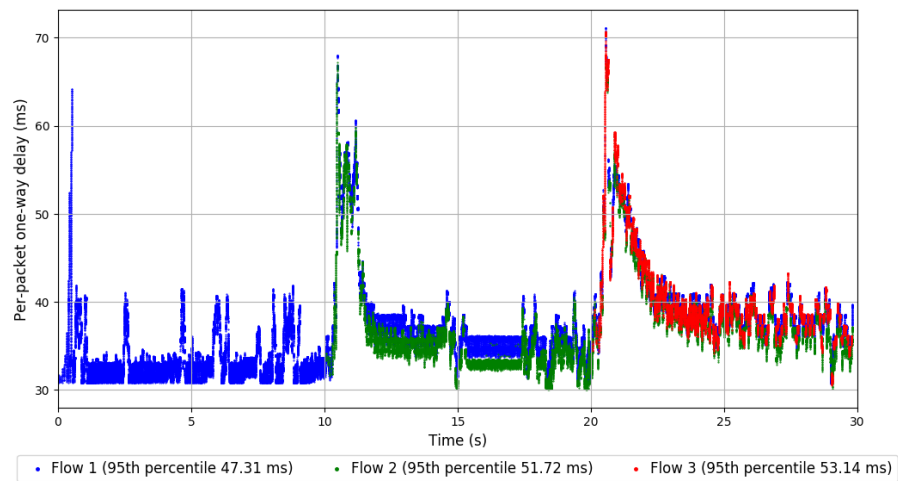
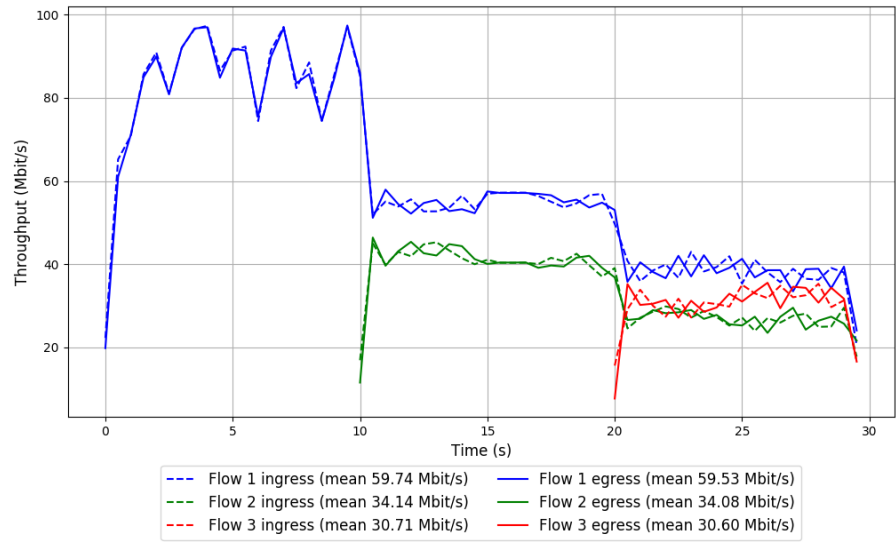


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-11 02:06:14
End at: 2018-04-11 02:06:44
Local clock offset: 0.507 ms
Remote clock offset: 14.671 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 50.620 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 59.53 Mbit/s
95th percentile per-packet one-way delay: 47.314 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 34.08 Mbit/s
95th percentile per-packet one-way delay: 51.720 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 30.60 Mbit/s
95th percentile per-packet one-way delay: 53.143 ms
Loss rate: 0.35%

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

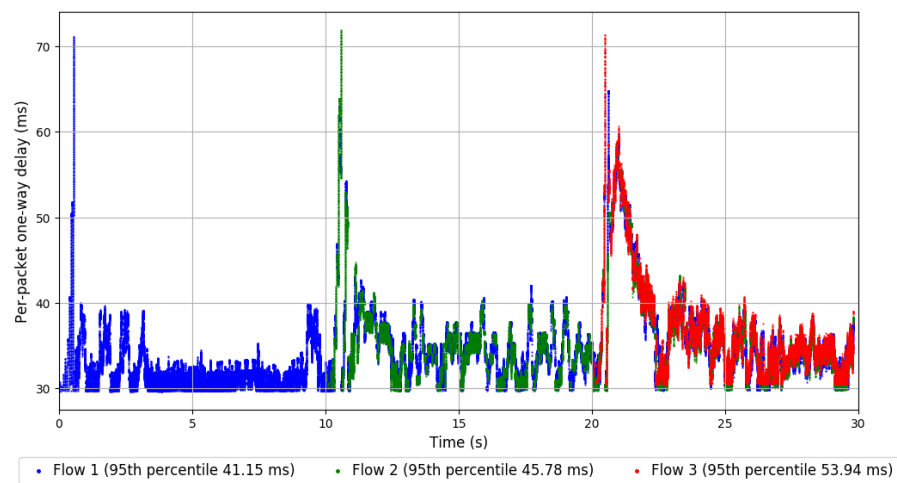
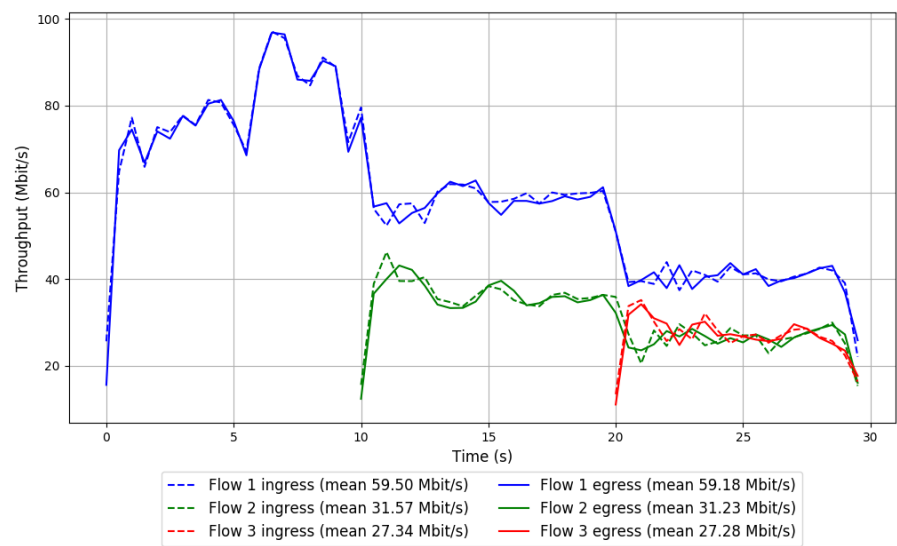


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-11 02:33:11
End at: 2018-04-11 02:33:41
Local clock offset: 0.3 ms
Remote clock offset: -6.277 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 44.591 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 59.18 Mbit/s
95th percentile per-packet one-way delay: 41.153 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 45.777 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 27.28 Mbit/s
95th percentile per-packet one-way delay: 53.938 ms
Loss rate: 0.17%

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

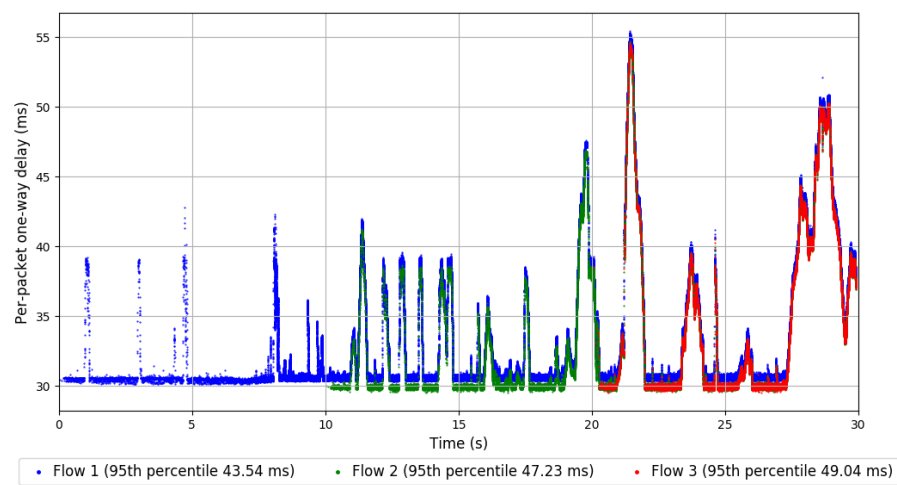
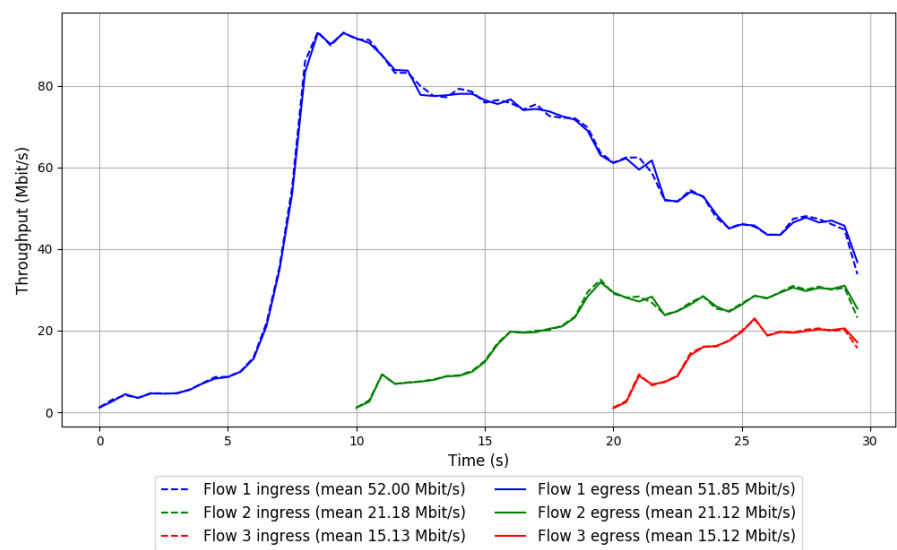


Run 1: Statistics of Vivace-latency

Start at: 2018-04-10 22:24:14
End at: 2018-04-10 22:24:44
Local clock offset: 0.441 ms
Remote clock offset: -2.942 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.88 Mbit/s
95th percentile per-packet one-way delay: 45.577 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 43.536 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 47.226 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 15.12 Mbit/s
95th percentile per-packet one-way delay: 49.044 ms
Loss rate: 0.07%

Run 1: Report of Vivace-latency — Data Link

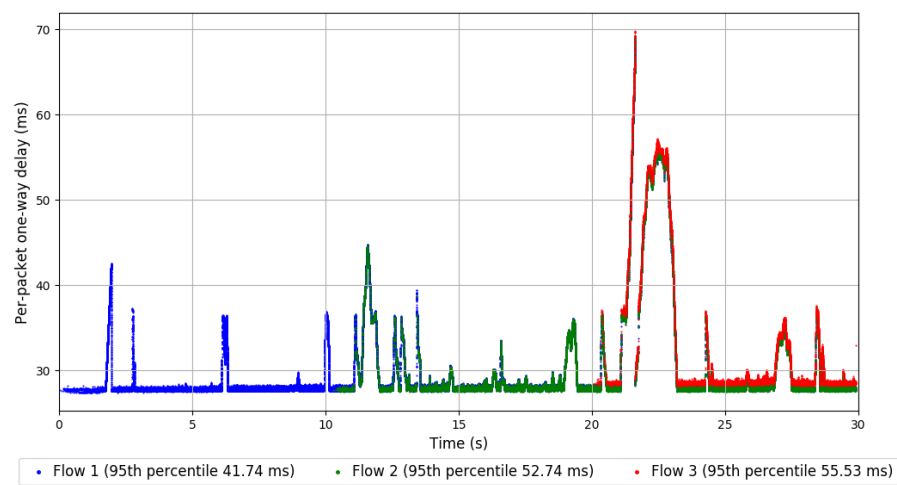
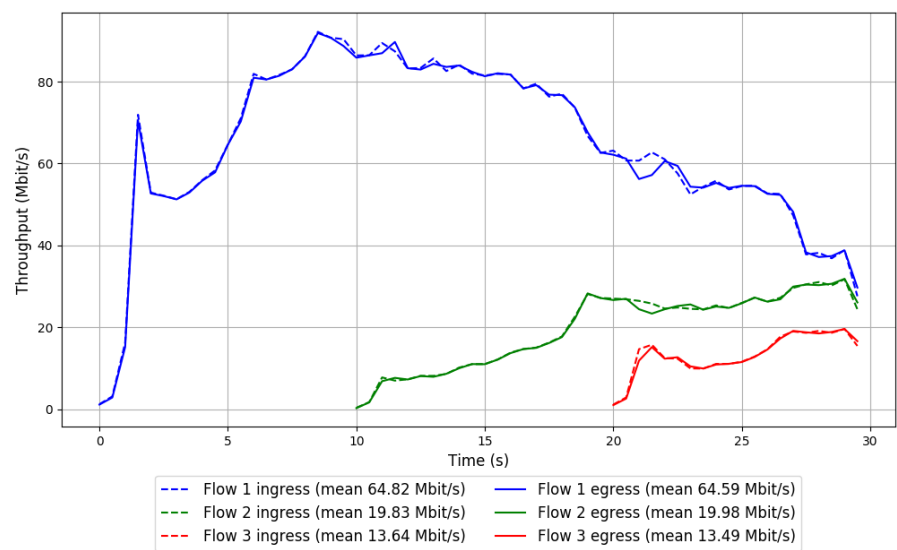


Run 2: Statistics of Vivace-latency

Start at: 2018-04-10 22:50:46
End at: 2018-04-10 22:51:16
Local clock offset: 0.79 ms
Remote clock offset: -5.242 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 46.111 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 64.59 Mbit/s
95th percentile per-packet one-way delay: 41.738 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 52.743 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 55.535 ms
Loss rate: 1.05%

Run 2: Report of Vivace-latency — Data Link

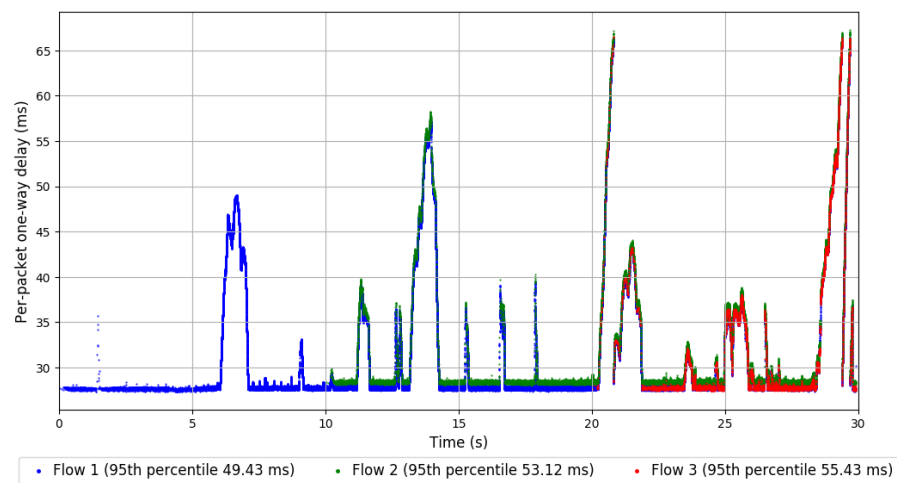
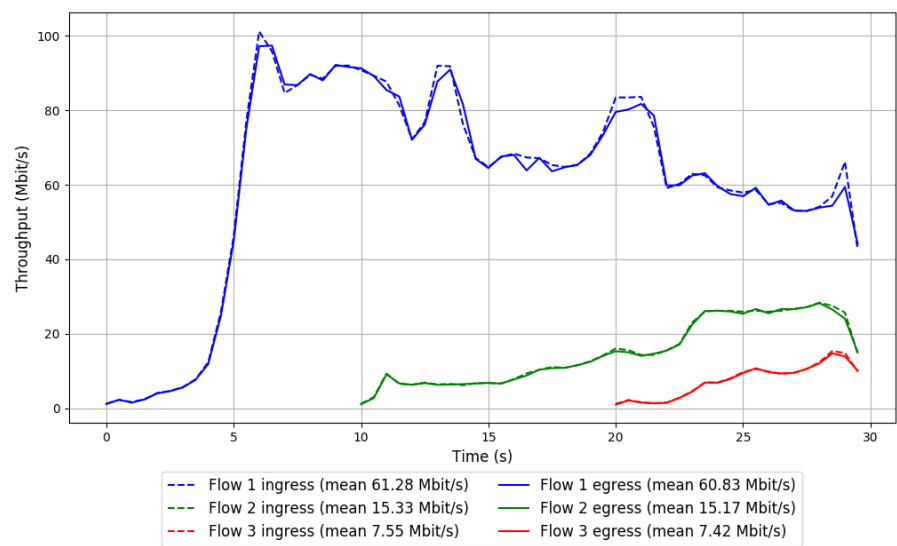


Run 3: Statistics of Vivace-latency

Start at: 2018-04-10 23:17:27
End at: 2018-04-10 23:17:57
Local clock offset: 1.23 ms
Remote clock offset: -5.154 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.36 Mbit/s
95th percentile per-packet one-way delay: 50.617 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 49.428 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 53.117 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 55.434 ms
Loss rate: 1.70%

Run 3: Report of Vivace-latency — Data Link

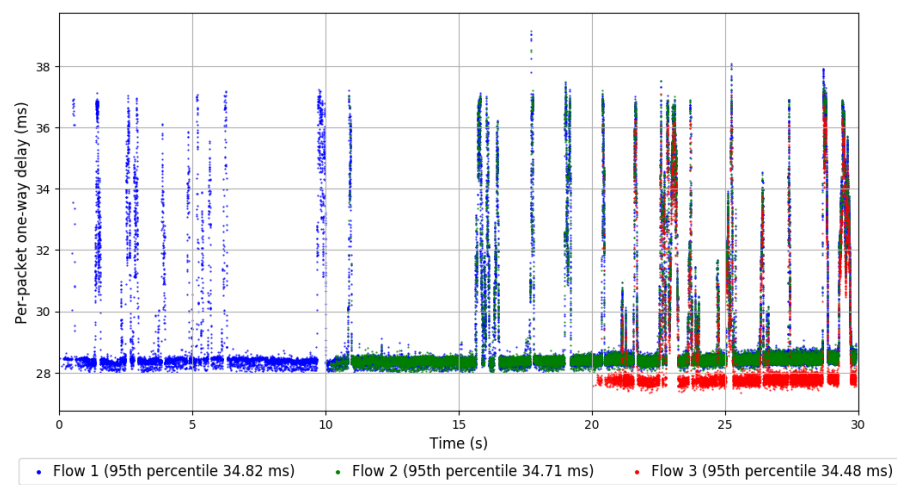
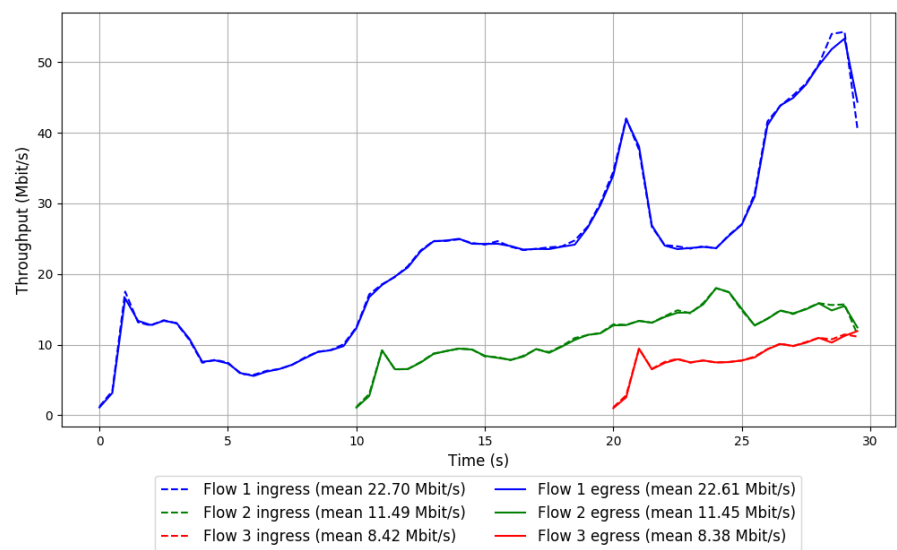


Run 4: Statistics of Vivace-latency

Start at: 2018-04-10 23:45:02
End at: 2018-04-10 23:45:32
Local clock offset: 1.347 ms
Remote clock offset: -3.735 ms

Below is generated by plot.py at 2018-04-11 03:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 34.758 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 22.61 Mbit/s
95th percentile per-packet one-way delay: 34.823 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 34.714 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 34.479 ms
Loss rate: 0.42%

Run 4: Report of Vivace-latency — Data Link

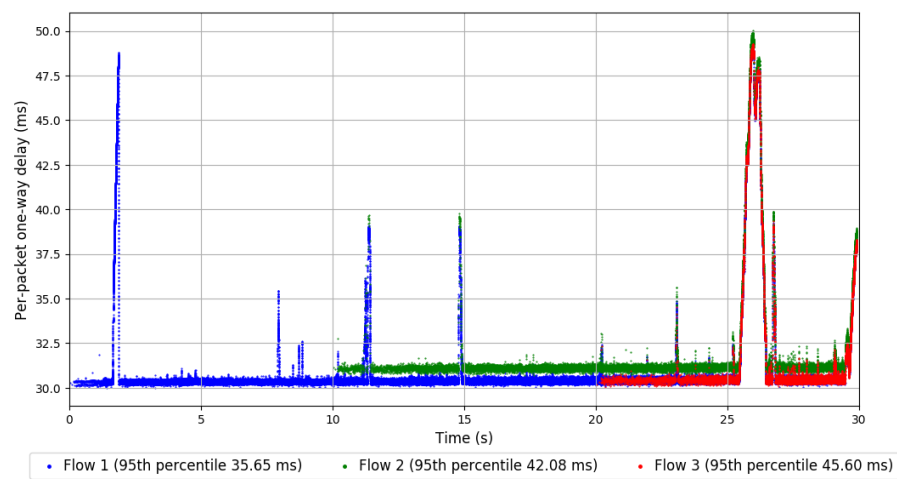
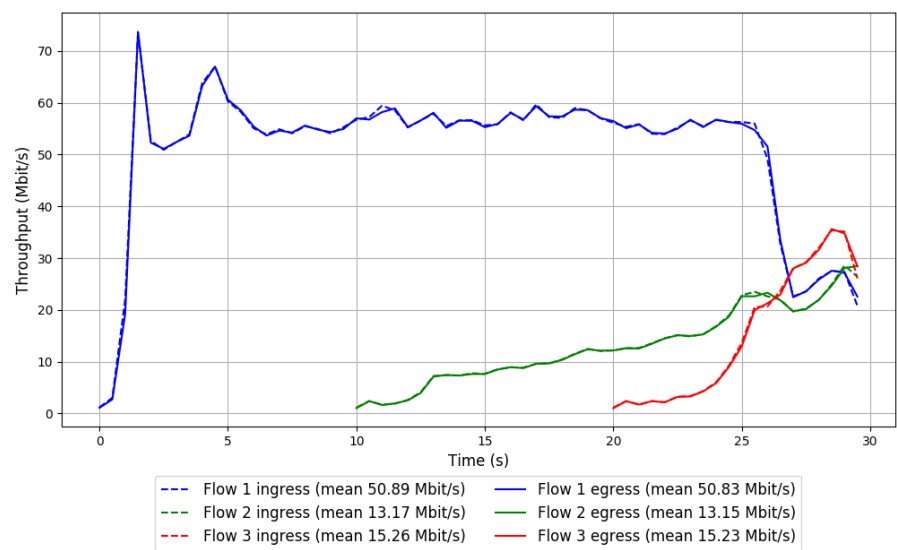


Run 5: Statistics of Vivace-latency

Start at: 2018-04-11 00:14:06
End at: 2018-04-11 00:14:36
Local clock offset: 2.166 ms
Remote clock offset: -5.147 ms

Below is generated by plot.py at 2018-04-11 03:54:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.60 Mbit/s
95th percentile per-packet one-way delay: 37.915 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 35.653 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 42.084 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 45.605 ms
Loss rate: 0.14%

Run 5: Report of Vivace-latency — Data Link

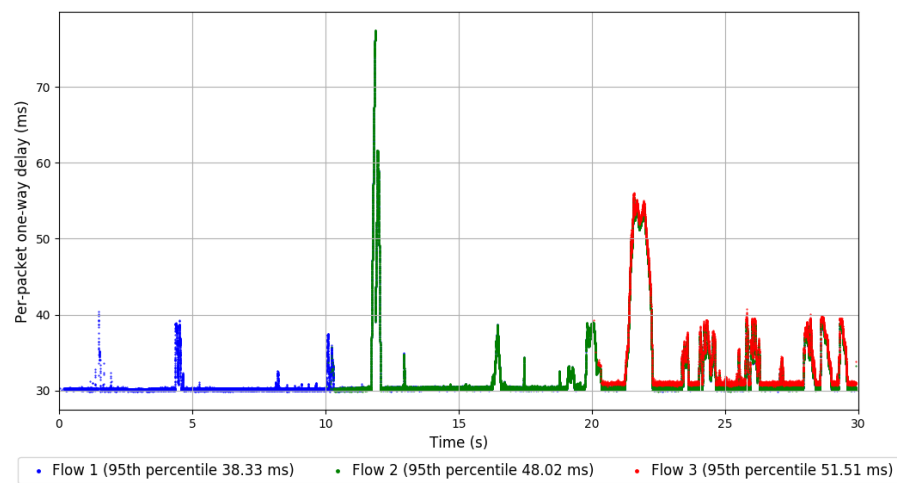
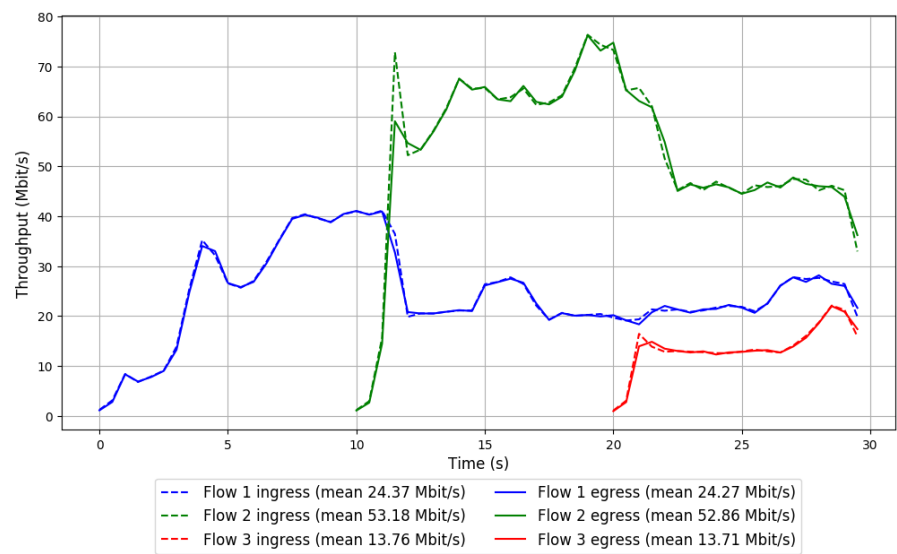


Run 6: Statistics of Vivace-latency

Start at: 2018-04-11 00:43:23
End at: 2018-04-11 00:43:53
Local clock offset: 1.539 ms
Remote clock offset: -1.238 ms

Below is generated by plot.py at 2018-04-11 03:54:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.93 Mbit/s
95th percentile per-packet one-way delay: 44.131 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 38.330 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 48.024 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 13.71 Mbit/s
95th percentile per-packet one-way delay: 51.512 ms
Loss rate: 0.43%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-04-11 01:11:04

End at: 2018-04-11 01:11:34

Local clock offset: 0.816 ms

Remote clock offset: 4.964 ms

Below is generated by plot.py at 2018-04-11 03:54:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.60 Mbit/s

95th percentile per-packet one-way delay: 45.329 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 64.47 Mbit/s

95th percentile per-packet one-way delay: 44.382 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 19.42 Mbit/s

95th percentile per-packet one-way delay: 55.374 ms

Loss rate: 0.15%

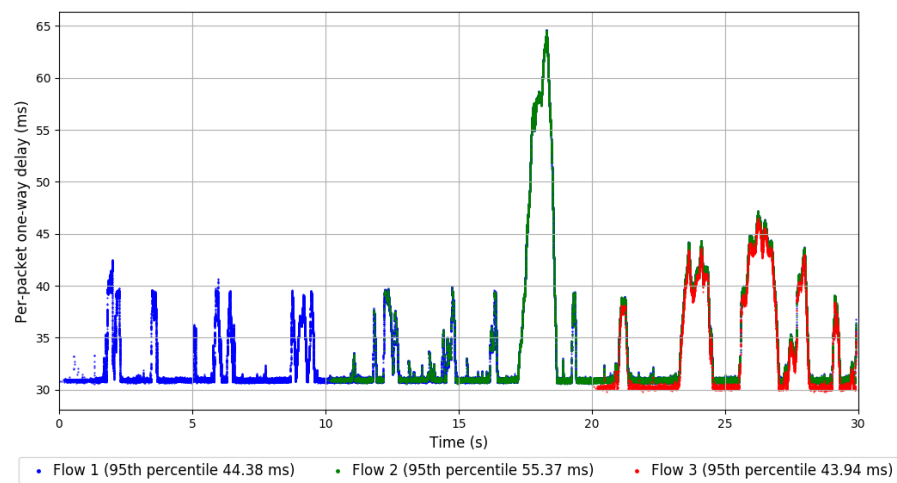
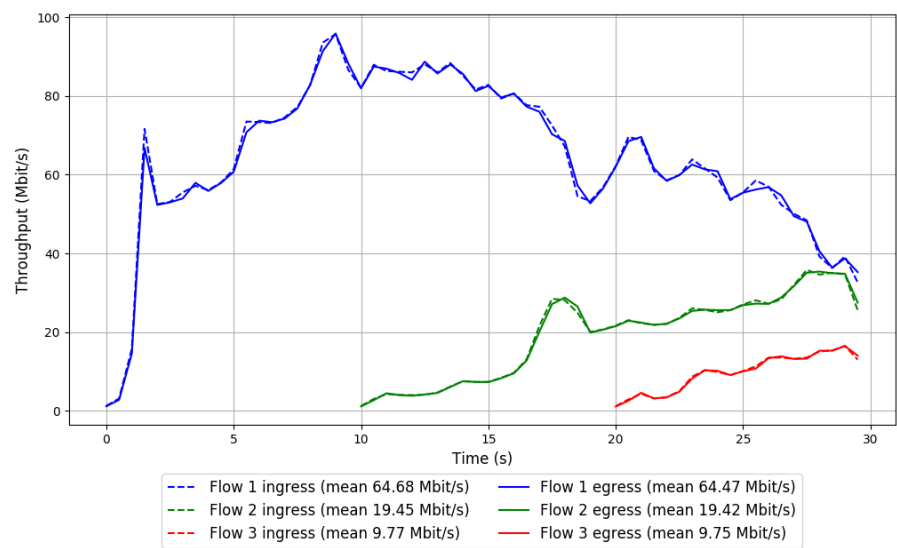
-- Flow 3:

Average throughput: 9.75 Mbit/s

95th percentile per-packet one-way delay: 43.941 ms

Loss rate: 0.12%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-04-11 01:37:11

End at: 2018-04-11 01:37:41

Local clock offset: 0.673 ms

Remote clock offset: 7.4 ms

Below is generated by plot.py at 2018-04-11 03:54:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.48 Mbit/s

95th percentile per-packet one-way delay: 52.289 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 56.82 Mbit/s

95th percentile per-packet one-way delay: 50.075 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 54.196 ms

Loss rate: 0.24%

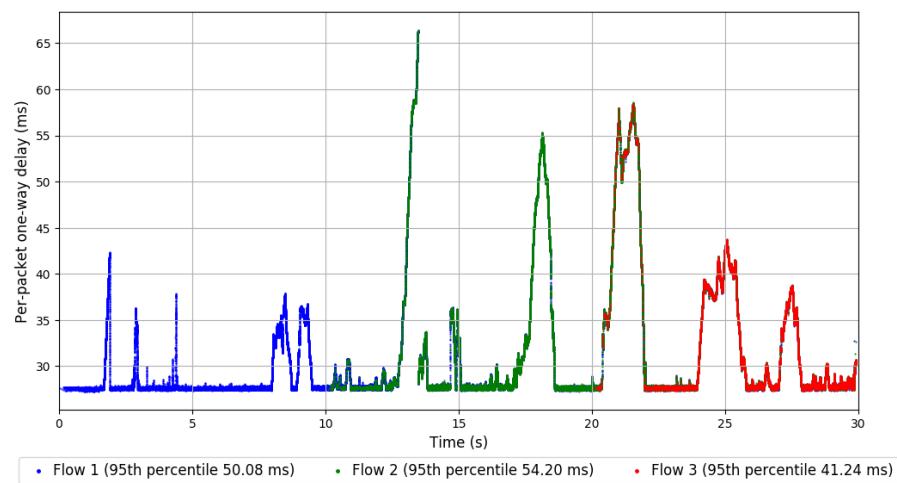
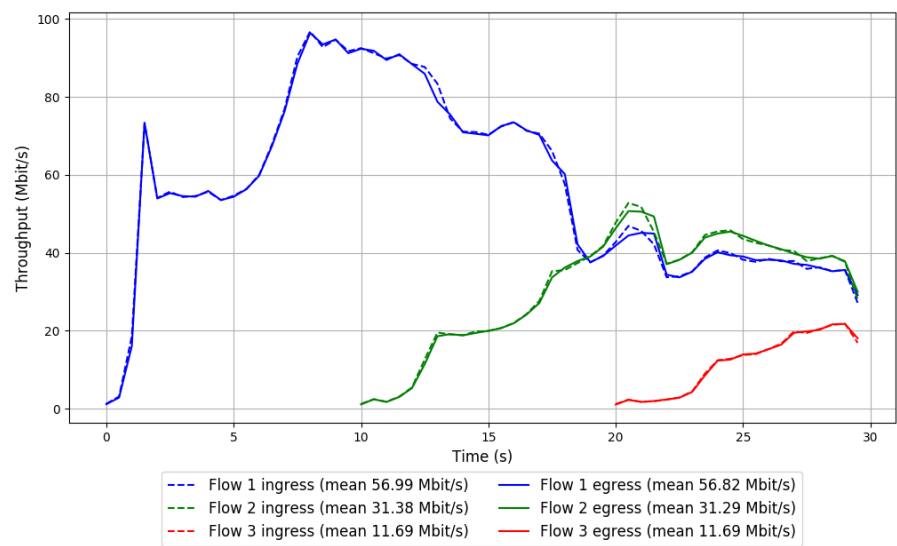
-- Flow 3:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 41.237 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

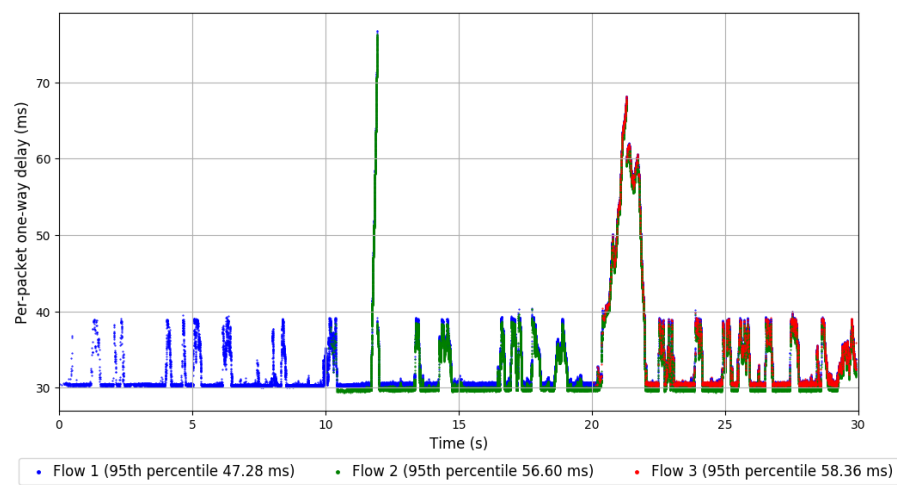
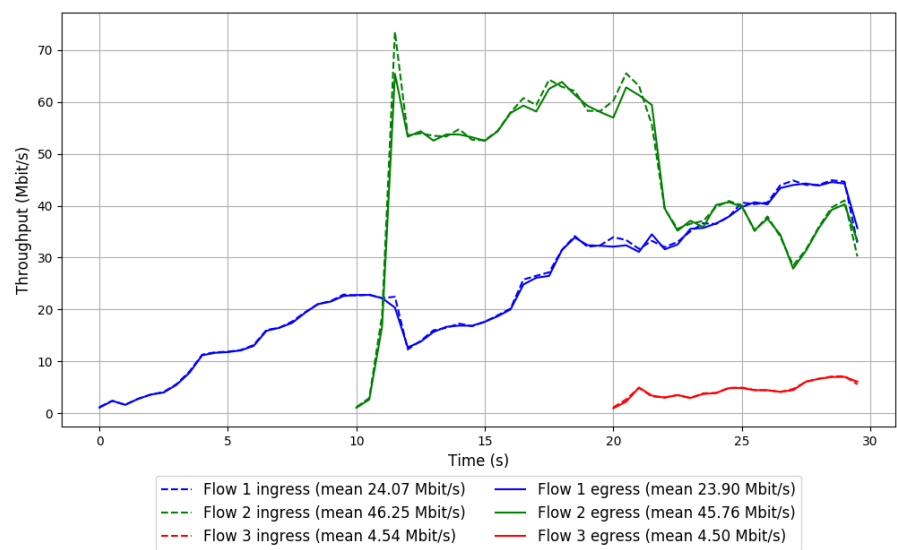


Run 9: Statistics of Vivace-latency

Start at: 2018-04-11 02:04:43
End at: 2018-04-11 02:05:13
Local clock offset: 0.444 ms
Remote clock offset: 13.893 ms

Below is generated by plot.py at 2018-04-11 03:54:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 53.601 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 47.278 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 56.603 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 58.364 ms
Loss rate: 0.67%

Run 9: Report of Vivace-latency — Data Link

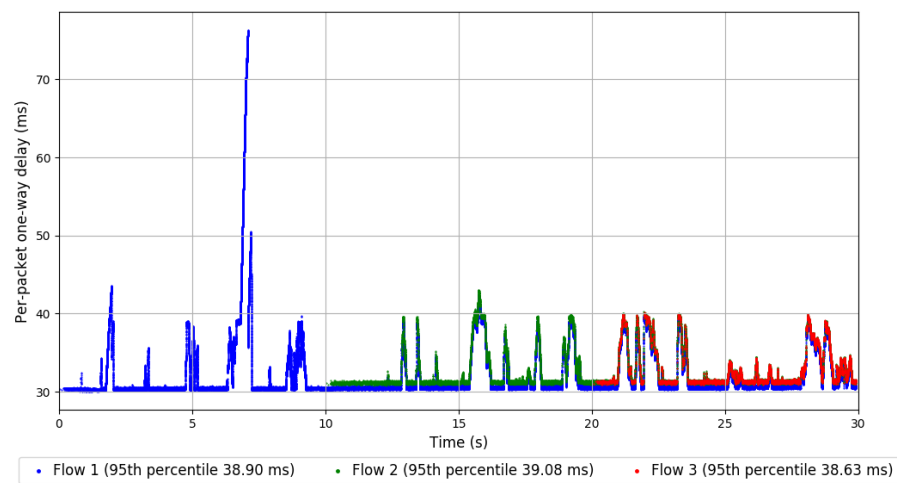
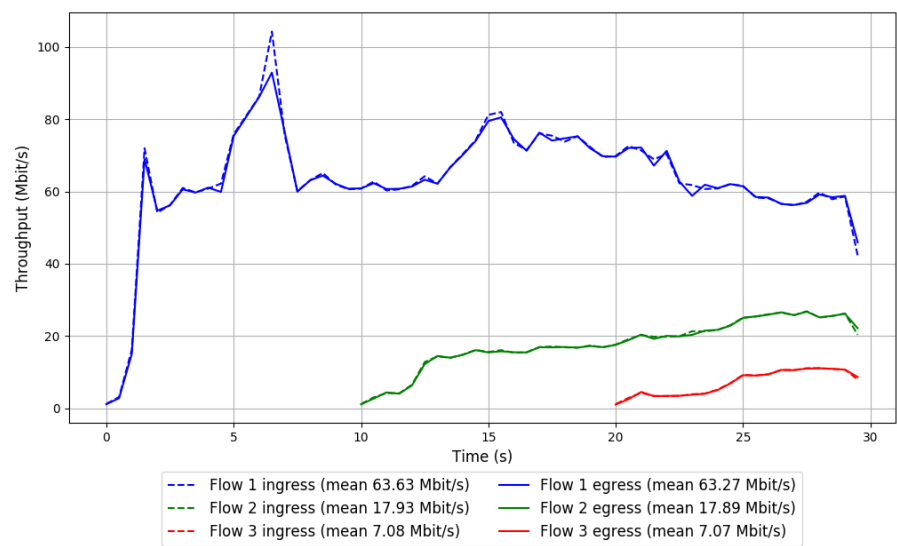


Run 10: Statistics of Vivace-latency

Start at: 2018-04-11 02:31:33
End at: 2018-04-11 02:32:03
Local clock offset: 0.337 ms
Remote clock offset: -5.261 ms

Below is generated by plot.py at 2018-04-11 03:54:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 38.913 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 63.27 Mbit/s
95th percentile per-packet one-way delay: 38.901 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 17.89 Mbit/s
95th percentile per-packet one-way delay: 39.084 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 38.627 ms
Loss rate: 0.07%

Run 10: Report of Vivace-latency — Data Link

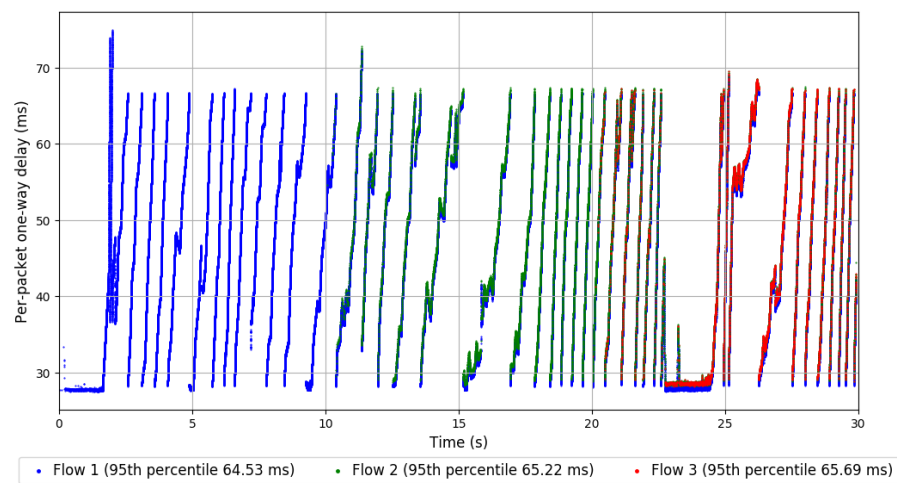
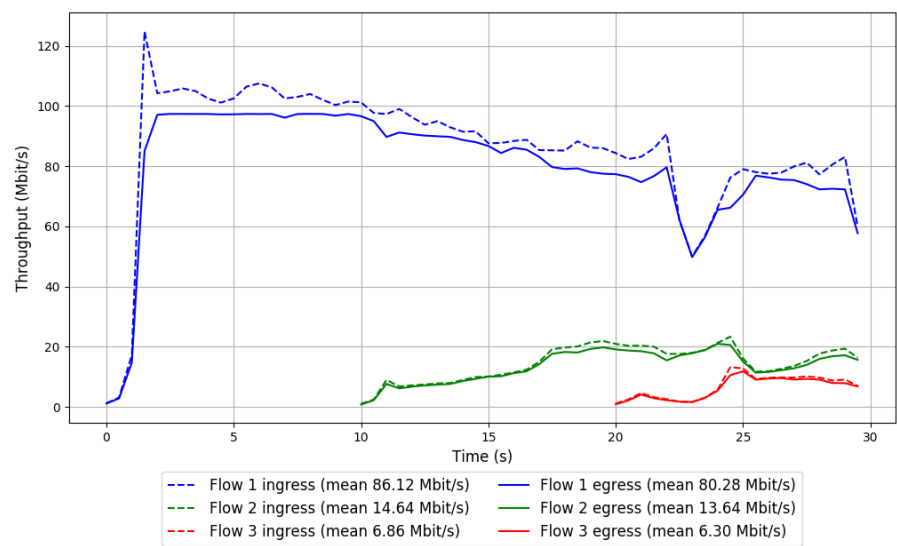


```
Run 1: Statistics of Vivace-loss

Start at: 2018-04-10 22:37:43
End at: 2018-04-10 22:38:13
Local clock offset: 0.466 ms
Remote clock offset: -5.726 ms

# Below is generated by plot.py at 2018-04-11 03:55:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 64.601 ms
Loss rate: 6.78%
-- Flow 1:
Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 64.530 ms
Loss rate: 6.74%
-- Flow 2:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 65.225 ms
Loss rate: 6.91%
-- Flow 3:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 65.687 ms
Loss rate: 8.06%
```

Run 1: Report of Vivace-loss — Data Link

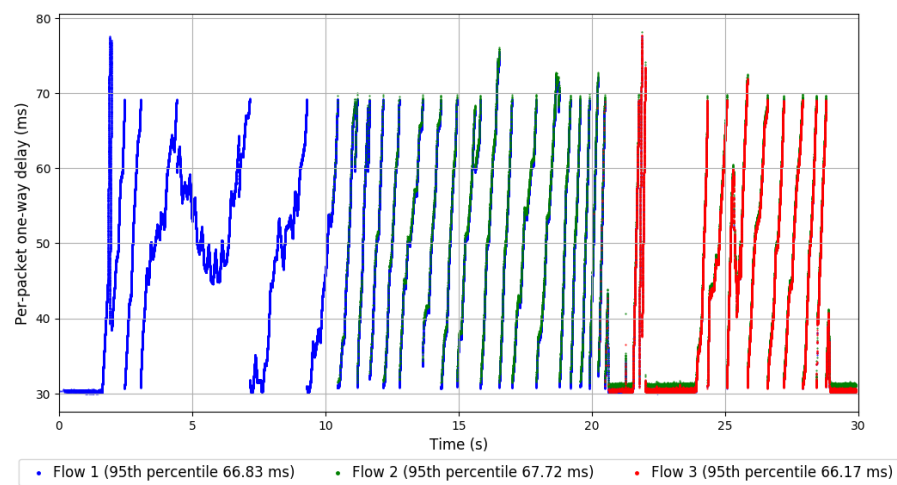
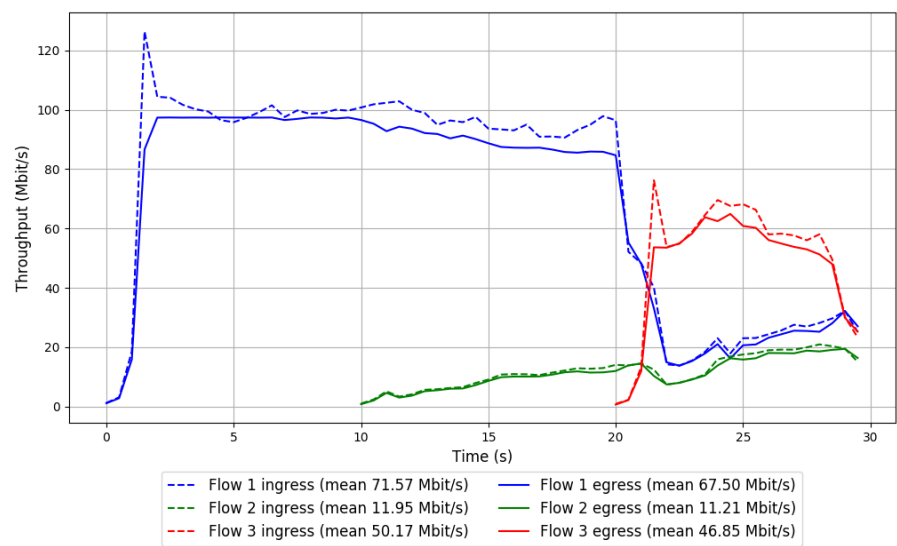


Run 2: Statistics of Vivace-loss

Start at: 2018-04-10 23:03:52
End at: 2018-04-10 23:04:22
Local clock offset: 1.088 ms
Remote clock offset: -2.444 ms

Below is generated by plot.py at 2018-04-11 03:55:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 66.826 ms
Loss rate: 5.94%
-- Flow 1:
Average throughput: 67.50 Mbit/s
95th percentile per-packet one-way delay: 66.834 ms
Loss rate: 5.69%
-- Flow 2:
Average throughput: 11.21 Mbit/s
95th percentile per-packet one-way delay: 67.725 ms
Loss rate: 6.33%
-- Flow 3:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 66.174 ms
Loss rate: 6.84%

Run 2: Report of Vivace-loss — Data Link

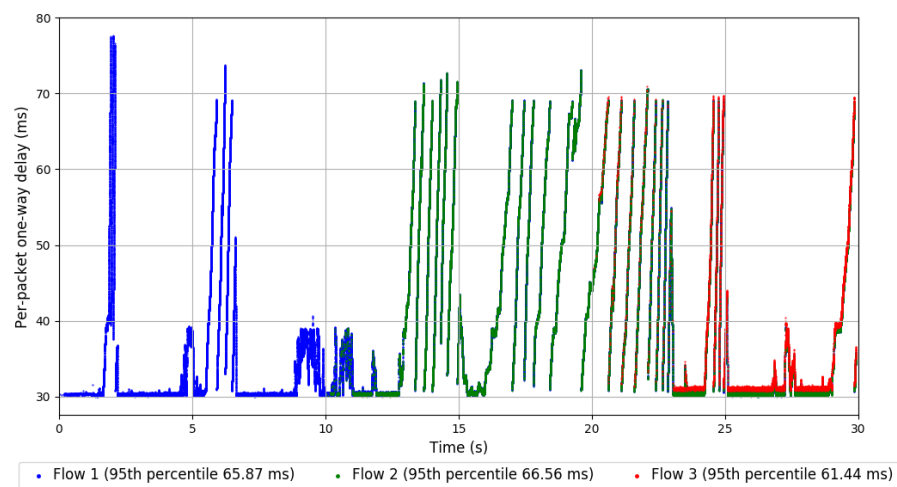
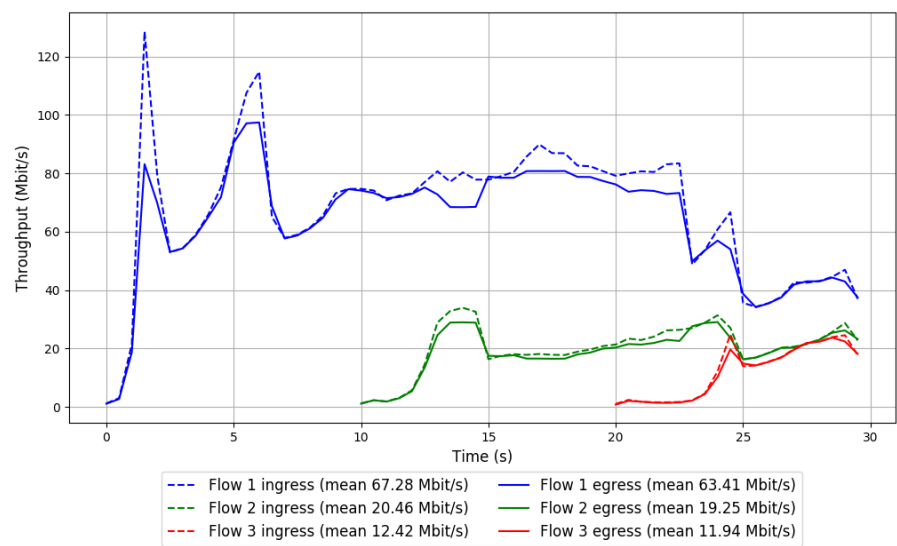


Run 3: Statistics of Vivace-loss

Start at: 2018-04-10 23:31:12
End at: 2018-04-10 23:31:42
Local clock offset: 1.041 ms
Remote clock offset: -1.427 ms

Below is generated by plot.py at 2018-04-11 03:55:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.14 Mbit/s
95th percentile per-packet one-way delay: 65.906 ms
Loss rate: 5.68%
-- Flow 1:
Average throughput: 63.41 Mbit/s
95th percentile per-packet one-way delay: 65.872 ms
Loss rate: 5.73%
-- Flow 2:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 66.557 ms
Loss rate: 5.88%
-- Flow 3:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 61.441 ms
Loss rate: 4.03%

Run 3: Report of Vivace-loss — Data Link

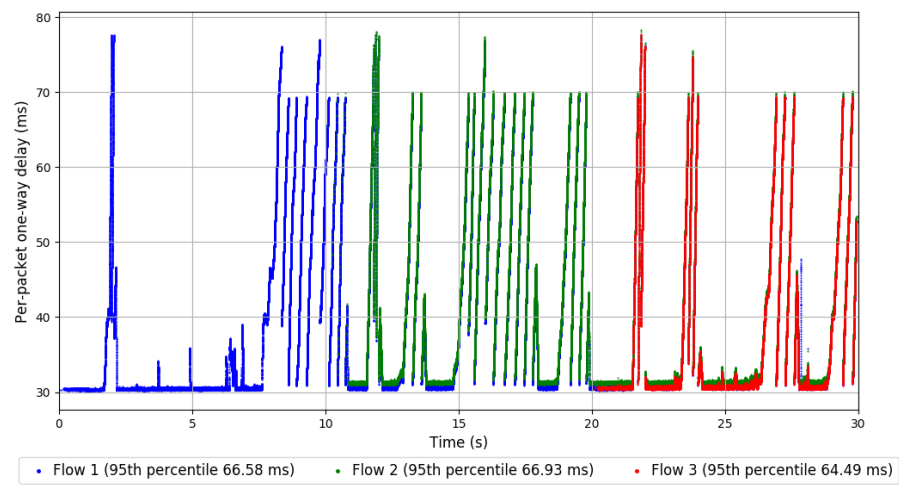
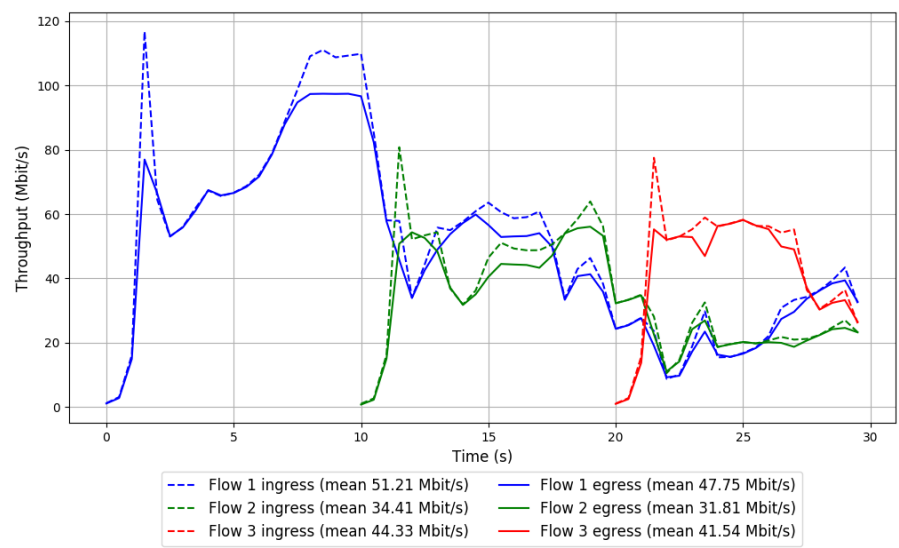


Run 4: Statistics of Vivace-loss

Start at: 2018-04-10 23:59:01
End at: 2018-04-10 23:59:31
Local clock offset: 1.709 ms
Remote clock offset: -3.674 ms

Below is generated by plot.py at 2018-04-11 03:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 66.427 ms
Loss rate: 6.82%
-- Flow 1:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 66.581 ms
Loss rate: 6.69%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 66.929 ms
Loss rate: 7.61%
-- Flow 3:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 64.487 ms
Loss rate: 6.07%

Run 4: Report of Vivace-loss — Data Link

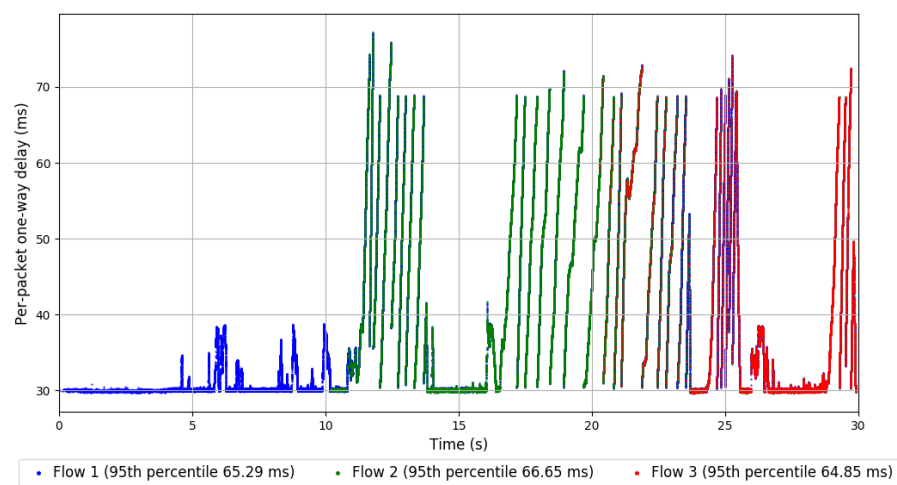
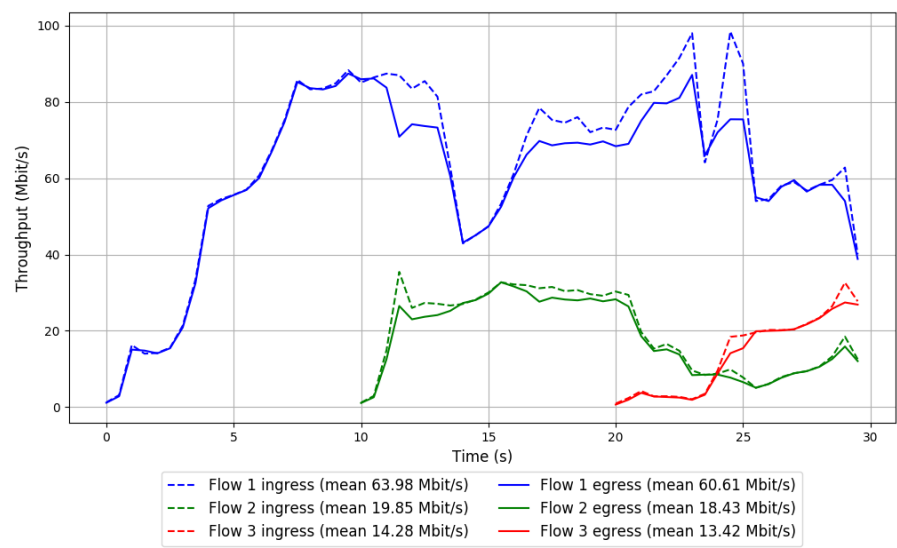


Run 5: Statistics of Vivace-loss

Start at: 2018-04-11 00:28:46
End at: 2018-04-11 00:29:16
Local clock offset: 2.127 ms
Remote clock offset: -4.152 ms

Below is generated by plot.py at 2018-04-11 03:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.26 Mbit/s
95th percentile per-packet one-way delay: 65.544 ms
Loss rate: 5.64%
-- Flow 1:
Average throughput: 60.61 Mbit/s
95th percentile per-packet one-way delay: 65.287 ms
Loss rate: 5.27%
-- Flow 2:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 66.653 ms
Loss rate: 7.21%
-- Flow 3:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 64.846 ms
Loss rate: 6.22%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-04-11 00:57:51

End at: 2018-04-11 00:58:21

Local clock offset: 1.402 ms

Remote clock offset: 0.328 ms

Below is generated by plot.py at 2018-04-11 03:56:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 67.958 ms

Loss rate: 6.90%

-- Flow 1:

Average throughput: 65.92 Mbit/s

95th percentile per-packet one-way delay: 68.069 ms

Loss rate: 6.54%

-- Flow 2:

Average throughput: 35.47 Mbit/s

95th percentile per-packet one-way delay: 67.628 ms

Loss rate: 7.76%

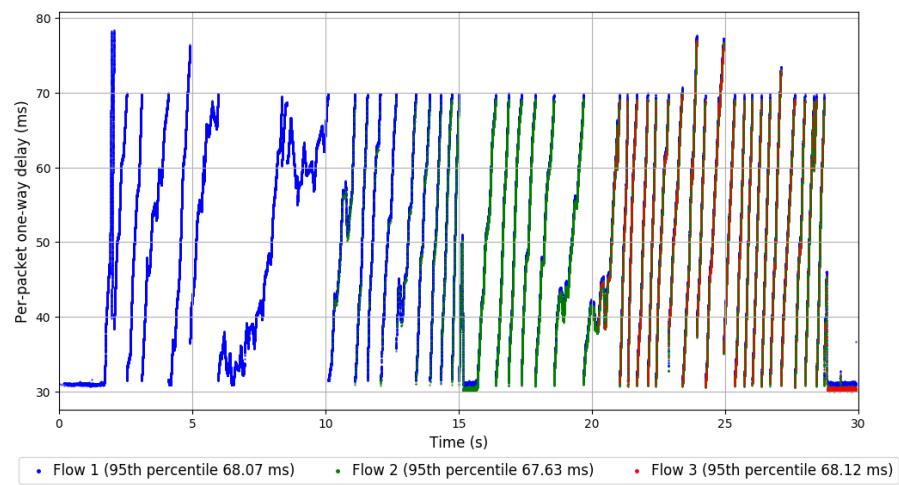
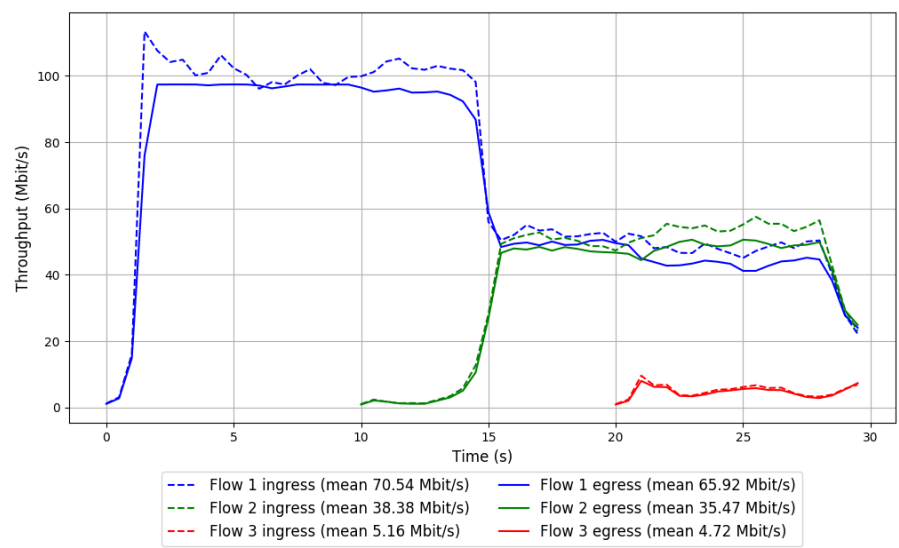
-- Flow 3:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 68.116 ms

Loss rate: 8.64%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-04-11 01:24:32

End at: 2018-04-11 01:25:02

Local clock offset: 0.669 ms

Remote clock offset: 7.364 ms

Below is generated by plot.py at 2018-04-11 03:56:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 65.825 ms

Loss rate: 6.21%

-- Flow 1:

Average throughput: 64.47 Mbit/s

95th percentile per-packet one-way delay: 66.102 ms

Loss rate: 6.30%

-- Flow 2:

Average throughput: 20.84 Mbit/s

95th percentile per-packet one-way delay: 64.668 ms

Loss rate: 5.93%

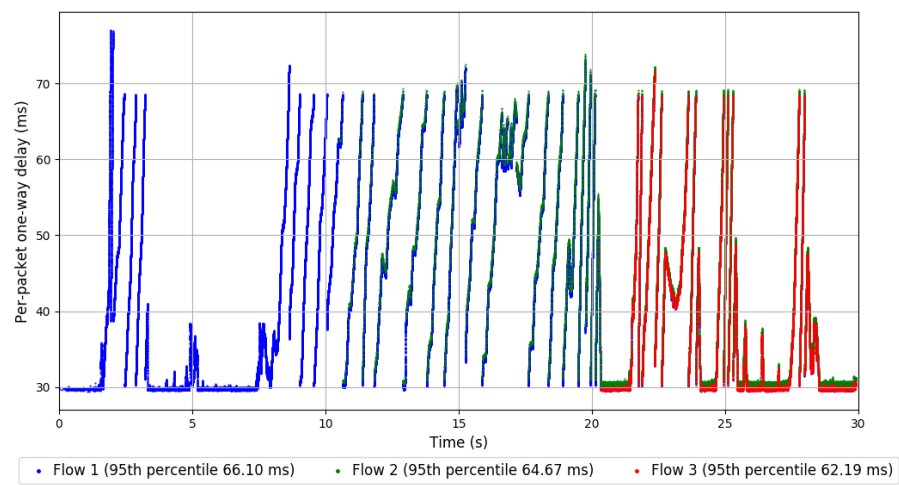
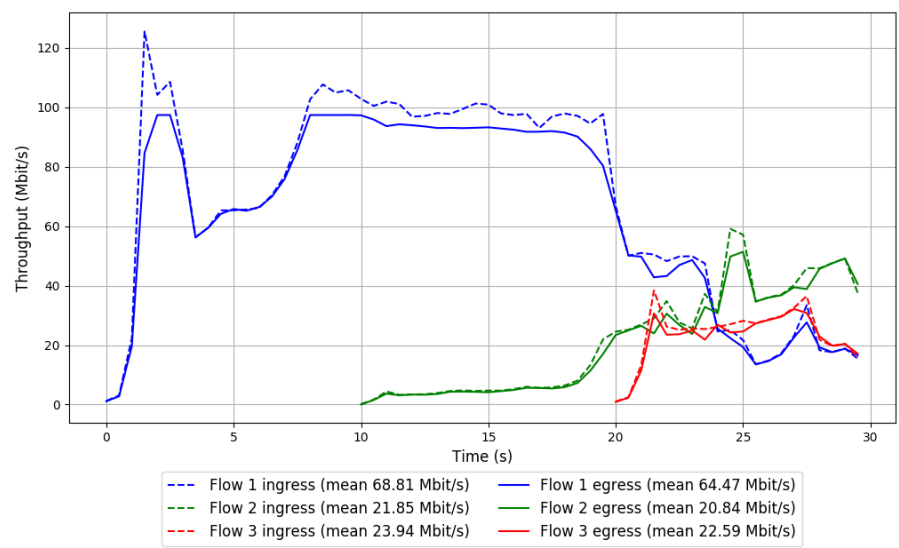
-- Flow 3:

Average throughput: 22.59 Mbit/s

95th percentile per-packet one-way delay: 62.186 ms

Loss rate: 5.95%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-04-11 01:50:25

End at: 2018-04-11 01:50:55

Local clock offset: 0.51 ms

Remote clock offset: 9.484 ms

Below is generated by plot.py at 2018-04-11 03:56:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 62.307 ms

Loss rate: 4.06%

-- Flow 1:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 61.873 ms

Loss rate: 3.85%

-- Flow 2:

Average throughput: 19.21 Mbit/s

95th percentile per-packet one-way delay: 63.525 ms

Loss rate: 4.61%

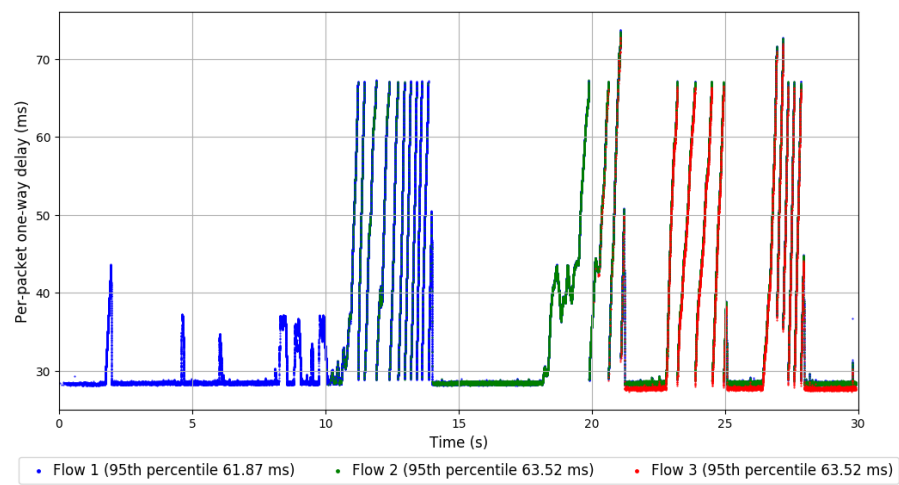
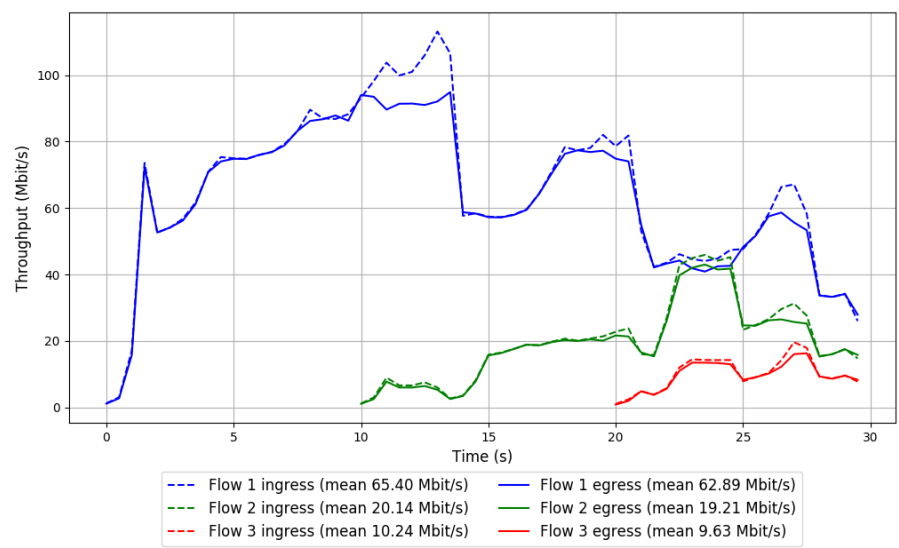
-- Flow 3:

Average throughput: 9.63 Mbit/s

95th percentile per-packet one-way delay: 63.519 ms

Loss rate: 6.09%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-04-11 02:17:42

End at: 2018-04-11 02:18:12

Local clock offset: 0.325 ms

Remote clock offset: -1.2 ms

Below is generated by plot.py at 2018-04-11 03:56:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.87 Mbit/s

95th percentile per-packet one-way delay: 65.563 ms

Loss rate: 5.47%

-- Flow 1:

Average throughput: 47.78 Mbit/s

95th percentile per-packet one-way delay: 63.620 ms

Loss rate: 4.44%

-- Flow 2:

Average throughput: 24.93 Mbit/s

95th percentile per-packet one-way delay: 66.967 ms

Loss rate: 6.95%

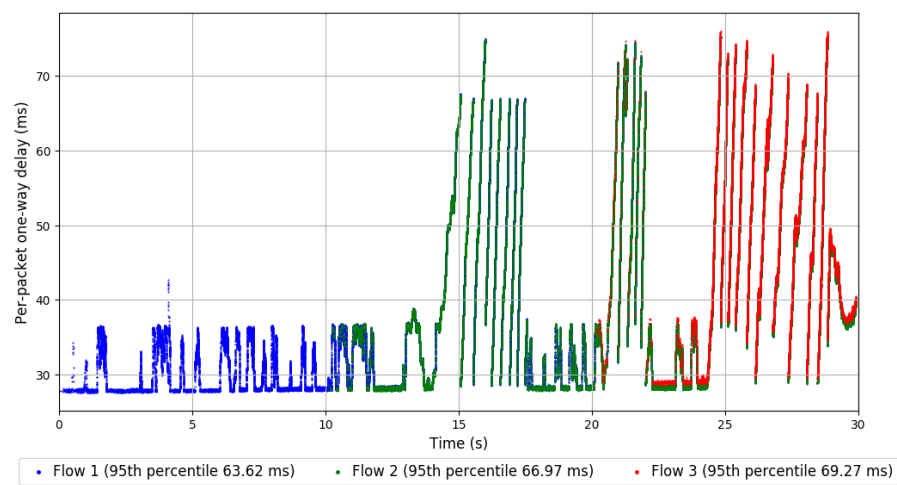
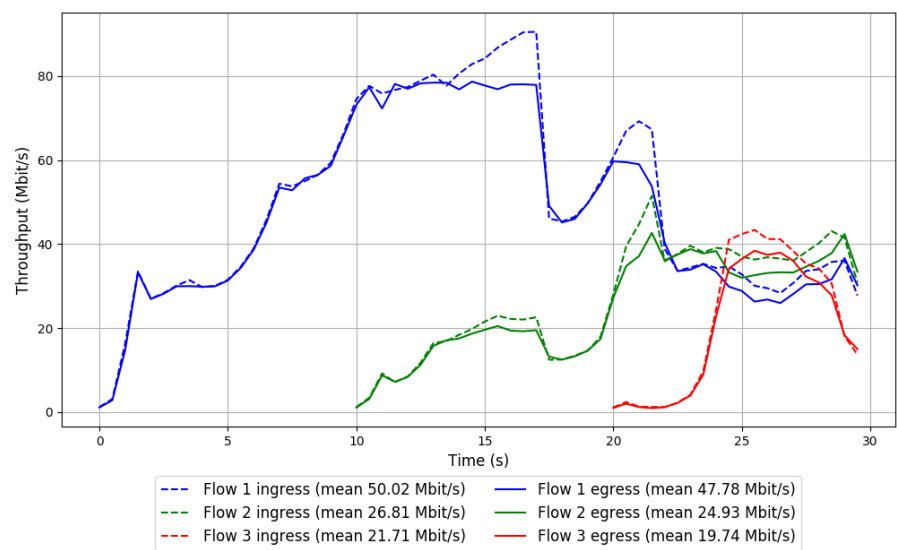
-- Flow 3:

Average throughput: 19.74 Mbit/s

95th percentile per-packet one-way delay: 69.268 ms

Loss rate: 8.95%

Run 9: Report of Vivace-loss — Data Link

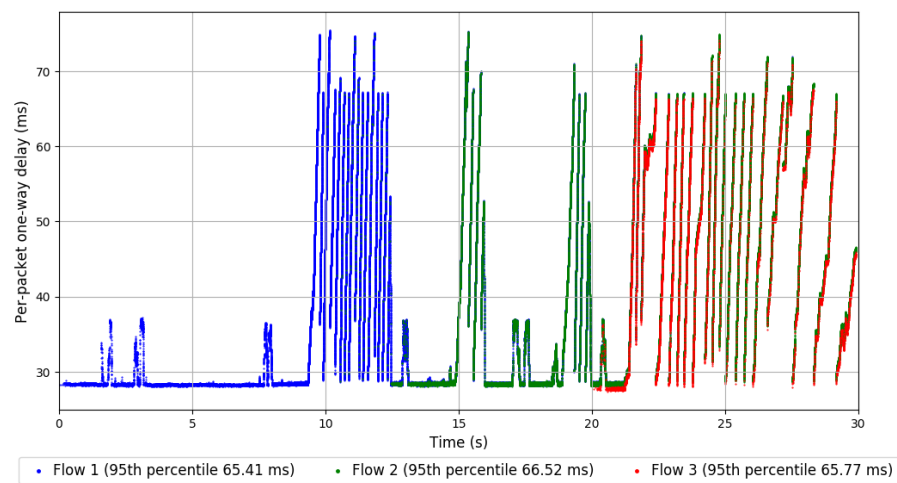
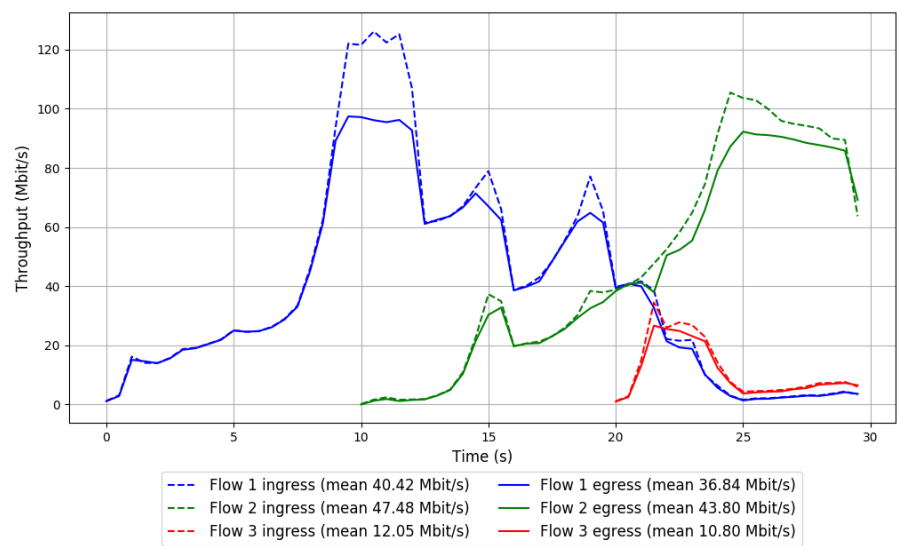


Run 10: Statistics of Vivace-loss

Start at: 2018-04-11 02:45:07
End at: 2018-04-11 02:45:37
Local clock offset: 0.423 ms
Remote clock offset: -9.075 ms

Below is generated by plot.py at 2018-04-11 03:56:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 66.102 ms
Loss rate: 8.47%
-- Flow 1:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 65.409 ms
Loss rate: 8.81%
-- Flow 2:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 66.516 ms
Loss rate: 7.81%
-- Flow 3:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 65.768 ms
Loss rate: 10.22%

Run 10: Report of Vivace-loss — Data Link

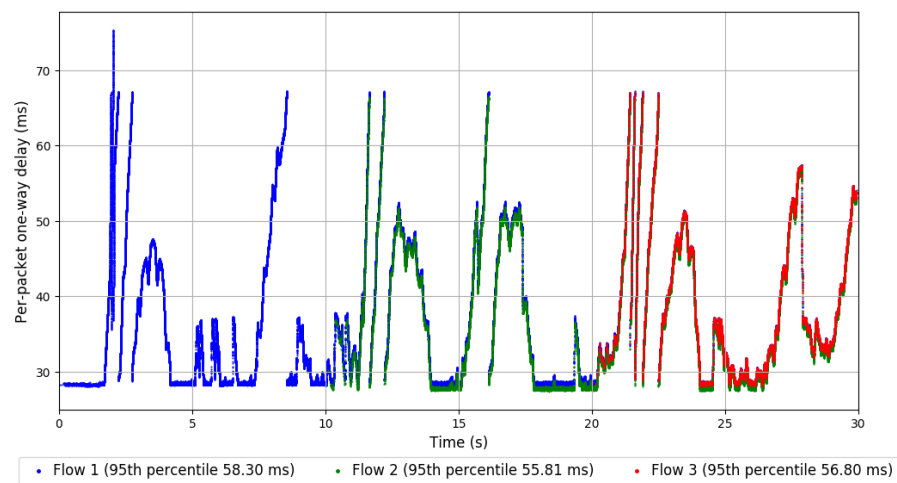
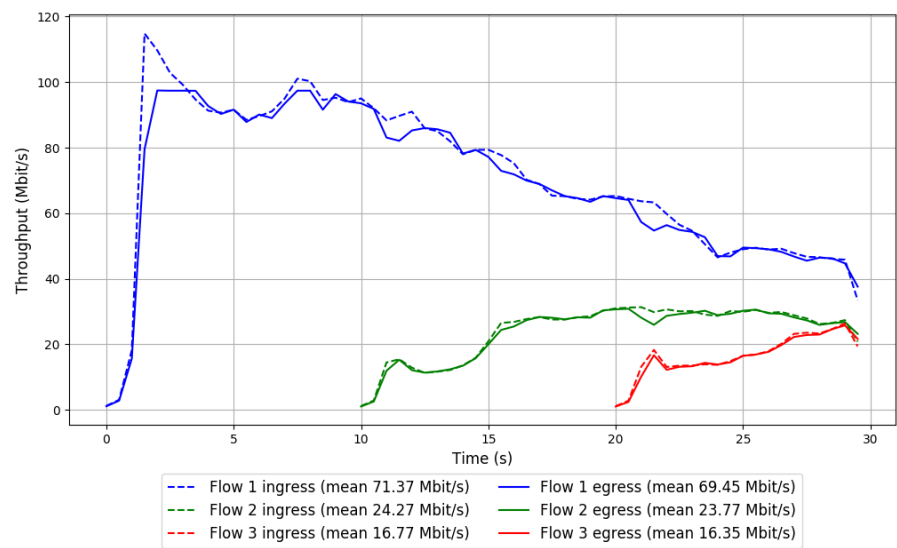


Run 1: Statistics of Vivace-LTE

Start at: 2018-04-10 22:43:42
End at: 2018-04-10 22:44:12
Local clock offset: 0.669 ms
Remote clock offset: -5.876 ms

Below is generated by plot.py at 2018-04-11 03:57:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.66 Mbit/s
95th percentile per-packet one-way delay: 57.650 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 69.45 Mbit/s
95th percentile per-packet one-way delay: 58.302 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 55.811 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 56.797 ms
Loss rate: 2.20%

Run 1: Report of Vivace-LTE — Data Link

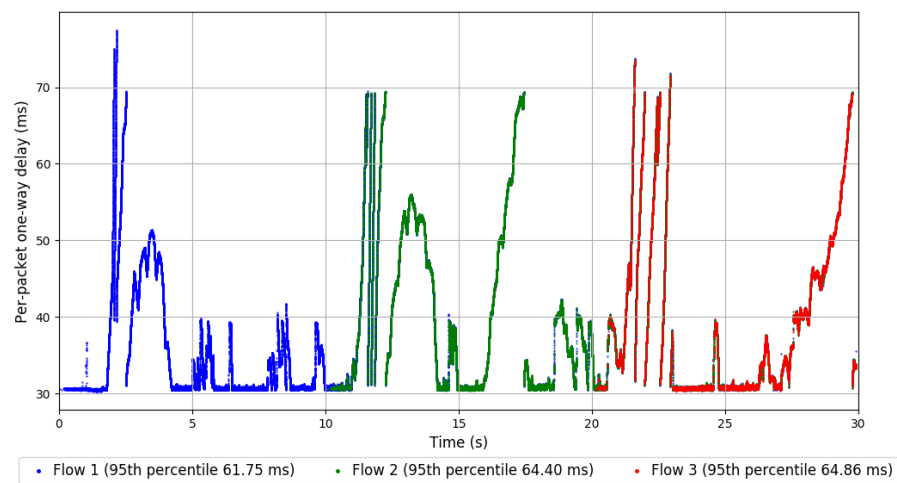
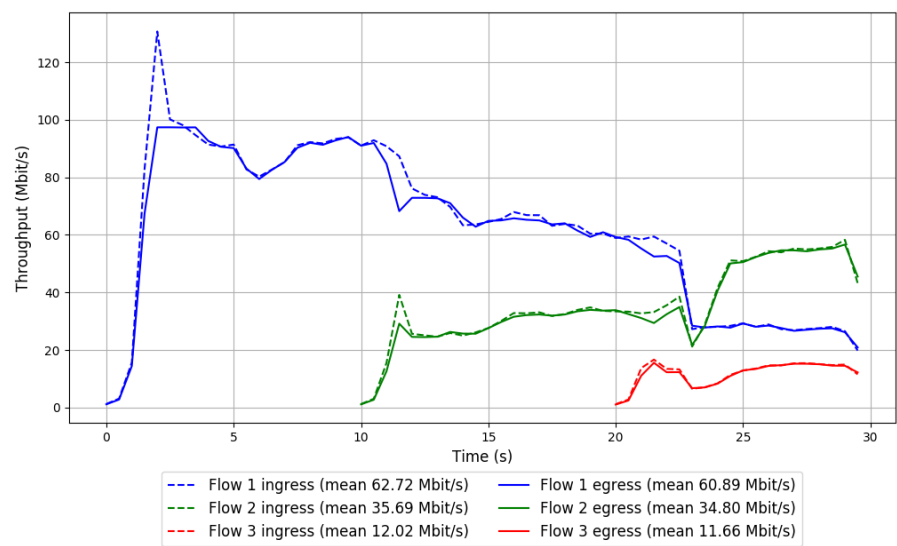


Run 2: Statistics of Vivace-LTE

Start at: 2018-04-10 23:10:00
End at: 2018-04-10 23:10:30
Local clock offset: 1.071 ms
Remote clock offset: -3.045 ms

Below is generated by plot.py at 2018-04-11 03:57:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 62.805 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 61.752 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 64.399 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 64.857 ms
Loss rate: 3.00%

Run 2: Report of Vivace-LTE — Data Link

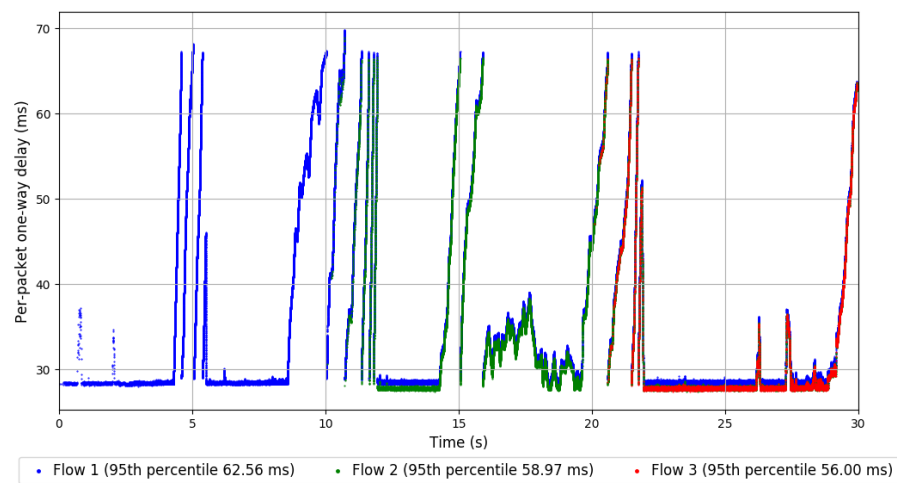
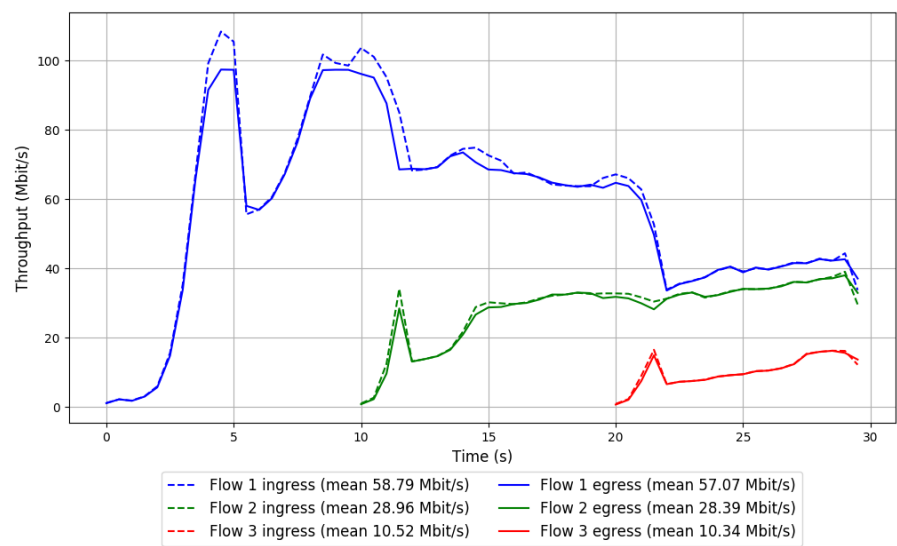


Run 3: Statistics of Vivace-LTE

Start at: 2018-04-10 23:37:32
End at: 2018-04-10 23:38:02
Local clock offset: 1.192 ms
Remote clock offset: -3.782 ms

Below is generated by plot.py at 2018-04-11 03:57:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 61.946 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 62.560 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 58.973 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 55.998 ms
Loss rate: 1.50%

Run 3: Report of Vivace-LTE — Data Link

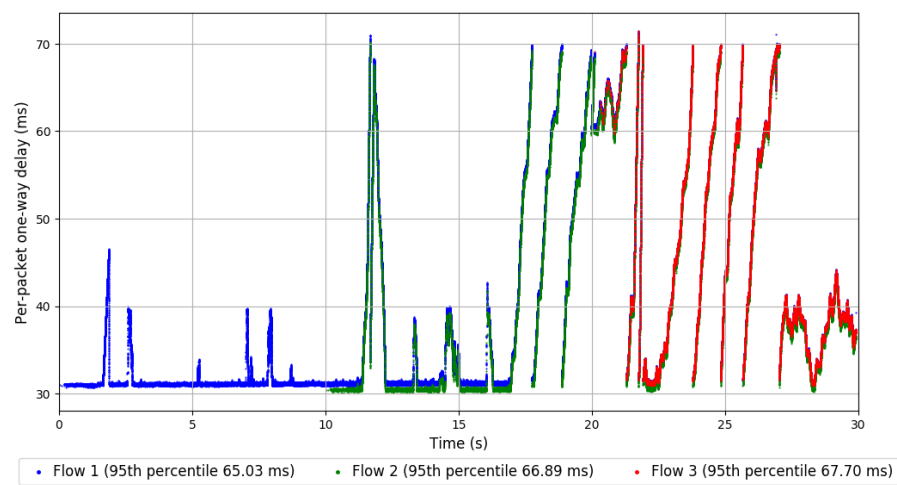
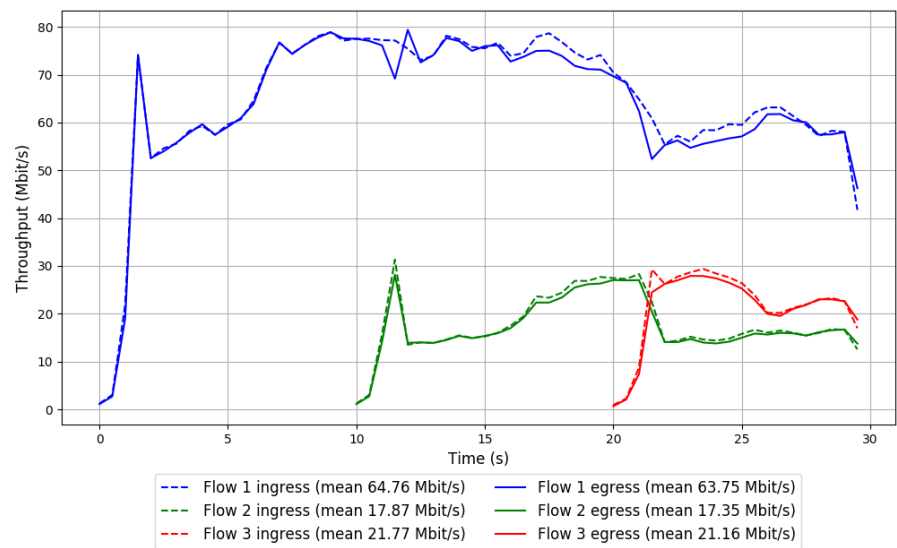


Run 4: Statistics of Vivace-LTE

Start at: 2018-04-11 00:05:42
End at: 2018-04-11 00:06:12
Local clock offset: 1.908 ms
Remote clock offset: -4.699 ms

Below is generated by plot.py at 2018-04-11 03:57:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.23 Mbit/s
95th percentile per-packet one-way delay: 65.637 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 63.75 Mbit/s
95th percentile per-packet one-way delay: 65.033 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 17.35 Mbit/s
95th percentile per-packet one-way delay: 66.893 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 67.703 ms
Loss rate: 3.11%

Run 4: Report of Vivace-LTE — Data Link

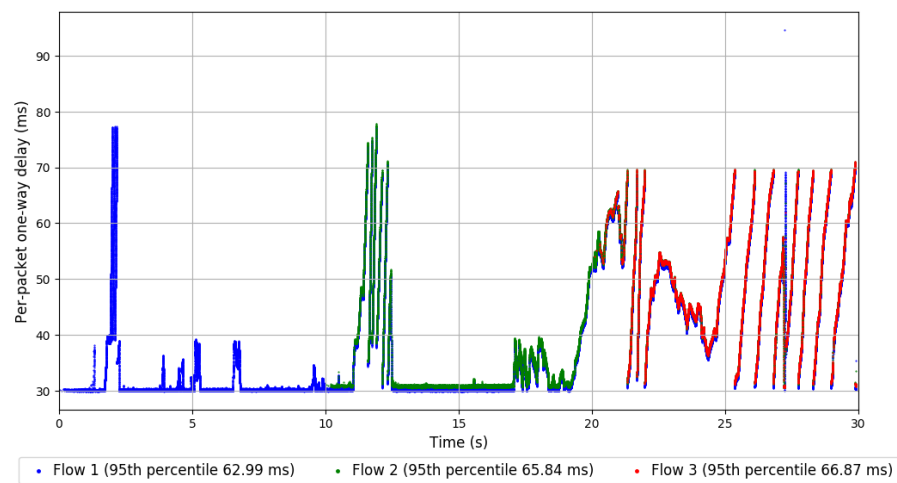
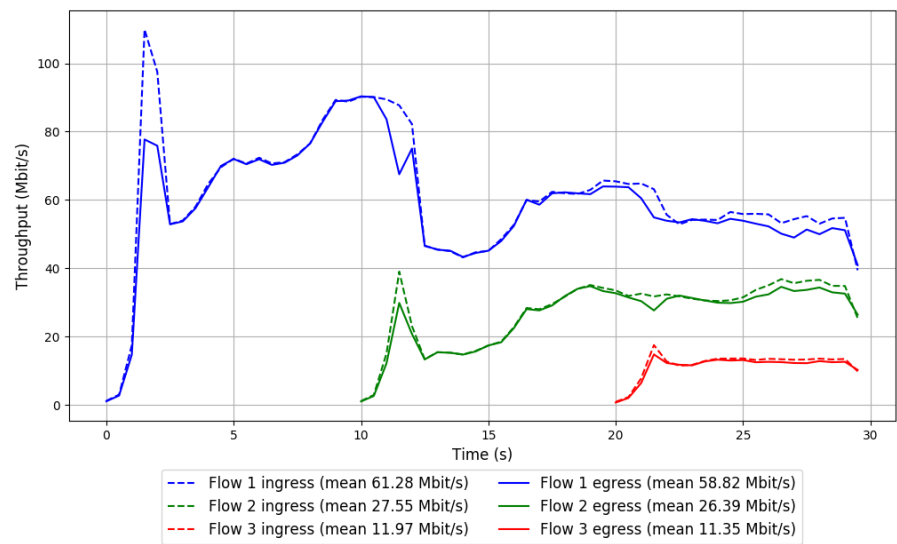


Run 5: Statistics of Vivace-LTE

Start at: 2018-04-11 00:35:30
End at: 2018-04-11 00:36:00
Local clock offset: 1.689 ms
Remote clock offset: -2.459 ms

Below is generated by plot.py at 2018-04-11 03:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.09 Mbit/s
95th percentile per-packet one-way delay: 64.239 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 62.988 ms
Loss rate: 3.99%
-- Flow 2:
Average throughput: 26.39 Mbit/s
95th percentile per-packet one-way delay: 65.837 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 11.35 Mbit/s
95th percentile per-packet one-way delay: 66.874 ms
Loss rate: 5.42%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-04-11 01:03:54

End at: 2018-04-11 01:04:24

Local clock offset: 1.117 ms

Remote clock offset: 2.215 ms

Below is generated by plot.py at 2018-04-11 03:57:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.74 Mbit/s

95th percentile per-packet one-way delay: 63.696 ms

Loss rate: 2.68%

-- Flow 1:

Average throughput: 60.34 Mbit/s

95th percentile per-packet one-way delay: 62.969 ms

Loss rate: 2.83%

-- Flow 2:

Average throughput: 29.90 Mbit/s

95th percentile per-packet one-way delay: 65.000 ms

Loss rate: 2.24%

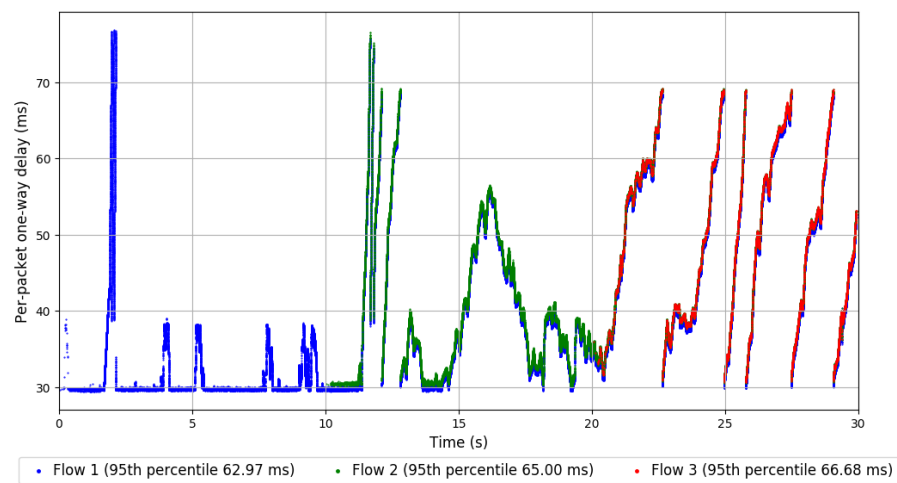
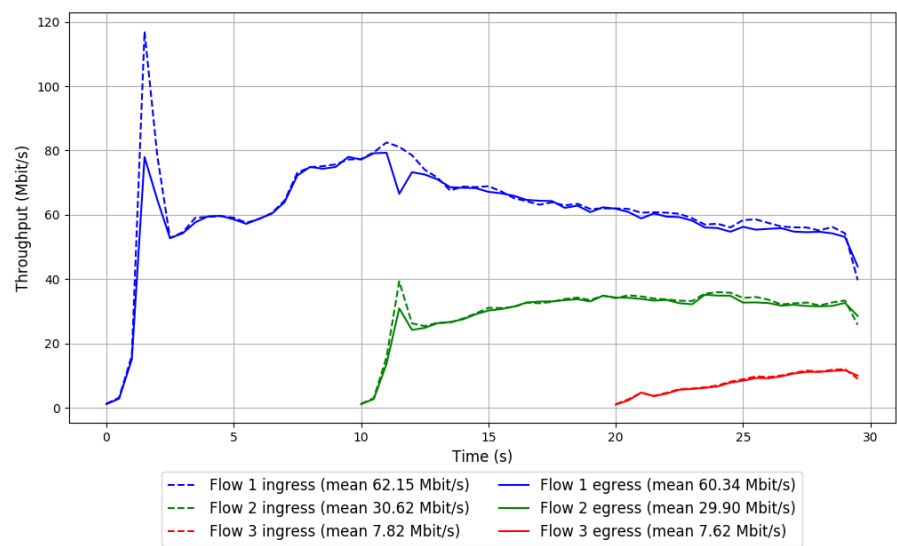
-- Flow 3:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 66.682 ms

Loss rate: 2.45%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-04-11 01:30:14

End at: 2018-04-11 01:30:44

Local clock offset: 0.613 ms

Remote clock offset: 6.275 ms

Below is generated by plot.py at 2018-04-11 03:57:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 60.481 ms

Loss rate: 2.30%

-- Flow 1:

Average throughput: 72.89 Mbit/s

95th percentile per-packet one-way delay: 59.965 ms

Loss rate: 2.26%

-- Flow 2:

Average throughput: 21.25 Mbit/s

95th percentile per-packet one-way delay: 62.518 ms

Loss rate: 2.31%

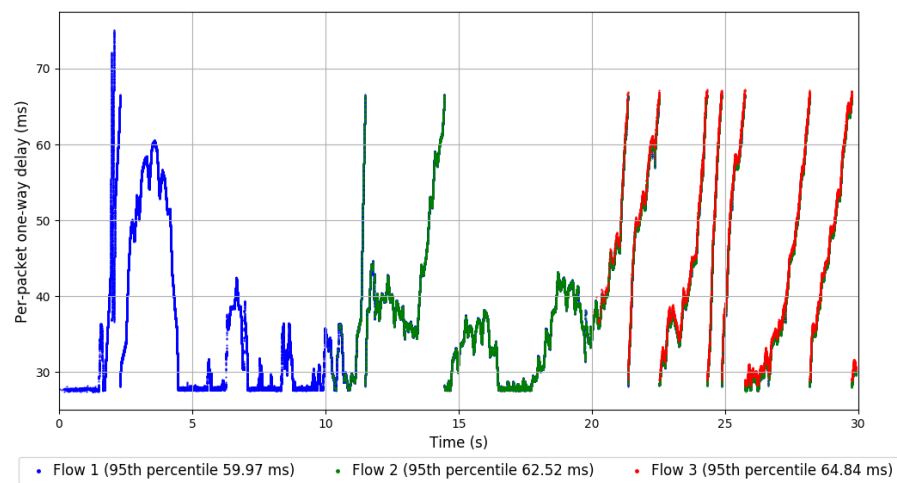
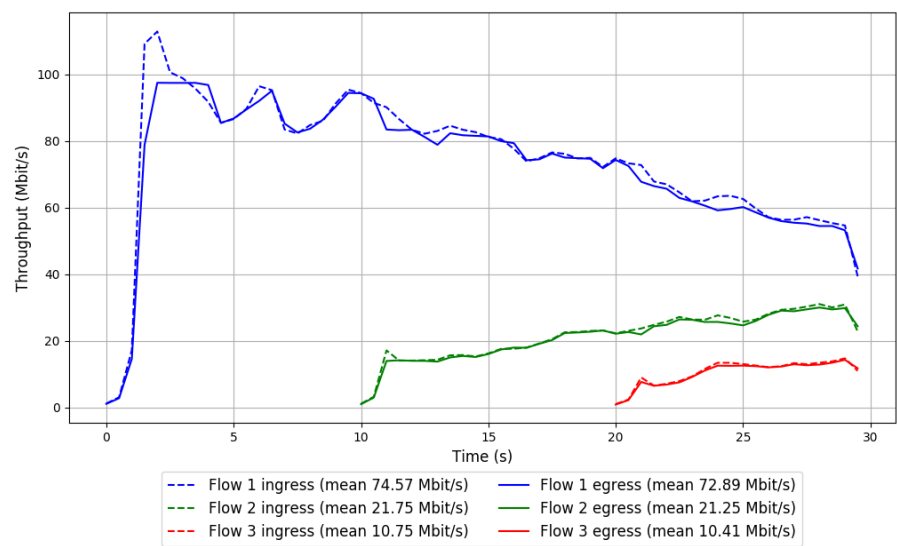
-- Flow 3:

Average throughput: 10.41 Mbit/s

95th percentile per-packet one-way delay: 64.840 ms

Loss rate: 3.23%

Run 7: Report of Vivace-LTE — Data Link

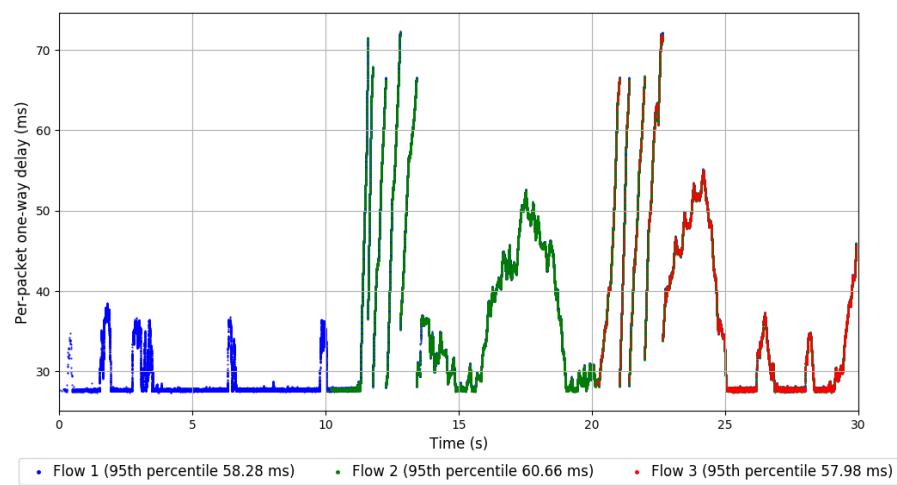
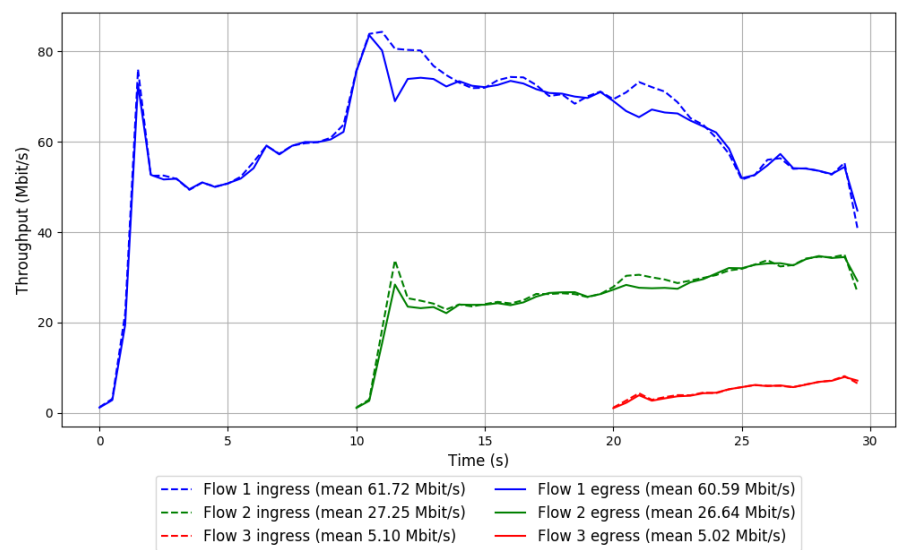


Run 8: Statistics of Vivace-LTE

Start at: 2018-04-11 01:57:01
End at: 2018-04-11 01:57:31
Local clock offset: 0.474 ms
Remote clock offset: 10.531 ms

Below is generated by plot.py at 2018-04-11 03:57:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 59.008 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 58.282 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 60.656 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 57.975 ms
Loss rate: 1.56%

Run 8: Report of Vivace-LTE — Data Link

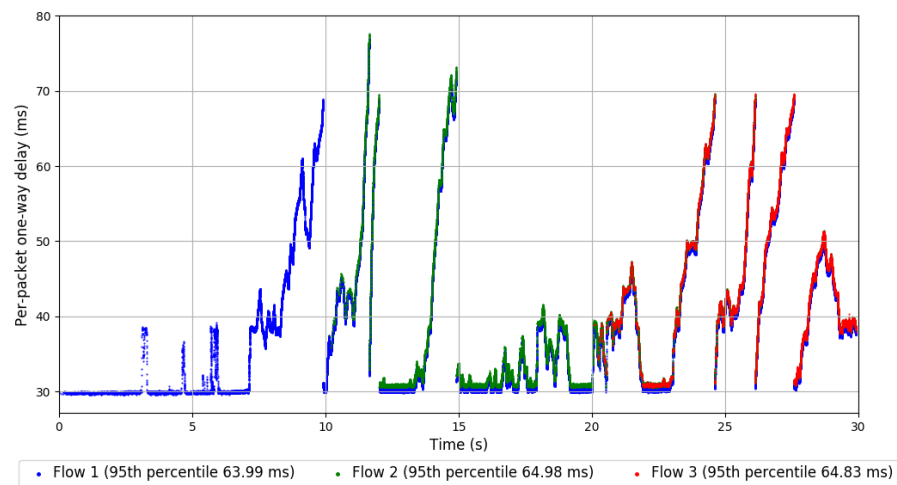
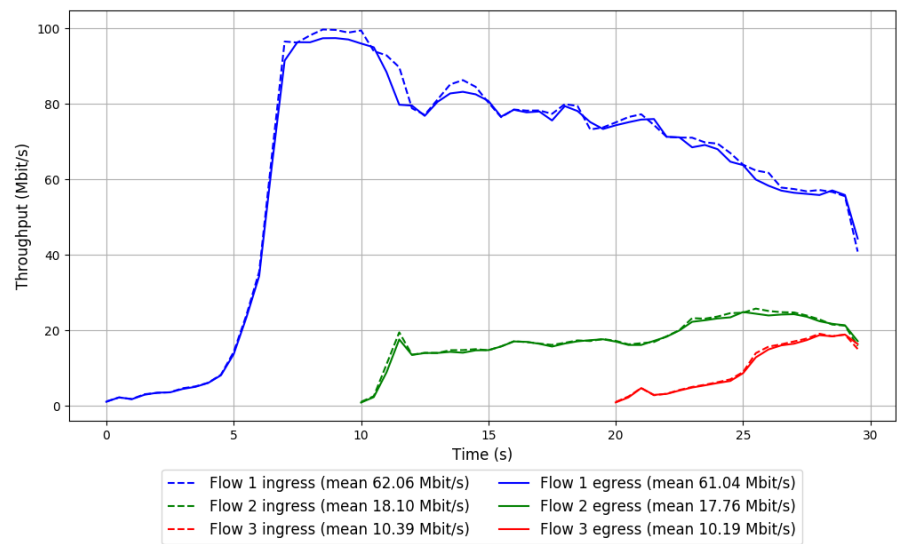


Run 9: Statistics of Vivace-LTE

Start at: 2018-04-11 02:24:12
End at: 2018-04-11 02:24:42
Local clock offset: 0.289 ms
Remote clock offset: -3.168 ms

Below is generated by plot.py at 2018-04-11 03:58:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 64.240 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 63.994 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 17.76 Mbit/s
95th percentile per-packet one-way delay: 64.985 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 64.832 ms
Loss rate: 1.93%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-11 02:51:14

End at: 2018-04-11 02:51:44

Local clock offset: 0.664 ms

Remote clock offset: -7.67 ms

Below is generated by plot.py at 2018-04-11 03:58:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 60.236 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 64.84 Mbit/s

95th percentile per-packet one-way delay: 58.121 ms

Loss rate: 1.40%

-- Flow 2:

Average throughput: 20.89 Mbit/s

95th percentile per-packet one-way delay: 62.167 ms

Loss rate: 1.79%

-- Flow 3:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 63.238 ms

Loss rate: 1.38%

Run 10: Report of Vivace-LTE — Data Link

