

Pantheon Report

Generated at 2018-04-11 03:25:56 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

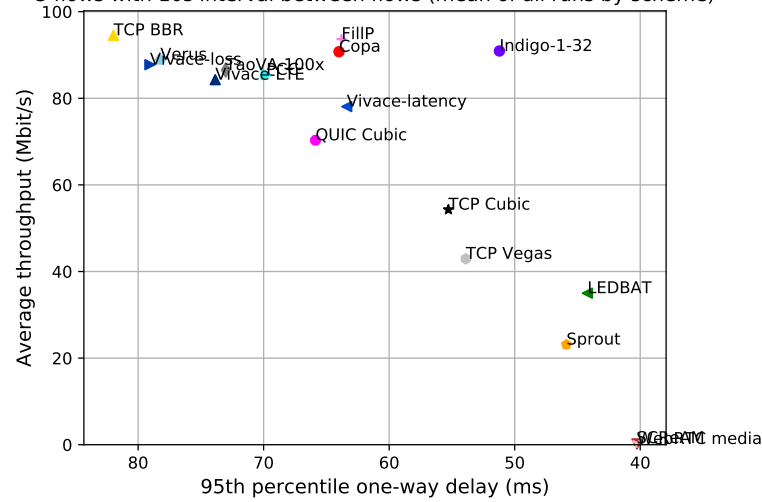
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

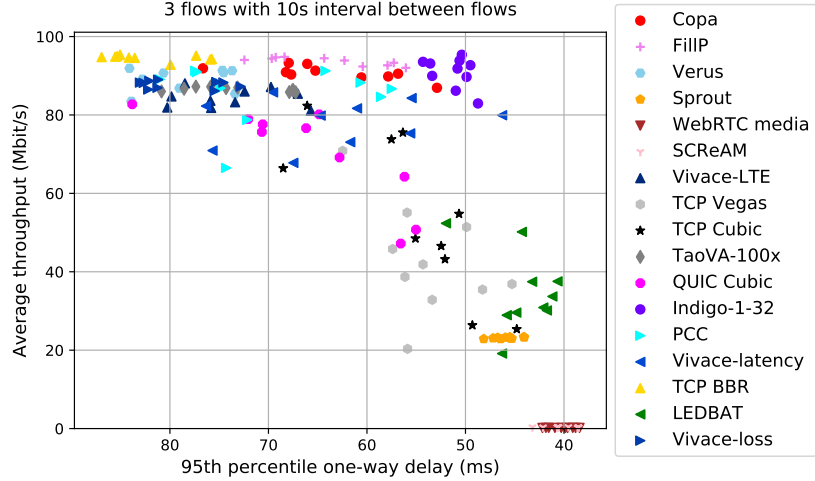
Git summary:

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

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



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



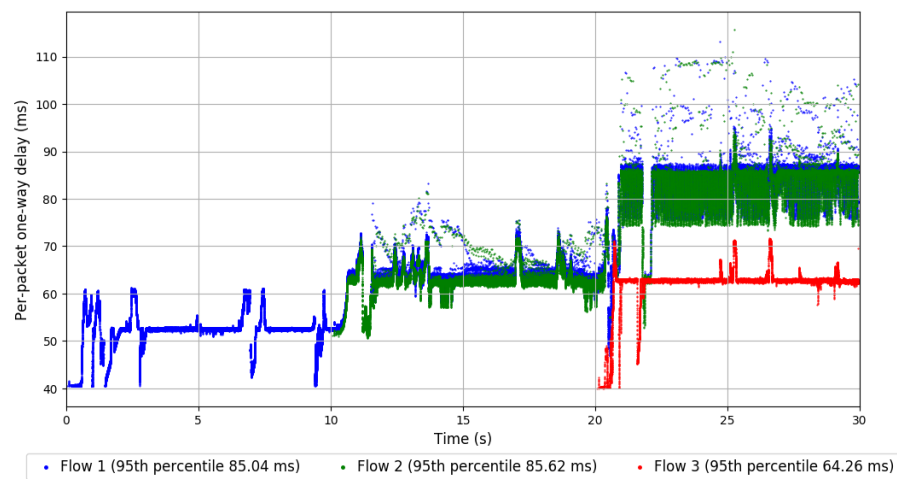
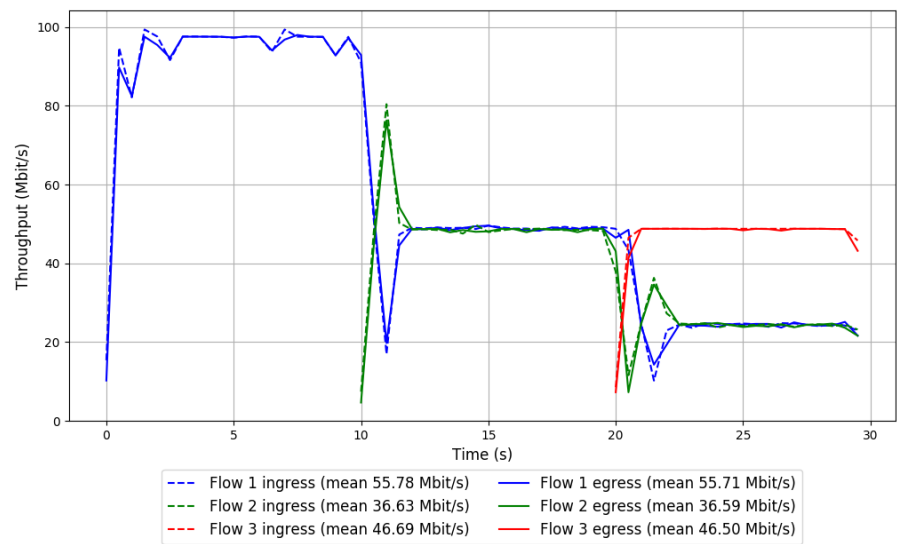
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	56.88	39.89	33.74	79.17	78.89	79.45	0.70	0.87	1.43
TCP Cubic	10	26.27	25.68	33.10	52.52	53.36	57.19	0.52	0.53	0.92
LEDBAT	10	19.51	16.41	13.84	43.58	43.96	46.32	0.47	0.53	1.38
PCC	10	54.99	33.39	25.11	68.93	68.34	61.86	0.58	0.82	1.18
QUIC Cubic	10	39.58	32.19	28.56	63.24	61.90	64.45	0.61	0.70	1.23
SCReAM	10	0.18	0.19	0.20	39.47	40.04	40.02	0.36	0.36	0.72
WebRTC media	10	0.07	0.06	0.05	40.51	40.46	39.91	0.93	0.05	0.13
Sprout	10	11.71	11.59	11.31	45.65	45.94	46.06	0.48	0.66	1.10
TaoVA-100x	10	50.69	38.79	30.34	68.79	71.66	74.38	0.54	0.76	1.40
TCP Vegas	10	20.92	20.73	24.89	47.82	53.62	54.78	0.45	0.57	1.04
Verus	10	53.52	38.82	29.07	73.51	76.95	80.59	0.68	0.79	1.30
Copa	10	59.15	33.77	27.68	61.97	64.38	65.36	0.61	0.67	1.19
FillP	10	44.74	50.89	45.76	61.42	64.29	64.82	0.55	0.82	1.64
Indigo-1-32	10	58.34	34.63	29.51	51.02	52.82	52.25	0.57	0.73	1.19
Vivace-latency	10	52.90	30.85	14.28	62.30	61.75	59.62	0.58	0.90	1.51
Vivace-loss	10	53.65	39.87	23.27	75.89	72.18	81.25	0.72	1.05	2.09
Vivace-LTE	10	53.23	34.66	24.57	71.79	71.47	69.75	0.52	0.77	1.49

Run 1: Statistics of TCP BBR

Start at: 2018-04-10 18:30:29
End at: 2018-04-10 18:30:59
Local clock offset: 0.184 ms
Remote clock offset: -2.891 ms

Below is generated by plot.py at 2018-04-11 03:01:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 85.072 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 85.041 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 85.616 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 64.260 ms
Loss rate: 1.07%

Run 1: Report of TCP BBR — Data Link

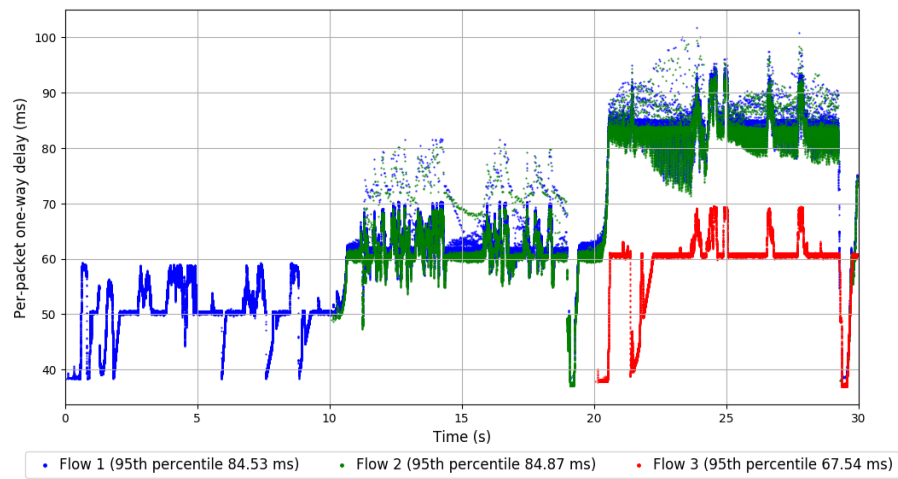
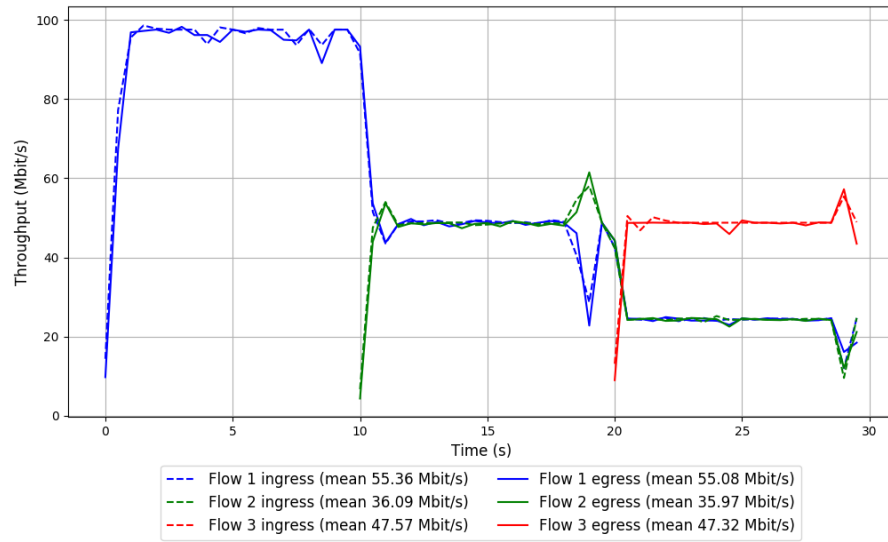


Run 2: Statistics of TCP BBR

Start at: 2018-04-10 18:55:23
End at: 2018-04-10 18:55:53
Local clock offset: 0.033 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-04-11 03:01:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 84.171 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 84.529 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 84.871 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 47.32 Mbit/s
95th percentile per-packet one-way delay: 67.541 ms
Loss rate: 1.39%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-10 19:20:36

End at: 2018-04-10 19:21:06

Local clock offset: -0.247 ms

Remote clock offset: -2.99 ms

Below is generated by plot.py at 2018-04-11 03:01:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.28 Mbit/s

95th percentile per-packet one-way delay: 75.746 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 57.37 Mbit/s

95th percentile per-packet one-way delay: 75.580 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 75.794 ms

Loss rate: 0.79%

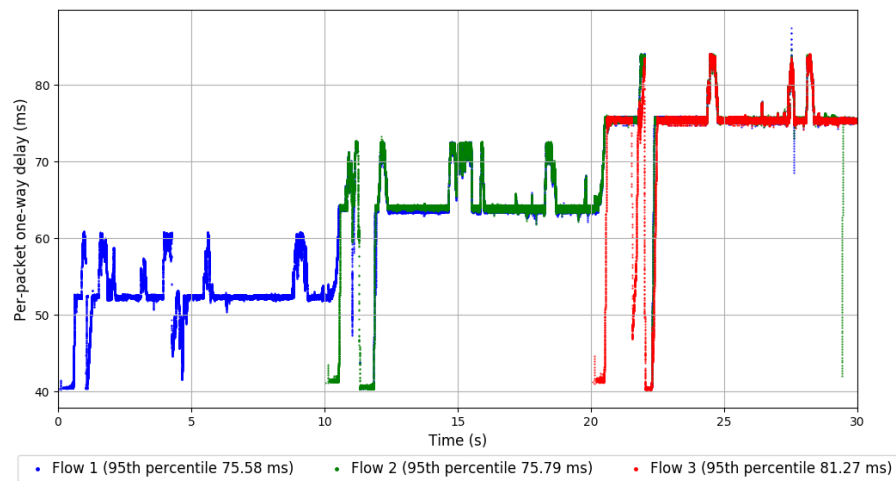
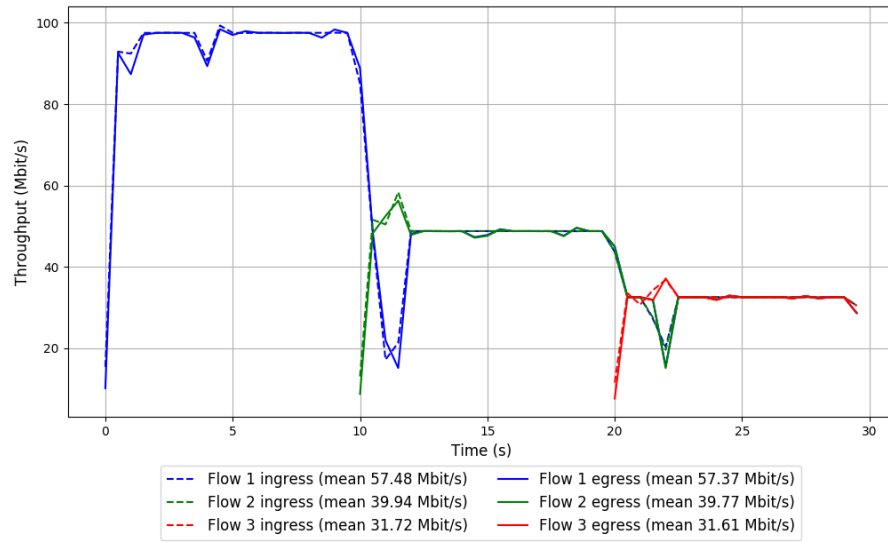
-- Flow 3:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 81.272 ms

Loss rate: 1.20%

Run 3: Report of TCP BBR — Data Link

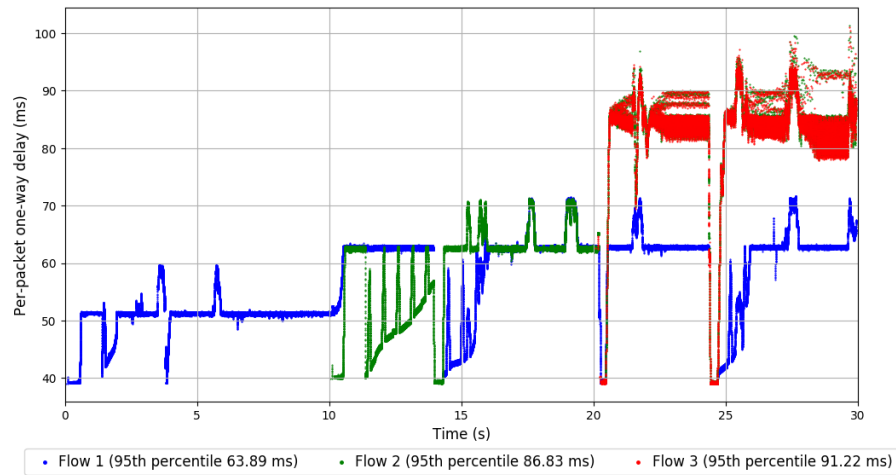
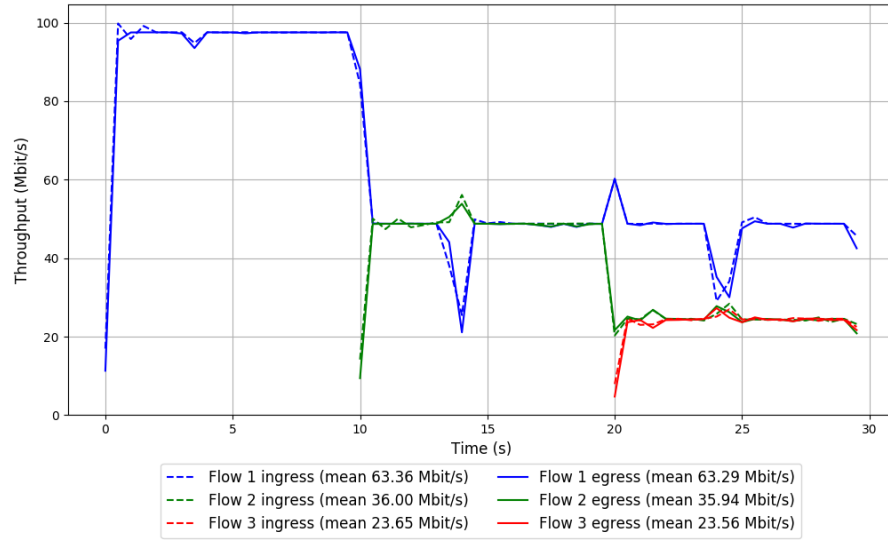


Run 4: Statistics of TCP BBR

Start at: 2018-04-10 19:45:22
End at: 2018-04-10 19:45:52
Local clock offset: -0.172 ms
Remote clock offset: -5.966 ms

Below is generated by plot.py at 2018-04-11 03:01:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 85.354 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 63.29 Mbit/s
95th percentile per-packet one-way delay: 63.891 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 86.829 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 91.219 ms
Loss rate: 1.28%

Run 4: Report of TCP BBR — Data Link

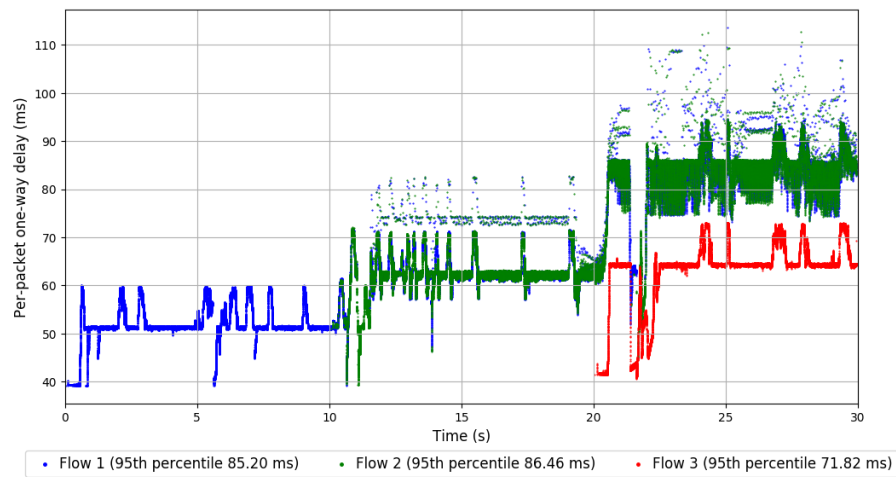
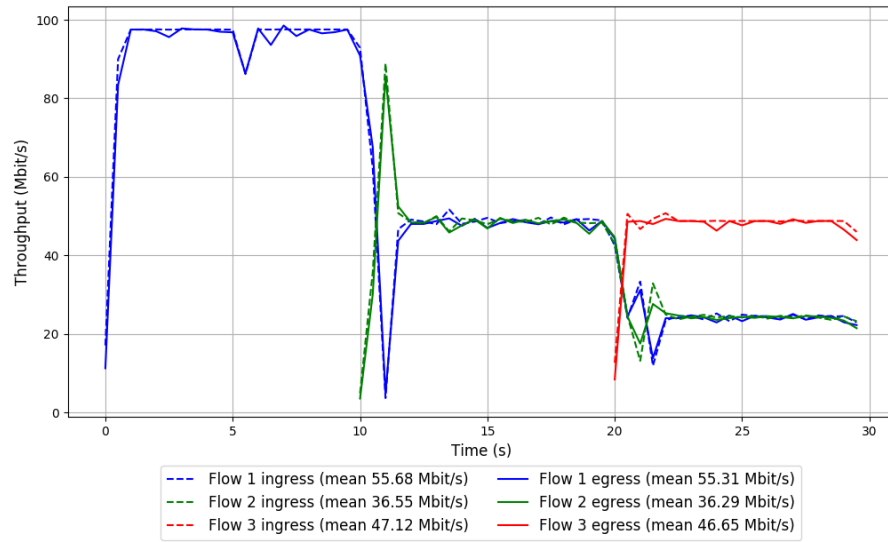


Run 5: Statistics of TCP BBR

Start at: 2018-04-10 20:10:32
End at: 2018-04-10 20:11:02
Local clock offset: 0.34 ms
Remote clock offset: -3.717 ms

Below is generated by plot.py at 2018-04-11 03:01:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 85.553 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 85.202 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 86.460 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 71.818 ms
Loss rate: 1.68%

Run 5: Report of TCP BBR — Data Link

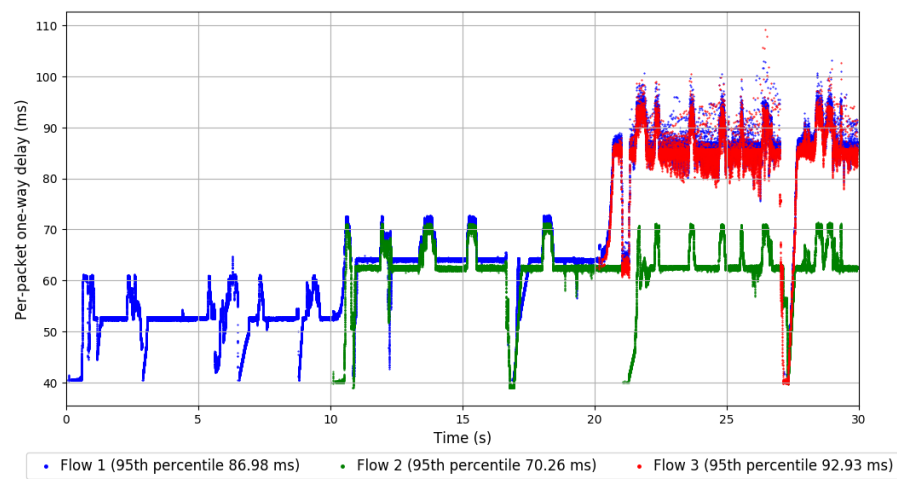
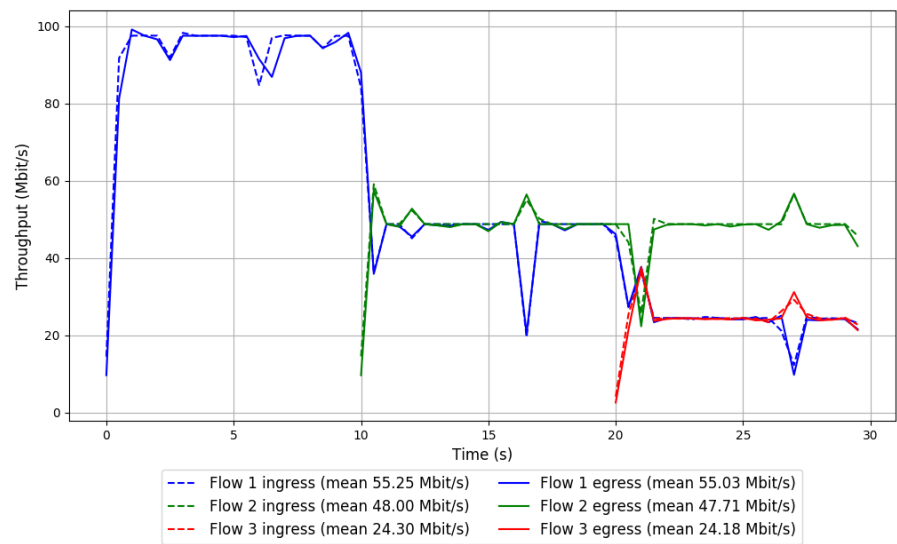


Run 6: Statistics of TCP BBR

Start at: 2018-04-10 20:36:34
End at: 2018-04-10 20:37:04
Local clock offset: 0.584 ms
Remote clock offset: -4.741 ms

Below is generated by plot.py at 2018-04-11 03:01:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 86.933 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 86.985 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 70.262 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 92.931 ms
Loss rate: 1.62%

Run 6: Report of TCP BBR — Data Link

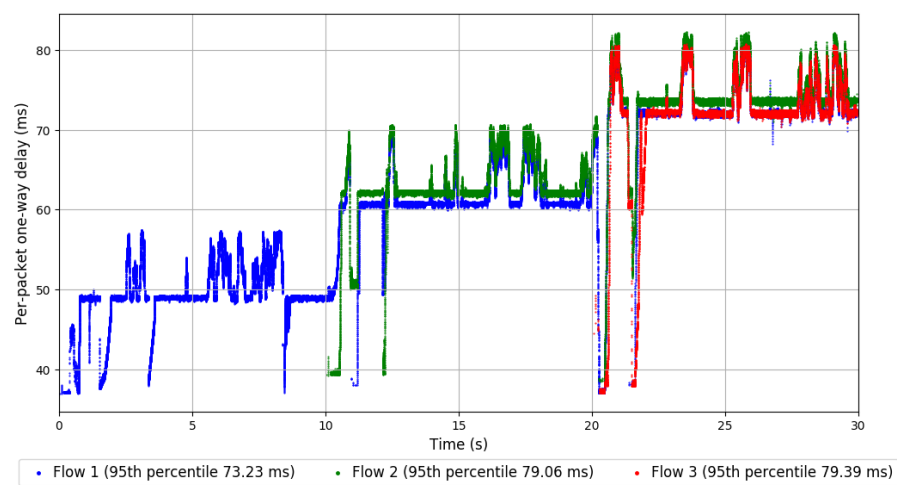
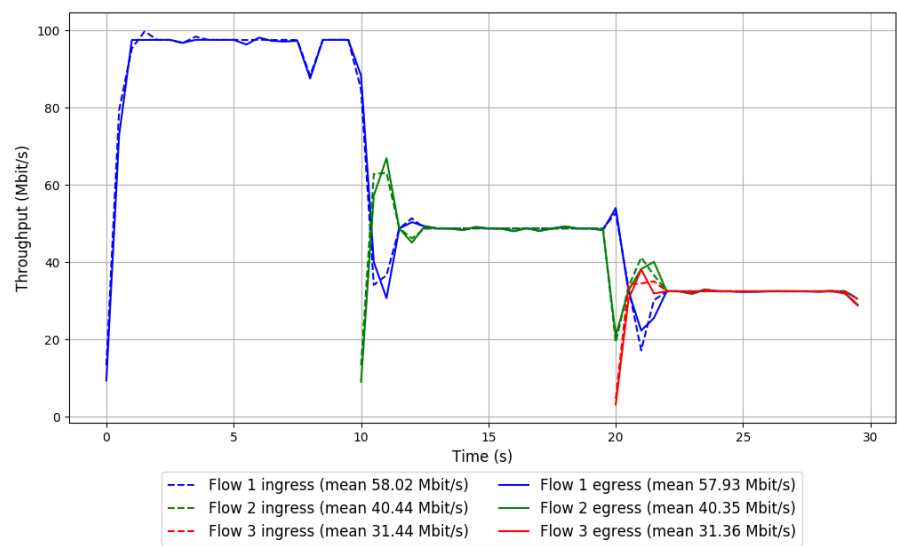


Run 7: Statistics of TCP BBR

Start at: 2018-04-10 21:02:25
End at: 2018-04-10 21:02:55
Local clock offset: -0.272 ms
Remote clock offset: -3.655 ms

Below is generated by plot.py at 2018-04-11 03:01:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 77.338 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 73.226 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 79.060 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 31.36 Mbit/s
95th percentile per-packet one-way delay: 79.395 ms
Loss rate: 1.18%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-04-10 21:28:07

End at: 2018-04-10 21:28:37

Local clock offset: -0.271 ms

Remote clock offset: -3.54 ms

Below is generated by plot.py at 2018-04-11 03:01:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.82 Mbit/s

95th percentile per-packet one-way delay: 79.937 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 56.31 Mbit/s

95th percentile per-packet one-way delay: 78.392 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 39.27 Mbit/s

95th percentile per-packet one-way delay: 80.834 ms

Loss rate: 1.39%

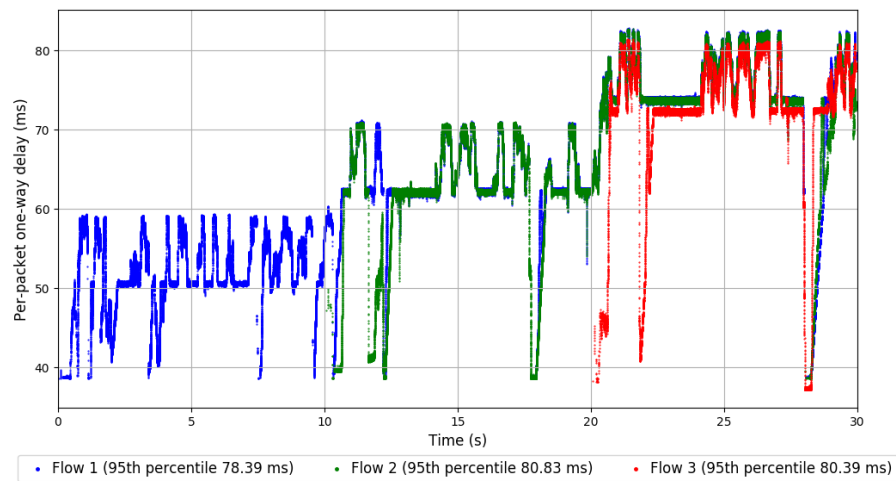
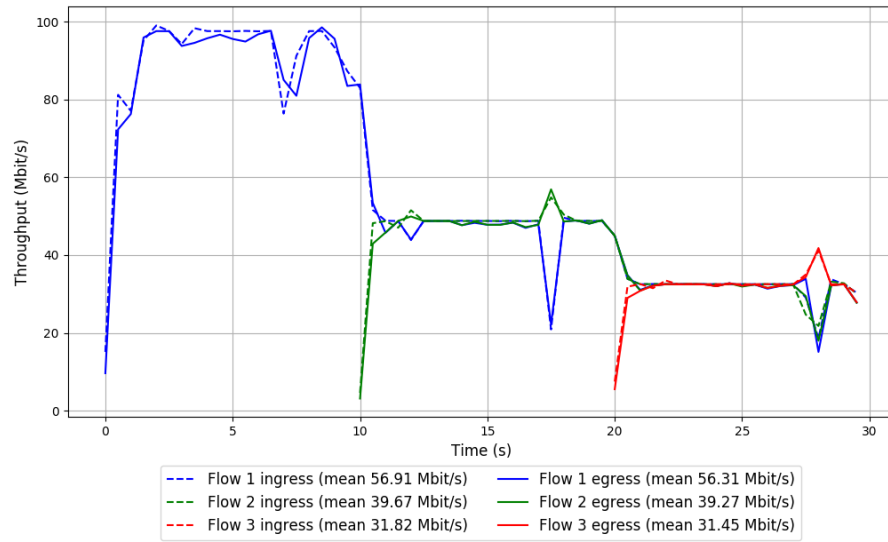
-- Flow 3:

Average throughput: 31.45 Mbit/s

95th percentile per-packet one-way delay: 80.393 ms

Loss rate: 1.84%

Run 8: Report of TCP BBR — Data Link

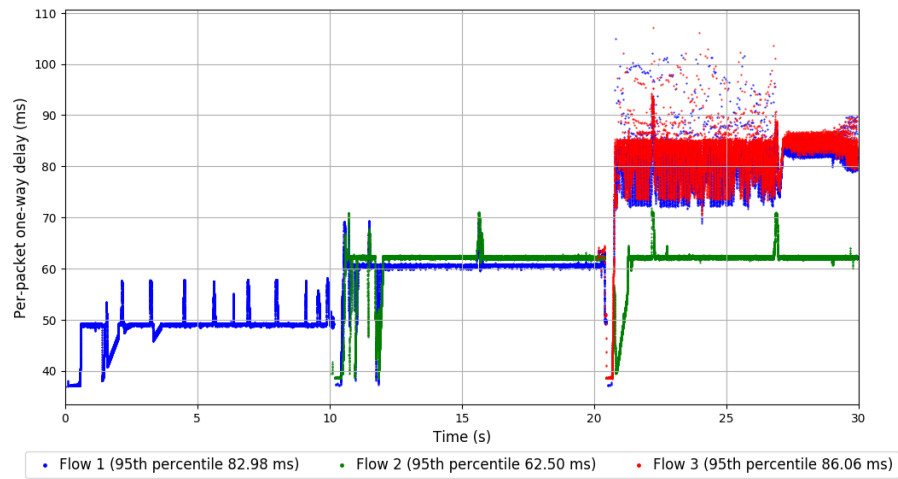
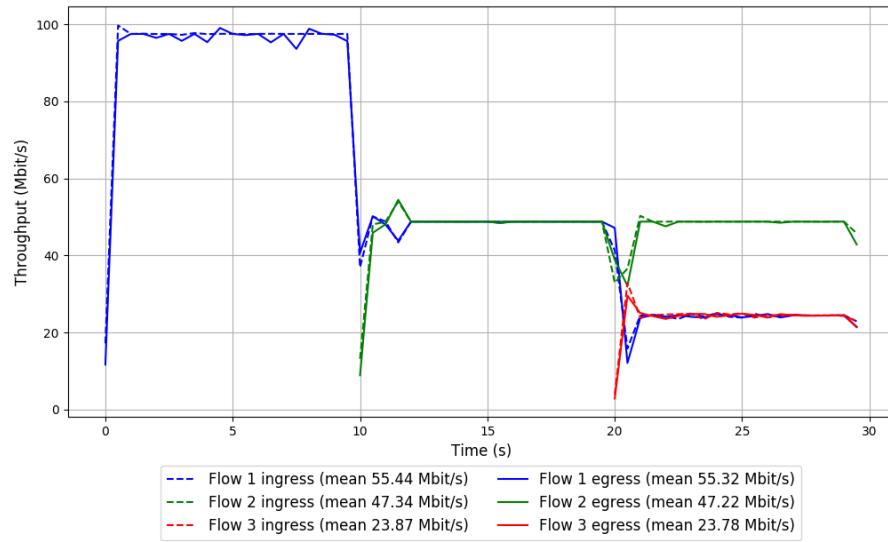


Run 9: Statistics of TCP BBR

Start at: 2018-04-10 21:53:24
End at: 2018-04-10 21:53:54
Local clock offset: 0.523 ms
Remote clock offset: -1.731 ms

Below is generated by plot.py at 2018-04-11 03:02:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 83.574 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 82.980 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 47.22 Mbit/s
95th percentile per-packet one-way delay: 62.500 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 86.059 ms
Loss rate: 1.30%

Run 9: Report of TCP BBR — Data Link

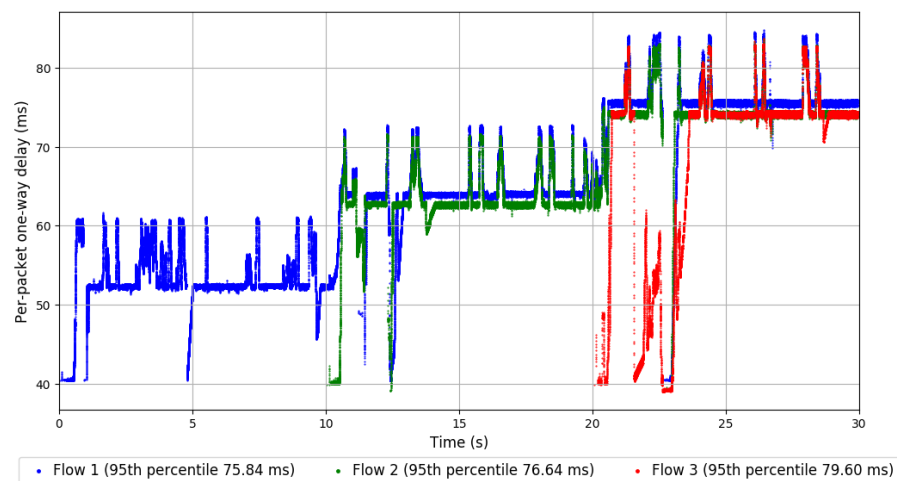
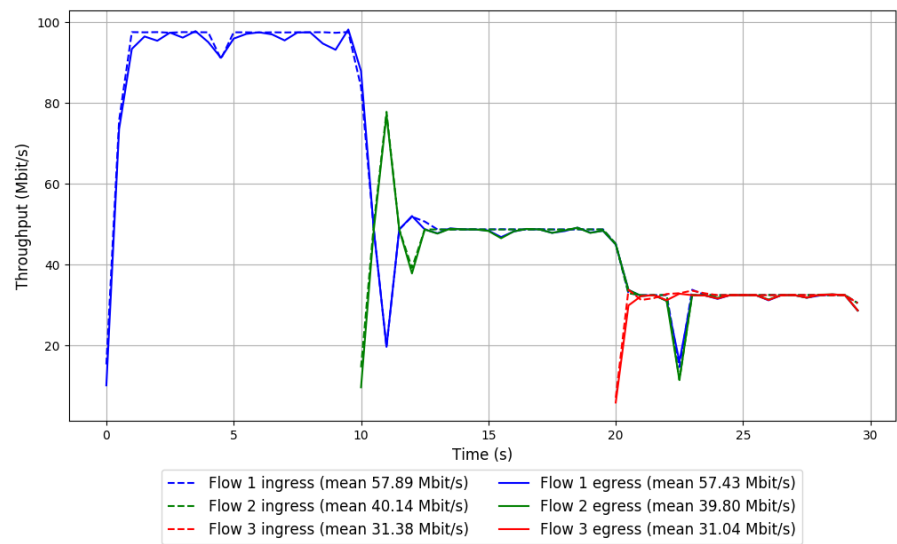


Run 10: Statistics of TCP BBR

Start at: 2018-04-10 22:18:38
End at: 2018-04-10 22:19:08
Local clock offset: 0.389 ms
Remote clock offset: -4.627 ms

Below is generated by plot.py at 2018-04-11 03:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 75.900 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 75.839 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 76.636 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 79.600 ms
Loss rate: 1.75%

Run 10: Report of TCP BBR — Data Link

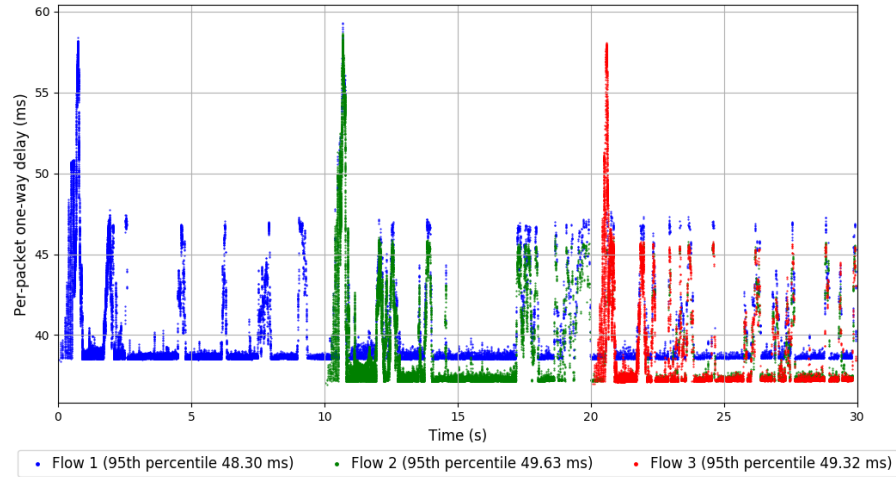
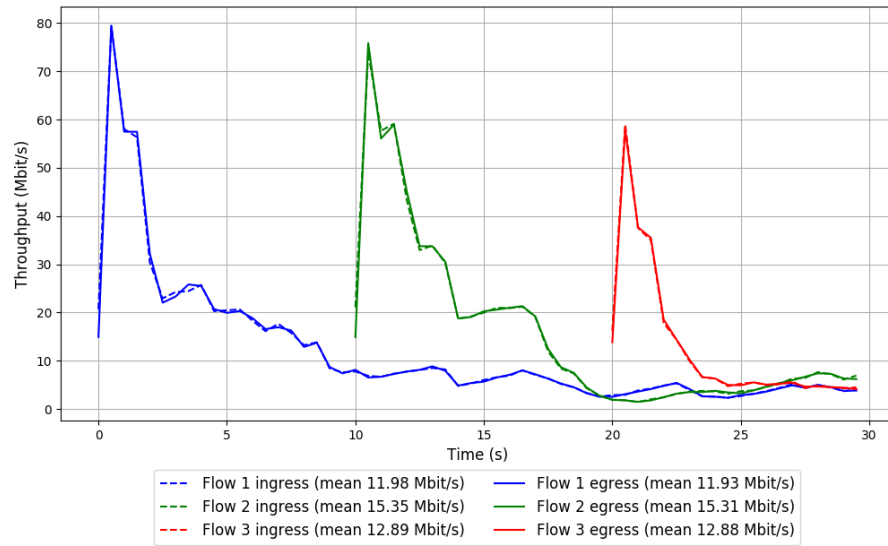


Run 1: Statistics of TCP Cubic

Start at: 2018-04-10 18:08:45
End at: 2018-04-10 18:09:15
Local clock offset: 1.693 ms
Remote clock offset: -3.648 ms

Below is generated by plot.py at 2018-04-11 03:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 49.299 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 48.298 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 15.31 Mbit/s
95th percentile per-packet one-way delay: 49.634 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 49.320 ms
Loss rate: 0.76%

Run 1: Report of TCP Cubic — Data Link

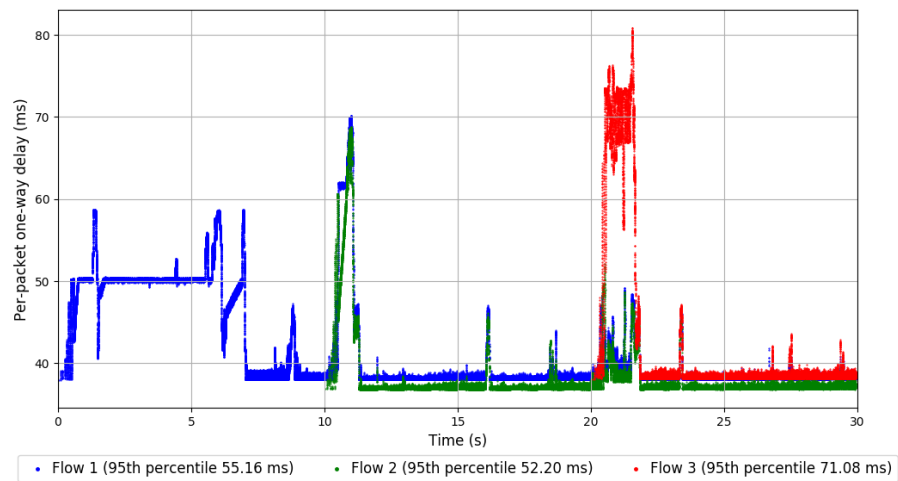
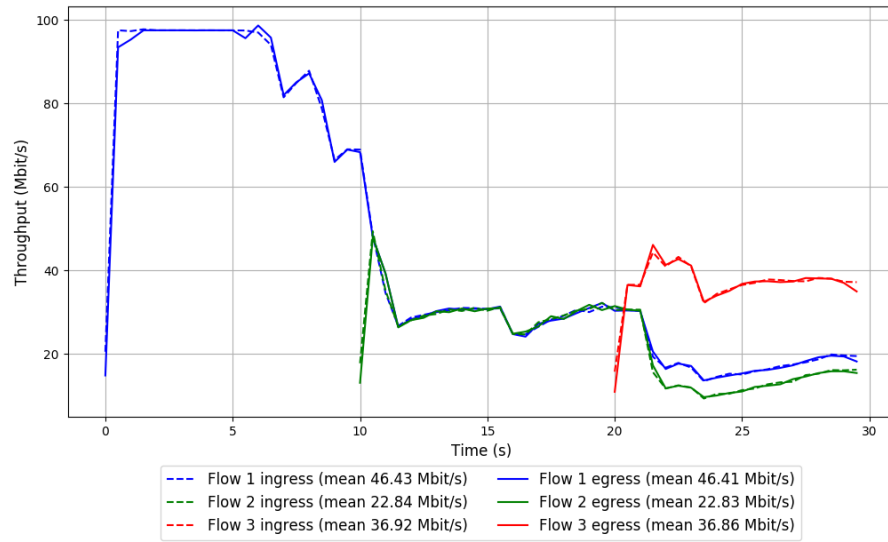


Run 2: Statistics of TCP Cubic

Start at: 2018-04-10 18:34:37
End at: 2018-04-10 18:35:07
Local clock offset: 0.132 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-04-11 03:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.79 Mbit/s
95th percentile per-packet one-way delay: 57.515 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 55.159 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 22.83 Mbit/s
95th percentile per-packet one-way delay: 52.203 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 71.085 ms
Loss rate: 0.84%

Run 2: Report of TCP Cubic — Data Link

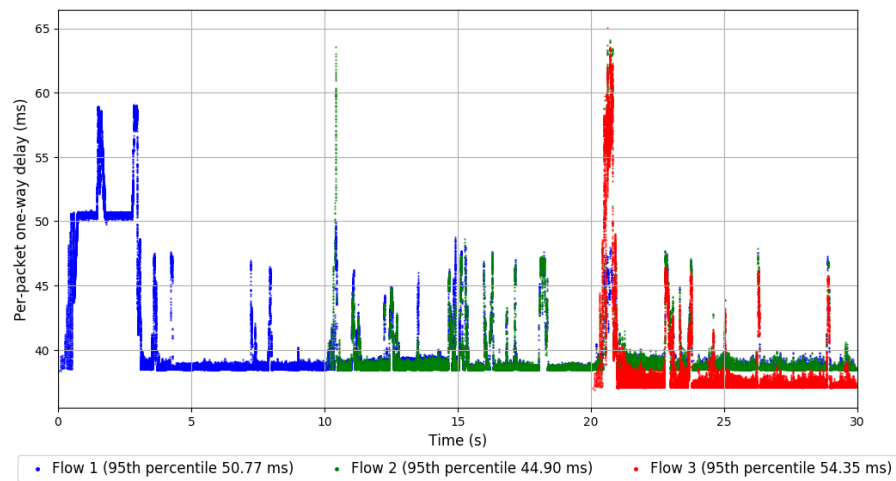
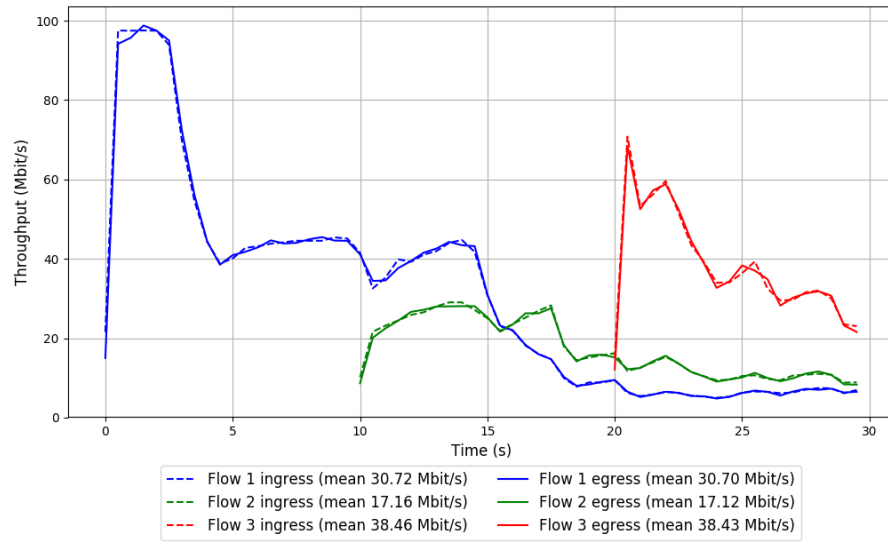


Run 3: Statistics of TCP Cubic

Start at: 2018-04-10 18:59:41
End at: 2018-04-10 19:00:11
Local clock offset: -0.007 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-04-11 03:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 50.654 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 50.772 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 44.900 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 54.348 ms
Loss rate: 0.74%

Run 3: Report of TCP Cubic — Data Link

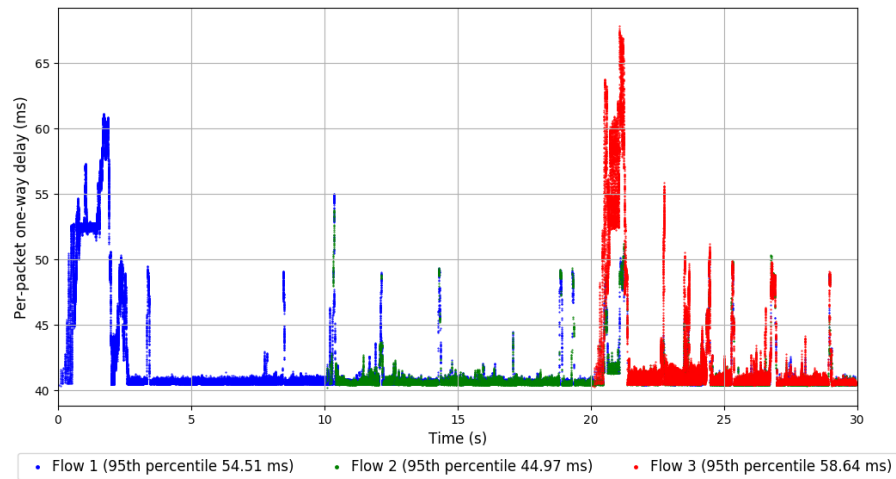
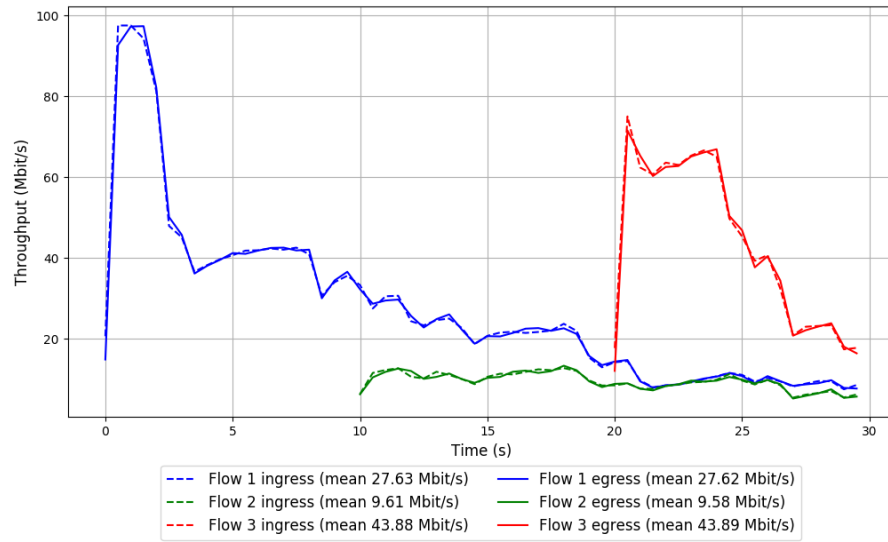


Run 4: Statistics of TCP Cubic

Start at: 2018-04-10 19:24:43
End at: 2018-04-10 19:25:13
Local clock offset: -0.153 ms
Remote clock offset: -3.836 ms

Below is generated by plot.py at 2018-04-11 03:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 55.077 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 27.62 Mbit/s
95th percentile per-packet one-way delay: 54.509 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 44.971 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 58.639 ms
Loss rate: 0.67%

Run 4: Report of TCP Cubic — Data Link

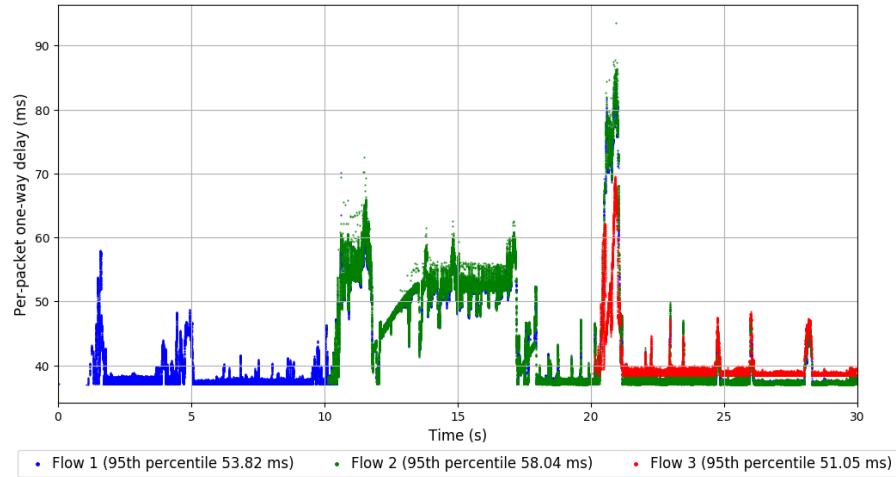
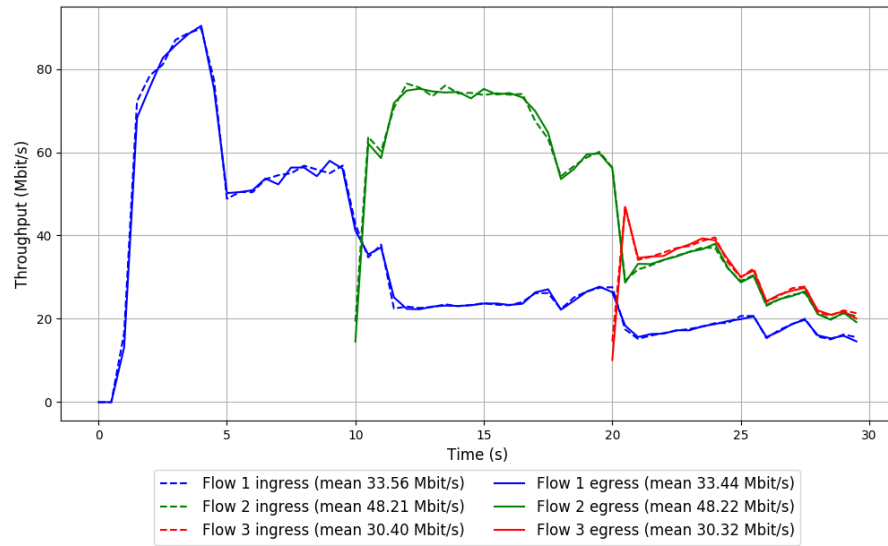


Run 5: Statistics of TCP Cubic

Start at: 2018-04-10 19:49:30
End at: 2018-04-10 19:50:00
Local clock offset: -0.086 ms
Remote clock offset: -4.247 ms

Below is generated by plot.py at 2018-04-11 03:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: 56.354 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 33.44 Mbit/s
95th percentile per-packet one-way delay: 53.816 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 58.040 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 51.046 ms
Loss rate: 0.95%

Run 5: Report of TCP Cubic — Data Link

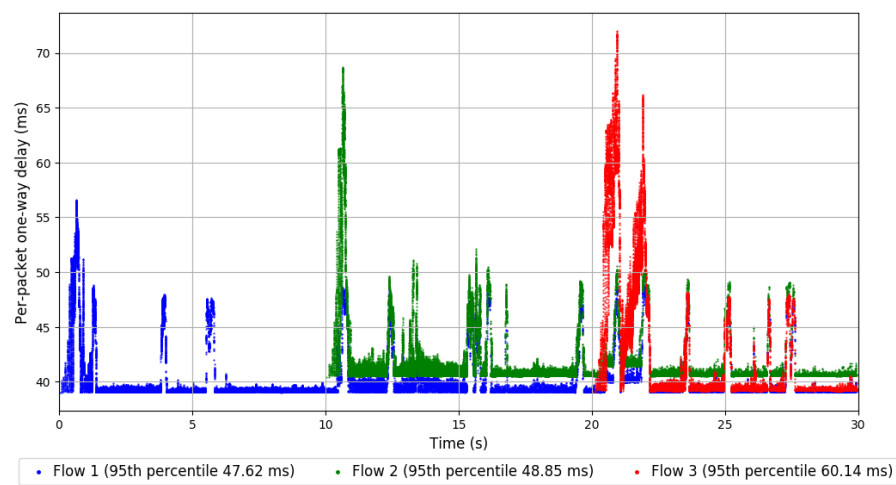
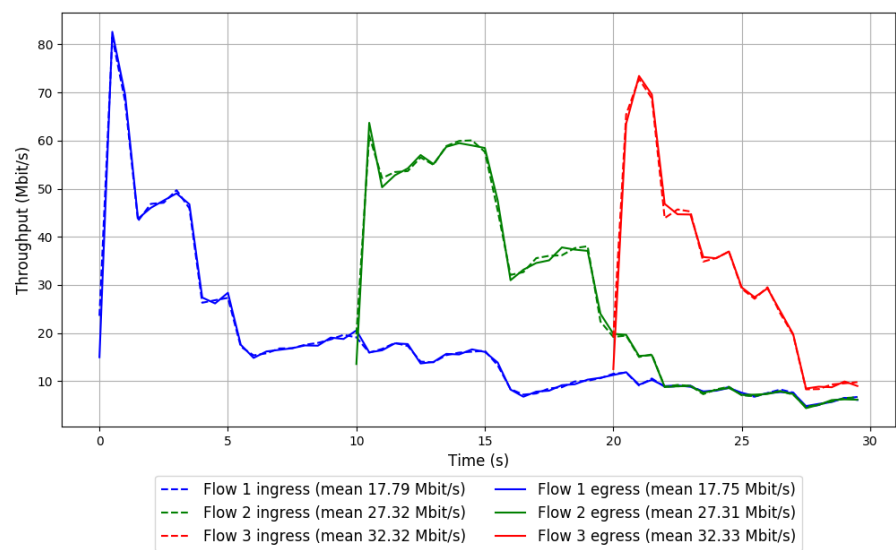


Run 6: Statistics of TCP Cubic

Start at: 2018-04-10 20:14:54
End at: 2018-04-10 20:15:24
Local clock offset: 0.36 ms
Remote clock offset: -3.533 ms

Below is generated by plot.py at 2018-04-11 03:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 52.467 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 17.75 Mbit/s
95th percentile per-packet one-way delay: 47.622 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 48.854 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 60.140 ms
Loss rate: 0.65%

Run 6: Report of TCP Cubic — Data Link

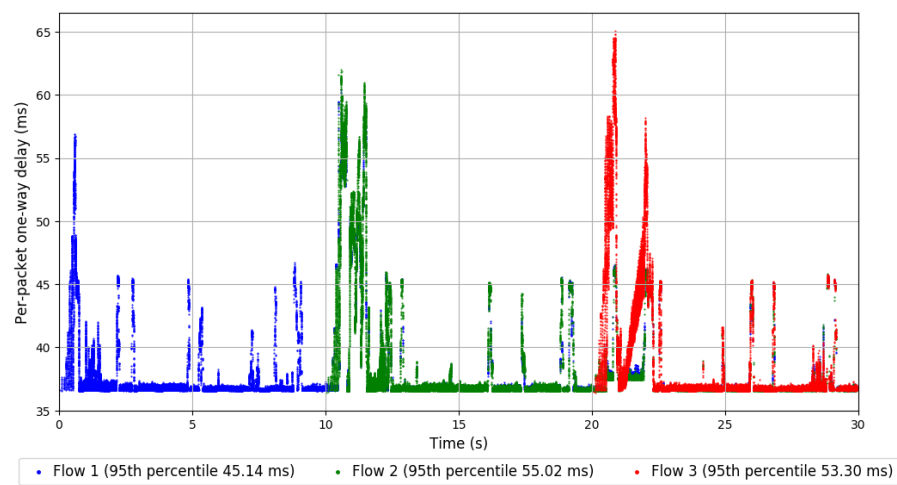
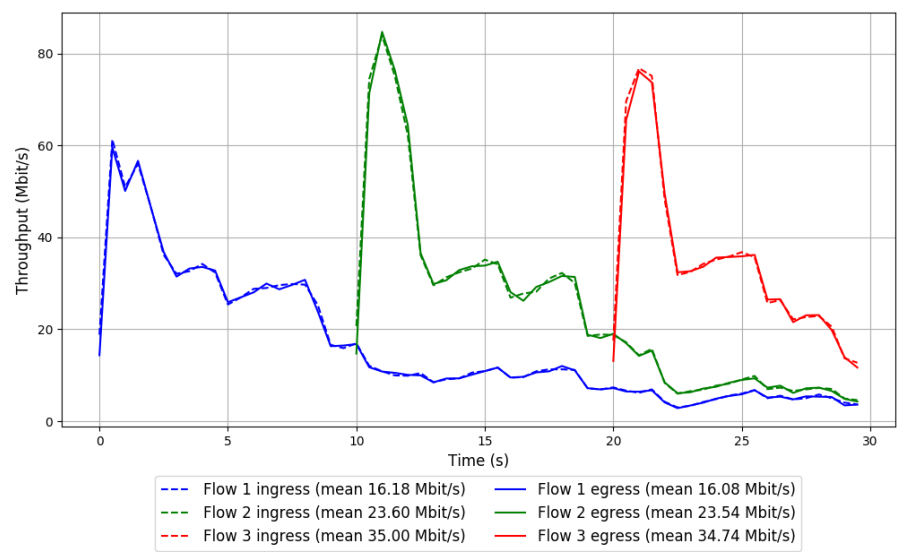


Run 7: Statistics of TCP Cubic

Start at: 2018-04-10 20:40:48
End at: 2018-04-10 20:41:18
Local clock offset: 0.402 ms
Remote clock offset: -2.521 ms

Below is generated by plot.py at 2018-04-11 03:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 52.080 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 45.144 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 55.025 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 53.297 ms
Loss rate: 1.42%

Run 7: Report of TCP Cubic — Data Link

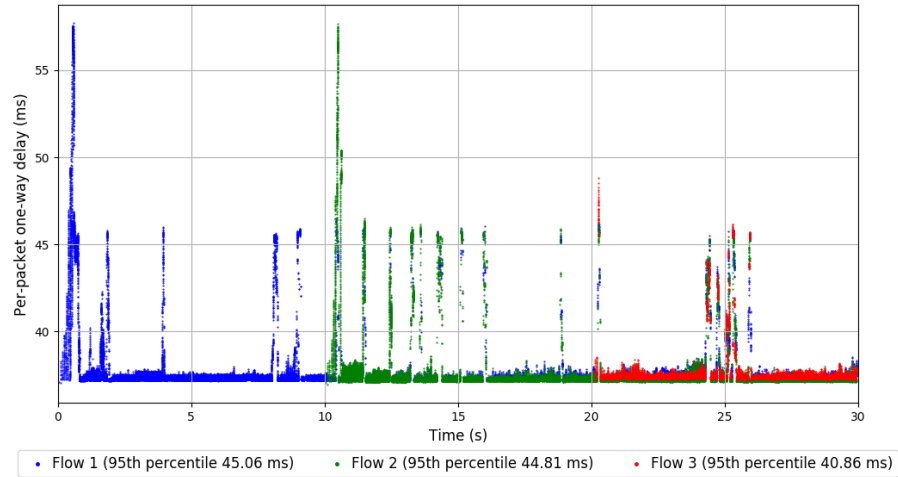
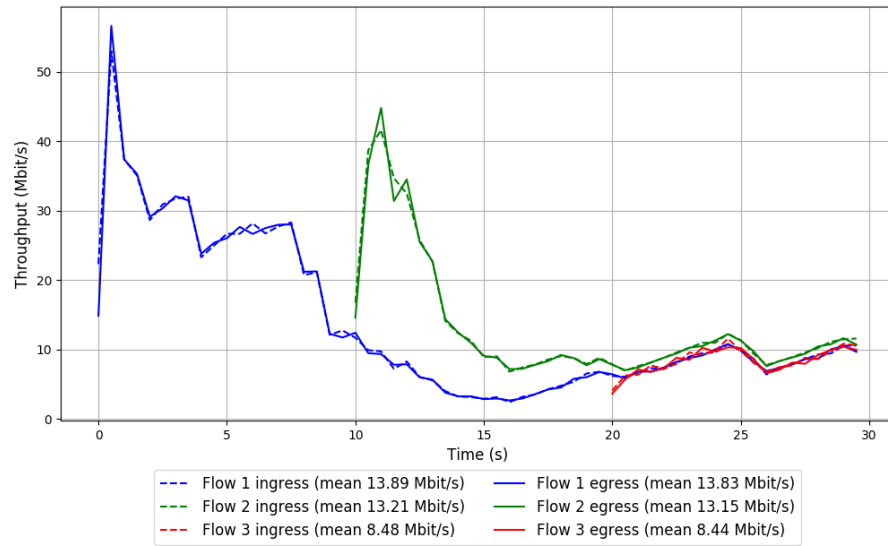


Run 8: Statistics of TCP Cubic

Start at: 2018-04-10 21:06:33
End at: 2018-04-10 21:07:03
Local clock offset: -0.135 ms
Remote clock offset: -3.551 ms

Below is generated by plot.py at 2018-04-11 03:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 44.795 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 13.83 Mbit/s
95th percentile per-packet one-way delay: 45.065 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 44.808 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 40.863 ms
Loss rate: 1.21%

Run 8: Report of TCP Cubic — Data Link

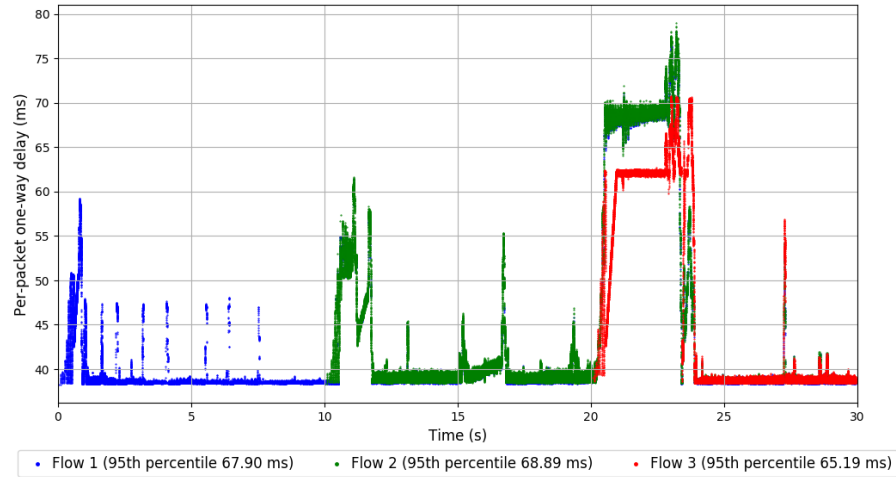
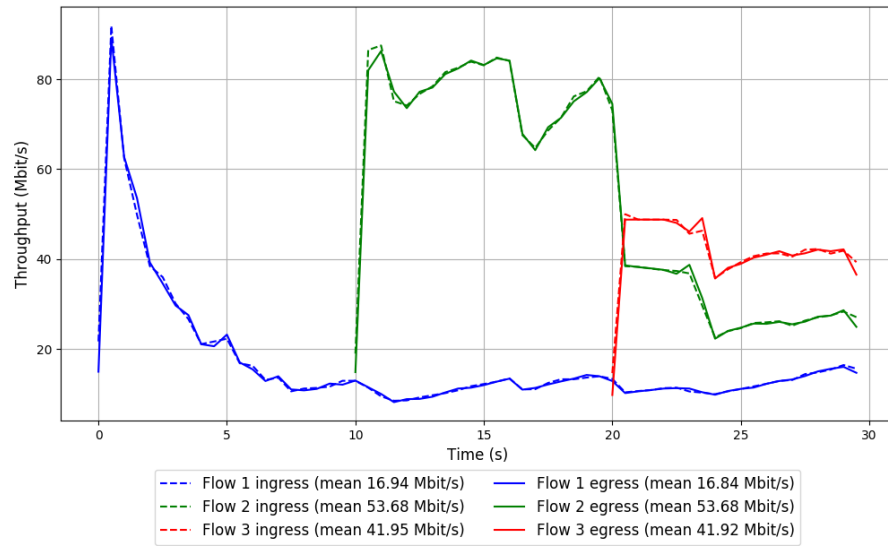


Run 9: Statistics of TCP Cubic

Start at: 2018-04-10 21:32:36
End at: 2018-04-10 21:33:06
Local clock offset: -0.443 ms
Remote clock offset: -3.645 ms

Below is generated by plot.py at 2018-04-11 03:03:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.40 Mbit/s
95th percentile per-packet one-way delay: 68.503 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 67.902 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 68.887 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 0.76%

Run 9: Report of TCP Cubic — Data Link

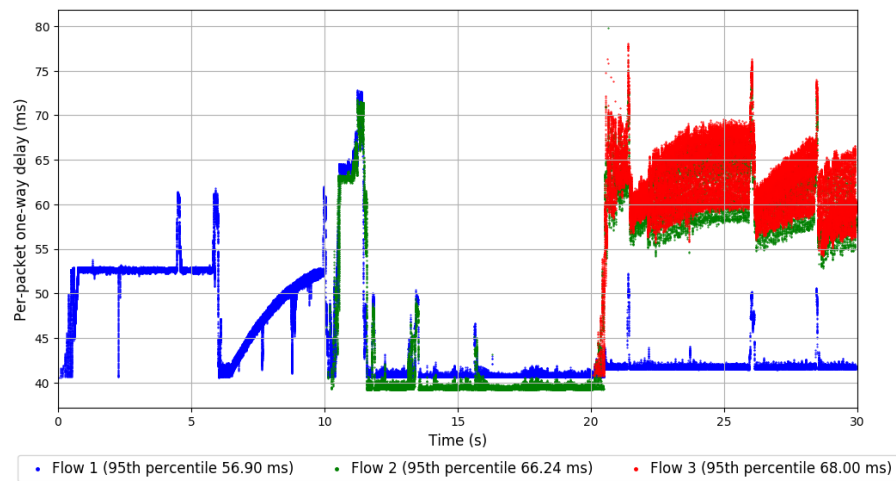
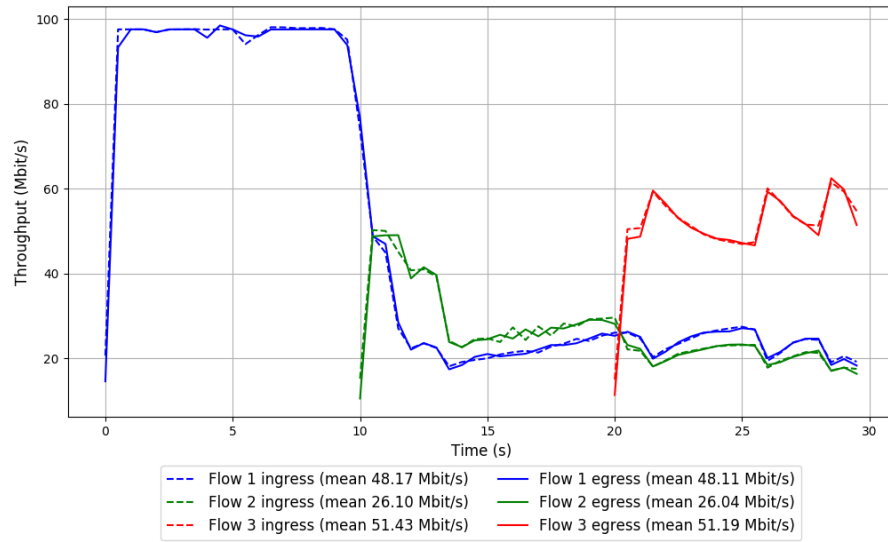


Run 10: Statistics of TCP Cubic

Start at: 2018-04-10 21:57:35
End at: 2018-04-10 21:58:05
Local clock offset: 0.579 ms
Remote clock offset: -3.708 ms

Below is generated by plot.py at 2018-04-11 03:03:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 66.068 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 48.11 Mbit/s
95th percentile per-packet one-way delay: 56.902 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 66.241 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 51.19 Mbit/s
95th percentile per-packet one-way delay: 68.001 ms
Loss rate: 1.16%

Run 10: Report of TCP Cubic — Data Link

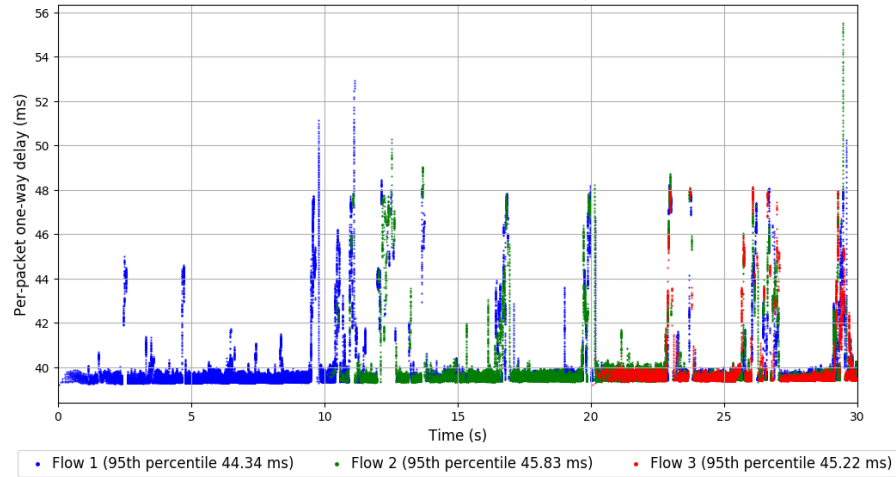
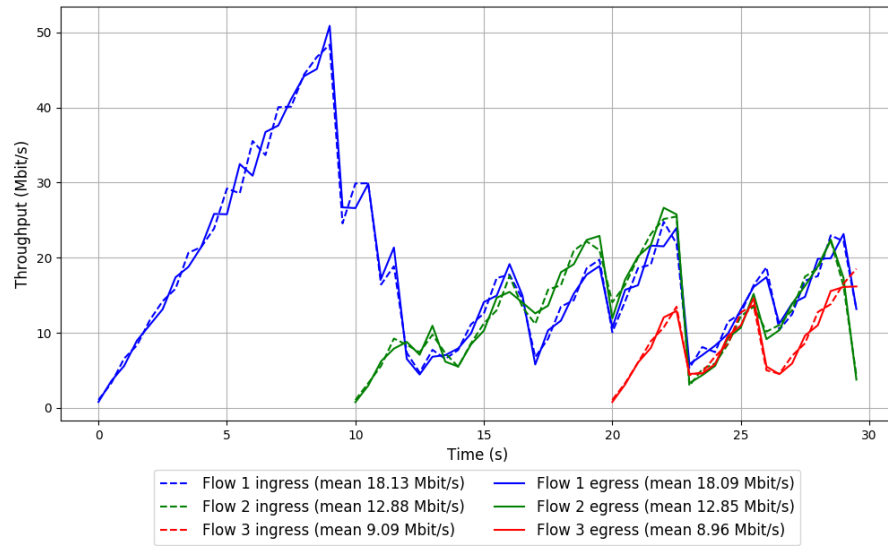


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-10 18:10:06
End at: 2018-04-10 18:10:36
Local clock offset: 1.509 ms
Remote clock offset: -5.762 ms

# Below is generated by plot.py at 2018-04-11 03:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 44.844 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 44.337 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 12.85 Mbit/s
95th percentile per-packet one-way delay: 45.826 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 45.217 ms
Loss rate: 2.06%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-04-10 18:35:58

End at: 2018-04-10 18:36:28

Local clock offset: 0.126 ms

Remote clock offset: -0.53 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 44.277 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 28.66 Mbit/s

95th percentile per-packet one-way delay: 45.870 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 22.16 Mbit/s

95th percentile per-packet one-way delay: 42.318 ms

Loss rate: 0.50%

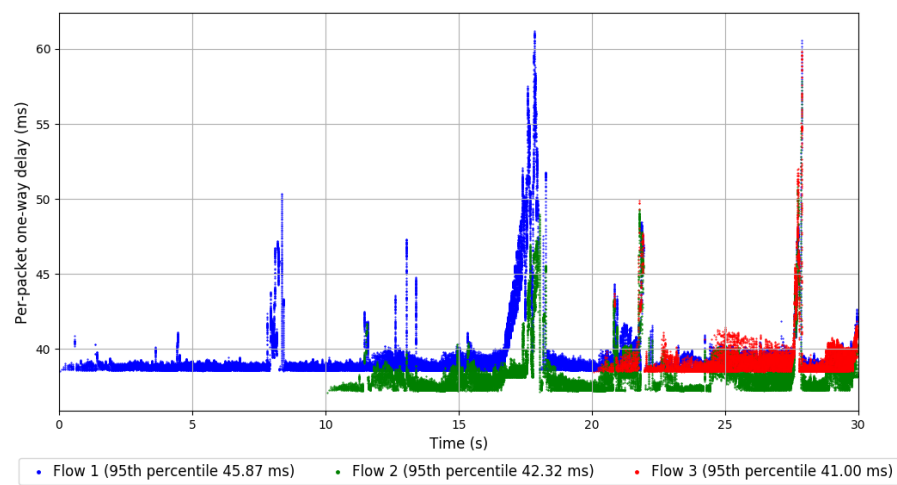
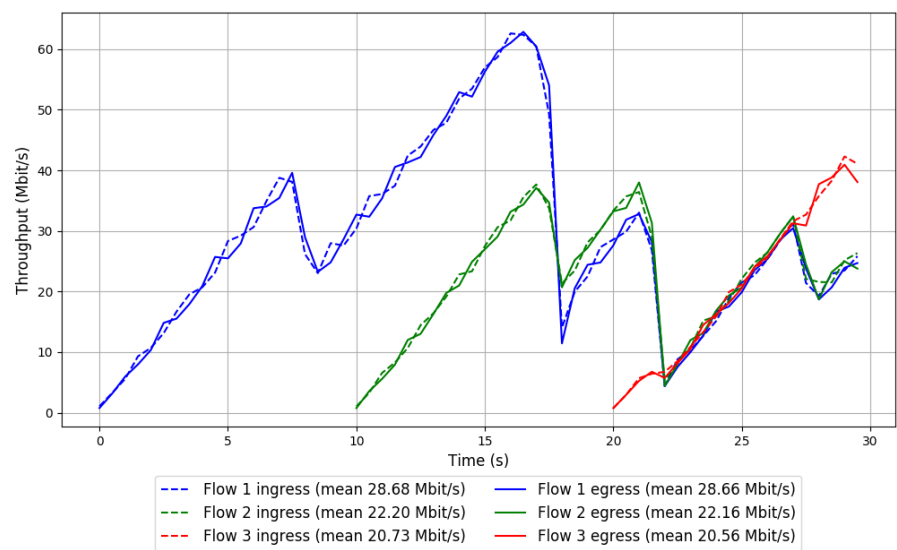
-- Flow 3:

Average throughput: 20.56 Mbit/s

95th percentile per-packet one-way delay: 41.000 ms

Loss rate: 1.52%

Run 2: Report of LEDBAT — Data Link

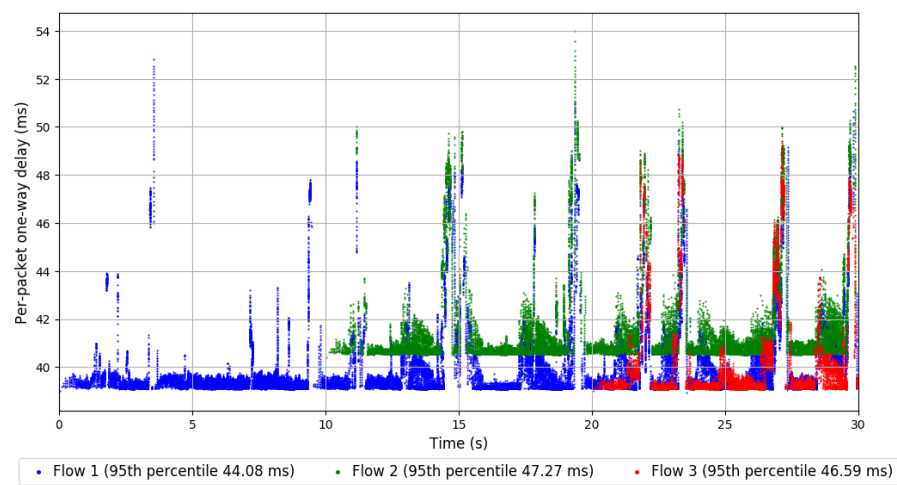
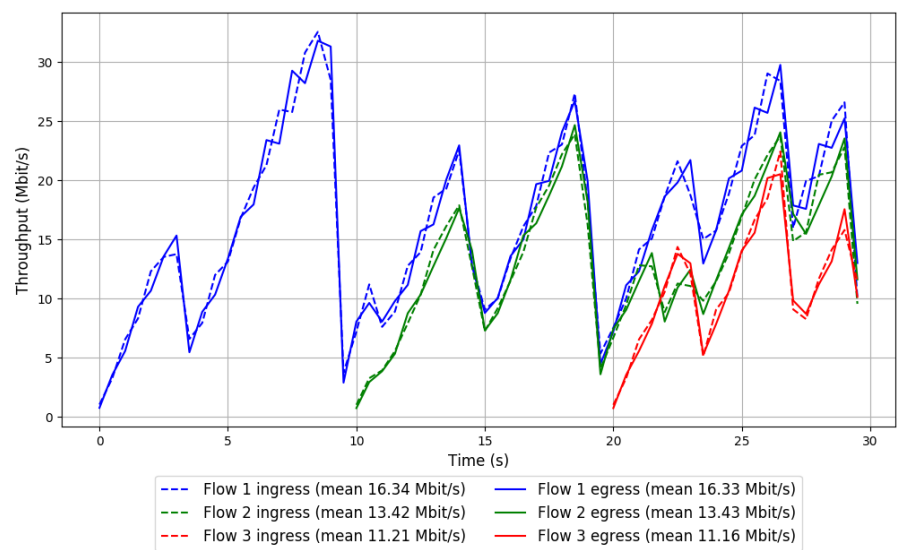


Run 3: Statistics of LEDBAT

Start at: 2018-04-10 19:01:05
End at: 2018-04-10 19:01:35
Local clock offset: -0.034 ms
Remote clock offset: -2.097 ms

Below is generated by plot.py at 2018-04-11 03:03:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 45.816 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 44.083 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 13.43 Mbit/s
95th percentile per-packet one-way delay: 47.268 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 46.585 ms
Loss rate: 1.10%

Run 3: Report of LEDBAT — Data Link

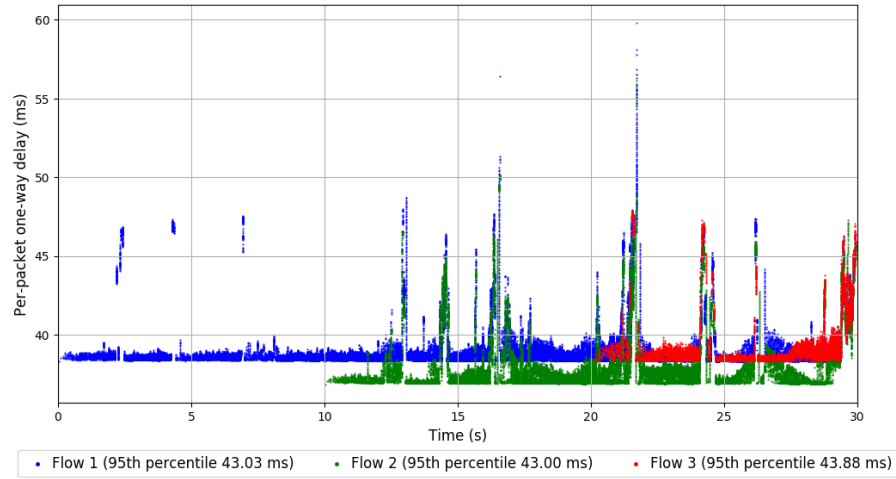
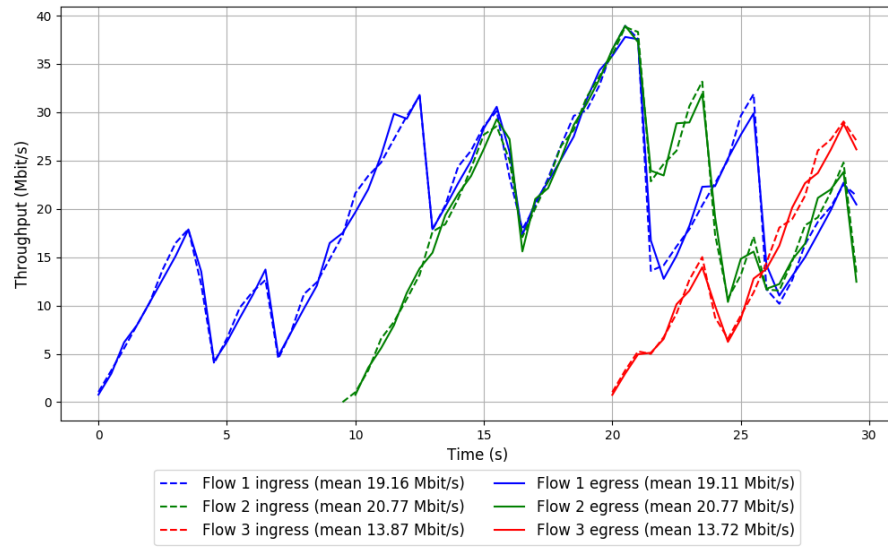


Run 4: Statistics of LEDBAT

Start at: 2018-04-10 19:26:03
End at: 2018-04-10 19:26:33
Local clock offset: -0.147 ms
Remote clock offset: -1.926 ms

Below is generated by plot.py at 2018-04-11 03:03:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 43.237 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 19.11 Mbit/s
95th percentile per-packet one-way delay: 43.029 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 42.997 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 13.72 Mbit/s
95th percentile per-packet one-way delay: 43.882 ms
Loss rate: 1.73%

Run 4: Report of LEDBAT — Data Link

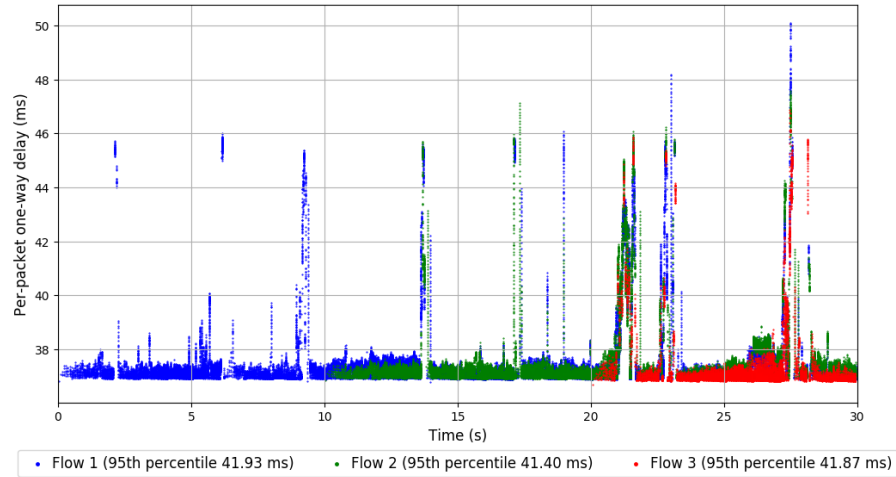
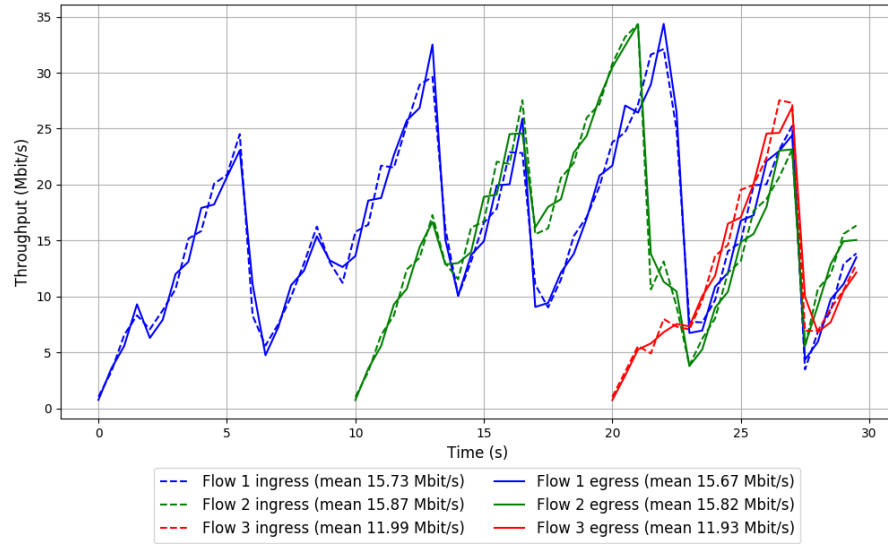


Run 5: Statistics of LEDBAT

Start at: 2018-04-10 19:50:52
End at: 2018-04-10 19:51:22
Local clock offset: -0.204 ms
Remote clock offset: -4.247 ms

Below is generated by plot.py at 2018-04-11 03:03:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 41.737 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 41.932 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 41.402 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 41.867 ms
Loss rate: 1.12%

Run 5: Report of LEDBAT — Data Link

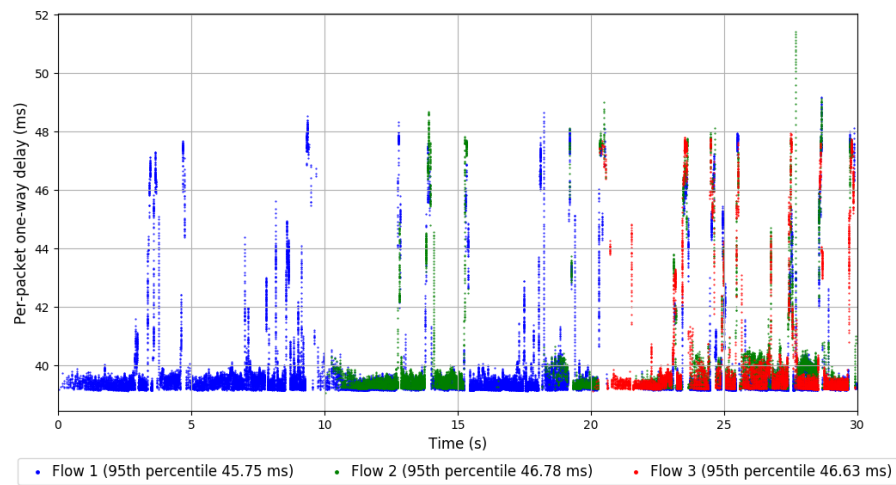
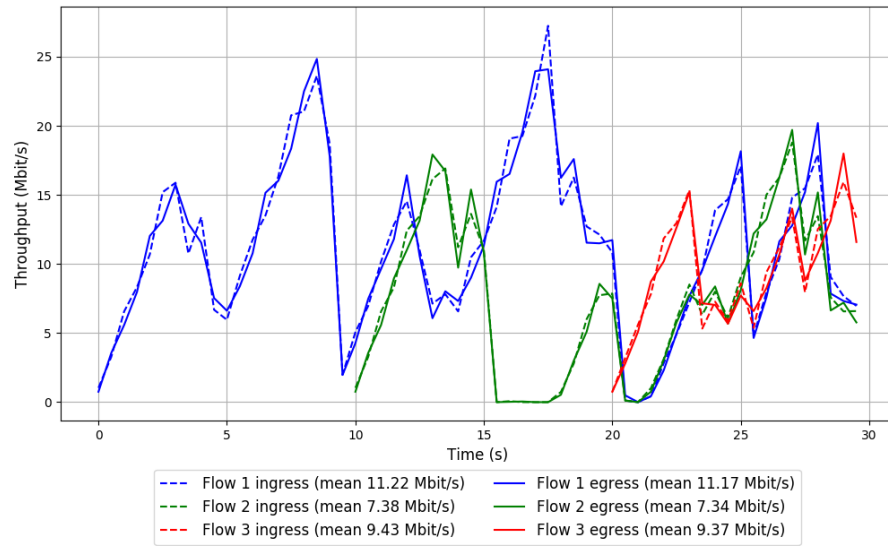


Run 6: Statistics of LEDBAT

Start at: 2018-04-10 20:16:17
End at: 2018-04-10 20:16:47
Local clock offset: 0.442 ms
Remote clock offset: -3.484 ms

Below is generated by plot.py at 2018-04-11 03:03:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.14 Mbit/s
95th percentile per-packet one-way delay: 46.289 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 11.17 Mbit/s
95th percentile per-packet one-way delay: 45.747 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 46.785 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 46.633 ms
Loss rate: 1.25%

Run 6: Report of LEDBAT — Data Link

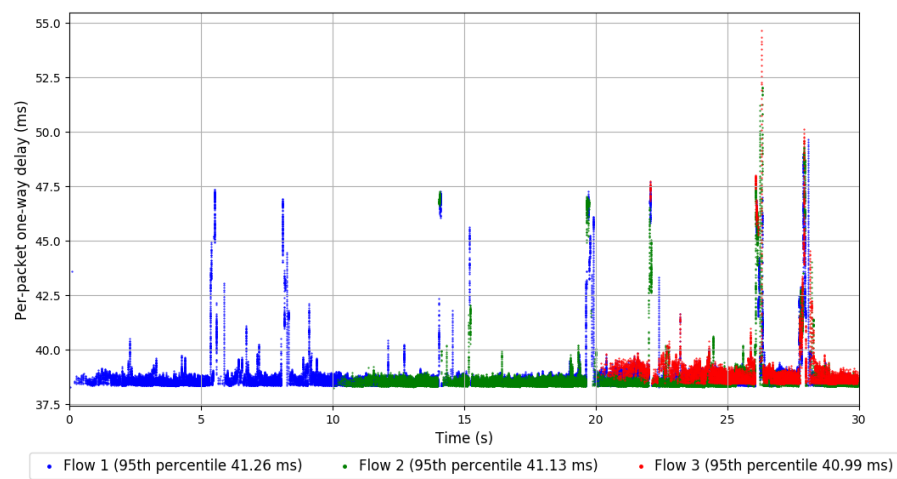
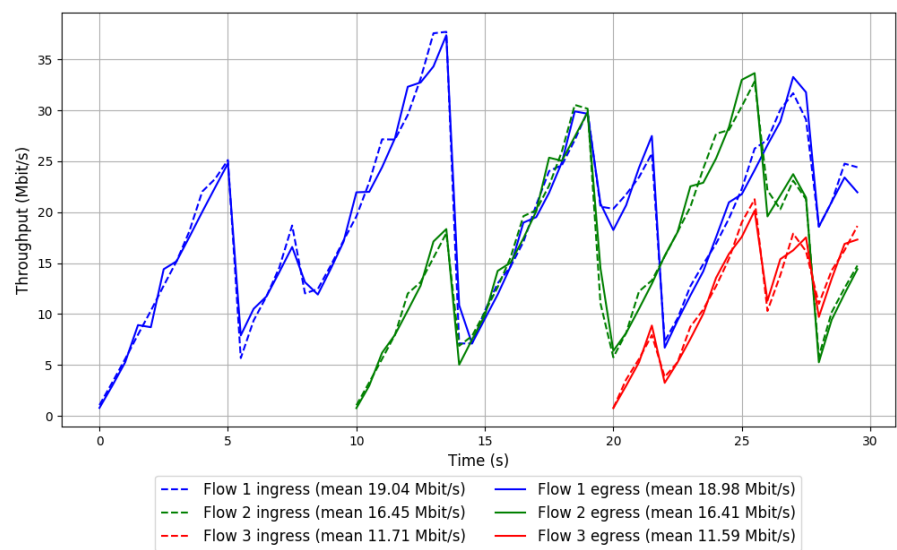


Run 7: Statistics of LEDBAT

Start at: 2018-04-10 20:42:09
End at: 2018-04-10 20:42:39
Local clock offset: 0.346 ms
Remote clock offset: -3.035 ms

Below is generated by plot.py at 2018-04-11 03:03:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.70 Mbit/s
95th percentile per-packet one-way delay: 41.181 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 18.98 Mbit/s
95th percentile per-packet one-way delay: 41.257 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 16.41 Mbit/s
95th percentile per-packet one-way delay: 41.133 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 40.989 ms
Loss rate: 1.70%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-10 21:07:57

End at: 2018-04-10 21:08:27

Local clock offset: -0.104 ms

Remote clock offset: -3.47 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.88 Mbit/s

95th percentile per-packet one-way delay: 42.102 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 15.70 Mbit/s

95th percentile per-packet one-way delay: 41.115 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 16.56 Mbit/s

95th percentile per-packet one-way delay: 42.030 ms

Loss rate: 0.52%

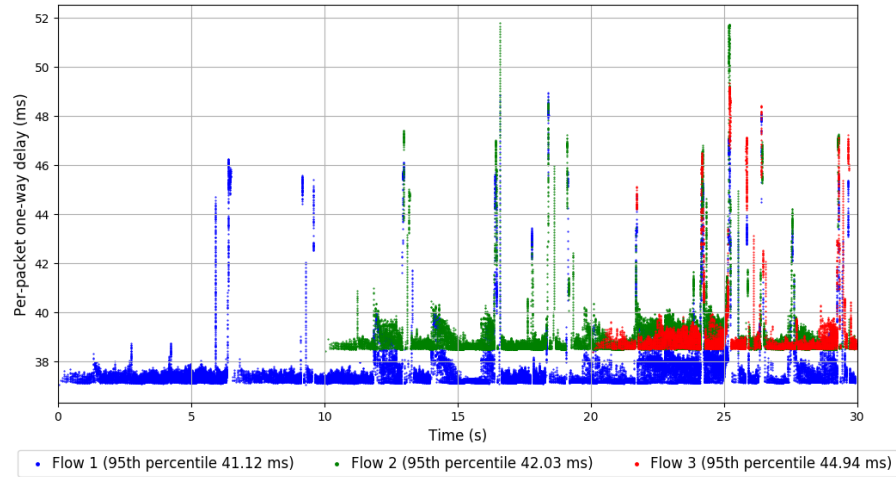
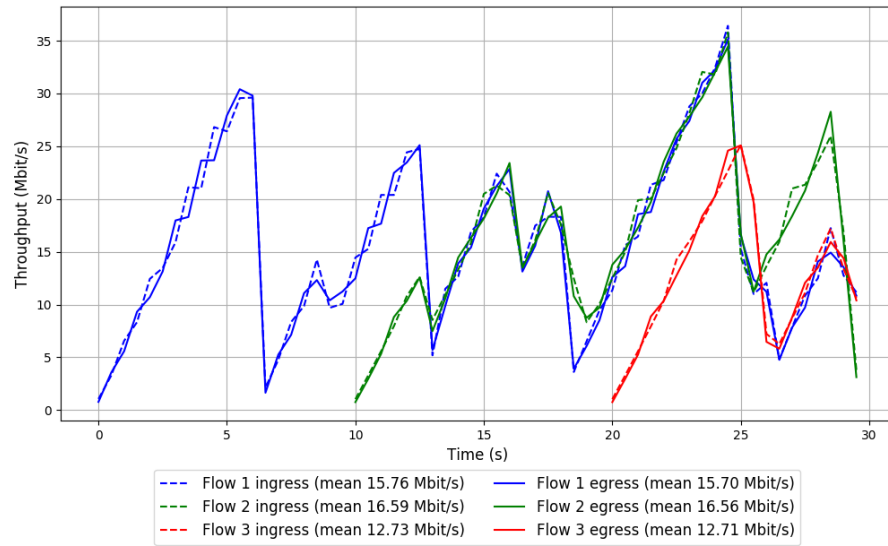
-- Flow 3:

Average throughput: 12.71 Mbit/s

95th percentile per-packet one-way delay: 44.938 ms

Loss rate: 0.84%

Run 8: Report of LEDBAT — Data Link

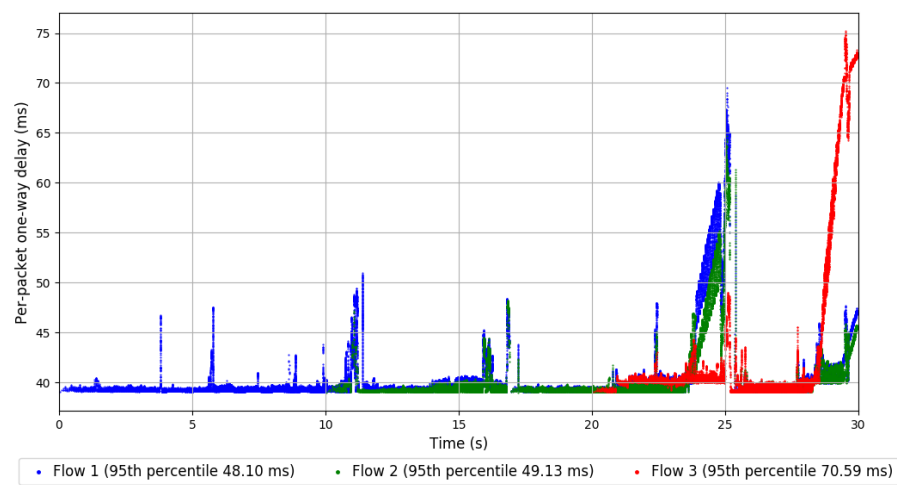
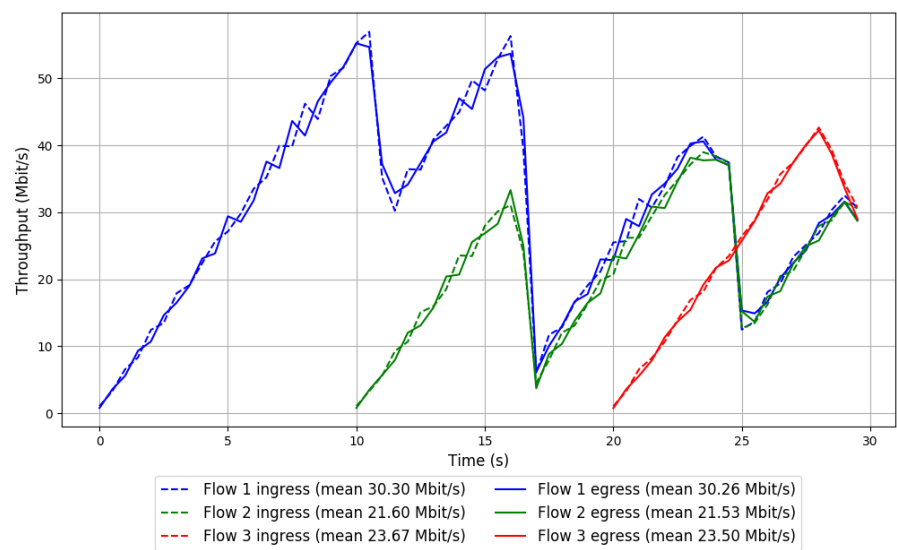


Run 9: Statistics of LEDBAT

Start at: 2018-04-10 21:34:01
End at: 2018-04-10 21:34:31
Local clock offset: -0.338 ms
Remote clock offset: -5.706 ms

Below is generated by plot.py at 2018-04-11 03:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 51.986 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 48.099 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 49.132 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 70.590 ms
Loss rate: 1.39%

Run 9: Report of LEDBAT — Data Link

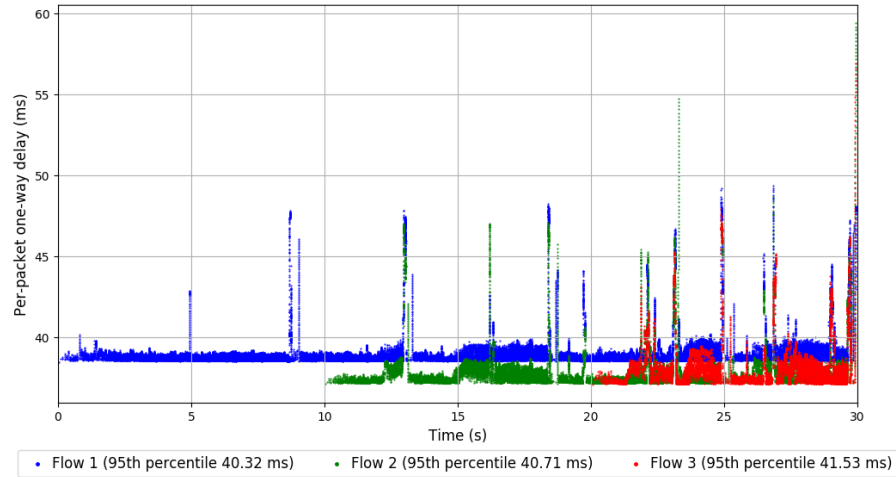
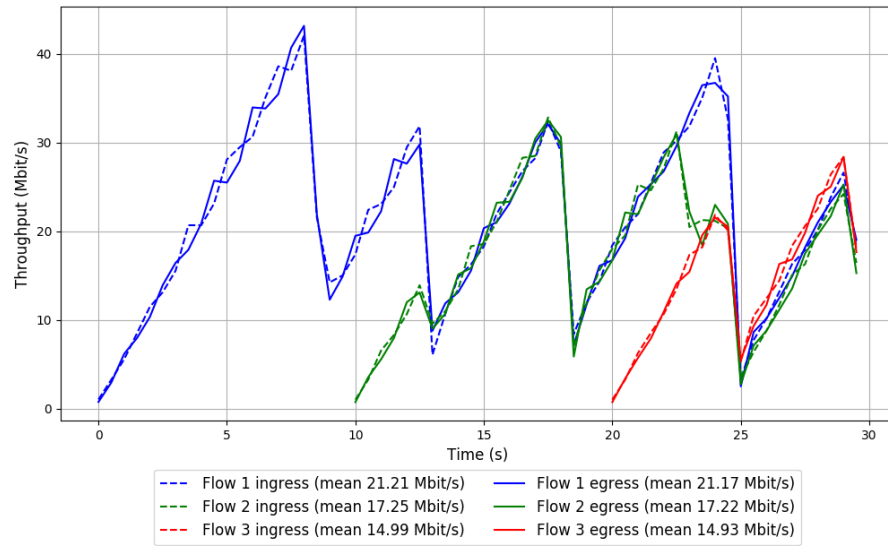


Run 10: Statistics of LEDBAT

Start at: 2018-04-10 21:58:58
End at: 2018-04-10 21:59:28
Local clock offset: 0.604 ms
Remote clock offset: -1.546 ms

Below is generated by plot.py at 2018-04-11 03:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 40.658 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 21.17 Mbit/s
95th percentile per-packet one-way delay: 40.318 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 17.22 Mbit/s
95th percentile per-packet one-way delay: 40.711 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 41.535 ms
Loss rate: 1.09%

Run 10: Report of LEDBAT — Data Link

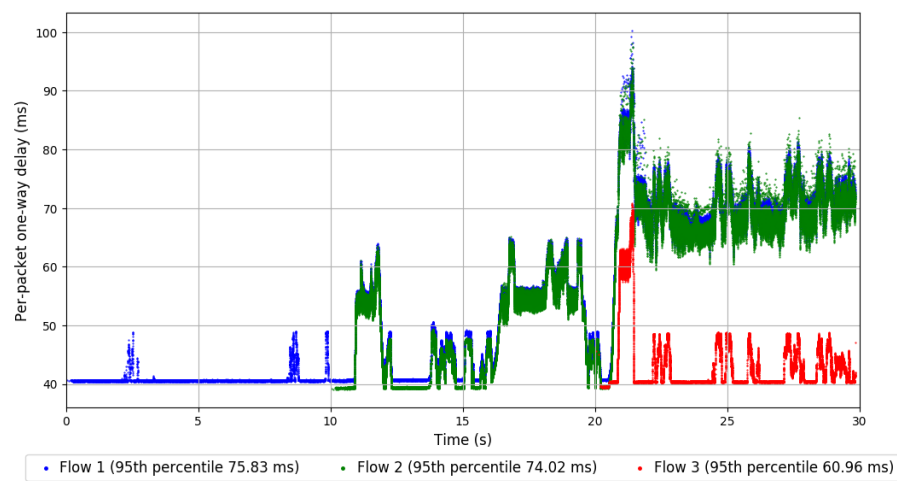
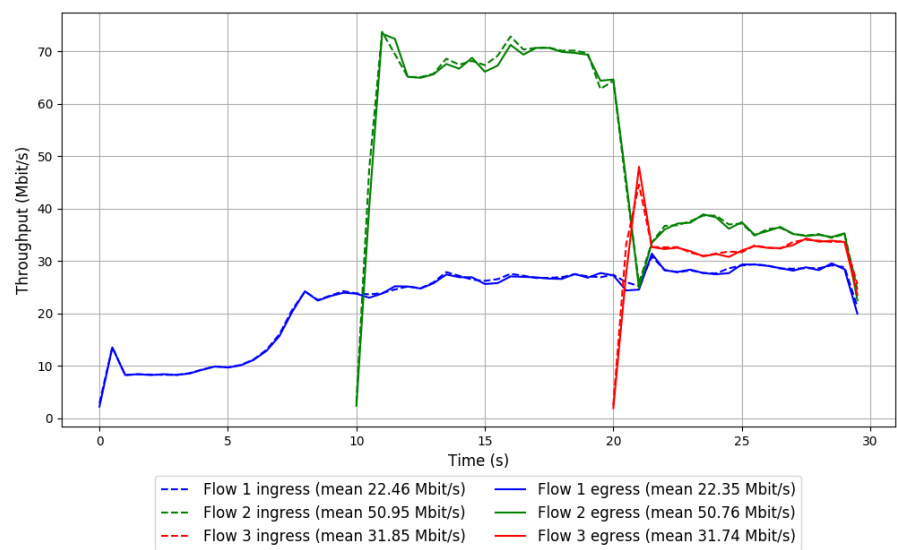


Run 1: Statistics of PCC

Start at: 2018-04-10 18:15:49
End at: 2018-04-10 18:16:19
Local clock offset: 0.969 ms
Remote clock offset: -4.405 ms

Below is generated by plot.py at 2018-04-11 03:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.50 Mbit/s
95th percentile per-packet one-way delay: 74.295 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 75.828 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 74.021 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 60.963 ms
Loss rate: 1.01%

Run 1: Report of PCC — Data Link

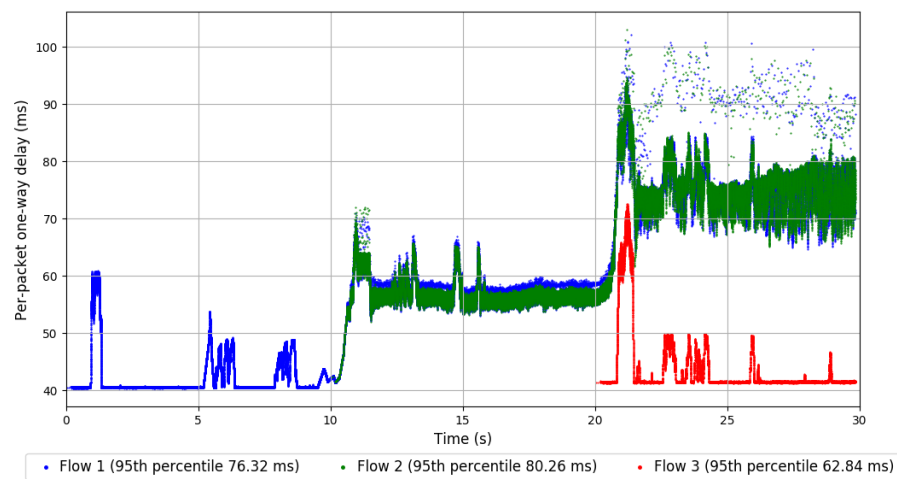
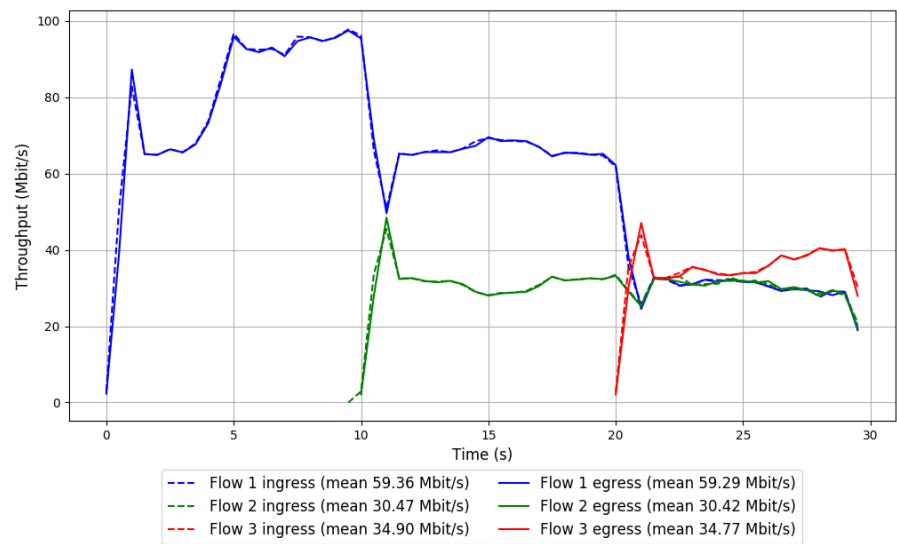


Run 2: Statistics of PCC

Start at: 2018-04-10 18:41:25
End at: 2018-04-10 18:41:55
Local clock offset: -0.126 ms
Remote clock offset: -2.348 ms

Below is generated by plot.py at 2018-04-11 03:04:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 77.272 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 76.316 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 80.261 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 62.845 ms
Loss rate: 1.06%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-04-10 19:06:36

End at: 2018-04-10 19:07:06

Local clock offset: -0.174 ms

Remote clock offset: 0.316 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 60.647 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 59.91 Mbit/s

95th percentile per-packet one-way delay: 57.286 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 41.54 Mbit/s

95th percentile per-packet one-way delay: 63.204 ms

Loss rate: 0.97%

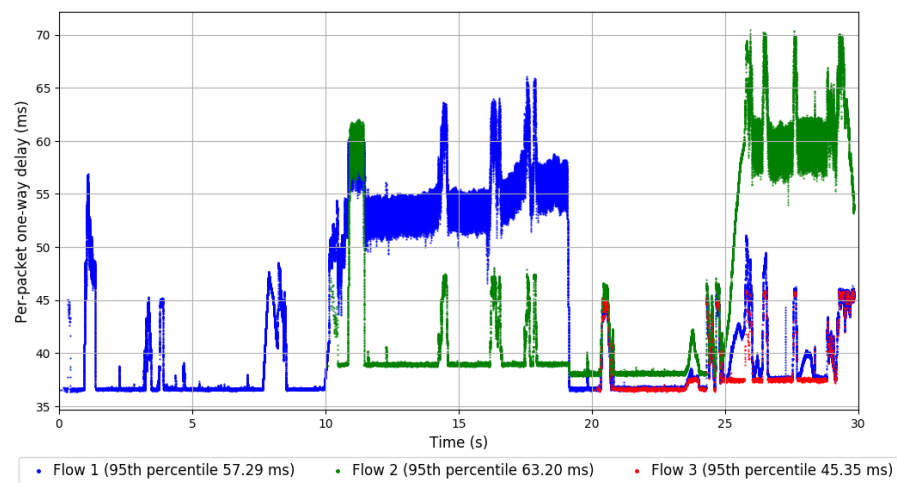
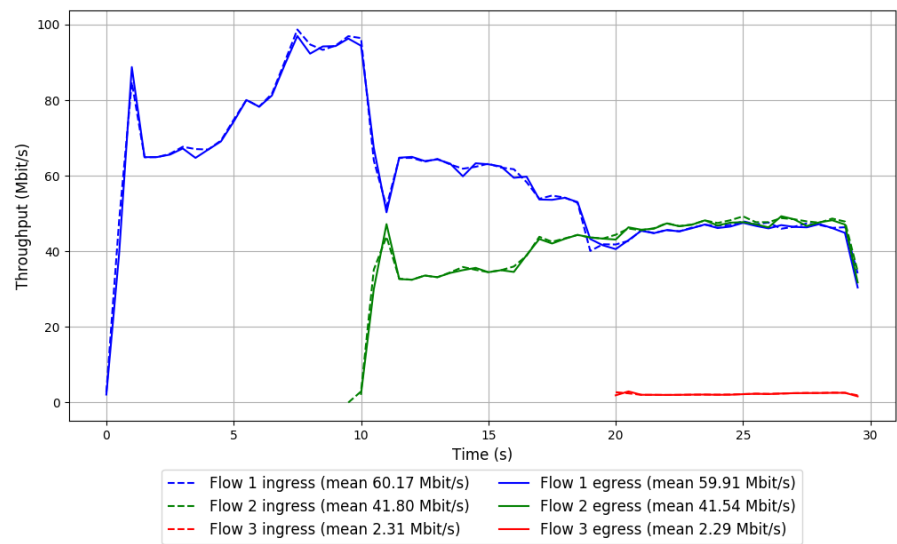
-- Flow 3:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 45.352 ms

Loss rate: 1.73%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-04-10 19:31:29

End at: 2018-04-10 19:31:59

Local clock offset: -0.108 ms

Remote clock offset: -2.21 ms

Below is generated by plot.py at 2018-04-11 03:04:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 72.150 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 46.77 Mbit/s

95th percentile per-packet one-way delay: 70.168 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 33.68 Mbit/s

95th percentile per-packet one-way delay: 72.403 ms

Loss rate: 0.76%

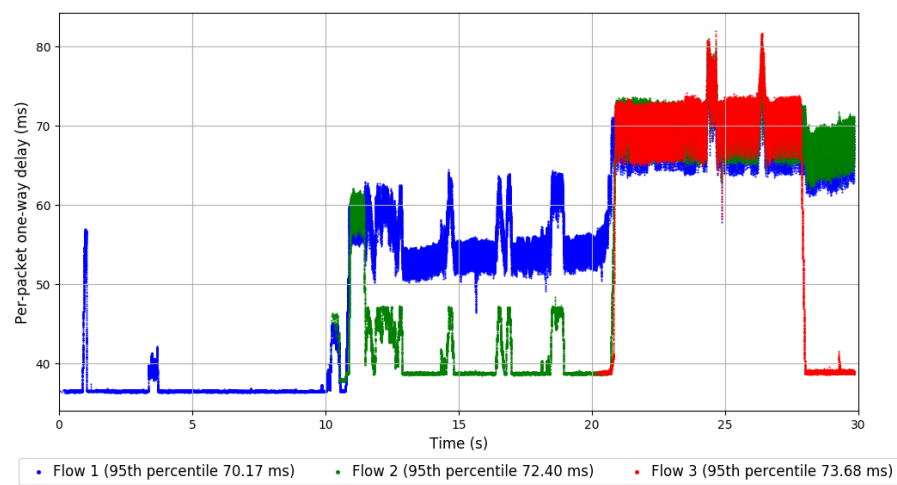
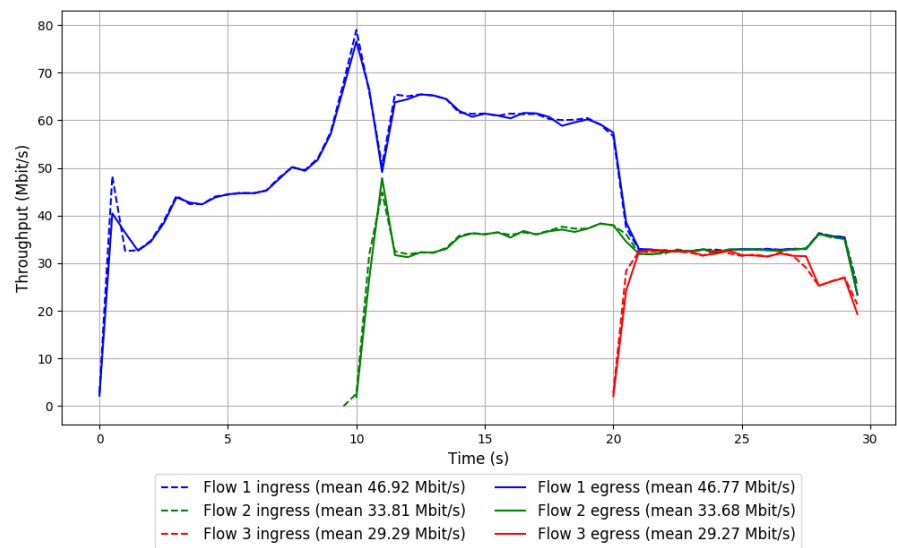
-- Flow 3:

Average throughput: 29.27 Mbit/s

95th percentile per-packet one-way delay: 73.678 ms

Loss rate: 0.77%

Run 4: Report of PCC — Data Link

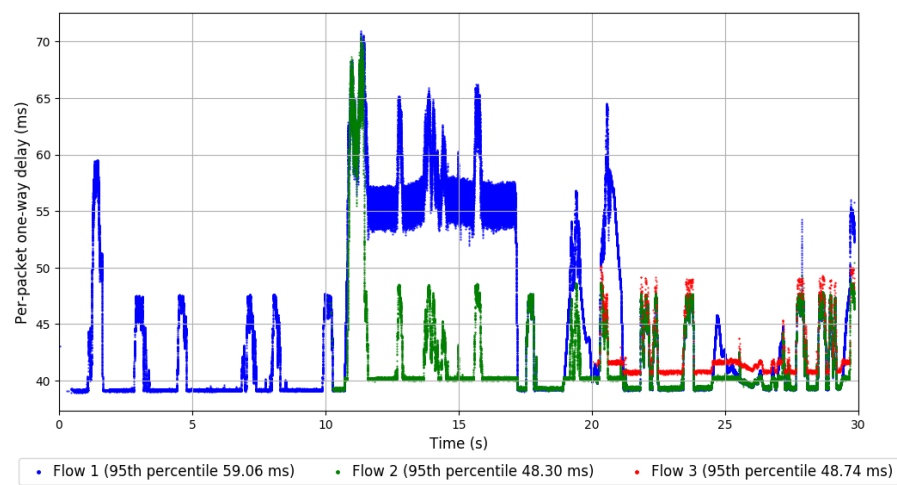
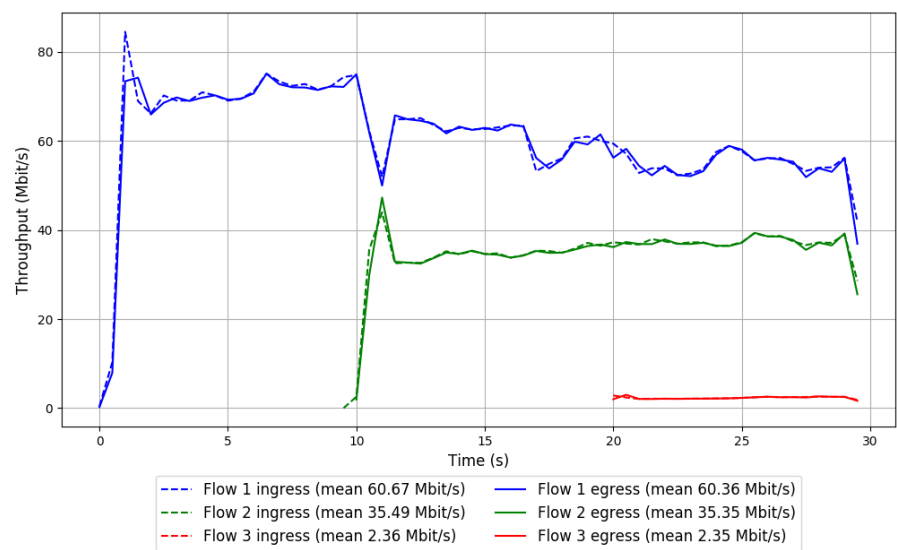


Run 5: Statistics of PCC

Start at: 2018-04-10 19:56:17
End at: 2018-04-10 19:56:47
Local clock offset: 0.087 ms
Remote clock offset: -5.386 ms

Below is generated by plot.py at 2018-04-11 03:05:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 58.560 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 59.061 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 35.35 Mbit/s
95th percentile per-packet one-way delay: 48.296 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 48.745 ms
Loss rate: 1.51%

Run 5: Report of PCC — Data Link

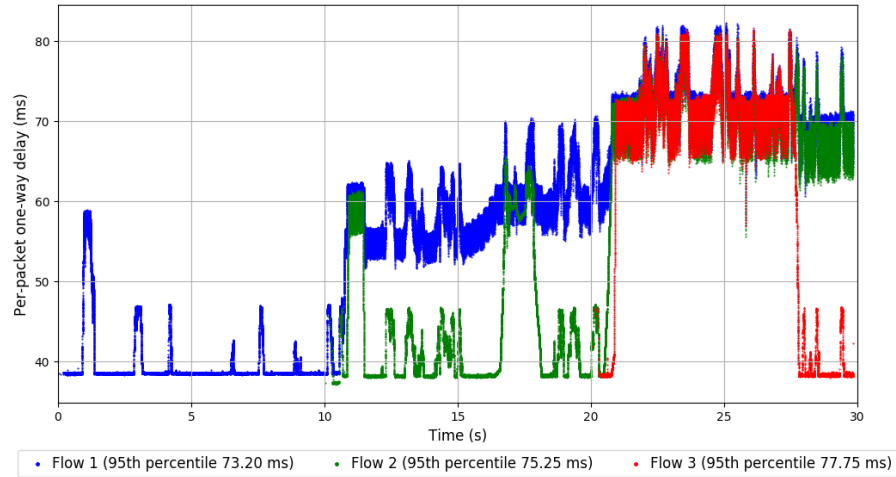
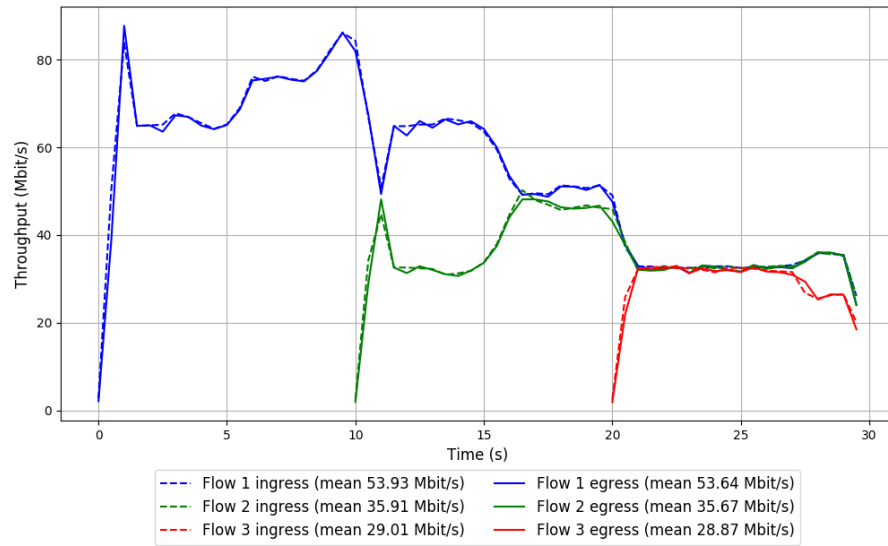


Run 6: Statistics of PCC

Start at: 2018-04-10 20:21:58
End at: 2018-04-10 20:22:28
Local clock offset: 0.516 ms
Remote clock offset: -1.444 ms

Below is generated by plot.py at 2018-04-11 03:05:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 74.860 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 73.196 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 75.245 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 77.746 ms
Loss rate: 1.13%

Run 6: Report of PCC — Data Link

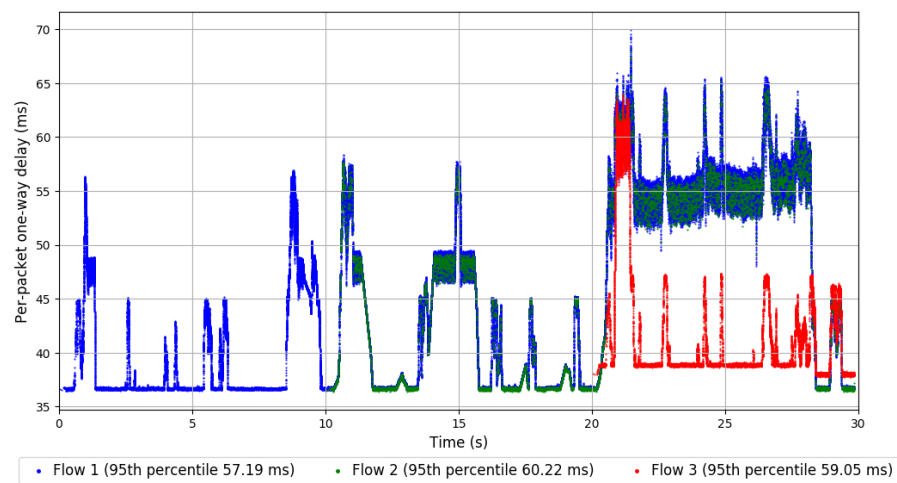
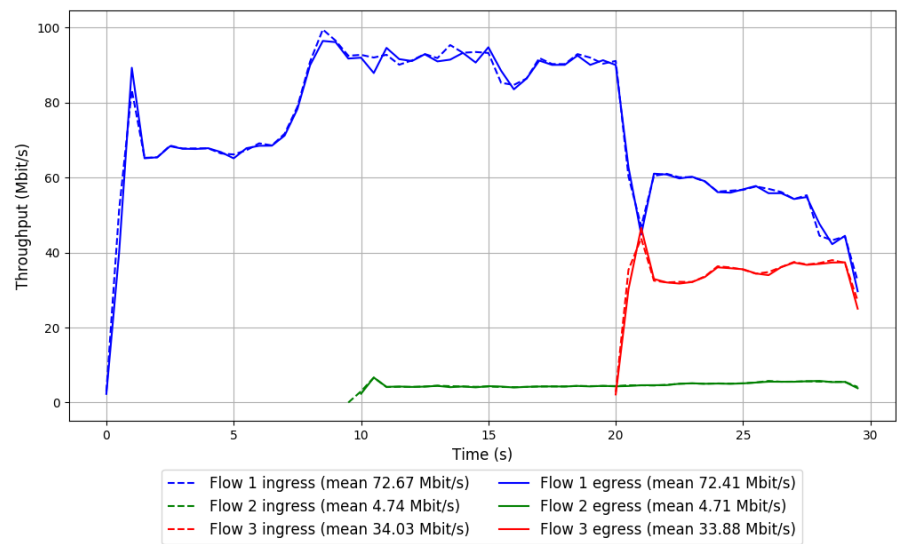


Run 7: Statistics of PCC

Start at: 2018-04-10 20:47:47
End at: 2018-04-10 20:48:17
Local clock offset: 0.181 ms
Remote clock offset: -2.895 ms

Below is generated by plot.py at 2018-04-11 03:05:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 57.479 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 72.41 Mbit/s
95th percentile per-packet one-way delay: 57.187 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 60.218 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 59.054 ms
Loss rate: 1.12%

Run 7: Report of PCC — Data Link

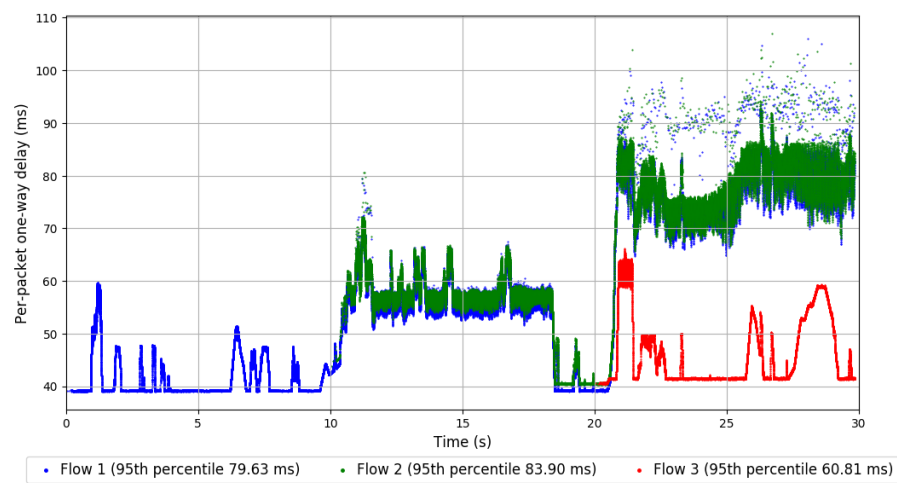
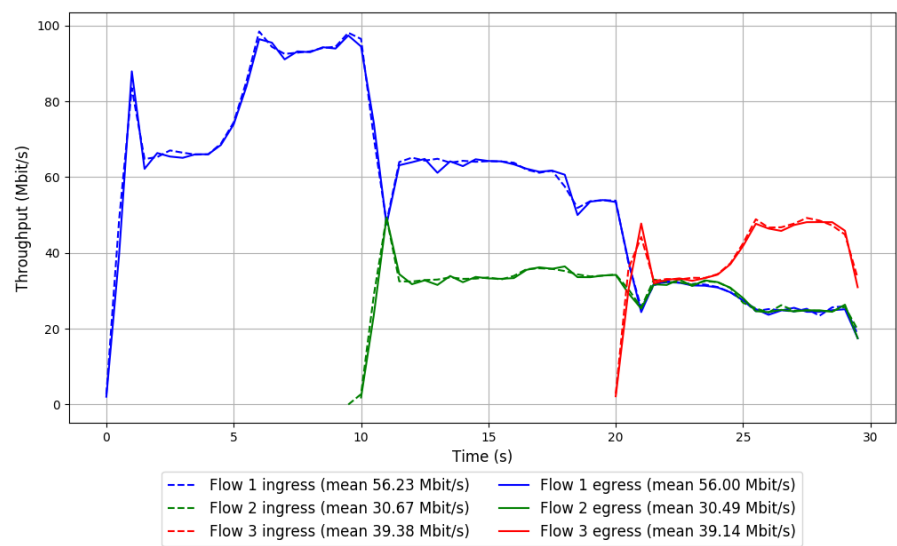


Run 8: Statistics of PCC

Start at: 2018-04-10 21:13:40
End at: 2018-04-10 21:14:10
Local clock offset: -0.222 ms
Remote clock offset: -5.548 ms

Below is generated by plot.py at 2018-04-11 03:05:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 81.022 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 79.634 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 30.49 Mbit/s
95th percentile per-packet one-way delay: 83.899 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 60.809 ms
Loss rate: 1.30%

Run 8: Report of PCC — Data Link

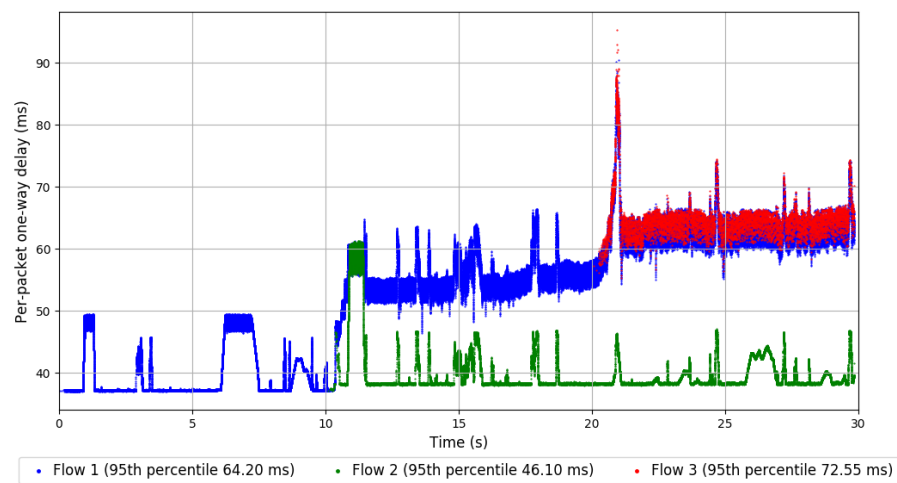
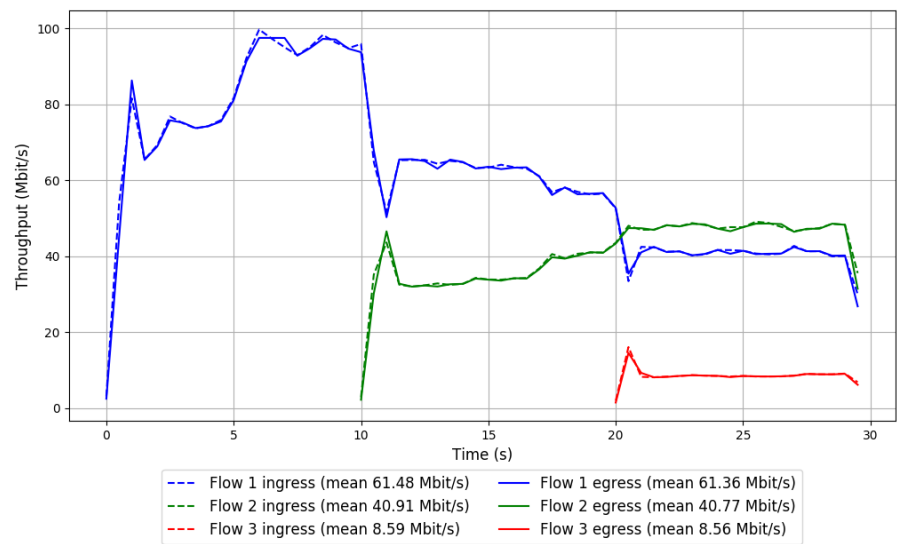


Run 9: Statistics of PCC

Start at: 2018-04-10 21:39:33
End at: 2018-04-10 21:40:03
Local clock offset: 0.075 ms
Remote clock offset: -2.853 ms

Below is generated by plot.py at 2018-04-11 03:05:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 64.201 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 46.102 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 72.552 ms
Loss rate: 1.21%

Run 9: Report of PCC — Data Link

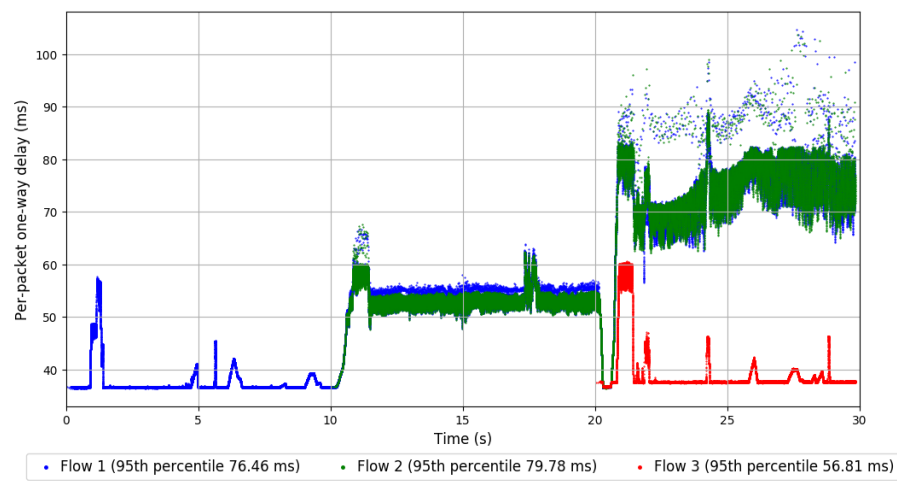
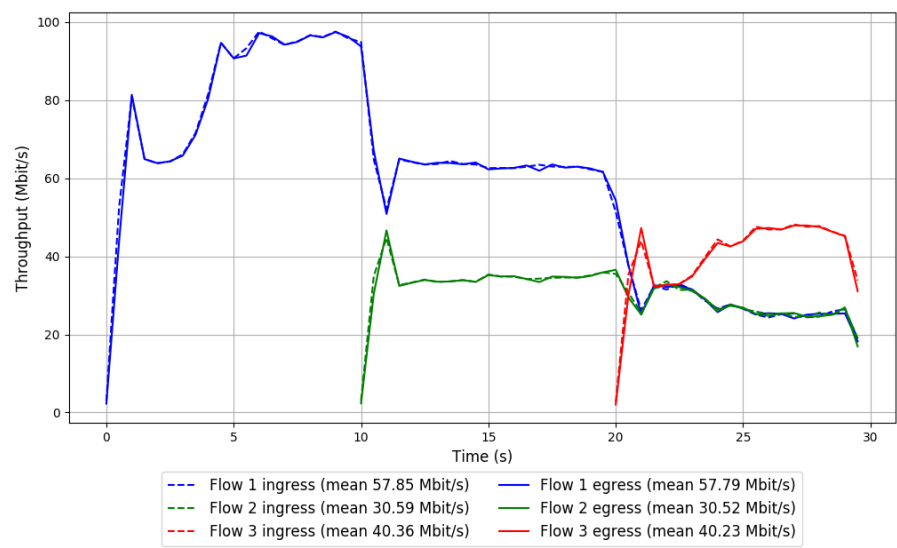


Run 10: Statistics of PCC

Start at: 2018-04-10 22:04:24
End at: 2018-04-10 22:04:54
Local clock offset: 0.67 ms
Remote clock offset: -0.987 ms

Below is generated by plot.py at 2018-04-11 03:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 77.424 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 57.79 Mbit/s
95th percentile per-packet one-way delay: 76.458 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 79.783 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 56.814 ms
Loss rate: 0.99%

Run 10: Report of PCC — Data Link

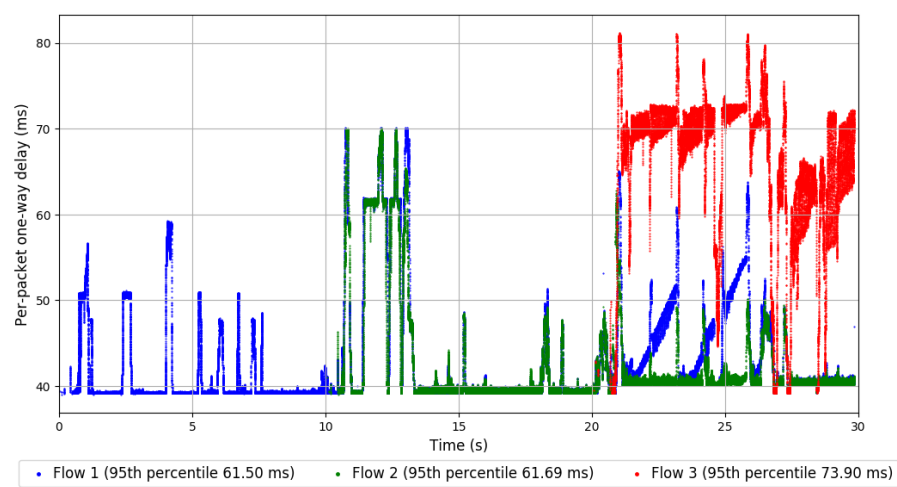
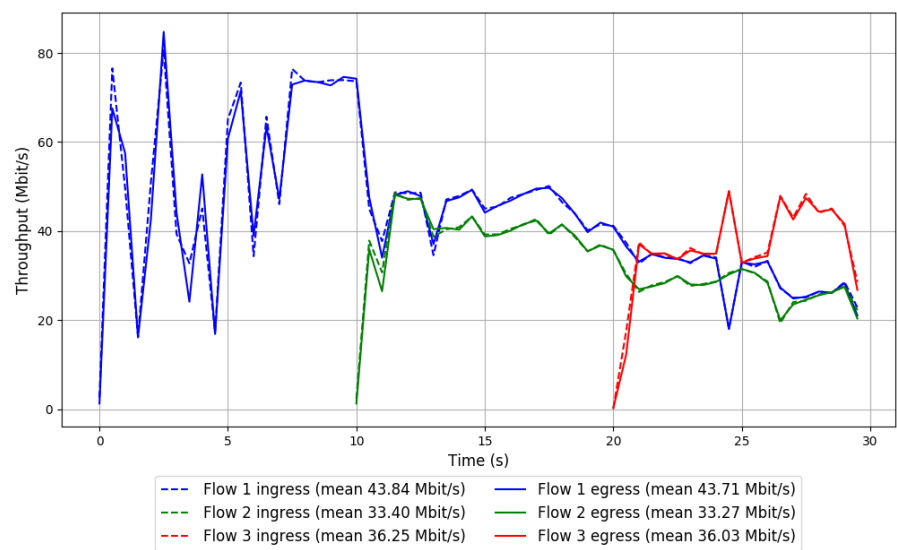


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-10 18:21:54
End at: 2018-04-10 18:22:24
Local clock offset: 0.471 ms
Remote clock offset: -3.636 ms

Below is generated by plot.py at 2018-04-11 03:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.62 Mbit/s
95th percentile per-packet one-way delay: 70.577 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 43.71 Mbit/s
95th percentile per-packet one-way delay: 61.501 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 61.685 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 73.899 ms
Loss rate: 1.34%

Run 1: Report of QUIC Cubic — Data Link

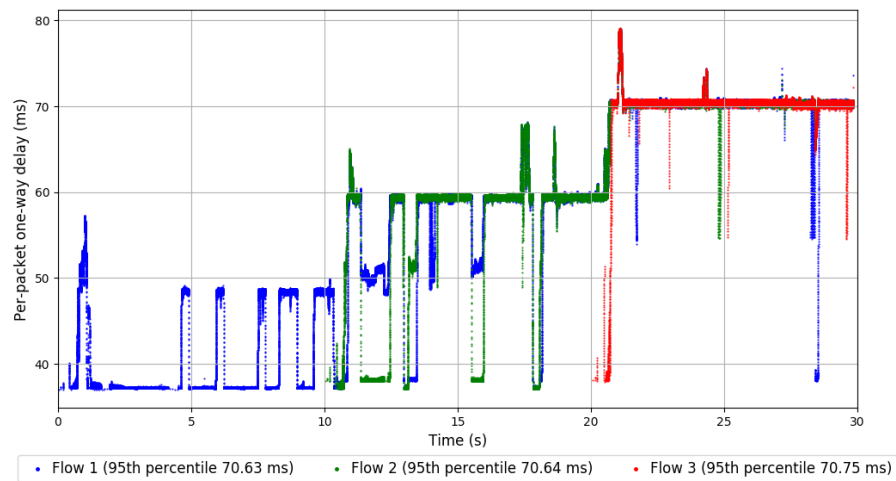
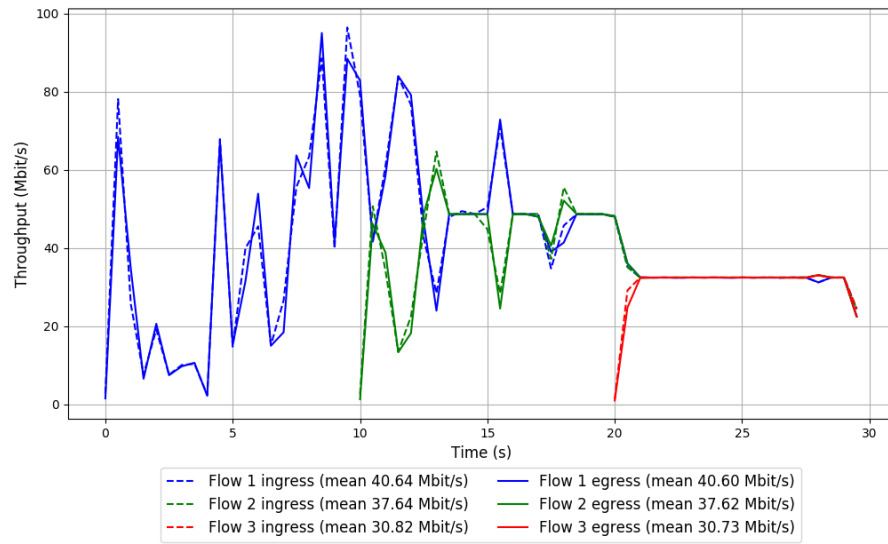


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-10 18:47:04
End at: 2018-04-10 18:47:34
Local clock offset: 0.039 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-04-11 03:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.66 Mbit/s
95th percentile per-packet one-way delay: 70.666 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 70.633 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 37.62 Mbit/s
95th percentile per-packet one-way delay: 70.642 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 70.752 ms
Loss rate: 1.11%

Run 2: Report of QUIC Cubic — Data Link

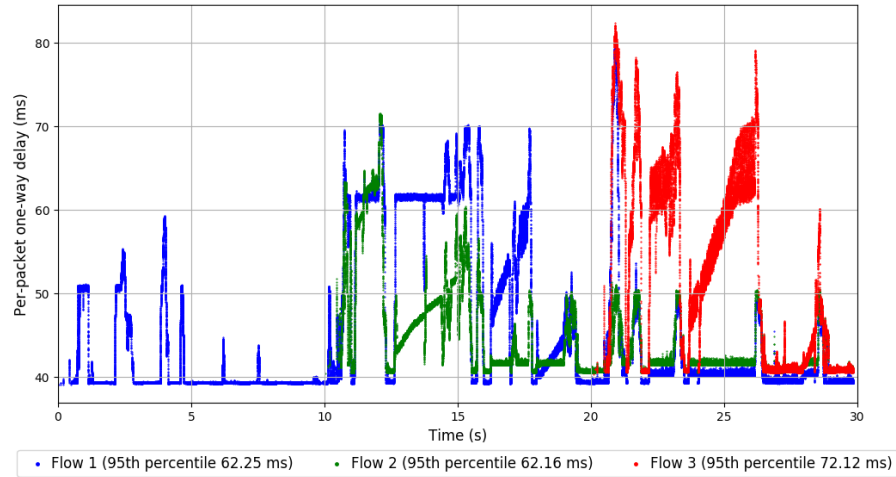
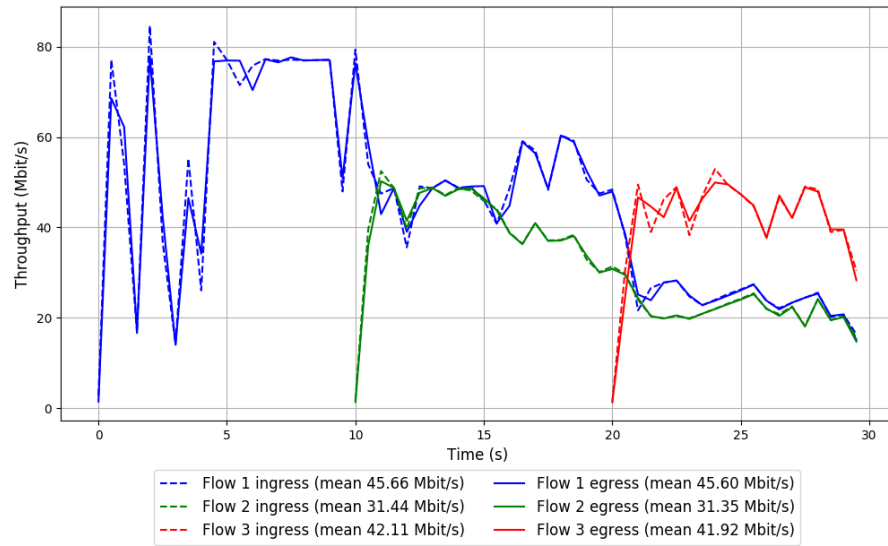


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-10 19:12:25
End at: 2018-04-10 19:12:55
Local clock offset: -0.208 ms
Remote clock offset: -2.394 ms

Below is generated by plot.py at 2018-04-11 03:06:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.15 Mbit/s
95th percentile per-packet one-way delay: 64.852 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 62.250 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 62.160 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 72.116 ms
Loss rate: 1.13%

Run 3: Report of QUIC Cubic — Data Link

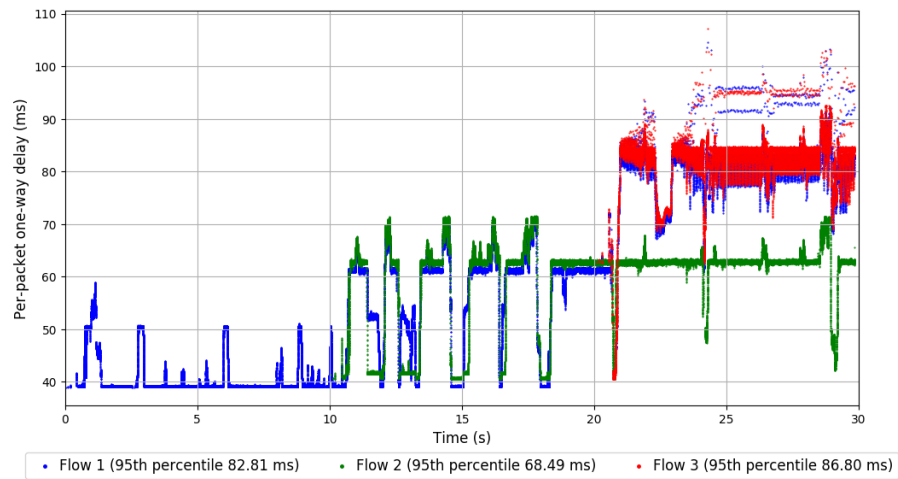
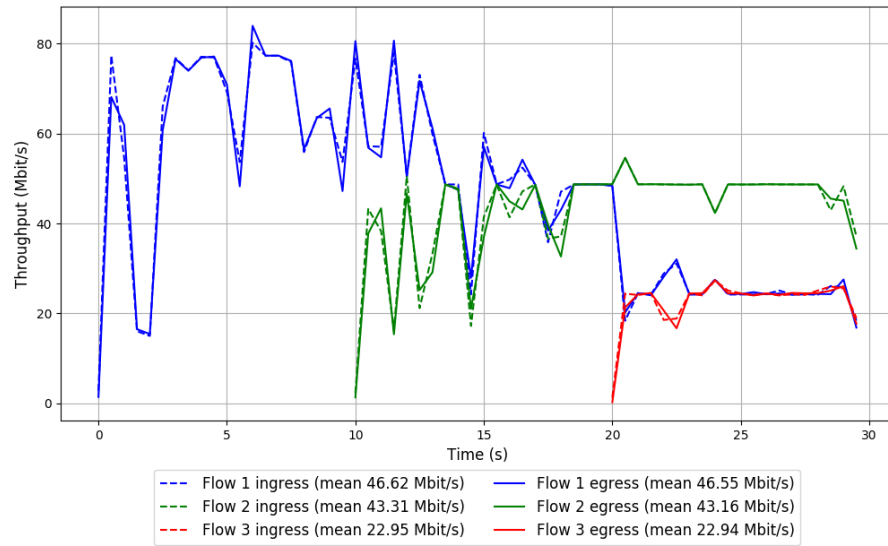


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-10 19:37:09
End at: 2018-04-10 19:37:39
Local clock offset: -0.051 ms
Remote clock offset: -5.293 ms

Below is generated by plot.py at 2018-04-11 03:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.72 Mbit/s
95th percentile per-packet one-way delay: 83.827 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 82.806 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 68.488 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 86.800 ms
Loss rate: 1.26%

Run 4: Report of QUIC Cubic — Data Link

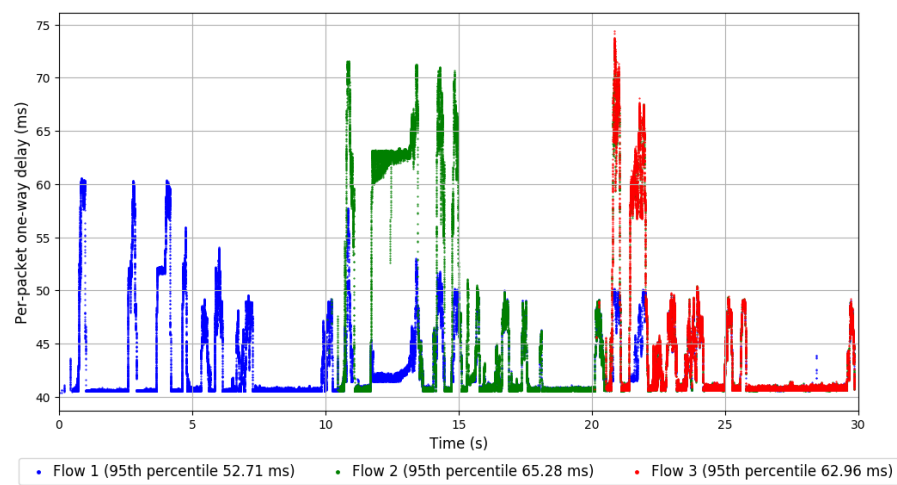
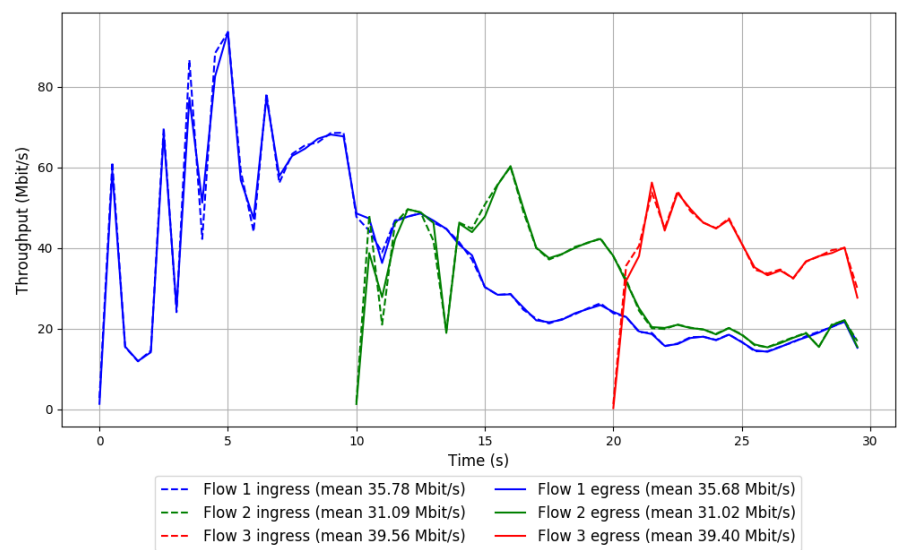


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-10 20:02:10
End at: 2018-04-10 20:02:40
Local clock offset: 0.229 ms
Remote clock offset: -4.391 ms

Below is generated by plot.py at 2018-04-11 03:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 62.781 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 52.710 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 65.276 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 62.959 ms
Loss rate: 1.10%

Run 5: Report of QUIC Cubic — Data Link

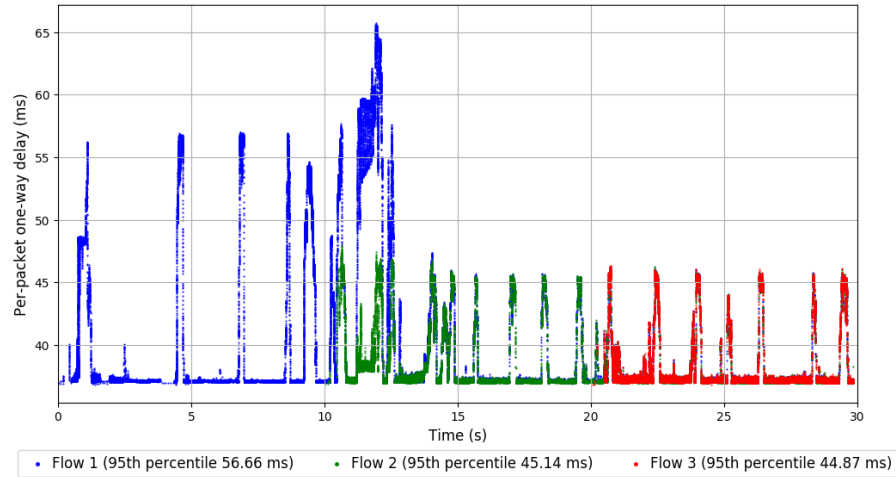
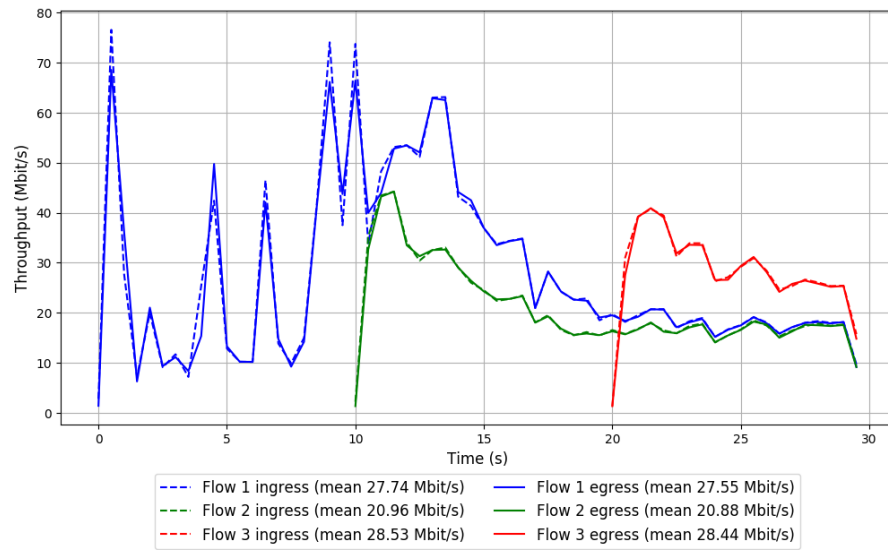


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-10 20:28:03
End at: 2018-04-10 20:28:33
Local clock offset: 0.478 ms
Remote clock offset: -1.664 ms

Below is generated by plot.py at 2018-04-11 03:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.75 Mbit/s
95th percentile per-packet one-way delay: 55.026 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 56.656 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 45.138 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 44.872 ms
Loss rate: 1.00%

Run 6: Report of QUIC Cubic — Data Link

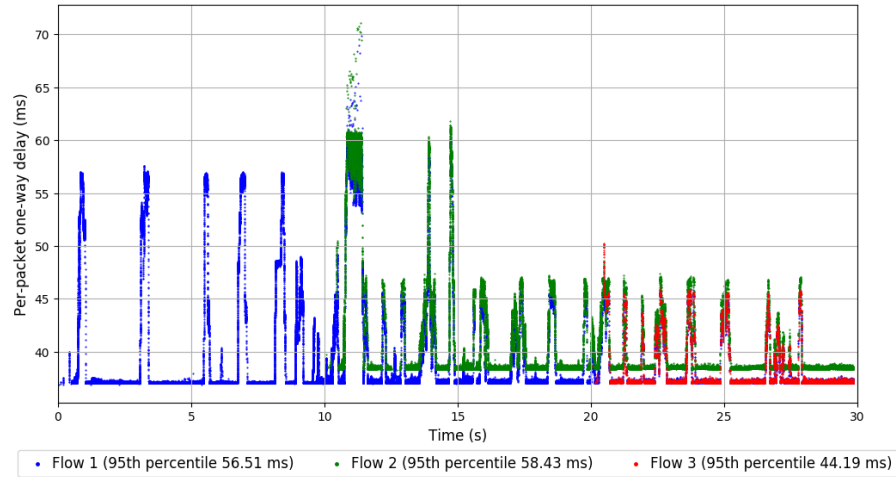
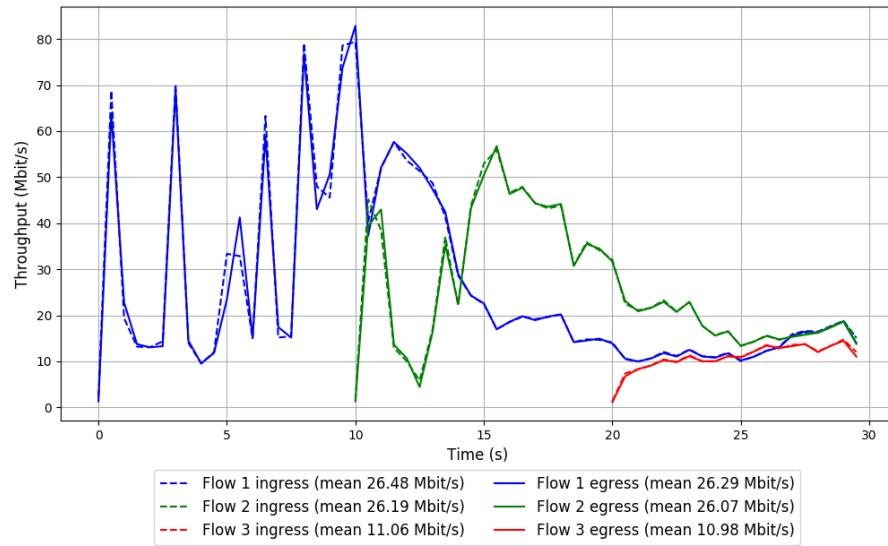


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-10 20:53:52
End at: 2018-04-10 20:54:22
Local clock offset: 0.027 ms
Remote clock offset: -3.547 ms

Below is generated by plot.py at 2018-04-11 03:06:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 56.571 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 56.510 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 26.07 Mbit/s
95th percentile per-packet one-way delay: 58.434 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 44.191 ms
Loss rate: 1.41%

Run 7: Report of QUIC Cubic — Data Link

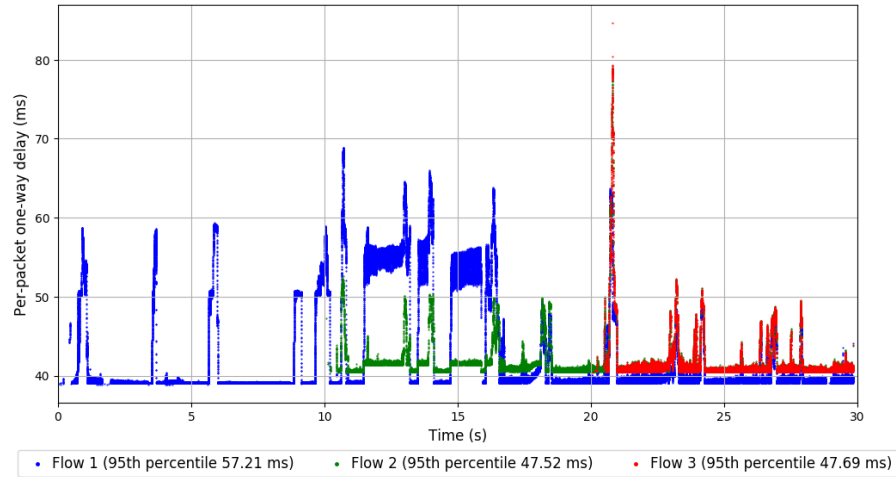
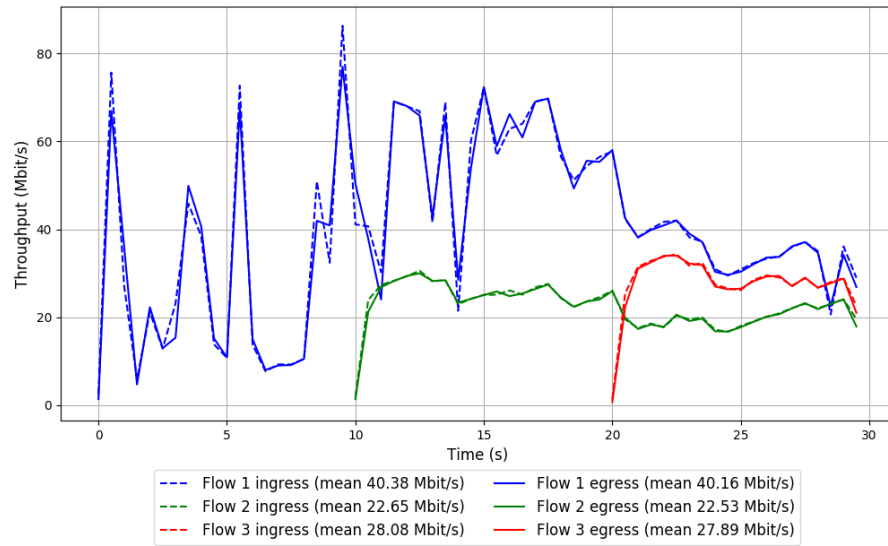


Run 8: Statistics of QUIC Cubic

Start at: 2018-04-10 21:19:36
End at: 2018-04-10 21:20:06
Local clock offset: -0.267 ms
Remote clock offset: -5.514 ms

Below is generated by plot.py at 2018-04-11 03:07:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.25 Mbit/s
95th percentile per-packet one-way delay: 56.191 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 57.211 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 47.525 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 47.692 ms
Loss rate: 1.32%

Run 8: Report of QUIC Cubic — Data Link

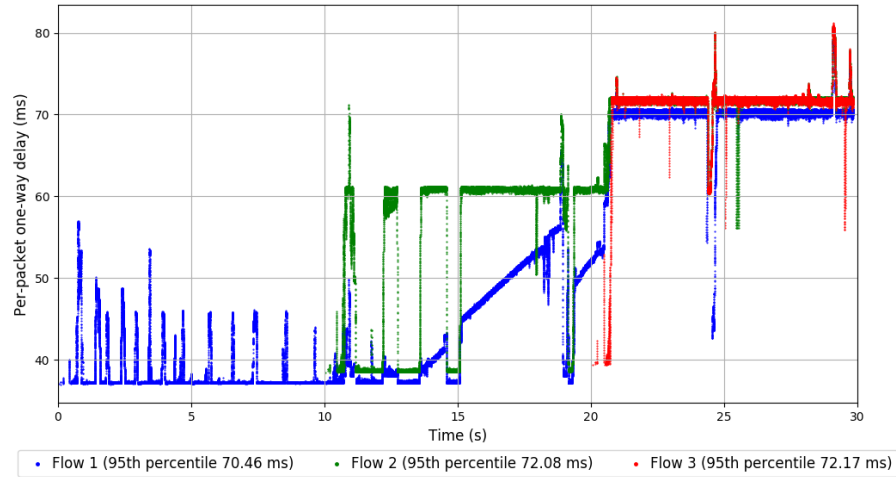
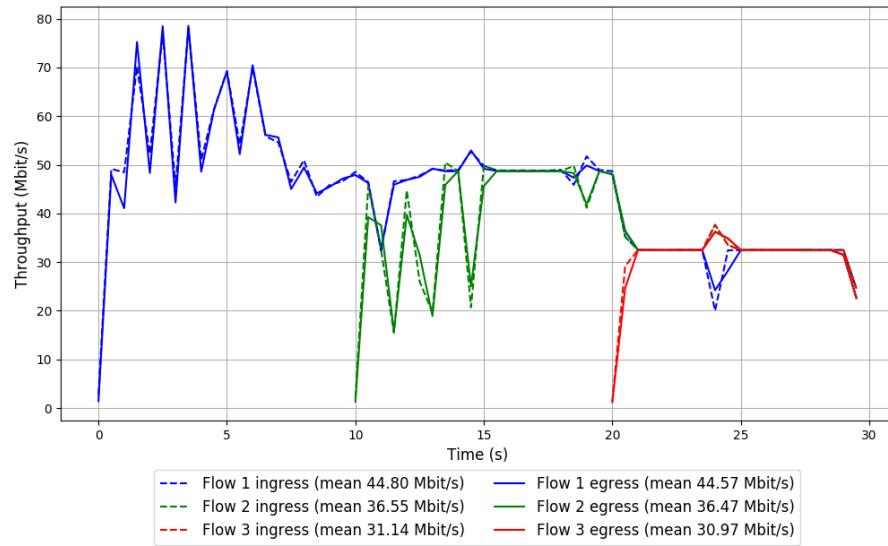


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-10 21:45:12
End at: 2018-04-10 21:45:42
Local clock offset: 0.329 ms
Remote clock offset: -2.238 ms

Below is generated by plot.py at 2018-04-11 03:07:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 72.049 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 70.460 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 72.084 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 72.168 ms
Loss rate: 1.23%

Run 9: Report of QUIC Cubic — Data Link

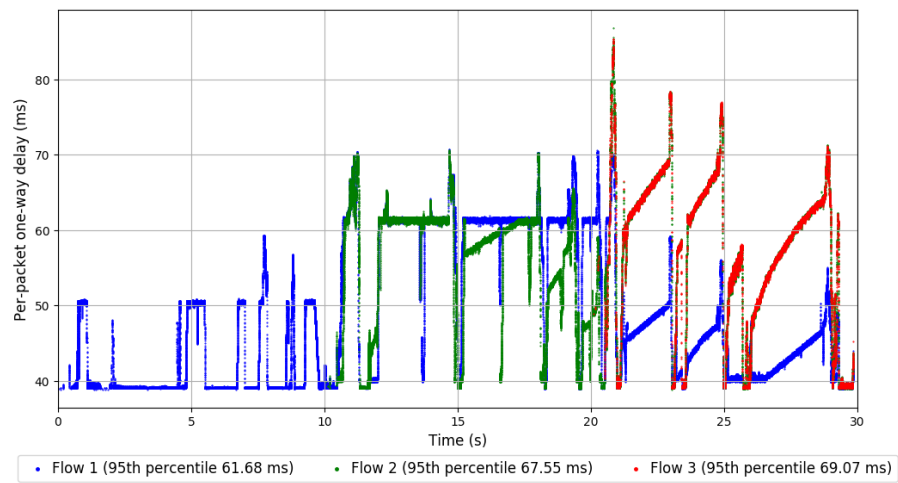
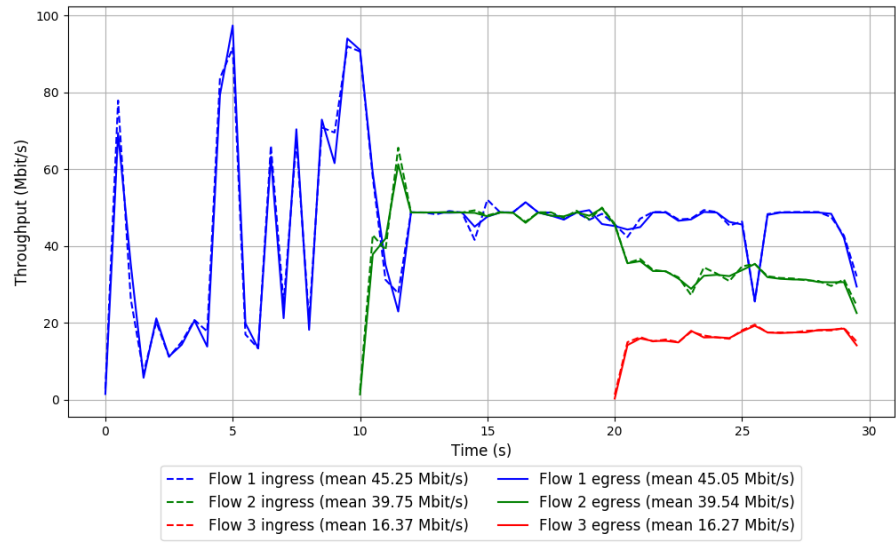


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-10 22:10:04
End at: 2018-04-10 22:10:34
Local clock offset: 0.588 ms
Remote clock offset: -3.638 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.63 Mbit/s
95th percentile per-packet one-way delay: 66.179 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 61.682 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 67.548 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 69.070 ms
Loss rate: 1.39%

Run 10: Report of QUIC Cubic — Data Link

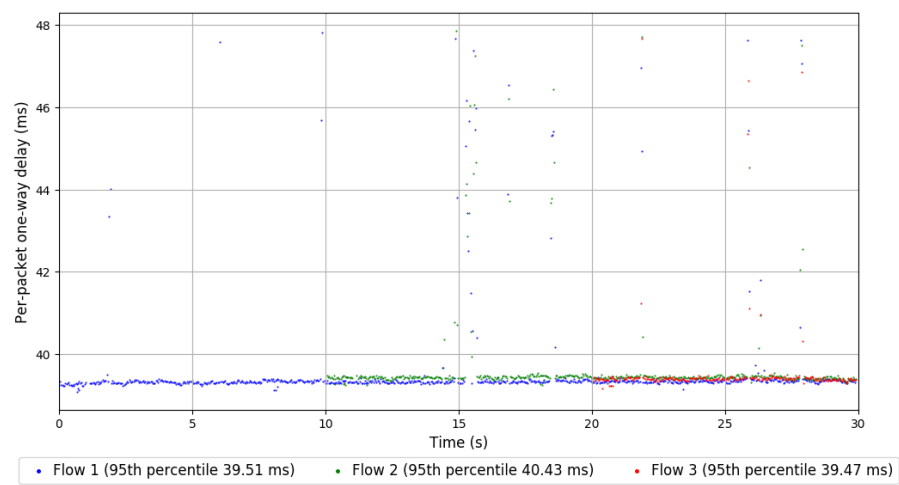
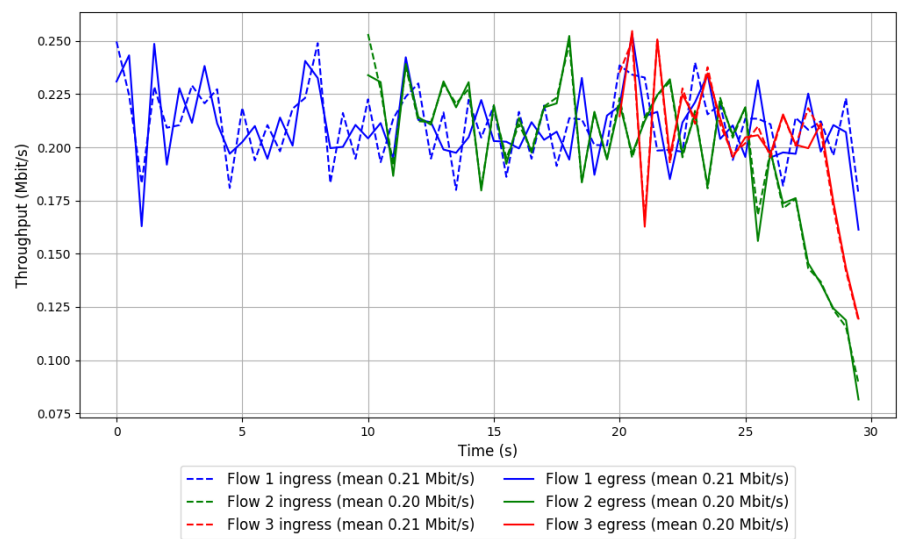


Run 1: Statistics of SReAM

Start at: 2018-04-10 18:24:53
End at: 2018-04-10 18:25:23
Local clock offset: 0.455 ms
Remote clock offset: -3.334 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 39.551 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.506 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 40.429 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 39.472 ms
Loss rate: 0.66%

Run 1: Report of SReAM — Data Link

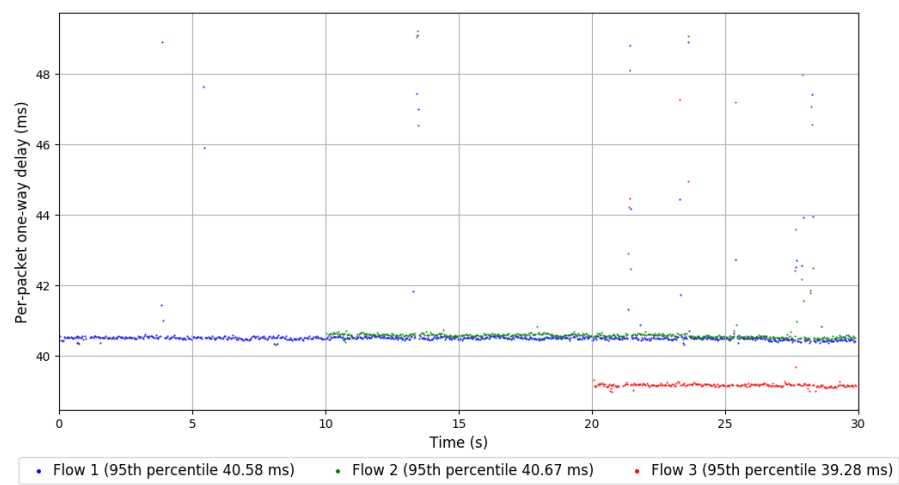
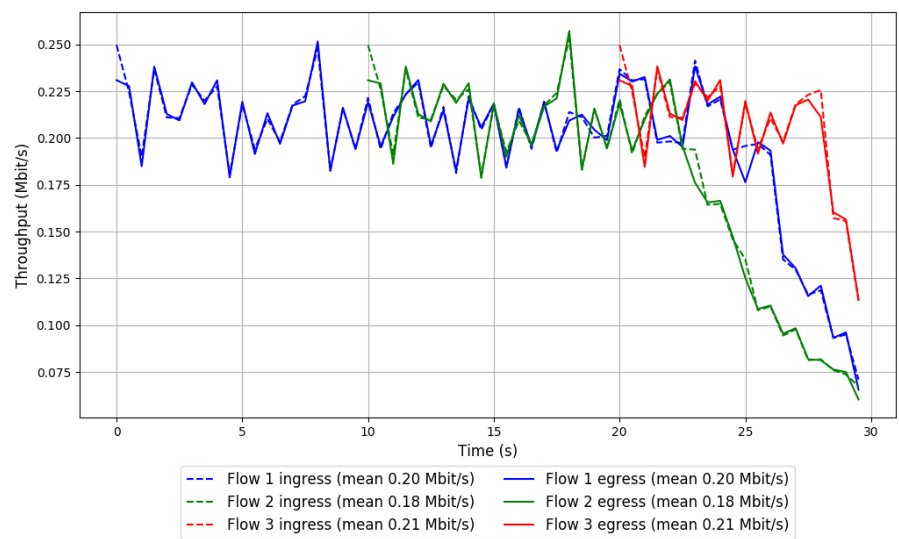


Run 2: Statistics of SCReAM

Start at: 2018-04-10 18:49:51
End at: 2018-04-10 18:50:21
Local clock offset: 0.095 ms
Remote clock offset: -2.049 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 40.653 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 40.580 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 40.667 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.280 ms
Loss rate: 0.73%

Run 2: Report of SReAM — Data Link

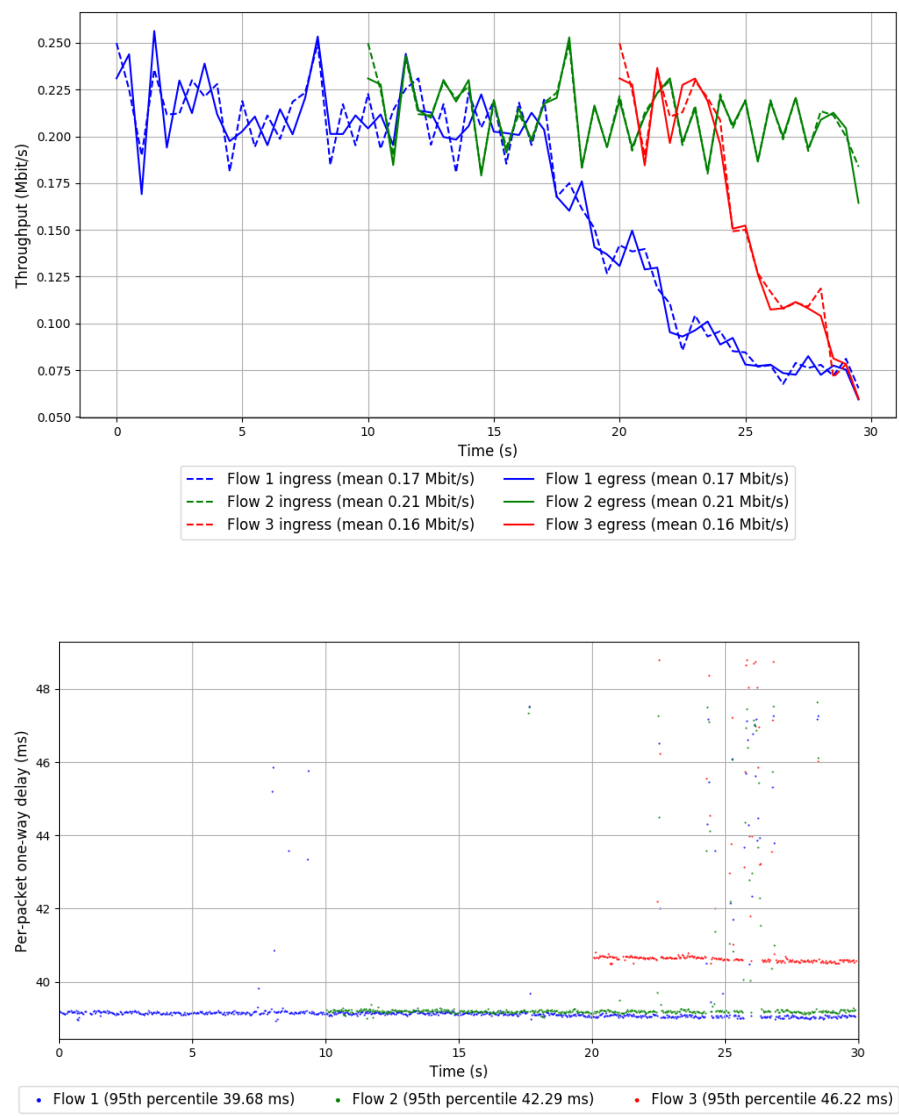


Run 3: Statistics of SReAM

Start at: 2018-04-10 19:15:12
End at: 2018-04-10 19:15:42
Local clock offset: -0.229 ms
Remote clock offset: -2.352 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 43.208 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 39.683 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 42.294 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 46.220 ms
Loss rate: 1.36%

Run 3: Report of SReAM — Data Link

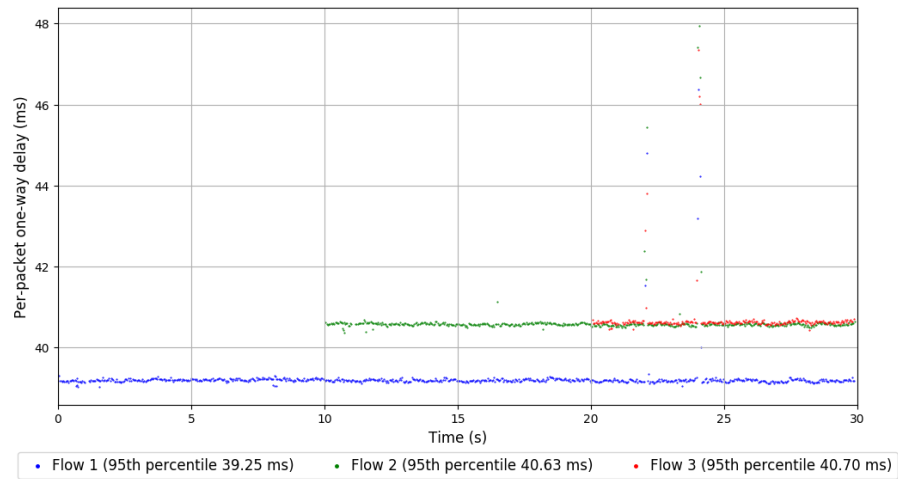
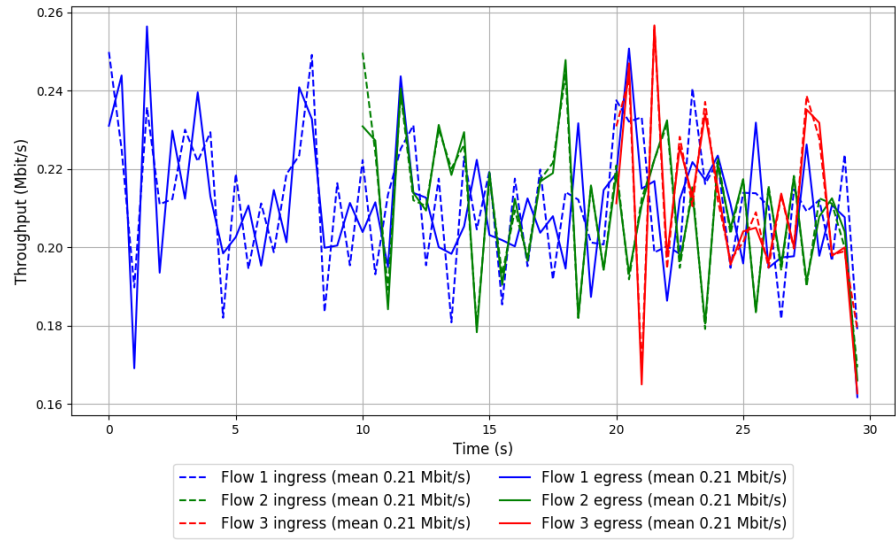


Run 4: Statistics of SReAM

Start at: 2018-04-10 19:39:57
End at: 2018-04-10 19:40:27
Local clock offset: -0.063 ms
Remote clock offset: -5.529 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 40.649 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.252 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.628 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.700 ms
Loss rate: 0.74%

Run 4: Report of SReAM — Data Link

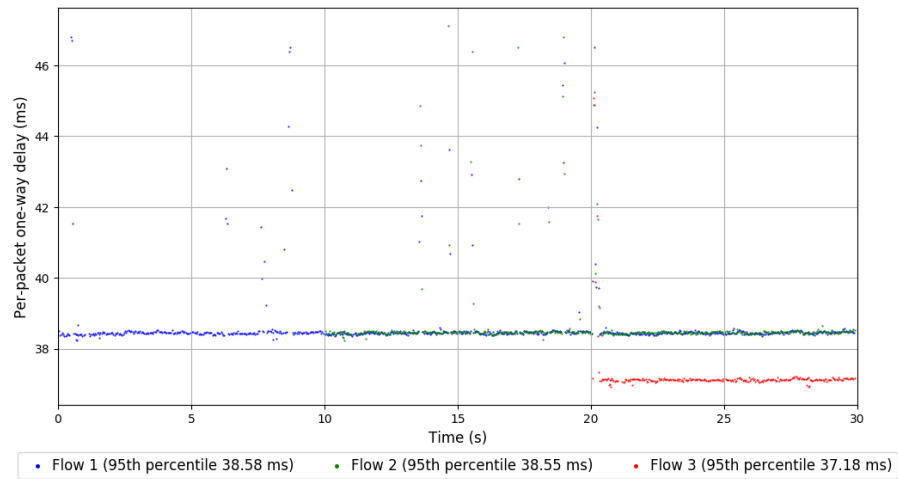
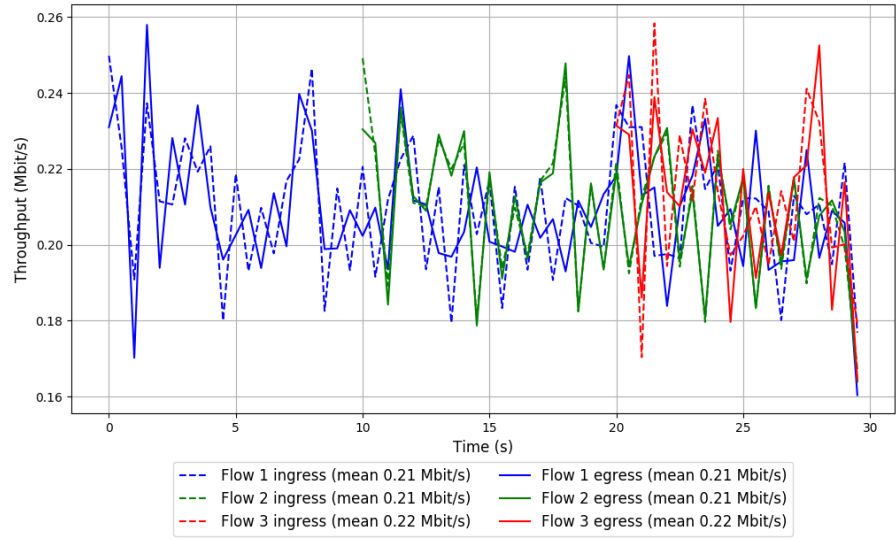


Run 5: Statistics of SReAM

Start at: 2018-04-10 20:04:59
End at: 2018-04-10 20:05:29
Local clock offset: 0.171 ms
Remote clock offset: -2.033 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 38.536 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.582 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.550 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.184 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

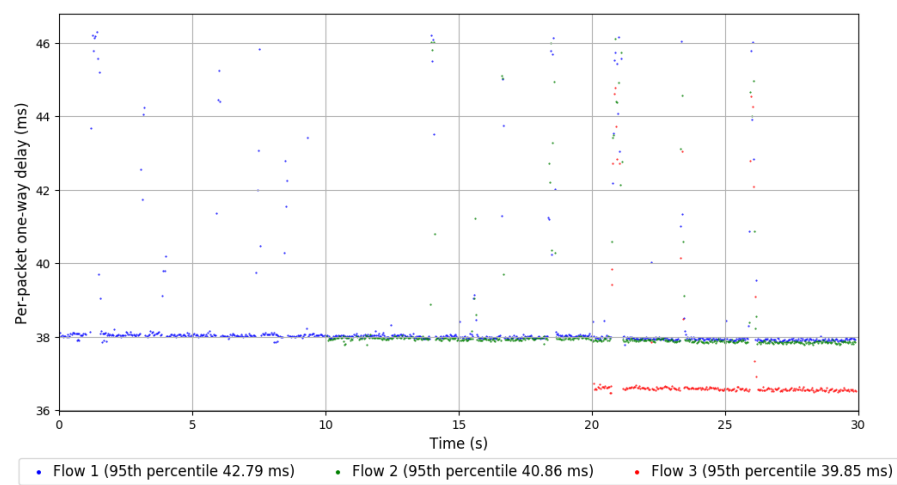
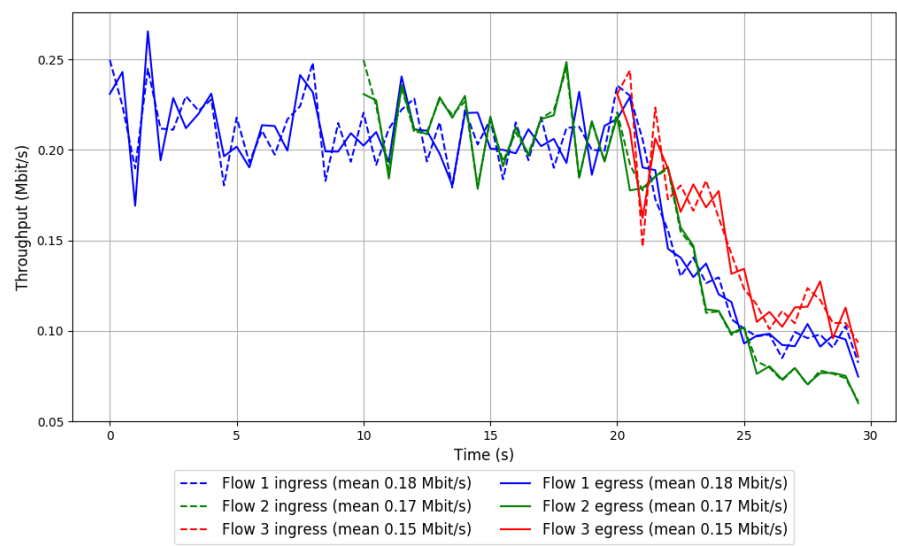


Run 6: Statistics of SCReAM

Start at: 2018-04-10 20:30:51
End at: 2018-04-10 20:31:21
Local clock offset: 0.593 ms
Remote clock offset: -1.579 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 42.126 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 42.787 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 40.864 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 39.851 ms
Loss rate: 0.84%

Run 6: Report of SReAM — Data Link

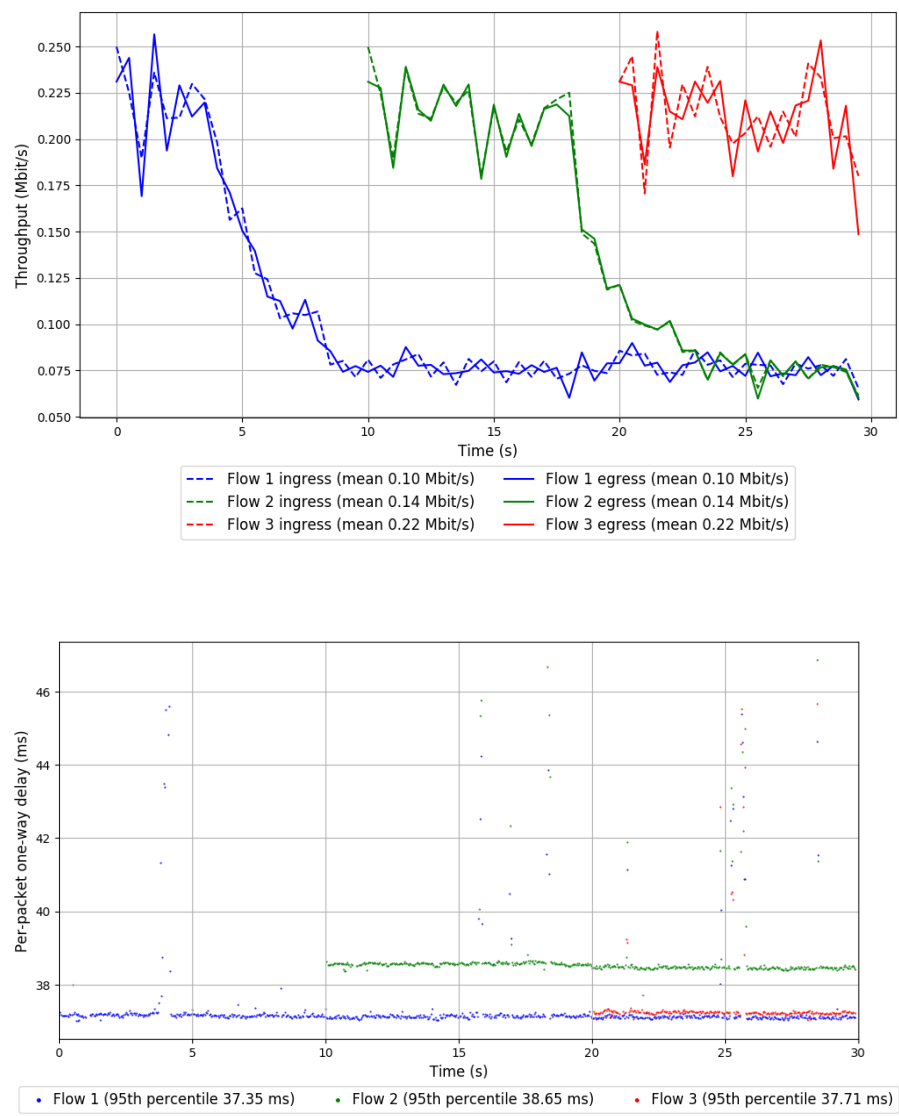


Run 7: Statistics of SReAM

Start at: 2018-04-10 20:56:51
End at: 2018-04-10 20:57:21
Local clock offset: -0.046 ms
Remote clock offset: -3.711 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 38.625 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 37.348 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 38.646 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.712 ms
Loss rate: 0.74%

Run 7: Report of SReAM — Data Link

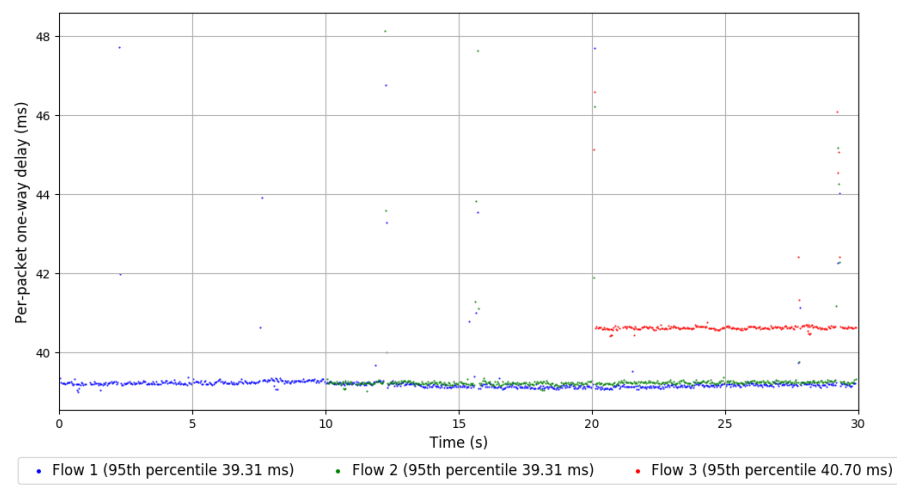
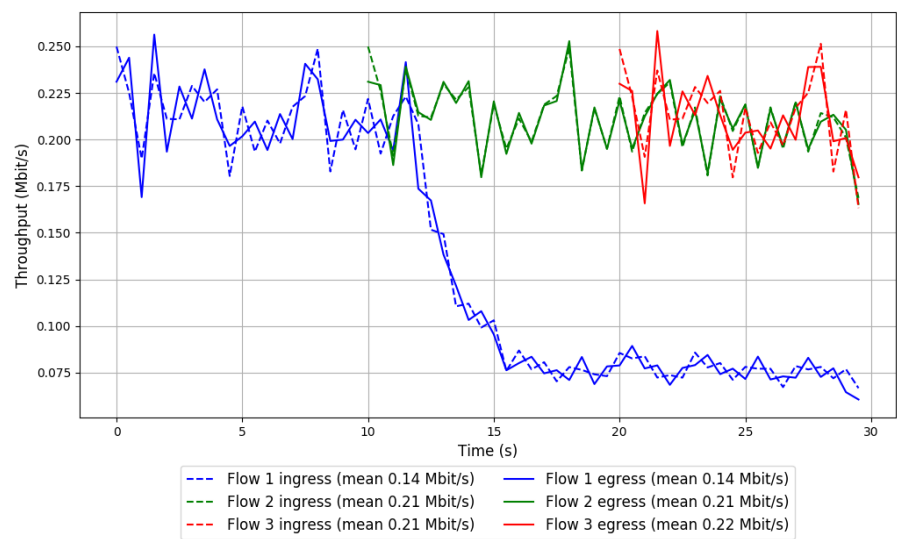


Run 8: Statistics of SReAM

Start at: 2018-04-10 21:22:27
End at: 2018-04-10 21:22:57
Local clock offset: -0.215 ms
Remote clock offset: -5.544 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 40.660 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 39.312 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.307 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.697 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

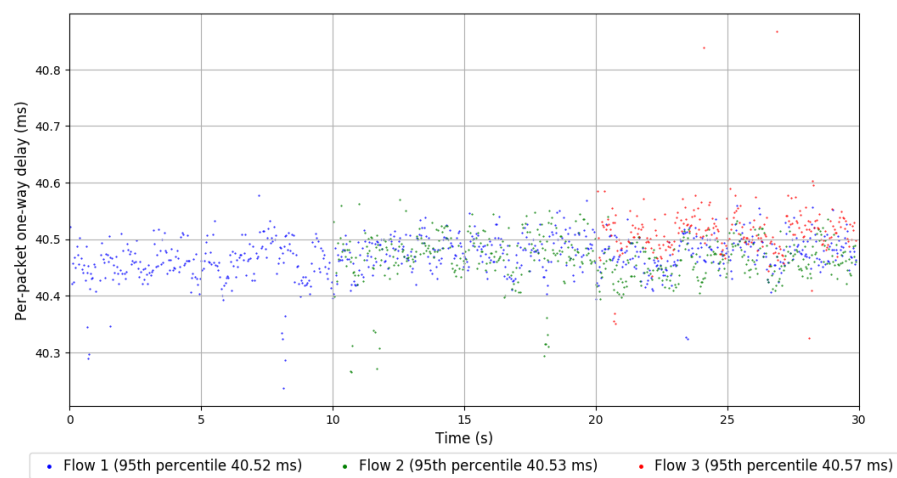
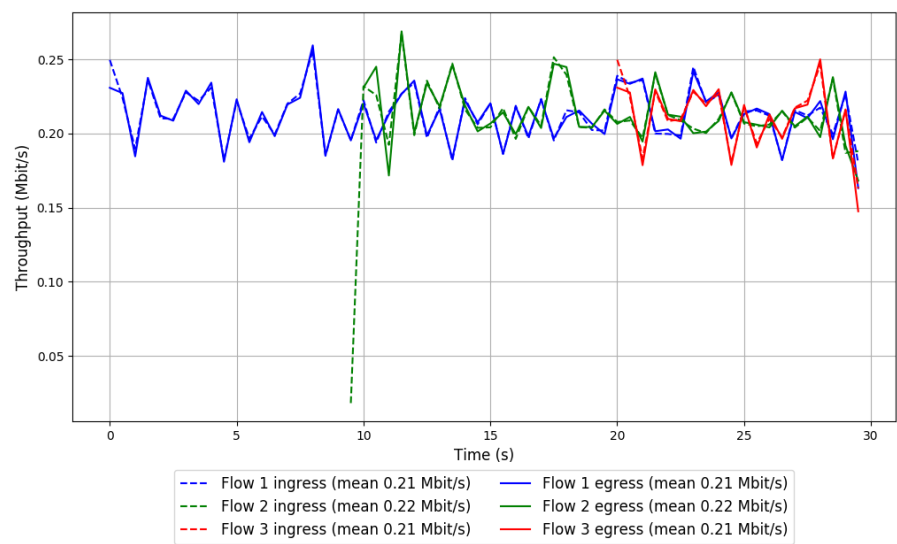


Run 9: Statistics of SReAM

Start at: 2018-04-10 21:47:59
End at: 2018-04-10 21:48:29
Local clock offset: 0.326 ms
Remote clock offset: -4.015 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 40.536 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.521 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.527 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.573 ms
Loss rate: 0.74%

Run 9: Report of SReAM — Data Link

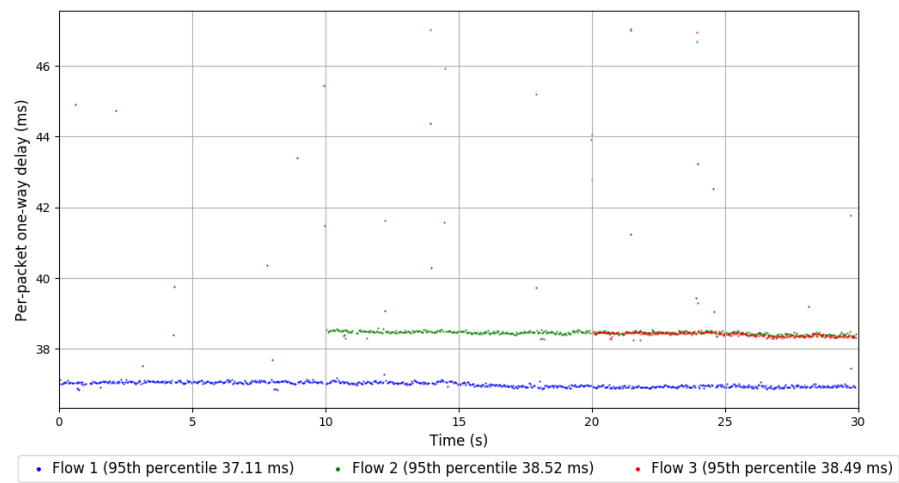
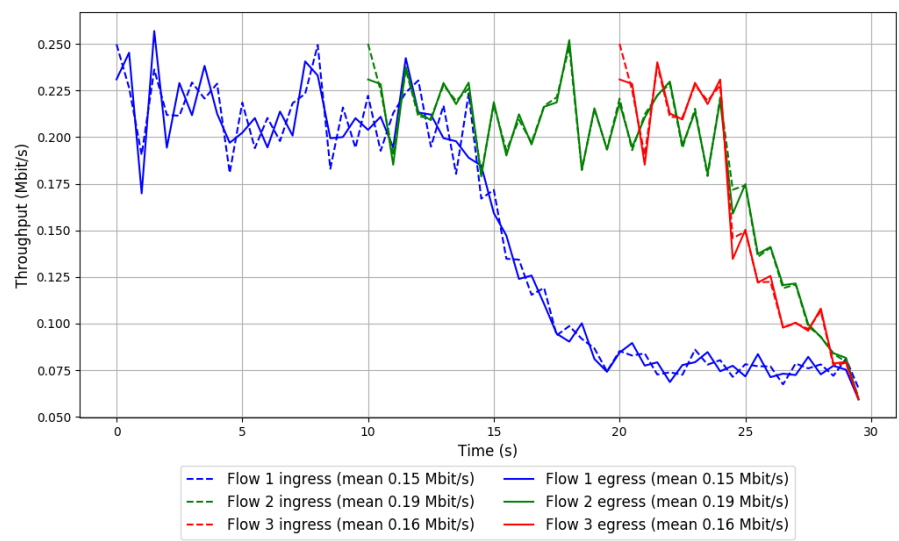


Run 10: Statistics of SCReAM

Start at: 2018-04-10 22:12:50
End at: 2018-04-10 22:13:20
Local clock offset: 0.494 ms
Remote clock offset: -1.948 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 38.509 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 37.106 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 38.525 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 38.487 ms
Loss rate: 0.66%

Run 10: Report of SReAM — Data Link

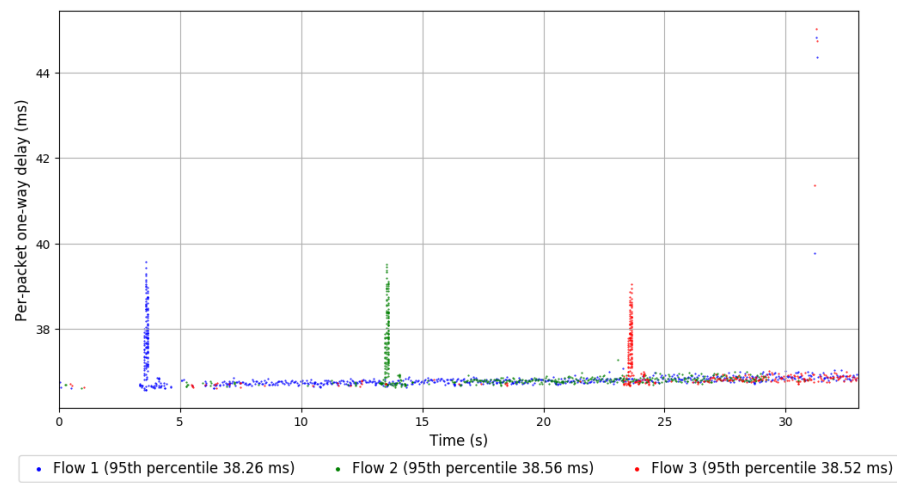
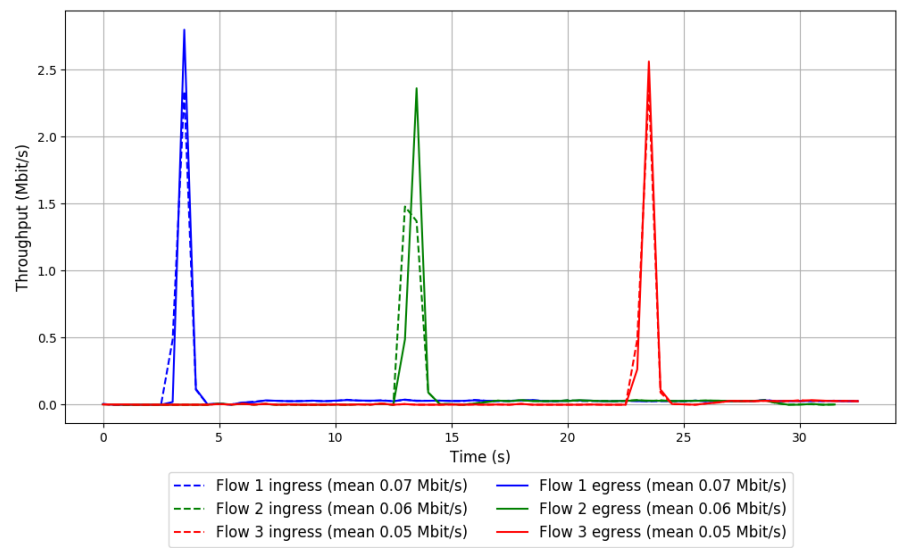


Run 1: Statistics of WebRTC media

Start at: 2018-04-10 18:13:03
End at: 2018-04-10 18:13:33
Local clock offset: 1.261 ms
Remote clock offset: -2.447 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 38.425 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 38.263 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 38.556 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 38.519 ms
Loss rate: 0.08%

Run 1: Report of WebRTC media — Data Link

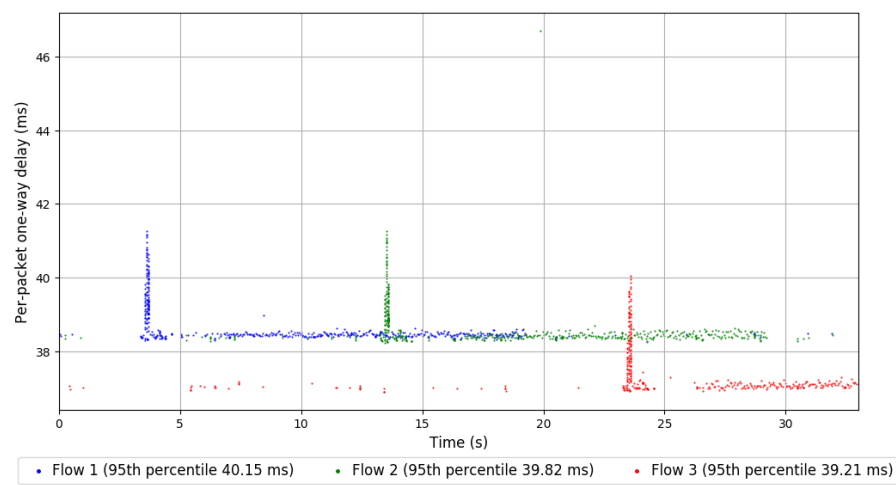
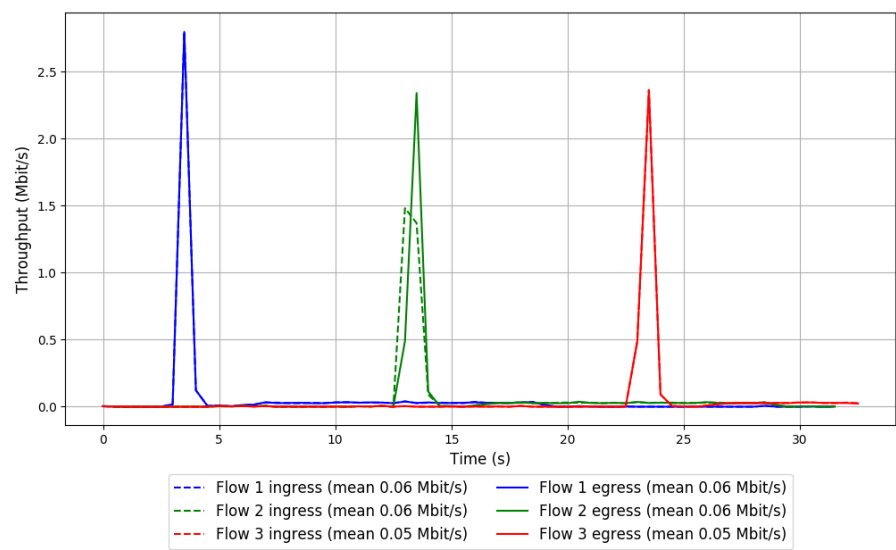


Run 2: Statistics of WebRTC media

Start at: 2018-04-10 18:38:45
End at: 2018-04-10 18:39:15
Local clock offset: -0.015 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 39.856 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 40.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 39.821 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 39.208 ms
Loss rate: 0.16%

Run 2: Report of WebRTC media — Data Link

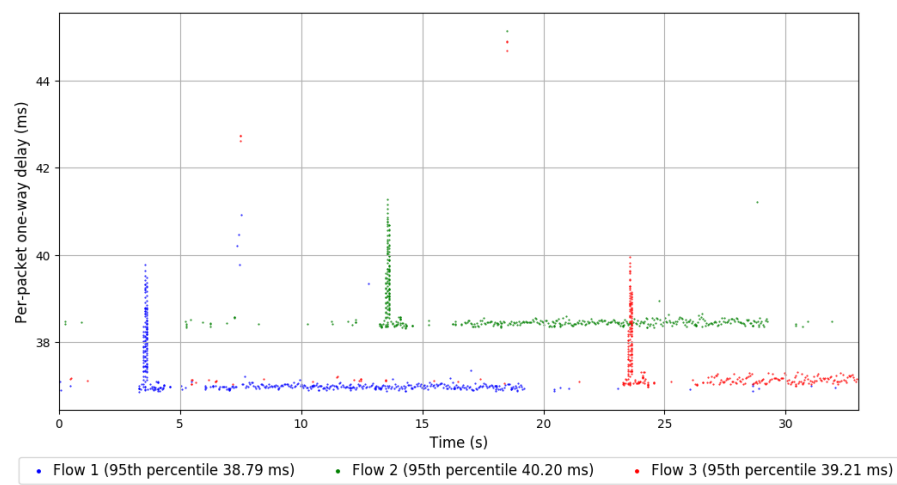
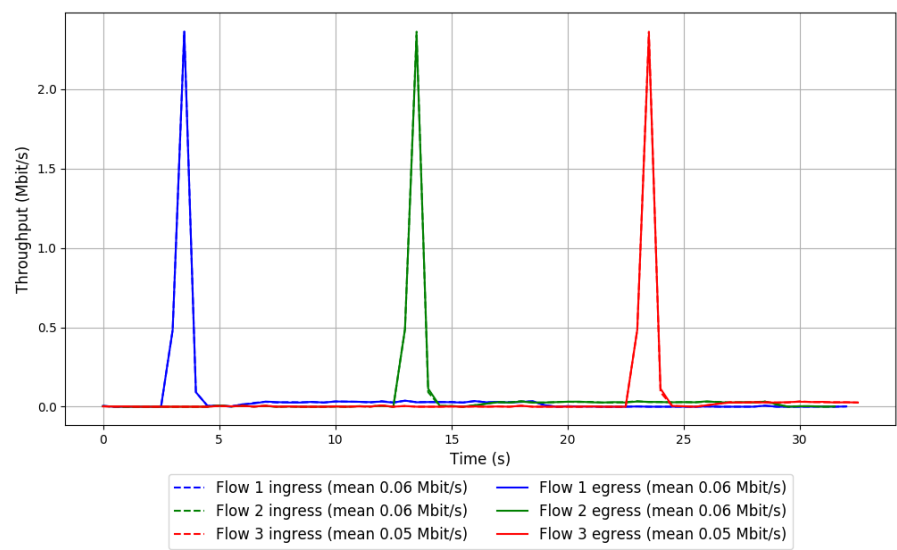


Run 3: Statistics of WebRTC media

Start at: 2018-04-10 19:03:55
End at: 2018-04-10 19:04:25
Local clock offset: -0.03 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 39.632 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 38.787 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 40.201 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 39.212 ms
Loss rate: 0.08%

Run 3: Report of WebRTC media — Data Link

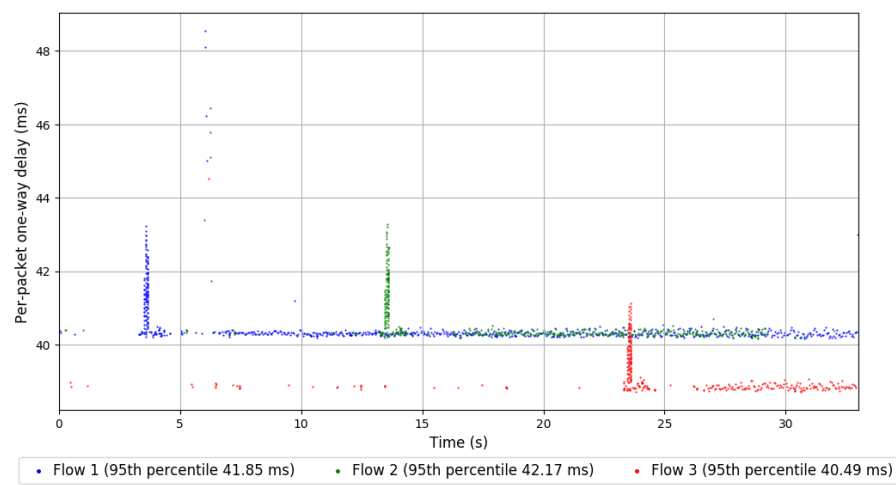
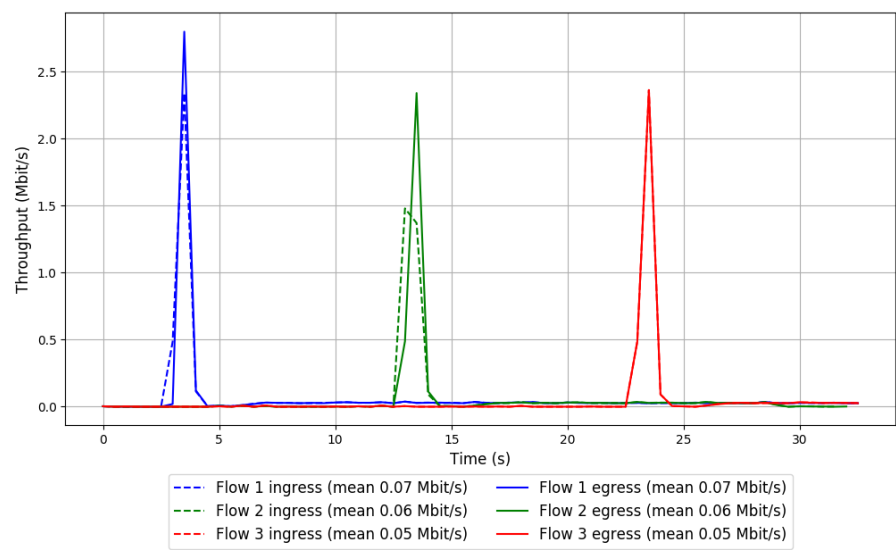


Run 4: Statistics of WebRTC media

Start at: 2018-04-10 19:28:48
End at: 2018-04-10 19:29:18
Local clock offset: -0.108 ms
Remote clock offset: -4.388 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 41.841 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 41.846 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 42.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 40.491 ms
Loss rate: 0.12%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-10 19:53:37

End at: 2018-04-10 19:54:07

Local clock offset: -0.015 ms

Remote clock offset: -4.12 ms

Below is generated by plot.py at 2018-04-11 03:07:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 39.110 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 38.794 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 39.203 ms

Loss rate: 0.00%

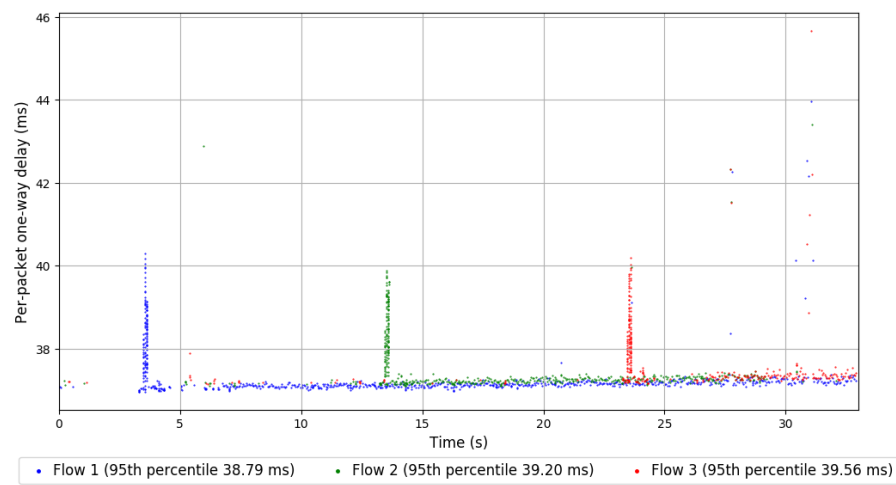
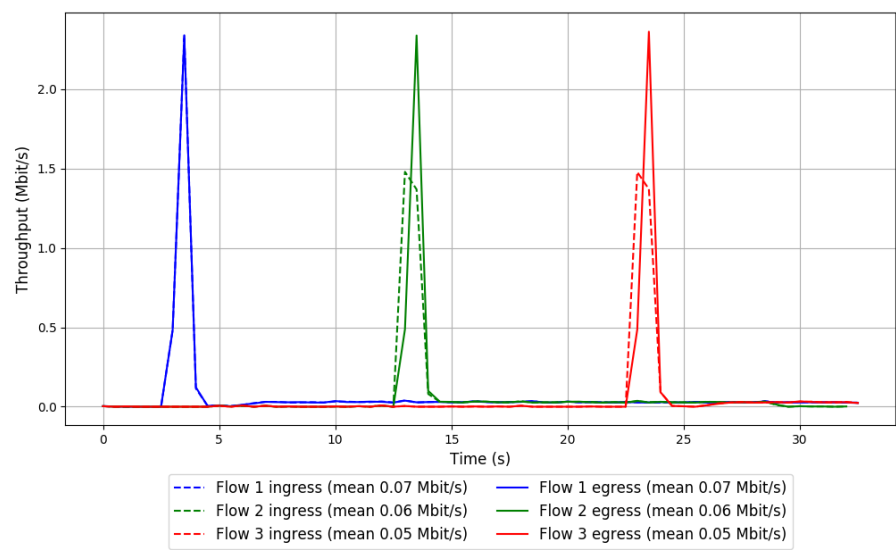
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 39.562 ms

Loss rate: 0.08%

Run 5: Report of WebRTC media — Data Link

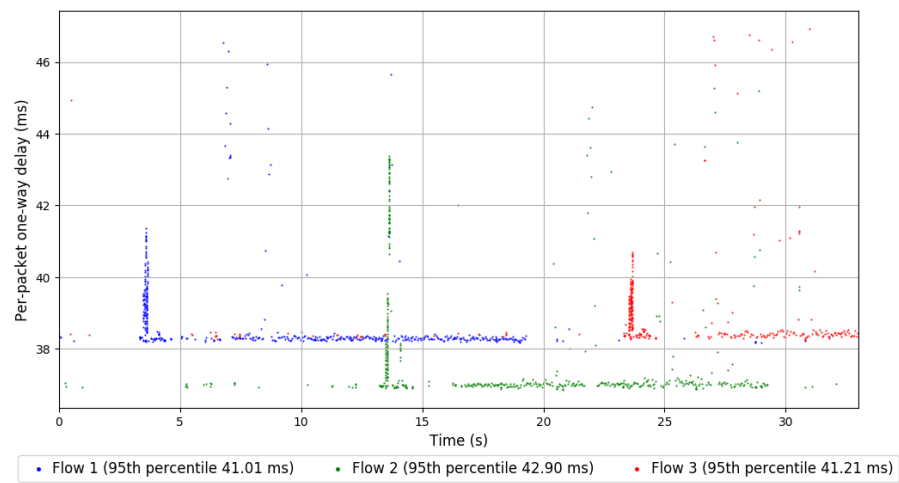
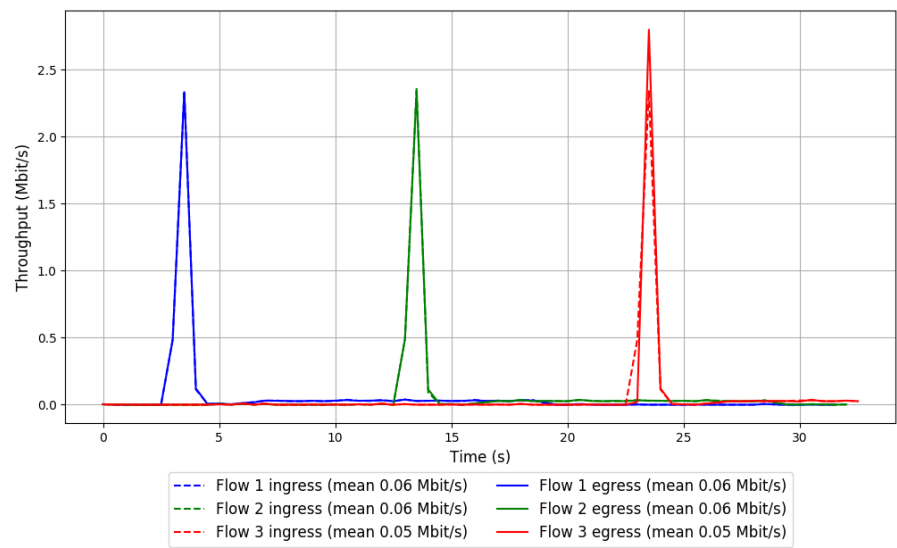


Run 6: Statistics of WebRTC media

Start at: 2018-04-10 20:19:08
End at: 2018-04-10 20:19:38
Local clock offset: 0.406 ms
Remote clock offset: -1.384 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 42.184 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 41.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 42.896 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 41.212 ms
Loss rate: 0.31%

Run 6: Report of WebRTC media — Data Link

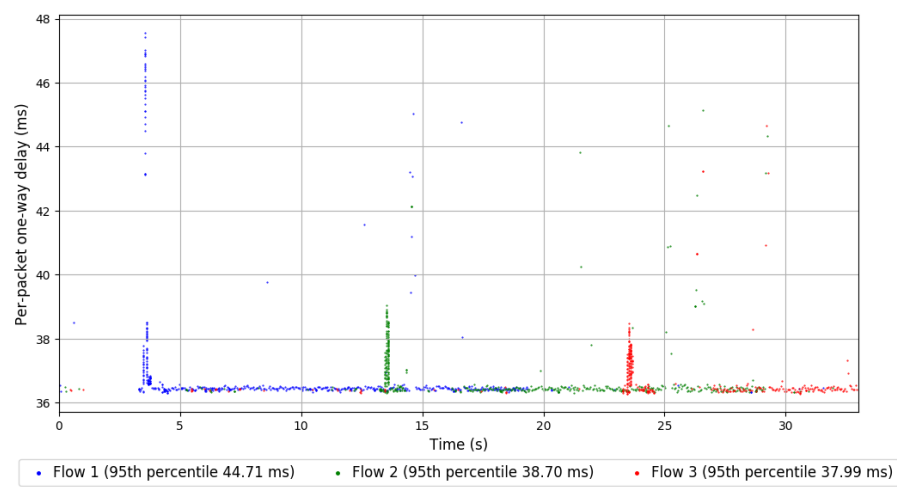
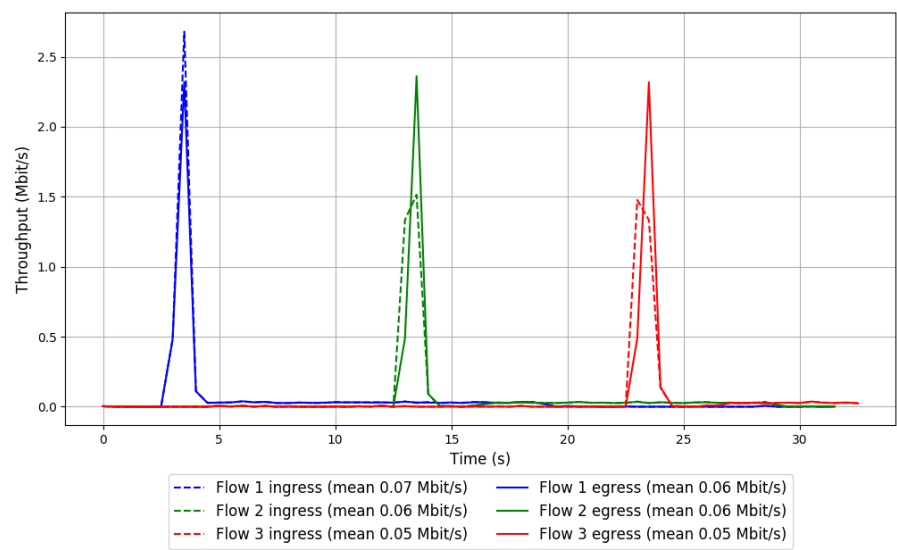


Run 7: Statistics of WebRTC media

Start at: 2018-04-10 20:44:57
End at: 2018-04-10 20:45:27
Local clock offset: 0.24 ms
Remote clock offset: -2.696 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 38.822 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 44.714 ms
Loss rate: 8.58%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 38.705 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 37.995 ms
Loss rate: 0.16%

Run 7: Report of WebRTC media — Data Link

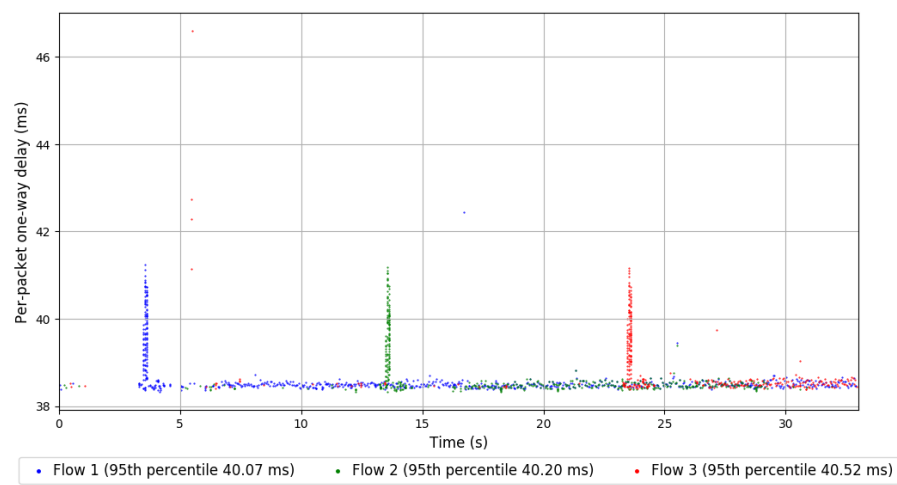
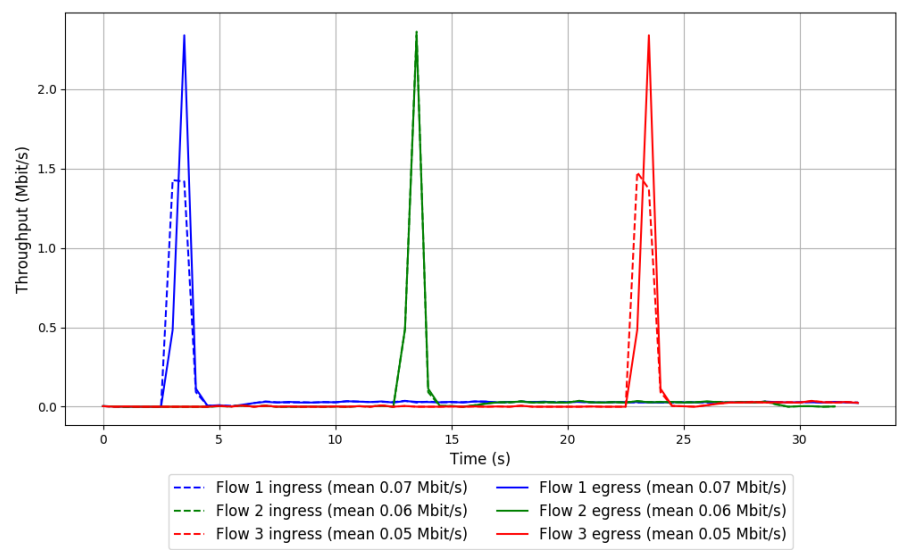


Run 8: Statistics of WebRTC media

Start at: 2018-04-10 21:10:51
End at: 2018-04-10 21:11:21
Local clock offset: -0.107 ms
Remote clock offset: -3.467 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 40.278 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 40.072 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 40.196 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 40.524 ms
Loss rate: 0.08%

Run 8: Report of WebRTC media — Data Link

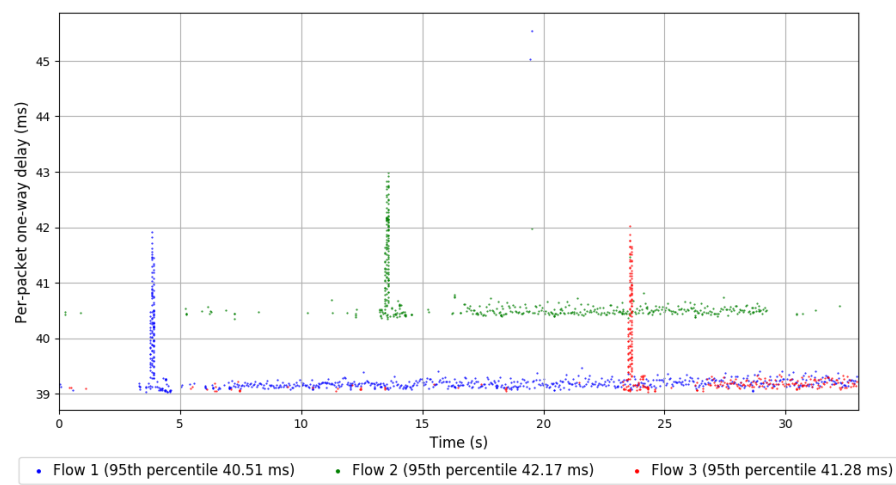
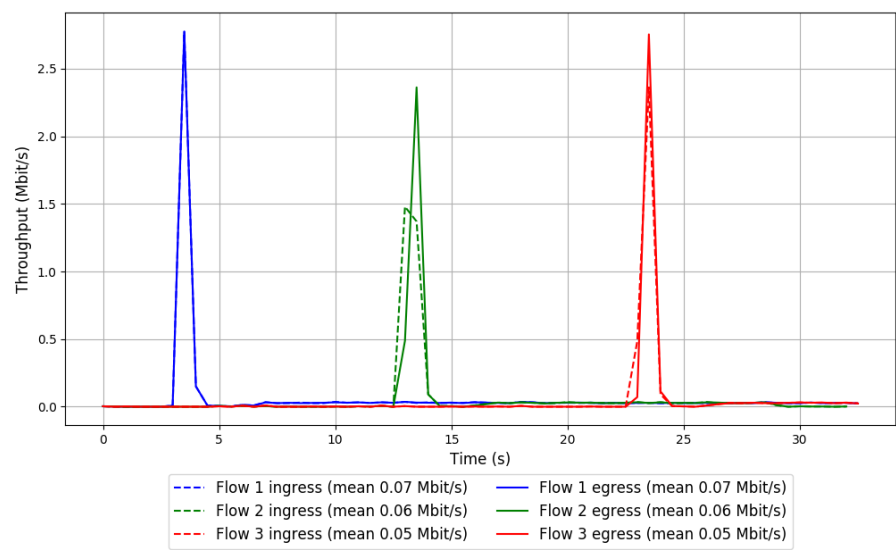


Run 9: Statistics of WebRTC media

Start at: 2018-04-10 21:36:53
End at: 2018-04-10 21:37:23
Local clock offset: -0.119 ms
Remote clock offset: -5.364 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 41.552 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 40.505 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 42.168 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 41.276 ms
Loss rate: 0.08%

Run 9: Report of WebRTC media — Data Link

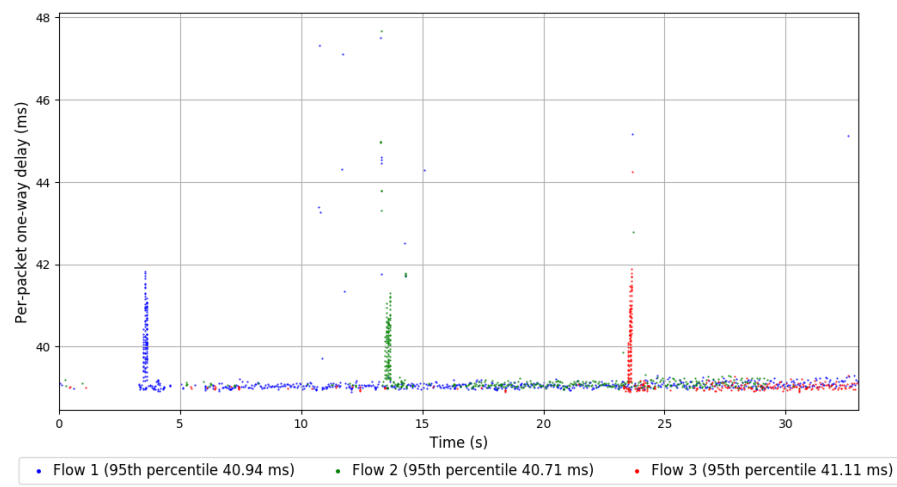
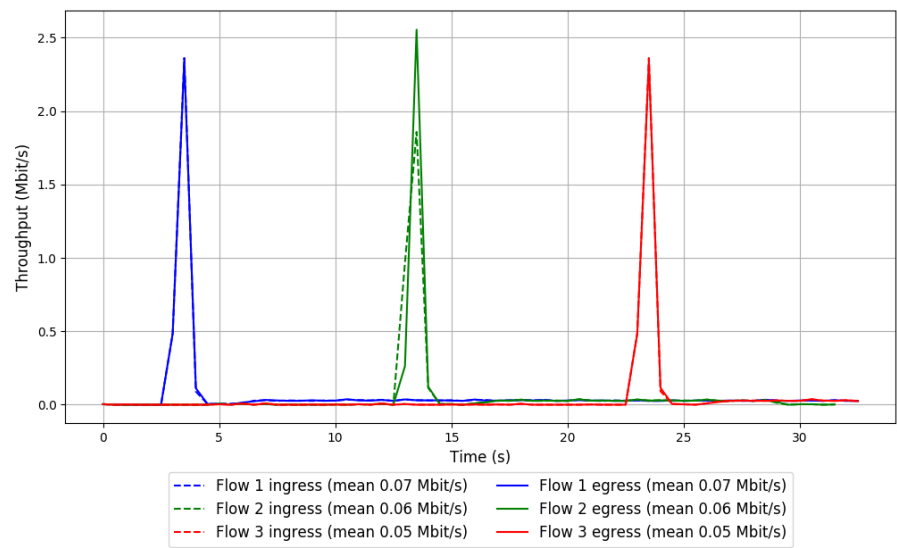


Run 10: Statistics of WebRTC media

Start at: 2018-04-10 22:01:44
End at: 2018-04-10 22:02:14
Local clock offset: 0.568 ms
Remote clock offset: -3.543 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 40.921 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 40.942 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 40.708 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 41.112 ms
Loss rate: 0.16%

Run 10: Report of WebRTC media — Data Link

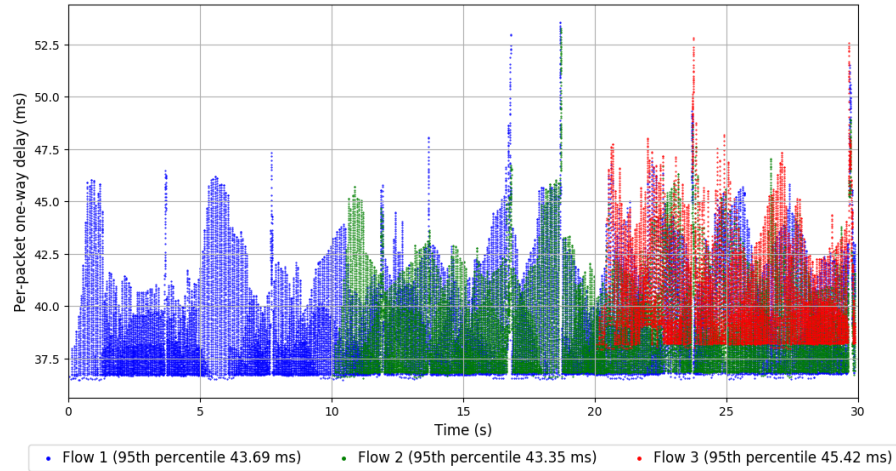
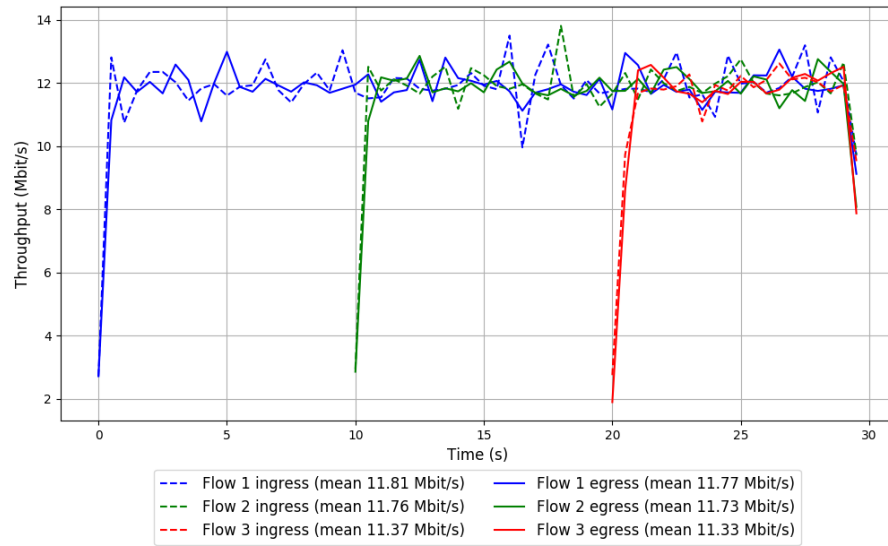


Run 1: Statistics of Sprout

Start at: 2018-04-10 18:26:11
End at: 2018-04-10 18:26:41
Local clock offset: 0.395 ms
Remote clock offset: -0.625 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 44.028 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 43.693 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 43.346 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 45.421 ms
Loss rate: 0.96%

Run 1: Report of Sprout — Data Link

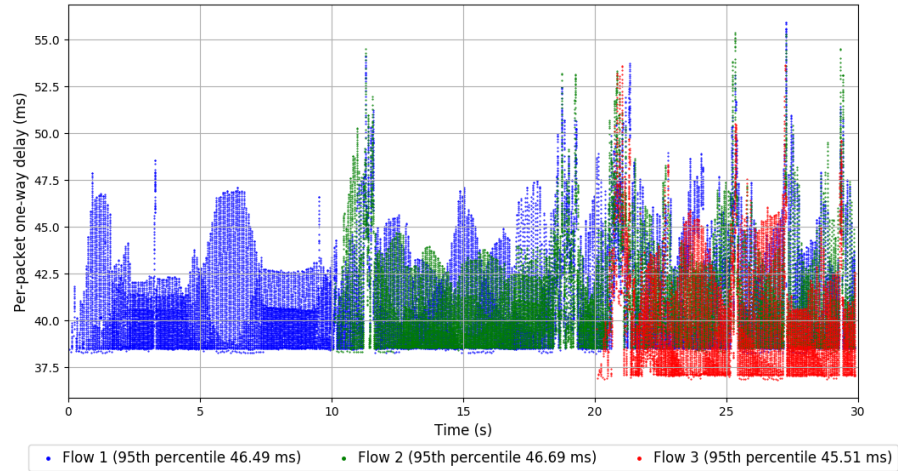
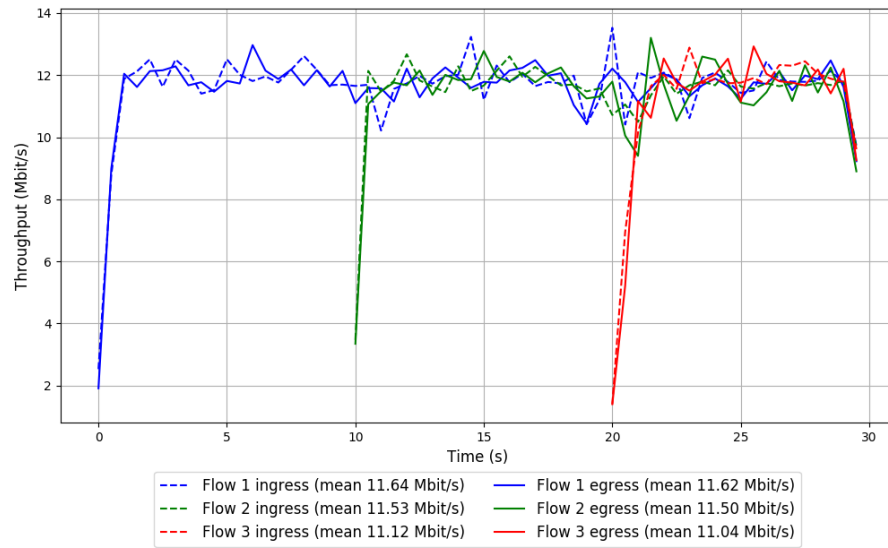


Run 2: Statistics of Sprout

Start at: 2018-04-10 18:51:09
End at: 2018-04-10 18:51:39
Local clock offset: 0.027 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 46.432 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 46.486 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 46.692 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 45.506 ms
Loss rate: 1.28%

Run 2: Report of Sprout — Data Link

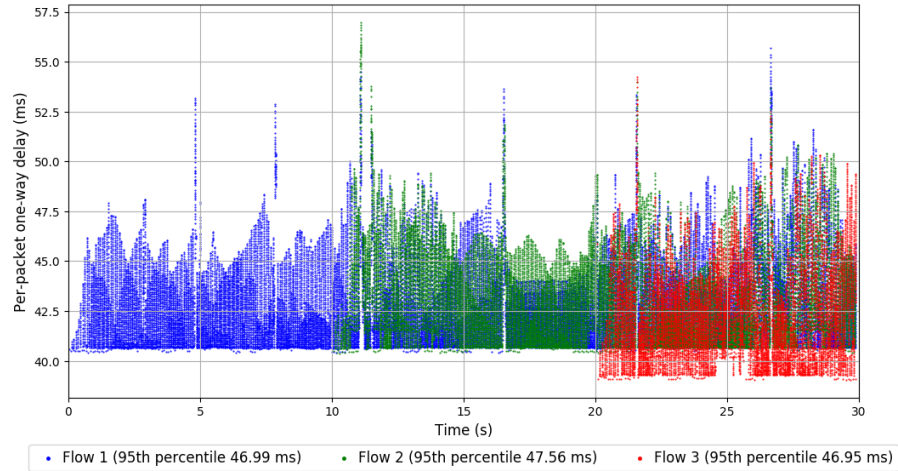
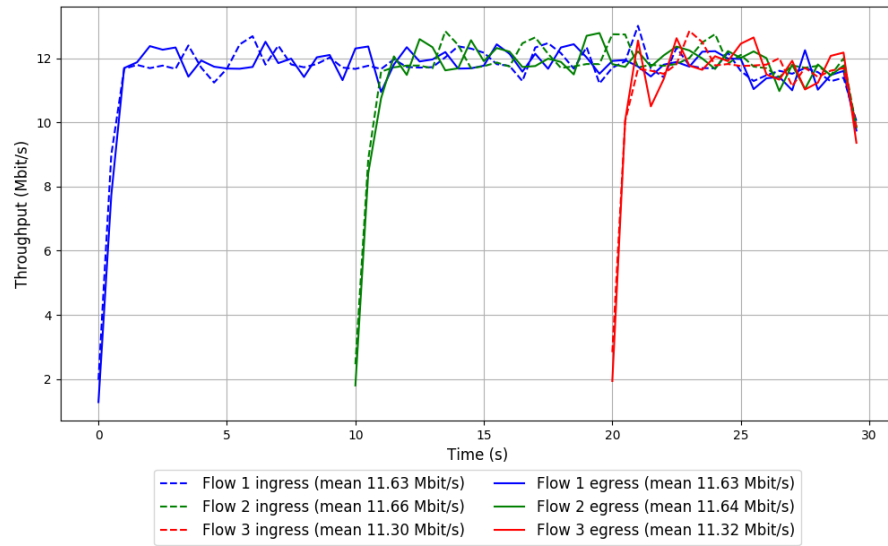


Run 3: Statistics of Sprout

Start at: 2018-04-10 19:16:30
End at: 2018-04-10 19:17:00
Local clock offset: -0.259 ms
Remote clock offset: -2.444 ms

```
# Below is generated by plot.py at 2018-04-11 03:07:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 47.194 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 46.987 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 47.562 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 46.947 ms
Loss rate: 0.47%
```


Run 3: Report of Sprout — Data Link

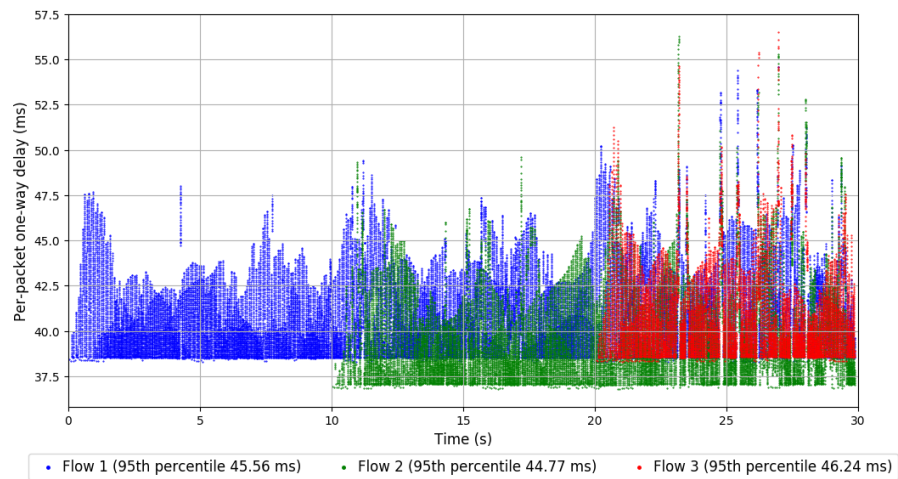
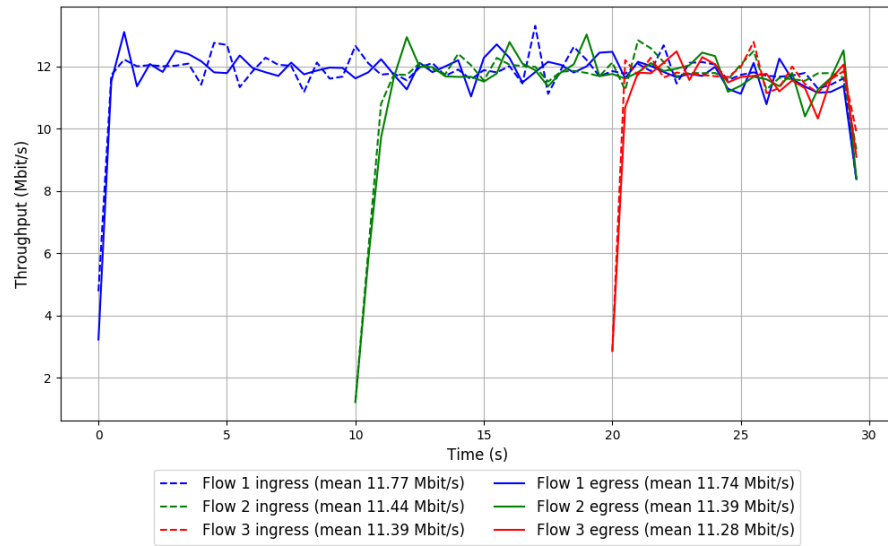


Run 4: Statistics of Sprout

Start at: 2018-04-10 19:41:15
End at: 2018-04-10 19:41:45
Local clock offset: -0.072 ms
Remote clock offset: -3.54 ms

```
# Below is generated by plot.py at 2018-04-11 03:07:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 45.421 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 45.562 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 44.770 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 46.239 ms
Loss rate: 1.38%
```

Run 4: Report of Sprout — Data Link

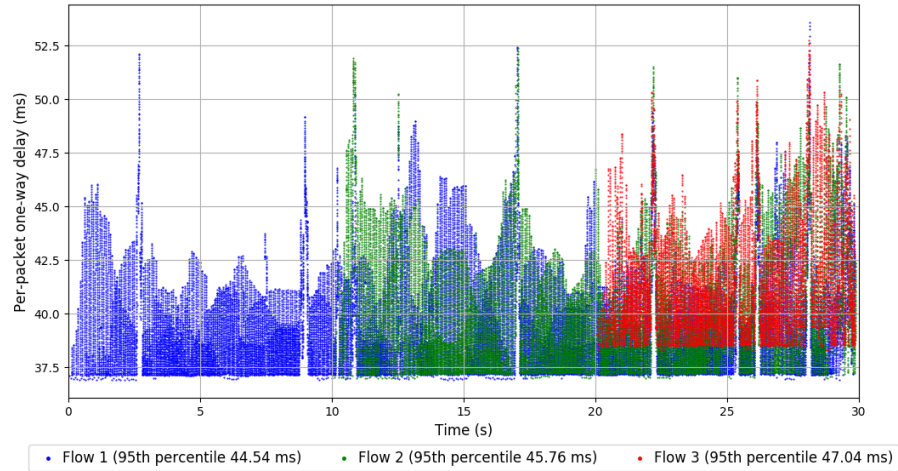
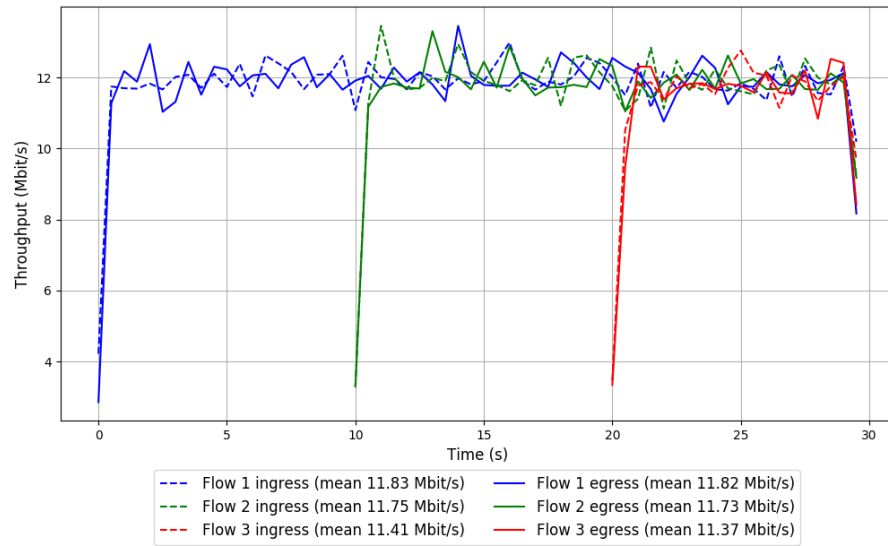


Run 5: Statistics of Sprout

Start at: 2018-04-10 20:06:16
End at: 2018-04-10 20:06:46
Local clock offset: 0.31 ms
Remote clock offset: -1.845 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 45.509 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 44.537 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 45.760 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 11.37 Mbit/s
95th percentile per-packet one-way delay: 47.036 ms
Loss rate: 1.11%

Run 5: Report of Sprout — Data Link

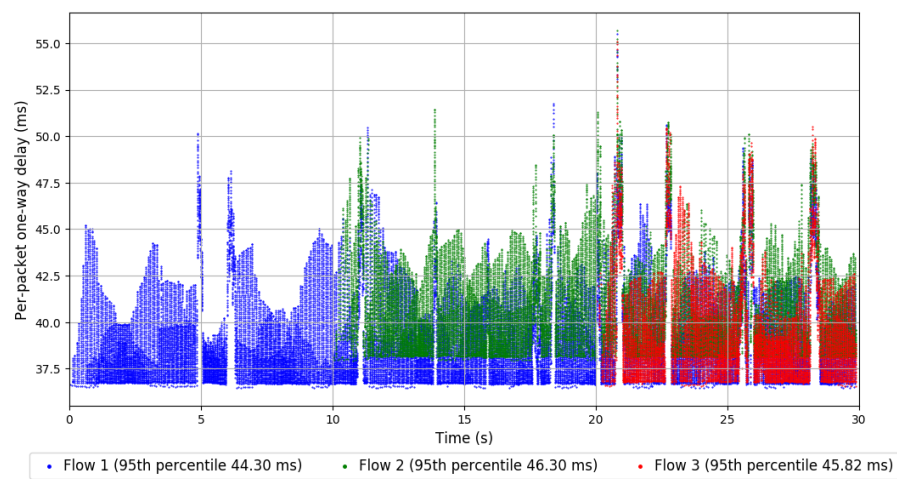
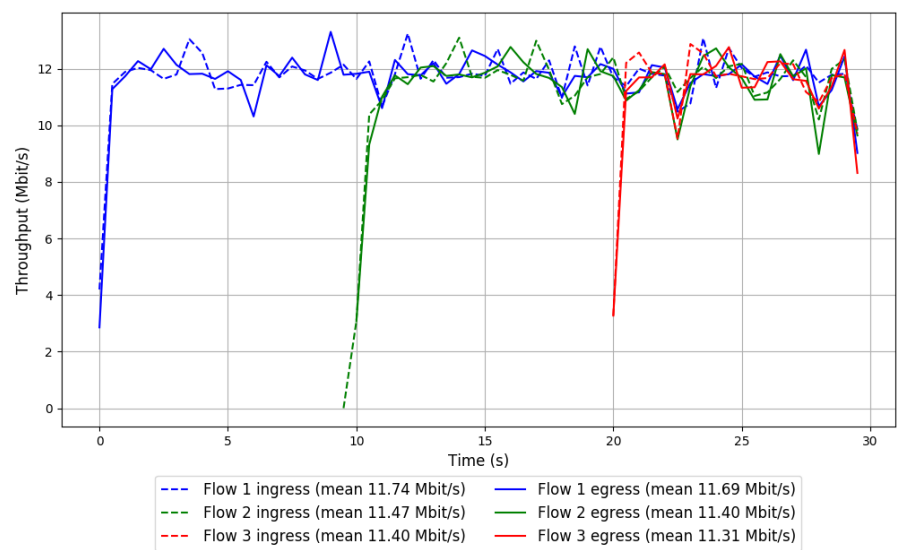


Run 6: Statistics of Sprout

Start at: 2018-04-10 20:32:09
End at: 2018-04-10 20:32:39
Local clock offset: 0.625 ms
Remote clock offset: -1.822 ms

```
# Below is generated by plot.py at 2018-04-11 03:07:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.99 Mbit/s
95th percentile per-packet one-way delay: 45.288 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 44.296 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 46.298 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 45.820 ms
Loss rate: 1.22%
```

Run 6: Report of Sprout — Data Link

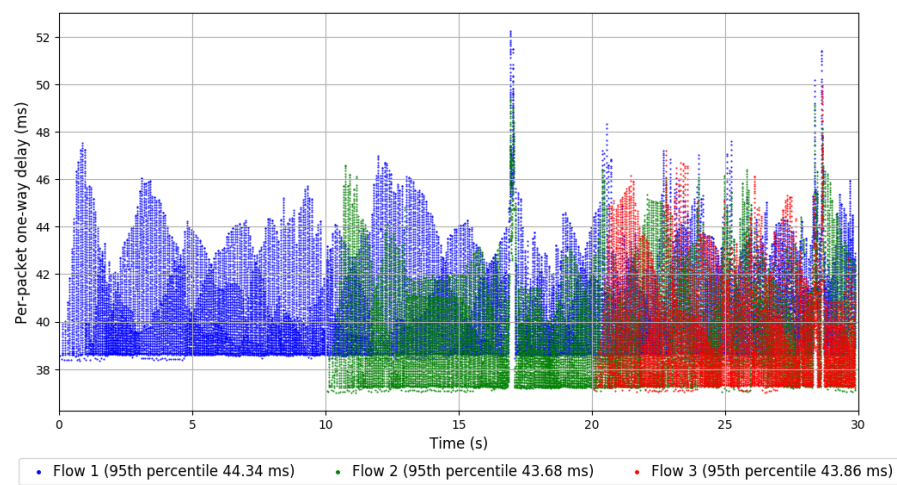
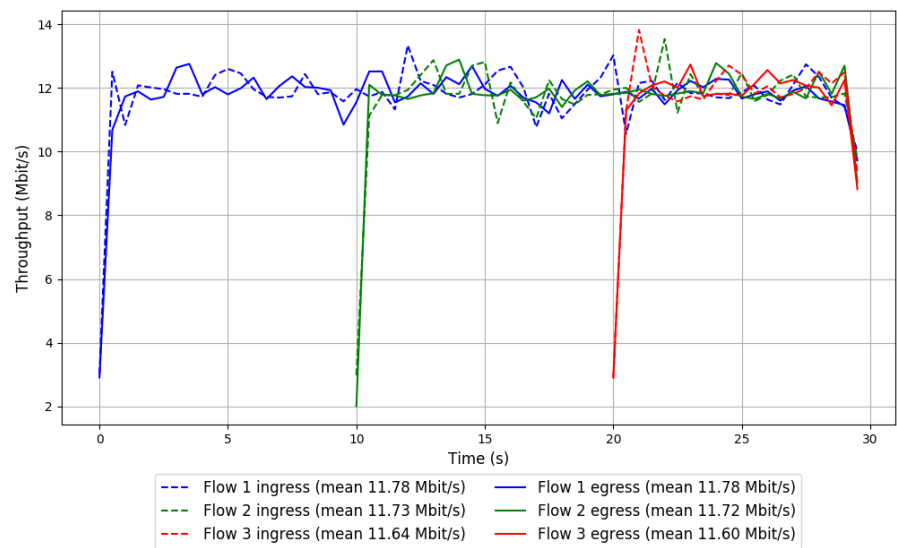


Run 7: Statistics of Sprout

Start at: 2018-04-10 20:58:10
End at: 2018-04-10 20:58:40
Local clock offset: -0.043 ms
Remote clock offset: -3.7 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 44.089 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 44.337 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 11.72 Mbit/s
95th percentile per-packet one-way delay: 43.682 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 43.857 ms
Loss rate: 0.91%

Run 7: Report of Sprout — Data Link

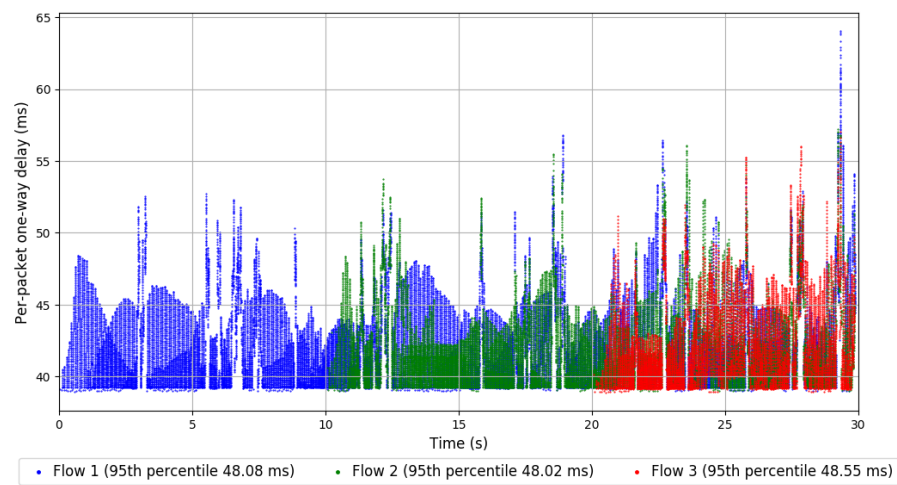
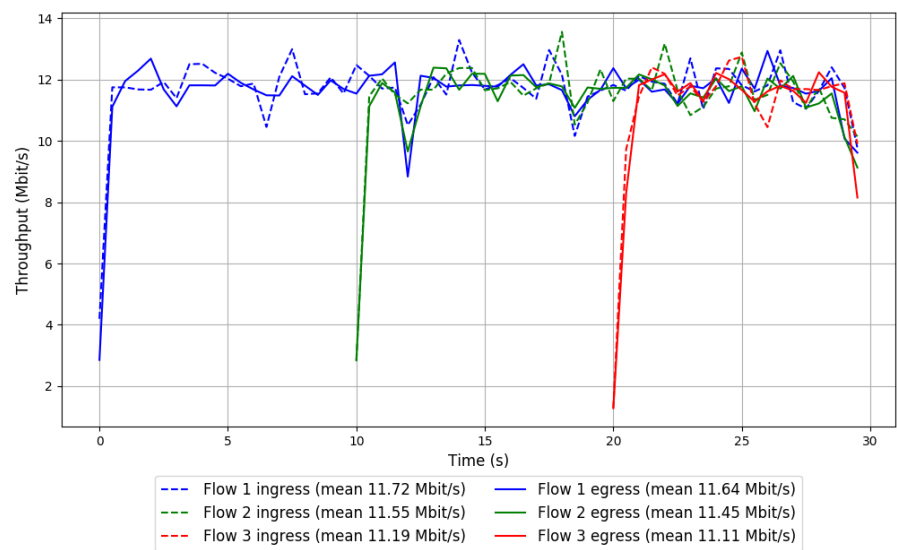


Run 8: Statistics of Sprout

Start at: 2018-04-10 21:23:45
End at: 2018-04-10 21:24:15
Local clock offset: -0.298 ms
Remote clock offset: -5.581 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 48.145 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 48.079 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 48.020 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 48.550 ms
Loss rate: 1.54%

Run 8: Report of Sprout — Data Link

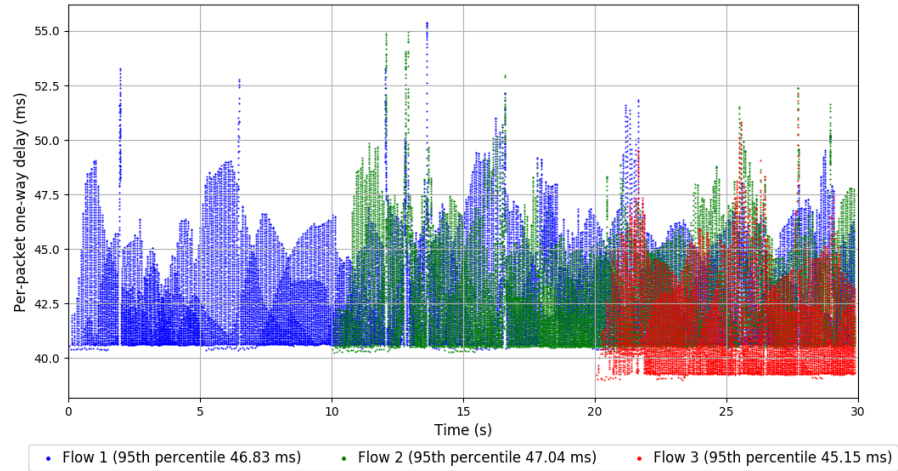
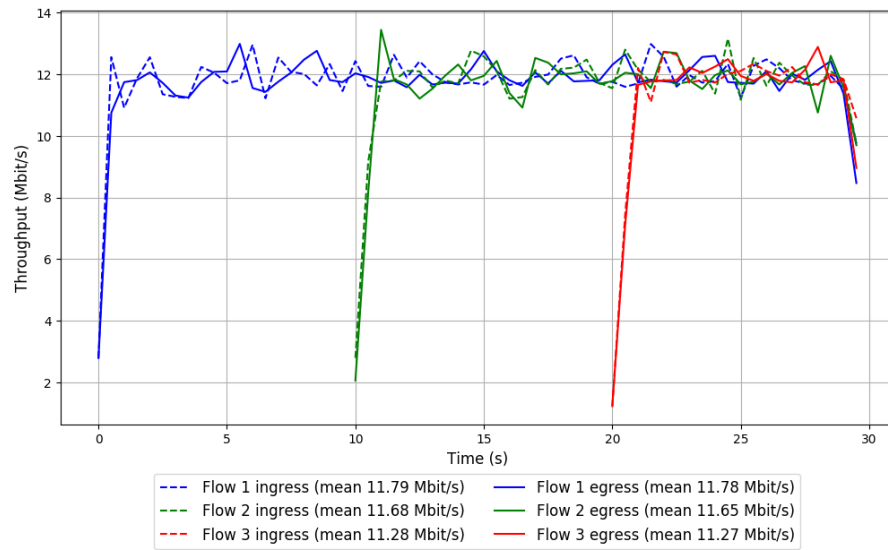


Run 9: Statistics of Sprout

Start at: 2018-04-10 21:49:17
End at: 2018-04-10 21:49:47
Local clock offset: 0.365 ms
Remote clock offset: -3.988 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 46.733 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 46.834 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 47.040 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 45.148 ms
Loss rate: 0.91%

Run 9: Report of Sprout — Data Link

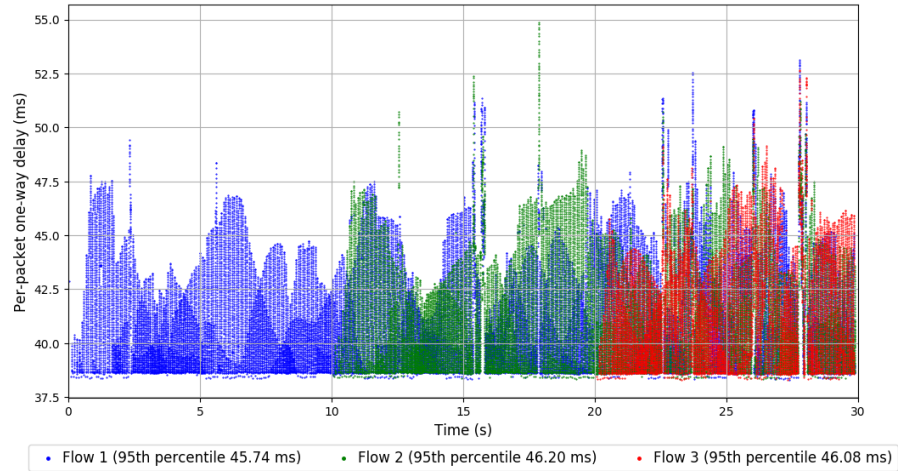
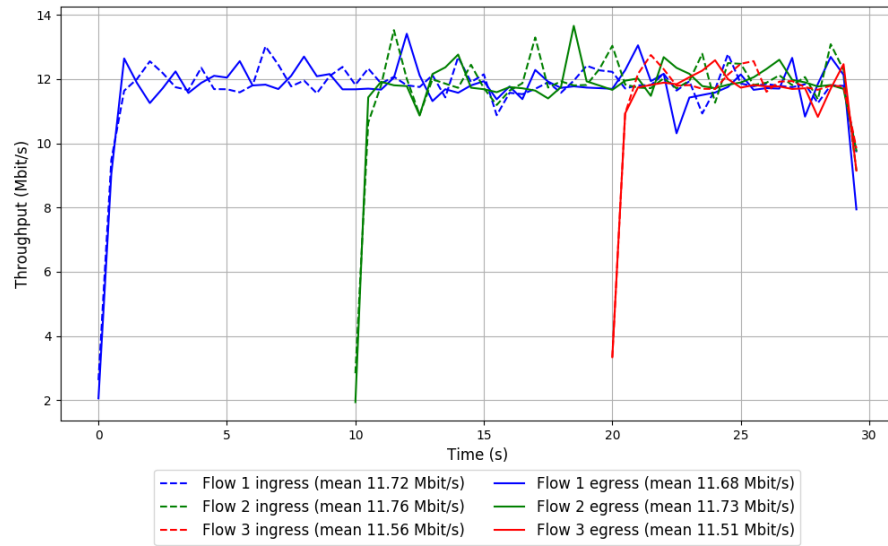


Run 10: Statistics of Sprout

Start at: 2018-04-10 22:14:08
End at: 2018-04-10 22:14:38
Local clock offset: 0.543 ms
Remote clock offset: -2.135 ms

Below is generated by plot.py at 2018-04-11 03:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 45.962 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 45.738 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 46.198 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 46.077 ms
Loss rate: 1.25%

Run 10: Report of Sprout — Data Link

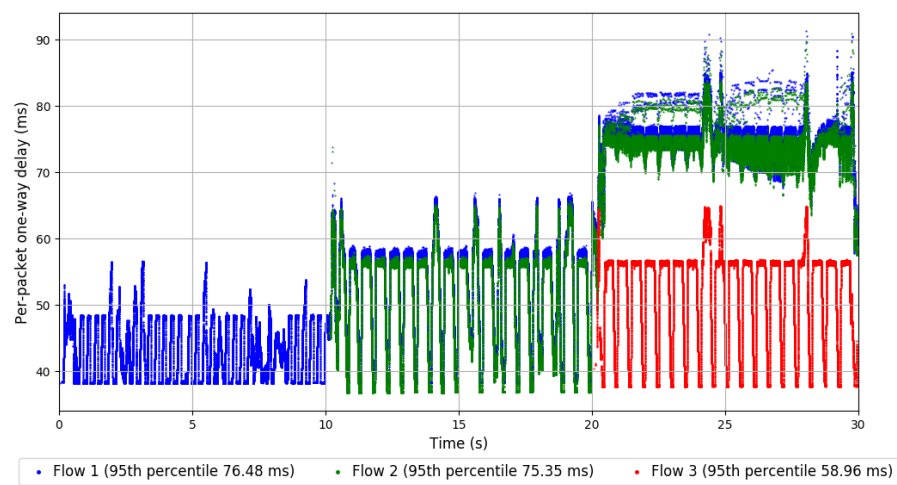
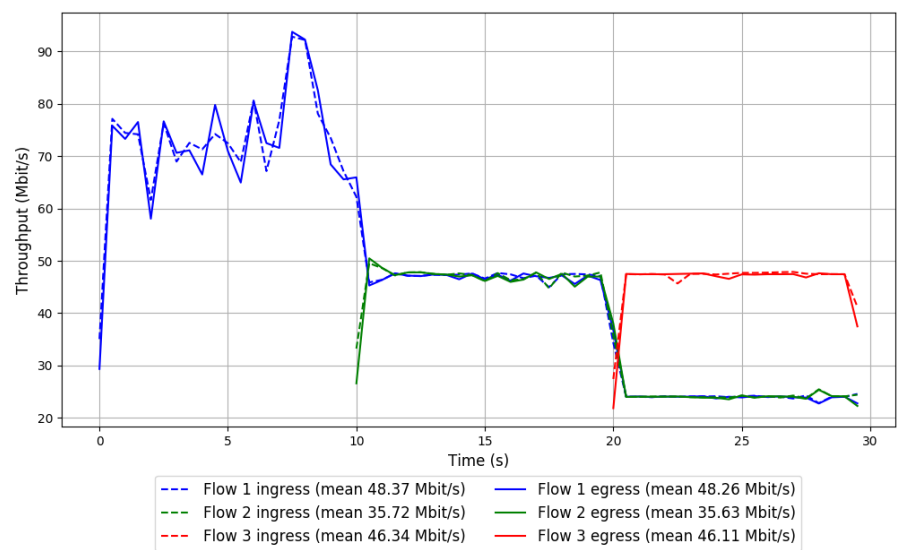


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-10 18:20:17
End at: 2018-04-10 18:20:47
Local clock offset: 0.667 ms
Remote clock offset: -1.265 ms

# Below is generated by plot.py at 2018-04-11 03:10:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 75.875 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 76.482 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 75.350 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 58.960 ms
Loss rate: 1.19%
```


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

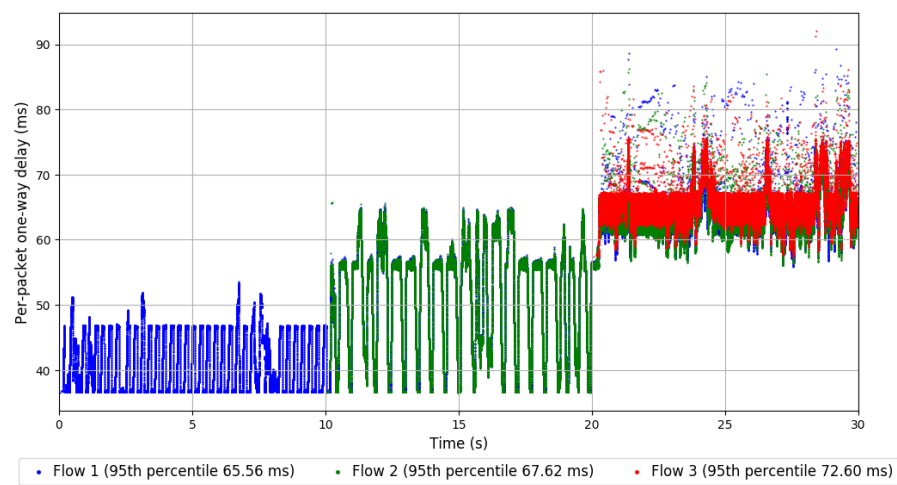
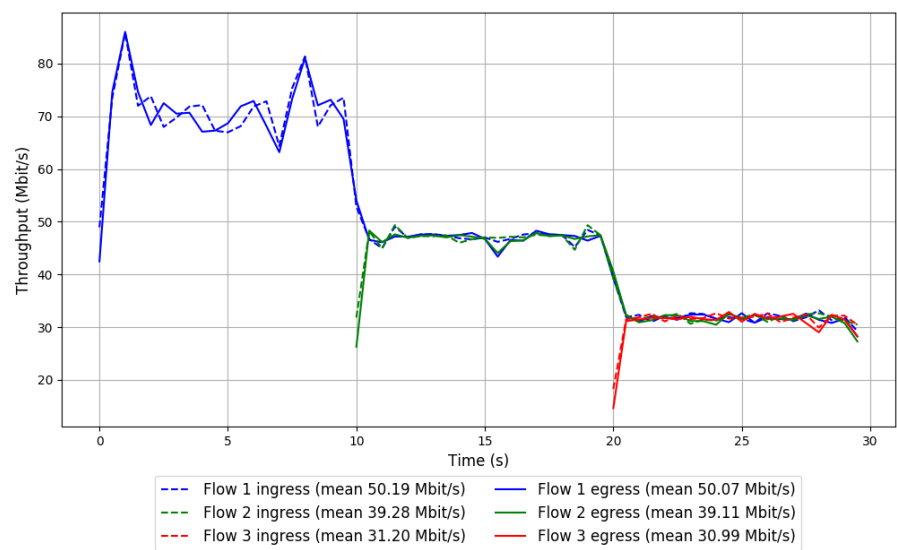


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-04-10 18:45:37
End at: 2018-04-10 18:46:07
Local clock offset: 0.001 ms
Remote clock offset: 0.343 ms

# Below is generated by plot.py at 2018-04-11 03:10:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 67.554 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 65.558 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 67.623 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 72.599 ms
Loss rate: 1.55%
```

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

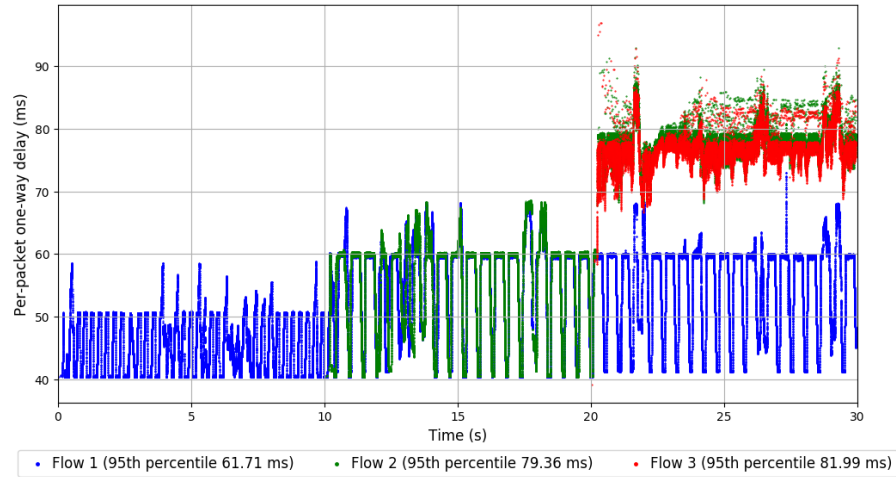
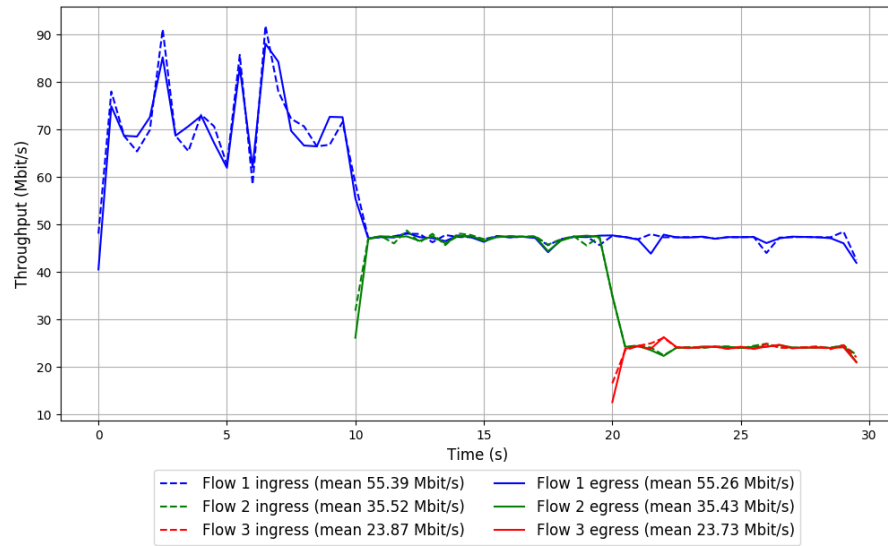


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-10 19:10:57
End at: 2018-04-10 19:11:27
Local clock offset: -0.261 ms
Remote clock offset: -2.281 ms

Below is generated by plot.py at 2018-04-11 03:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 78.564 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 61.710 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 79.361 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 81.989 ms
Loss rate: 1.32%

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

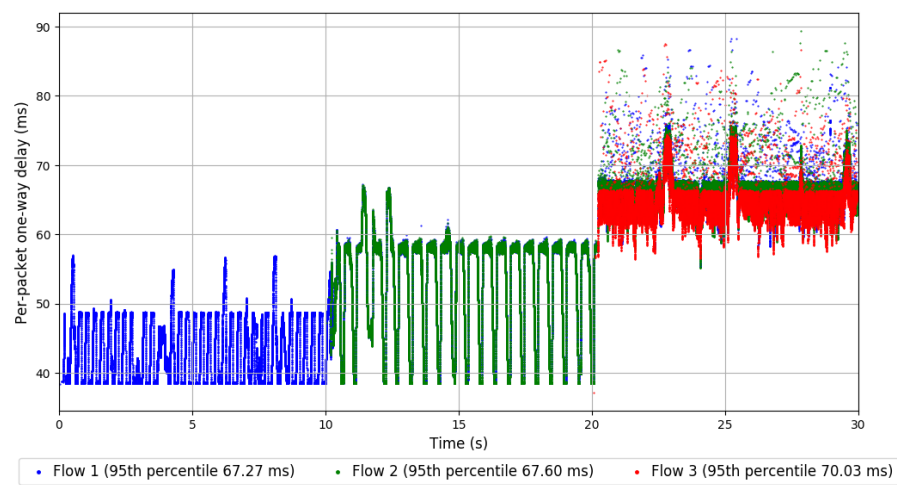
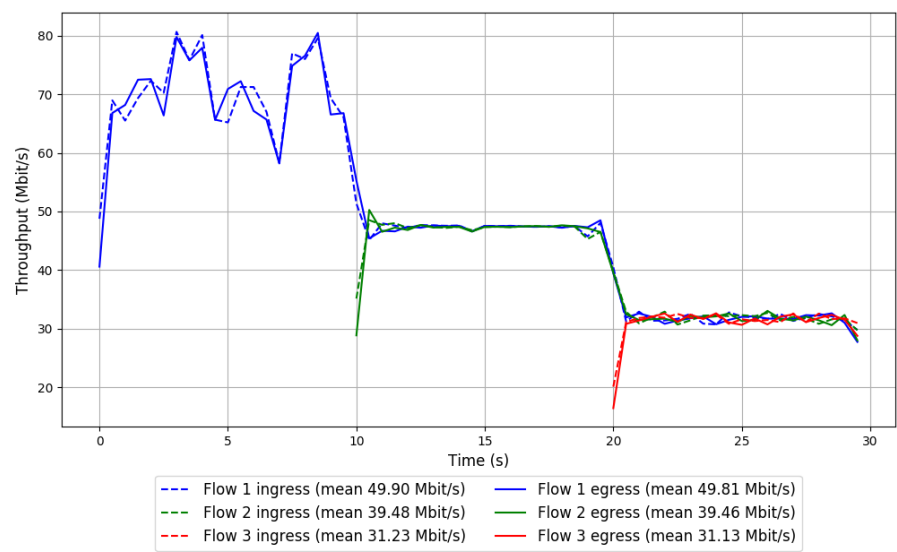


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-10 19:35:41
End at: 2018-04-10 19:36:11
Local clock offset: -0.012 ms
Remote clock offset: -3.164 ms

Below is generated by plot.py at 2018-04-11 03:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 67.491 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 67.274 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 67.600 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 70.031 ms
Loss rate: 1.15%

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

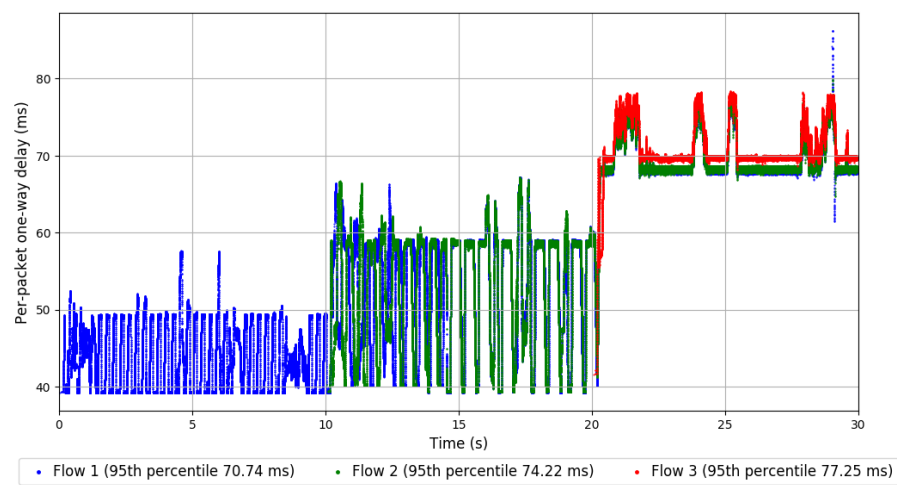
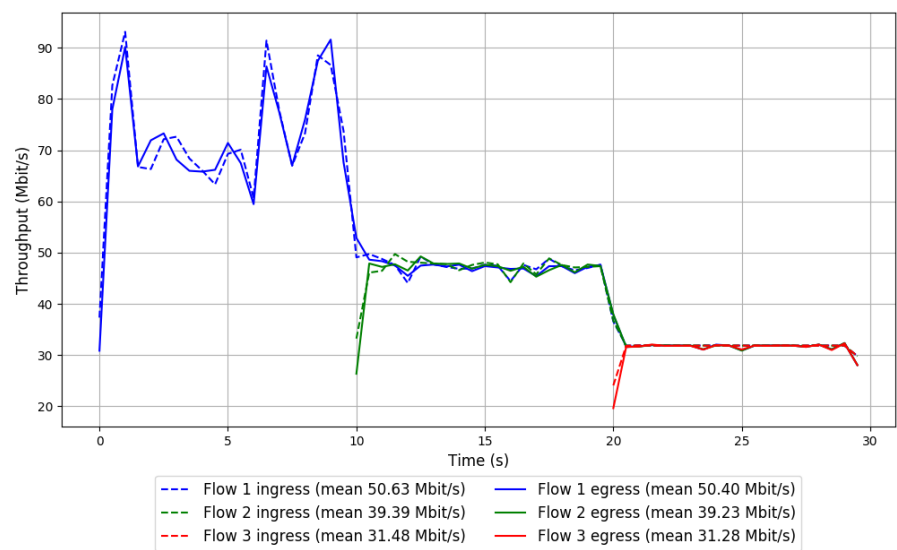


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-10 20:00:37
End at: 2018-04-10 20:01:07
Local clock offset: 0.217 ms
Remote clock offset: -4.597 ms

Below is generated by plot.py at 2018-04-11 03:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 74.304 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 50.40 Mbit/s
95th percentile per-packet one-way delay: 70.738 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 74.221 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 77.245 ms
Loss rate: 1.33%

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

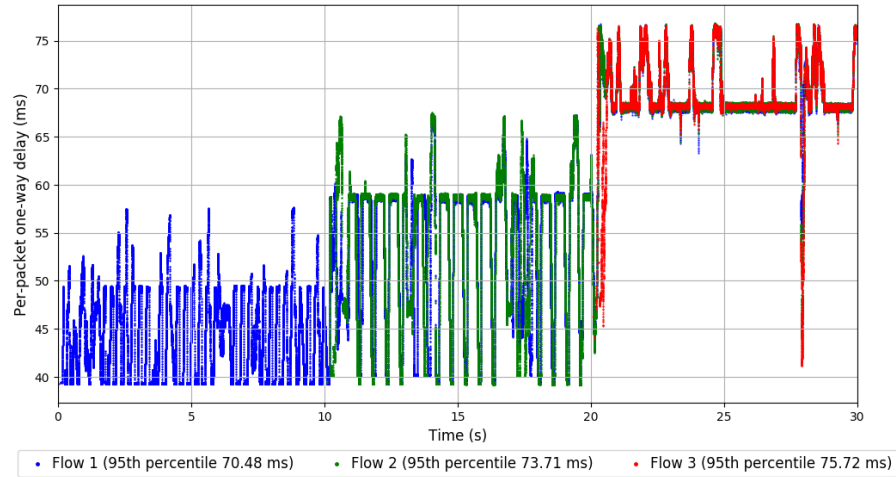
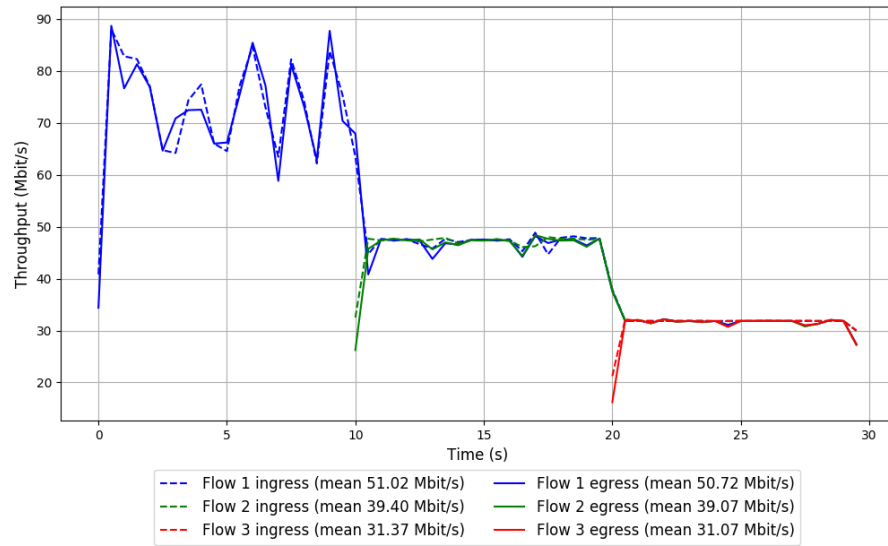


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-10 20:26:34
End at: 2018-04-10 20:27:04
Local clock offset: 0.599 ms
Remote clock offset: -3.487 ms

Below is generated by plot.py at 2018-04-11 03:10:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 73.127 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 70.485 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 73.709 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 75.722 ms
Loss rate: 1.70%

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

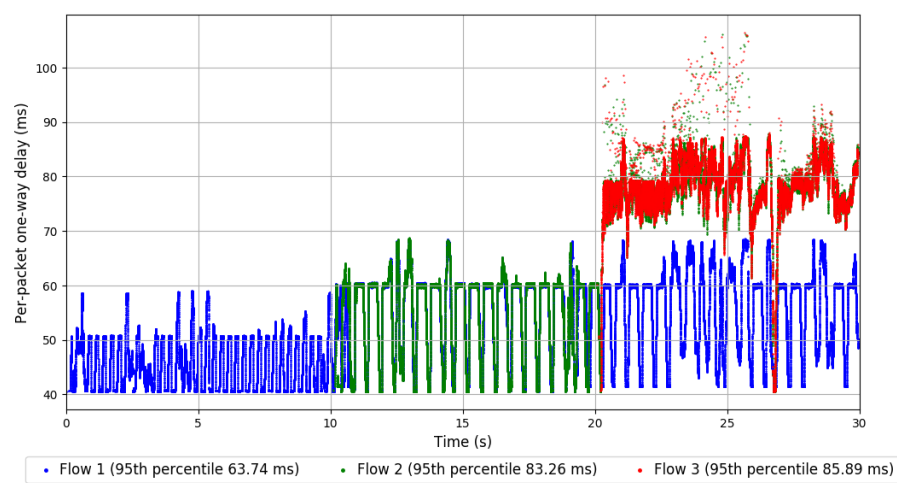
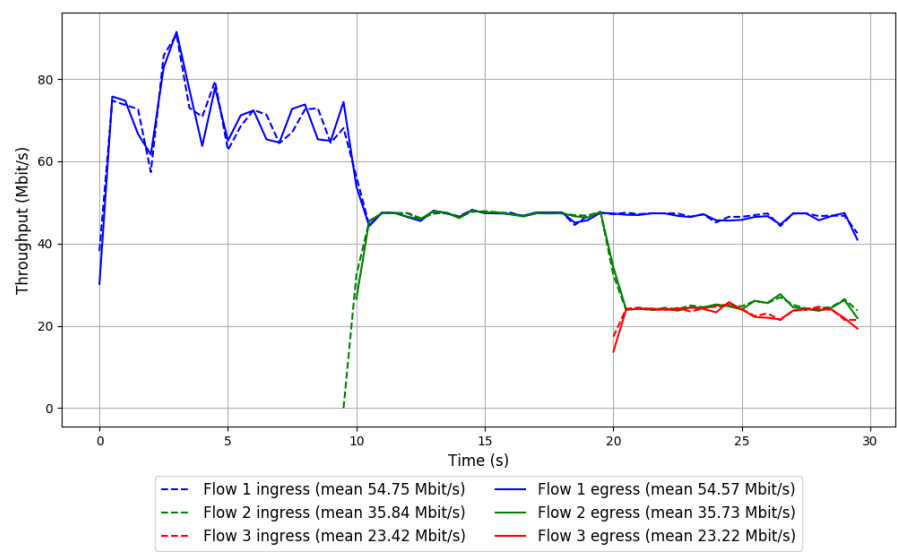


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-10 20:52:19
End at: 2018-04-10 20:52:49
Local clock offset: 0.043 ms
Remote clock offset: -5.635 ms

Below is generated by plot.py at 2018-04-11 03:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 80.851 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 54.57 Mbit/s
95th percentile per-packet one-way delay: 63.737 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 83.259 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 85.894 ms
Loss rate: 1.70%

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

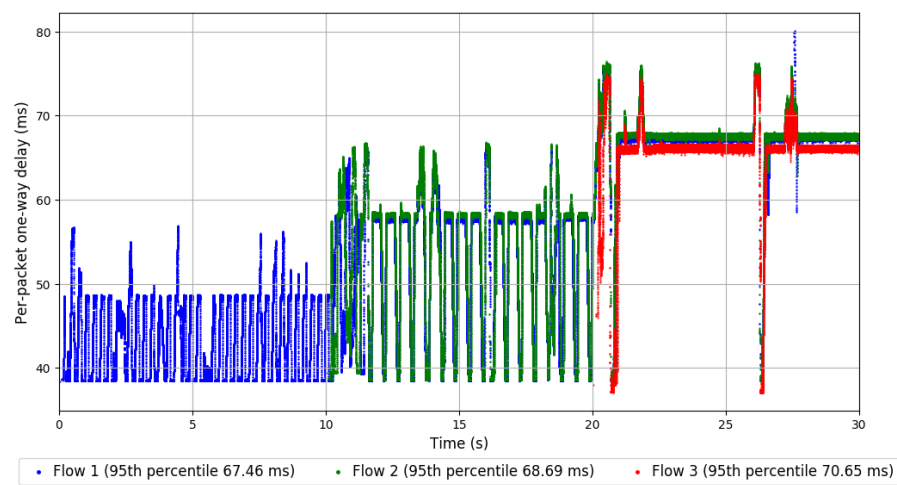
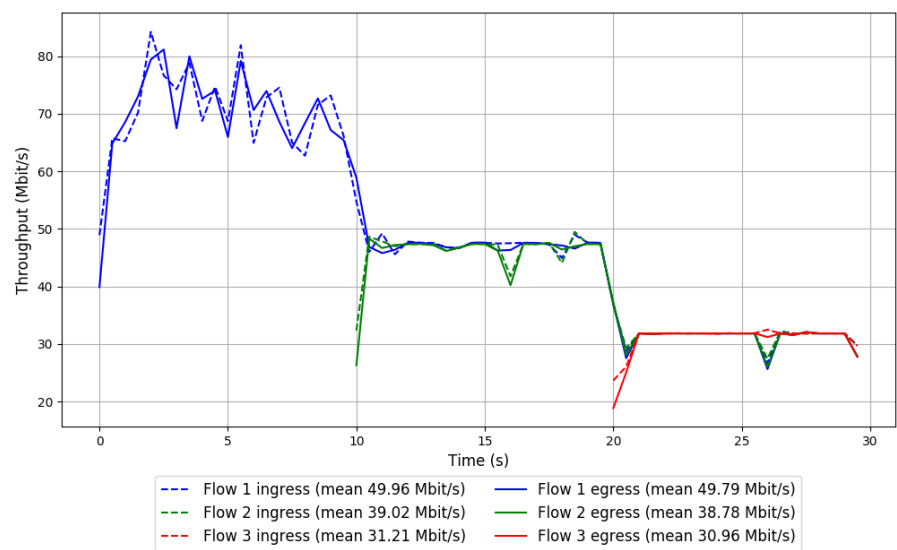


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-10 21:18:06
End at: 2018-04-10 21:18:36
Local clock offset: -0.159 ms
Remote clock offset: -3.497 ms

Below is generated by plot.py at 2018-04-11 03:10:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.83 Mbit/s
95th percentile per-packet one-way delay: 67.881 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 67.456 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 68.695 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 70.647 ms
Loss rate: 1.47%

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

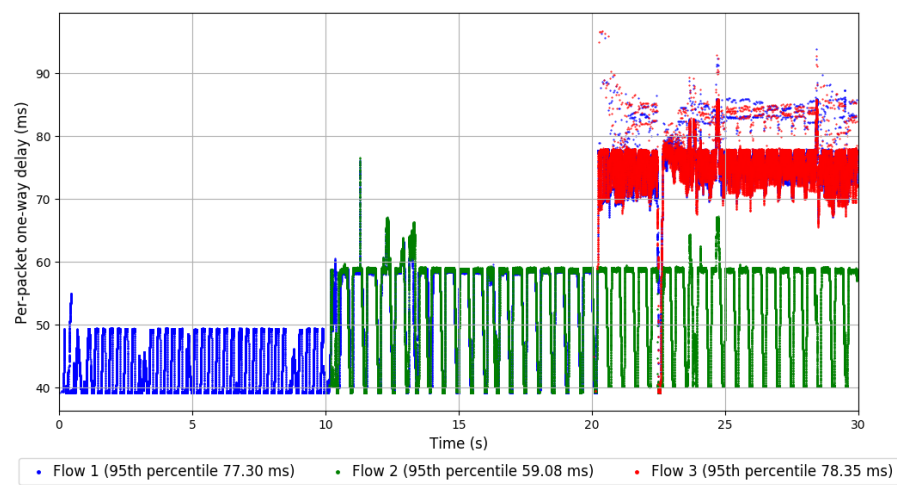
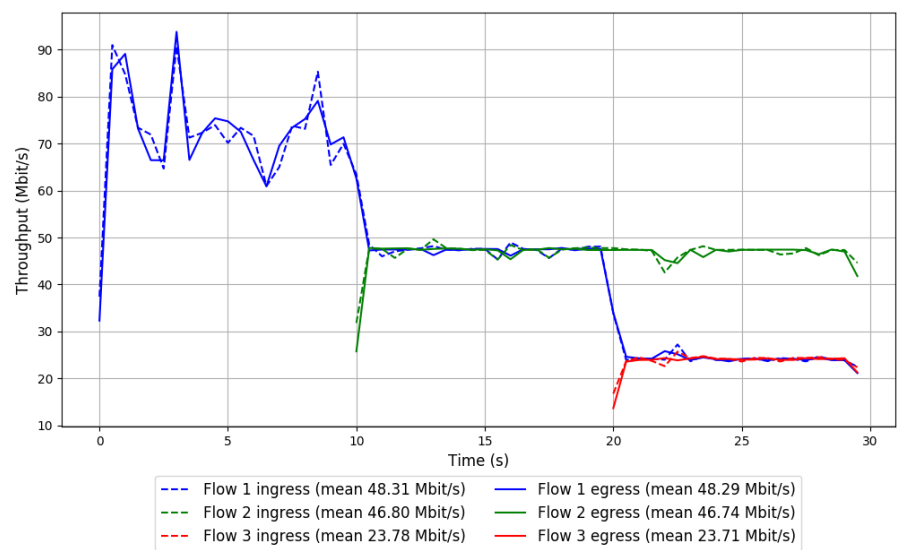


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-10 21:43:46
End at: 2018-04-10 21:44:16
Local clock offset: 0.276 ms
Remote clock offset: -4.425 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 77.366 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 48.29 Mbit/s
95th percentile per-packet one-way delay: 77.301 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 46.74 Mbit/s
95th percentile per-packet one-way delay: 59.077 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 78.347 ms
Loss rate: 1.08%

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

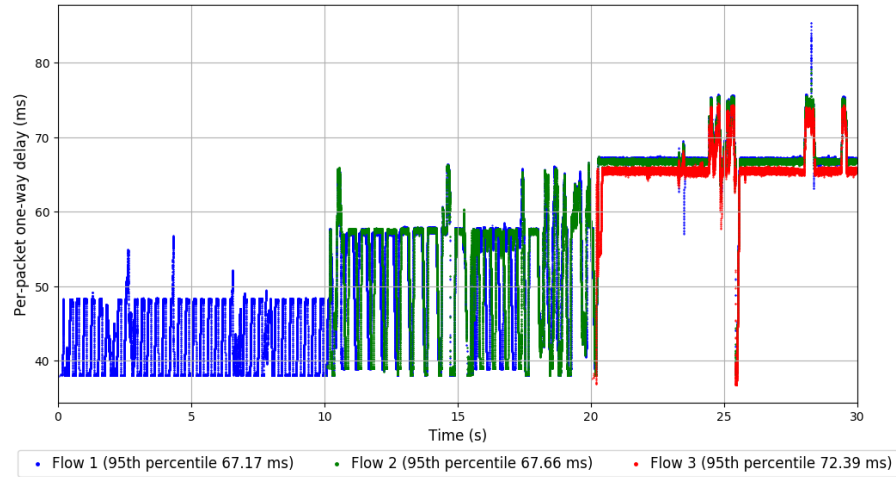
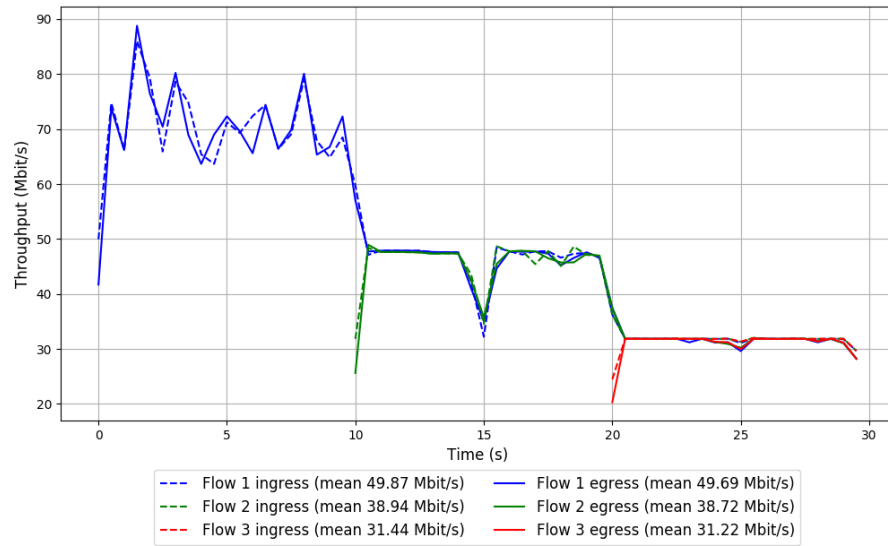


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-10 22:08:37
End at: 2018-04-10 22:09:07
Local clock offset: 0.754 ms
Remote clock offset: -0.824 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 67.237 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 67.167 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 38.72 Mbit/s
95th percentile per-packet one-way delay: 67.659 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 72.389 ms
Loss rate: 1.51%

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

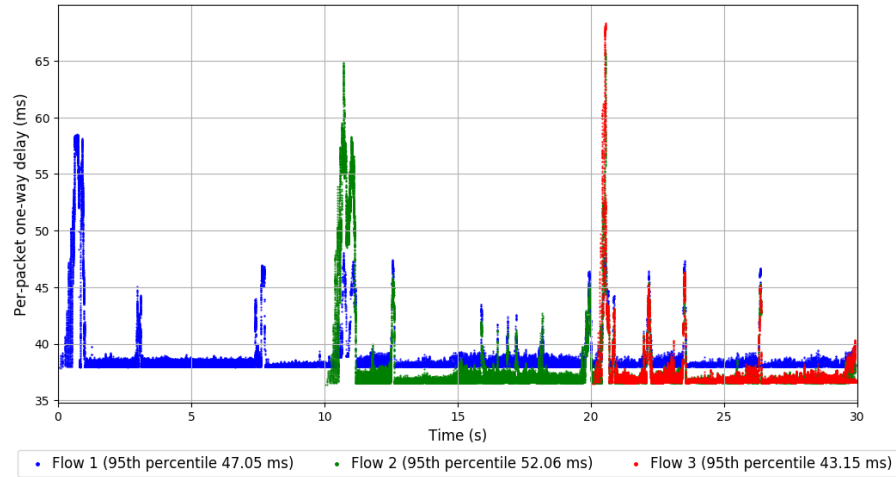
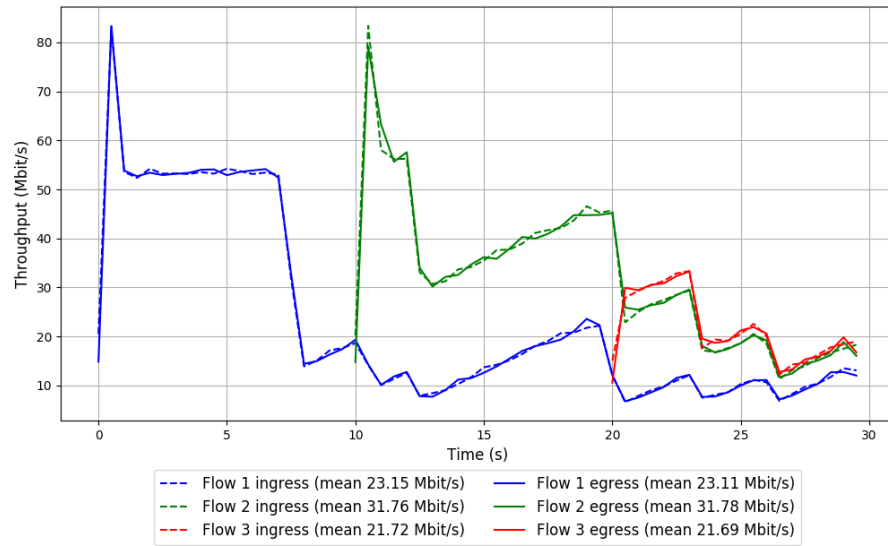


Run 1: Statistics of TCP Vegas

Start at: 2018-04-10 18:33:16
End at: 2018-04-10 18:33:46
Local clock offset: 0.106 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.41 Mbit/s
95th percentile per-packet one-way delay: 49.889 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 47.047 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 52.057 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 21.69 Mbit/s
95th percentile per-packet one-way delay: 43.146 ms
Loss rate: 0.78%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-10 18:58:16

End at: 2018-04-10 18:58:46

Local clock offset: 0.115 ms

Remote clock offset: -2.08 ms

Below is generated by plot.py at 2018-04-11 03:12:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 48.268 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 49.059 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 11.06 Mbit/s

95th percentile per-packet one-way delay: 43.442 ms

Loss rate: 0.96%

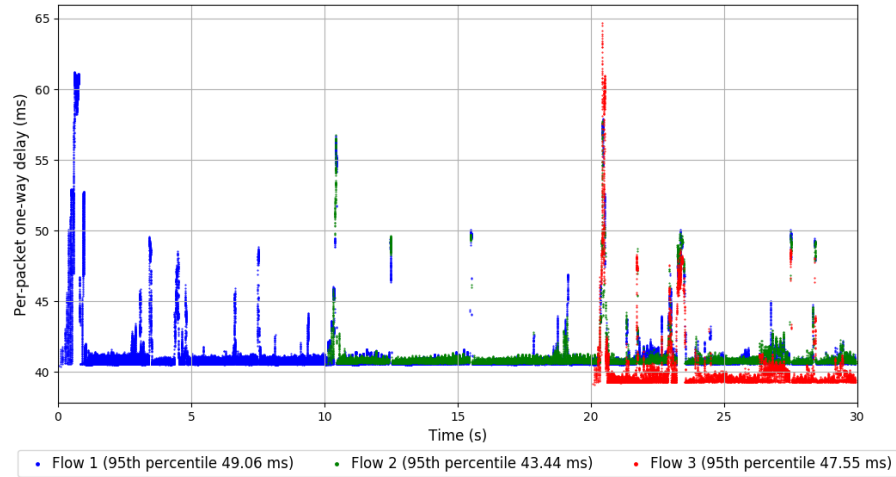
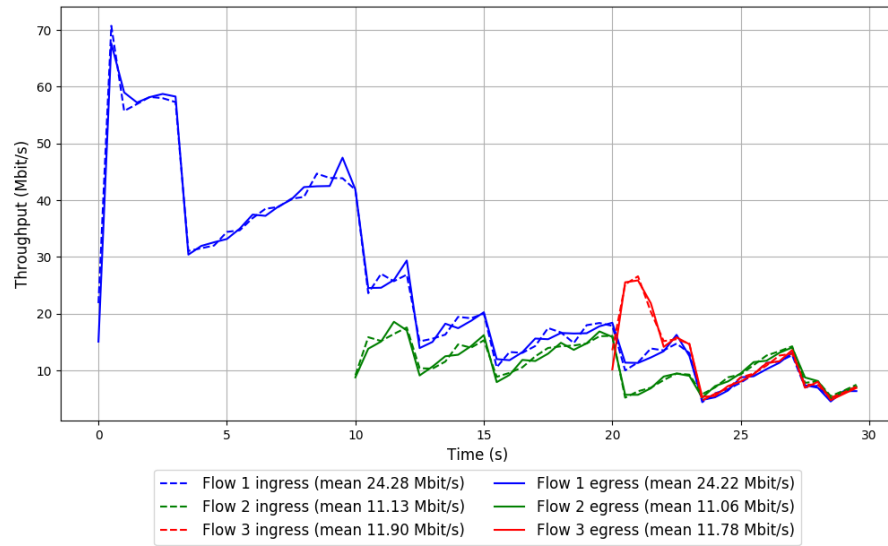
-- Flow 3:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 47.551 ms

Loss rate: 1.70%

Run 2: Report of TCP Vegas — Data Link

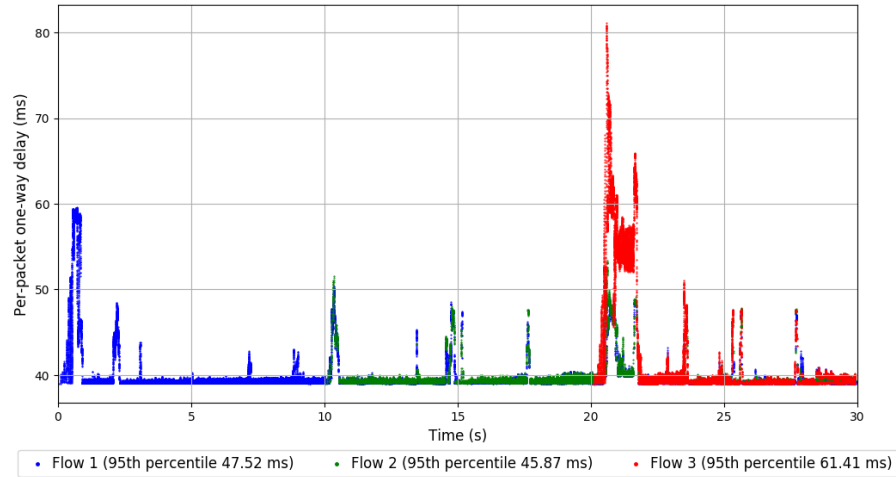
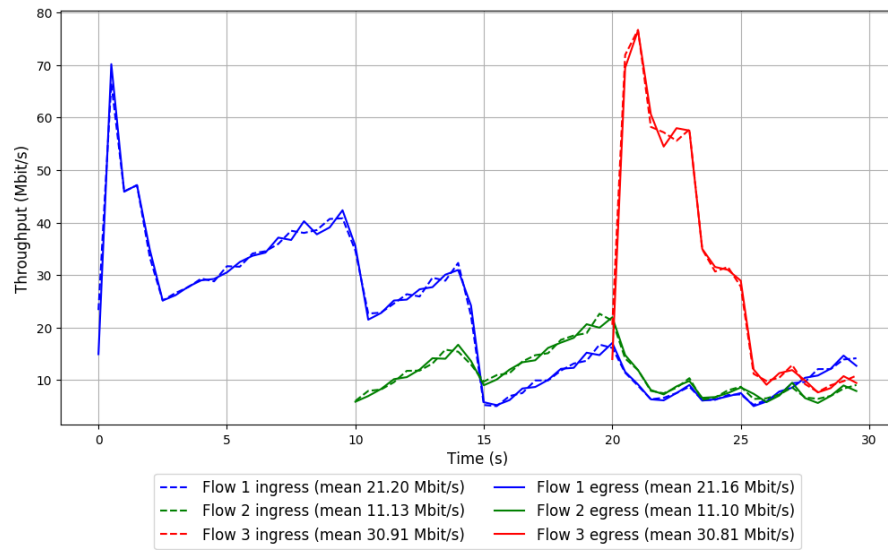


Run 3: Statistics of TCP Vegas

Start at: 2018-04-10 19:23:22
End at: 2018-04-10 19:23:52
Local clock offset: -0.17 ms
Remote clock offset: -3.606 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 56.145 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 47.519 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 45.871 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 61.406 ms
Loss rate: 0.98%

Run 3: Report of TCP Vegas — Data Link

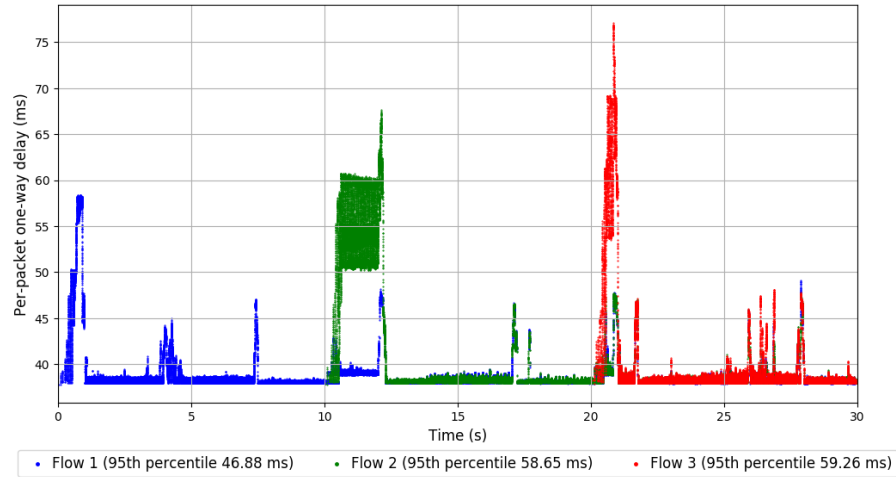
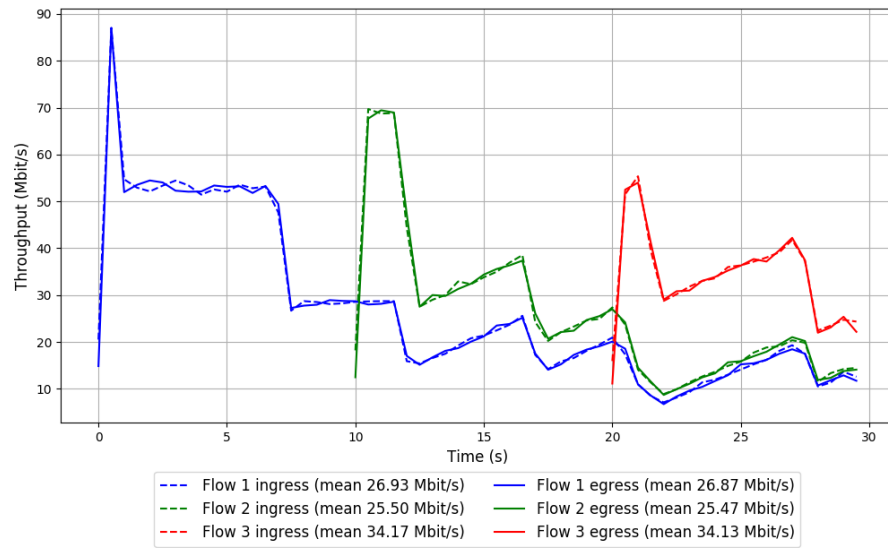


Run 4: Statistics of TCP Vegas

Start at: 2018-04-10 19:48:09
End at: 2018-04-10 19:48:39
Local clock offset: -0.192 ms
Remote clock offset: -3.708 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 55.927 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 46.878 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 58.650 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 34.13 Mbit/s
95th percentile per-packet one-way delay: 59.257 ms
Loss rate: 0.82%

Run 4: Report of TCP Vegas — Data Link

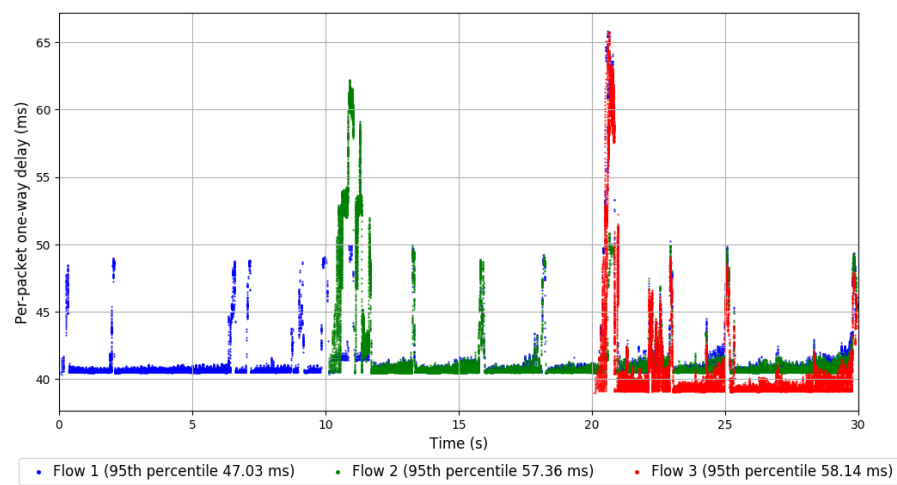
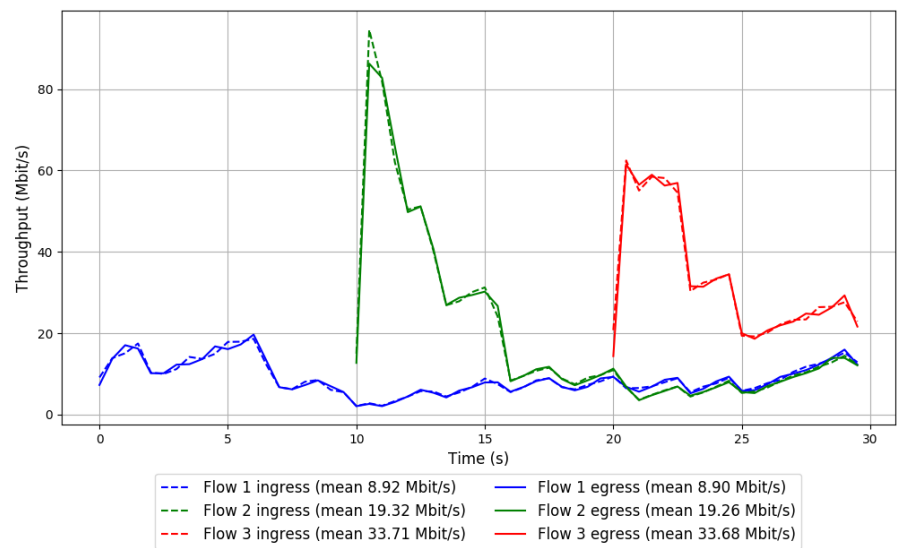


Run 5: Statistics of TCP Vegas

Start at: 2018-04-10 20:13:32
End at: 2018-04-10 20:14:02
Local clock offset: 0.293 ms
Remote clock offset: -3.562 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 53.377 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 47.029 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 57.361 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 58.140 ms
Loss rate: 0.72%

Run 5: Report of TCP Vegas — Data Link

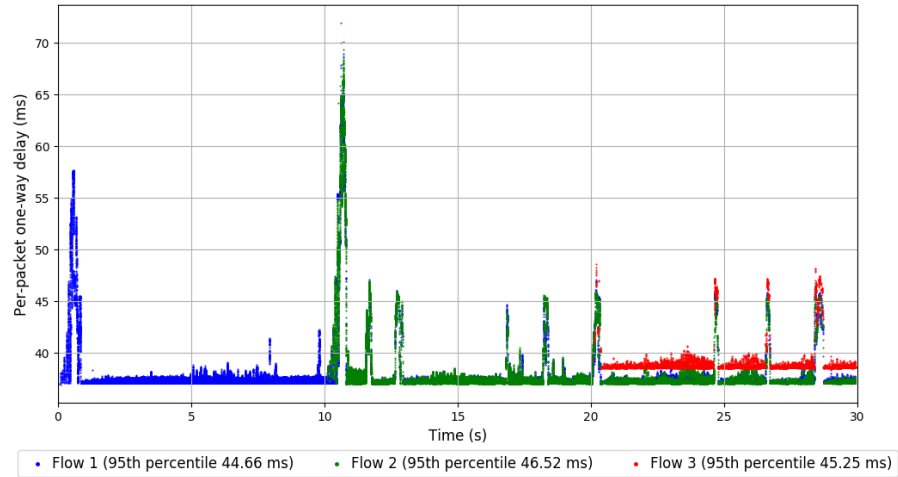
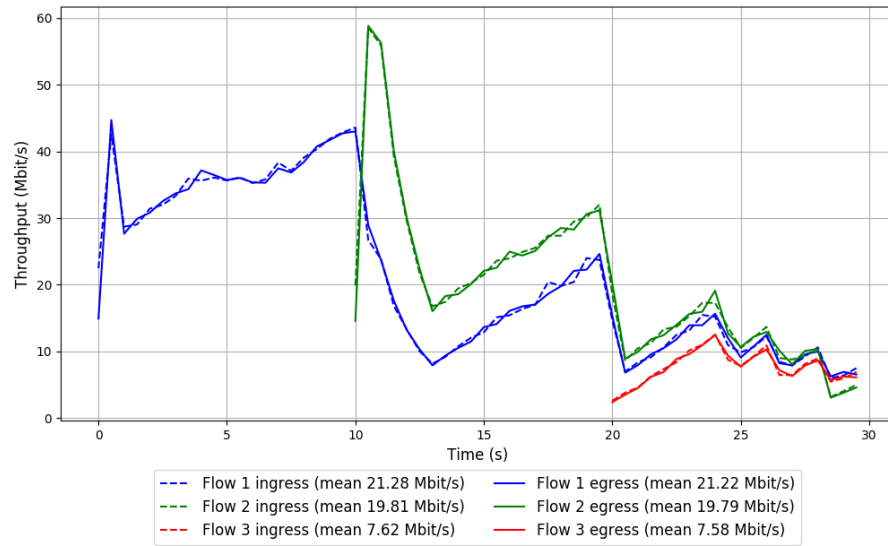


Run 6: Statistics of TCP Vegas

Start at: 2018-04-10 20:39:28
End at: 2018-04-10 20:39:58
Local clock offset: 0.478 ms
Remote clock offset: -2.888 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 45.278 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 44.664 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 46.517 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 45.250 ms
Loss rate: 1.14%

Run 6: Report of TCP Vegas — Data Link

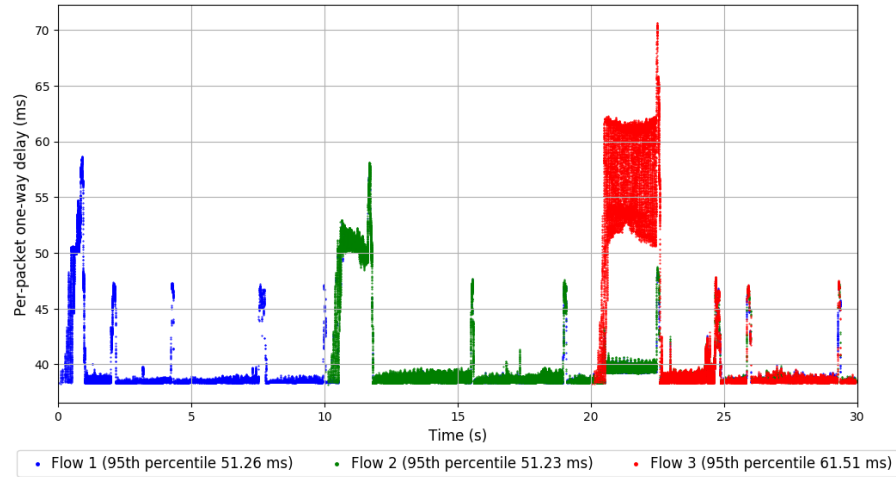
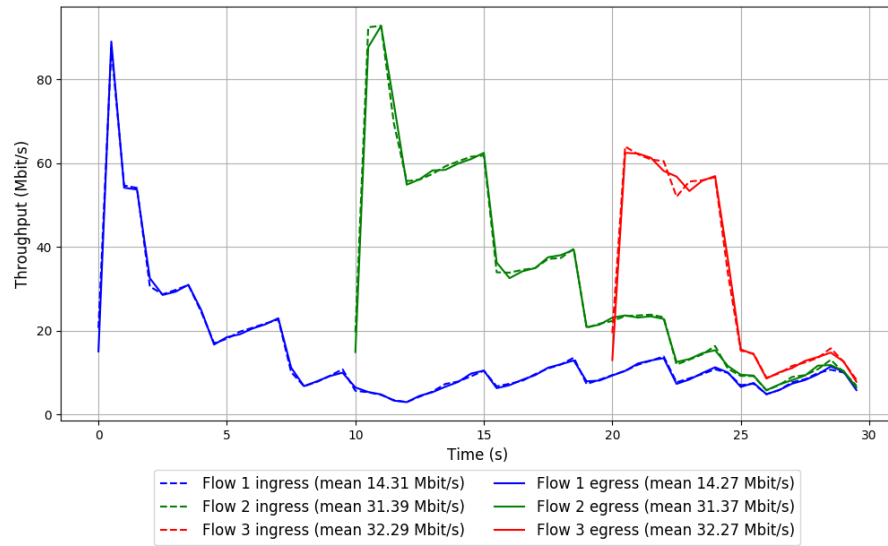


Run 7: Statistics of TCP Vegas

Start at: 2018-04-10 21:05:12
End at: 2018-04-10 21:05:42
Local clock offset: -0.25 ms
Remote clock offset: -3.586 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 57.394 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 51.225 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 61.508 ms
Loss rate: 0.75%

Run 7: Report of TCP Vegas — Data Link

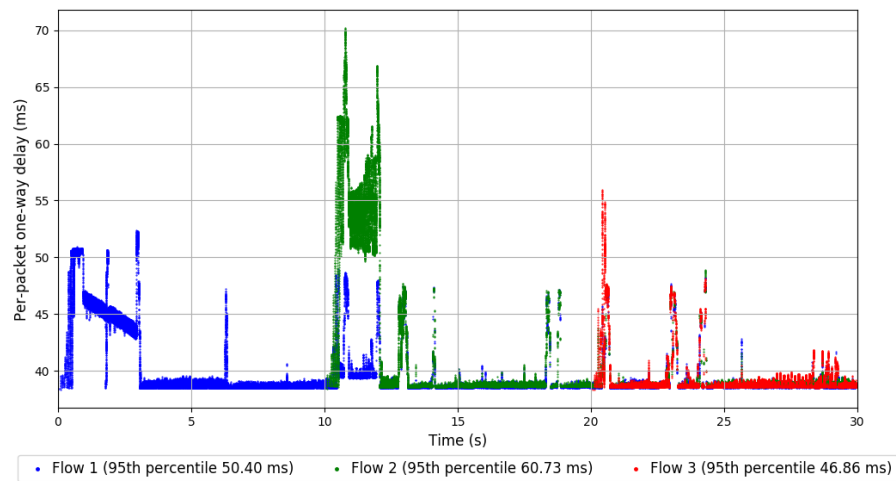
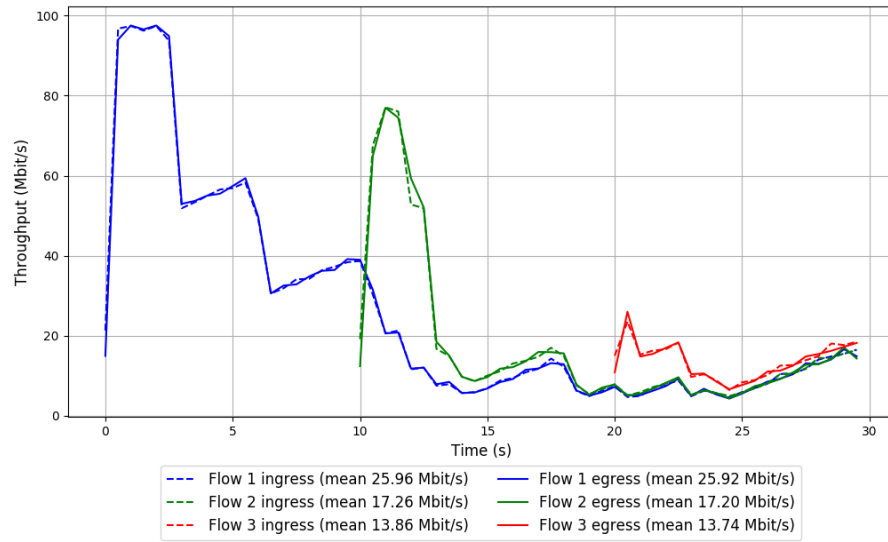


Run 8: Statistics of TCP Vegas

Start at: 2018-04-10 21:31:09
End at: 2018-04-10 21:31:39
Local clock offset: -0.293 ms
Remote clock offset: -3.564 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 54.308 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 25.92 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 60.730 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 13.74 Mbit/s
95th percentile per-packet one-way delay: 46.857 ms
Loss rate: 1.54%

Run 8: Report of TCP Vegas — Data Link

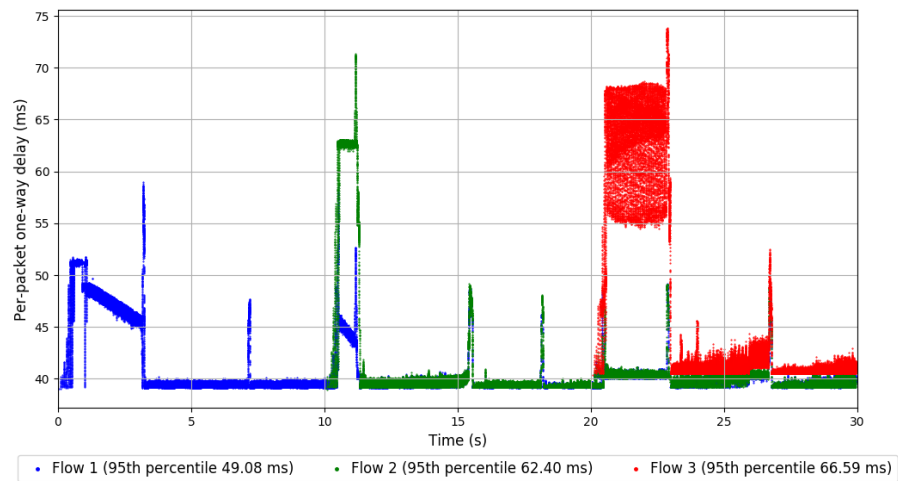
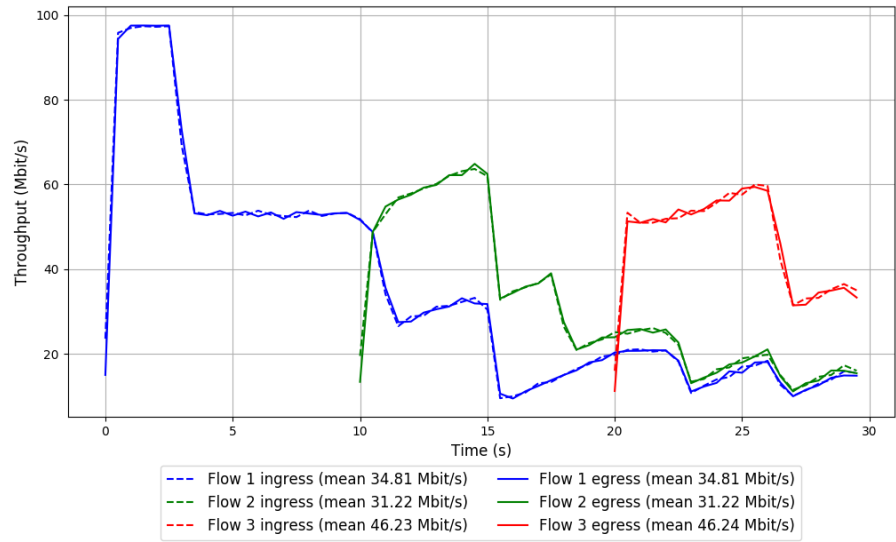


Run 9: Statistics of TCP Vegas

Start at: 2018-04-10 21:56:12
End at: 2018-04-10 21:56:42
Local clock offset: 0.566 ms
Remote clock offset: -3.636 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.86 Mbit/s
95th percentile per-packet one-way delay: 62.461 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 34.81 Mbit/s
95th percentile per-packet one-way delay: 49.080 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 62.396 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 66.593 ms
Loss rate: 0.65%

Run 9: Report of TCP Vegas — Data Link

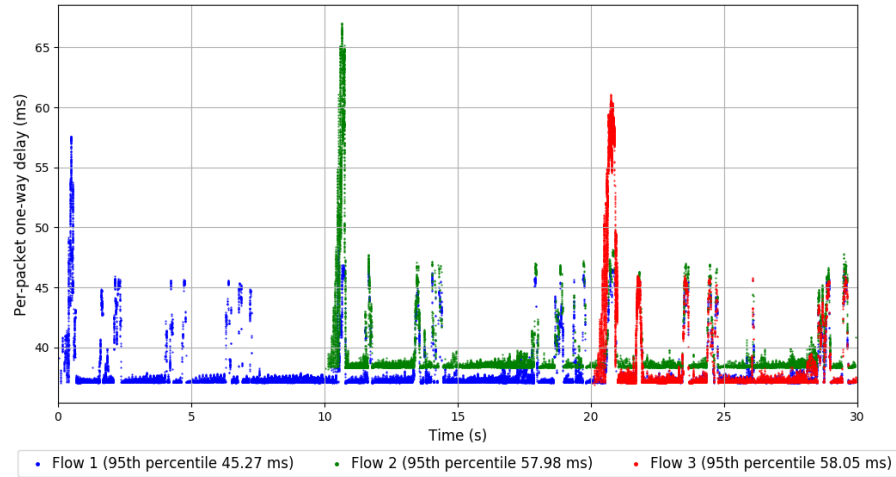
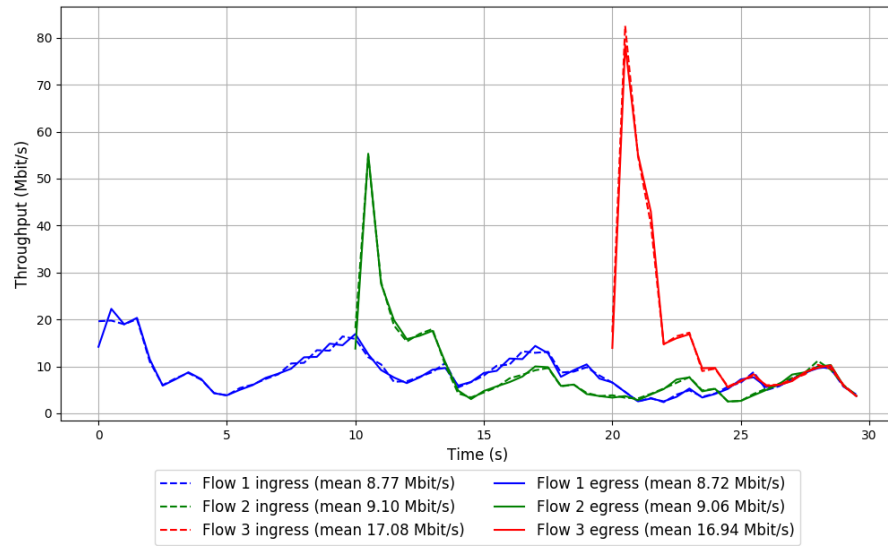


Run 10: Statistics of TCP Vegas

Start at: 2018-04-10 22:21:33
End at: 2018-04-10 22:22:03
Local clock offset: 0.368 ms
Remote clock offset: -2.794 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 55.880 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 45.269 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 57.979 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 58.046 ms
Loss rate: 1.36%

Run 10: Report of TCP Vegas — Data Link

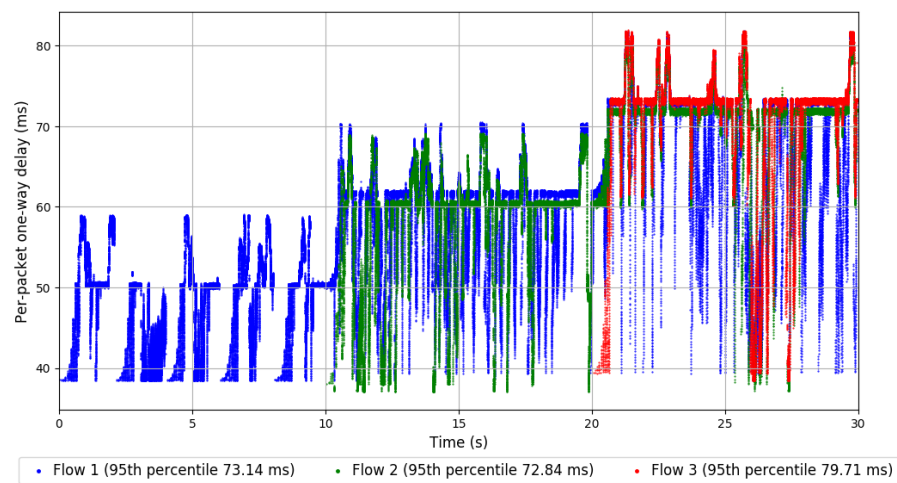
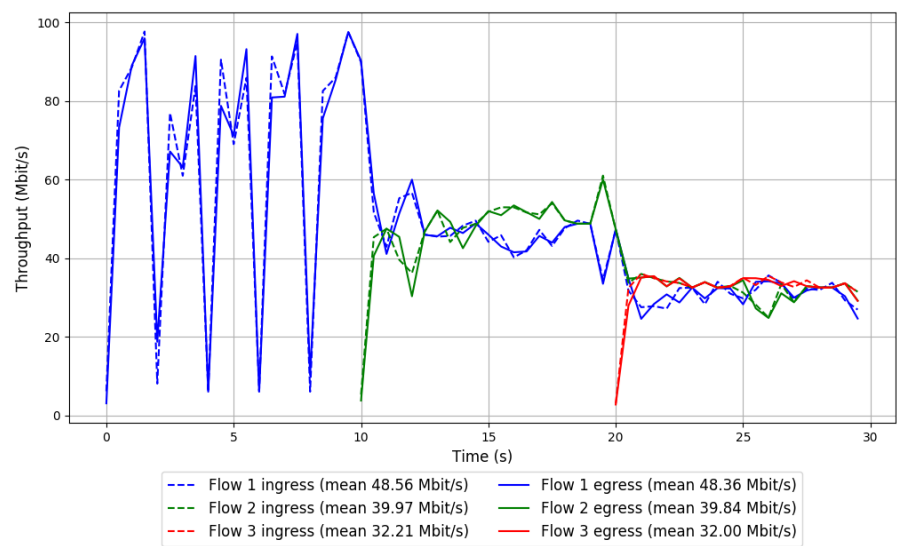


Run 1: Statistics of Verus

Start at: 2018-04-10 18:31:52
End at: 2018-04-10 18:32:22
Local clock offset: 0.105 ms
Remote clock offset: -0.713 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.41 Mbit/s
95th percentile per-packet one-way delay: 73.396 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 73.144 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 72.836 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 79.711 ms
Loss rate: 1.26%

Run 1: Report of Verus — Data Link

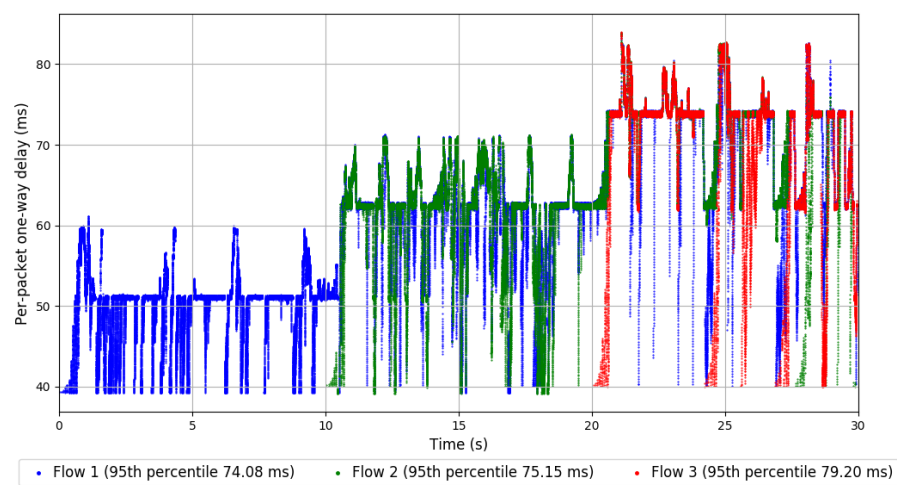
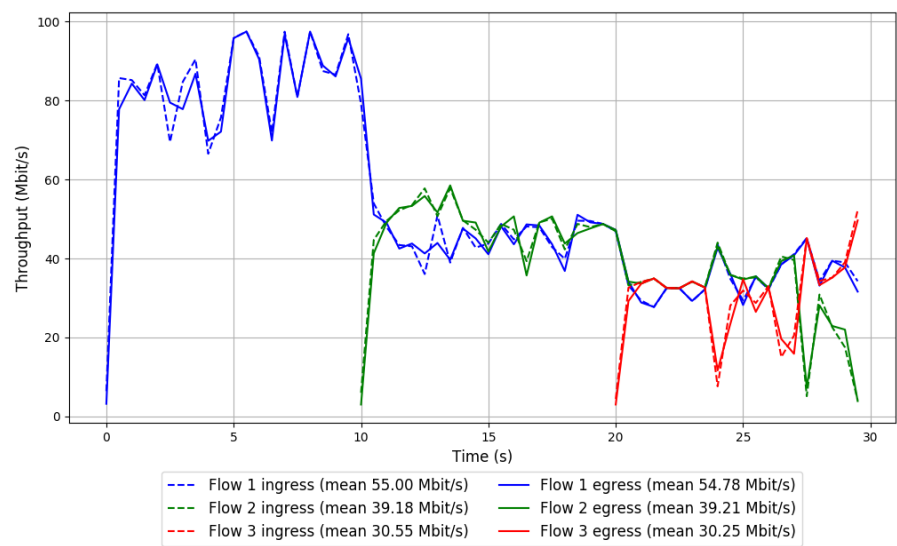


Run 2: Statistics of Verus

Start at: 2018-04-10 18:56:51
End at: 2018-04-10 18:57:21
Local clock offset: 0.037 ms
Remote clock offset: -2.063 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: 74.554 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 74.081 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 75.150 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 79.201 ms
Loss rate: 1.77%

Run 2: Report of Verus — Data Link

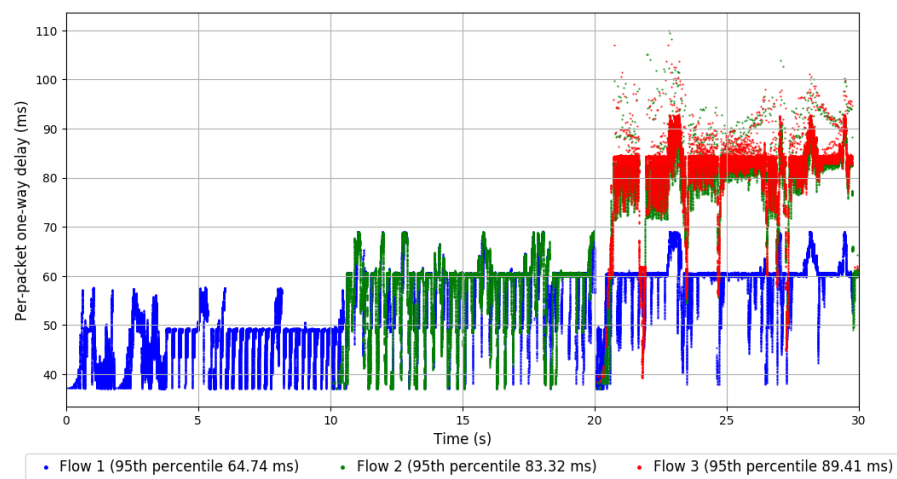
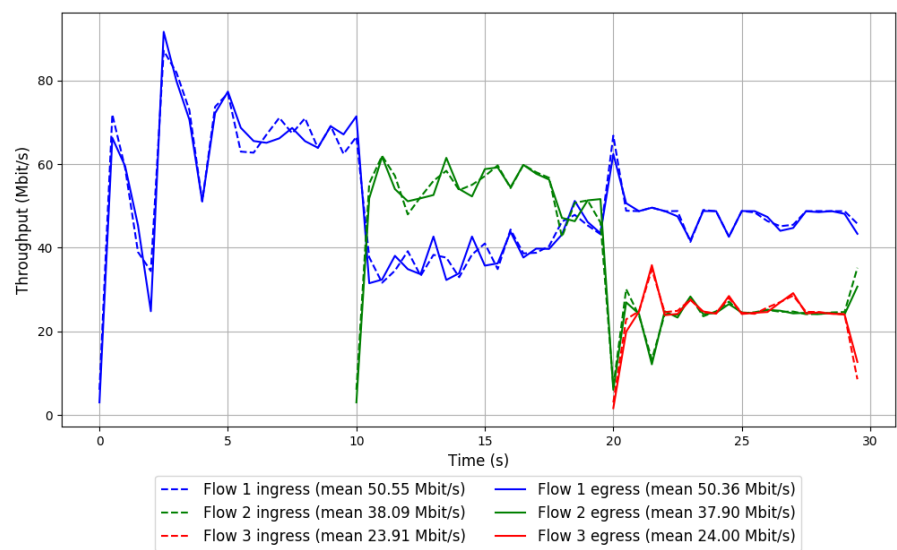


Run 3: Statistics of Verus

Start at: 2018-04-10 19:21:59
End at: 2018-04-10 19:22:29
Local clock offset: -0.132 ms
Remote clock offset: -1.284 ms

Below is generated by plot.py at 2018-04-11 03:12:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 83.914 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 64.744 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 83.324 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 89.405 ms
Loss rate: 0.32%

Run 3: Report of Verus — Data Link

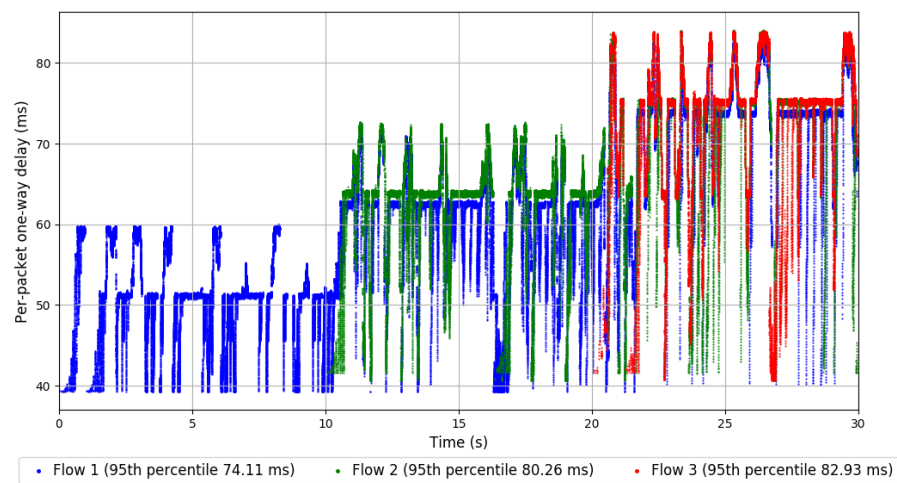
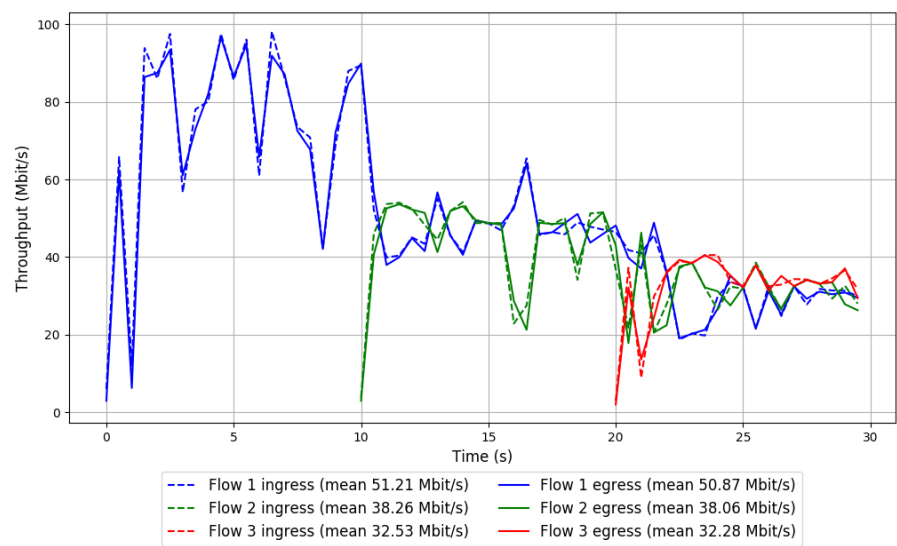


Run 4: Statistics of Verus

Start at: 2018-04-10 19:46:45
End at: 2018-04-10 19:47:15
Local clock offset: -0.093 ms
Remote clock offset: -6.156 ms

Below is generated by plot.py at 2018-04-11 03:12:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.83 Mbit/s
95th percentile per-packet one-way delay: 79.042 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 50.87 Mbit/s
95th percentile per-packet one-way delay: 74.115 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 80.257 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 82.928 ms
Loss rate: 1.60%

Run 4: Report of Verus — Data Link

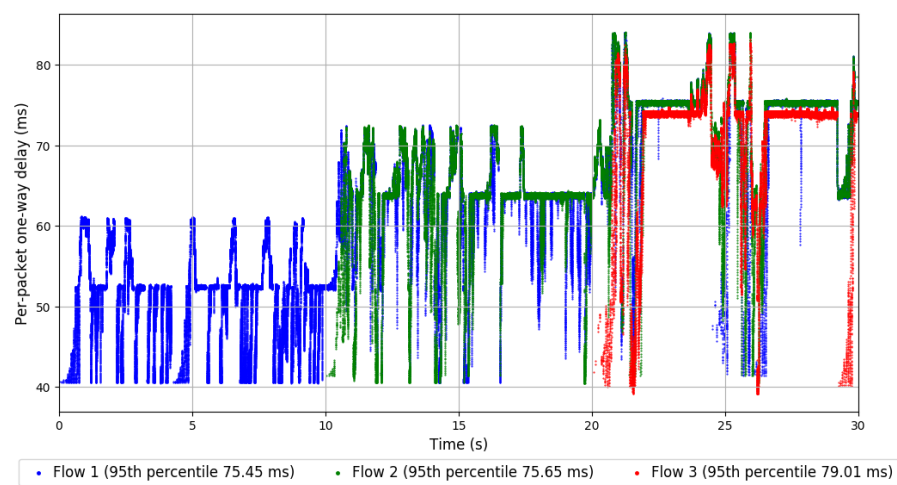
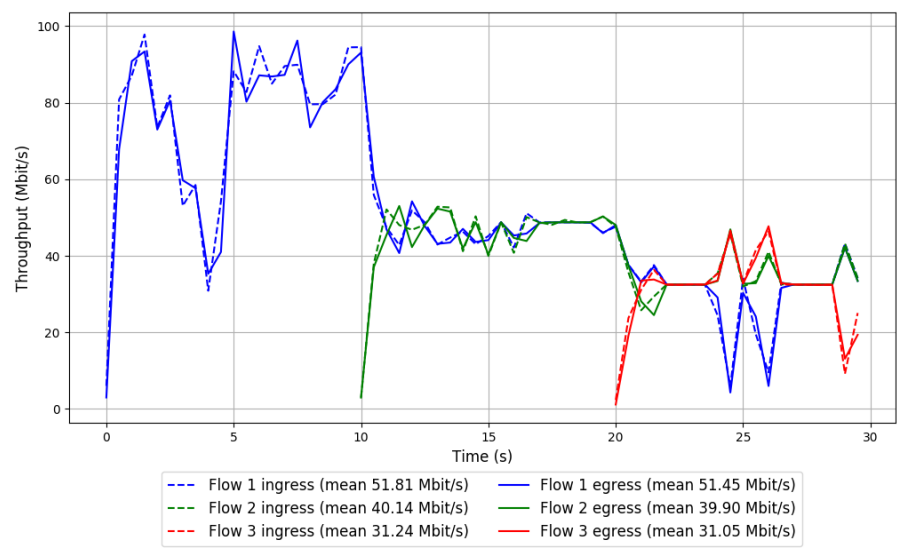


Run 5: Statistics of Verus

Start at: 2018-04-10 20:11:56
End at: 2018-04-10 20:12:26
Local clock offset: 0.304 ms
Remote clock offset: -3.645 ms

Below is generated by plot.py at 2018-04-11 03:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 75.512 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 75.451 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 75.654 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 79.013 ms
Loss rate: 1.47%

Run 5: Report of Verus — Data Link

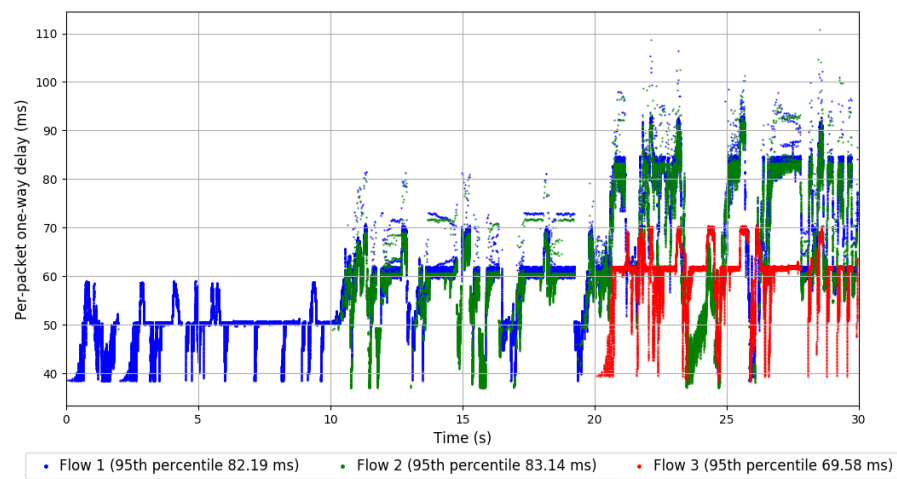
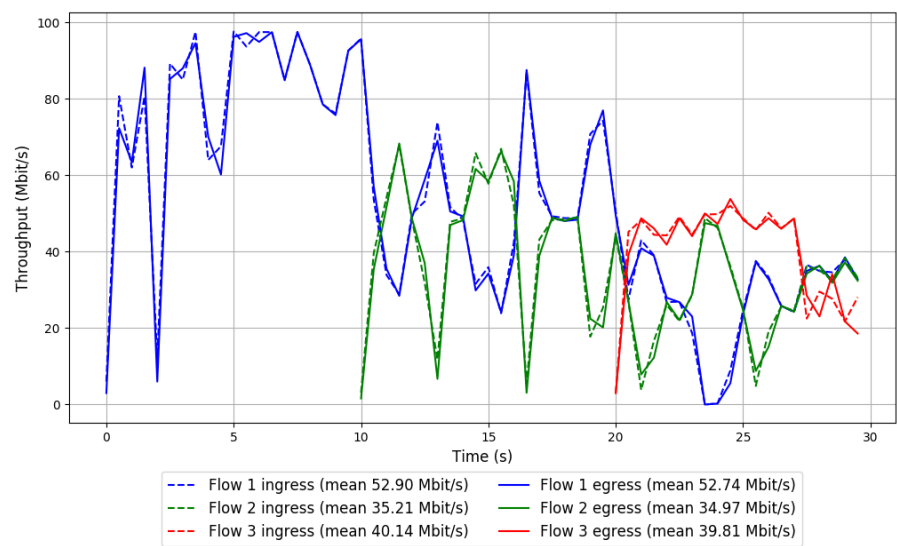


Run 6: Statistics of Verus

Start at: 2018-04-10 20:38:02
End at: 2018-04-10 20:38:32
Local clock offset: 0.629 ms
Remote clock offset: -2.755 ms

Below is generated by plot.py at 2018-04-11 03:13:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: 82.795 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 82.194 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 83.136 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 69.579 ms
Loss rate: 1.62%

Run 6: Report of Verus — Data Link

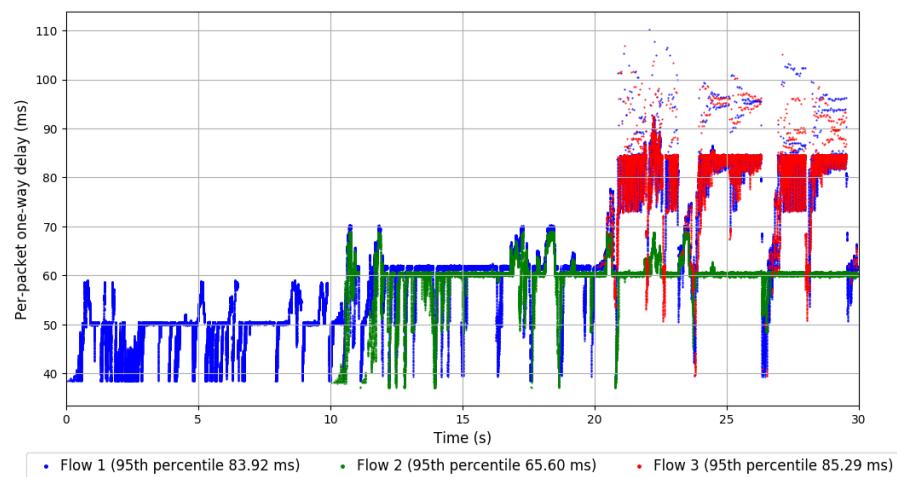
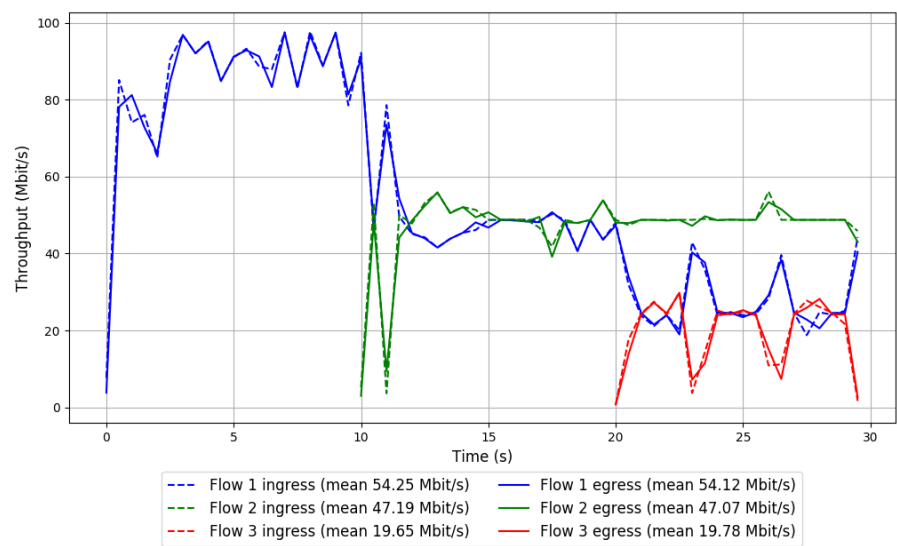


Run 7: Statistics of Verus

Start at: 2018-04-10 21:03:48
End at: 2018-04-10 21:04:18
Local clock offset: -0.245 ms
Remote clock offset: -3.646 ms

Below is generated by plot.py at 2018-04-11 03:13:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 84.107 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 83.925 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 65.598 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 85.290 ms
Loss rate: 0.26%

Run 7: Report of Verus — Data Link

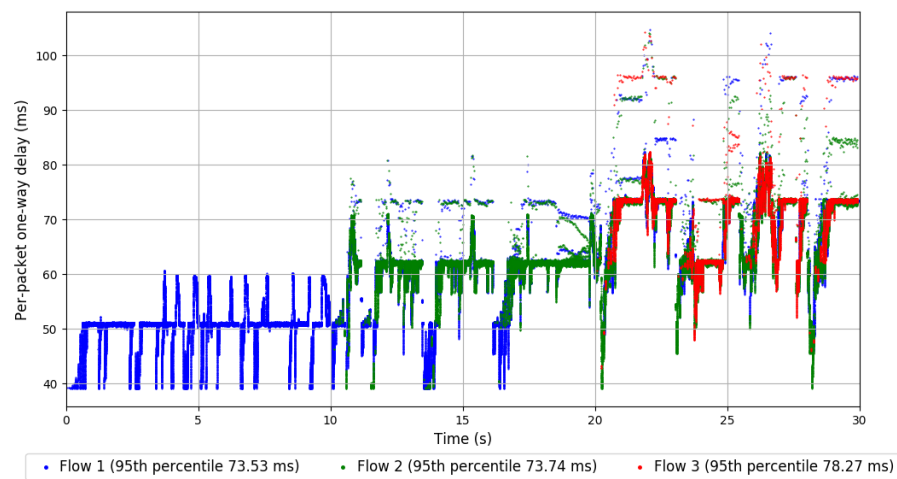
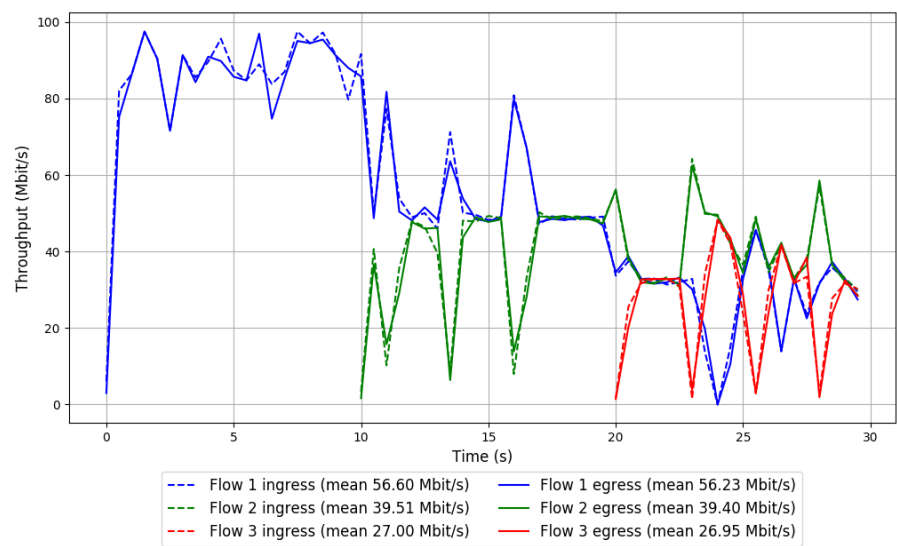


Run 8: Statistics of Verus

Start at: 2018-04-10 21:29:37
End at: 2018-04-10 21:30:07
Local clock offset: -0.4 ms
Remote clock offset: -5.567 ms

Below is generated by plot.py at 2018-04-11 03:14:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 73.684 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 73.528 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 73.739 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 78.269 ms
Loss rate: 1.34%

Run 8: Report of Verus — Data Link

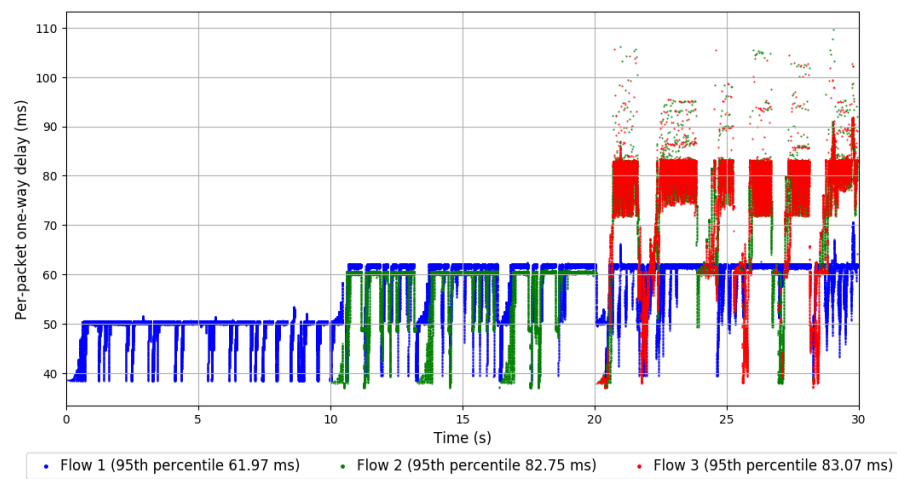
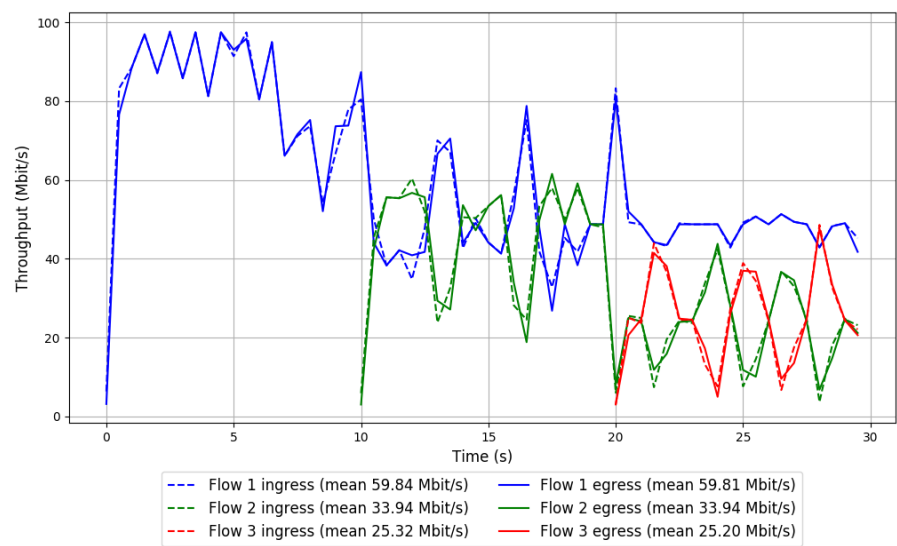


Run 9: Statistics of Verus

Start at: 2018-04-10 21:54:47
End at: 2018-04-10 21:55:17
Local clock offset: 0.434 ms
Remote clock offset: -1.692 ms

Below is generated by plot.py at 2018-04-11 03:14:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.71 Mbit/s
95th percentile per-packet one-way delay: 80.653 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 61.974 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 82.748 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 83.073 ms
Loss rate: 1.15%

Run 9: Report of Verus — Data Link

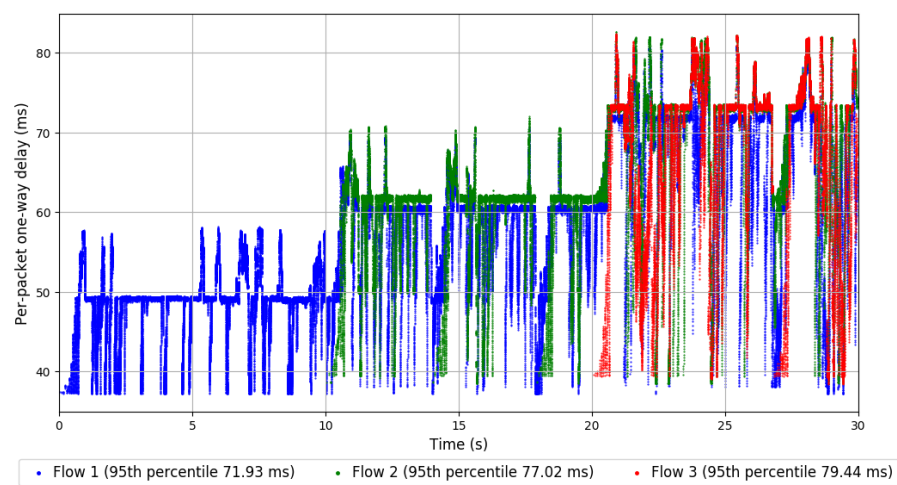
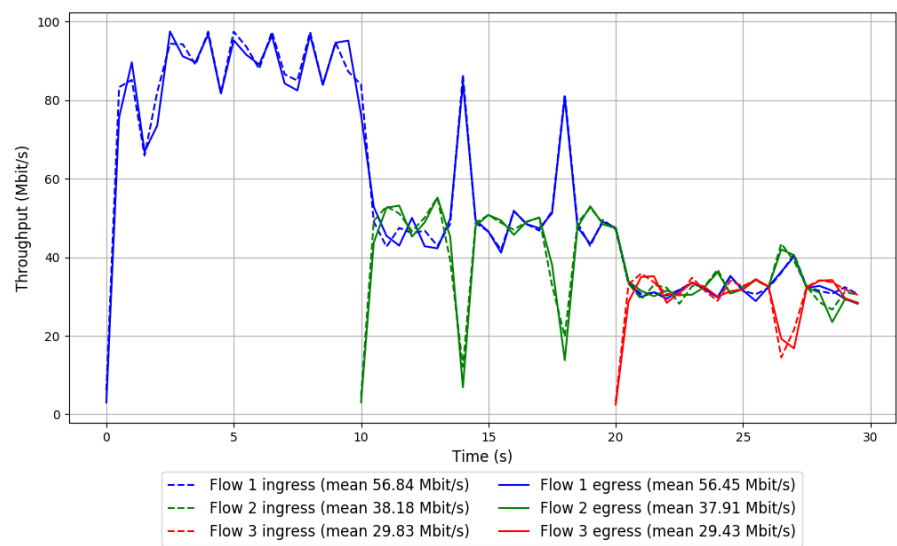


Run 10: Statistics of Verus

Start at: 2018-04-10 22:20:04
End at: 2018-04-10 22:20:34
Local clock offset: 0.459 ms
Remote clock offset: -2.715 ms

Below is generated by plot.py at 2018-04-11 03:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 74.666 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 71.932 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 77.018 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 79.435 ms
Loss rate: 2.16%

Run 10: Report of Verus — Data Link

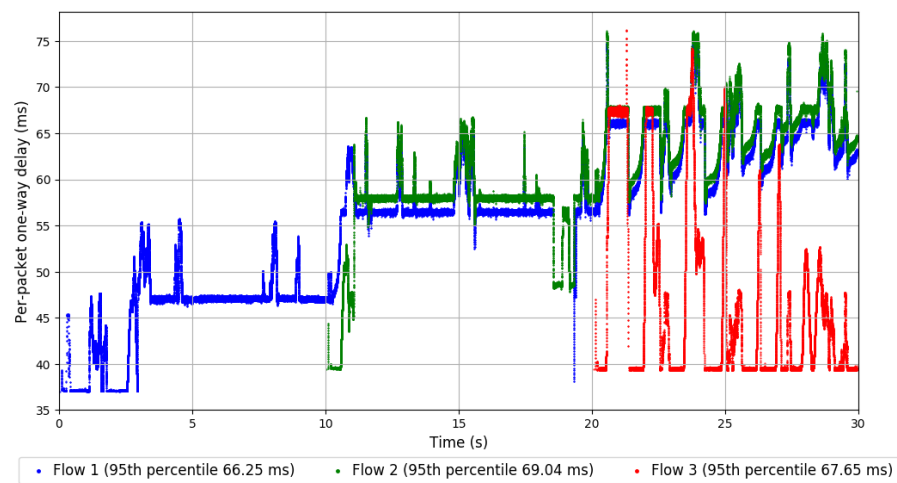
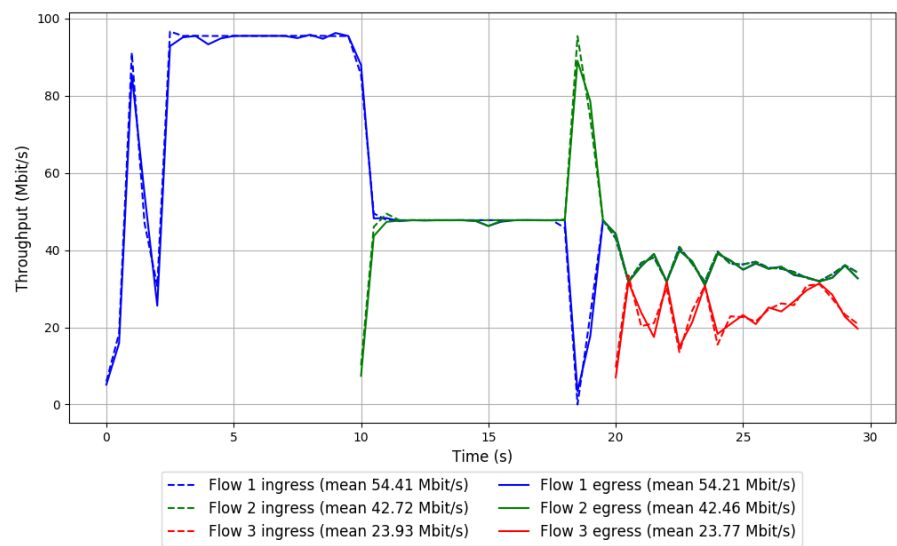


Run 1: Statistics of Copa

Start at: 2018-04-10 18:18:43
End at: 2018-04-10 18:19:13
Local clock offset: 0.65 ms
Remote clock offset: -1.901 ms

Below is generated by plot.py at 2018-04-11 03:15:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 67.694 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 66.247 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 69.044 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 67.651 ms
Loss rate: 1.33%

Run 1: Report of Copa — Data Link

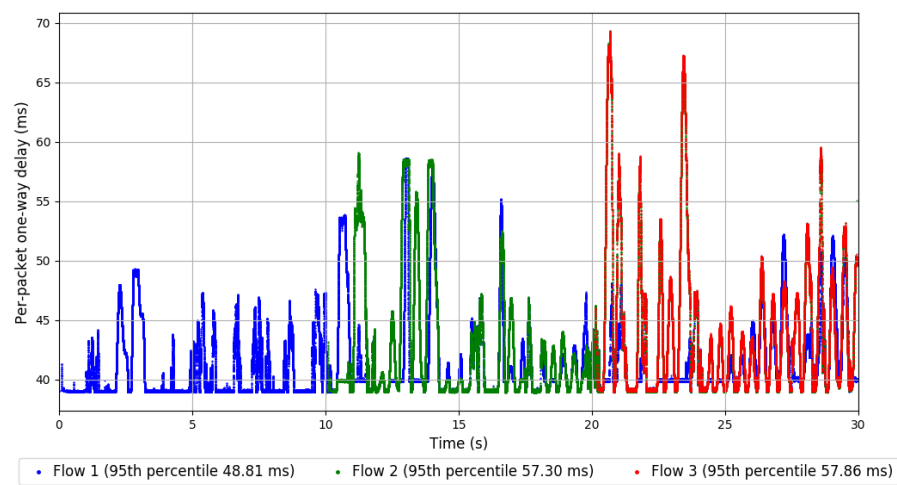
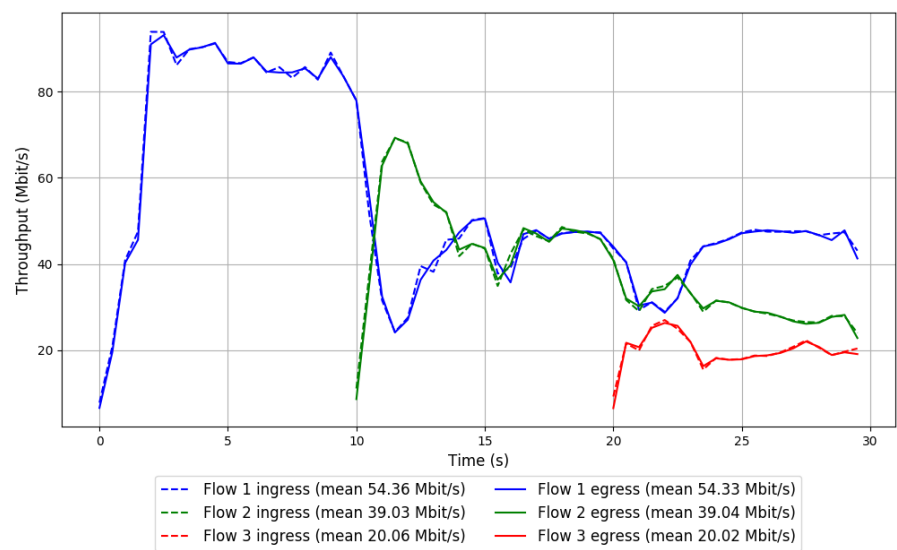


Run 2: Statistics of Copa

Start at: 2018-04-10 18:44:11
End at: 2018-04-10 18:44:41
Local clock offset: -0.165 ms
Remote clock offset: -2.165 ms

Below is generated by plot.py at 2018-04-11 03:15:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 52.895 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 48.814 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 57.305 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 57.863 ms
Loss rate: 0.89%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-10 19:09:28

End at: 2018-04-10 19:09:58

Local clock offset: -0.216 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-04-11 03:15:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.28 Mbit/s

95th percentile per-packet one-way delay: 67.940 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 60.55 Mbit/s

95th percentile per-packet one-way delay: 61.914 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 41.26 Mbit/s

95th percentile per-packet one-way delay: 70.278 ms

Loss rate: 0.68%

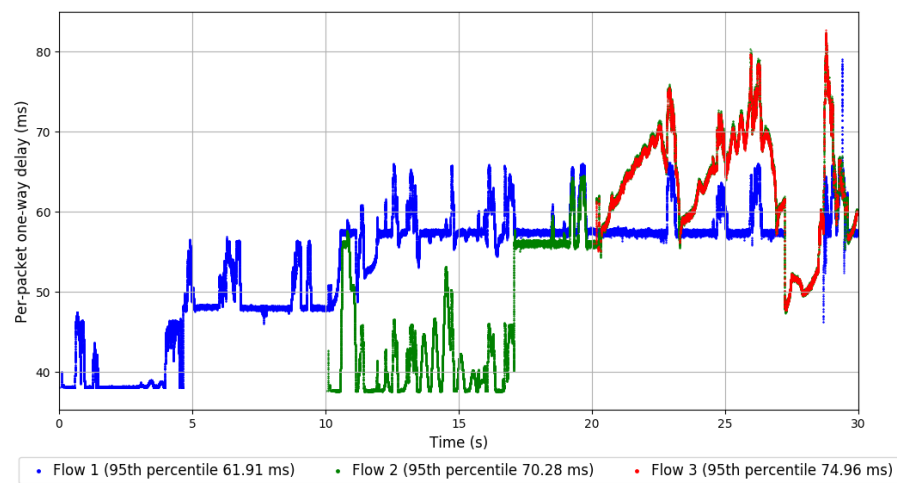
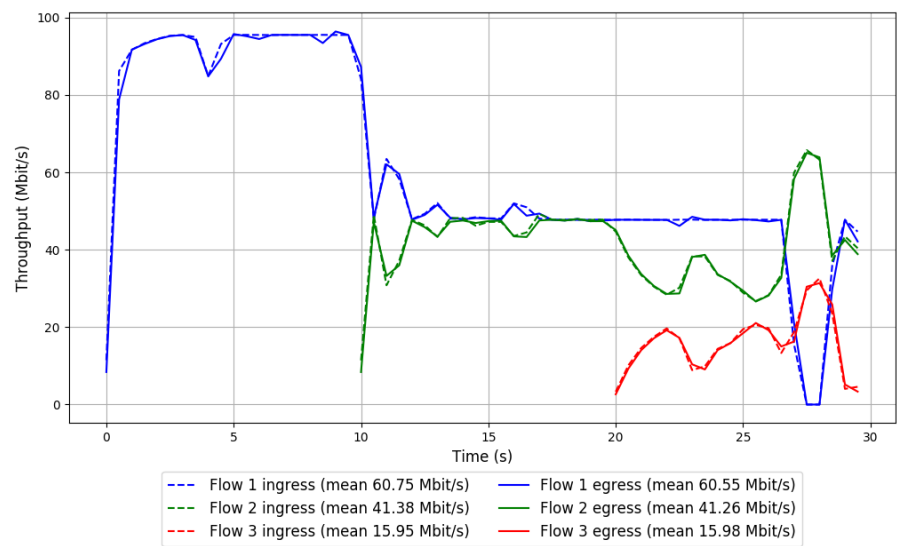
-- Flow 3:

Average throughput: 15.98 Mbit/s

95th percentile per-packet one-way delay: 74.956 ms

Loss rate: 0.72%

Run 3: Report of Copa — Data Link

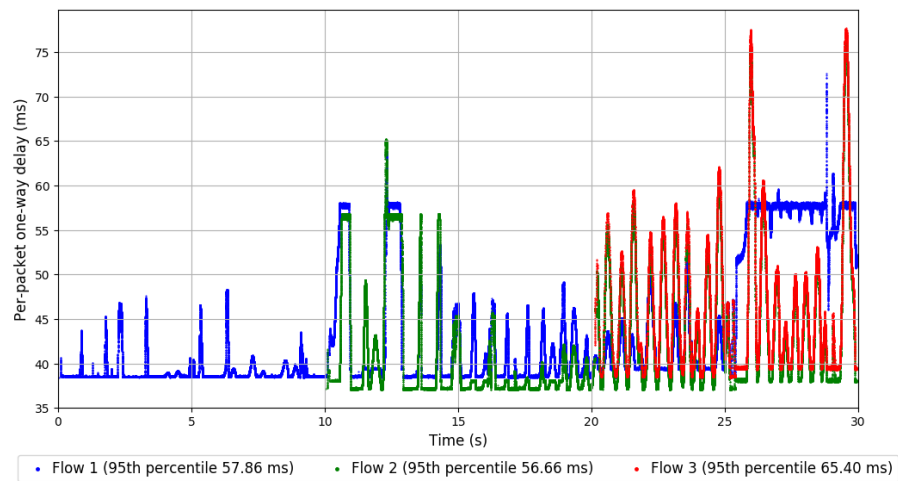
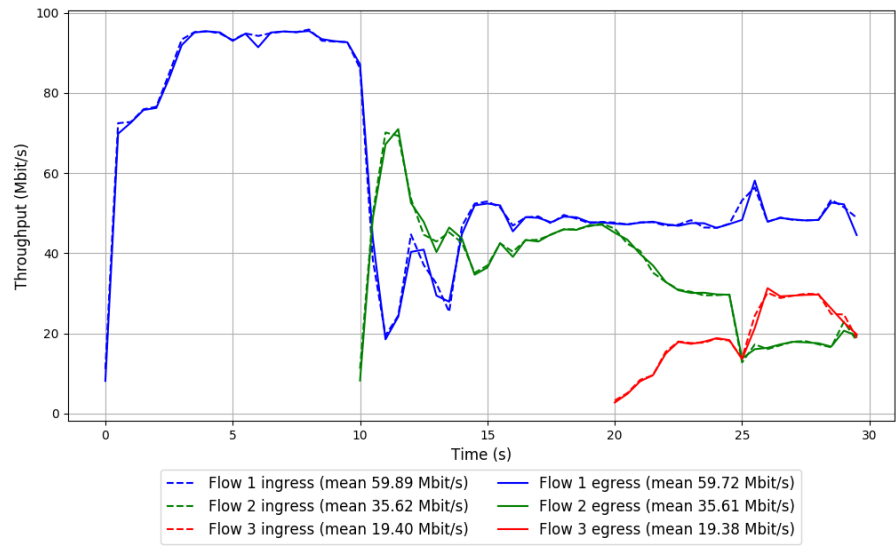


Run 4: Statistics of Copa

Start at: 2018-04-10 19:34:14
End at: 2018-04-10 19:34:44
Local clock offset: -0.014 ms
Remote clock offset: -2.969 ms

Below is generated by plot.py at 2018-04-11 03:15:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 57.843 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 57.857 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 56.662 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 65.398 ms
Loss rate: 0.82%

Run 4: Report of Copa — Data Link

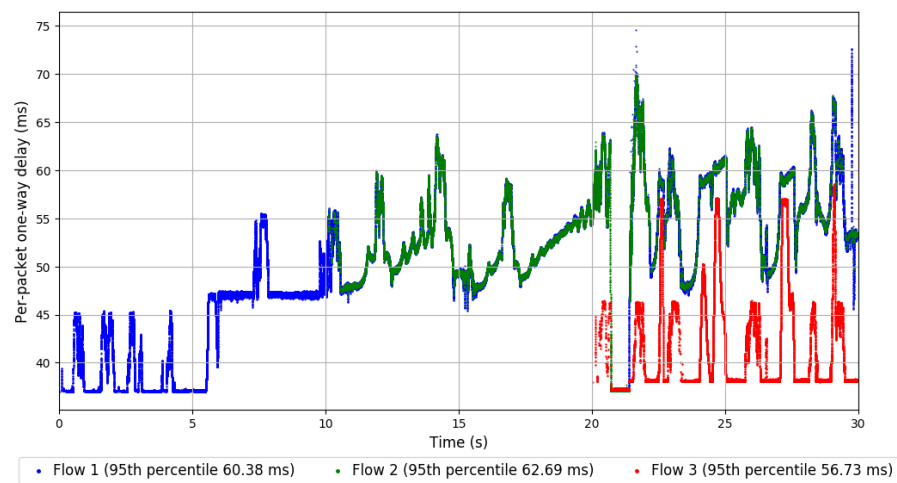
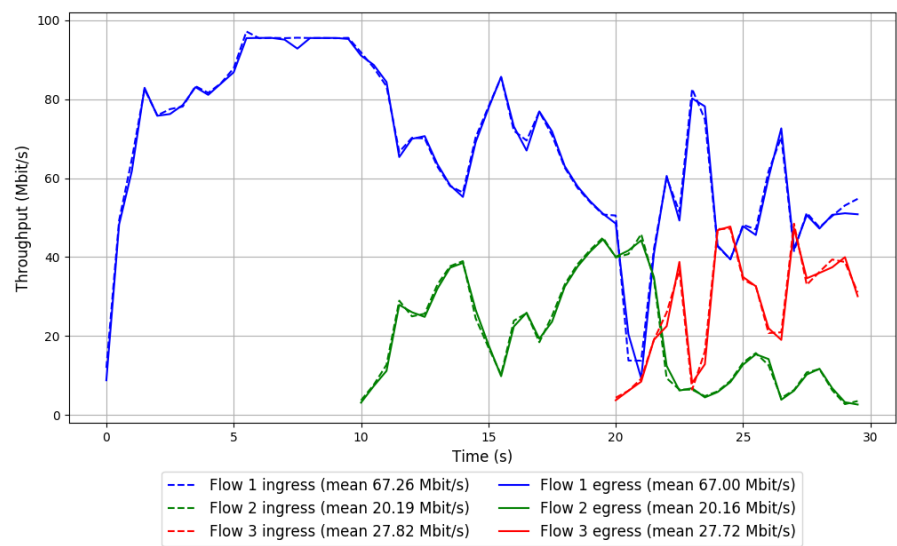


Run 5: Statistics of Copa

Start at: 2018-04-10 19:59:04
End at: 2018-04-10 19:59:34
Local clock offset: 0.08 ms
Remote clock offset: -2.723 ms

Below is generated by plot.py at 2018-04-11 03:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 60.567 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 67.00 Mbit/s
95th percentile per-packet one-way delay: 60.375 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 62.692 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 56.725 ms
Loss rate: 1.02%

Run 5: Report of Copa — Data Link

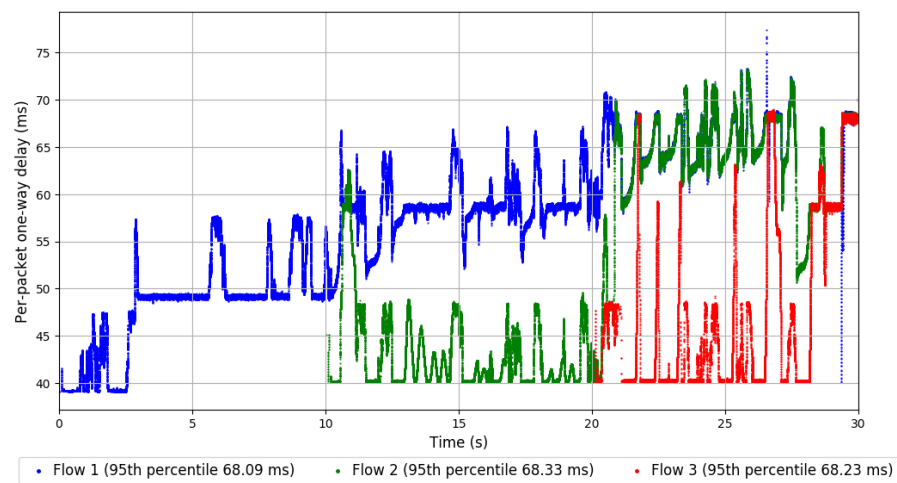
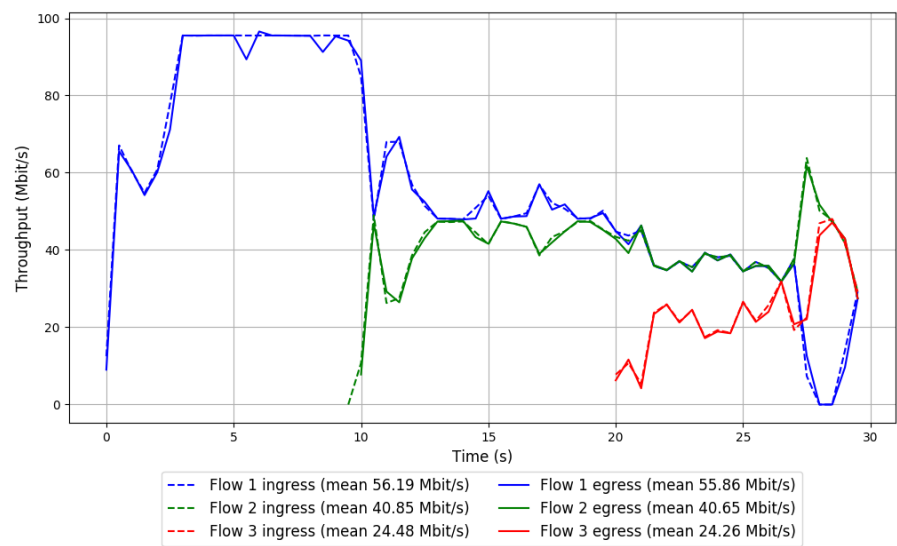


Run 6: Statistics of Copa

Start at: 2018-04-10 20:24:55
End at: 2018-04-10 20:25:25
Local clock offset: 0.547 ms
Remote clock offset: -3.452 ms

Below is generated by plot.py at 2018-04-11 03:16:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 68.225 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 68.095 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 68.328 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 68.230 ms
Loss rate: 1.74%

Run 6: Report of Copa — Data Link

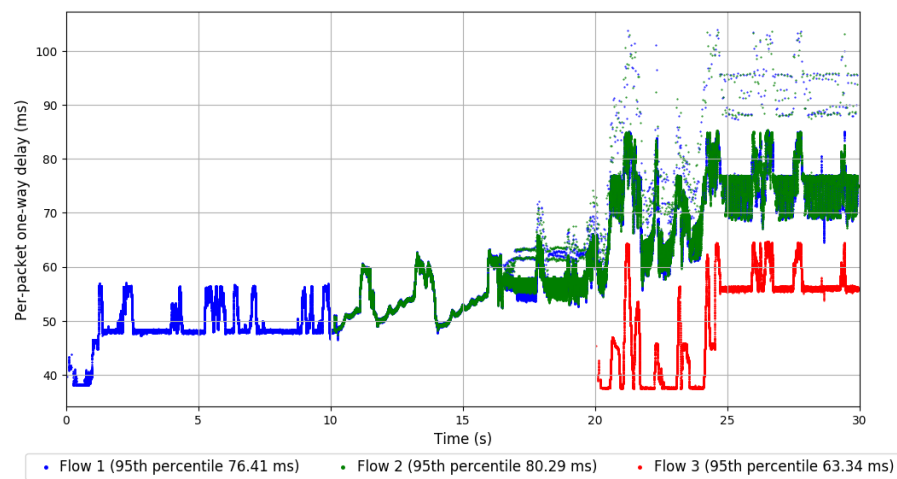
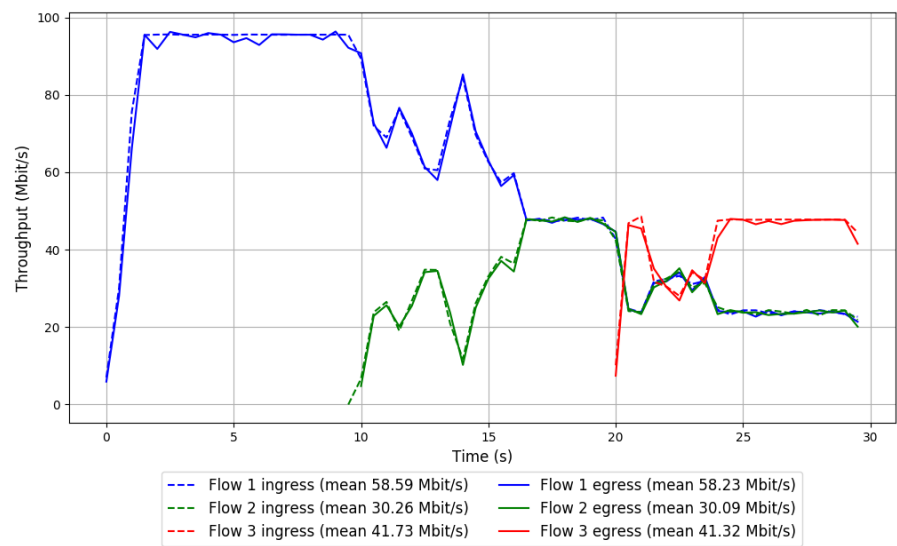


Run 7: Statistics of Copa

Start at: 2018-04-10 20:50:45
End at: 2018-04-10 20:51:15
Local clock offset: 0.197 ms
Remote clock offset: -3.041 ms

Below is generated by plot.py at 2018-04-11 03:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.90 Mbit/s
95th percentile per-packet one-way delay: 76.647 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 76.406 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 80.291 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 41.32 Mbit/s
95th percentile per-packet one-way delay: 63.339 ms
Loss rate: 1.82%

Run 7: Report of Copa — Data Link

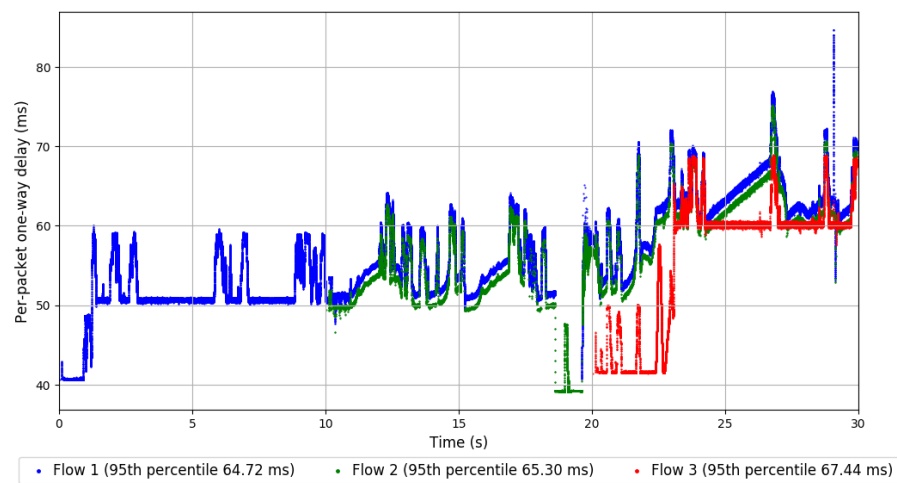
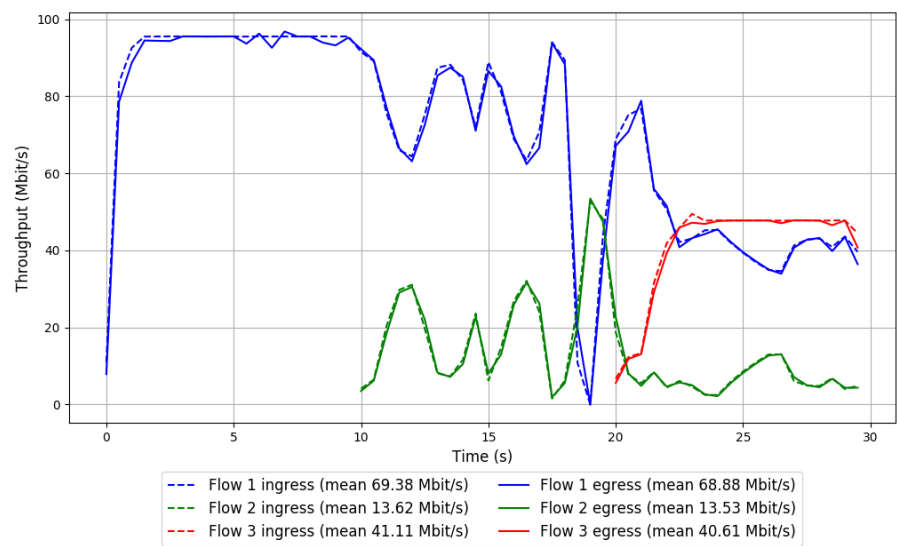


Run 8: Statistics of Copa

Start at: 2018-04-10 21:16:37
End at: 2018-04-10 21:17:07
Local clock offset: -0.243 ms
Remote clock offset: -5.595 ms

Below is generated by plot.py at 2018-04-11 03:16:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 65.234 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 68.88 Mbit/s
95th percentile per-packet one-way delay: 64.725 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 65.304 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 67.439 ms
Loss rate: 1.90%

Run 8: Report of Copa — Data Link

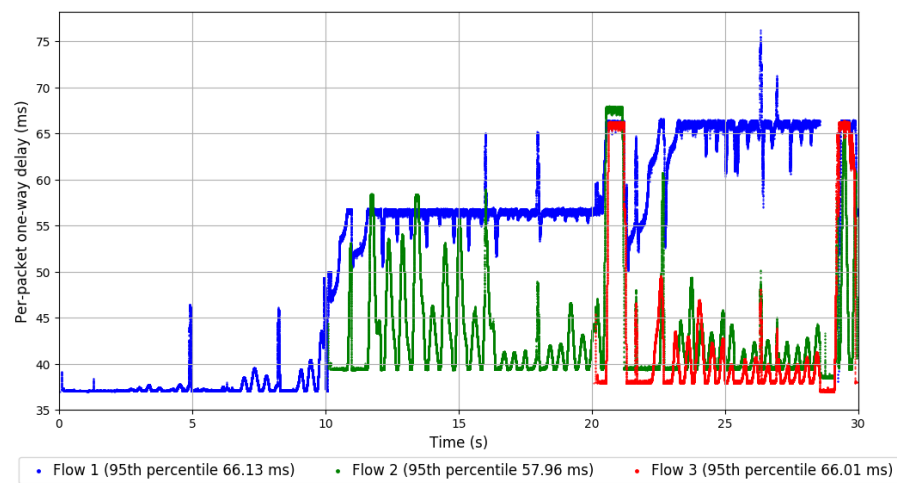
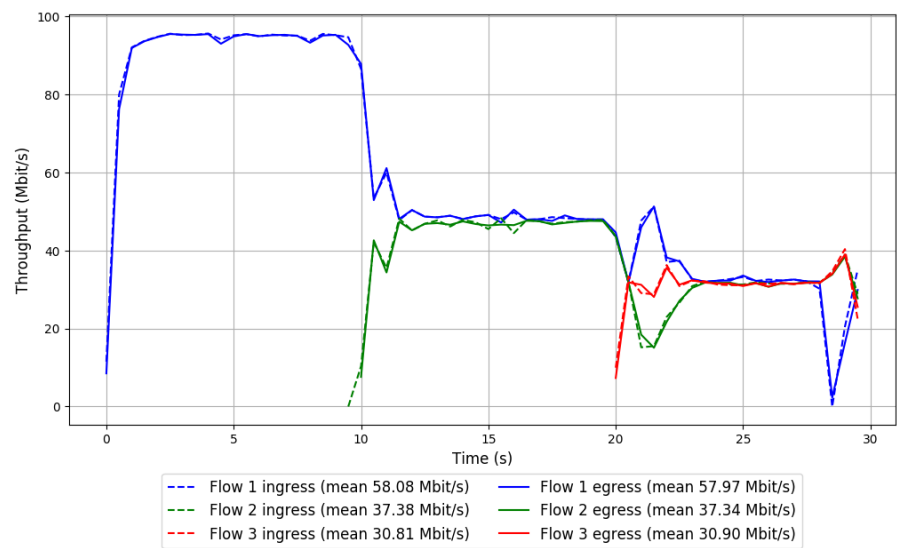


Run 9: Statistics of Copa

Start at: 2018-04-10 21:42:19
End at: 2018-04-10 21:42:49
Local clock offset: 0.152 ms
Remote clock offset: -2.49 ms

Below is generated by plot.py at 2018-04-11 03:17:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 66.060 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 57.97 Mbit/s
95th percentile per-packet one-way delay: 66.127 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 37.34 Mbit/s
95th percentile per-packet one-way delay: 57.960 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 66.012 ms
Loss rate: 0.40%

Run 9: Report of Copa — Data Link

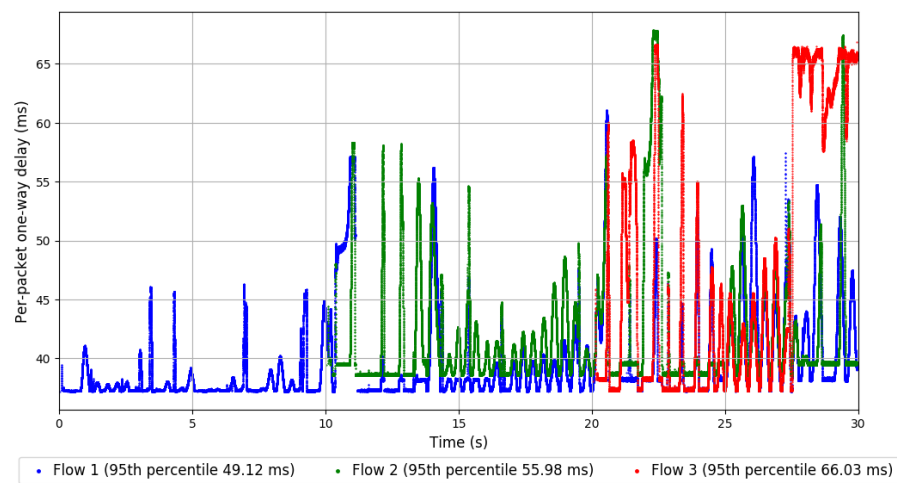
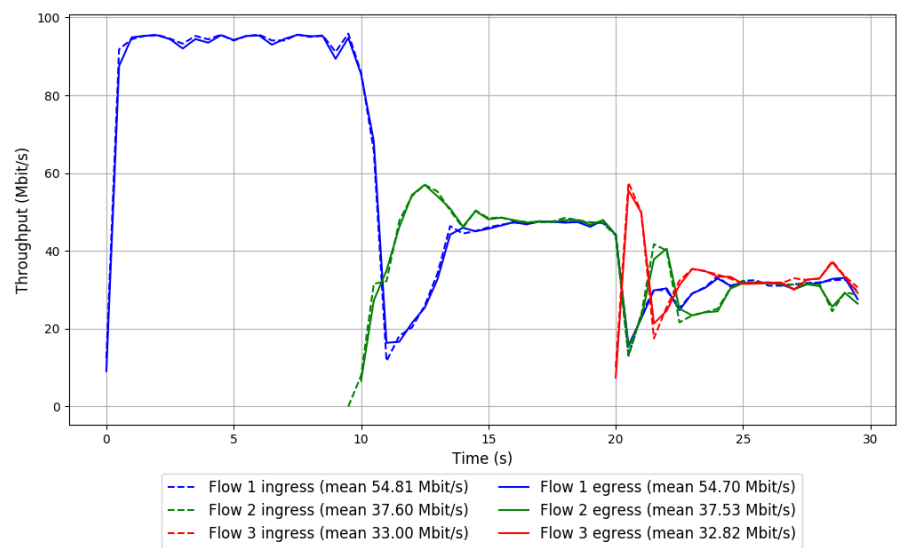


Run 10: Statistics of Copa

Start at: 2018-04-10 22:07:11
End at: 2018-04-10 22:07:41
Local clock offset: 0.746 ms
Remote clock offset: -1.428 ms

Below is generated by plot.py at 2018-04-11 03:17:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 56.842 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 49.123 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 55.984 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 66.025 ms
Loss rate: 1.21%

Run 10: Report of Copa — Data Link

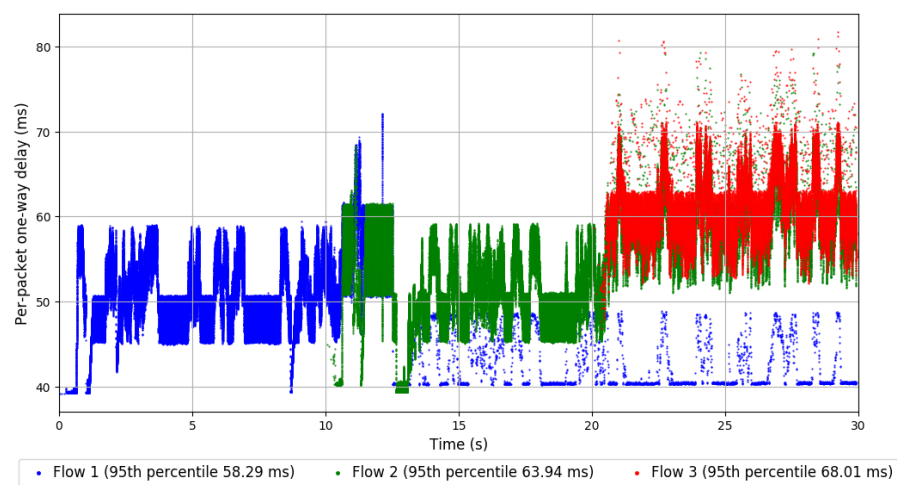
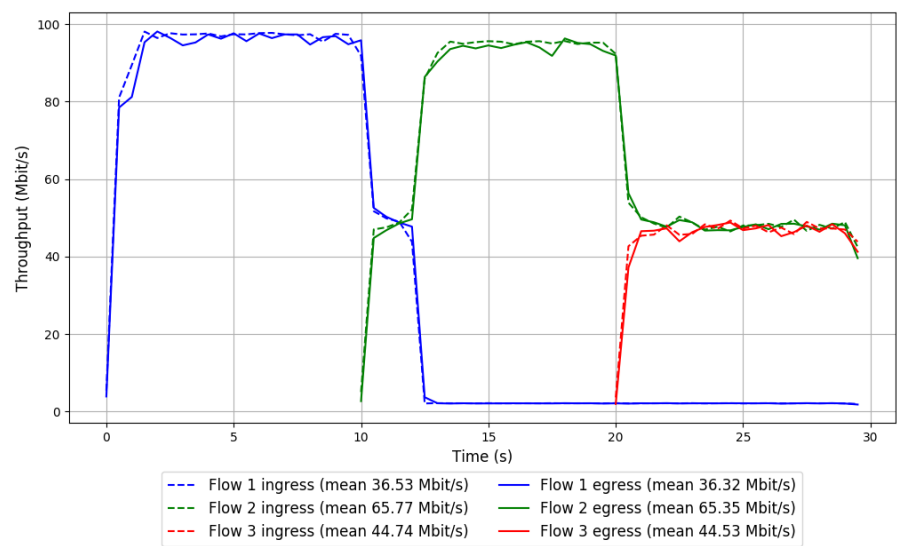


```
Run 1: Statistics of FillP

Start at: 2018-04-10 18:14:20
End at: 2018-04-10 18:14:50
Local clock offset: 1.011 ms
Remote clock offset: -4.766 ms

# Below is generated by plot.py at 2018-04-11 03:17:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 64.339 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 36.32 Mbit/s
95th percentile per-packet one-way delay: 58.294 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 63.944 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 68.012 ms
Loss rate: 1.40%
```


Run 1: Report of FillP — Data Link

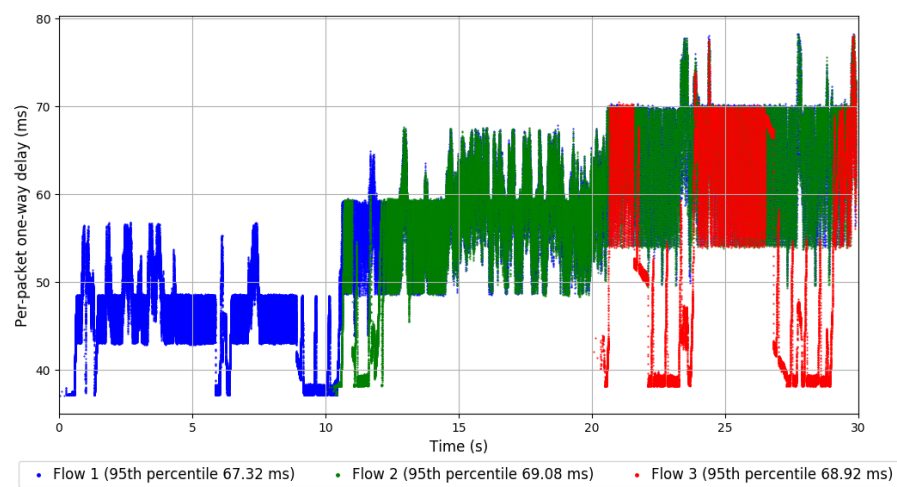
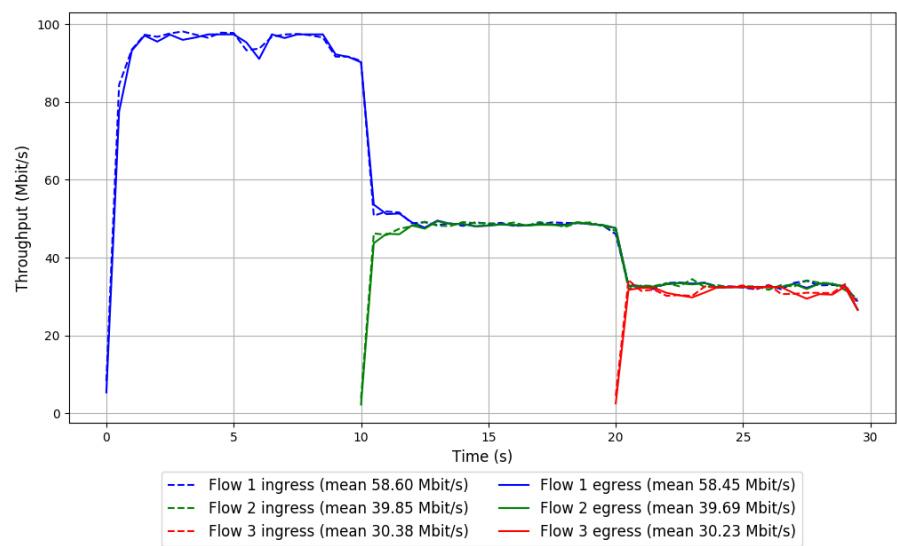


Run 2: Statistics of FillP

Start at: 2018-04-10 18:40:03
End at: 2018-04-10 18:40:33
Local clock offset: 0.007 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-04-11 03:17:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 68.367 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 67.320 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 69.082 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 68.917 ms
Loss rate: 1.18%

Run 2: Report of FillP — Data Link

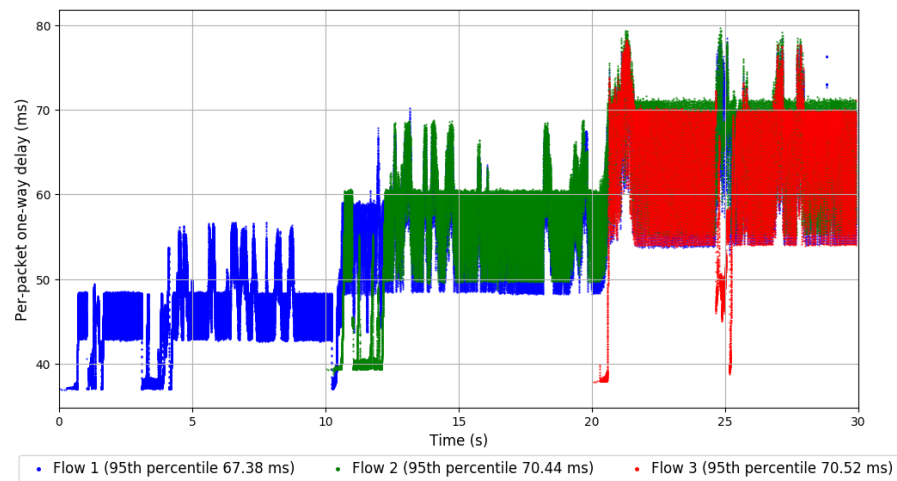
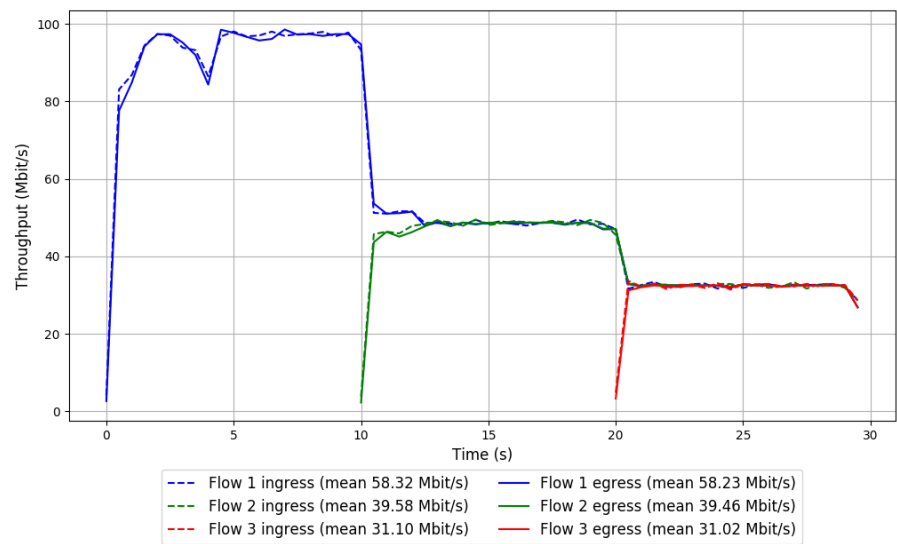


Run 3: Statistics of FillP

Start at: 2018-04-10 19:05:13
End at: 2018-04-10 19:05:43
Local clock offset: -0.131 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-04-11 03:18:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 69.260 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 67.375 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 70.444 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 70.519 ms
Loss rate: 1.10%

Run 3: Report of FillP — Data Link

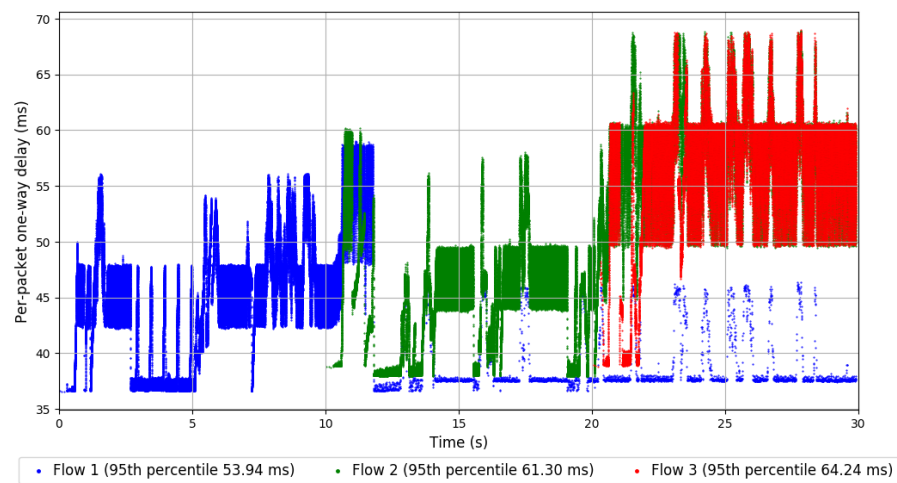
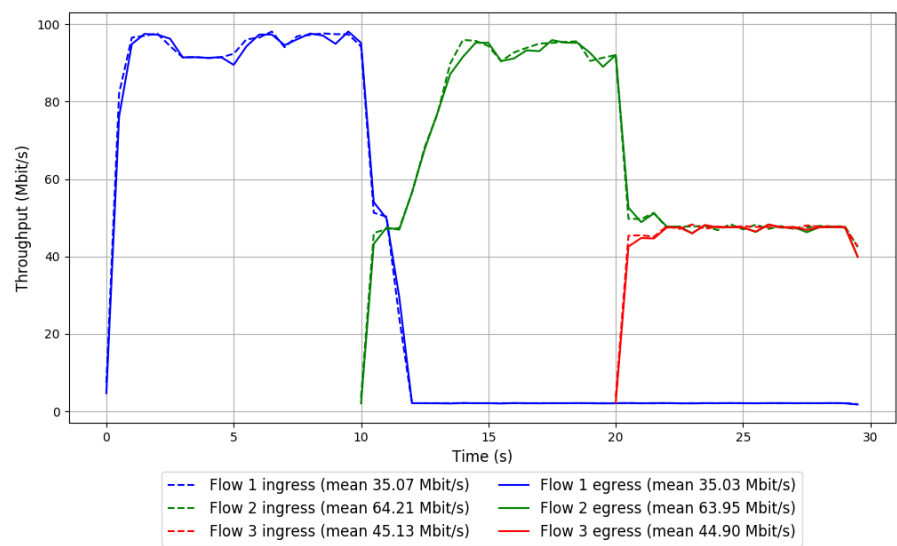


Run 4: Statistics of FillP

Start at: 2018-04-10 19:30:07
End at: 2018-04-10 19:30:37
Local clock offset: -0.094 ms
Remote clock offset: -2.081 ms

Below is generated by plot.py at 2018-04-11 03:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 60.424 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 53.941 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 63.95 Mbit/s
95th percentile per-packet one-way delay: 61.301 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 64.237 ms
Loss rate: 1.27%

Run 4: Report of FillP — Data Link

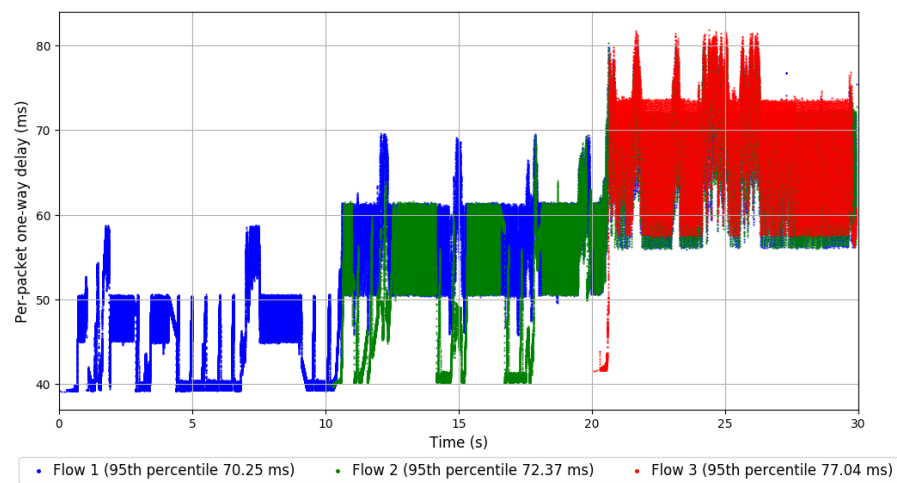
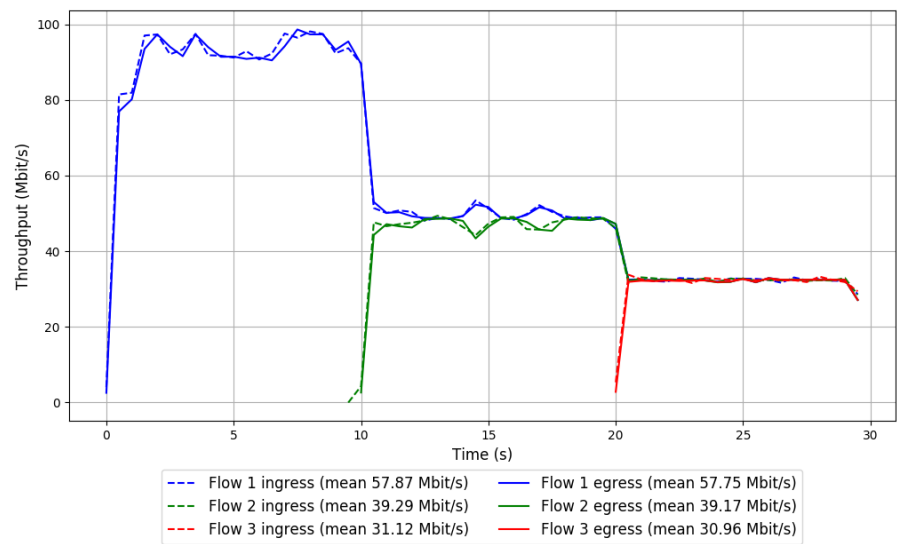


Run 5: Statistics of FillP

Start at: 2018-04-10 19:54:55
End at: 2018-04-10 19:55:25
Local clock offset: 0.048 ms
Remote clock offset: -5.771 ms

Below is generated by plot.py at 2018-04-11 03:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 72.439 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 70.245 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 72.371 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 77.043 ms
Loss rate: 1.32%

Run 5: Report of FillP — Data Link

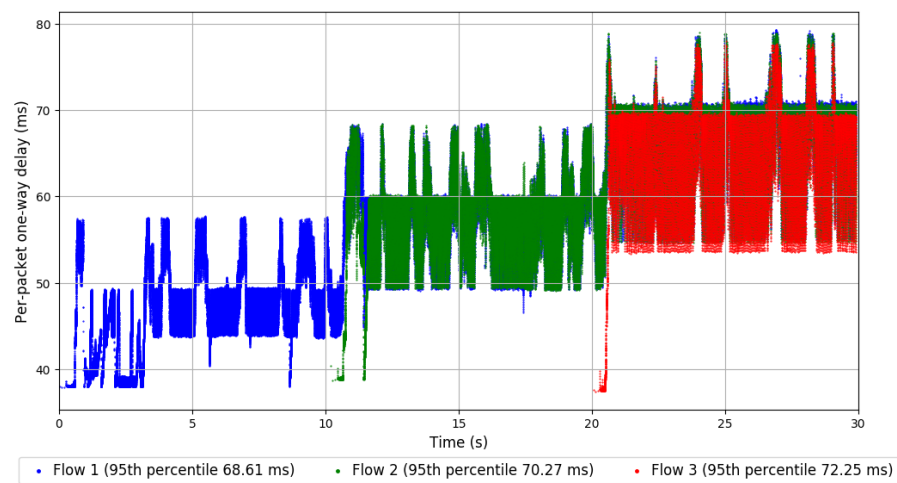
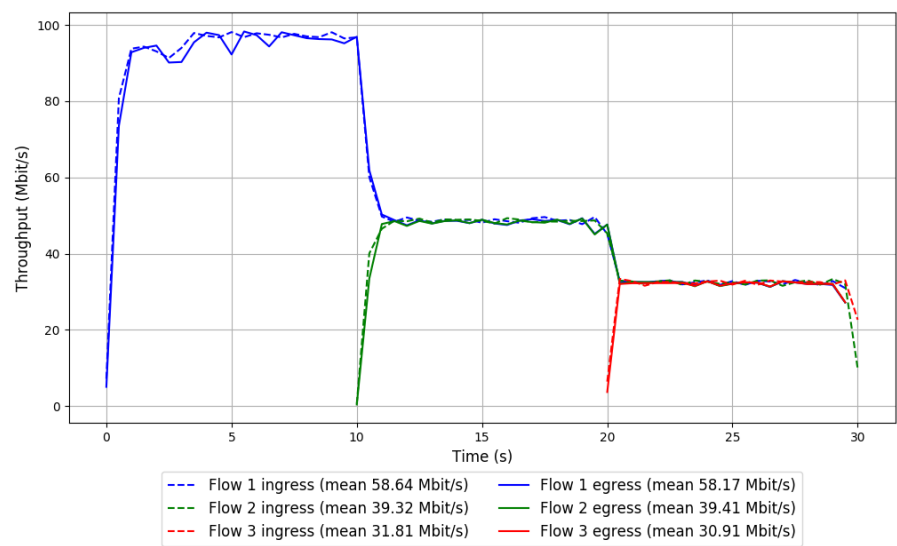


Run 6: Statistics of FillP

Start at: 2018-04-10 20:20:26
End at: 2018-04-10 20:20:56
Local clock offset: 0.427 ms
Remote clock offset: -0.902 ms

Below is generated by plot.py at 2018-04-11 03:18:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 69.665 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 68.613 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 70.271 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 72.249 ms
Loss rate: 5.67%

Run 6: Report of FillP — Data Link

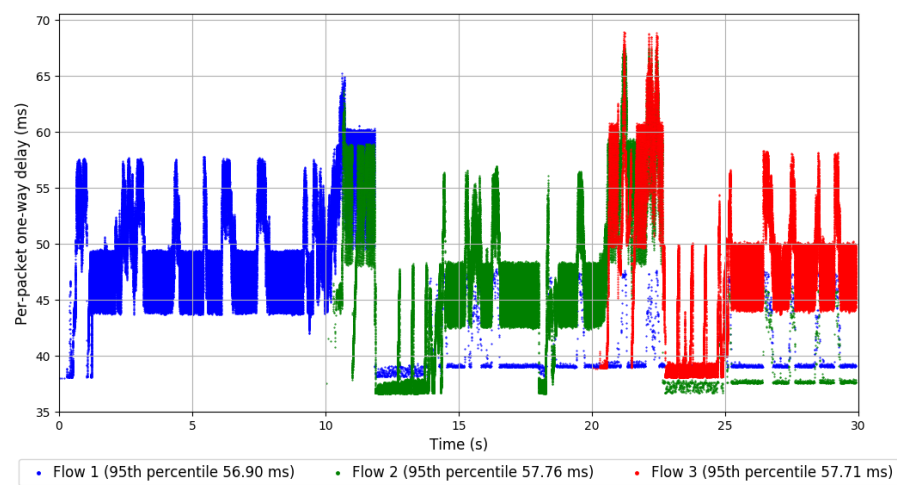
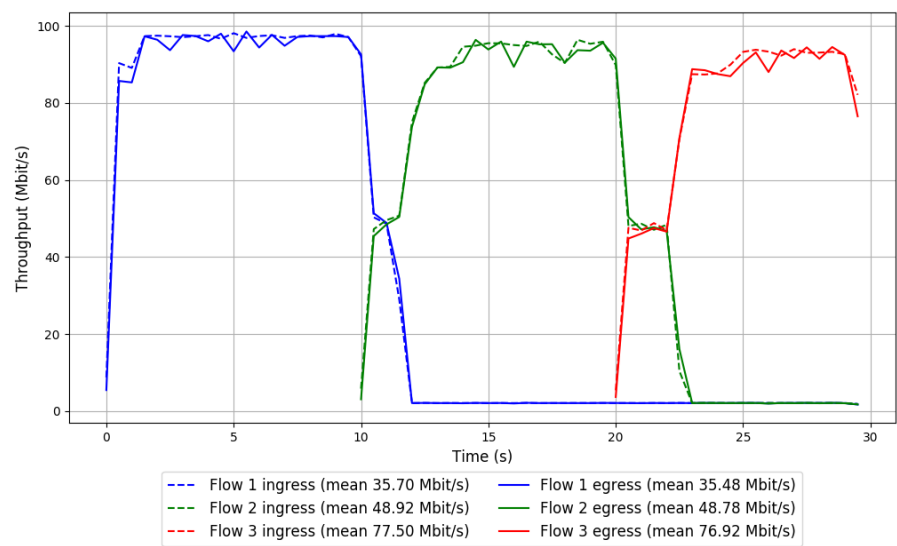


Run 7: Statistics of FillP

Start at: 2018-04-10 20:46:15
End at: 2018-04-10 20:46:45
Local clock offset: 0.238 ms
Remote clock offset: -2.854 ms

Below is generated by plot.py at 2018-04-11 03:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 57.278 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 35.48 Mbit/s
95th percentile per-packet one-way delay: 56.895 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 57.755 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 57.708 ms
Loss rate: 1.43%

Run 7: Report of FillP — Data Link

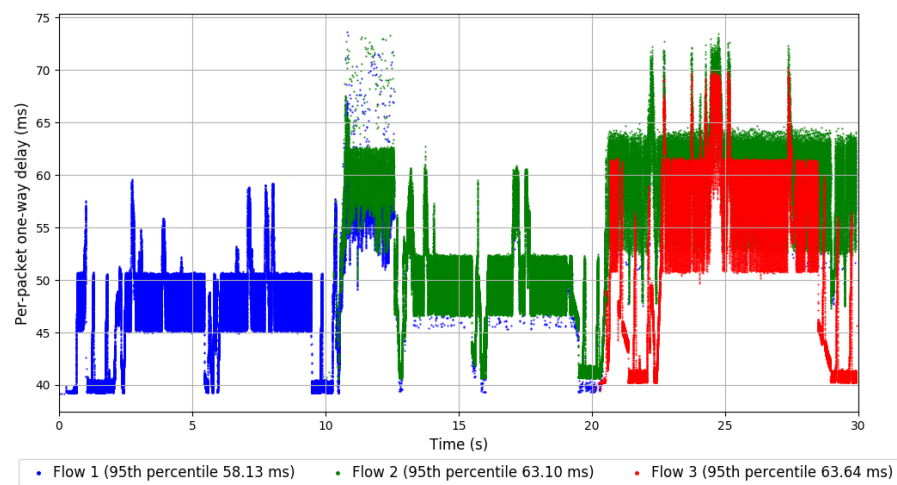
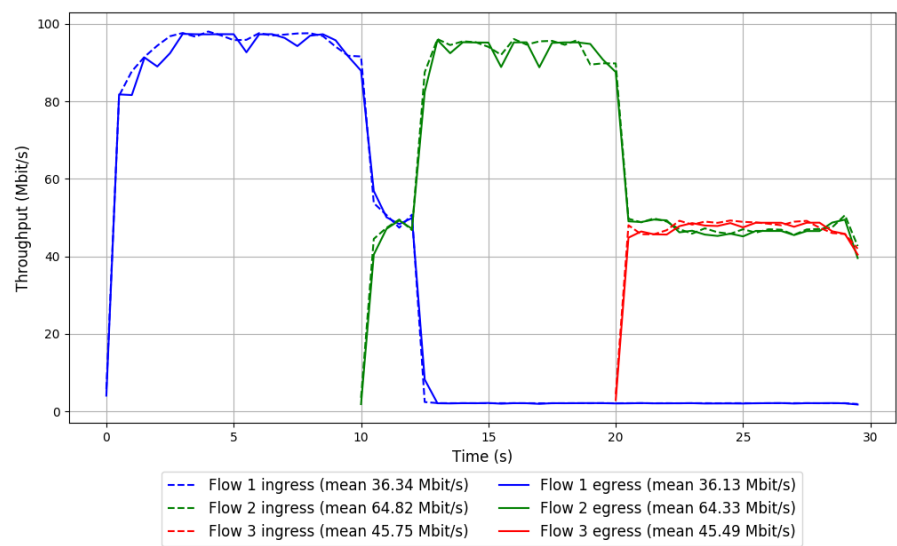


Run 8: Statistics of FillP

Start at: 2018-04-10 21:12:10
End at: 2018-04-10 21:12:40
Local clock offset: -0.125 ms
Remote clock offset: -5.576 ms

Below is generated by plot.py at 2018-04-11 03:19:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 62.289 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 58.127 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 64.33 Mbit/s
95th percentile per-packet one-way delay: 63.098 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 63.636 ms
Loss rate: 1.19%

Run 8: Report of FillP — Data Link

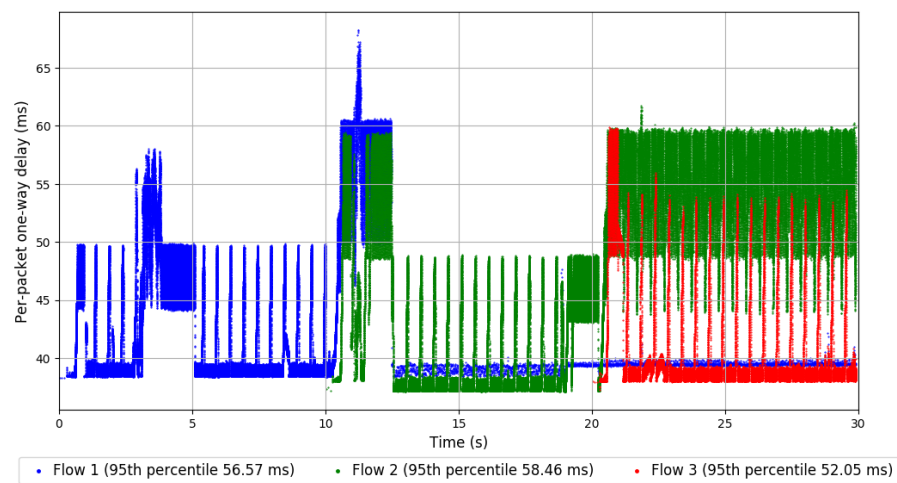
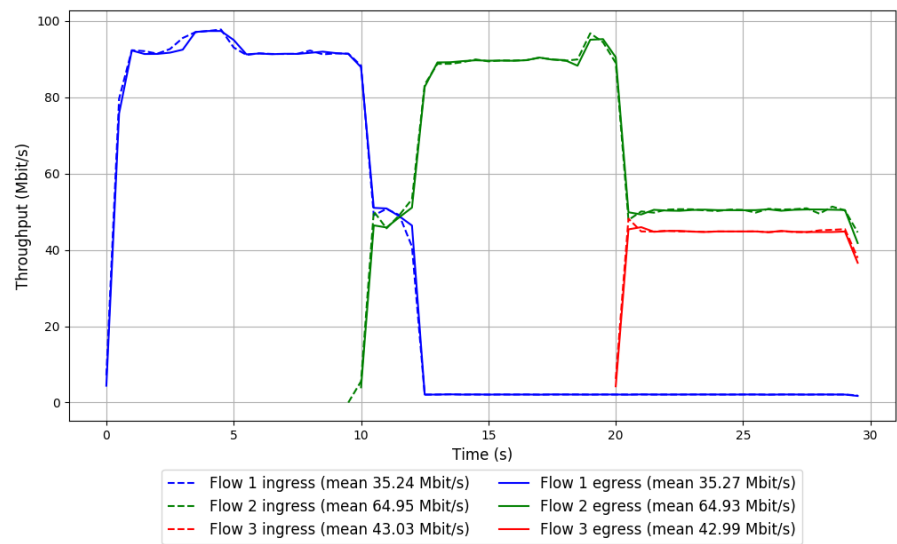


Run 9: Statistics of FillP

Start at: 2018-04-10 21:38:10
End at: 2018-04-10 21:38:40
Local clock offset: -0.122 ms
Remote clock offset: -3.052 ms

Below is generated by plot.py at 2018-04-11 03:19:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 57.910 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 56.573 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 64.93 Mbit/s
95th percentile per-packet one-way delay: 58.464 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 52.055 ms
Loss rate: 0.75%

Run 9: Report of FillP — Data Link

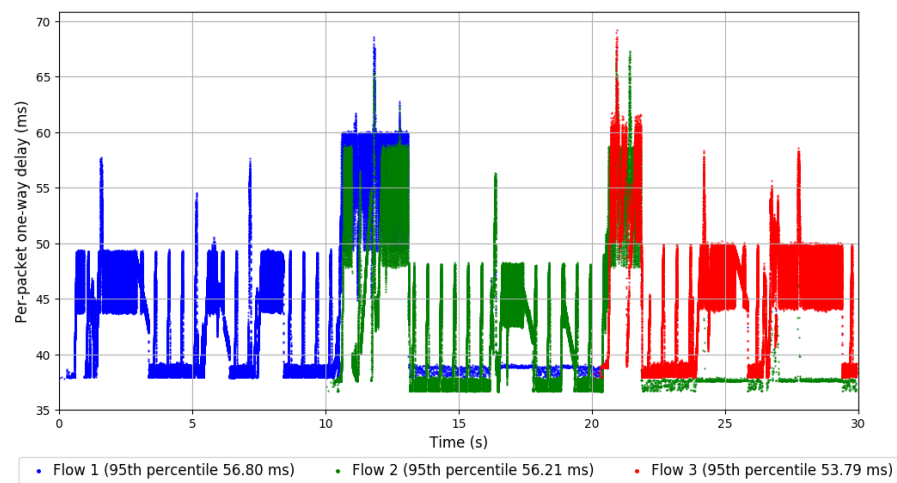
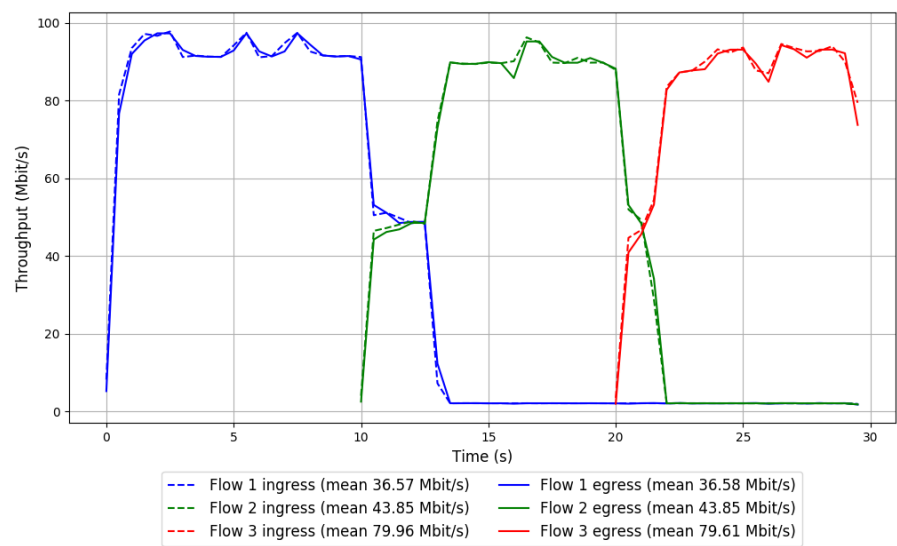


Run 10: Statistics of FillP

Start at: 2018-04-10 22:03:02
End at: 2018-04-10 22:03:32
Local clock offset: 0.579 ms
Remote clock offset: -1.019 ms

Below is generated by plot.py at 2018-04-11 03:19:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 56.054 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 56.796 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 56.214 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 79.61 Mbit/s
95th percentile per-packet one-way delay: 53.787 ms
Loss rate: 1.13%

Run 10: Report of FillP — Data Link

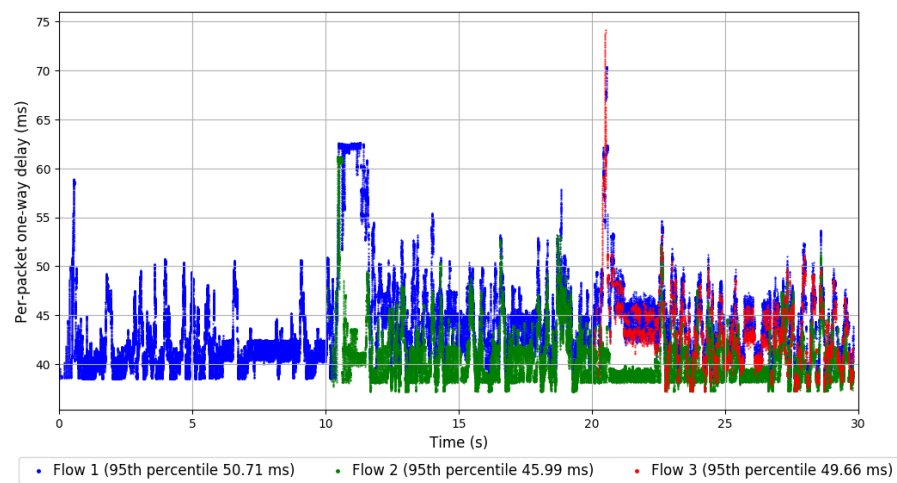
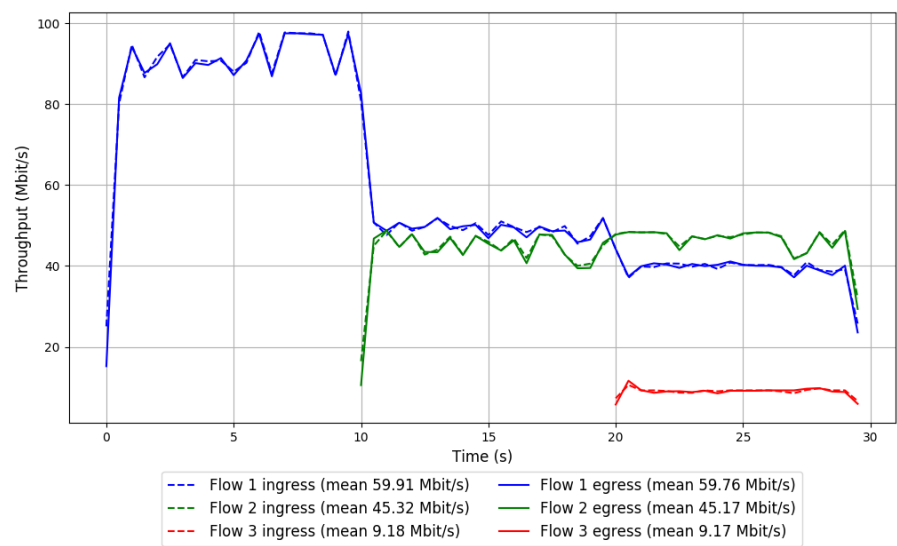


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-10 18:27:32
End at: 2018-04-10 18:28:02
Local clock offset: 0.362 ms
Remote clock offset: -0.987 ms

# Below is generated by plot.py at 2018-04-11 03:19:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 49.505 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 50.714 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 45.994 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 49.658 ms
Loss rate: 0.90%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-10 18:52:28

End at: 2018-04-10 18:52:58

Local clock offset: 0.047 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2018-04-11 03:19:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 53.578 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 57.23 Mbit/s

95th percentile per-packet one-way delay: 50.542 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 59.633 ms

Loss rate: 0.47%

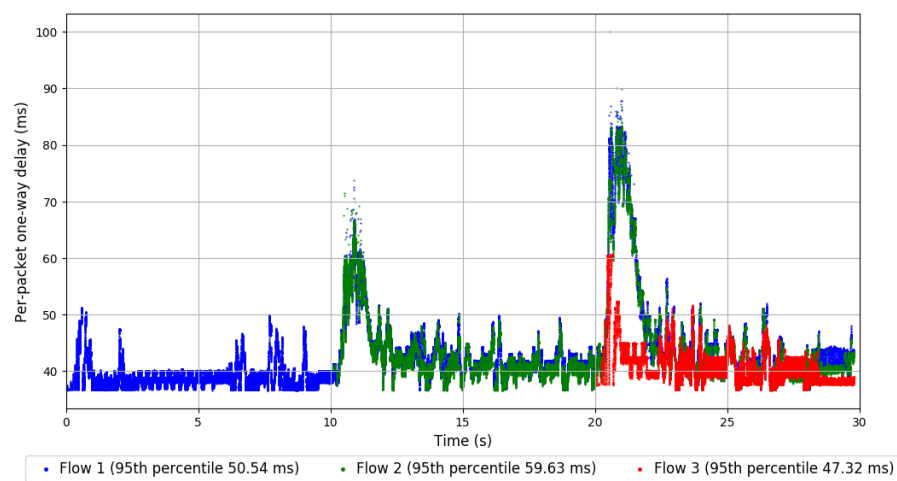
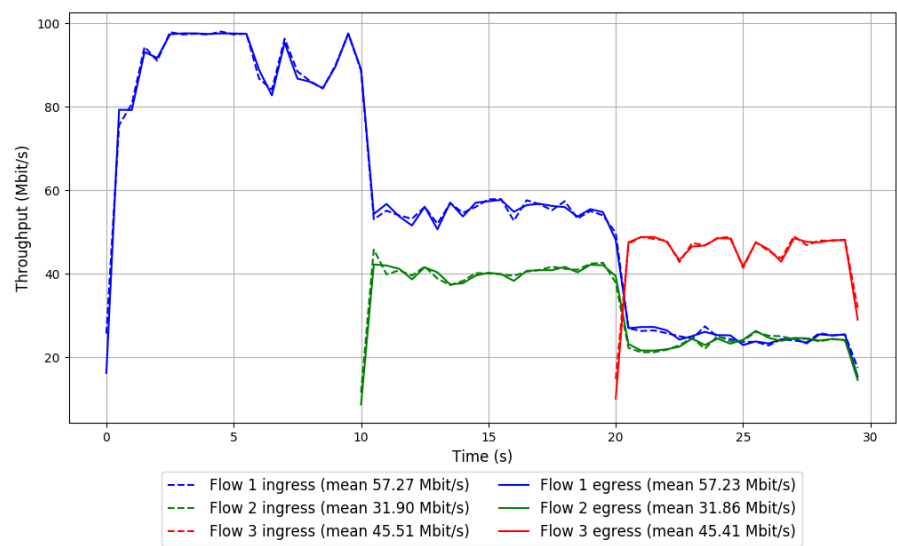
-- Flow 3:

Average throughput: 45.41 Mbit/s

95th percentile per-packet one-way delay: 47.322 ms

Loss rate: 0.90%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-10 19:17:48

End at: 2018-04-10 19:18:18

Local clock offset: -0.366 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-04-11 03:19:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.71 Mbit/s

95th percentile per-packet one-way delay: 49.890 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 57.17 Mbit/s

95th percentile per-packet one-way delay: 50.014 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 26.63 Mbit/s

95th percentile per-packet one-way delay: 57.423 ms

Loss rate: 0.48%

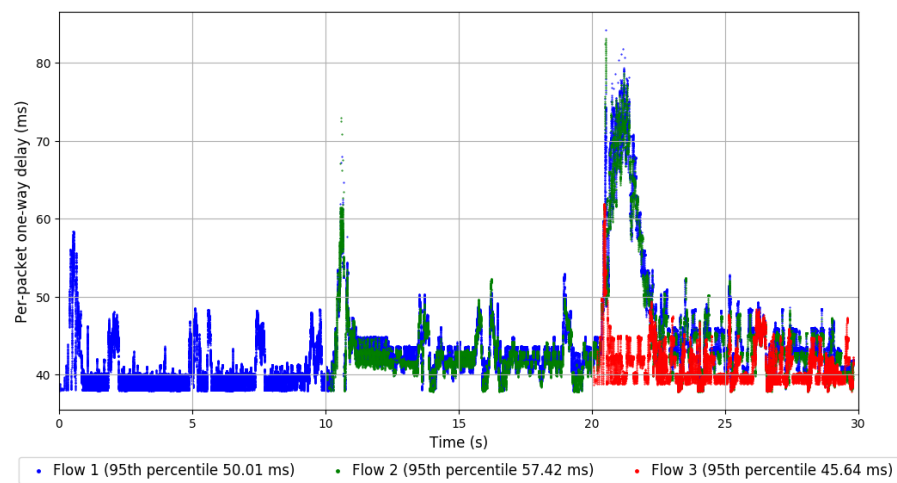
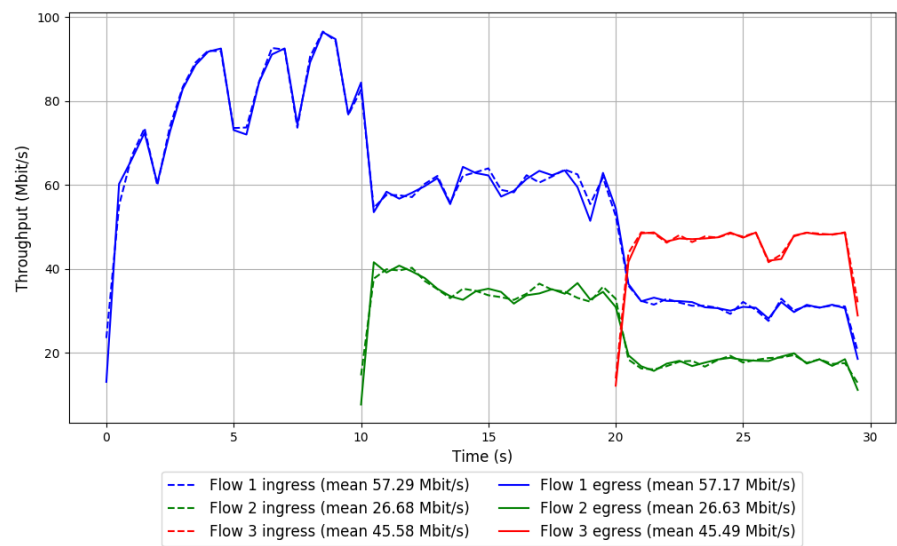
-- Flow 3:

Average throughput: 45.49 Mbit/s

95th percentile per-packet one-way delay: 45.643 ms

Loss rate: 0.90%

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

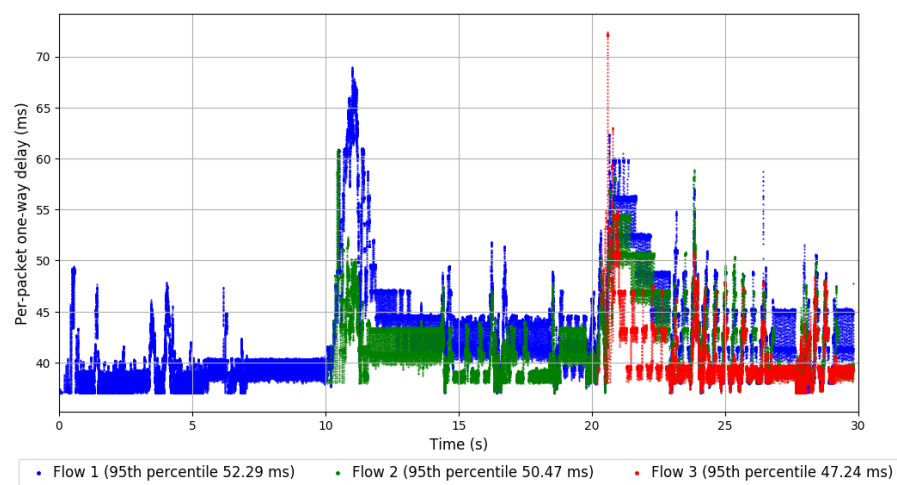
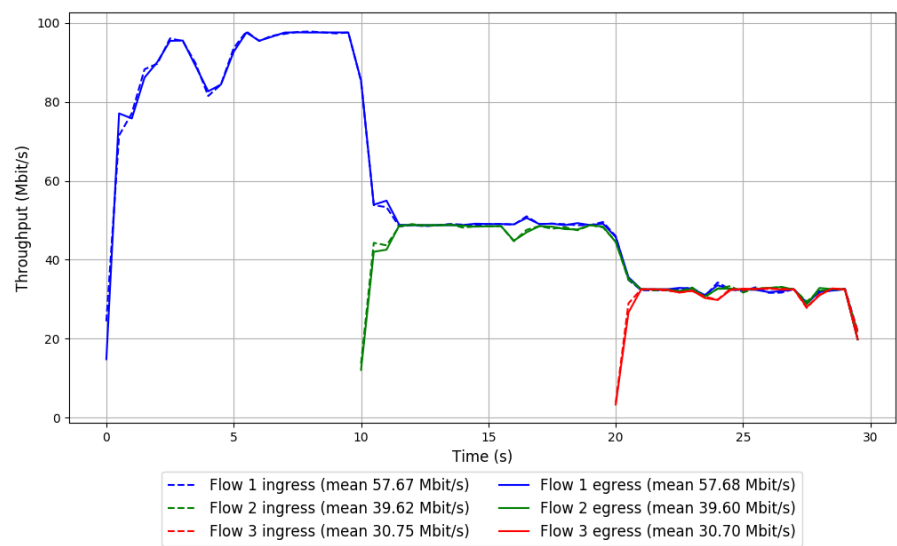


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-10 19:42:33
End at: 2018-04-10 19:43:03
Local clock offset: -0.088 ms
Remote clock offset: -3.621 ms

Below is generated by plot.py at 2018-04-11 03:19:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 50.603 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 52.293 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 50.471 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 47.242 ms
Loss rate: 0.84%

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

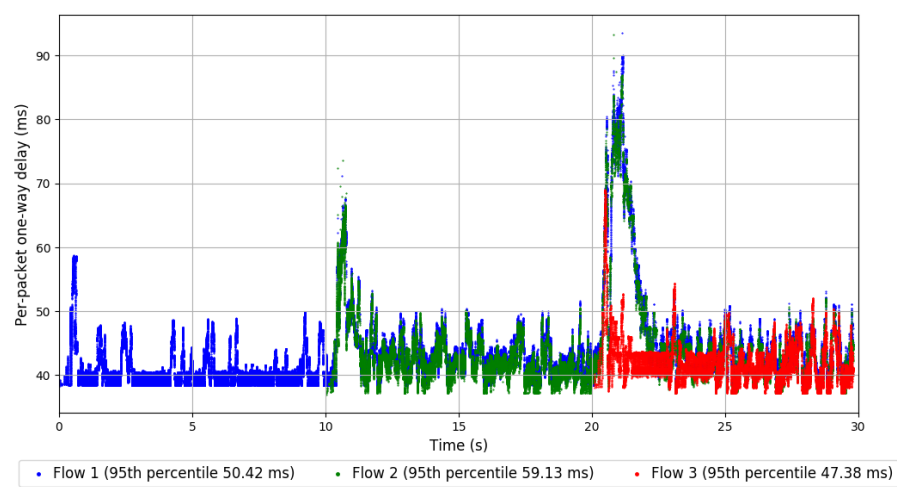
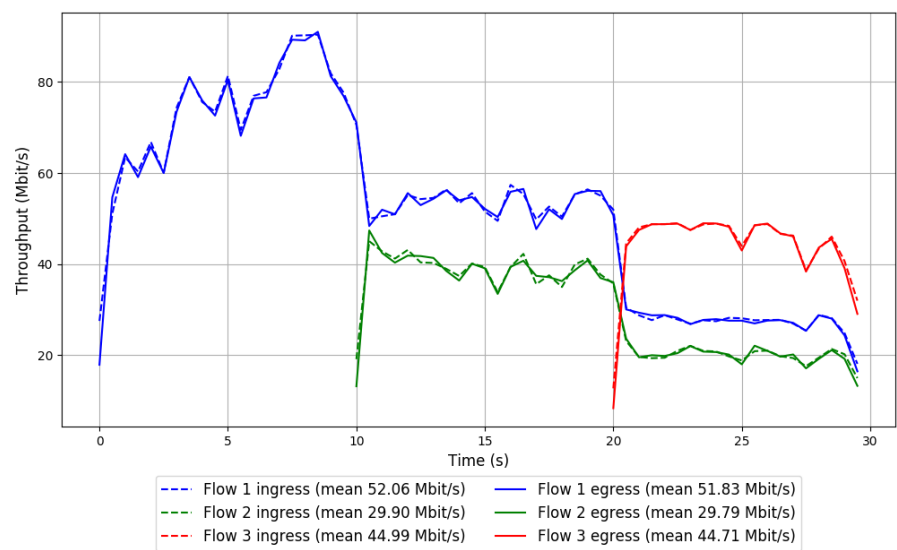


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-10 20:07:36
End at: 2018-04-10 20:08:06
Local clock offset: 0.348 ms
Remote clock offset: -1.767 ms

Below is generated by plot.py at 2018-04-11 03:20:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 50.983 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 51.83 Mbit/s
95th percentile per-packet one-way delay: 50.417 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 59.132 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 44.71 Mbit/s
95th percentile per-packet one-way delay: 47.381 ms
Loss rate: 1.31%

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

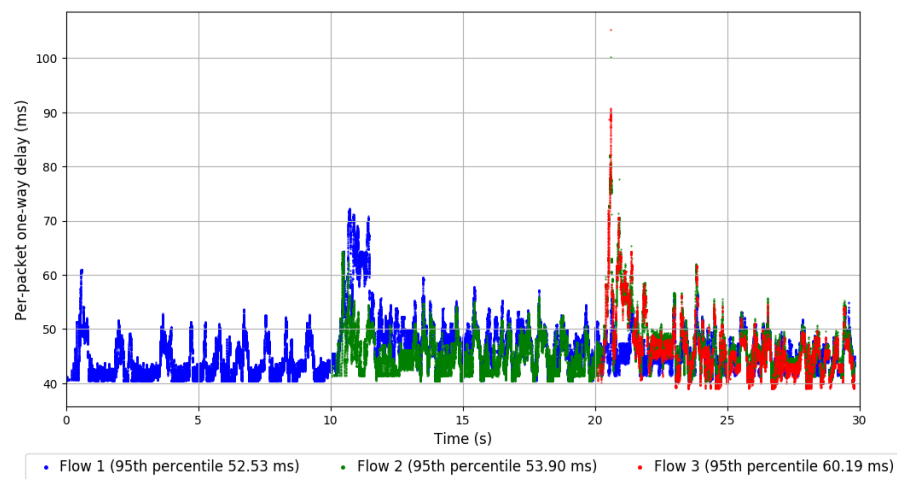
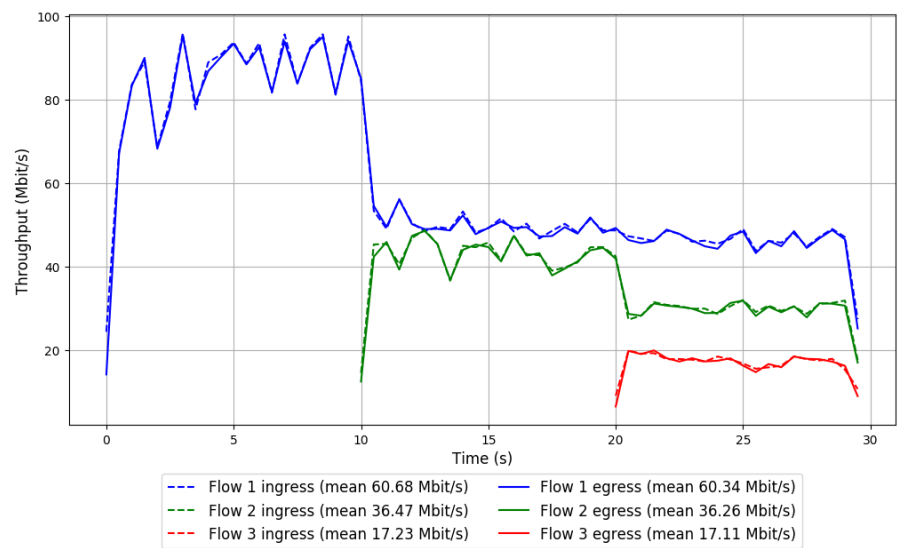


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-10 20:33:29
End at: 2018-04-10 20:33:59
Local clock offset: 0.569 ms
Remote clock offset: -4.369 ms

Below is generated by plot.py at 2018-04-11 03:20:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 53.379 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 60.34 Mbit/s
95th percentile per-packet one-way delay: 52.534 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 53.902 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 17.11 Mbit/s
95th percentile per-packet one-way delay: 60.188 ms
Loss rate: 1.43%

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

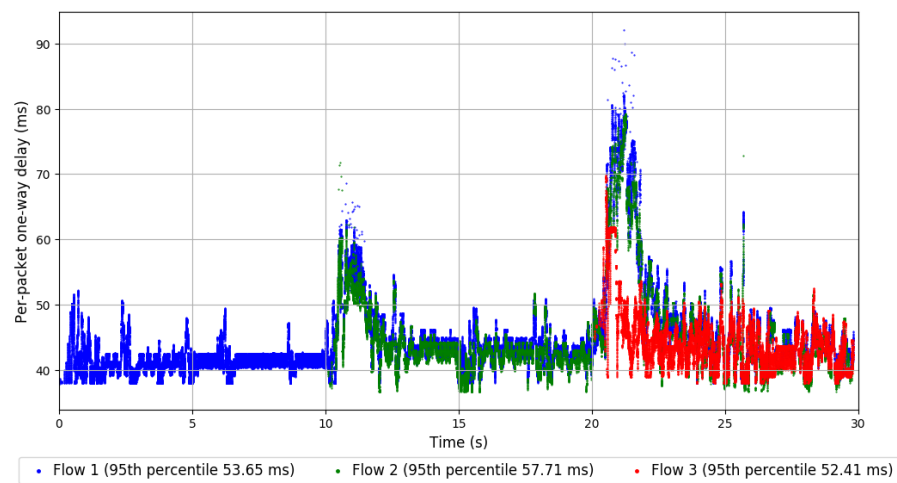
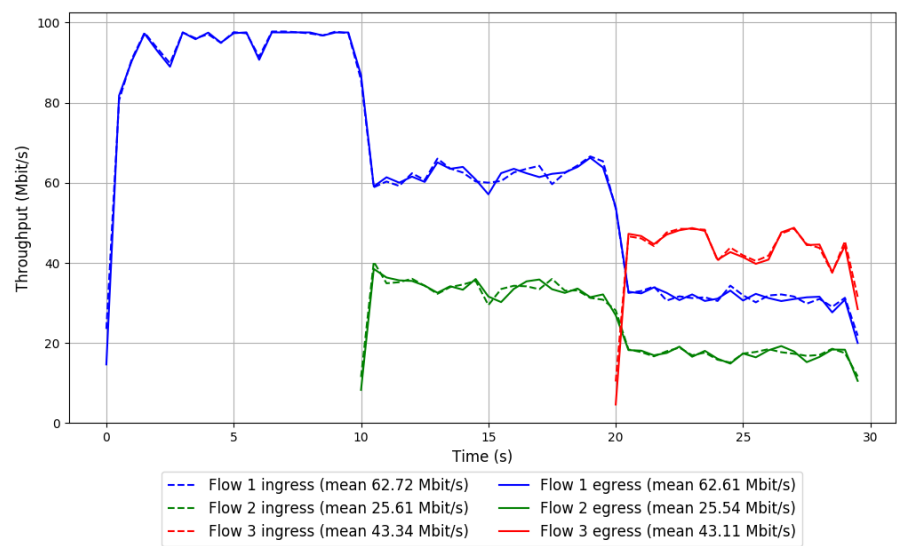


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-10 20:59:32
End at: 2018-04-10 21:00:02
Local clock offset: -0.195 ms
Remote clock offset: -3.237 ms

Below is generated by plot.py at 2018-04-11 03:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 54.309 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 53.654 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 57.708 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 52.412 ms
Loss rate: 1.29%

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

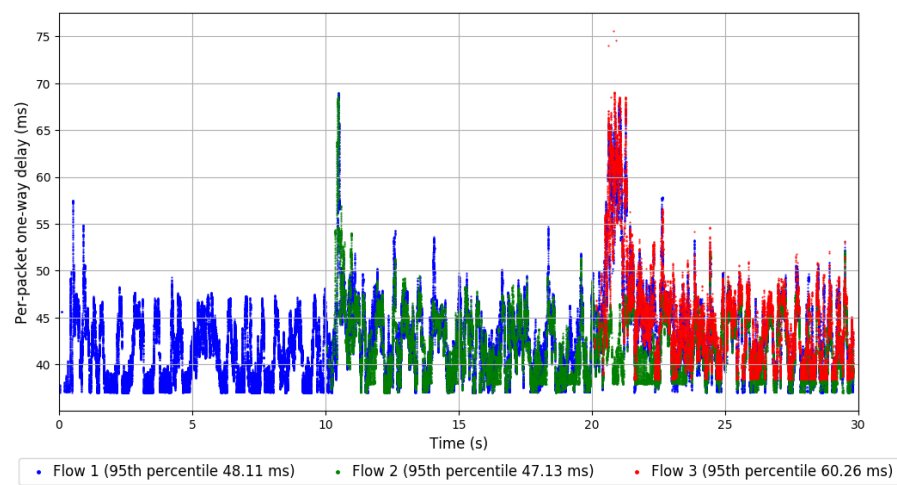
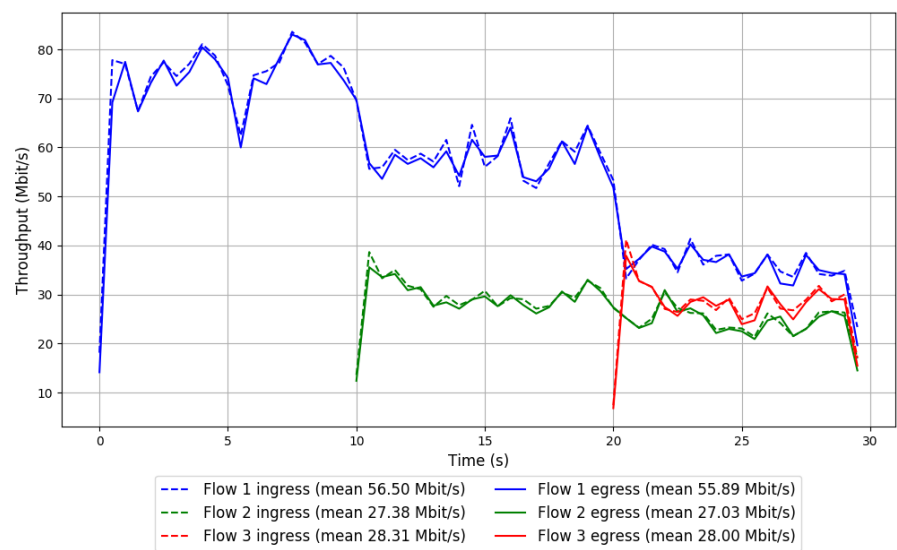


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-10 21:25:05
End at: 2018-04-10 21:25:35
Local clock offset: -0.318 ms
Remote clock offset: -3.486 ms

Below is generated by plot.py at 2018-04-11 03:21:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 48.731 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 48.109 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 47.130 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 60.258 ms
Loss rate: 1.81%

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

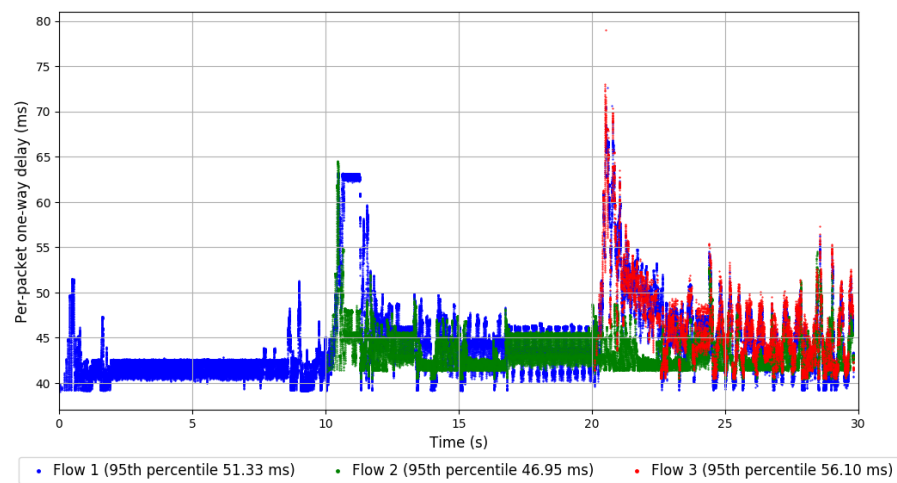
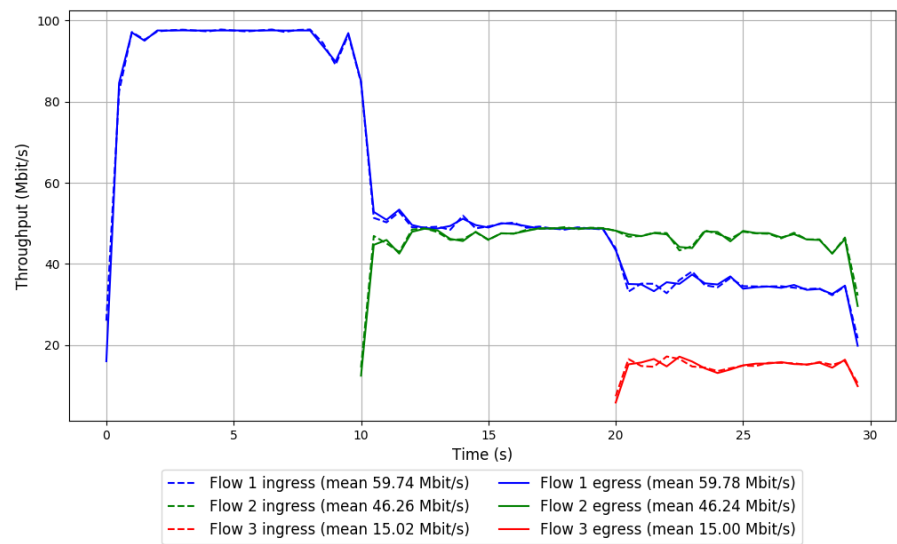


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-10 21:50:36
End at: 2018-04-10 21:51:06
Local clock offset: 0.474 ms
Remote clock offset: -3.866 ms

Below is generated by plot.py at 2018-04-11 03:21:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.36 Mbit/s
95th percentile per-packet one-way delay: 50.372 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 51.328 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 46.952 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 56.098 ms
Loss rate: 0.81%

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

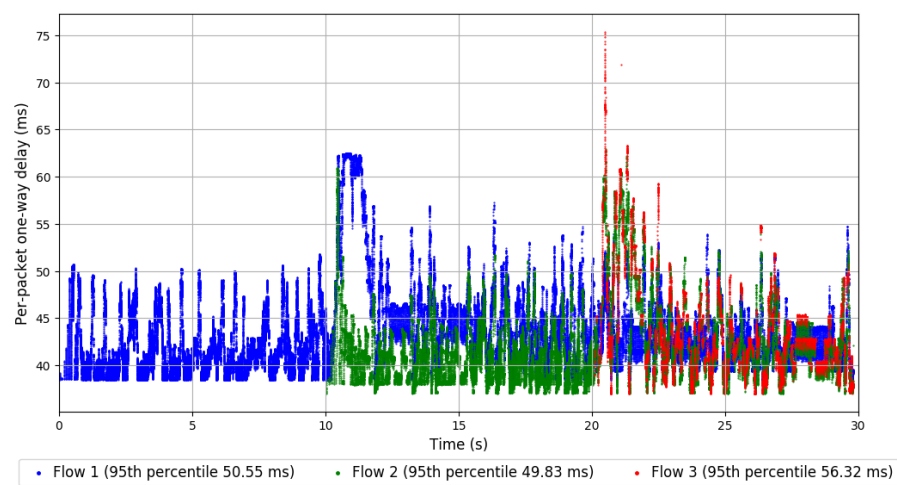
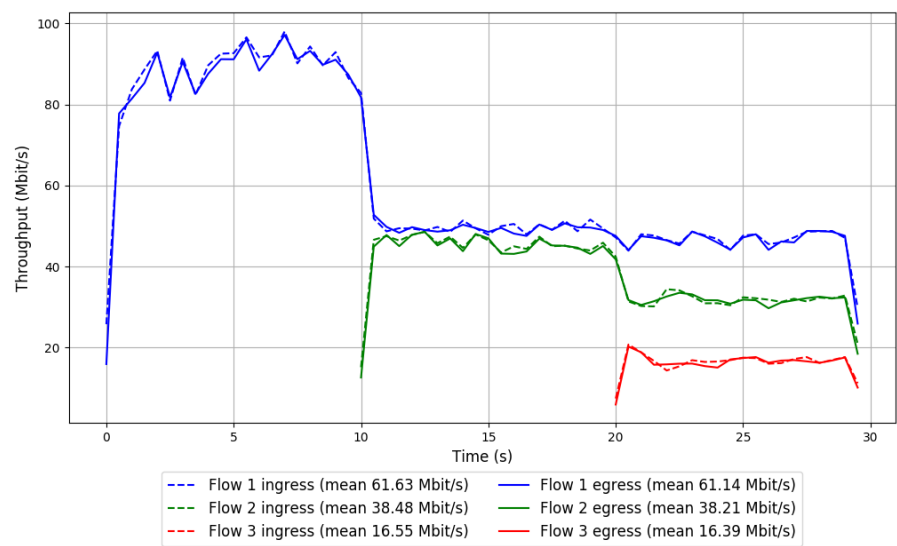


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-10 22:15:31
End at: 2018-04-10 22:16:01
Local clock offset: 0.405 ms
Remote clock offset: -2.336 ms

Below is generated by plot.py at 2018-04-11 03:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 50.809 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 50.548 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 49.825 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 16.39 Mbit/s
95th percentile per-packet one-way delay: 56.320 ms
Loss rate: 1.70%

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

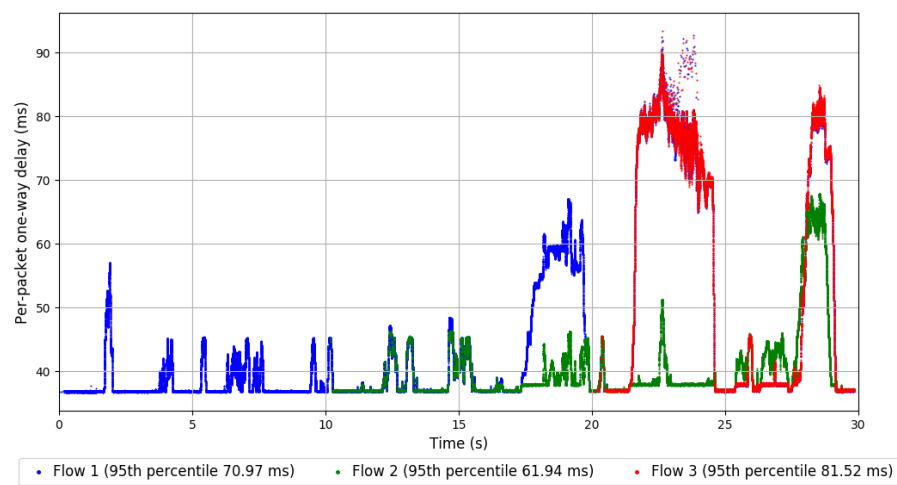
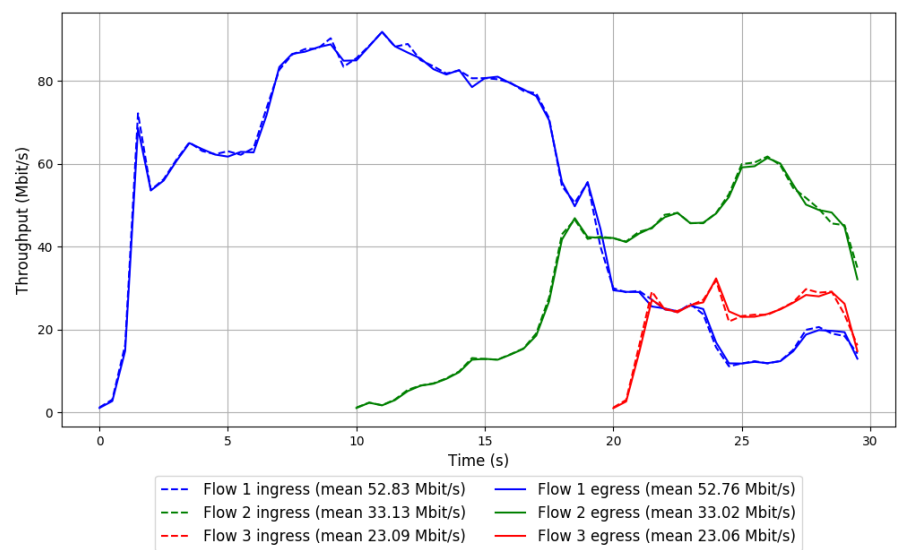


Run 1: Statistics of Vivace-latency

Start at: 2018-04-10 18:29:04
End at: 2018-04-10 18:29:34
Local clock offset: 0.19 ms
Remote clock offset: -0.779 ms

Below is generated by plot.py at 2018-04-11 03:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.28 Mbit/s
95th percentile per-packet one-way delay: 76.335 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 52.76 Mbit/s
95th percentile per-packet one-way delay: 70.973 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 33.02 Mbit/s
95th percentile per-packet one-way delay: 61.936 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 81.518 ms
Loss rate: 0.82%

Run 1: Report of Vivace-latency — Data Link

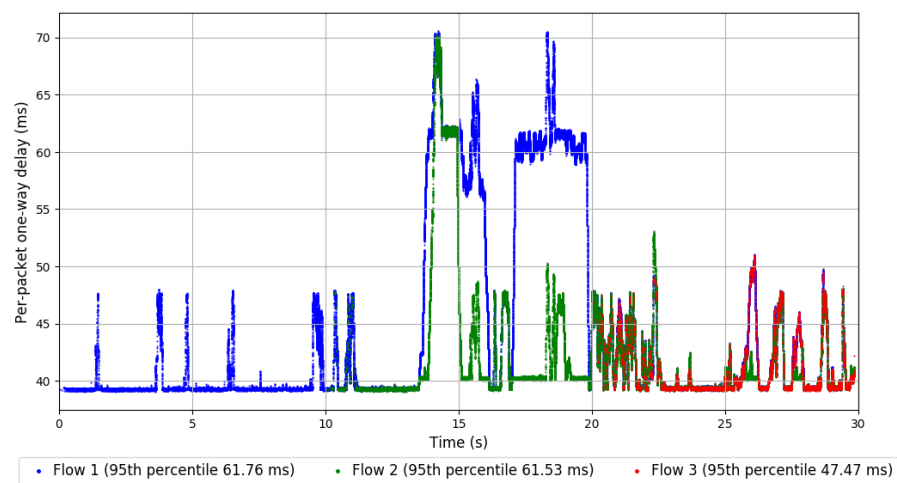
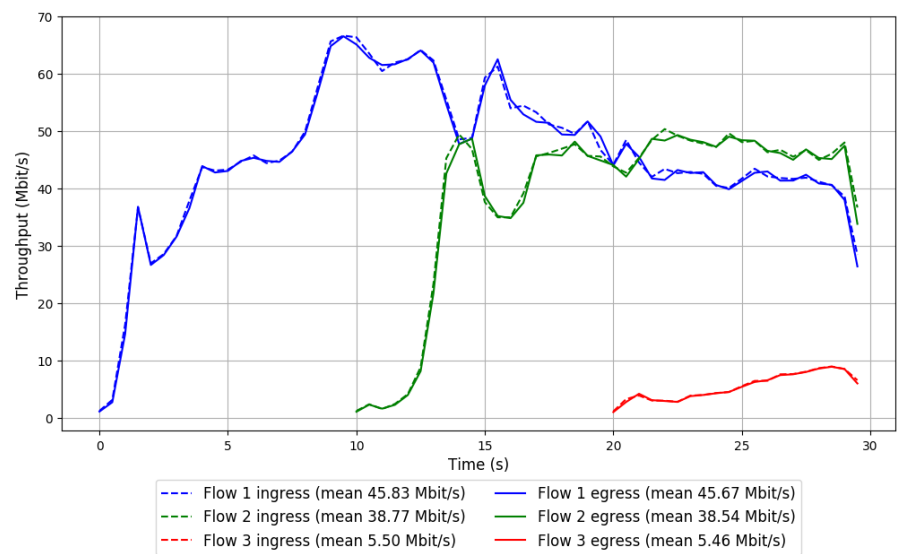


Run 2: Statistics of Vivace-latency

Start at: 2018-04-10 18:54:00
End at: 2018-04-10 18:54:30
Local clock offset: 0.061 ms
Remote clock offset: -2.162 ms

Below is generated by plot.py at 2018-04-11 03:21:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.07 Mbit/s
95th percentile per-packet one-way delay: 61.699 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 61.760 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 47.474 ms
Loss rate: 1.45%

Run 2: Report of Vivace-latency — Data Link

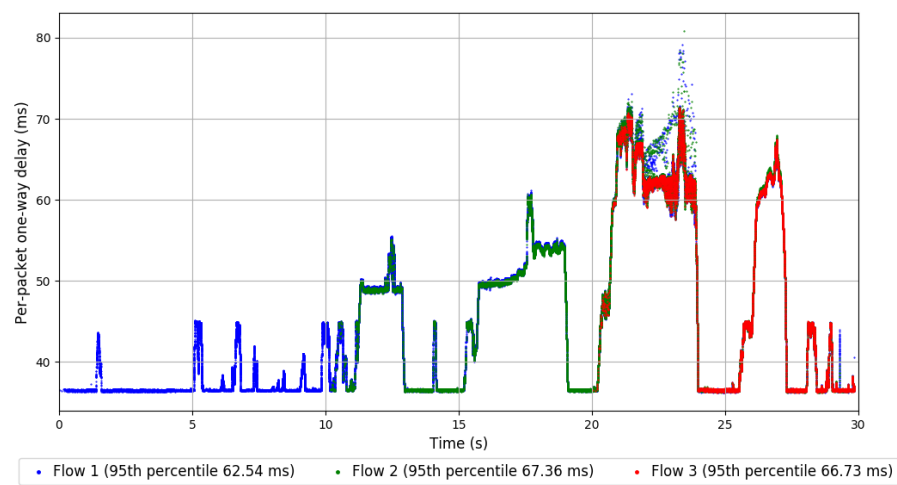
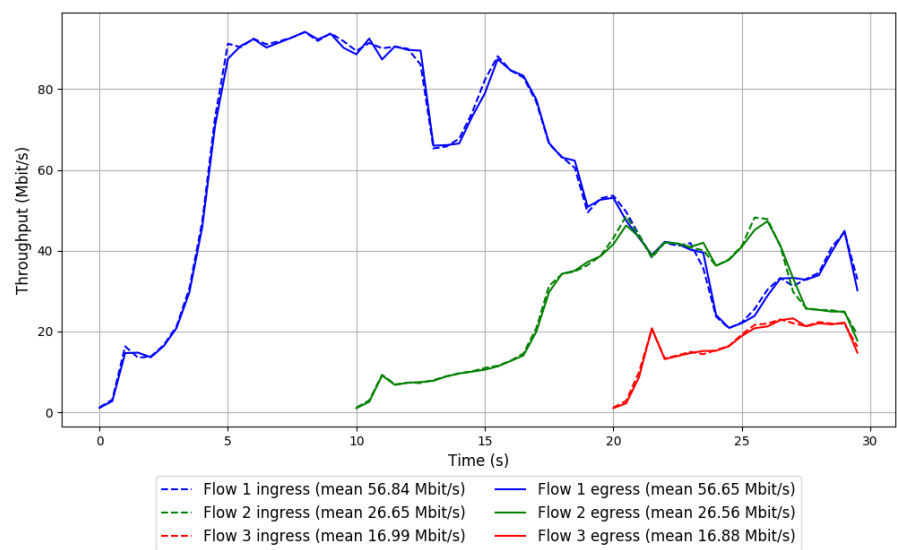


Run 3: Statistics of Vivace-latency

Start at: 2018-04-10 19:19:12
End at: 2018-04-10 19:19:42
Local clock offset: -0.317 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-04-11 03:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.83 Mbit/s
95th percentile per-packet one-way delay: 64.704 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 62.537 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 67.356 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 16.88 Mbit/s
95th percentile per-packet one-way delay: 66.729 ms
Loss rate: 1.33%

Run 3: Report of Vivace-latency — Data Link

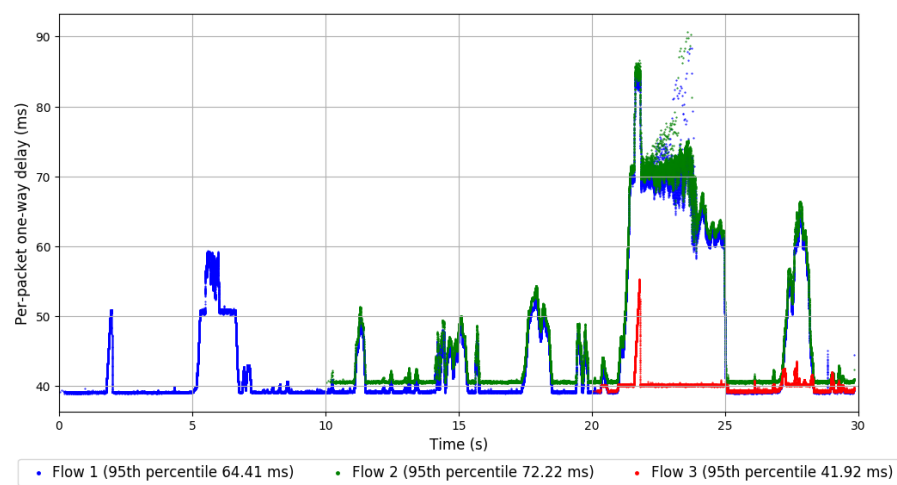
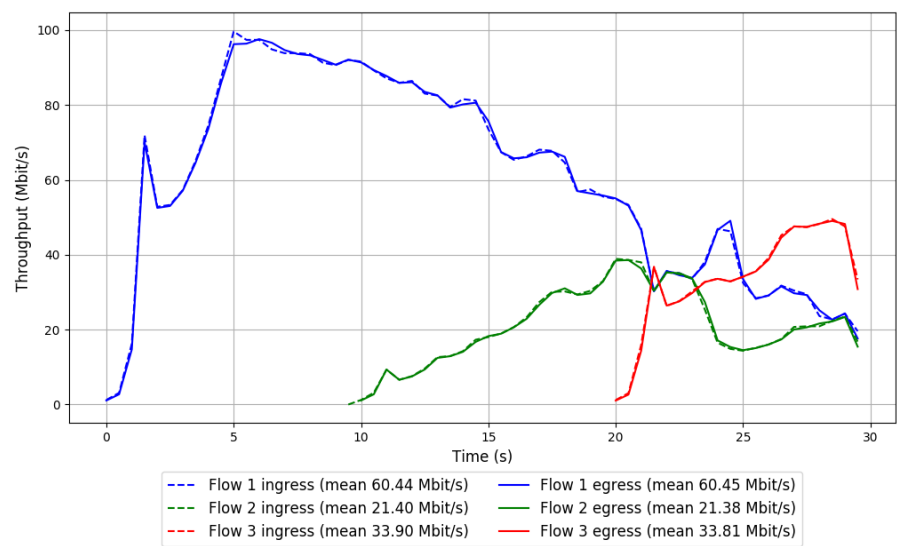


Run 4: Statistics of Vivace-latency

Start at: 2018-04-10 19:43:58
End at: 2018-04-10 19:44:28
Local clock offset: -0.084 ms
Remote clock offset: -5.904 ms

Below is generated by plot.py at 2018-04-11 03:22:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 69.535 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 64.412 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 72.217 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: 41.920 ms
Loss rate: 0.92%

Run 4: Report of Vivace-latency — Data Link

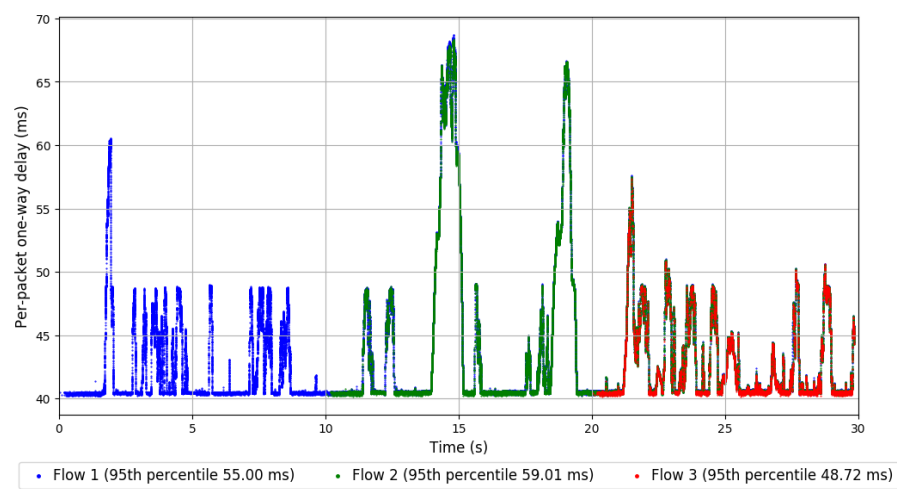
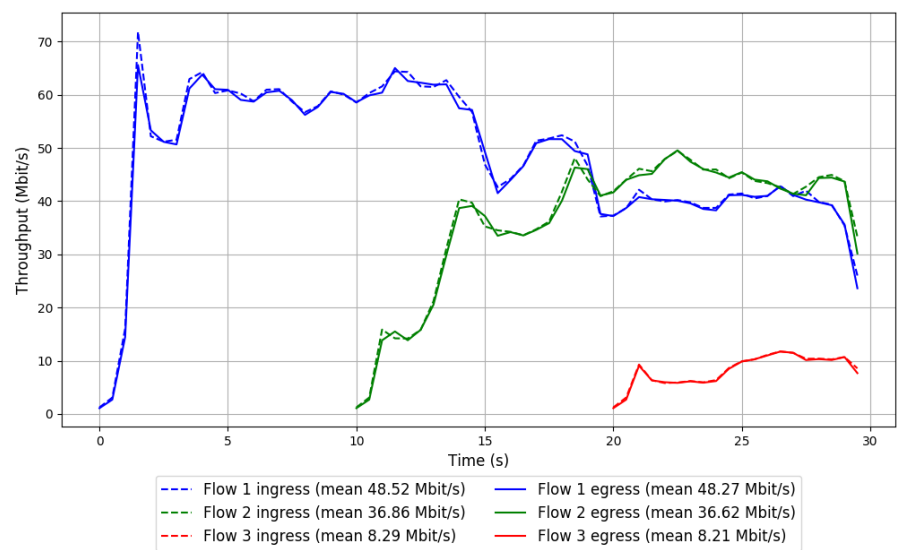


Run 5: Statistics of Vivace-latency

Start at: 2018-04-10 20:09:05
End at: 2018-04-10 20:09:35
Local clock offset: 0.24 ms
Remote clock offset: -3.688 ms

Below is generated by plot.py at 2018-04-11 03:22:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 55.613 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 55.003 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 59.005 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 48.722 ms
Loss rate: 1.58%

Run 5: Report of Vivace-latency — Data Link

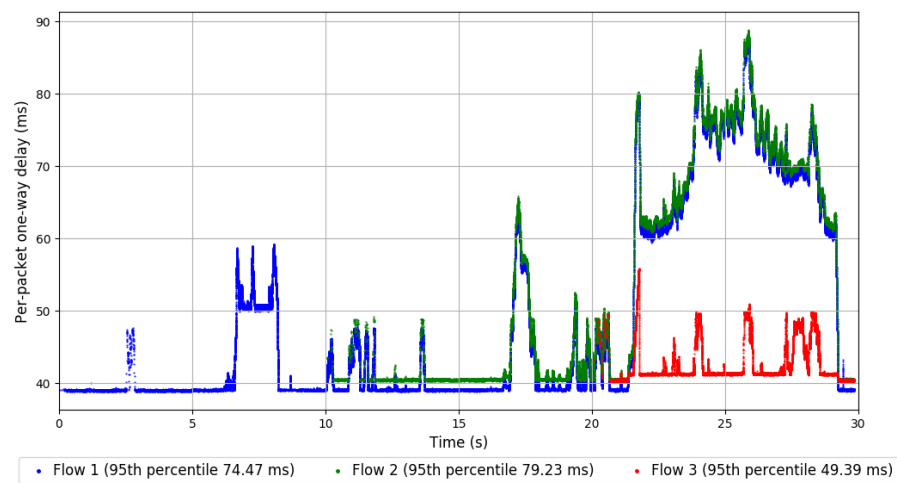
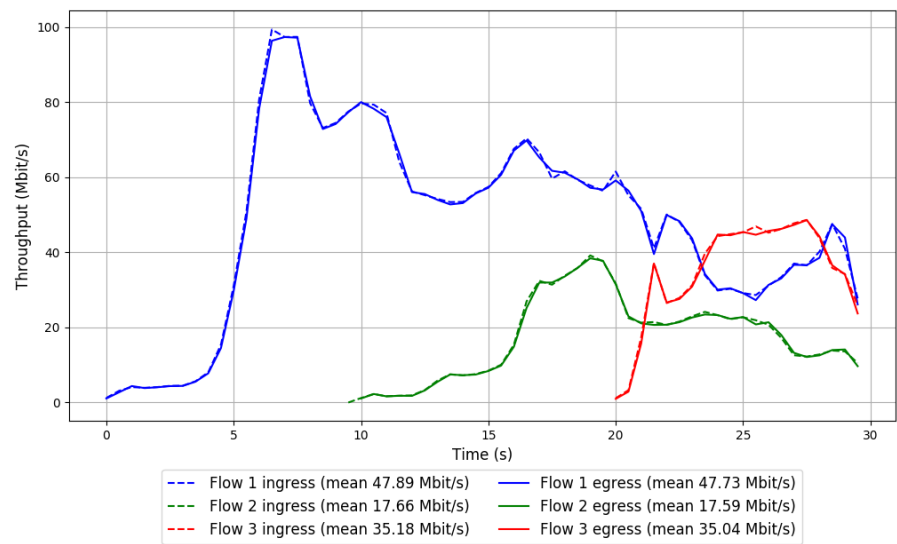


Run 6: Statistics of Vivace-latency

Start at: 2018-04-10 20:35:06
End at: 2018-04-10 20:35:36
Local clock offset: 0.568 ms
Remote clock offset: -4.573 ms

Below is generated by plot.py at 2018-04-11 03:22:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.92 Mbit/s
95th percentile per-packet one-way delay: 75.680 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 47.73 Mbit/s
95th percentile per-packet one-way delay: 74.474 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 17.59 Mbit/s
95th percentile per-packet one-way delay: 79.232 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 49.392 ms
Loss rate: 1.12%

Run 6: Report of Vivace-latency — Data Link

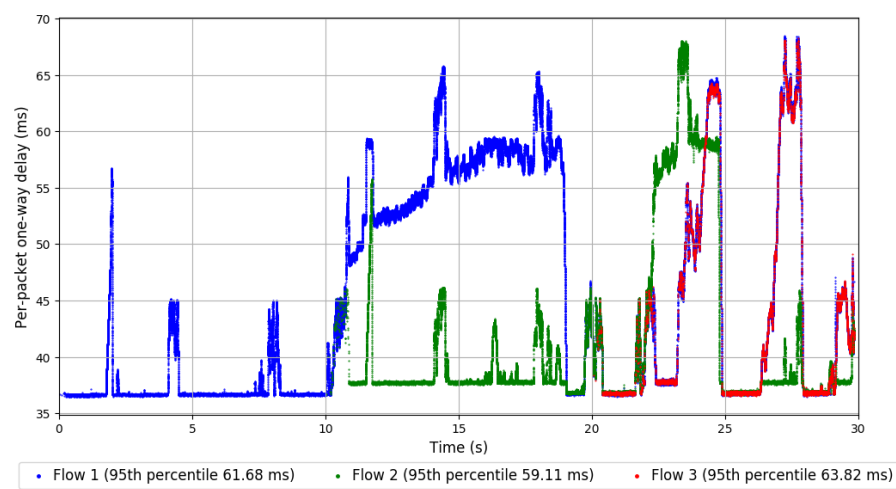
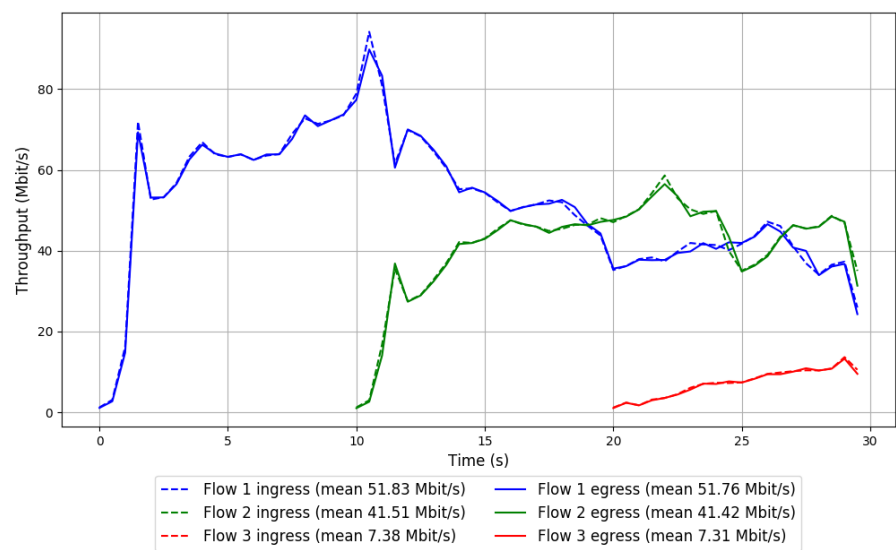


Run 7: Statistics of Vivace-latency

Start at: 2018-04-10 21:01:00
End at: 2018-04-10 21:01:30
Local clock offset: -0.181 ms
Remote clock offset: -3.338 ms

Below is generated by plot.py at 2018-04-11 03:22:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.68 Mbit/s
95th percentile per-packet one-way delay: 61.012 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 61.682 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 59.114 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 63.821 ms
Loss rate: 1.66%

Run 7: Report of Vivace-latency — Data Link

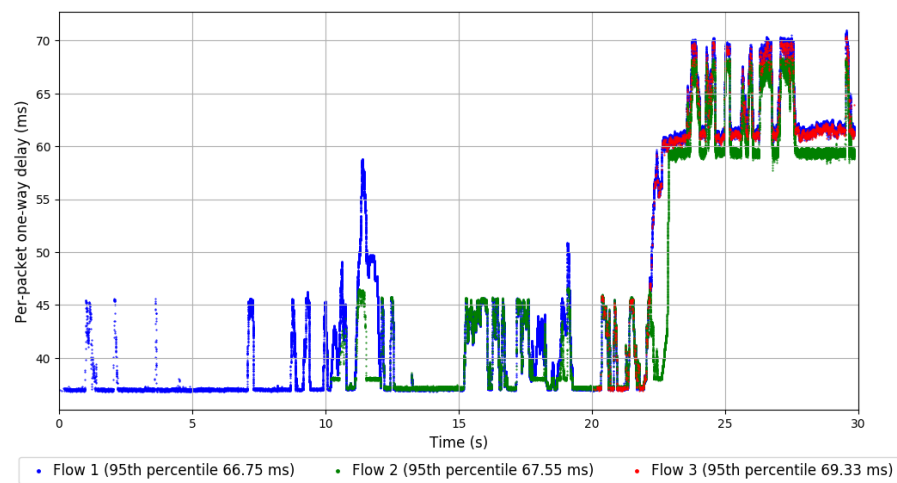
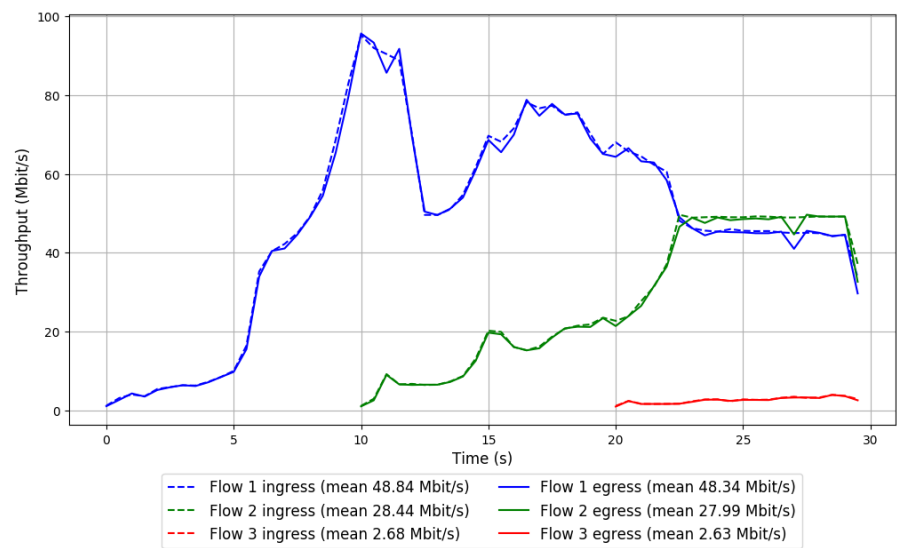


Run 8: Statistics of Vivace-latency

Start at: 2018-04-10 21:26:35
End at: 2018-04-10 21:27:05
Local clock offset: -0.368 ms
Remote clock offset: -3.534 ms

Below is generated by plot.py at 2018-04-11 03:22:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 67.473 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 66.749 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 27.99 Mbit/s
95th percentile per-packet one-way delay: 67.546 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 69.333 ms
Loss rate: 2.42%

Run 8: Report of Vivace-latency — Data Link

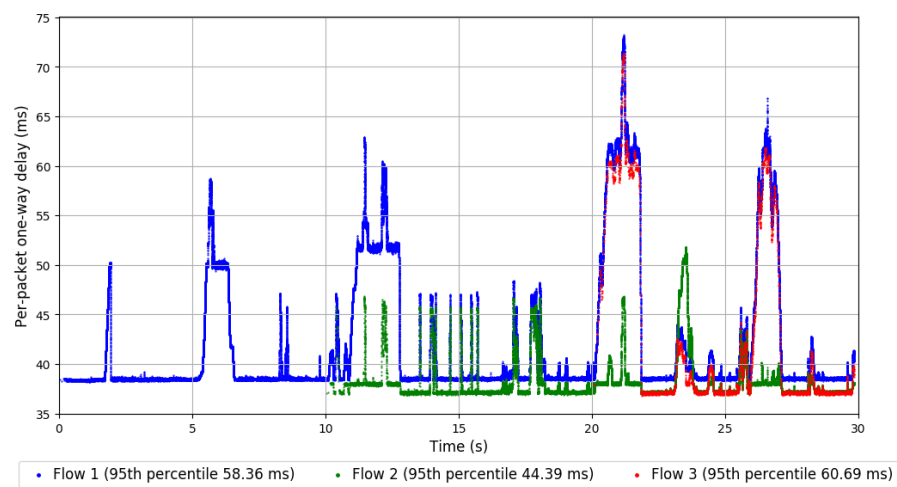
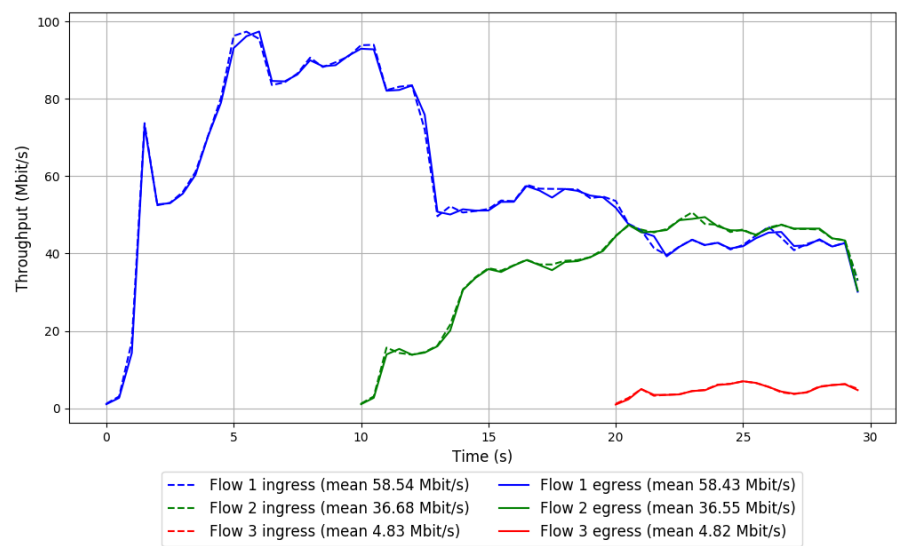


Run 9: Statistics of Vivace-latency

Start at: 2018-04-10 21:52:00
End at: 2018-04-10 21:52:30
Local clock offset: 0.405 ms
Remote clock offset: -1.788 ms

Below is generated by plot.py at 2018-04-11 03:22:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 55.471 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 58.363 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 44.388 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 60.685 ms
Loss rate: 0.94%

Run 9: Report of Vivace-latency — Data Link

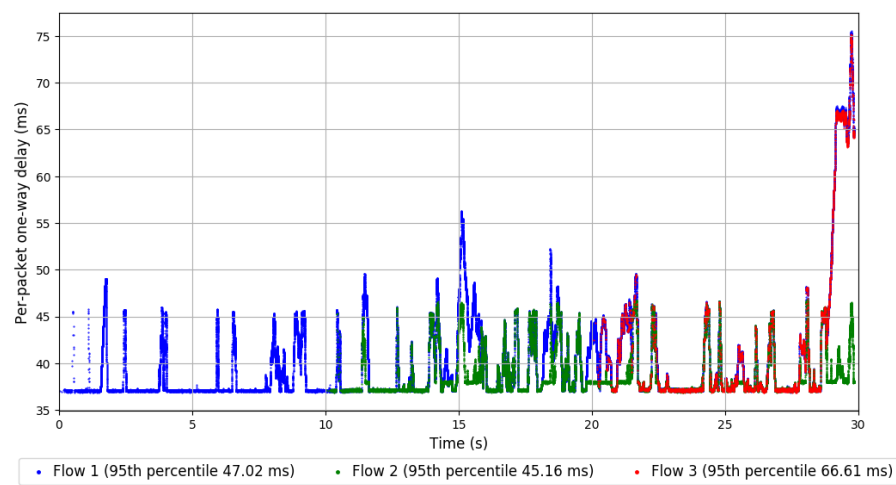
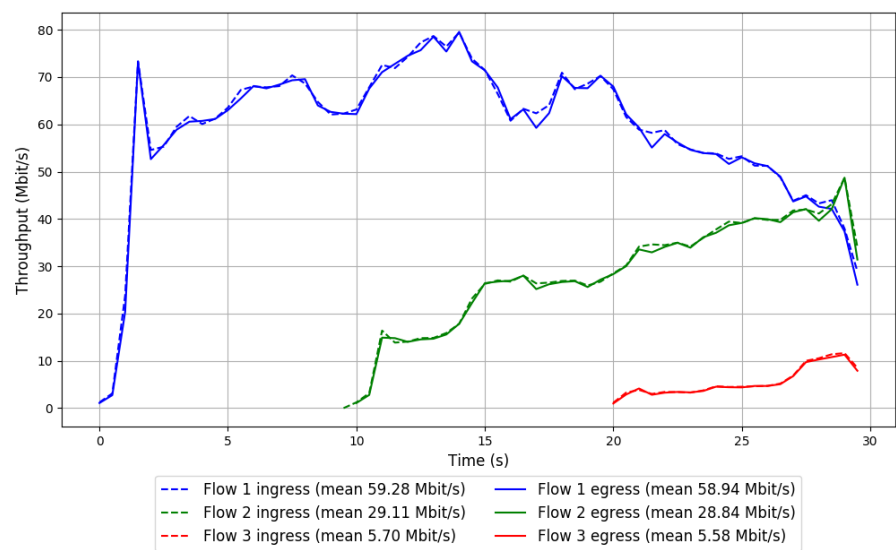


Run 10: Statistics of Vivace-latency

Start at: 2018-04-10 22:17:06
End at: 2018-04-10 22:17:36
Local clock offset: 0.463 ms
Remote clock offset: -2.473 ms

Below is generated by plot.py at 2018-04-11 03:22:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.93 Mbit/s
95th percentile per-packet one-way delay: 46.282 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 47.022 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 28.84 Mbit/s
95th percentile per-packet one-way delay: 45.163 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 66.609 ms
Loss rate: 2.83%

Run 10: Report of Vivace-latency — Data Link

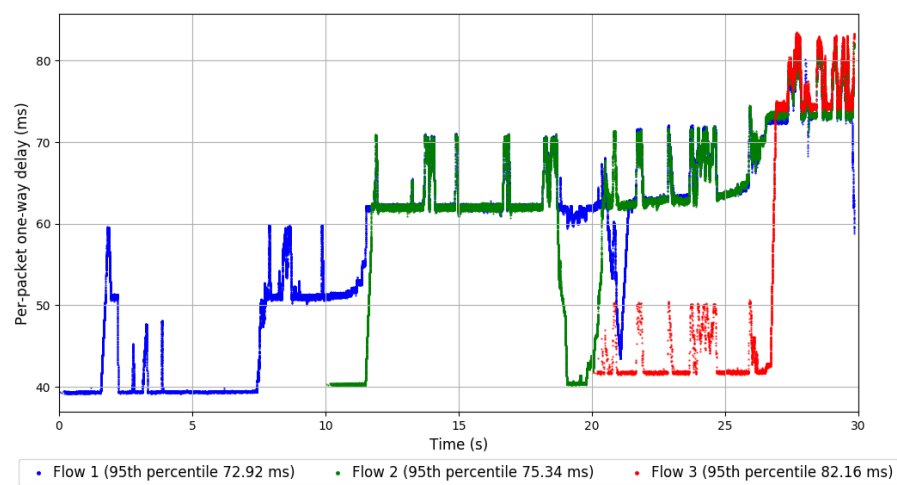
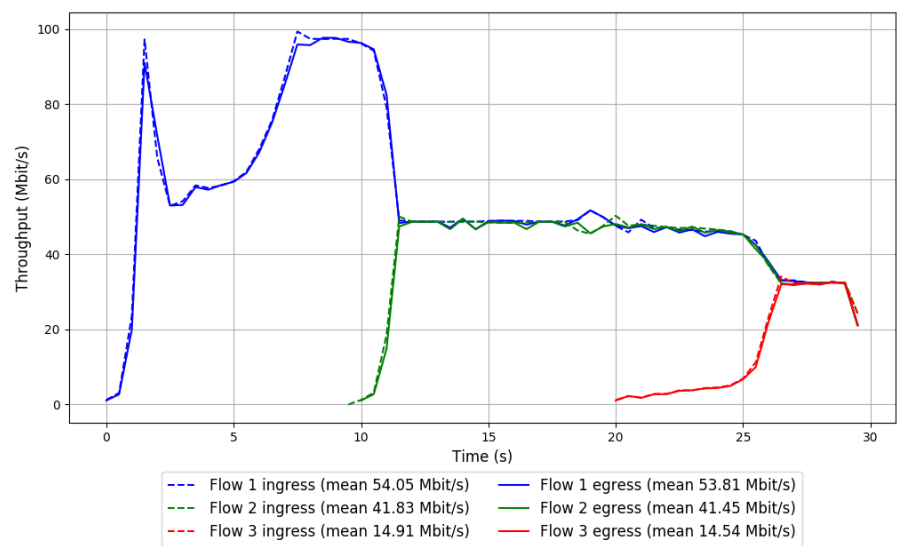


Run 1: Statistics of Vivace-loss

Start at: 2018-04-10 18:17:14
End at: 2018-04-10 18:17:44
Local clock offset: 0.901 ms
Remote clock offset: -4.248 ms

Below is generated by plot.py at 2018-04-11 03:22:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 75.456 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 53.81 Mbit/s
95th percentile per-packet one-way delay: 72.925 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 41.45 Mbit/s
95th percentile per-packet one-way delay: 75.340 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 14.54 Mbit/s
95th percentile per-packet one-way delay: 82.160 ms
Loss rate: 3.32%

Run 1: Report of Vivace-loss — Data Link

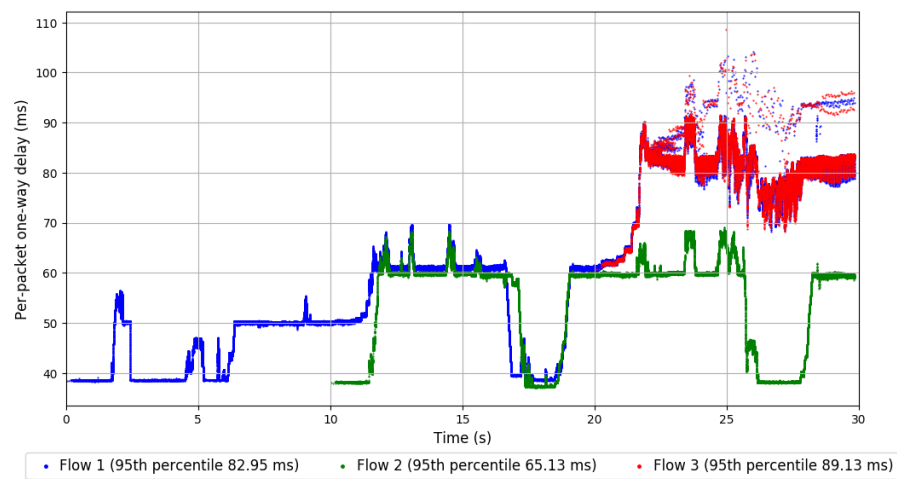
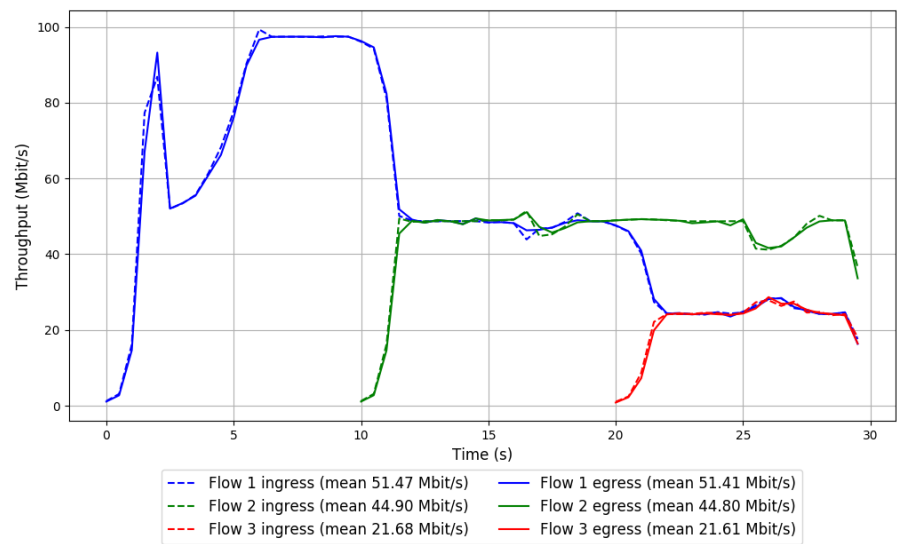


Run 2: Statistics of Vivace-loss

Start at: 2018-04-10 18:42:46
End at: 2018-04-10 18:43:16
Local clock offset: -0.075 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-04-11 03:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 83.041 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 51.41 Mbit/s
95th percentile per-packet one-way delay: 82.946 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 65.131 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 89.127 ms
Loss rate: 1.50%

Run 2: Report of Vivace-loss — Data Link

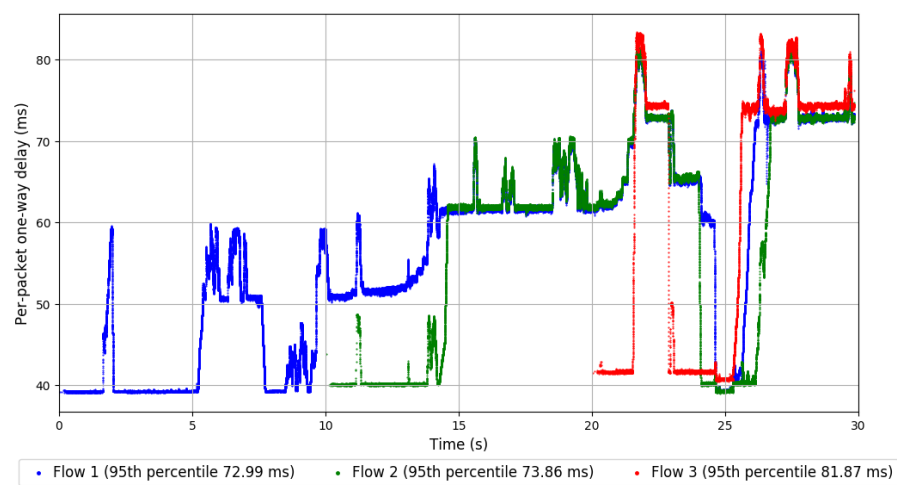
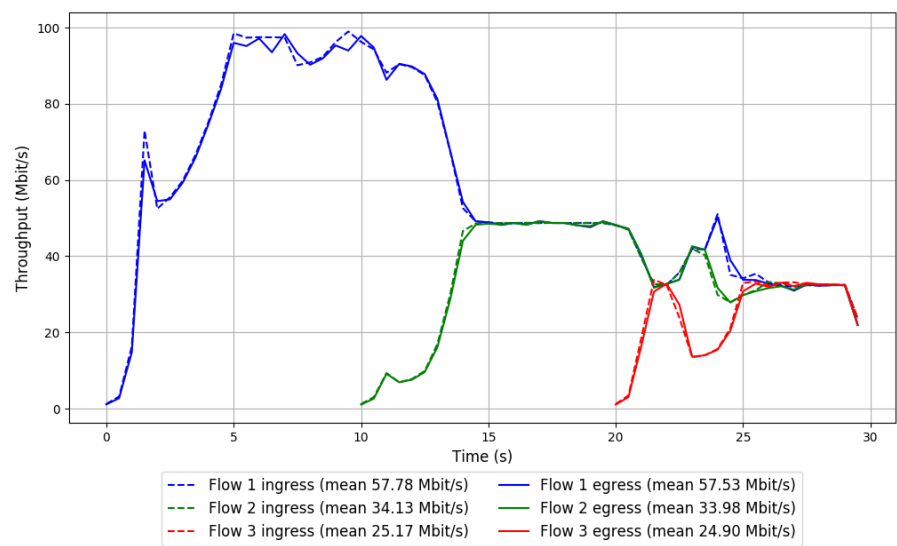


Run 3: Statistics of Vivace-loss

Start at: 2018-04-10 19:07:59
End at: 2018-04-10 19:08:29
Local clock offset: -0.18 ms
Remote clock offset: -2.321 ms

Below is generated by plot.py at 2018-04-11 03:23:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 74.566 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 72.988 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 73.861 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 81.874 ms
Loss rate: 1.73%

Run 3: Report of Vivace-loss — Data Link

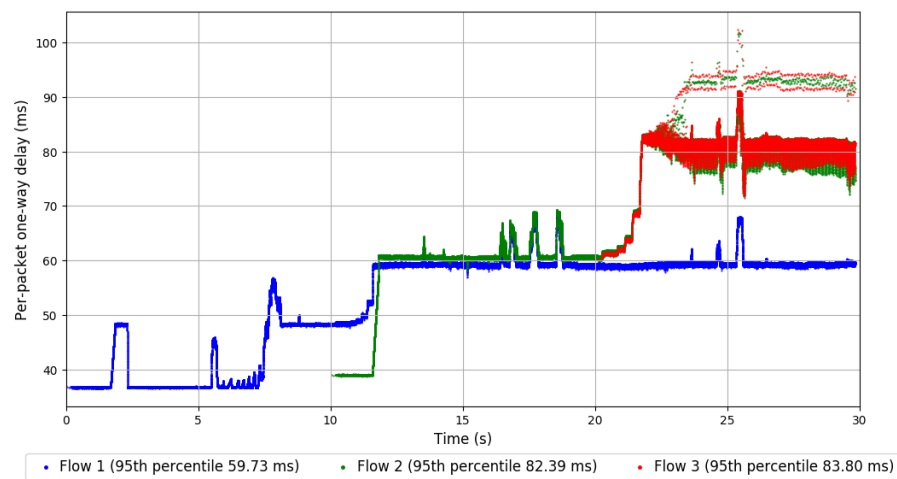
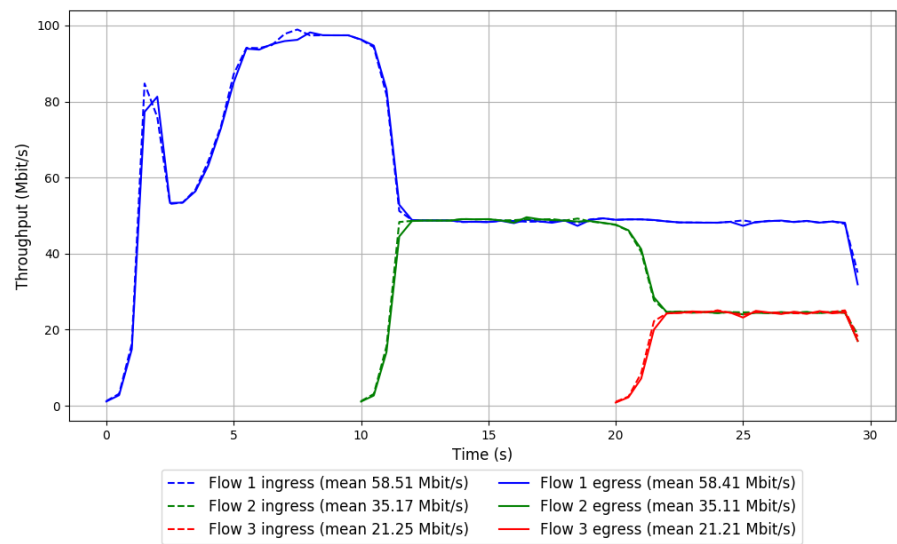


Run 4: Statistics of Vivace-loss

Start at: 2018-04-10 19:32:49
End at: 2018-04-10 19:33:19
Local clock offset: -0.018 ms
Remote clock offset: -2.412 ms

Below is generated by plot.py at 2018-04-11 03:23:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 82.086 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 59.726 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 82.393 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 83.798 ms
Loss rate: 1.42%

Run 4: Report of Vivace-loss — Data Link

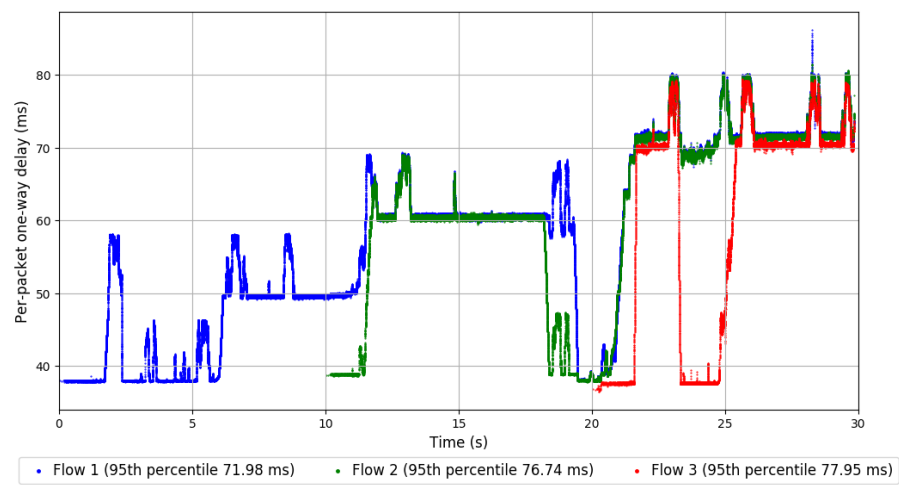
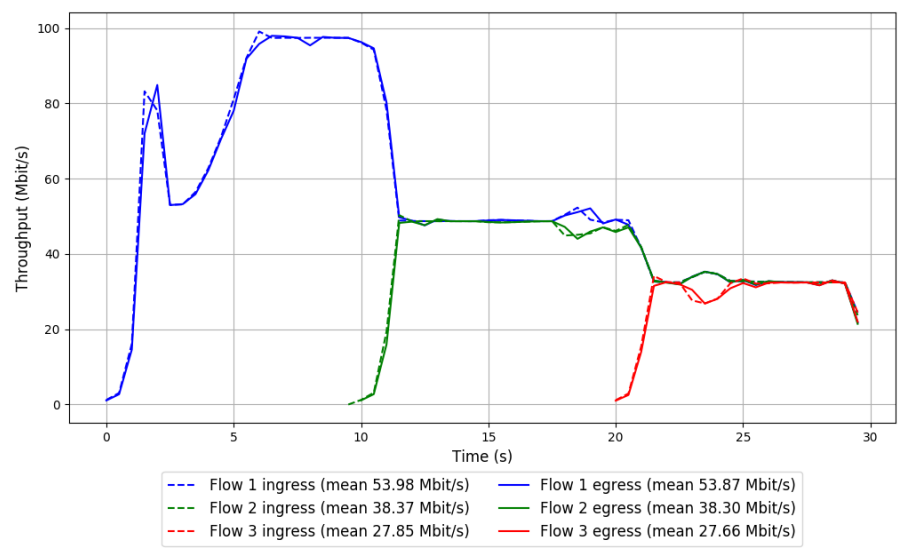


Run 5: Statistics of Vivace-loss

Start at: 2018-04-10 19:57:39
End at: 2018-04-10 19:58:09
Local clock offset: 0.018 ms
Remote clock offset: -2.601 ms

Below is generated by plot.py at 2018-04-11 03:23:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 75.291 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 71.976 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 76.737 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 77.949 ms
Loss rate: 1.59%

Run 5: Report of Vivace-loss — Data Link

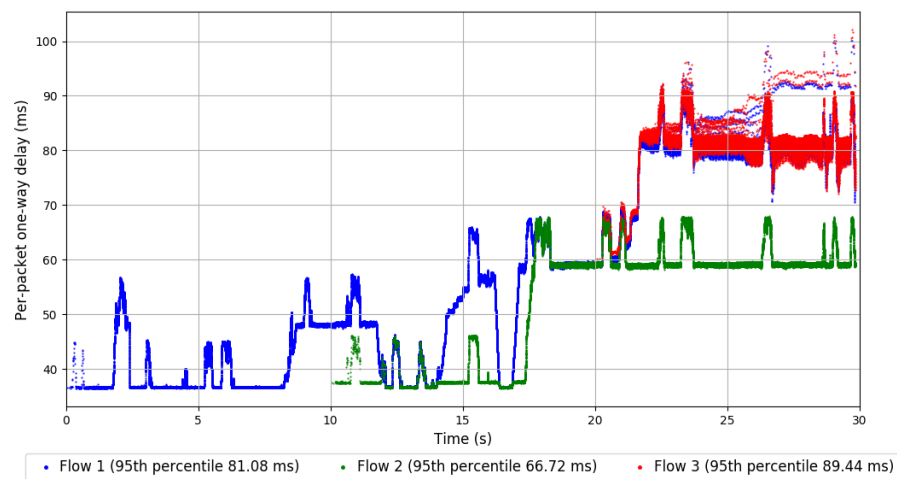
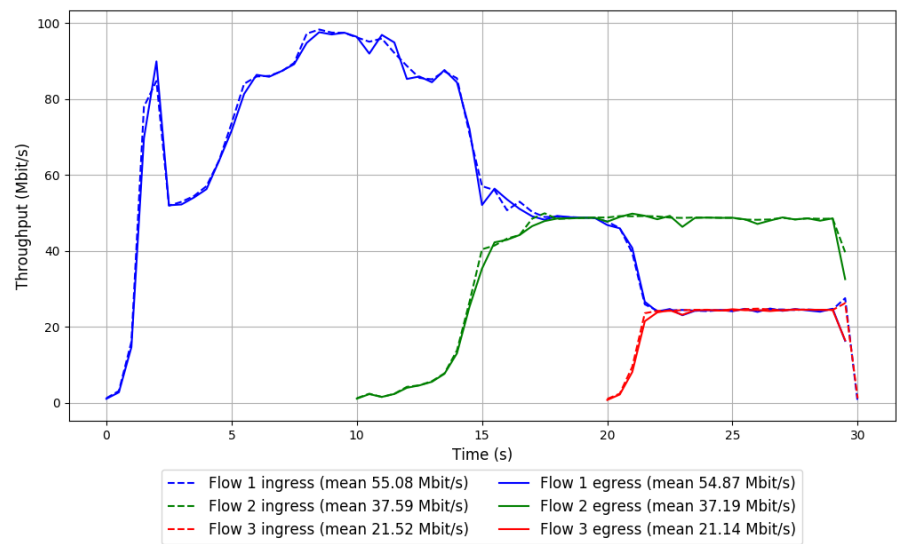


Run 6: Statistics of Vivace-loss

Start at: 2018-04-10 20:23:24
End at: 2018-04-10 20:23:54
Local clock offset: 0.447 ms
Remote clock offset: -0.899 ms

Below is generated by plot.py at 2018-04-11 03:24:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.49 Mbit/s
95th percentile per-packet one-way delay: 82.202 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 81.080 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 37.19 Mbit/s
95th percentile per-packet one-way delay: 66.721 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 89.444 ms
Loss rate: 4.02%

Run 6: Report of Vivace-loss — Data Link

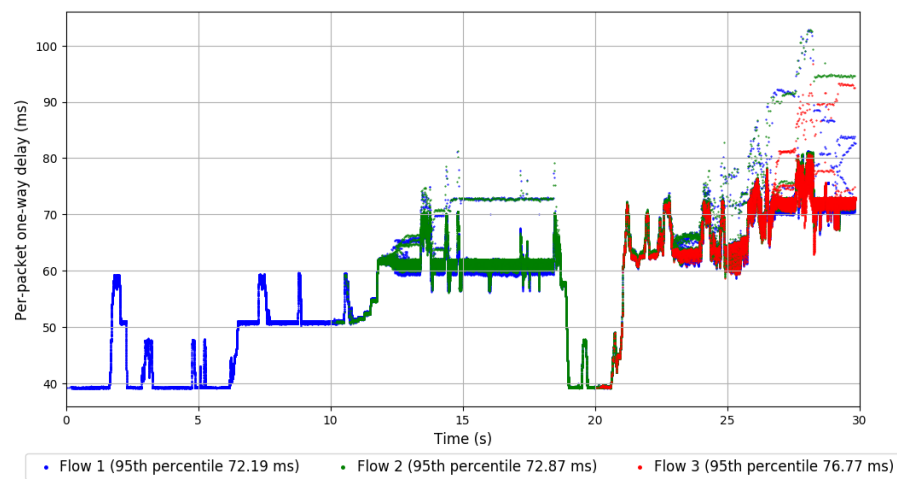
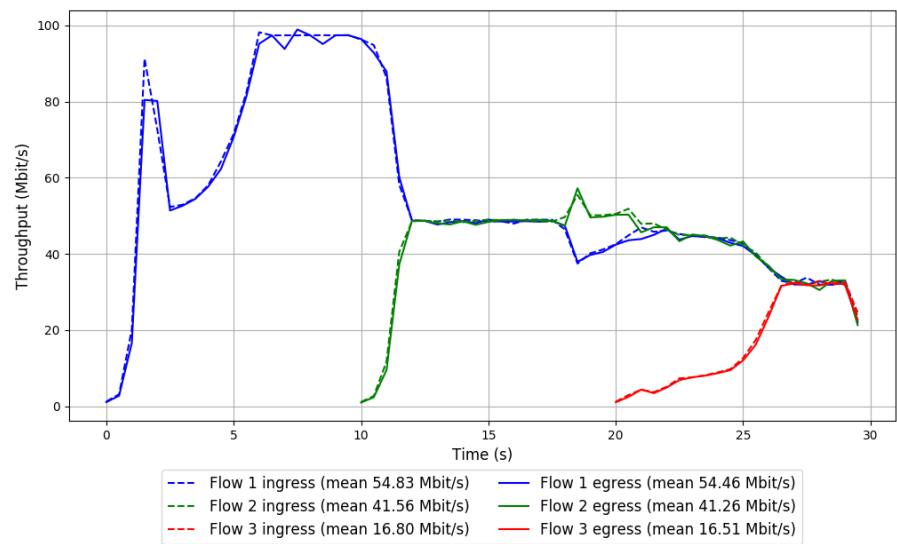


Run 7: Statistics of Vivace-loss

Start at: 2018-04-10 20:49:12
End at: 2018-04-10 20:49:42
Local clock offset: 0.213 ms
Remote clock offset: -5.507 ms

Below is generated by plot.py at 2018-04-11 03:24:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 72.813 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 54.46 Mbit/s
95th percentile per-packet one-way delay: 72.191 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: 72.873 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 76.768 ms
Loss rate: 2.68%

Run 7: Report of Vivace-loss — Data Link

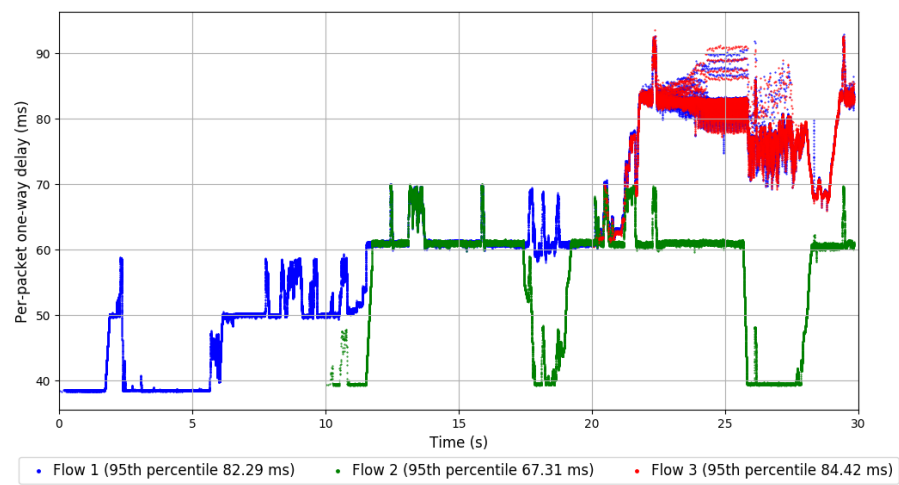
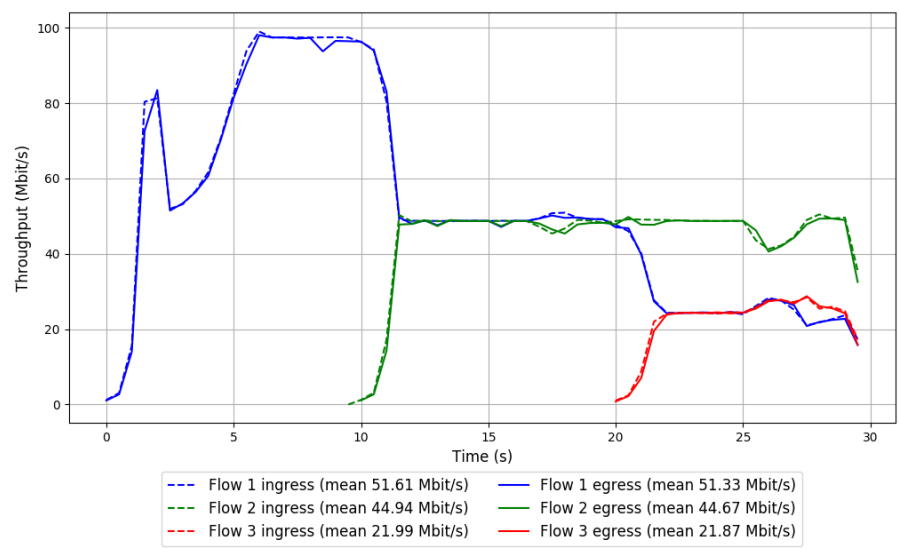


Run 8: Statistics of Vivace-loss

Start at: 2018-04-10 21:15:06
End at: 2018-04-10 21:15:36
Local clock offset: -0.236 ms
Remote clock offset: -3.466 ms

Below is generated by plot.py at 2018-04-11 03:24:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 82.664 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 82.286 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 44.67 Mbit/s
95th percentile per-packet one-way delay: 67.305 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 21.87 Mbit/s
95th percentile per-packet one-way delay: 84.423 ms
Loss rate: 1.66%

Run 8: Report of Vivace-loss — Data Link

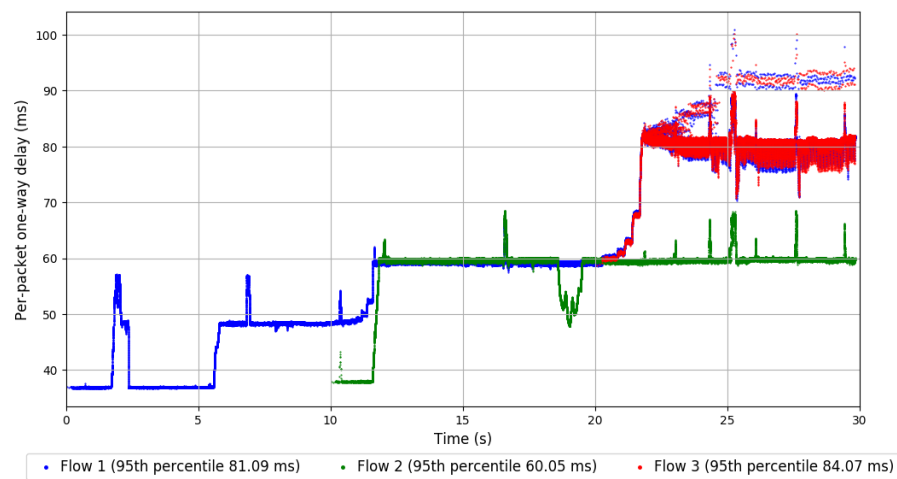
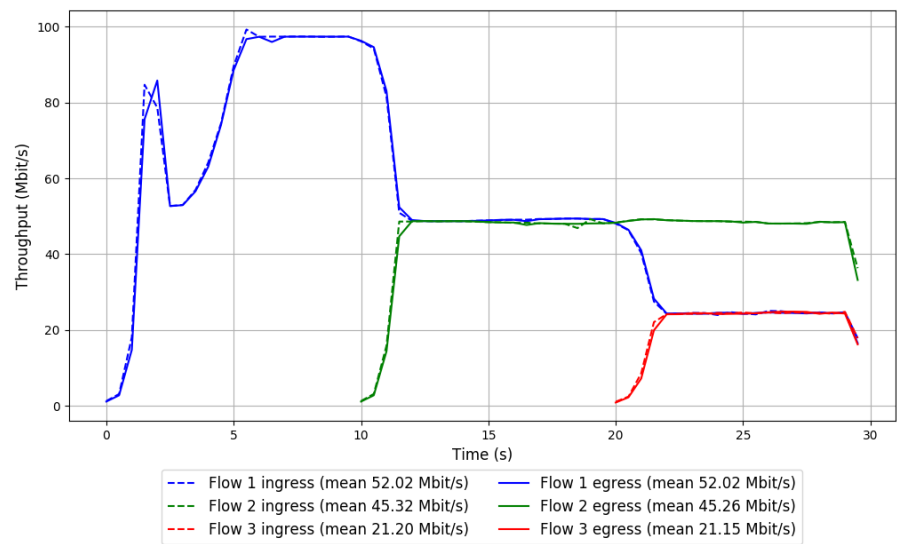


Run 9: Statistics of Vivace-loss

Start at: 2018-04-10 21:40:55
End at: 2018-04-10 21:41:25
Local clock offset: 0.074 ms
Remote clock offset: -2.565 ms

Below is generated by plot.py at 2018-04-11 03:24:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 81.197 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 81.092 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 60.046 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 84.068 ms
Loss rate: 1.33%

Run 9: Report of Vivace-loss — Data Link

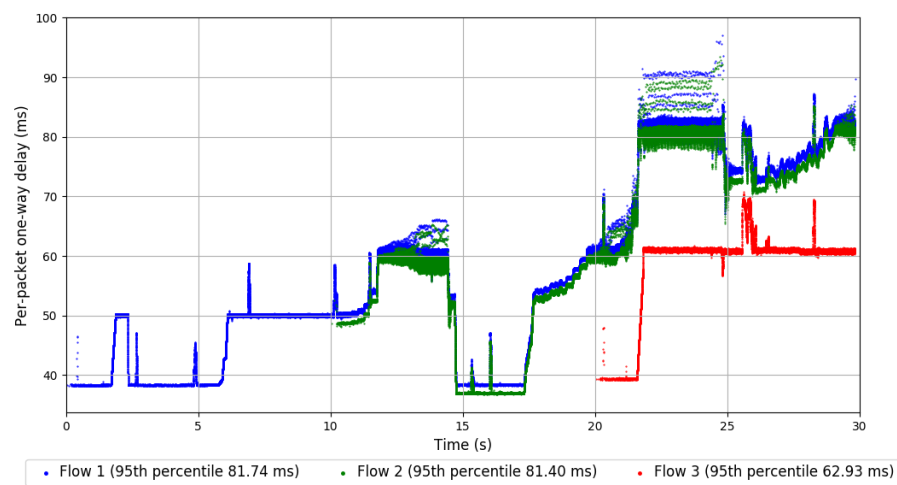
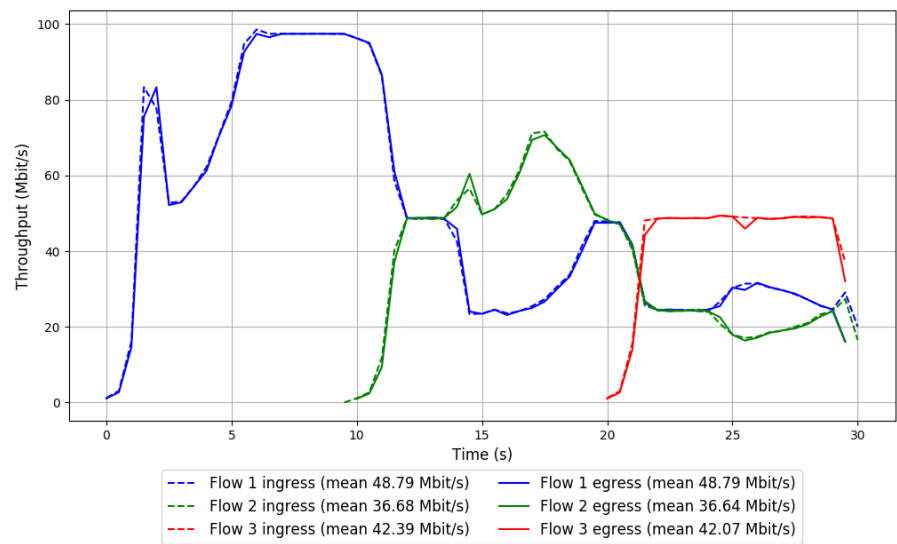


Run 10: Statistics of Vivace-loss

Start at: 2018-04-10 22:05:46
End at: 2018-04-10 22:06:16
Local clock offset: 0.611 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2018-04-11 03:24:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 81.258 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 81.737 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 81.398 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 62.934 ms
Loss rate: 1.70%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-04-10 18:11:27

End at: 2018-04-10 18:11:57

Local clock offset: 1.439 ms

Remote clock offset: -5.37 ms

Below is generated by plot.py at 2018-04-11 03:25:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 75.890 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 74.466 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 32.76 Mbit/s

95th percentile per-packet one-way delay: 77.498 ms

Loss rate: 1.07%

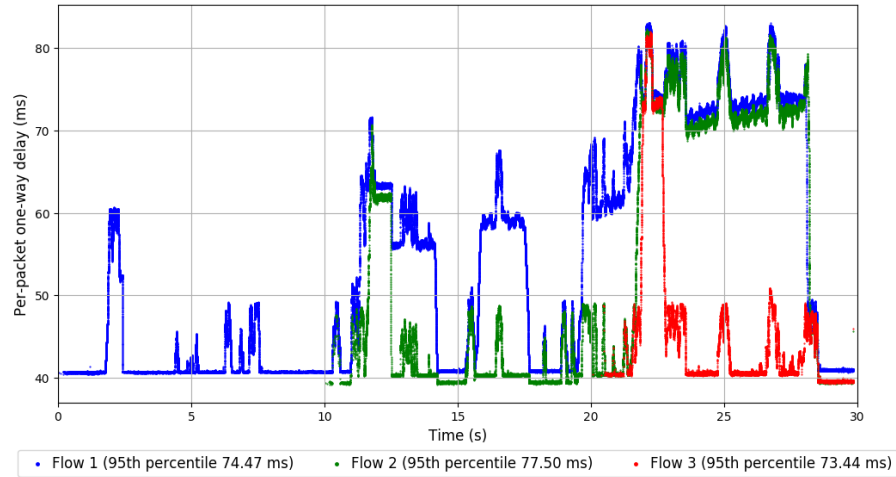
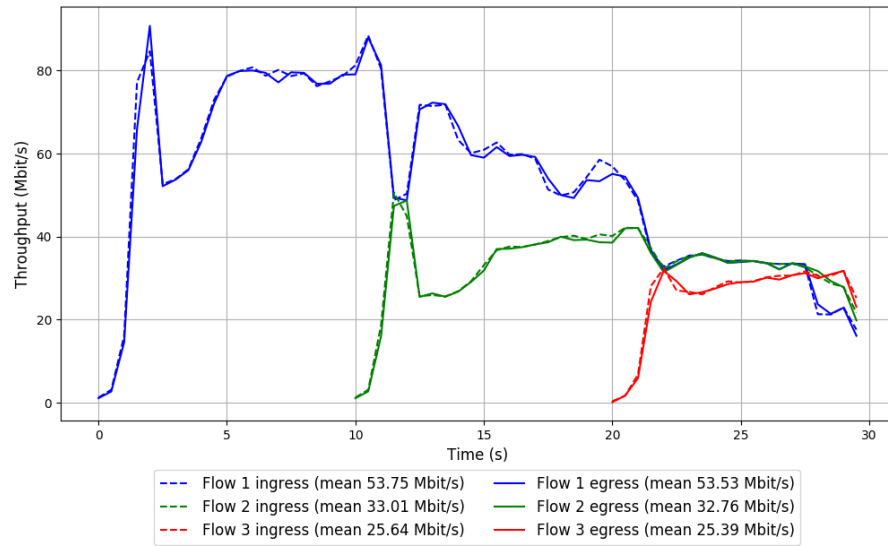
-- Flow 3:

Average throughput: 25.39 Mbit/s

95th percentile per-packet one-way delay: 73.435 ms

Loss rate: 1.60%

Run 1: Report of Vivace-LTE — Data Link

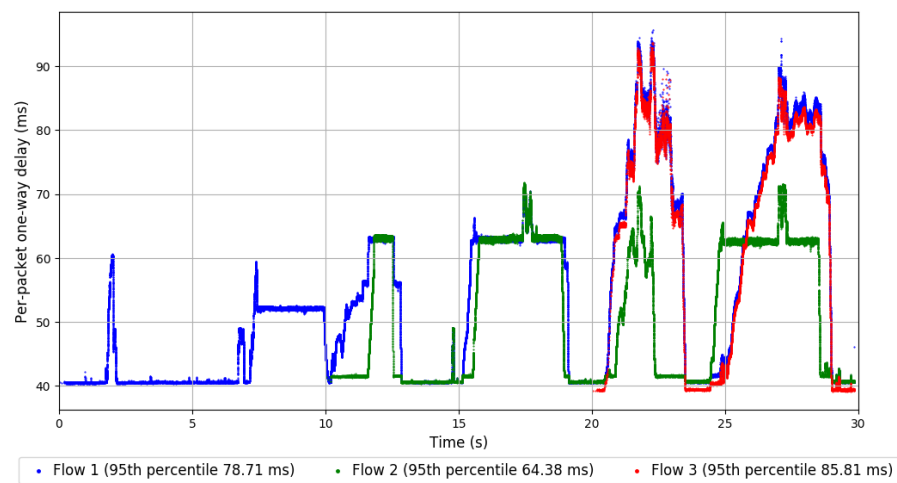
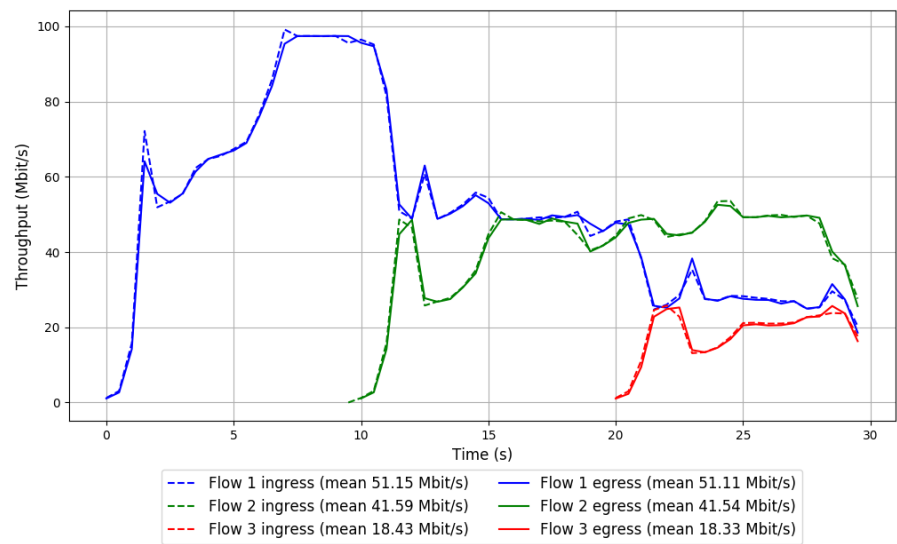


Run 2: Statistics of Vivace-LTE

Start at: 2018-04-10 18:37:20
End at: 2018-04-10 18:37:50
Local clock offset: 0.113 ms
Remote clock offset: -2.554 ms

Below is generated by plot.py at 2018-04-11 03:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.73 Mbit/s
95th percentile per-packet one-way delay: 79.846 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 51.11 Mbit/s
95th percentile per-packet one-way delay: 78.711 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 64.378 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 85.815 ms
Loss rate: 1.26%

Run 2: Report of Vivace-LTE — Data Link

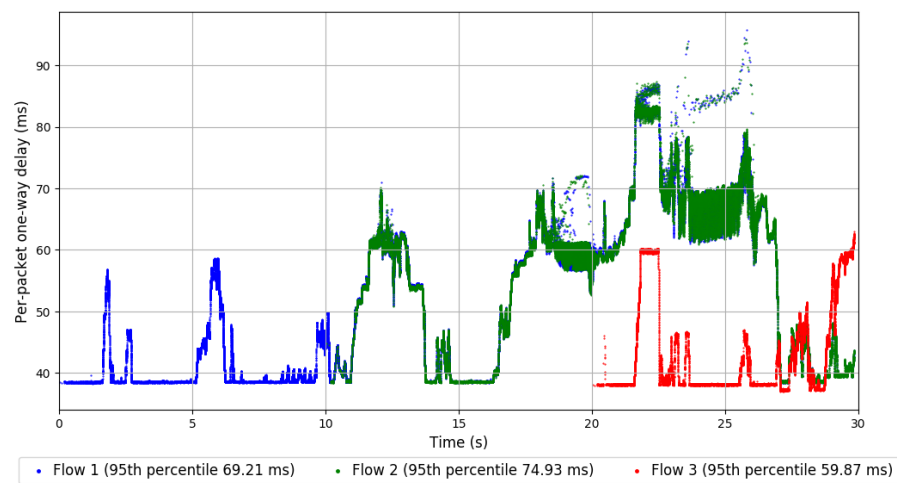
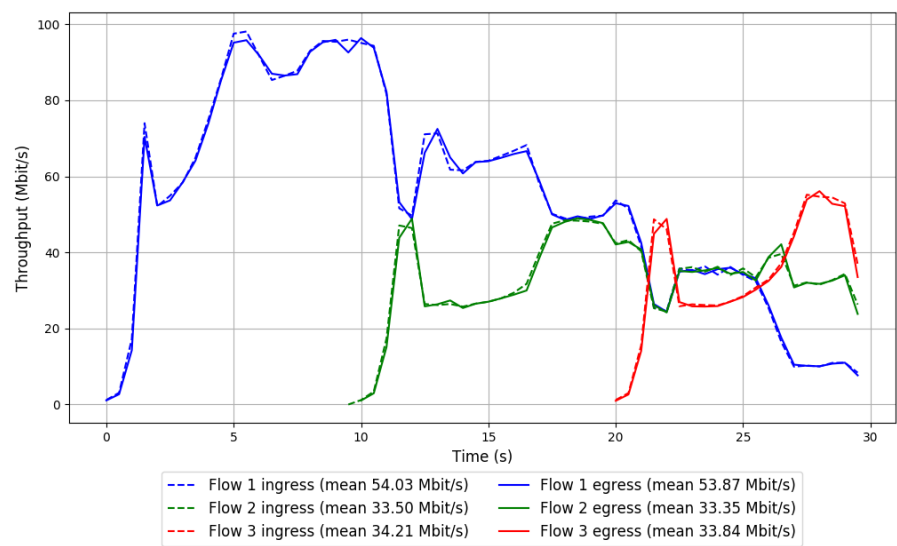


Run 3: Statistics of Vivace-LTE

Start at: 2018-04-10 19:02:26
End at: 2018-04-10 19:02:56
Local clock offset: -0.048 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-04-11 03:25:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 69.746 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 69.210 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 74.929 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 59.873 ms
Loss rate: 1.77%

Run 3: Report of Vivace-LTE — Data Link

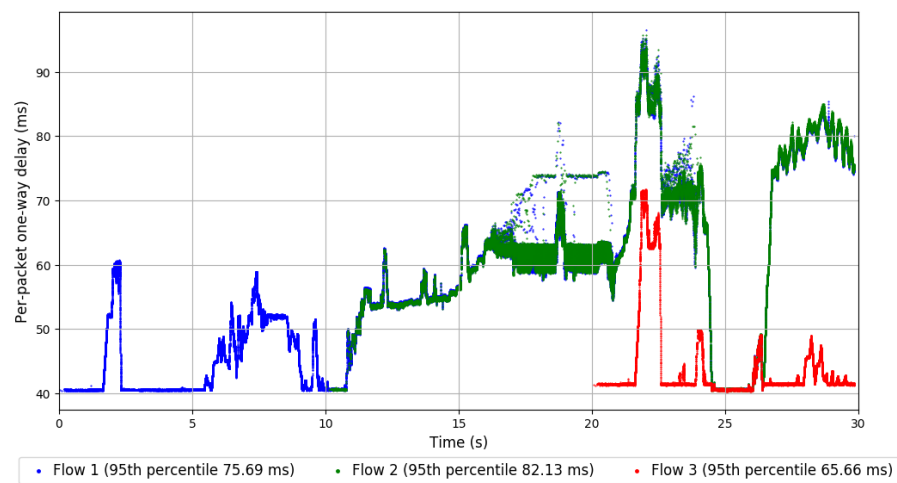
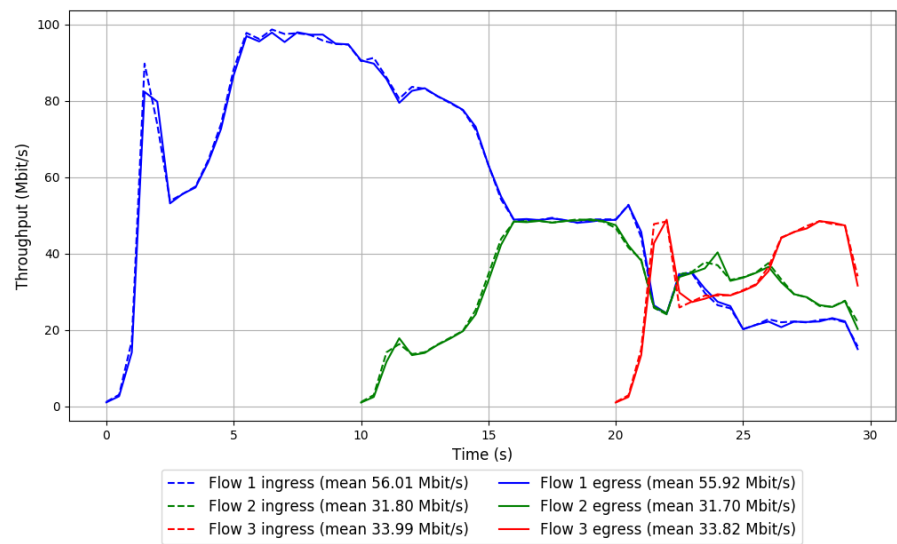


Run 4: Statistics of Vivace-LTE

Start at: 2018-04-10 19:27:24
End at: 2018-04-10 19:27:54
Local clock offset: -0.046 ms
Remote clock offset: -4.275 ms

Below is generated by plot.py at 2018-04-11 03:25:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 78.477 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 75.685 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 82.130 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 65.656 ms
Loss rate: 1.19%

Run 4: Report of Vivace-LTE — Data Link

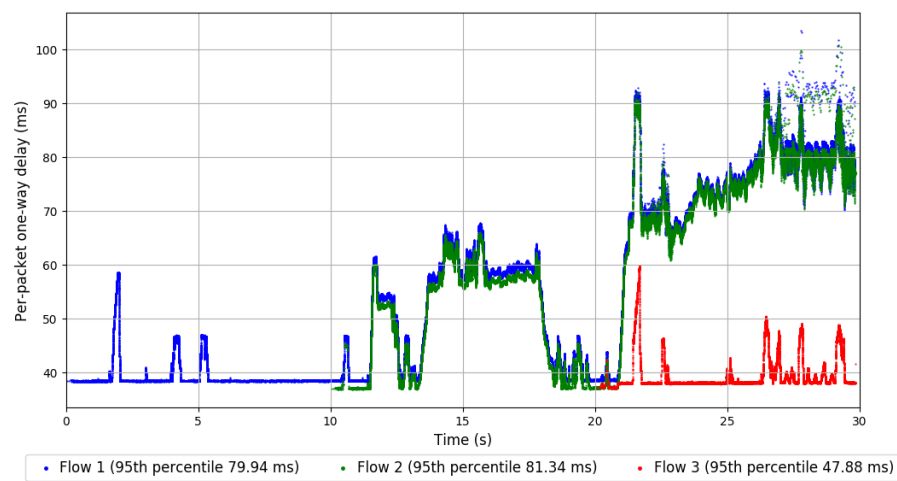
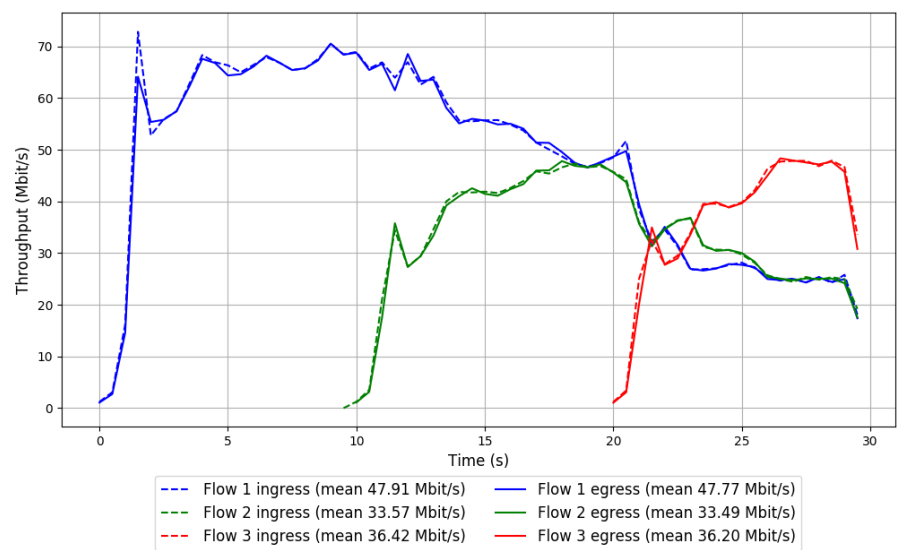


Run 5: Statistics of Vivace-LTE

Start at: 2018-04-10 19:52:12
End at: 2018-04-10 19:52:42
Local clock offset: -0.163 ms
Remote clock offset: -4.424 ms

Below is generated by plot.py at 2018-04-11 03:25:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.90 Mbit/s
95th percentile per-packet one-way delay: 80.266 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 79.942 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 81.339 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 47.880 ms
Loss rate: 1.25%

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-04-10 20:17:38

End at: 2018-04-10 20:18:08

Local clock offset: 0.357 ms

Remote clock offset: -1.42 ms

Below is generated by plot.py at 2018-04-11 03:25:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.11 Mbit/s

95th percentile per-packet one-way delay: 65.699 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 53.68 Mbit/s

95th percentile per-packet one-way delay: 67.367 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 46.308 ms

Loss rate: 0.86%

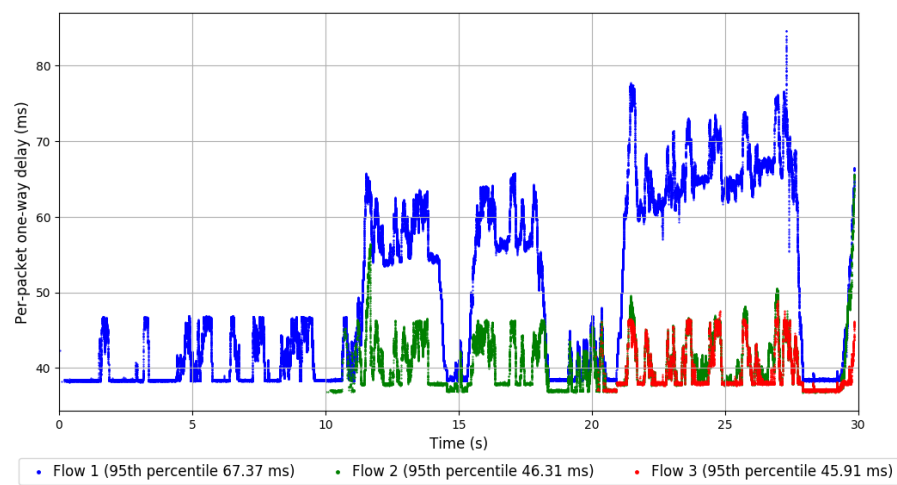
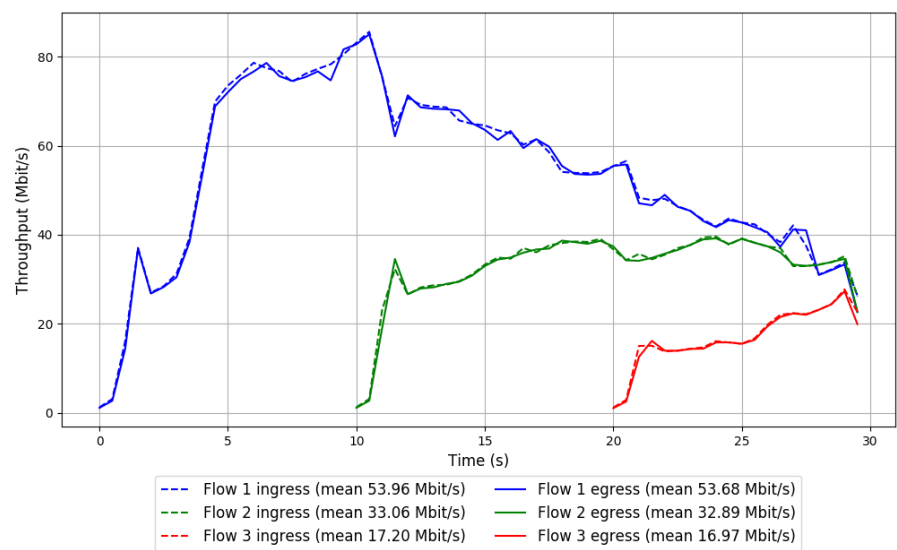
-- Flow 3:

Average throughput: 16.97 Mbit/s

95th percentile per-packet one-way delay: 45.915 ms

Loss rate: 2.02%

Run 6: Report of Vivace-LTE — Data Link

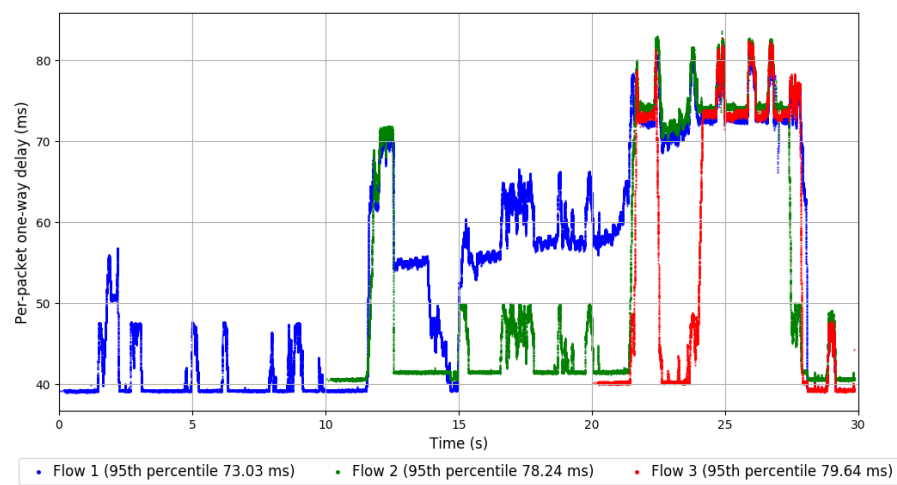
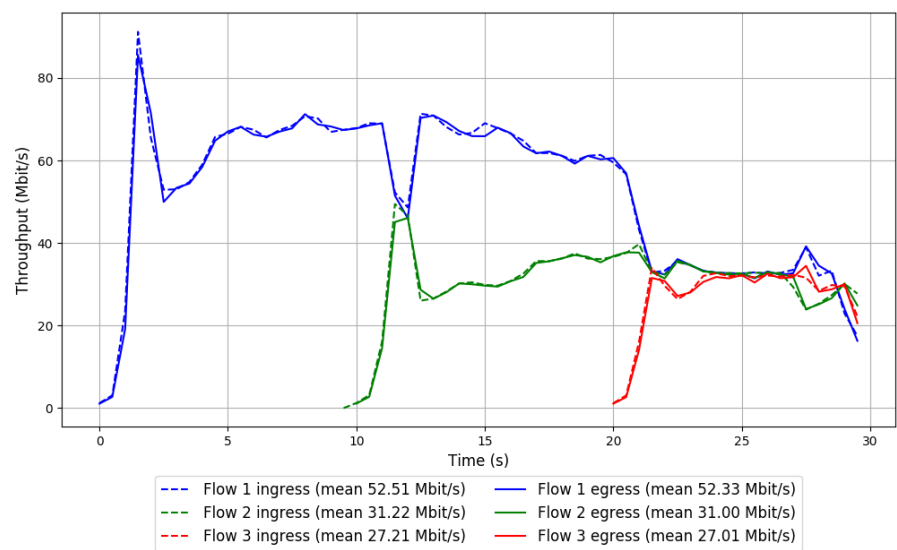


Run 7: Statistics of Vivace-LTE

Start at: 2018-04-10 20:43:30
End at: 2018-04-10 20:44:00
Local clock offset: 0.309 ms
Remote clock offset: -5.263 ms

Below is generated by plot.py at 2018-04-11 03:25:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 75.813 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 52.33 Mbit/s
95th percentile per-packet one-way delay: 73.035 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 78.238 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 27.01 Mbit/s
95th percentile per-packet one-way delay: 79.643 ms
Loss rate: 1.37%

Run 7: Report of Vivace-LTE — Data Link

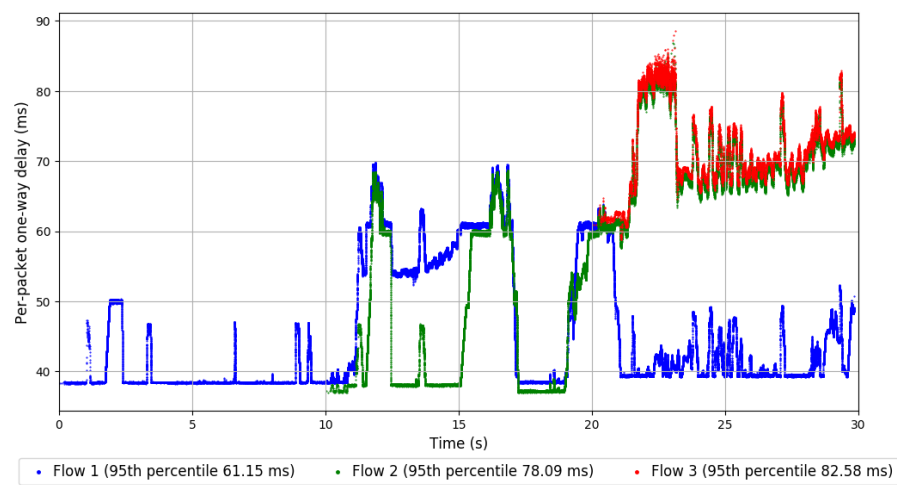
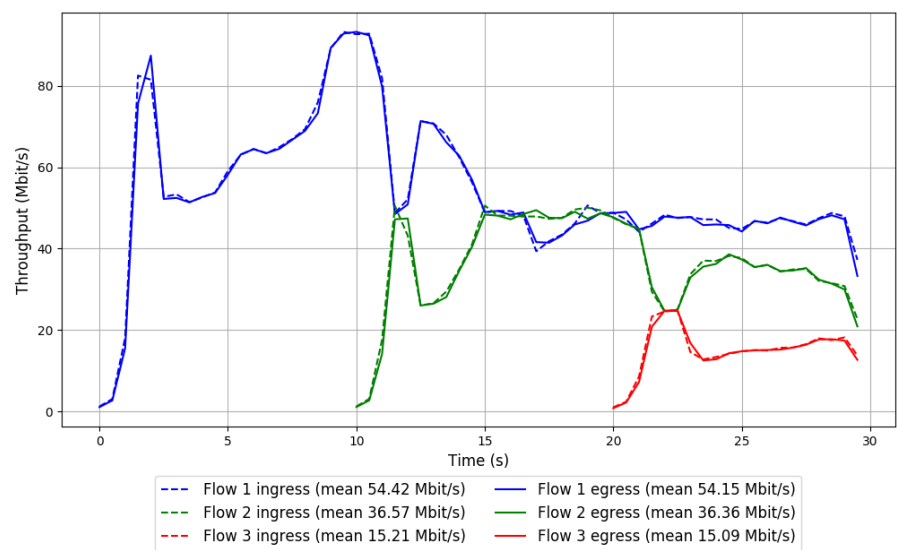


Run 8: Statistics of Vivace-LTE

Start at: 2018-04-10 21:09:21
End at: 2018-04-10 21:09:51
Local clock offset: -0.129 ms
Remote clock offset: -3.478 ms

Below is generated by plot.py at 2018-04-11 03:25:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: 73.386 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 61.154 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 78.091 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 82.580 ms
Loss rate: 1.69%

Run 8: Report of Vivace-LTE — Data Link

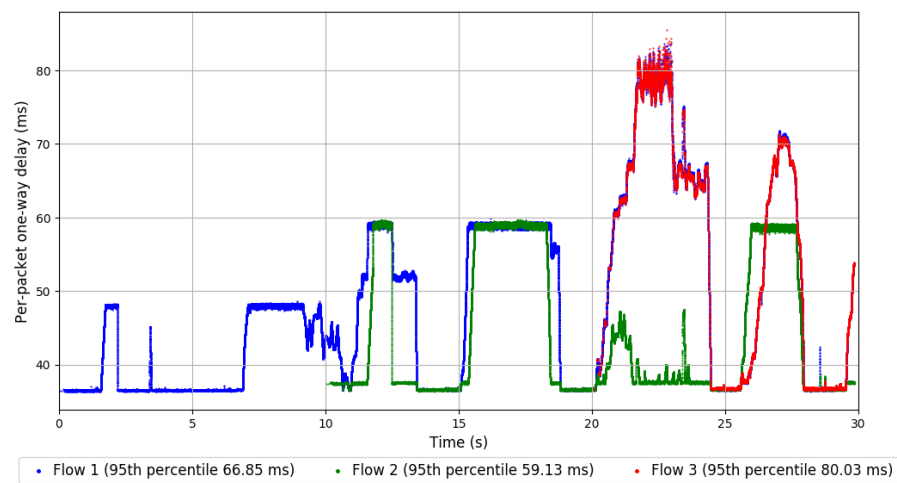
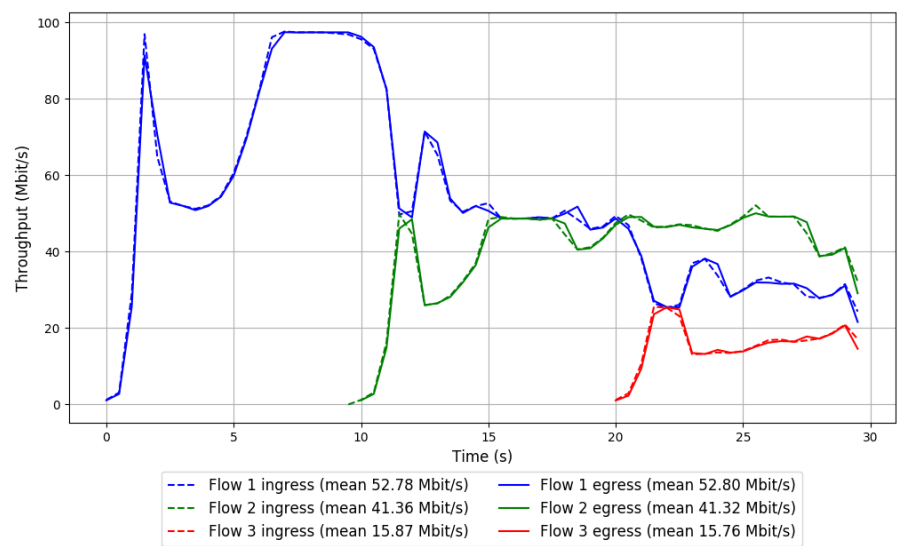


Run 9: Statistics of Vivace-LTE

Start at: 2018-04-10 21:35:25
End at: 2018-04-10 21:35:55
Local clock offset: -0.293 ms
Remote clock offset: -3.035 ms

Below is generated by plot.py at 2018-04-11 03:25:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 67.020 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 66.853 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 41.32 Mbit/s
95th percentile per-packet one-way delay: 59.129 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 80.025 ms
Loss rate: 1.39%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-10 22:00:19
End at: 2018-04-10 22:00:49
Local clock offset: 0.602 ms
Remote clock offset: -1.542 ms

Below is generated by plot.py at 2018-04-11 03:25:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 72.420 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 71.435 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 72.623 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 76.693 ms
Loss rate: 1.35%

Run 10: Report of Vivace-LTE — Data Link

