

Pantheon Report

Generated at 2018-04-04 00:46:39 (UTC).

Data path: AWS Brazil 1 Ethernet (*local*) → Brazil 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).

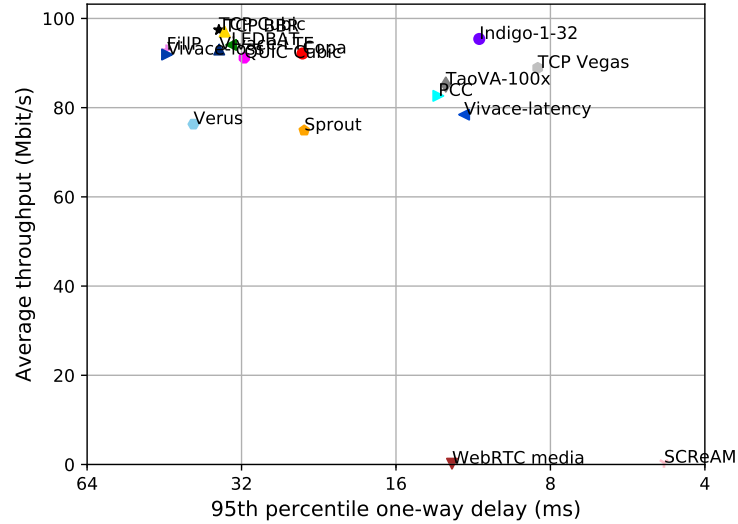
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

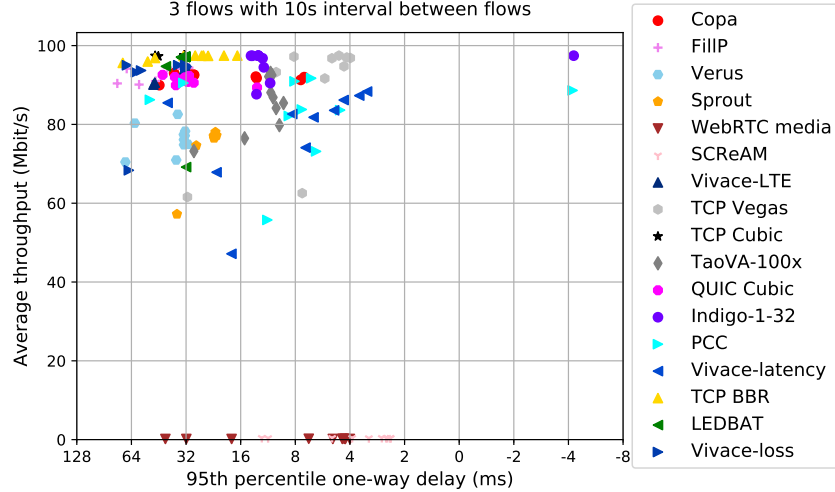
Git summary:

```
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 @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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 Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



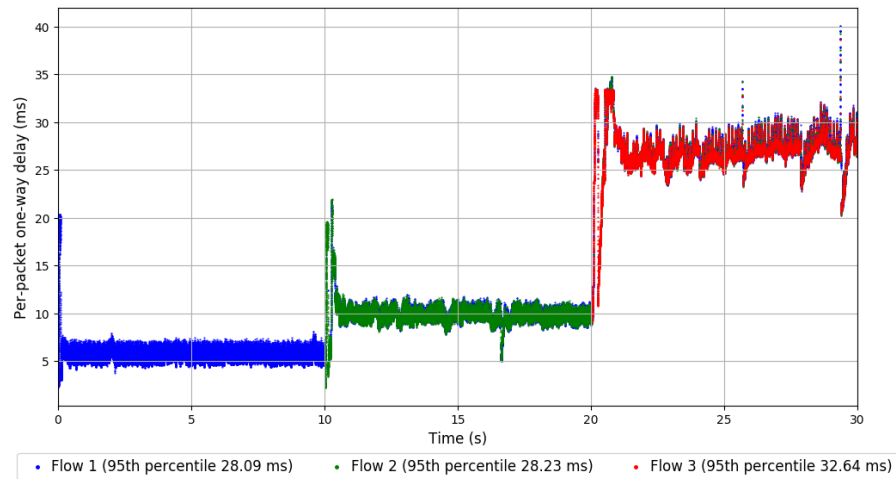
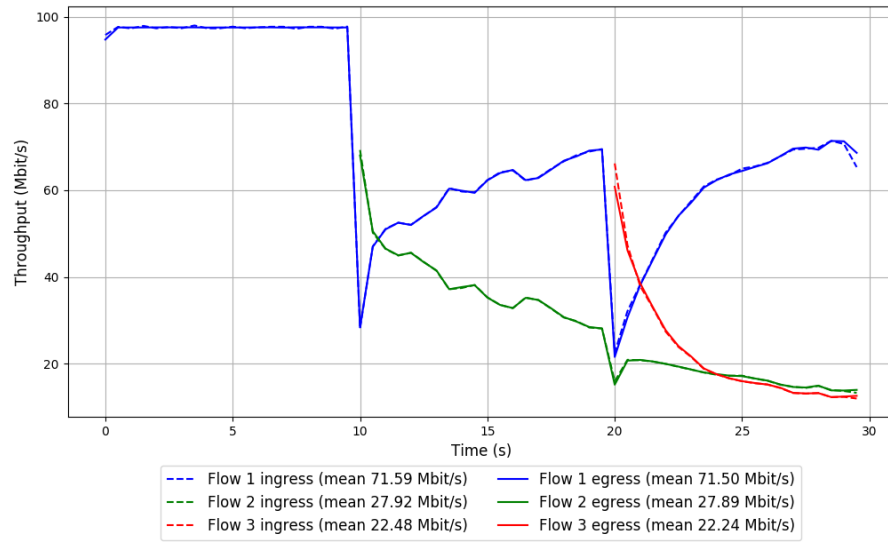
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	63.22	36.25	29.19	27.65	32.45	40.47	0.21	1.02	2.27
TCP Cubic	10	64.22	36.99	25.94	33.66	34.69	36.04	0.03	0.07	0.36
LEDBAT	10	57.22	41.57	27.80	33.40	32.82	32.92	0.26	0.06	0.37
PCC	10	61.41	27.38	9.19	15.52	11.67	15.13	0.61	0.28	0.33
QUIC Cubic	10	59.35	35.14	25.97	30.98	33.43	34.26	0.11	0.29	0.55
SCReAM	10	0.22	0.19	0.22	2.81	4.67	5.85	0.00	0.42	0.00
WebRTC media	10	0.06	0.07	0.05	5.91	6.12	12.39	0.01	0.42	0.74
Sprout	10	40.83	35.66	31.34	22.02	22.98	24.59	0.00	0.43	0.00
TaoVA-100x	10	49.88	35.02	36.08	10.28	11.06	16.41	0.04	0.06	0.74
TCP Vegas	10	49.22	33.89	51.56	10.23	6.40	5.69	0.03	0.23	0.01
Verus	10	46.26	31.95	26.82	36.62	36.28	33.33	14.88	19.12	30.42
Copa	10	61.10	33.04	27.28	20.72	24.60	28.79	0.01	0.26	0.23
FillP	10	49.66	39.77	51.01	32.36	41.30	41.55	10.26	19.39	16.10
Indigo-1-32	10	44.84	45.11	63.55	9.45	11.29	11.63	0.00	0.00	0.22
Vivace-latency	10	51.00	29.79	23.18	6.02	13.59	11.40	0.00	0.29	0.42
Vivace-loss	10	65.32	32.16	15.90	41.35	42.27	36.22	3.53	3.83	2.81
Vivace-LTE	10	62.08	34.02	25.27	33.90	36.42	36.00	0.39	1.37	1.02

Run 1: Statistics of TCP BBR

Start at: 2018-04-03 20:43:53
End at: 2018-04-03 20:44:23
Local clock offset: -6.145 ms
Remote clock offset: -6.893 ms

Below is generated by plot.py at 2018-04-04 00:18:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 28.481 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: 28.092 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 28.229 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 32.641 ms
Loss rate: 0.91%

Run 1: Report of TCP BBR — Data Link

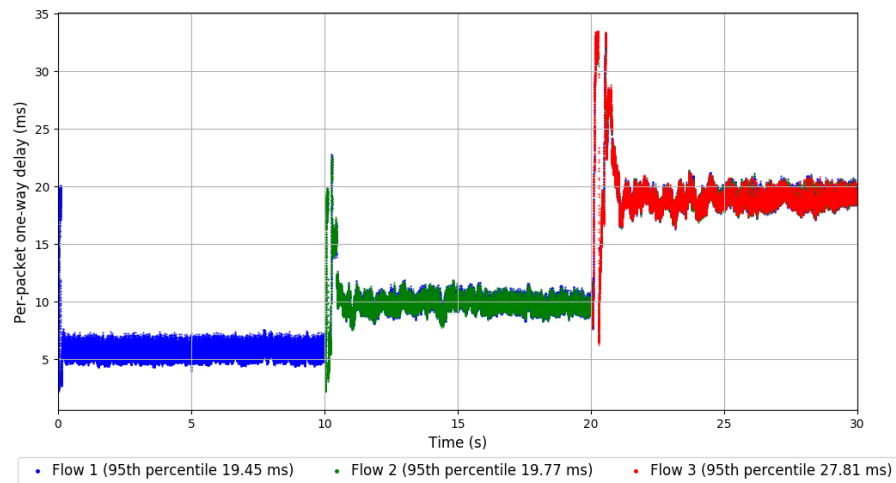
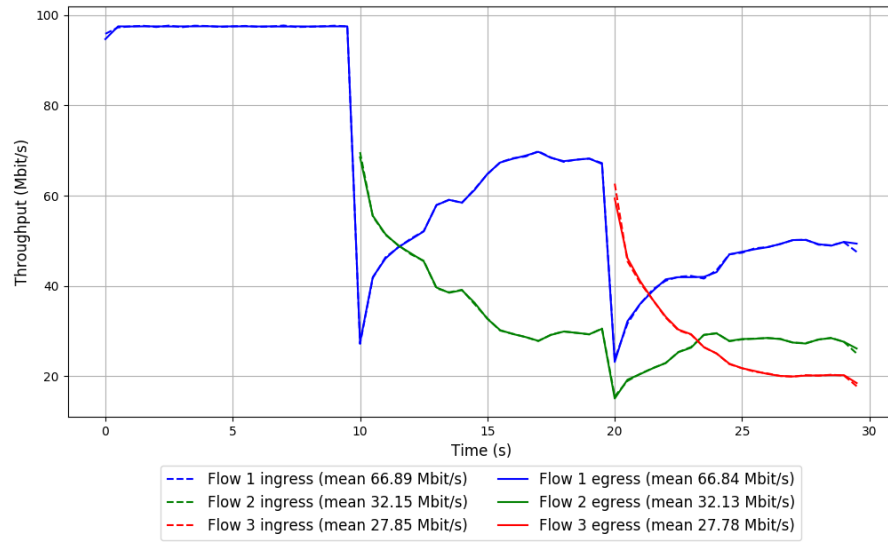


Run 2: Statistics of TCP BBR

Start at: 2018-04-03 21:04:24
End at: 2018-04-03 21:04:54
Local clock offset: -6.693 ms
Remote clock offset: -7.135 ms

Below is generated by plot.py at 2018-04-04 00:18:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 19.784 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 19.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 19.774 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.78 Mbit/s
95th percentile per-packet one-way delay: 27.814 ms
Loss rate: 0.15%

Run 2: Report of TCP BBR — Data Link

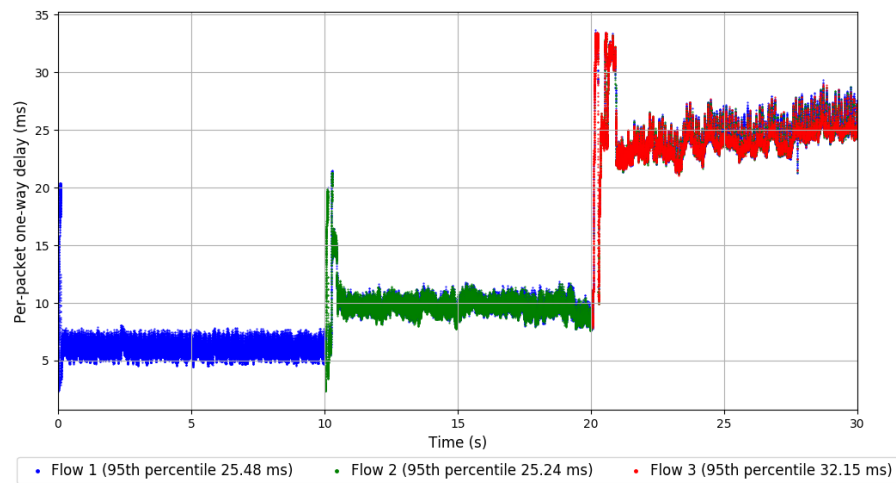
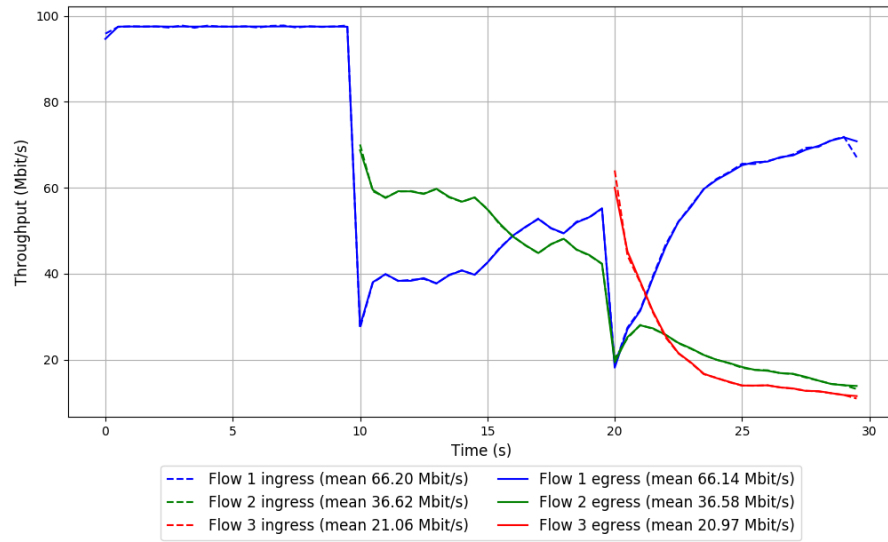


Run 3: Statistics of TCP BBR

Start at: 2018-04-03 21:24:56
End at: 2018-04-03 21:25:26
Local clock offset: -6.384 ms
Remote clock offset: -6.676 ms

Below is generated by plot.py at 2018-04-04 00:18:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 25.691 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.14 Mbit/s
95th percentile per-packet one-way delay: 25.482 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 25.243 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 0.29%

Run 3: Report of TCP BBR — Data Link

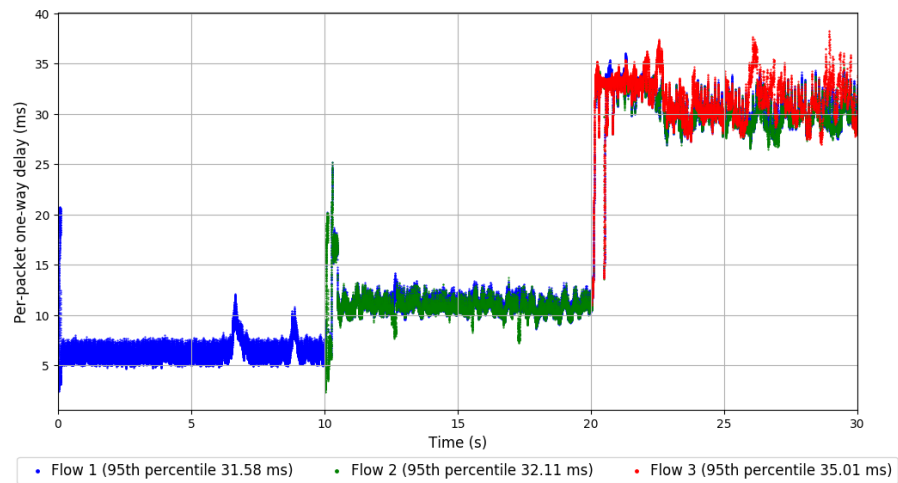
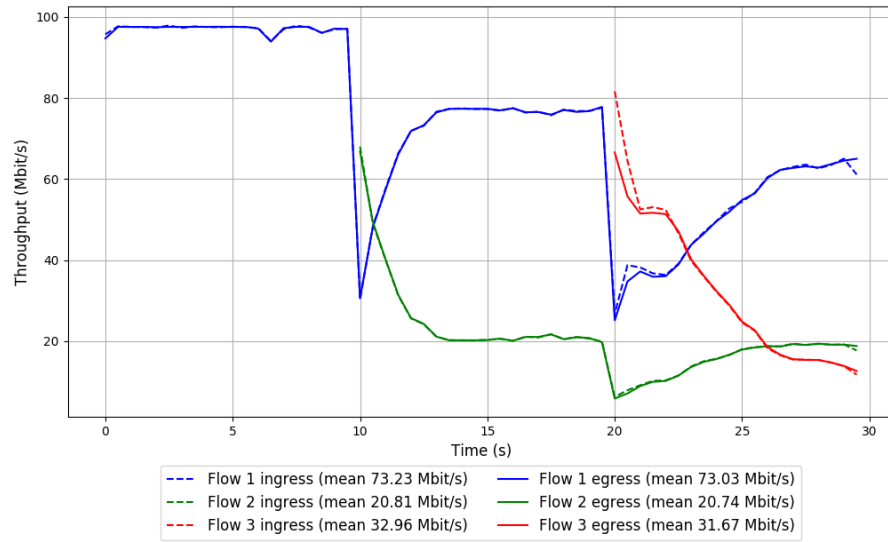


Run 4: Statistics of TCP BBR

Start at: 2018-04-03 21:45:28
End at: 2018-04-03 21:45:58
Local clock offset: -6.244 ms
Remote clock offset: -6.305 ms

Below is generated by plot.py at 2018-04-04 00:18:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 33.056 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 73.03 Mbit/s
95th percentile per-packet one-way delay: 31.581 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 32.107 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 35.014 ms
Loss rate: 3.69%

Run 4: Report of TCP BBR — Data Link

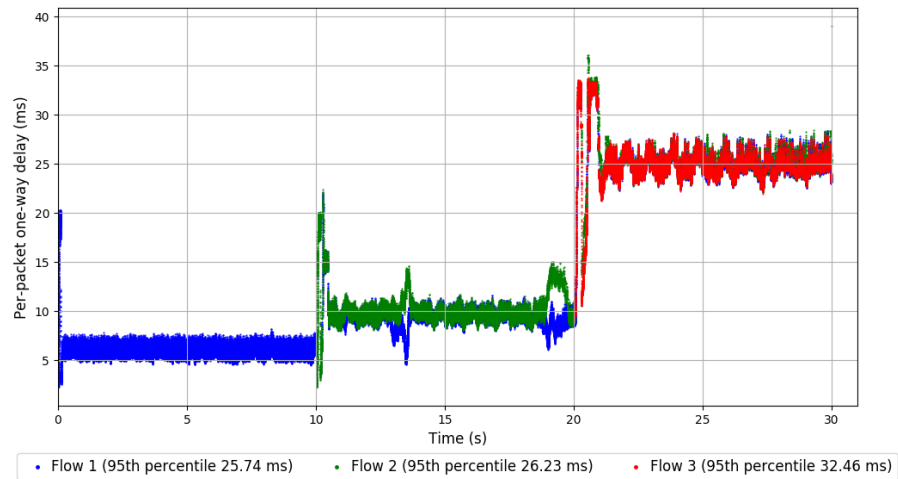
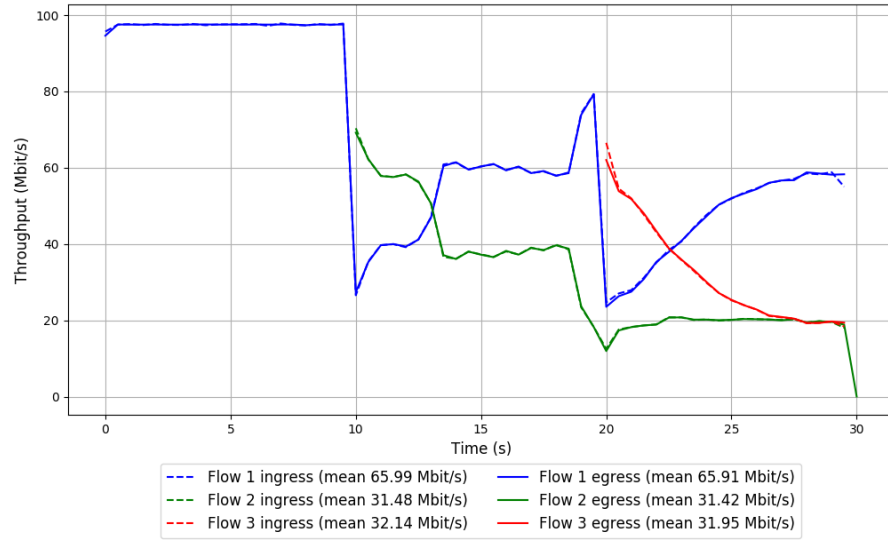


Run 5: Statistics of TCP BBR

Start at: 2018-04-03 22:05:57
End at: 2018-04-03 22:06:27
Local clock offset: -6.435 ms
Remote clock offset: -2.205 ms

Below is generated by plot.py at 2018-04-04 00:18:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 26.268 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 25.740 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 26.233 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 32.462 ms
Loss rate: 0.43%

Run 5: Report of TCP BBR — Data Link

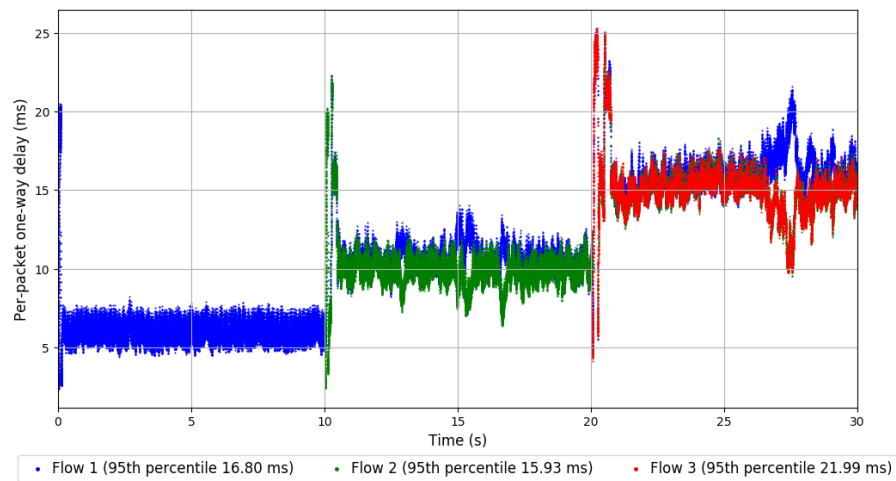
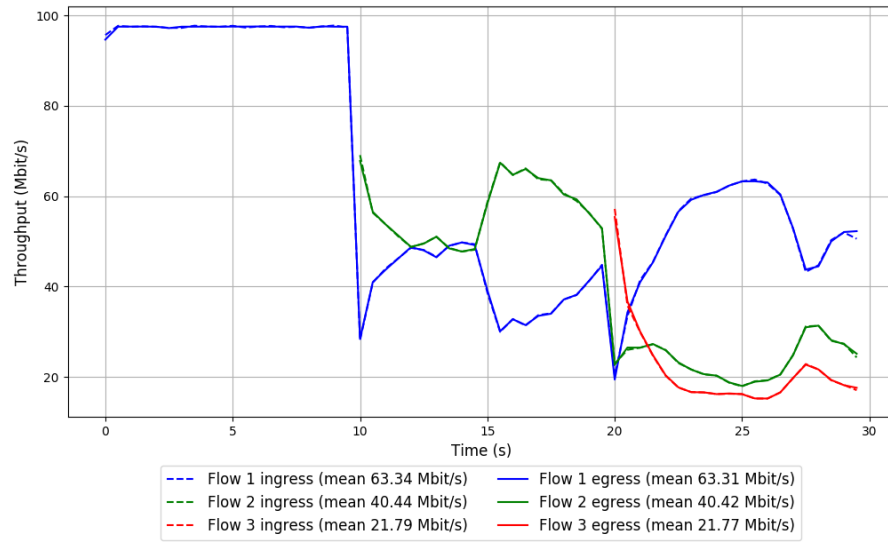


Run 6: Statistics of TCP BBR

Start at: 2018-04-03 22:26:29
End at: 2018-04-03 22:26:59
Local clock offset: -6.14 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-04-04 00:18:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 16.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 16.802 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 15.927 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.77 Mbit/s
95th percentile per-packet one-way delay: 21.991 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

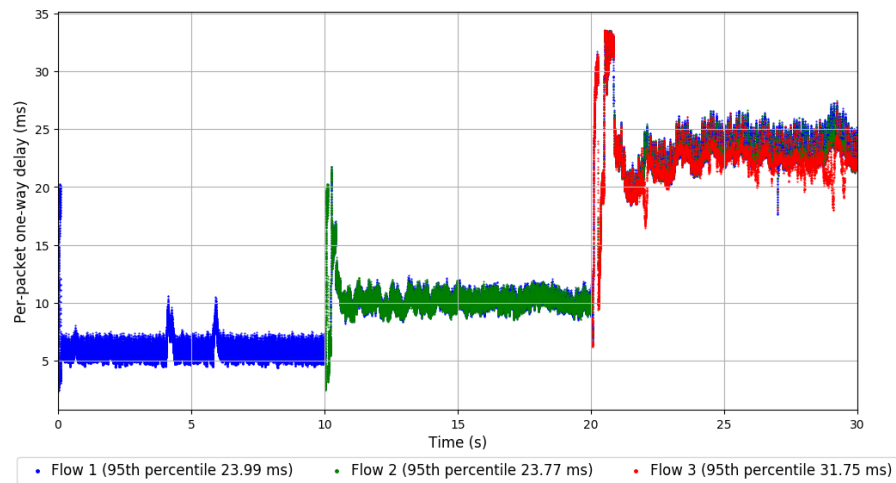
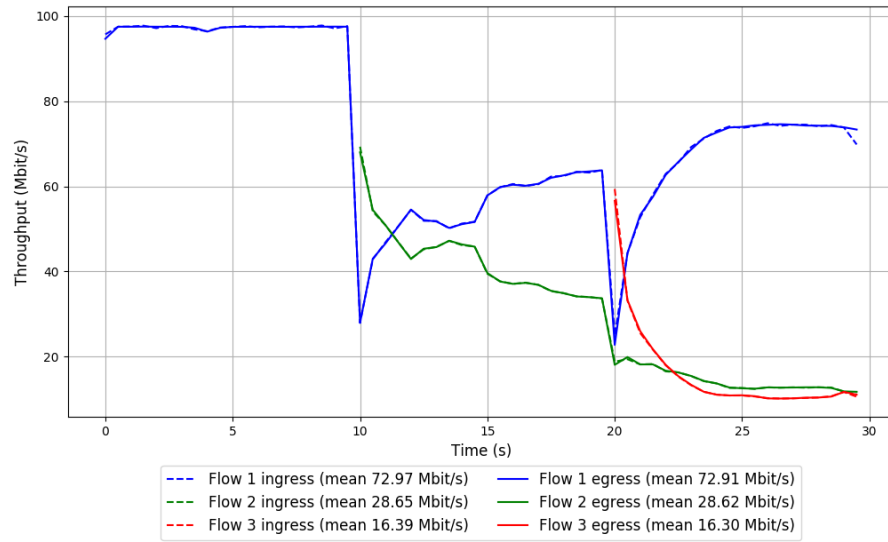


Run 7: Statistics of TCP BBR

Start at: 2018-04-03 22:46:59
End at: 2018-04-03 22:47:29
Local clock offset: -5.783 ms
Remote clock offset: -1.297 ms

Below is generated by plot.py at 2018-04-04 00:18:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 24.191 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 72.91 Mbit/s
95th percentile per-packet one-way delay: 23.988 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 23.767 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 31.745 ms
Loss rate: 0.40%

Run 7: Report of TCP BBR — Data Link

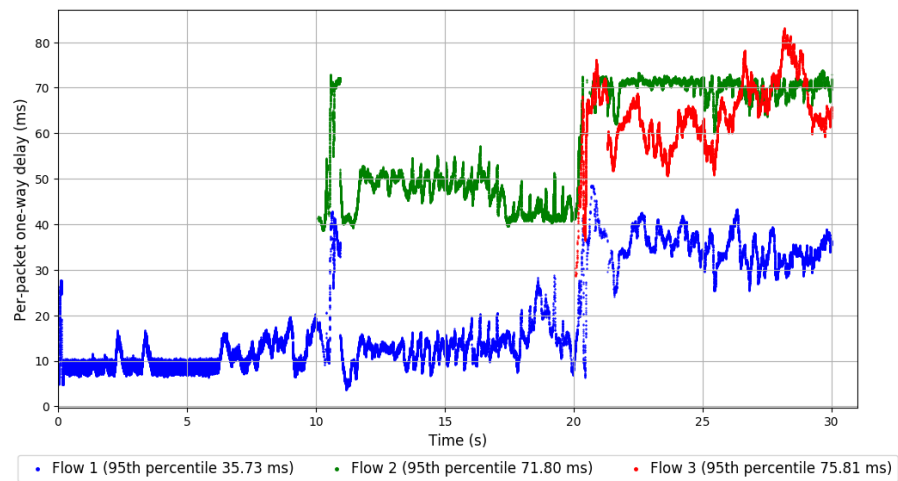
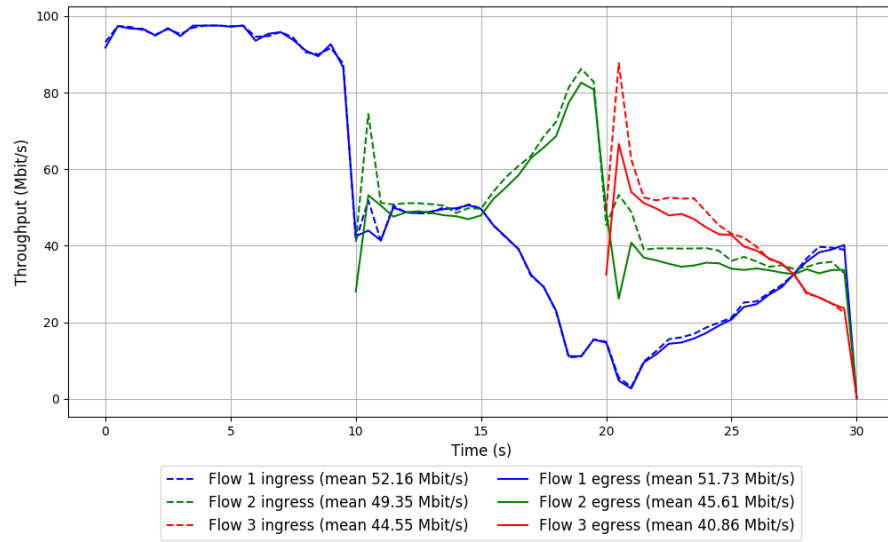


Run 8: Statistics of TCP BBR

Start at: 2018-04-03 23:07:30
End at: 2018-04-03 23:08:00
Local clock offset: -5.36 ms
Remote clock offset: -4.489 ms

Below is generated by plot.py at 2018-04-04 00:18:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 71.463 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 35.731 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 45.61 Mbit/s
95th percentile per-packet one-way delay: 71.795 ms
Loss rate: 7.57%
-- Flow 3:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 75.806 ms
Loss rate: 8.19%

Run 8: Report of TCP BBR — Data Link

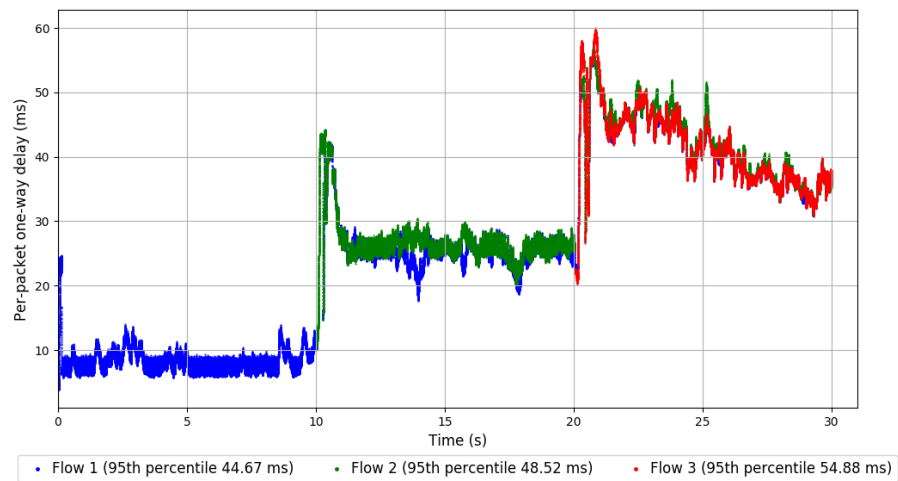
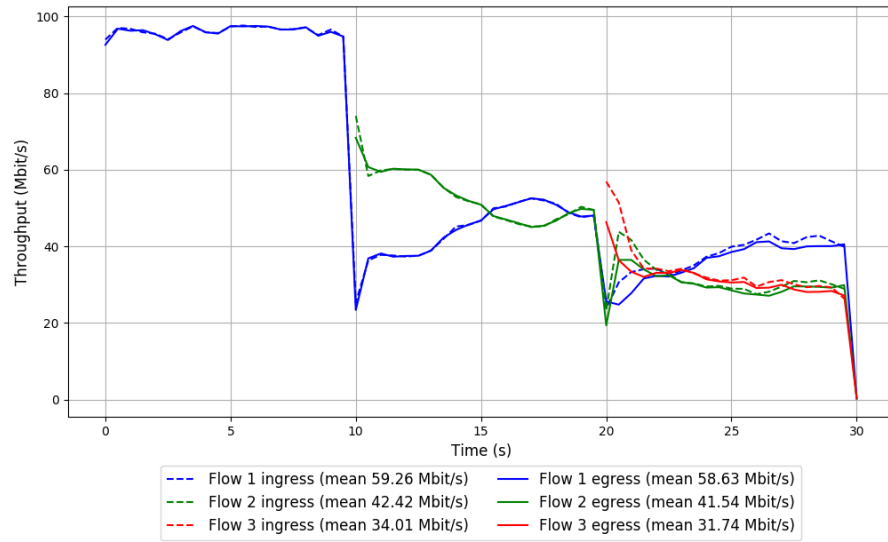


Run 9: Statistics of TCP BBR

Start at: 2018-04-03 23:28:04
End at: 2018-04-03 23:28:34
Local clock offset: -5.164 ms
Remote clock offset: -8.313 ms

Below is generated by plot.py at 2018-04-04 00:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 47.486 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 44.673 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 48.522 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 54.875 ms
Loss rate: 6.58%

Run 9: Report of TCP BBR — Data Link

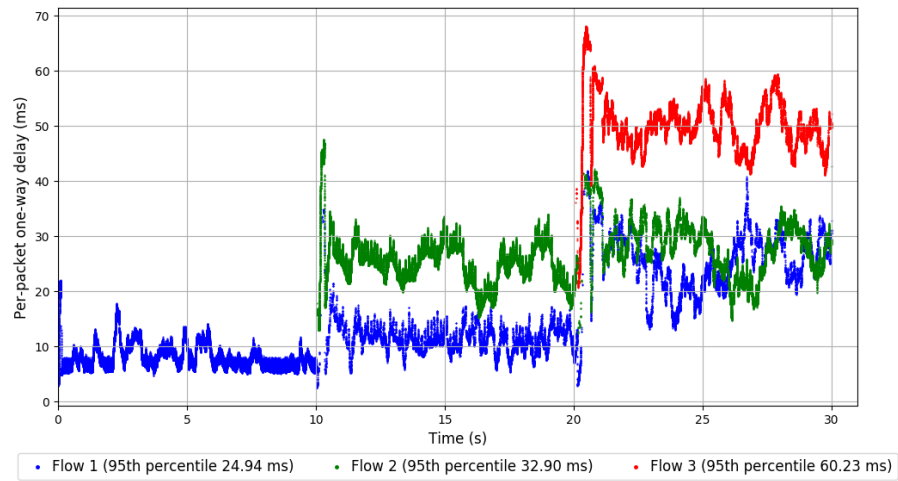
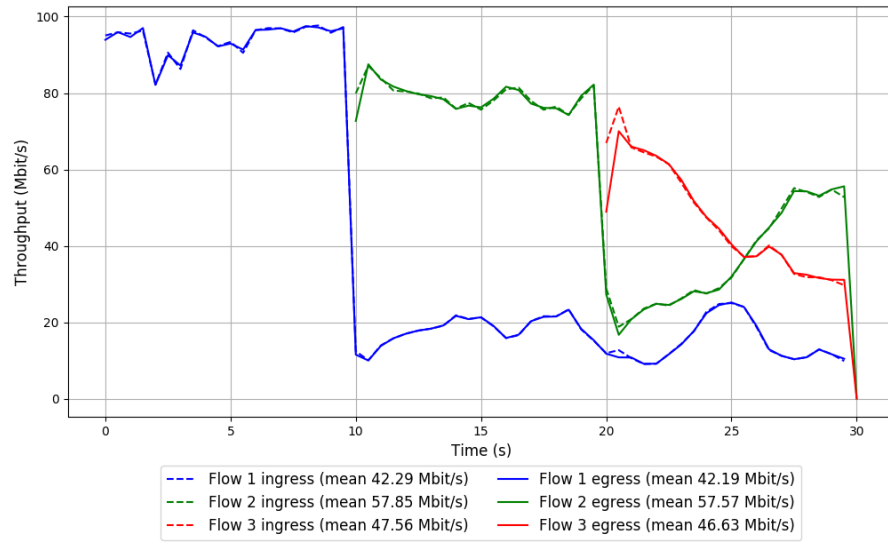


Run 10: Statistics of TCP BBR

Start at: 2018-04-03 23:48:39
End at: 2018-04-03 23:49:09
Local clock offset: -6.186 ms
Remote clock offset: -7.178 ms

Below is generated by plot.py at 2018-04-04 00:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 52.072 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 42.19 Mbit/s
95th percentile per-packet one-way delay: 24.940 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 32.899 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 60.232 ms
Loss rate: 2.03%

Run 10: Report of TCP BBR — Data Link

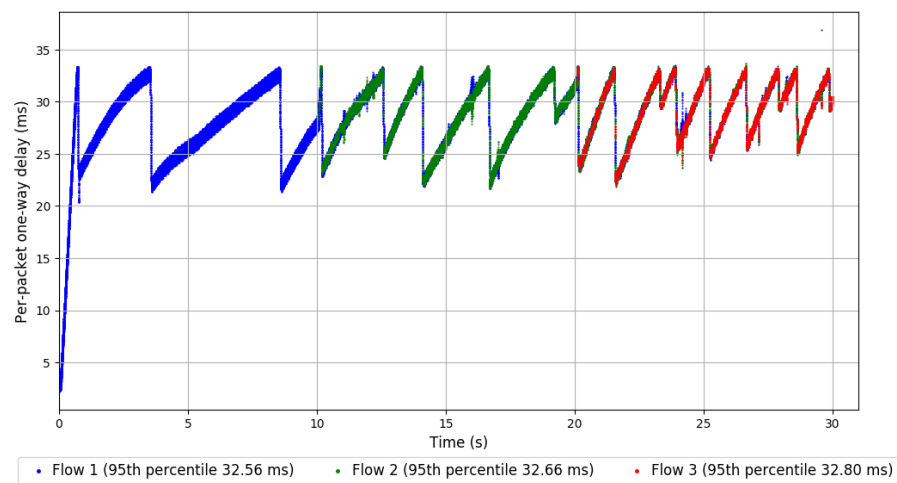
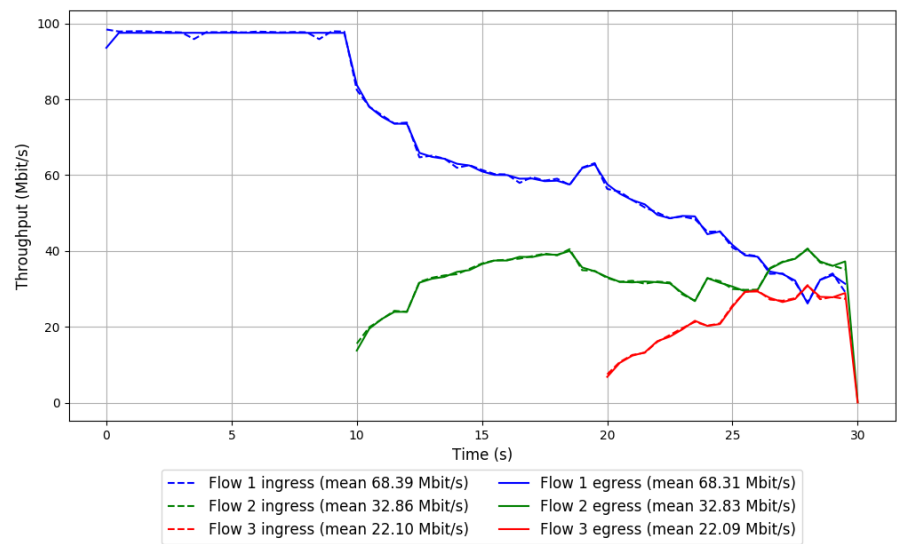


Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 20:27:54
End at: 2018-04-03 20:28:24
Local clock offset: -5.723 ms
Remote clock offset: -6.927 ms

Below is generated by plot.py at 2018-04-04 00:20:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.621 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 32.557 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 32.659 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 32.801 ms
Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link

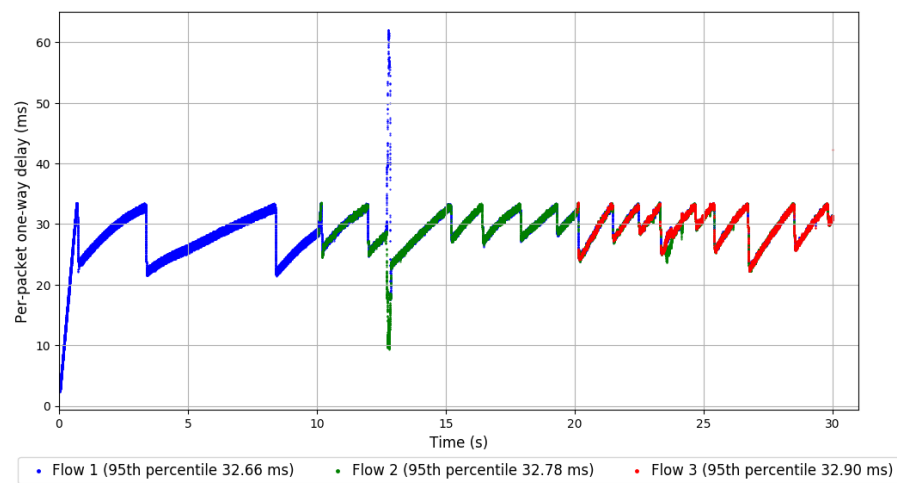
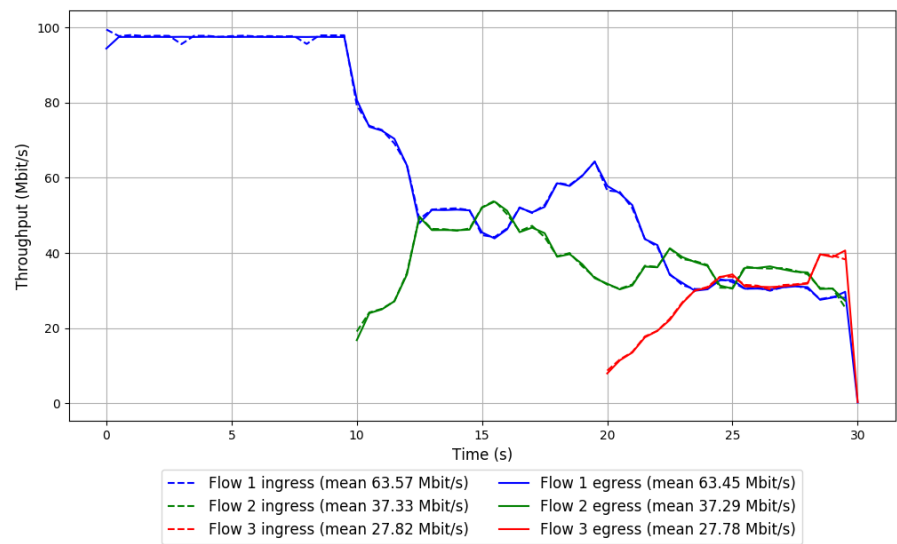


Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 20:48:23
End at: 2018-04-03 20:48:53
Local clock offset: -6.454 ms
Remote clock offset: -6.974 ms

Below is generated by plot.py at 2018-04-04 00:20:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 32.748 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 32.664 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 32.779 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 27.78 Mbit/s
95th percentile per-packet one-way delay: 32.902 ms
Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link

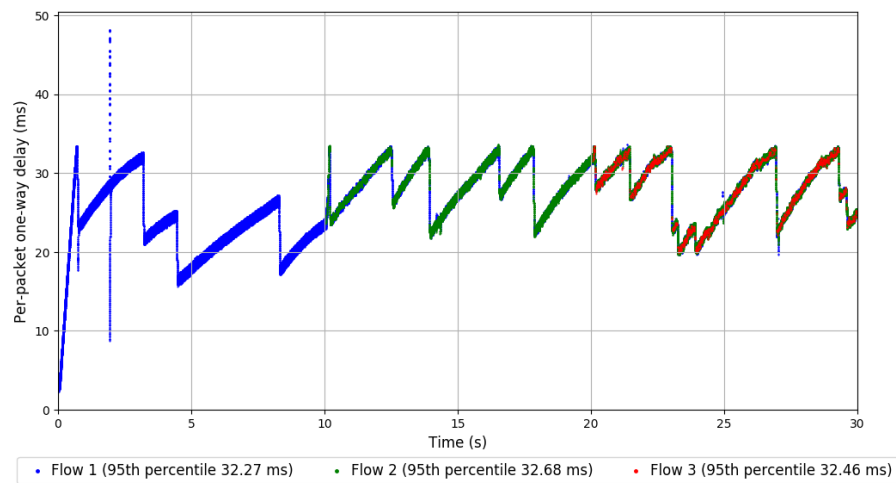
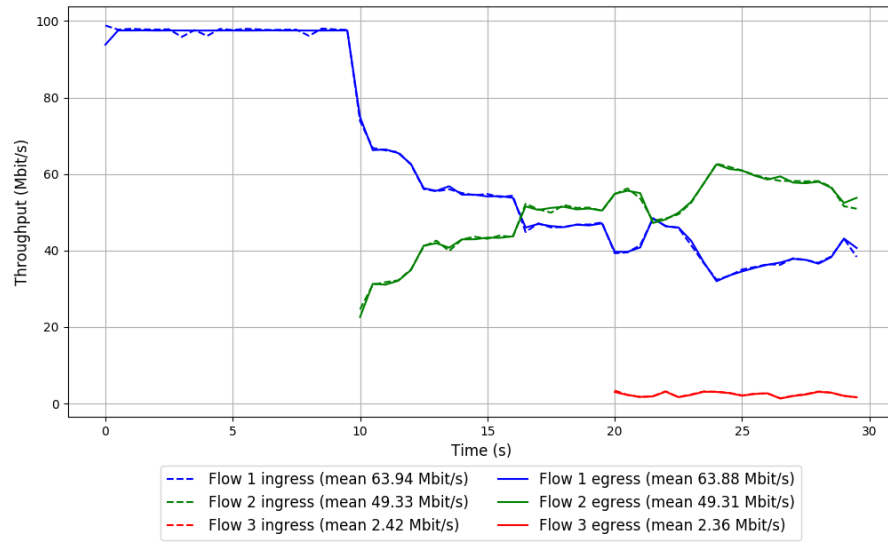


Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 21:08:54
End at: 2018-04-03 21:09:24
Local clock offset: -6.736 ms
Remote clock offset: -7.09 ms

Below is generated by plot.py at 2018-04-04 00:20:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.450 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.88 Mbit/s
95th percentile per-packet one-way delay: 32.270 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 32.676 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 32.456 ms
Loss rate: 2.64%

Run 3: Report of TCP Cubic — Data Link

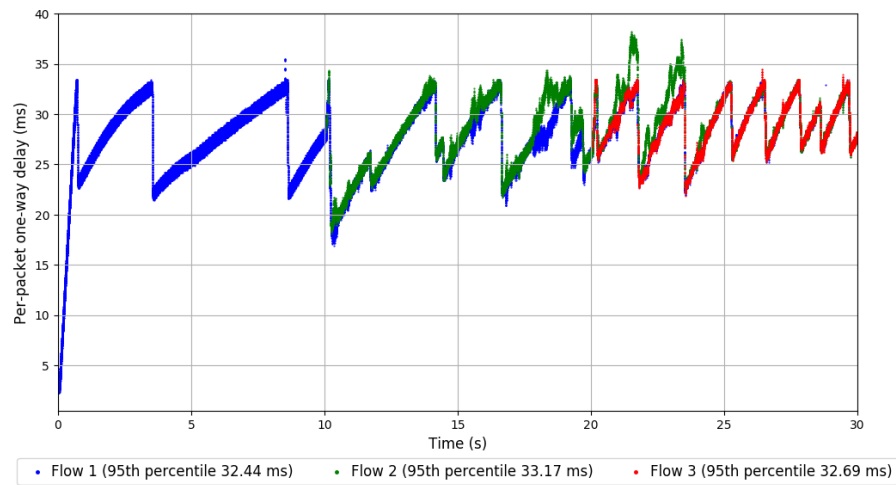
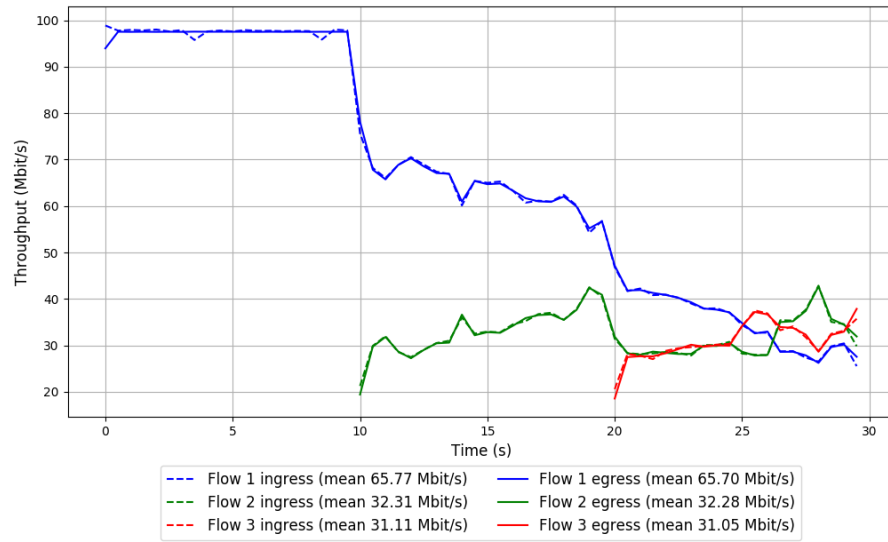


Run 4: Statistics of TCP Cubic

Start at: 2018-04-03 21:29:26
End at: 2018-04-03 21:29:56
Local clock offset: -6.303 ms
Remote clock offset: -6.533 ms

Below is generated by plot.py at 2018-04-04 00:20:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.668 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 32.436 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 33.168 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 0.17%

Run 4: Report of TCP Cubic — Data Link

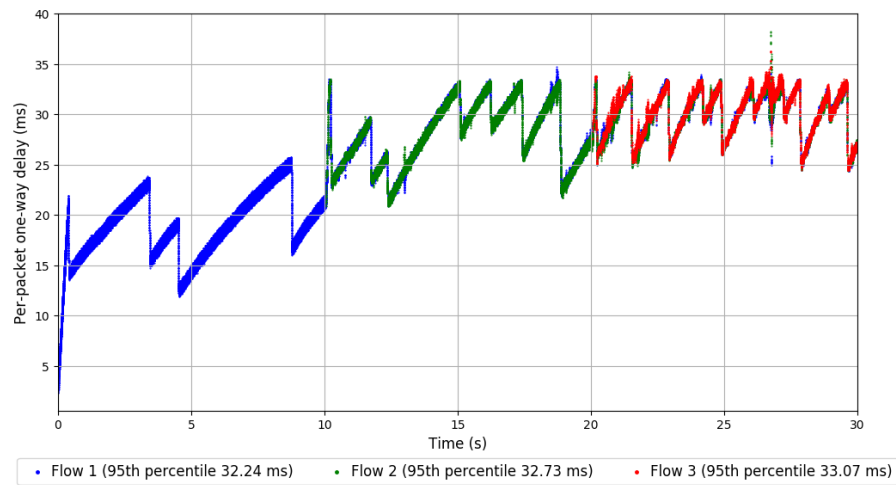
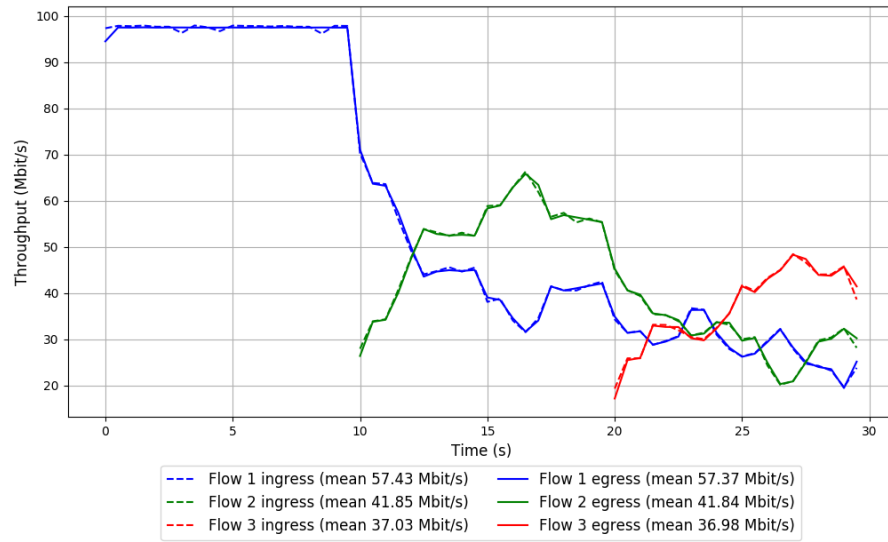


Run 5: Statistics of TCP Cubic

Start at: 2018-04-03 21:49:58
End at: 2018-04-03 21:50:28
Local clock offset: -6.372 ms
Remote clock offset: -6.317 ms

Below is generated by plot.py at 2018-04-04 00:20:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.707 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 32.244 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 32.731 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 33.073 ms
Loss rate: 0.13%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-03 22:10:27

End at: 2018-04-03 22:10:57

Local clock offset: -6.449 ms

Remote clock offset: -1.6 ms

Below is generated by plot.py at 2018-04-04 00:20:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.657 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 59.55 Mbit/s

95th percentile per-packet one-way delay: 32.561 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 45.15 Mbit/s

95th percentile per-packet one-way delay: 32.794 ms

Loss rate: 0.02%

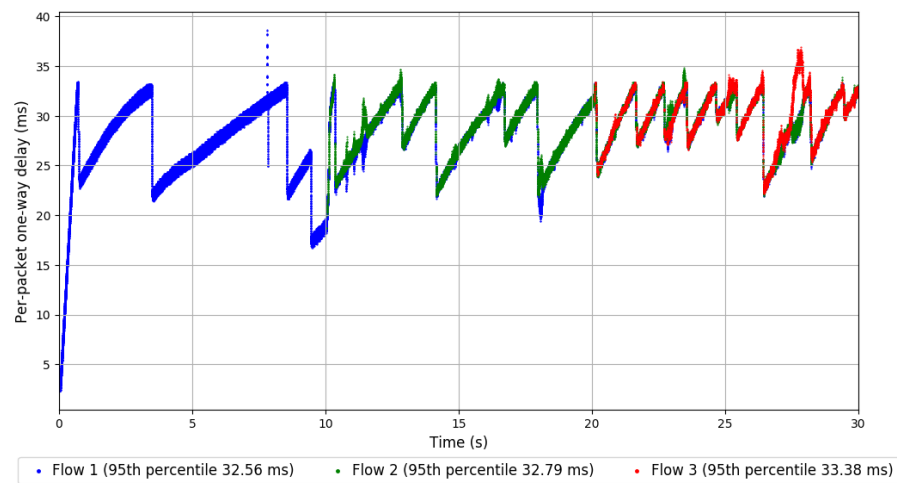
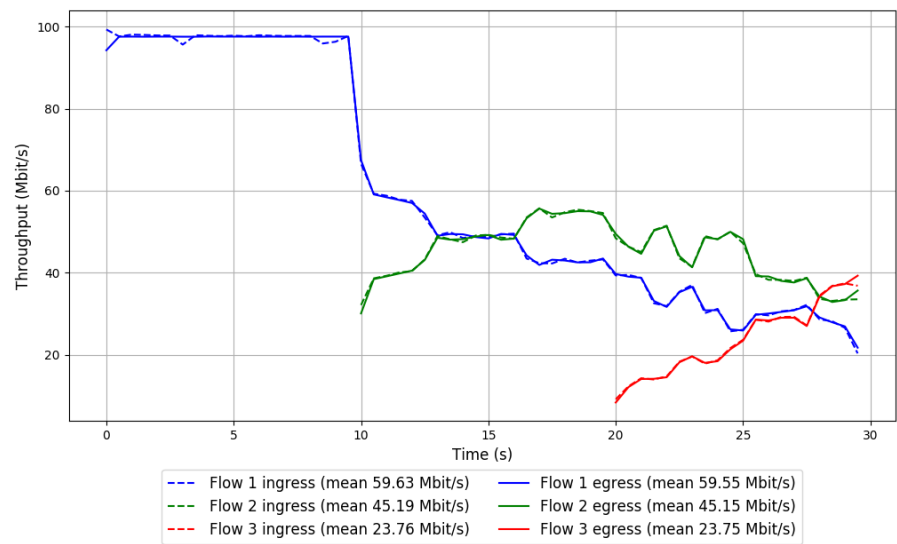
-- Flow 3:

Average throughput: 23.75 Mbit/s

95th percentile per-packet one-way delay: 33.377 ms

Loss rate: 0.04%

Run 6: Report of TCP Cubic — Data Link

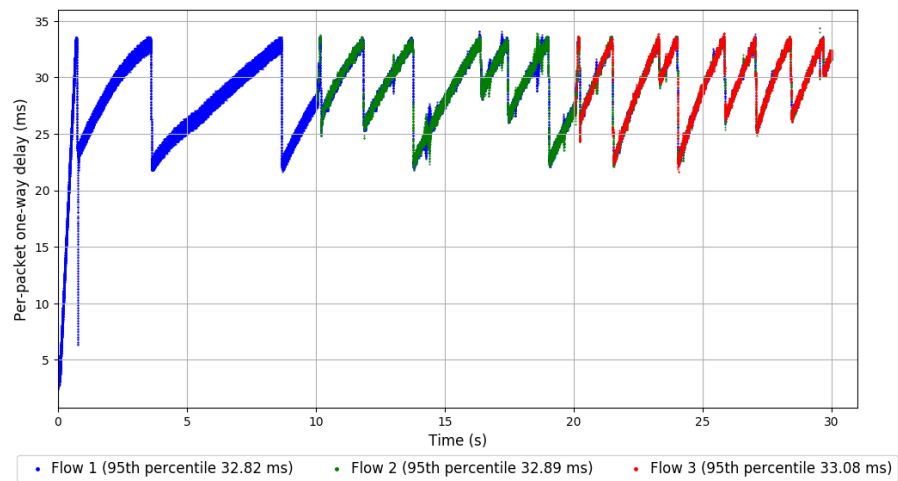
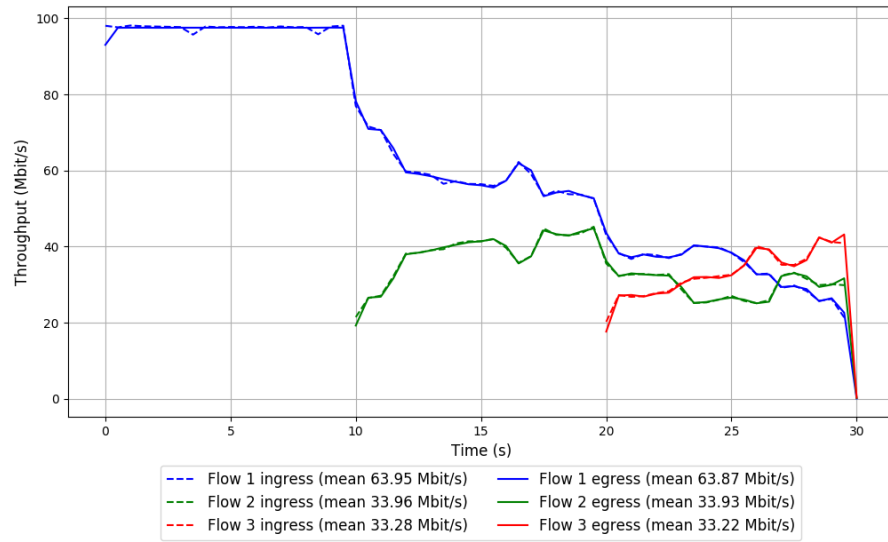


Run 7: Statistics of TCP Cubic

Start at: 2018-04-03 22:30:59
End at: 2018-04-03 22:31:29
Local clock offset: -6.082 ms
Remote clock offset: -0.886 ms

Below is generated by plot.py at 2018-04-04 00:21:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 32.863 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 63.87 Mbit/s
95th percentile per-packet one-way delay: 32.817 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.93 Mbit/s
95th percentile per-packet one-way delay: 32.890 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 33.078 ms
Loss rate: 0.16%

Run 7: Report of TCP Cubic — Data Link

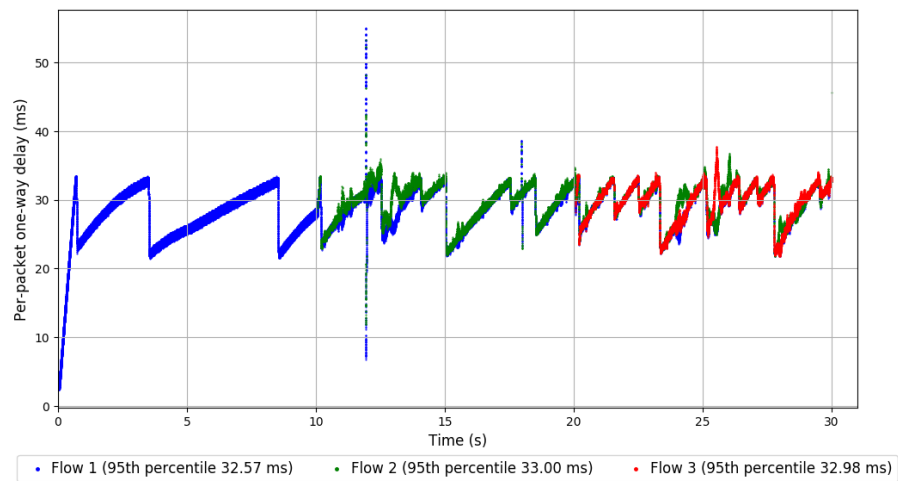
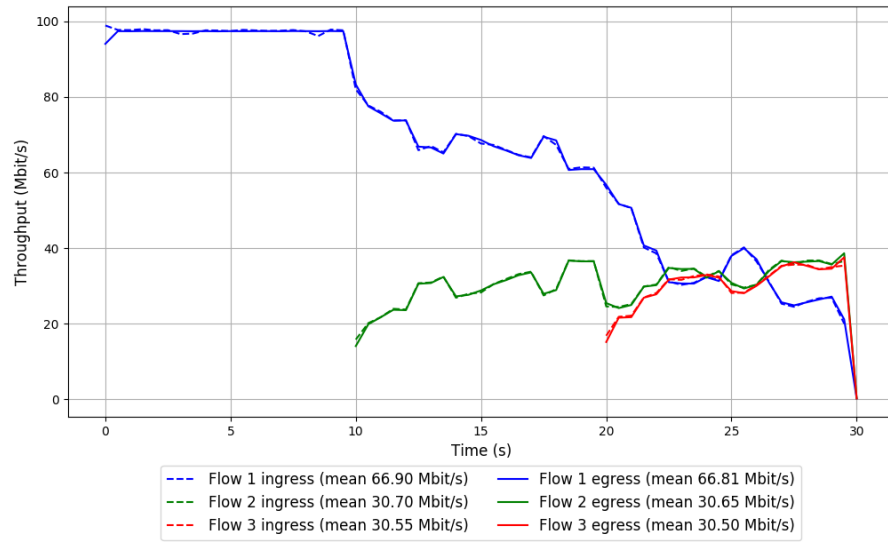


Run 8: Statistics of TCP Cubic

Start at: 2018-04-03 22:51:29
End at: 2018-04-03 22:51:59
Local clock offset: -5.689 ms
Remote clock offset: -1.223 ms

Below is generated by plot.py at 2018-04-04 00:21:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 32.738 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 66.81 Mbit/s
95th percentile per-packet one-way delay: 32.573 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 32.999 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 32.976 ms
Loss rate: 0.13%

Run 8: Report of TCP Cubic — Data Link

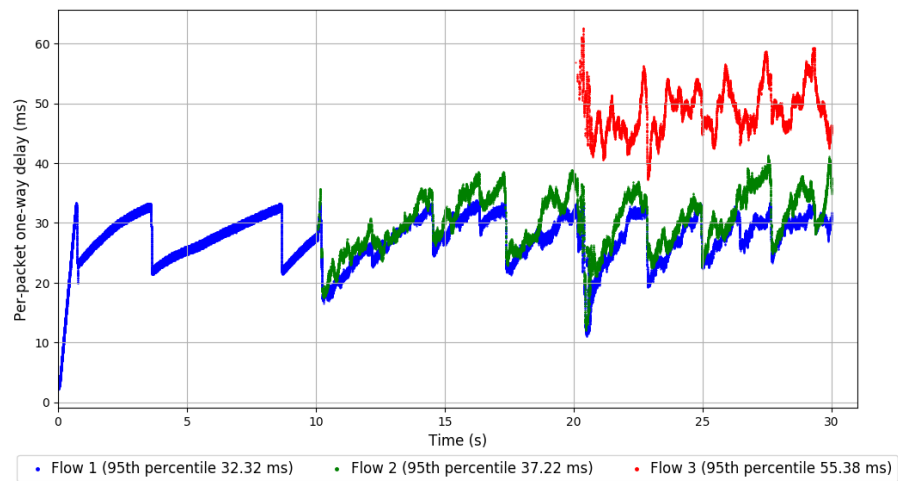
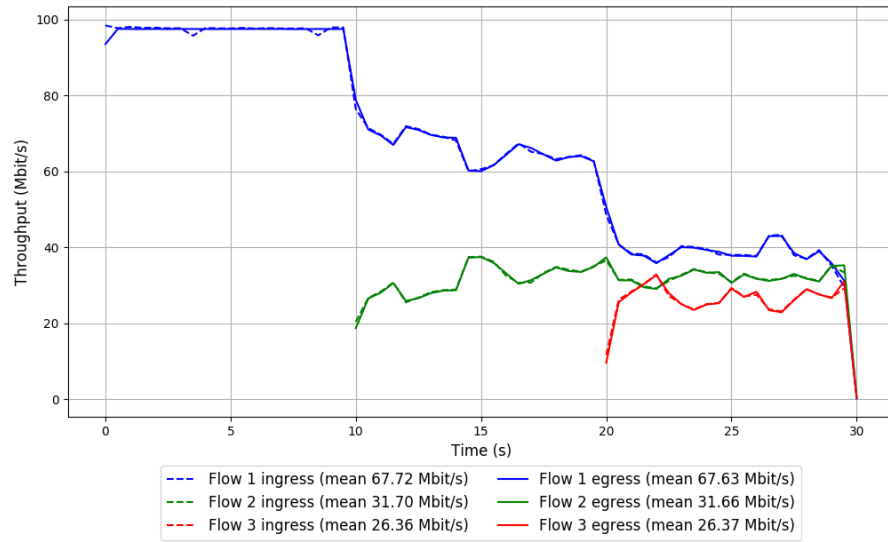


Run 9: Statistics of TCP Cubic

Start at: 2018-04-03 23:12:00
End at: 2018-04-03 23:12:30
Local clock offset: -5.105 ms
Remote clock offset: -5.802 ms

Below is generated by plot.py at 2018-04-04 00:21:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 47.360 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 32.316 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 37.220 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 26.37 Mbit/s
95th percentile per-packet one-way delay: 55.385 ms
Loss rate: 0.19%

Run 9: Report of TCP Cubic — Data Link

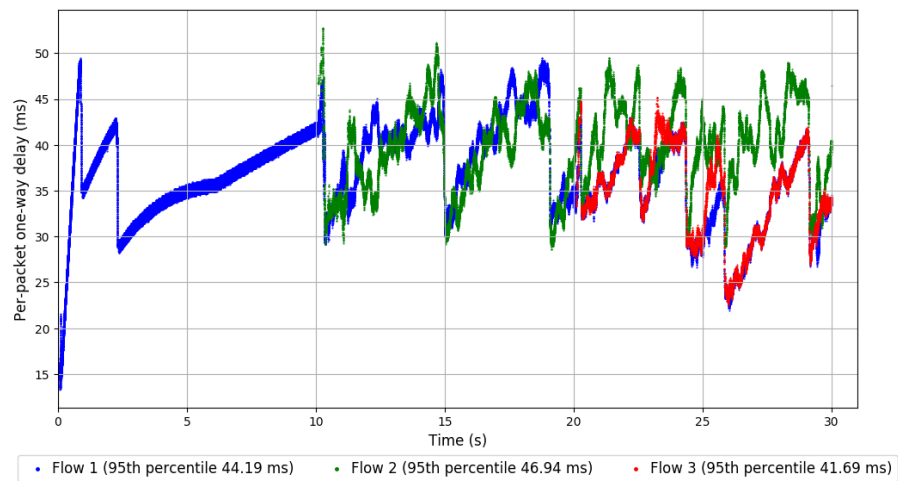
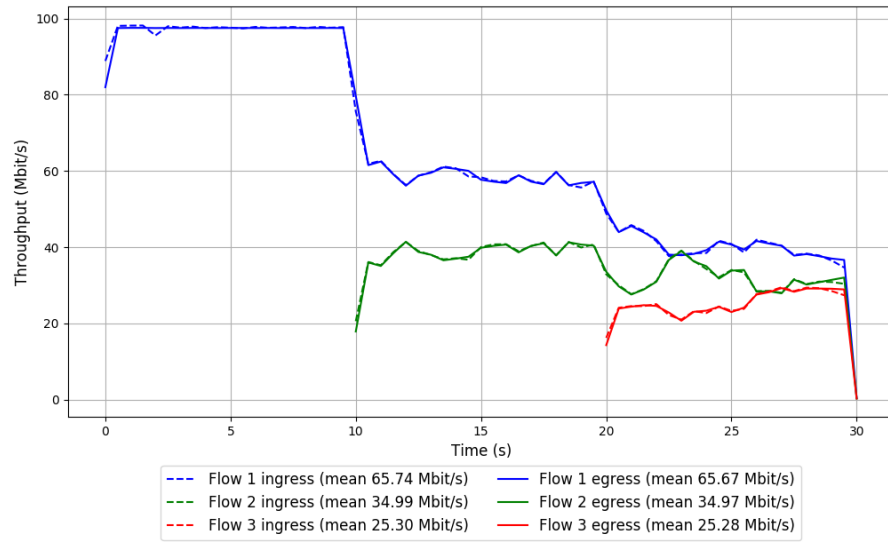


Run 10: Statistics of TCP Cubic

Start at: 2018-04-03 23:32:34
End at: 2018-04-03 23:33:04
Local clock offset: -5.584 ms
Remote clock offset: -8.752 ms

Below is generated by plot.py at 2018-04-04 00:21:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 45.486 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 65.67 Mbit/s
95th percentile per-packet one-way delay: 44.187 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 46.936 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 41.692 ms
Loss rate: 0.09%

Run 10: Report of TCP Cubic — Data Link

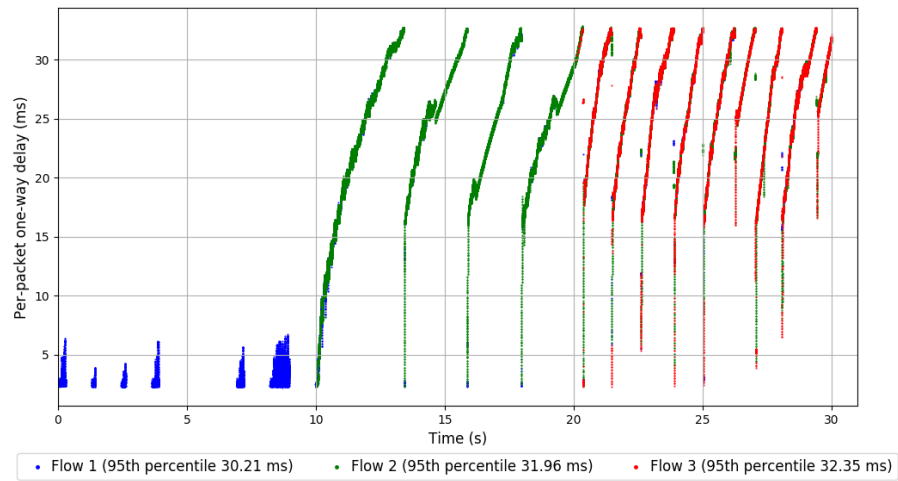
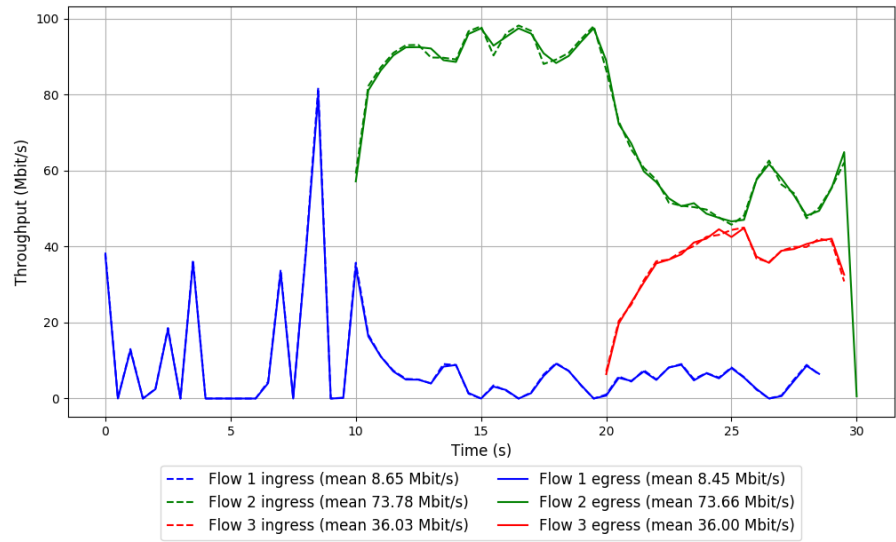


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-03 20:40:28
End at: 2018-04-03 20:40:58
Local clock offset: -5.93 ms
Remote clock offset: -6.906 ms

# Below is generated by plot.py at 2018-04-04 00:21:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 31.982 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 30.207 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 73.66 Mbit/s
95th percentile per-packet one-way delay: 31.958 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 32.351 ms
Loss rate: 0.05%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-04-03 21:00:58

End at: 2018-04-03 21:01:28

Local clock offset: -6.661 ms

Remote clock offset: -7.15 ms

Below is generated by plot.py at 2018-04-04 00:21:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 32.235 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 63.96 Mbit/s

95th percentile per-packet one-way delay: 32.097 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 36.03 Mbit/s

95th percentile per-packet one-way delay: 32.318 ms

Loss rate: 0.06%

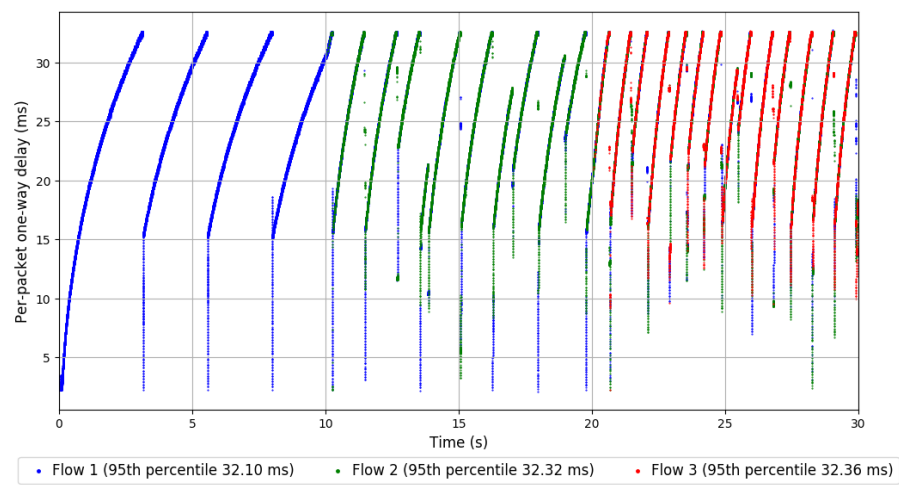
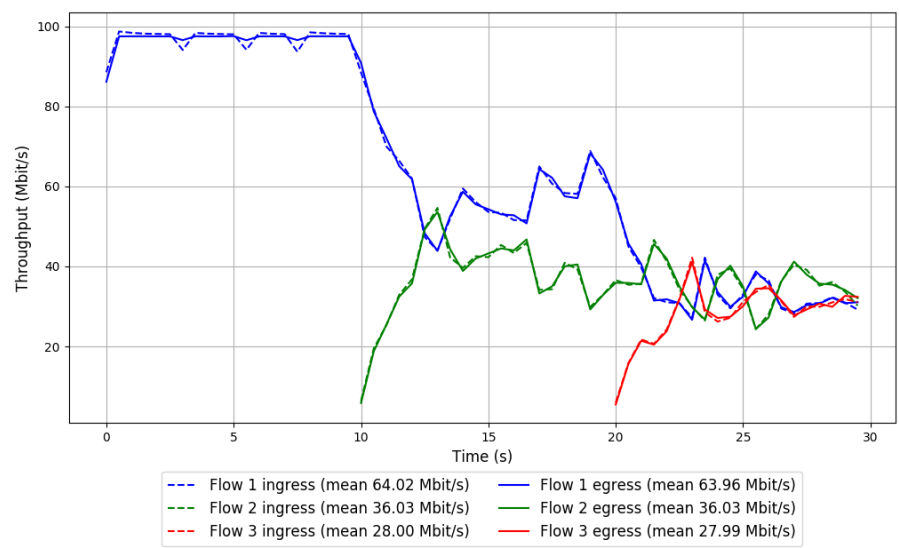
-- Flow 3:

Average throughput: 27.99 Mbit/s

95th percentile per-packet one-way delay: 32.358 ms

Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link

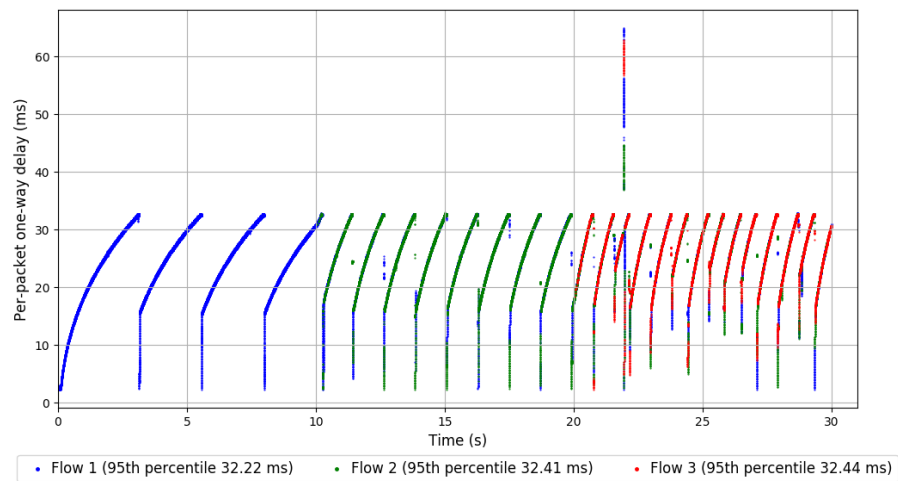
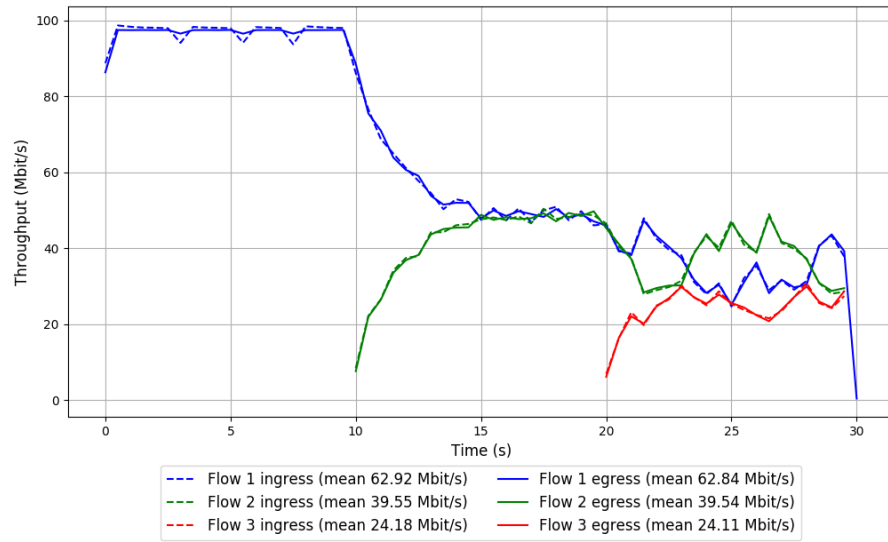


Run 3: Statistics of LEDBAT

Start at: 2018-04-03 21:21:30
End at: 2018-04-03 21:22:00
Local clock offset: -6.427 ms
Remote clock offset: -6.834 ms

Below is generated by plot.py at 2018-04-04 00:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 32.380 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 32.217 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 32.409 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 32.441 ms
Loss rate: 0.13%

Run 3: Report of LEDBAT — Data Link

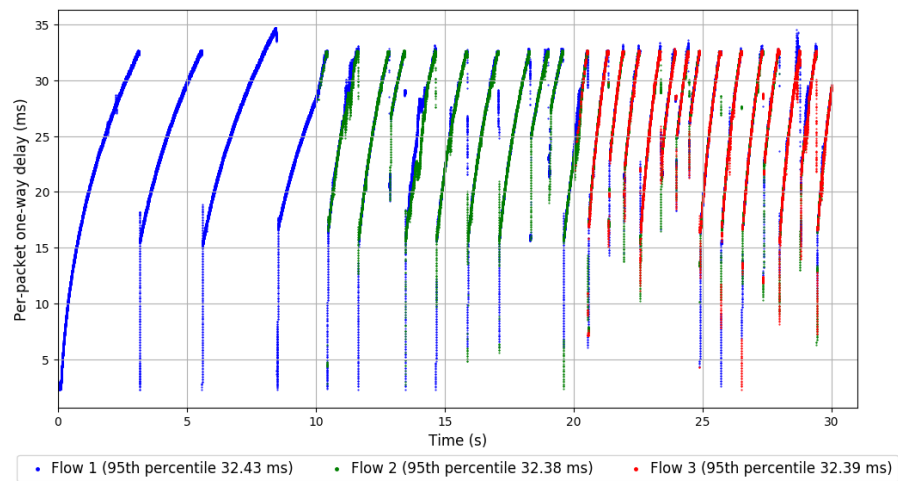
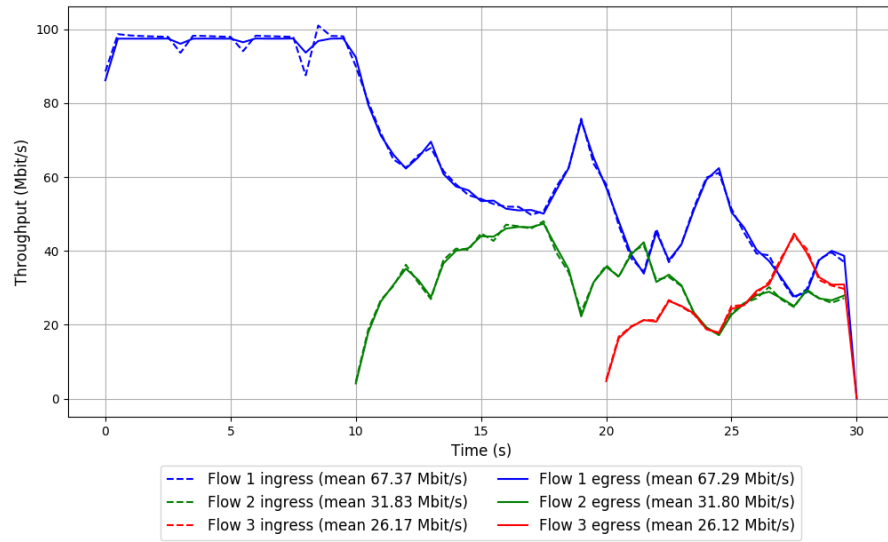


Run 4: Statistics of LEDBAT

Start at: 2018-04-03 21:42:02
End at: 2018-04-03 21:42:32
Local clock offset: -6.267 ms
Remote clock offset: -6.404 ms

Below is generated by plot.py at 2018-04-04 00:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 32.407 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.29 Mbit/s
95th percentile per-packet one-way delay: 32.429 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 32.375 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 26.12 Mbit/s
95th percentile per-packet one-way delay: 32.388 ms
Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link

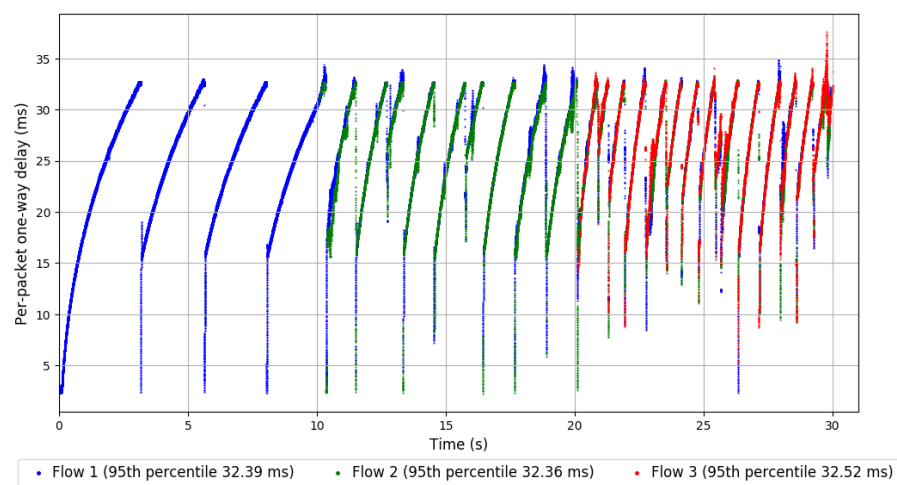
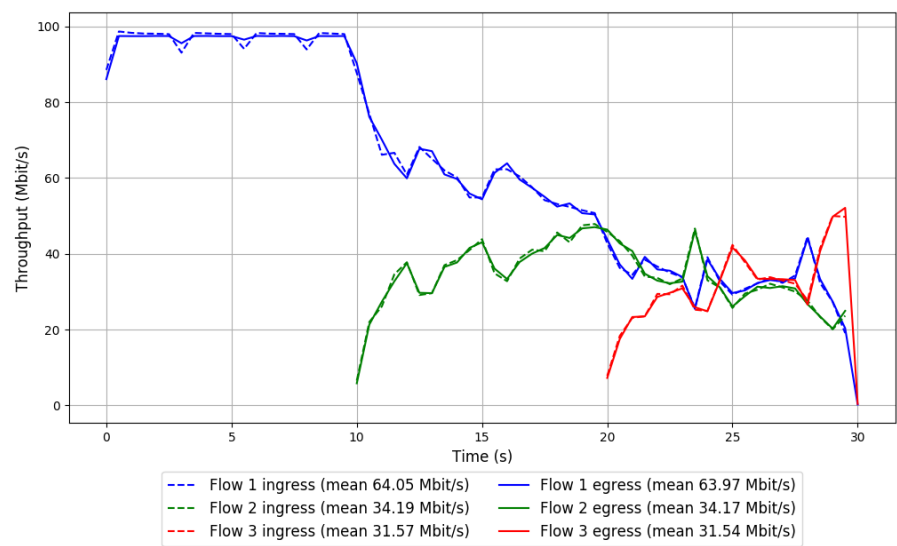


Run 5: Statistics of LEDBAT

Start at: 2018-04-03 22:02:33
End at: 2018-04-03 22:03:03
Local clock offset: -6.507 ms
Remote clock offset: -2.843 ms

Below is generated by plot.py at 2018-04-04 00:22:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 32.383 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 32.393 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 32.357 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 32.522 ms
Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

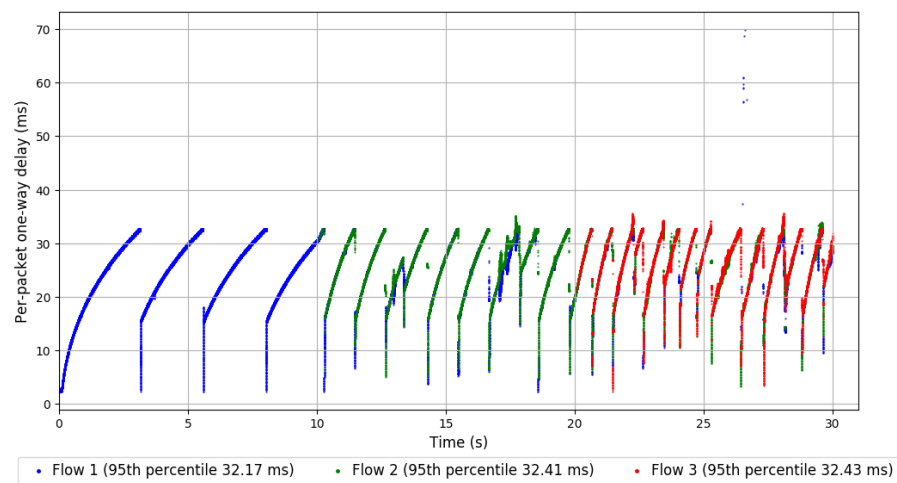
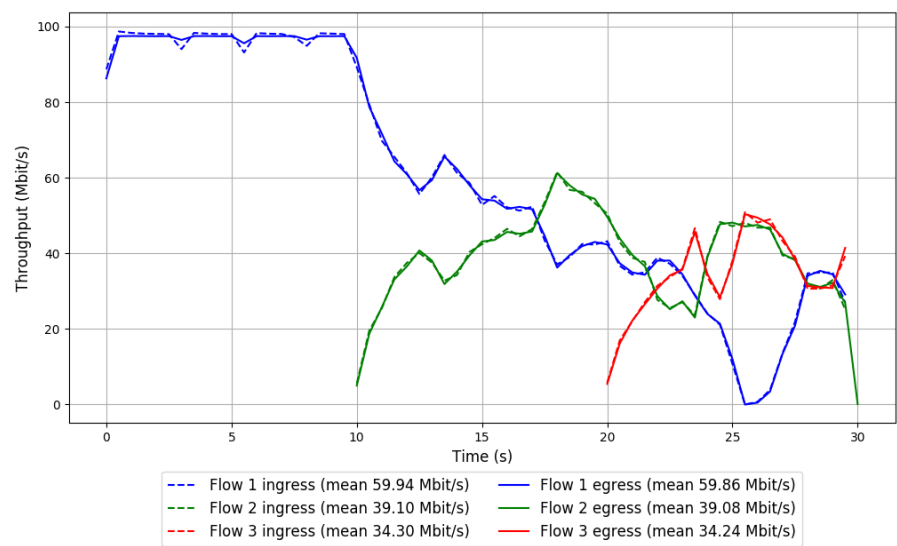


Run 6: Statistics of LEDBAT

Start at: 2018-04-03 22:23:03
End at: 2018-04-03 22:23:33
Local clock offset: -6.277 ms
Remote clock offset: -0.465 ms

Below is generated by plot.py at 2018-04-04 00:23:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 32.356 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.86 Mbit/s
95th percentile per-packet one-way delay: 32.168 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 32.406 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 32.431 ms
Loss rate: 0.06%

Run 6: Report of LEDBAT — Data Link

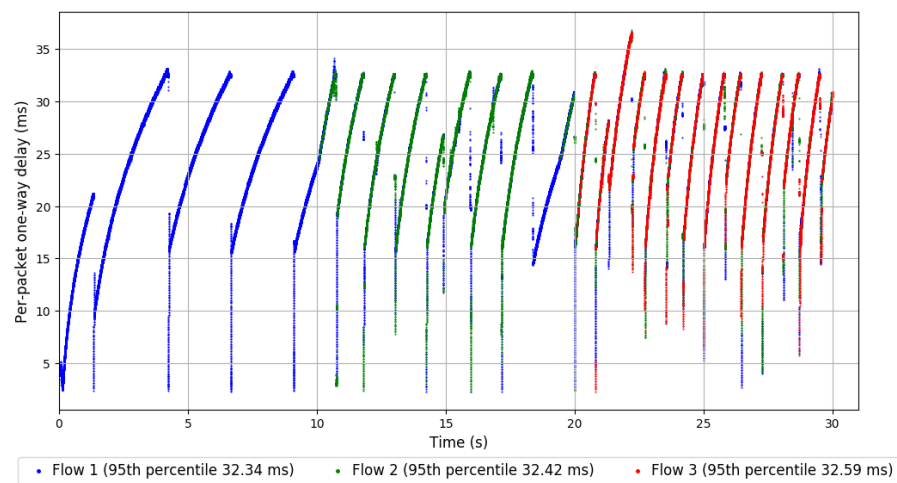
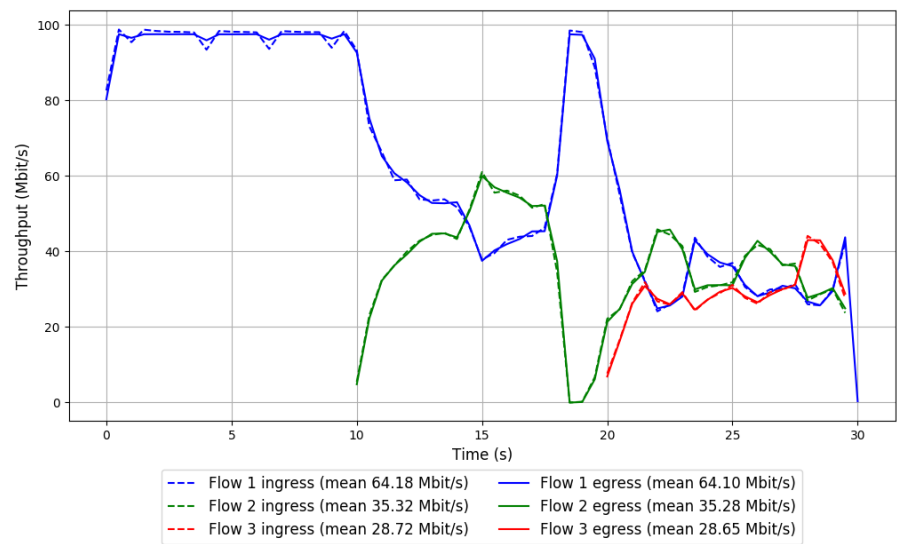


Run 7: Statistics of LEDBAT

Start at: 2018-04-03 22:43:33
End at: 2018-04-03 22:44:03
Local clock offset: -5.787 ms
Remote clock offset: -1.391 ms

Below is generated by plot.py at 2018-04-04 00:23:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 32.392 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 32.335 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 32.419 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 32.592 ms
Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link

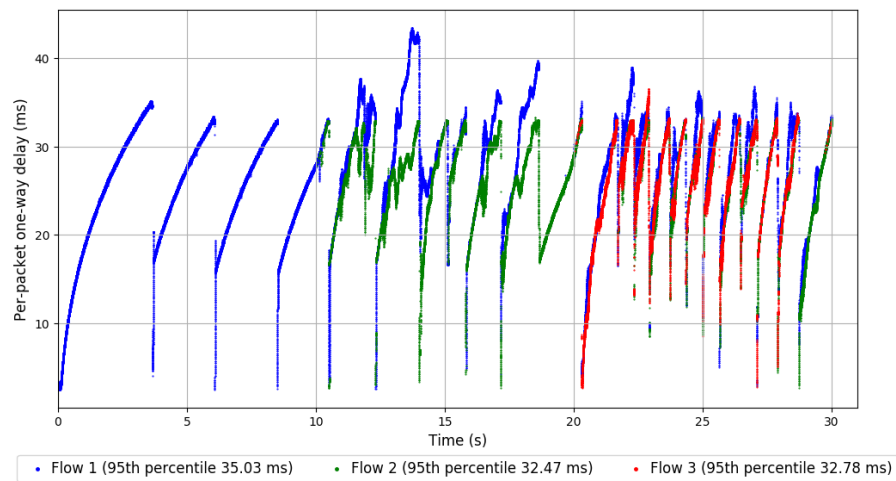
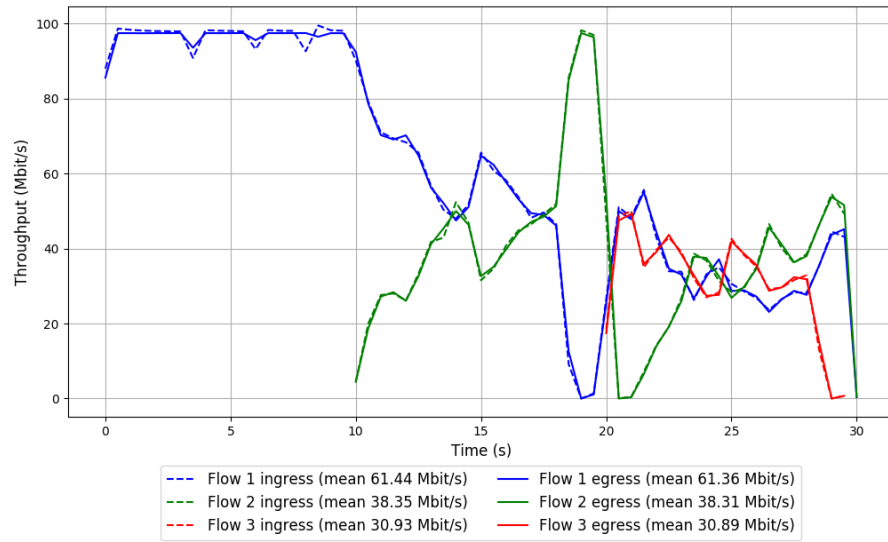


Run 8: Statistics of LEDBAT

Start at: 2018-04-03 23:04:04
End at: 2018-04-03 23:04:34
Local clock offset: -5.453 ms
Remote clock offset: -2.974 ms

Below is generated by plot.py at 2018-04-04 00:23:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 34.165 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 35.030 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 32.474 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 32.780 ms
Loss rate: 0.07%

Run 8: Report of LEDBAT — Data Link

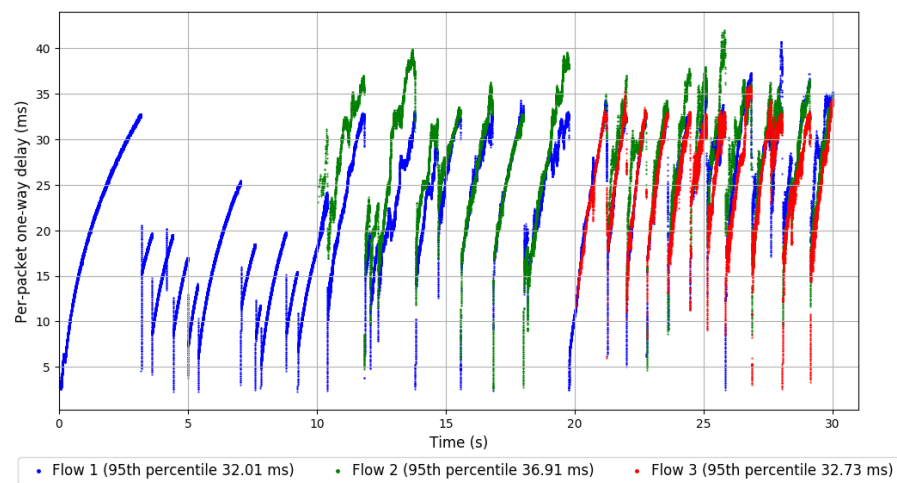
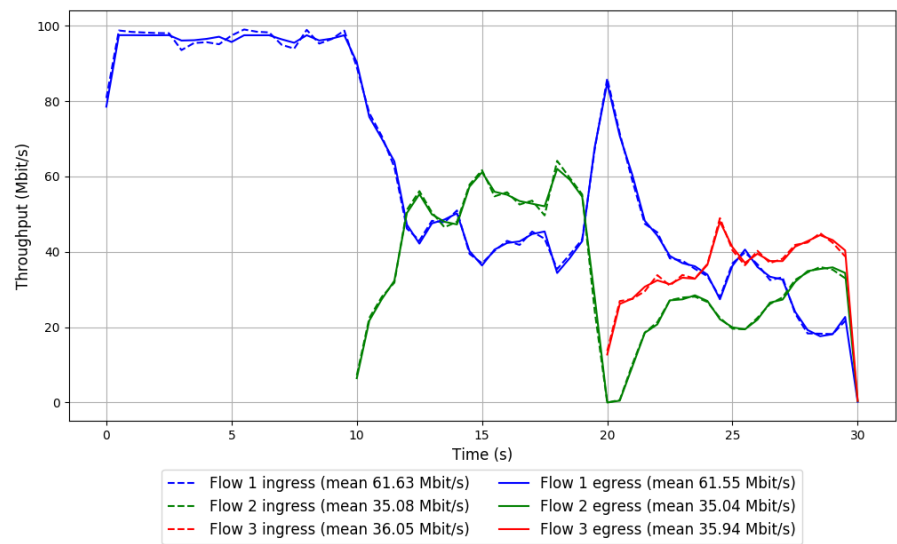


Run 9: Statistics of LEDBAT

Start at: 2018-04-03 23:24:37
End at: 2018-04-03 23:25:07
Local clock offset: -5.195 ms
Remote clock offset: -7.902 ms

Below is generated by plot.py at 2018-04-04 00:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 33.674 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 32.005 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 36.910 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 32.726 ms
Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

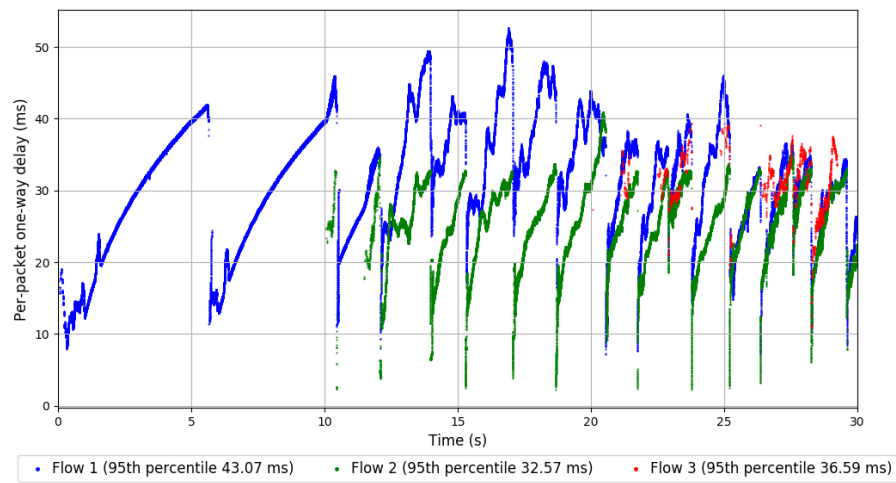
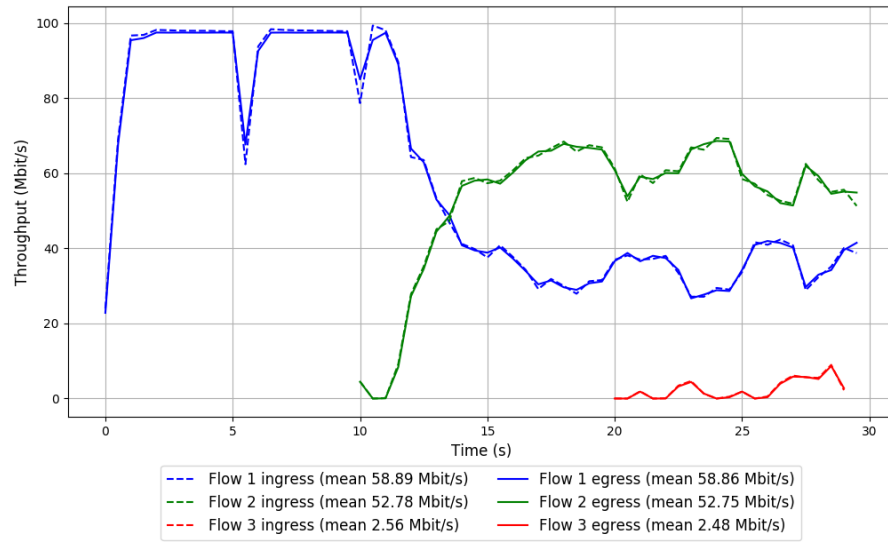


Run 10: Statistics of LEDBAT

Start at: 2018-04-03 23:45:12
End at: 2018-04-03 23:45:42
Local clock offset: -6.052 ms
Remote clock offset: -7.319 ms

Below is generated by plot.py at 2018-04-04 00:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 41.345 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 43.073 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: 32.574 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 36.585 ms
Loss rate: 2.97%

Run 10: Report of LEDBAT — Data Link

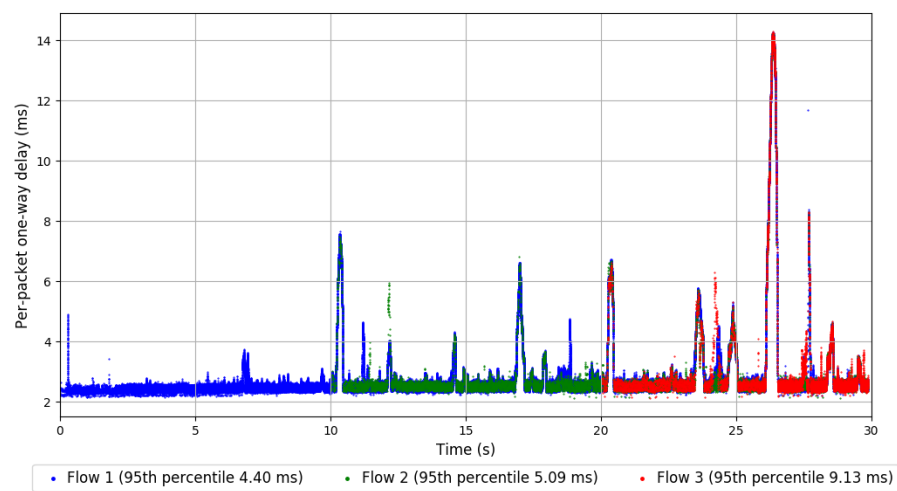
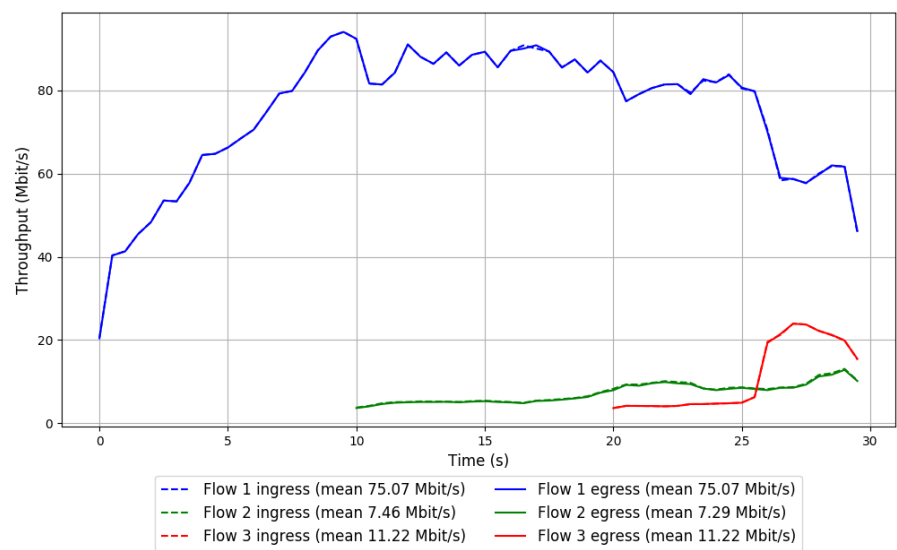


Run 1: Statistics of PCC

Start at: 2018-04-03 20:29:02
End at: 2018-04-03 20:29:32
Local clock offset: -5.681 ms
Remote clock offset: -6.849 ms

Below is generated by plot.py at 2018-04-04 00:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 4.531 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 75.07 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 5.089 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 9.127 ms
Loss rate: 0.00%

Run 1: Report of PCC — Data Link

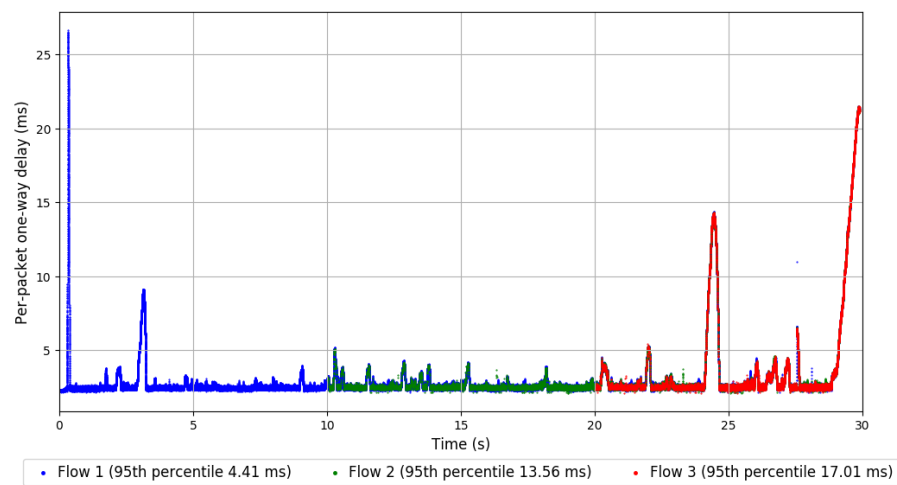
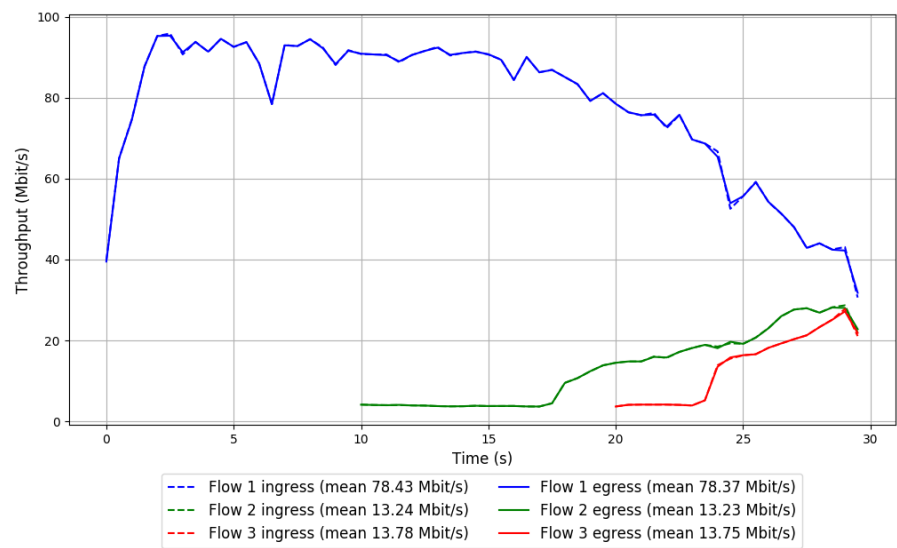


Run 2: Statistics of PCC

Start at: 2018-04-03 20:49:31
End at: 2018-04-03 20:50:01
Local clock offset: -6.412 ms
Remote clock offset: -7.002 ms

Below is generated by plot.py at 2018-04-04 00:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 6.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 4.406 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 13.559 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 17.009 ms
Loss rate: 0.00%

Run 2: Report of PCC — Data Link

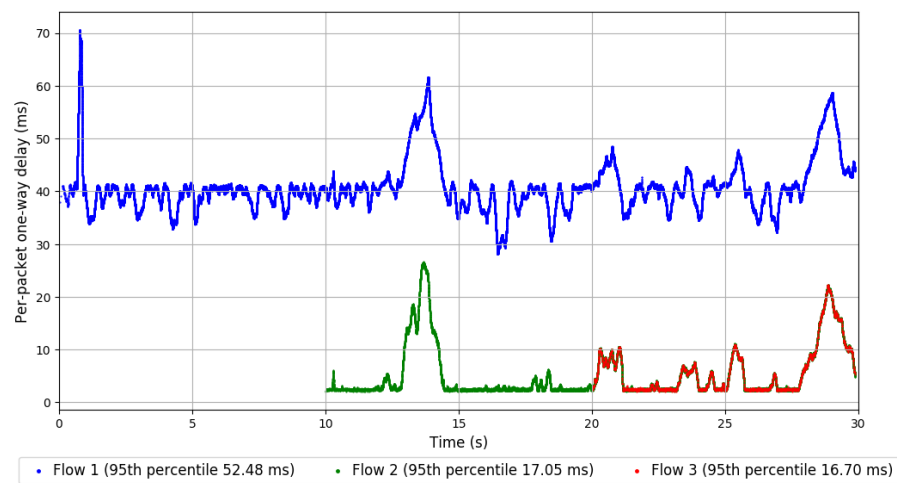
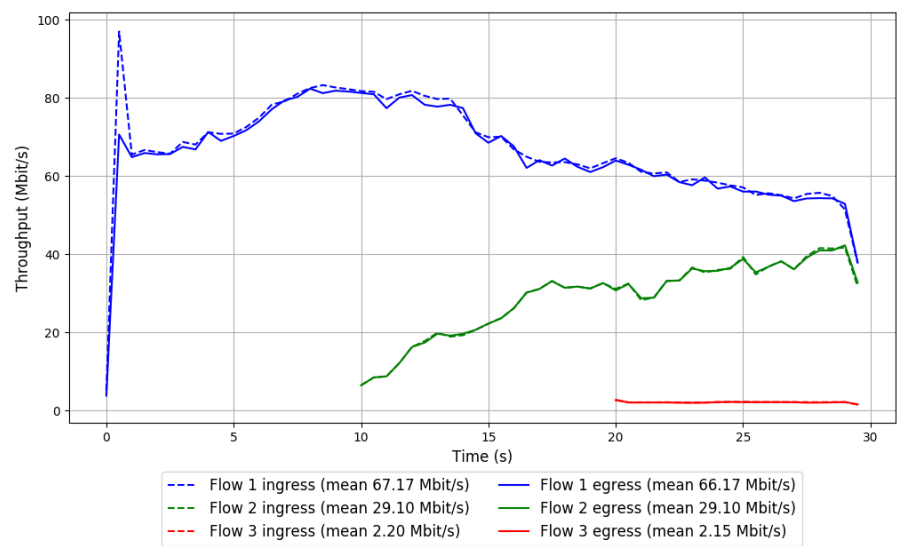


Run 3: Statistics of PCC

Start at: 2018-04-03 21:10:02
End at: 2018-04-03 21:10:32
Local clock offset: -6.726 ms
Remote clock offset: -7.158 ms

Below is generated by plot.py at 2018-04-04 00:24:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 66.17 Mbit/s
95th percentile per-packet one-way delay: 52.483 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 17.054 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 16.700 ms
Loss rate: 2.22%

Run 3: Report of PCC — Data Link

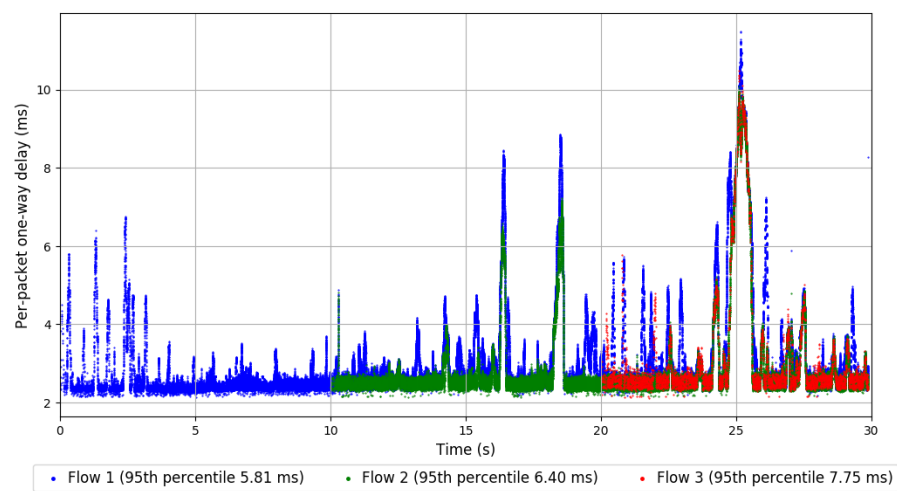
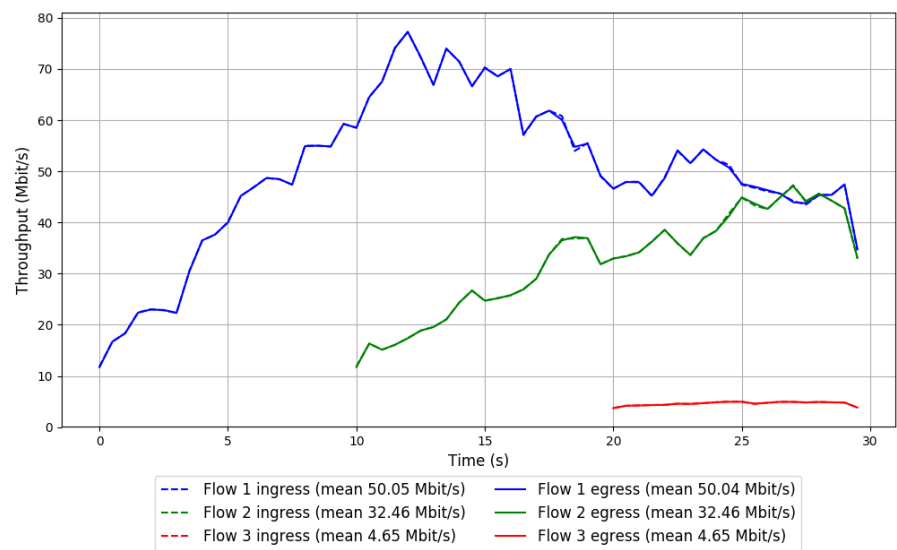


Run 4: Statistics of PCC

Start at: 2018-04-03 21:30:34
End at: 2018-04-03 21:31:04
Local clock offset: -6.289 ms
Remote clock offset: -6.502 ms

Below is generated by plot.py at 2018-04-04 00:24:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: 6.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 5.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 6.403 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 7.745 ms
Loss rate: 0.00%

Run 4: Report of PCC — Data Link

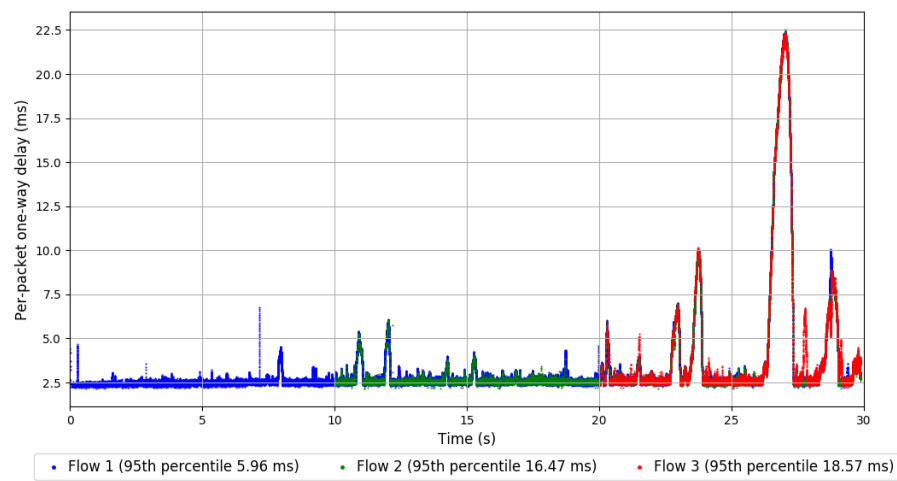
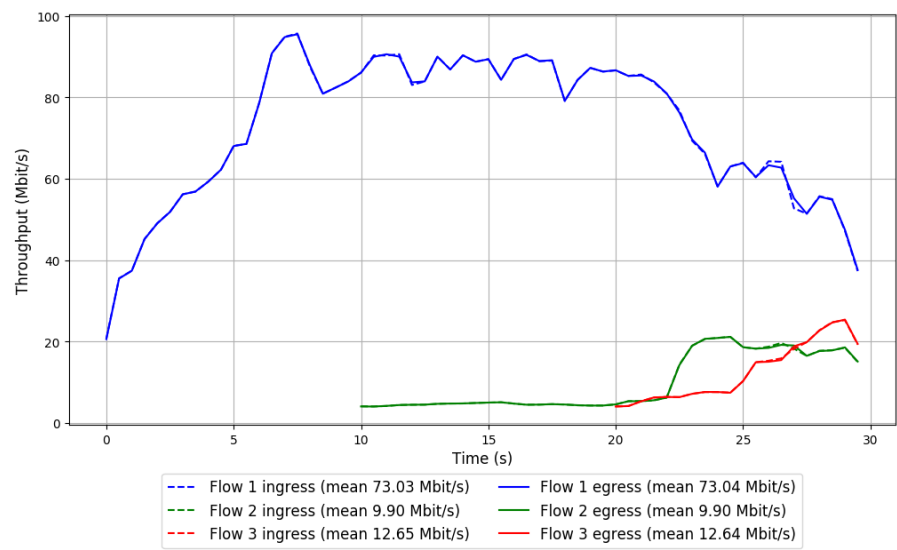


Run 5: Statistics of PCC

Start at: 2018-04-03 21:51:06
End at: 2018-04-03 21:51:36
Local clock offset: -6.344 ms
Remote clock offset: -6.289 ms

Below is generated by plot.py at 2018-04-04 00:24:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 7.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.04 Mbit/s
95th percentile per-packet one-way delay: 5.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.90 Mbit/s
95th percentile per-packet one-way delay: 16.473 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 18.565 ms
Loss rate: 0.01%

Run 5: Report of PCC — Data Link

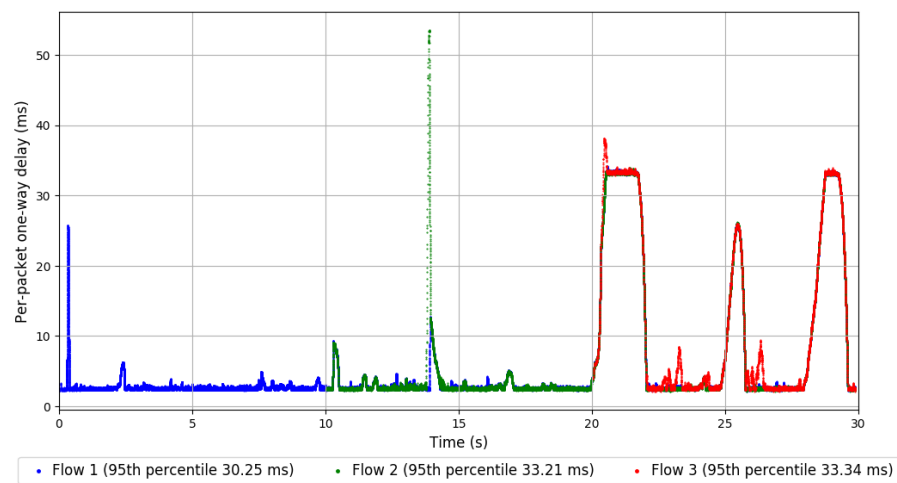
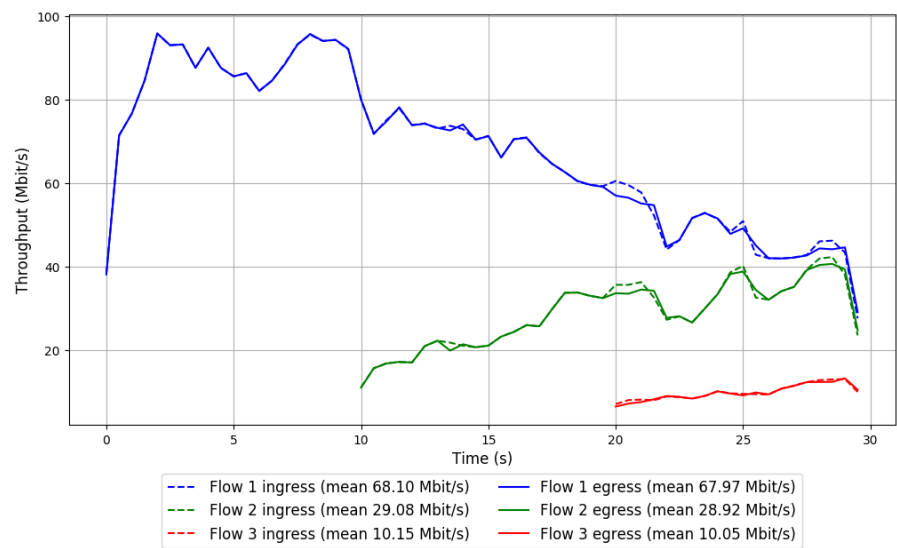


Run 6: Statistics of PCC

Start at: 2018-04-03 22:11:36
End at: 2018-04-03 22:12:06
Local clock offset: -6.495 ms
Remote clock offset: -1.479 ms

Below is generated by plot.py at 2018-04-04 00:24:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 33.110 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 67.97 Mbit/s
95th percentile per-packet one-way delay: 30.248 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 33.211 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 33.344 ms
Loss rate: 1.02%

Run 6: Report of PCC — Data Link

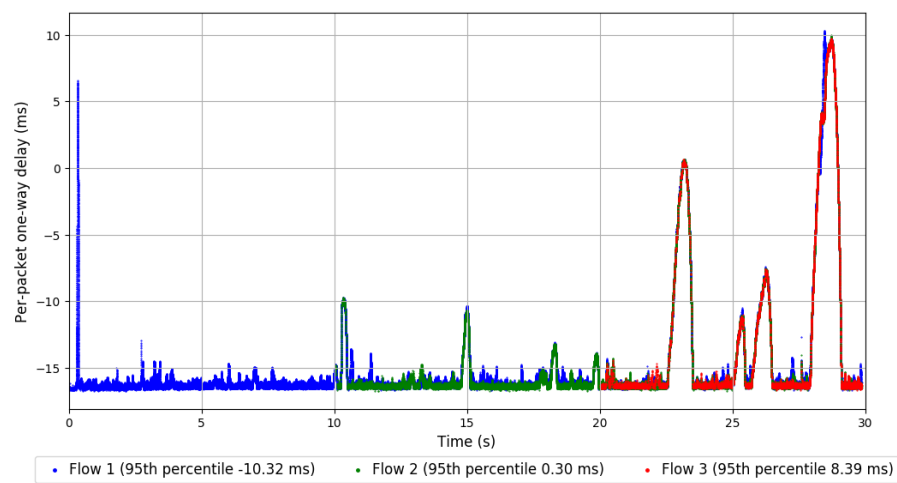
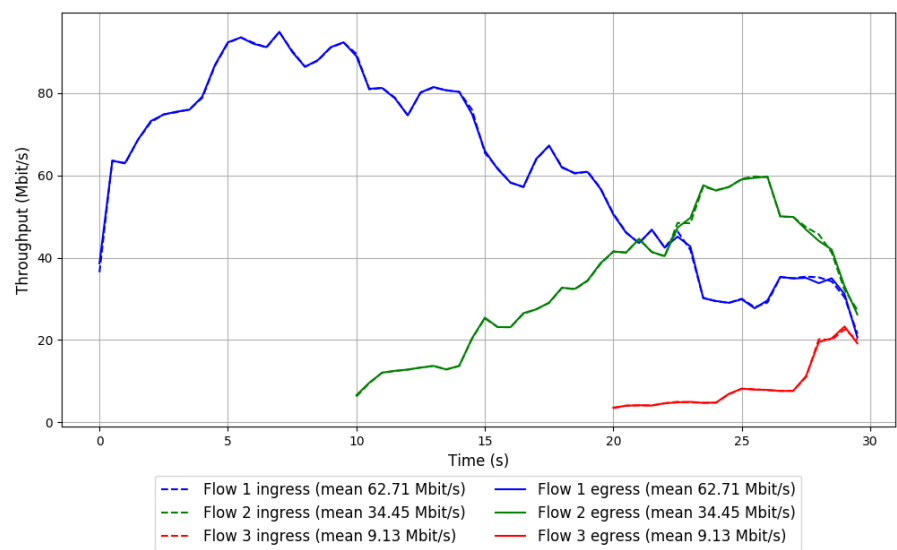


Run 7: Statistics of PCC

Start at: 2018-04-03 22:32:08
End at: 2018-04-03 22:32:38
Local clock offset: -5.992 ms
Remote clock offset: -19.954 ms

Below is generated by plot.py at 2018-04-04 00:24:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.63 Mbit/s
95th percentile per-packet one-way delay: -4.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.71 Mbit/s
95th percentile per-packet one-way delay: -10.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 0.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 8.393 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

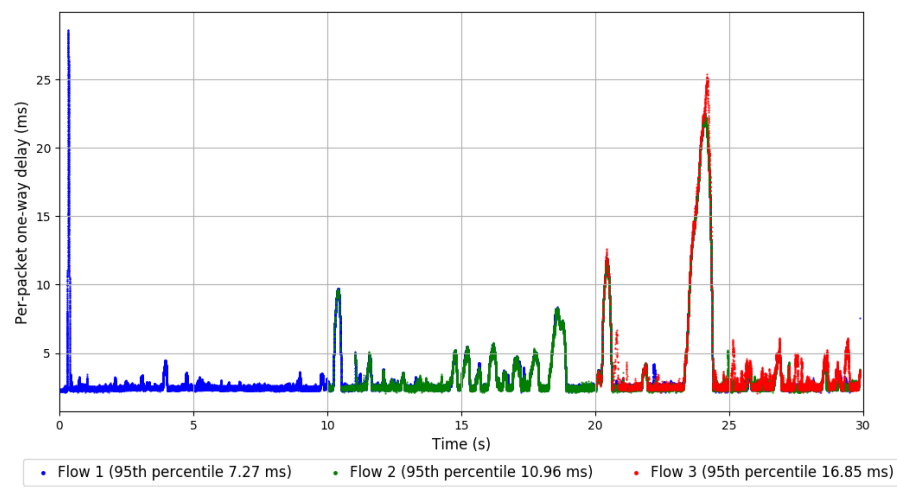
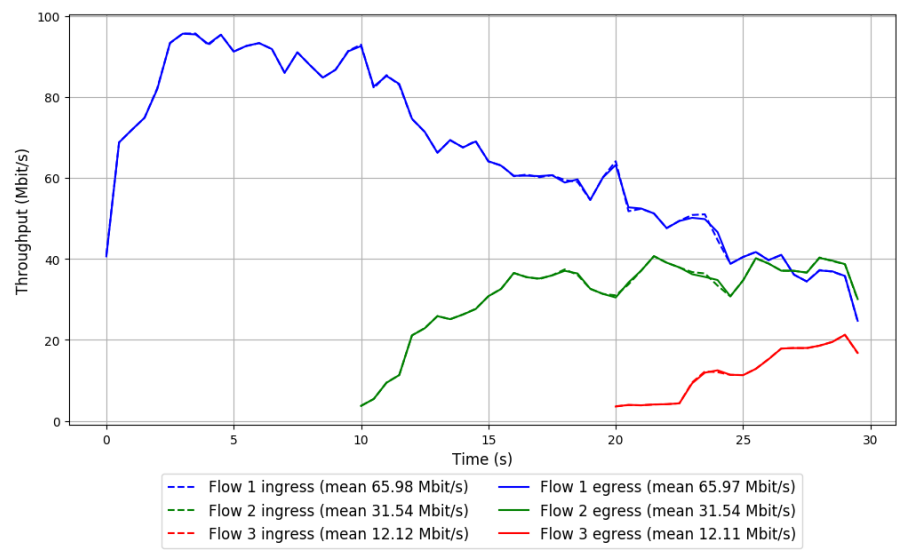


Run 8: Statistics of PCC

Start at: 2018-04-03 22:52:37
End at: 2018-04-03 22:53:07
Local clock offset: -5.653 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2018-04-04 00:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 8.080 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 7.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 10.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 16.854 ms
Loss rate: 0.00%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-04-03 23:13:09

End at: 2018-04-03 23:13:39

Local clock offset: -5.332 ms

Remote clock offset: -6.02 ms

Below is generated by plot.py at 2018-04-04 00:24:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.75 Mbit/s

95th percentile per-packet one-way delay: 11.404 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 45.903 ms

Loss rate: 4.31%

-- Flow 2:

Average throughput: 75.60 Mbit/s

95th percentile per-packet one-way delay: 6.989 ms

Loss rate: 0.00%

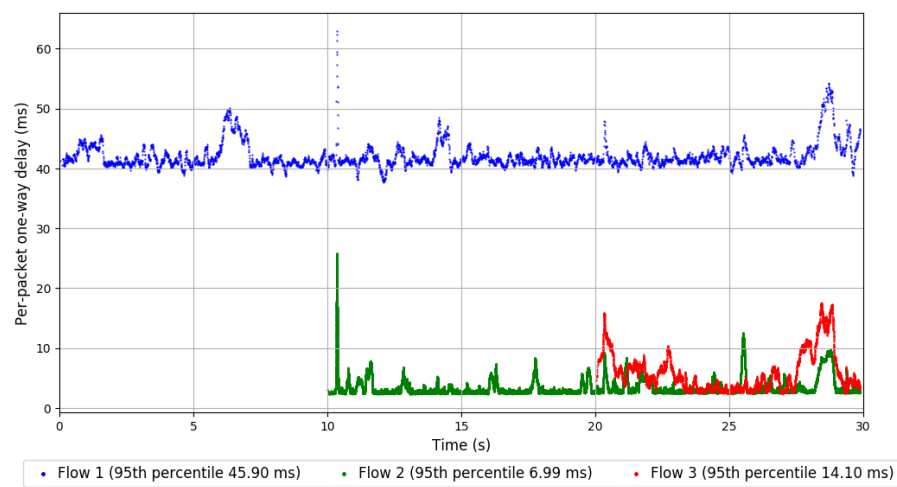
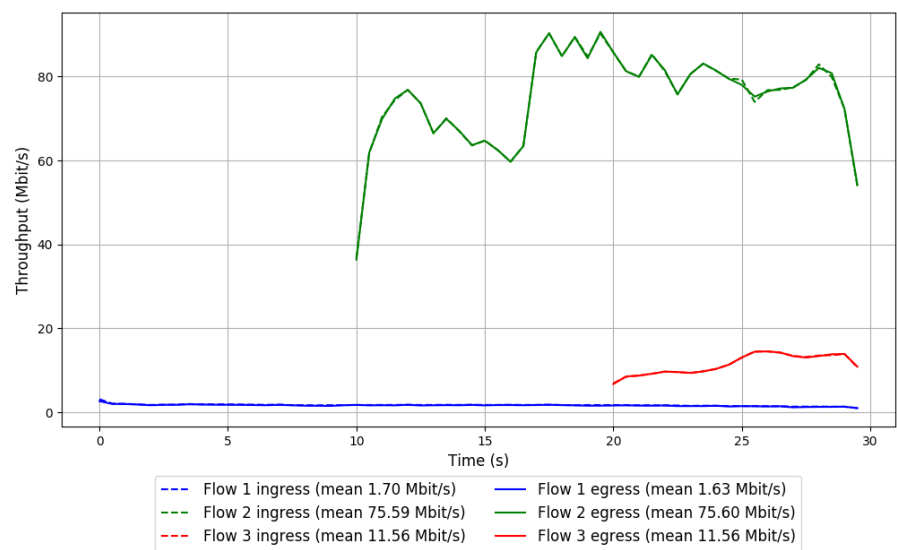
-- Flow 3:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 14.096 ms

Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-04-03 23:33:43

End at: 2018-04-03 23:34:13

Local clock offset: -5.635 ms

Remote clock offset: -9.13 ms

Below is generated by plot.py at 2018-04-04 00:24:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.14 Mbit/s

95th percentile per-packet one-way delay: 8.686 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 73.14 Mbit/s

95th percentile per-packet one-way delay: 9.011 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.26 Mbit/s

95th percentile per-packet one-way delay: 6.698 ms

Loss rate: 0.00%

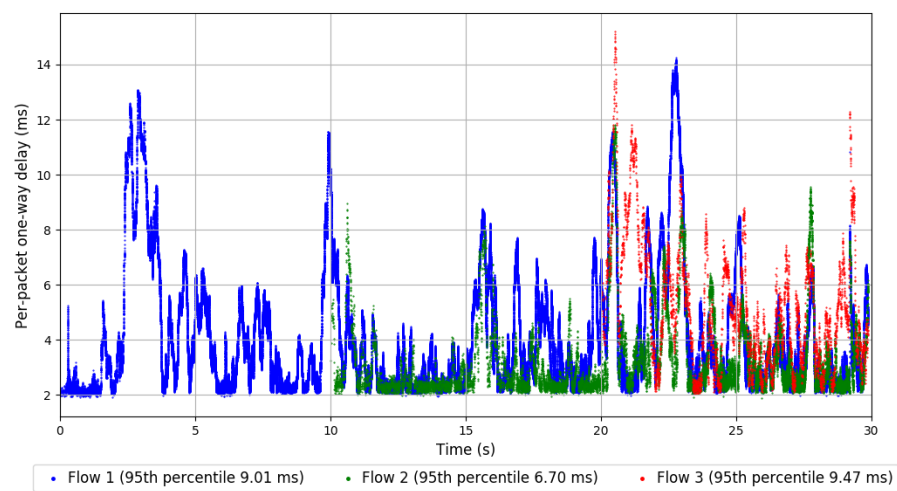
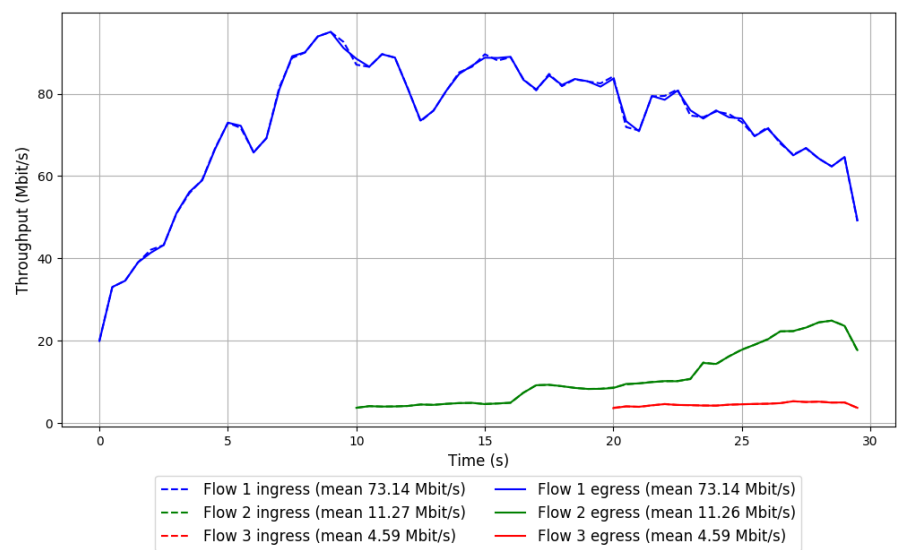
-- Flow 3:

Average throughput: 4.59 Mbit/s

95th percentile per-packet one-way delay: 9.475 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link

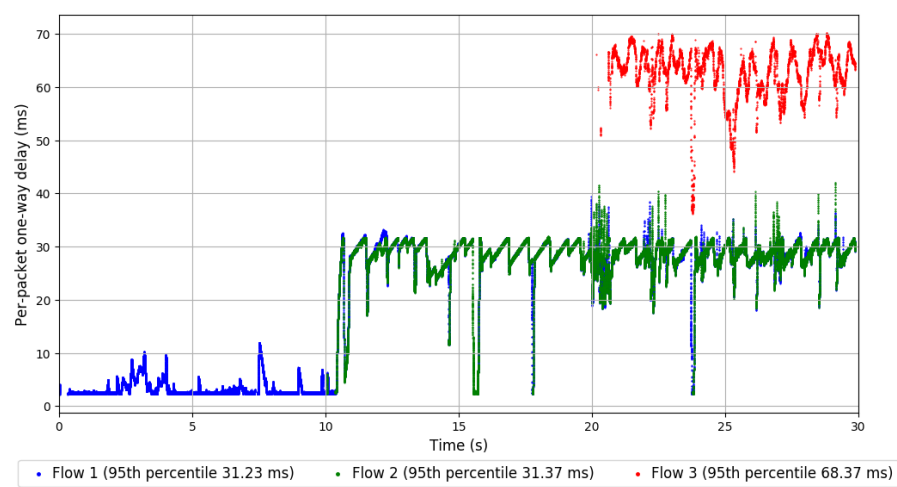
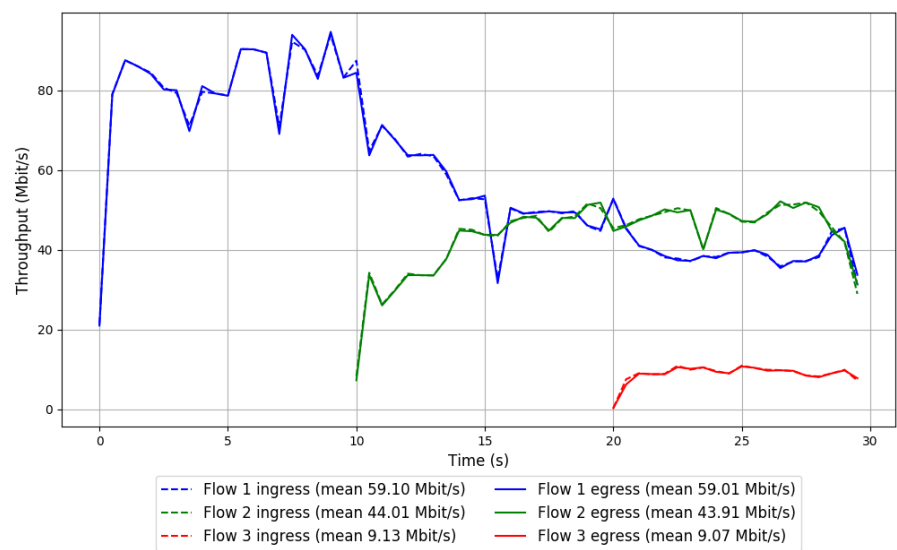


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 20:32:26
End at: 2018-04-03 20:32:56
Local clock offset: -5.717 ms
Remote clock offset: -6.932 ms

Below is generated by plot.py at 2018-04-04 00:25:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 31.572 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 31.235 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 43.91 Mbit/s
95th percentile per-packet one-way delay: 31.367 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 68.370 ms
Loss rate: 0.98%

Run 1: Report of QUIC Cubic — Data Link

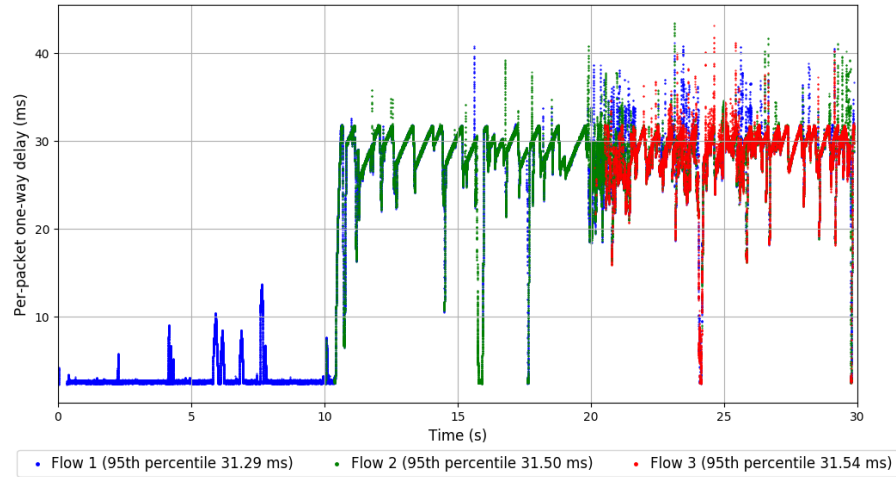
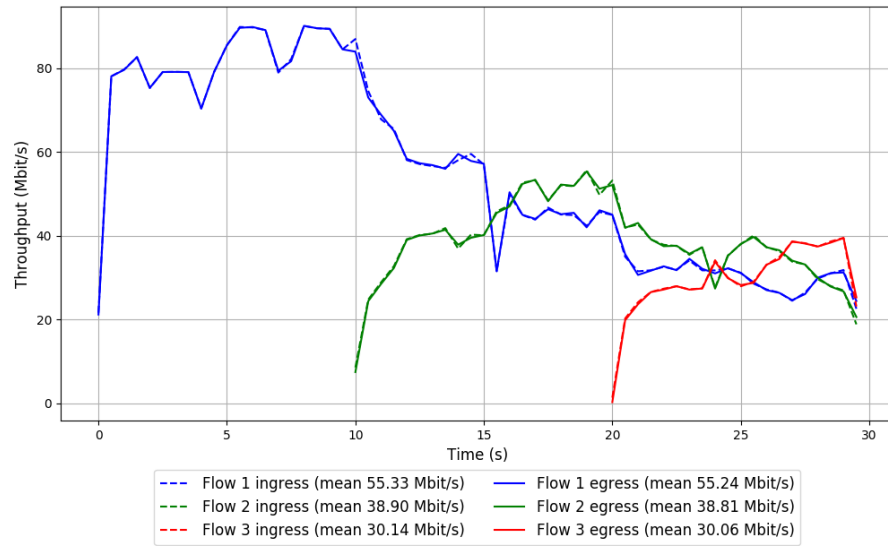


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-03 20:52:56
End at: 2018-04-03 20:53:26
Local clock offset: -6.595 ms
Remote clock offset: -7.027 ms

Below is generated by plot.py at 2018-04-04 00:25:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 31.422 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 31.289 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 31.495 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 31.538 ms
Loss rate: 0.22%

Run 2: Report of QUIC Cubic — Data Link

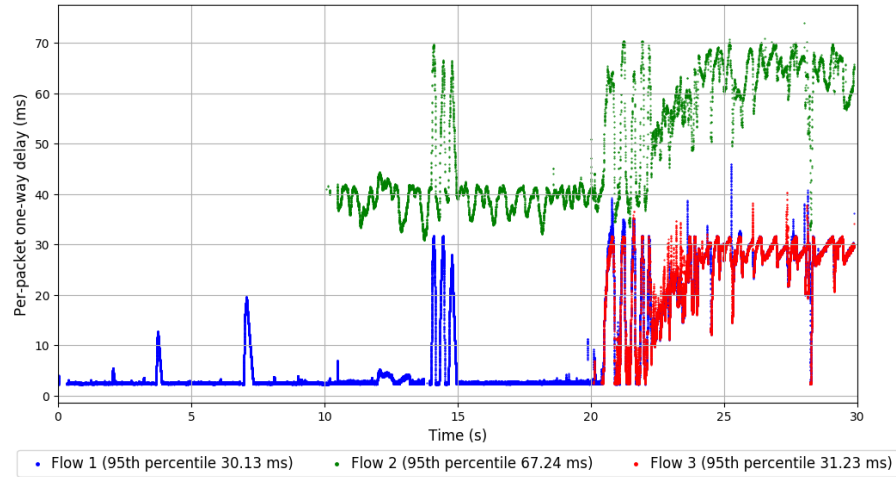
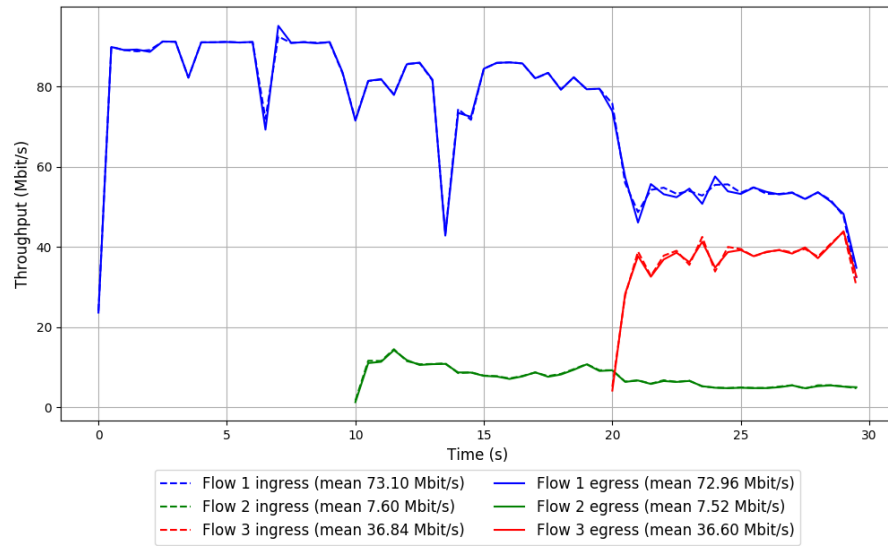


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-03 21:13:27
End at: 2018-04-03 21:13:57
Local clock offset: -6.671 ms
Remote clock offset: -7.157 ms

Below is generated by plot.py at 2018-04-04 00:25:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 36.421 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 72.96 Mbit/s
95th percentile per-packet one-way delay: 30.129 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 67.237 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 31.231 ms
Loss rate: 0.34%

Run 3: Report of QUIC Cubic — Data Link

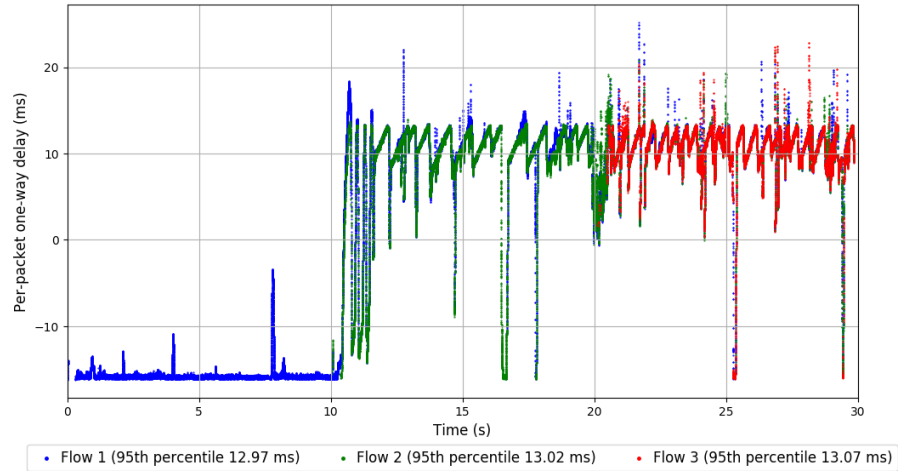
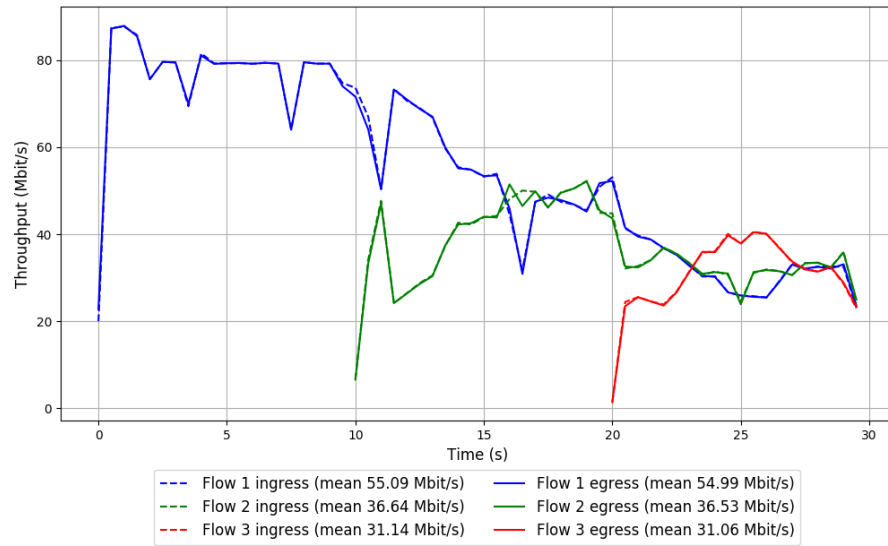


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-03 21:33:59
End at: 2018-04-03 21:34:29
Local clock offset: -6.266 ms
Remote clock offset: -24.843 ms

Below is generated by plot.py at 2018-04-04 00:26:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 13.000 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.99 Mbit/s
95th percentile per-packet one-way delay: 12.966 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 13.017 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 13.074 ms
Loss rate: 0.19%

Run 4: Report of QUIC Cubic — Data Link

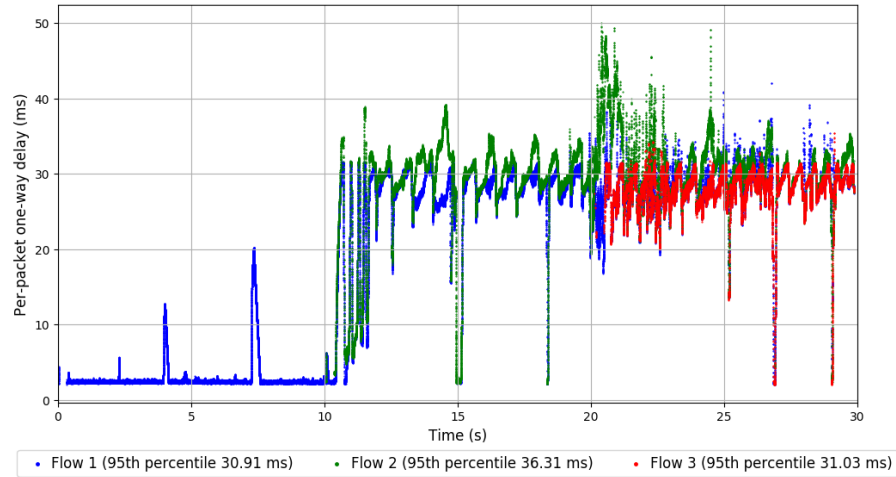
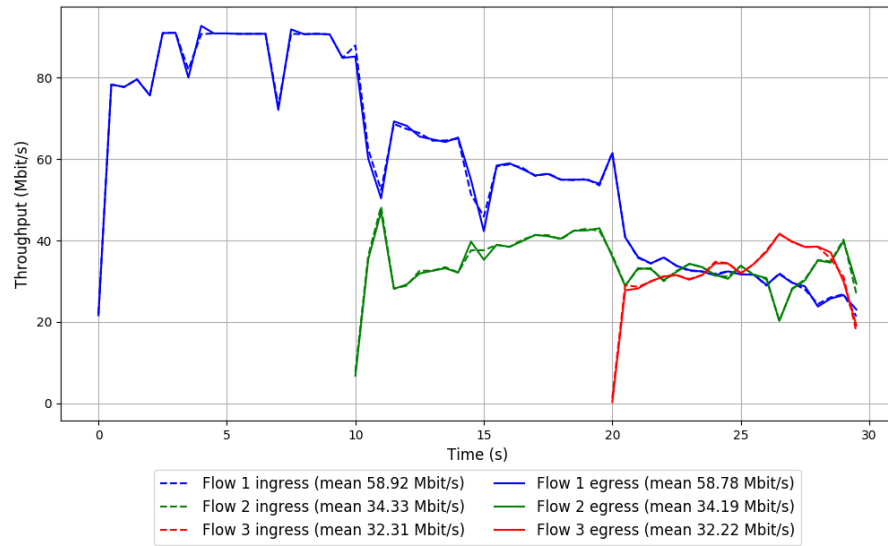


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-03 21:54:31
End at: 2018-04-03 21:55:01
Local clock offset: -6.395 ms
Remote clock offset: -5.246 ms

Below is generated by plot.py at 2018-04-04 00:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 32.525 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 30.913 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 36.312 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 31.027 ms
Loss rate: 0.28%

Run 5: Report of QUIC Cubic — Data Link

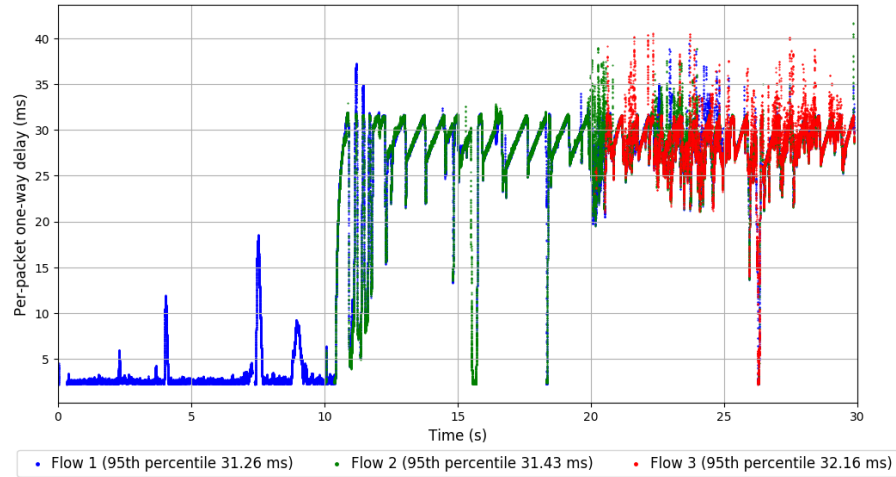
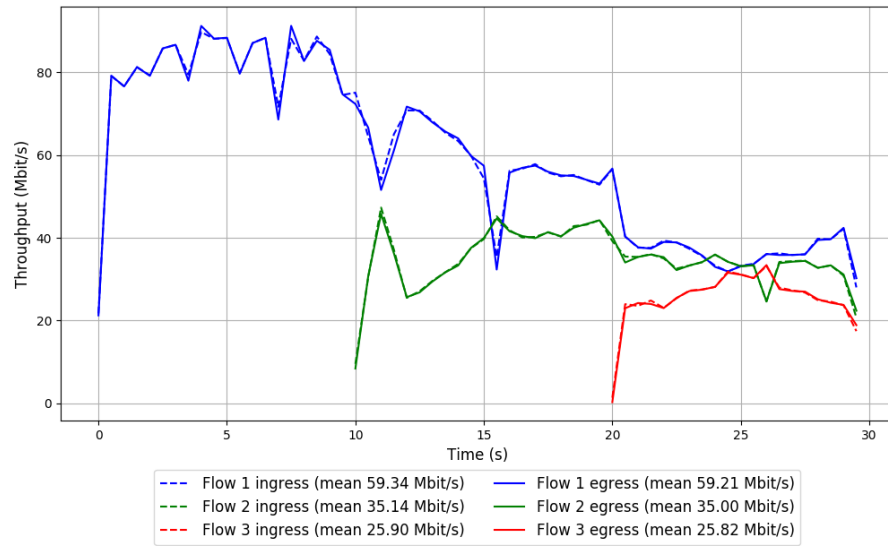


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-03 22:15:00
End at: 2018-04-03 22:15:30
Local clock offset: -6.455 ms
Remote clock offset: -1.139 ms

Below is generated by plot.py at 2018-04-04 00:26:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 31.351 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 31.263 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 31.434 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 32.164 ms
Loss rate: 0.24%

Run 6: Report of QUIC Cubic — Data Link

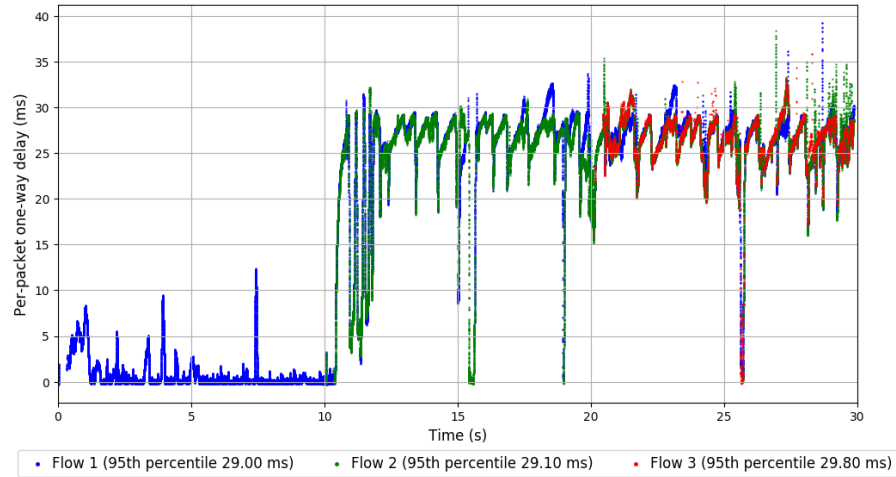
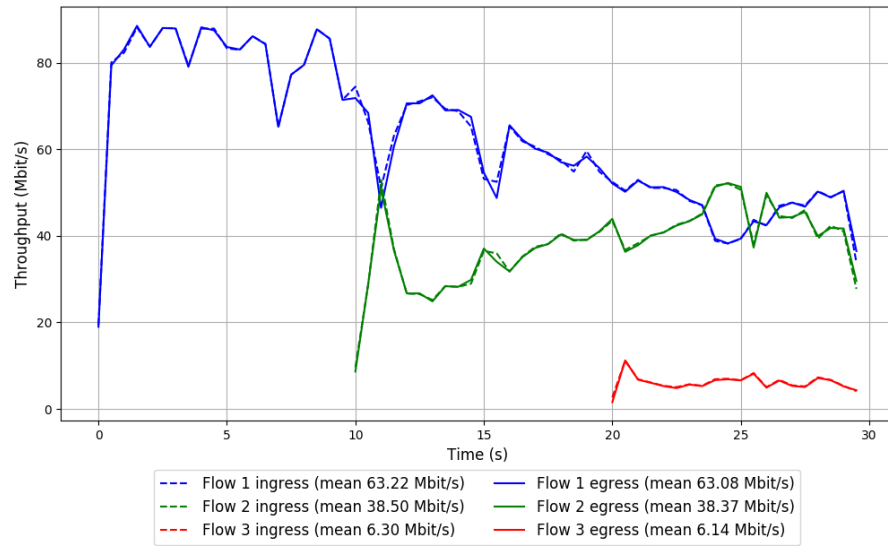


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-03 22:35:32
End at: 2018-04-03 22:36:02
Local clock offset: -5.905 ms
Remote clock offset: -3.761 ms

Below is generated by plot.py at 2018-04-04 00:26:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 29.041 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 29.002 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 29.101 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 29.805 ms
Loss rate: 2.34%

Run 7: Report of QUIC Cubic — Data Link

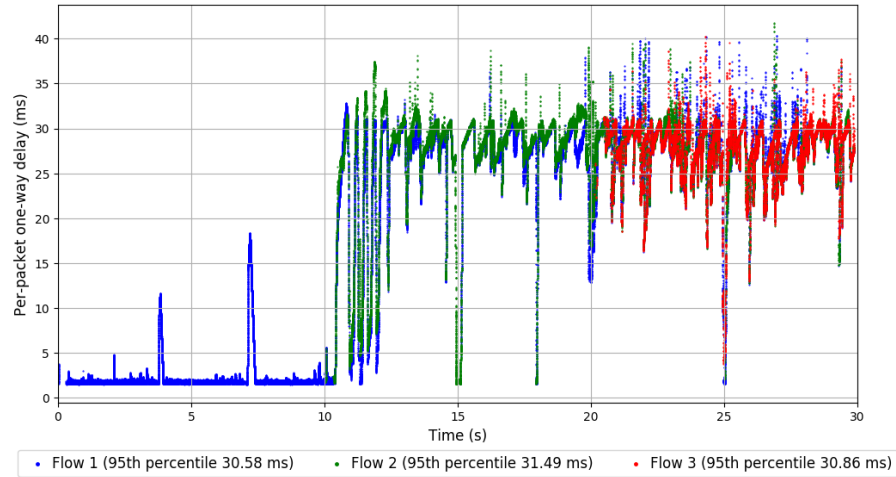
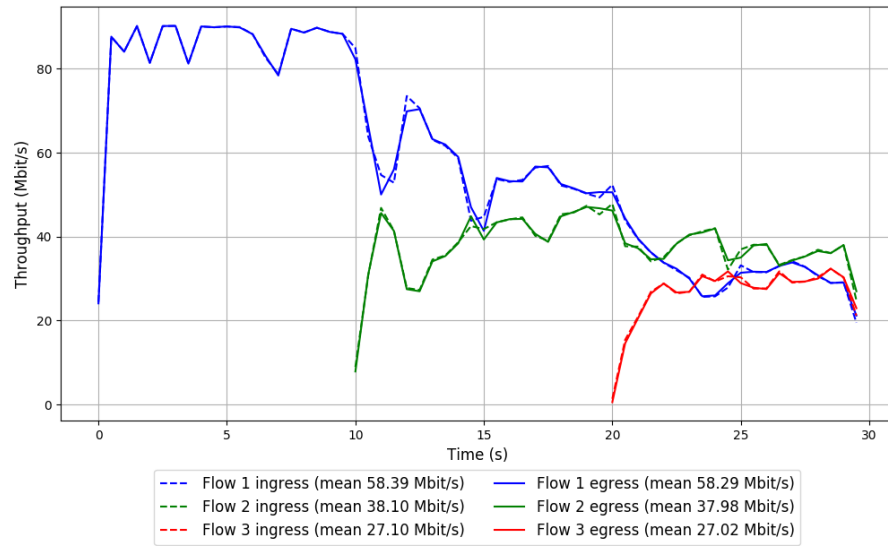


Run 8: Statistics of QUIC Cubic

Start at: 2018-04-03 22:56:02
End at: 2018-04-03 22:56:32
Local clock offset: -4.924 ms
Remote clock offset: -1.197 ms

Below is generated by plot.py at 2018-04-04 00:26:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 30.798 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 30.578 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 31.488 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.02 Mbit/s
95th percentile per-packet one-way delay: 30.861 ms
Loss rate: 0.25%

Run 8: Report of QUIC Cubic — Data Link

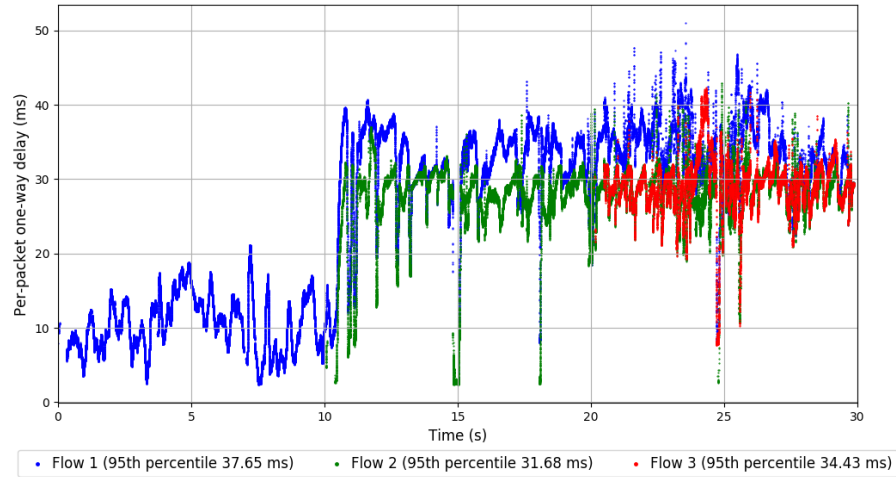
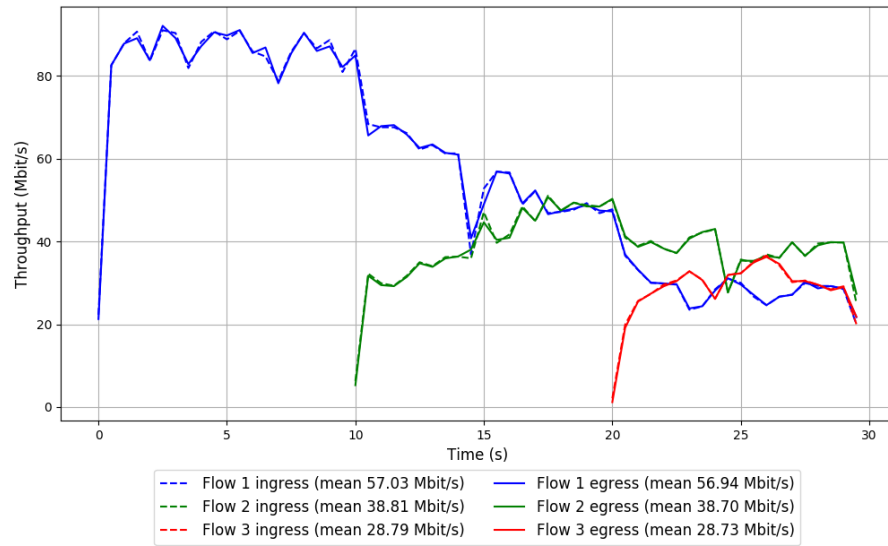


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-03 23:16:34
End at: 2018-04-03 23:17:04
Local clock offset: -5.374 ms
Remote clock offset: -6.794 ms

Below is generated by plot.py at 2018-04-04 00:27:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 36.863 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 37.654 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 31.681 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 34.427 ms
Loss rate: 0.20%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-03 23:37:08

End at: 2018-04-03 23:37:38

Local clock offset: -5.788 ms

Remote clock offset: -8.43 ms

Below is generated by plot.py at 2018-04-04 00:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 43.091 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 44.793 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 40.43 Mbit/s

95th percentile per-packet one-way delay: 31.192 ms

Loss rate: 0.31%

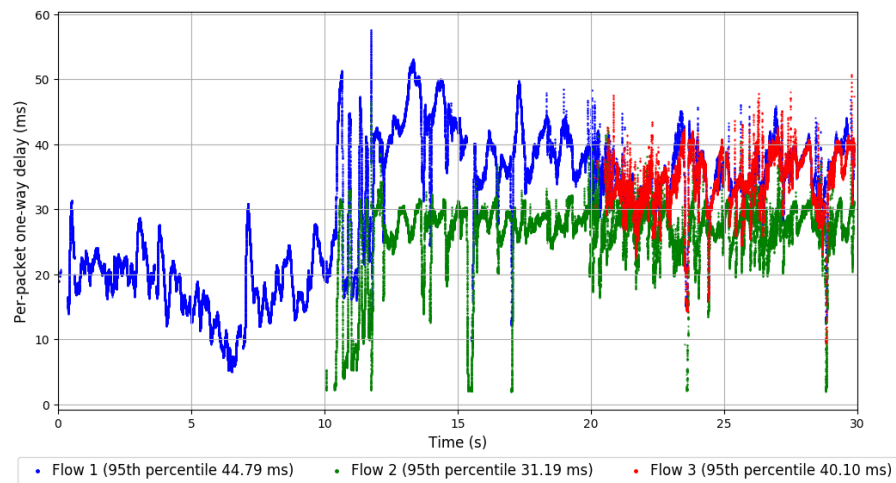
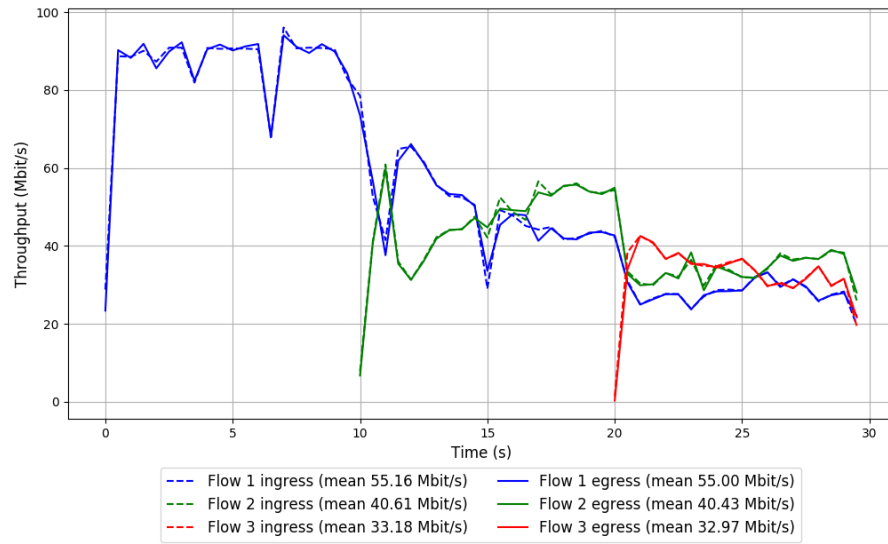
-- Flow 3:

Average throughput: 32.97 Mbit/s

95th percentile per-packet one-way delay: 40.101 ms

Loss rate: 0.50%

Run 10: Report of QUIC Cubic — Data Link

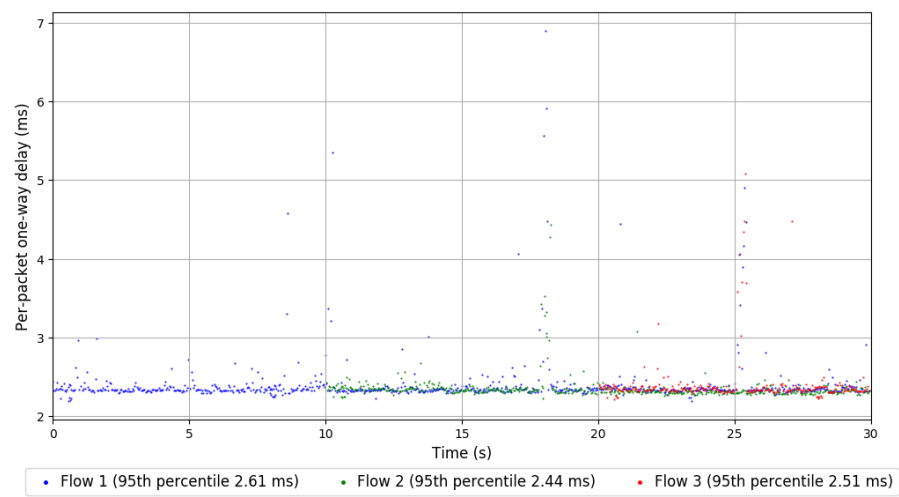
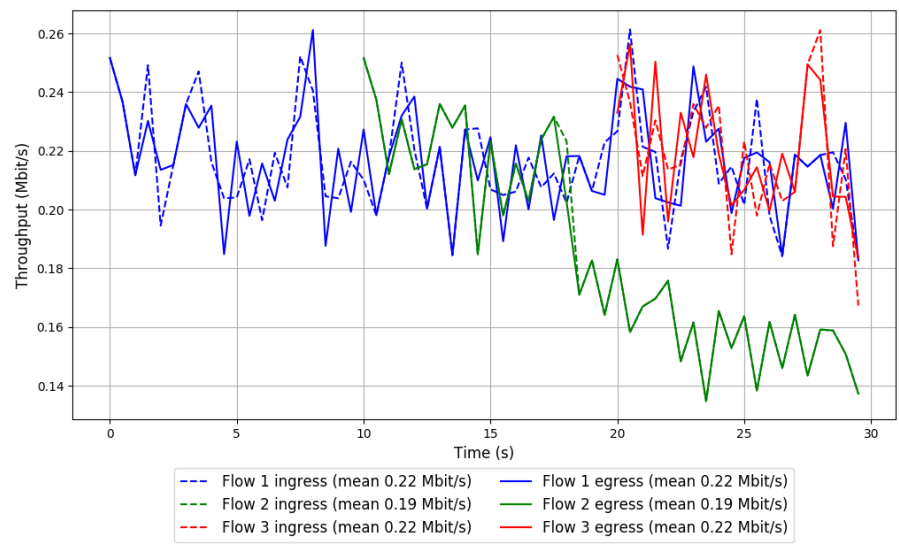


Run 1: Statistics of SCReAM

Start at: 2018-04-03 20:34:44
End at: 2018-04-03 20:35:14
Local clock offset: -5.63 ms
Remote clock offset: -6.935 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 2.526 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 2.442 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.508 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

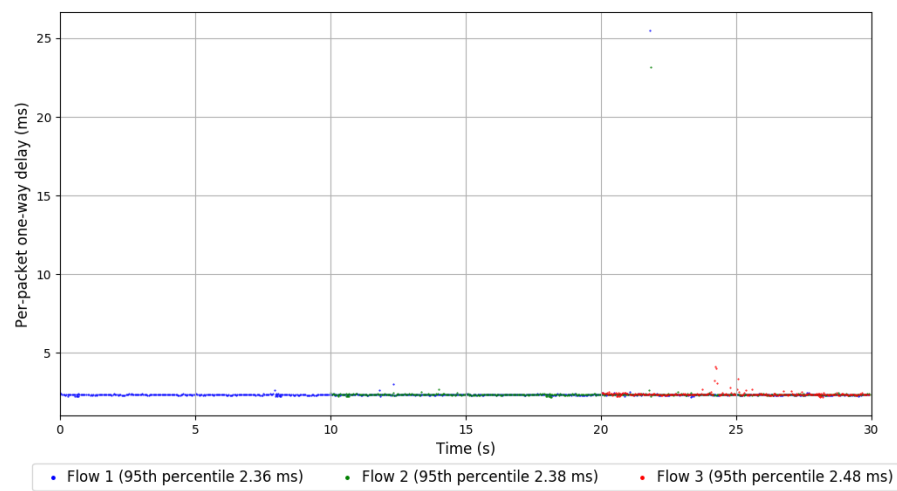
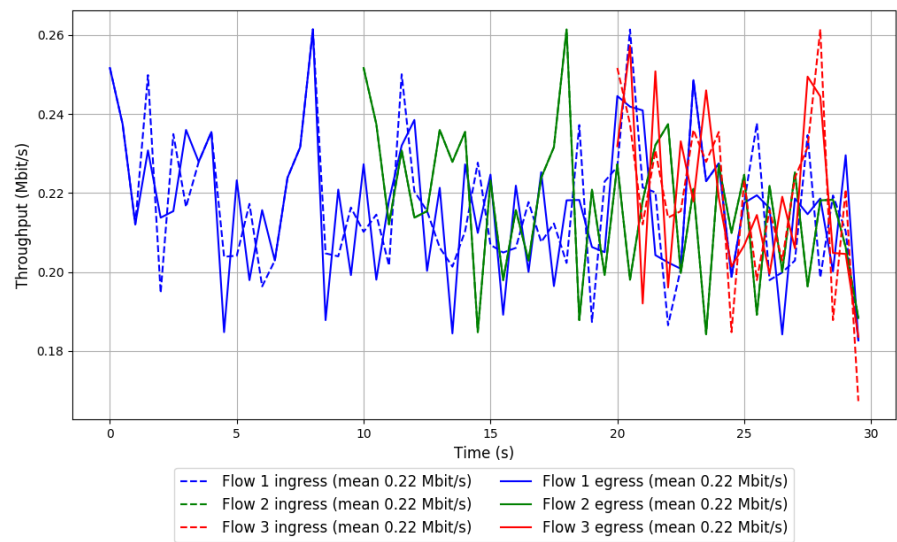


Run 2: Statistics of SReAM

Start at: 2018-04-03 20:55:14
End at: 2018-04-03 20:55:44
Local clock offset: -6.563 ms
Remote clock offset: -7.064 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.383 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.483 ms
Loss rate: 0.00%

Run 2: Report of SCRaM — Data Link

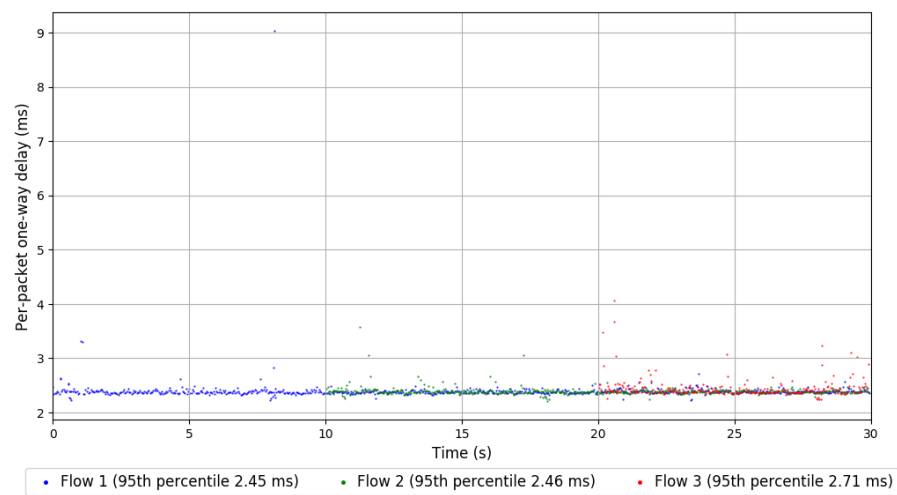
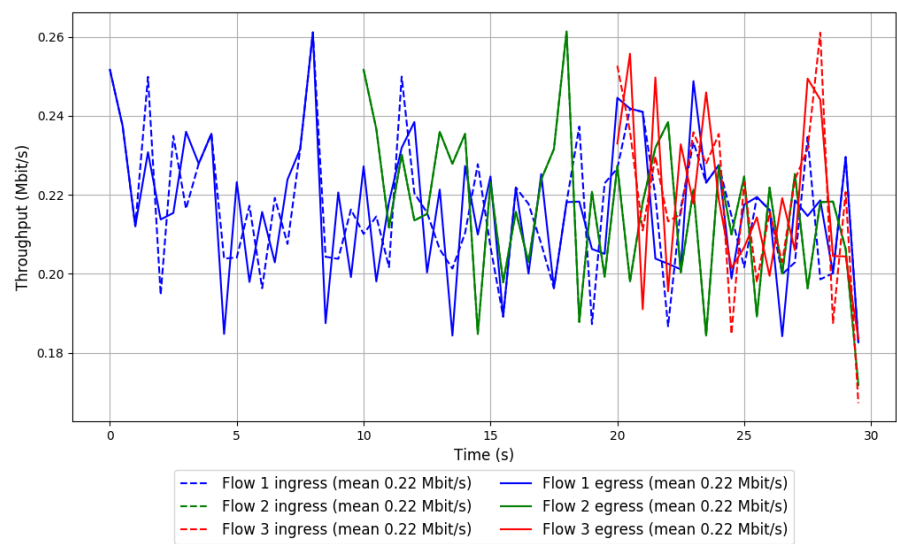


Run 3: Statistics of SReAM

Start at: 2018-04-03 21:15:45
End at: 2018-04-03 21:16:15
Local clock offset: -6.576 ms
Remote clock offset: -7.107 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.458 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.713 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

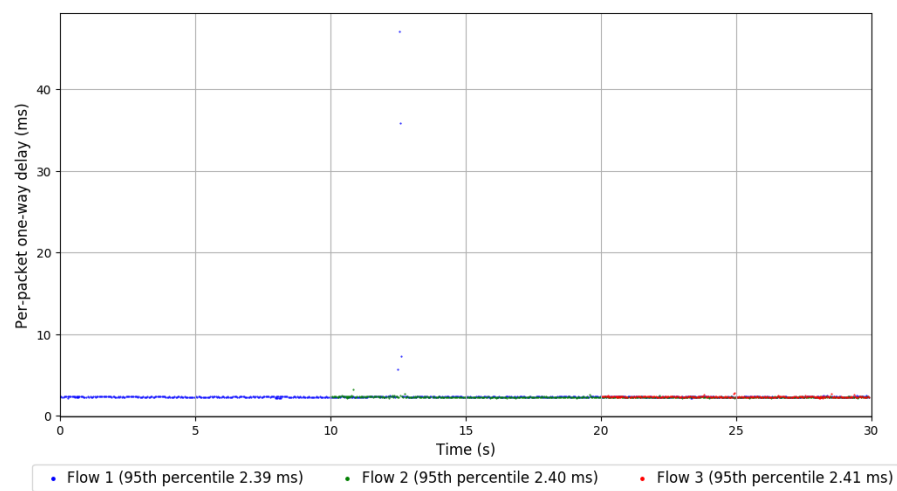
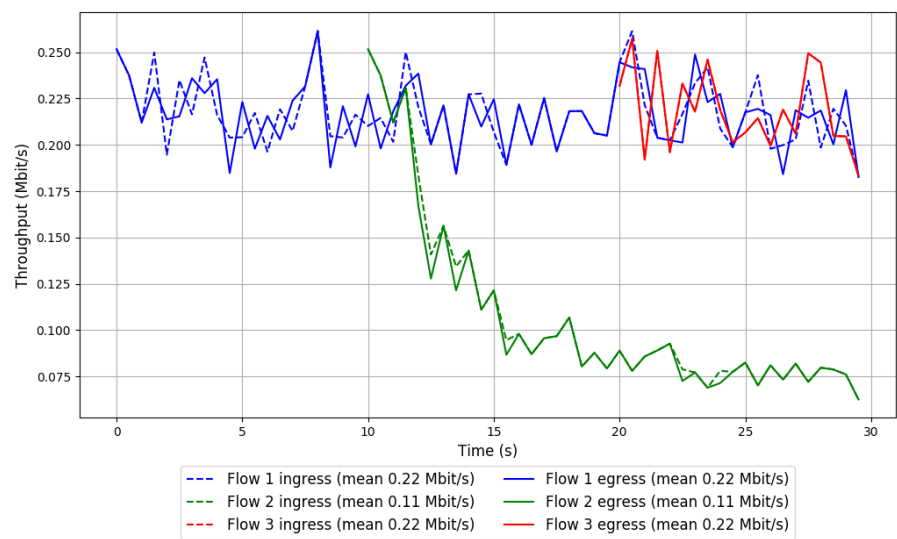


Run 4: Statistics of SReAM

Start at: 2018-04-03 21:36:17
End at: 2018-04-03 21:36:47
Local clock offset: -6.259 ms
Remote clock offset: -6.413 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.392 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

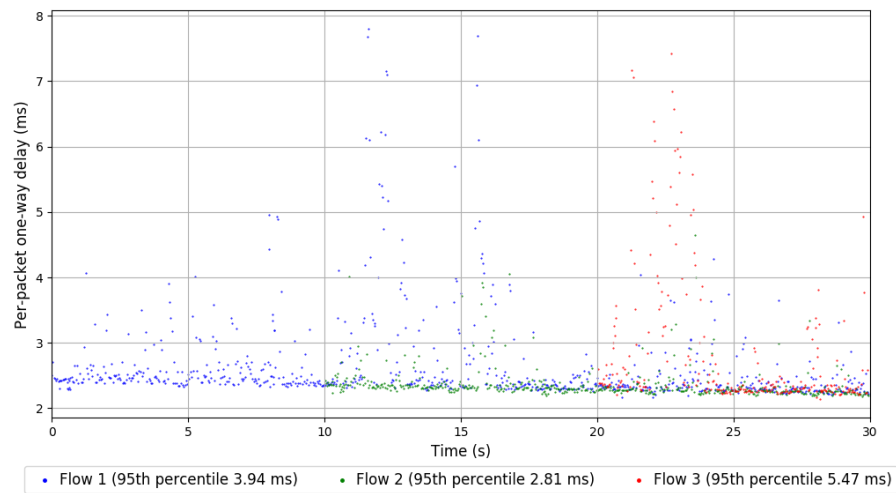
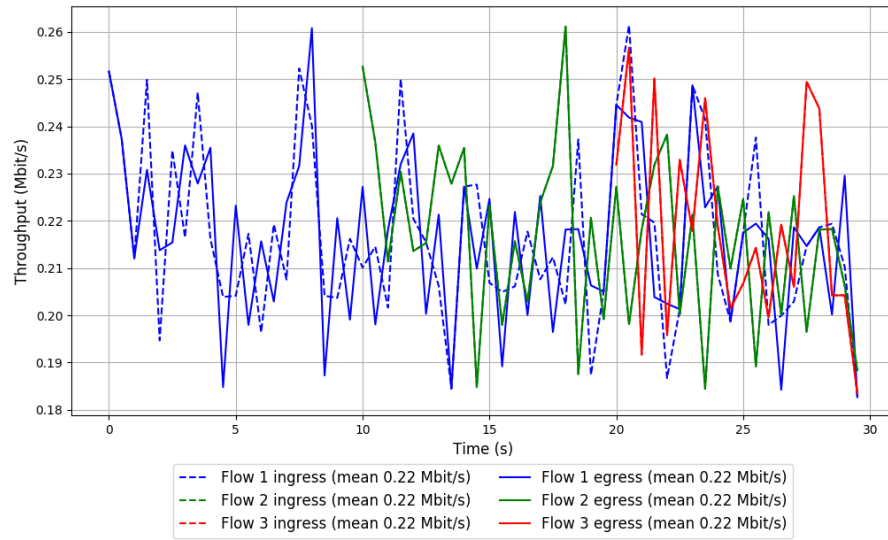


Run 5: Statistics of SReAM

Start at: 2018-04-03 21:56:49
End at: 2018-04-03 21:57:19
Local clock offset: -6.474 ms
Remote clock offset: -4.314 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.889 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.936 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.806 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.474 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

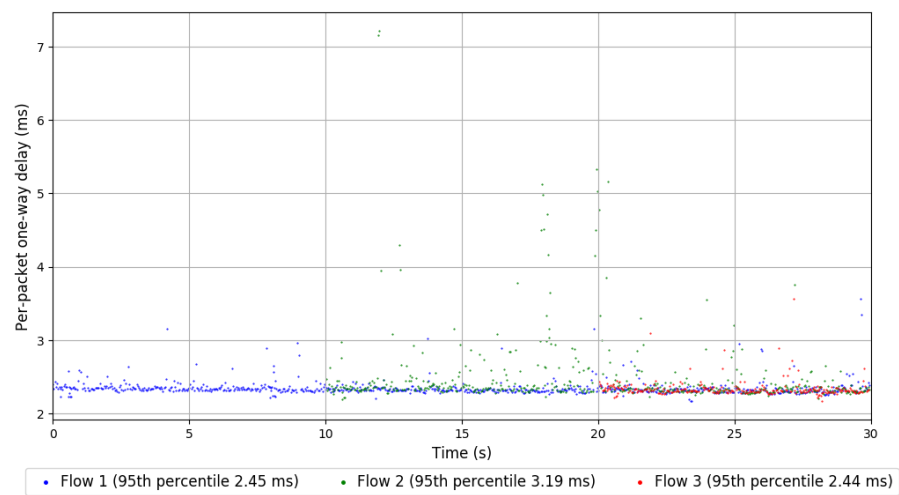
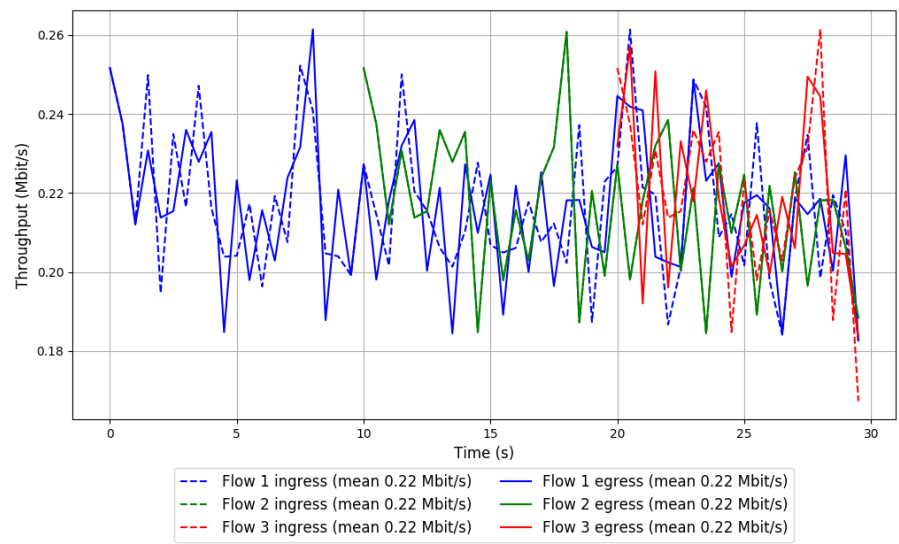


Run 6: Statistics of SReAM

Start at: 2018-04-03 22:17:18
End at: 2018-04-03 22:17:48
Local clock offset: -6.463 ms
Remote clock offset: -0.933 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.441 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

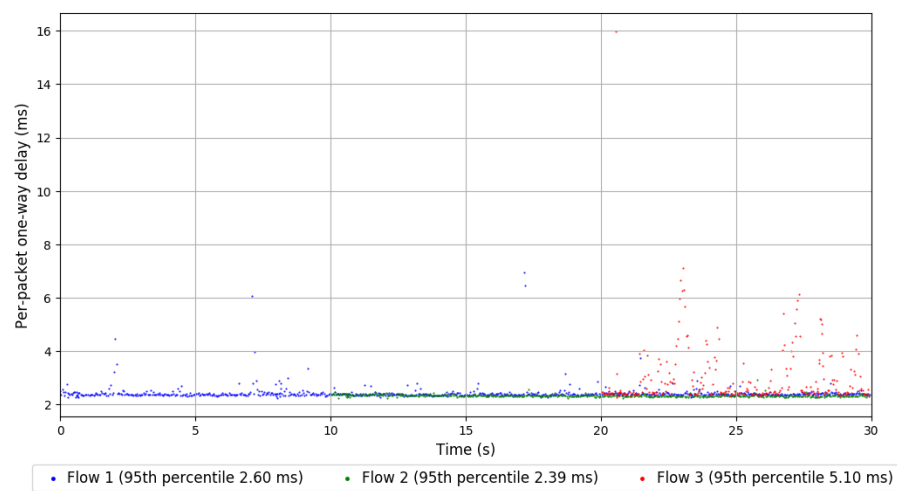
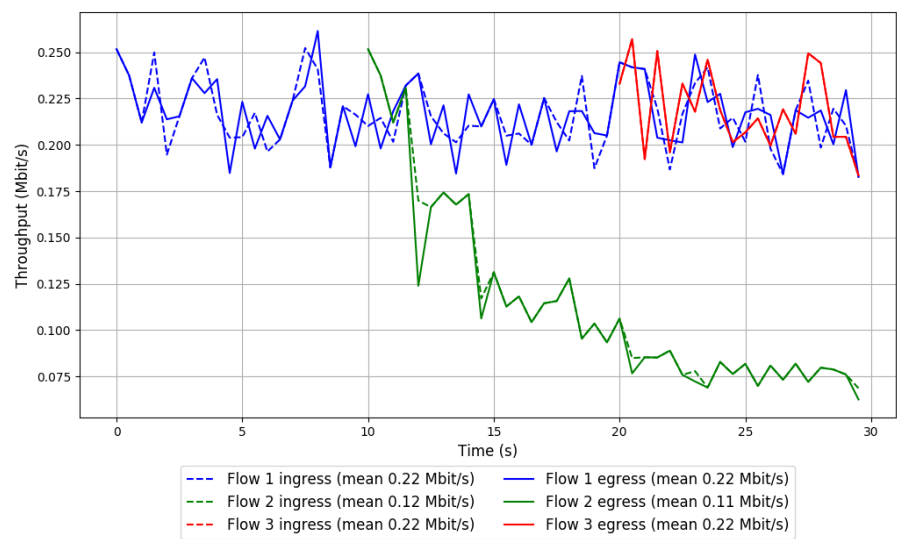


Run 7: Statistics of SReAM

Start at: 2018-04-03 22:37:50
End at: 2018-04-03 22:38:20
Local clock offset: -5.85 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 3.146 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.599 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.104 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

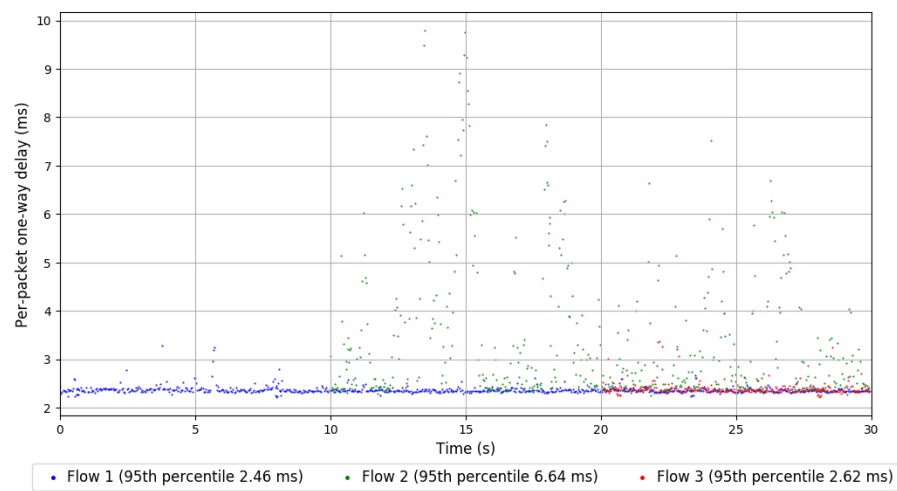
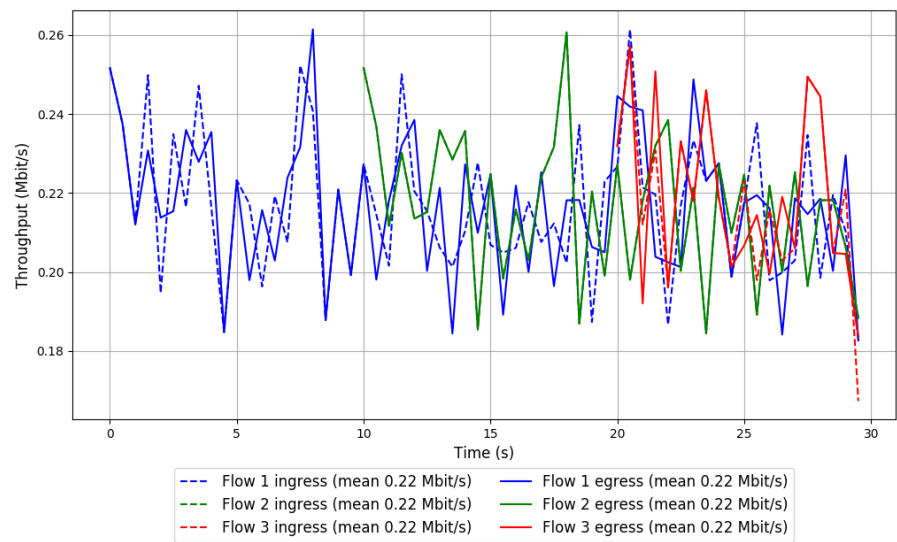


Run 8: Statistics of SReAM

Start at: 2018-04-03 22:58:20
End at: 2018-04-03 22:58:50
Local clock offset: -5.546 ms
Remote clock offset: -1.056 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 5.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.462 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.639 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.622 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

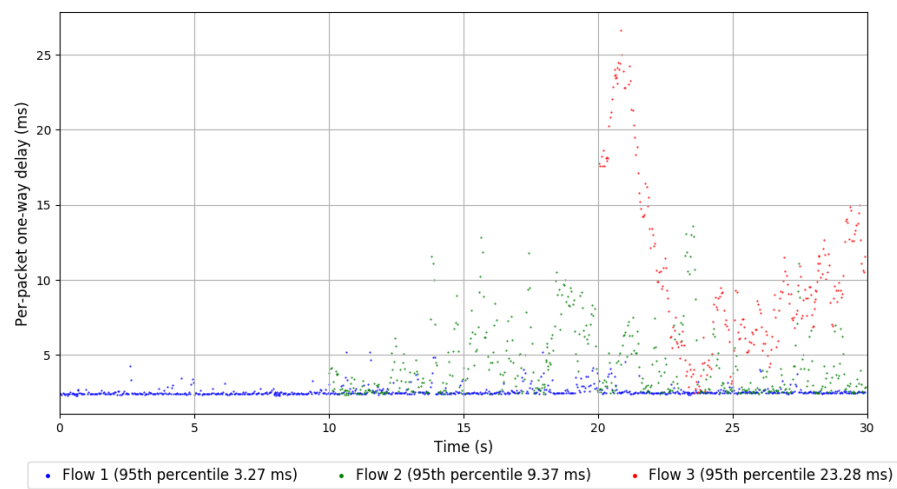
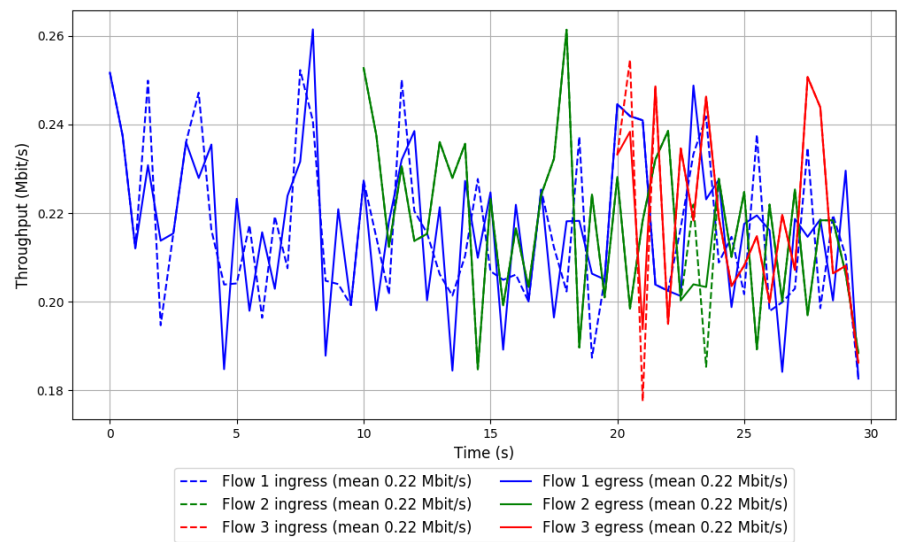


Run 9: Statistics of SReAM

Start at: 2018-04-03 23:18:52
End at: 2018-04-03 23:19:22
Local clock offset: -5.262 ms
Remote clock offset: -7.131 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 12.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.277 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

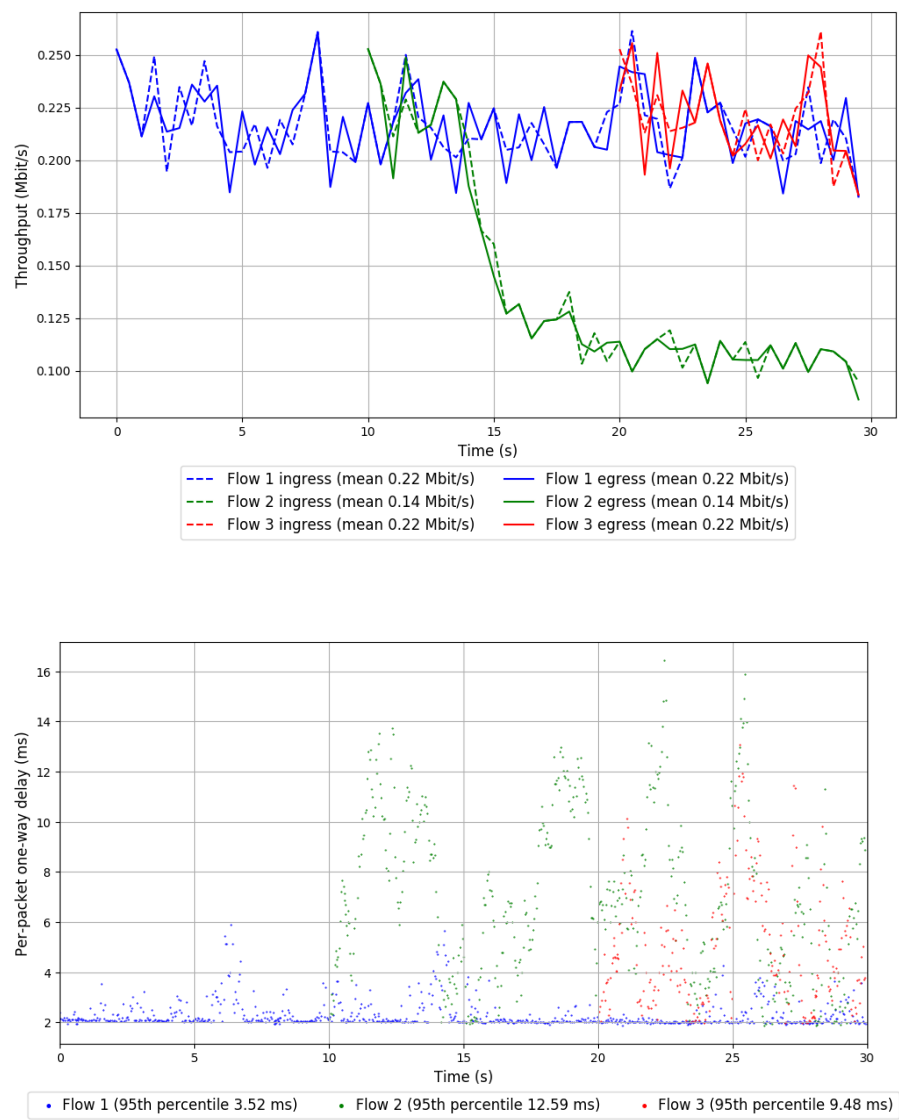


Run 10: Statistics of SReAM

Start at: 2018-04-03 23:39:27
End at: 2018-04-03 23:39:57
Local clock offset: -5.687 ms
Remote clock offset: -7.909 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 11.302 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.524 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 12.592 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.477 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

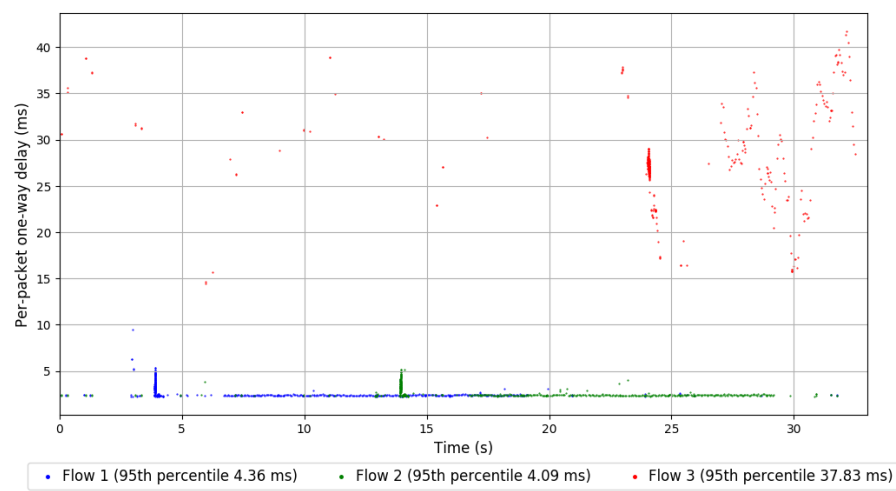
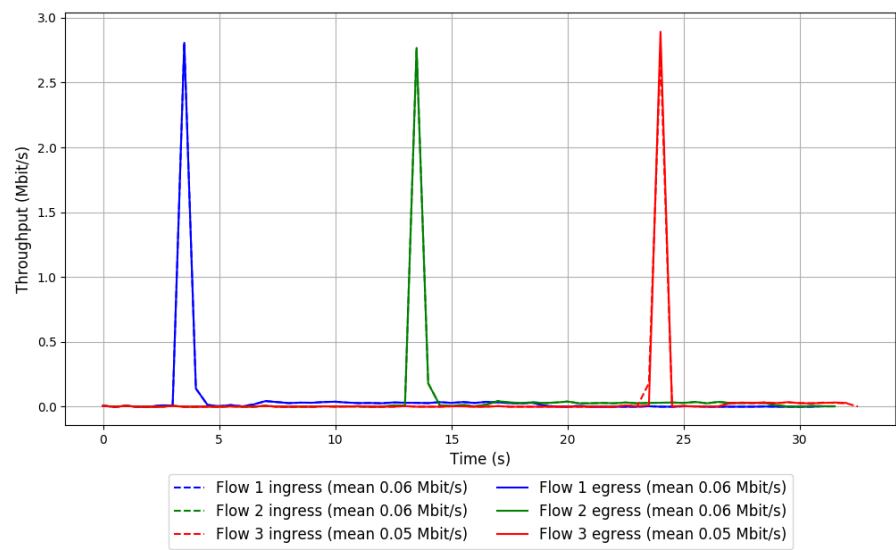


Run 1: Statistics of WebRTC media

Start at: 2018-04-03 20:26:50
End at: 2018-04-03 20:27:20
Local clock offset: -5.808 ms
Remote clock offset: -6.856 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 31.886 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.086 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 37.825 ms
Loss rate: 0.04%

Run 1: Report of WebRTC media — Data Link

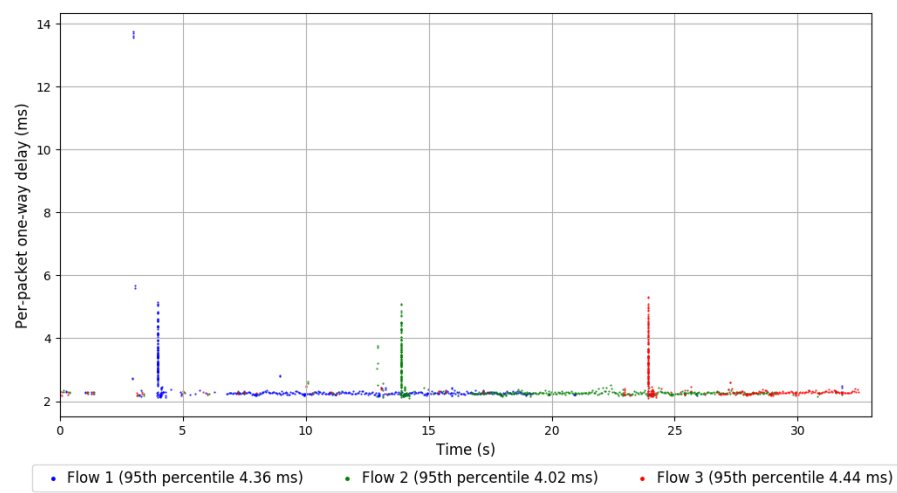
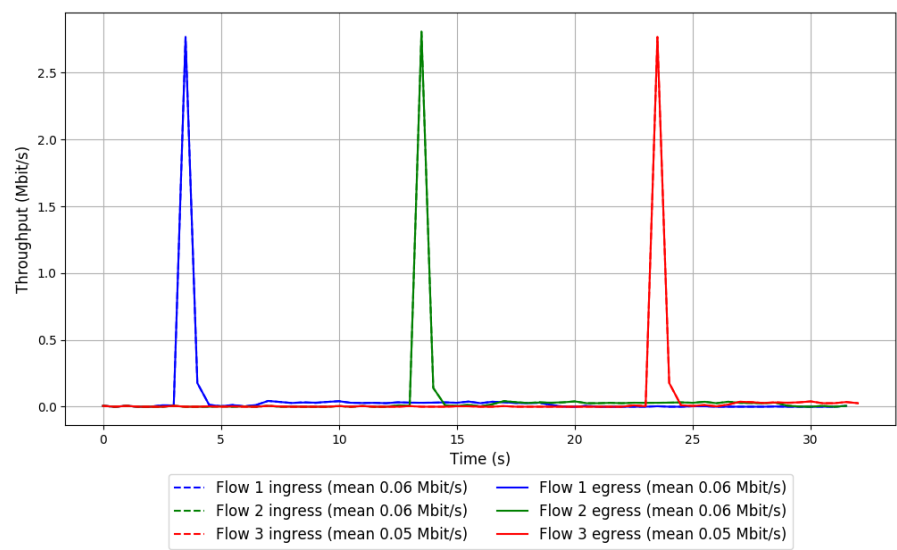


Run 2: Statistics of WebRTC media

Start at: 2018-04-03 20:47:19
End at: 2018-04-03 20:47:49
Local clock offset: -6.326 ms
Remote clock offset: -6.967 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 4.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.438 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

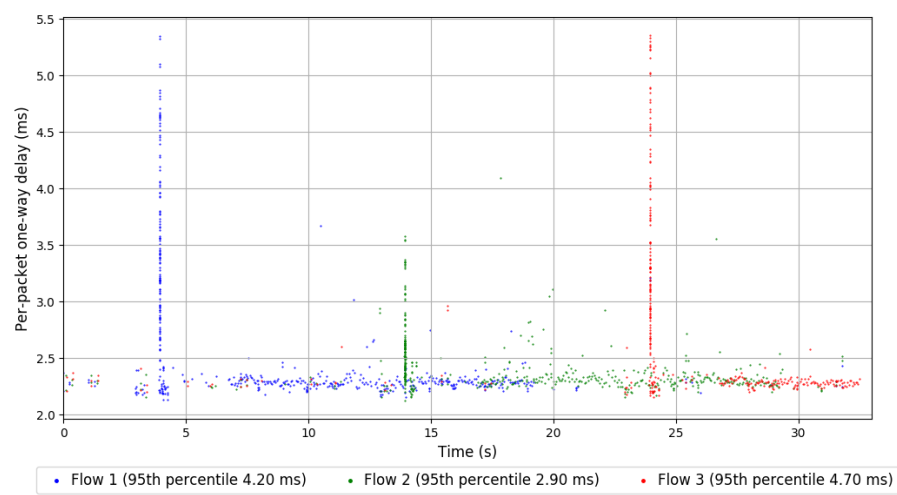
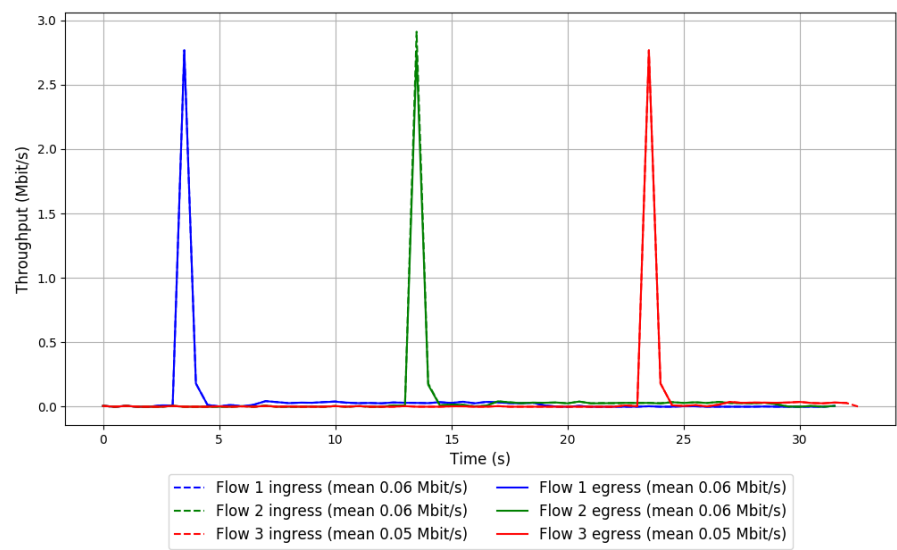


Run 3: Statistics of WebRTC media

Start at: 2018-04-03 21:07:50
End at: 2018-04-03 21:08:20
Local clock offset: -6.718 ms
Remote clock offset: -7.083 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 4.004 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.197 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.905 ms
Loss rate: 4.25%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.698 ms
Loss rate: 0.04%

Run 3: Report of WebRTC media — Data Link

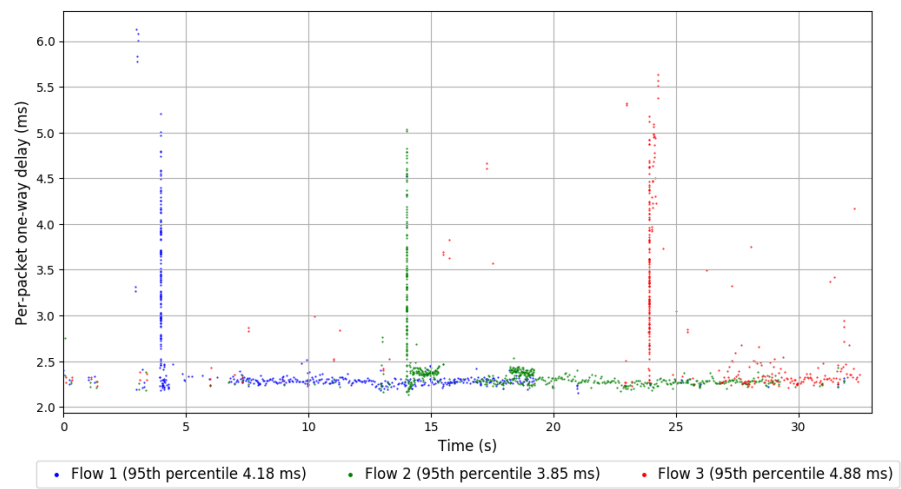
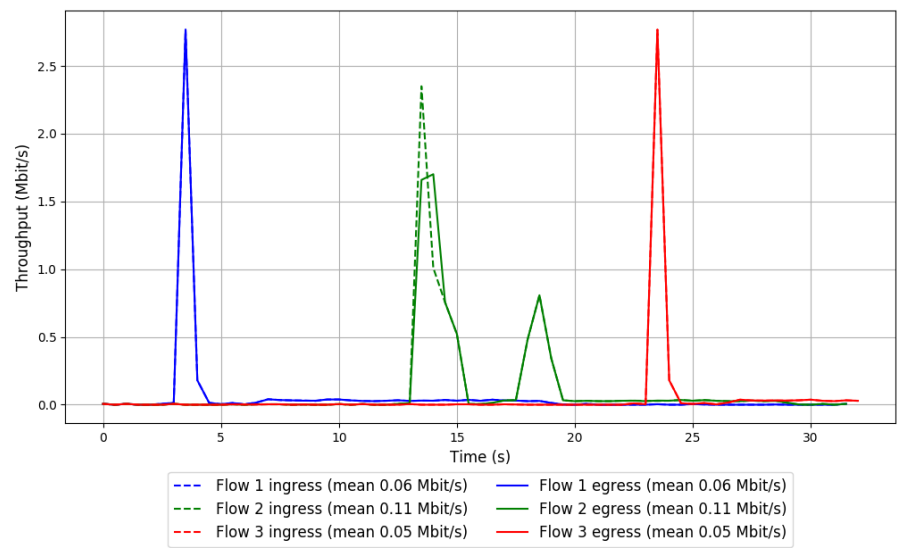


Run 4: Statistics of WebRTC media

Start at: 2018-04-03 21:28:22
End at: 2018-04-03 21:28:52
Local clock offset: -6.334 ms
Remote clock offset: -6.568 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.183 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 3.846 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.875 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

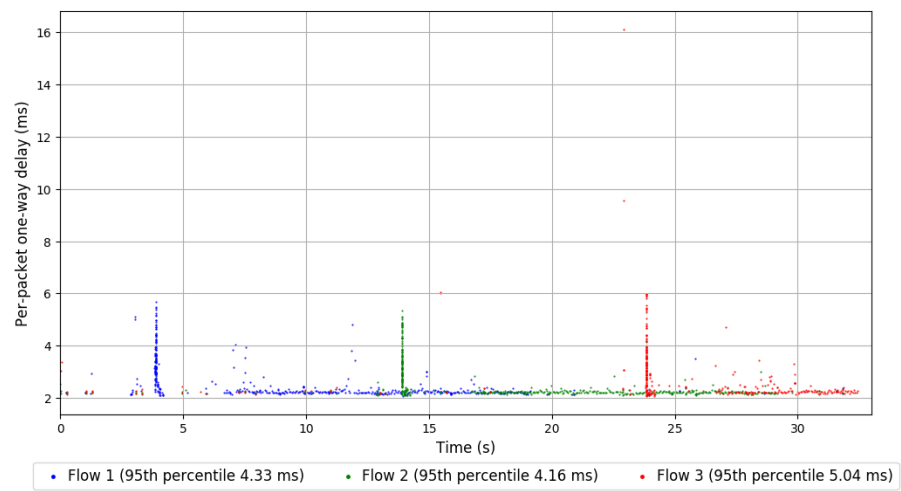
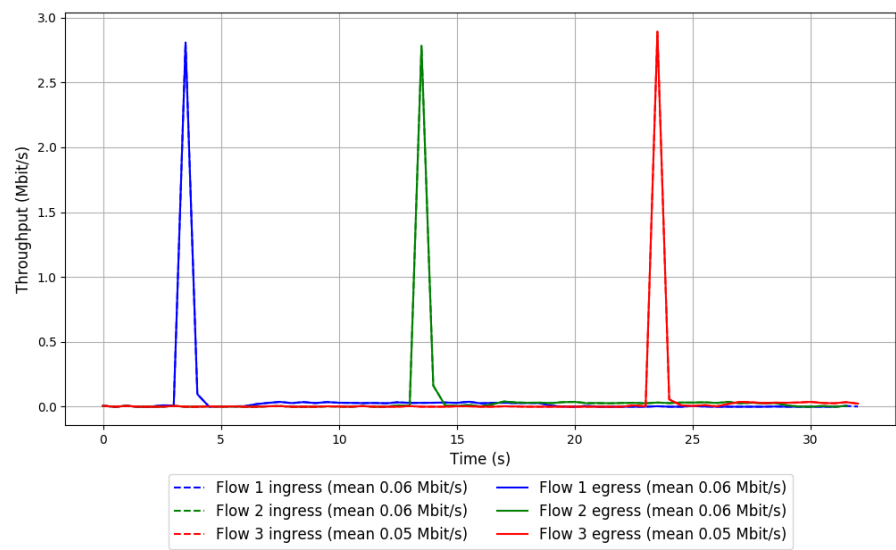


Run 5: Statistics of WebRTC media

Start at: 2018-04-03 21:48:54
End at: 2018-04-03 21:49:24
Local clock offset: -6.3 ms
Remote clock offset: -6.364 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 4.405 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.333 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.043 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

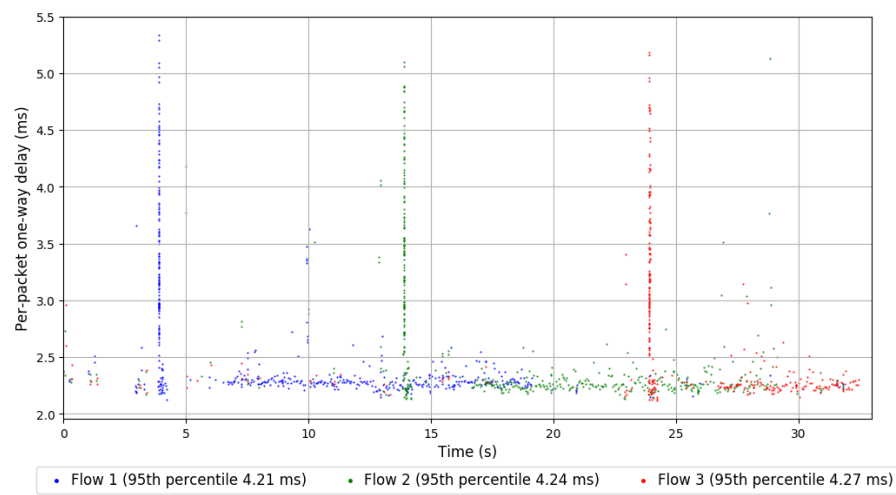
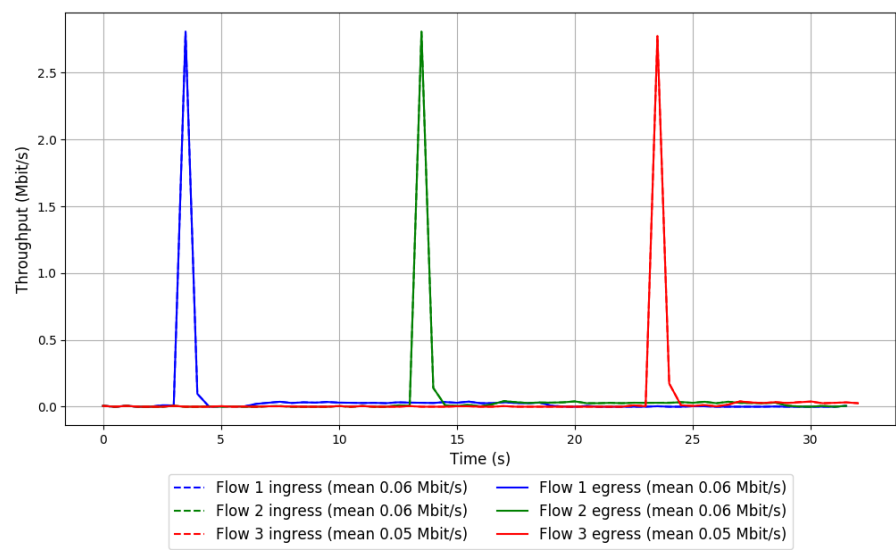


Run 6: Statistics of WebRTC media

Start at: 2018-04-03 22:09:23
End at: 2018-04-03 22:09:53
Local clock offset: -6.44 ms
Remote clock offset: -1.703 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 4.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.269 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-03 22:29:55

End at: 2018-04-03 22:30:25

Local clock offset: -6.021 ms

Remote clock offset: -0.75 ms

Below is generated by plot.py at 2018-04-04 00:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 4.971 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4.399 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4.160 ms

Loss rate: 0.00%

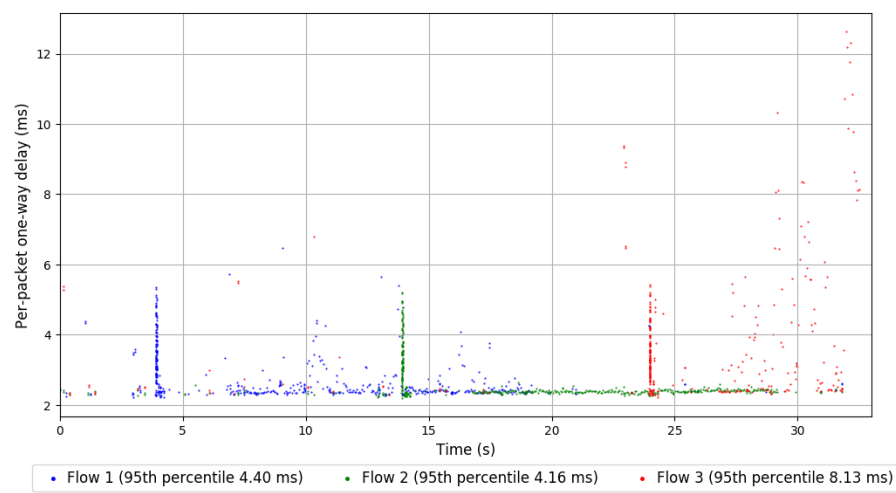
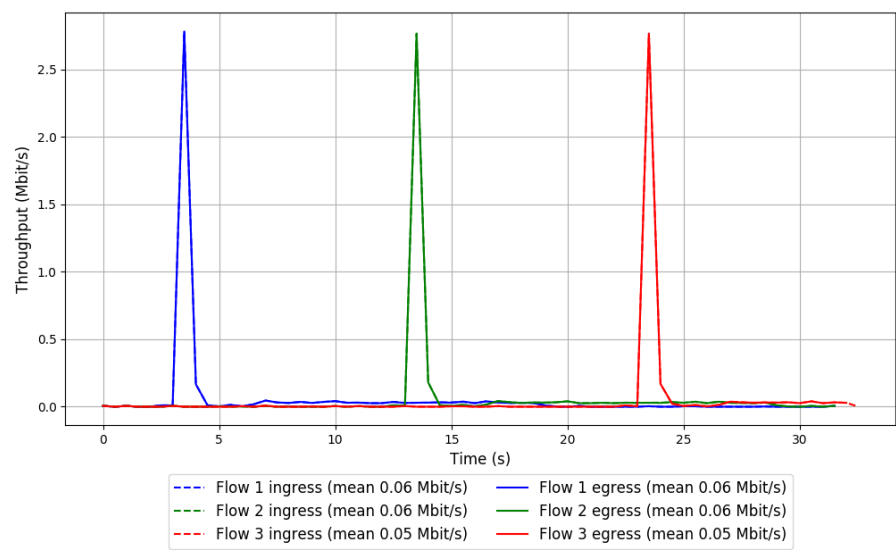
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 8.129 ms

Loss rate: 0.04%

Run 7: Report of WebRTC media — Data Link

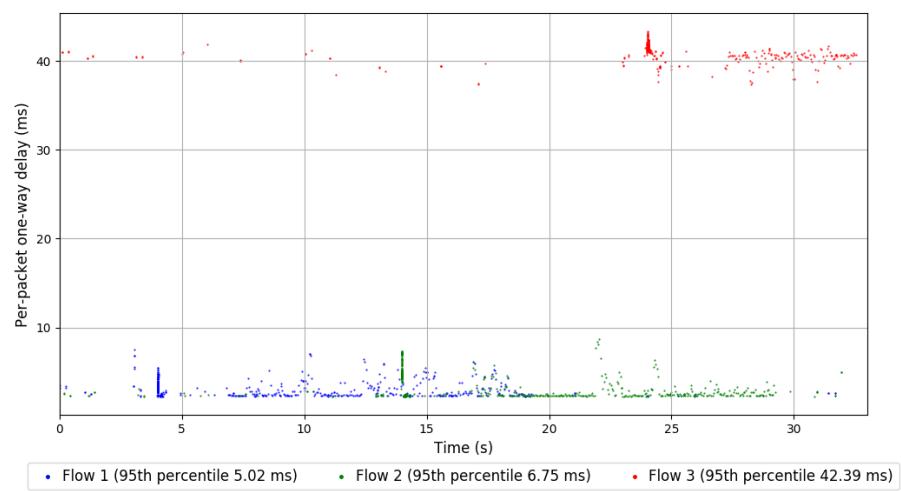
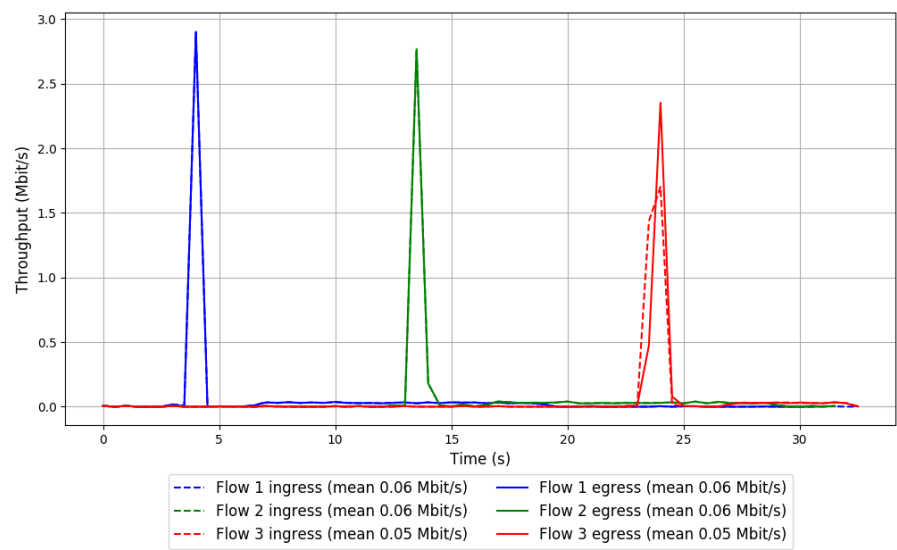


Run 8: Statistics of WebRTC media

Start at: 2018-04-03 22:50:25
End at: 2018-04-03 22:50:55
Local clock offset: -5.695 ms
Remote clock offset: -1.252 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 41.592 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 5.021 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 6.745 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 42.388 ms
Loss rate: 7.23%

Run 8: Report of WebRTC media — Data Link

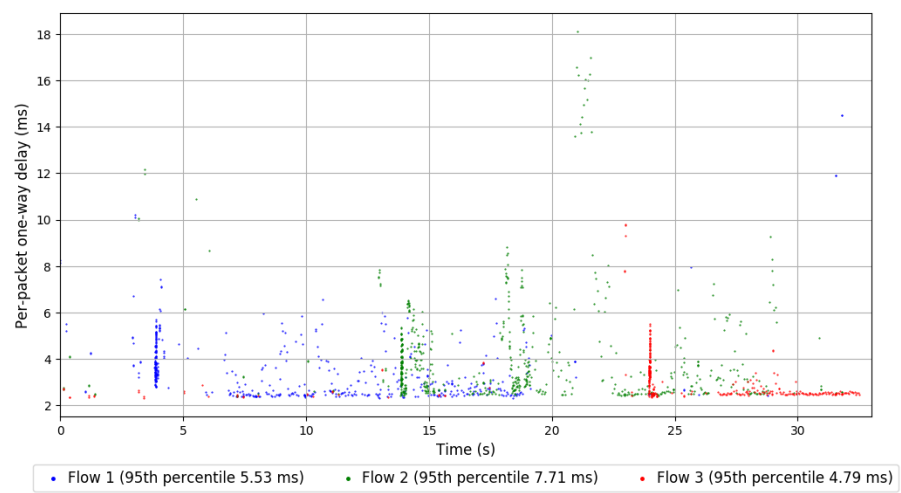
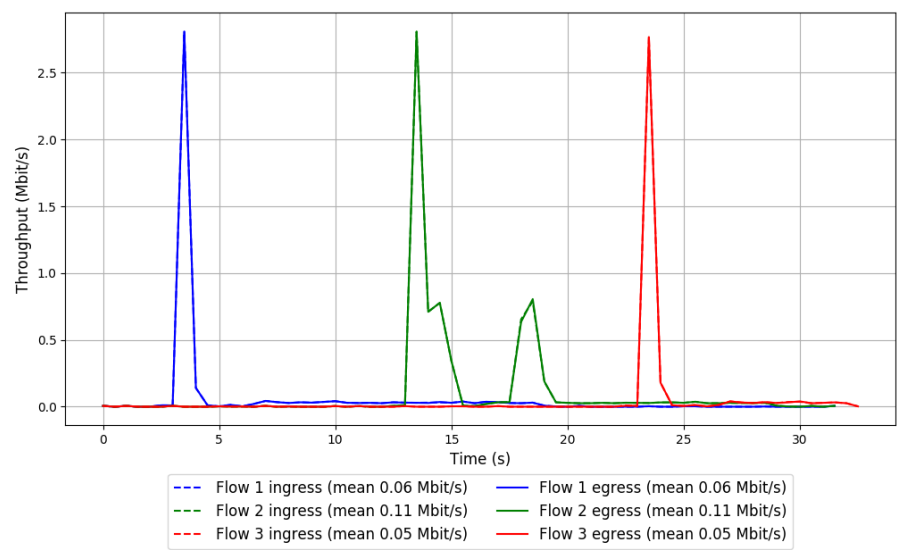


Run 9: Statistics of WebRTC media

Start at: 2018-04-03 23:10:56
End at: 2018-04-03 23:11:26
Local clock offset: -5.418 ms
Remote clock offset: -5.549 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 5.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 7.706 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.786 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

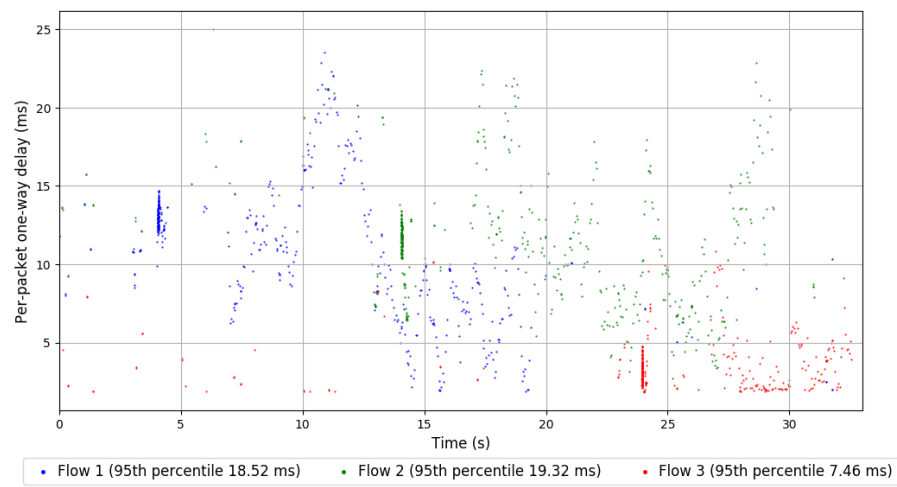
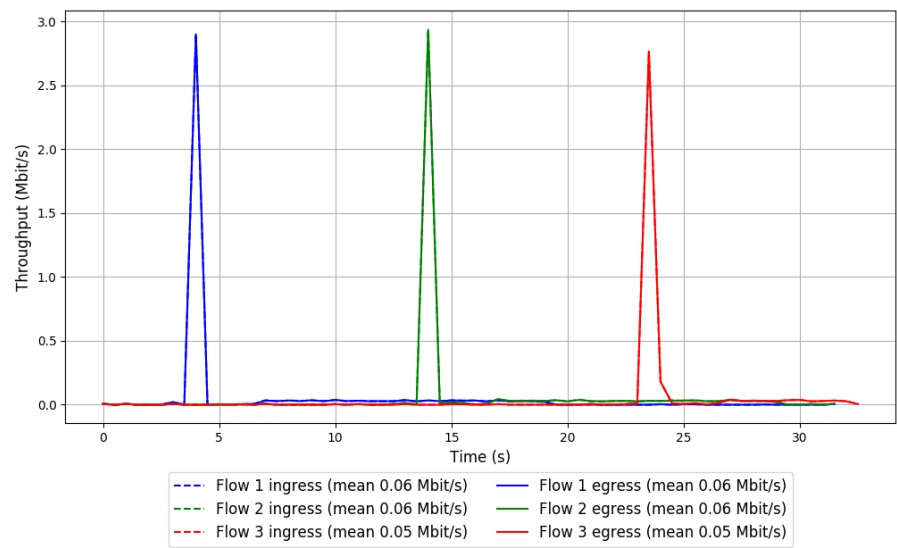


Run 10: Statistics of WebRTC media

Start at: 2018-04-03 23:31:30
End at: 2018-04-03 23:32:00
Local clock offset: -5.11 ms
Remote clock offset: -8.625 ms

Below is generated by plot.py at 2018-04-04 00:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 17.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 18.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.461 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

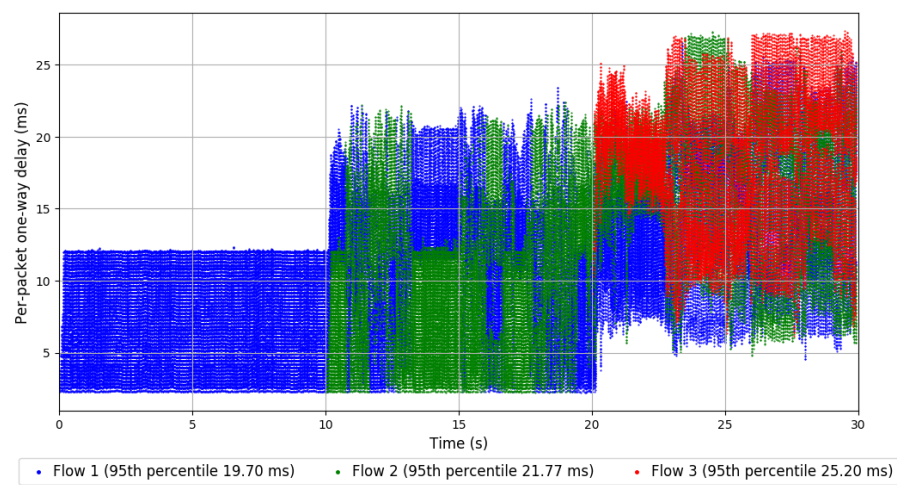
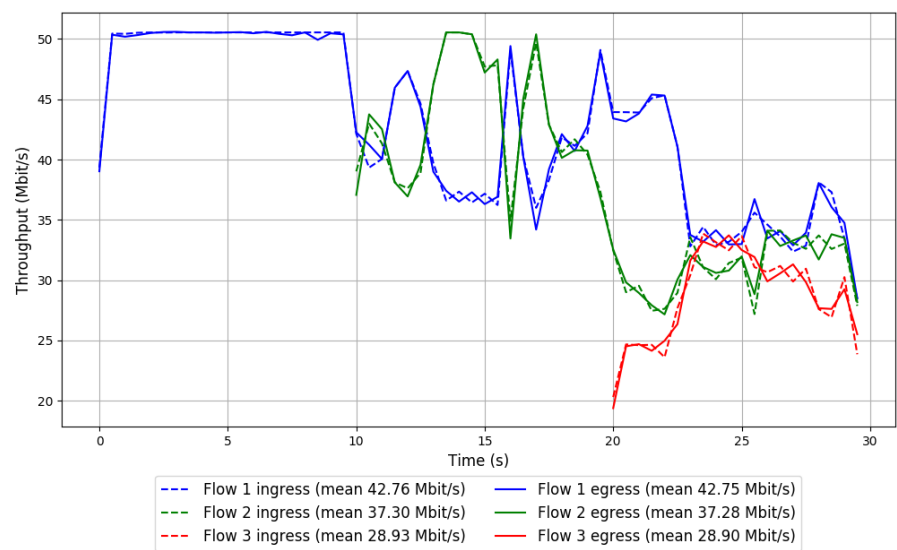


Run 1: Statistics of Sprout

Start at: 2018-04-03 20:42:46
End at: 2018-04-03 20:43:16
Local clock offset: -6.079 ms
Remote clock offset: -6.895 ms

Below is generated by plot.py at 2018-04-04 00:27:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 22.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 19.702 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 21.769 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 25.205 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

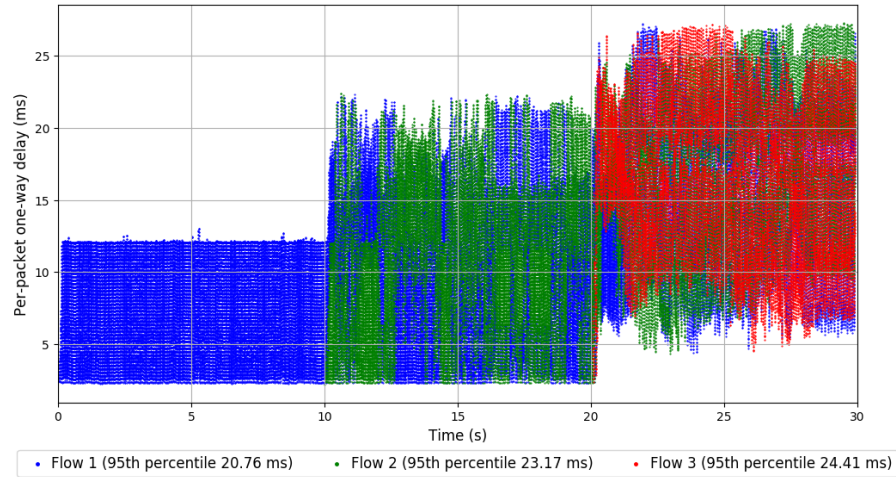
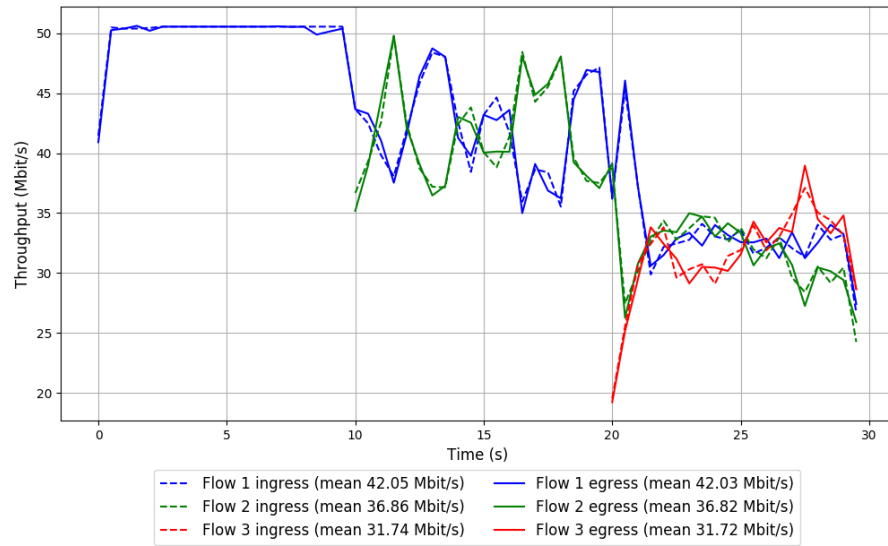


Run 2: Statistics of Sprout

Start at: 2018-04-03 21:03:17
End at: 2018-04-03 21:03:47
Local clock offset: -6.695 ms
Remote clock offset: -7.07 ms

Below is generated by plot.py at 2018-04-04 00:27:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 22.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 20.758 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 23.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 24.407 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

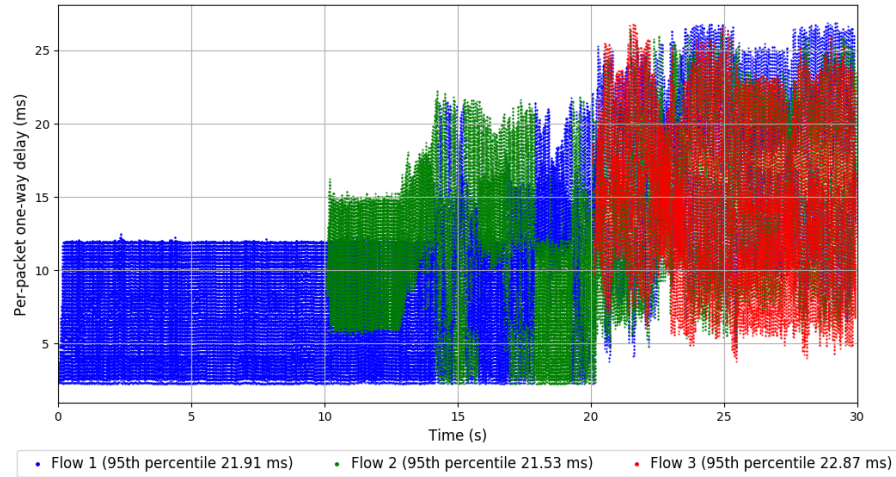
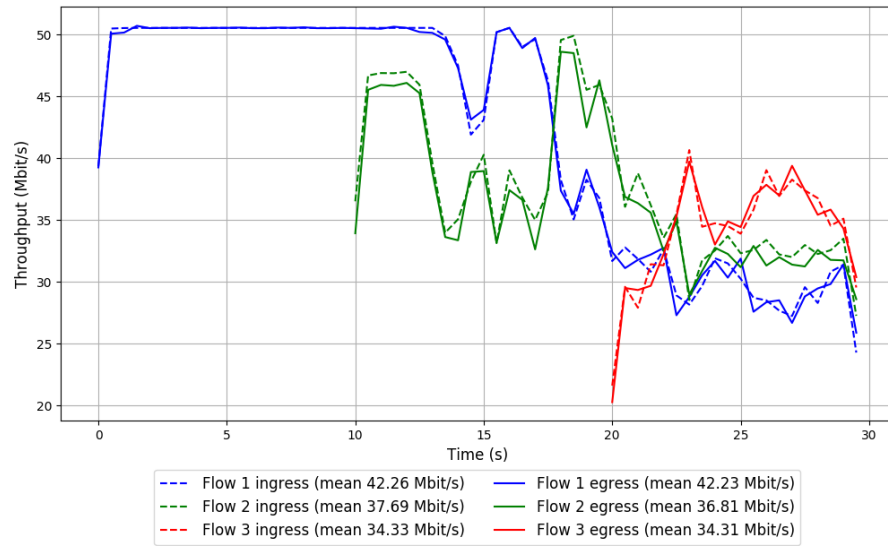


Run 3: Statistics of Sprout

Start at: 2018-04-03 21:23:49
End at: 2018-04-03 21:24:19
Local clock offset: -6.41 ms
Remote clock offset: -6.791 ms

```
# Below is generated by plot.py at 2018-04-04 00:27:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.05 Mbit/s
95th percentile per-packet one-way delay: 22.049 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 21.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 21.533 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 22.872 ms
Loss rate: 0.01%
```


Run 3: Report of Sprout — Data Link

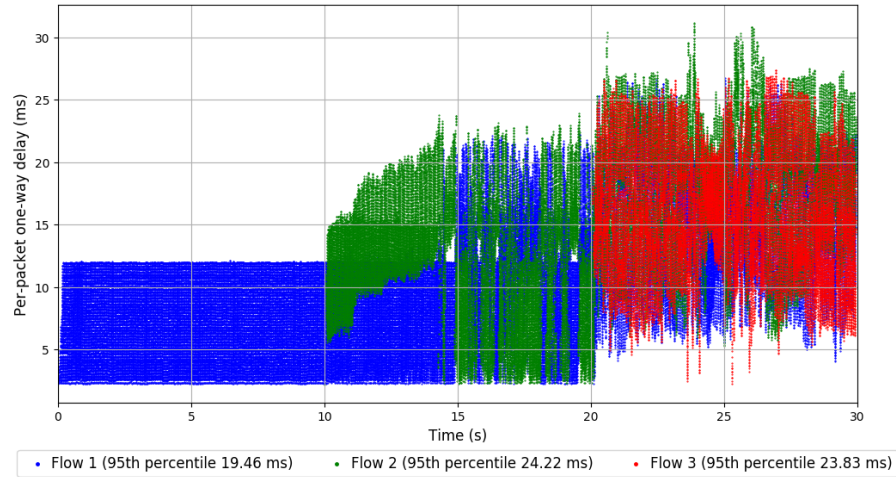
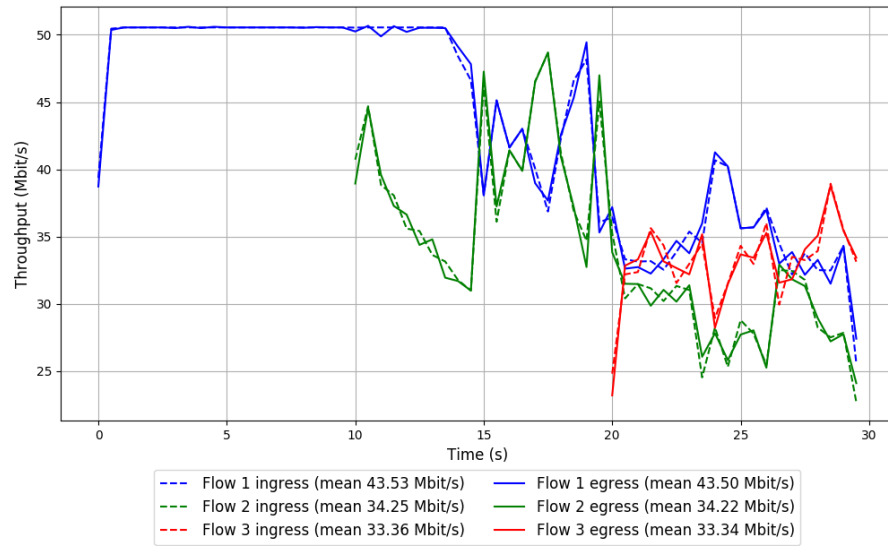


Run 4: Statistics of Sprout

Start at: 2018-04-03 21:44:21
End at: 2018-04-03 21:44:51
Local clock offset: -6.218 ms
Remote clock offset: -6.321 ms

```
# Below is generated by plot.py at 2018-04-04 00:27:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 22.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 19.456 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 24.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 23.832 ms
Loss rate: 0.01%
```

Run 4: Report of Sprout — Data Link

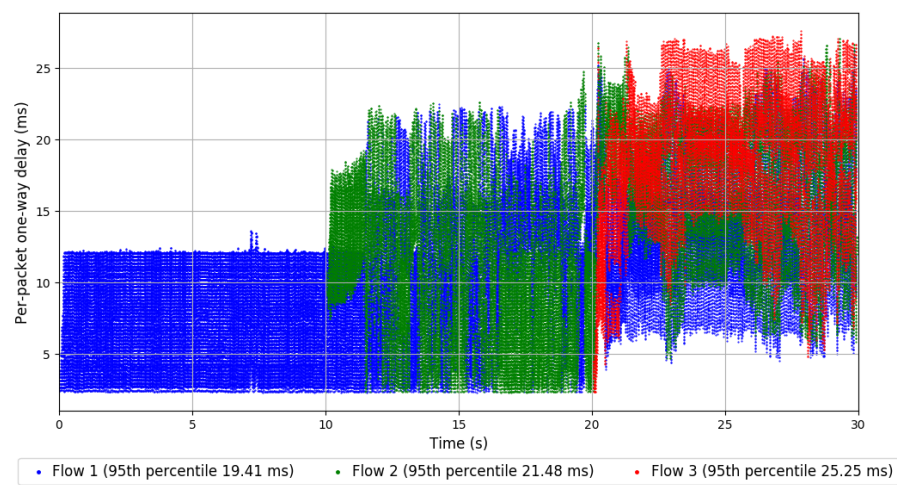
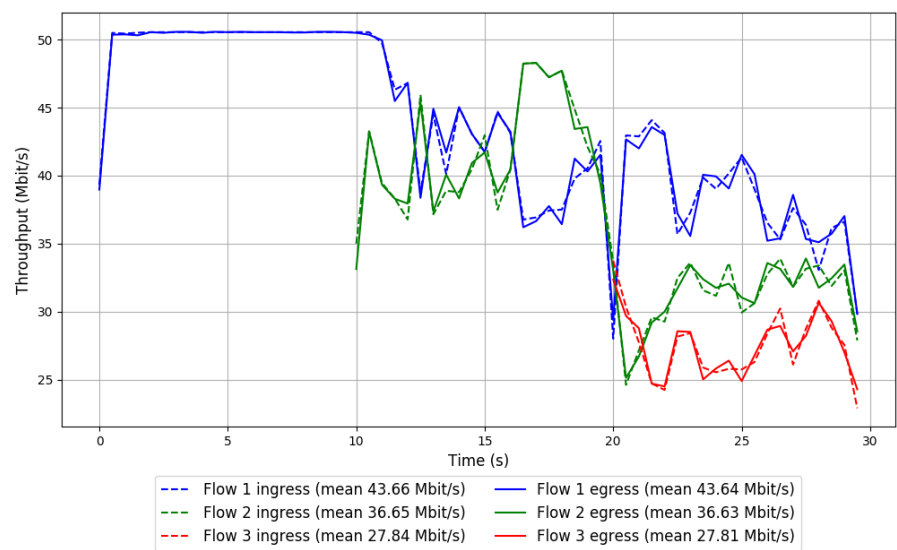


Run 5: Statistics of Sprout

Start at: 2018-04-03 22:04:51
End at: 2018-04-03 22:05:21
Local clock offset: -6.507 ms
Remote clock offset: -2.385 ms

Below is generated by plot.py at 2018-04-04 00:27:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 21.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.64 Mbit/s
95th percentile per-packet one-way delay: 19.408 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 21.482 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.81 Mbit/s
95th percentile per-packet one-way delay: 25.253 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

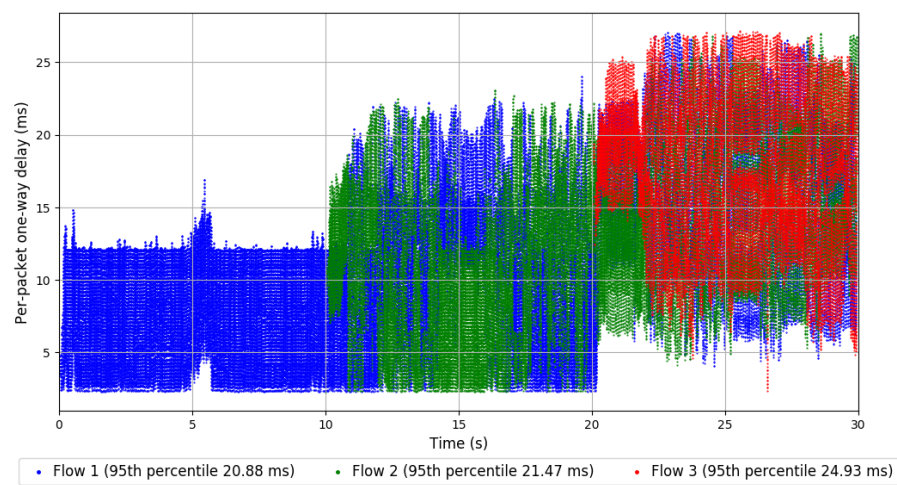
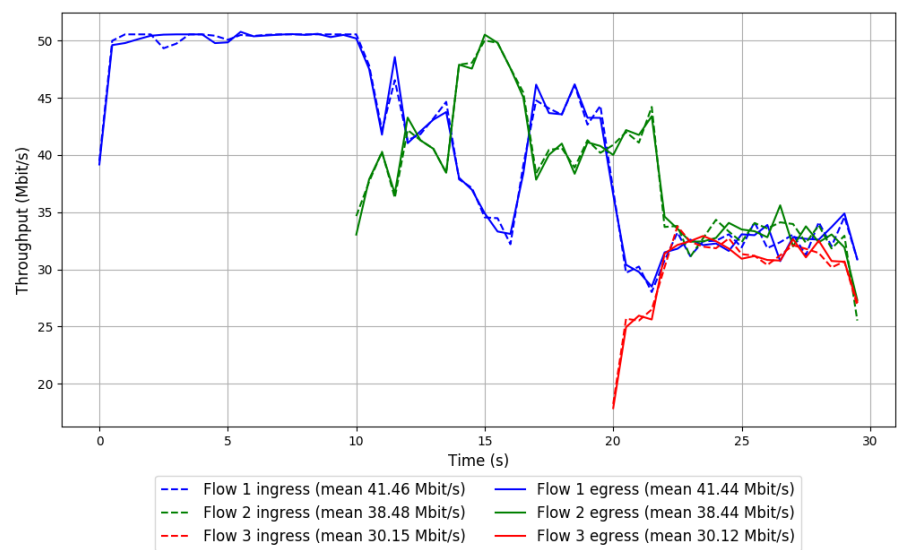


Run 6: Statistics of Sprout

Start at: 2018-04-03 22:25:23
End at: 2018-04-03 22:25:53
Local clock offset: -6.192 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-04-04 00:27:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 22.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 20.881 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 21.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 24.933 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

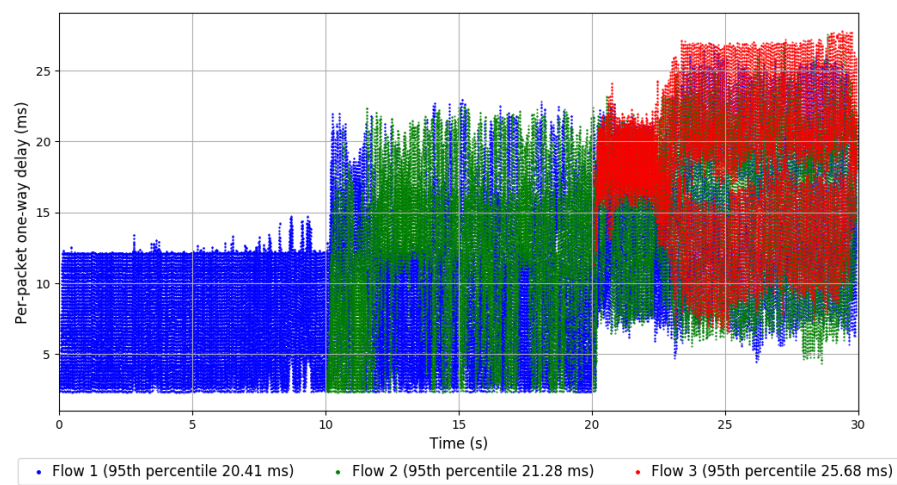
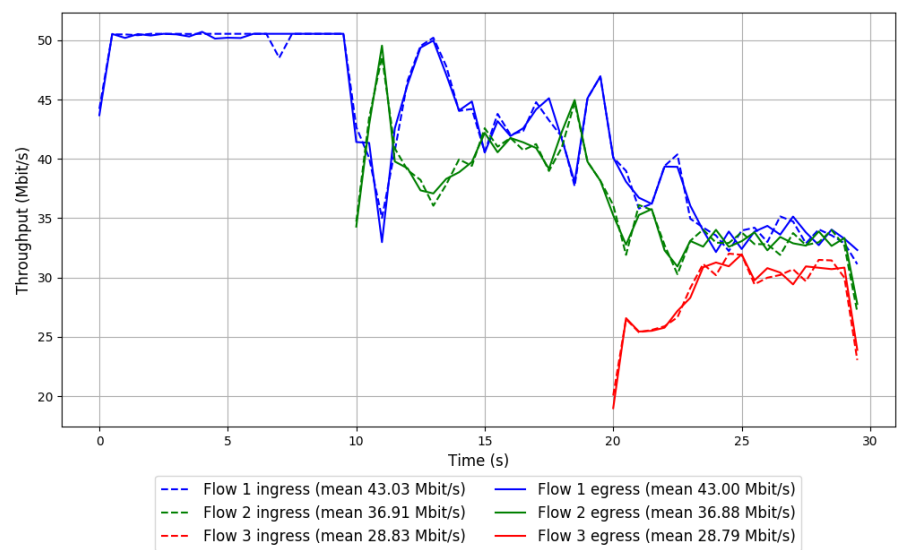


Run 7: Statistics of Sprout

Start at: 2018-04-03 22:45:53
End at: 2018-04-03 22:46:23
Local clock offset: -5.758 ms
Remote clock offset: -1.315 ms

Below is generated by plot.py at 2018-04-04 00:28:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 22.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.00 Mbit/s
95th percentile per-packet one-way delay: 20.415 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 21.282 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 25.684 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

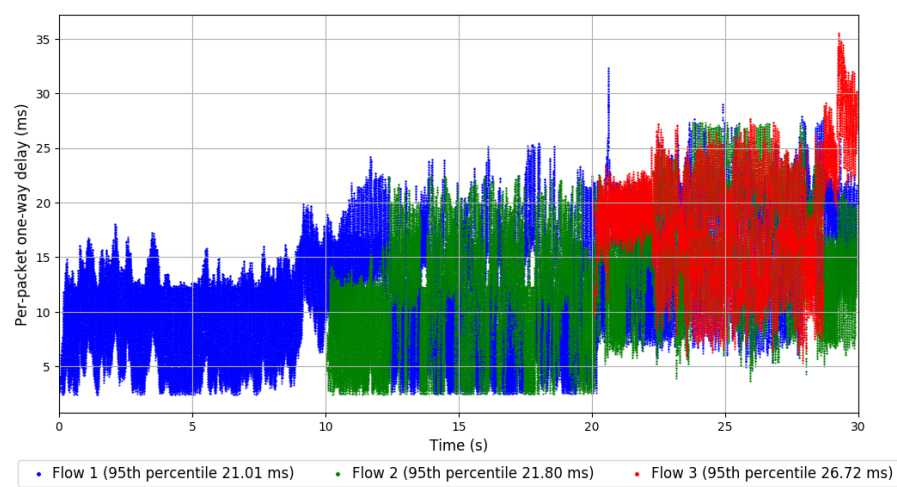
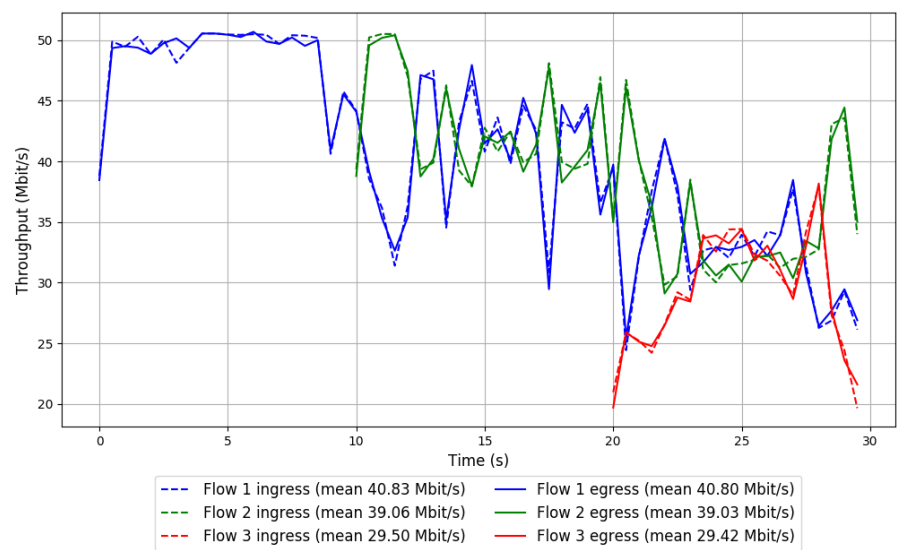


Run 8: Statistics of Sprout

Start at: 2018-04-03 23:06:24
End at: 2018-04-03 23:06:54
Local clock offset: -5.512 ms
Remote clock offset: -4.155 ms

Below is generated by plot.py at 2018-04-04 00:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 22.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 21.007 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 21.803 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 26.716 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

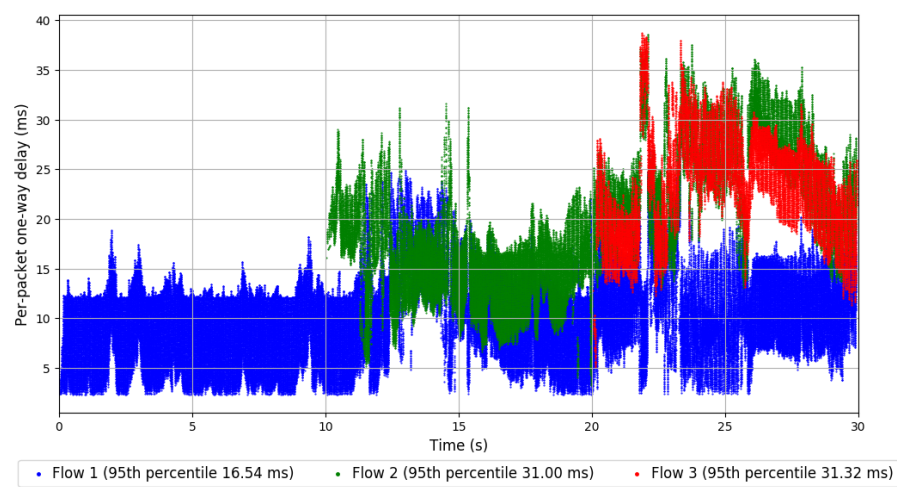
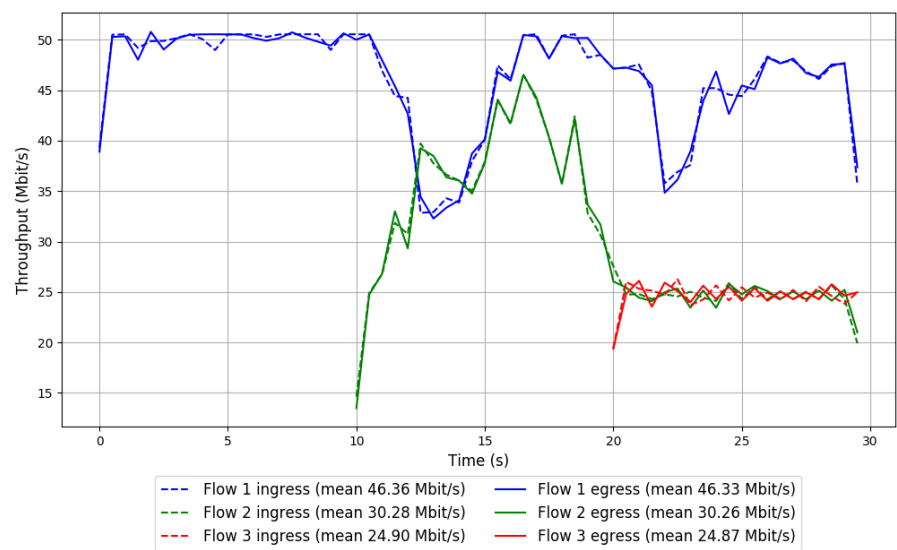


Run 9: Statistics of Sprout

Start at: 2018-04-03 23:26:57
End at: 2018-04-03 23:27:27
Local clock offset: -5.24 ms
Remote clock offset: -8.232 ms

Below is generated by plot.py at 2018-04-04 00:28:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 28.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.33 Mbit/s
95th percentile per-packet one-way delay: 16.544 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 30.996 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 31.318 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

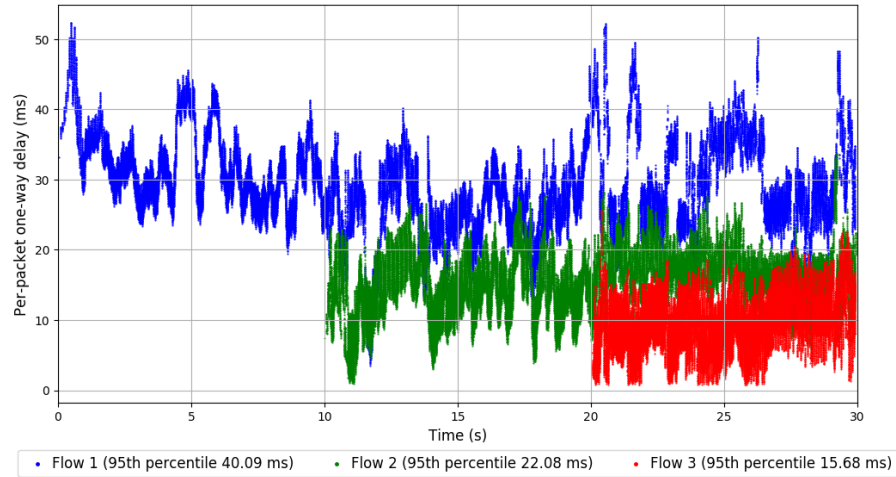
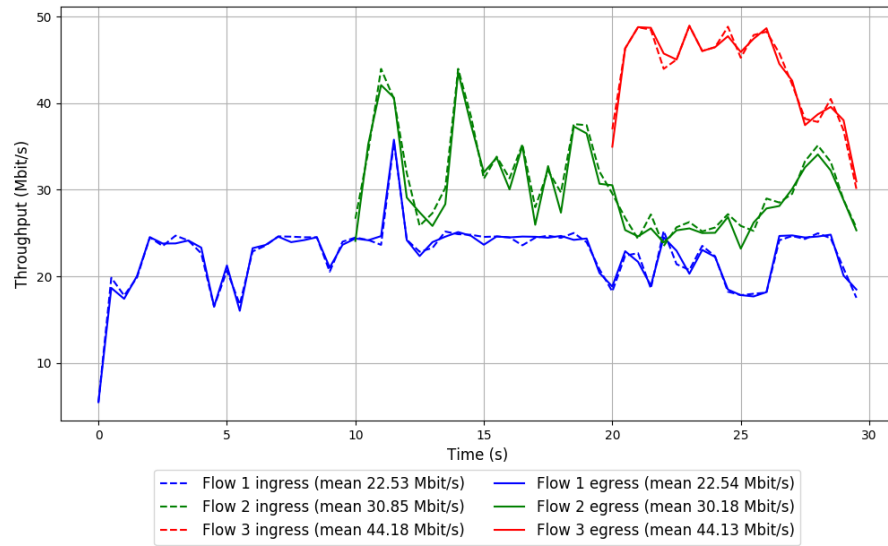


Run 10: Statistics of Sprout

Start at: 2018-04-03 23:47:33
End at: 2018-04-03 23:48:03
Local clock offset: -6.177 ms
Remote clock offset: -8.736 ms

Below is generated by plot.py at 2018-04-04 00:28:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 35.916 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: 40.095 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 22.084 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 15.677 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

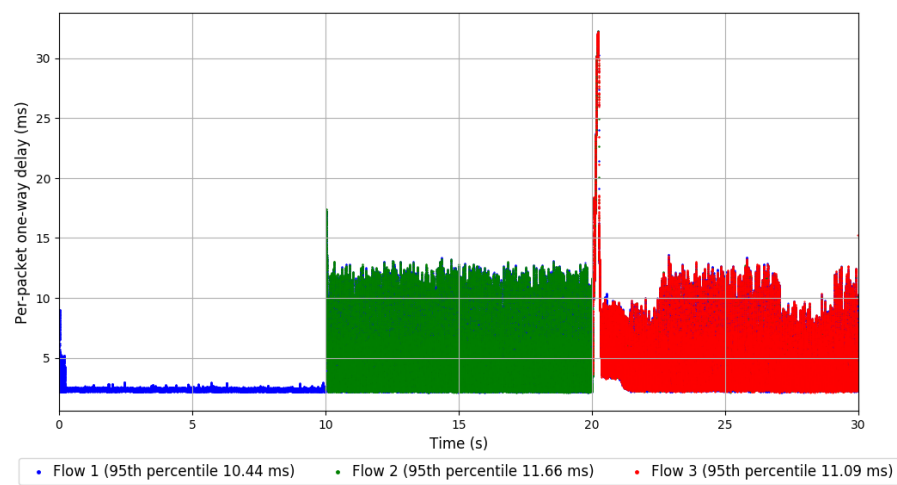
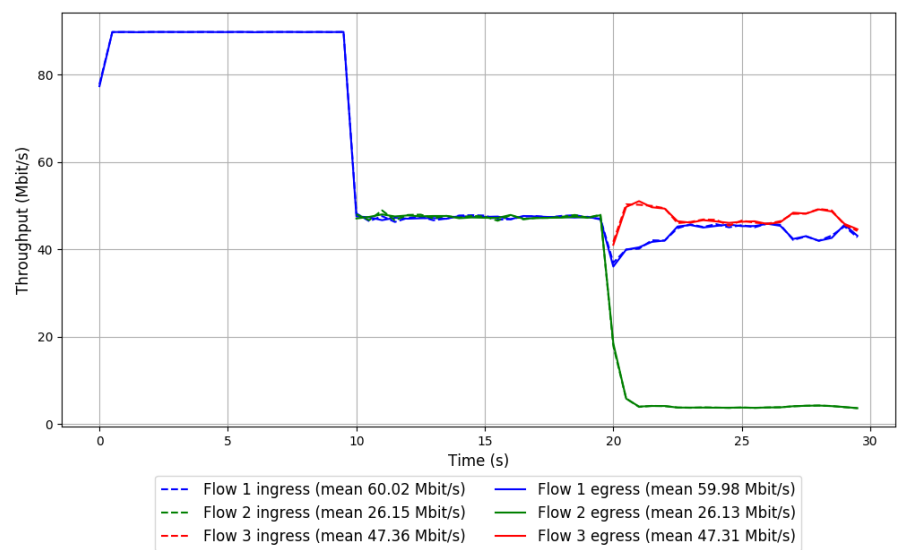


Run 1: Statistics of TaoVA-100x

Start at: 2018-04-03 20:39:17
End at: 2018-04-03 20:39:47
Local clock offset: -5.737 ms
Remote clock offset: -6.968 ms

Below is generated by plot.py at 2018-04-04 00:30:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 10.952 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.98 Mbit/s
95th percentile per-packet one-way delay: 10.444 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 11.656 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 47.31 Mbit/s
95th percentile per-packet one-way delay: 11.094 ms
Loss rate: 0.02%

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

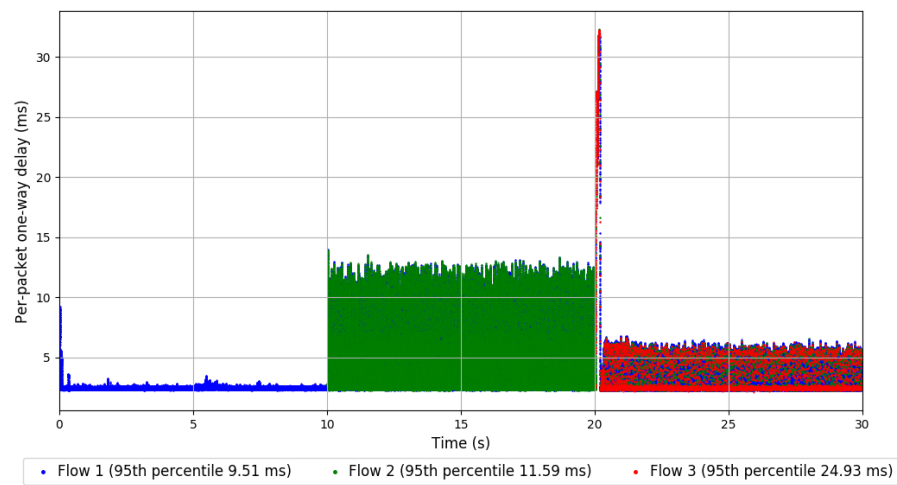
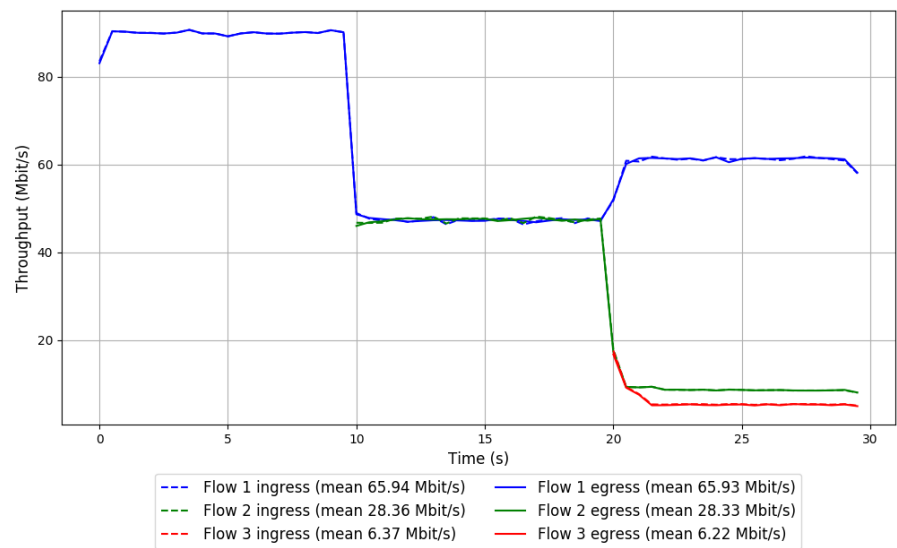


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-03 20:59:47
End at: 2018-04-03 21:00:17
Local clock offset: -6.672 ms
Remote clock offset: -7.138 ms

Below is generated by plot.py at 2018-04-04 00:30:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 10.601 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 65.93 Mbit/s
95th percentile per-packet one-way delay: 9.507 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.33 Mbit/s
95th percentile per-packet one-way delay: 11.587 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 24.927 ms
Loss rate: 2.42%

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

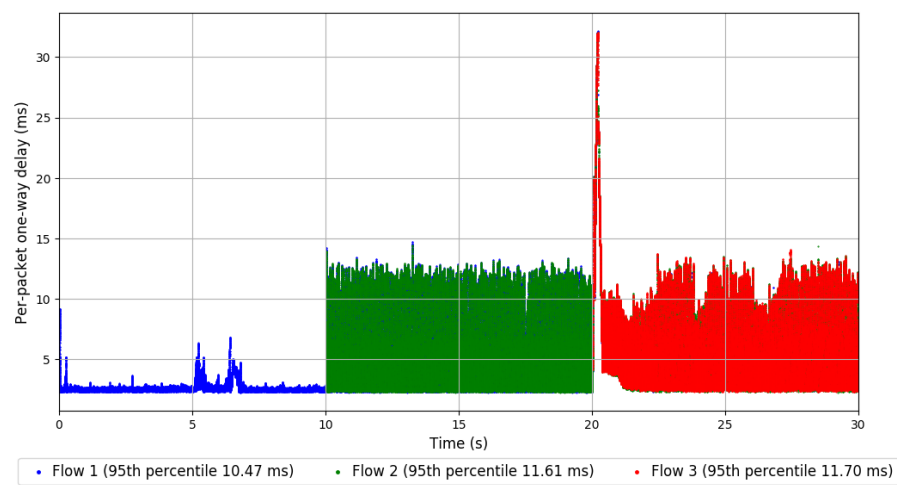
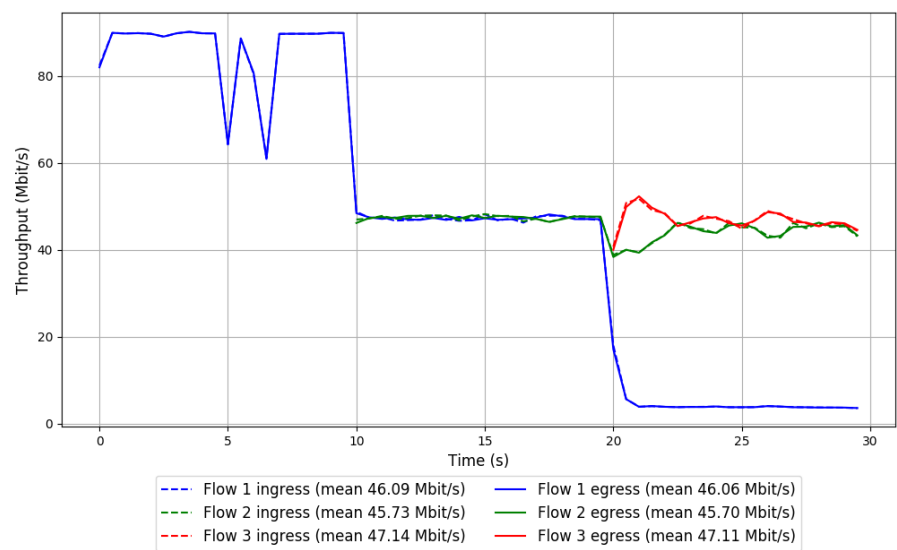


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-03 21:20:18
End at: 2018-04-03 21:20:48
Local clock offset: -6.445 ms
Remote clock offset: -6.933 ms

Below is generated by plot.py at 2018-04-04 00:30:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 11.229 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 10.469 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 11.613 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 11.700 ms
Loss rate: 0.03%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-03 21:40:51

End at: 2018-04-03 21:41:21

Local clock offset: -6.252 ms

Remote clock offset: -6.35 ms

Below is generated by plot.py at 2018-04-04 00:30:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.42 Mbit/s

95th percentile per-packet one-way delay: 9.290 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 48.98 Mbit/s

95th percentile per-packet one-way delay: 8.456 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 9.963 ms

Loss rate: 0.02%

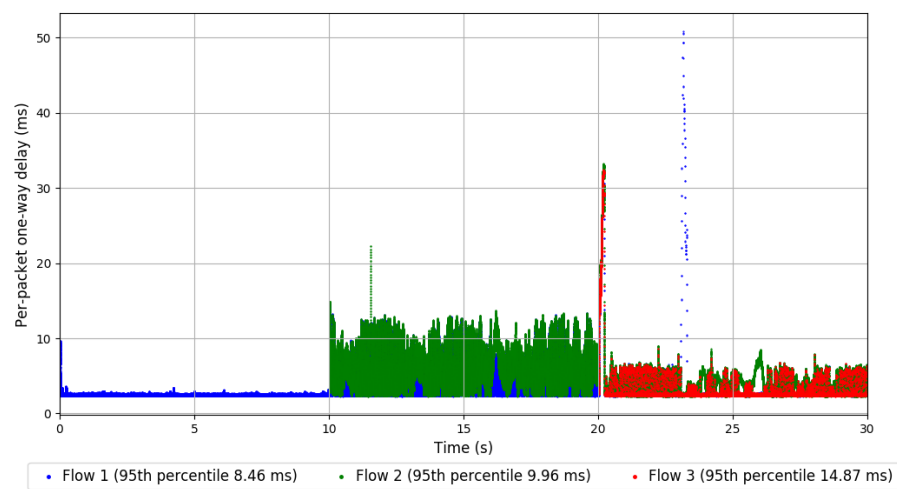
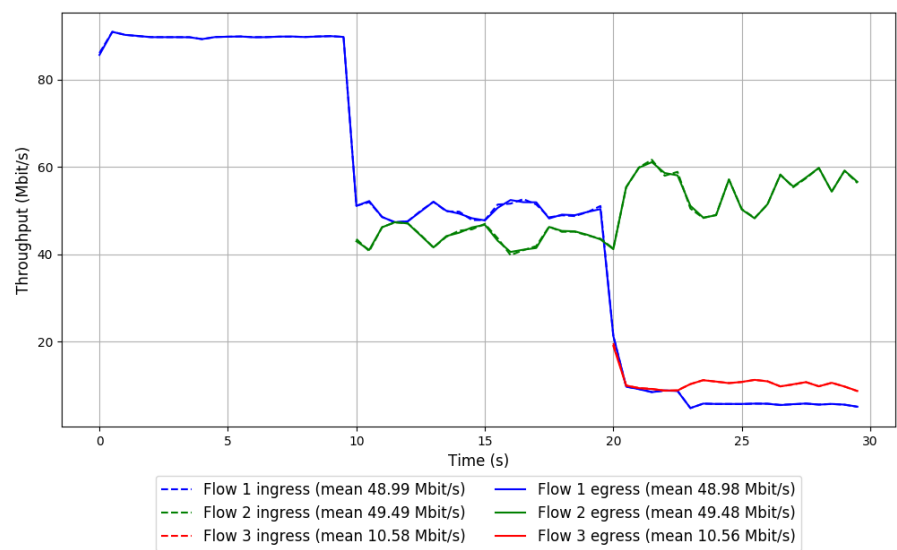
-- Flow 3:

Average throughput: 10.56 Mbit/s

95th percentile per-packet one-way delay: 14.869 ms

Loss rate: 0.27%

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

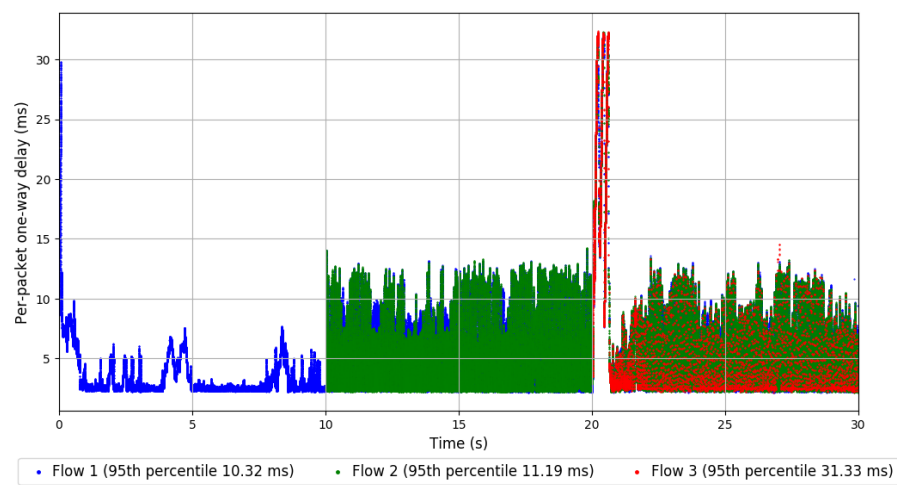
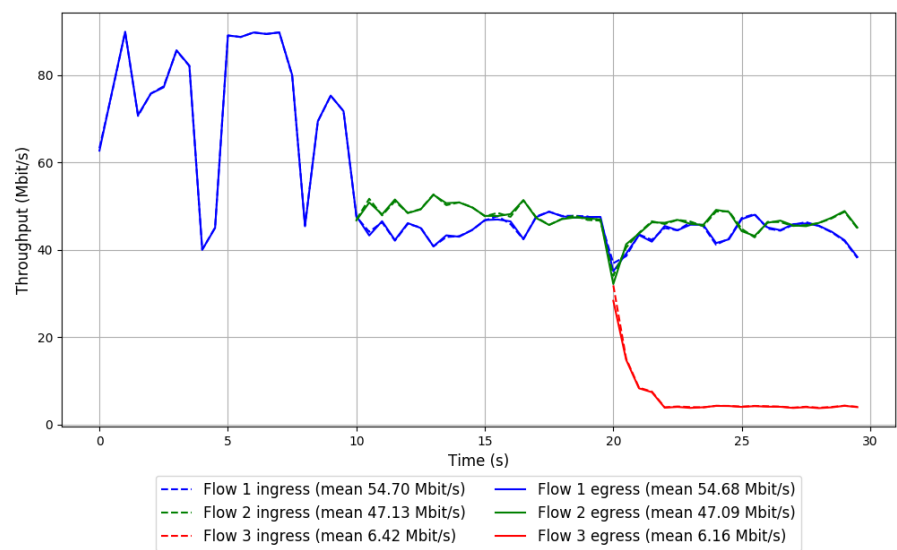


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-03 22:01:22
End at: 2018-04-03 22:01:52
Local clock offset: -6.429 ms
Remote clock offset: -3.087 ms

Below is generated by plot.py at 2018-04-04 00:30:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 10.923 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 10.319 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 47.09 Mbit/s
95th percentile per-packet one-way delay: 11.186 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 31.334 ms
Loss rate: 4.09%

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

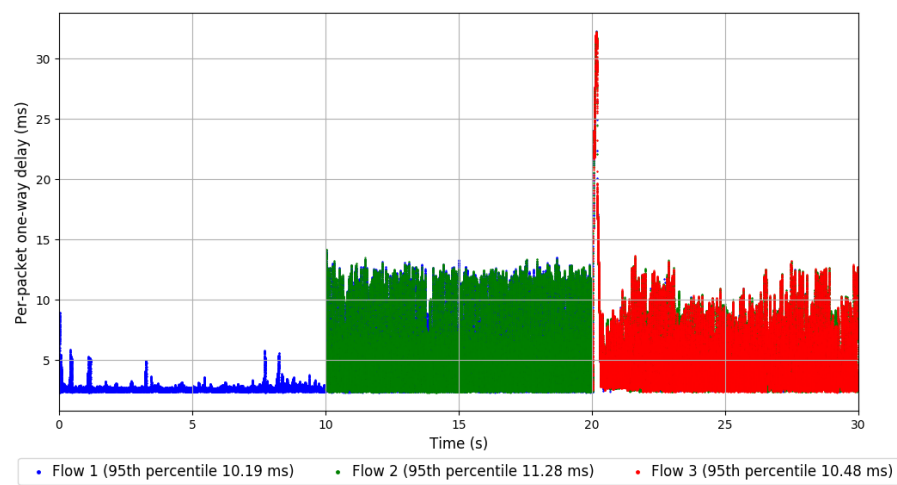
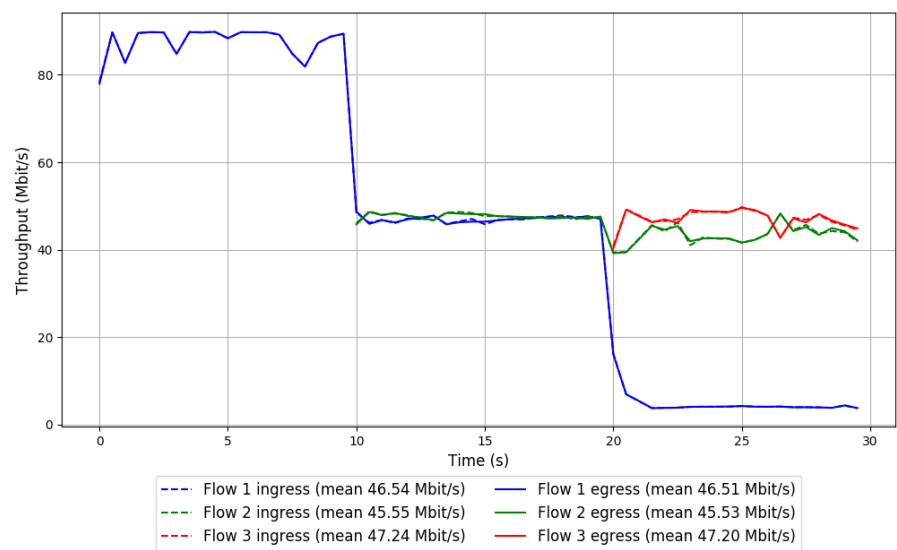


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-03 22:21:52
End at: 2018-04-03 22:22:22
Local clock offset: -6.346 ms
Remote clock offset: -0.546 ms

Below is generated by plot.py at 2018-04-04 00:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 10.756 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 10.194 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.53 Mbit/s
95th percentile per-packet one-way delay: 11.279 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 10.478 ms
Loss rate: 0.02%

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

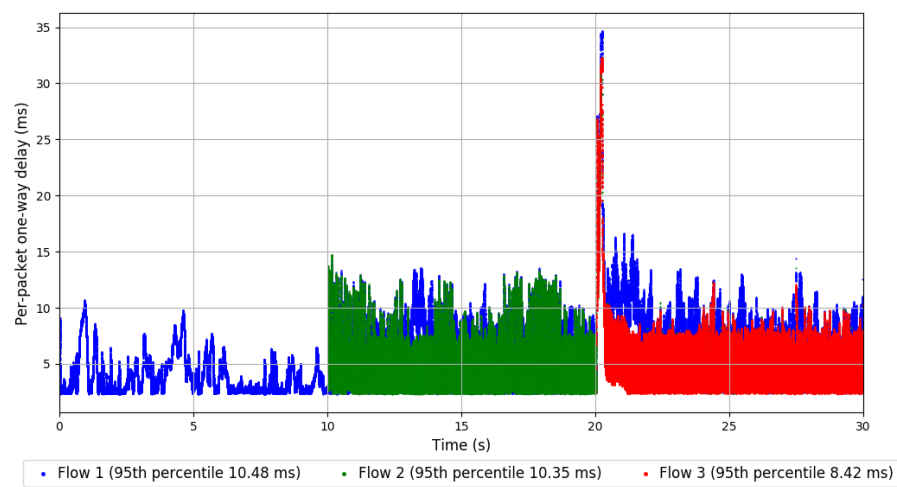
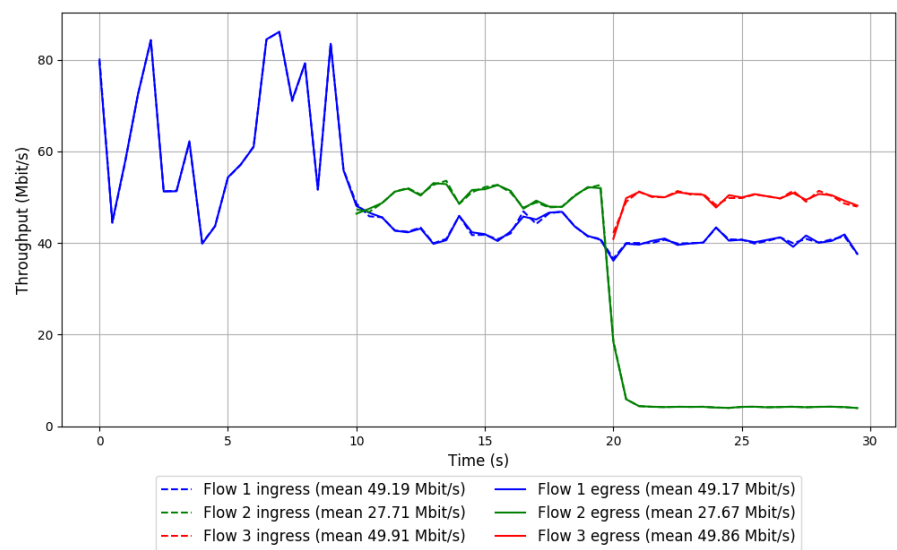


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-03 22:42:22
End at: 2018-04-03 22:42:52
Local clock offset: -5.844 ms
Remote clock offset: -1.393 ms

Below is generated by plot.py at 2018-04-04 00:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 10.203 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 10.477 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 10.345 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 8.421 ms
Loss rate: 0.02%

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

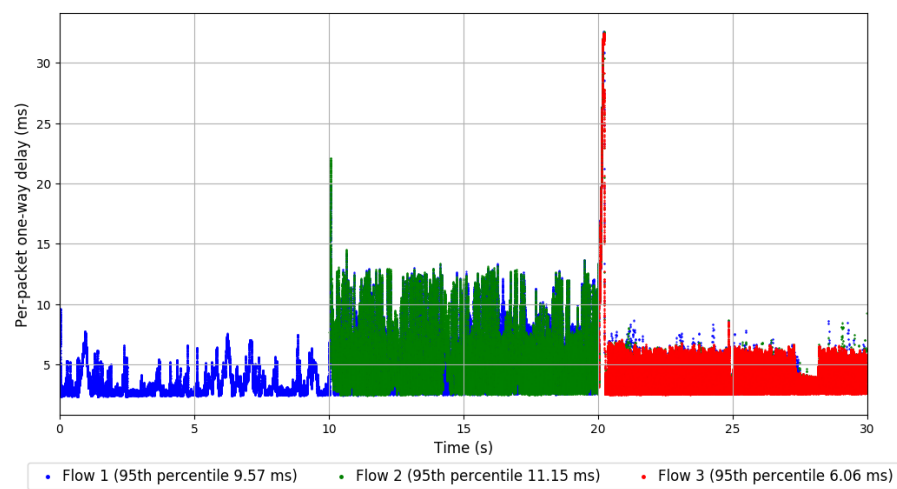
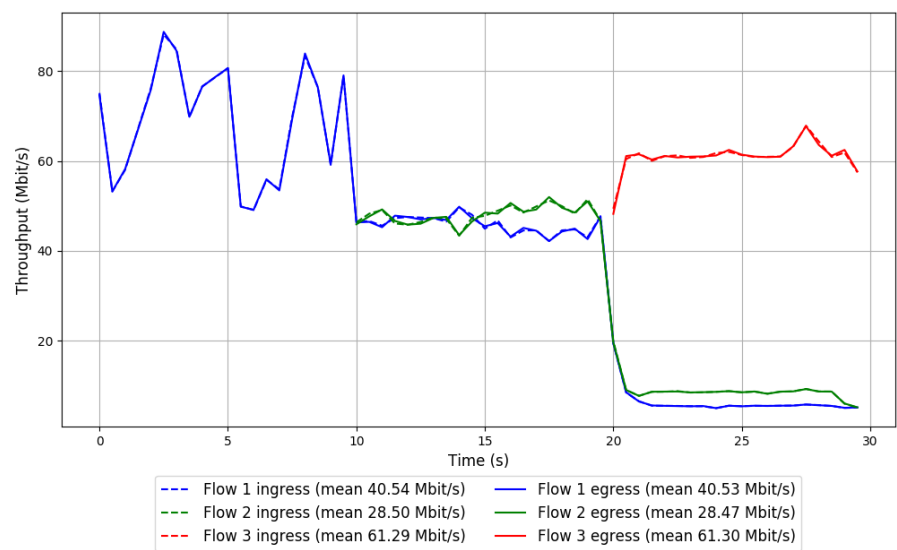


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-03 23:02:53
End at: 2018-04-03 23:03:23
Local clock offset: -5.5 ms
Remote clock offset: -2.514 ms

Below is generated by plot.py at 2018-04-04 00:31:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 9.787 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 9.572 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 28.47 Mbit/s
95th percentile per-packet one-way delay: 11.153 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 61.30 Mbit/s
95th percentile per-packet one-way delay: 6.059 ms
Loss rate: 0.02%

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

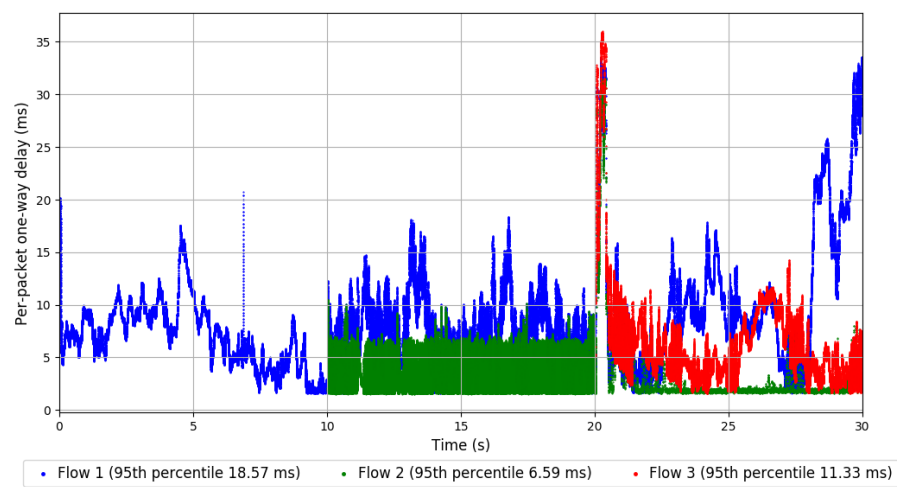
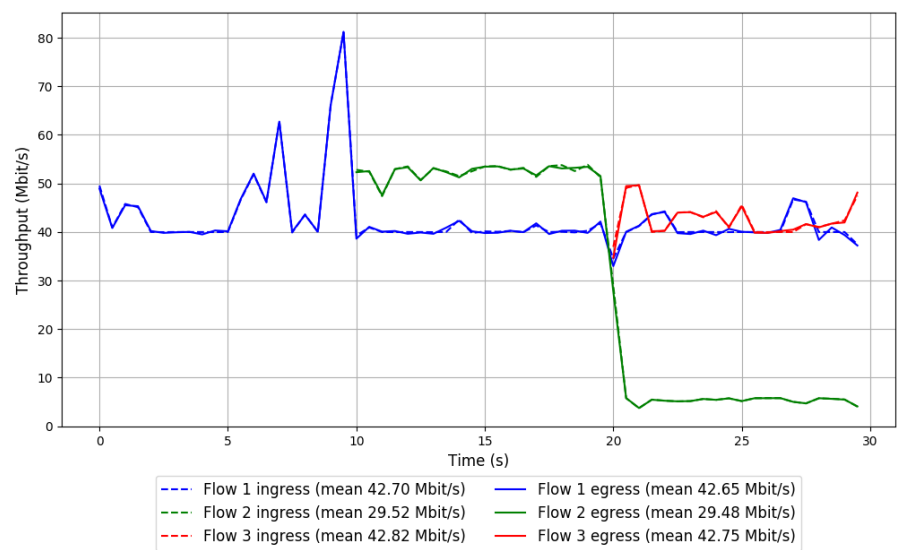


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-03 23:23:27
End at: 2018-04-03 23:23:57
Local clock offset: -4.405 ms
Remote clock offset: -7.751 ms

Below is generated by plot.py at 2018-04-04 00:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 15.228 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 42.65 Mbit/s
95th percentile per-packet one-way delay: 18.565 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 6.594 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 11.328 ms
Loss rate: 0.16%

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

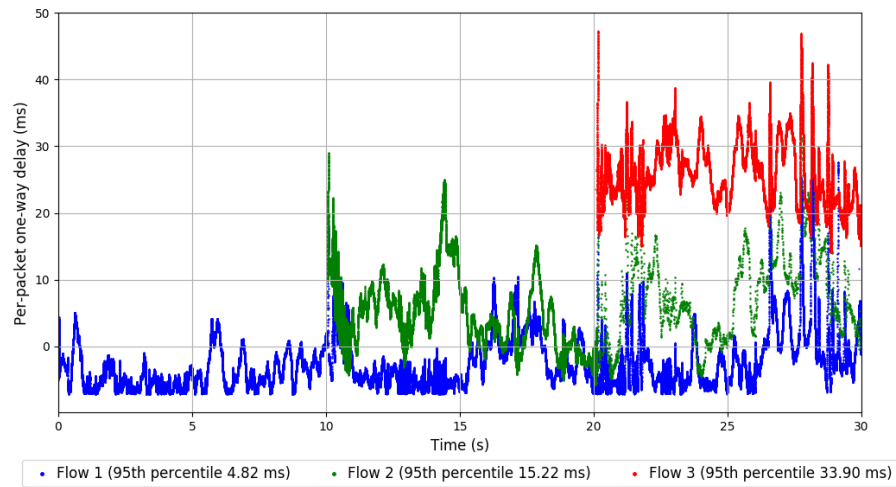
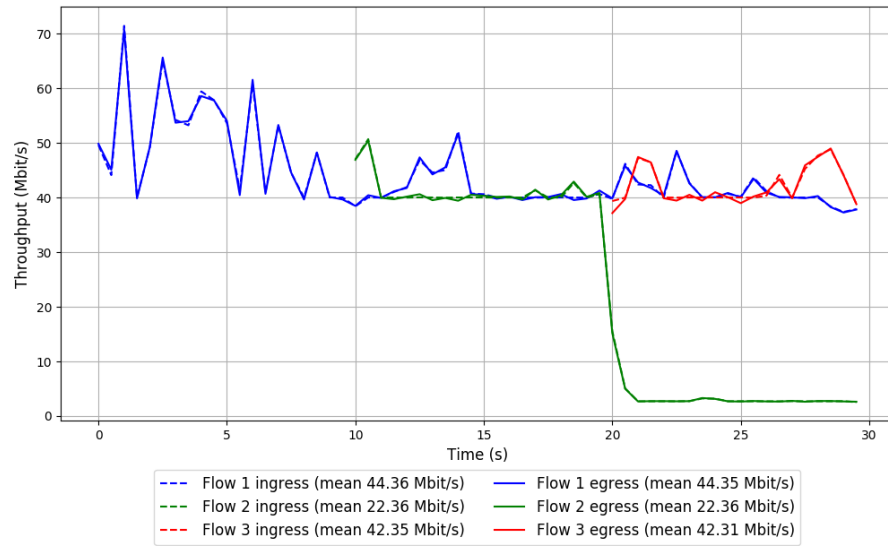


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-04-03 23:44:02
End at: 2018-04-03 23:44:32
Local clock offset: -5.999 ms
Remote clock offset: -16.769 ms

# Below is generated by plot.py at 2018-04-04 00:32:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.23 Mbit/s
95th percentile per-packet one-way delay: 28.972 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 44.35 Mbit/s
95th percentile per-packet one-way delay: 4.815 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: 15.222 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 42.31 Mbit/s
95th percentile per-packet one-way delay: 33.901 ms
Loss rate: 0.32%
```

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

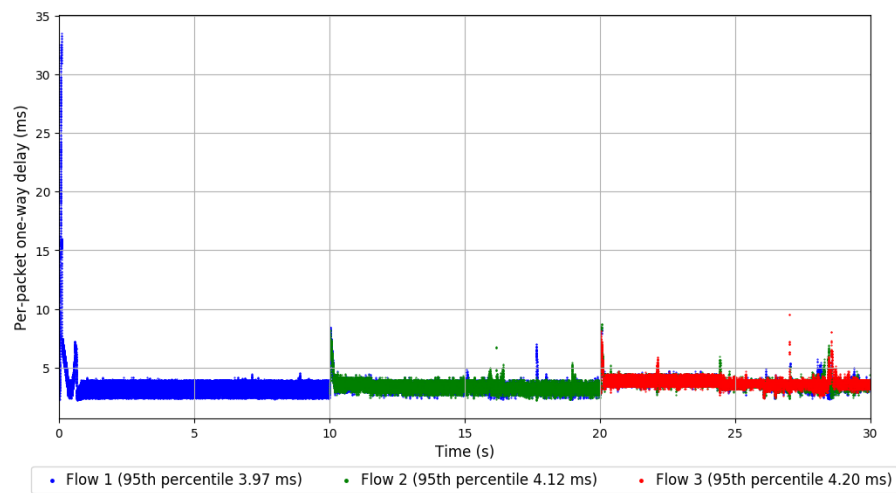
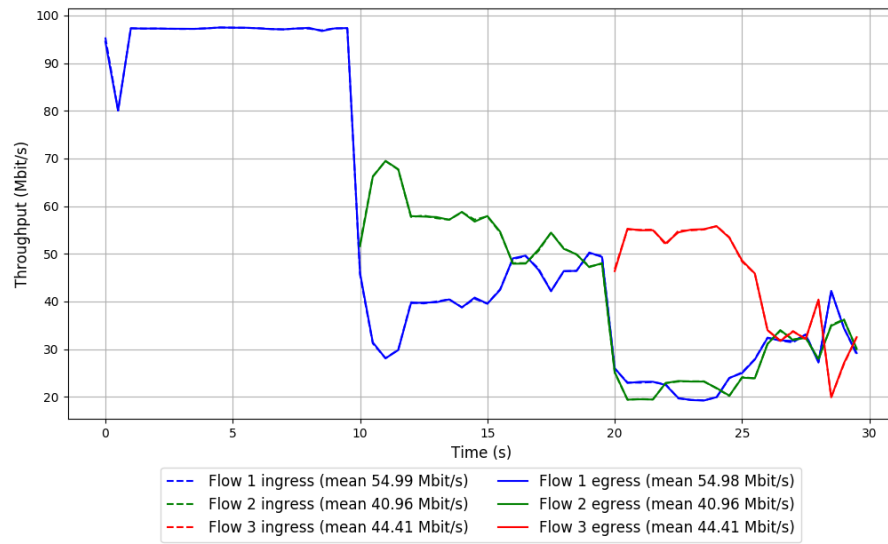


Run 1: Statistics of TCP Vegas

Start at: 2018-04-03 20:25:41
End at: 2018-04-03 20:26:11
Local clock offset: -5.76 ms
Remote clock offset: -6.907 ms

Below is generated by plot.py at 2018-04-04 00:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 4.162 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 3.973 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 4.125 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 4.202 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

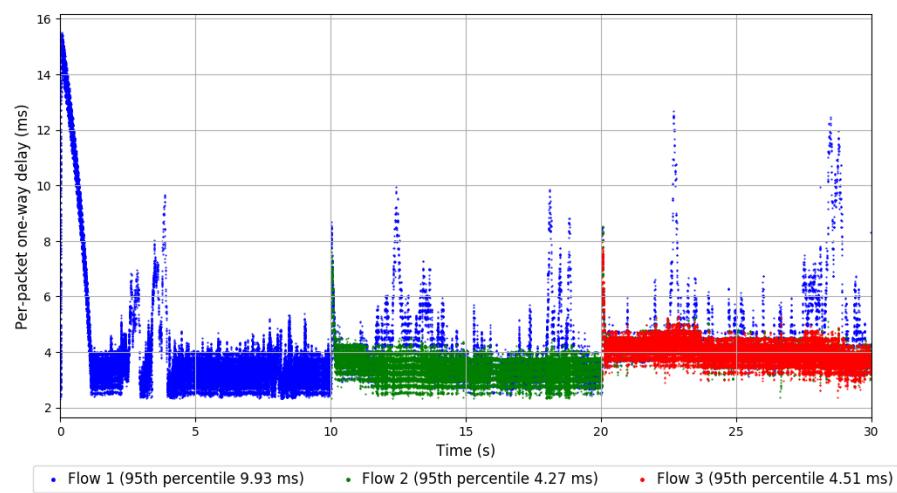
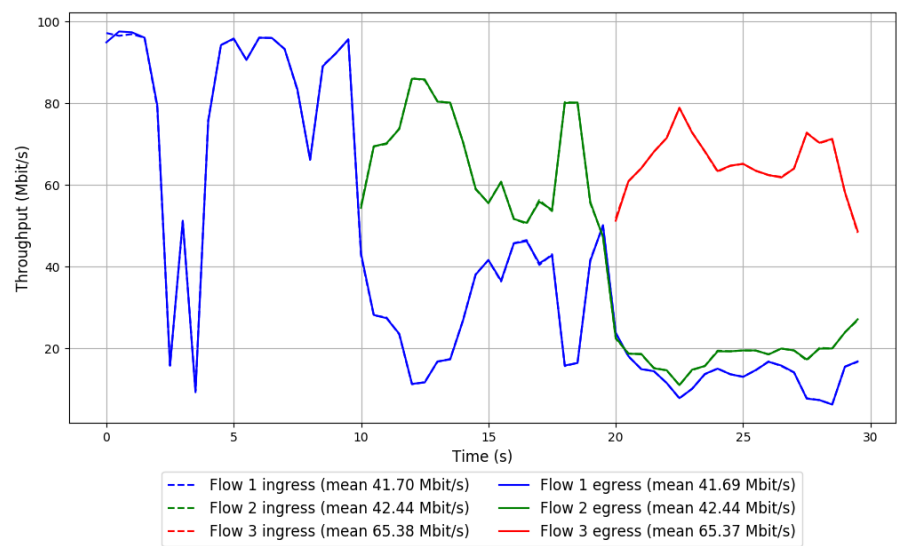


Run 2: Statistics of TCP Vegas

Start at: 2018-04-03 20:46:11
End at: 2018-04-03 20:46:41
Local clock offset: -6.335 ms
Remote clock offset: -6.934 ms

Below is generated by plot.py at 2018-04-04 00:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 5.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 9.930 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.44 Mbit/s
95th percentile per-packet one-way delay: 4.269 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.37 Mbit/s
95th percentile per-packet one-way delay: 4.507 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

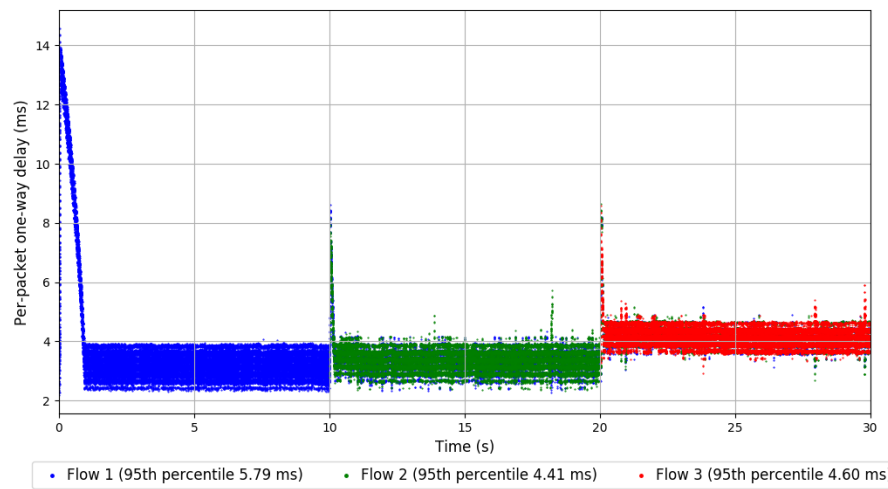
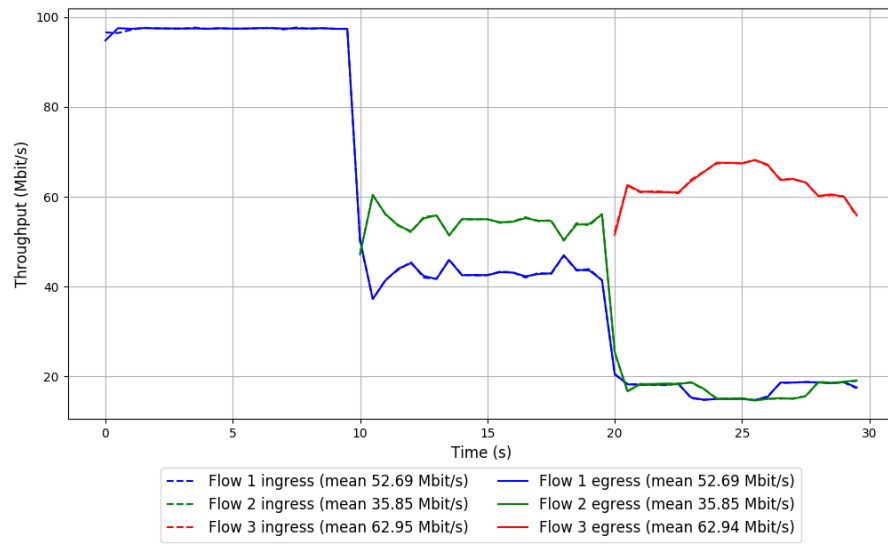


Run 3: Statistics of TCP Vegas

Start at: 2018-04-03 21:06:42
End at: 2018-04-03 21:07:12
Local clock offset: -6.725 ms
Remote clock offset: -7.146 ms

Below is generated by plot.py at 2018-04-04 00:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 4.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.69 Mbit/s
95th percentile per-packet one-way delay: 5.791 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 4.412 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.94 Mbit/s
95th percentile per-packet one-way delay: 4.601 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

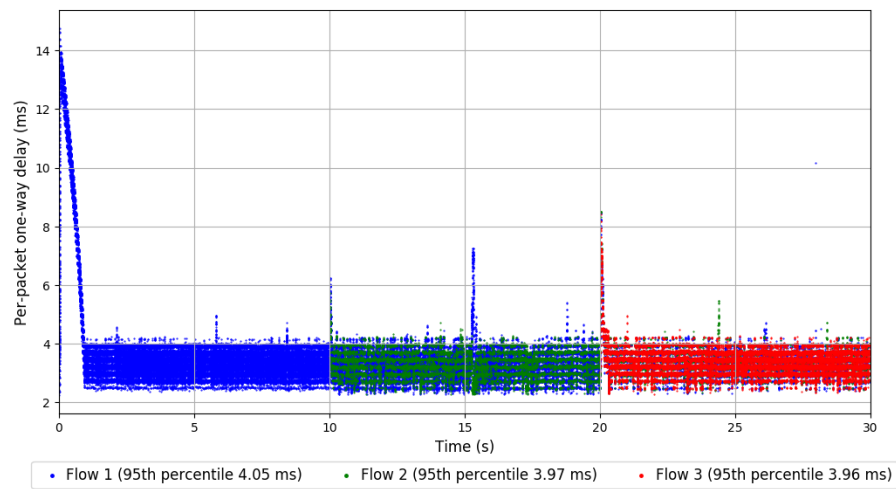
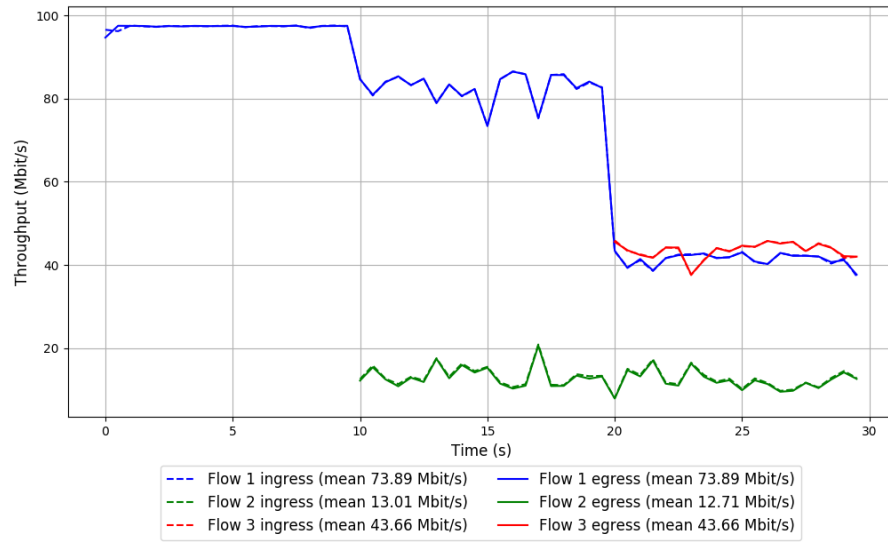


Run 4: Statistics of TCP Vegas

Start at: 2018-04-03 21:27:14
End at: 2018-04-03 21:27:44
Local clock offset: -6.342 ms
Remote clock offset: -6.592 ms

Below is generated by plot.py at 2018-04-04 00:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 3.981 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 73.89 Mbit/s
95th percentile per-packet one-way delay: 4.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 3.970 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 3.959 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

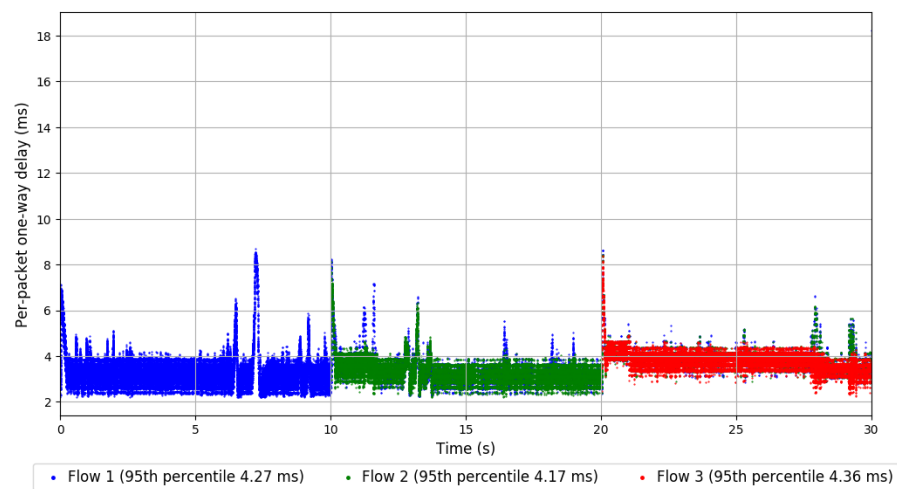
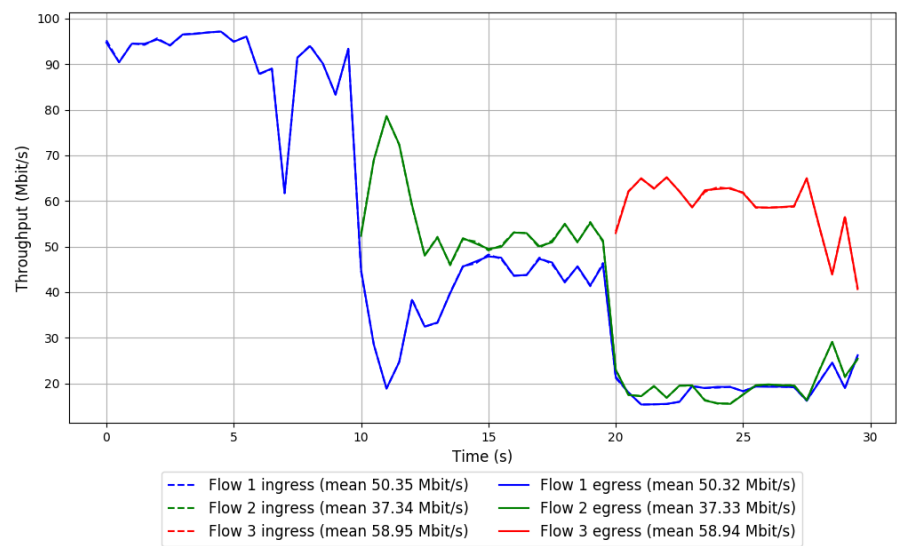


Run 5: Statistics of TCP Vegas

Start at: 2018-04-03 21:47:46
End at: 2018-04-03 21:48:16
Local clock offset: -6.262 ms
Remote clock offset: -6.361 ms

Below is generated by plot.py at 2018-04-04 00:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 4.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 4.270 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 4.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 4.359 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

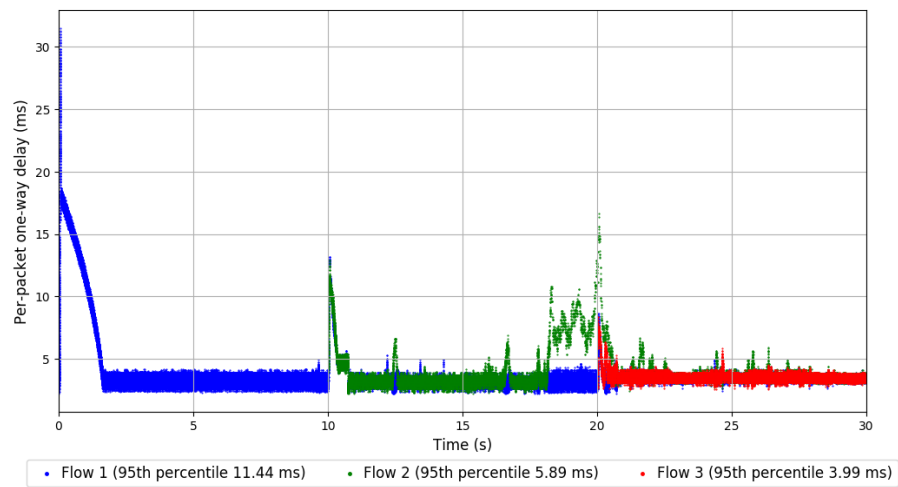
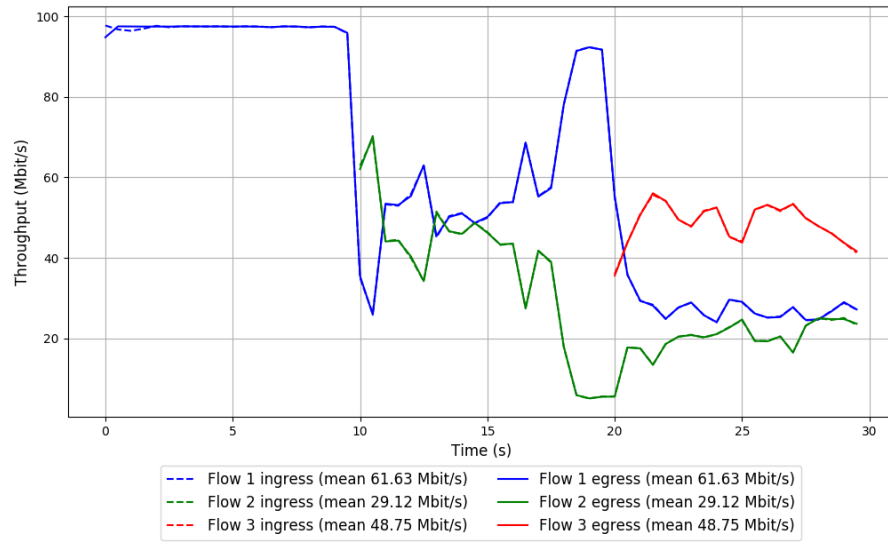


Run 6: Statistics of TCP Vegas

Start at: 2018-04-03 22:08:15
End at: 2018-04-03 22:08:45
Local clock offset: -6.44 ms
Remote clock offset: -1.873 ms

Below is generated by plot.py at 2018-04-04 00:32:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 8.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.63 Mbit/s
95th percentile per-packet one-way delay: 11.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 5.892 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 48.75 Mbit/s
95th percentile per-packet one-way delay: 3.988 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

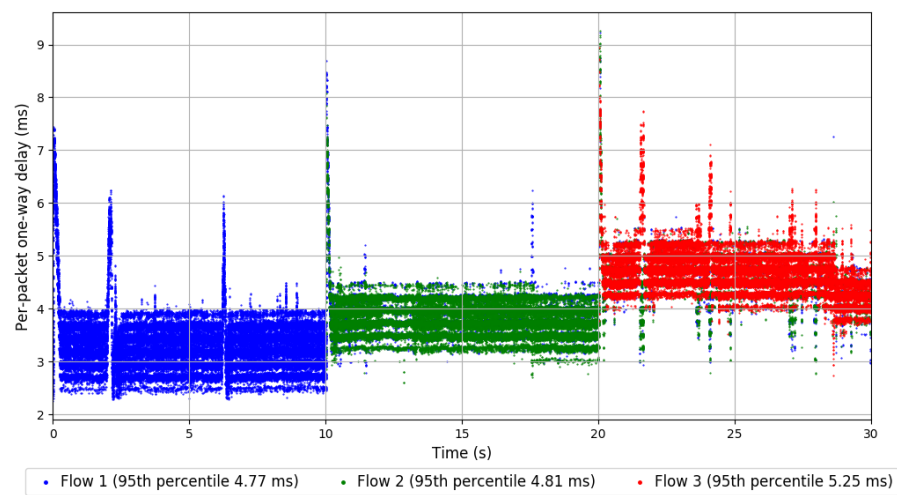
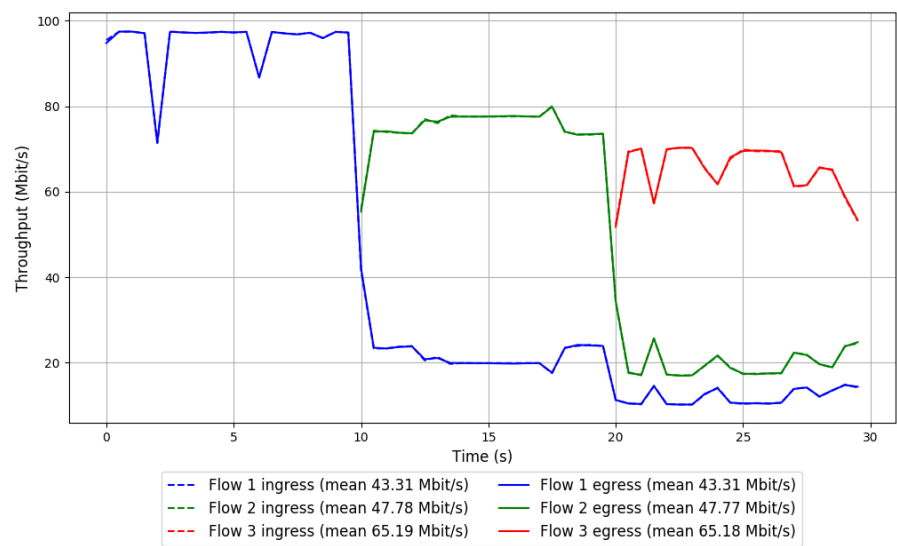


Run 7: Statistics of TCP Vegas

Start at: 2018-04-03 22:28:47
End at: 2018-04-03 22:29:17
Local clock offset: -6.052 ms
Remote clock offset: -0.669 ms

Below is generated by plot.py at 2018-04-04 00:33:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 5.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.31 Mbit/s
95th percentile per-packet one-way delay: 4.774 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 4.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.18 Mbit/s
95th percentile per-packet one-way delay: 5.250 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link

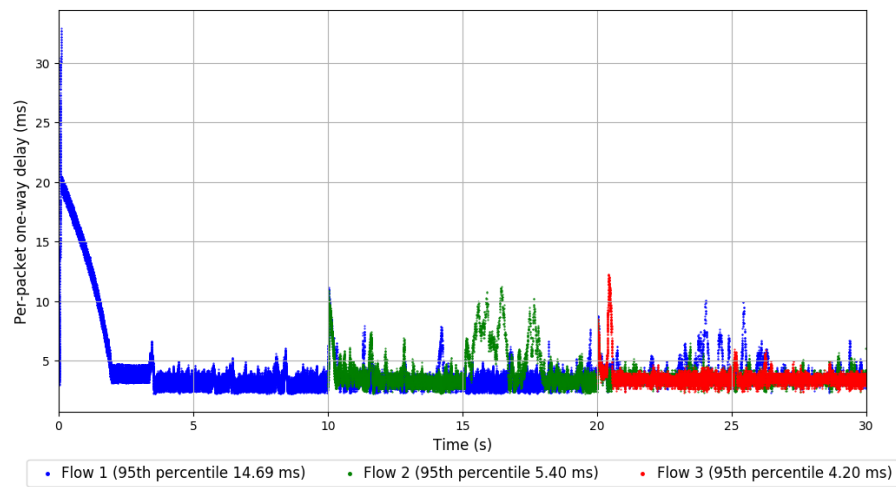
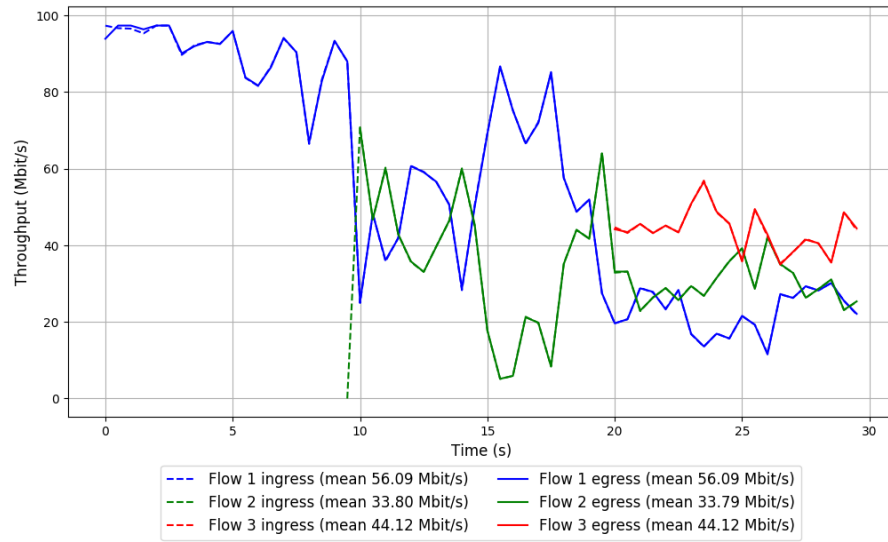


Run 8: Statistics of TCP Vegas

Start at: 2018-04-03 22:49:17
End at: 2018-04-03 22:49:47
Local clock offset: -5.694 ms
Remote clock offset: -1.298 ms

```
# Below is generated by plot.py at 2018-04-04 00:33:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 10.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 14.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.79 Mbit/s
95th percentile per-packet one-way delay: 5.398 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.12 Mbit/s
95th percentile per-packet one-way delay: 4.203 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

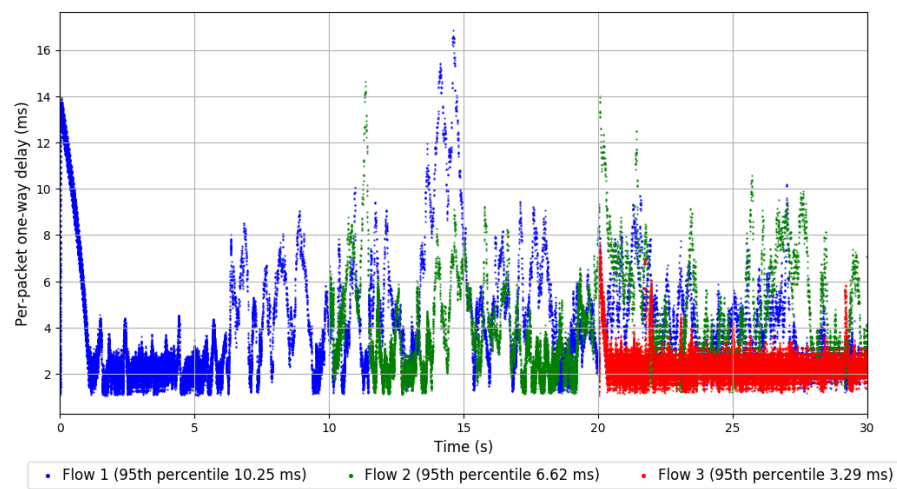
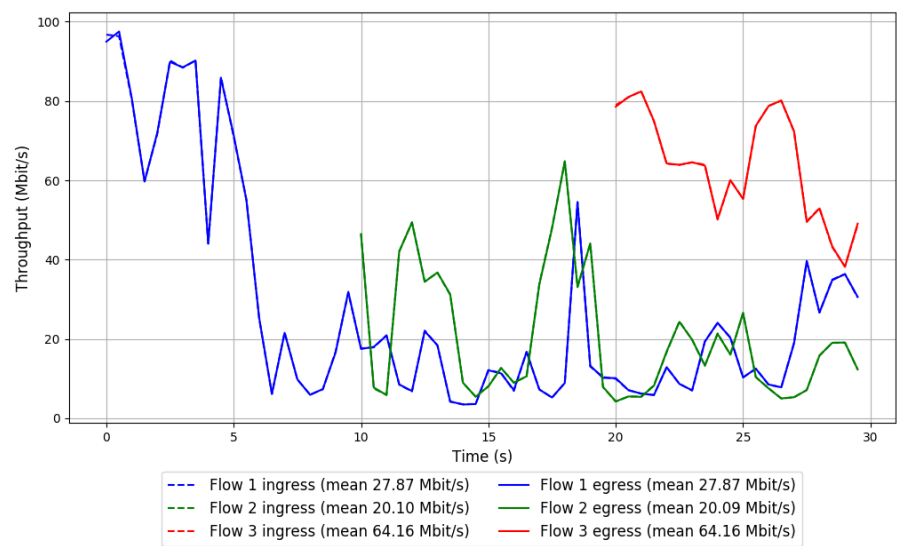


Run 9: Statistics of TCP Vegas

Start at: 2018-04-03 23:09:49
End at: 2018-04-03 23:10:19
Local clock offset: -4.097 ms
Remote clock offset: -5.208 ms

Below is generated by plot.py at 2018-04-04 00:33:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: 7.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 10.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 6.618 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.16 Mbit/s
95th percentile per-packet one-way delay: 3.287 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

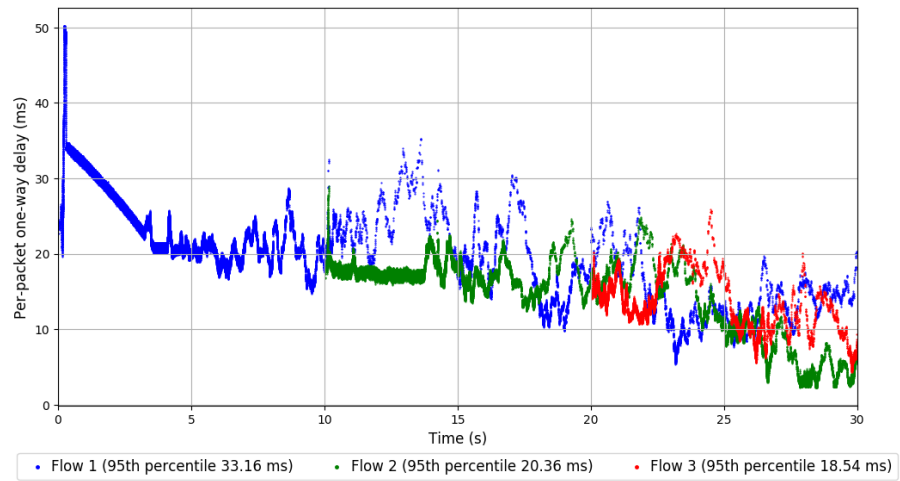
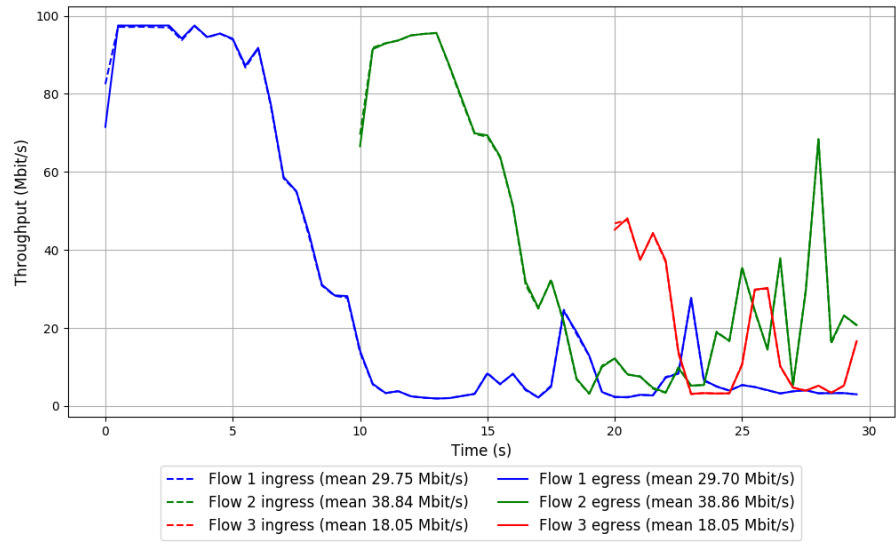


Run 10: Statistics of TCP Vegas

Start at: 2018-04-03 23:30:23
End at: 2018-04-03 23:30:53
Local clock offset: -5.376 ms
Remote clock offset: -8.521 ms

Below is generated by plot.py at 2018-04-04 00:33:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.57 Mbit/s
95th percentile per-packet one-way delay: 31.446 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 33.158 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: 20.362 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 18.536 ms
Loss rate: 0.07%

Run 10: Report of TCP Vegas — Data Link

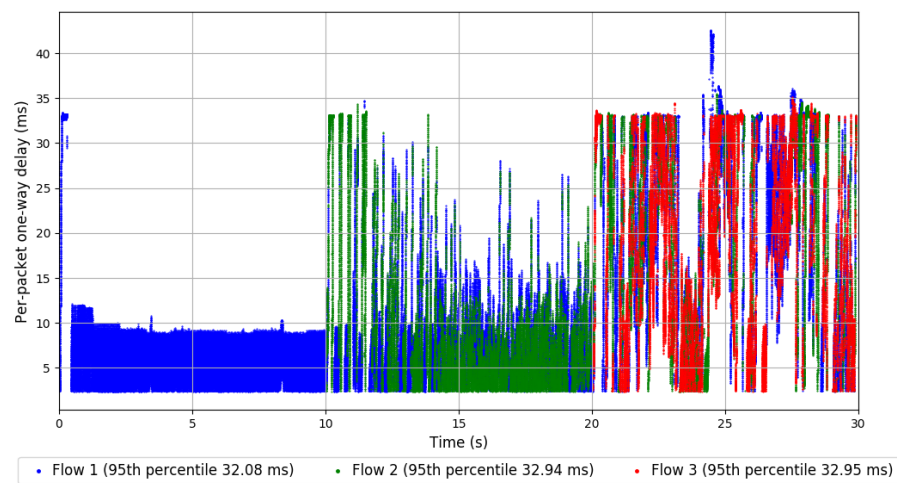
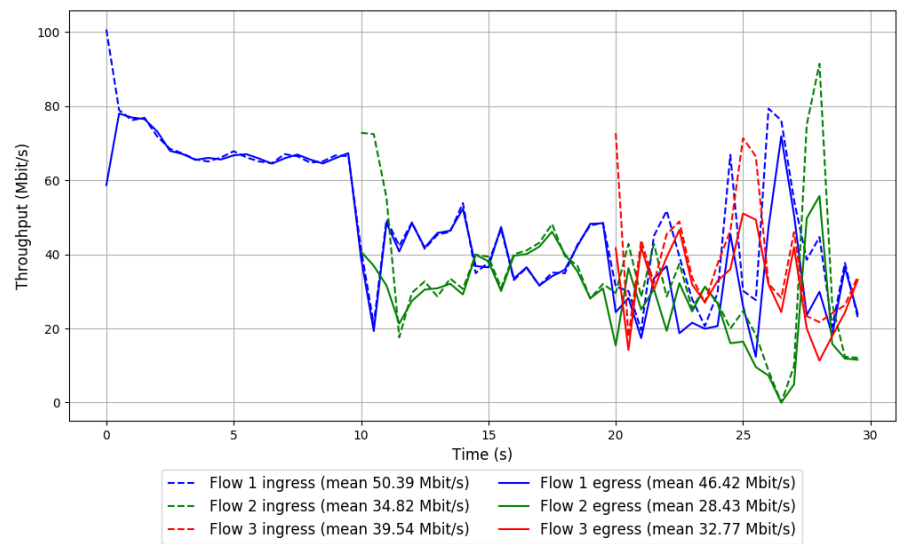


Run 1: Statistics of Verus

Start at: 2018-04-03 20:31:18
End at: 2018-04-03 20:31:48
Local clock offset: -5.701 ms
Remote clock offset: -6.863 ms

Below is generated by plot.py at 2018-04-04 00:33:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.14 Mbit/s
95th percentile per-packet one-way delay: 32.893 ms
Loss rate: 11.97%
-- Flow 1:
Average throughput: 46.42 Mbit/s
95th percentile per-packet one-way delay: 32.075 ms
Loss rate: 7.79%
-- Flow 2:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 32.944 ms
Loss rate: 18.29%
-- Flow 3:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 32.950 ms
Loss rate: 16.89%

Run 1: Report of Verus — Data Link

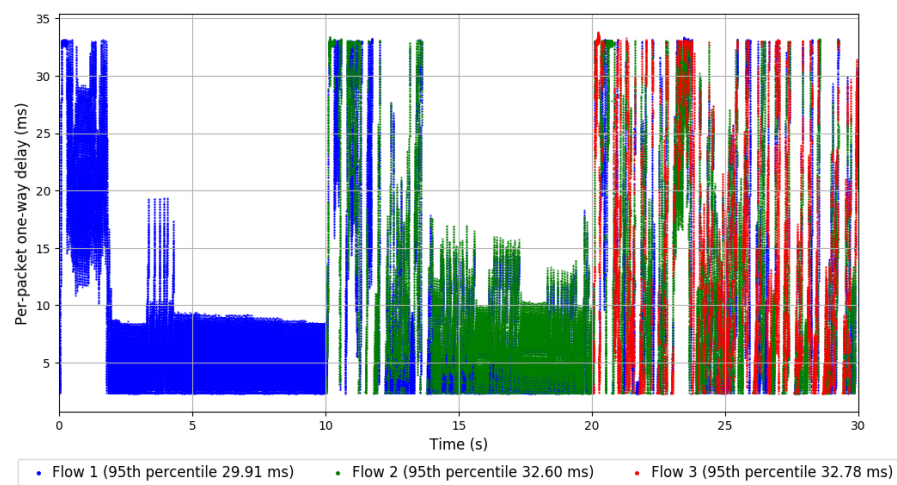
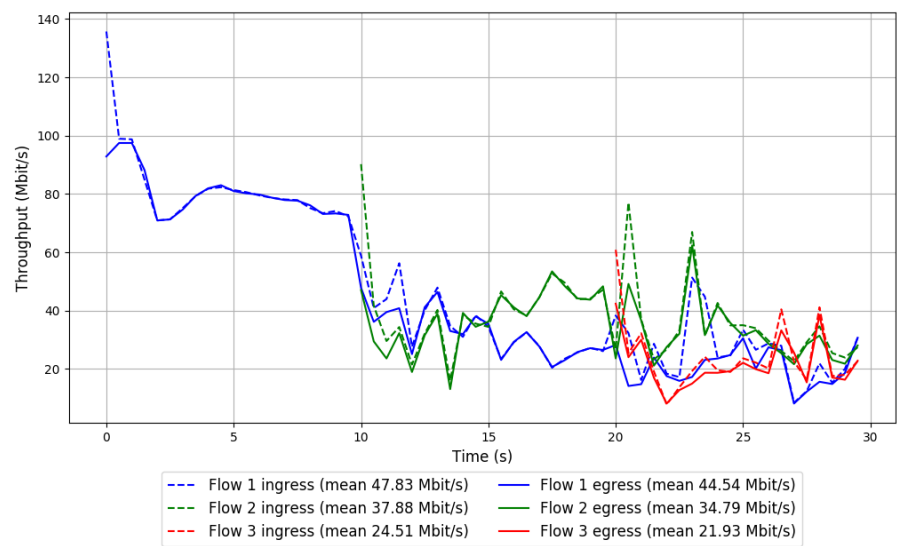


Run 2: Statistics of Verus

Start at: 2018-04-03 20:51:47
End at: 2018-04-03 20:52:17
Local clock offset: -6.515 ms
Remote clock offset: -7.006 ms

Below is generated by plot.py at 2018-04-04 00:33:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.94 Mbit/s
95th percentile per-packet one-way delay: 31.255 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 29.905 ms
Loss rate: 6.80%
-- Flow 2:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 32.600 ms
Loss rate: 8.10%
-- Flow 3:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 32.778 ms
Loss rate: 10.34%

Run 2: Report of Verus — Data Link

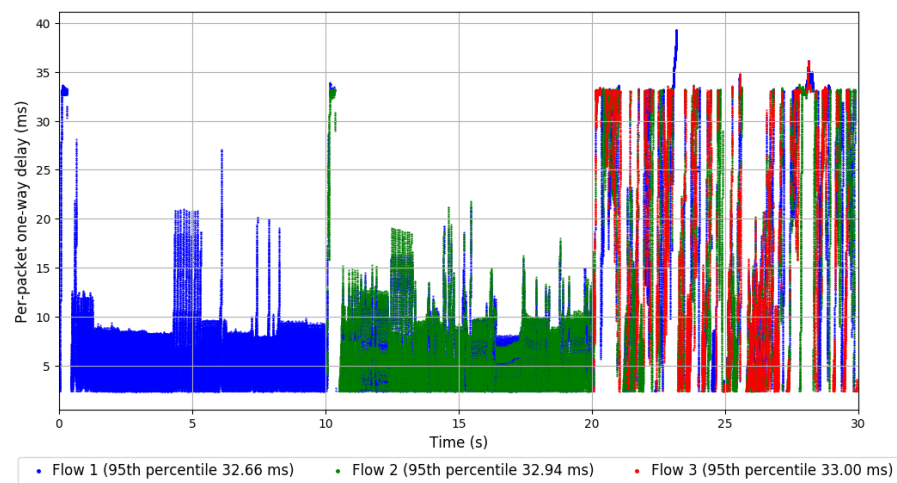
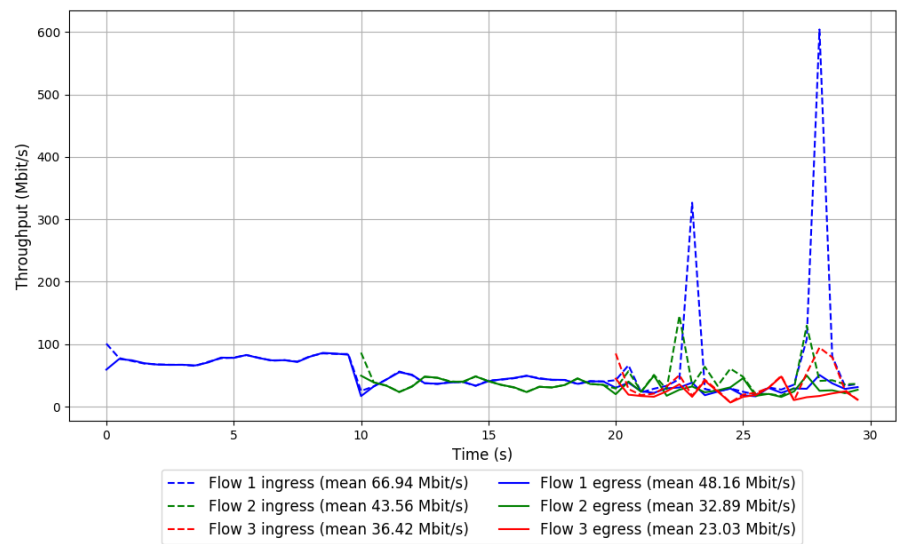


Run 3: Statistics of Verus

Start at: 2018-04-03 21:12:18
End at: 2018-04-03 21:12:48
Local clock offset: -6.782 ms
Remote clock offset: -7.099 ms

Below is generated by plot.py at 2018-04-04 00:33:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 32.929 ms
Loss rate: 28.01%
-- Flow 1:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 32.661 ms
Loss rate: 27.98%
-- Flow 2:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 32.938 ms
Loss rate: 24.38%
-- Flow 3:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 33.003 ms
Loss rate: 36.85%

Run 3: Report of Verus — Data Link

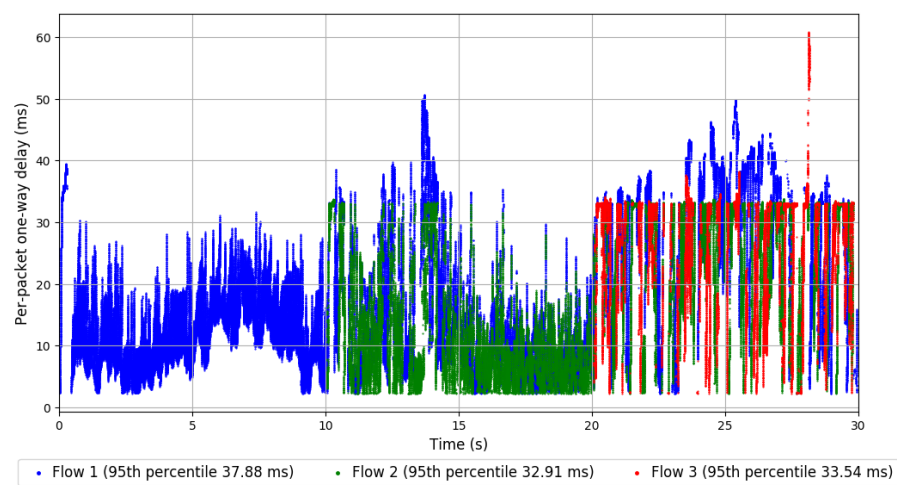
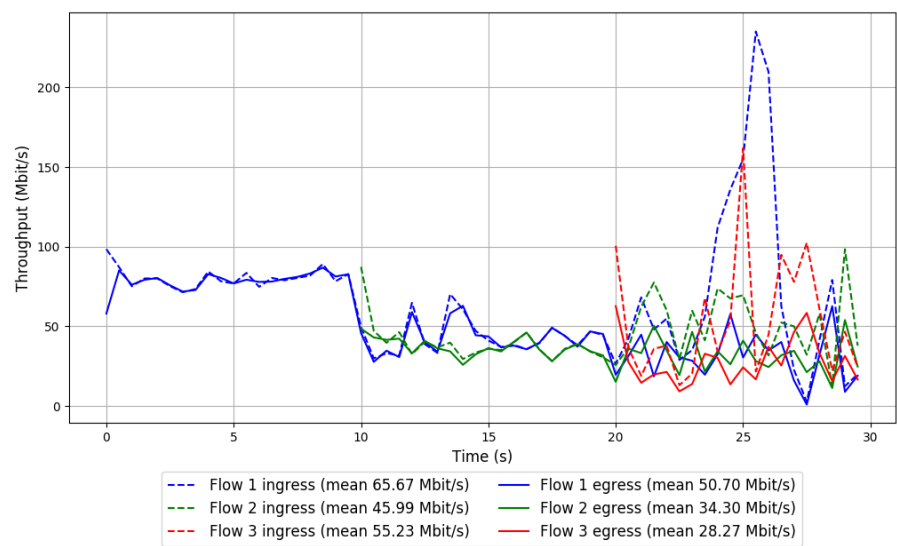


Run 4: Statistics of Verus

Start at: 2018-04-03 21:32:50
End at: 2018-04-03 21:33:20
Local clock offset: -6.278 ms
Remote clock offset: -6.462 ms

Below is generated by plot.py at 2018-04-04 00:34:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.56 Mbit/s
95th percentile per-packet one-way delay: 35.564 ms
Loss rate: 27.56%
-- Flow 1:
Average throughput: 50.70 Mbit/s
95th percentile per-packet one-way delay: 37.883 ms
Loss rate: 22.79%
-- Flow 2:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 32.914 ms
Loss rate: 25.32%
-- Flow 3:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 33.539 ms
Loss rate: 48.76%

Run 4: Report of Verus — Data Link

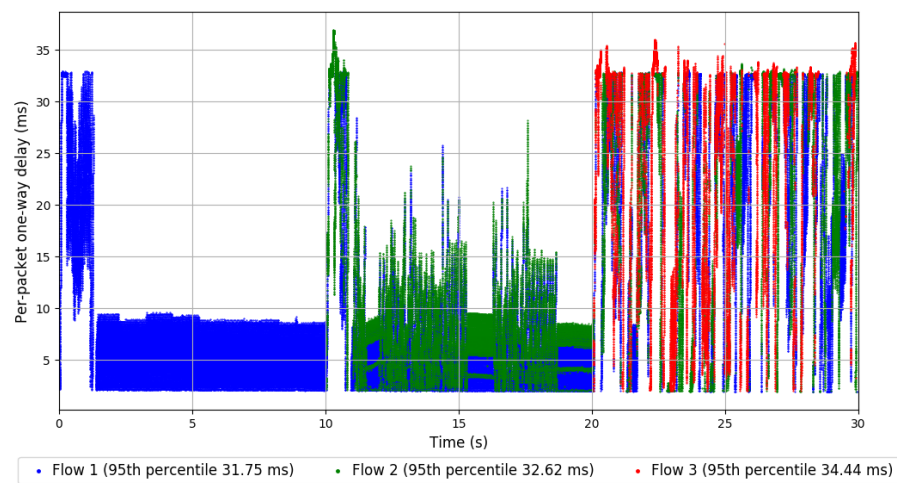
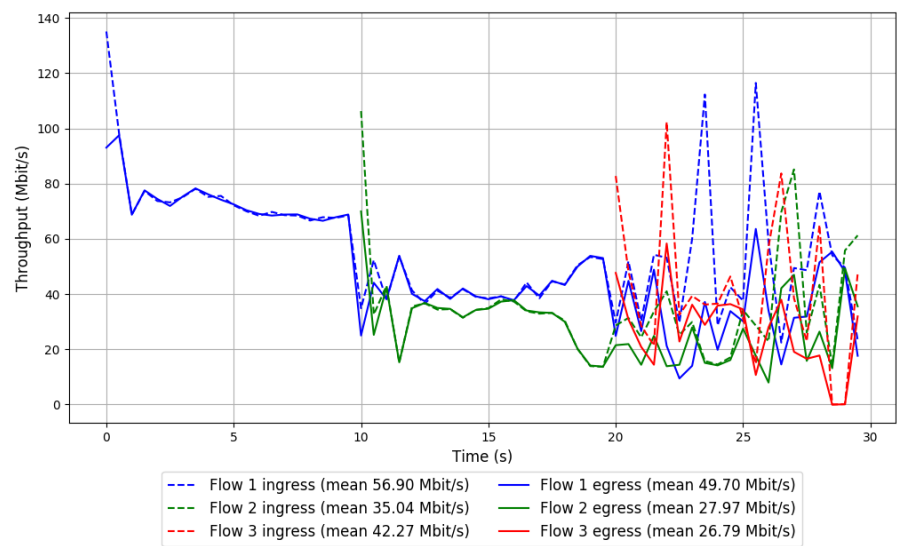


Run 5: Statistics of Verus

Start at: 2018-04-03 21:53:22
End at: 2018-04-03 21:53:52
Local clock offset: -6.363 ms
Remote clock offset: -5.839 ms

Below is generated by plot.py at 2018-04-04 00:34:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 32.528 ms
Loss rate: 18.04%
-- Flow 1:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 31.747 ms
Loss rate: 12.65%
-- Flow 2:
Average throughput: 27.97 Mbit/s
95th percentile per-packet one-way delay: 32.615 ms
Loss rate: 20.06%
-- Flow 3:
Average throughput: 26.79 Mbit/s
95th percentile per-packet one-way delay: 34.442 ms
Loss rate: 36.67%

Run 5: Report of Verus — Data Link

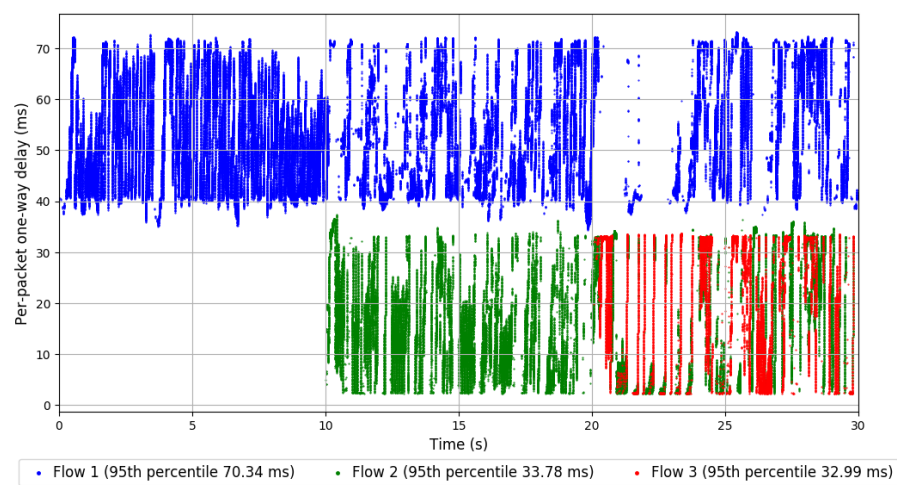
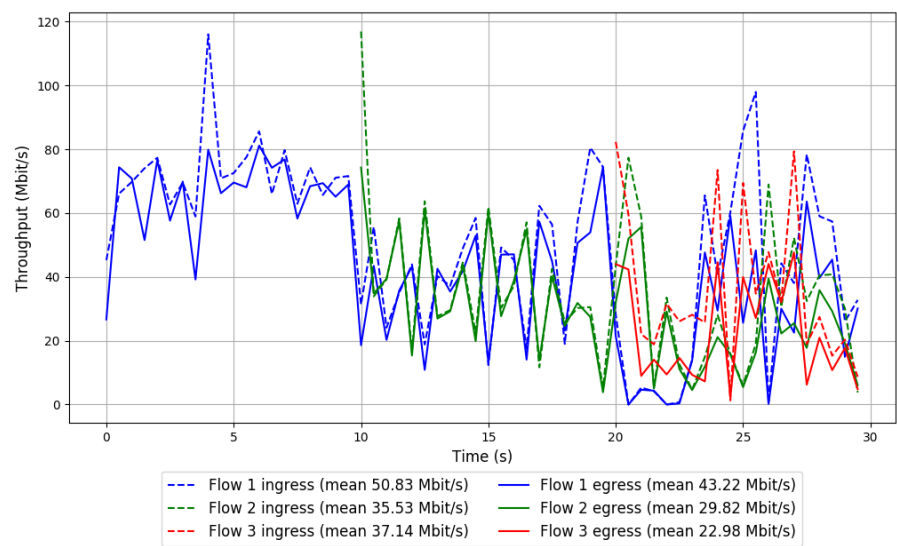


Run 6: Statistics of Verus

Start at: 2018-04-03 22:13:52
End at: 2018-04-03 22:14:22
Local clock offset: -6.467 ms
Remote clock offset: -1.247 ms

Below is generated by plot.py at 2018-04-04 00:34:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.46 Mbit/s
95th percentile per-packet one-way delay: 69.090 ms
Loss rate: 18.54%
-- Flow 1:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 70.339 ms
Loss rate: 15.11%
-- Flow 2:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 33.778 ms
Loss rate: 15.95%
-- Flow 3:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 32.992 ms
Loss rate: 38.05%

Run 6: Report of Verus — Data Link

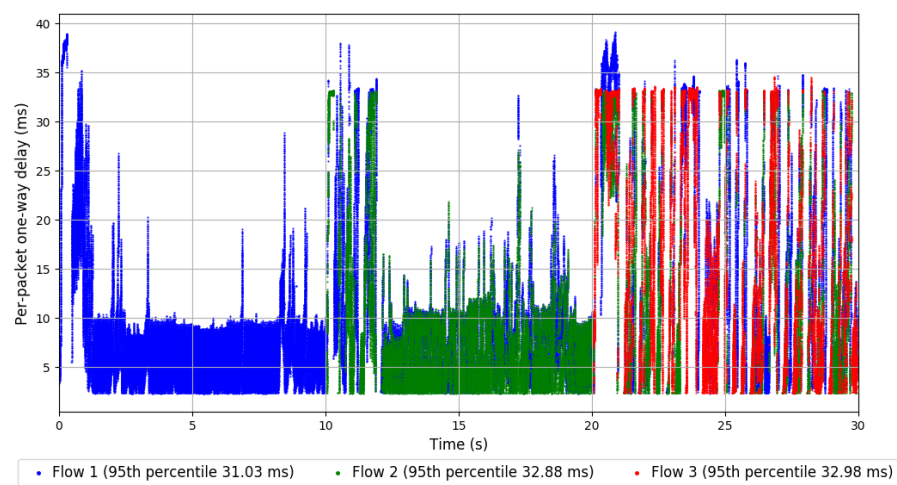
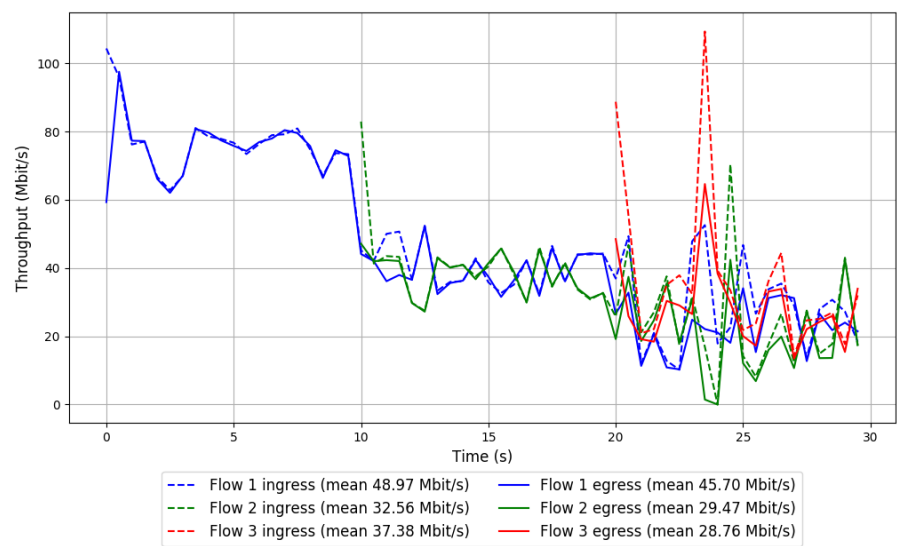


Run 7: Statistics of Verus

Start at: 2018-04-03 22:34:23
End at: 2018-04-03 22:34:53
Local clock offset: -5.937 ms
Remote clock offset: -1.144 ms

Below is generated by plot.py at 2018-04-04 00:34:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.83 Mbit/s
95th percentile per-packet one-way delay: 32.848 ms
Loss rate: 9.86%
-- Flow 1:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 31.034 ms
Loss rate: 6.67%
-- Flow 2:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 32.885 ms
Loss rate: 9.50%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 32.980 ms
Loss rate: 23.11%

Run 7: Report of Verus — Data Link

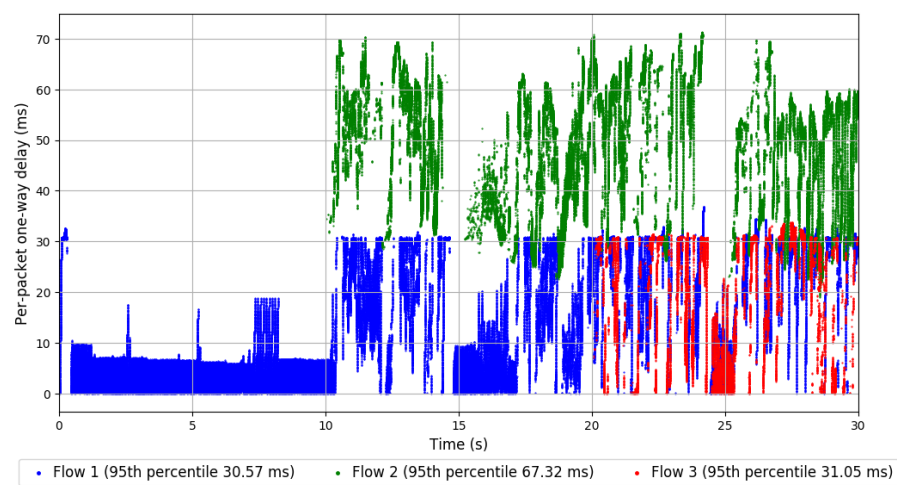
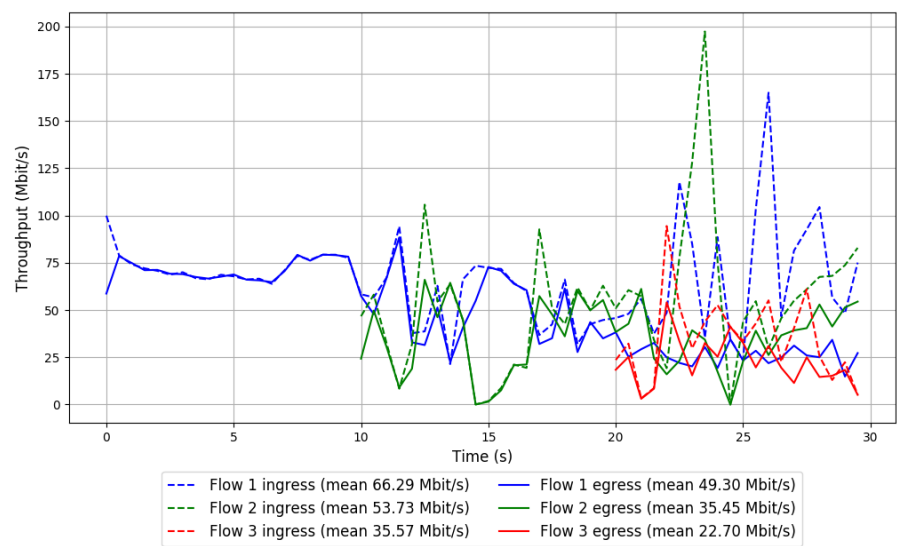


Run 8: Statistics of Verus

Start at: 2018-04-03 22:54:53
End at: 2018-04-03 22:55:23
Local clock offset: -5.686 ms
Remote clock offset: -3.537 ms

Below is generated by plot.py at 2018-04-04 00:34:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.32 Mbit/s
95th percentile per-packet one-way delay: 61.329 ms
Loss rate: 29.31%
-- Flow 1:
Average throughput: 49.30 Mbit/s
95th percentile per-packet one-way delay: 30.566 ms
Loss rate: 25.56%
-- Flow 2:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 67.316 ms
Loss rate: 34.03%
-- Flow 3:
Average throughput: 22.70 Mbit/s
95th percentile per-packet one-way delay: 31.051 ms
Loss rate: 36.10%

Run 8: Report of Verus — Data Link

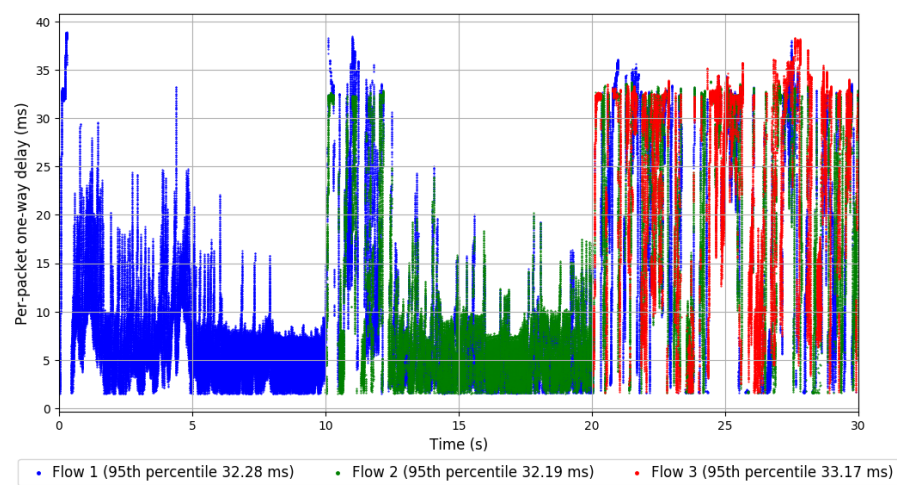
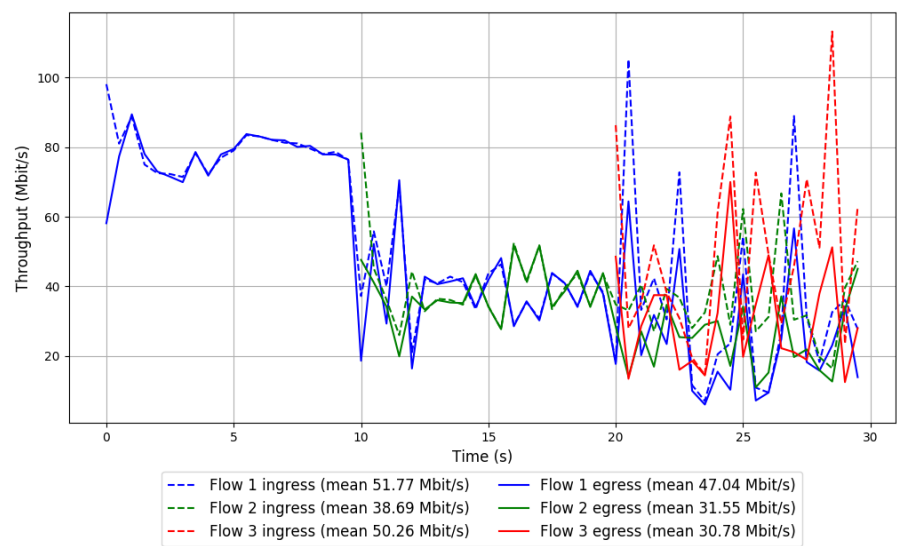


Run 9: Statistics of Verus

Start at: 2018-04-03 23:15:25
End at: 2018-04-03 23:15:55
Local clock offset: -4.477 ms
Remote clock offset: -6.514 ms

Below is generated by plot.py at 2018-04-04 00:34:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 32.382 ms
Loss rate: 16.81%
-- Flow 1:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 32.285 ms
Loss rate: 9.03%
-- Flow 2:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 32.192 ms
Loss rate: 18.35%
-- Flow 3:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 33.175 ms
Loss rate: 38.61%

Run 9: Report of Verus — Data Link

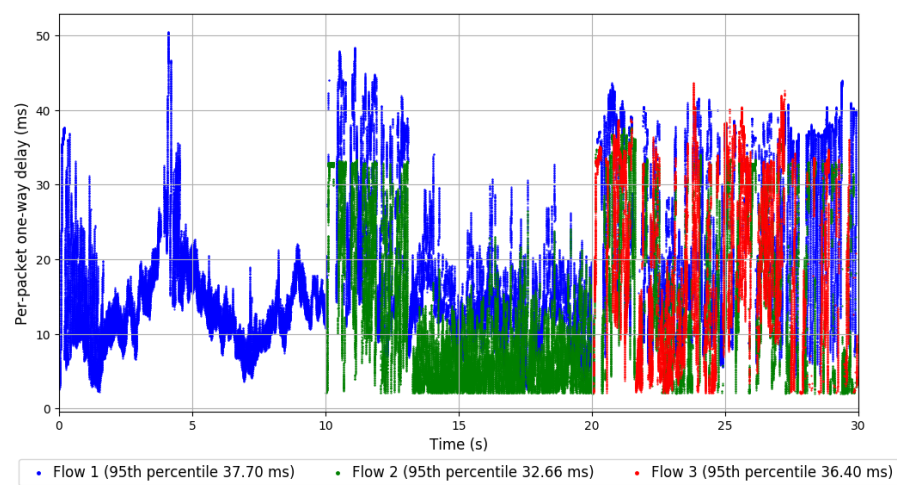
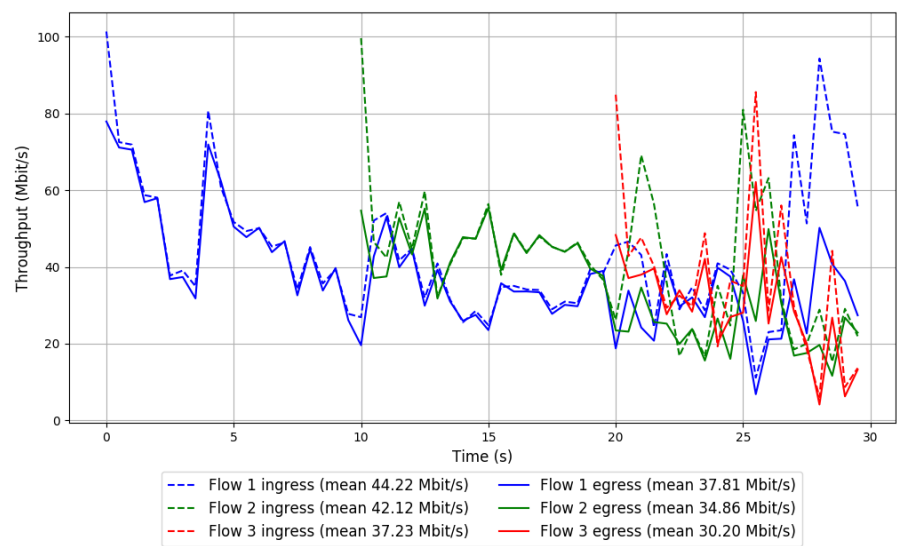


Run 10: Statistics of Verus

Start at: 2018-04-03 23:35:59
End at: 2018-04-03 23:36:29
Local clock offset: -5.71 ms
Remote clock offset: -8.601 ms

Below is generated by plot.py at 2018-04-04 00:34:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.96 Mbit/s
95th percentile per-packet one-way delay: 36.258 ms
Loss rate: 15.97%
-- Flow 1:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 37.705 ms
Loss rate: 14.39%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 32.659 ms
Loss rate: 17.21%
-- Flow 3:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 36.397 ms
Loss rate: 18.83%

Run 10: Report of Verus — Data Link

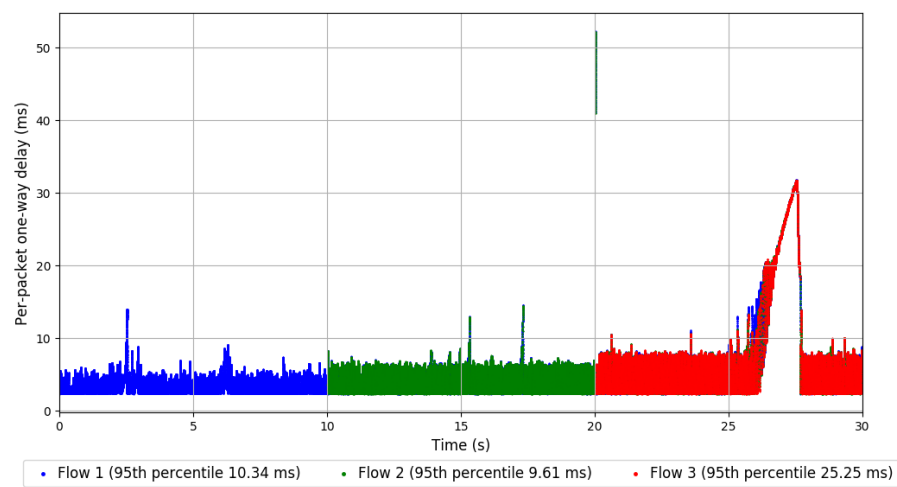
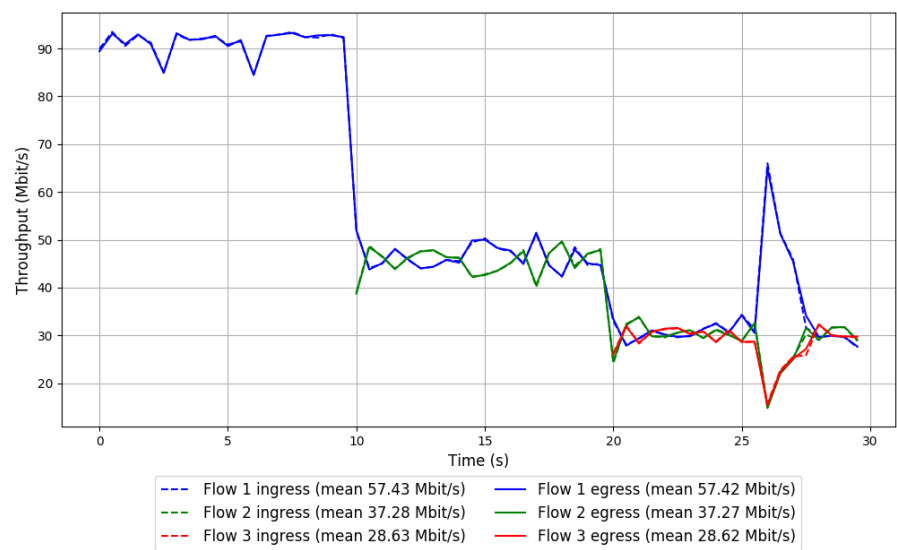


Run 1: Statistics of Copa

Start at: 2018-04-03 20:35:48
End at: 2018-04-03 20:36:18
Local clock offset: -5.601 ms
Remote clock offset: -6.873 ms

Below is generated by plot.py at 2018-04-04 00:36:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 13.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 10.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 9.608 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 25.251 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

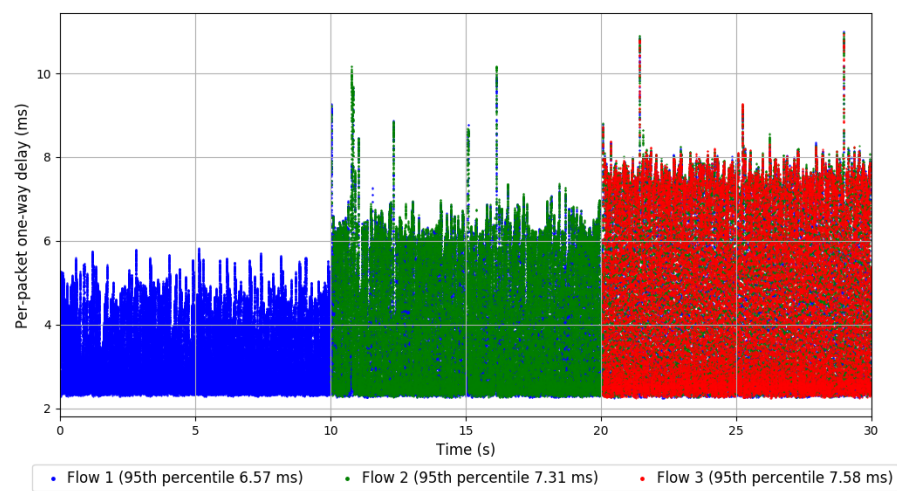
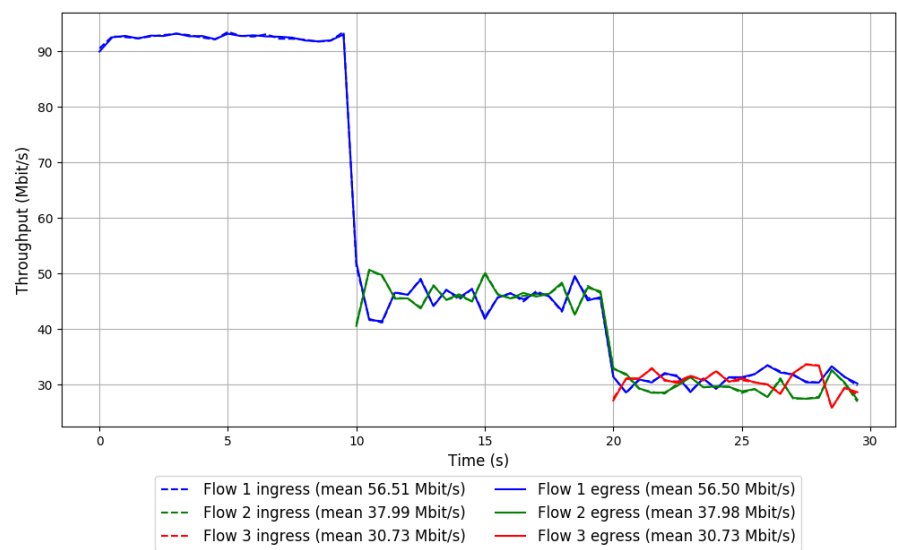


Run 2: Statistics of Copa

Start at: 2018-04-03 20:56:18
End at: 2018-04-03 20:56:48
Local clock offset: -6.585 ms
Remote clock offset: -7.071 ms

Below is generated by plot.py at 2018-04-04 00:36:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 7.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.50 Mbit/s
95th percentile per-packet one-way delay: 6.572 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 7.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 7.584 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-03 21:16:49

End at: 2018-04-03 21:17:19

Local clock offset: -6.603 ms

Remote clock offset: -7.12 ms

Below is generated by plot.py at 2018-04-04 00:36:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.29 Mbit/s

95th percentile per-packet one-way delay: 7.467 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 7.212 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 7.606 ms

Loss rate: 0.00%

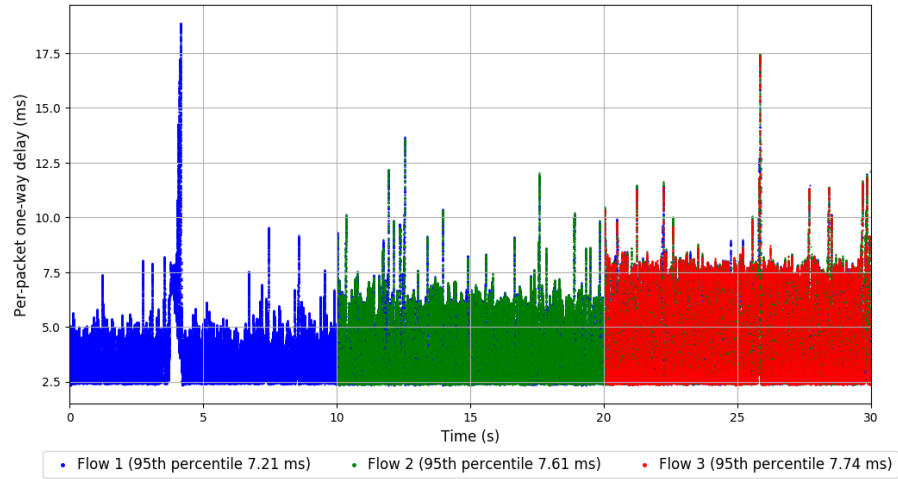
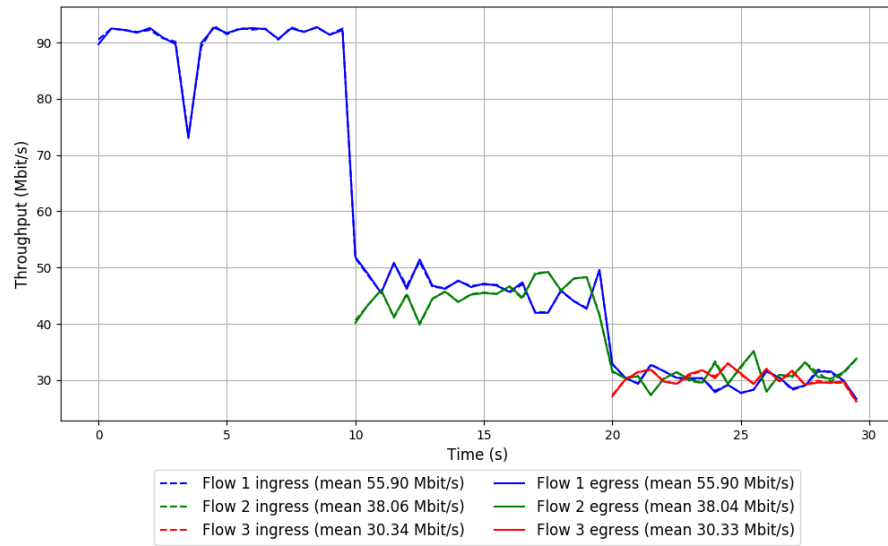
-- Flow 3:

Average throughput: 30.33 Mbit/s

95th percentile per-packet one-way delay: 7.738 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

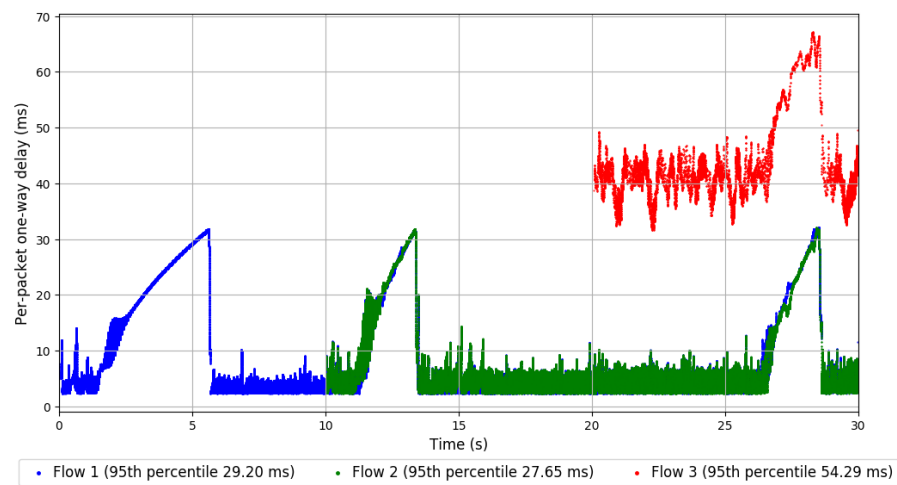
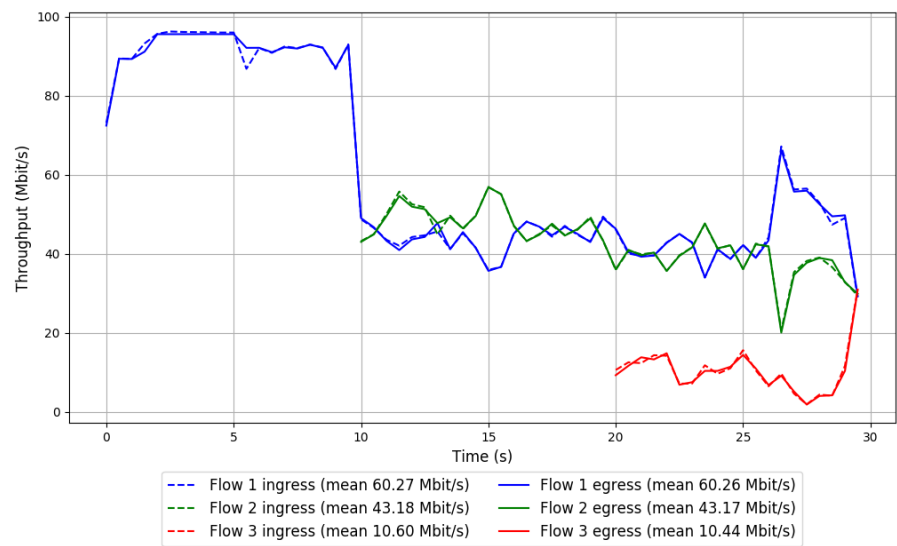


Run 4: Statistics of Copa

Start at: 2018-04-03 21:37:21
End at: 2018-04-03 21:37:51
Local clock offset: -6.321 ms
Remote clock offset: -6.413 ms

Below is generated by plot.py at 2018-04-04 00:36:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 31.123 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 29.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.17 Mbit/s
95th percentile per-packet one-way delay: 27.650 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 54.293 ms
Loss rate: 1.75%

Run 4: Report of Copa — Data Link

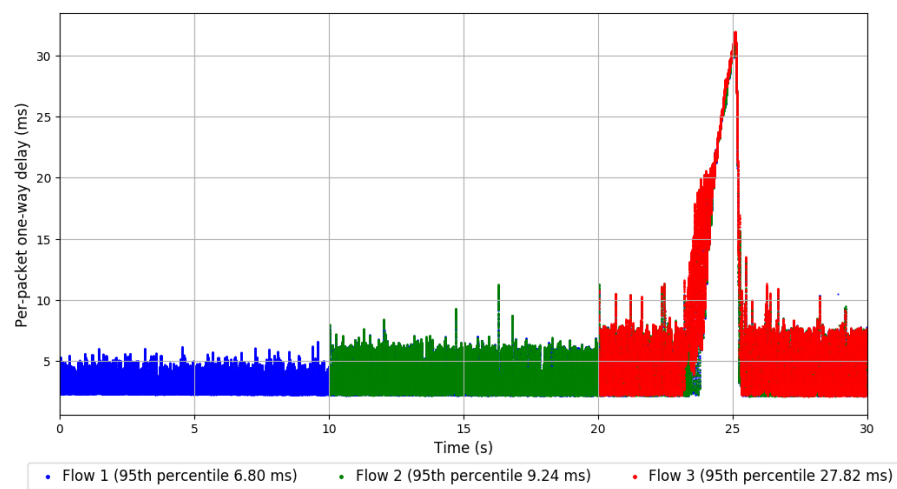
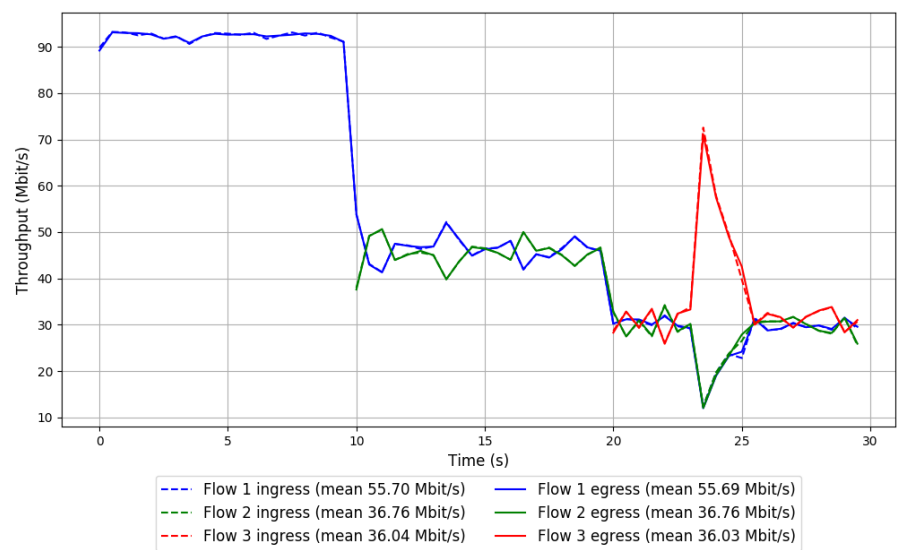


Run 5: Statistics of Copa

Start at: 2018-04-03 21:57:53
End at: 2018-04-03 21:58:23
Local clock offset: -6.422 ms
Remote clock offset: -3.984 ms

Below is generated by plot.py at 2018-04-04 00:36:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 13.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.69 Mbit/s
95th percentile per-packet one-way delay: 6.797 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 9.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 27.819 ms
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

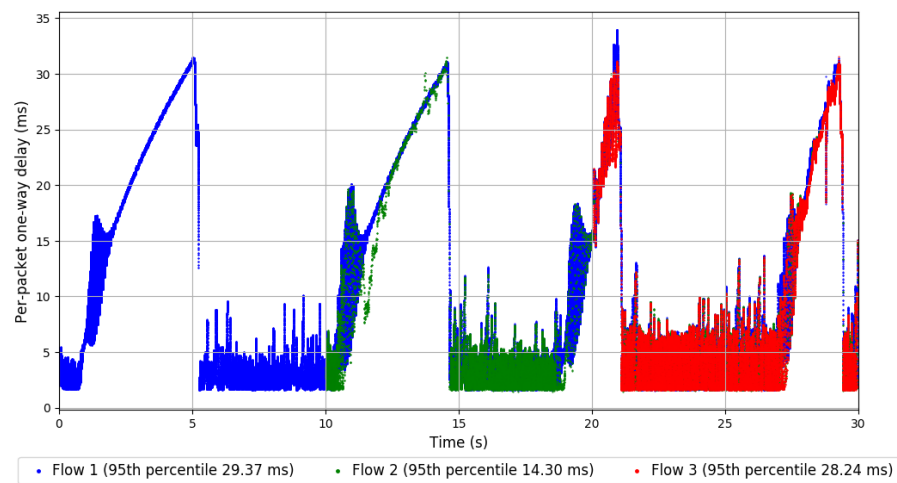
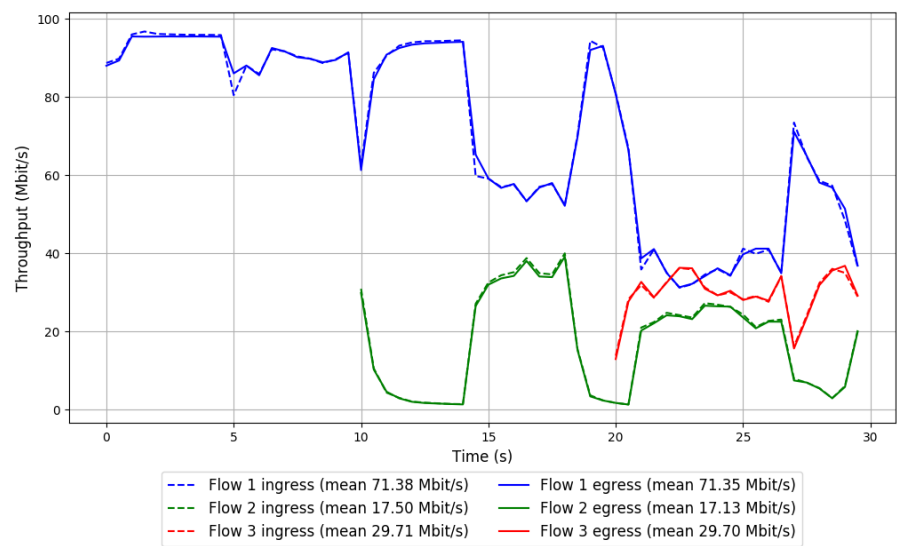


Run 6: Statistics of Copa

Start at: 2018-04-03 22:18:22
End at: 2018-04-03 22:18:52
Local clock offset: -6.468 ms
Remote clock offset: -1.523 ms

Below is generated by plot.py at 2018-04-04 00:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 29.009 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 71.35 Mbit/s
95th percentile per-packet one-way delay: 29.370 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.13 Mbit/s
95th percentile per-packet one-way delay: 14.304 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 28.239 ms
Loss rate: 0.03%

Run 6: Report of Copa — Data Link

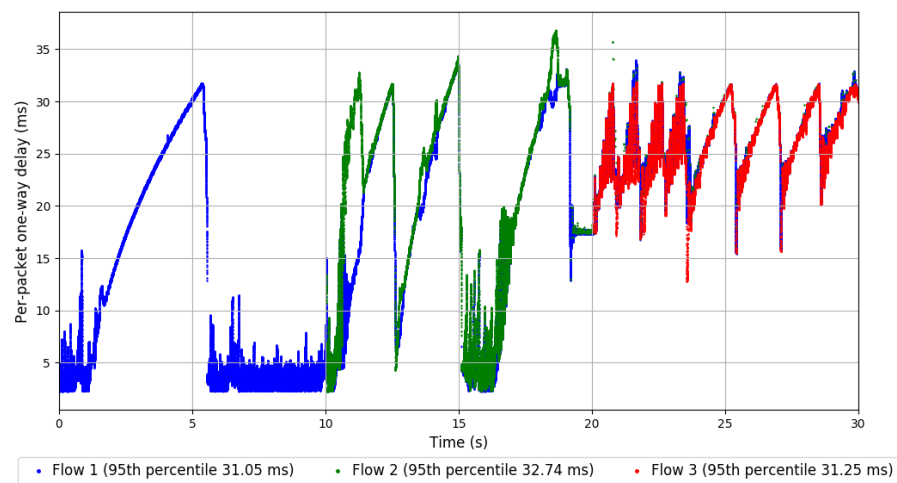
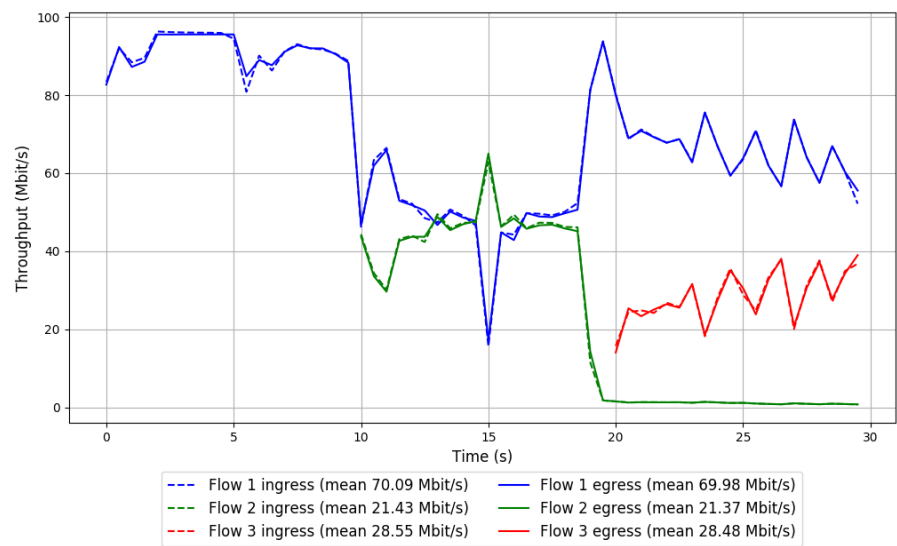


Run 7: Statistics of Copa

Start at: 2018-04-03 22:38:54
End at: 2018-04-03 22:39:24
Local clock offset: -5.822 ms
Remote clock offset: -1.362 ms

Below is generated by plot.py at 2018-04-04 00:37:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 31.309 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 69.98 Mbit/s
95th percentile per-packet one-way delay: 31.053 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 21.37 Mbit/s
95th percentile per-packet one-way delay: 32.741 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 31.251 ms
Loss rate: 0.11%

Run 7: Report of Copa — Data Link

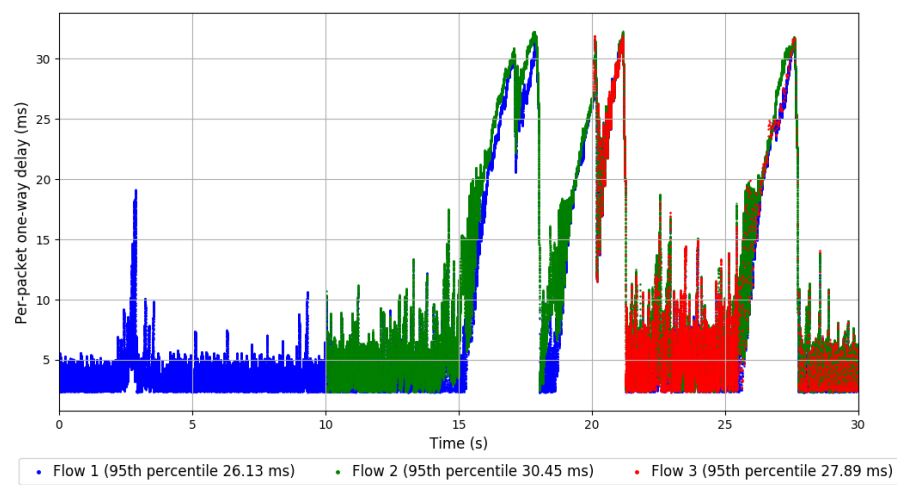
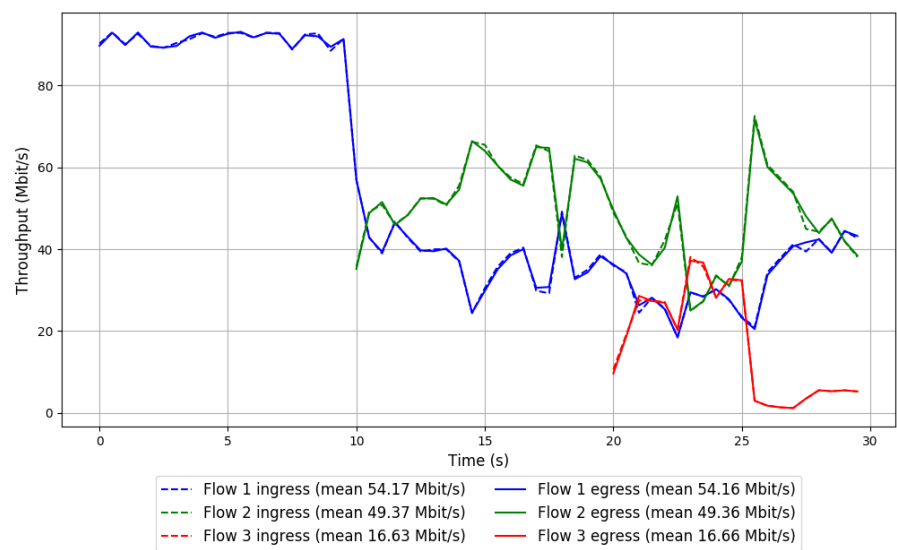


Run 8: Statistics of Copa

Start at: 2018-04-03 22:59:24
End at: 2018-04-03 22:59:54
Local clock offset: -5.532 ms
Remote clock offset: -1.019 ms

Below is generated by plot.py at 2018-04-04 00:37:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 28.885 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.16 Mbit/s
95th percentile per-packet one-way delay: 26.133 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 30.446 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 16.66 Mbit/s
95th percentile per-packet one-way delay: 27.894 ms
Loss rate: 0.05%

Run 8: Report of Copa — Data Link

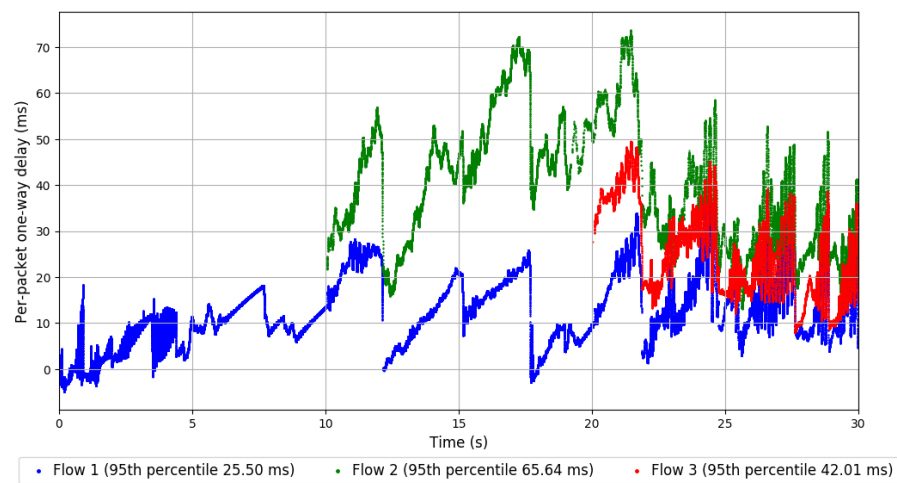
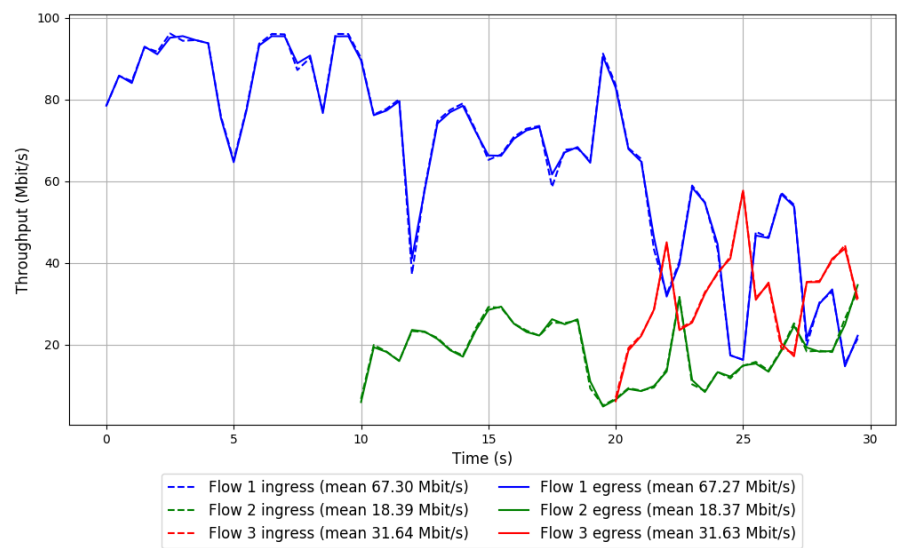


Run 9: Statistics of Copa

Start at: 2018-04-03 23:19:56
End at: 2018-04-03 23:20:26
Local clock offset: -5.231 ms
Remote clock offset: -16.31 ms

Below is generated by plot.py at 2018-04-04 00:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 44.922 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 25.500 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 65.645 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 42.012 ms
Loss rate: 0.25%

Run 9: Report of Copa — Data Link

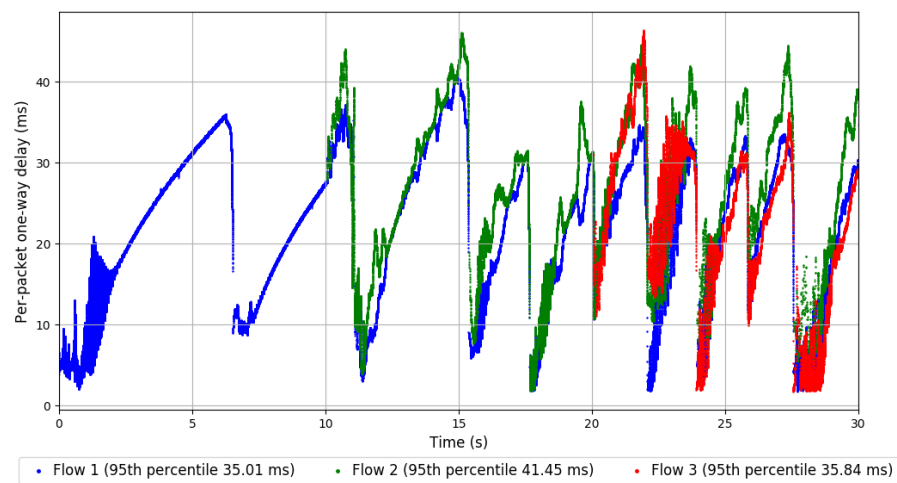
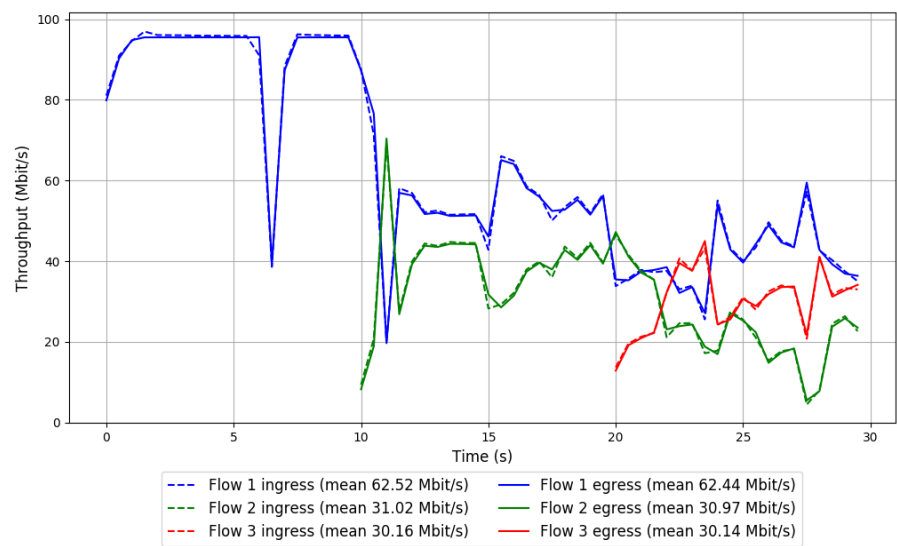


Run 10: Statistics of Copa

Start at: 2018-04-03 23:40:32
End at: 2018-04-03 23:41:02
Local clock offset: -5.503 ms
Remote clock offset: -7.747 ms

Below is generated by plot.py at 2018-04-04 00:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 37.231 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 35.005 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 41.445 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 35.844 ms
Loss rate: 0.09%

Run 10: Report of Copa — Data Link

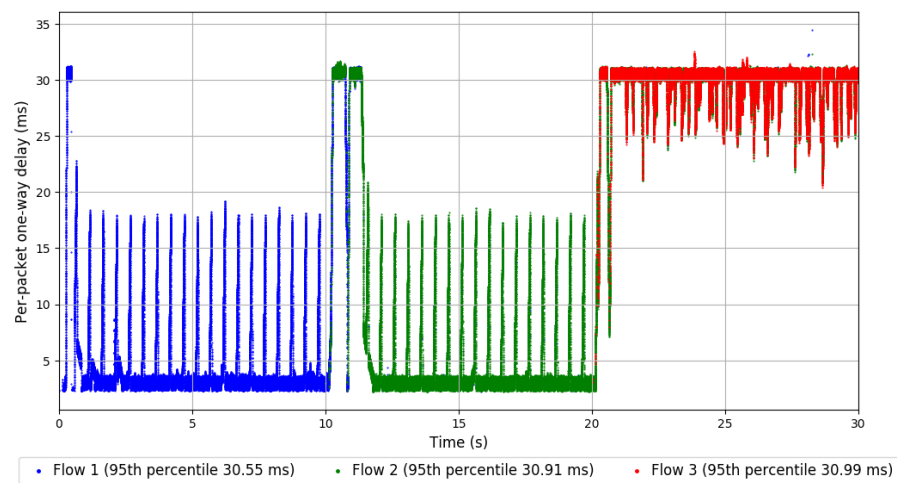
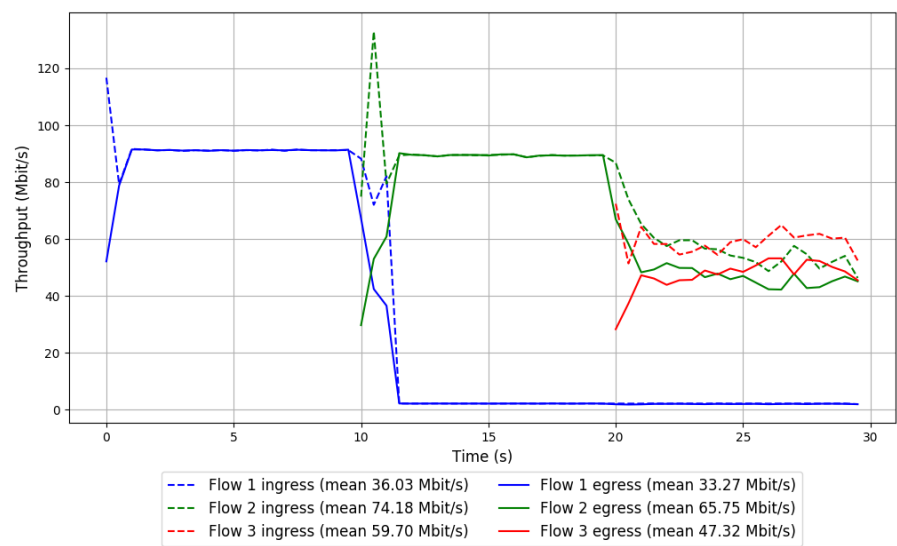


Run 1: Statistics of FillP

Start at: 2018-04-03 20:38:09
End at: 2018-04-03 20:38:39
Local clock offset: -5.651 ms
Remote clock offset: -6.875 ms

Below is generated by plot.py at 2018-04-04 00:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 30.917 ms
Loss rate: 11.74%
-- Flow 1:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 30.547 ms
Loss rate: 7.61%
-- Flow 2:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 30.912 ms
Loss rate: 11.24%
-- Flow 3:
Average throughput: 47.32 Mbit/s
95th percentile per-packet one-way delay: 30.992 ms
Loss rate: 20.51%

Run 1: Report of FillP — Data Link

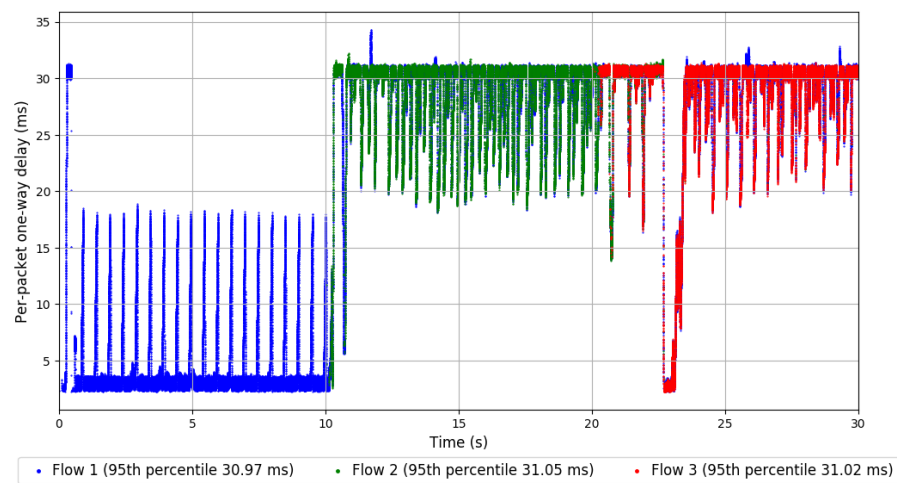
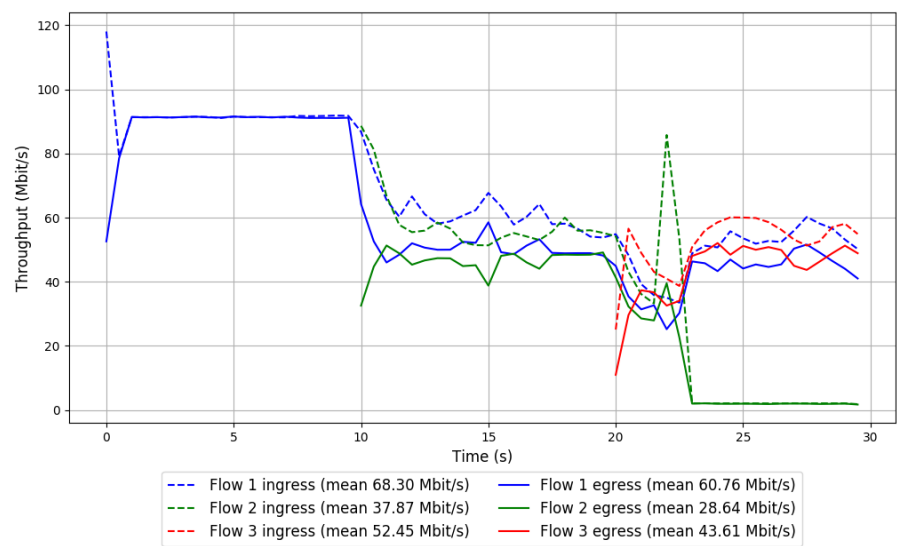


Run 2: Statistics of FillP

Start at: 2018-04-03 20:58:39
End at: 2018-04-03 20:59:09
Local clock offset: -6.633 ms
Remote clock offset: -7.074 ms

Below is generated by plot.py at 2018-04-04 00:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.25 Mbit/s
95th percentile per-packet one-way delay: 31.009 ms
Loss rate: 14.92%
-- Flow 1:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 30.973 ms
Loss rate: 10.96%
-- Flow 2:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 31.051 ms
Loss rate: 24.32%
-- Flow 3:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 31.016 ms
Loss rate: 16.86%

Run 2: Report of FillP — Data Link

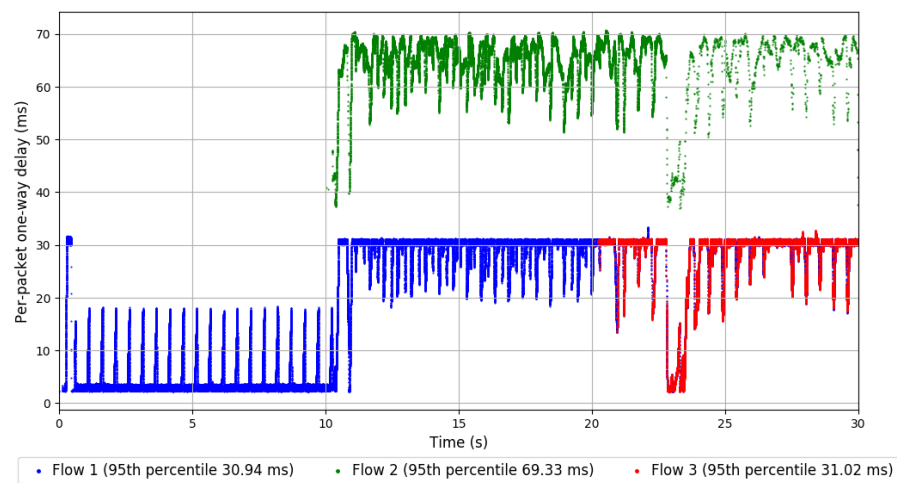
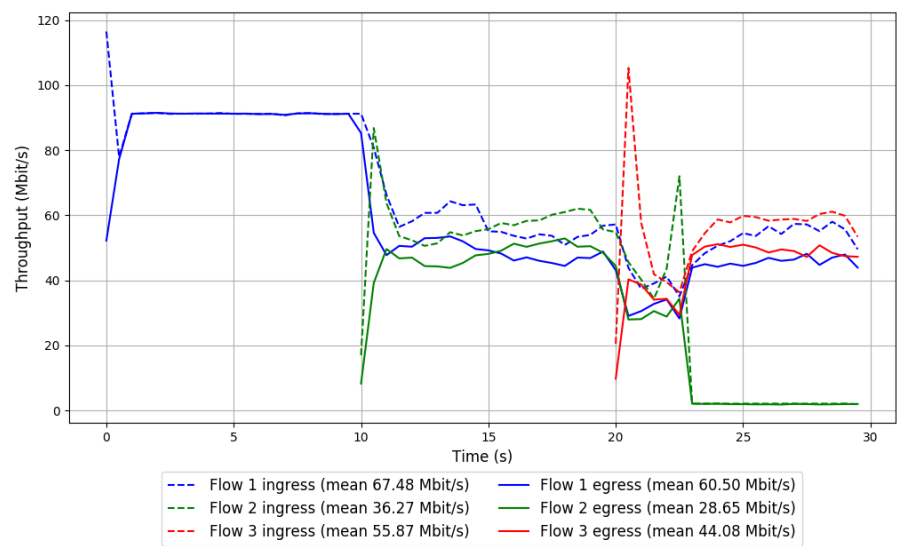


Run 3: Statistics of FillP

Start at: 2018-04-03 21:19:10
End at: 2018-04-03 21:19:40
Local clock offset: -6.464 ms
Remote clock offset: -7.02 ms

Below is generated by plot.py at 2018-04-04 00:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 67.950 ms
Loss rate: 14.45%
-- Flow 1:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 30.939 ms
Loss rate: 10.27%
-- Flow 2:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 69.333 ms
Loss rate: 21.04%
-- Flow 3:
Average throughput: 44.08 Mbit/s
95th percentile per-packet one-way delay: 31.016 ms
Loss rate: 21.09%

Run 3: Report of FillP — Data Link

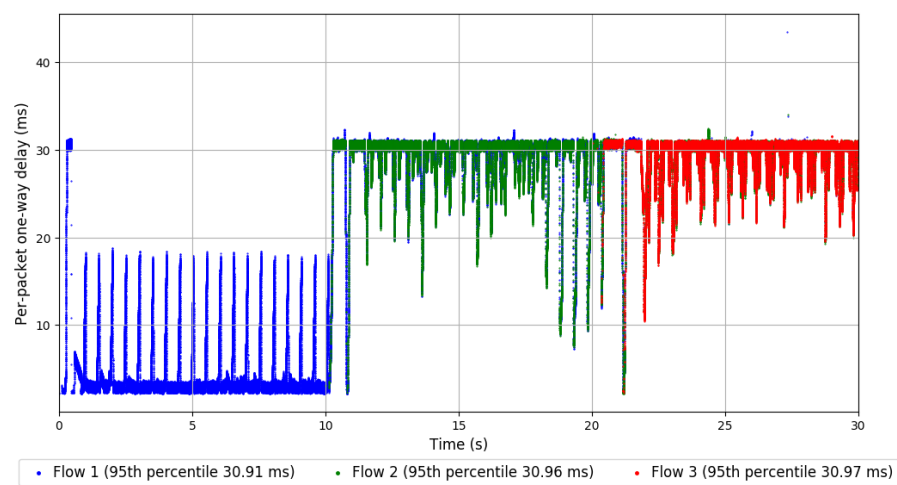
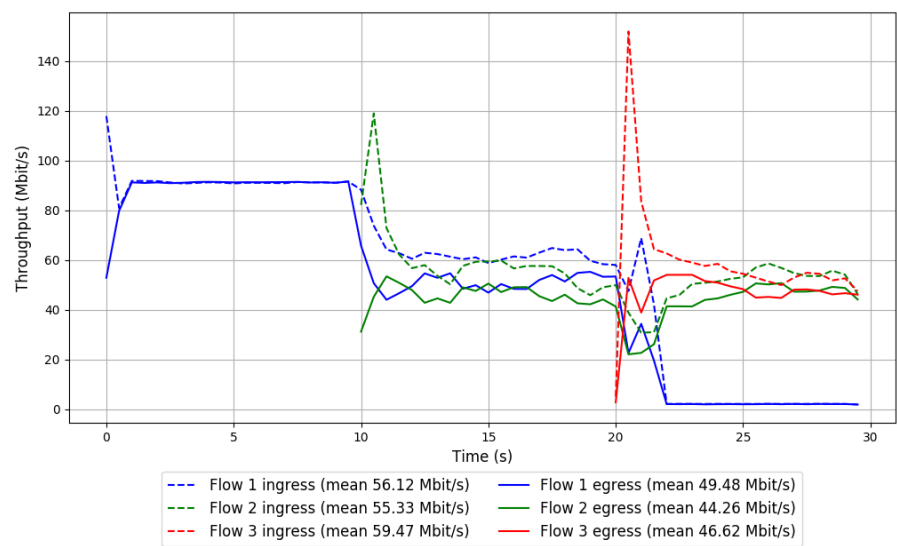


Run 4: Statistics of FillP

Start at: 2018-04-03 21:39:42
End at: 2018-04-03 21:40:12
Local clock offset: -6.248 ms
Remote clock offset: -6.432 ms

Below is generated by plot.py at 2018-04-04 00:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 30.947 ms
Loss rate: 16.13%
-- Flow 1:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 30.910 ms
Loss rate: 11.74%
-- Flow 2:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 30.962 ms
Loss rate: 19.90%
-- Flow 3:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 30.967 ms
Loss rate: 21.60%

Run 4: Report of FillP — Data Link

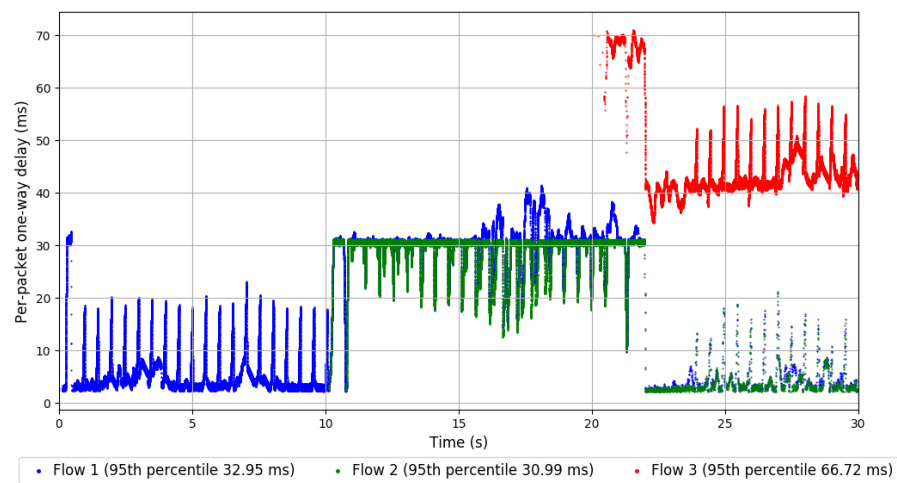
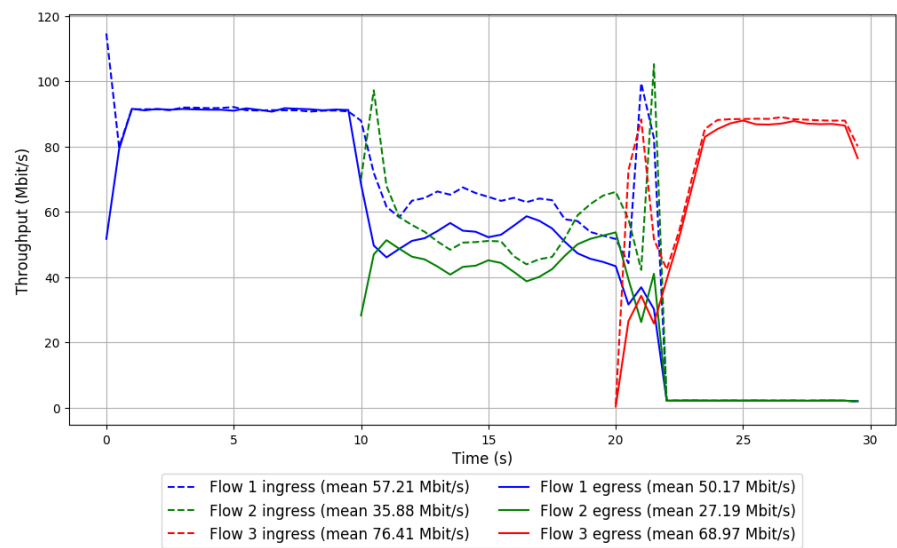


Run 5: Statistics of FillP

Start at: 2018-04-03 22:00:14
End at: 2018-04-03 22:00:44
Local clock offset: -6.436 ms
Remote clock offset: -3.315 ms

Below is generated by plot.py at 2018-04-04 00:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 47.137 ms
Loss rate: 14.50%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 32.947 ms
Loss rate: 12.30%
-- Flow 2:
Average throughput: 27.19 Mbit/s
95th percentile per-packet one-way delay: 30.990 ms
Loss rate: 24.22%
-- Flow 3:
Average throughput: 68.97 Mbit/s
95th percentile per-packet one-way delay: 66.724 ms
Loss rate: 10.30%

Run 5: Report of FillP — Data Link

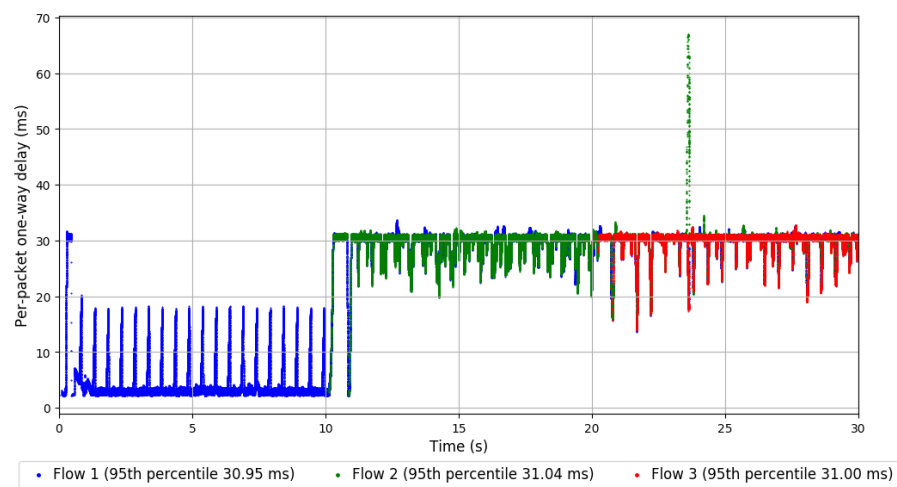
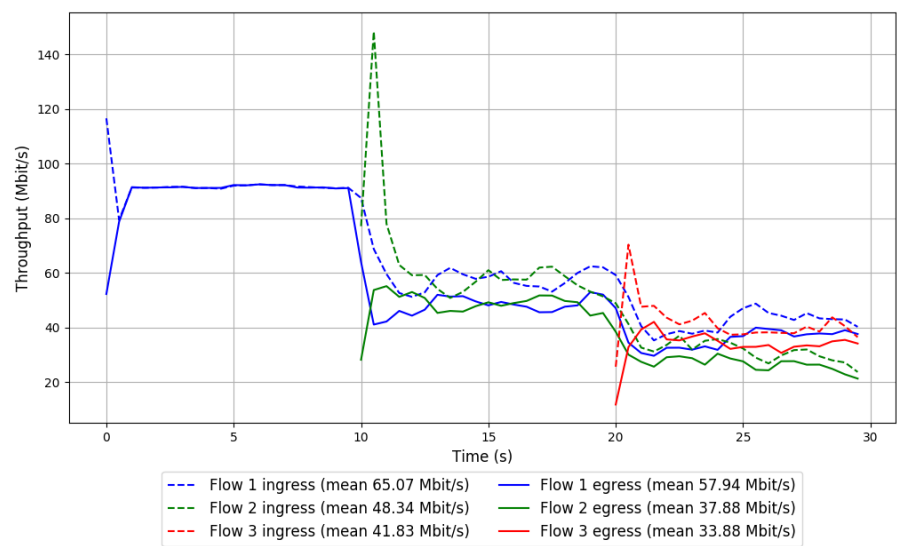


Run 6: Statistics of FillP

Start at: 2018-04-03 22:20:43
End at: 2018-04-03 22:21:13
Local clock offset: -6.391 ms
Remote clock offset: -0.708 ms

Below is generated by plot.py at 2018-04-04 00:39:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 30.989 ms
Loss rate: 14.97%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 30.955 ms
Loss rate: 10.88%
-- Flow 2:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 31.039 ms
Loss rate: 21.53%
-- Flow 3:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 31.004 ms
Loss rate: 18.98%

Run 6: Report of FillP — Data Link

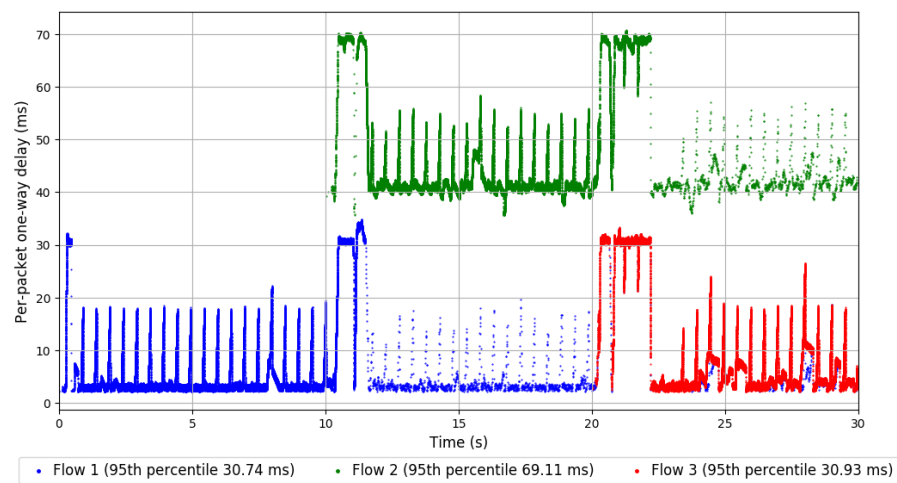
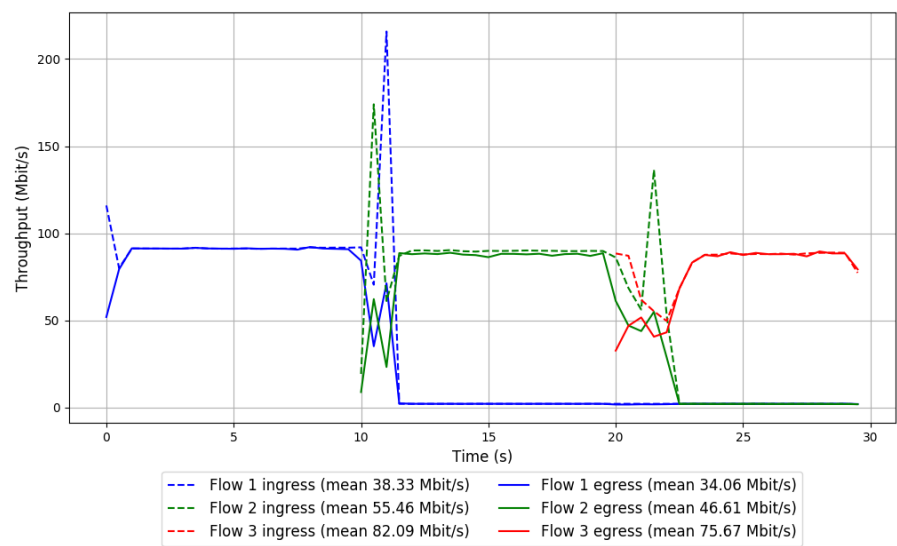


Run 7: Statistics of FillP

Start at: 2018-04-03 22:41:15
End at: 2018-04-03 22:41:45
Local clock offset: -5.772 ms
Remote clock offset: -1.387 ms

Below is generated by plot.py at 2018-04-04 00:39:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 58.089 ms
Loss rate: 12.04%
-- Flow 1:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 30.737 ms
Loss rate: 11.14%
-- Flow 2:
Average throughput: 46.61 Mbit/s
95th percentile per-packet one-way delay: 69.106 ms
Loss rate: 16.10%
-- Flow 3:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 30.925 ms
Loss rate: 7.79%

Run 7: Report of FillP — Data Link

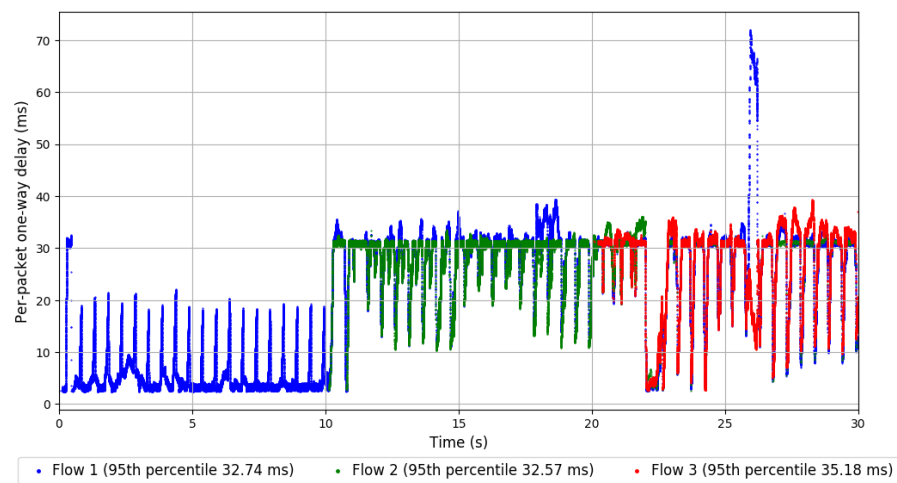
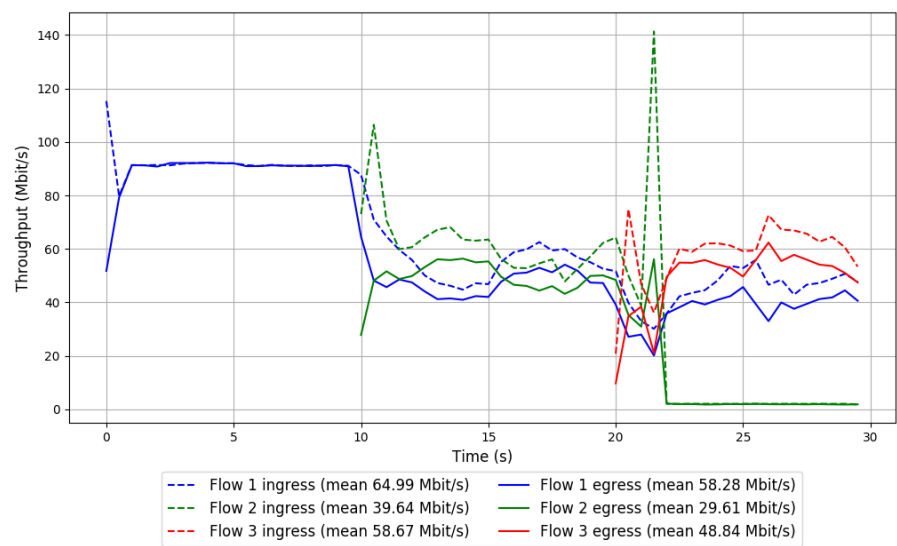


Run 8: Statistics of FillP

Start at: 2018-04-03 23:01:45
End at: 2018-04-03 23:02:15
Local clock offset: -5.495 ms
Remote clock offset: -1.794 ms

```
# Below is generated by plot.py at 2018-04-04 00:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 33.820 ms
Loss rate: 14.97%
-- Flow 1:
Average throughput: 58.28 Mbit/s
95th percentile per-packet one-way delay: 32.744 ms
Loss rate: 10.27%
-- Flow 2:
Average throughput: 29.61 Mbit/s
95th percentile per-packet one-way delay: 32.569 ms
Loss rate: 25.26%
-- Flow 3:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 35.180 ms
Loss rate: 16.72%
```

Run 8: Report of FillP — Data Link

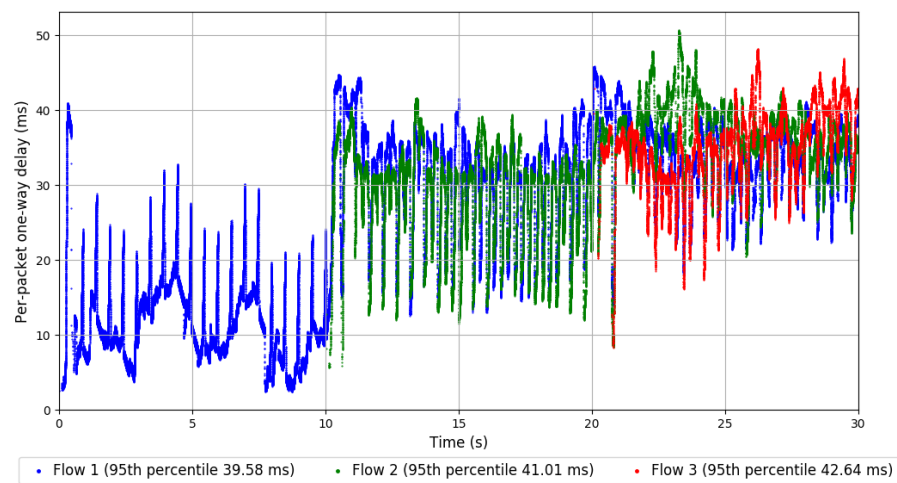
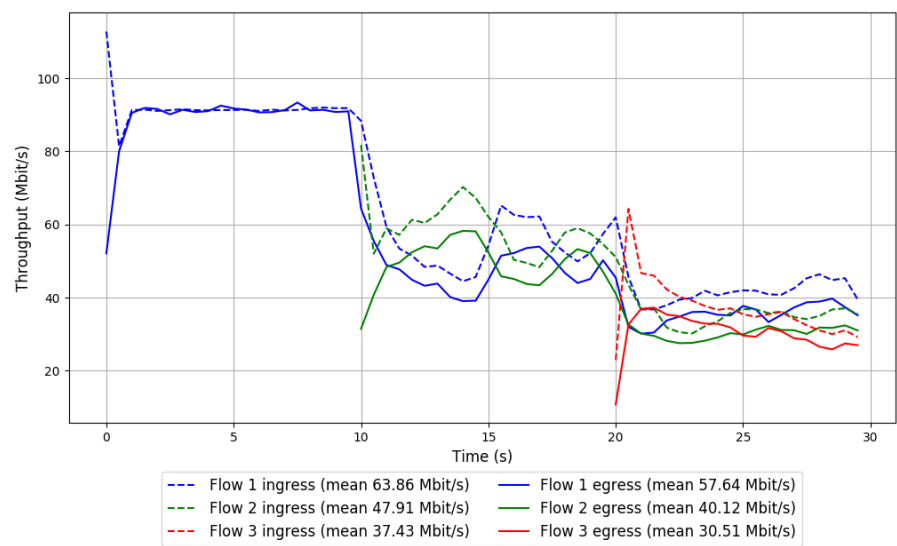


Run 9: Statistics of FillP

Start at: 2018-04-03 23:22:18
End at: 2018-04-03 23:22:48
Local clock offset: -5.312 ms
Remote clock offset: -7.604 ms

Below is generated by plot.py at 2018-04-04 00:40:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 40.589 ms
Loss rate: 12.60%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 39.584 ms
Loss rate: 9.65%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 41.008 ms
Loss rate: 16.17%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 42.639 ms
Loss rate: 18.55%

Run 9: Report of FillP — Data Link

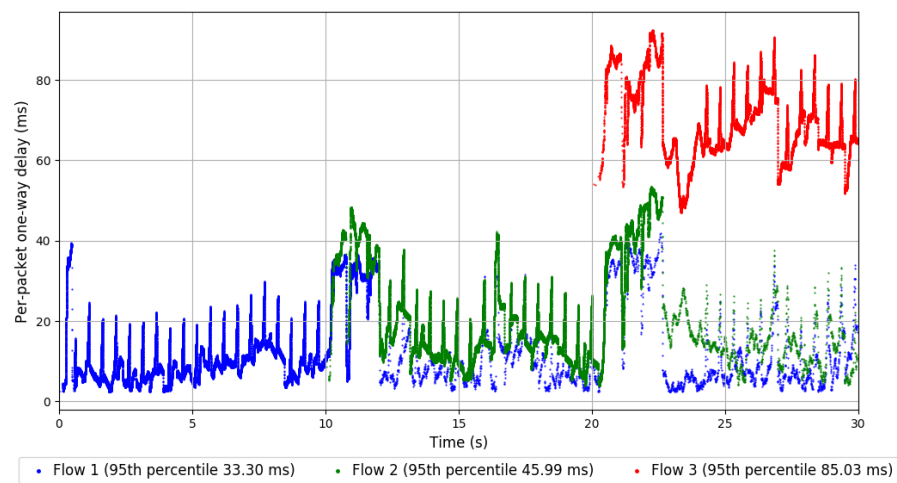
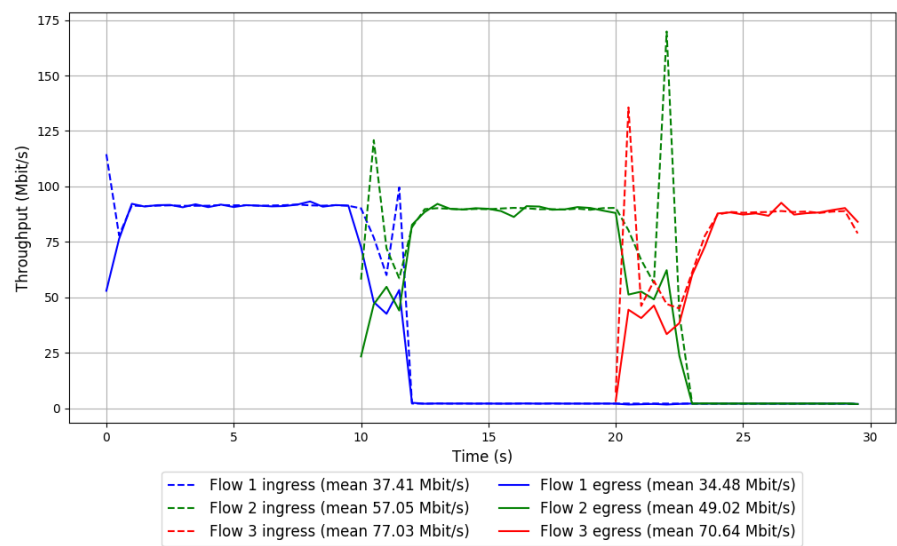


Run 10: Statistics of FillP

Start at: 2018-04-03 23:42:54
End at: 2018-04-03 23:43:24
Local clock offset: -6.016 ms
Remote clock offset: -7.473 ms

Below is generated by plot.py at 2018-04-04 00:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 76.556 ms
Loss rate: 10.35%
-- Flow 1:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 33.301 ms
Loss rate: 7.78%
-- Flow 2:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 45.991 ms
Loss rate: 14.07%
-- Flow 3:
Average throughput: 70.64 Mbit/s
95th percentile per-packet one-way delay: 85.028 ms
Loss rate: 8.59%

Run 10: Report of FillP — Data Link

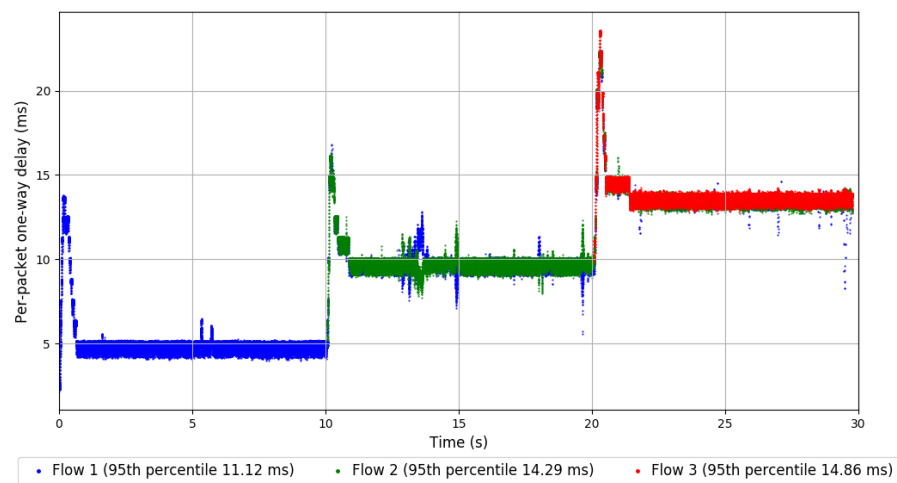
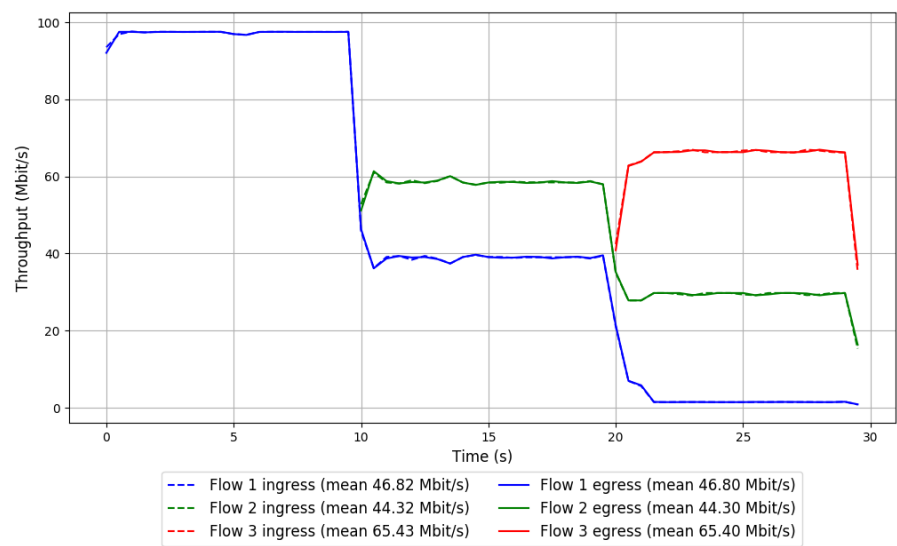


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-03 20:24:32
End at: 2018-04-03 20:25:02
Local clock offset: -5.764 ms
Remote clock offset: -6.863 ms

# Below is generated by plot.py at 2018-04-04 00:40:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 14.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 11.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.30 Mbit/s
95th percentile per-packet one-way delay: 14.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 14.860 ms
Loss rate: 0.00%
```

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

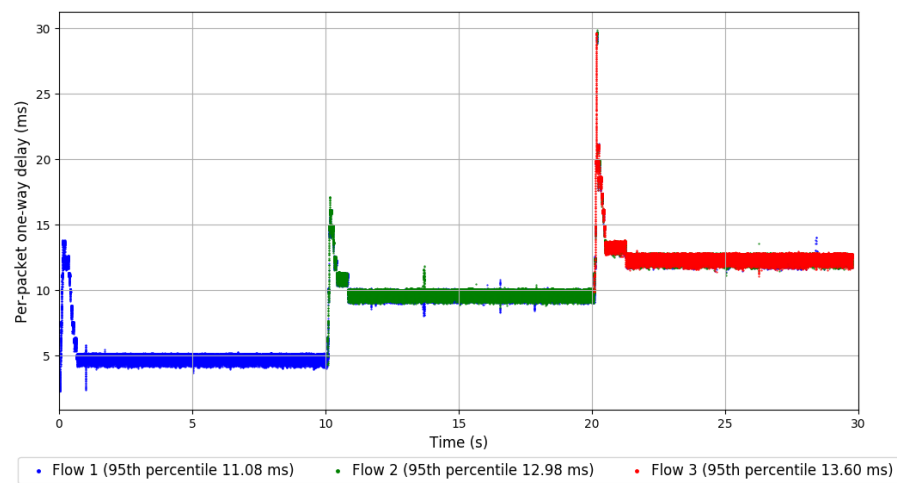
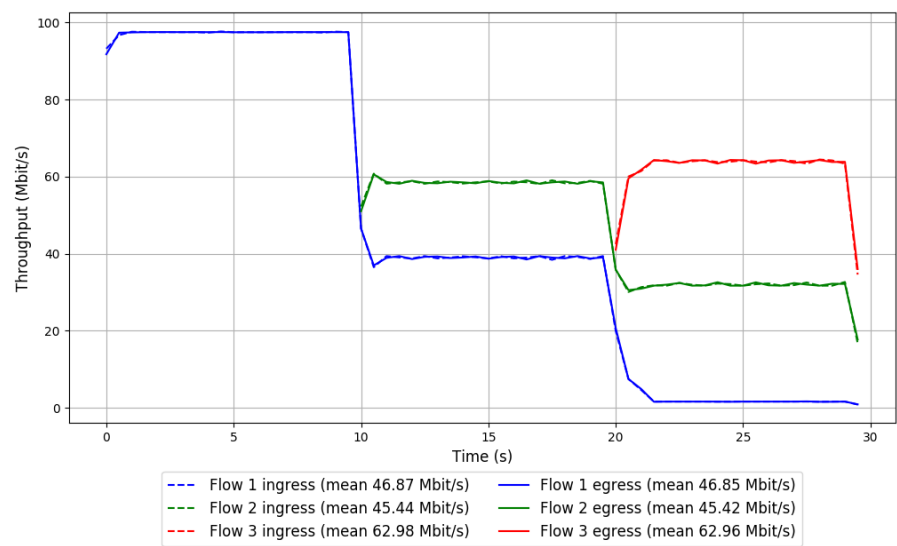


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-03 20:45:01
End at: 2018-04-03 20:45:31
Local clock offset: -6.26 ms
Remote clock offset: -6.926 ms

Below is generated by plot.py at 2018-04-04 00:40:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 11.080 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 12.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.96 Mbit/s
95th percentile per-packet one-way delay: 13.601 ms
Loss rate: 0.00%

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

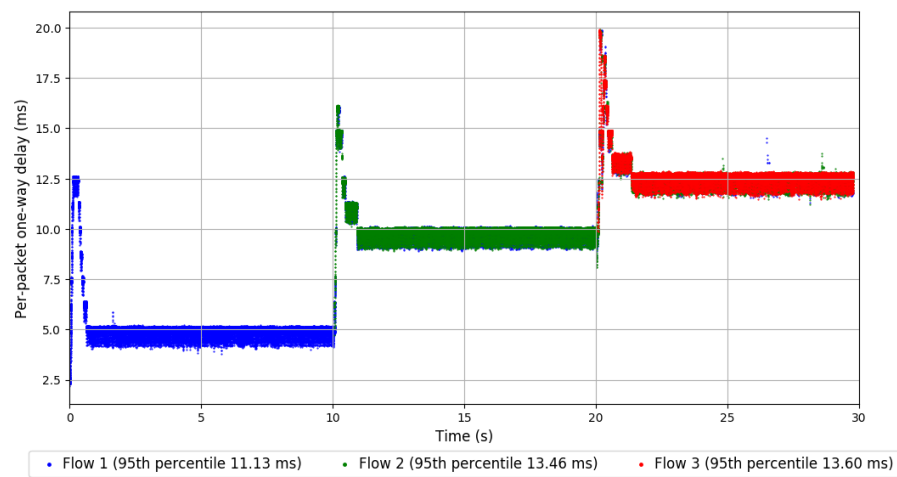
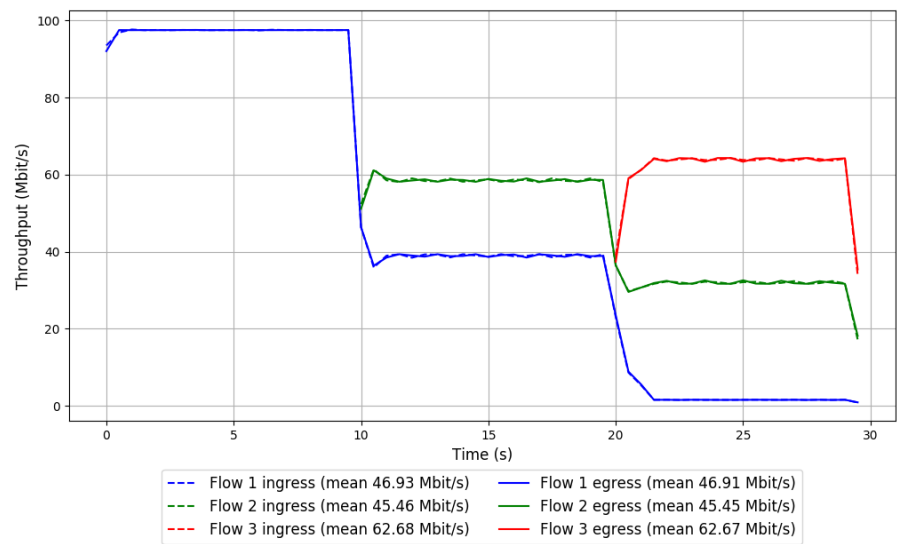


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-03 21:05:32
End at: 2018-04-03 21:06:02
Local clock offset: -6.697 ms
Remote clock offset: -7.072 ms

Below is generated by plot.py at 2018-04-04 00:40:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 12.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 11.129 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.45 Mbit/s
95th percentile per-packet one-way delay: 13.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 13.595 ms
Loss rate: 0.00%

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

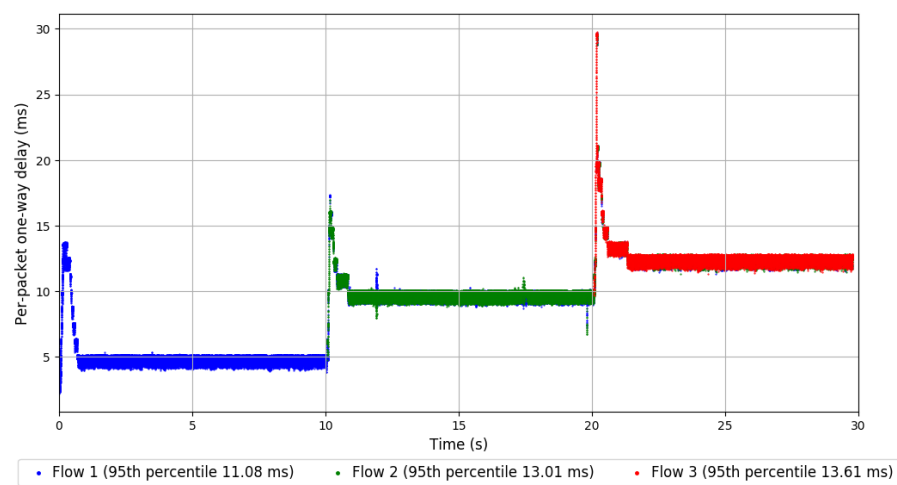
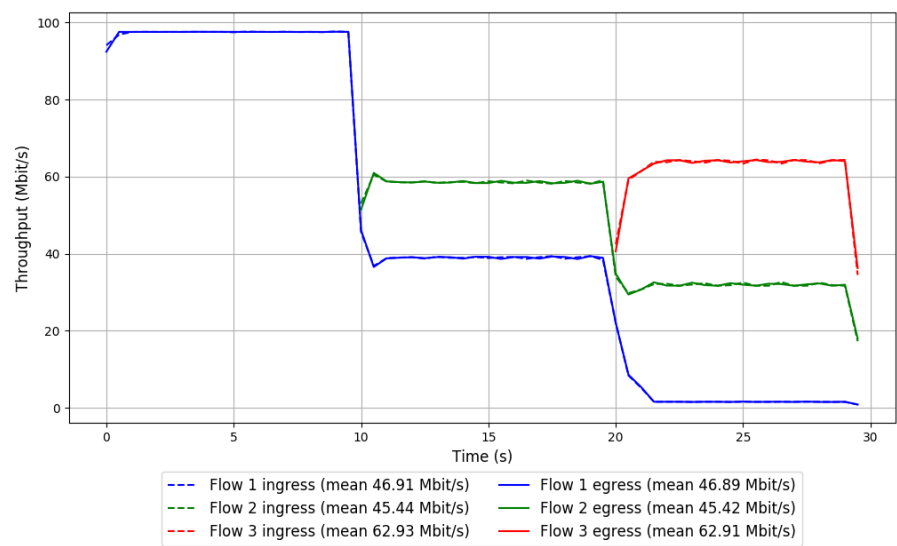


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-03 21:26:04
End at: 2018-04-03 21:26:34
Local clock offset: -6.338 ms
Remote clock offset: -6.639 ms

Below is generated by plot.py at 2018-04-04 00:40:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 12.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 11.081 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 13.014 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 13.607 ms
Loss rate: 0.00%

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

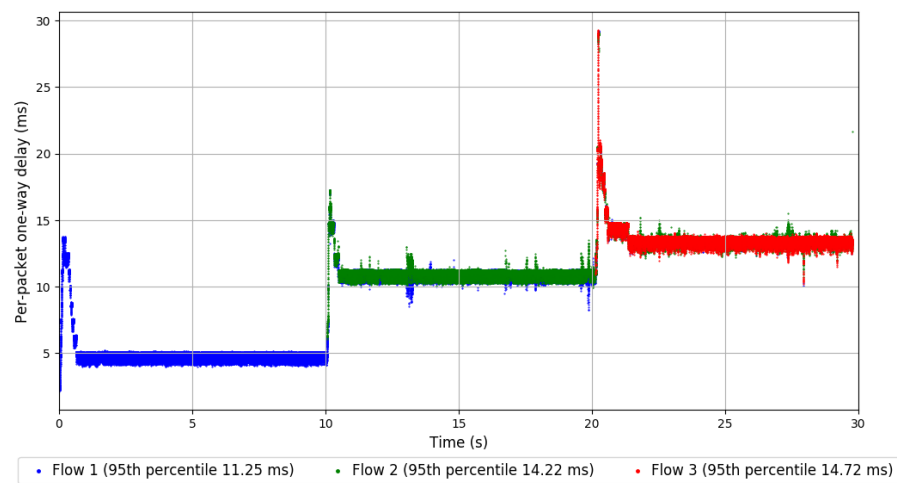
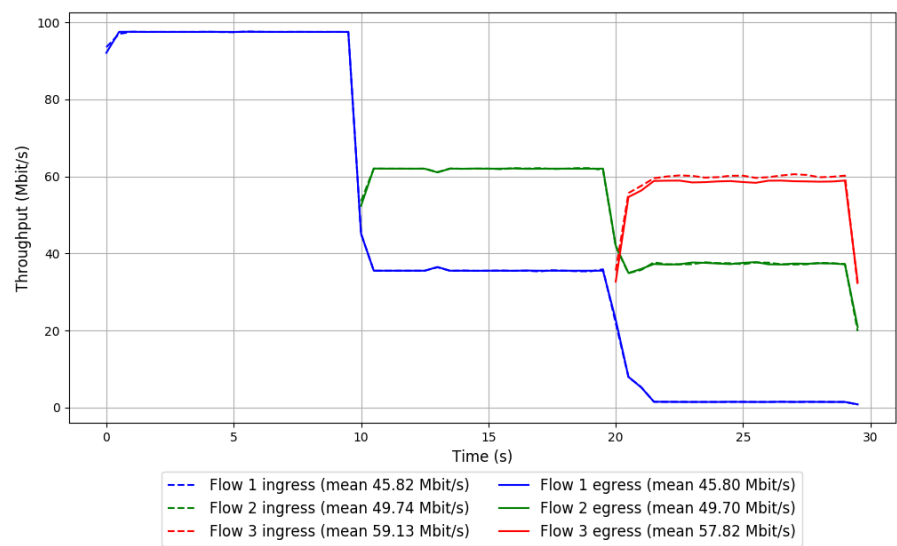


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-03 21:46:36
End at: 2018-04-03 21:47:06
Local clock offset: -6.239 ms
Remote clock offset: -6.369 ms

Below is generated by plot.py at 2018-04-04 00:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 13.792 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 11.251 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.70 Mbit/s
95th percentile per-packet one-way delay: 14.223 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 14.722 ms
Loss rate: 2.20%

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

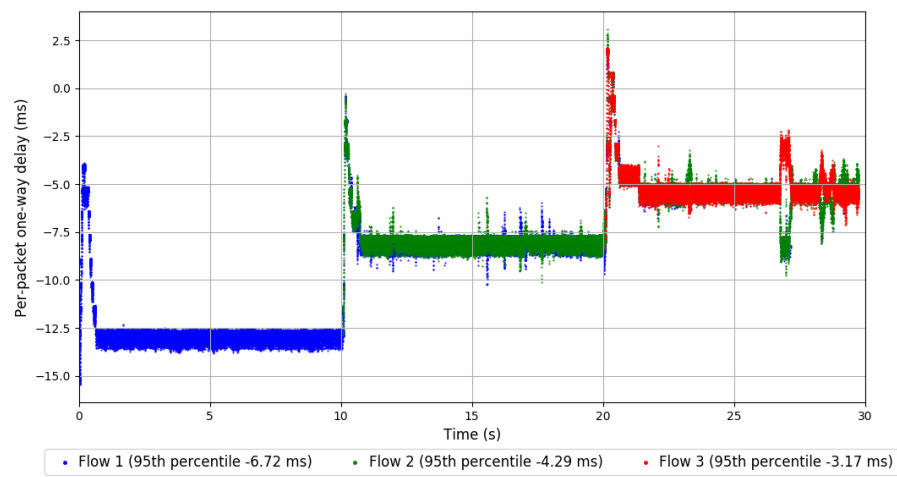
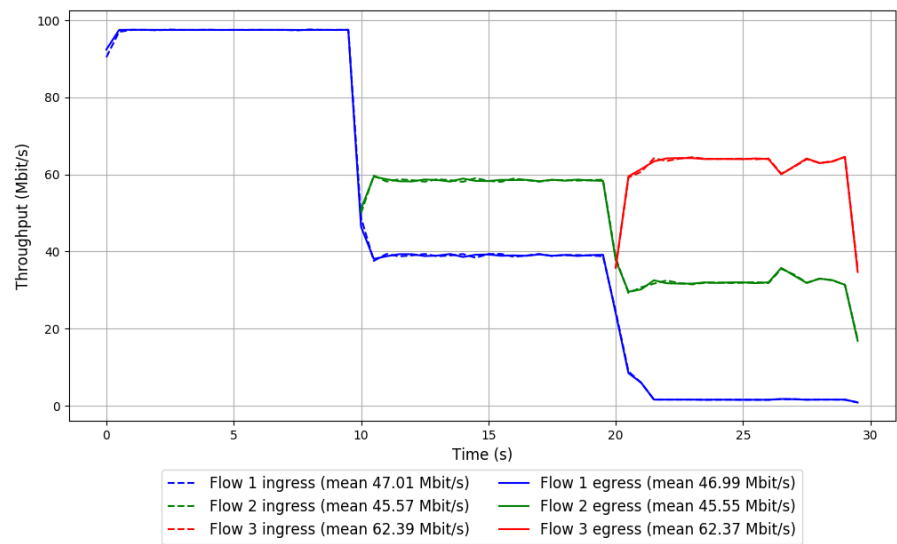


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-03 22:07:05
End at: 2018-04-03 22:07:35
Local clock offset: -6.433 ms
Remote clock offset: -19.737 ms

Below is generated by plot.py at 2018-04-04 00:41:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: -4.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: -6.716 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: -4.288 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.37 Mbit/s
95th percentile per-packet one-way delay: -3.173 ms
Loss rate: 0.00%

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

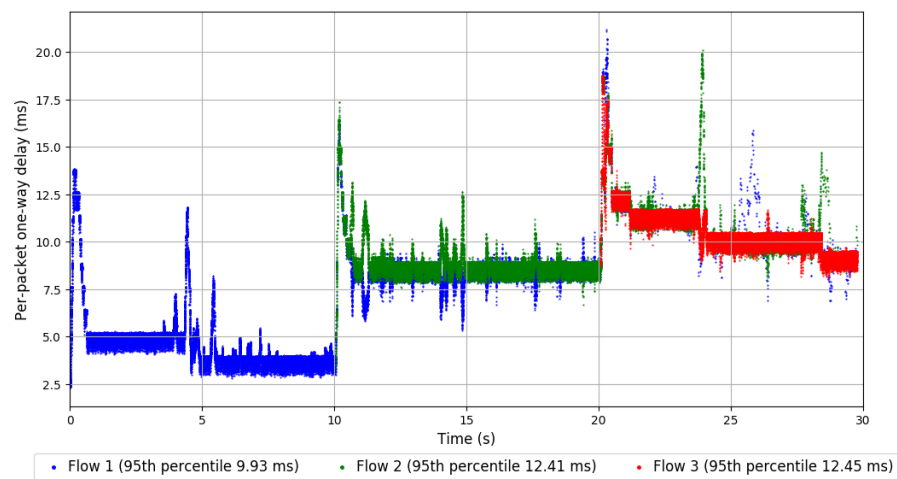
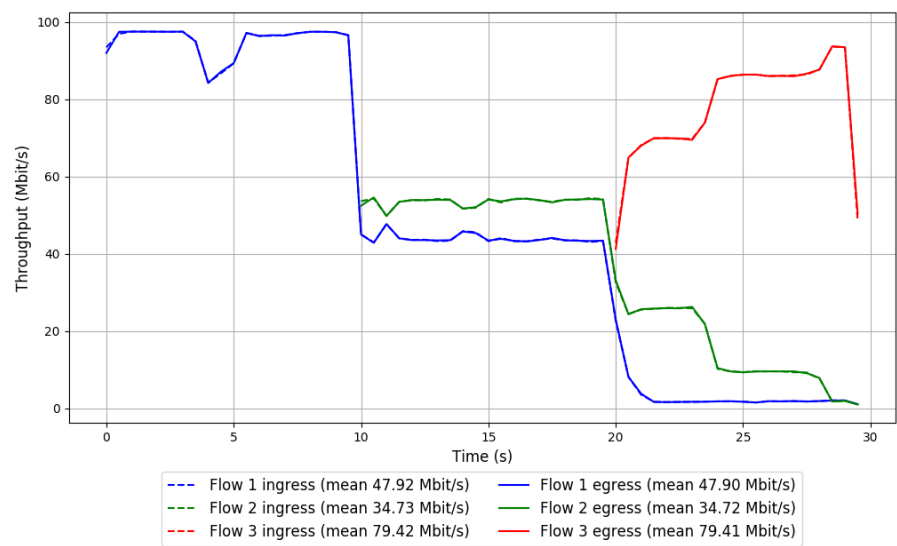


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-03 22:27:37
End at: 2018-04-03 22:28:07
Local clock offset: -6.098 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-04-04 00:41:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 12.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 9.927 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 12.410 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 79.41 Mbit/s
95th percentile per-packet one-way delay: 12.447 ms
Loss rate: 0.00%

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

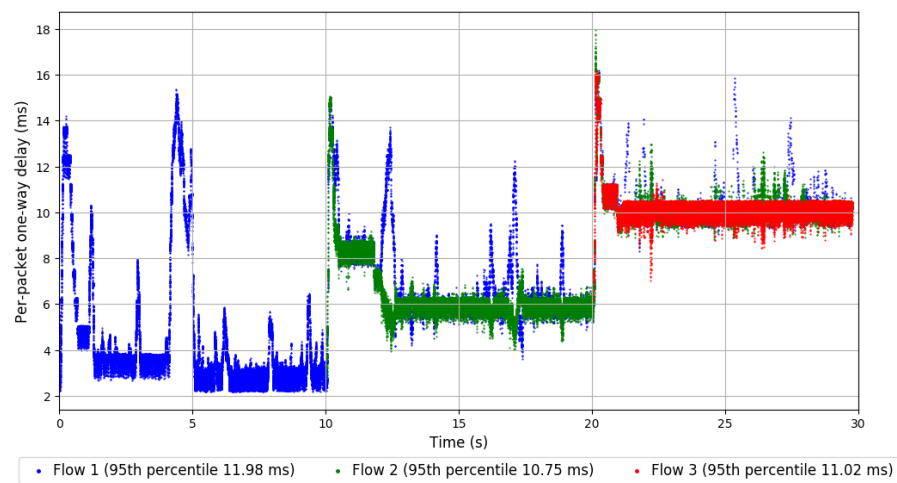
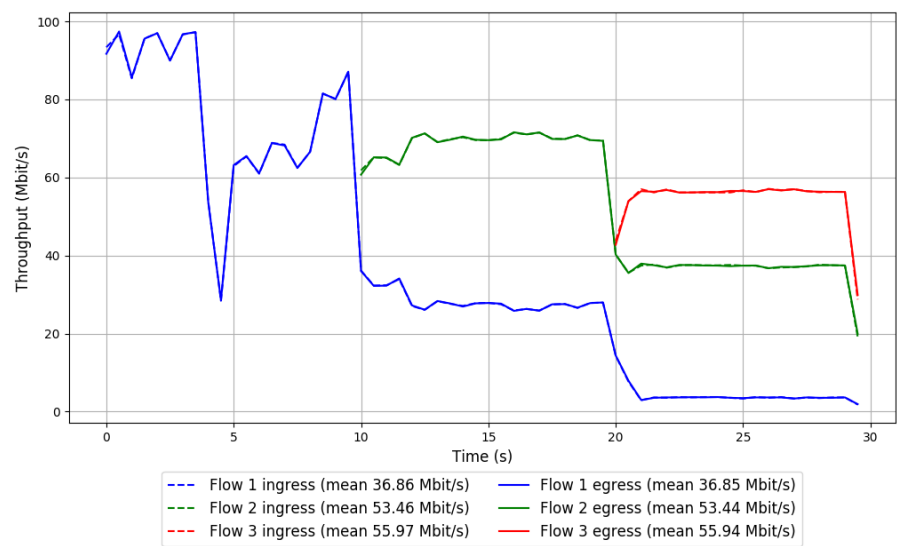


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-03 22:48:08
End at: 2018-04-03 22:48:38
Local clock offset: -5.684 ms
Remote clock offset: -1.358 ms

Below is generated by plot.py at 2018-04-04 00:41:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 11.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 11.976 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 53.44 Mbit/s
95th percentile per-packet one-way delay: 10.747 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 11.024 ms
Loss rate: 0.00%

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

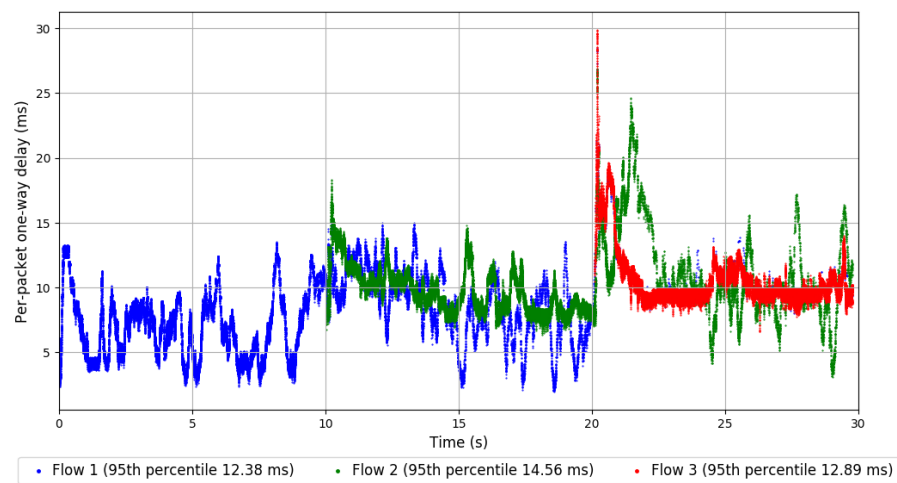
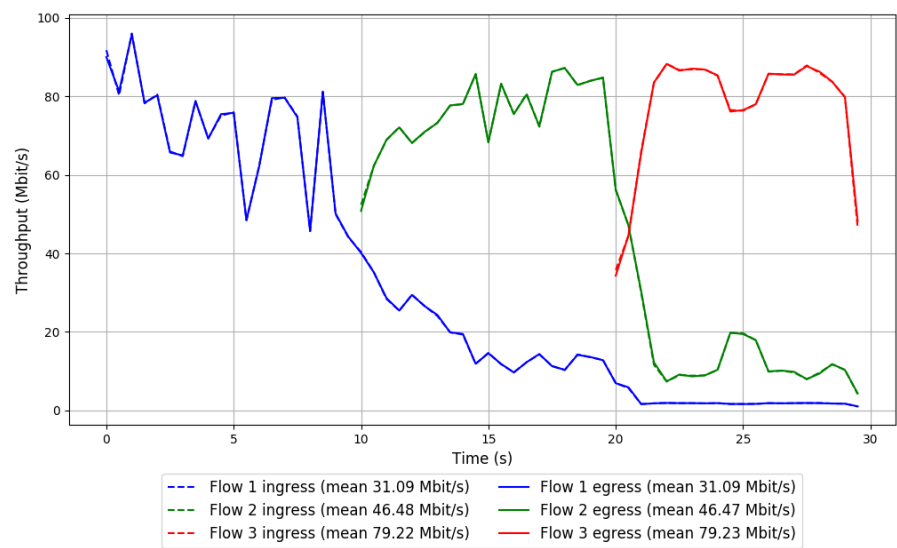


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-03 23:08:39
End at: 2018-04-03 23:09:09
Local clock offset: -4.804 ms
Remote clock offset: -4.904 ms

Below is generated by plot.py at 2018-04-04 00:41:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 13.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.09 Mbit/s
95th percentile per-packet one-way delay: 12.377 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.47 Mbit/s
95th percentile per-packet one-way delay: 14.556 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 12.890 ms
Loss rate: 0.00%

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

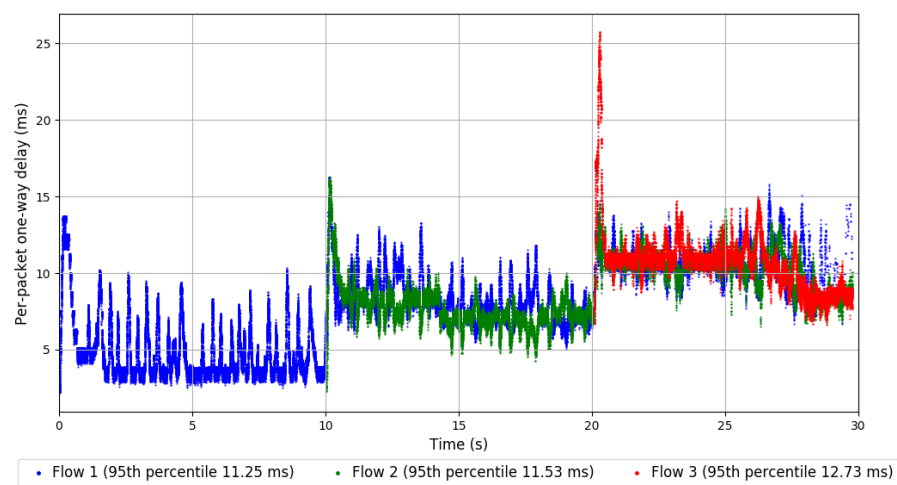
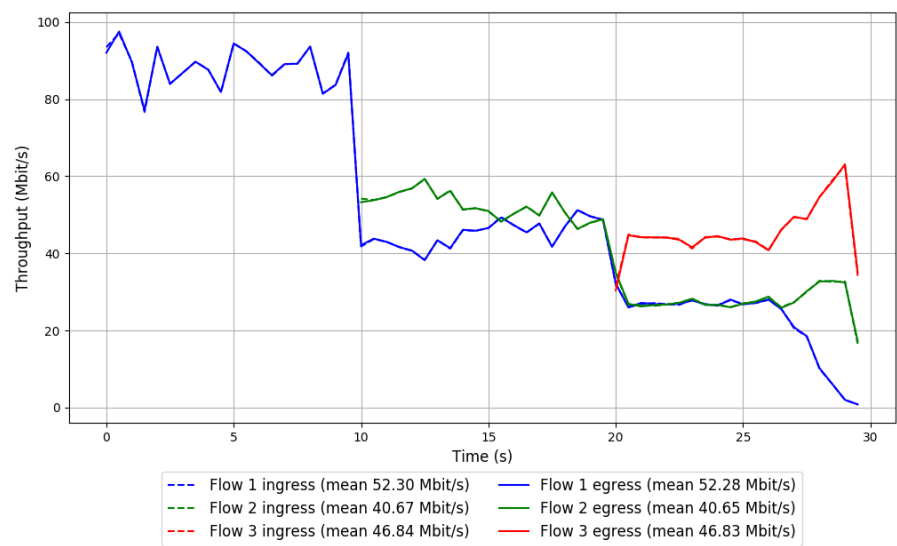


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-03 23:29:13
End at: 2018-04-03 23:29:43
Local clock offset: -5.25 ms
Remote clock offset: -8.456 ms

Below is generated by plot.py at 2018-04-04 00:41:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 11.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.28 Mbit/s
95th percentile per-packet one-way delay: 11.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 11.534 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 12.729 ms
Loss rate: 0.00%

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

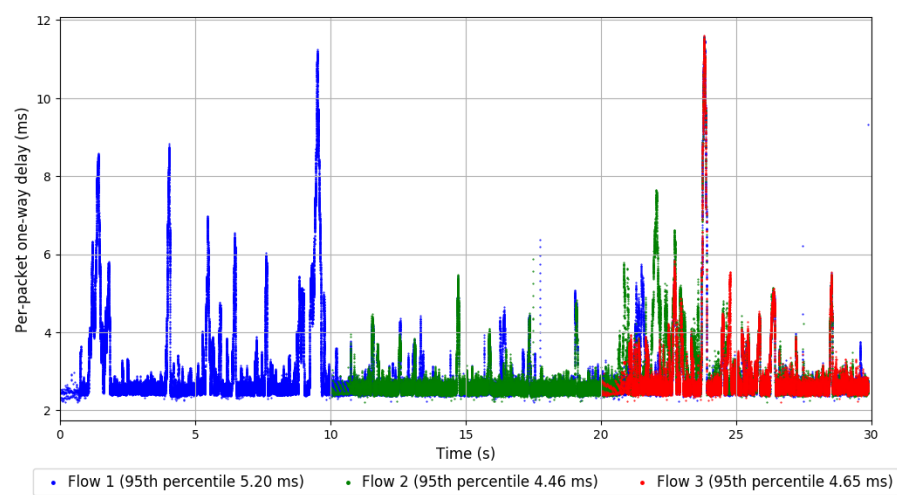
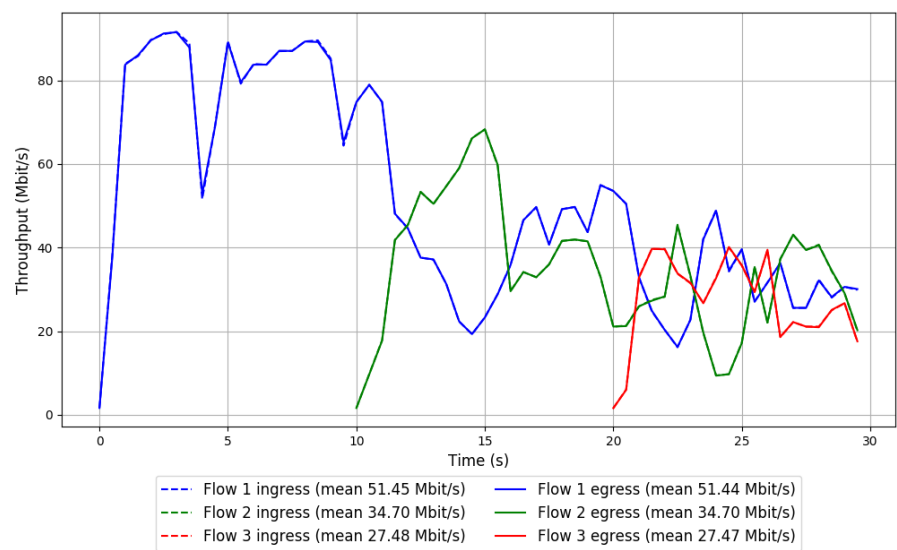


Run 1: Statistics of Vivace-latency

Start at: 2018-04-03 20:30:09
End at: 2018-04-03 20:30:39
Local clock offset: -5.732 ms
Remote clock offset: -6.859 ms

Below is generated by plot.py at 2018-04-04 00:41:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 4.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.44 Mbit/s
95th percentile per-packet one-way delay: 5.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 4.455 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 4.651 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

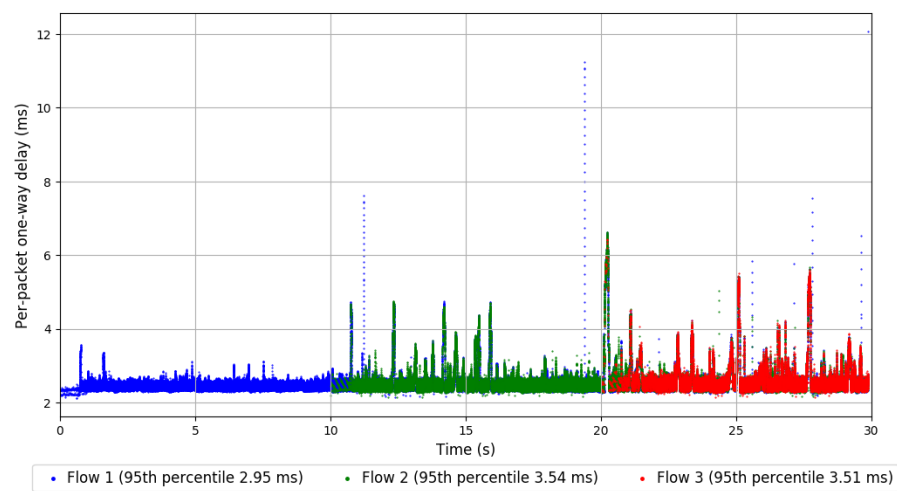
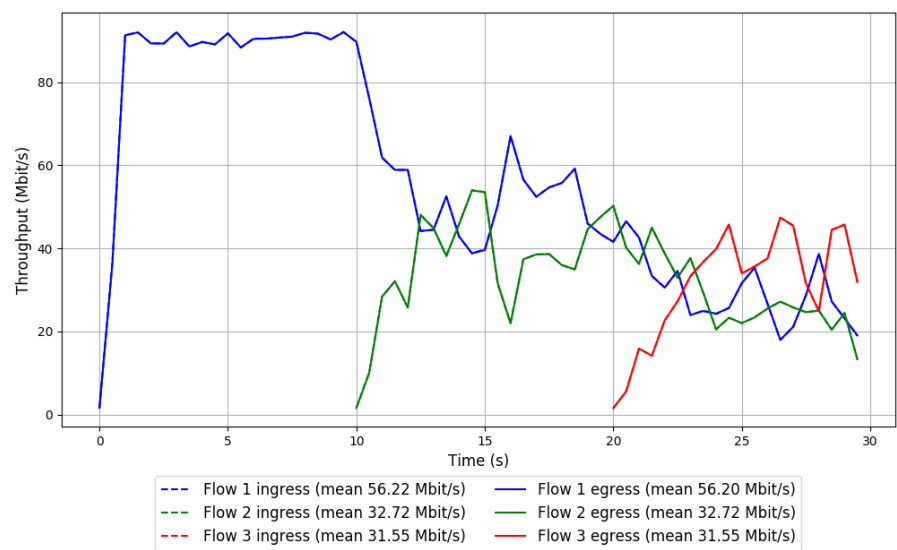


Run 2: Statistics of Vivace-latency

Start at: 2018-04-03 20:50:38
End at: 2018-04-03 20:51:08
Local clock offset: -6.453 ms
Remote clock offset: -7.018 ms

Below is generated by plot.py at 2018-04-04 00:41:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 3.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 2.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 3.538 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 3.509 ms
Loss rate: 0.01%

Run 2: Report of Vivace-latency — Data Link

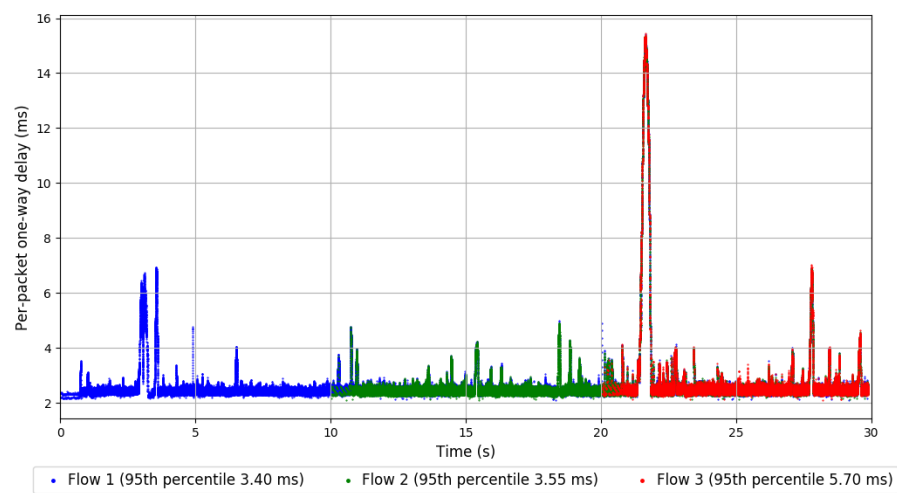
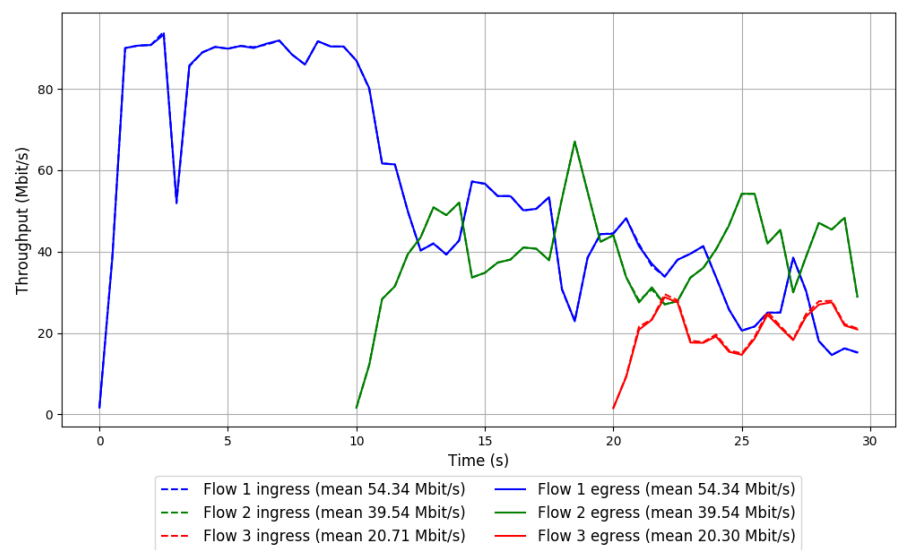


Run 3: Statistics of Vivace-latency

Start at: 2018-04-03 21:11:09
End at: 2018-04-03 21:11:39
Local clock offset: -6.756 ms
Remote clock offset: -7.149 ms

Below is generated by plot.py at 2018-04-04 00:42:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 3.554 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 3.399 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 3.548 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 5.696 ms
Loss rate: 1.98%

Run 3: Report of Vivace-latency — Data Link

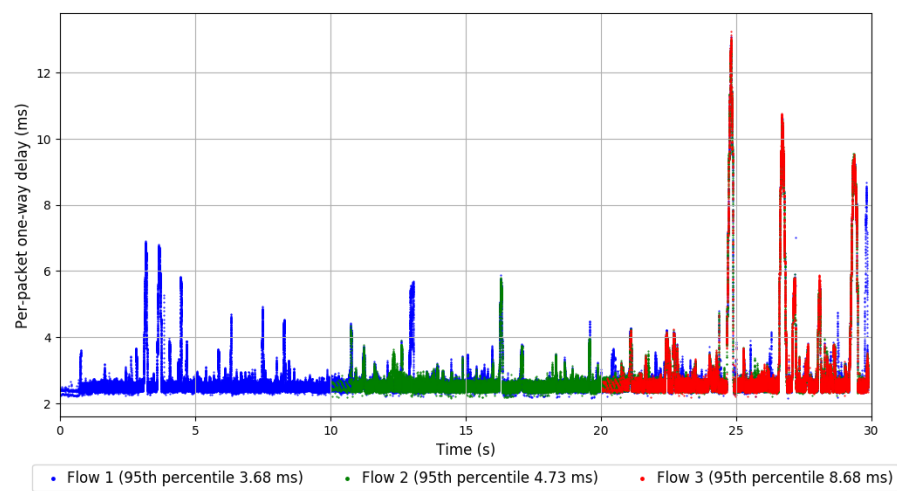
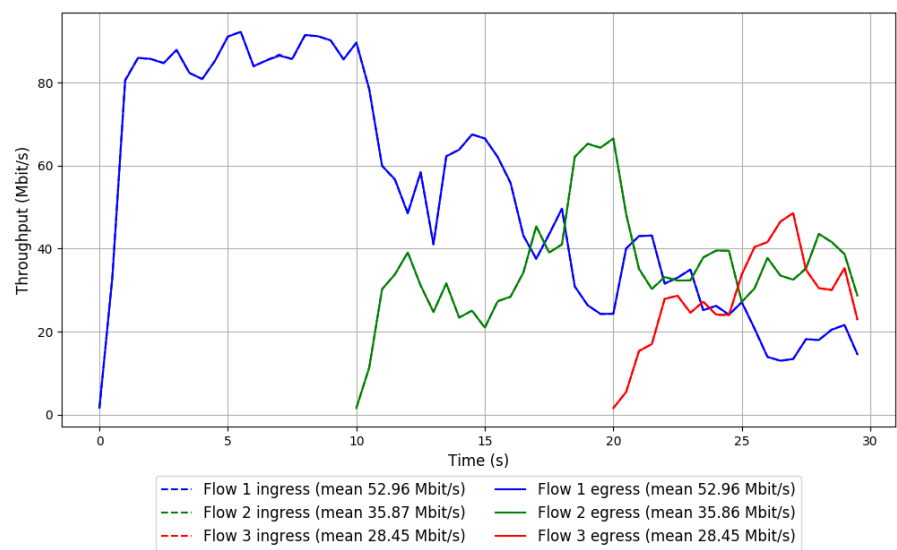


Run 4: Statistics of Vivace-latency

Start at: 2018-04-03 21:31:41
End at: 2018-04-03 21:32:11
Local clock offset: -6.315 ms
Remote clock offset: -6.484 ms

Below is generated by plot.py at 2018-04-04 00:42:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 4.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.96 Mbit/s
95th percentile per-packet one-way delay: 3.677 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 4.734 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 8.676 ms
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

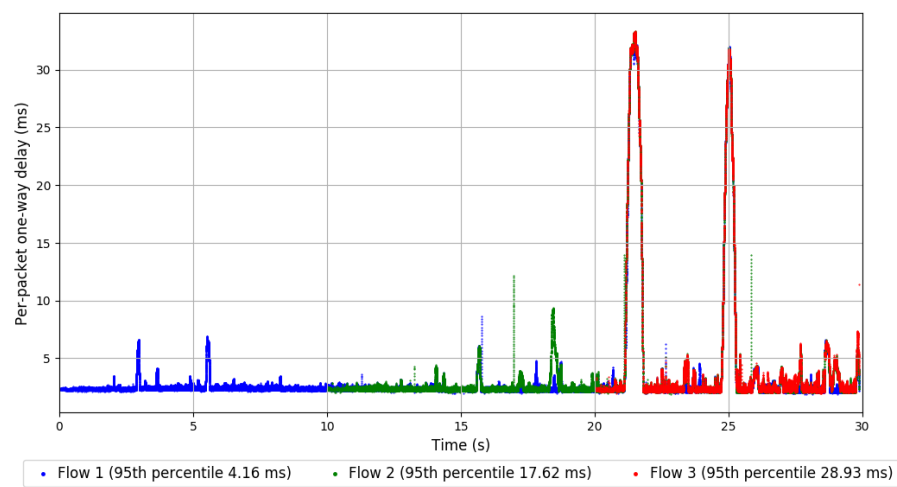
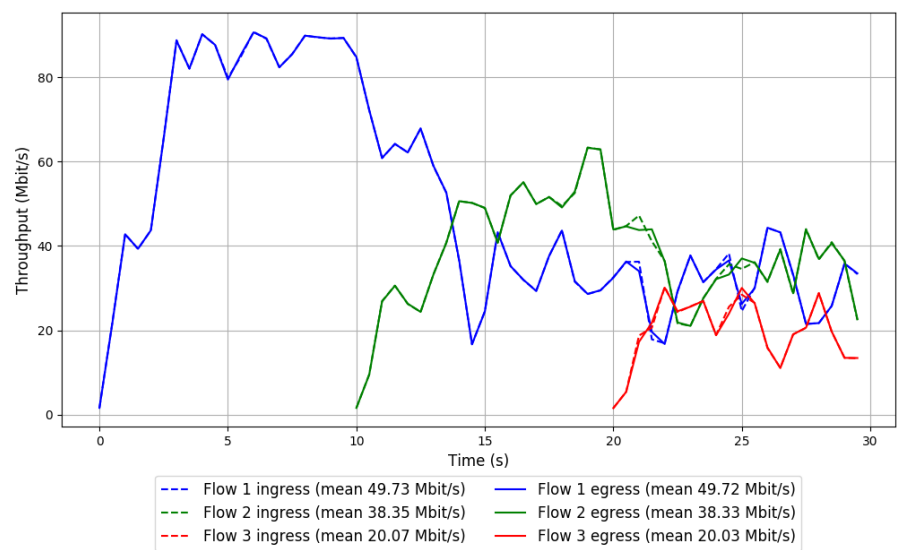


Run 5: Statistics of Vivace-latency

Start at: 2018-04-03 21:52:13
End at: 2018-04-03 21:52:43
Local clock offset: -6.357 ms
Remote clock offset: -6.293 ms

Below is generated by plot.py at 2018-04-04 00:42:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.79 Mbit/s
95th percentile per-packet one-way delay: 6.349 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 49.72 Mbit/s
95th percentile per-packet one-way delay: 4.162 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 17.618 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 28.929 ms
Loss rate: 0.08%

Run 5: Report of Vivace-latency — Data Link

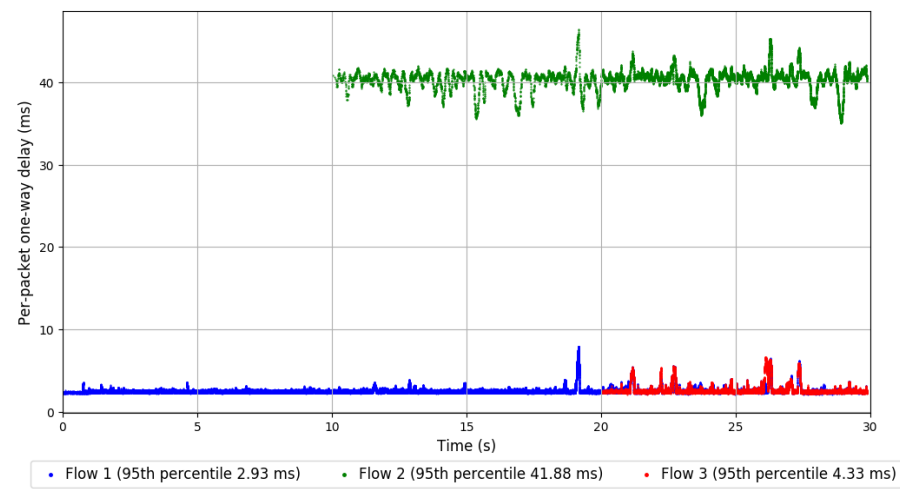
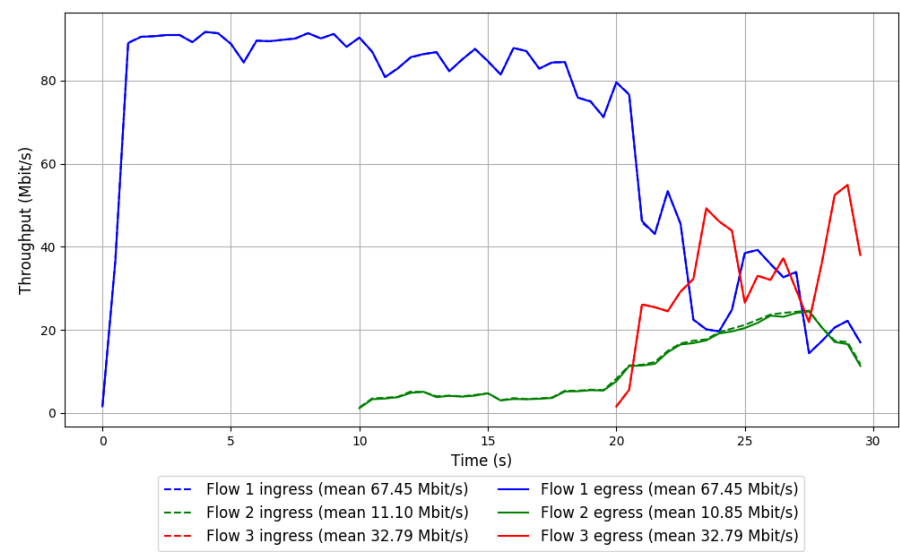


Run 6: Statistics of Vivace-latency

Start at: 2018-04-03 22:12:43
End at: 2018-04-03 22:13:13
Local clock offset: -6.452 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2018-04-04 00:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.47 Mbit/s
95th percentile per-packet one-way delay: 40.448 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 67.45 Mbit/s
95th percentile per-packet one-way delay: 2.926 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 41.885 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 4.325 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

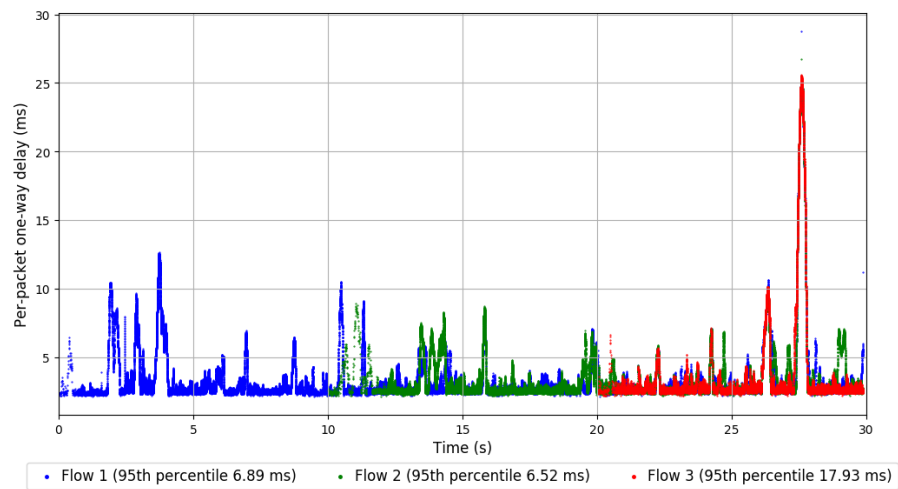
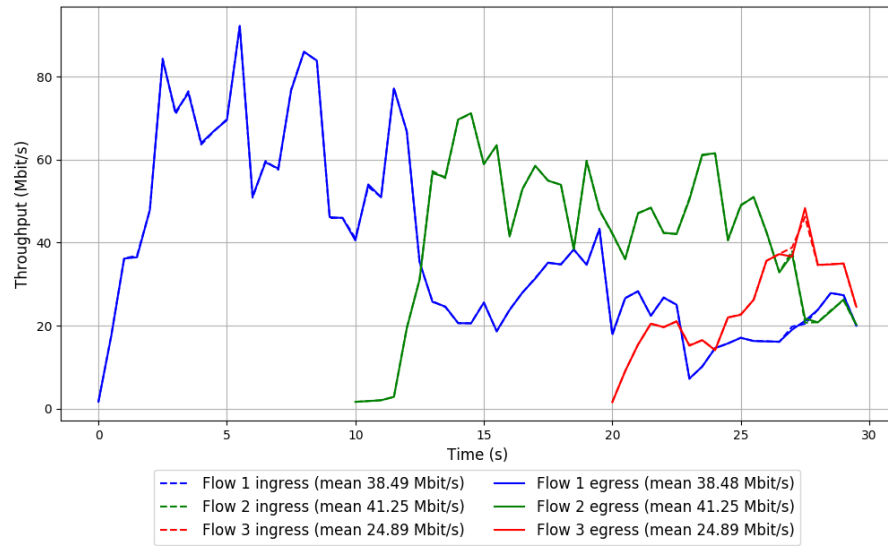


Run 7: Statistics of Vivace-latency

Start at: 2018-04-03 22:33:14
End at: 2018-04-03 22:33:44
Local clock offset: -5.945 ms
Remote clock offset: -1.134 ms

Below is generated by plot.py at 2018-04-04 00:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.10 Mbit/s
95th percentile per-packet one-way delay: 7.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 6.888 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 6.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 17.927 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

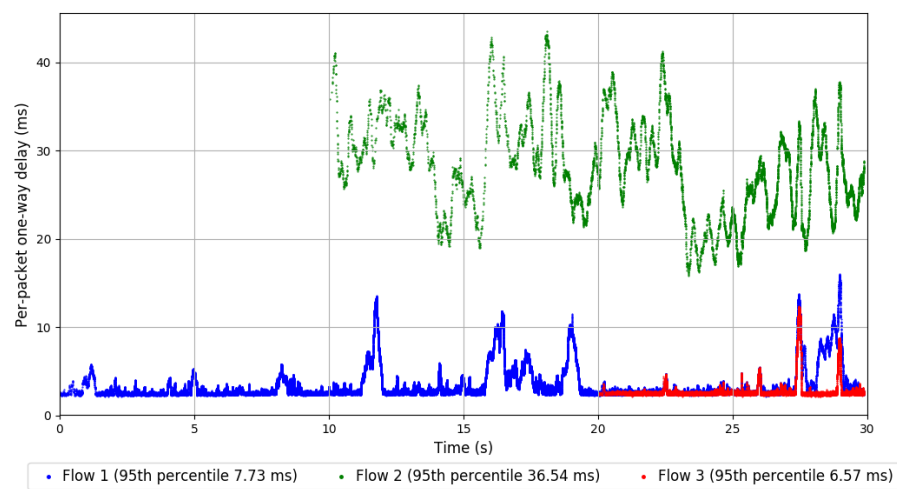
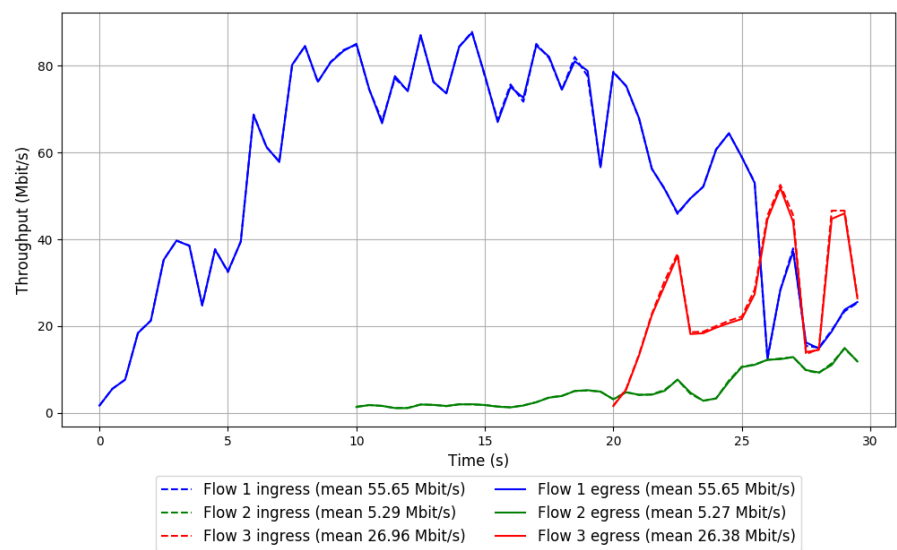


Run 8: Statistics of Vivace-latency

Start at: 2018-04-03 22:53:44
End at: 2018-04-03 22:54:14
Local clock offset: -5.639 ms
Remote clock offset: -1.179 ms

Below is generated by plot.py at 2018-04-04 00:42:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 21.735 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 7.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 36.544 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 6.567 ms
Loss rate: 2.16%

Run 8: Report of Vivace-latency — Data Link

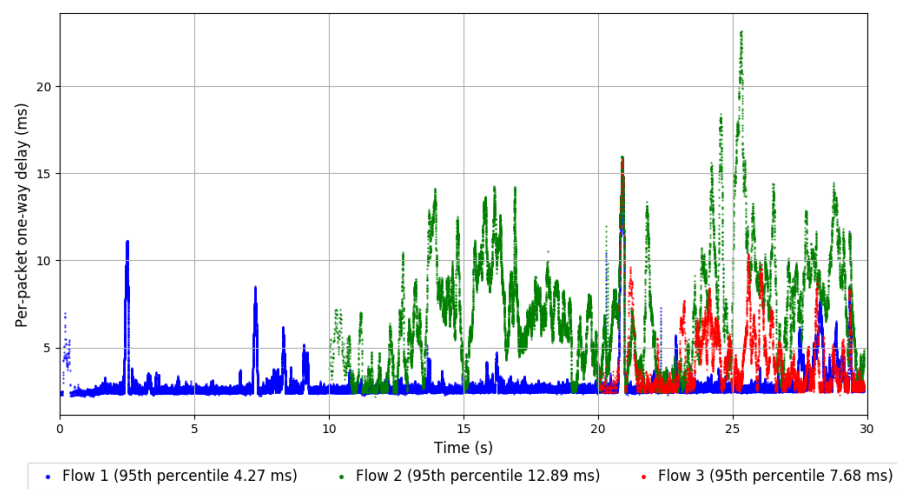
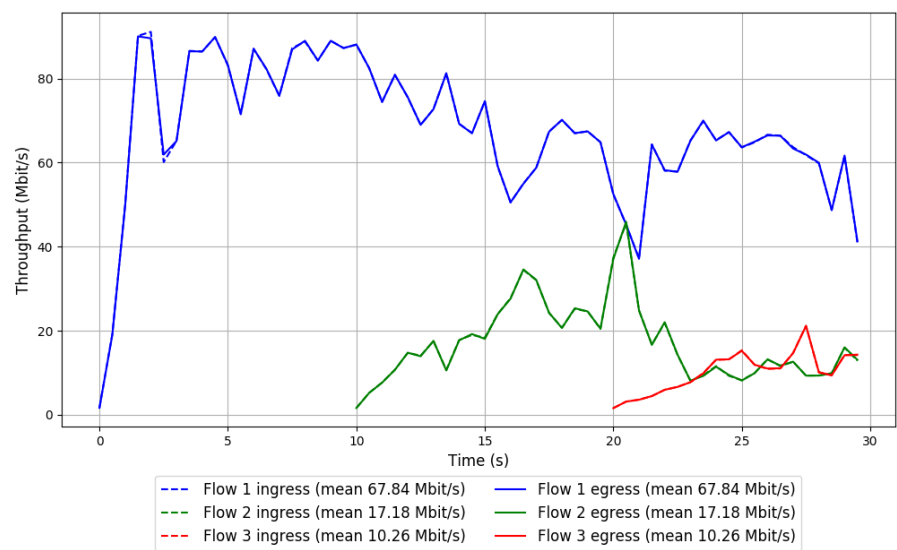


Run 9: Statistics of Vivace-latency

Start at: 2018-04-03 23:14:15
End at: 2018-04-03 23:14:45
Local clock offset: -5.341 ms
Remote clock offset: -6.319 ms

Below is generated by plot.py at 2018-04-04 00:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 8.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 4.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 12.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 7.682 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

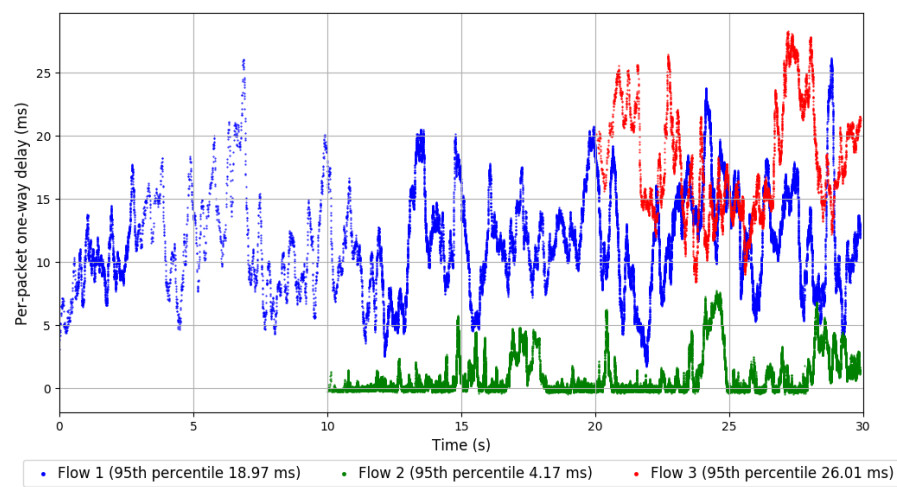
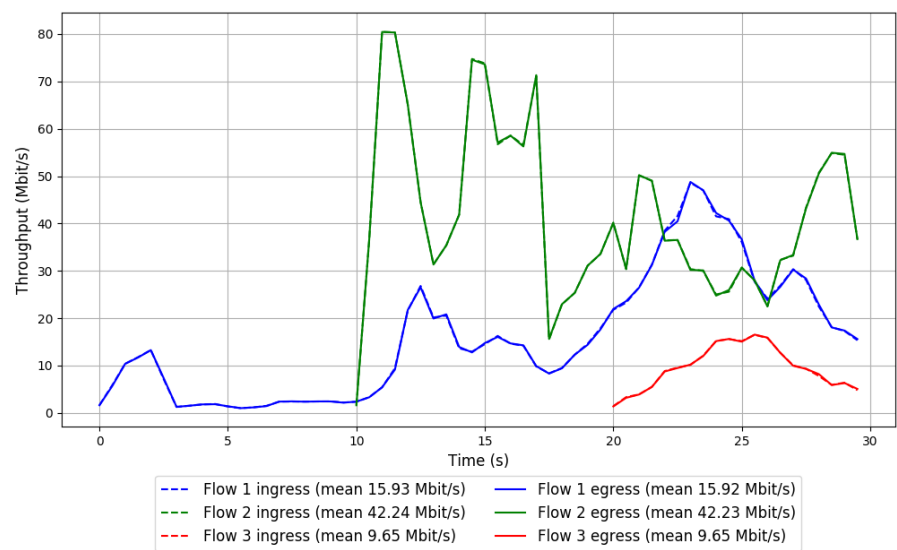


Run 10: Statistics of Vivace-latency

Start at: 2018-04-03 23:34:51
End at: 2018-04-03 23:35:21
Local clock offset: -3.284 ms
Remote clock offset: -8.908 ms

Below is generated by plot.py at 2018-04-04 00:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 17.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 4.168 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 26.012 ms
Loss rate: 0.01%

Run 10: Report of Vivace-latency — Data Link

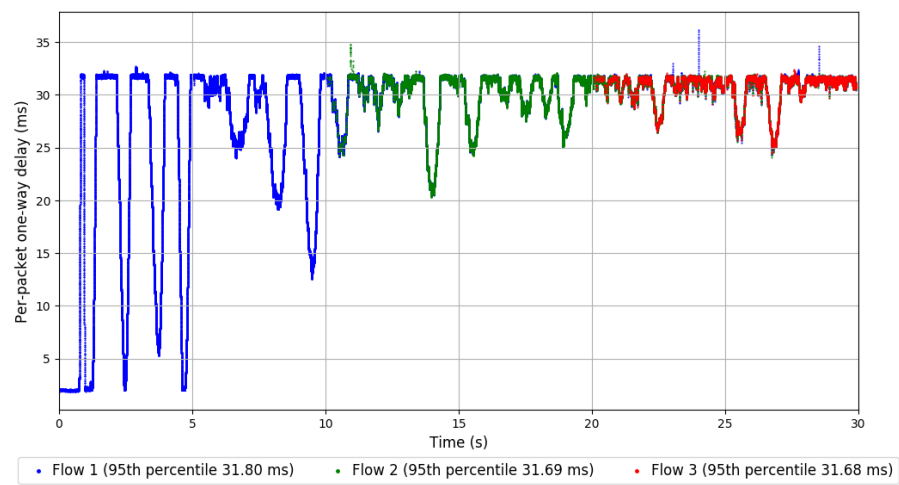
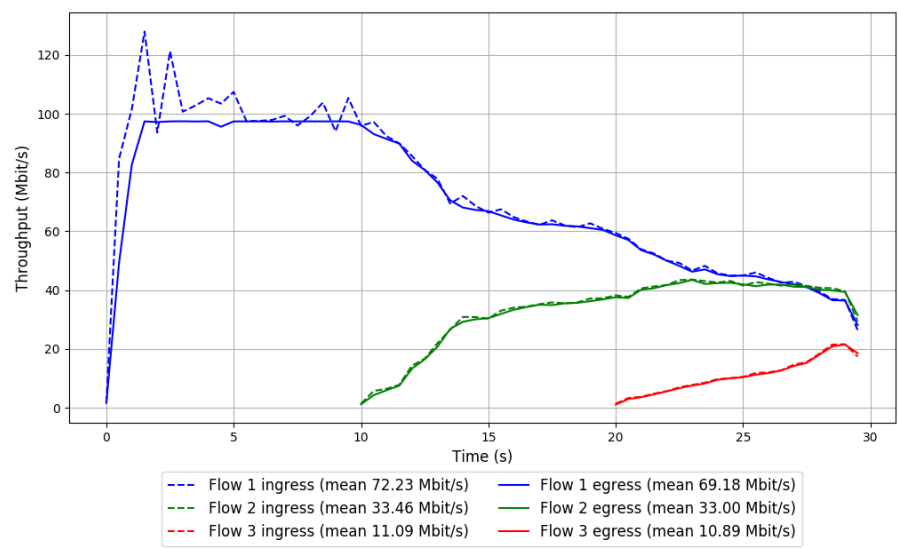


```
Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 20:41:36
End at: 2018-04-03 20:42:06
Local clock offset: -6.041 ms
Remote clock offset: -7.239 ms

# Below is generated by plot.py at 2018-04-04 00:44:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 31.779 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 69.18 Mbit/s
95th percentile per-packet one-way delay: 31.796 ms
Loss rate: 4.13%
-- Flow 2:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 31.694 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 31.681 ms
Loss rate: 1.77%
```

Run 1: Report of Vivace-loss — Data Link

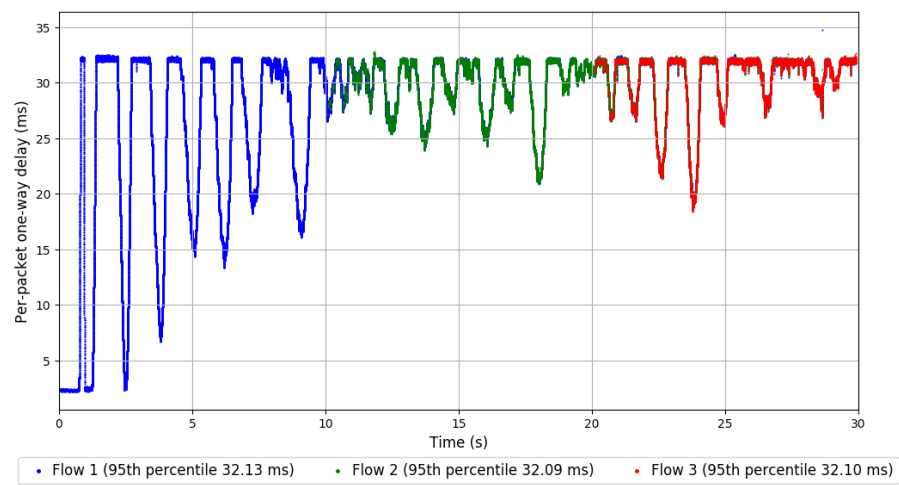
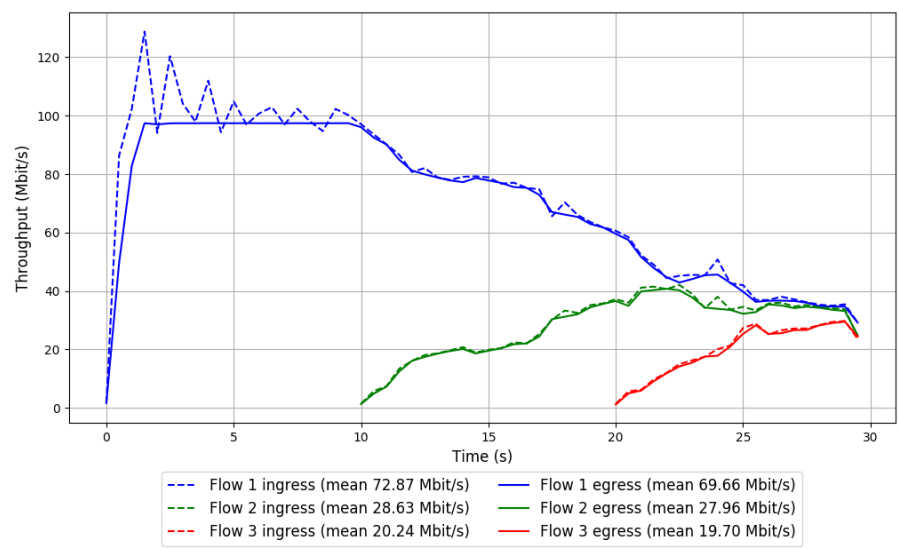


Run 2: Statistics of Vivace-loss

Start at: 2018-04-03 21:02:08
End at: 2018-04-03 21:02:38
Local clock offset: -6.743 ms
Remote clock offset: -7.138 ms

Below is generated by plot.py at 2018-04-04 00:44:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 32.123 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 69.66 Mbit/s
95th percentile per-packet one-way delay: 32.131 ms
Loss rate: 4.31%
-- Flow 2:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 32.091 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 32.097 ms
Loss rate: 2.63%

Run 2: Report of Vivace-loss — Data Link

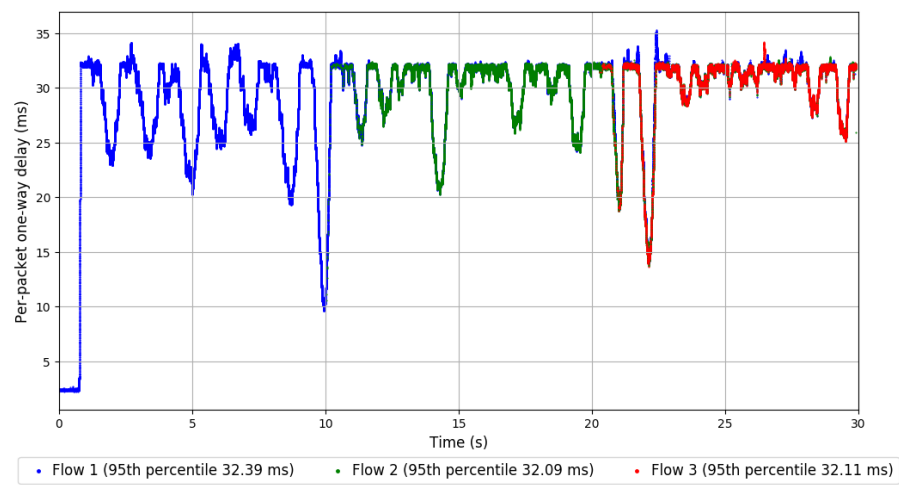
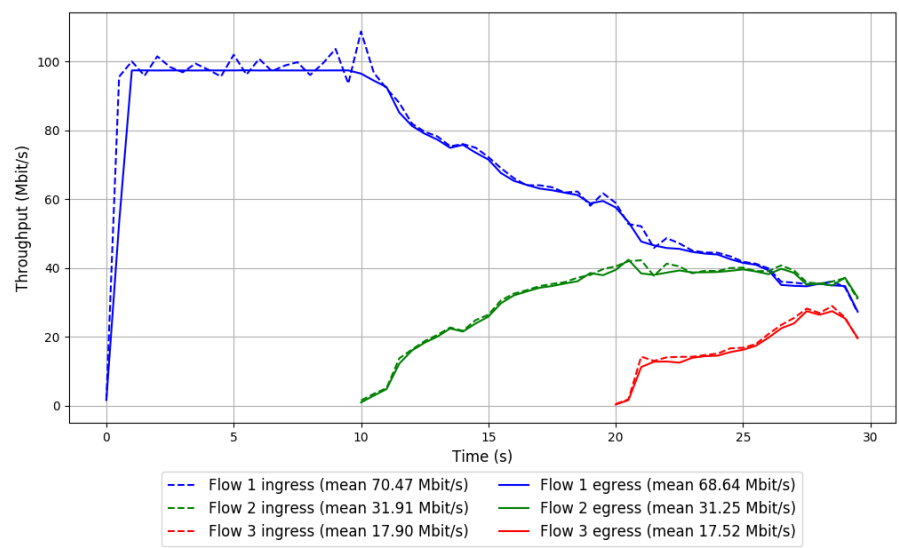


Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 21:22:40
End at: 2018-04-03 21:23:10
Local clock offset: -6.438 ms
Remote clock offset: -6.791 ms

Below is generated by plot.py at 2018-04-04 00:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.243 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 68.64 Mbit/s
95th percentile per-packet one-way delay: 32.388 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 32.089 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 32.108 ms
Loss rate: 4.65%

Run 3: Report of Vivace-loss — Data Link

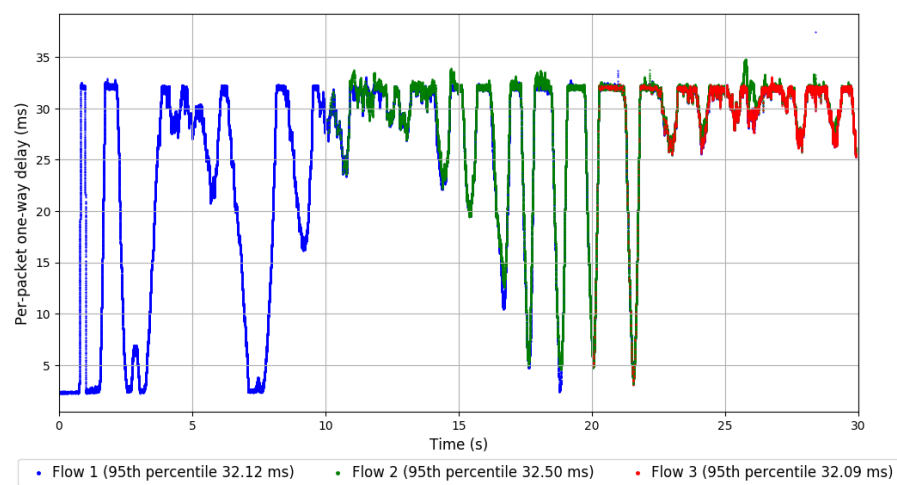
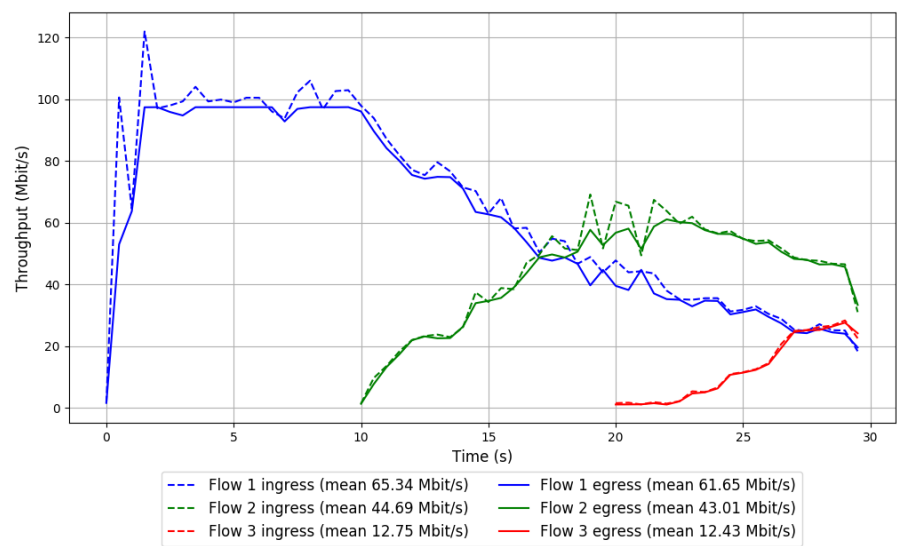


Run 4: Statistics of Vivace-loss

Start at: 2018-04-03 21:43:11
End at: 2018-04-03 21:43:41
Local clock offset: -6.25 ms
Remote clock offset: -6.325 ms

Below is generated by plot.py at 2018-04-04 00:44:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 32.176 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 32.122 ms
Loss rate: 5.58%
-- Flow 2:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 32.500 ms
Loss rate: 3.77%
-- Flow 3:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 32.093 ms
Loss rate: 2.31%

Run 4: Report of Vivace-loss — Data Link

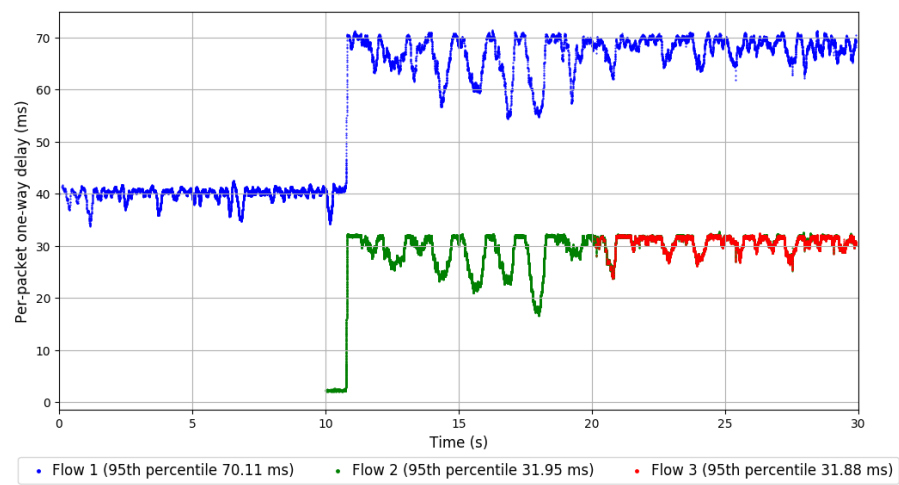
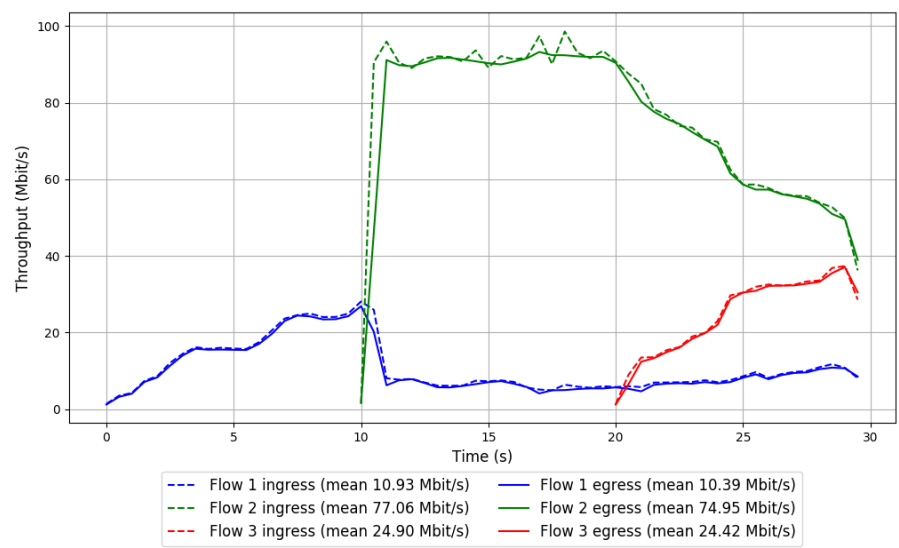


Run 5: Statistics of Vivace-loss

Start at: 2018-04-03 22:03:42
End at: 2018-04-03 22:04:12
Local clock offset: -6.42 ms
Remote clock offset: -2.645 ms

Below is generated by plot.py at 2018-04-04 00:44:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 66.128 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 70.113 ms
Loss rate: 4.97%
-- Flow 2:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 31.948 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 31.881 ms
Loss rate: 1.91%

Run 5: Report of Vivace-loss — Data Link

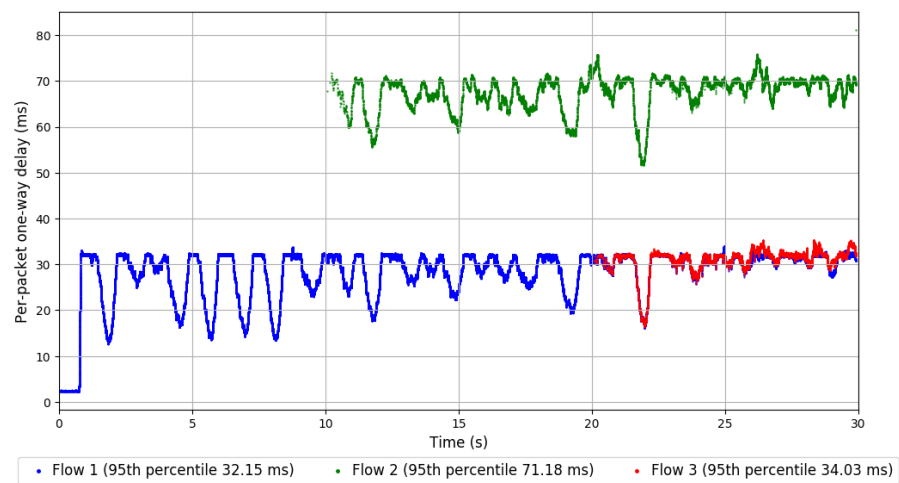
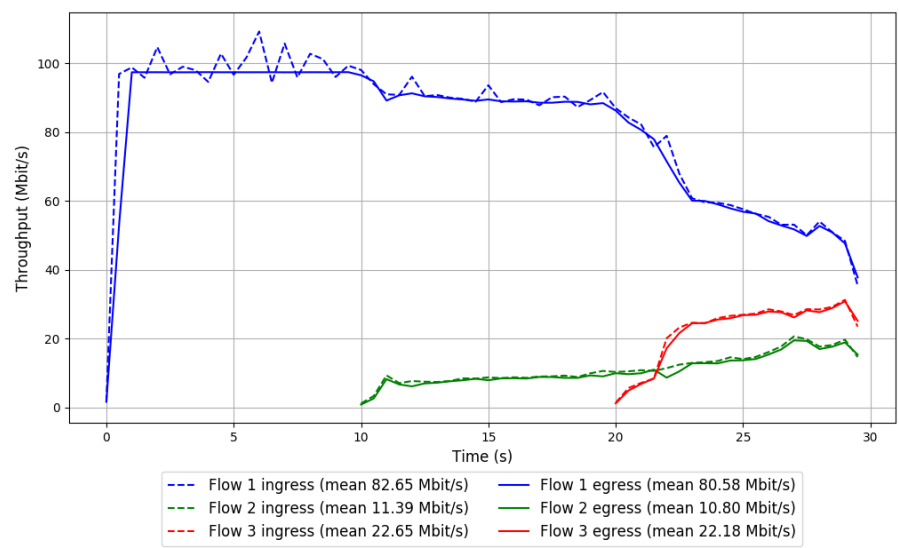


Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 22:24:13
End at: 2018-04-03 22:24:43
Local clock offset: -6.252 ms
Remote clock offset: -0.389 ms

Below is generated by plot.py at 2018-04-04 00:44:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 67.730 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 32.146 ms
Loss rate: 2.41%
-- Flow 2:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 71.176 ms
Loss rate: 5.37%
-- Flow 3:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 34.028 ms
Loss rate: 2.07%

Run 6: Report of Vivace-loss — Data Link

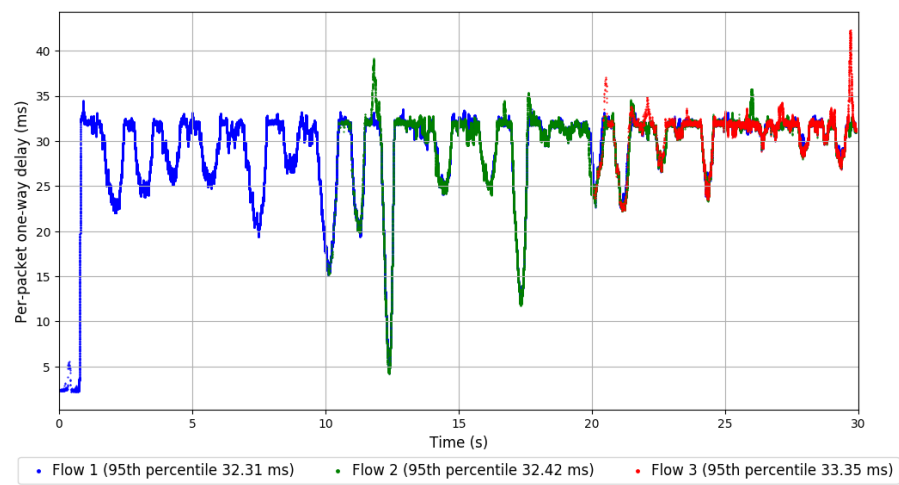
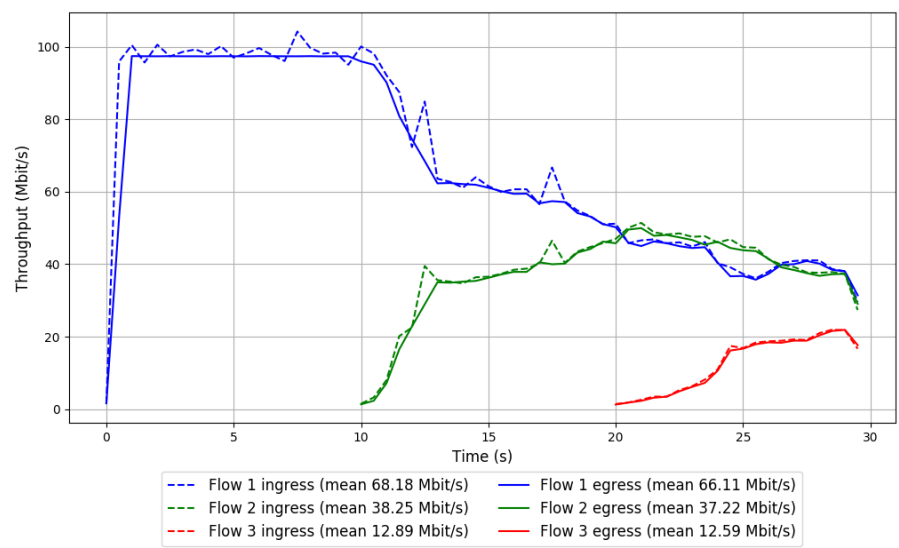


Run 7: Statistics of Vivace-loss

Start at: 2018-04-03 22:44:43
End at: 2018-04-03 22:45:13
Local clock offset: -5.77 ms
Remote clock offset: -1.341 ms

Below is generated by plot.py at 2018-04-04 00:44:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 32.359 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 32.306 ms
Loss rate: 2.95%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 32.422 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 33.354 ms
Loss rate: 2.27%

Run 7: Report of Vivace-loss — Data Link

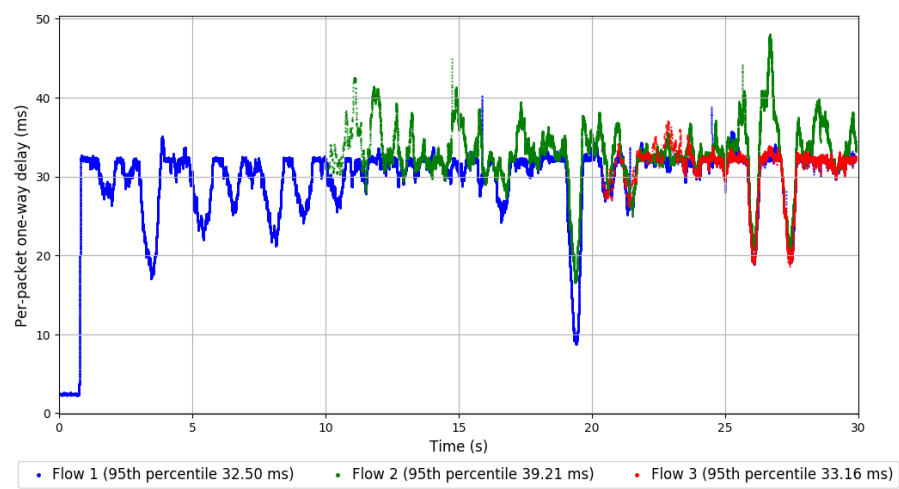
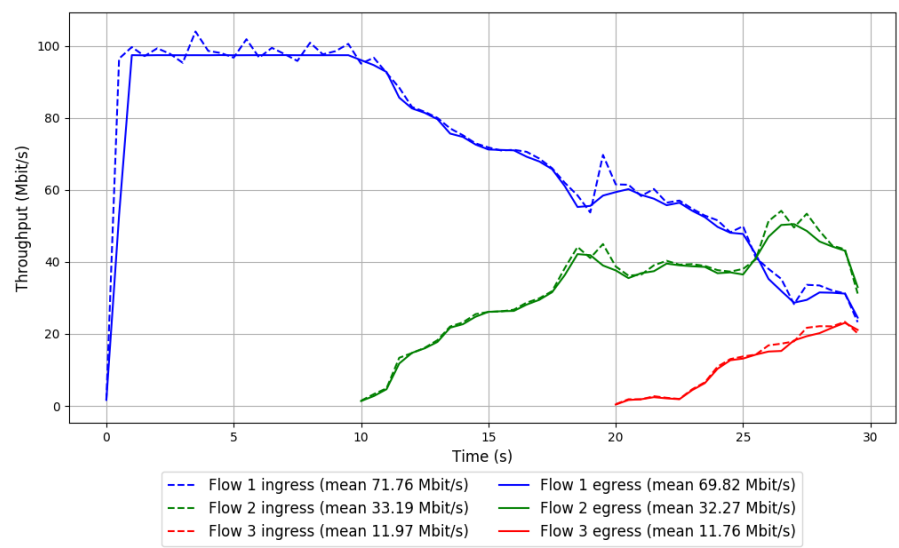


Run 8: Statistics of Vivace-loss

Start at: 2018-04-03 23:05:13
End at: 2018-04-03 23:05:43
Local clock offset: -5.458 ms
Remote clock offset: -3.625 ms

Below is generated by plot.py at 2018-04-04 00:44:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 35.352 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 32.503 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 39.210 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 33.165 ms
Loss rate: 4.32%

Run 8: Report of Vivace-loss — Data Link

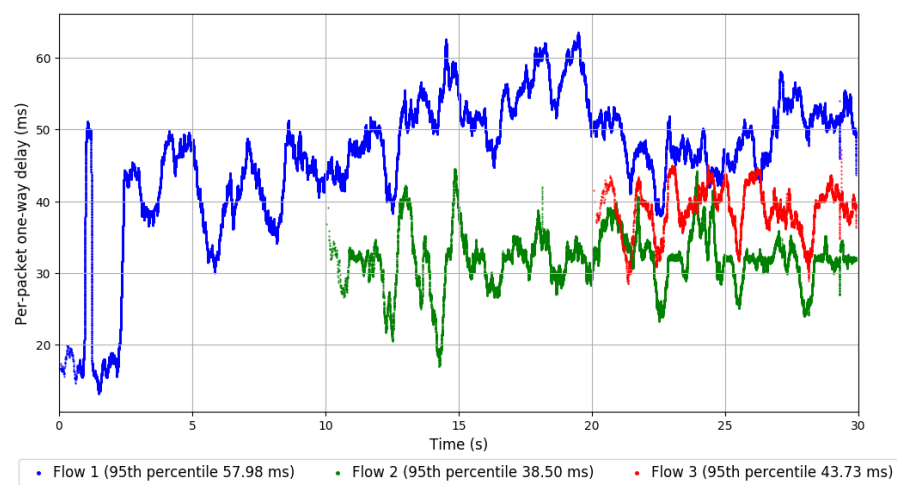
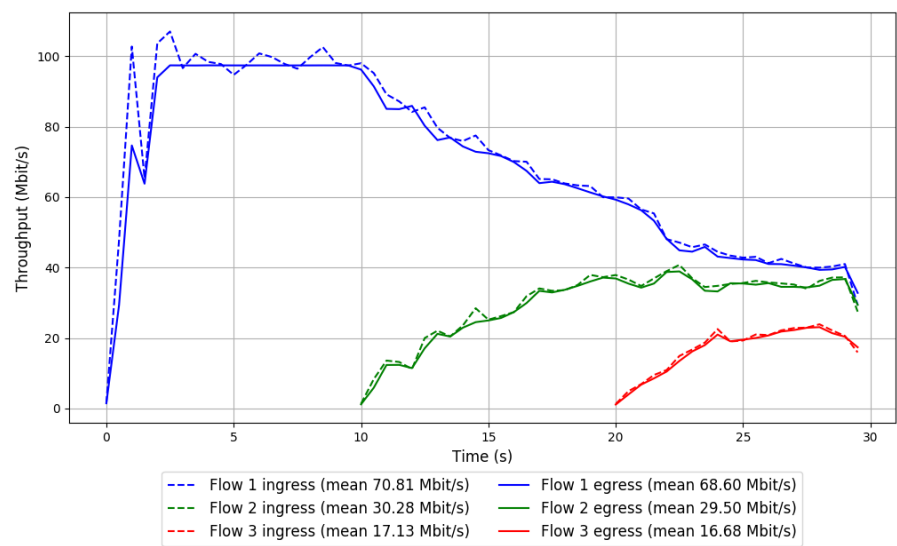


Run 9: Statistics of Vivace-loss

Start at: 2018-04-03 23:25:47
End at: 2018-04-03 23:26:17
Local clock offset: -5.24 ms
Remote clock offset: -8.092 ms

Below is generated by plot.py at 2018-04-04 00:45:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 56.628 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: 57.977 ms
Loss rate: 3.05%
-- Flow 2:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 38.498 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 43.729 ms
Loss rate: 2.66%

Run 9: Report of Vivace-loss — Data Link

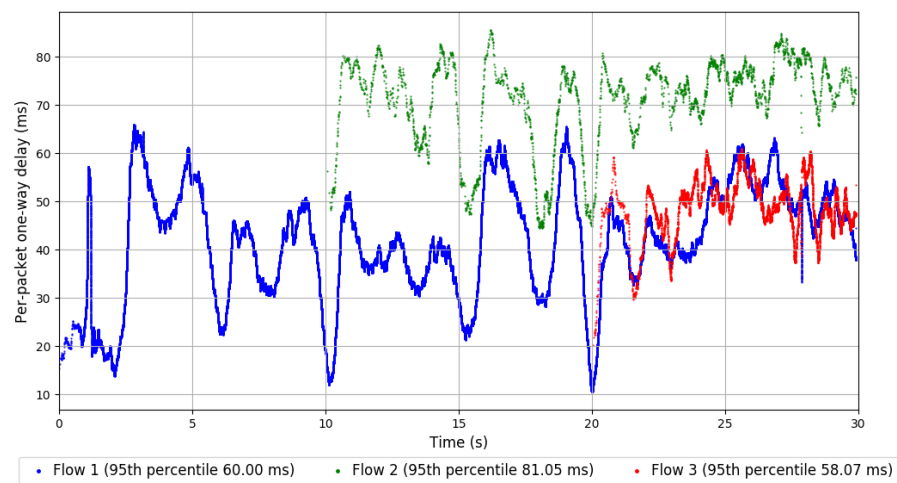
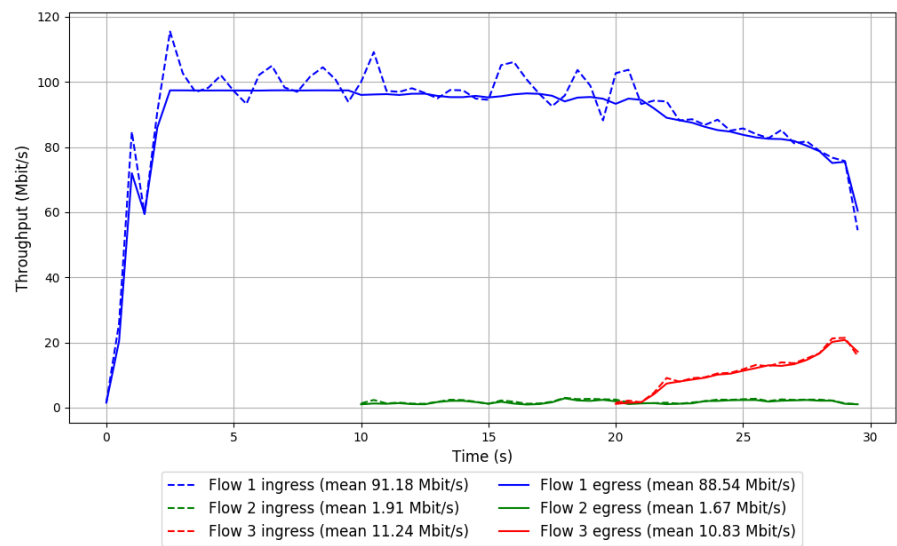


Run 10: Statistics of Vivace-loss

Start at: 2018-04-03 23:46:22
End at: 2018-04-03 23:46:52
Local clock offset: -6.083 ms
Remote clock offset: -7.275 ms

Below is generated by plot.py at 2018-04-04 00:45:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 60.418 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 60.002 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 81.052 ms
Loss rate: 12.89%
-- Flow 3:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 58.073 ms
Loss rate: 3.49%

Run 10: Report of Vivace-loss — Data Link

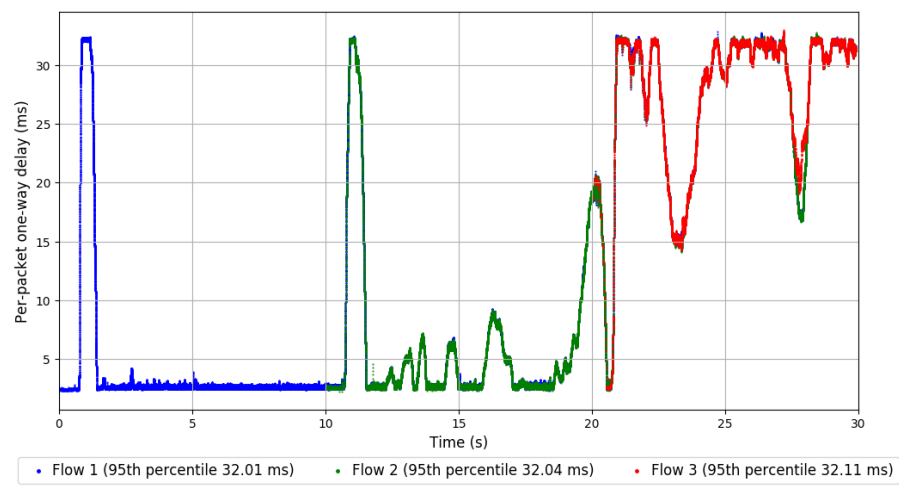
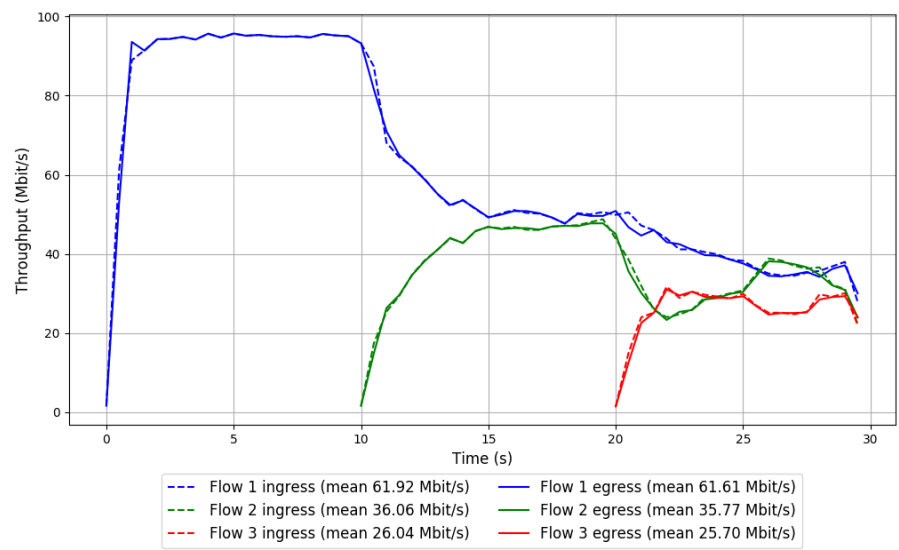


Run 1: Statistics of Vivace-LTE

Start at: 2018-04-03 20:33:35
End at: 2018-04-03 20:34:05
Local clock offset: -5.702 ms
Remote clock offset: -6.867 ms

Below is generated by plot.py at 2018-04-04 00:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 32.041 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 32.008 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 32.036 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 25.70 Mbit/s
95th percentile per-packet one-way delay: 32.114 ms
Loss rate: 1.18%

Run 1: Report of Vivace-LTE — Data Link

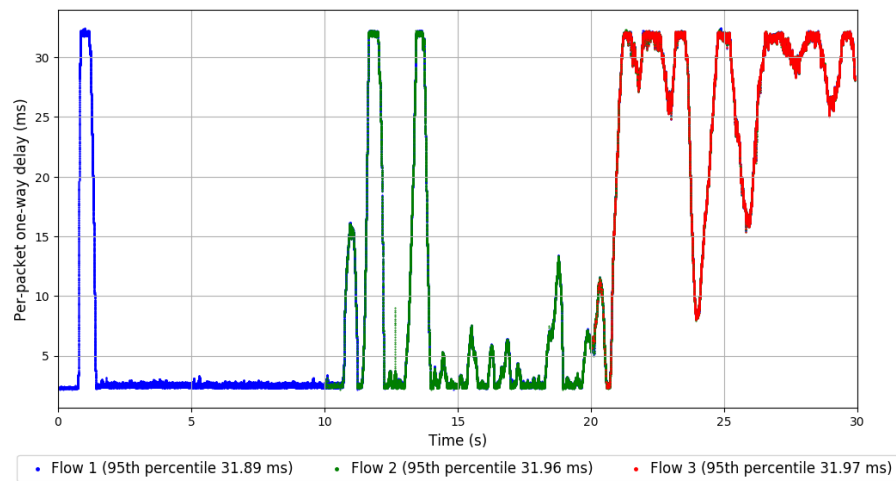
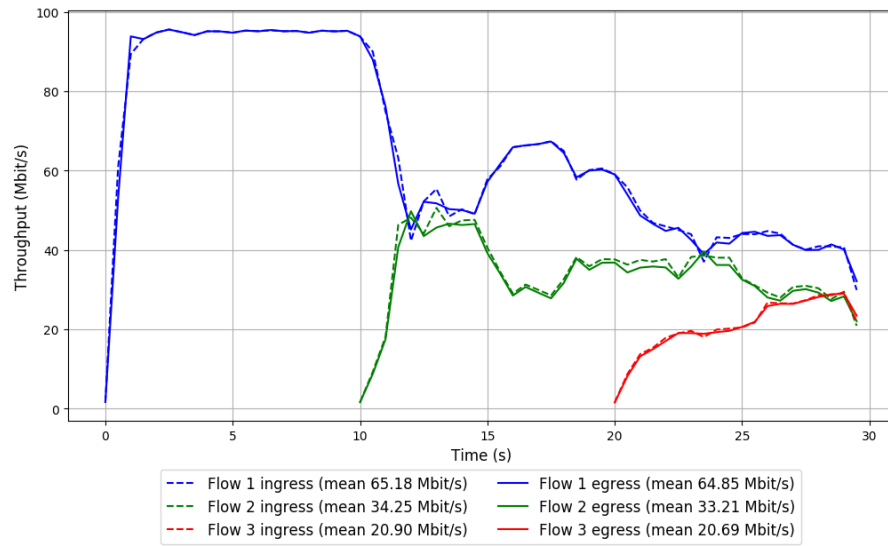


Run 2: Statistics of Vivace-LTE

Start at: 2018-04-03 20:54:04
End at: 2018-04-03 20:54:34
Local clock offset: -6.545 ms
Remote clock offset: -7.059 ms

Below is generated by plot.py at 2018-04-04 00:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 31.923 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 31.887 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 31.957 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 31.967 ms
Loss rate: 0.74%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-04-03 21:14:35

End at: 2018-04-03 21:15:05

Local clock offset: -6.614 ms

Remote clock offset: -7.1 ms

Below is generated by plot.py at 2018-04-04 00:45:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.95 Mbit/s

95th percentile per-packet one-way delay: 31.958 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 59.59 Mbit/s

95th percentile per-packet one-way delay: 31.911 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 31.950 ms

Loss rate: 0.47%

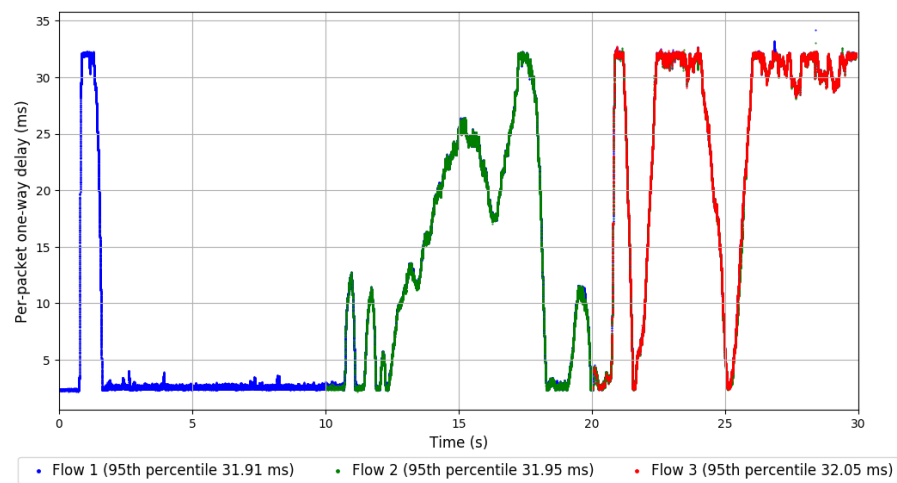
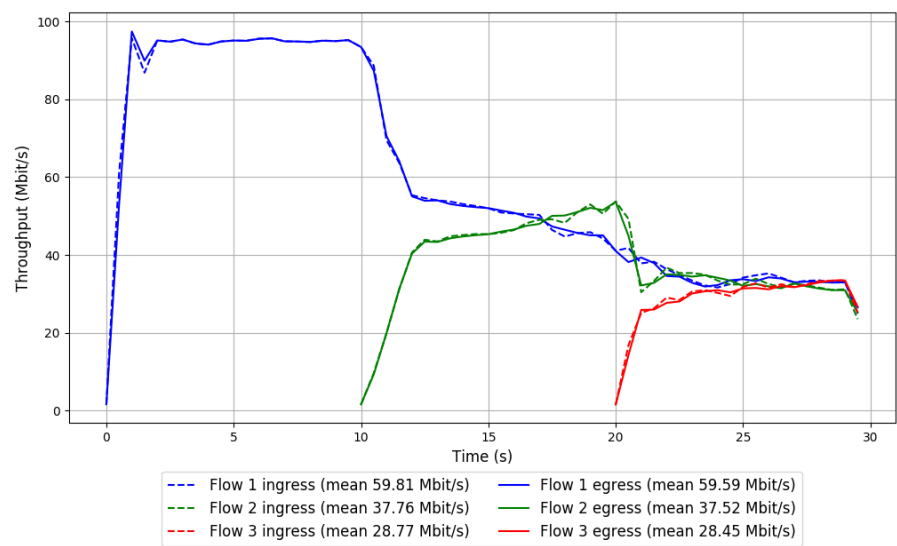
-- Flow 3:

Average throughput: 28.45 Mbit/s

95th percentile per-packet one-way delay: 32.054 ms

Loss rate: 0.82%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-04-03 21:35:07

End at: 2018-04-03 21:35:37

Local clock offset: -6.256 ms

Remote clock offset: -6.44 ms

Below is generated by plot.py at 2018-04-04 00:45:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.98 Mbit/s

95th percentile per-packet one-way delay: 31.965 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 60.85 Mbit/s

95th percentile per-packet one-way delay: 31.928 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 39.29 Mbit/s

95th percentile per-packet one-way delay: 31.978 ms

Loss rate: 0.78%

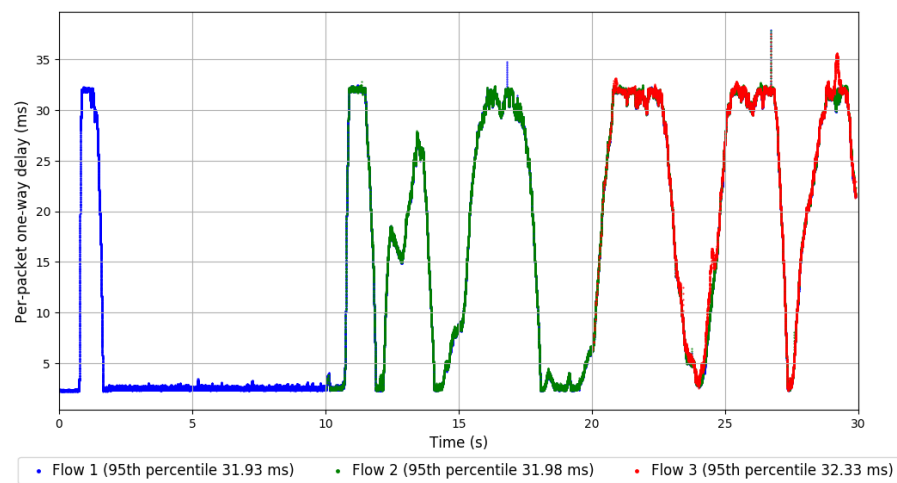
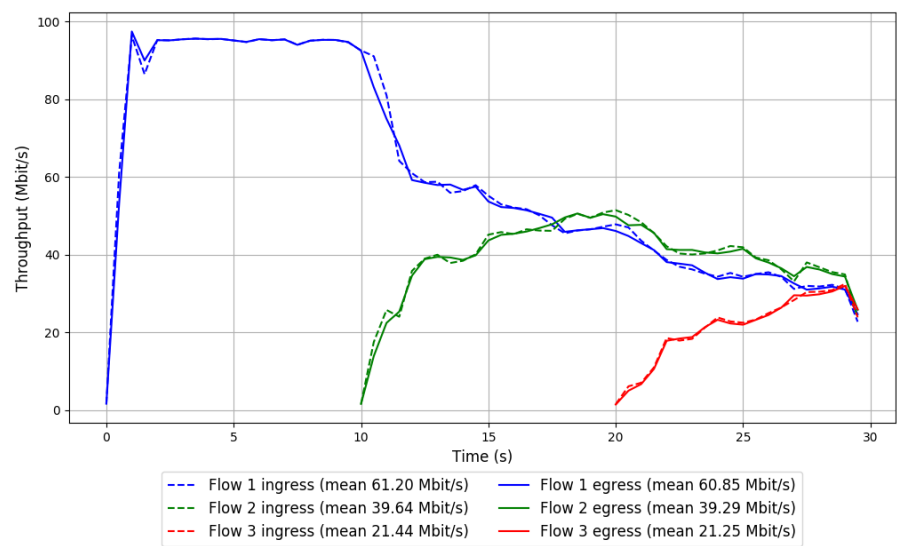
-- Flow 3:

Average throughput: 21.25 Mbit/s

95th percentile per-packet one-way delay: 32.333 ms

Loss rate: 0.71%

Run 4: Report of Vivace-LTE — Data Link

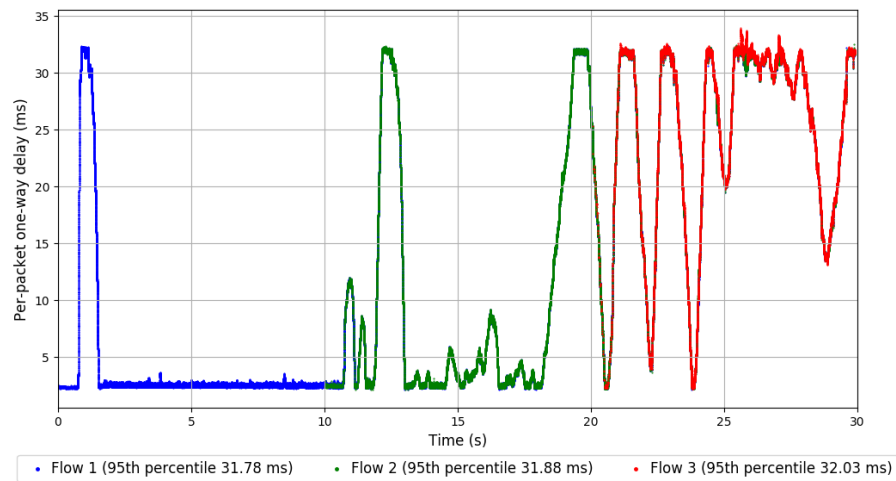
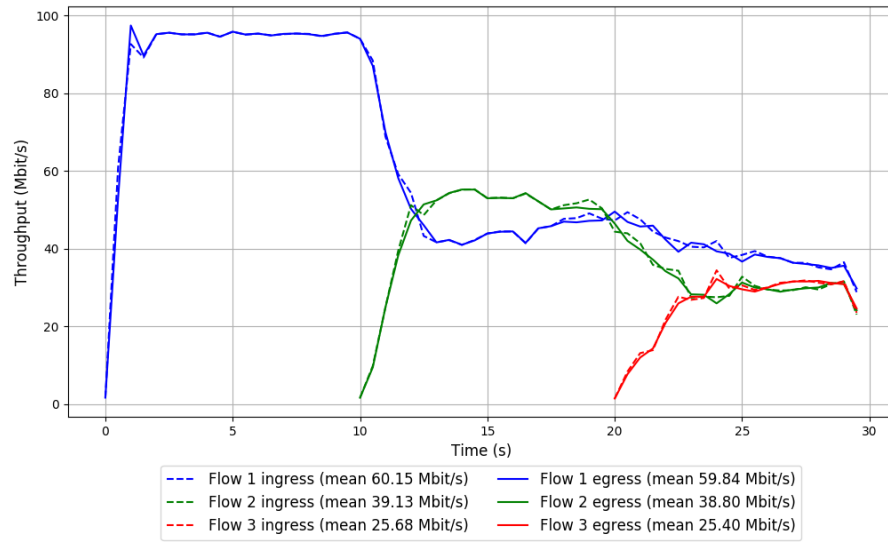


Run 5: Statistics of Vivace-LTE

Start at: 2018-04-03 21:55:39
End at: 2018-04-03 21:56:09
Local clock offset: -6.459 ms
Remote clock offset: -4.748 ms

Below is generated by plot.py at 2018-04-04 00:46:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 31.850 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 31.784 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 31.877 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 32.027 ms
Loss rate: 1.02%

Run 5: Report of Vivace-LTE — Data Link

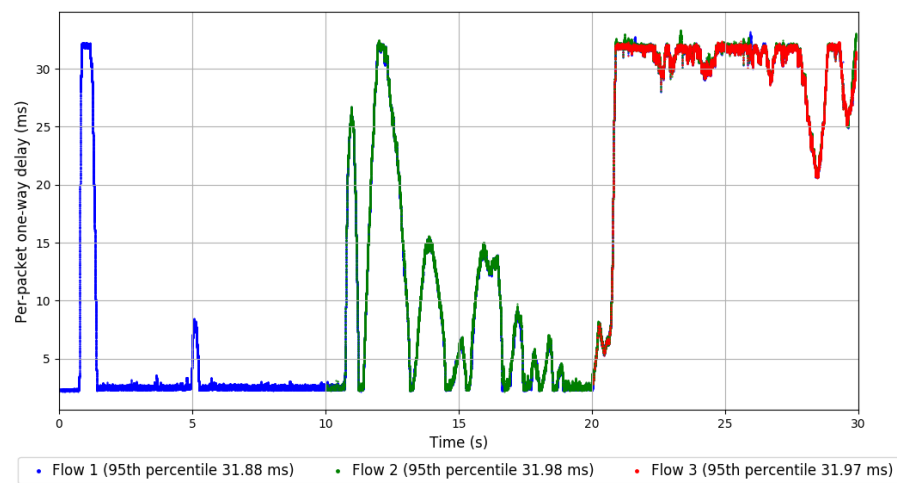
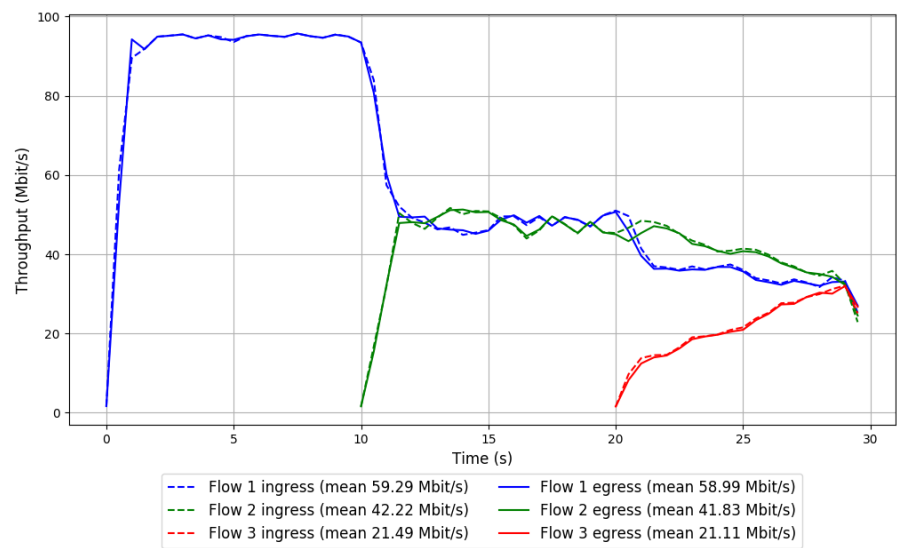


Run 6: Statistics of Vivace-LTE

Start at: 2018-04-03 22:16:08
End at: 2018-04-03 22:16:38
Local clock offset: -6.52 ms
Remote clock offset: -1.116 ms

Below is generated by plot.py at 2018-04-04 00:46:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.79 Mbit/s
95th percentile per-packet one-way delay: 31.929 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 31.877 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 31.979 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 31.974 ms
Loss rate: 1.44%

Run 6: Report of Vivace-LTE — Data Link

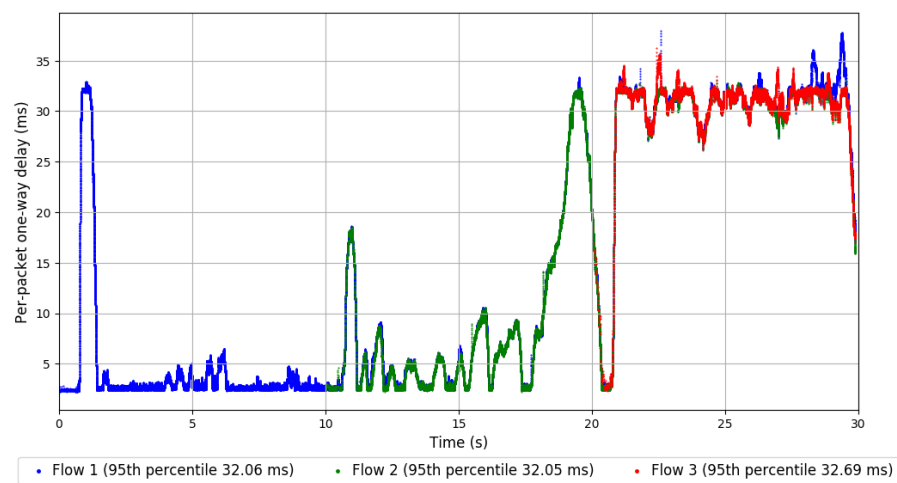
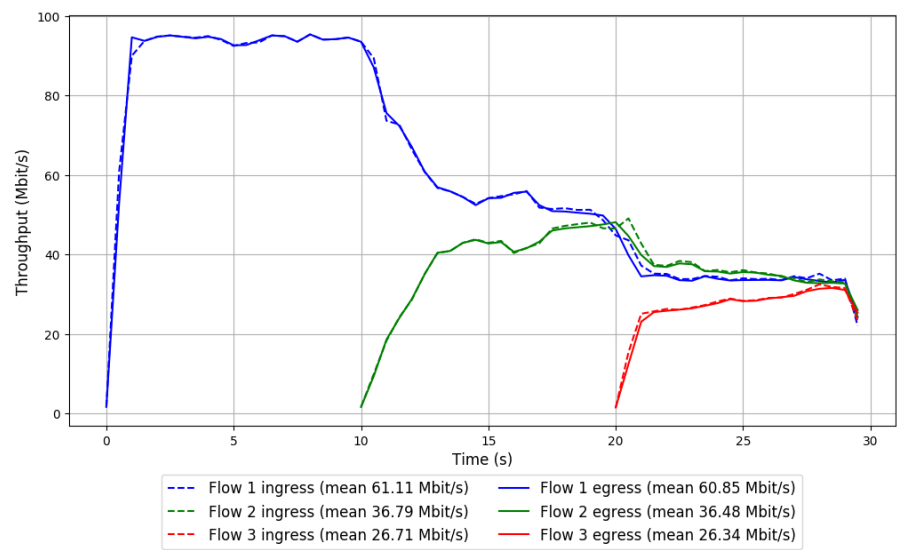


Run 7: Statistics of Vivace-LTE

Start at: 2018-04-03 22:36:40
End at: 2018-04-03 22:37:10
Local clock offset: -5.955 ms
Remote clock offset: -1.302 ms

Below is generated by plot.py at 2018-04-04 00:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 32.097 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 32.061 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 32.049 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 32.692 ms
Loss rate: 1.42%

Run 7: Report of Vivace-LTE — Data Link

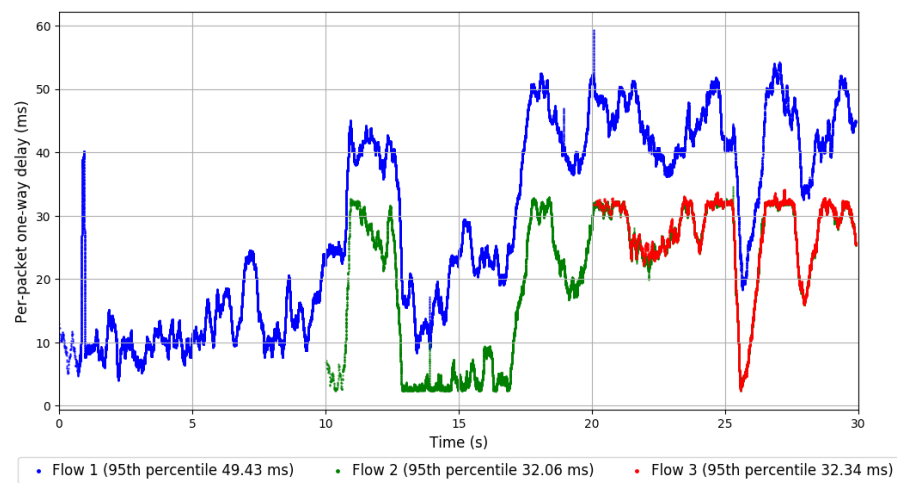
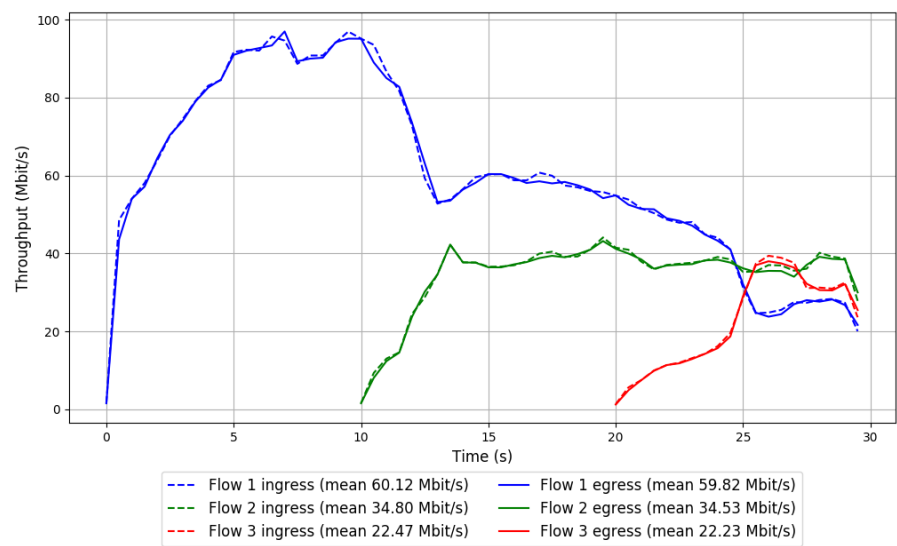


Run 8: Statistics of Vivace-LTE

Start at: 2018-04-03 22:57:10
End at: 2018-04-03 22:57:40
Local clock offset: -5.639 ms
Remote clock offset: -1.087 ms

Below is generated by plot.py at 2018-04-04 00:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 48.411 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 49.434 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 32.065 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 32.338 ms
Loss rate: 1.17%

Run 8: Report of Vivace-LTE — Data Link

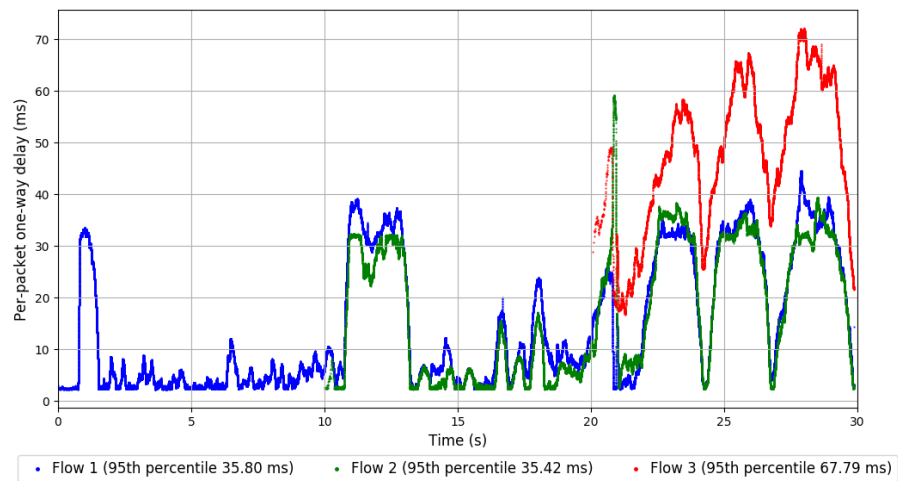
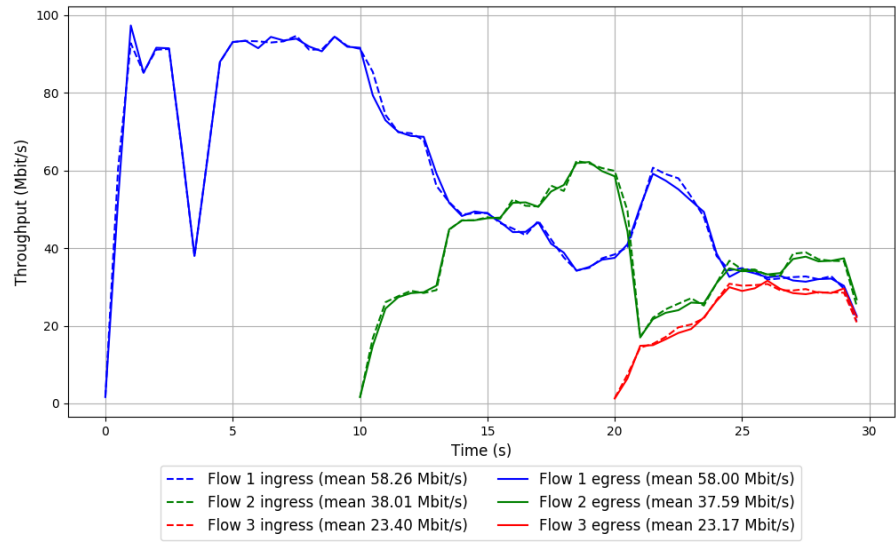


Run 9: Statistics of Vivace-LTE

Start at: 2018-04-03 23:17:42
End at: 2018-04-03 23:18:12
Local clock offset: -5.271 ms
Remote clock offset: -6.986 ms

Below is generated by plot.py at 2018-04-04 00:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 47.620 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 35.796 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 35.417 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 67.788 ms
Loss rate: 1.23%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-03 23:38:17
End at: 2018-04-03 23:38:47
Local clock offset: -5.931 ms
Remote clock offset: -8.113 ms

Below is generated by plot.py at 2018-04-04 00:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 33.968 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 76.38 Mbit/s
95th percentile per-packet one-way delay: 30.332 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 72.900 ms
Loss rate: 4.81%
-- Flow 3:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 34.756 ms
Loss rate: 0.42%

Run 10: Report of Vivace-LTE — Data Link

