

Pantheon Report

Generated at 2018-03-13 22:11:56 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

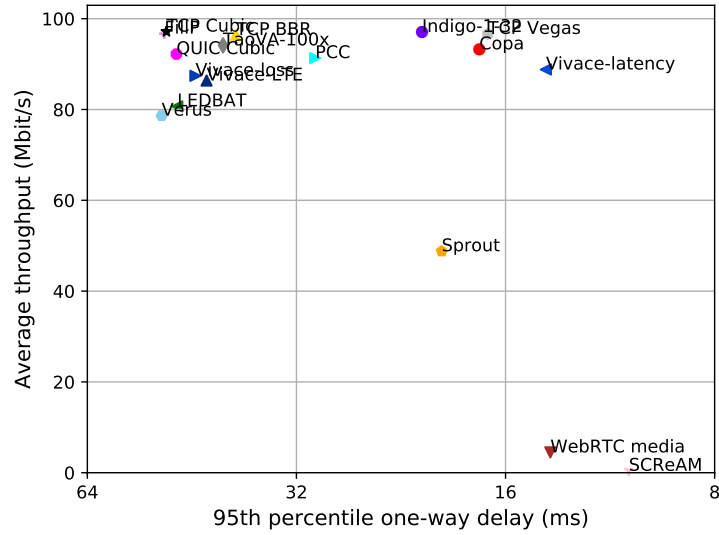
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

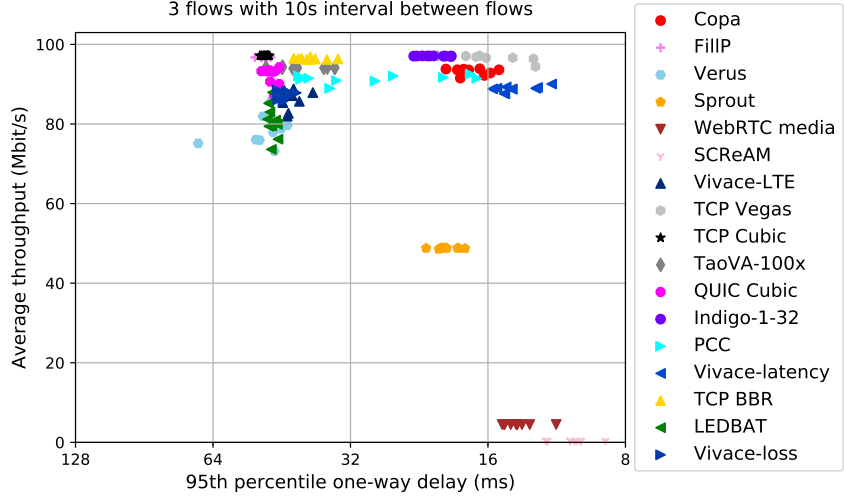
Git summary:

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

test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



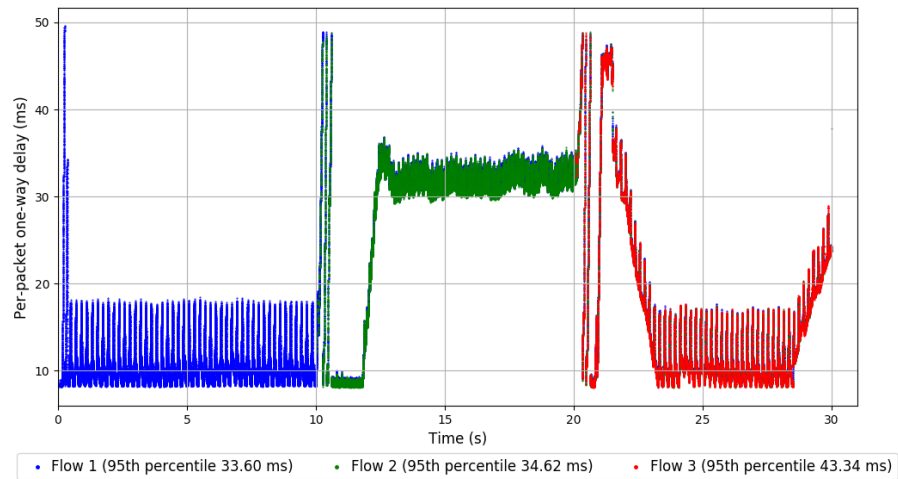
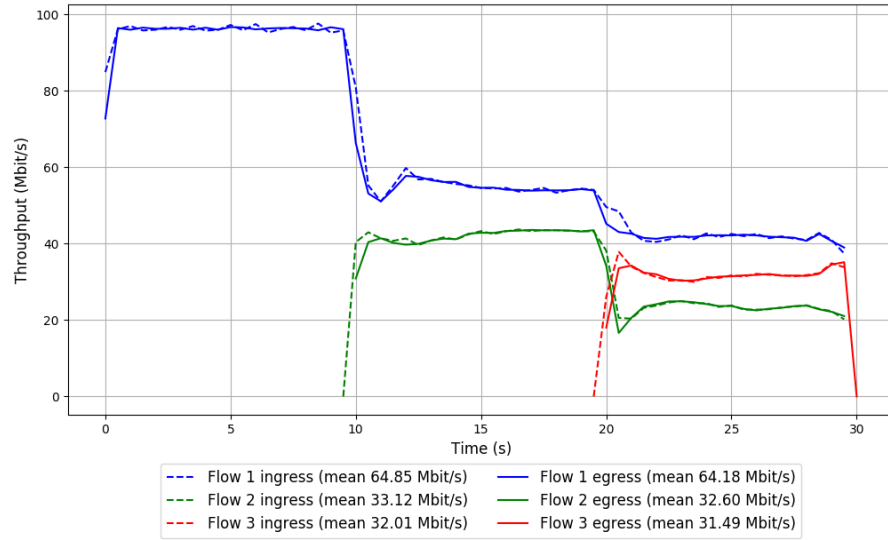
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	55.34	42.17	39.08	37.72	40.57	39.15	1.08	1.65	1.72
TCP Cubic	10	67.44	33.31	22.82	49.14	49.36	49.43	0.94	0.80	0.81
LEDBAT	10	48.59	34.51	27.69	47.17	47.88	47.89	0.45	0.71	0.68
PCC	10	77.22	14.66	13.21	29.17	32.72	35.69	0.78	0.67	0.94
QUIC Cubic	10	64.46	30.48	23.06	47.54	47.73	47.79	1.80	2.22	2.81
SCReAM	10	0.21	0.21	0.22	10.62	10.62	10.63	0.00	0.00	0.00
WebRTC media	10	2.35	1.50	0.64	13.62	13.56	14.87	0.00	0.00	0.00
Sprout	10	24.54	24.46	24.13	19.47	19.67	20.14	0.00	0.00	0.00
TaoVA-100x	10	58.85	34.34	37.30	38.47	42.18	43.15	2.57	5.33	11.62
TCP Vegas	10	55.19	41.52	41.59	17.81	14.64	13.50	0.12	0.00	0.00
Verus	10	49.92	31.11	27.43	46.06	55.11	46.84	25.93	51.28	37.10
Copa	10	58.24	37.82	29.59	16.82	17.70	18.35	0.00	0.00	0.00
FillP	10	51.48	39.04	59.30	49.38	49.69	49.93	26.36	30.78	32.76
Indigo-1-32	10	54.35	40.92	47.62	20.77	21.44	23.07	0.00	0.00	0.00
Vivace-latency	10	60.03	33.50	19.72	13.43	14.49	17.30	0.00	0.00	0.00
Vivace-loss	10	56.58	37.66	17.65	44.59	44.92	43.94	11.94	14.87	13.53
Vivace-LTE	10	56.46	33.30	23.59	40.92	44.69	45.21	1.56	2.35	3.44

Run 1: Statistics of TCP BBR

Start at: 2018-03-13 17:49:43
End at: 2018-03-13 17:50:13
Local clock offset: 4.992 ms
Remote clock offset: -2.833 ms

Below is generated by plot.py at 2018-03-13 21:43:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 34.088 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 64.18 Mbit/s
95th percentile per-packet one-way delay: 33.602 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 34.617 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 43.341 ms
Loss rate: 1.57%

Run 1: Report of TCP BBR — Data Link

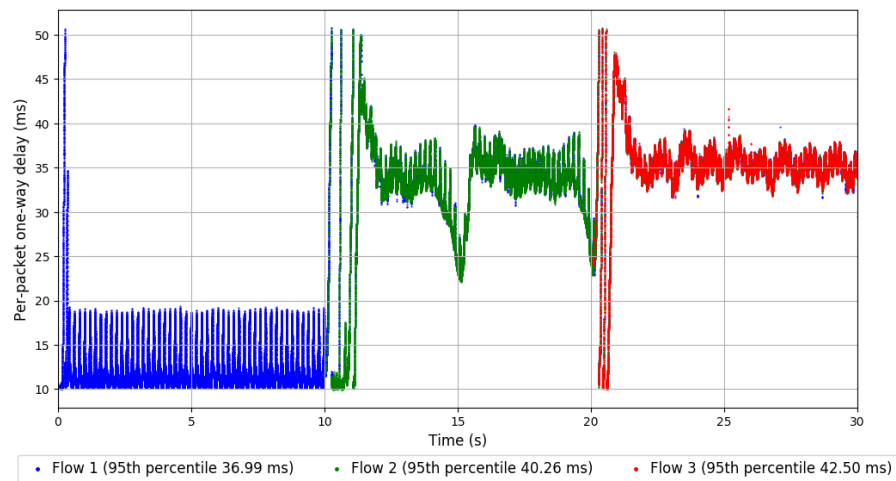
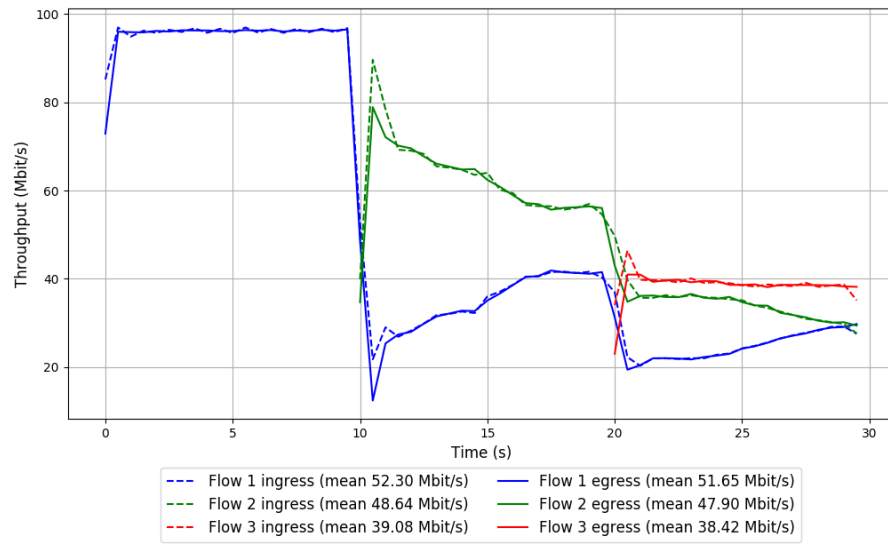


Run 2: Statistics of TCP BBR

Start at: 2018-03-13 18:10:54
End at: 2018-03-13 18:11:24
Local clock offset: 3.62 ms
Remote clock offset: -4.144 ms

Below is generated by plot.py at 2018-03-13 21:43:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 38.210 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 51.65 Mbit/s
95th percentile per-packet one-way delay: 36.990 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 40.260 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 42.500 ms
Loss rate: 1.63%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-13 18:32:06

End at: 2018-03-13 18:32:36

Local clock offset: 4.587 ms

Remote clock offset: 2.285 ms

Below is generated by plot.py at 2018-03-13 21:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 42.626 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 49.12 Mbit/s

95th percentile per-packet one-way delay: 40.976 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 44.35 Mbit/s

95th percentile per-packet one-way delay: 45.039 ms

Loss rate: 1.97%

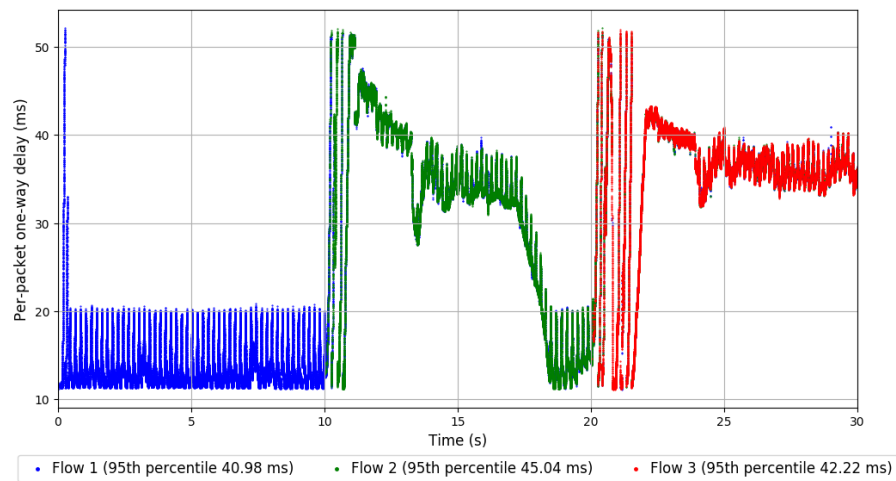
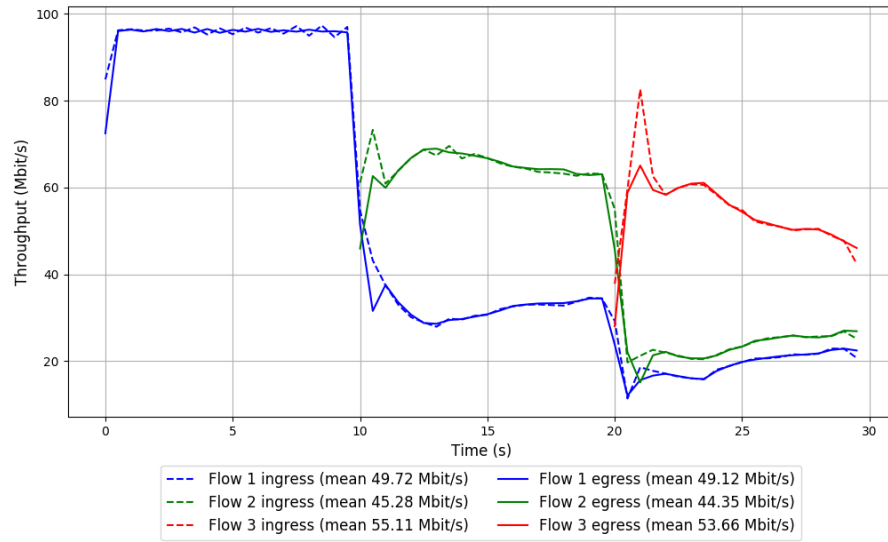
-- Flow 3:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 42.217 ms

Loss rate: 2.41%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-13 18:53:22

End at: 2018-03-13 18:53:52

Local clock offset: 5.104 ms

Remote clock offset: 7.774 ms

Below is generated by plot.py at 2018-03-13 21:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 39.248 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 38.298 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 44.76 Mbit/s

95th percentile per-packet one-way delay: 40.576 ms

Loss rate: 1.58%

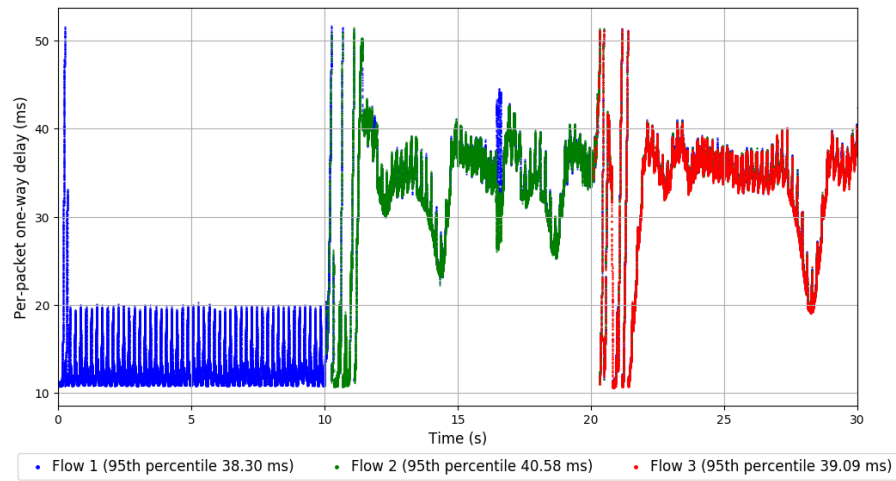
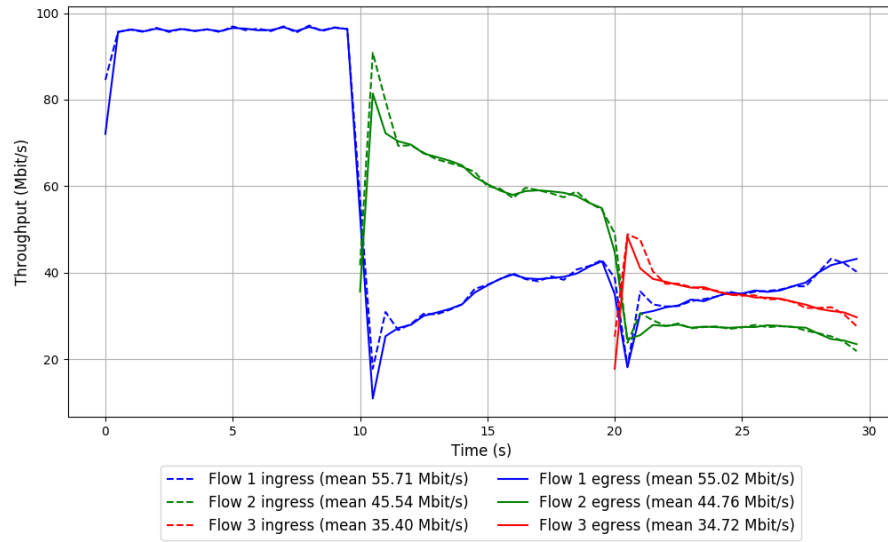
-- Flow 3:

Average throughput: 34.72 Mbit/s

95th percentile per-packet one-way delay: 39.085 ms

Loss rate: 1.91%

Run 4: Report of TCP BBR — Data Link

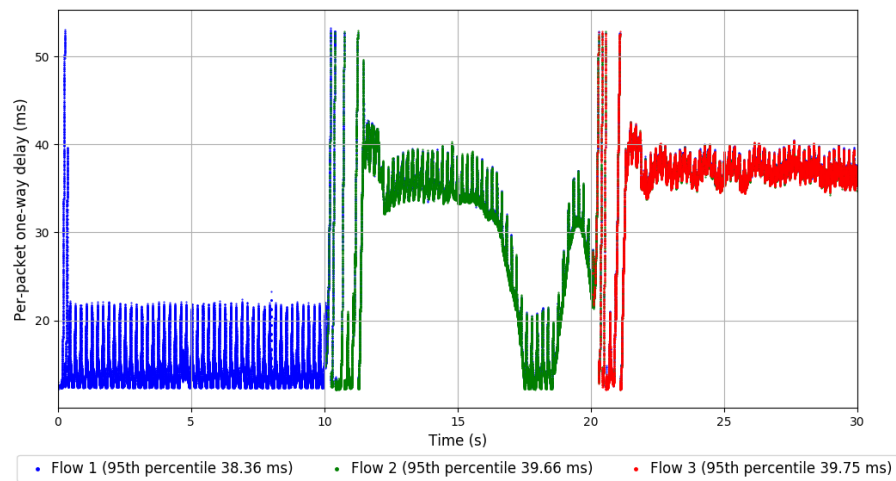
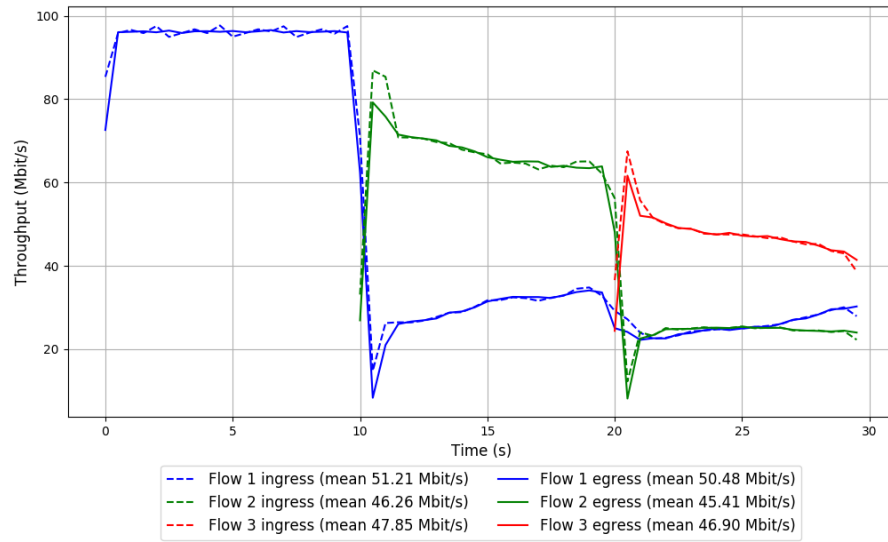


Run 5: Statistics of TCP BBR

Start at: 2018-03-13 19:14:31
End at: 2018-03-13 19:15:01
Local clock offset: 2.753 ms
Remote clock offset: 14.641 ms

Below is generated by plot.py at 2018-03-13 21:43:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 39.138 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 38.357 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 45.41 Mbit/s
95th percentile per-packet one-way delay: 39.663 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 46.90 Mbit/s
95th percentile per-packet one-way delay: 39.748 ms
Loss rate: 1.86%

Run 5: Report of TCP BBR — Data Link

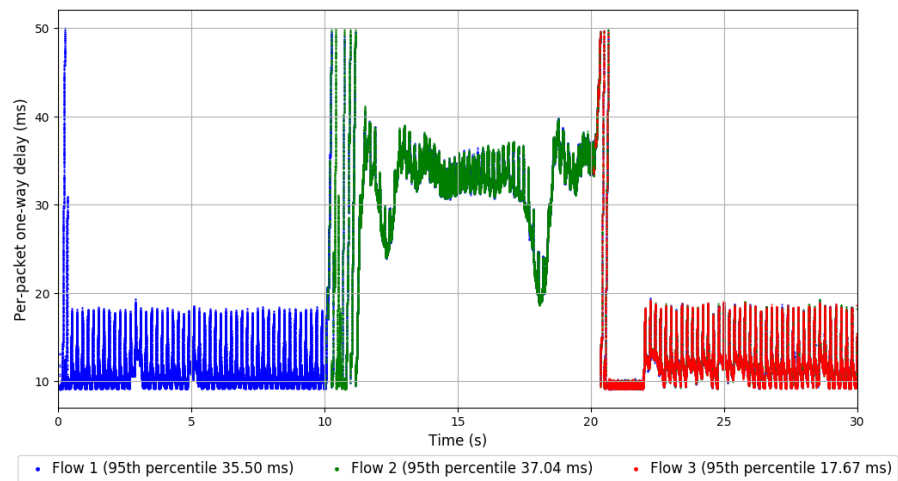
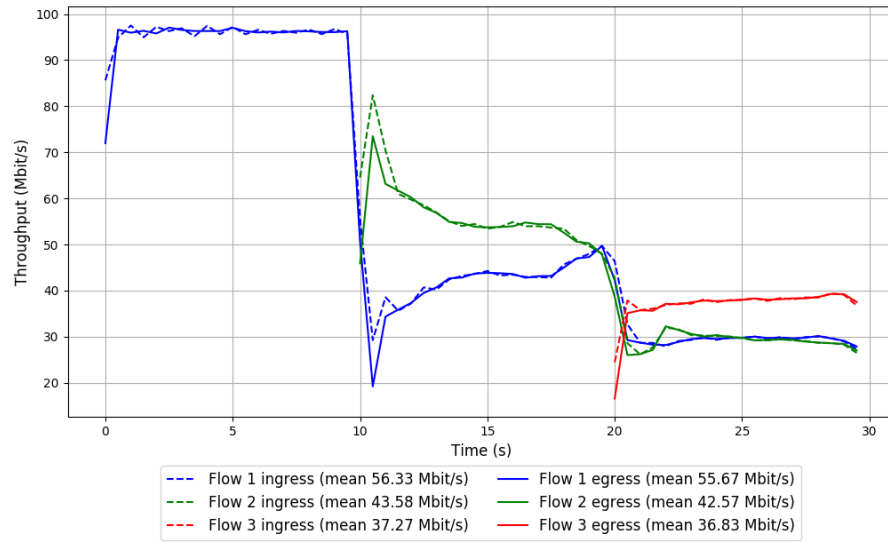


Run 6: Statistics of TCP BBR

Start at: 2018-03-13 19:35:38
End at: 2018-03-13 19:36:08
Local clock offset: 6.266 ms
Remote clock offset: 17.829 ms

Below is generated by plot.py at 2018-03-13 21:43:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 36.026 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 55.67 Mbit/s
95th percentile per-packet one-way delay: 35.501 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 42.57 Mbit/s
95th percentile per-packet one-way delay: 37.038 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 17.669 ms
Loss rate: 1.35%

Run 6: Report of TCP BBR — Data Link

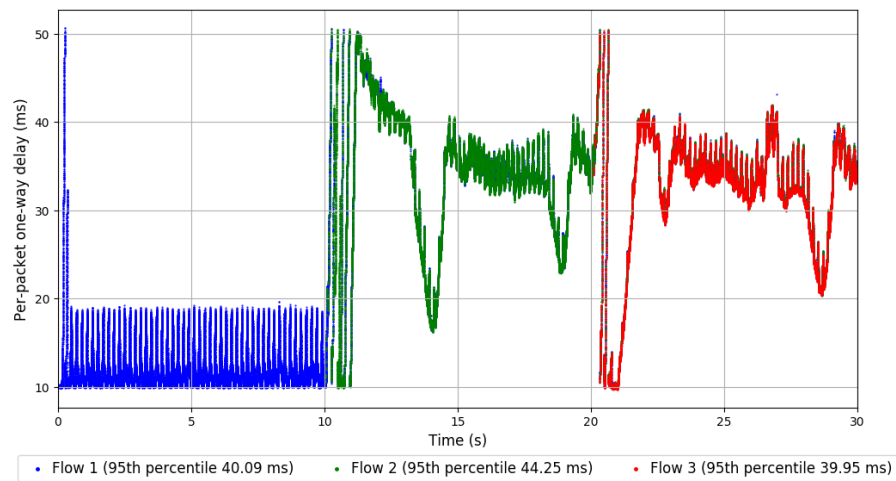
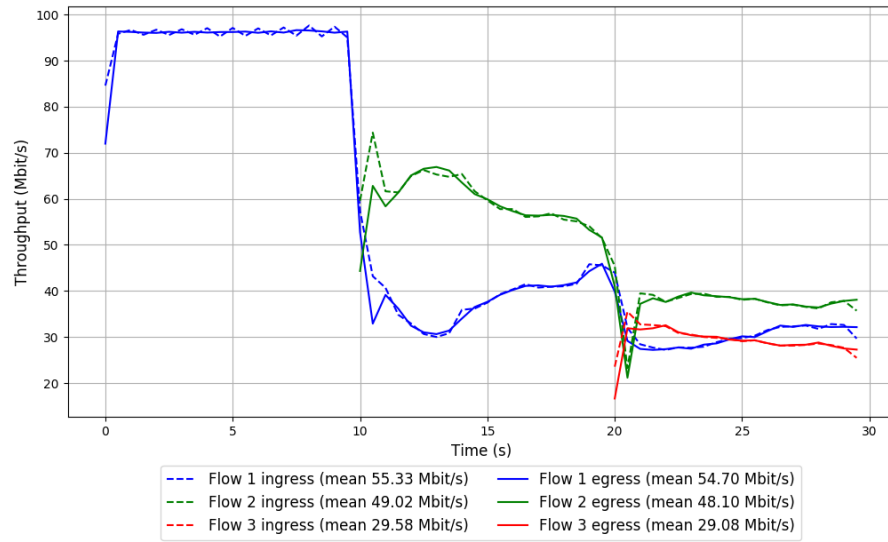


Run 7: Statistics of TCP BBR

Start at: 2018-03-13 19:56:54
End at: 2018-03-13 19:57:24
Local clock offset: 3.875 ms
Remote clock offset: 17.952 ms

Below is generated by plot.py at 2018-03-13 21:43:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 41.624 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 40.088 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 44.252 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 39.950 ms
Loss rate: 1.67%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-13 20:18:24

End at: 2018-03-13 20:18:54

Local clock offset: 2.041 ms

Remote clock offset: 2.543 ms

Below is generated by plot.py at 2018-03-13 21:43:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 40.991 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 59.34 Mbit/s

95th percentile per-packet one-way delay: 38.476 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 37.07 Mbit/s

95th percentile per-packet one-way delay: 43.296 ms

Loss rate: 1.17%

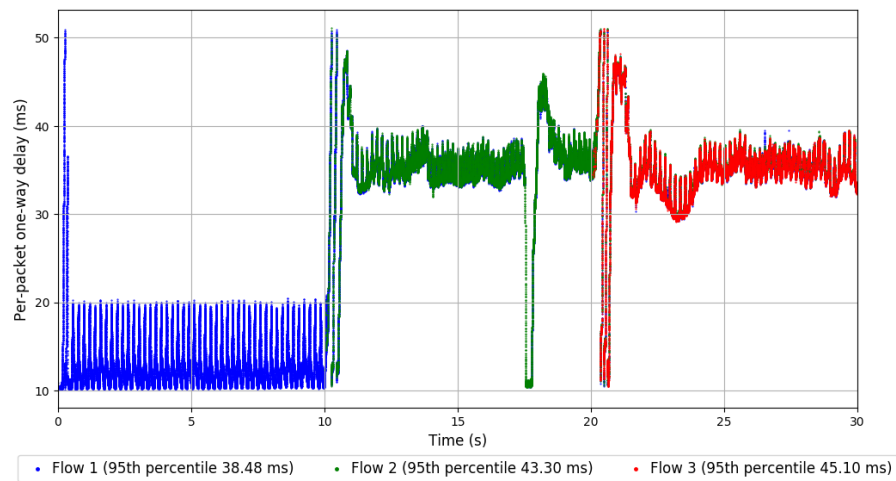
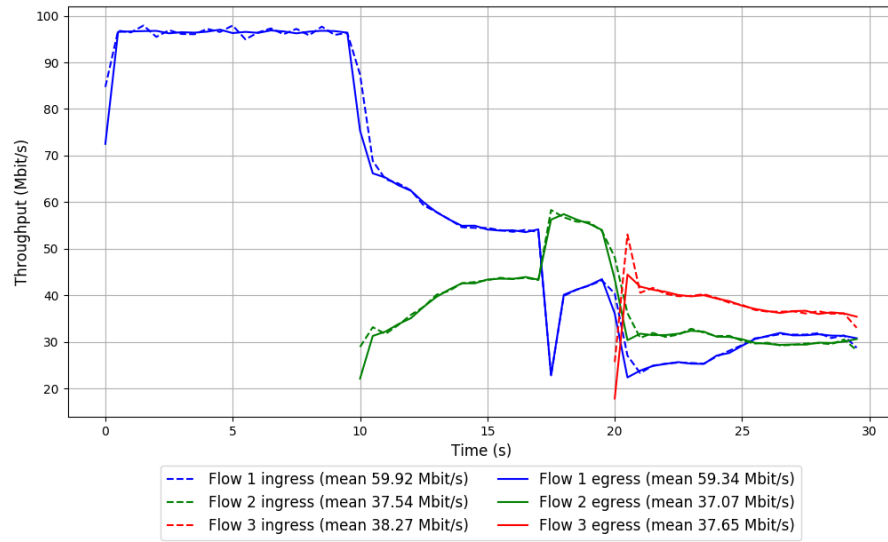
-- Flow 3:

Average throughput: 37.65 Mbit/s

95th percentile per-packet one-way delay: 45.103 ms

Loss rate: 1.63%

Run 8: Report of TCP BBR — Data Link

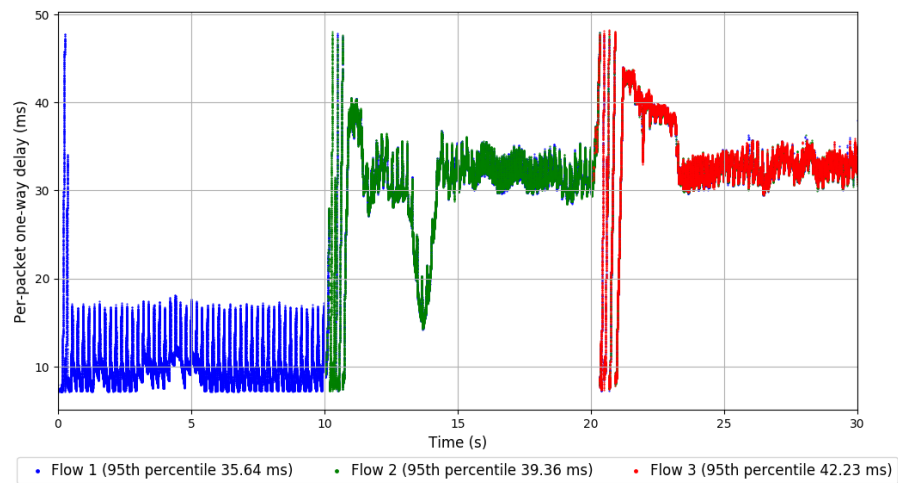
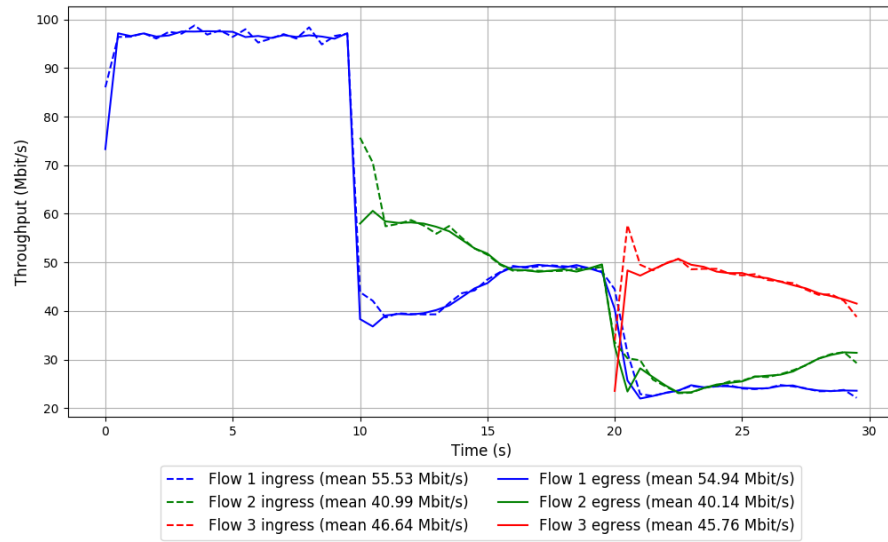


Run 9: Statistics of TCP BBR

Start at: 2018-03-13 20:40:09
End at: 2018-03-13 20:40:39
Local clock offset: 0.545 ms
Remote clock offset: -12.214 ms

Below is generated by plot.py at 2018-03-13 21:44:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 39.178 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 35.643 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 39.362 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 42.229 ms
Loss rate: 1.93%

Run 9: Report of TCP BBR — Data Link

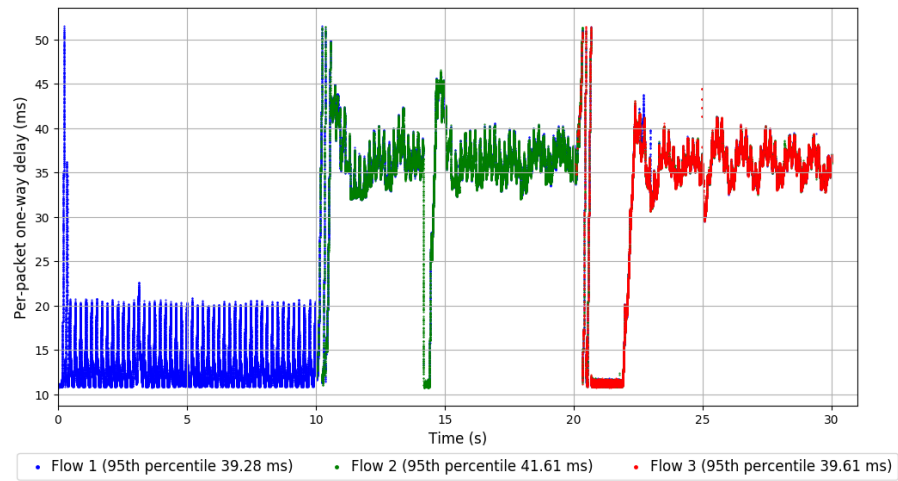
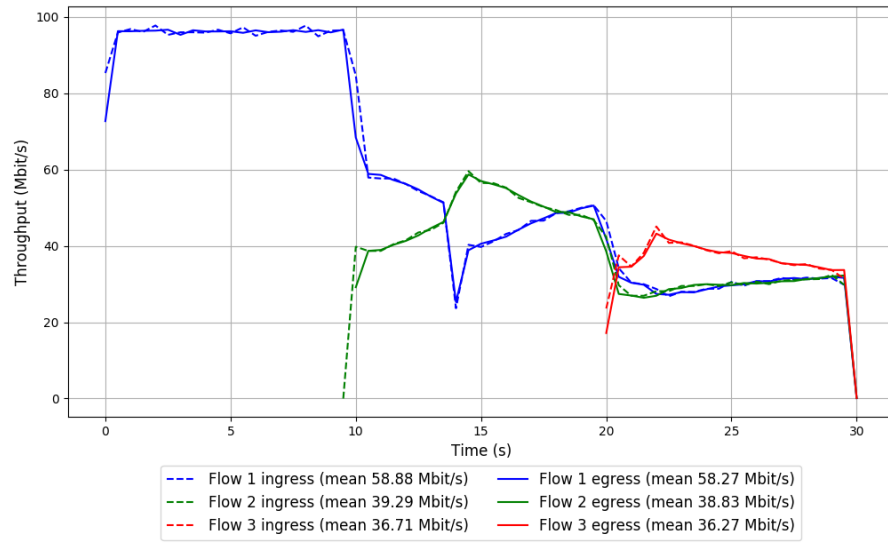


Run 10: Statistics of TCP BBR

Start at: 2018-03-13 21:01:48
End at: 2018-03-13 21:02:18
Local clock offset: 4.107 ms
Remote clock offset: -4.078 ms

Below is generated by plot.py at 2018-03-13 21:44:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 39.915 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 58.27 Mbit/s
95th percentile per-packet one-way delay: 39.279 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 41.610 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 39.609 ms
Loss rate: 1.20%

Run 10: Report of TCP BBR — Data Link

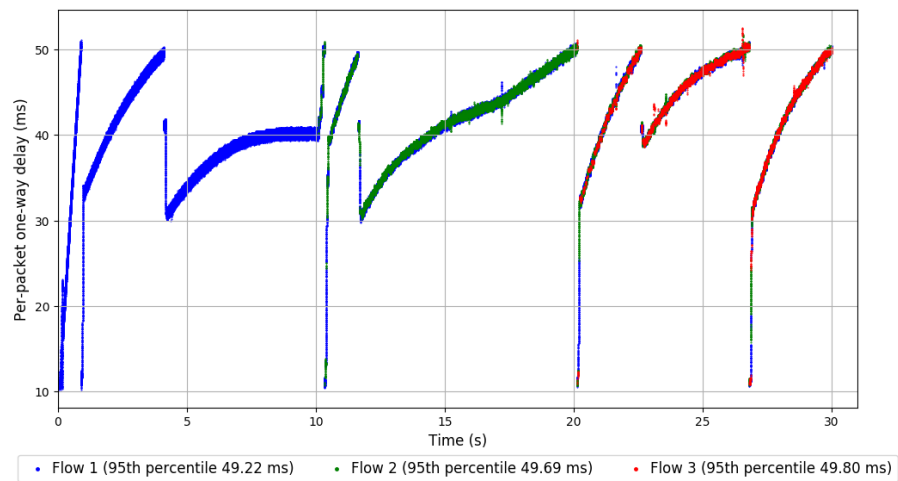
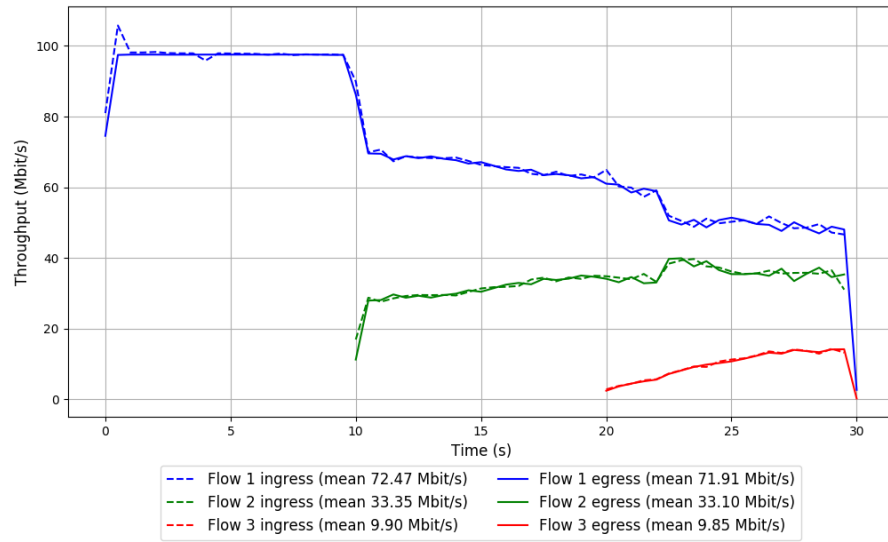


Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 17:54:33
End at: 2018-03-13 17:55:03
Local clock offset: 3.49 ms
Remote clock offset: -2.405 ms

Below is generated by plot.py at 2018-03-13 21:44:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 49.427 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 71.91 Mbit/s
95th percentile per-packet one-way delay: 49.222 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 49.689 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 9.85 Mbit/s
95th percentile per-packet one-way delay: 49.798 ms
Loss rate: 0.56%

Run 1: Report of TCP Cubic — Data Link

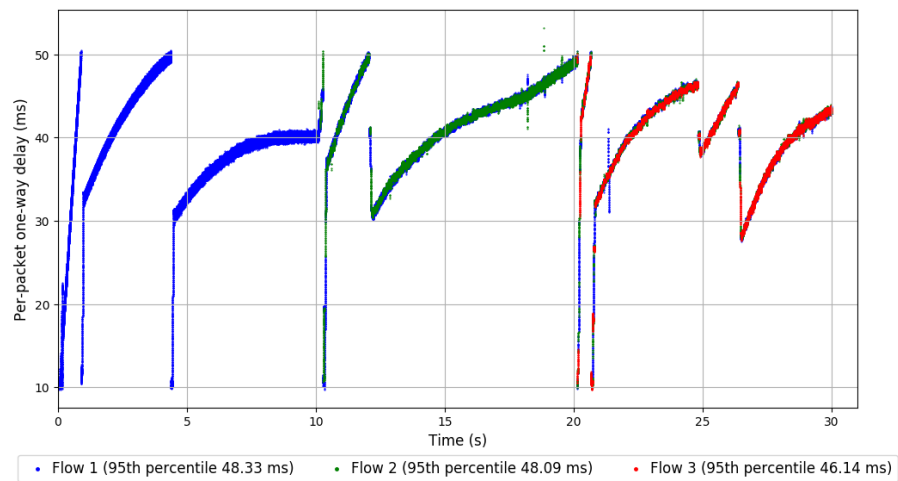
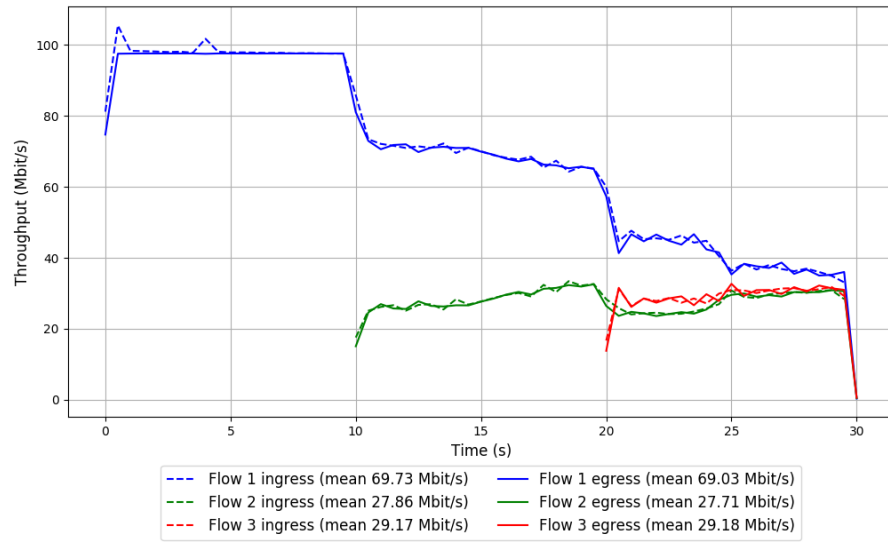


Run 2: Statistics of TCP Cubic

Start at: 2018-03-13 18:15:40
End at: 2018-03-13 18:16:10
Local clock offset: 5.67 ms
Remote clock offset: -2.862 ms

Below is generated by plot.py at 2018-03-13 21:44:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 48.130 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 48.326 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 27.71 Mbit/s
95th percentile per-packet one-way delay: 48.089 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 46.142 ms
Loss rate: 0.04%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-13 18:36:51

End at: 2018-03-13 18:37:21

Local clock offset: 5.388 ms

Remote clock offset: 3.962 ms

Below is generated by plot.py at 2018-03-13 21:44:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 49.878 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 59.57 Mbit/s

95th percentile per-packet one-way delay: 49.803 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 44.11 Mbit/s

95th percentile per-packet one-way delay: 50.020 ms

Loss rate: 1.46%

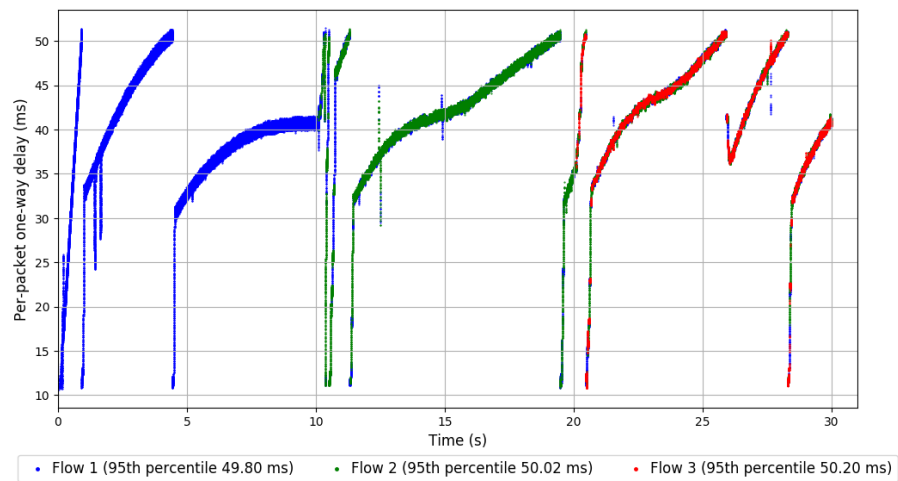
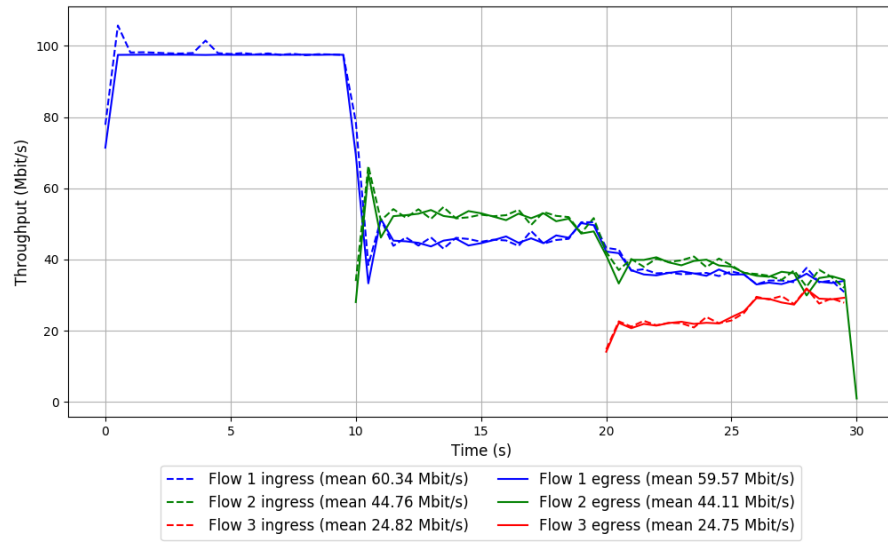
-- Flow 3:

Average throughput: 24.75 Mbit/s

95th percentile per-packet one-way delay: 50.201 ms

Loss rate: 0.24%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-03-13 18:58:11

End at: 2018-03-13 18:58:41

Local clock offset: 5.033 ms

Remote clock offset: 7.191 ms

Below is generated by plot.py at 2018-03-13 21:44:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 48.646 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 70.01 Mbit/s

95th percentile per-packet one-way delay: 48.447 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 27.16 Mbit/s

95th percentile per-packet one-way delay: 48.785 ms

Loss rate: 0.94%

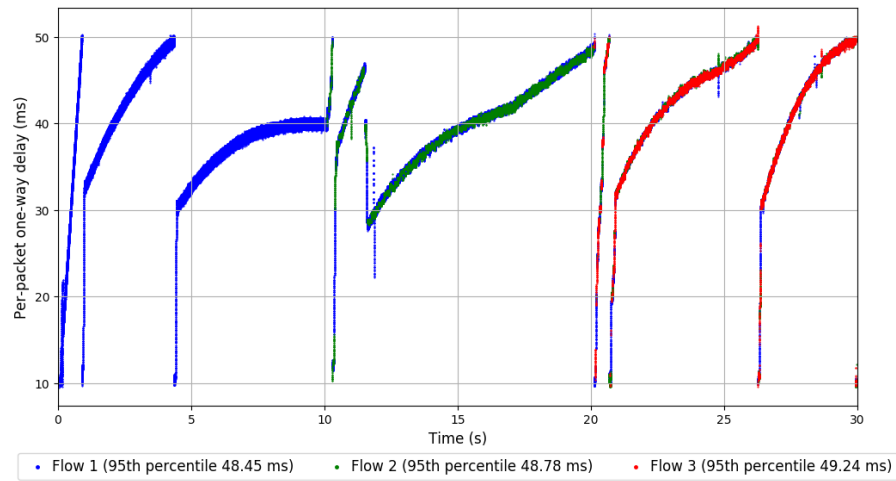
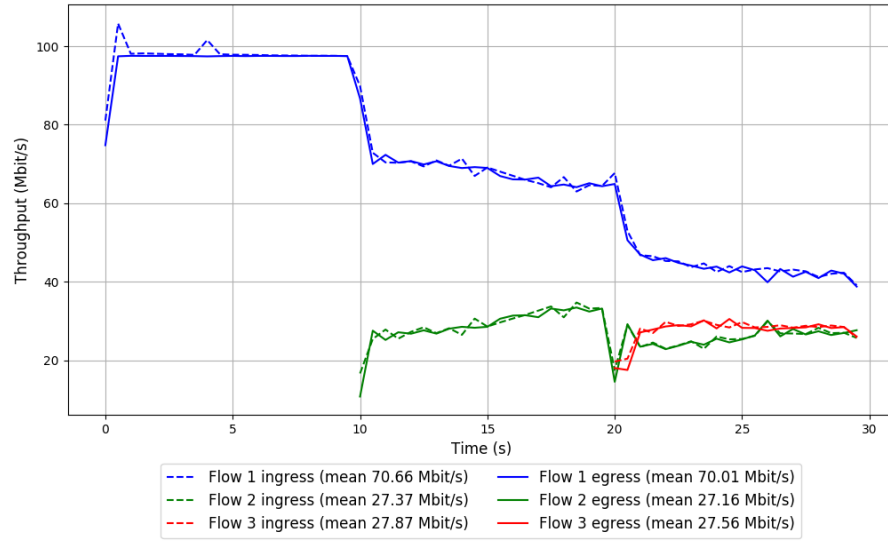
-- Flow 3:

Average throughput: 27.56 Mbit/s

95th percentile per-packet one-way delay: 49.238 ms

Loss rate: 1.51%

Run 4: Report of TCP Cubic — Data Link

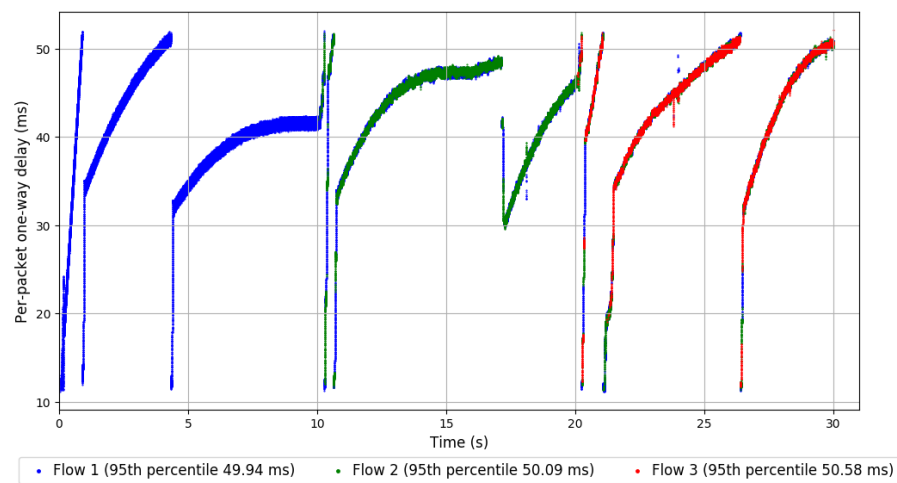
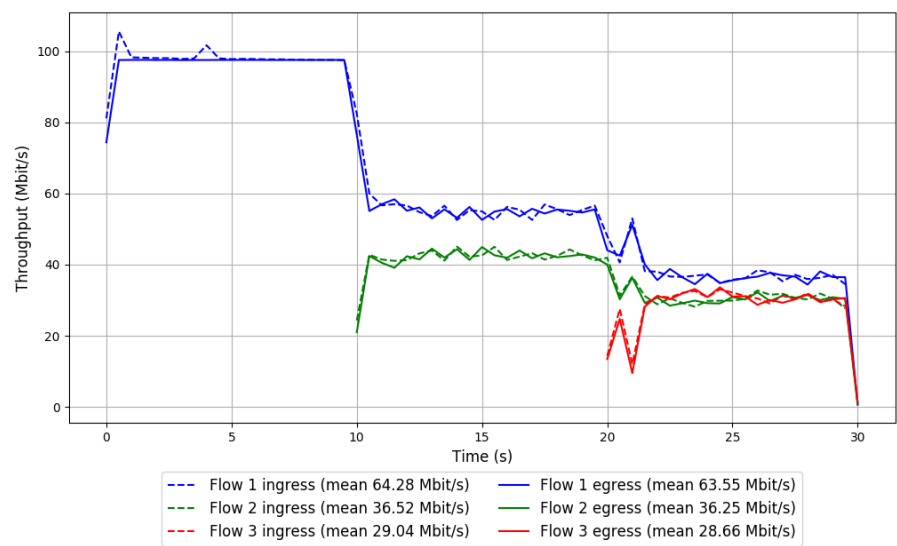


Run 5: Statistics of TCP Cubic

Start at: 2018-03-13 19:19:18
End at: 2018-03-13 19:19:48
Local clock offset: 3.155 ms
Remote clock offset: 14.872 ms

Below is generated by plot.py at 2018-03-13 21:44:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 50.132 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 63.55 Mbit/s
95th percentile per-packet one-way delay: 49.938 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 50.085 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 28.66 Mbit/s
95th percentile per-packet one-way delay: 50.578 ms
Loss rate: 1.25%

Run 5: Report of TCP Cubic — Data Link

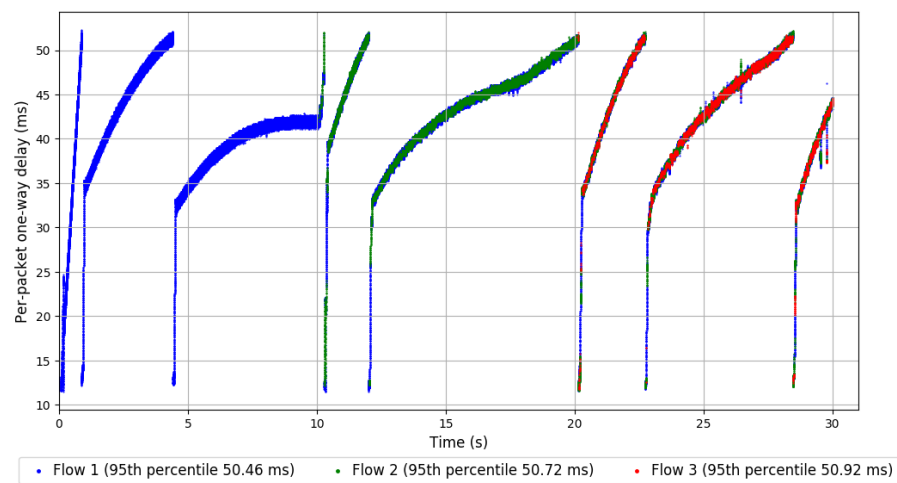
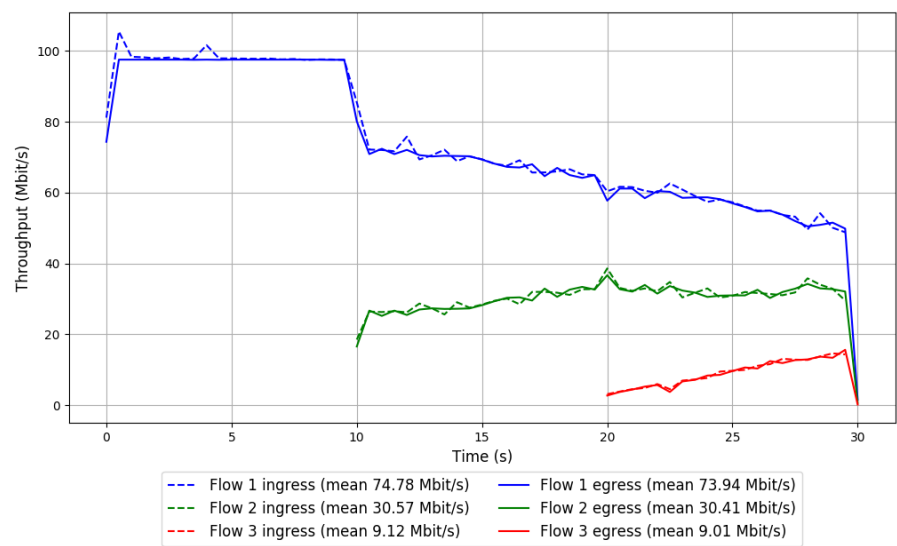


Run 6: Statistics of TCP Cubic

Start at: 2018-03-13 19:40:28
End at: 2018-03-13 19:40:58
Local clock offset: 3.671 ms
Remote clock offset: 17.349 ms

Below is generated by plot.py at 2018-03-13 21:44:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 50.527 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 73.94 Mbit/s
95th percentile per-packet one-way delay: 50.461 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 50.722 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 1.23%

Run 6: Report of TCP Cubic — Data Link

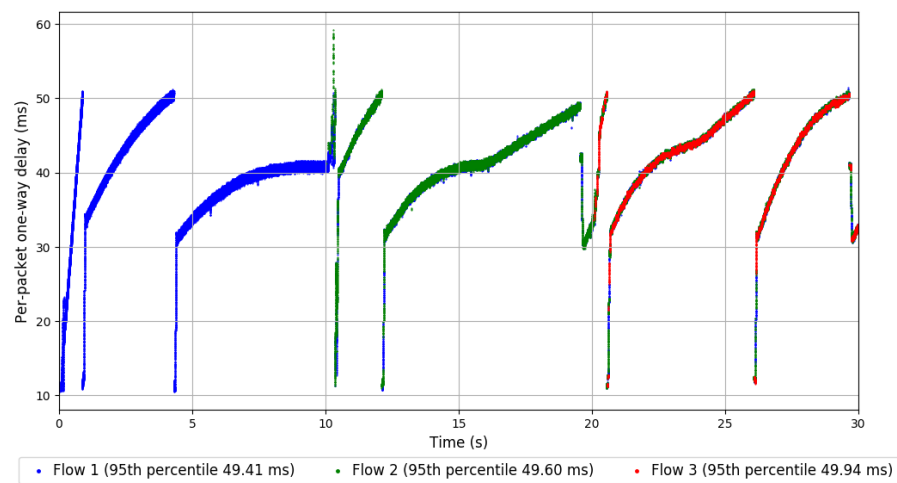
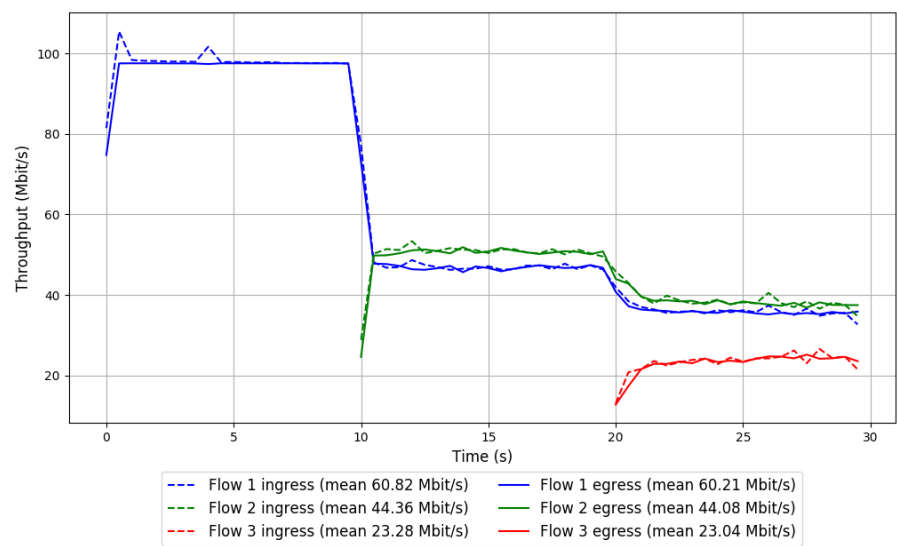


Run 7: Statistics of TCP Cubic

Start at: 2018-03-13 20:01:48
End at: 2018-03-13 20:02:18
Local clock offset: 2.158 ms
Remote clock offset: 17.525 ms

Below is generated by plot.py at 2018-03-13 21:46:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 49.522 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 60.21 Mbit/s
95th percentile per-packet one-way delay: 49.405 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 44.08 Mbit/s
95th percentile per-packet one-way delay: 49.600 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 49.937 ms
Loss rate: 1.07%

Run 7: Report of TCP Cubic — Data Link

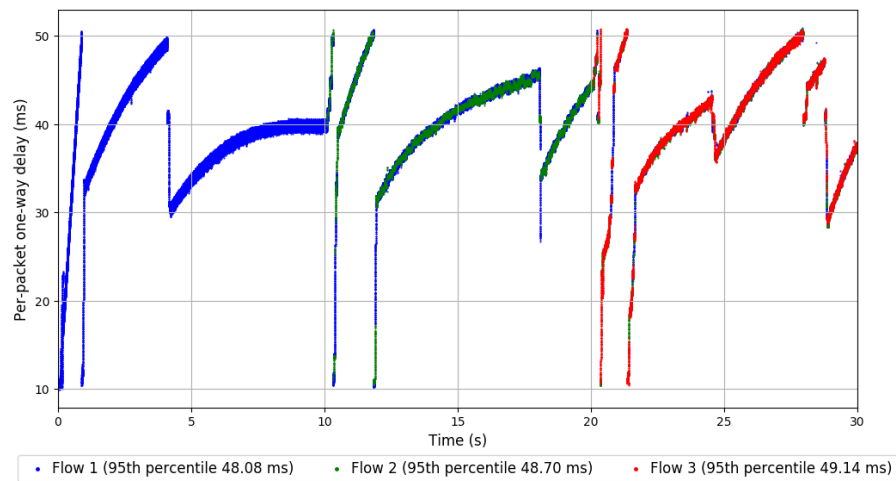
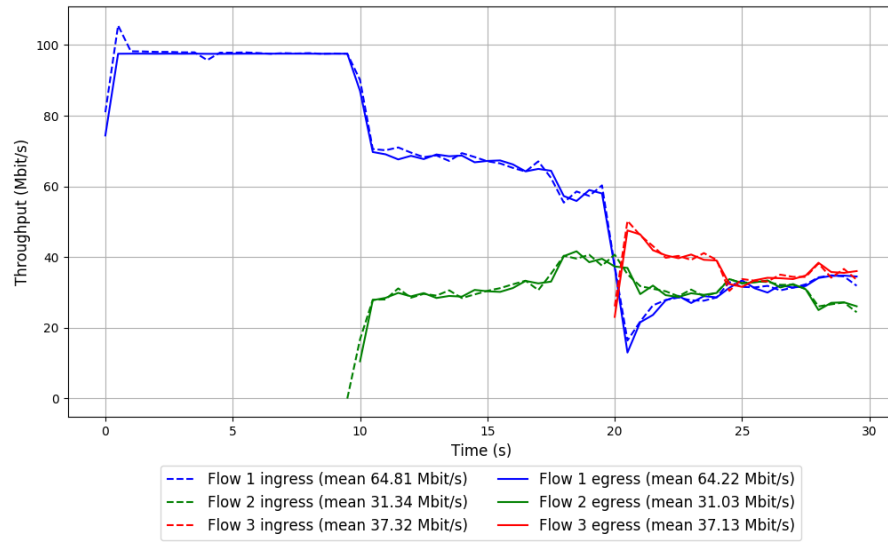


Run 8: Statistics of TCP Cubic

Start at: 2018-03-13 20:23:20
End at: 2018-03-13 20:23:50
Local clock offset: 2.042 ms
Remote clock offset: -1.091 ms

Below is generated by plot.py at 2018-03-13 21:46:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 48.413 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 48.075 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 48.705 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 49.143 ms
Loss rate: 0.58%

Run 8: Report of TCP Cubic — Data Link

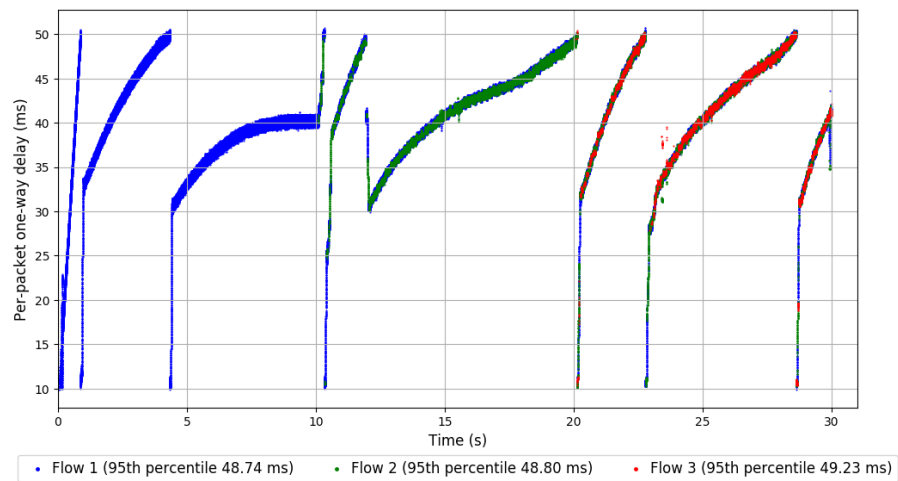
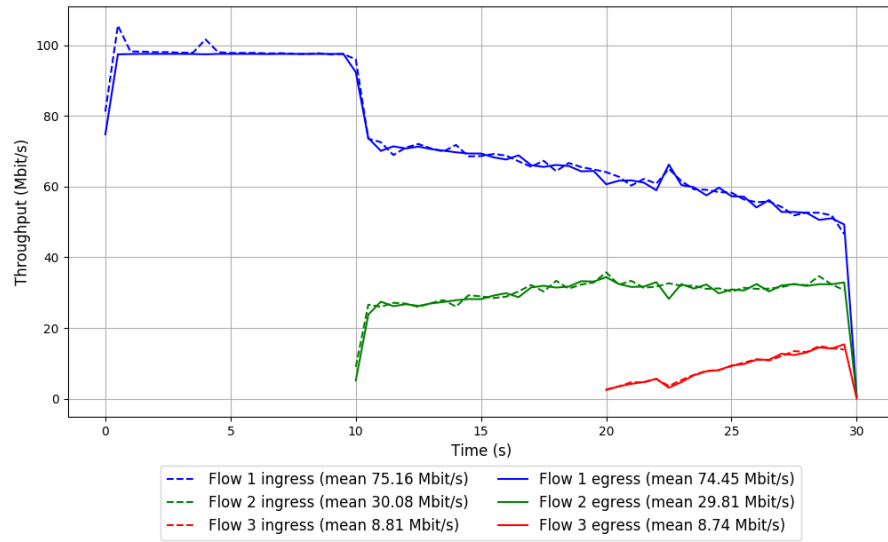


Run 9: Statistics of TCP Cubic

Start at: 2018-03-13 20:45:19
End at: 2018-03-13 20:45:49
Local clock offset: 4.876 ms
Remote clock offset: -4.575 ms

Below is generated by plot.py at 2018-03-13 21:46:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 48.766 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 74.45 Mbit/s
95th percentile per-packet one-way delay: 48.739 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 48.795 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 8.74 Mbit/s
95th percentile per-packet one-way delay: 49.233 ms
Loss rate: 0.90%

Run 9: Report of TCP Cubic — Data Link

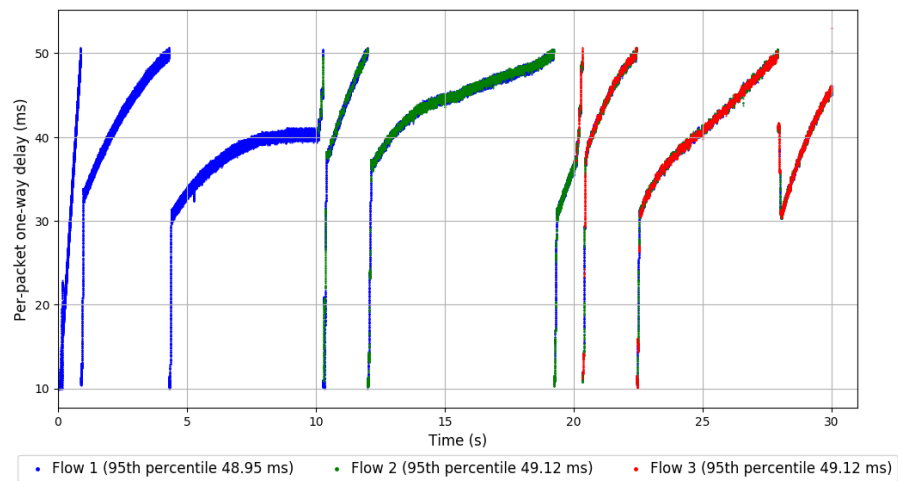
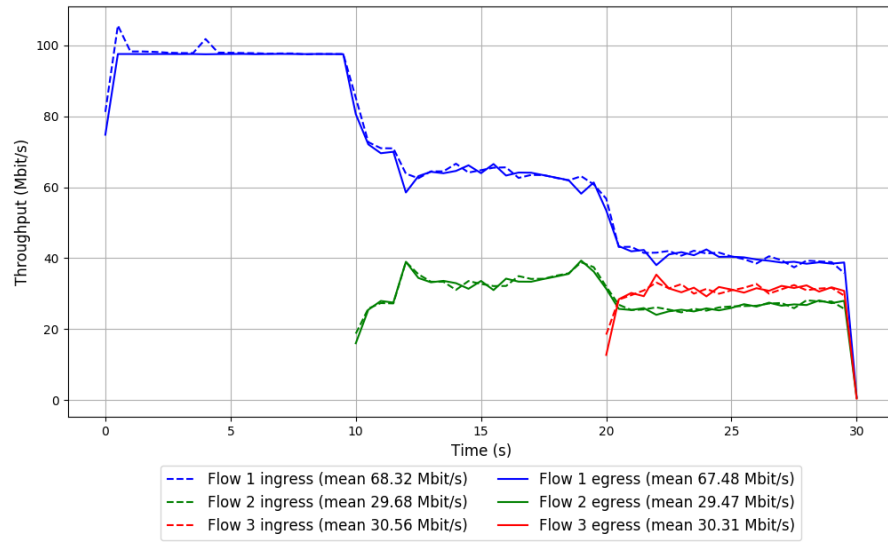


Run 10: Statistics of TCP Cubic

Start at: 2018-03-13 21:06:34
End at: 2018-03-13 21:07:04
Local clock offset: 3.965 ms
Remote clock offset: -5.321 ms

Below is generated by plot.py at 2018-03-13 21:46:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 48.999 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 67.48 Mbit/s
95th percentile per-packet one-way delay: 48.949 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 49.121 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 49.119 ms
Loss rate: 0.69%

Run 10: Report of TCP Cubic — Data Link

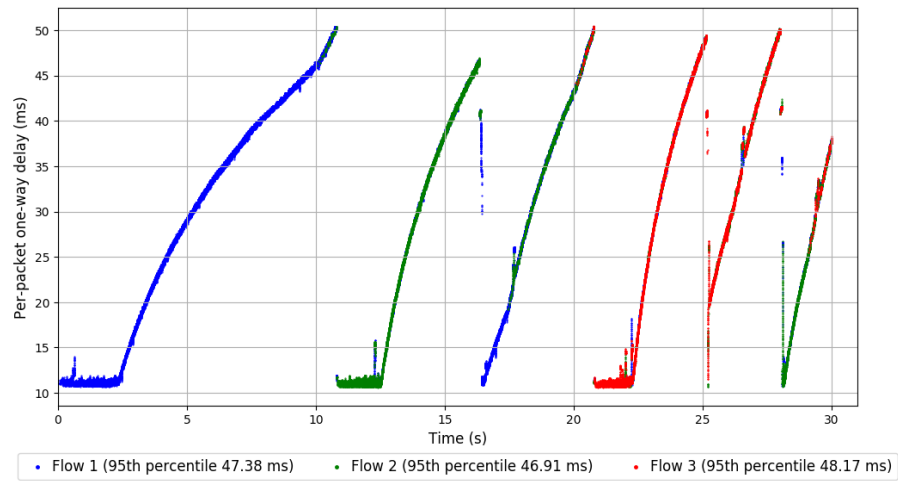
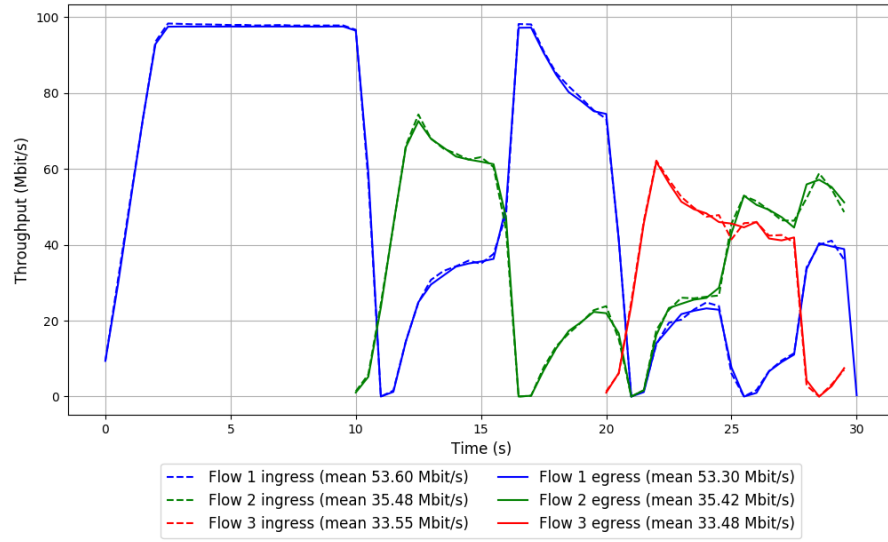


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-13 17:42:39
End at: 2018-03-13 17:43:09
Local clock offset: 3.271 ms
Remote clock offset: -1.82 ms

# Below is generated by plot.py at 2018-03-13 21:46:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 47.427 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 53.30 Mbit/s
95th percentile per-packet one-way delay: 47.384 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 46.907 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 48.173 ms
Loss rate: 0.28%
```

Run 1: Report of LEDBAT — Data Link

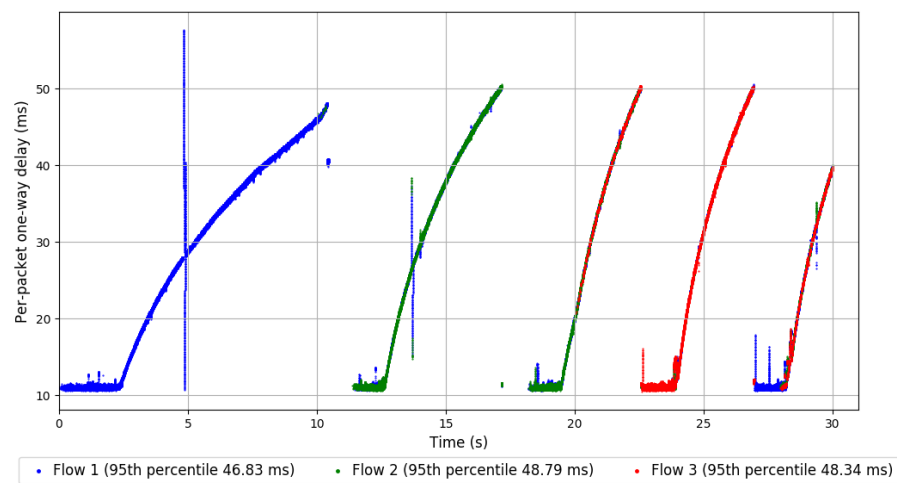
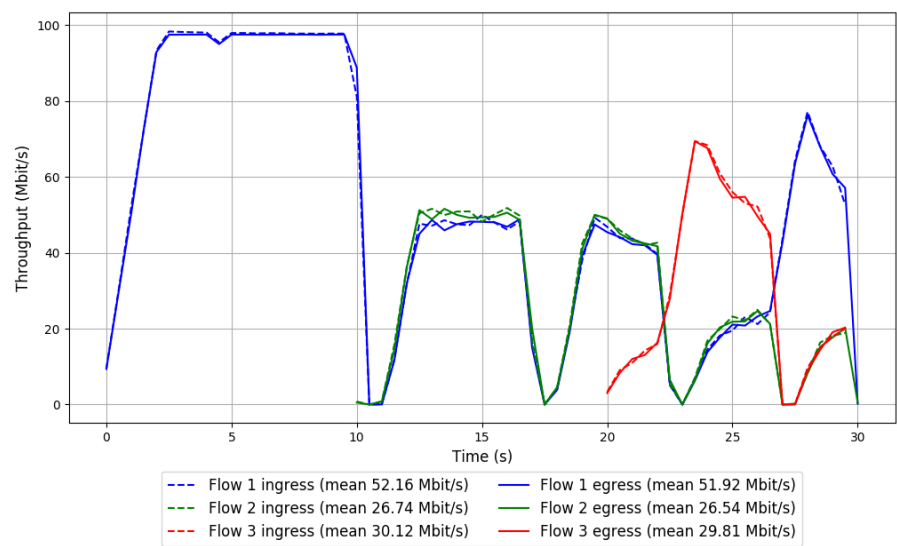


Run 2: Statistics of LEDBAT

Start at: 2018-03-13 18:03:54
End at: 2018-03-13 18:04:24
Local clock offset: 3.235 ms
Remote clock offset: -2.794 ms

Below is generated by plot.py at 2018-03-13 21:46:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.48 Mbit/s
95th percentile per-packet one-way delay: 47.604 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 46.828 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 48.787 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 48.341 ms
Loss rate: 0.81%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-03-13 18:25:06

End at: 2018-03-13 18:25:36

Local clock offset: 5.039 ms

Remote clock offset: -2.16 ms

Below is generated by plot.py at 2018-03-13 21:46:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.43 Mbit/s

95th percentile per-packet one-way delay: 48.298 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 46.90 Mbit/s

95th percentile per-packet one-way delay: 48.142 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 40.80 Mbit/s

95th percentile per-packet one-way delay: 48.364 ms

Loss rate: 0.59%

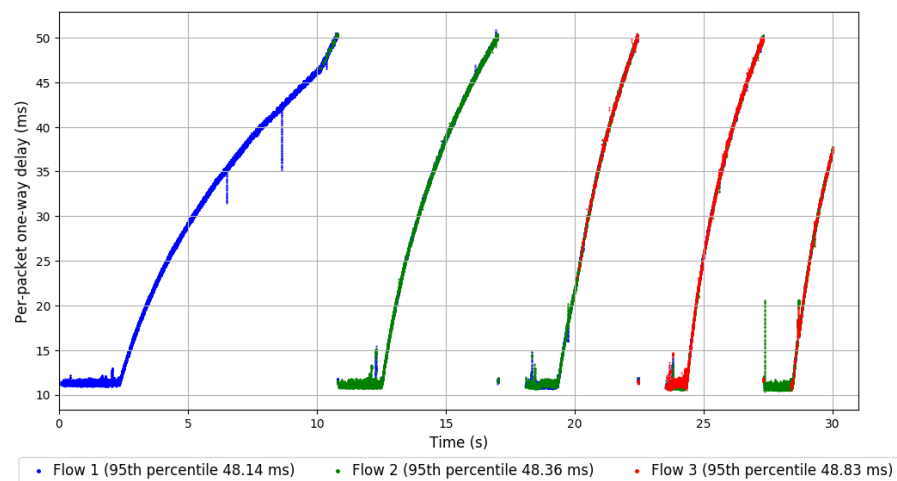
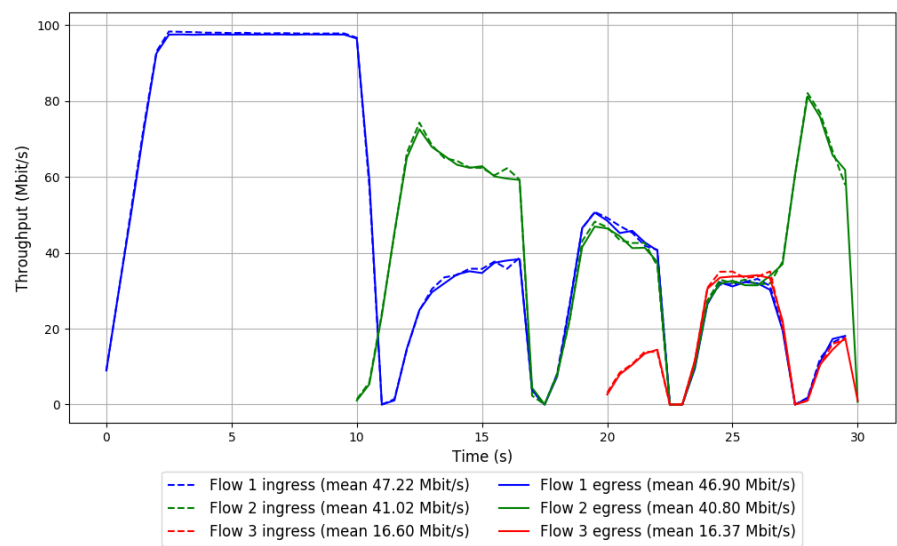
-- Flow 3:

Average throughput: 16.37 Mbit/s

95th percentile per-packet one-way delay: 48.829 ms

Loss rate: 1.21%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-03-13 18:46:21

End at: 2018-03-13 18:46:51

Local clock offset: 3.596 ms

Remote clock offset: 5.1 ms

Below is generated by plot.py at 2018-03-13 21:46:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 48.046 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 45.67 Mbit/s

95th percentile per-packet one-way delay: 48.013 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 39.93 Mbit/s

95th percentile per-packet one-way delay: 48.035 ms

Loss rate: 0.42%

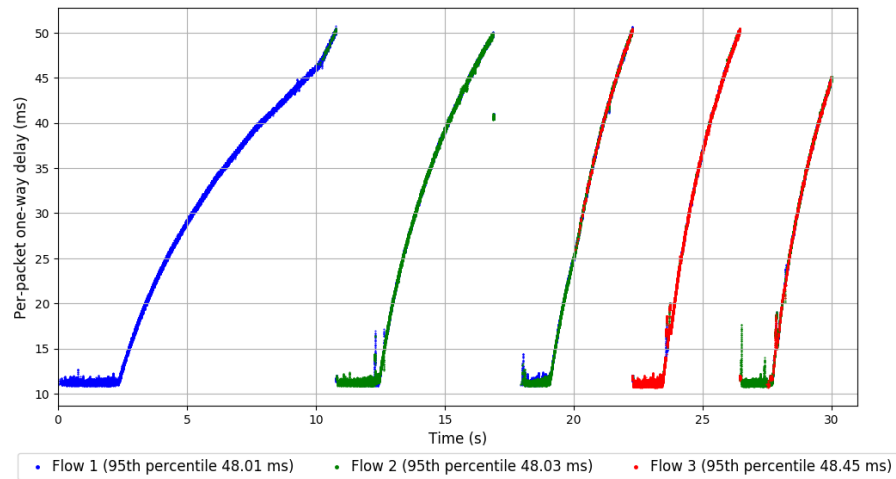
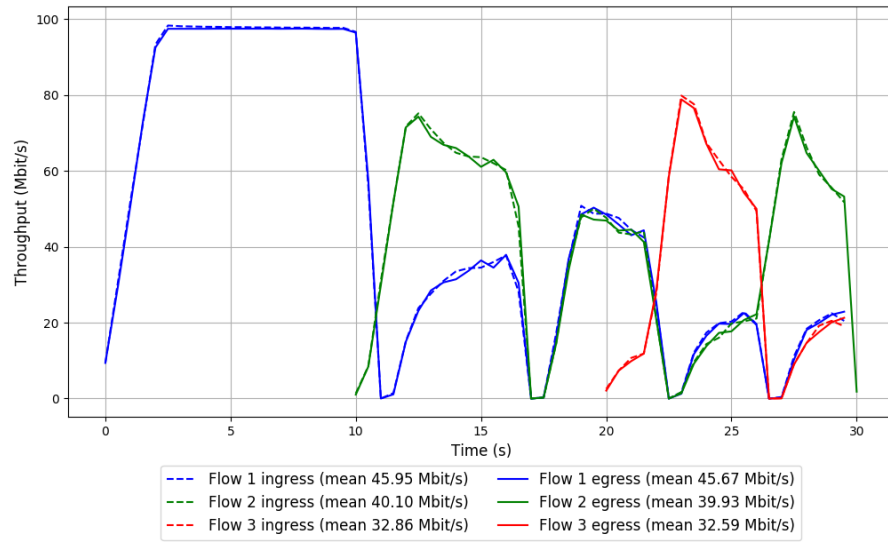
-- Flow 3:

Average throughput: 32.59 Mbit/s

95th percentile per-packet one-way delay: 48.454 ms

Loss rate: 0.63%

Run 4: Report of LEDBAT — Data Link

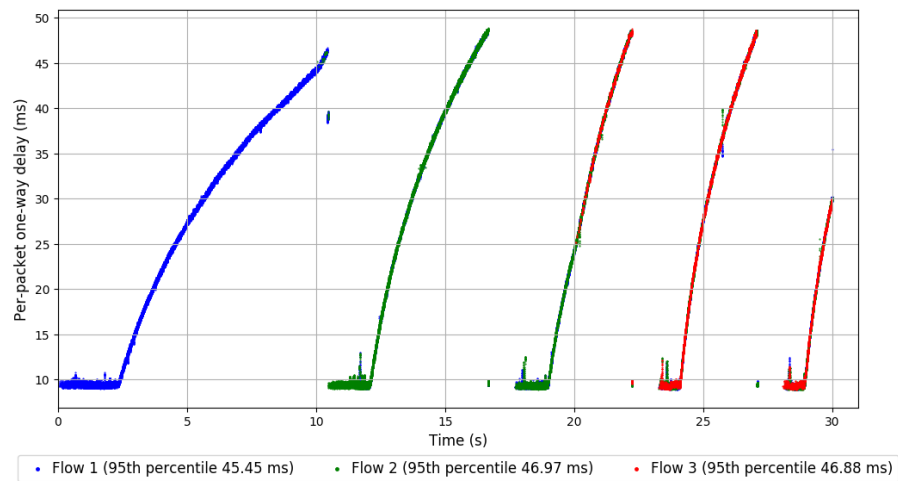
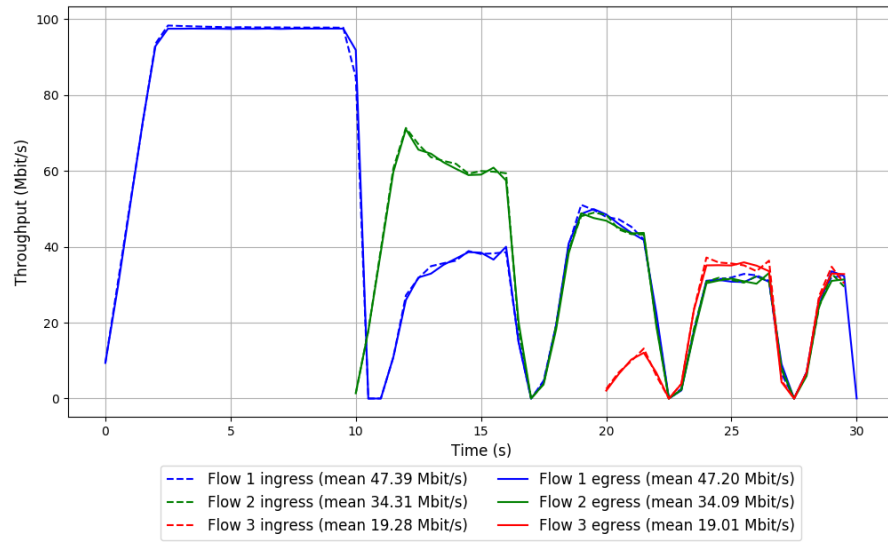


Run 5: Statistics of LEDBAT

Start at: 2018-03-13 19:07:34
End at: 2018-03-13 19:08:04
Local clock offset: 5.319 ms
Remote clock offset: 11.856 ms

Below is generated by plot.py at 2018-03-13 21:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 46.128 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 45.446 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 46.967 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 19.01 Mbit/s
95th percentile per-packet one-way delay: 46.877 ms
Loss rate: 1.35%

Run 5: Report of LEDBAT — Data Link

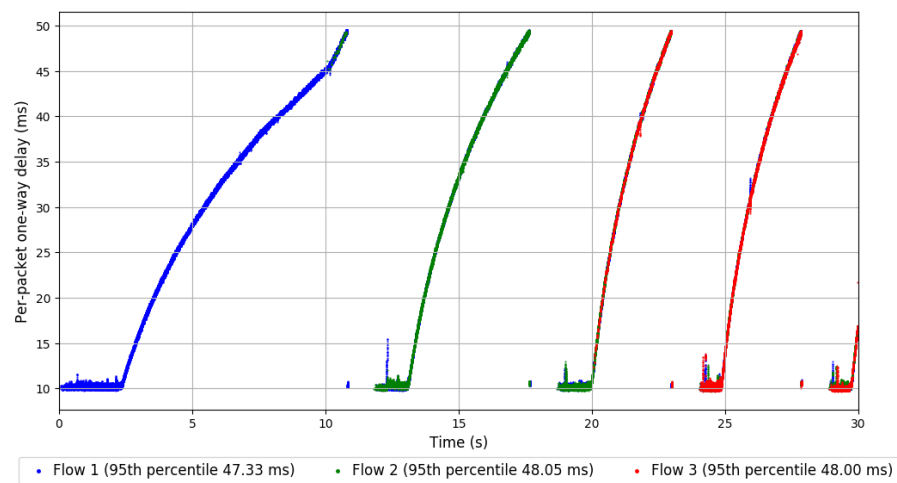
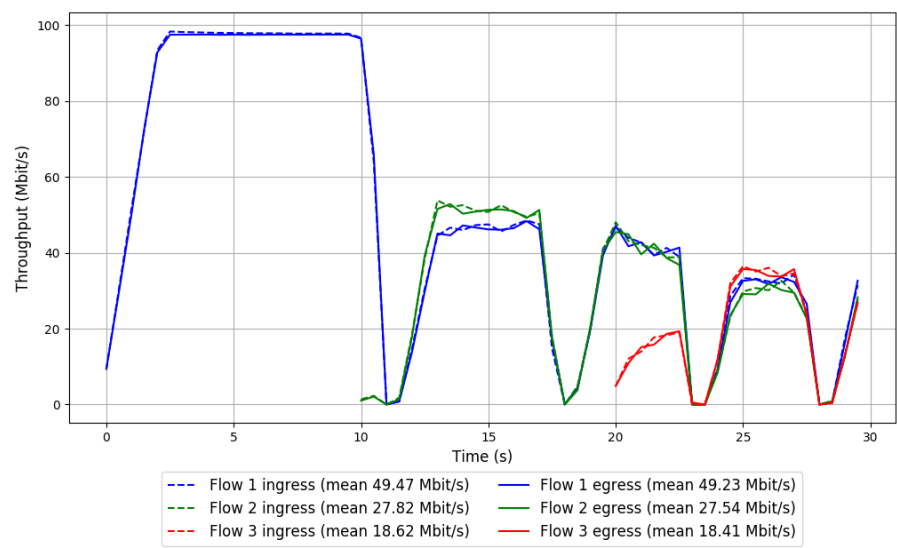


Run 6: Statistics of LEDBAT

Start at: 2018-03-13 19:28:40
End at: 2018-03-13 19:29:10
Local clock offset: 4.909 ms
Remote clock offset: 16.977 ms

Below is generated by plot.py at 2018-03-13 21:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 47.691 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 47.325 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 48.046 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 48.004 ms
Loss rate: 1.06%

Run 6: Report of LEDBAT — Data Link

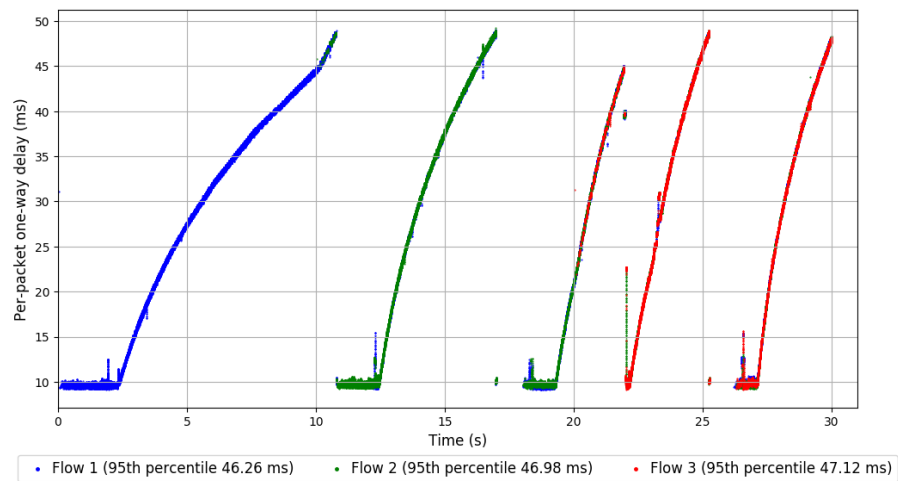
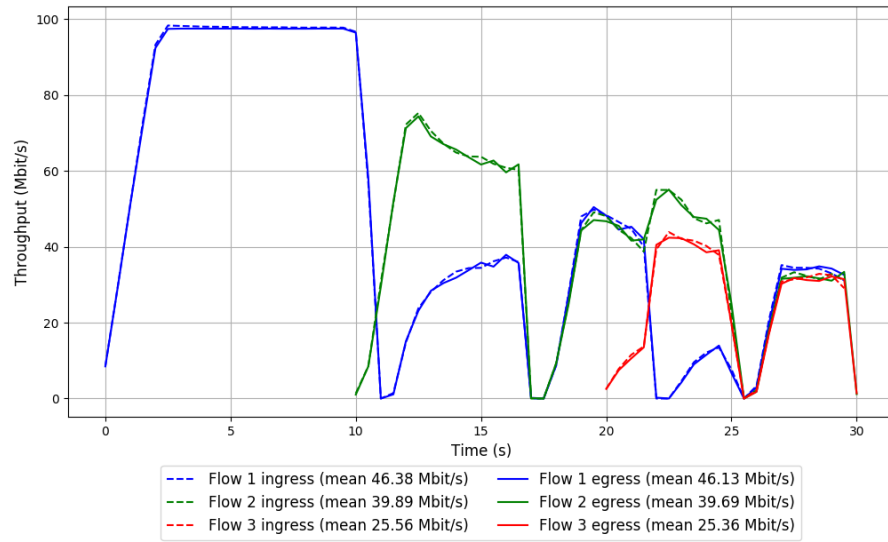


Run 7: Statistics of LEDBAT

Start at: 2018-03-13 19:49:57
End at: 2018-03-13 19:50:27
Local clock offset: 4.586 ms
Remote clock offset: 16.786 ms

Below is generated by plot.py at 2018-03-13 21:47:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 46.663 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 46.257 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 46.975 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 47.116 ms
Loss rate: 0.60%

Run 7: Report of LEDBAT — Data Link

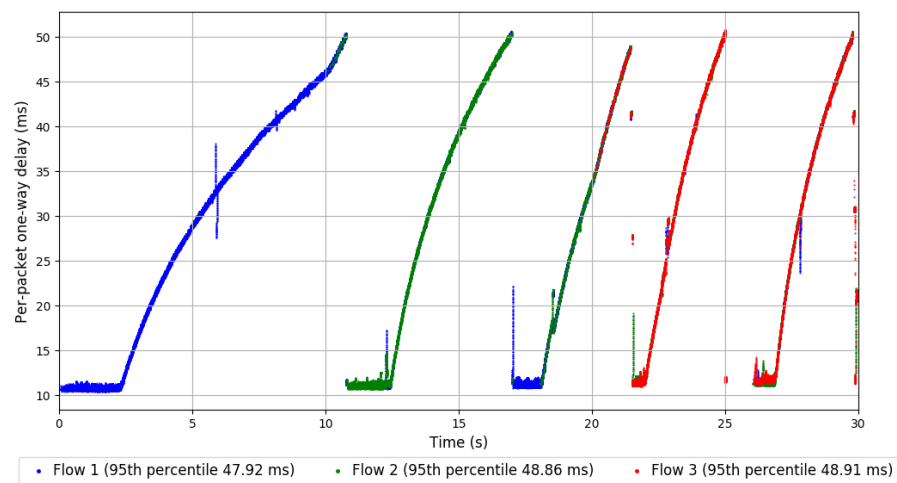
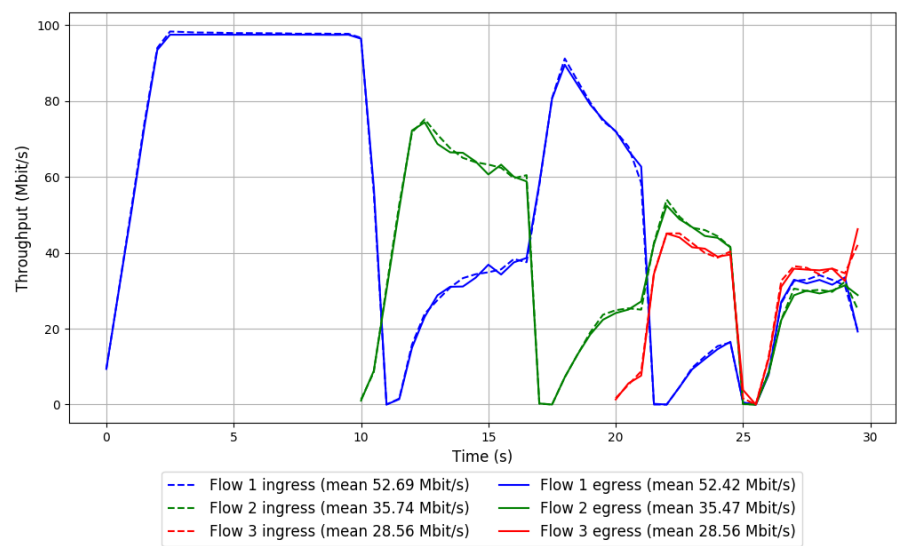


Run 8: Statistics of LEDBAT

Start at: 2018-03-13 20:11:19
End at: 2018-03-13 20:11:49
Local clock offset: 2.826 ms
Remote clock offset: 10.784 ms

Below is generated by plot.py at 2018-03-13 21:47:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 48.373 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 47.917 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 48.863 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 48.905 ms
Loss rate: 0.13%

Run 8: Report of LEDBAT — Data Link

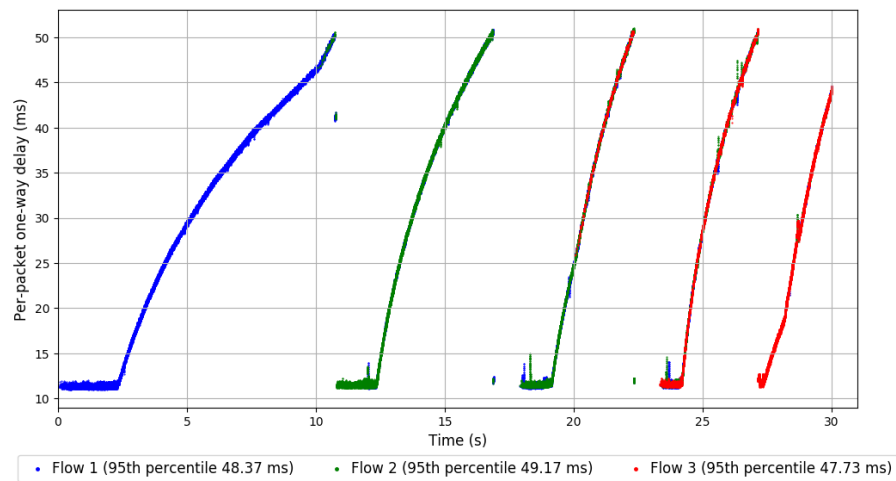
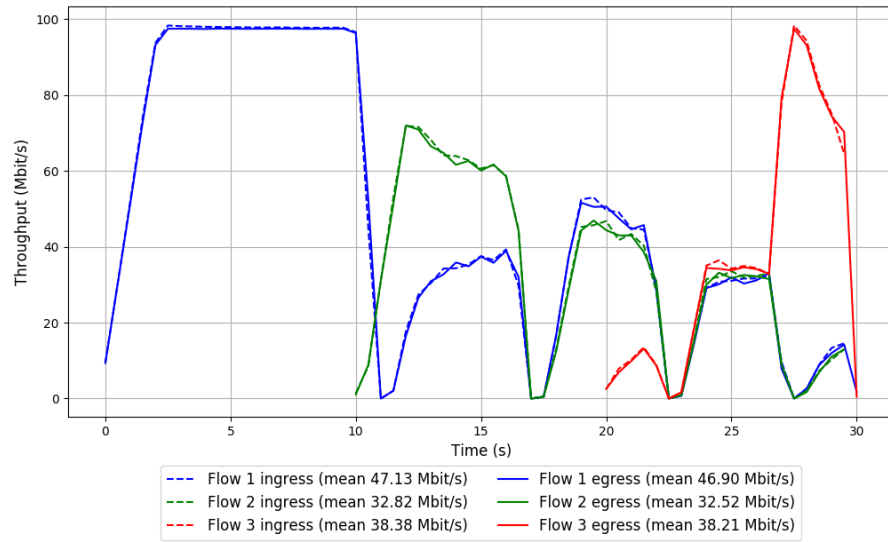


Run 9: Statistics of LEDBAT

Start at: 2018-03-13 20:32:53
End at: 2018-03-13 20:33:23
Local clock offset: 3.52 ms
Remote clock offset: -3.253 ms

Below is generated by plot.py at 2018-03-13 21:47:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.20 Mbit/s
95th percentile per-packet one-way delay: 48.623 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 46.90 Mbit/s
95th percentile per-packet one-way delay: 48.374 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 49.169 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 47.725 ms
Loss rate: 0.24%

Run 9: Report of LEDBAT — Data Link

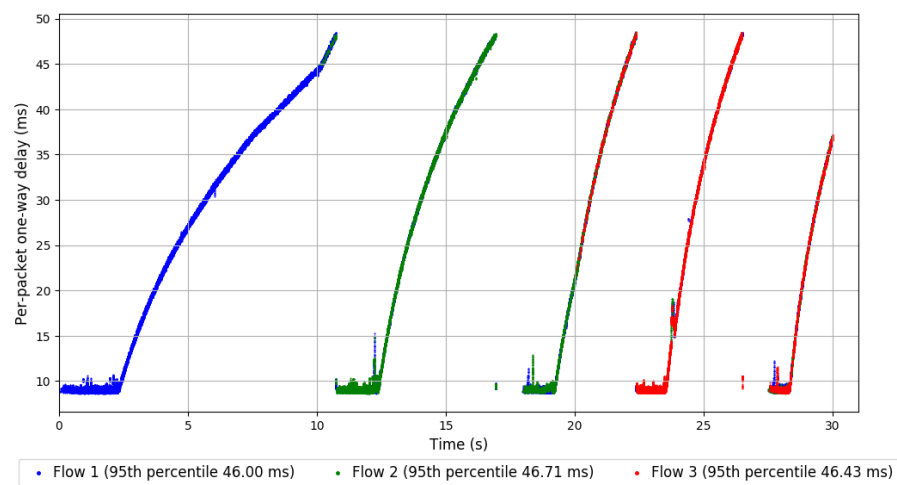
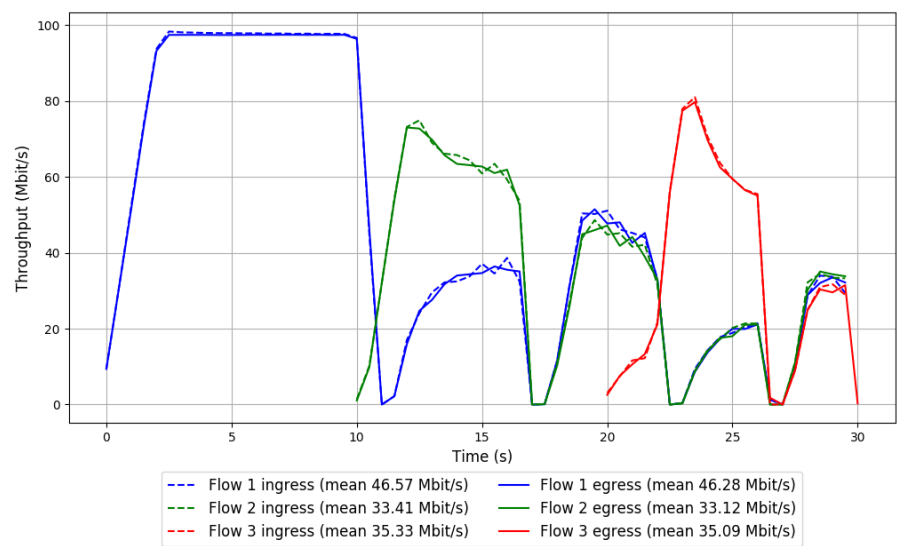


Run 10: Statistics of LEDBAT

Start at: 2018-03-13 20:54:47
End at: 2018-03-13 20:55:17
Local clock offset: 5.724 ms
Remote clock offset: -4.382 ms

Below is generated by plot.py at 2018-03-13 21:47:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 46.259 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 45.998 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 46.713 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 46.430 ms
Loss rate: 0.51%

Run 10: Report of LEDBAT — Data Link

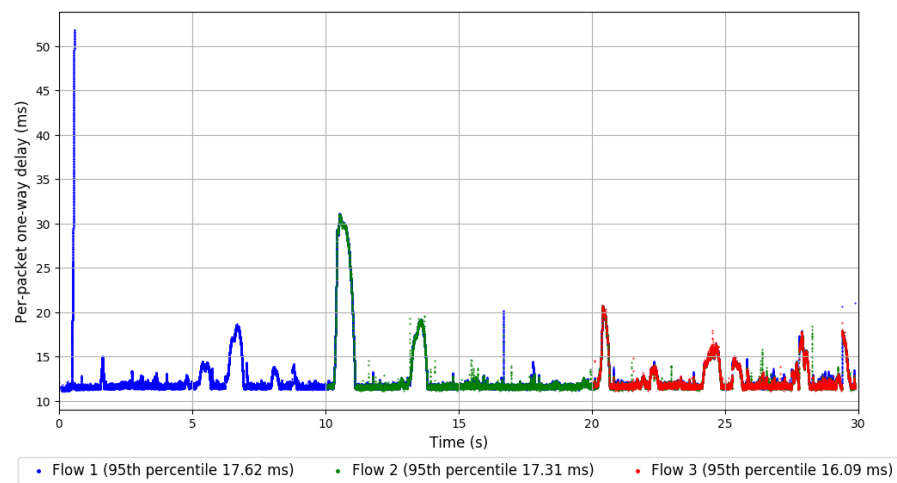
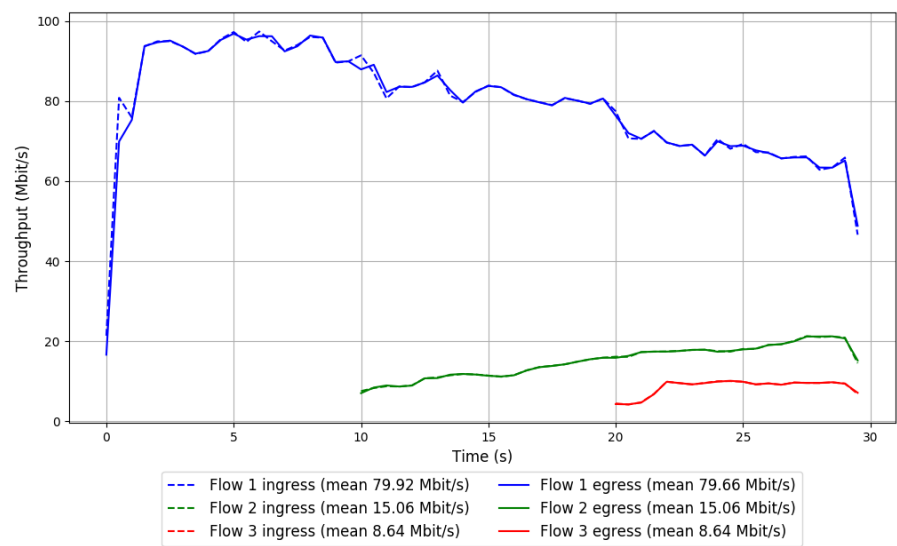


Run 1: Statistics of PCC

Start at: 2018-03-13 17:45:01
End at: 2018-03-13 17:45:31
Local clock offset: 3.755 ms
Remote clock offset: -0.765 ms

Below is generated by plot.py at 2018-03-13 21:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 17.500 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 79.66 Mbit/s
95th percentile per-packet one-way delay: 17.623 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 17.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 16.093 ms
Loss rate: 0.00%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-13 18:06:15

End at: 2018-03-13 18:06:45

Local clock offset: 2.788 ms

Remote clock offset: -2.74 ms

Below is generated by plot.py at 2018-03-13 21:47:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.79 Mbit/s

95th percentile per-packet one-way delay: 28.284 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 80.25 Mbit/s

95th percentile per-packet one-way delay: 27.774 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 10.68 Mbit/s

95th percentile per-packet one-way delay: 38.429 ms

Loss rate: 0.15%

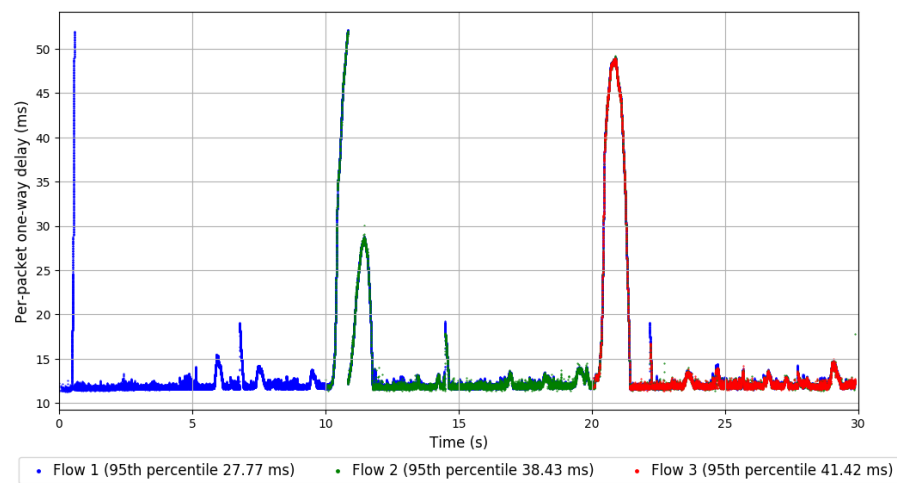
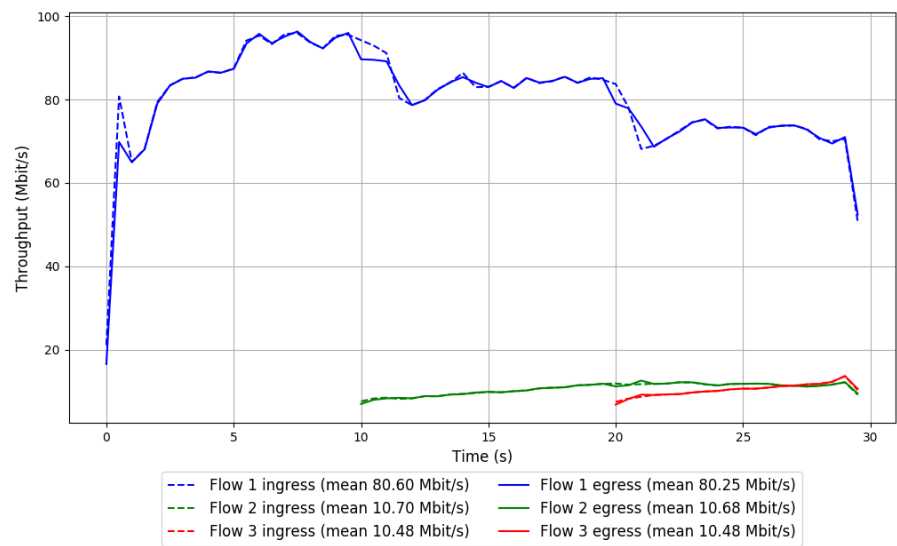
-- Flow 3:

Average throughput: 10.48 Mbit/s

95th percentile per-packet one-way delay: 41.421 ms

Loss rate: 0.00%

Run 2: Report of PCC — Data Link

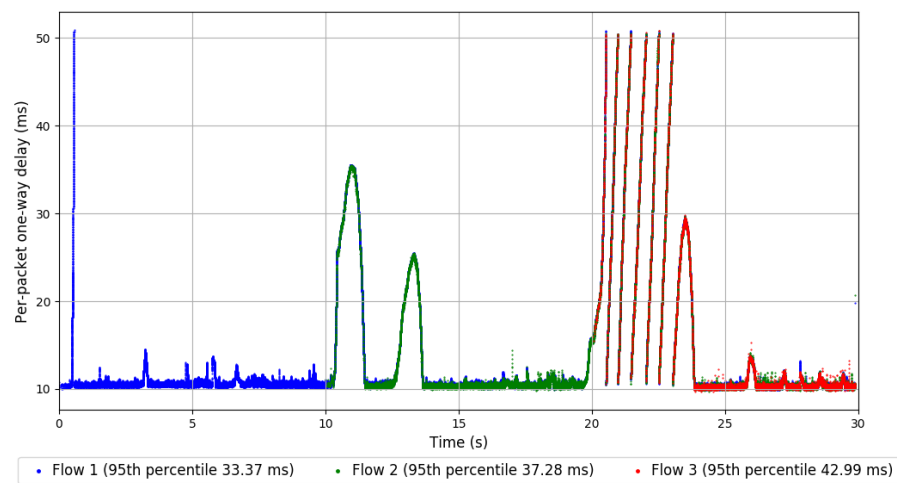
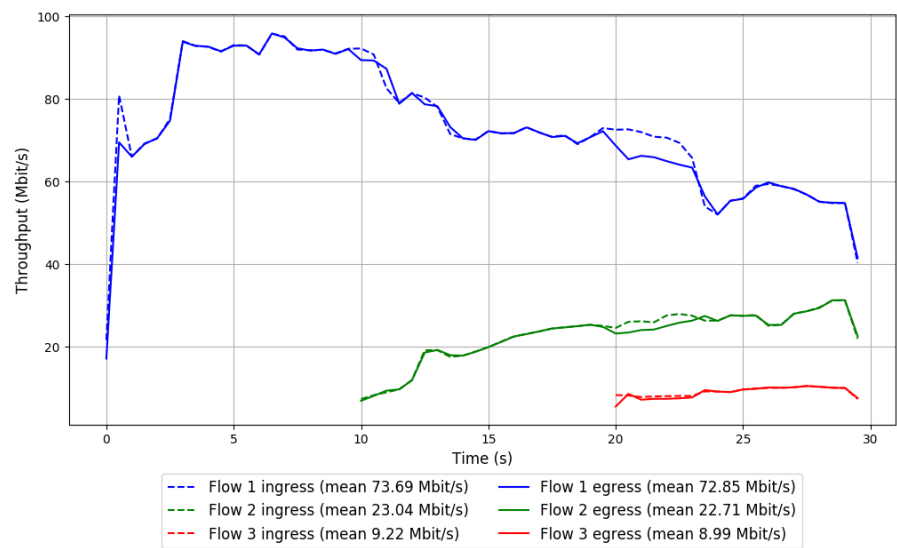


Run 3: Statistics of PCC

Start at: 2018-03-13 18:27:29
End at: 2018-03-13 18:27:59
Local clock offset: 5.245 ms
Remote clock offset: -0.783 ms

Below is generated by plot.py at 2018-03-13 21:48:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 34.345 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 72.85 Mbit/s
95th percentile per-packet one-way delay: 33.374 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 37.280 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 42.995 ms
Loss rate: 2.56%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-03-13 18:48:45

End at: 2018-03-13 18:49:15

Local clock offset: 4.436 ms

Remote clock offset: 6.523 ms

Below is generated by plot.py at 2018-03-13 21:48:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 20.043 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 19.402 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 7.21 Mbit/s

95th percentile per-packet one-way delay: 20.749 ms

Loss rate: 0.22%

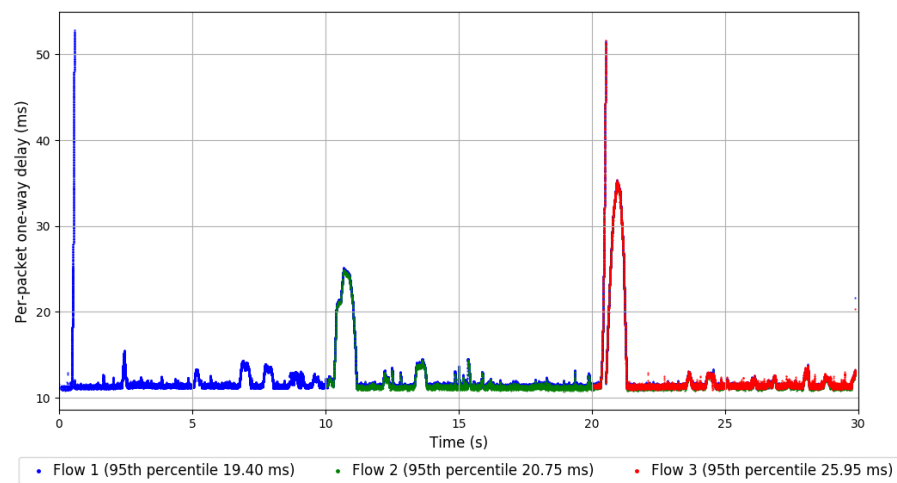
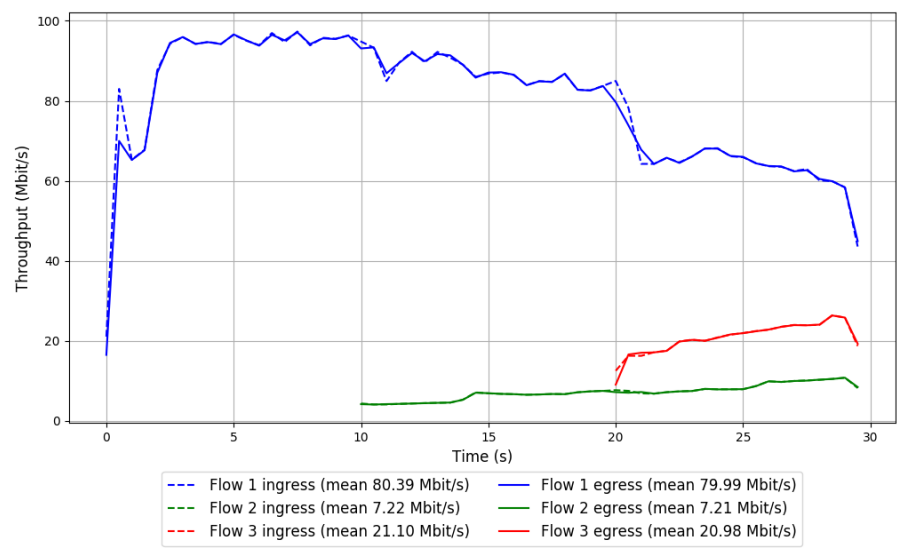
-- Flow 3:

Average throughput: 20.98 Mbit/s

95th percentile per-packet one-way delay: 25.948 ms

Loss rate: 0.48%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-03-13 19:09:54

End at: 2018-03-13 19:10:24

Local clock offset: 3.474 ms

Remote clock offset: 12.44 ms

Below is generated by plot.py at 2018-03-13 21:48:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.08 Mbit/s

95th percentile per-packet one-way delay: 41.575 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 75.11 Mbit/s

95th percentile per-packet one-way delay: 39.951 ms

Loss rate: 1.40%

-- Flow 2:

Average throughput: 16.99 Mbit/s

95th percentile per-packet one-way delay: 43.640 ms

Loss rate: 1.60%

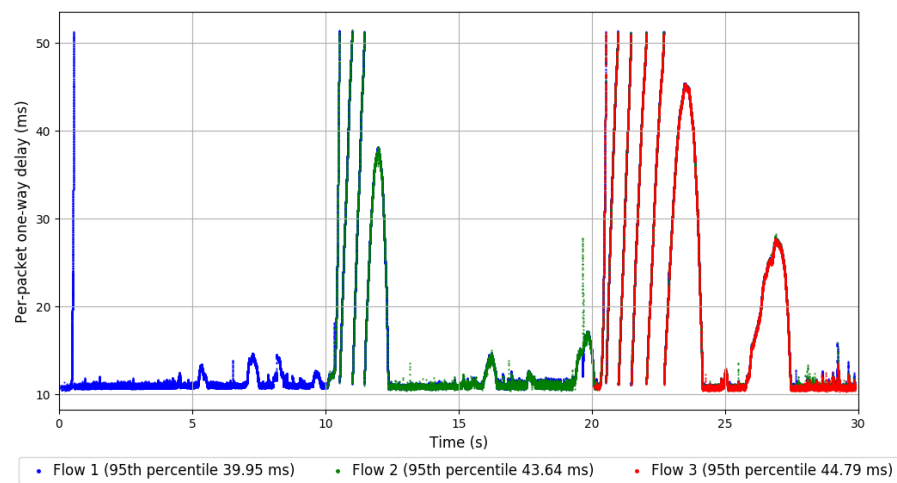
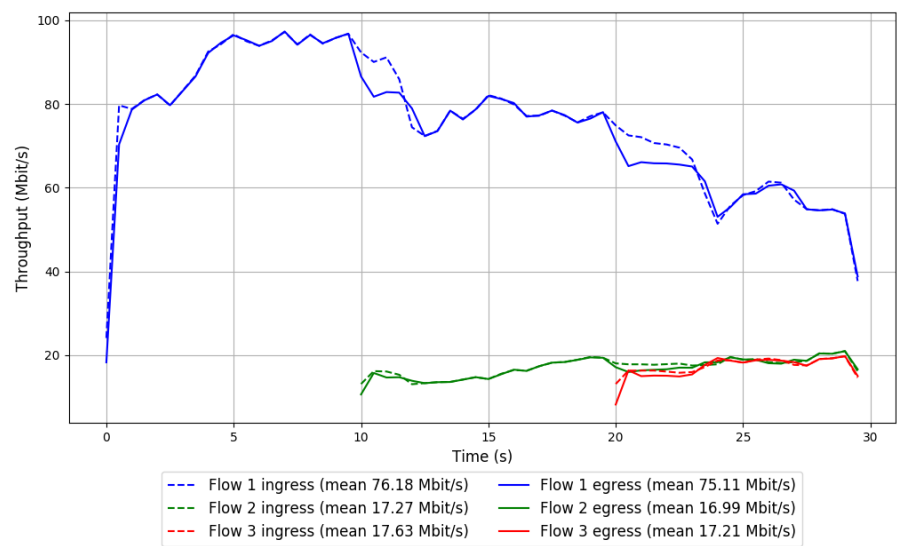
-- Flow 3:

Average throughput: 17.21 Mbit/s

95th percentile per-packet one-way delay: 44.790 ms

Loss rate: 2.40%

Run 5: Report of PCC — Data Link

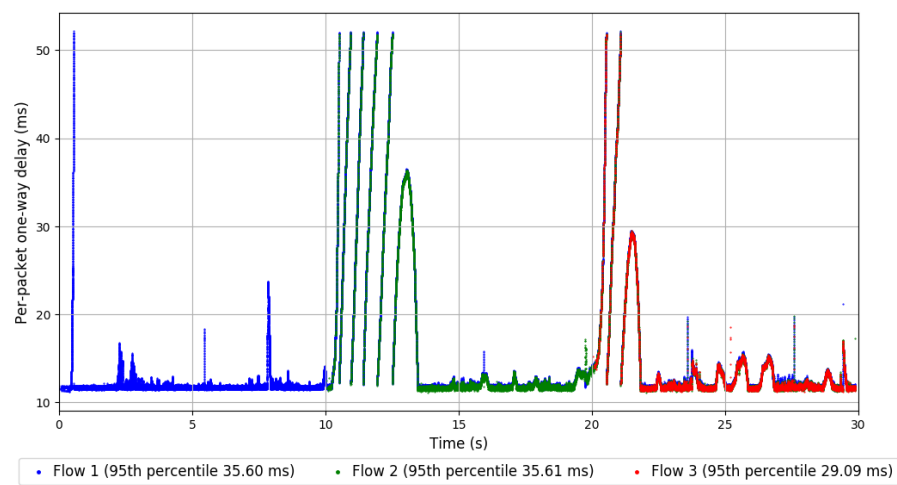
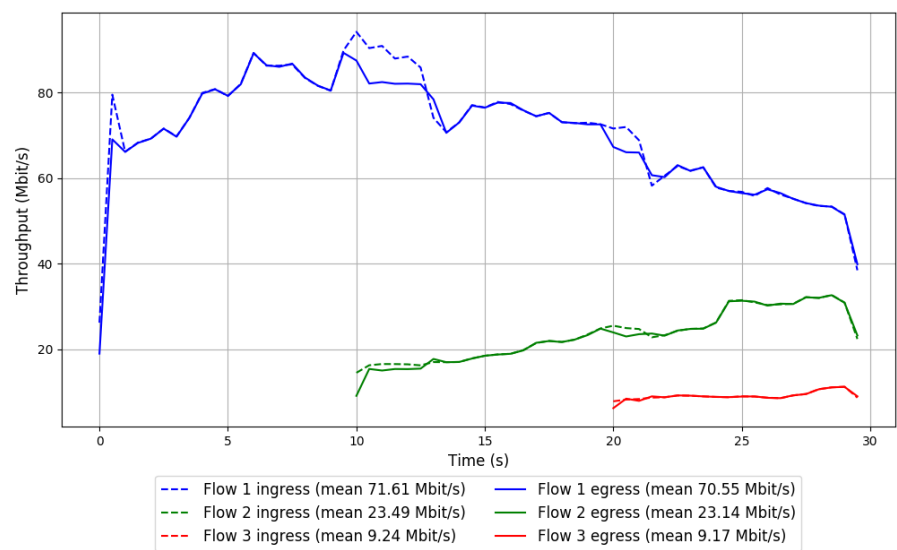


Run 6: Statistics of PCC

Start at: 2018-03-13 19:31:00
End at: 2018-03-13 19:31:30
Local clock offset: 3.913 ms
Remote clock offset: 17.903 ms

Below is generated by plot.py at 2018-03-13 21:48:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 35.539 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 70.55 Mbit/s
95th percentile per-packet one-way delay: 35.602 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 23.14 Mbit/s
95th percentile per-packet one-way delay: 35.612 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 29.091 ms
Loss rate: 0.72%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-03-13 19:52:17

End at: 2018-03-13 19:52:47

Local clock offset: 2.726 ms

Remote clock offset: 17.23 ms

Below is generated by plot.py at 2018-03-13 21:49:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 41.154 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 78.04 Mbit/s

95th percentile per-packet one-way delay: 40.513 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 10.95 Mbit/s

95th percentile per-packet one-way delay: 42.180 ms

Loss rate: 0.91%

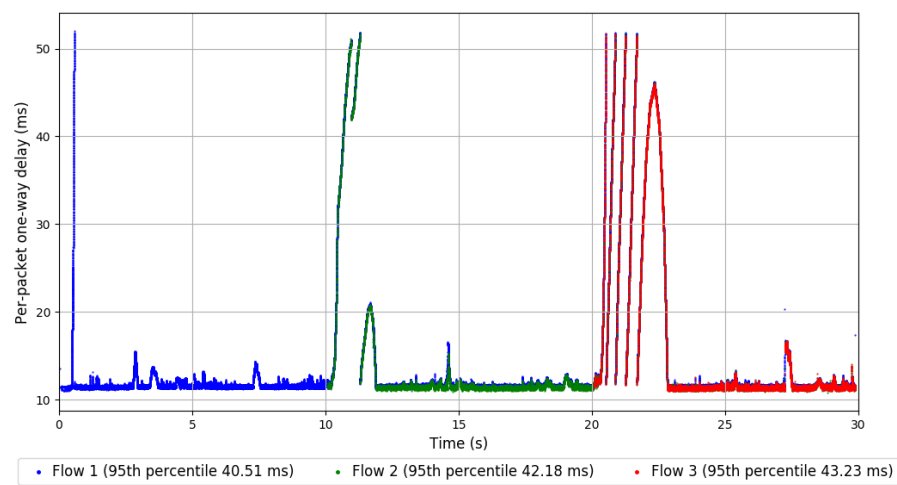
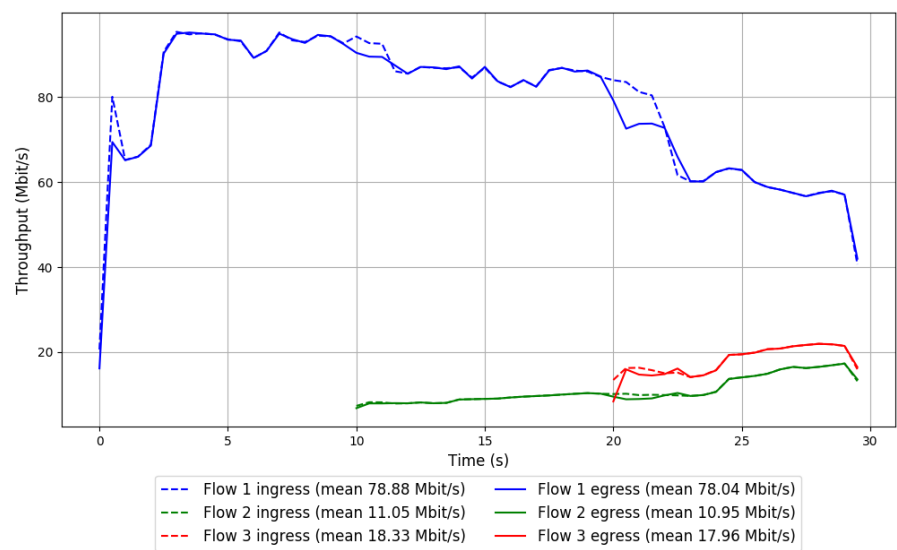
-- Flow 3:

Average throughput: 17.96 Mbit/s

95th percentile per-packet one-way delay: 43.232 ms

Loss rate: 1.98%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-13 20:13:42

End at: 2018-03-13 20:14:12

Local clock offset: 0.33 ms

Remote clock offset: 7.142 ms

Below is generated by plot.py at 2018-03-13 21:49:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.48 Mbit/s

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

Loss rate: 0.25%

-- Flow 1:

Average throughput: 79.64 Mbit/s

95th percentile per-packet one-way delay: 39.255 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 14.15 Mbit/s

95th percentile per-packet one-way delay: 38.327 ms

Loss rate: 0.00%

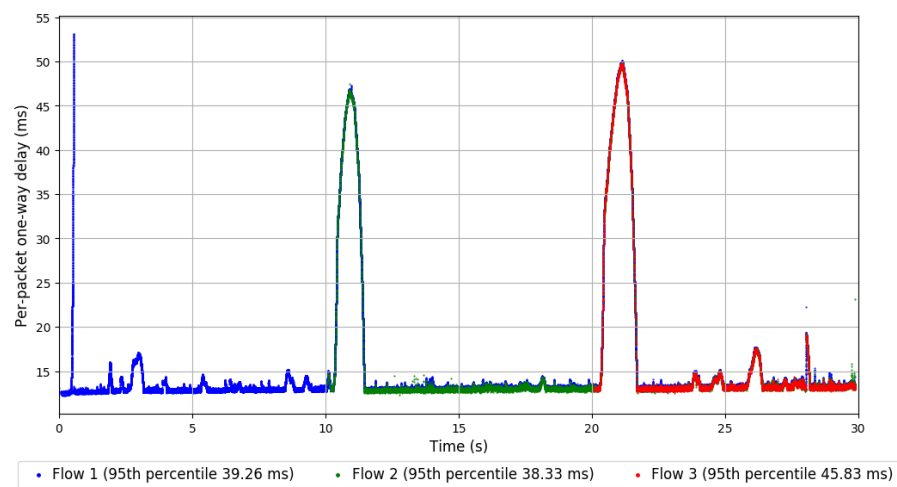
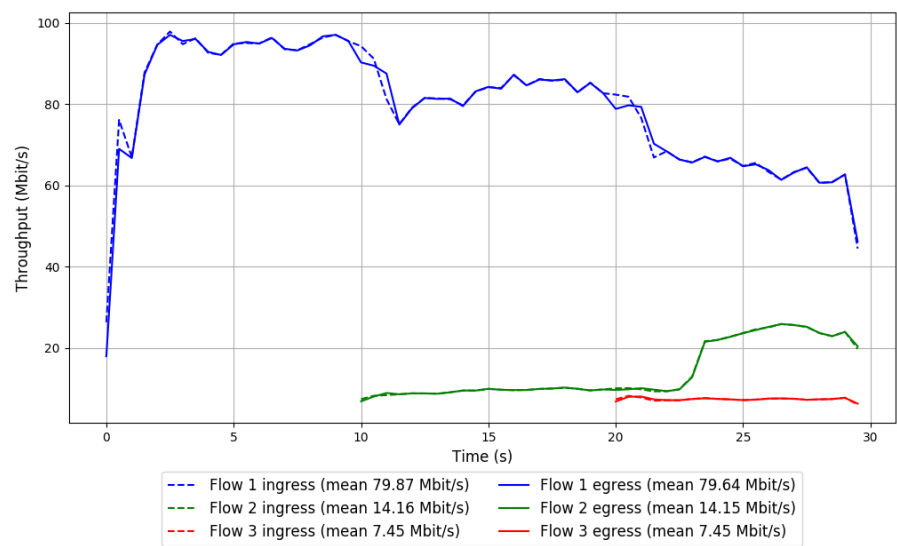
-- Flow 3:

Average throughput: 7.45 Mbit/s

95th percentile per-packet one-way delay: 45.833 ms

Loss rate: 0.00%

Run 8: Report of PCC — Data Link

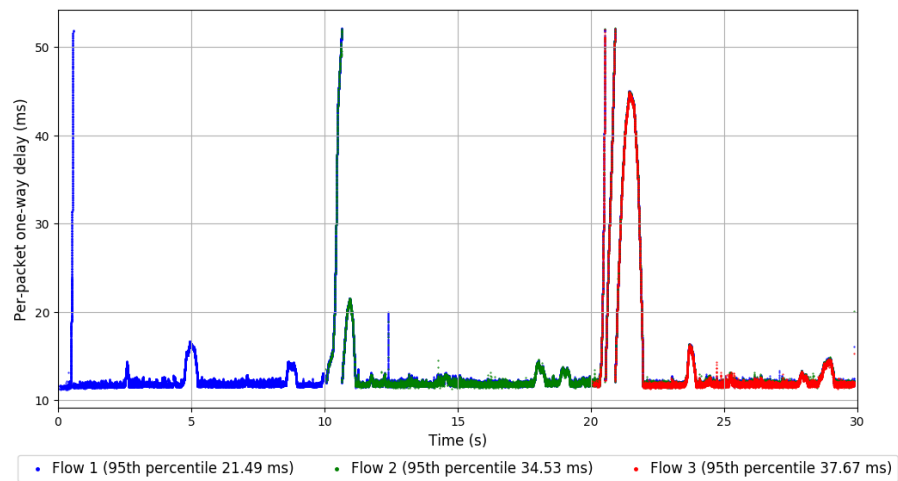
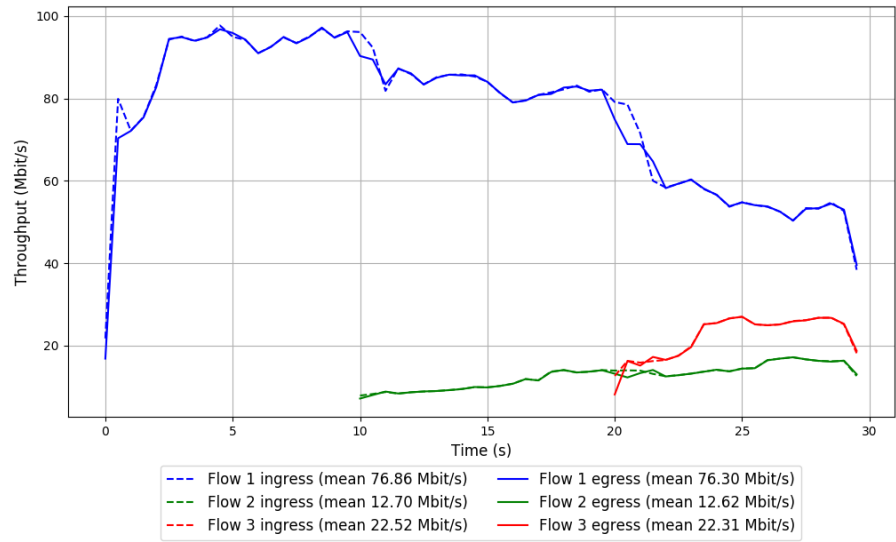


Run 9: Statistics of PCC

Start at: 2018-03-13 20:35:24
End at: 2018-03-13 20:35:54
Local clock offset: 3.126 ms
Remote clock offset: -4.227 ms

Below is generated by plot.py at 2018-03-13 21:49:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 25.793 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 21.487 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 34.527 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 22.31 Mbit/s
95th percentile per-packet one-way delay: 37.674 ms
Loss rate: 0.87%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-13 20:57:11

End at: 2018-03-13 20:57:41

Local clock offset: 2.67 ms

Remote clock offset: -4.58 ms

Below is generated by plot.py at 2018-03-13 21:49:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 16.929 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 79.78 Mbit/s

95th percentile per-packet one-way delay: 16.723 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 19.141 ms

Loss rate: 0.33%

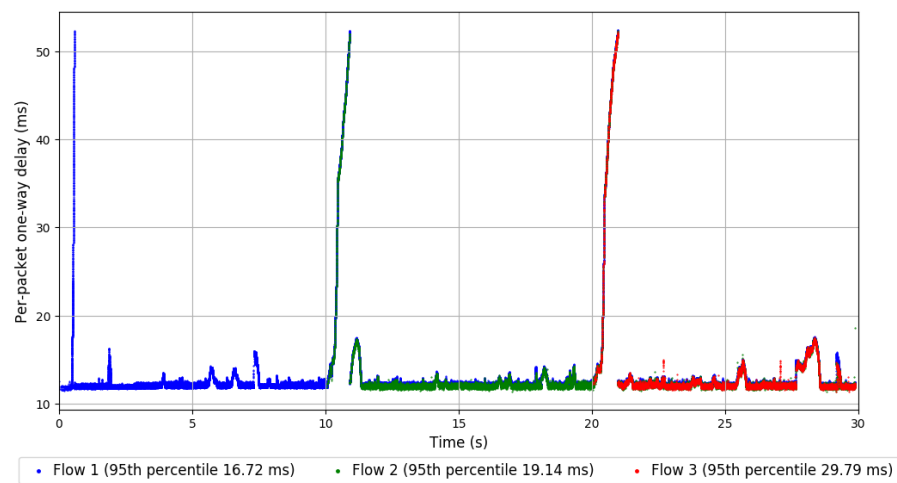
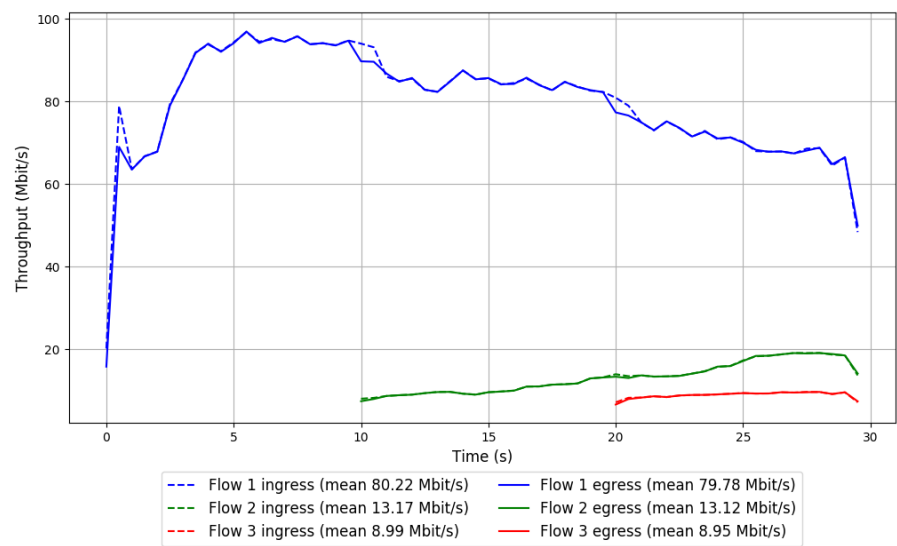
-- Flow 3:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 29.788 ms

Loss rate: 0.37%

Run 10: Report of PCC — Data Link

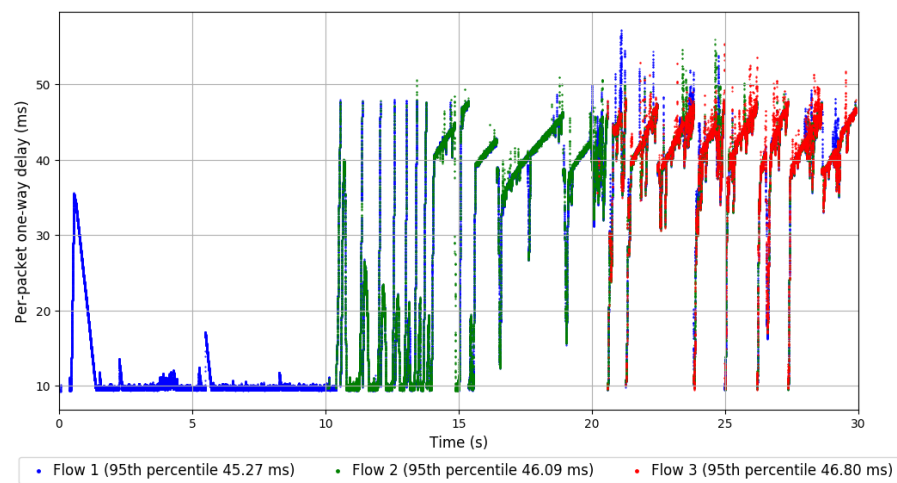
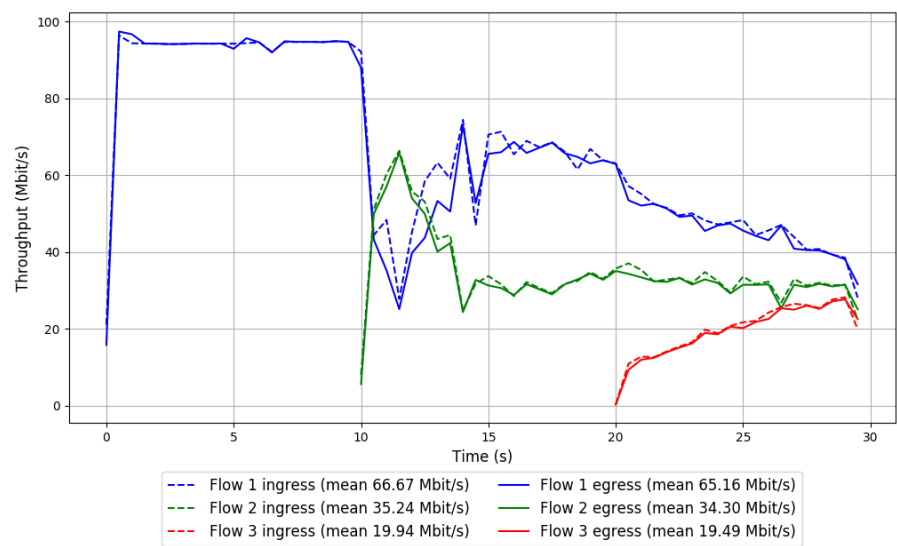


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 17:46:09
End at: 2018-03-13 17:46:39
Local clock offset: 4.813 ms
Remote clock offset: -1.624 ms

Below is generated by plot.py at 2018-03-13 21:50:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 45.791 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 65.16 Mbit/s
95th percentile per-packet one-way delay: 45.270 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 46.095 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 46.802 ms
Loss rate: 2.20%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-13 18:07:24

End at: 2018-03-13 18:07:54

Local clock offset: 5.299 ms

Remote clock offset: -2.4 ms

Below is generated by plot.py at 2018-03-13 21:50:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 47.278 ms

Loss rate: 2.31%

-- Flow 1:

Average throughput: 66.16 Mbit/s

95th percentile per-packet one-way delay: 47.324 ms

Loss rate: 2.19%

-- Flow 2:

Average throughput: 28.30 Mbit/s

95th percentile per-packet one-way delay: 47.096 ms

Loss rate: 2.46%

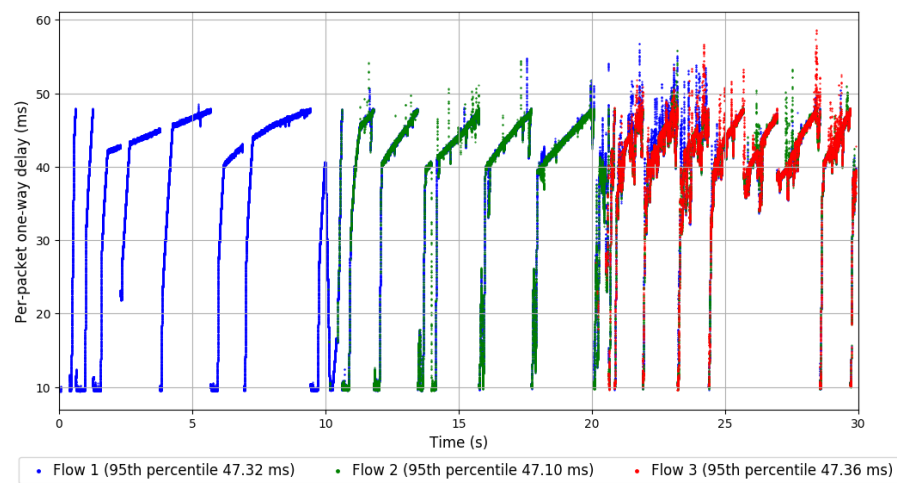
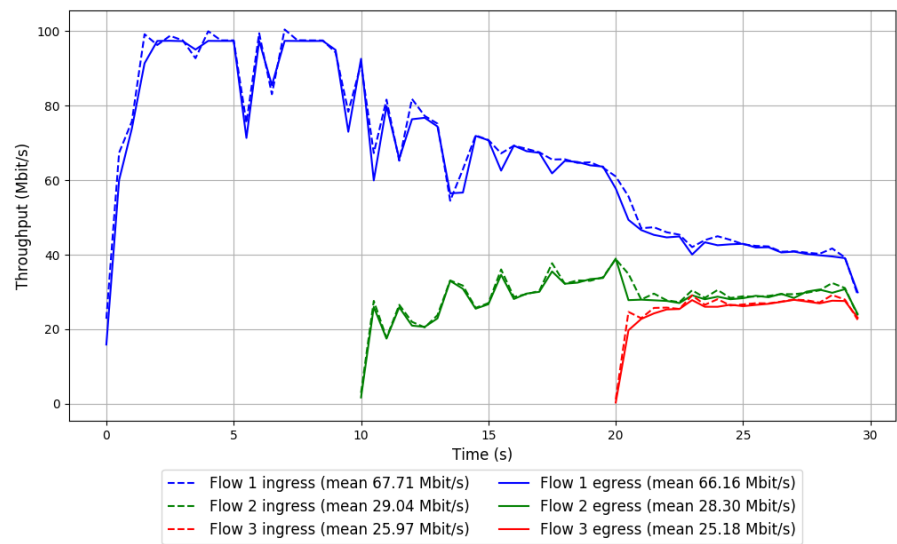
-- Flow 3:

Average throughput: 25.18 Mbit/s

95th percentile per-packet one-way delay: 47.363 ms

Loss rate: 2.90%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-03-13 18:28:39

End at: 2018-03-13 18:29:09

Local clock offset: 6.538 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-03-13 21:50:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 45.845 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 45.508 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 29.70 Mbit/s

95th percentile per-packet one-way delay: 46.323 ms

Loss rate: 2.07%

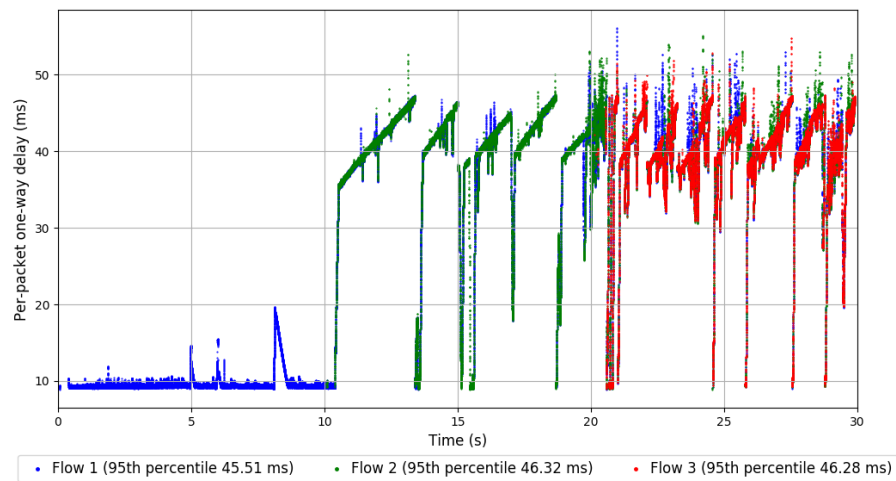
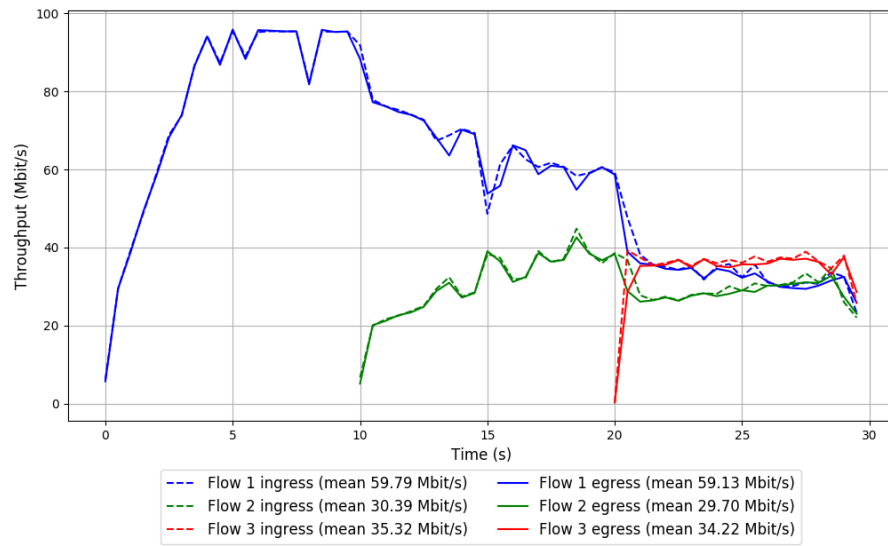
-- Flow 3:

Average throughput: 34.22 Mbit/s

95th percentile per-packet one-way delay: 46.284 ms

Loss rate: 3.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-03-13 18:49:53

End at: 2018-03-13 18:50:23

Local clock offset: 5.49 ms

Remote clock offset: 6.633 ms

Below is generated by plot.py at 2018-03-13 21:50:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.28 Mbit/s

95th percentile per-packet one-way delay: 47.066 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 57.76 Mbit/s

95th percentile per-packet one-way delay: 46.900 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 35.59 Mbit/s

95th percentile per-packet one-way delay: 47.347 ms

Loss rate: 2.22%

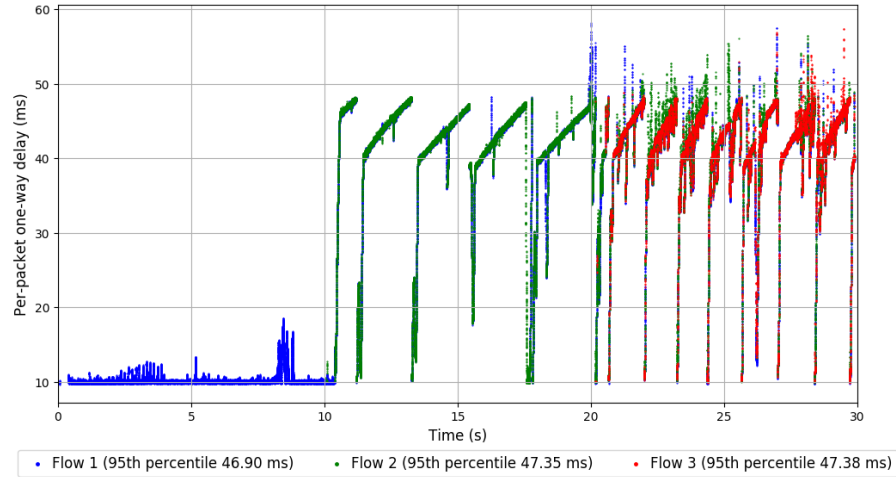
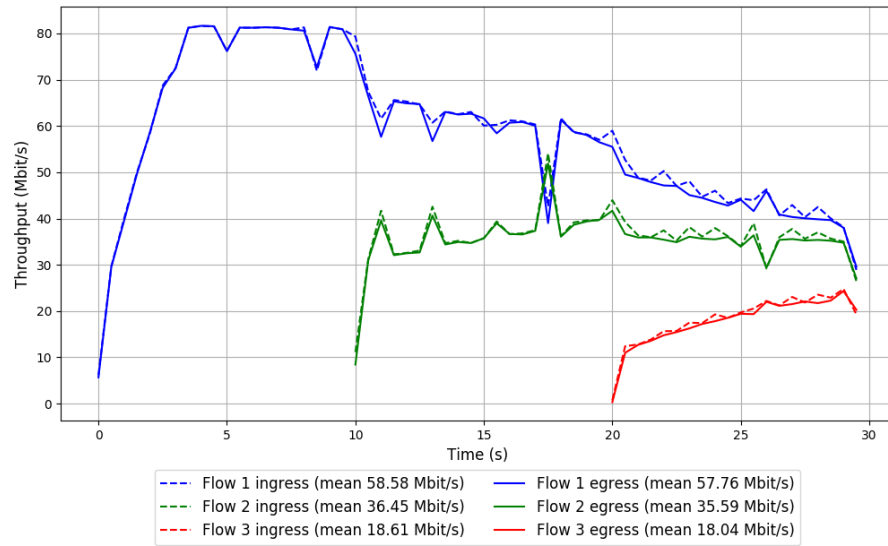
-- Flow 3:

Average throughput: 18.04 Mbit/s

95th percentile per-packet one-way delay: 47.383 ms

Loss rate: 3.09%

Run 4: Report of QUIC Cubic — Data Link

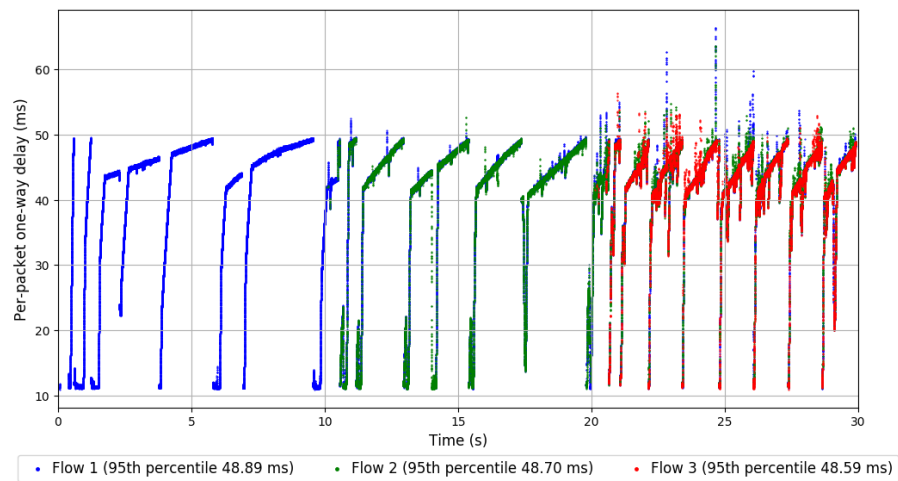
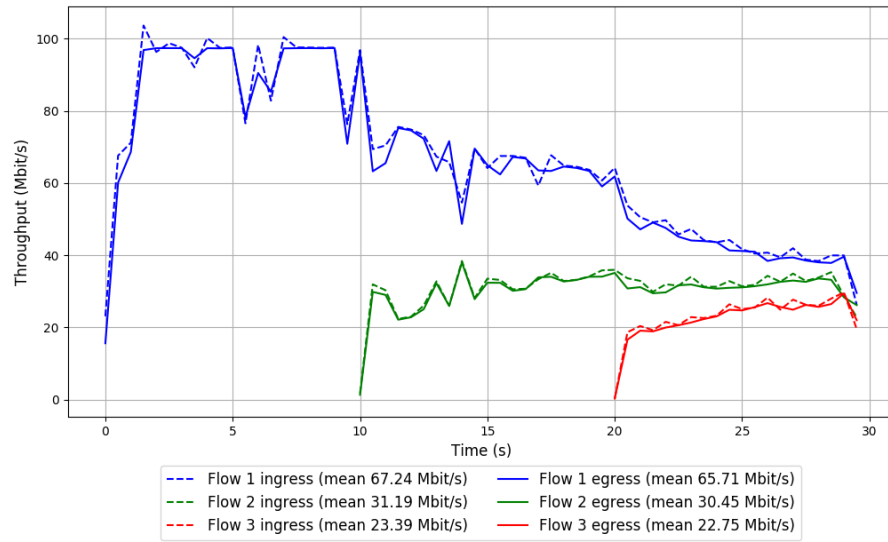


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-13 19:11:03
End at: 2018-03-13 19:11:33
Local clock offset: 3.057 ms
Remote clock offset: 12.831 ms

Below is generated by plot.py at 2018-03-13 21:50:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 48.829 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 48.888 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 48.703 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 48.587 ms
Loss rate: 2.70%

Run 5: Report of QUIC Cubic — Data Link

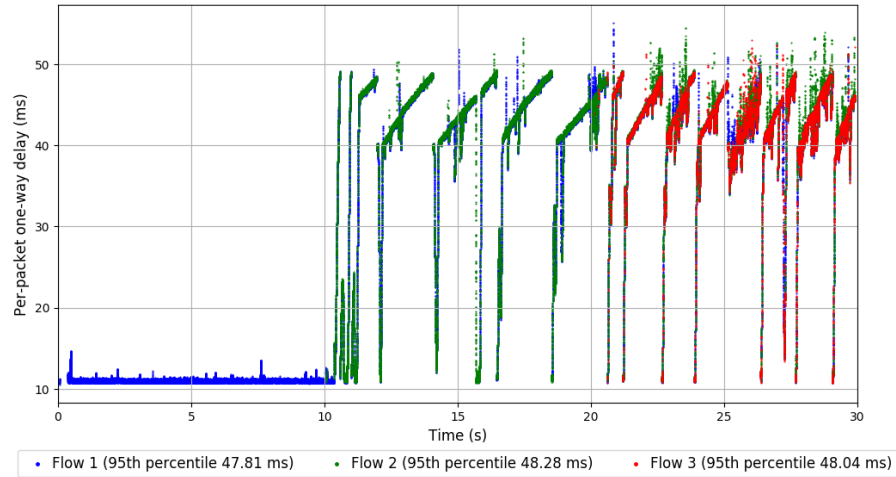
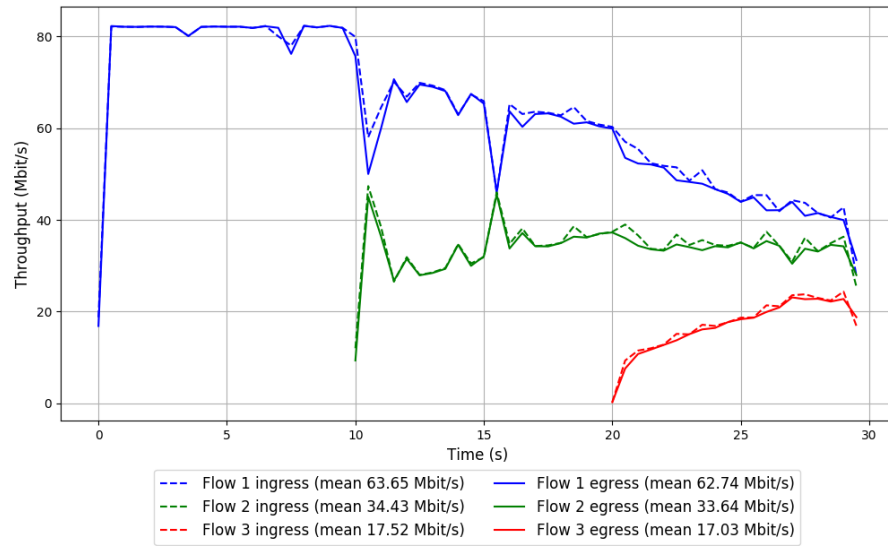


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-13 19:32:09
End at: 2018-03-13 19:32:39
Local clock offset: 4.136 ms
Remote clock offset: 17.702 ms

Below is generated by plot.py at 2018-03-13 21:50:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 47.987 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 62.74 Mbit/s
95th percentile per-packet one-way delay: 47.806 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 48.277 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 48.041 ms
Loss rate: 2.74%

Run 6: Report of QUIC Cubic — Data Link

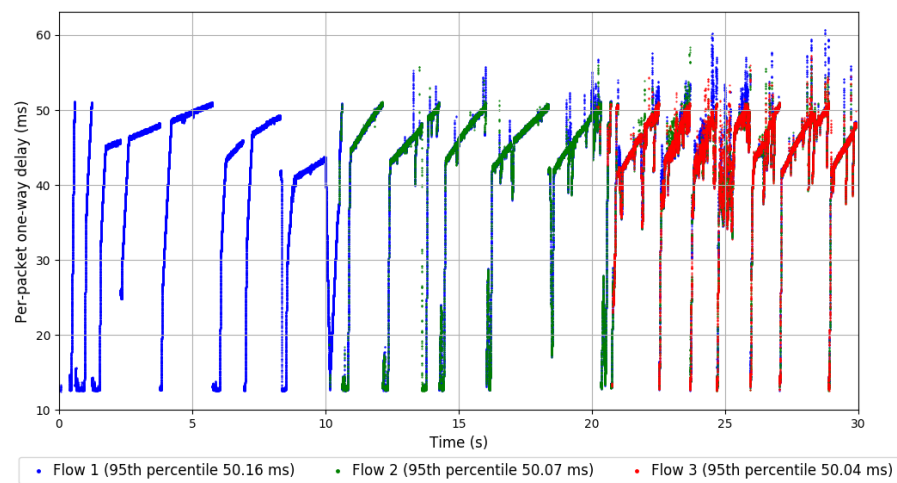
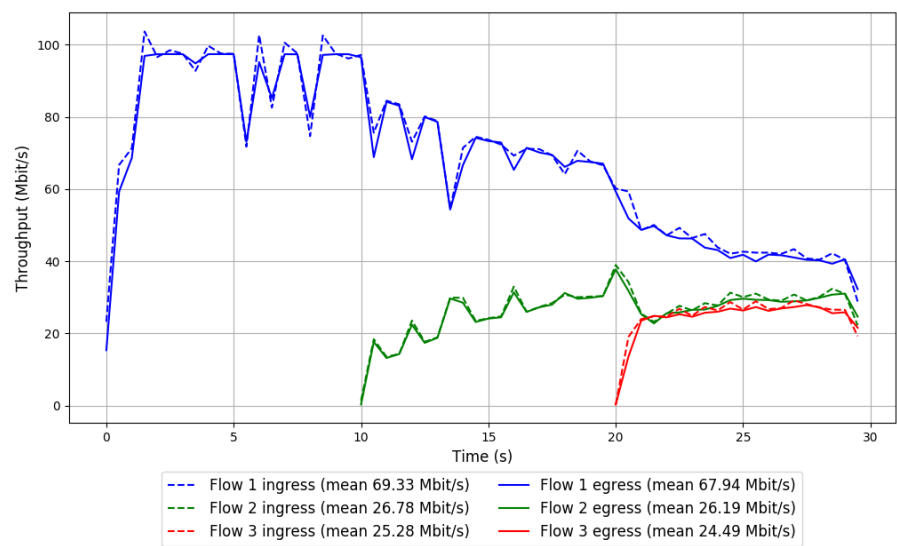


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-13 19:53:26
End at: 2018-03-13 19:53:56
Local clock offset: 1.676 ms
Remote clock offset: 17.848 ms

Below is generated by plot.py at 2018-03-13 21:50:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 50.139 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 67.94 Mbit/s
95th percentile per-packet one-way delay: 50.165 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 50.067 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 50.038 ms
Loss rate: 3.12%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-13 20:14:52

End at: 2018-03-13 20:15:22

Local clock offset: 3.023 ms

Remote clock offset: 6.931 ms

Below is generated by plot.py at 2018-03-13 21:50:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.22 Mbit/s

95th percentile per-packet one-way delay: 48.644 ms

Loss rate: 2.29%

-- Flow 1:

Average throughput: 66.30 Mbit/s

95th percentile per-packet one-way delay: 48.622 ms

Loss rate: 2.15%

-- Flow 2:

Average throughput: 27.30 Mbit/s

95th percentile per-packet one-way delay: 48.723 ms

Loss rate: 2.40%

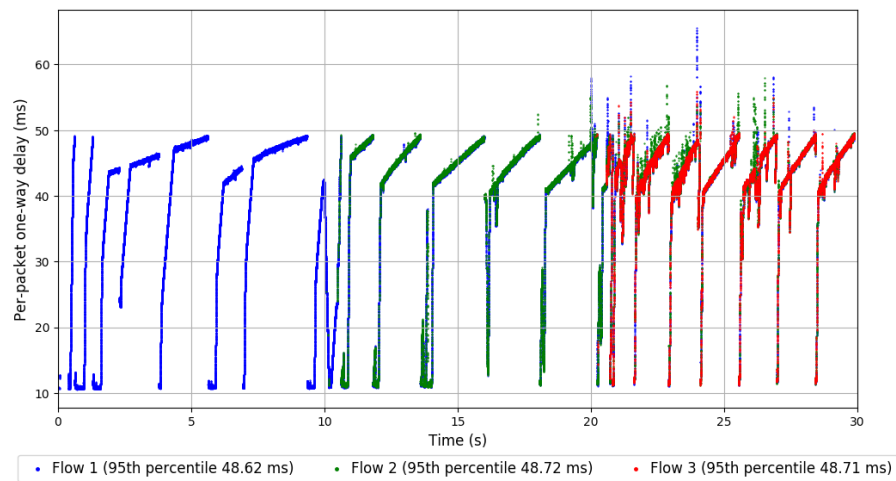
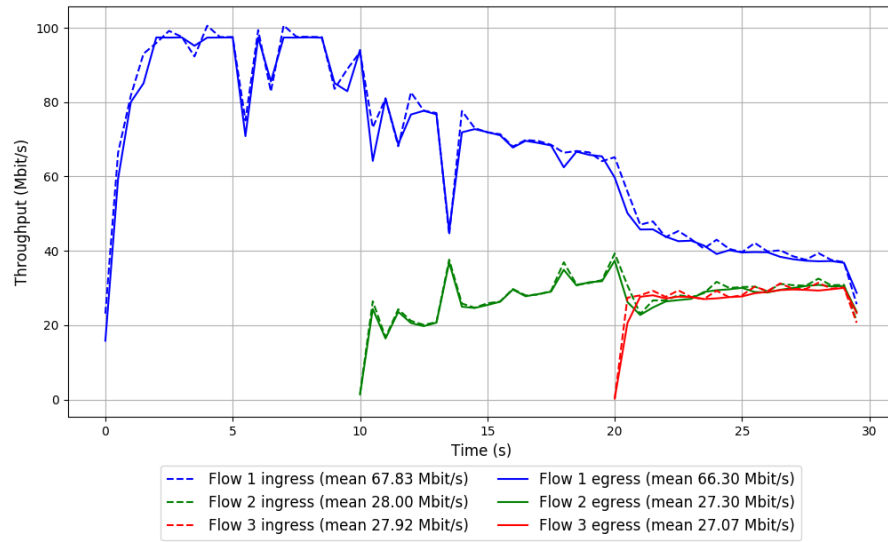
-- Flow 3:

Average throughput: 27.07 Mbit/s

95th percentile per-packet one-way delay: 48.712 ms

Loss rate: 3.09%

Run 8: Report of QUIC Cubic — Data Link

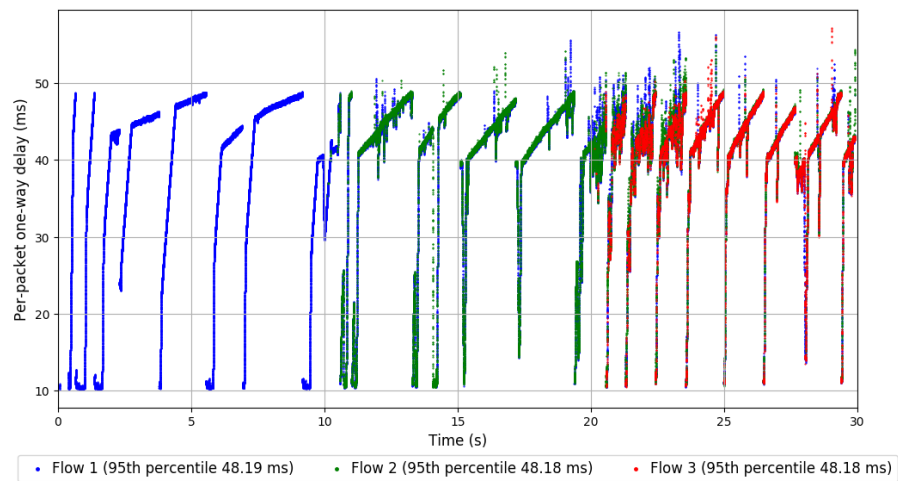
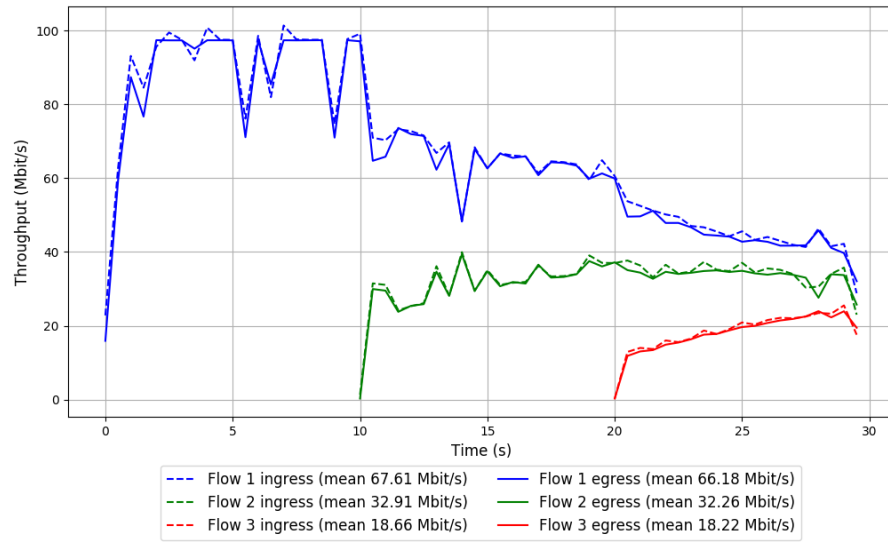


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-13 20:36:36
End at: 2018-03-13 20:37:06
Local clock offset: 3.912 ms
Remote clock offset: -4.765 ms

Below is generated by plot.py at 2018-03-13 21:52:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 48.188 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 66.18 Mbit/s
95th percentile per-packet one-way delay: 48.190 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 48.184 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 18.22 Mbit/s
95th percentile per-packet one-way delay: 48.180 ms
Loss rate: 2.36%

Run 9: Report of QUIC Cubic — Data Link

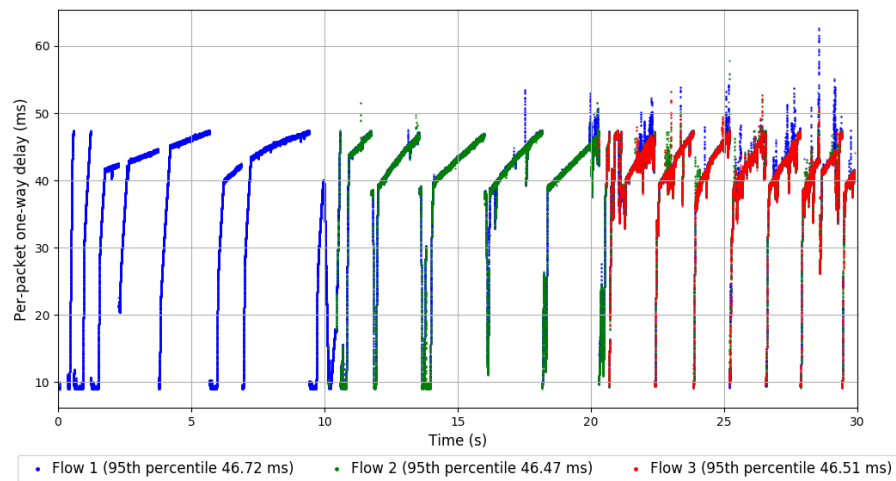
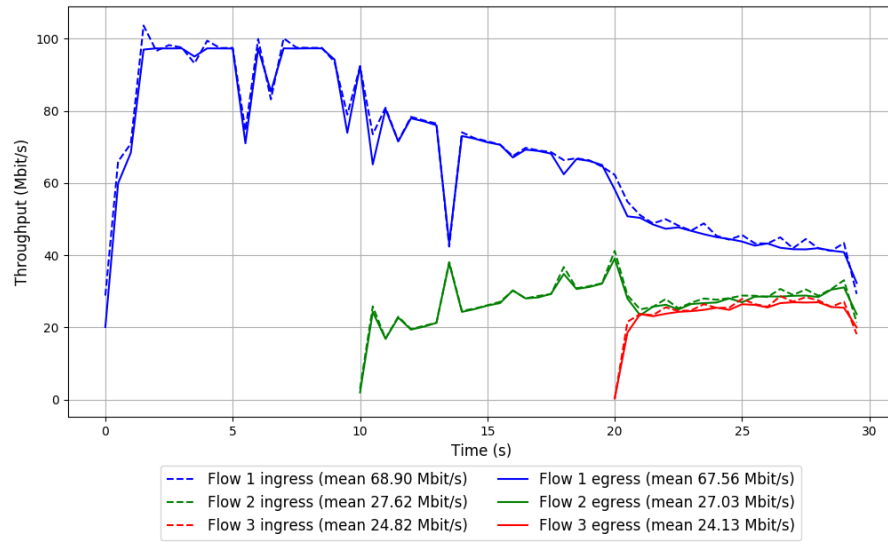


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-13 20:58:20
End at: 2018-03-13 20:58:50
Local clock offset: 5.254 ms
Remote clock offset: -4.734 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 46.683 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 67.56 Mbit/s
95th percentile per-packet one-way delay: 46.722 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 46.472 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 46.510 ms
Loss rate: 2.80%

Run 10: Report of QUIC Cubic — Data Link

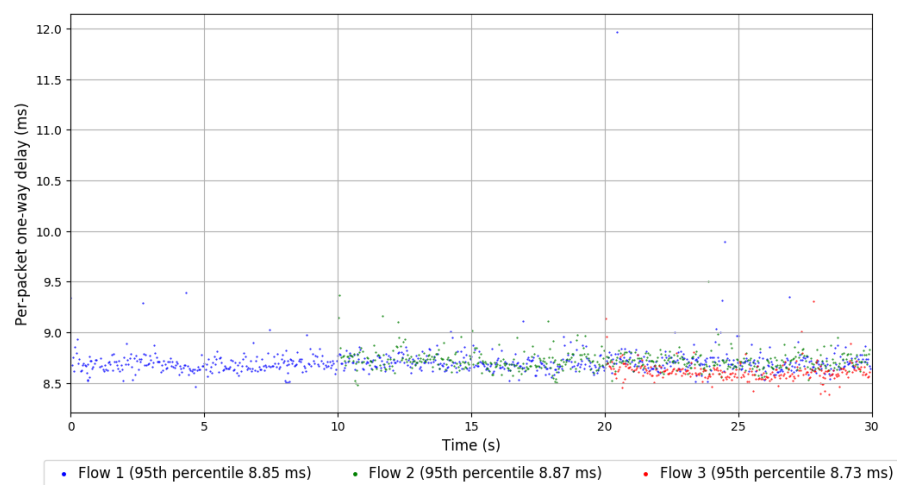
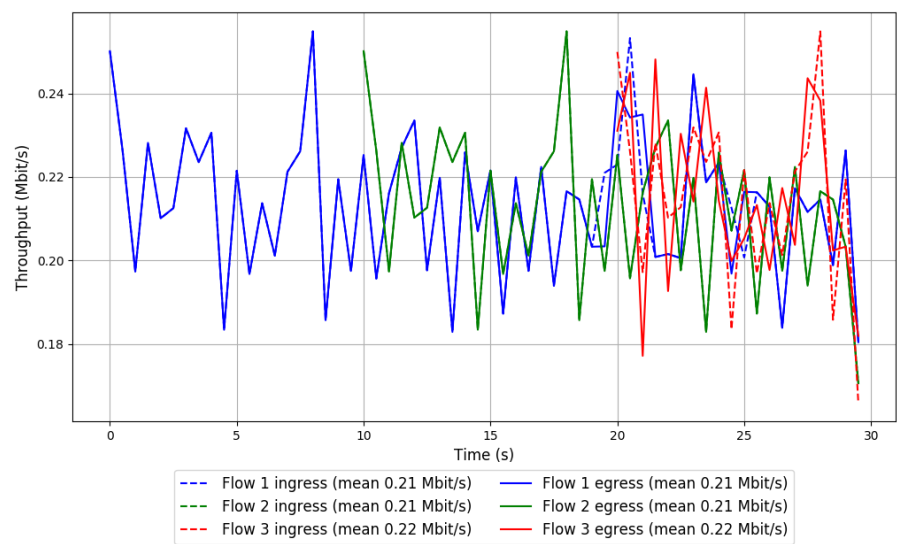


Run 1: Statistics of SReAM

Start at: 2018-03-13 17:36:42
End at: 2018-03-13 17:37:12
Local clock offset: 5.878 ms
Remote clock offset: -1.465 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 8.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.852 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.869 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.727 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

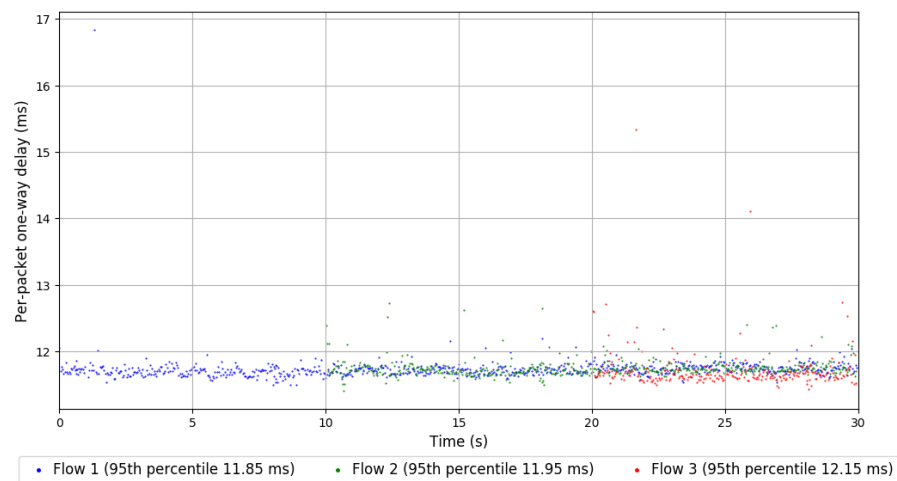
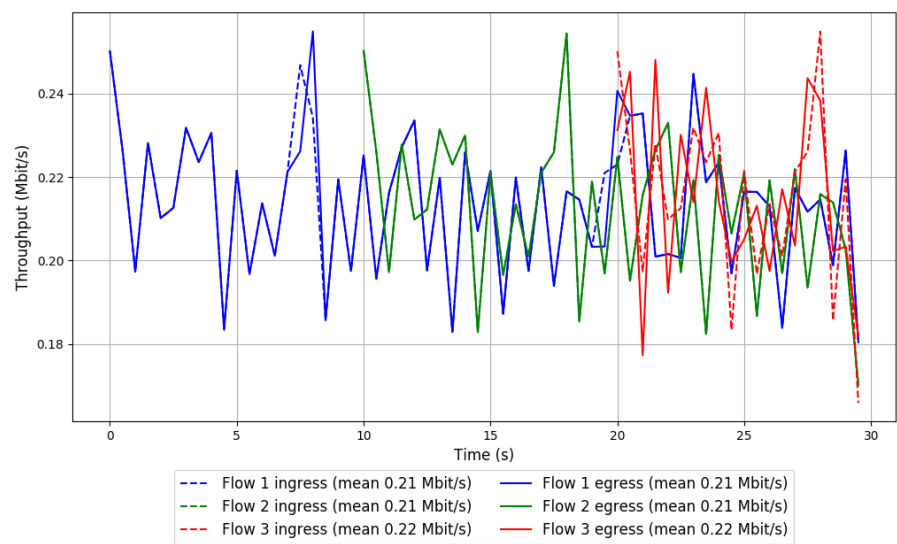


Run 2: Statistics of SReAM

Start at: 2018-03-13 17:58:02
End at: 2018-03-13 17:58:32
Local clock offset: 2.932 ms
Remote clock offset: -1.831 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.146 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

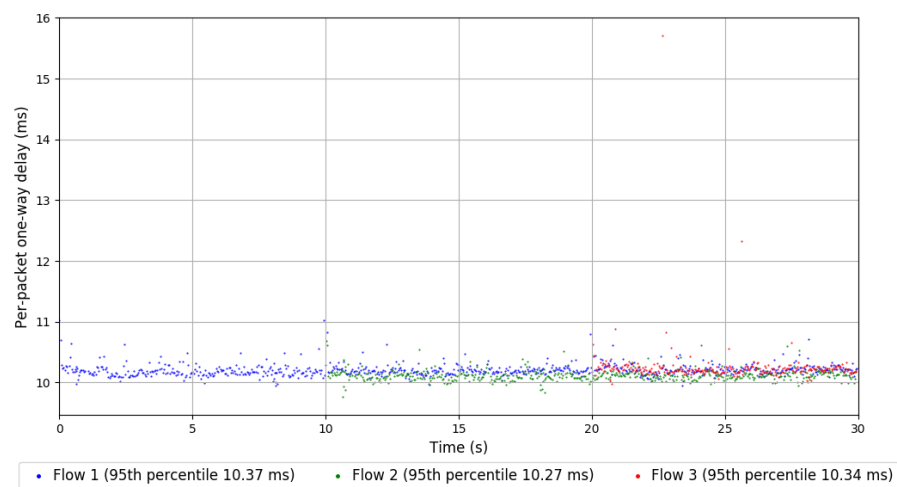
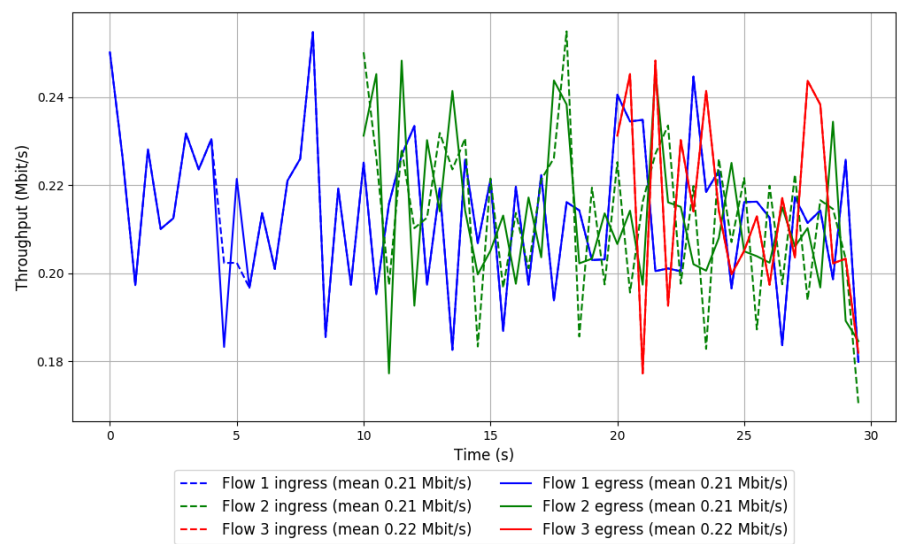


Run 3: Statistics of SReAM

Start at: 2018-03-13 18:19:09
End at: 2018-03-13 18:19:39
Local clock offset: 5.924 ms
Remote clock offset: -2.452 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.267 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.342 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-03-13 18:40:23

End at: 2018-03-13 18:40:53

Local clock offset: 5.193 ms

Remote clock offset: 4.609 ms

Below is generated by plot.py at 2018-03-13 21:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 10.588 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.557 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.614 ms

Loss rate: 0.00%

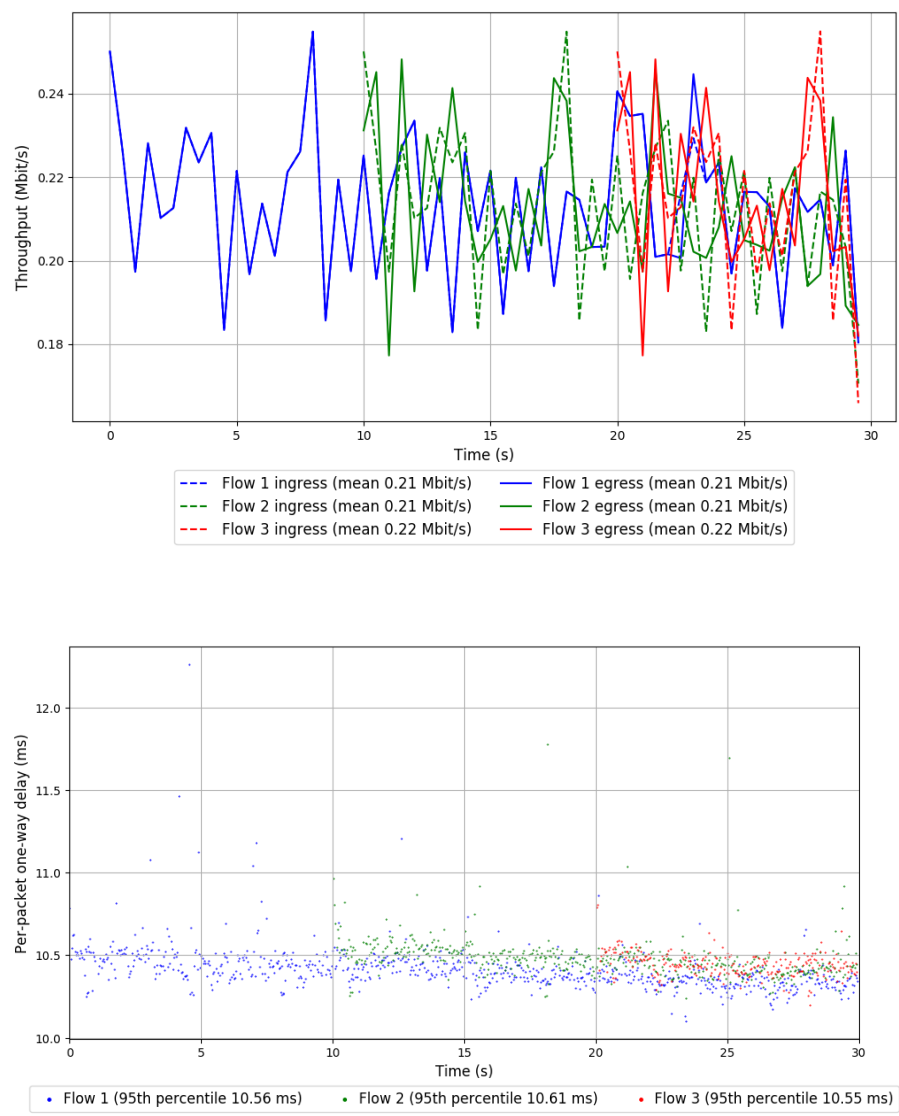
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 10.548 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

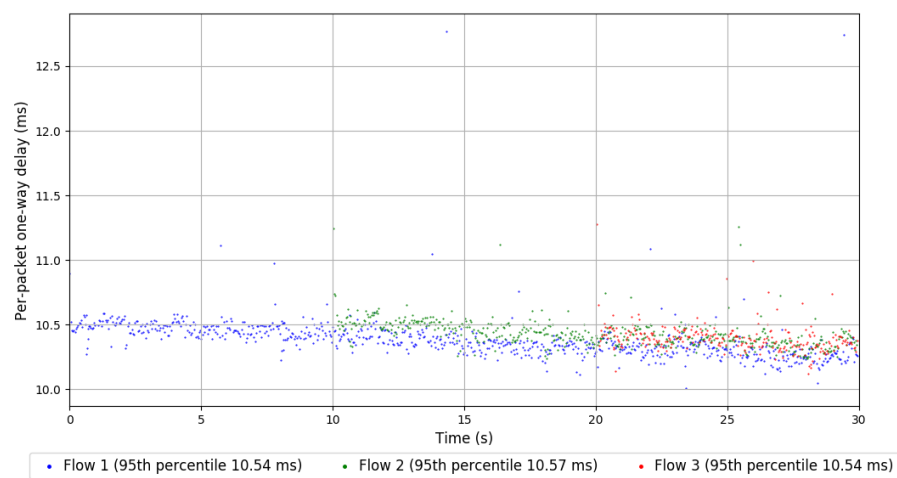
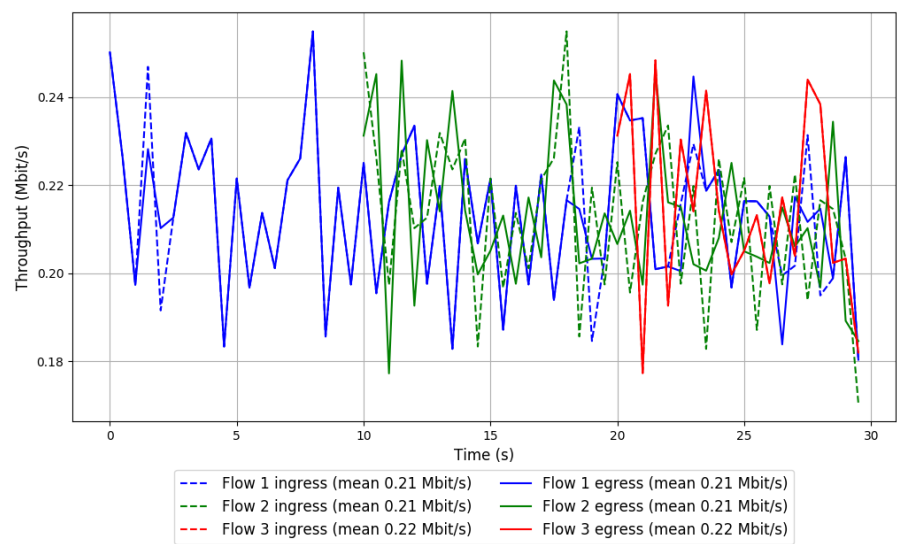


Run 5: Statistics of SReAM

Start at: 2018-03-13 19:01:40
End at: 2018-03-13 19:02:10
Local clock offset: 4.825 ms
Remote clock offset: 10.014 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.574 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.539 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

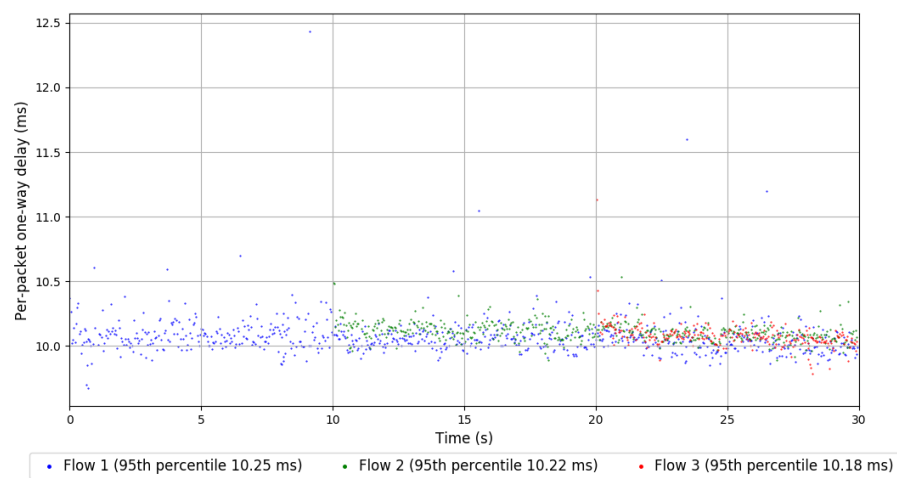
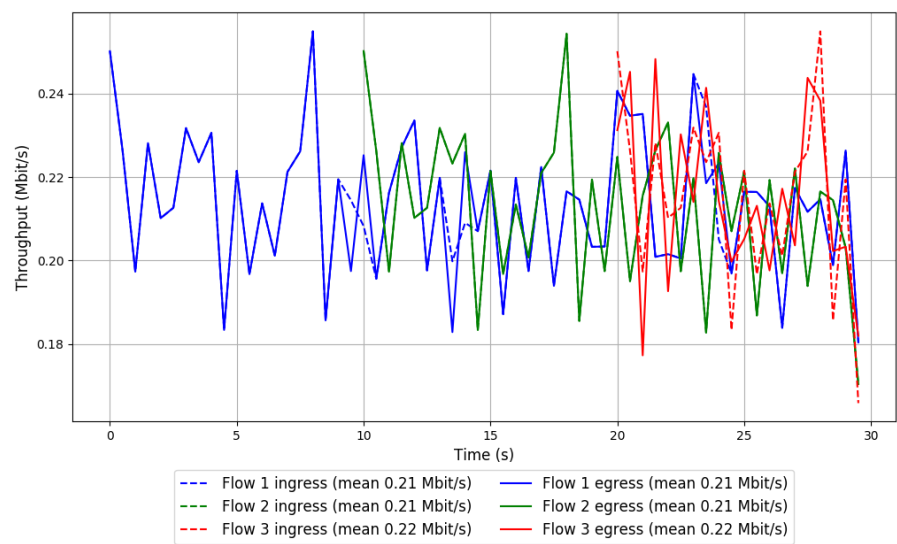


Run 6: Statistics of SReAM

Start at: 2018-03-13 19:22:47
End at: 2018-03-13 19:23:17
Local clock offset: 5.584 ms
Remote clock offset: 16.726 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.220 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.178 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

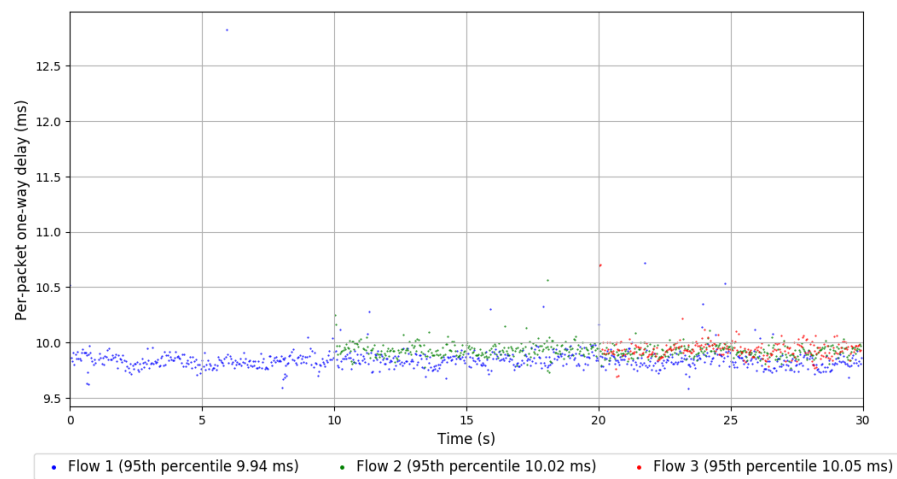
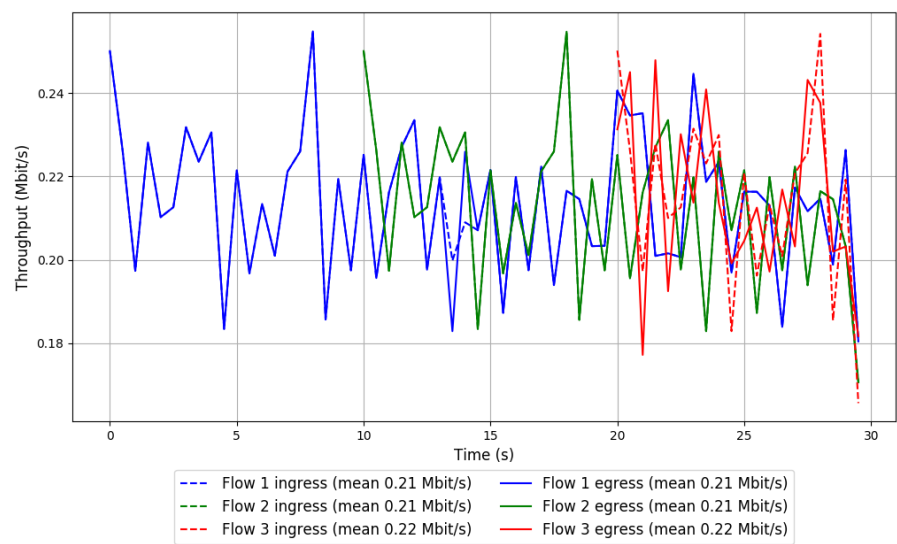


Run 7: Statistics of SReAM

Start at: 2018-03-13 19:43:59
End at: 2018-03-13 19:44:29
Local clock offset: 5.009 ms
Remote clock offset: 16.835 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.943 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.047 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

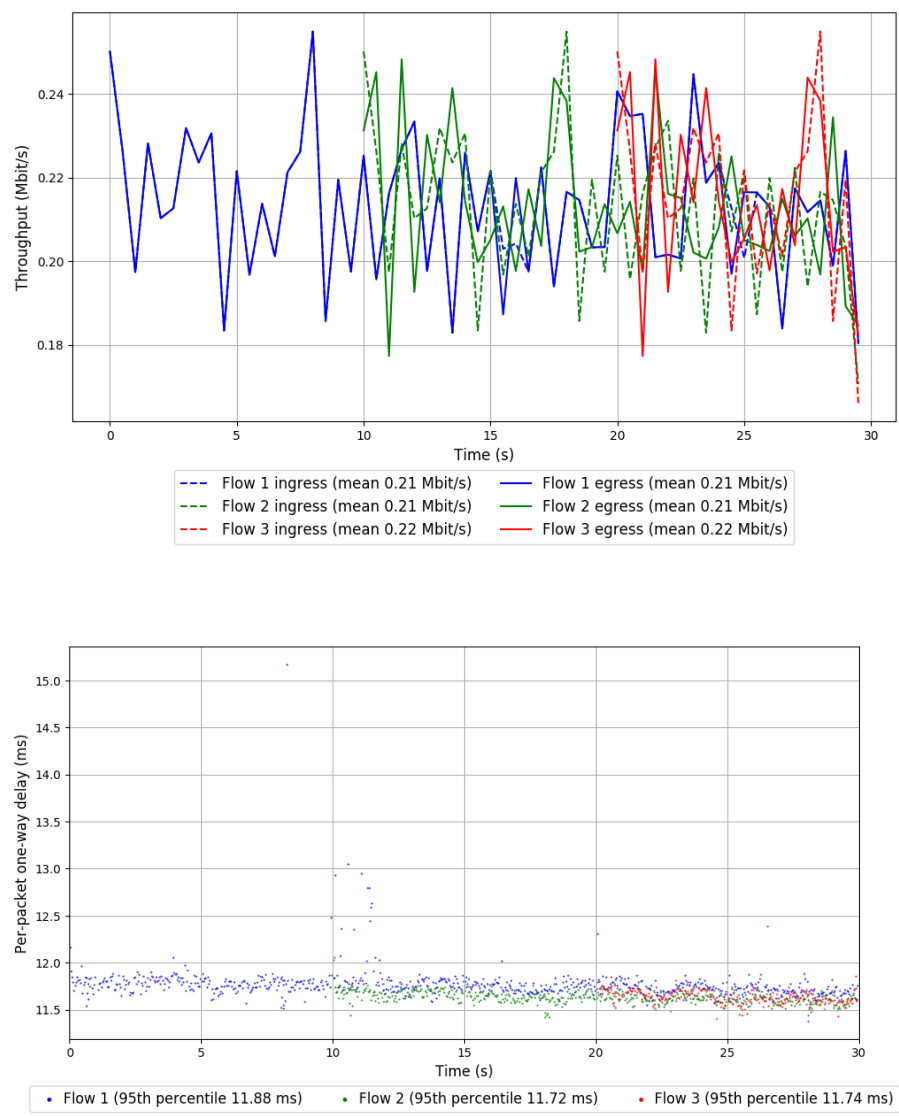


Run 8: Statistics of SReAM

Start at: 2018-03-13 20:05:19
End at: 2018-03-13 20:05:49
Local clock offset: 1.106 ms
Remote clock offset: 18.095 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.723 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.739 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

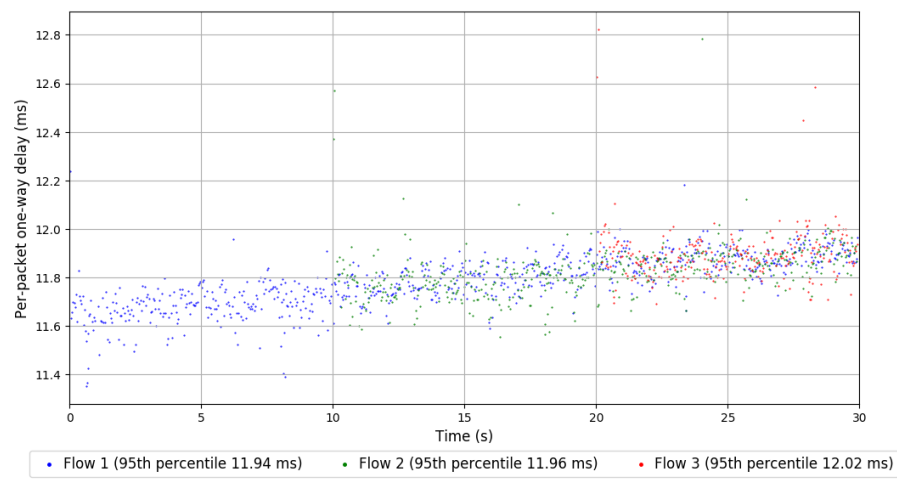
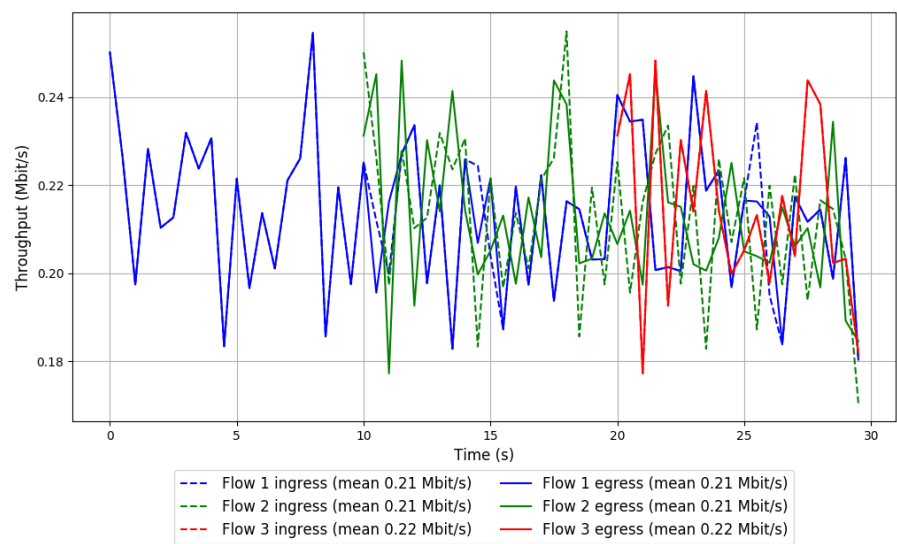


Run 9: Statistics of SReAM

Start at: 2018-03-13 20:26:50
End at: 2018-03-13 20:27:20
Local clock offset: 2.28 ms
Remote clock offset: -1.414 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.937 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.016 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

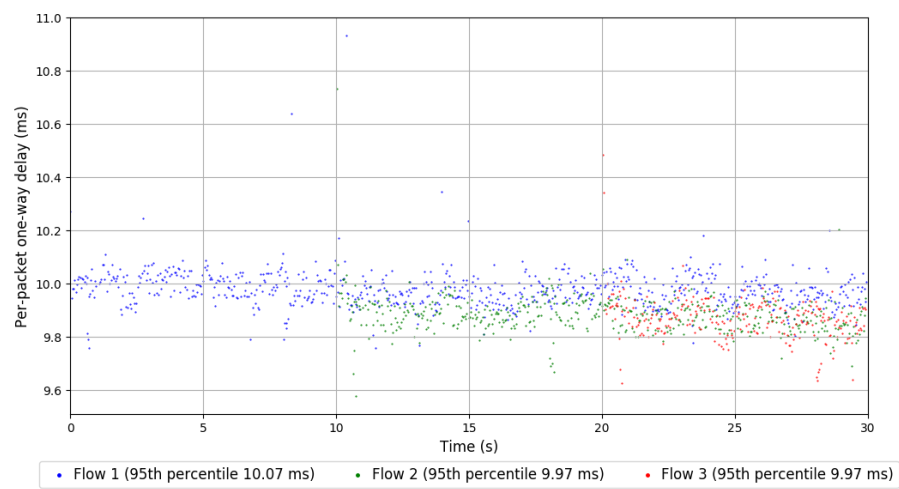
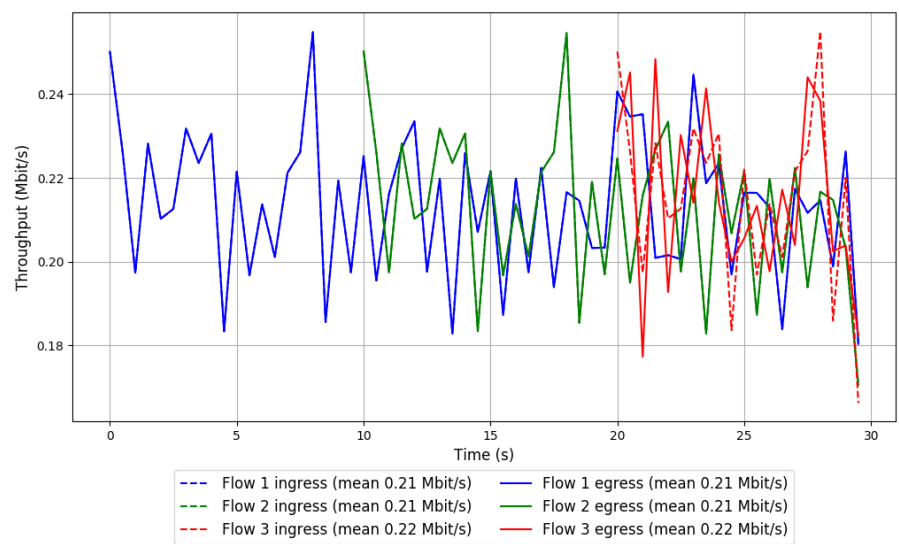


Run 10: Statistics of SReAM

Start at: 2018-03-13 20:48:49
End at: 2018-03-13 20:49:19
Local clock offset: 4.9 ms
Remote clock offset: -4.213 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.070 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.970 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

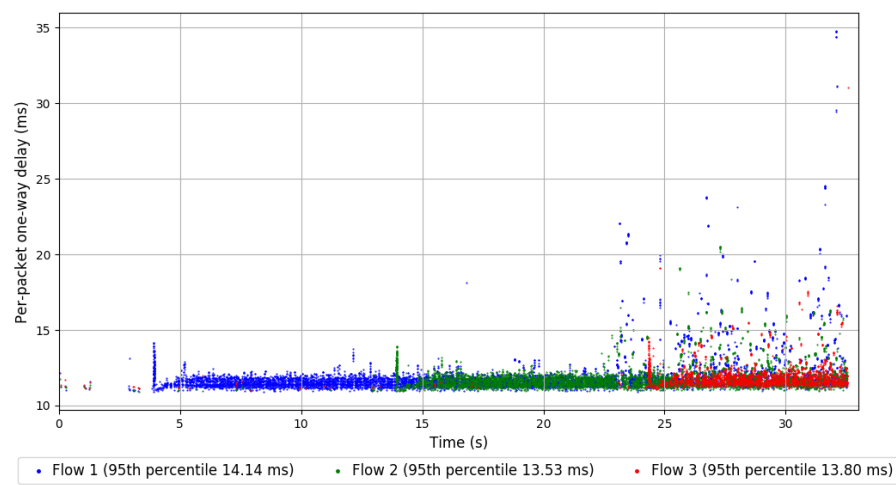
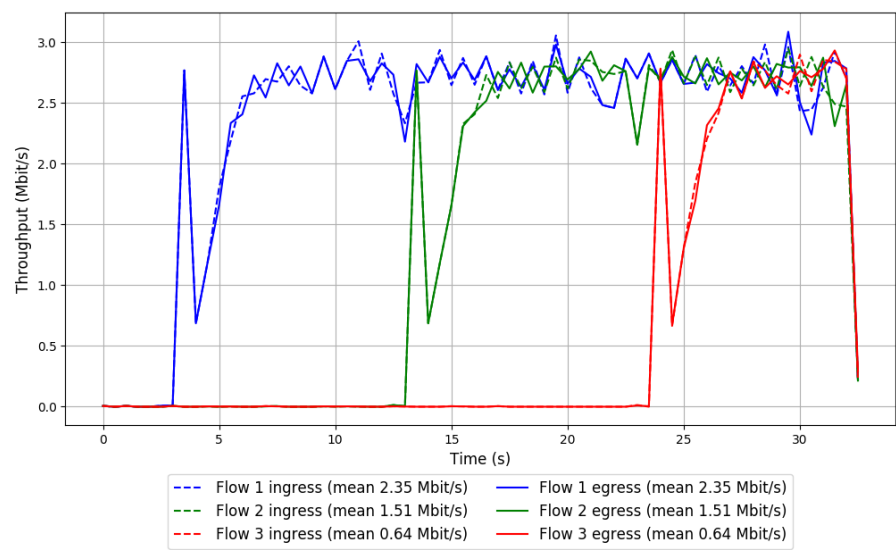


Run 1: Statistics of WebRTC media

Start at: 2018-03-13 17:47:20
End at: 2018-03-13 17:47:50
Local clock offset: 3.253 ms
Remote clock offset: -1.419 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 13.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 14.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 13.531 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 13.802 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

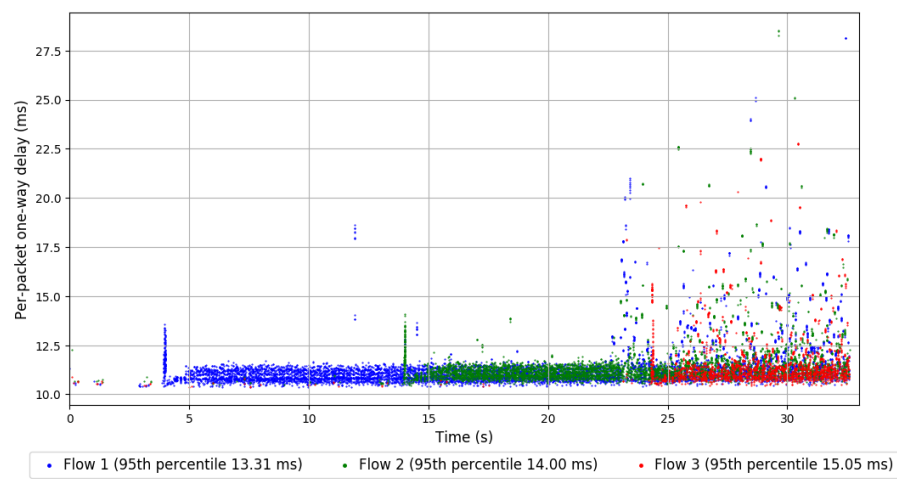
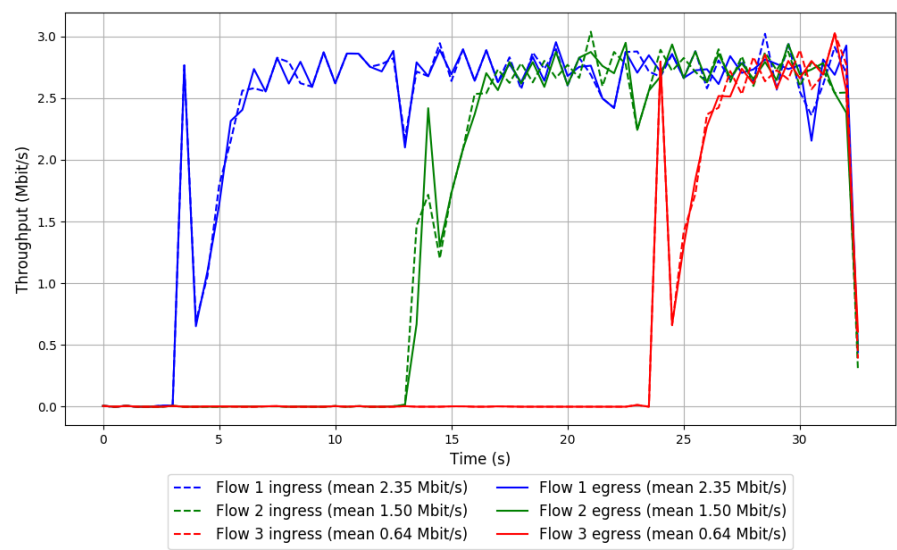


Run 2: Statistics of WebRTC media

Start at: 2018-03-13 18:08:36
End at: 2018-03-13 18:09:06
Local clock offset: 3.763 ms
Remote clock offset: -3.022 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 13.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 13.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 13.999 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 15.047 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-03-13 18:29:49

End at: 2018-03-13 18:30:19

Local clock offset: 4.862 ms

Remote clock offset: 1.099 ms

Below is generated by plot.py at 2018-03-13 21:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 13.475 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 13.637 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 12.910 ms

Loss rate: 0.00%

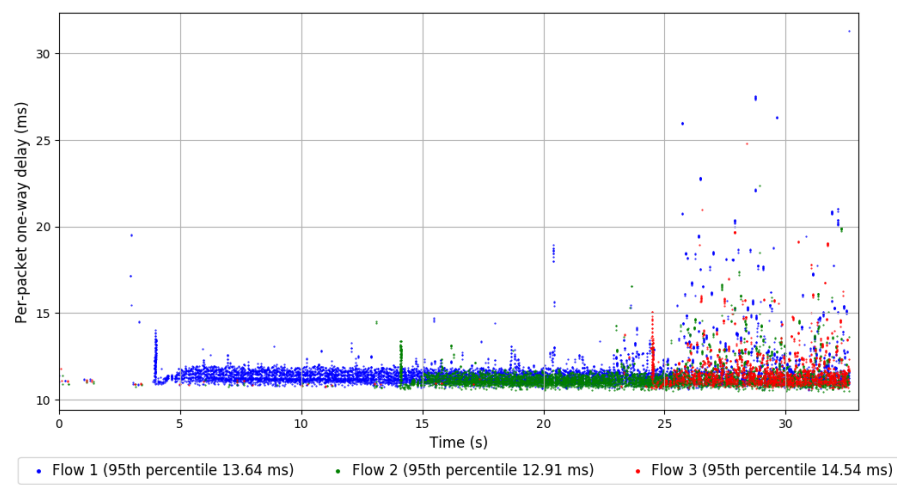
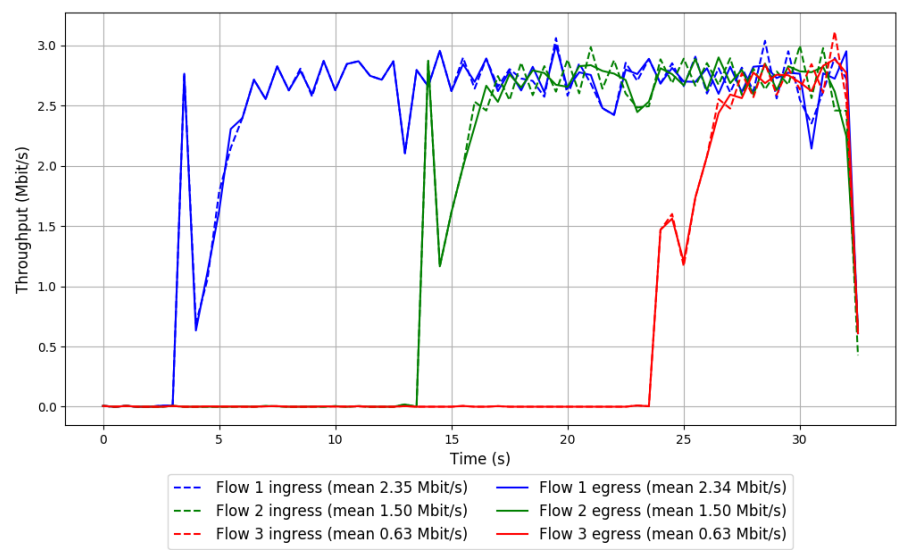
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 14.540 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-13 18:51:04

End at: 2018-03-13 18:51:34

Local clock offset: 4.121 ms

Remote clock offset: 6.811 ms

Below is generated by plot.py at 2018-03-13 21:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 13.854 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 13.801 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 13.607 ms

Loss rate: 0.00%

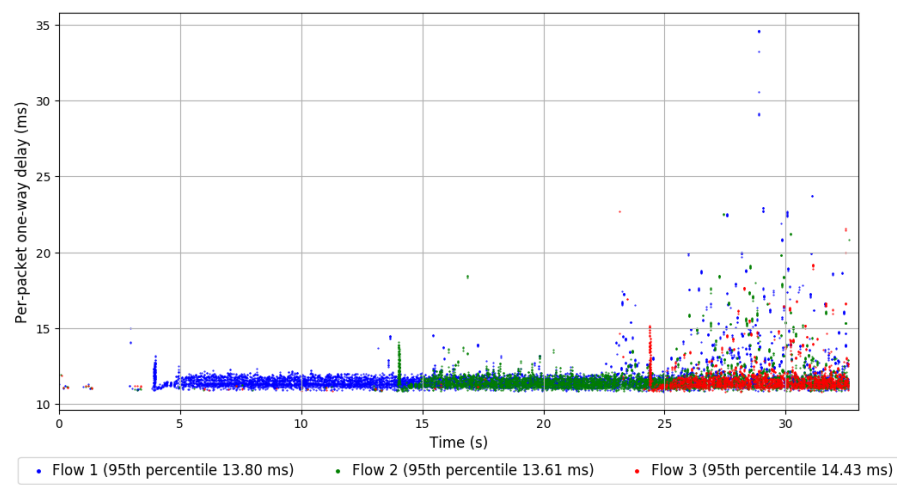
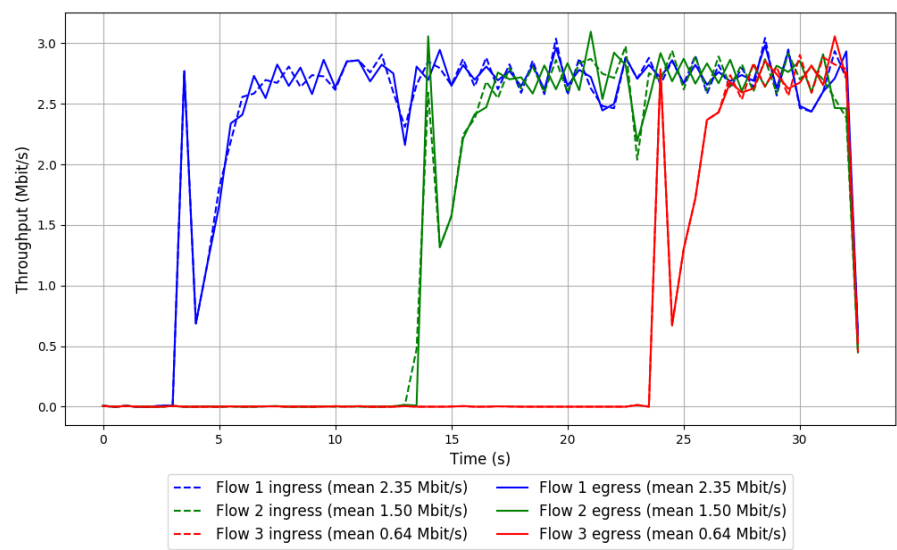
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 14.432 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

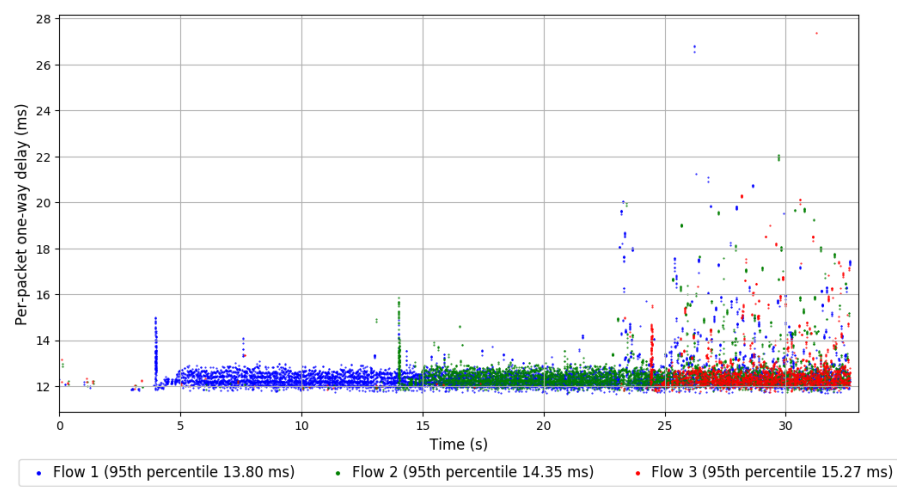
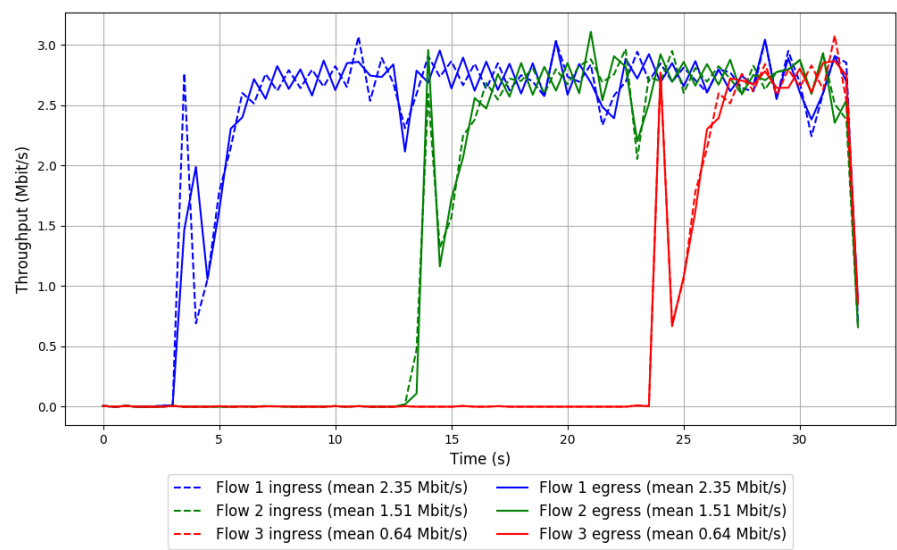


Run 5: Statistics of WebRTC media

Start at: 2018-03-13 19:12:14
End at: 2018-03-13 19:12:44
Local clock offset: 3.705 ms
Remote clock offset: 14.814 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 14.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 13.800 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 14.353 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 15.267 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

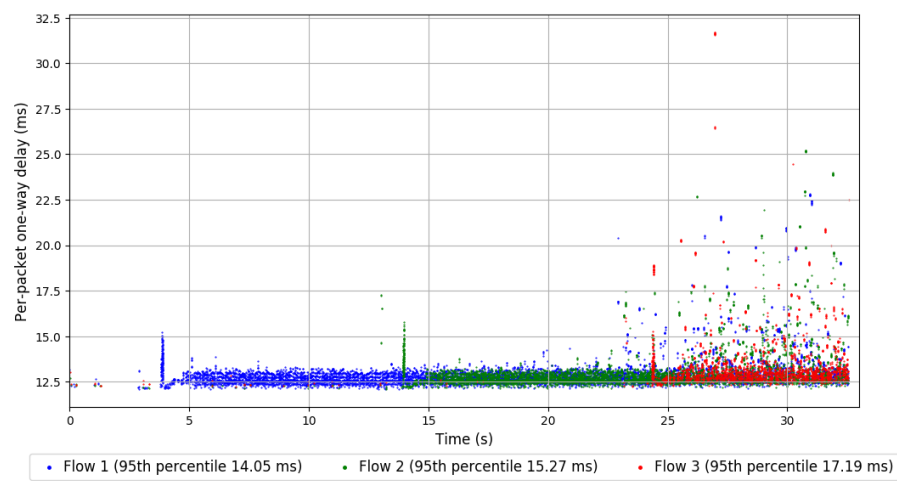
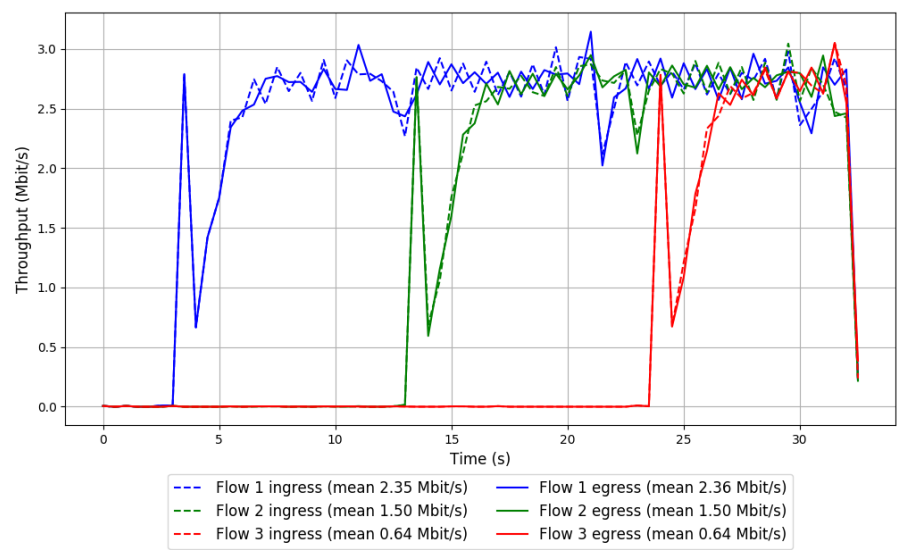


Run 6: Statistics of WebRTC media

Start at: 2018-03-13 19:33:20
End at: 2018-03-13 19:33:50
Local clock offset: 2.594 ms
Remote clock offset: 17.657 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 14.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 14.051 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 15.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 17.191 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

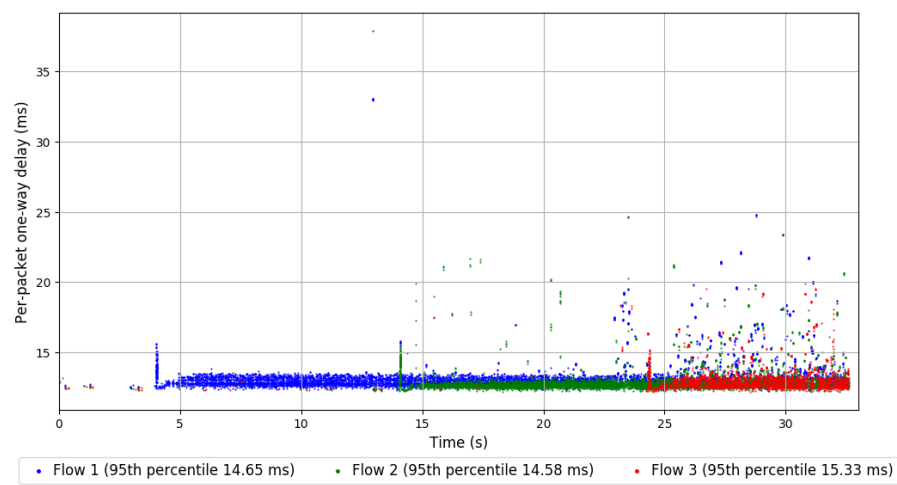
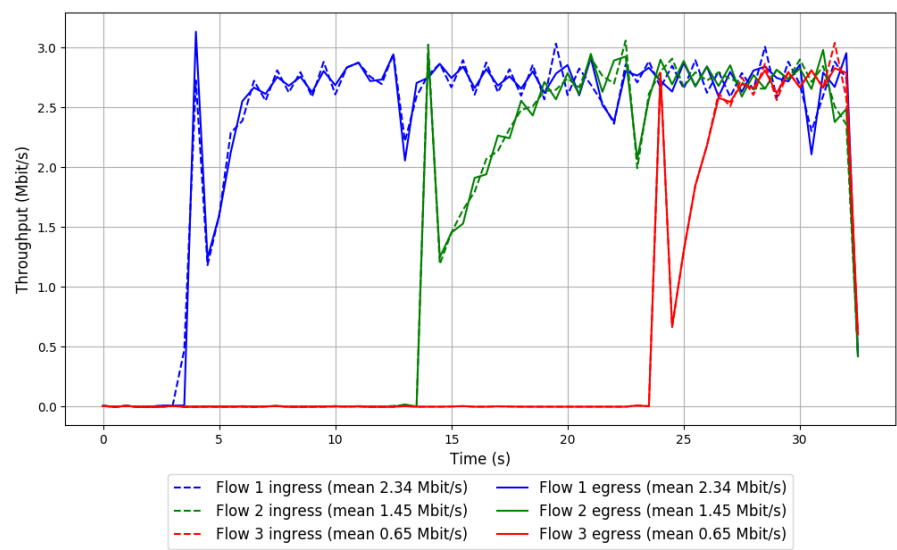


Run 7: Statistics of WebRTC media

Start at: 2018-03-13 19:54:36
End at: 2018-03-13 19:55:06
Local clock offset: 1.835 ms
Remote clock offset: 18.166 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 14.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 14.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 14.579 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 15.330 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-03-13 20:16:05

End at: 2018-03-13 20:16:35

Local clock offset: 1.282 ms

Remote clock offset: 5.091 ms

Below is generated by plot.py at 2018-03-13 21:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 14.718 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 14.922 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 13.870 ms

Loss rate: 0.00%

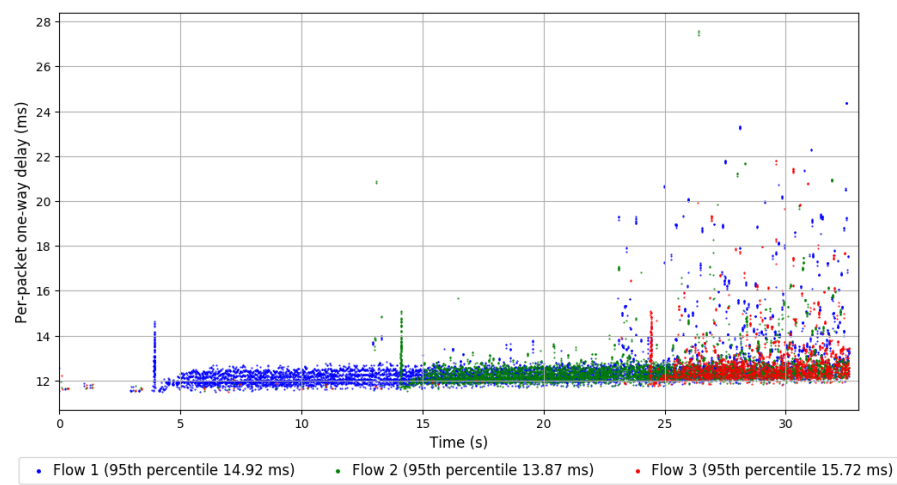
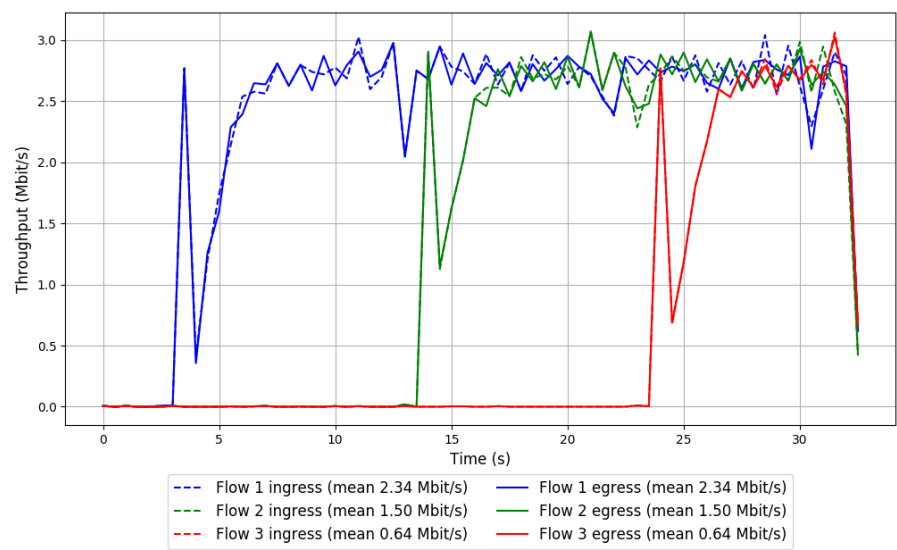
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 15.721 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

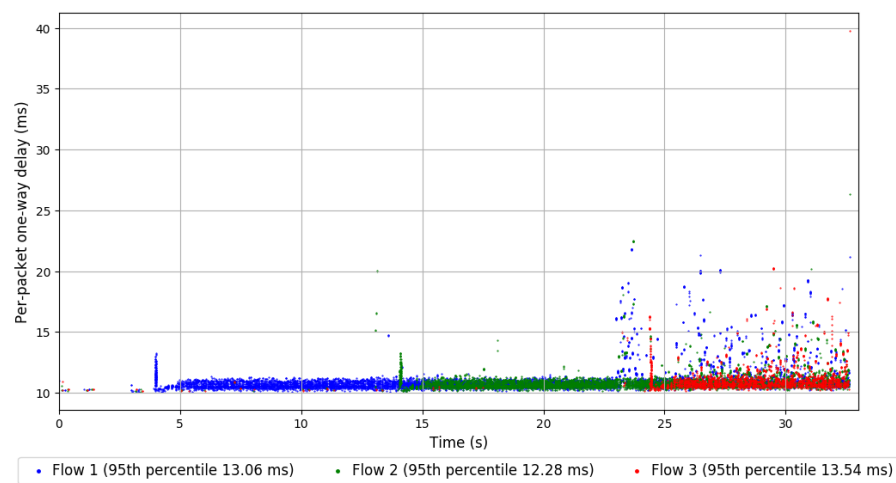
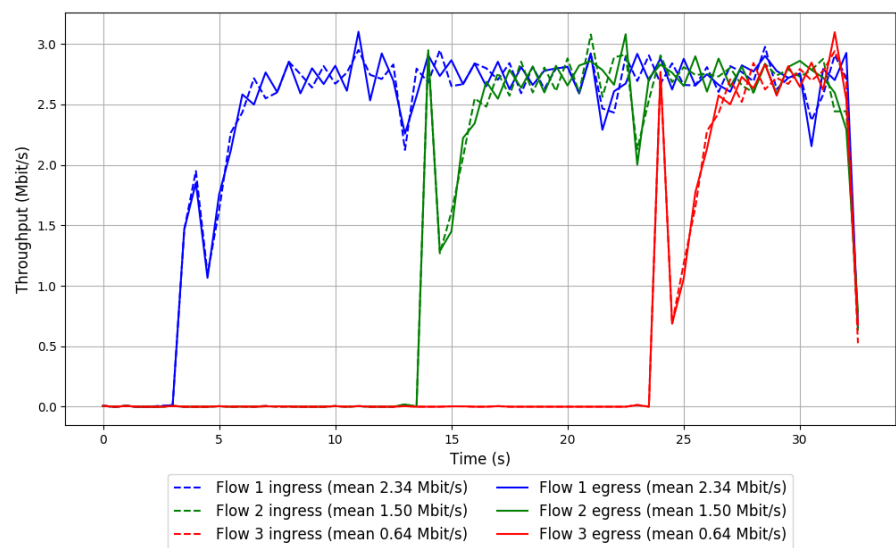


Run 9: Statistics of WebRTC media

Start at: 2018-03-13 20:37:46
End at: 2018-03-13 20:38:16
Local clock offset: 3.856 ms
Remote clock offset: -5.291 ms

```
# Below is generated by plot.py at 2018-03-13 21:52:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 12.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 13.056 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 12.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 13.543 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

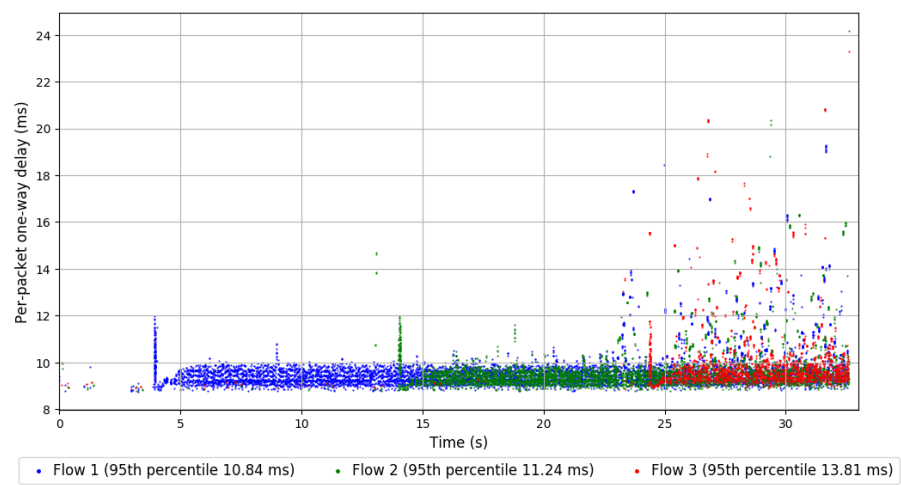
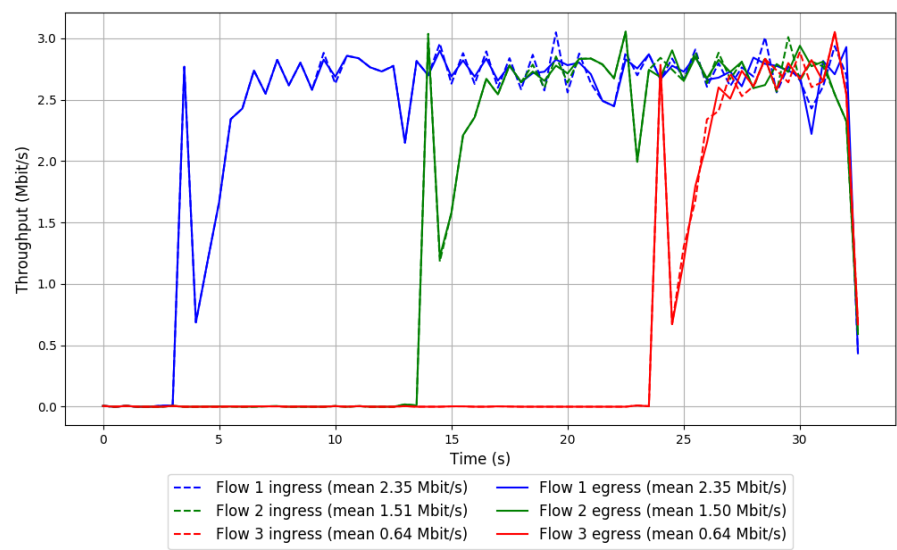


Run 10: Statistics of WebRTC media

Start at: 2018-03-13 20:59:30
End at: 2018-03-13 21:00:00
Local clock offset: 5.875 ms
Remote clock offset: -4.049 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 11.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 10.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 11.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 13.812 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

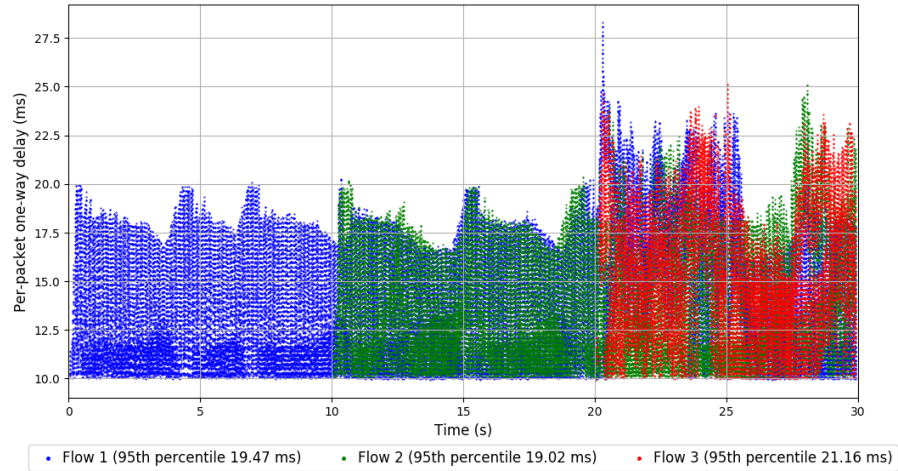
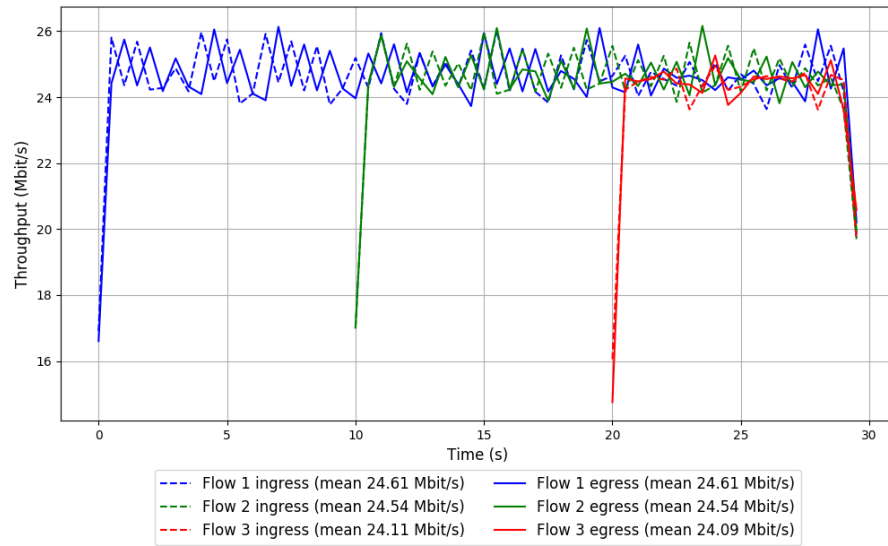


Run 1: Statistics of Sprout

Start at: 2018-03-13 17:55:43
End at: 2018-03-13 17:56:13
Local clock offset: 4.536 ms
Remote clock offset: -1.633 ms

Below is generated by plot.py at 2018-03-13 21:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 19.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 19.469 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 19.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 21.155 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

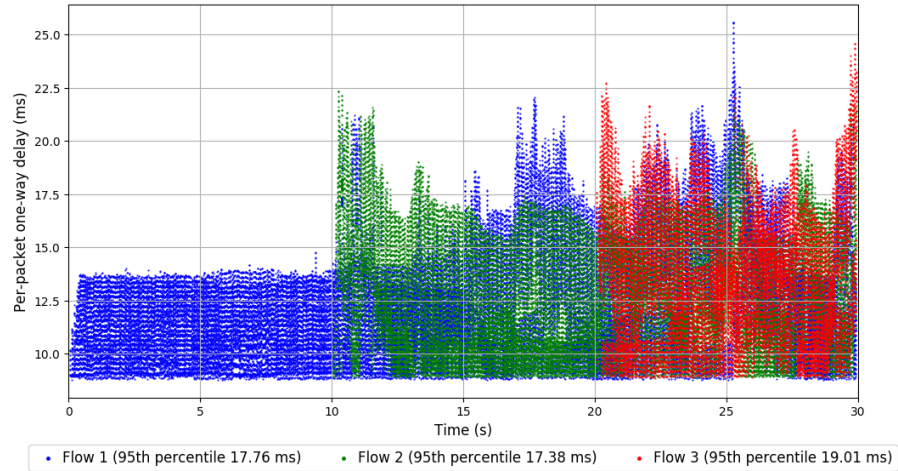
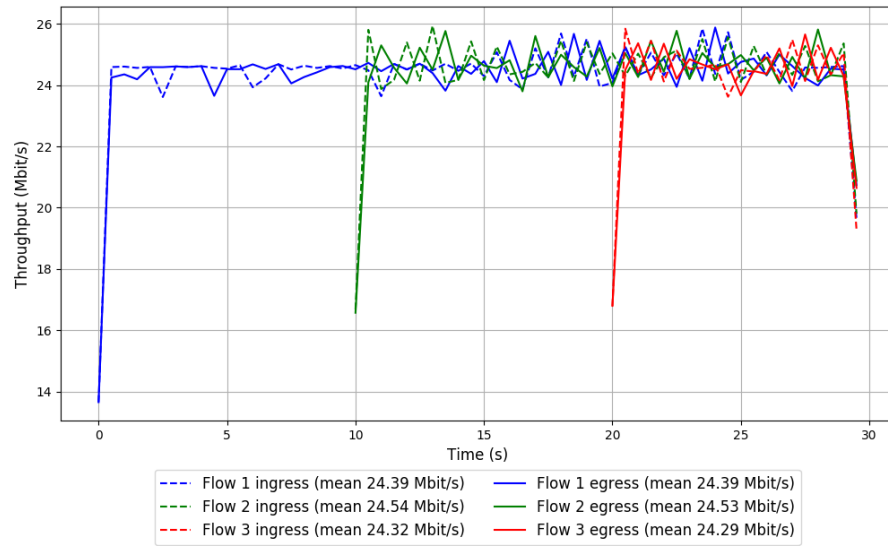


Run 2: Statistics of Sprout

Start at: 2018-03-13 18:16:50
End at: 2018-03-13 18:17:20
Local clock offset: 6.705 ms
Remote clock offset: -2.702 ms

```
# Below is generated by plot.py at 2018-03-13 21:52:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 17.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 17.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 17.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.00%
```


Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-03-13 18:38:01

End at: 2018-03-13 18:38:31

Local clock offset: 7.134 ms

Remote clock offset: 5.145 ms

Below is generated by plot.py at 2018-03-13 21:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.55 Mbit/s

95th percentile per-packet one-way delay: 20.506 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.44 Mbit/s

95th percentile per-packet one-way delay: 19.602 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 20.932 ms

Loss rate: 0.00%

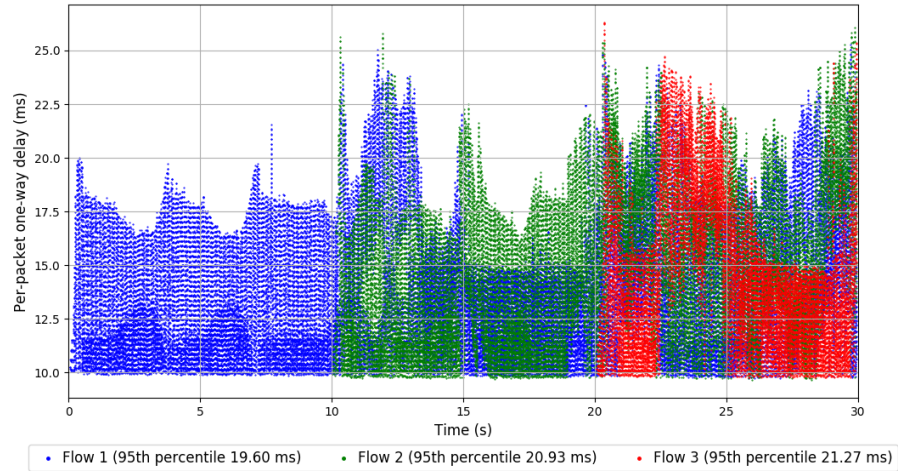
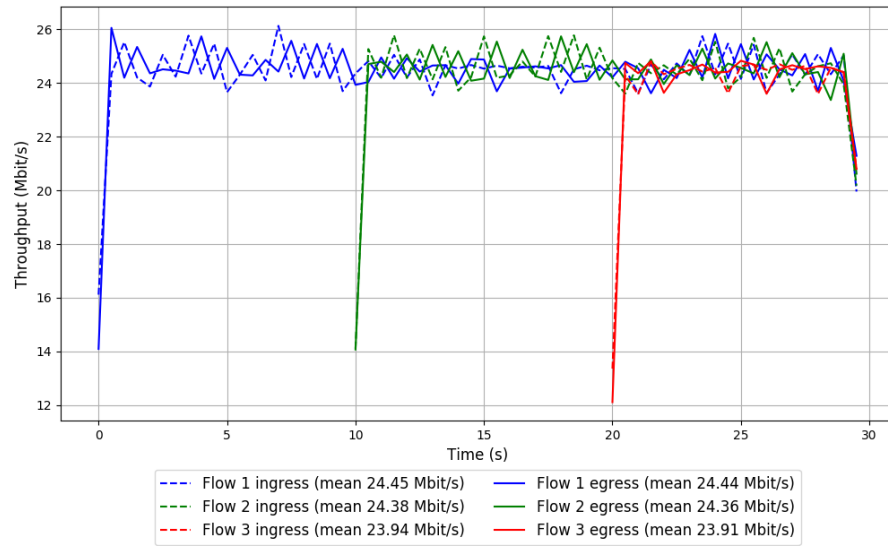
-- Flow 3:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 21.275 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

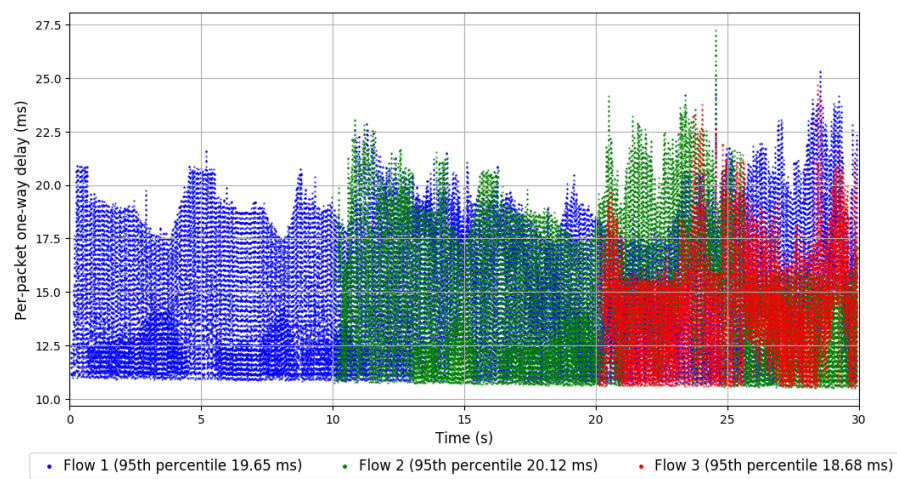
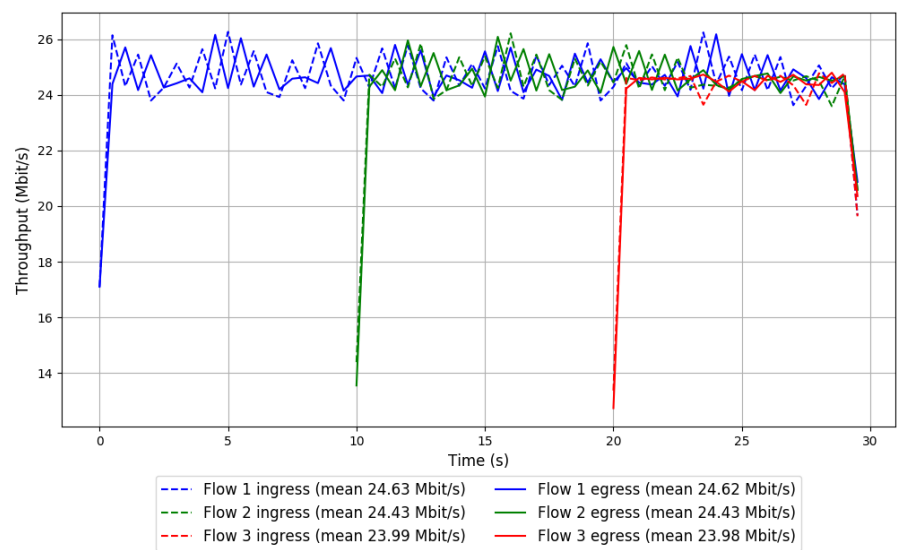


Run 4: Statistics of Sprout

Start at: 2018-03-13 18:59:21
End at: 2018-03-13 18:59:51
Local clock offset: 3.564 ms
Remote clock offset: 7.764 ms

```
# Below is generated by plot.py at 2018-03-13 21:52:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 19.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 19.650 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 20.123 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 18.676 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

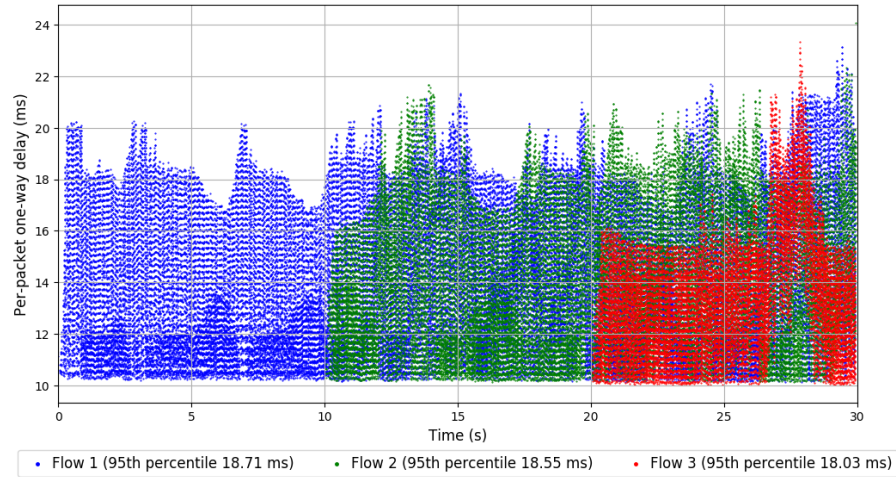
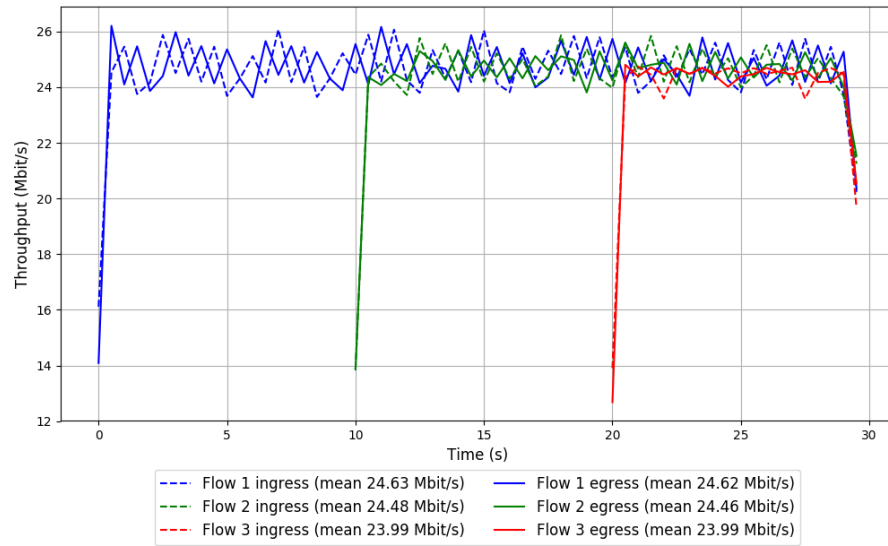


Run 5: Statistics of Sprout

Start at: 2018-03-13 19:20:29
End at: 2018-03-13 19:20:59
Local clock offset: 5.701 ms
Remote clock offset: 16.575 ms

```
# Below is generated by plot.py at 2018-03-13 21:52:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 18.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 18.710 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 18.554 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 18.031 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

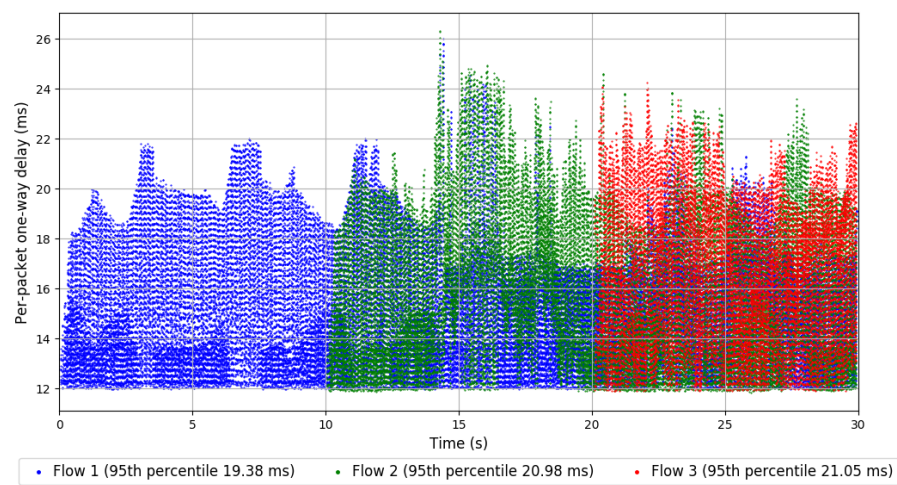
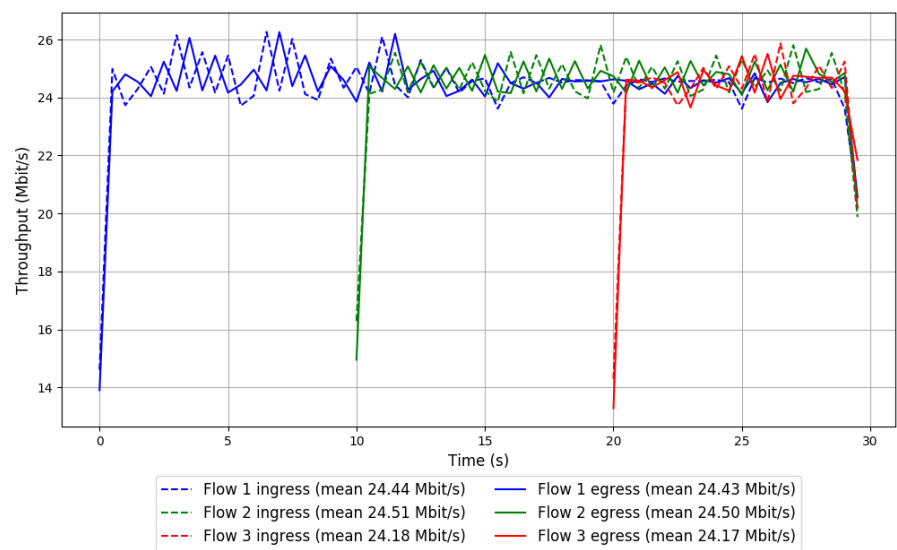


Run 6: Statistics of Sprout

Start at: 2018-03-13 19:41:39
End at: 2018-03-13 19:42:09
Local clock offset: 3.817 ms
Remote clock offset: 17.844 ms

```
# Below is generated by plot.py at 2018-03-13 21:52:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 20.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 19.375 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 20.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 21.050 ms
Loss rate: 0.00%
```


Run 6: Report of Sprout — Data Link

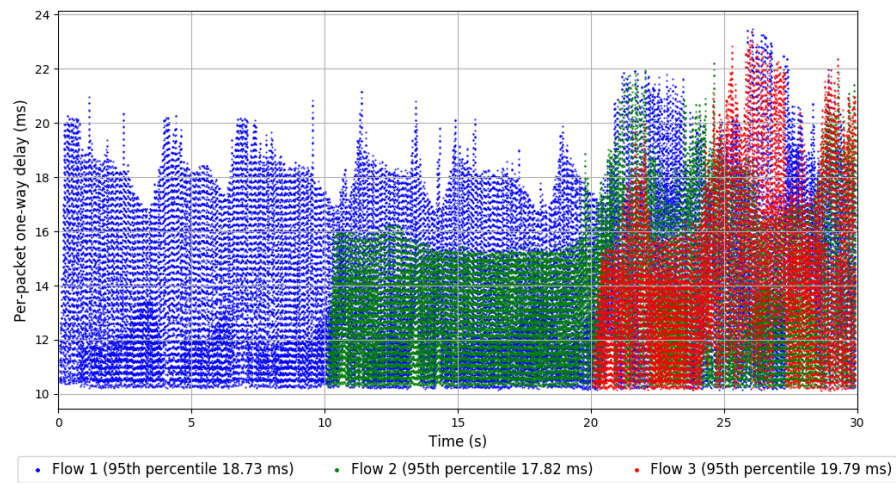
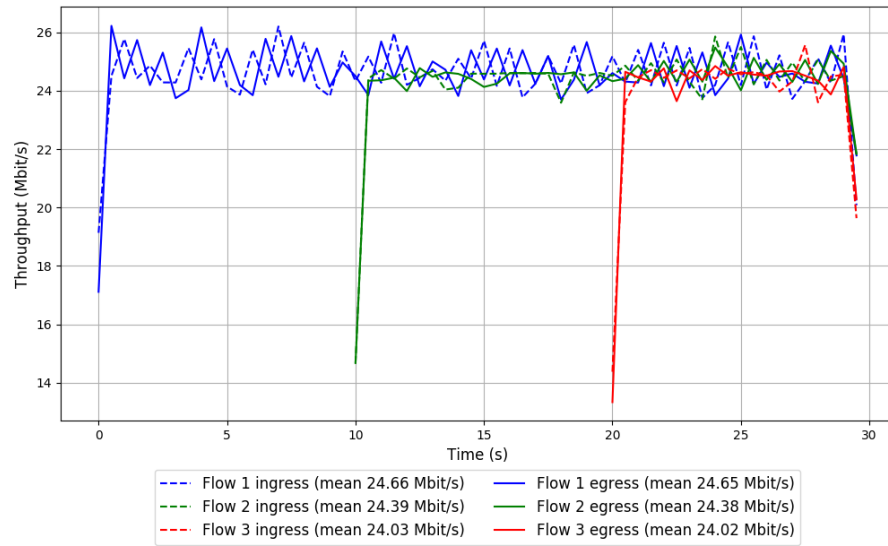


Run 7: Statistics of Sprout

Start at: 2018-03-13 20:03:00
End at: 2018-03-13 20:03:30
Local clock offset: 3.059 ms
Remote clock offset: 18.328 ms

```
# Below is generated by plot.py at 2018-03-13 21:52:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 18.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 18.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 17.825 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 19.793 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

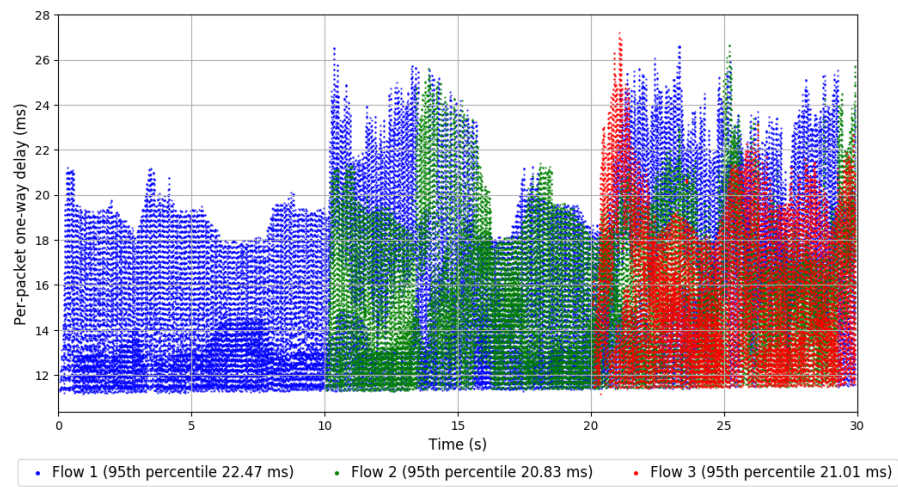
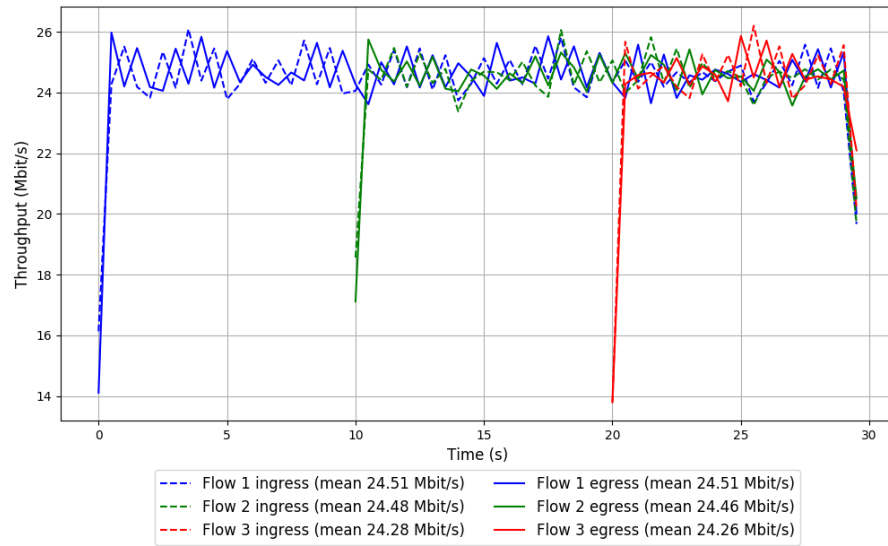


Run 8: Statistics of Sprout

Start at: 2018-03-13 20:24:31
End at: 2018-03-13 20:25:01
Local clock offset: 2.597 ms
Remote clock offset: -0.146 ms

```
# Below is generated by plot.py at 2018-03-13 21:52:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 21.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 22.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 20.828 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 21.011 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

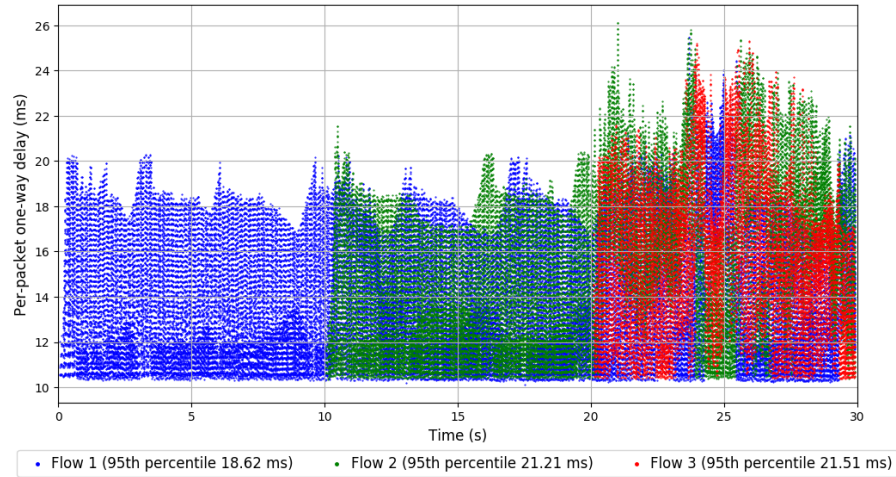
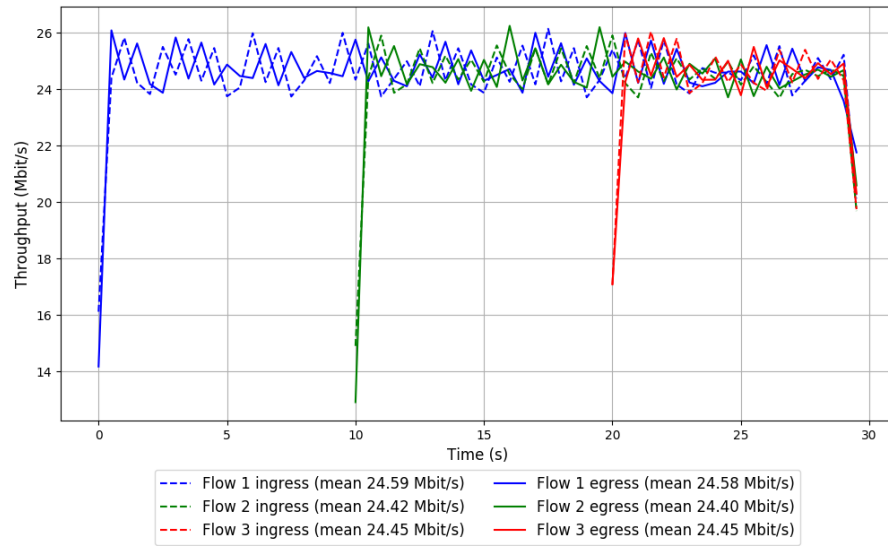


Run 9: Statistics of Sprout

Start at: 2018-03-13 20:46:30
End at: 2018-03-13 20:47:00
Local clock offset: 4.468 ms
Remote clock offset: -4.316 ms

Below is generated by plot.py at 2018-03-13 21:52:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 20.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 18.622 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 21.208 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 21.508 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

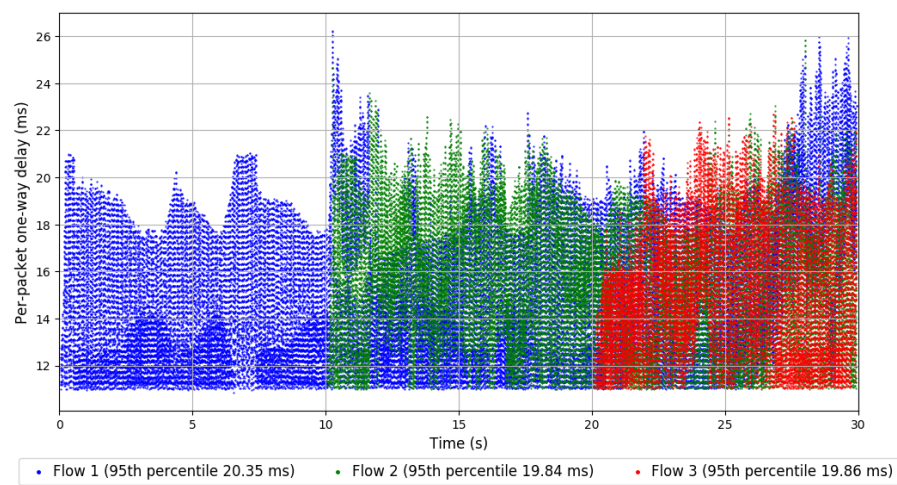
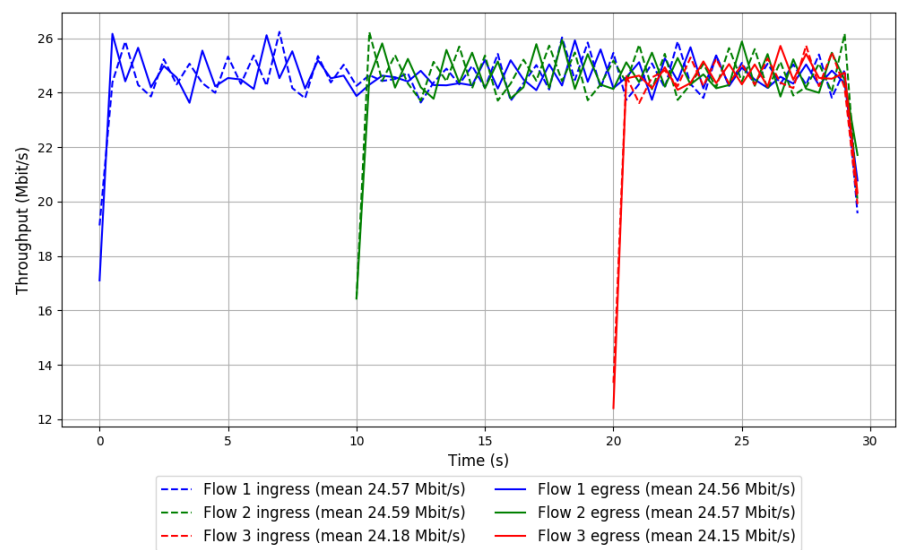


Run 10: Statistics of Sprout

Start at: 2018-03-13 21:07:43
End at: 2018-03-13 21:08:13
Local clock offset: 3.09 ms
Remote clock offset: -5.253 ms

```
# Below is generated by plot.py at 2018-03-13 21:52:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 20.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 20.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 19.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 19.863 ms
Loss rate: 0.00%
```


Run 10: Report of Sprout — Data Link

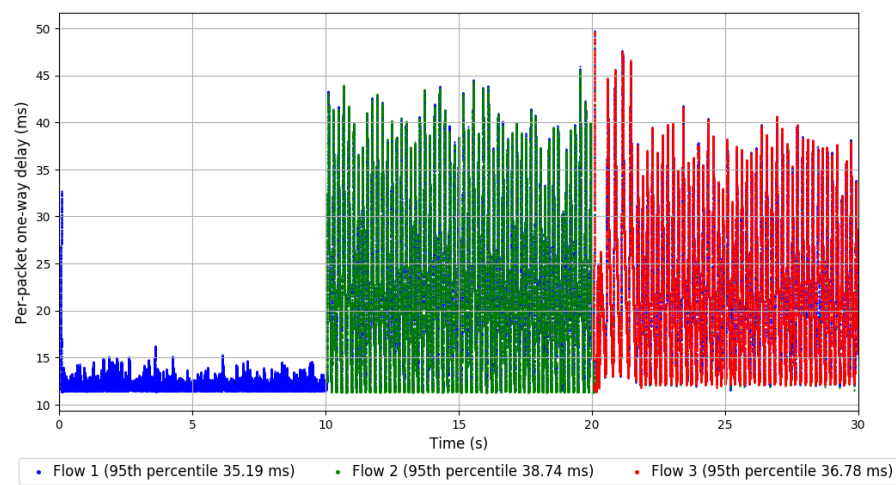
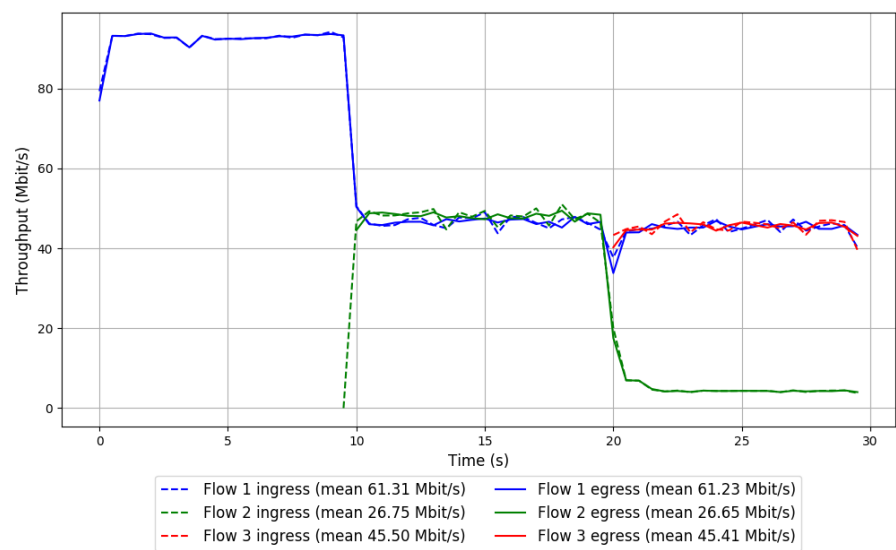


Run 1: Statistics of TaoVA-100x

Start at: 2018-03-13 17:50:55
End at: 2018-03-13 17:51:25
Local clock offset: 3.646 ms
Remote clock offset: -1.042 ms

Below is generated by plot.py at 2018-03-13 21:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 36.613 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 35.188 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 38.741 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 45.41 Mbit/s
95th percentile per-packet one-way delay: 36.779 ms
Loss rate: 0.20%

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

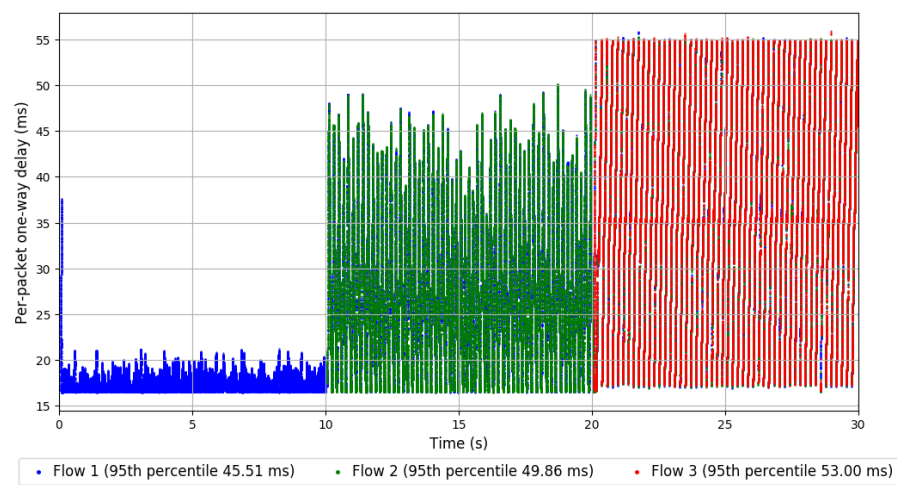
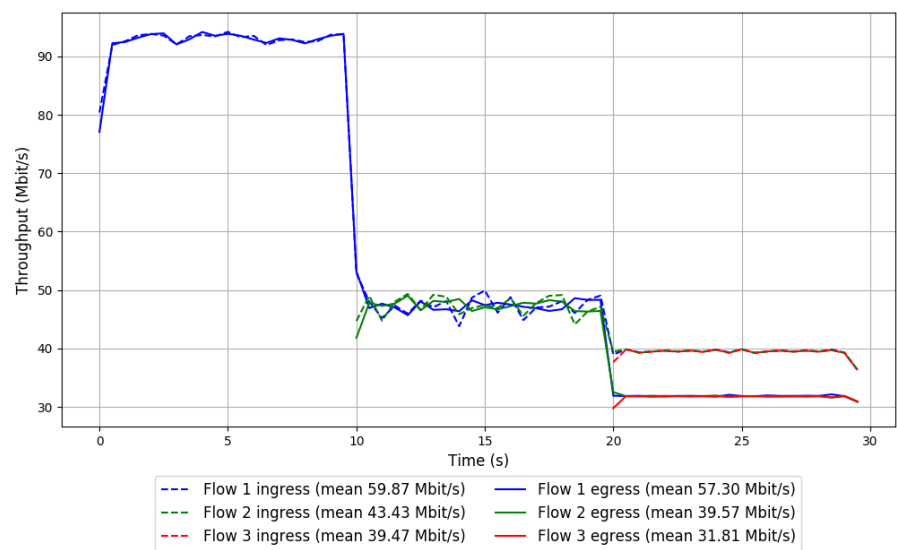


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-13 18:12:04
End at: 2018-03-13 18:12:34
Local clock offset: -1.518 ms
Remote clock offset: -2.937 ms

Below is generated by plot.py at 2018-03-13 21:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 49.003 ms
Loss rate: 7.51%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 45.506 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 49.859 ms
Loss rate: 8.85%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 52.998 ms
Loss rate: 19.37%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-13 18:33:16

End at: 2018-03-13 18:33:46

Local clock offset: 6.031 ms

Remote clock offset: 2.416 ms

Below is generated by plot.py at 2018-03-13 21:54:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 35.987 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 61.39 Mbit/s

95th percentile per-packet one-way delay: 34.611 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 26.31 Mbit/s

95th percentile per-packet one-way delay: 38.675 ms

Loss rate: 0.35%

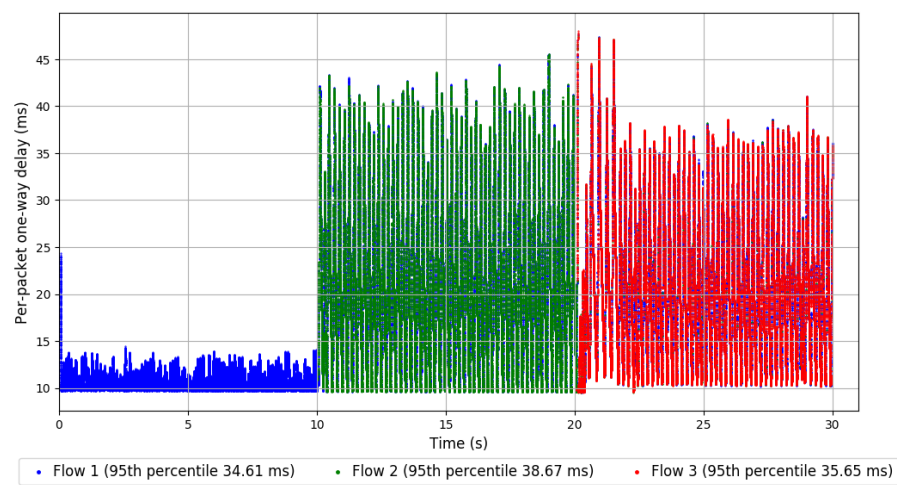
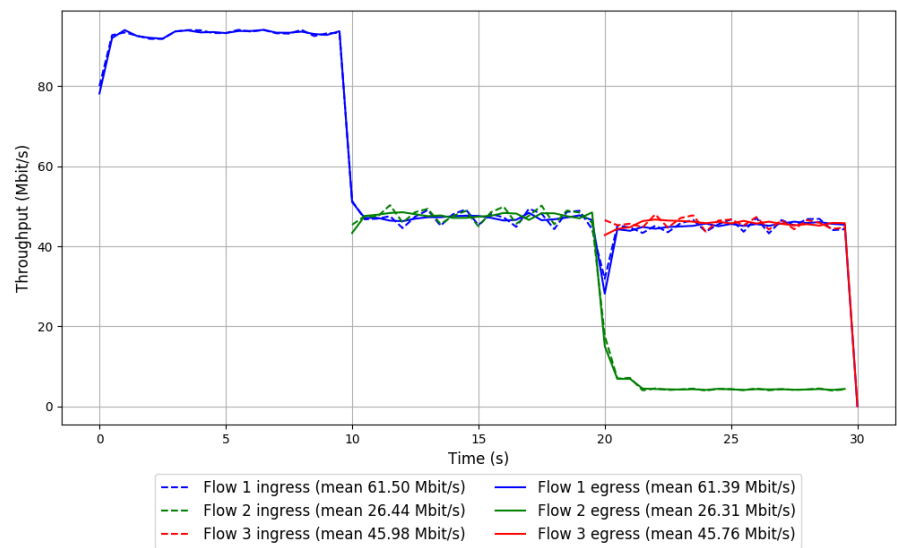
-- Flow 3:

Average throughput: 45.76 Mbit/s

95th percentile per-packet one-way delay: 35.650 ms

Loss rate: 0.27%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-03-13 18:54:33

End at: 2018-03-13 18:55:03

Local clock offset: 4.963 ms

Remote clock offset: 7.096 ms

Below is generated by plot.py at 2018-03-13 21:54:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.93 Mbit/s

95th percentile per-packet one-way delay: 42.534 ms

Loss rate: 7.44%

-- Flow 1:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 39.473 ms

Loss rate: 4.24%

-- Flow 2:

Average throughput: 39.86 Mbit/s

95th percentile per-packet one-way delay: 43.433 ms

Loss rate: 8.65%

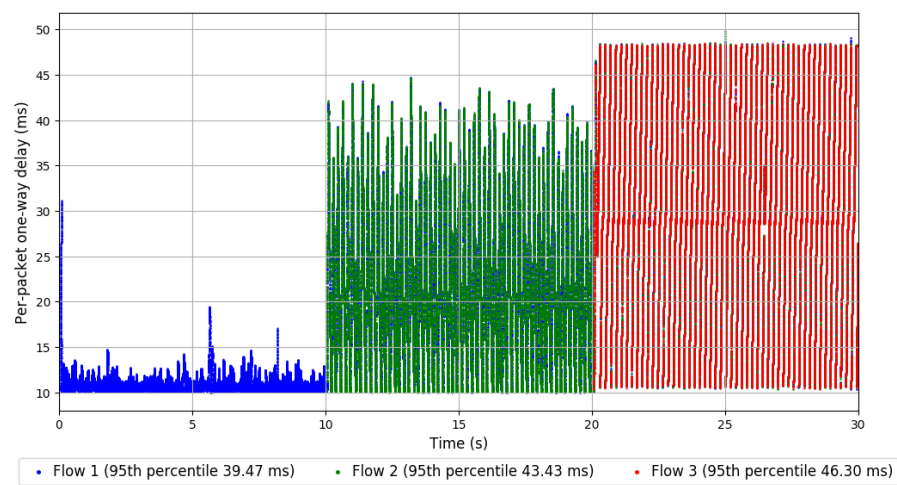
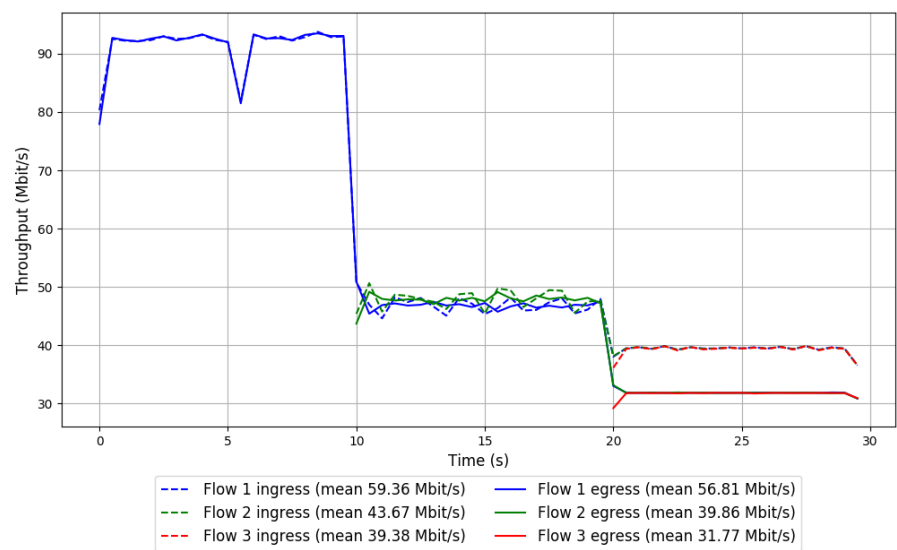
-- Flow 3:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 46.301 ms

Loss rate: 19.24%

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

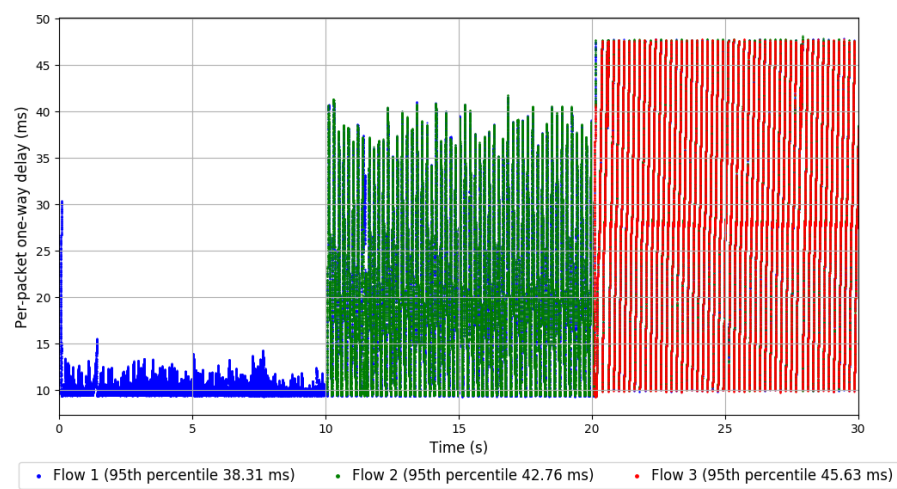
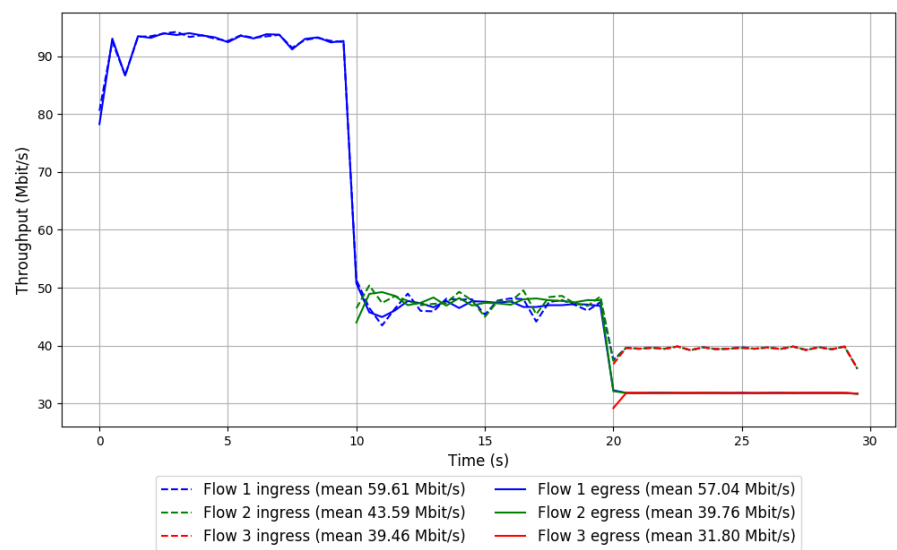


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-13 19:15:42
End at: 2018-03-13 19:16:12
Local clock offset: 3.979 ms
Remote clock offset: 13.216 ms

Below is generated by plot.py at 2018-03-13 21:55:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 41.777 ms
Loss rate: 7.42%
-- Flow 1:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: 38.309 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 42.764 ms
Loss rate: 8.65%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 45.626 ms
Loss rate: 19.24%

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

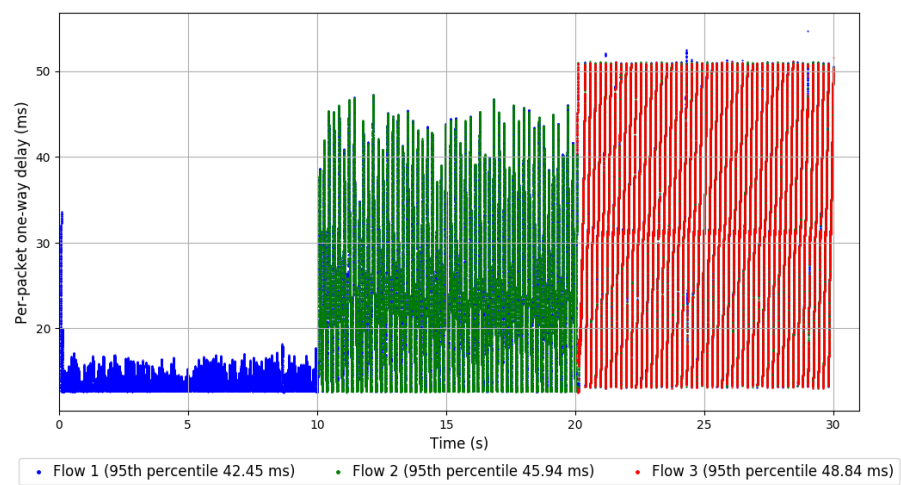
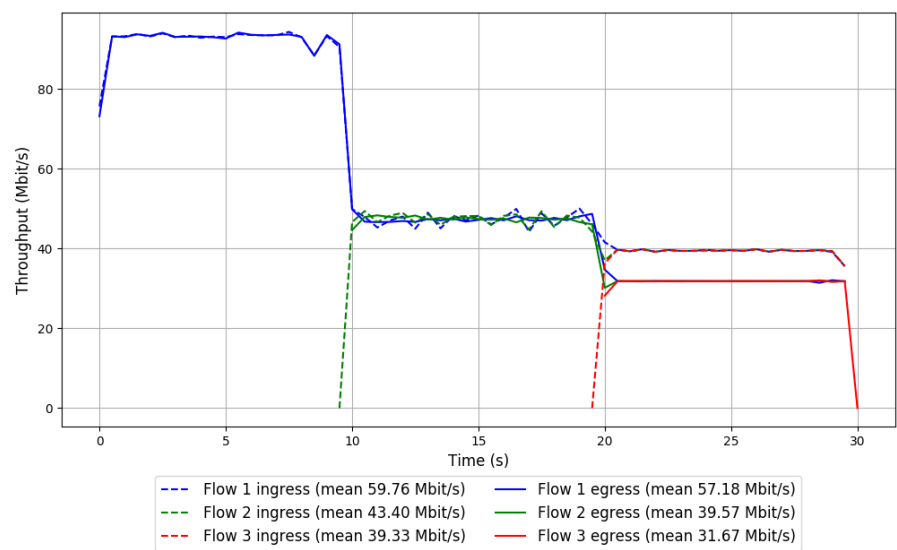


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-13 19:36:49
End at: 2018-03-13 19:37:19
Local clock offset: 2.646 ms
Remote clock offset: 17.502 ms

Below is generated by plot.py at 2018-03-13 21:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 45.139 ms
Loss rate: 7.39%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 42.454 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 45.940 ms
Loss rate: 8.67%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 48.843 ms
Loss rate: 19.18%

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

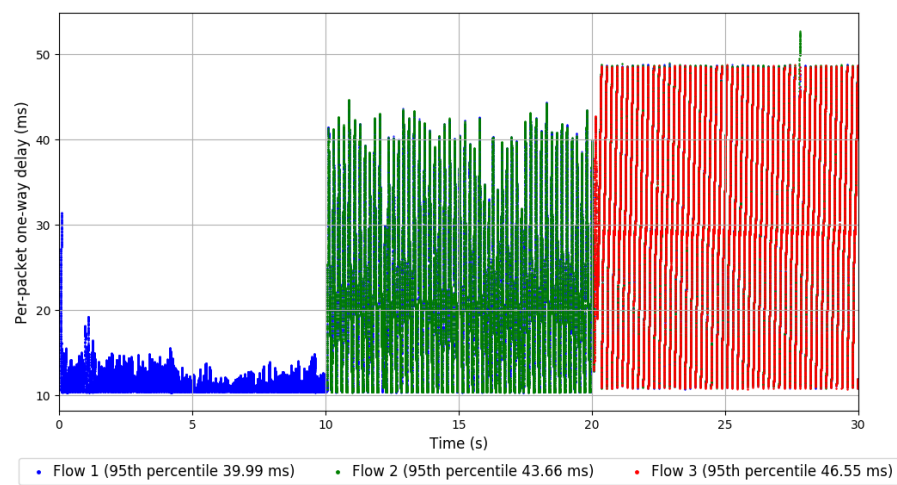
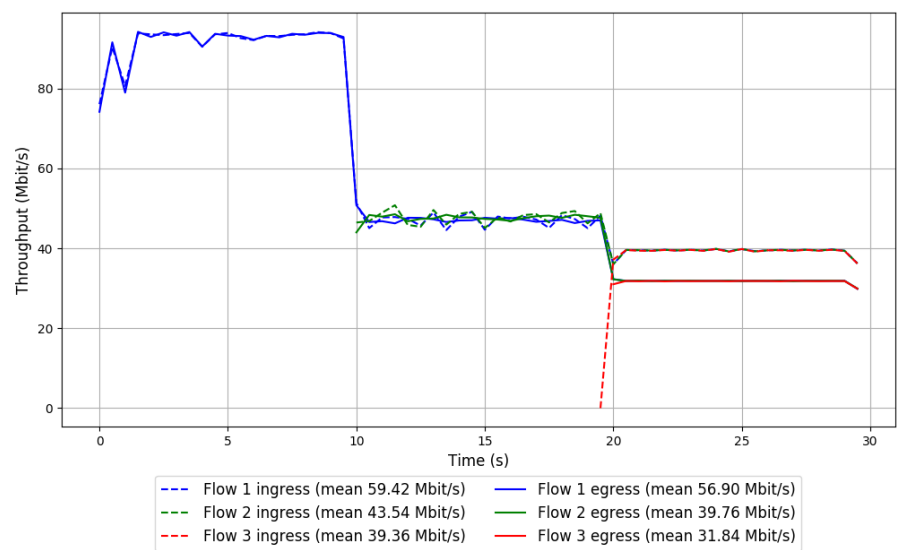


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-13 19:58:06
End at: 2018-03-13 19:58:36
Local clock offset: 3.513 ms
Remote clock offset: 18.265 ms

Below is generated by plot.py at 2018-03-13 21:55:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 42.783 ms
Loss rate: 7.43%
-- Flow 1:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 39.994 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 43.661 ms
Loss rate: 8.68%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 46.546 ms
Loss rate: 19.21%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-13 20:19:35

End at: 2018-03-13 20:20:05

Local clock offset: 0.397 ms

Remote clock offset: 2.337 ms

Below is generated by plot.py at 2018-03-13 21:55:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.43 Mbit/s

95th percentile per-packet one-way delay: 45.079 ms

Loss rate: 7.32%

-- Flow 1:

Average throughput: 57.40 Mbit/s

95th percentile per-packet one-way delay: 42.325 ms

Loss rate: 4.16%

-- Flow 2:

Average throughput: 39.70 Mbit/s

95th percentile per-packet one-way delay: 45.910 ms

Loss rate: 8.59%

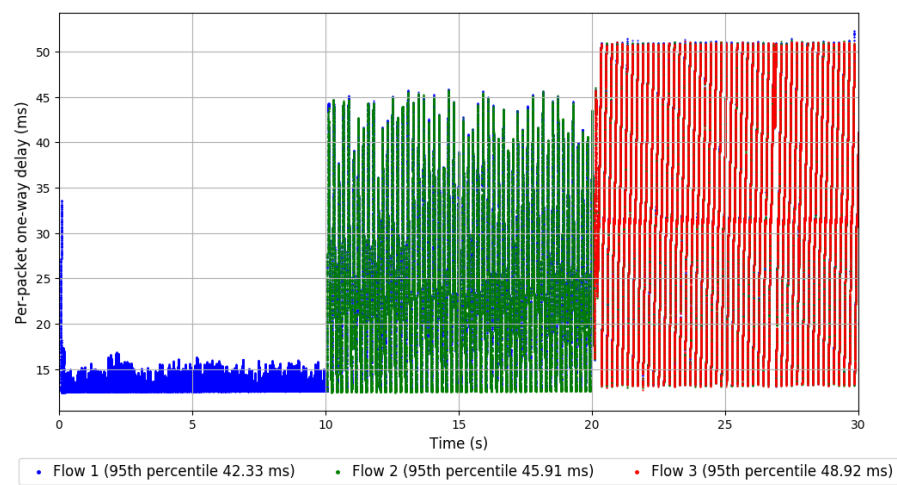
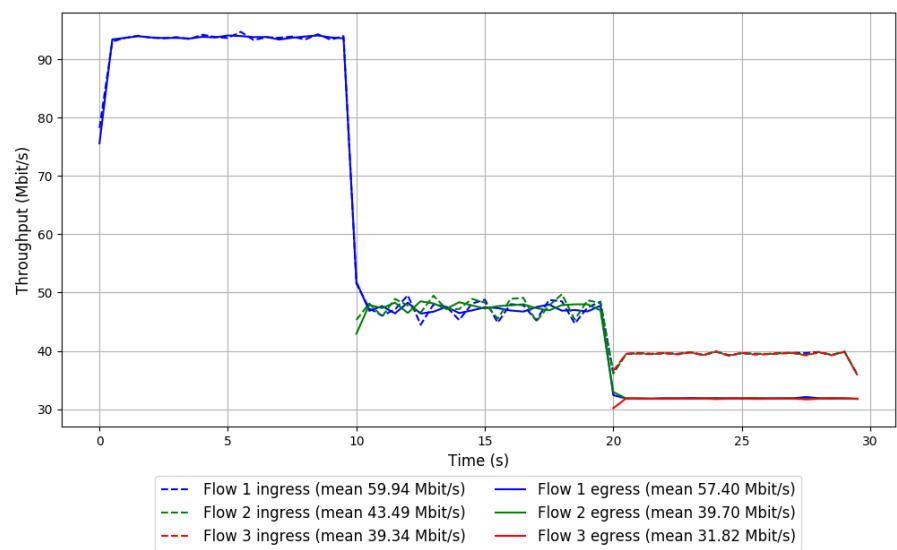
-- Flow 3:

Average throughput: 31.82 Mbit/s

95th percentile per-packet one-way delay: 48.922 ms

Loss rate: 19.05%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-13 20:41:28

End at: 2018-03-13 20:41:58

Local clock offset: 4.86 ms

Remote clock offset: -5.99 ms

Below is generated by plot.py at 2018-03-13 21:57:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.09 Mbit/s

95th percentile per-packet one-way delay: 34.643 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 61.69 Mbit/s

95th percentile per-packet one-way delay: 33.542 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 25.95 Mbit/s

95th percentile per-packet one-way delay: 36.169 ms

Loss rate: 0.27%

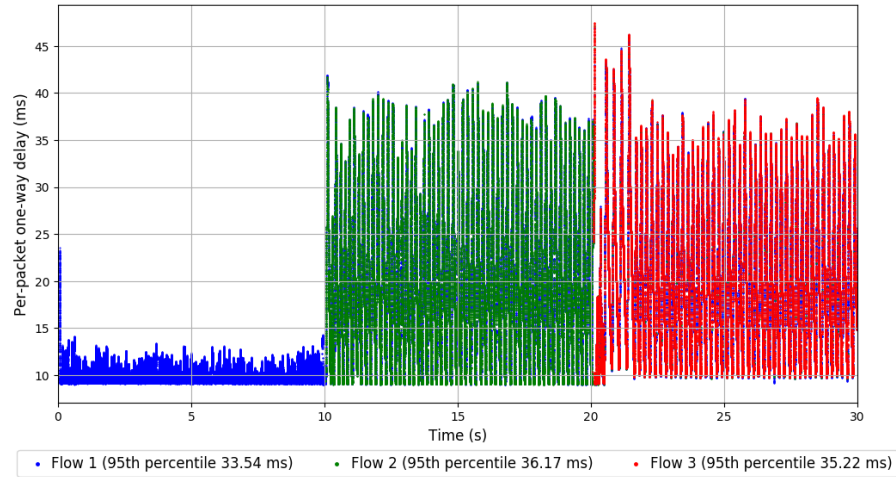
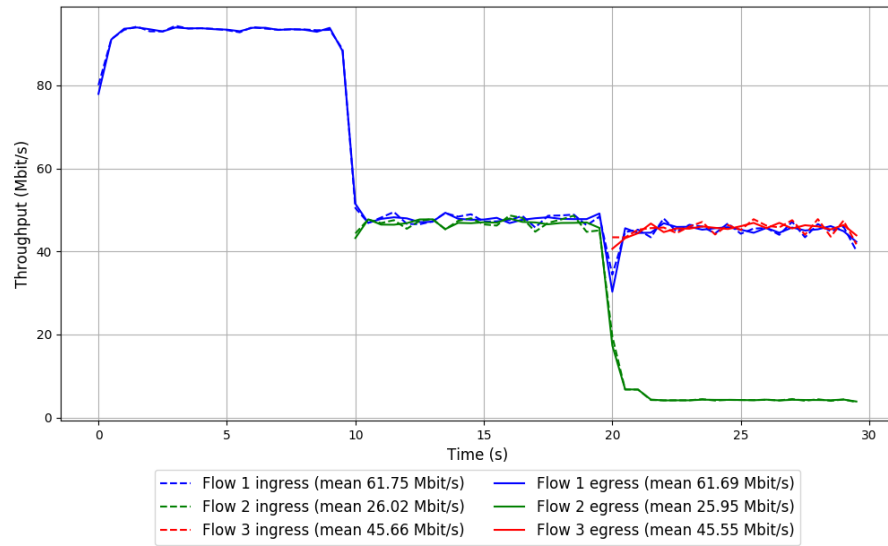
-- Flow 3:

Average throughput: 45.55 Mbit/s

95th percentile per-packet one-way delay: 35.223 ms

Loss rate: 0.19%

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

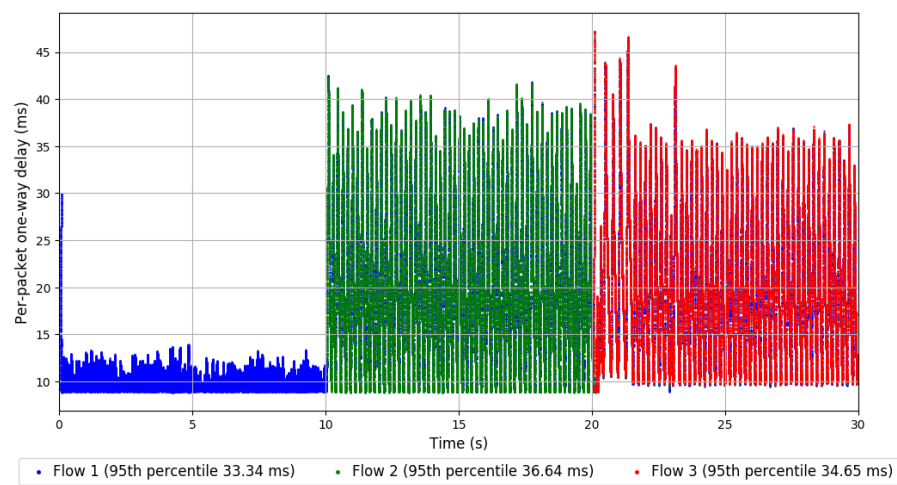
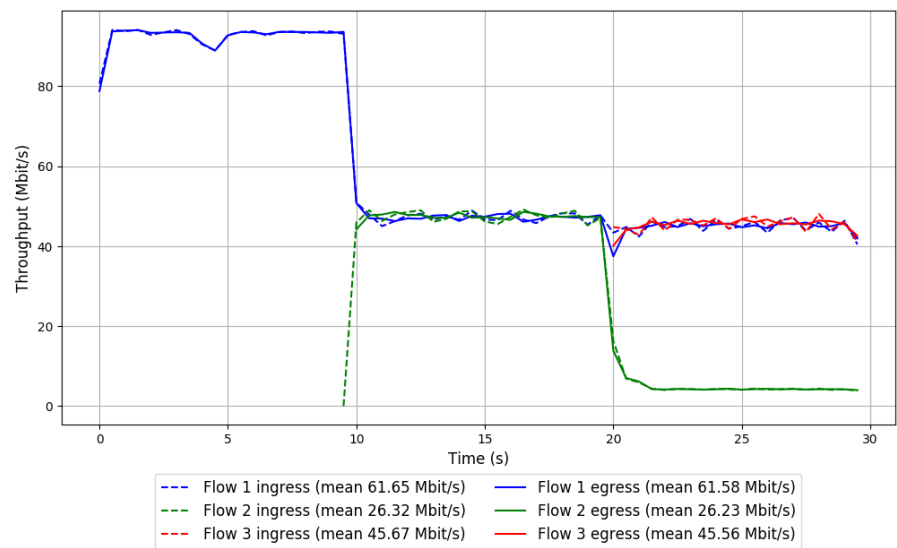


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-13 21:02:59
End at: 2018-03-13 21:03:29
Local clock offset: 5.95 ms
Remote clock offset: -4.258 ms

Below is generated by plot.py at 2018-03-13 21:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 34.617 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 33.341 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 36.639 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 45.56 Mbit/s
95th percentile per-packet one-way delay: 34.654 ms
Loss rate: 0.20%

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

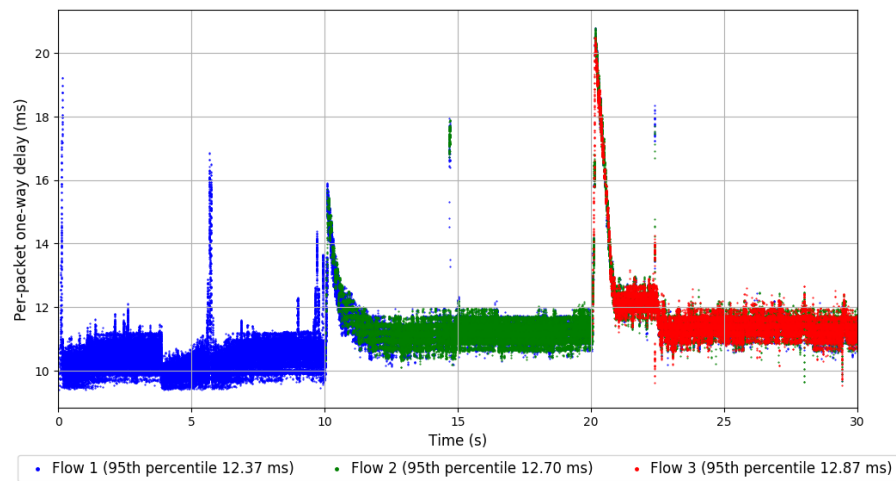
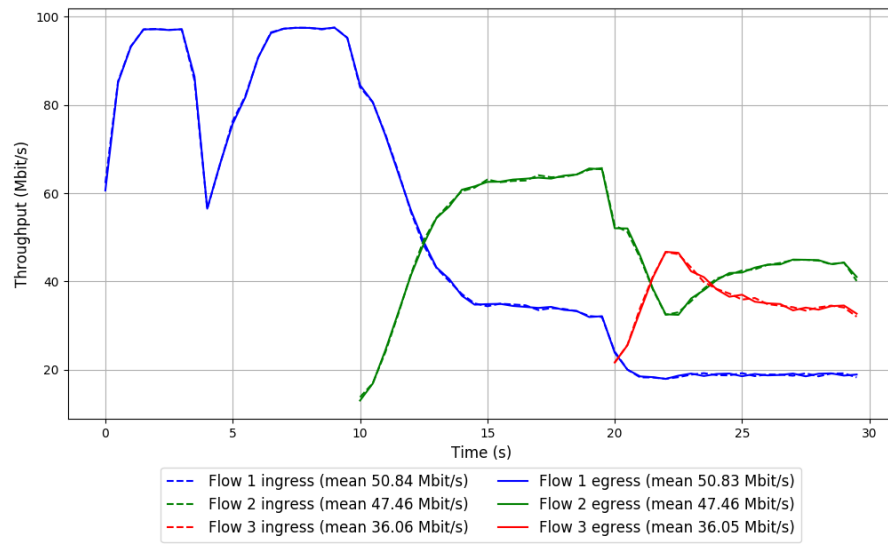


Run 1: Statistics of TCP Vegas

Start at: 2018-03-13 17:43:51
End at: 2018-03-13 17:44:21
Local clock offset: 5.095 ms
Remote clock offset: -1.181 ms

Below is generated by plot.py at 2018-03-13 21:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 12.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 12.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.46 Mbit/s
95th percentile per-packet one-way delay: 12.702 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 12.870 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

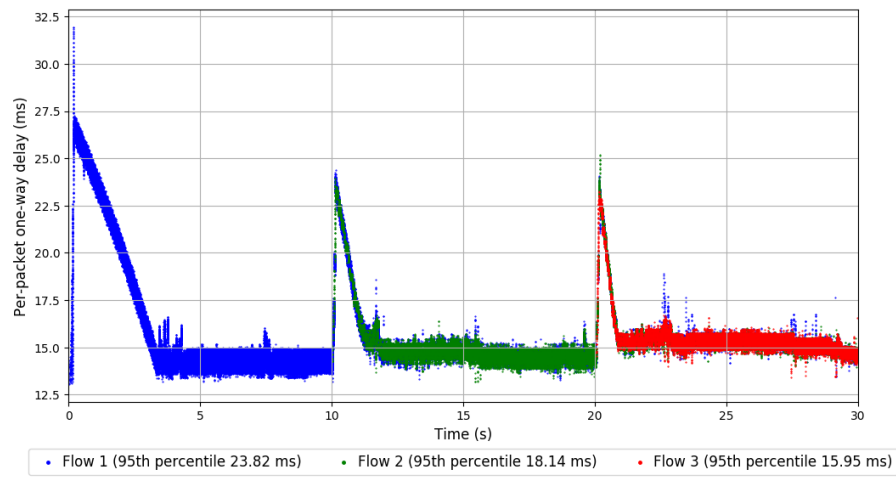
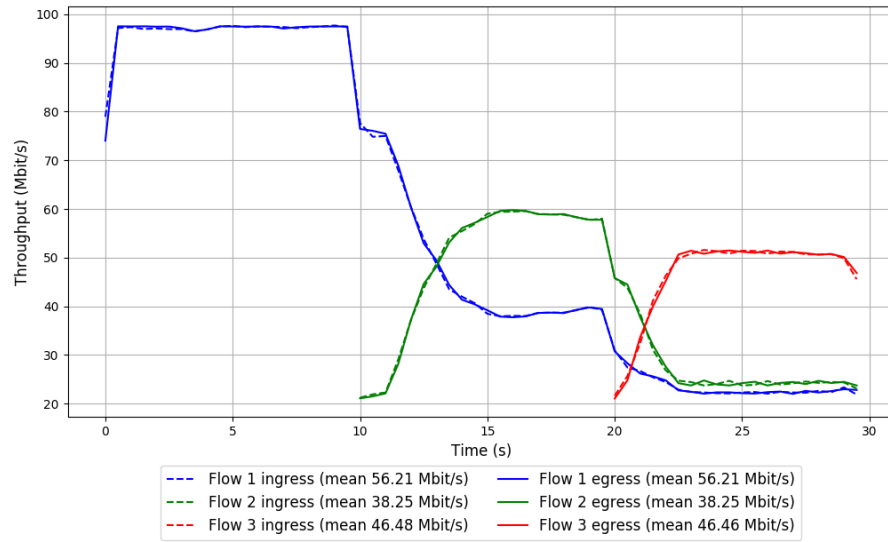


Run 2: Statistics of TCP Vegas

Start at: 2018-03-13 18:05:04
End at: 2018-03-13 18:05:34
Local clock offset: 2.523 ms
Remote clock offset: -1.277 ms

Below is generated by plot.py at 2018-03-13 21:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 22.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 23.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 18.141 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 15.949 ms
Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link

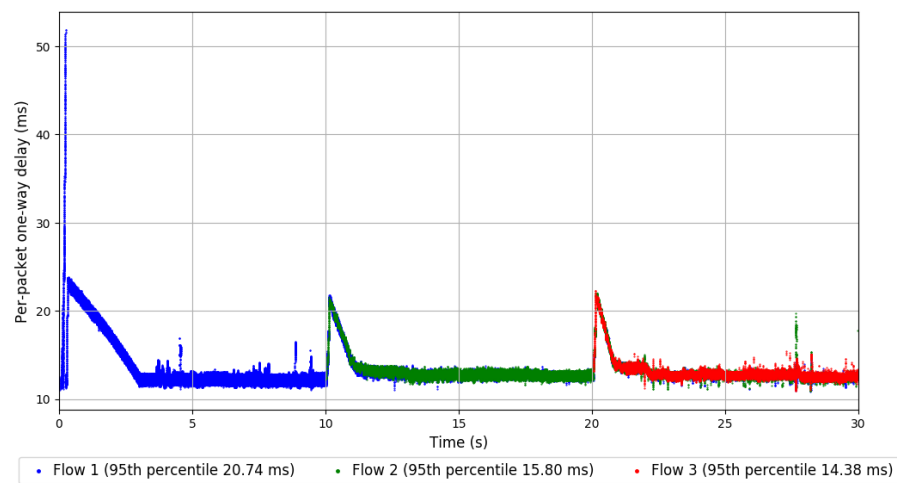
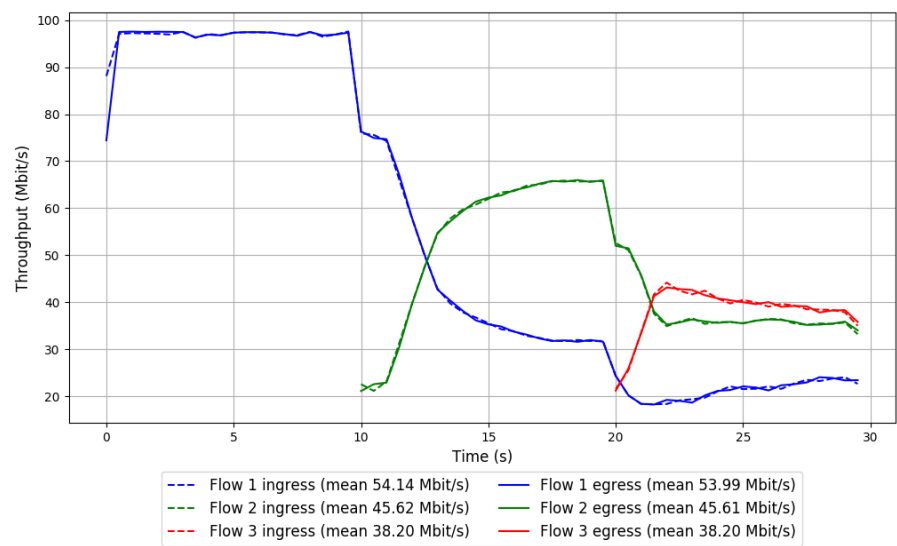


Run 3: Statistics of TCP Vegas

Start at: 2018-03-13 18:26:16
End at: 2018-03-13 18:26:46
Local clock offset: 5.522 ms
Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-03-13 21:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 19.539 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 20.741 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 45.61 Mbit/s
95th percentile per-packet one-way delay: 15.797 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 14.382 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-03-13 18:47:34

End at: 2018-03-13 18:48:04

Local clock offset: 3.754 ms

Remote clock offset: 7.125 ms

Below is generated by plot.py at 2018-03-13 21:57:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 16.159 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.86 Mbit/s

95th percentile per-packet one-way delay: 16.142 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 17.015 ms

Loss rate: 0.00%

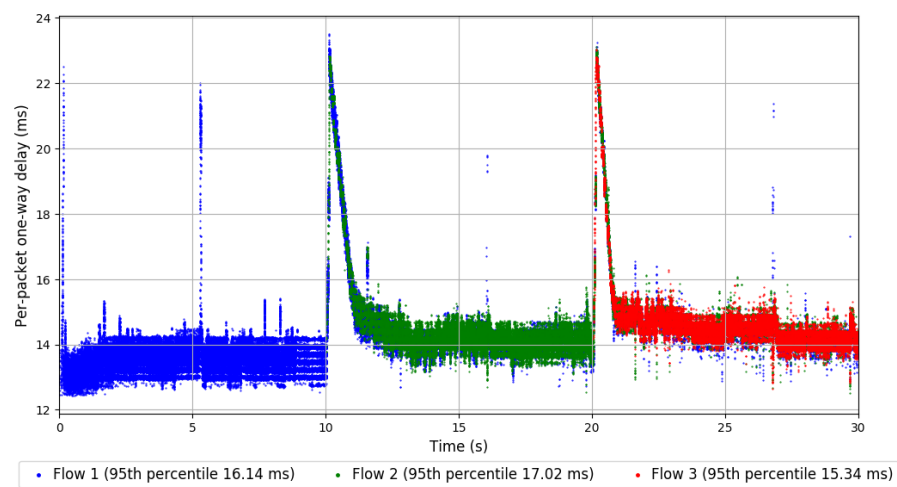
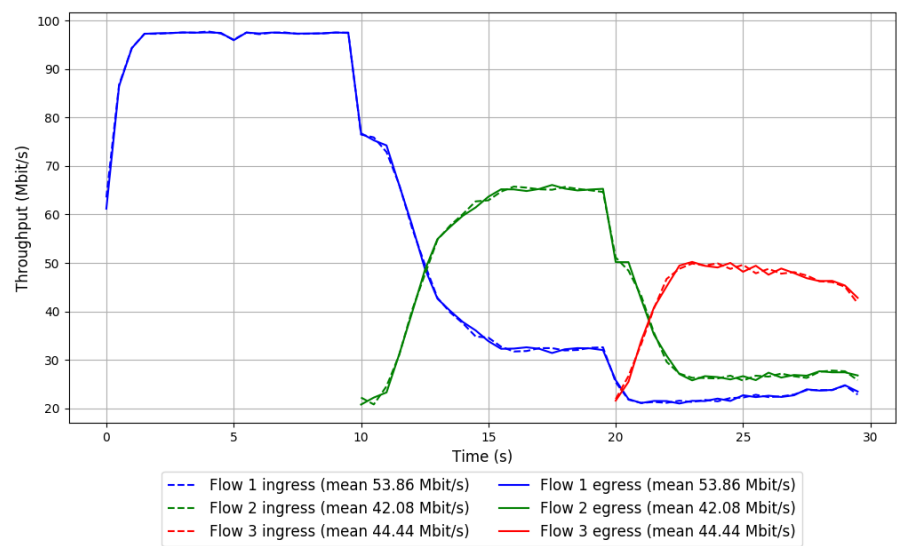
-- Flow 3:

Average throughput: 44.44 Mbit/s

95th percentile per-packet one-way delay: 15.335 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

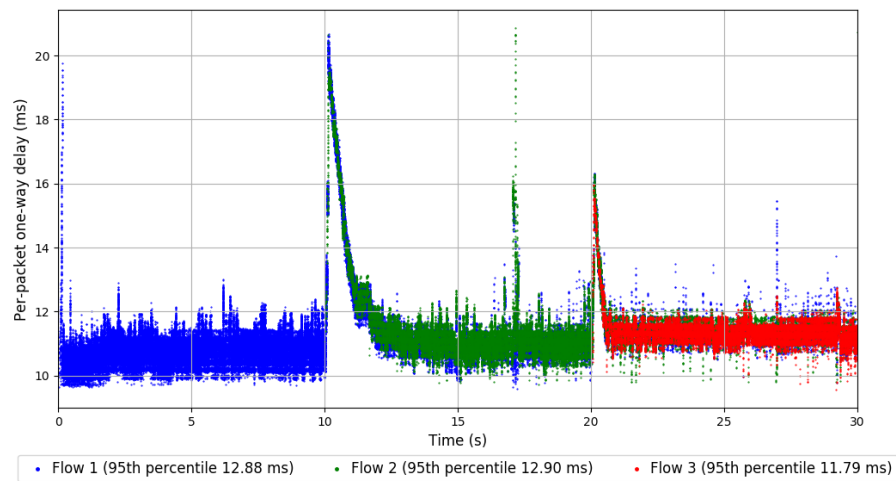
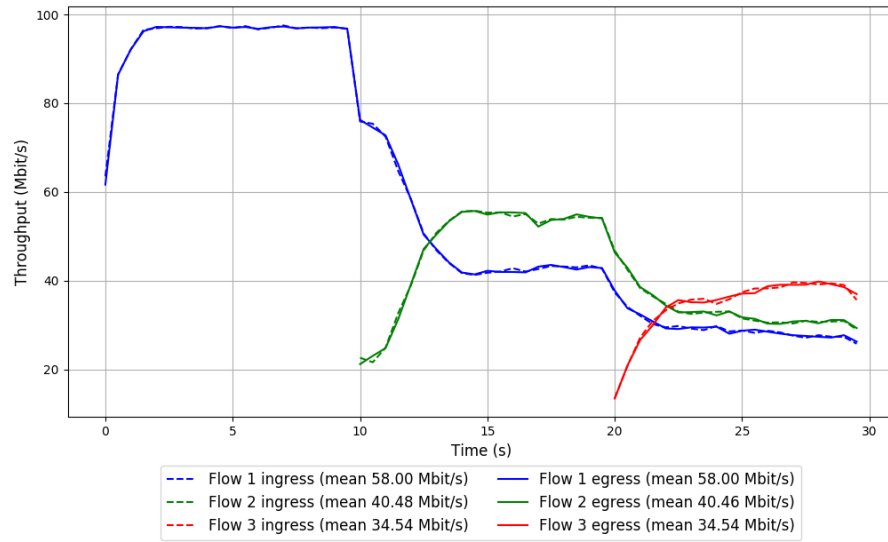


Run 5: Statistics of TCP Vegas

Start at: 2018-03-13 19:08:44
End at: 2018-03-13 19:09:14
Local clock offset: 4.813 ms
Remote clock offset: 12.431 ms

Below is generated by plot.py at 2018-03-13 21:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 12.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 12.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 12.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.54 Mbit/s
95th percentile per-packet one-way delay: 11.793 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

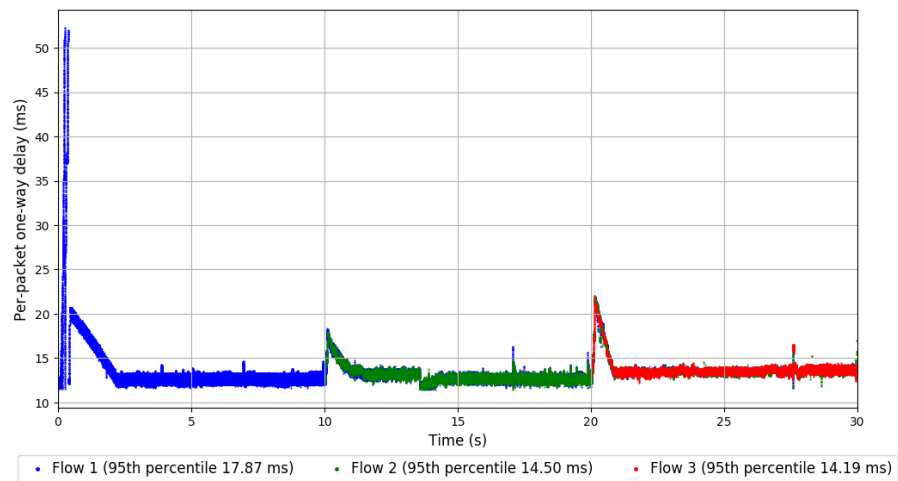
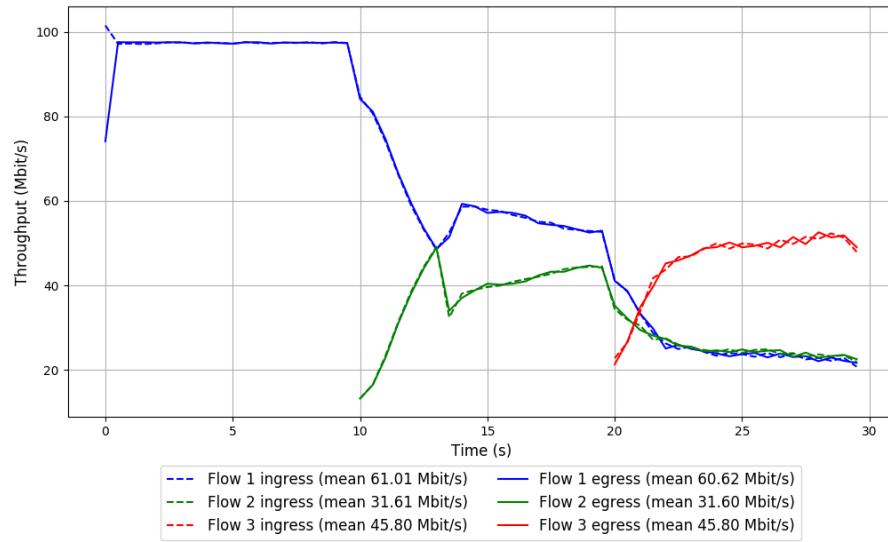


Run 6: Statistics of TCP Vegas

Start at: 2018-03-13 19:29:50
End at: 2018-03-13 19:30:20
Local clock offset: 3.247 ms
Remote clock offset: 17.214 ms

Below is generated by plot.py at 2018-03-13 21:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 16.982 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 17.867 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 14.502 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 14.185 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-13 19:51:08

End at: 2018-03-13 19:51:38

Local clock offset: 2.355 ms

Remote clock offset: 17.08 ms

Below is generated by plot.py at 2018-03-13 21:57:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 20.601 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.48 Mbit/s

95th percentile per-packet one-way delay: 22.533 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.64 Mbit/s

95th percentile per-packet one-way delay: 14.878 ms

Loss rate: 0.00%

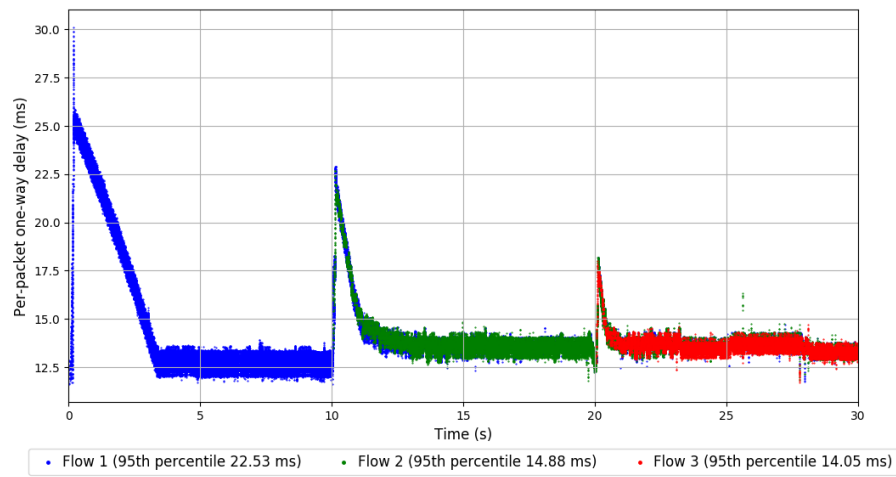
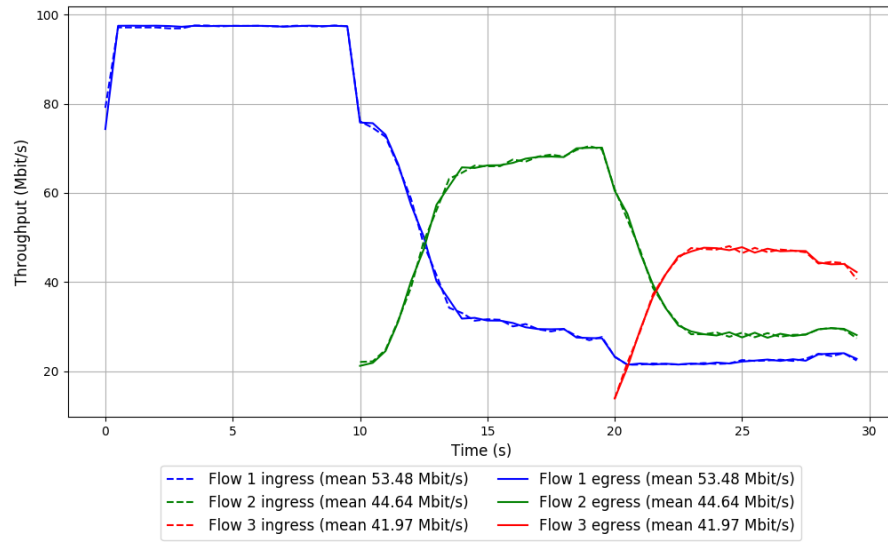
-- Flow 3:

Average throughput: 41.97 Mbit/s

95th percentile per-packet one-way delay: 14.047 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-03-13 20:12:31

End at: 2018-03-13 20:13:01

Local clock offset: 1.918 ms

Remote clock offset: 8.024 ms

Below is generated by plot.py at 2018-03-13 21:57:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 14.121 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.60 Mbit/s

95th percentile per-packet one-way delay: 13.970 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.79 Mbit/s

95th percentile per-packet one-way delay: 15.390 ms

Loss rate: 0.00%

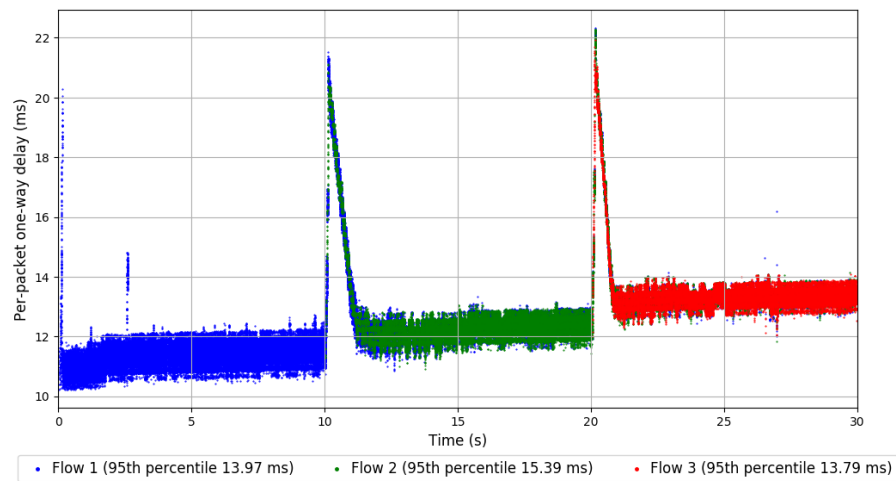
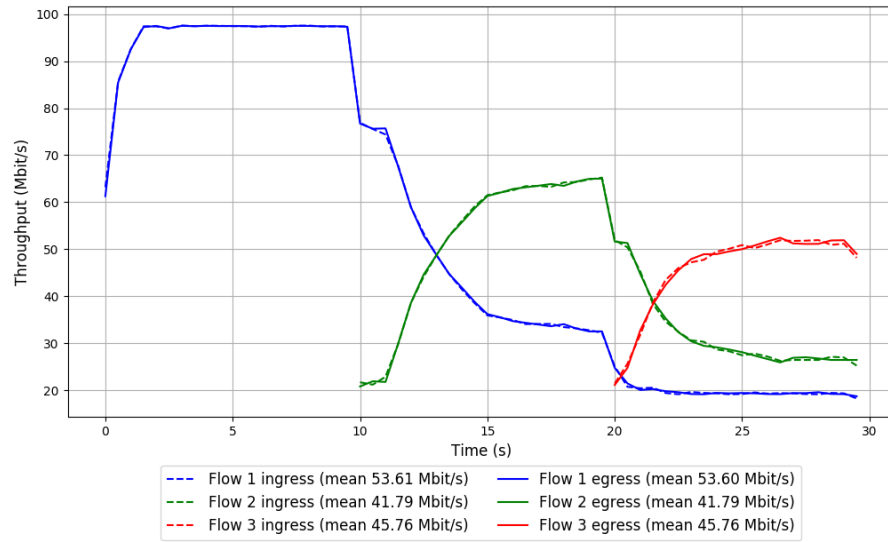
-- Flow 3:

Average throughput: 45.76 Mbit/s

95th percentile per-packet one-way delay: 13.795 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

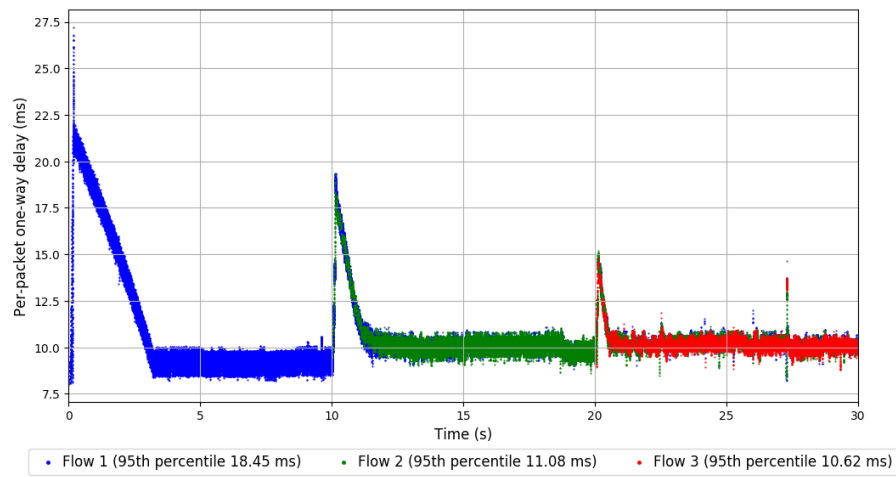
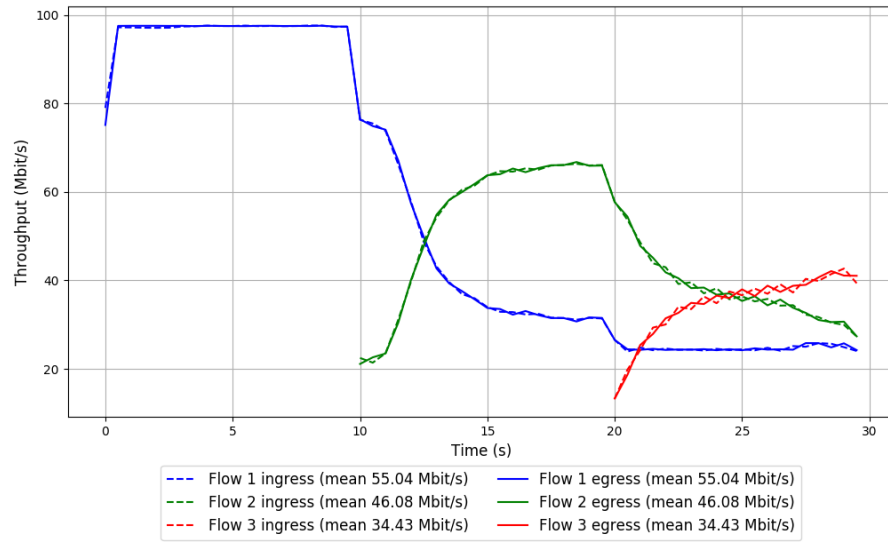


Run 9: Statistics of TCP Vegas

Start at: 2018-03-13 20:34:06
End at: 2018-03-13 20:34:36
Local clock offset: 5.516 ms
Remote clock offset: -4.784 ms

Below is generated by plot.py at 2018-03-13 21:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 16.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.04 Mbit/s
95th percentile per-packet one-way delay: 18.448 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.08 Mbit/s
95th percentile per-packet one-way delay: 11.084 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.43 Mbit/s
95th percentile per-packet one-way delay: 10.619 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-13 20:56:00

End at: 2018-03-13 20:56:30

Local clock offset: 5.529 ms

Remote clock offset: -4.3 ms

Below is generated by plot.py at 2018-03-13 21:58:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 17.893 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 56.29 Mbit/s

95th percentile per-packet one-way delay: 19.282 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 37.23 Mbit/s

95th percentile per-packet one-way delay: 13.987 ms

Loss rate: 0.00%

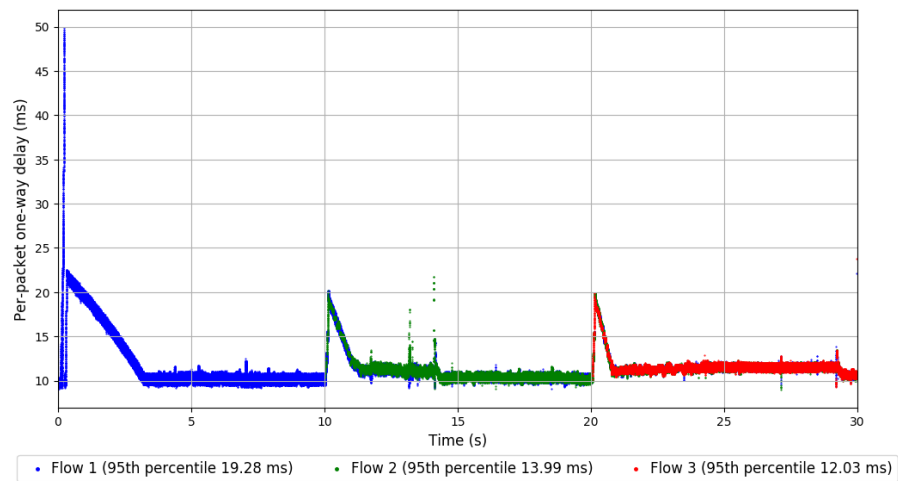
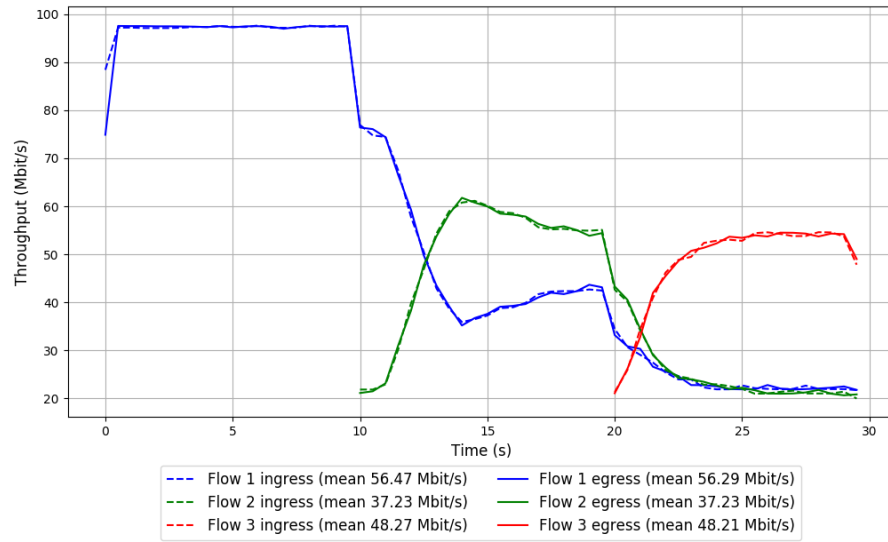
-- Flow 3:

Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 12.034 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

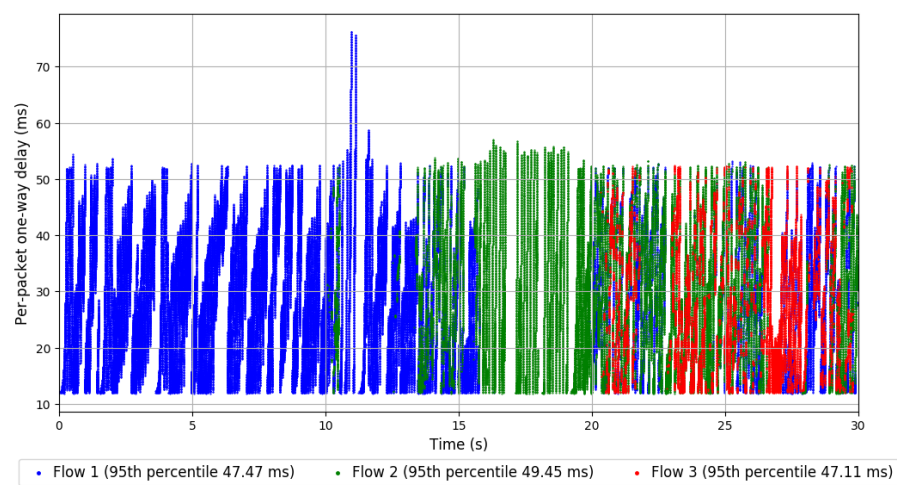
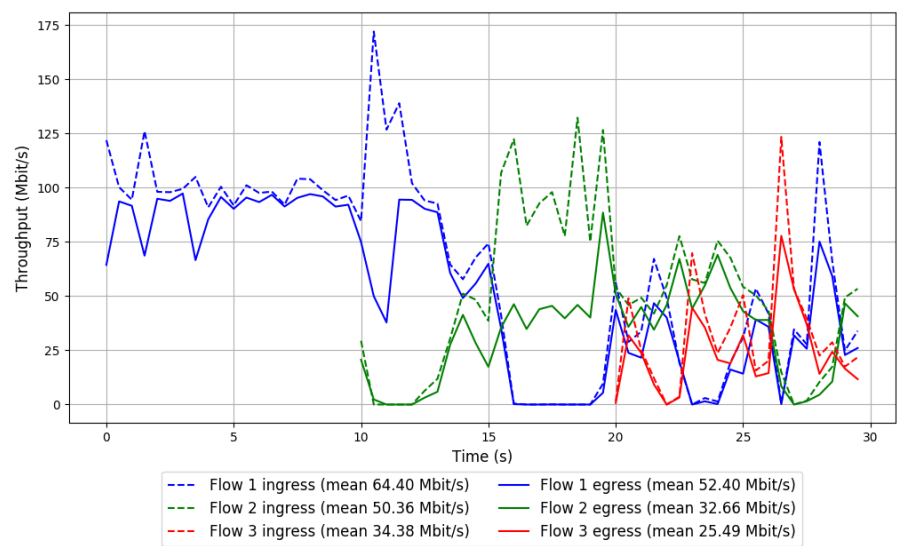


Run 1: Statistics of Verus

Start at: 2018-03-13 17:40:13
End at: 2018-03-13 17:40:43
Local clock offset: 3.559 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-03-13 21:58:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 48.066 ms
Loss rate: 24.45%
-- Flow 1:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 47.469 ms
Loss rate: 18.59%
-- Flow 2:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 49.453 ms
Loss rate: 35.11%
-- Flow 3:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 47.114 ms
Loss rate: 26.32%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-13 18:01:32

End at: 2018-03-13 18:02:02

Local clock offset: 4.975 ms

Remote clock offset: -2.85 ms

Below is generated by plot.py at 2018-03-13 21:58:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.20 Mbit/s

95th percentile per-packet one-way delay: 46.949 ms

Loss rate: 47.46%

-- Flow 1:

Average throughput: 46.93 Mbit/s

95th percentile per-packet one-way delay: 46.379 ms

Loss rate: 45.52%

-- Flow 2:

Average throughput: 27.12 Mbit/s

95th percentile per-packet one-way delay: 49.340 ms

Loss rate: 56.06%

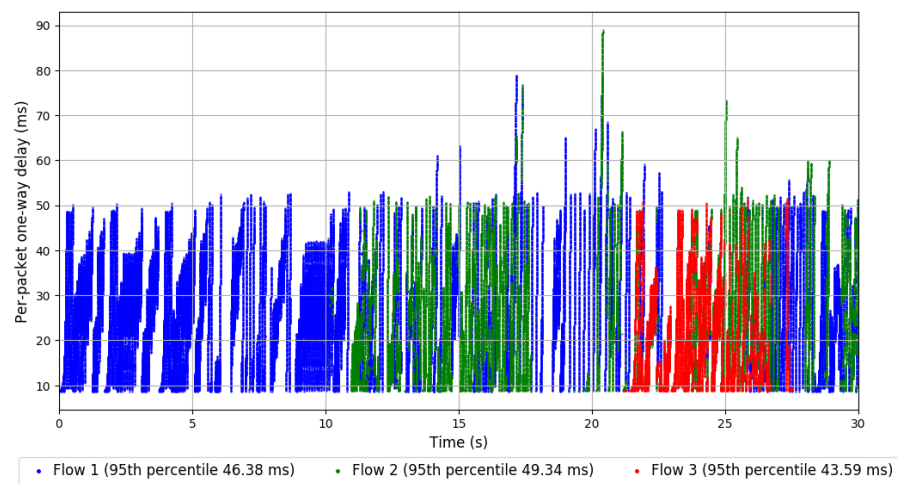
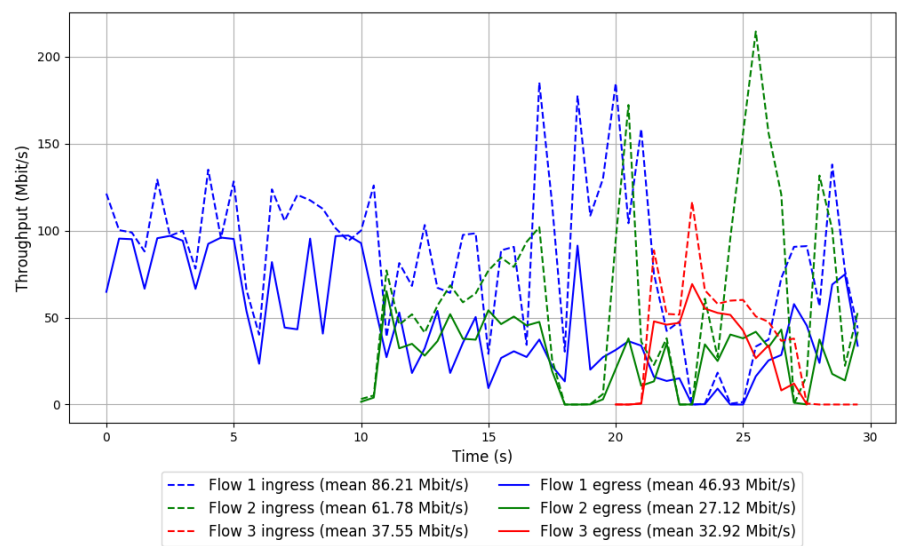
-- Flow 3:

Average throughput: 32.92 Mbit/s

95th percentile per-packet one-way delay: 43.589 ms

Loss rate: 32.09%

Run 2: Report of Verus — Data Link

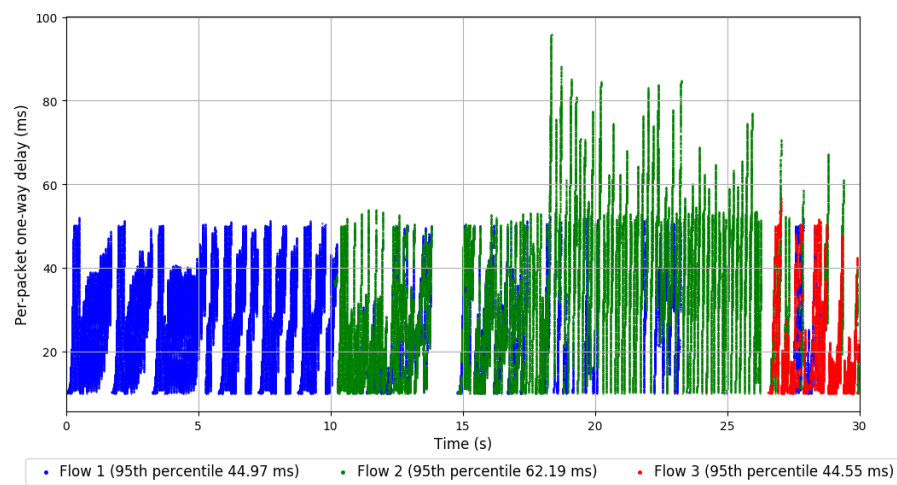
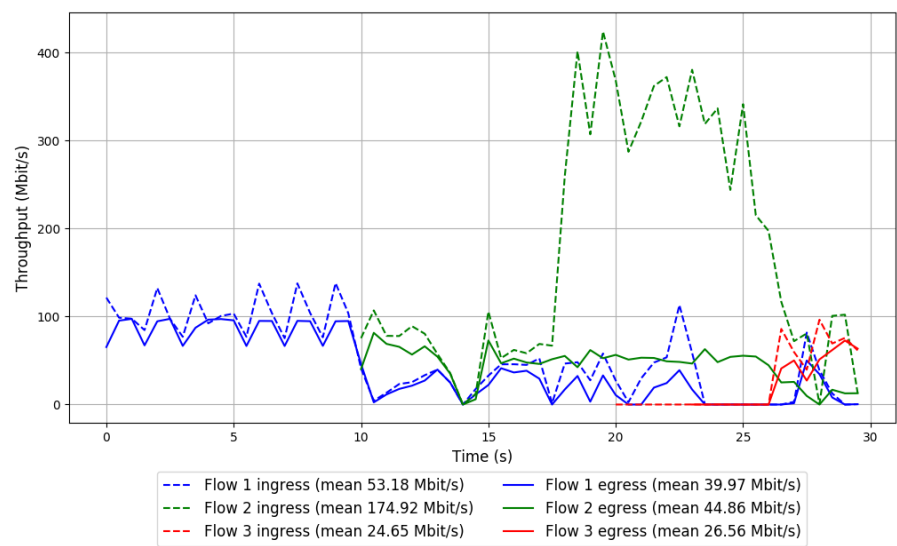


Run 3: Statistics of Verus

Start at: 2018-03-13 18:22:42
End at: 2018-03-13 18:23:12
Local clock offset: 6.218 ms
Remote clock offset: -2.532 ms

Below is generated by plot.py at 2018-03-13 21:58:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.93 Mbit/s
95th percentile per-packet one-way delay: 50.608 ms
Loss rate: 57.28%
-- Flow 1:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 44.965 ms
Loss rate: 24.81%
-- Flow 2:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 62.192 ms
Loss rate: 74.38%
-- Flow 3:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 44.552 ms
Loss rate: 24.71%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-03-13 18:43:56

End at: 2018-03-13 18:44:26

Local clock offset: 4.264 ms

Remote clock offset: 4.96 ms

Below is generated by plot.py at 2018-03-13 21:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 51.542 ms

Loss rate: 62.38%

-- Flow 1:

Average throughput: 48.28 Mbit/s

95th percentile per-packet one-way delay: 46.407 ms

Loss rate: 29.87%

-- Flow 2:

Average throughput: 31.96 Mbit/s

95th percentile per-packet one-way delay: 65.700 ms

Loss rate: 82.44%

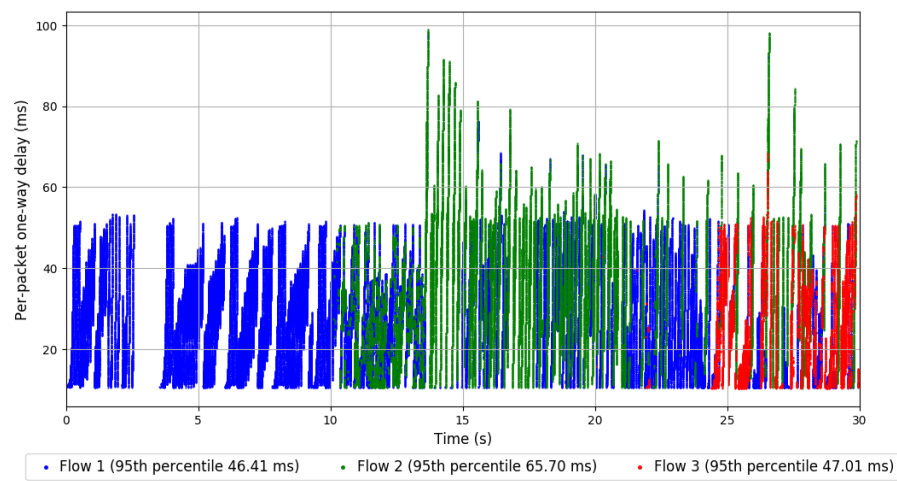
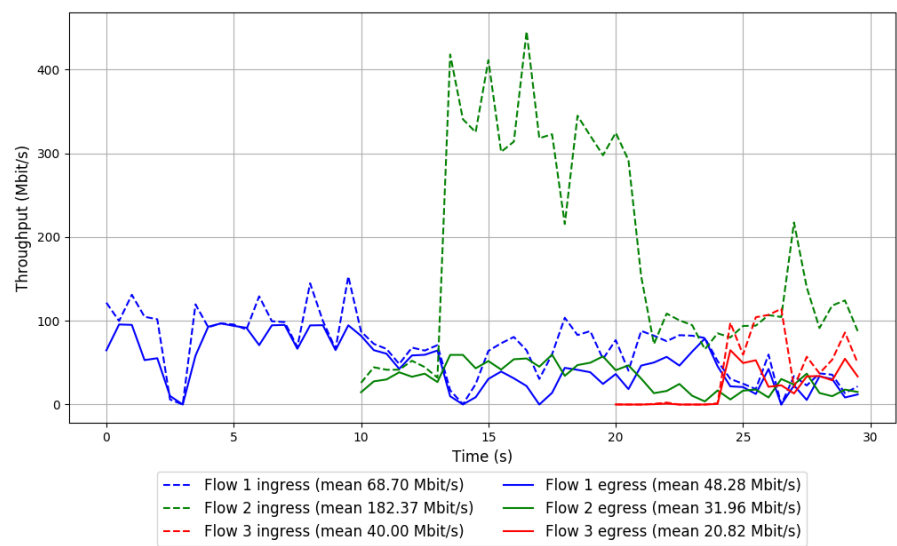
-- Flow 3:

Average throughput: 20.82 Mbit/s

95th percentile per-packet one-way delay: 47.010 ms

Loss rate: 47.98%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-03-13 19:05:12

End at: 2018-03-13 19:05:42

Local clock offset: 5.064 ms

Remote clock offset: 10.26 ms

Below is generated by plot.py at 2018-03-13 21:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.64 Mbit/s

95th percentile per-packet one-way delay: 43.998 ms

Loss rate: 24.39%

-- Flow 1:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 42.198 ms

Loss rate: 13.51%

-- Flow 2:

Average throughput: 23.50 Mbit/s

95th percentile per-packet one-way delay: 46.090 ms

Loss rate: 37.98%

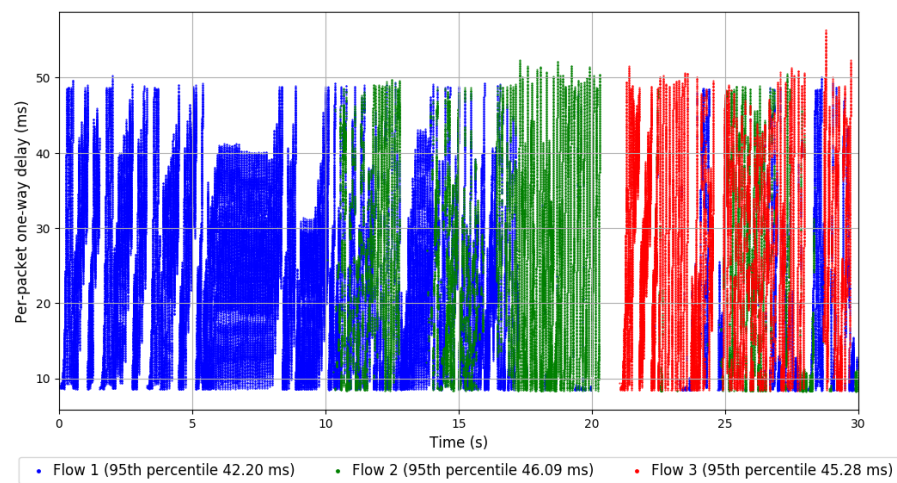
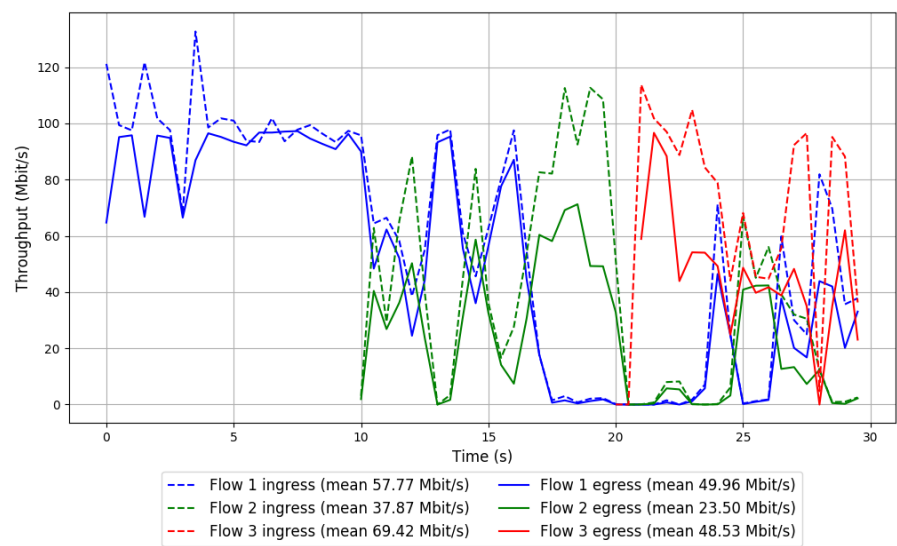
-- Flow 3:

Average throughput: 48.53 Mbit/s

95th percentile per-packet one-way delay: 45.282 ms

Loss rate: 37.18%

Run 5: Report of Verus — Data Link

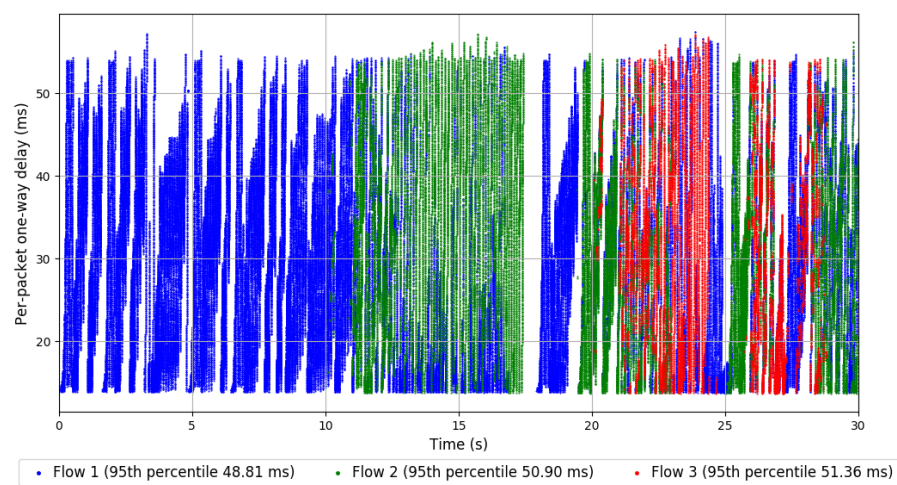
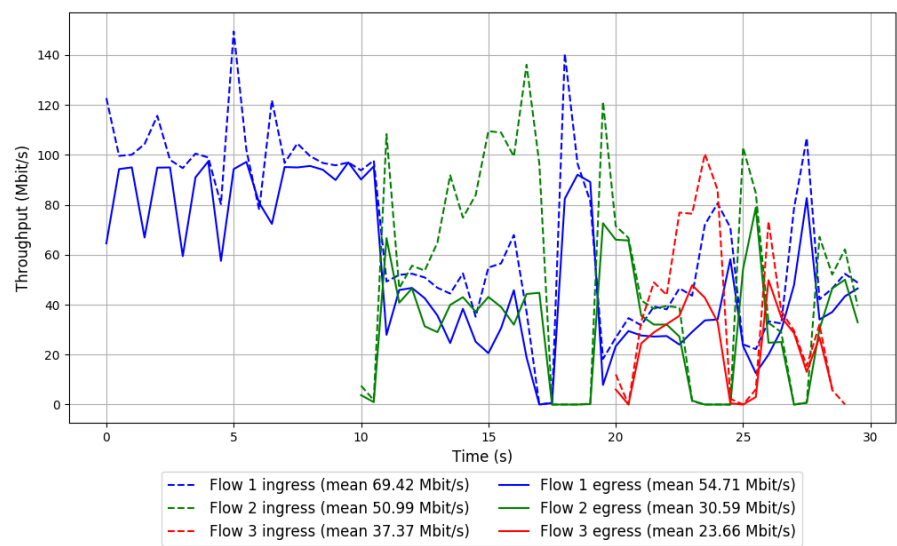


Run 6: Statistics of Verus

Start at: 2018-03-13 19:26:17
End at: 2018-03-13 19:26:47
Local clock offset: -2.032 ms
Remote clock offset: 13.761 ms

Below is generated by plot.py at 2018-03-13 21:58:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.94 Mbit/s
95th percentile per-packet one-way delay: 49.746 ms
Loss rate: 28.46%
-- Flow 1:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 48.811 ms
Loss rate: 21.11%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 50.900 ms
Loss rate: 39.97%
-- Flow 3:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 39.06%

Run 6: Report of Verus — Data Link

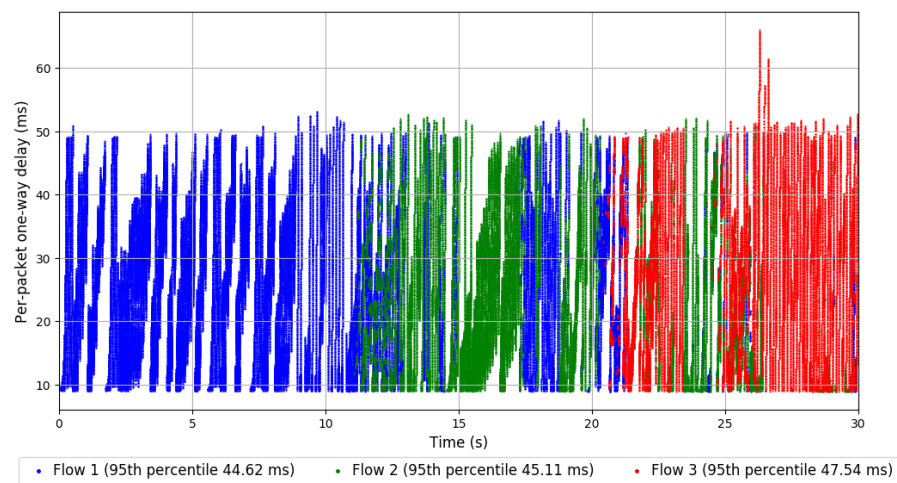
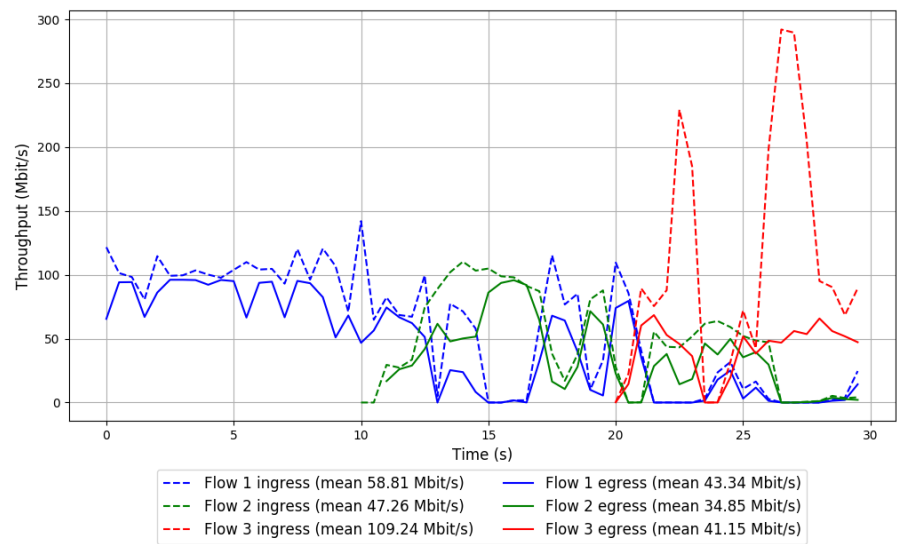


Run 7: Statistics of Verus

Start at: 2018-03-13 19:47:34
End at: 2018-03-13 19:48:04
Local clock offset: 4.862 ms
Remote clock offset: 16.332 ms

Below is generated by plot.py at 2018-03-13 21:59:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 45.366 ms
Loss rate: 37.57%
-- Flow 1:
Average throughput: 43.34 Mbit/s
95th percentile per-packet one-way delay: 44.619 ms
Loss rate: 26.32%
-- Flow 2:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 45.106 ms
Loss rate: 30.09%
-- Flow 3:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 47.537 ms
Loss rate: 62.38%

Run 7: Report of Verus — Data Link

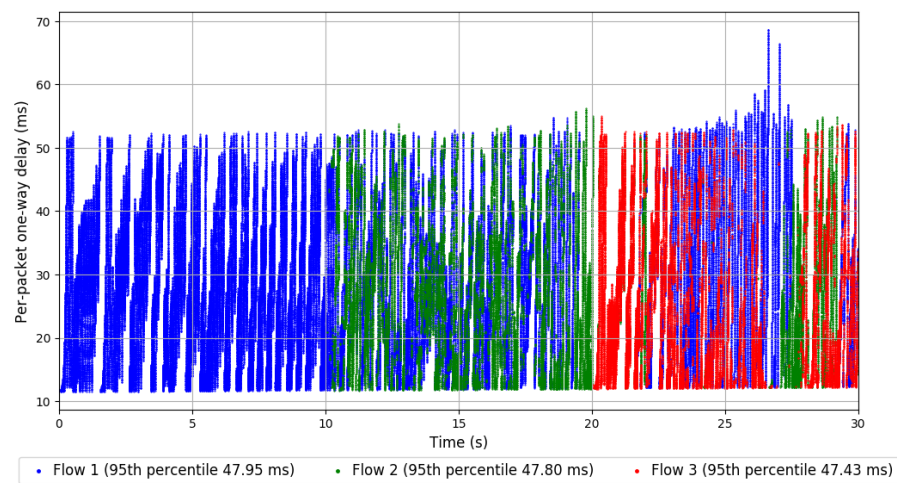
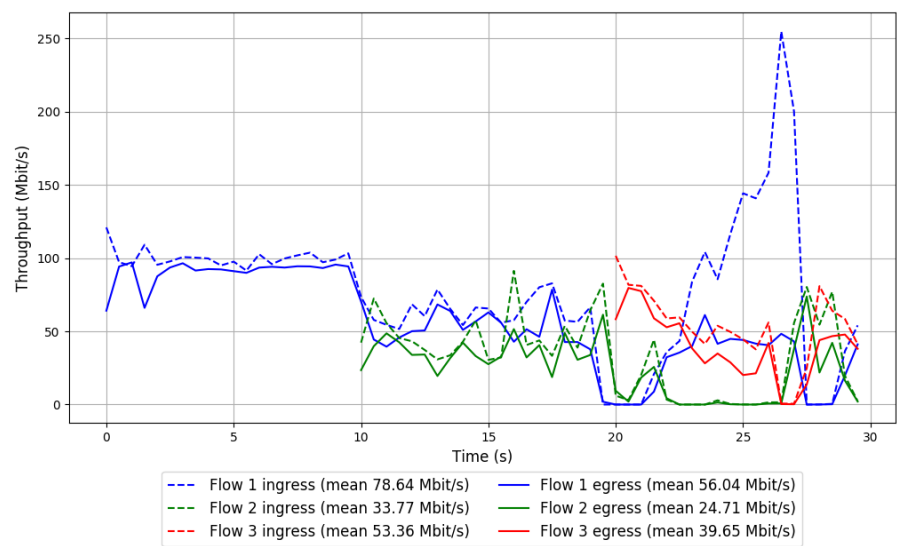


Run 8: Statistics of Verus

Start at: 2018-03-13 20:08:52
End at: 2018-03-13 20:09:22
Local clock offset: 1.188 ms
Remote clock offset: 14.017 ms

Below is generated by plot.py at 2018-03-13 21:59:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 47.843 ms
Loss rate: 27.87%
-- Flow 1:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 47.954 ms
Loss rate: 28.69%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 47.795 ms
Loss rate: 26.84%
-- Flow 3:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 47.430 ms
Loss rate: 25.54%

Run 8: Report of Verus — Data Link

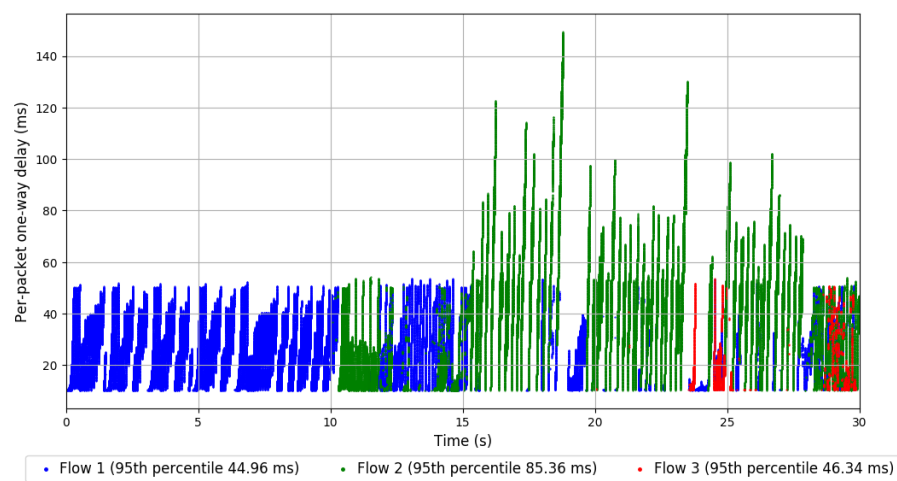
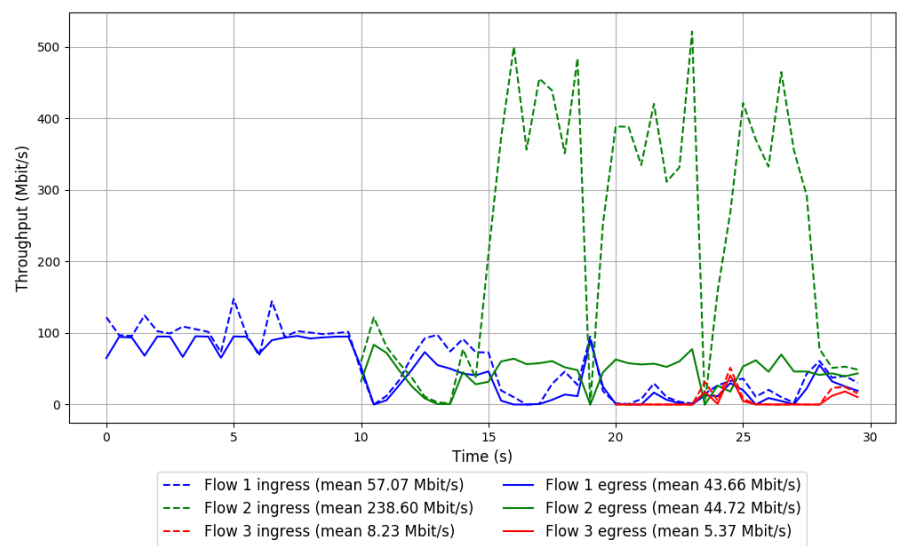


Run 9: Statistics of Verus

Start at: 2018-03-13 20:30:24
End at: 2018-03-13 20:30:54
Local clock offset: 4.126 ms
Remote clock offset: -2.599 ms

Below is generated by plot.py at 2018-03-13 21:59:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.12 Mbit/s
95th percentile per-packet one-way delay: 68.963 ms
Loss rate: 65.56%
-- Flow 1:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 44.964 ms
Loss rate: 23.42%
-- Flow 2:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 85.359 ms
Loss rate: 81.25%
-- Flow 3:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 46.337 ms
Loss rate: 34.69%

Run 9: Report of Verus — Data Link

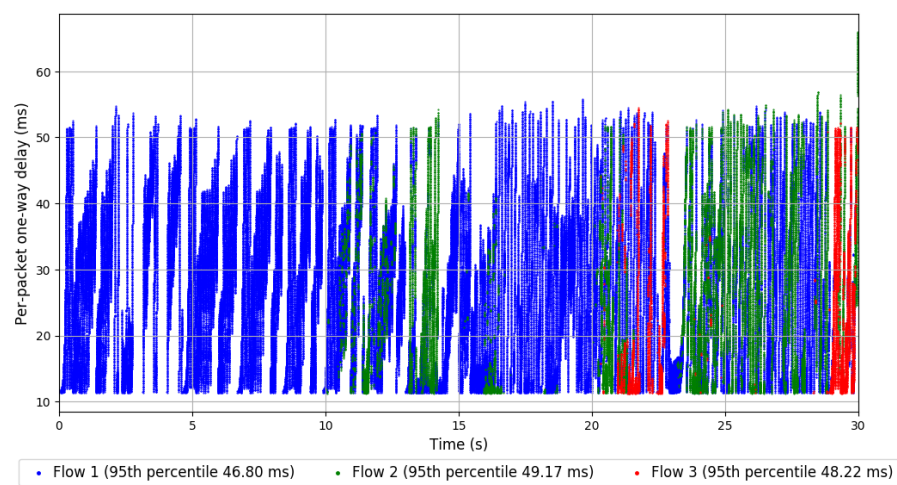
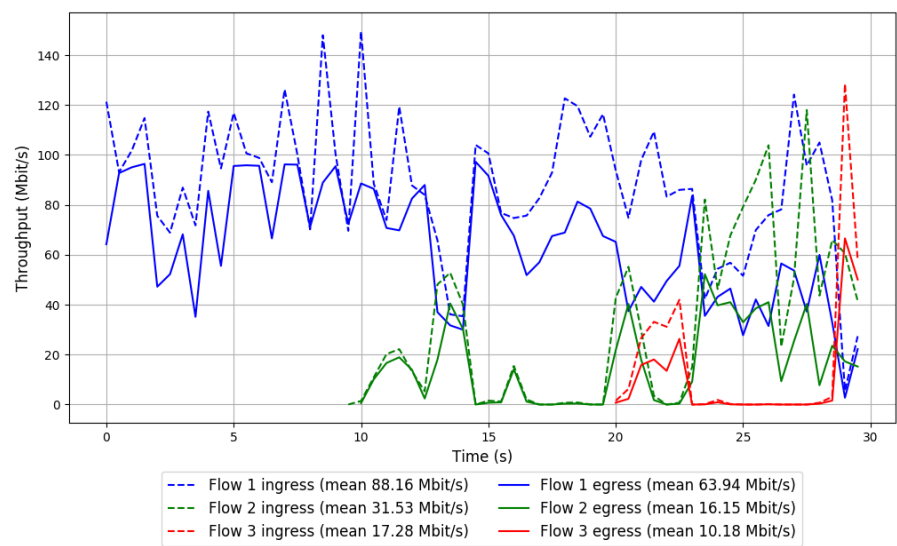


Run 10: Statistics of Verus

Start at: 2018-03-13 20:52:22
End at: 2018-03-13 20:52:52
Local clock offset: 2.66 ms
Remote clock offset: -4.729 ms

Below is generated by plot.py at 2018-03-13 21:59:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 47.254 ms
Loss rate: 32.03%
-- Flow 1:
Average throughput: 63.94 Mbit/s
95th percentile per-packet one-way delay: 46.802 ms
Loss rate: 27.51%
-- Flow 2:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 49.166 ms
Loss rate: 48.65%
-- Flow 3:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: 48.220 ms
Loss rate: 41.06%

Run 10: Report of Verus — Data Link

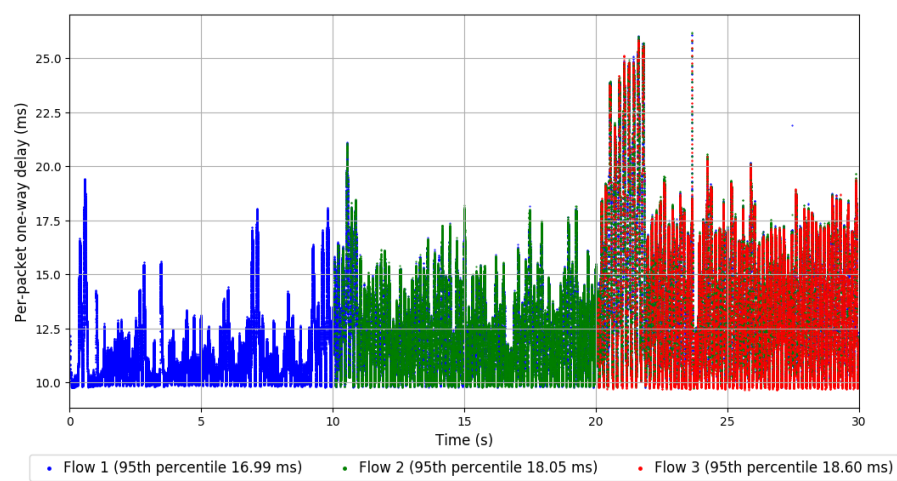
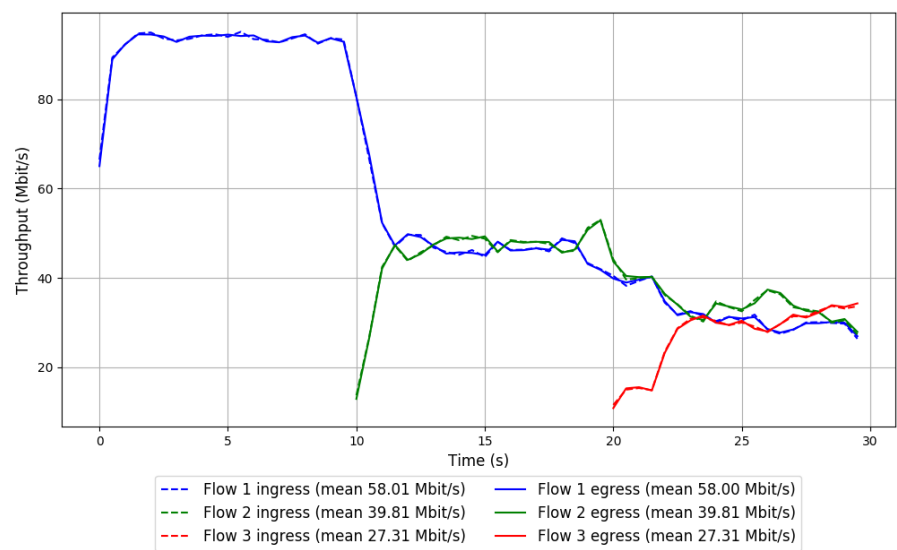


Run 1: Statistics of Copa

Start at: 2018-03-13 17:37:47
End at: 2018-03-13 17:38:17
Local clock offset: 5.181 ms
Remote clock offset: -0.983 ms

Below is generated by plot.py at 2018-03-13 22:01:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 17.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 16.991 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 18.047 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 18.597 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

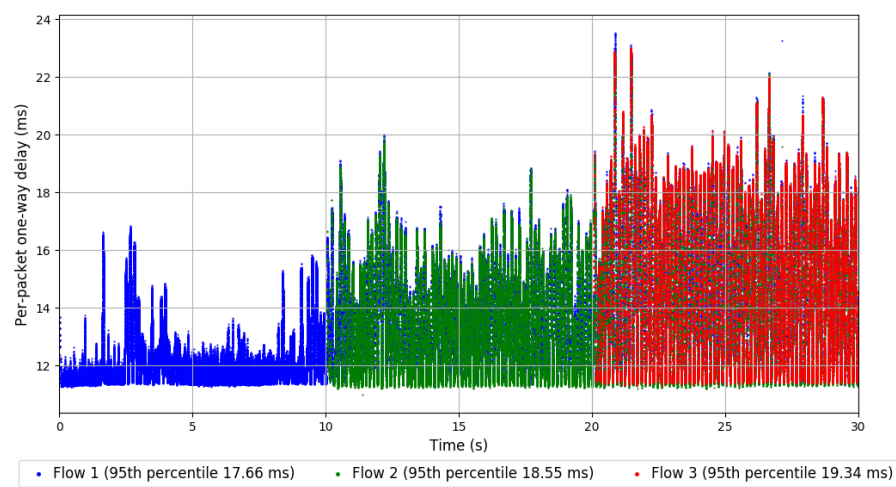
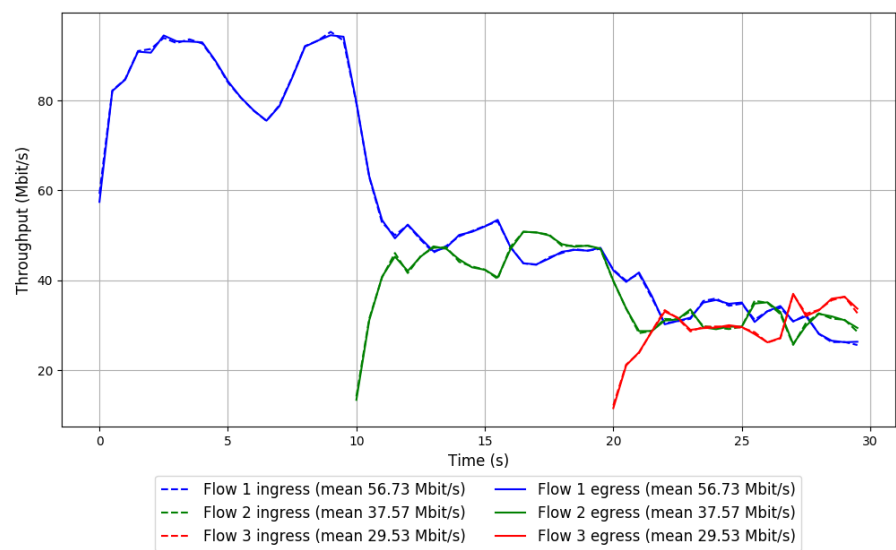


Run 2: Statistics of Copa

Start at: 2018-03-13 17:59:08
End at: 2018-03-13 17:59:38
Local clock offset: 3.205 ms
Remote clock offset: -1.923 ms

Below is generated by plot.py at 2018-03-13 22:01:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 18.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 17.658 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 18.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

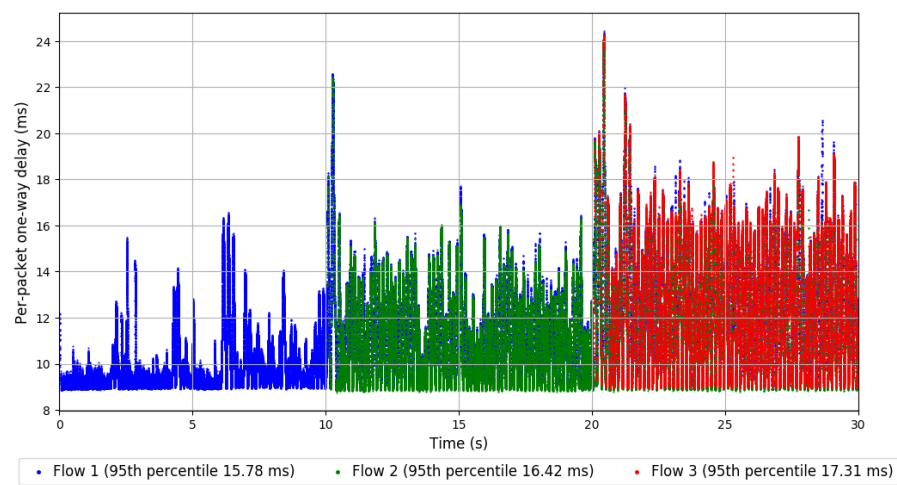
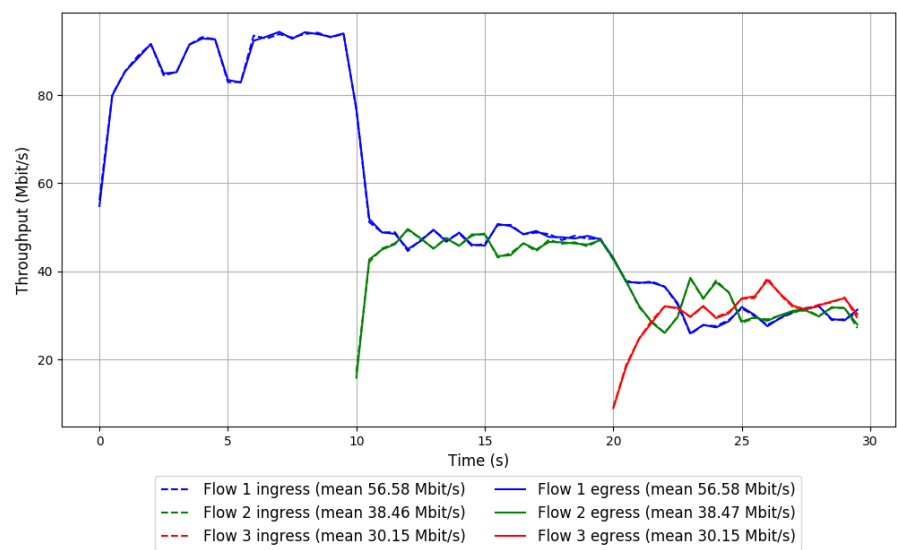


Run 3: Statistics of Copa

Start at: 2018-03-13 18:20:15
End at: 2018-03-13 18:20:45
Local clock offset: 6.503 ms
Remote clock offset: -3.135 ms

Below is generated by plot.py at 2018-03-13 22:01:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 16.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 15.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 16.423 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 17.306 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-03-13 18:41:28

End at: 2018-03-13 18:41:58

Local clock offset: 6.118 ms

Remote clock offset: 4.519 ms

Below is generated by plot.py at 2018-03-13 22:01:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.81 Mbit/s

95th percentile per-packet one-way delay: 15.817 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.96 Mbit/s

95th percentile per-packet one-way delay: 15.181 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.31 Mbit/s

95th percentile per-packet one-way delay: 15.936 ms

Loss rate: 0.00%

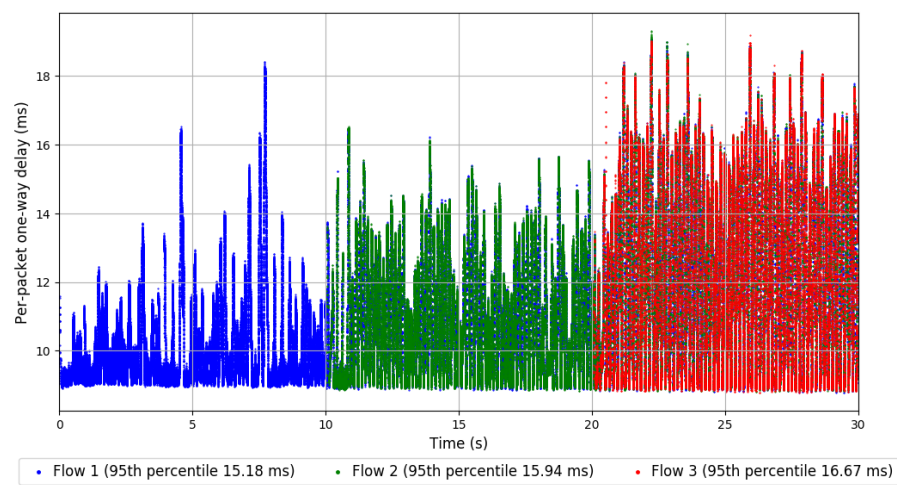
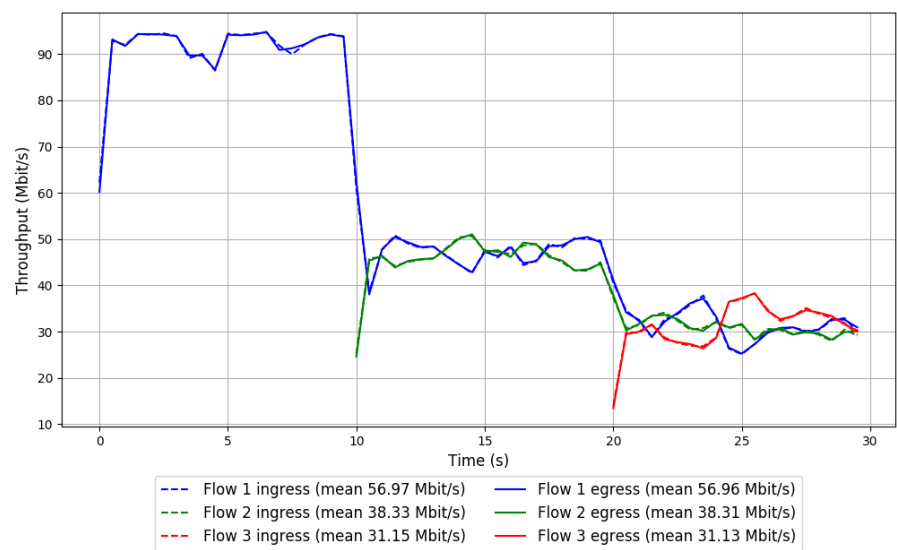
-- Flow 3:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 16.672 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-13 19:02:46

End at: 2018-03-13 19:03:16

Local clock offset: 4.217 ms

Remote clock offset: 9.168 ms

Below is generated by plot.py at 2018-03-13 22:01:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 16.674 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.45 Mbit/s

95th percentile per-packet one-way delay: 16.094 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.17 Mbit/s

95th percentile per-packet one-way delay: 16.834 ms

Loss rate: 0.00%

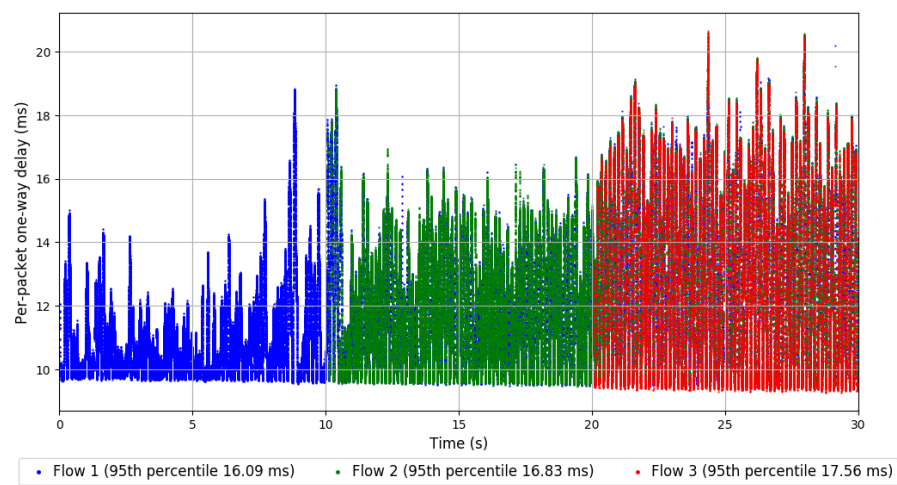
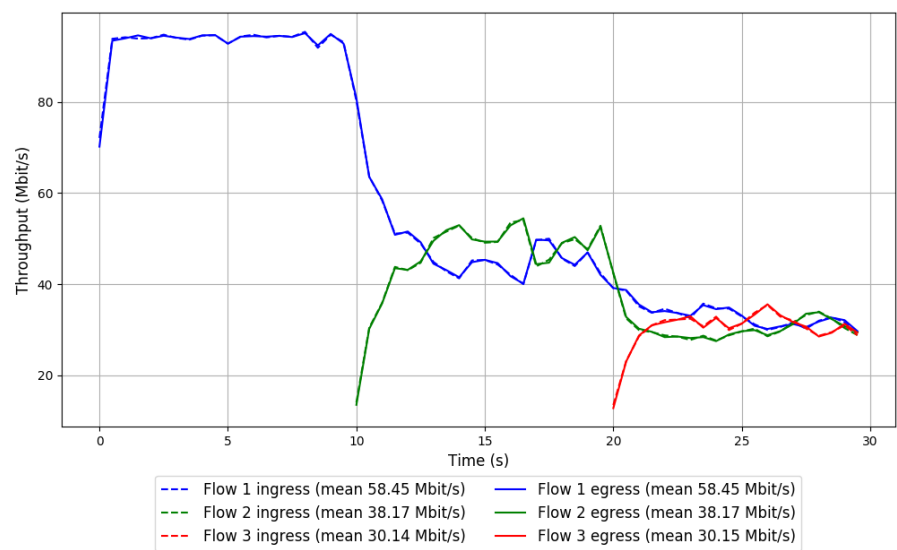
-- Flow 3:

Average throughput: 30.15 Mbit/s

95th percentile per-packet one-way delay: 17.559 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

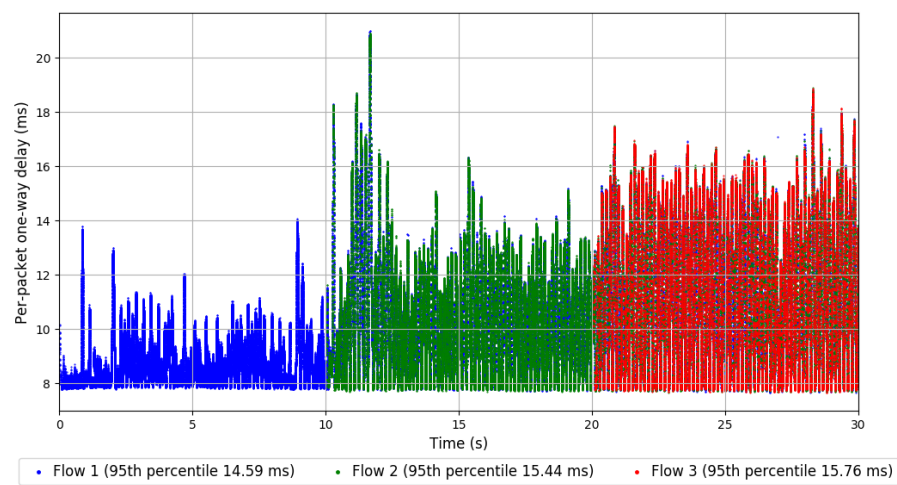
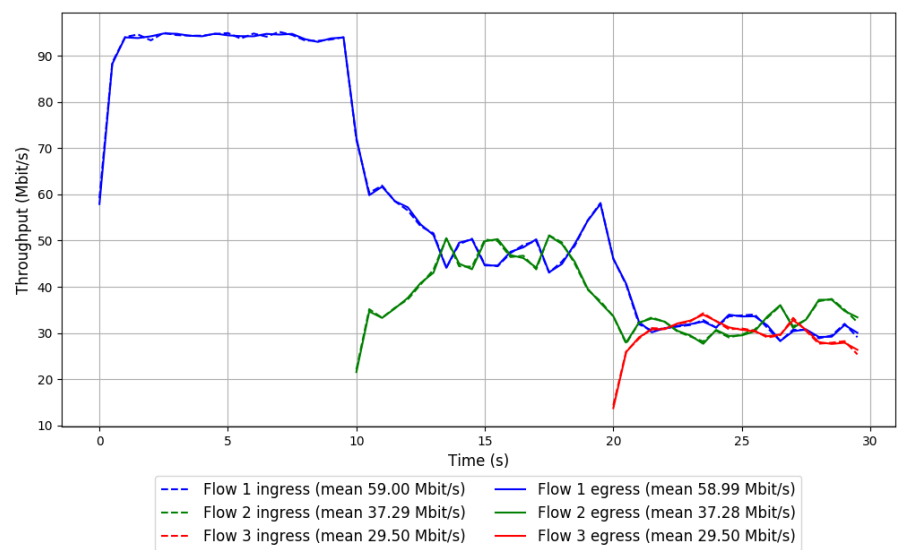


Run 6: Statistics of Copa

Start at: 2018-03-13 19:23:53
End at: 2018-03-13 19:24:23
Local clock offset: 5.934 ms
Remote clock offset: 15.044 ms

```
# Below is generated by plot.py at 2018-03-13 22:01:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 15.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 14.591 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 15.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 15.758 ms
Loss rate: 0.00%
```


Run 6: Report of Copa — Data Link

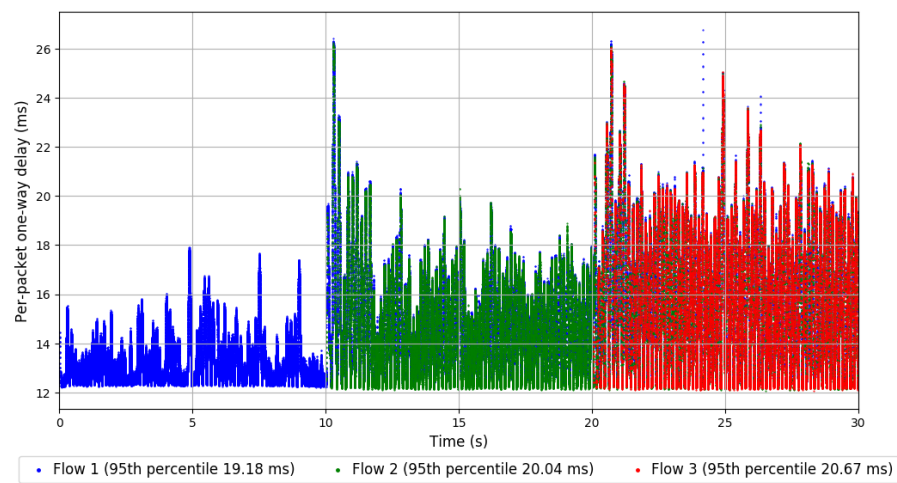
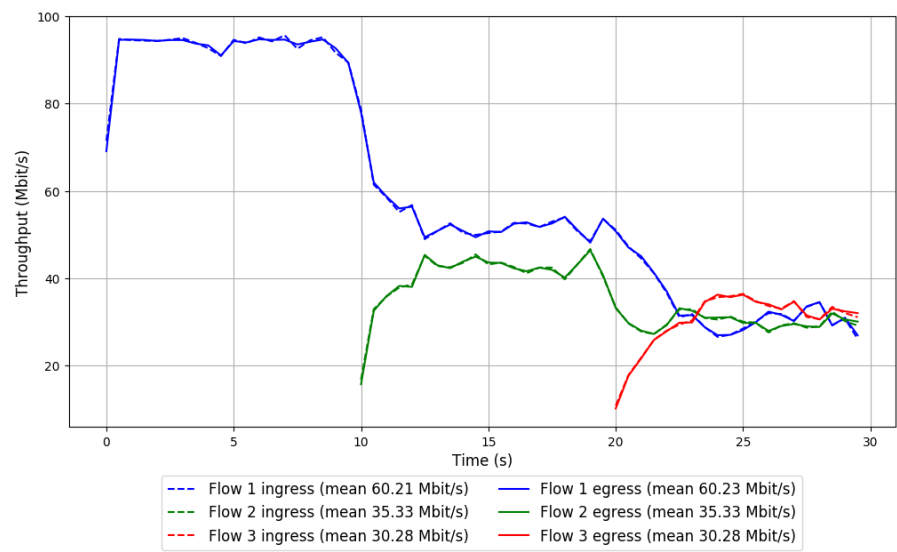


Run 7: Statistics of Copa

Start at: 2018-03-13 19:45:04
End at: 2018-03-13 19:45:34
Local clock offset: 2.98 ms
Remote clock offset: 17.255 ms

```
# Below is generated by plot.py at 2018-03-13 22:01:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 19.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.23 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 20.037 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 20.670 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

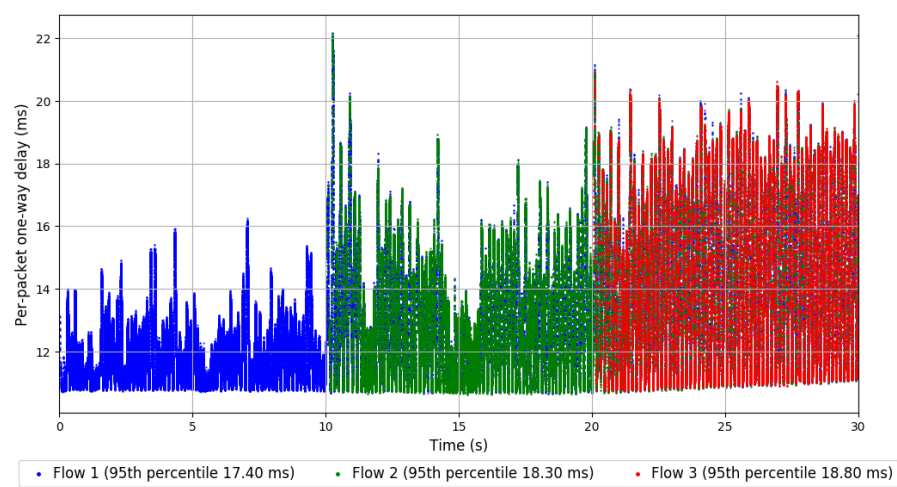
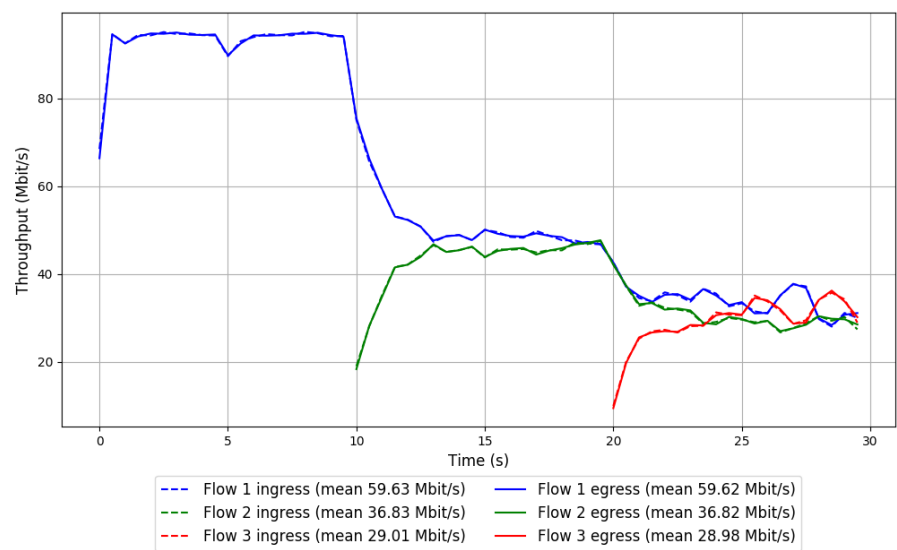


Run 8: Statistics of Copa

Start at: 2018-03-13 20:06:24
End at: 2018-03-13 20:06:54
Local clock offset: 1.933 ms
Remote clock offset: 18.146 ms

```
# Below is generated by plot.py at 2018-03-13 22:02:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 18.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 17.404 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 18.300 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 18.801 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-03-13 20:27:56

End at: 2018-03-13 20:28:26

Local clock offset: 1.964 ms

Remote clock offset: -2.42 ms

Below is generated by plot.py at 2018-03-13 22:03:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.61 Mbit/s

95th percentile per-packet one-way delay: 18.675 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.27 Mbit/s

95th percentile per-packet one-way delay: 17.930 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.34 Mbit/s

95th percentile per-packet one-way delay: 19.078 ms

Loss rate: 0.00%

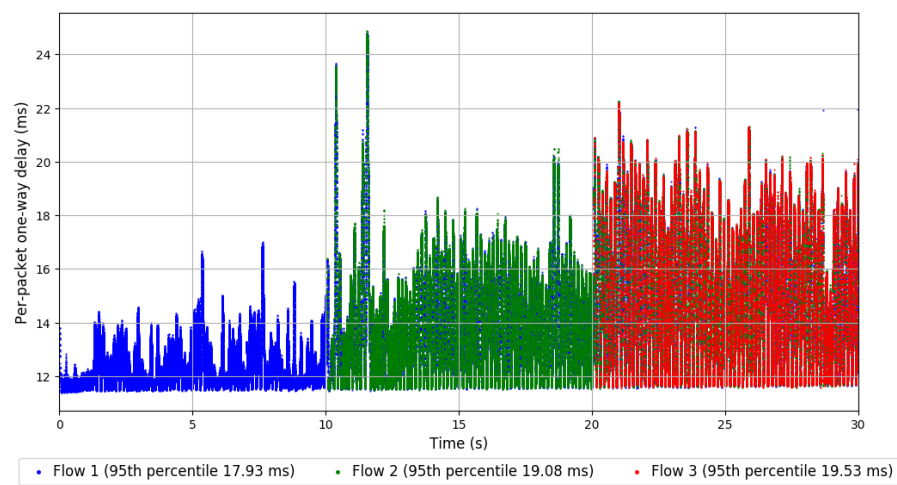
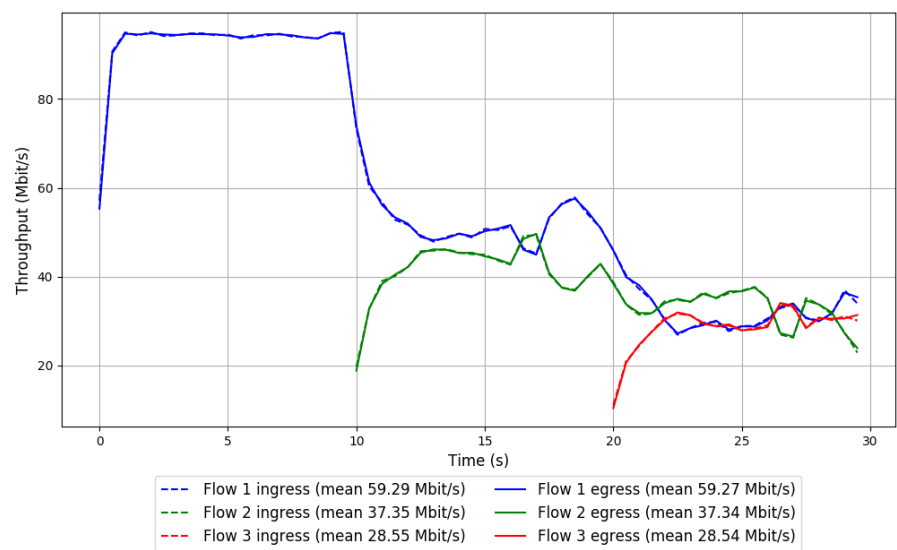
-- Flow 3:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 19.533 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

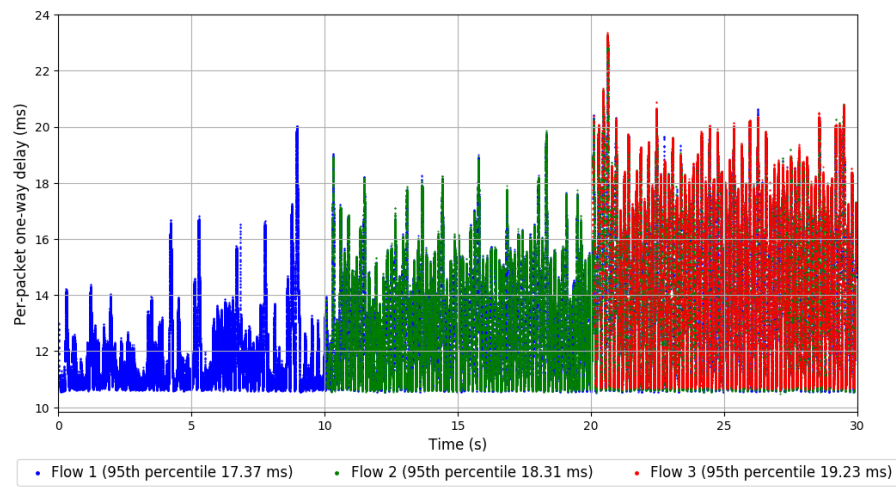
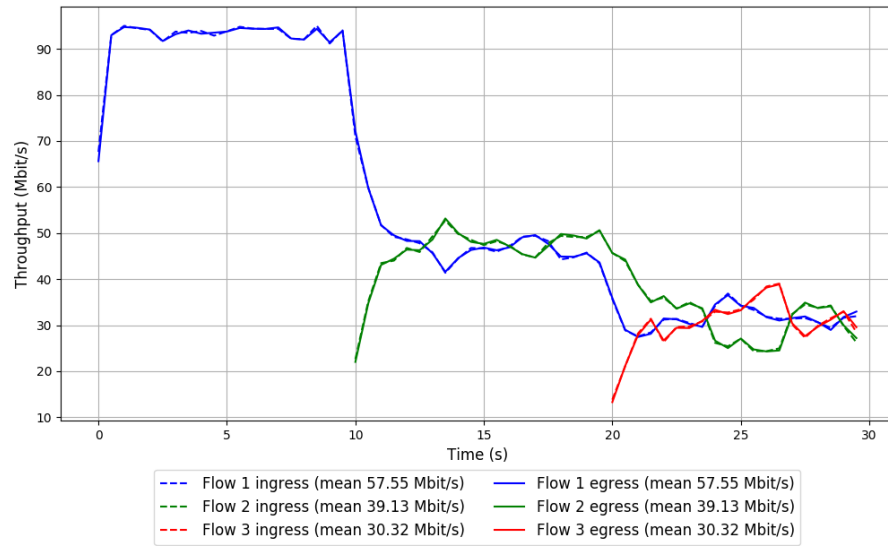


Run 10: Statistics of Copa

Start at: 2018-03-13 20:49:54
End at: 2018-03-13 20:50:24
Local clock offset: 3.688 ms
Remote clock offset: -4.563 ms

Below is generated by plot.py at 2018-03-13 22:03:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 18.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 17.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 18.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 19.229 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

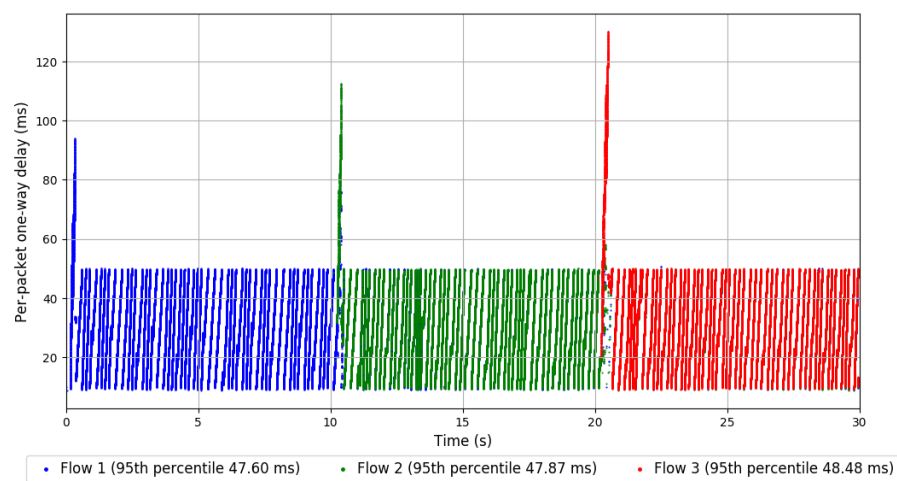
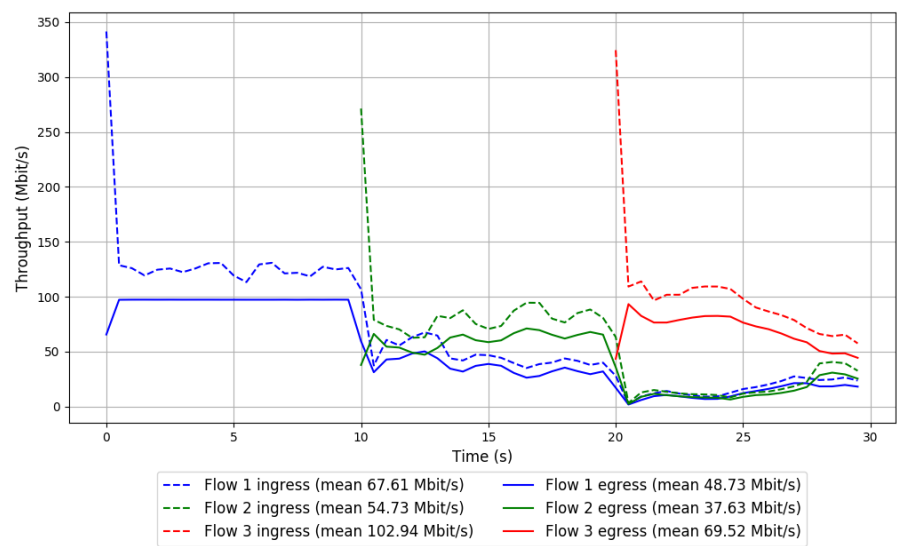


Run 1: Statistics of FillP

Start at: 2018-03-13 17:52:10
End at: 2018-03-13 17:52:40
Local clock offset: 5.038 ms
Remote clock offset: -2.191 ms

Below is generated by plot.py at 2018-03-13 22:03:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 47.870 ms
Loss rate: 29.97%
-- Flow 1:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 47.597 ms
Loss rate: 27.91%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 47.872 ms
Loss rate: 31.32%
-- Flow 3:
Average throughput: 69.52 Mbit/s
95th percentile per-packet one-way delay: 48.478 ms
Loss rate: 32.62%

Run 1: Report of FillP — Data Link

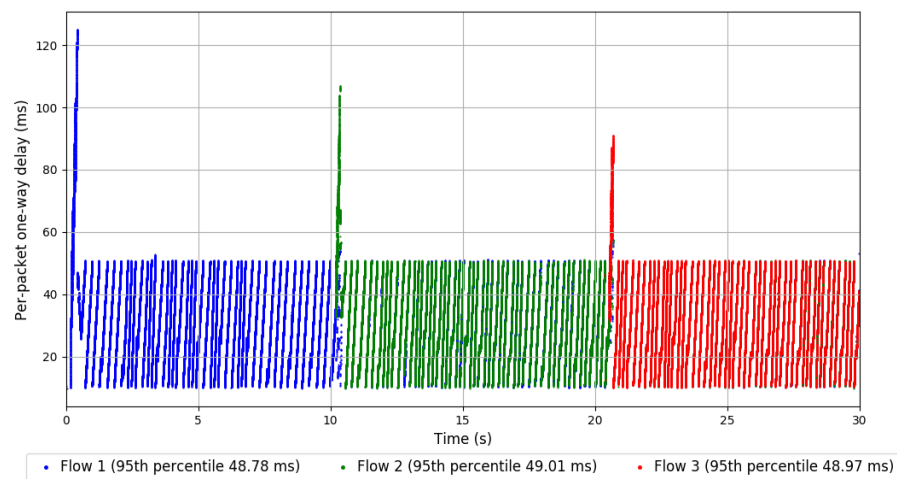
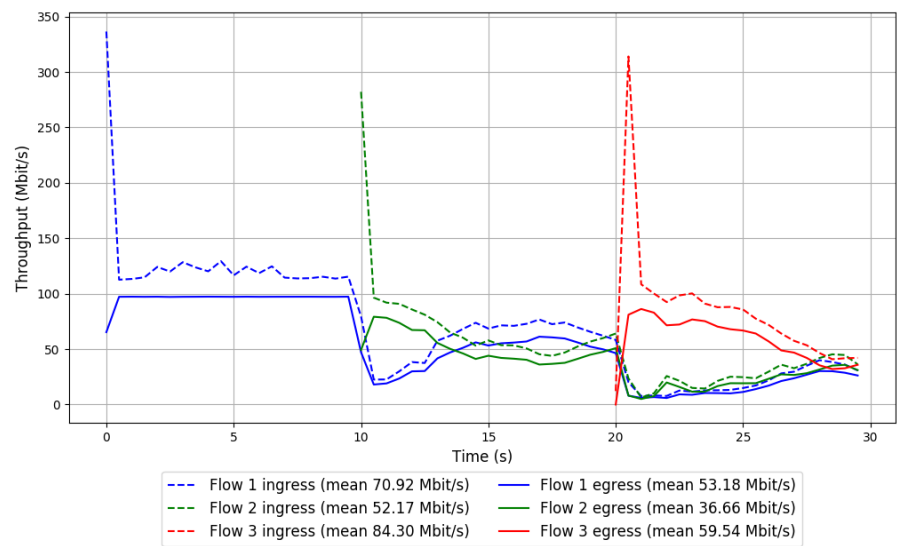


Run 2: Statistics of FillP

Start at: 2018-03-13 18:13:19
End at: 2018-03-13 18:13:49
Local clock offset: 5.711 ms
Remote clock offset: -2.579 ms

Below is generated by plot.py at 2018-03-13 22:03:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 48.869 ms
Loss rate: 27.53%
-- Flow 1:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 48.783 ms
Loss rate: 24.91%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 49.010 ms
Loss rate: 29.64%
-- Flow 3:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 48.973 ms
Loss rate: 31.57%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-03-13 18:34:30

End at: 2018-03-13 18:35:00

Local clock offset: 4.377 ms

Remote clock offset: 4.268 ms

Below is generated by plot.py at 2018-03-13 22:03:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 51.829 ms

Loss rate: 29.08%

-- Flow 1:

Average throughput: 51.37 Mbit/s

95th percentile per-packet one-way delay: 51.444 ms

Loss rate: 27.00%

-- Flow 2:

Average throughput: 37.29 Mbit/s

95th percentile per-packet one-way delay: 52.327 ms

Loss rate: 31.03%

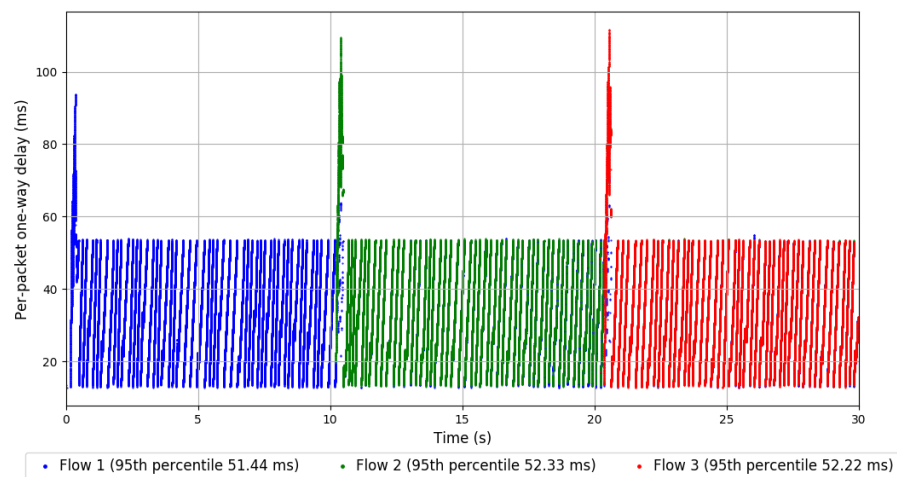
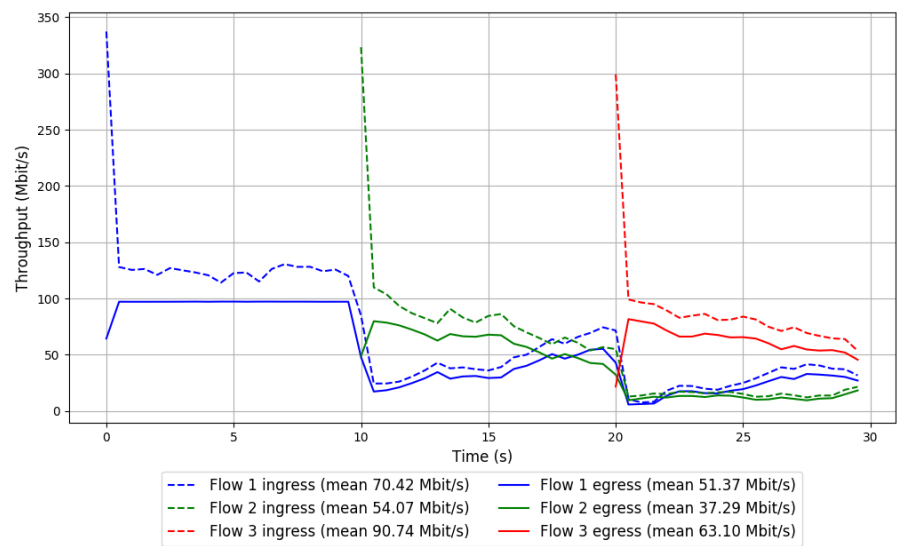
-- Flow 3:

Average throughput: 63.10 Mbit/s

95th percentile per-packet one-way delay: 52.222 ms

Loss rate: 31.64%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-03-13 18:55:48

End at: 2018-03-13 18:56:18

Local clock offset: 4.11 ms

Remote clock offset: 6.716 ms

Below is generated by plot.py at 2018-03-13 22:03:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 49.142 ms

Loss rate: 28.77%

-- Flow 1:

Average throughput: 52.39 Mbit/s

95th percentile per-packet one-way delay: 48.981 ms

Loss rate: 25.88%

-- Flow 2:

Average throughput: 40.83 Mbit/s

95th percentile per-packet one-way delay: 49.084 ms

Loss rate: 30.22%

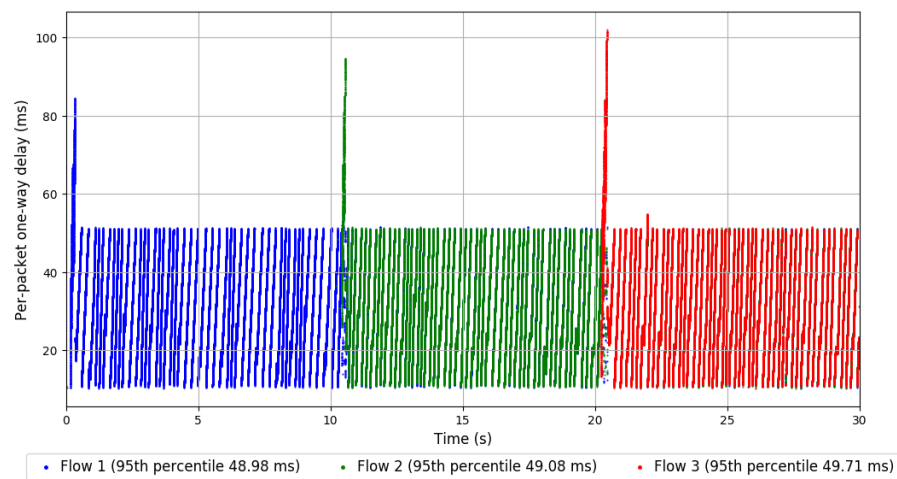
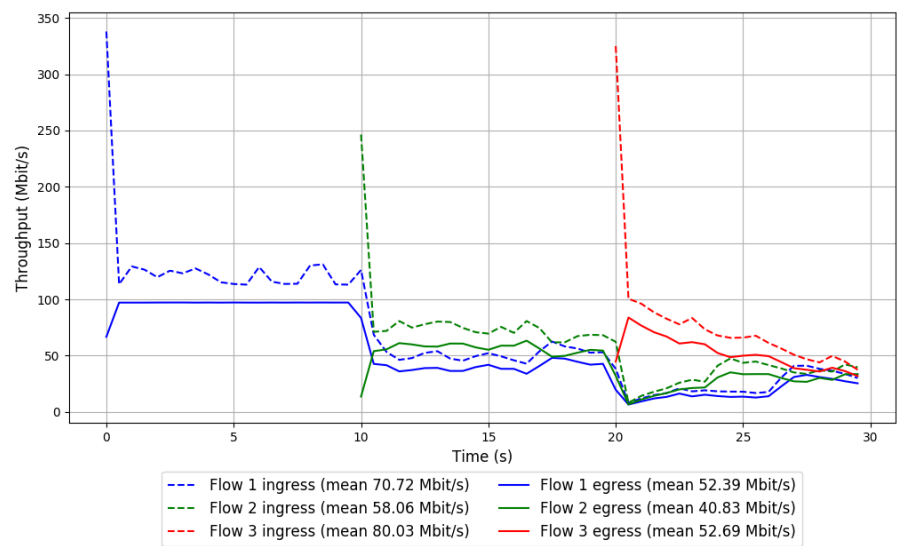
-- Flow 3:

Average throughput: 52.69 Mbit/s

95th percentile per-packet one-way delay: 49.708 ms

Loss rate: 34.34%

Run 4: Report of FillP — Data Link

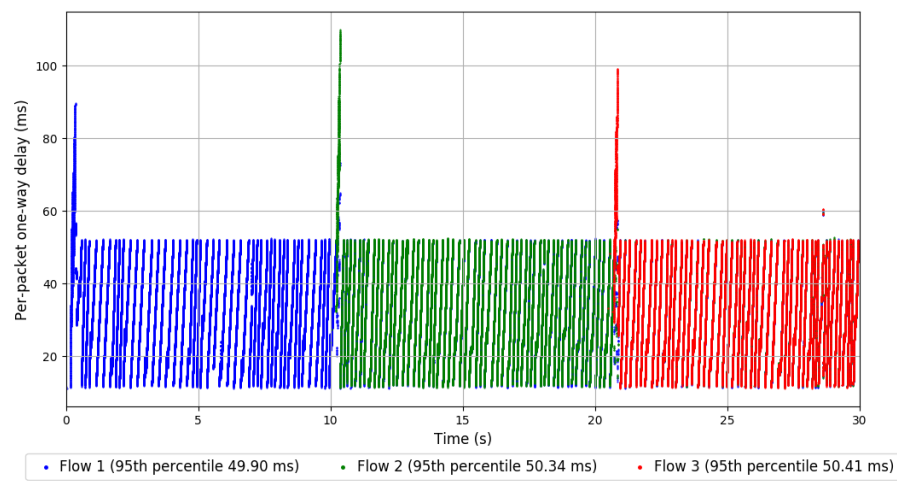
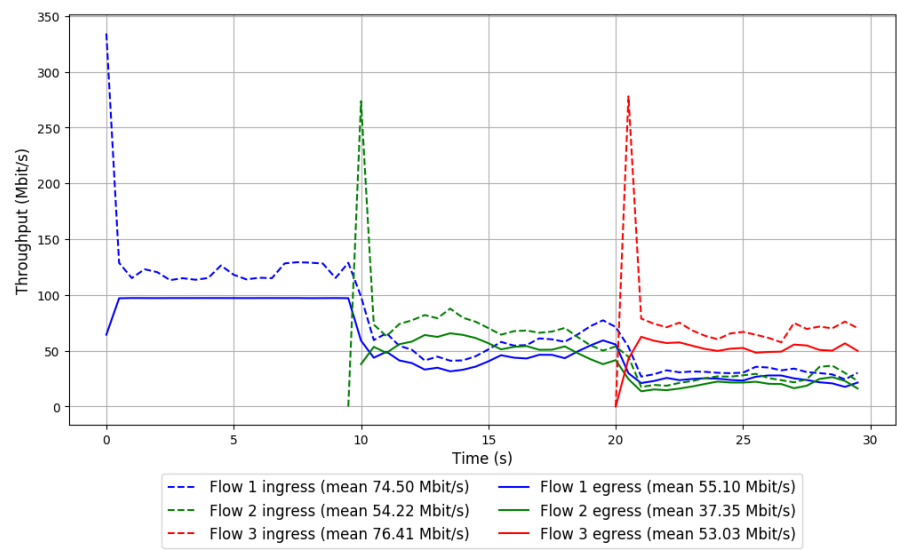


Run 5: Statistics of FillP

Start at: 2018-03-13 19:16:56
End at: 2018-03-13 19:17:26
Local clock offset: 3.186 ms
Remote clock offset: 14.466 ms

Below is generated by plot.py at 2018-03-13 22:03:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 50.102 ms
Loss rate: 28.86%
-- Flow 1:
Average throughput: 55.10 Mbit/s
95th percentile per-packet one-way delay: 49.903 ms
Loss rate: 26.03%
-- Flow 2:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 50.341 ms
Loss rate: 31.15%
-- Flow 3:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 50.407 ms
Loss rate: 33.91%

Run 5: Report of FillP — Data Link

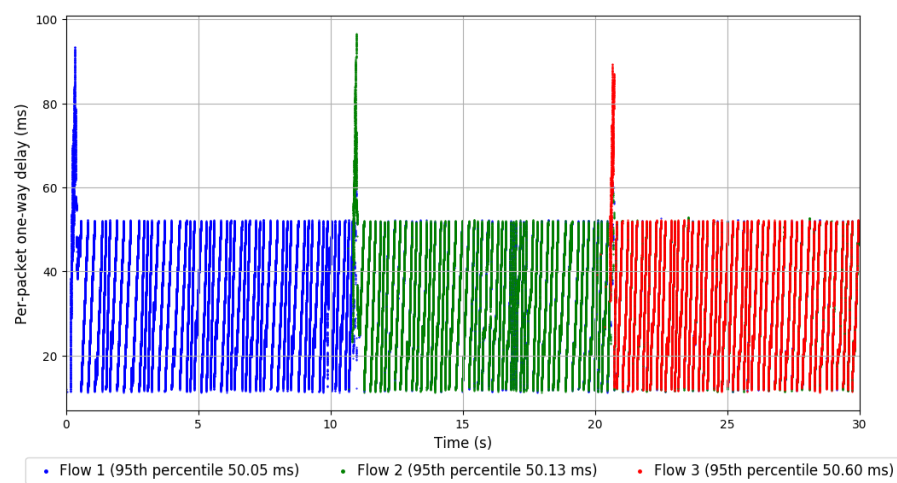
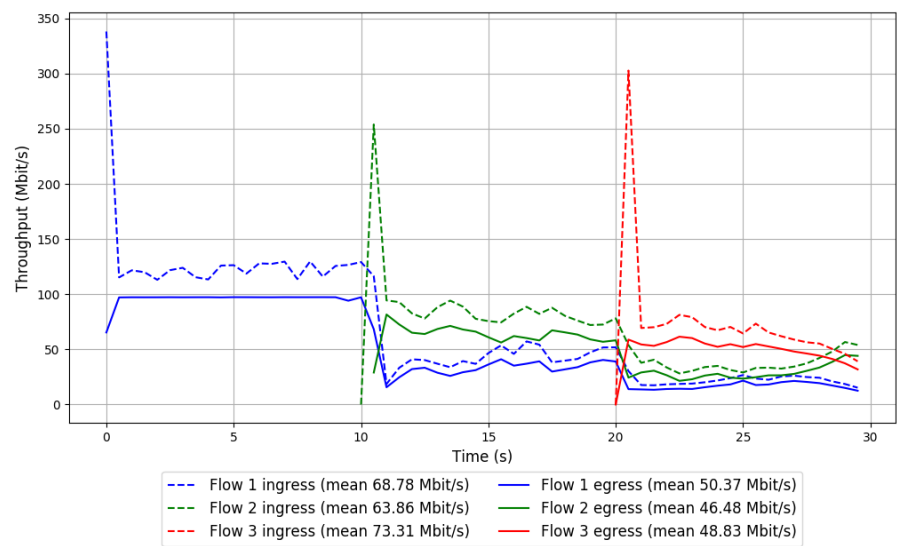


Run 6: Statistics of FillP

Start at: 2018-03-13 19:38:04
End at: 2018-03-13 19:38:34
Local clock offset: 4.692 ms
Remote clock offset: 18.144 ms

Below is generated by plot.py at 2018-03-13 22:04:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 50.162 ms
Loss rate: 28.68%
-- Flow 1:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 50.054 ms
Loss rate: 26.76%
-- Flow 2:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 50.130 ms
Loss rate: 28.99%
-- Flow 3:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 50.605 ms
Loss rate: 33.57%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-03-13 19:59:24

End at: 2018-03-13 19:59:54

Local clock offset: 1.821 ms

Remote clock offset: 17.47 ms

Below is generated by plot.py at 2018-03-13 22:04:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 50.206 ms

Loss rate: 29.04%

-- Flow 1:

Average throughput: 49.67 Mbit/s

95th percentile per-packet one-way delay: 49.994 ms

Loss rate: 26.57%

-- Flow 2:

Average throughput: 42.21 Mbit/s

95th percentile per-packet one-way delay: 50.217 ms

Loss rate: 30.32%

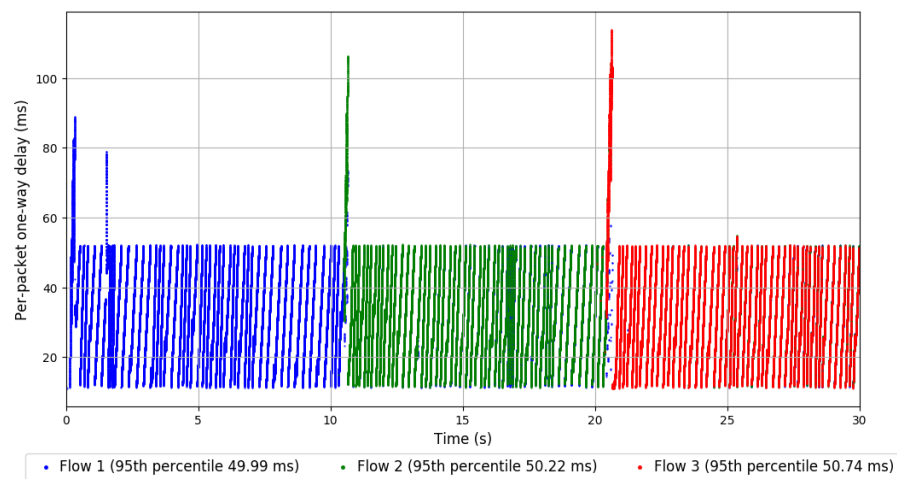
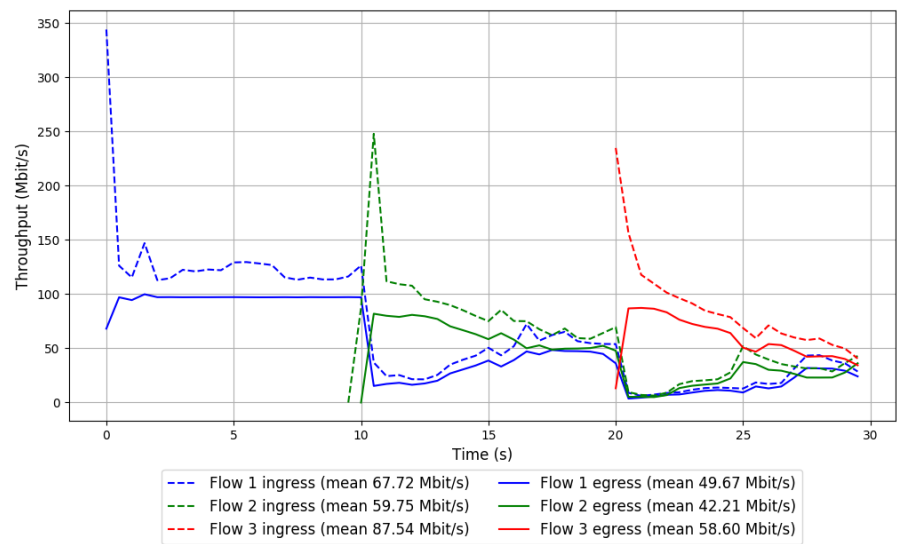
-- Flow 3:

Average throughput: 58.60 Mbit/s

95th percentile per-packet one-way delay: 50.741 ms

Loss rate: 33.05%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-13 20:20:54

End at: 2018-03-13 20:21:24

Local clock offset: 1.918 ms

Remote clock offset: 0.694 ms

Below is generated by plot.py at 2018-03-13 22:05:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.68 Mbit/s

95th percentile per-packet one-way delay: 49.229 ms

Loss rate: 28.38%

-- Flow 1:

Average throughput: 48.42 Mbit/s

95th percentile per-packet one-way delay: 49.127 ms

Loss rate: 25.49%

-- Flow 2:

Average throughput: 40.47 Mbit/s

95th percentile per-packet one-way delay: 49.250 ms

Loss rate: 31.03%

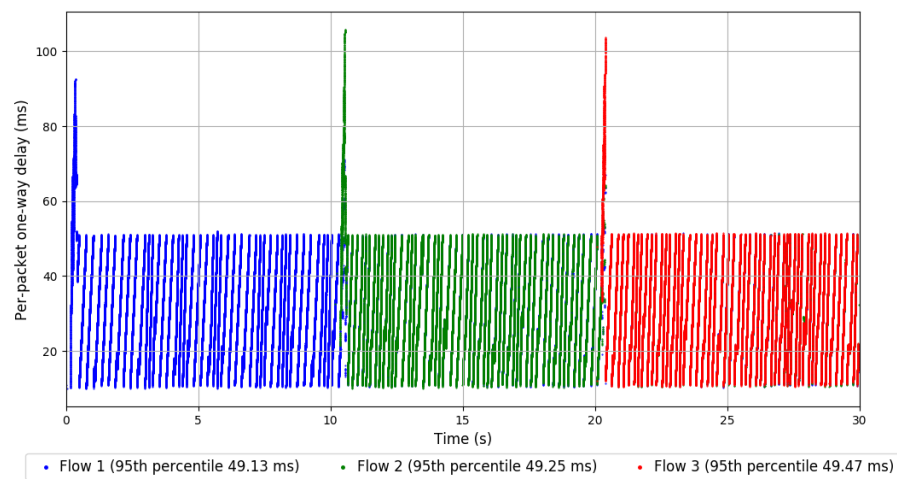
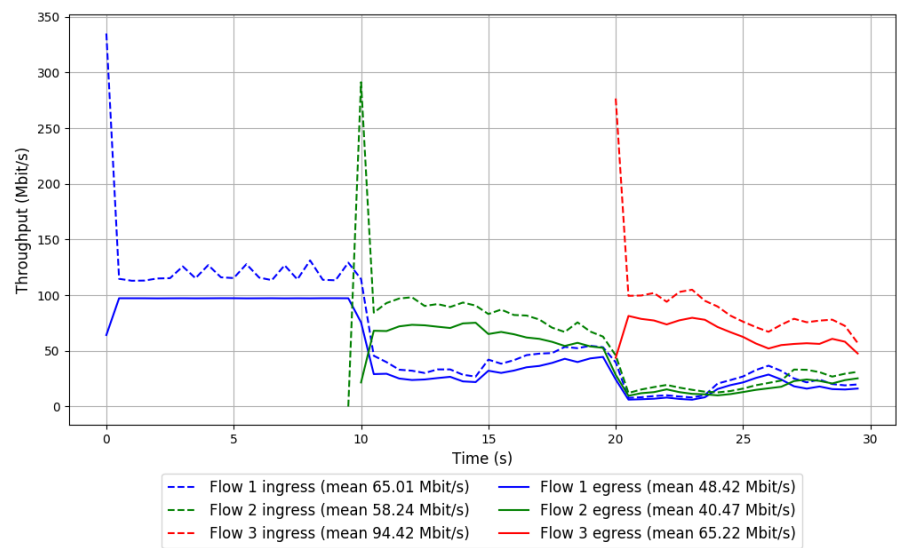
-- Flow 3:

Average throughput: 65.22 Mbit/s

95th percentile per-packet one-way delay: 49.467 ms

Loss rate: 31.10%

Run 8: Report of FillP — Data Link

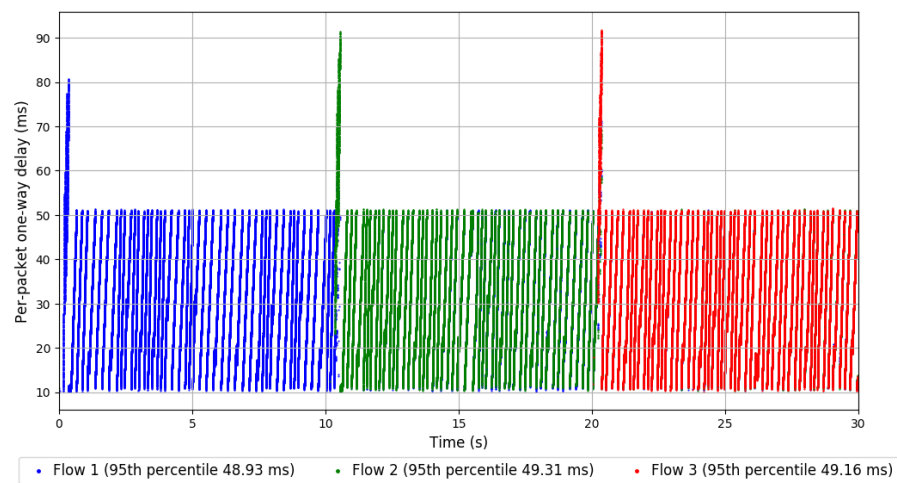
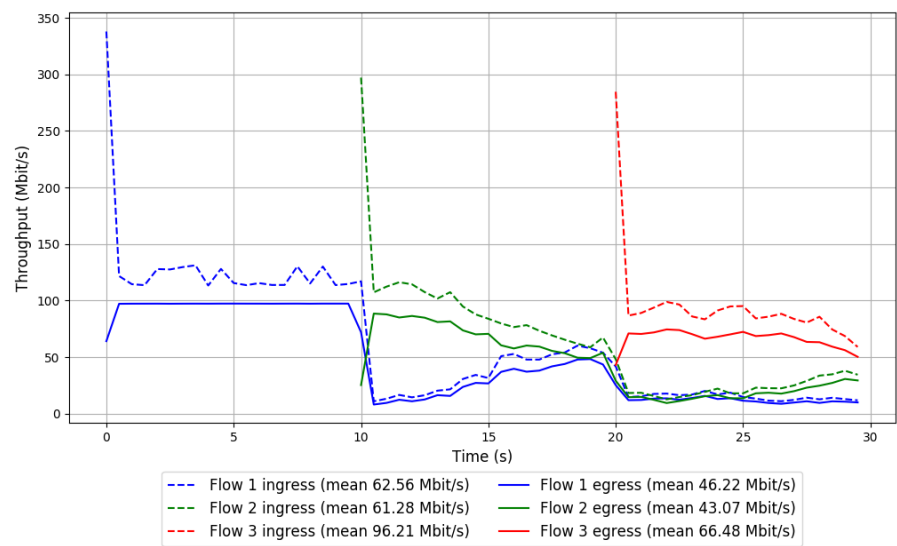


Run 9: Statistics of FillP

Start at: 2018-03-13 20:42:54
End at: 2018-03-13 20:43:24
Local clock offset: 4.231 ms
Remote clock offset: -5.192 ms

Below is generated by plot.py at 2018-03-13 22:05:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 49.095 ms
Loss rate: 28.49%
-- Flow 1:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 48.929 ms
Loss rate: 26.12%
-- Flow 2:
Average throughput: 43.07 Mbit/s
95th percentile per-packet one-way delay: 49.306 ms
Loss rate: 30.24%
-- Flow 3:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 49.165 ms
Loss rate: 30.89%

Run 9: Report of FillP — Data Link

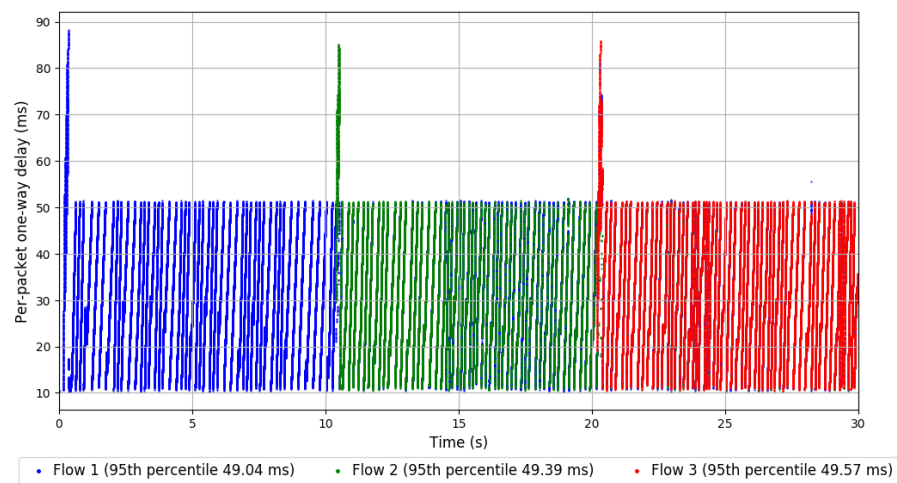
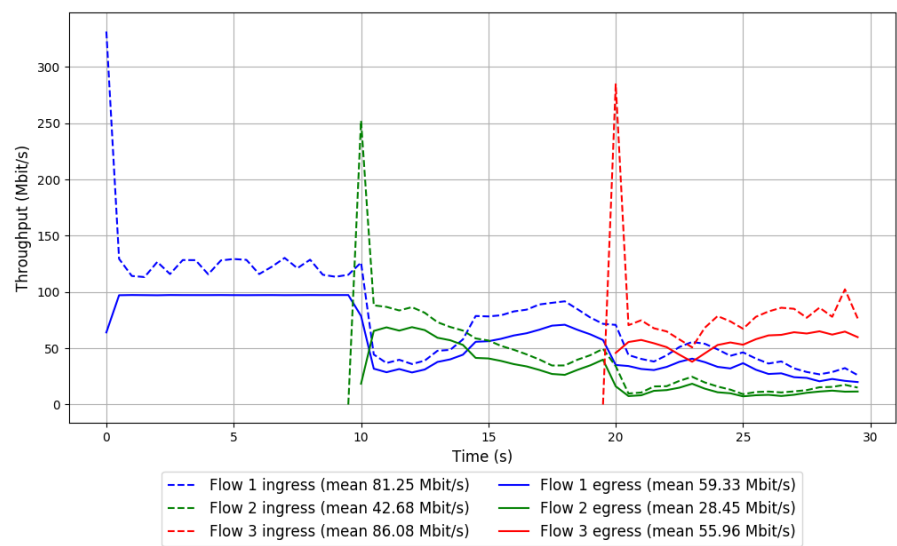


Run 10: Statistics of FillP

Start at: 2018-03-13 21:04:13
End at: 2018-03-13 21:04:43
Local clock offset: 3.86 ms
Remote clock offset: -4.985 ms

Below is generated by plot.py at 2018-03-13 22:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 49.209 ms
Loss rate: 29.99%
-- Flow 1:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 49.037 ms
Loss rate: 26.92%
-- Flow 2:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 49.390 ms
Loss rate: 33.83%
-- Flow 3:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 49.573 ms
Loss rate: 34.90%

Run 10: Report of FillP — Data Link

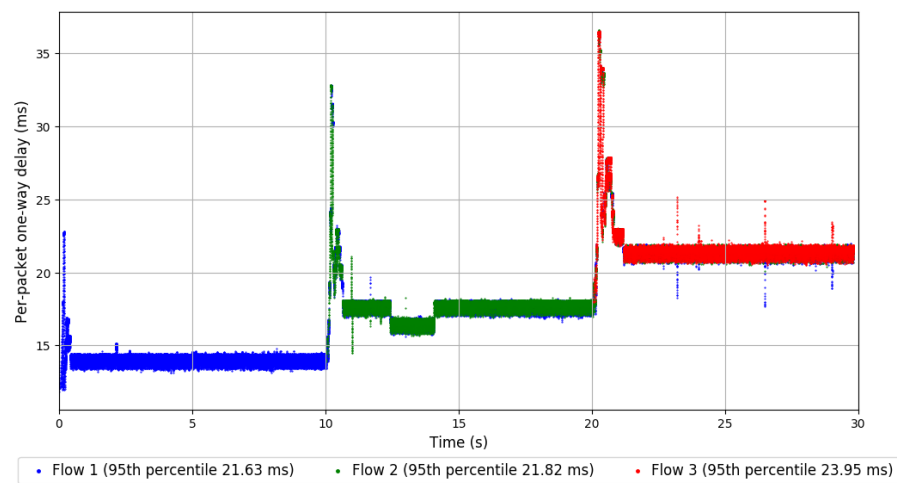
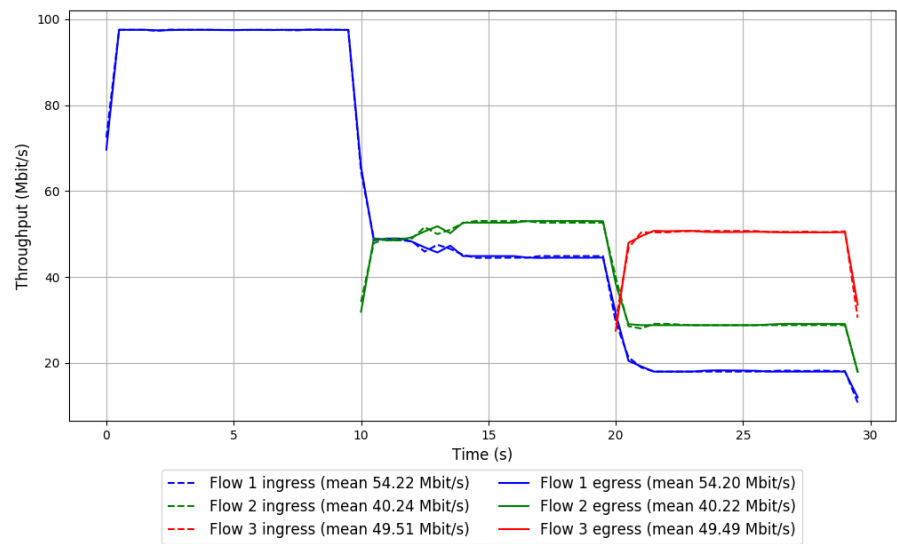


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-03-13 17:39:02
End at: 2018-03-13 17:39:32
Local clock offset: 3.743 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-03-13 22:05:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 21.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 21.631 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 21.819 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.49 Mbit/s
95th percentile per-packet one-way delay: 23.950 ms
Loss rate: 0.00%
```

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

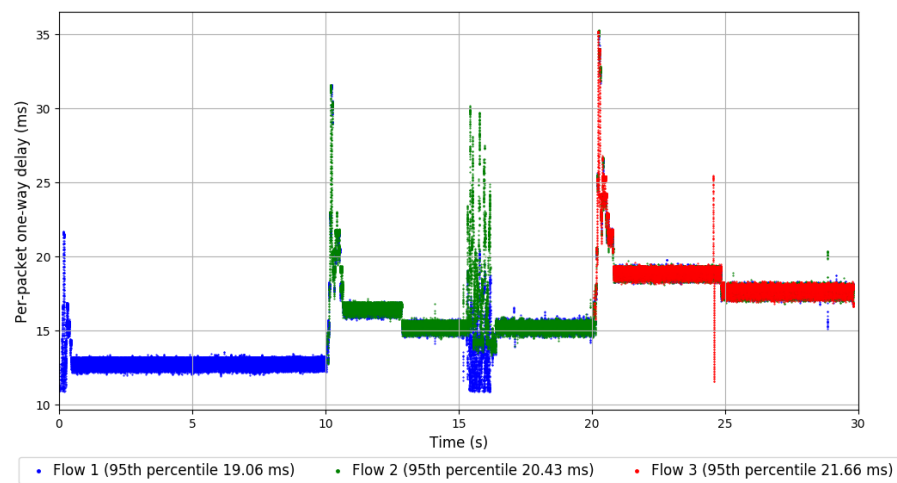
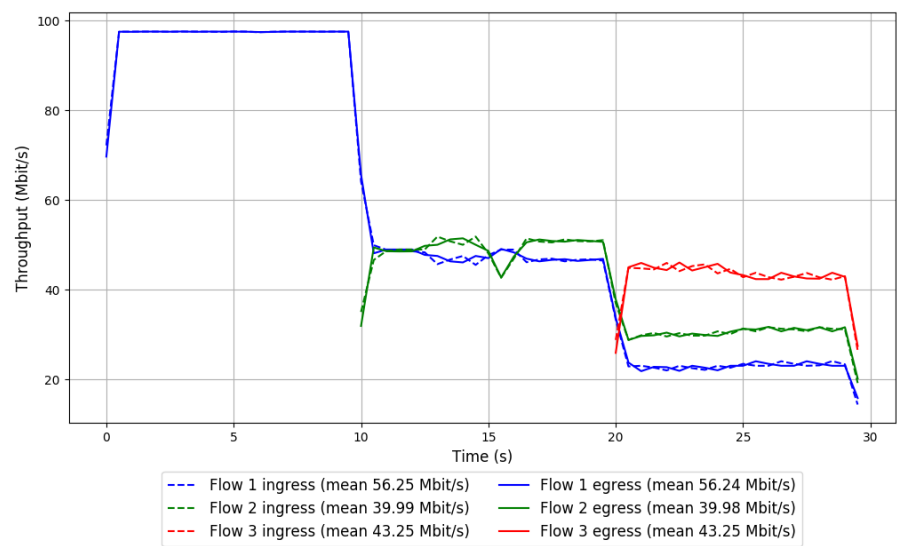


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-13 18:00:21
End at: 2018-03-13 18:00:51
Local clock offset: 3.266 ms
Remote clock offset: -2.427 ms

Below is generated by plot.py at 2018-03-13 22:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 20.435 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 21.656 ms
Loss rate: 0.00%

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

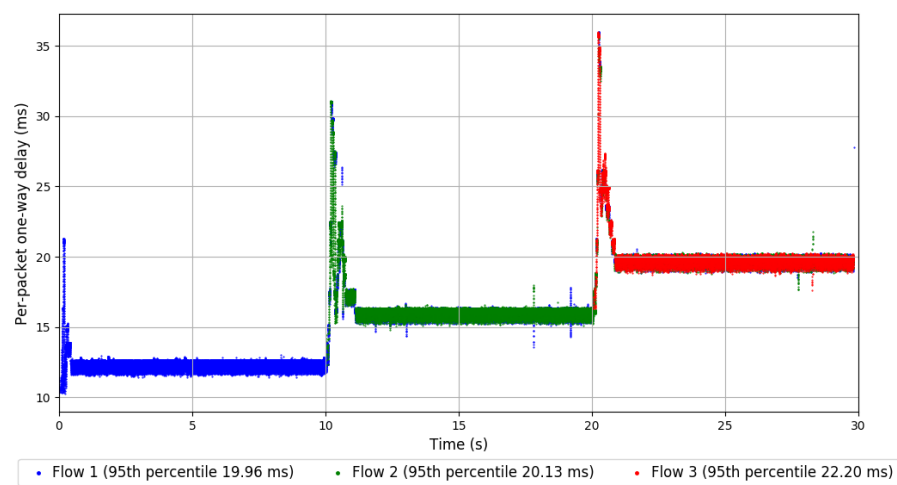
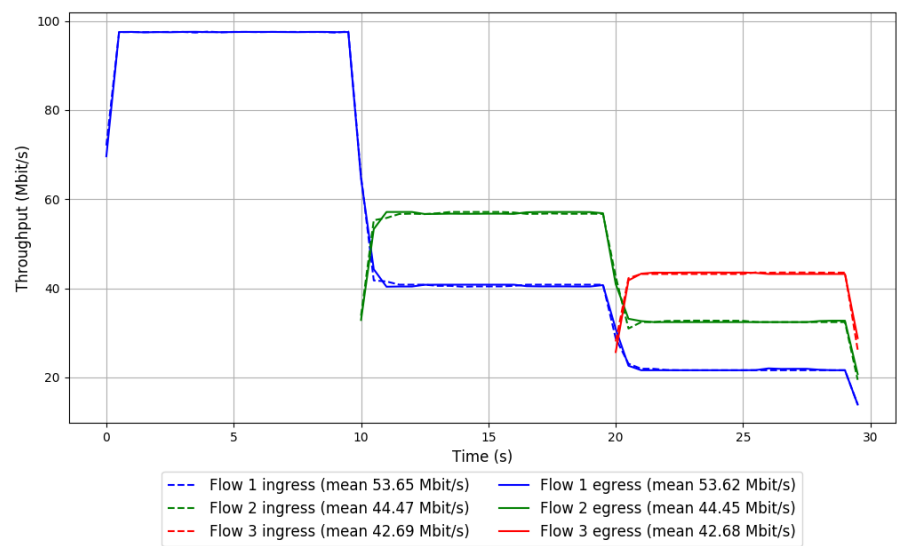


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-13 18:21:28
End at: 2018-03-13 18:21:58
Local clock offset: 4.805 ms
Remote clock offset: -3.601 ms

Below is generated by plot.py at 2018-03-13 22:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 20.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.62 Mbit/s
95th percentile per-packet one-way delay: 19.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 20.129 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 22.196 ms
Loss rate: 0.00%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-13 18:42:44

End at: 2018-03-13 18:43:14

Local clock offset: 4.33 ms

Remote clock offset: 6.127 ms

Below is generated by plot.py at 2018-03-13 22:05:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 21.029 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.31 Mbit/s

95th percentile per-packet one-way delay: 20.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.65 Mbit/s

95th percentile per-packet one-way delay: 21.065 ms

Loss rate: 0.00%

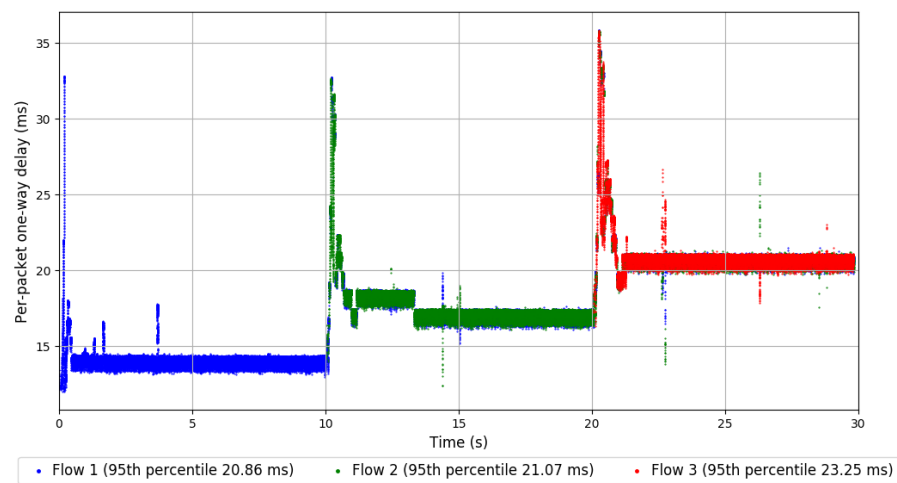
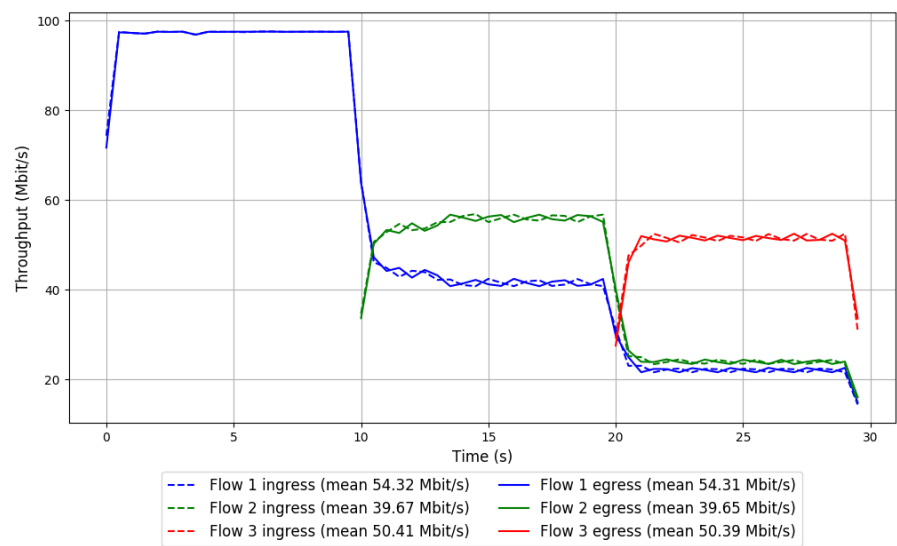
-- Flow 3:

Average throughput: 50.39 Mbit/s

95th percentile per-packet one-way delay: 23.251 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-03-13 19:04:00

End at: 2018-03-13 19:04:30

Local clock offset: 3.418 ms

Remote clock offset: 9.868 ms

Below is generated by plot.py at 2018-03-13 22:06:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 19.847 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.68 Mbit/s

95th percentile per-packet one-way delay: 19.279 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.46 Mbit/s

95th percentile per-packet one-way delay: 20.387 ms

Loss rate: 0.00%

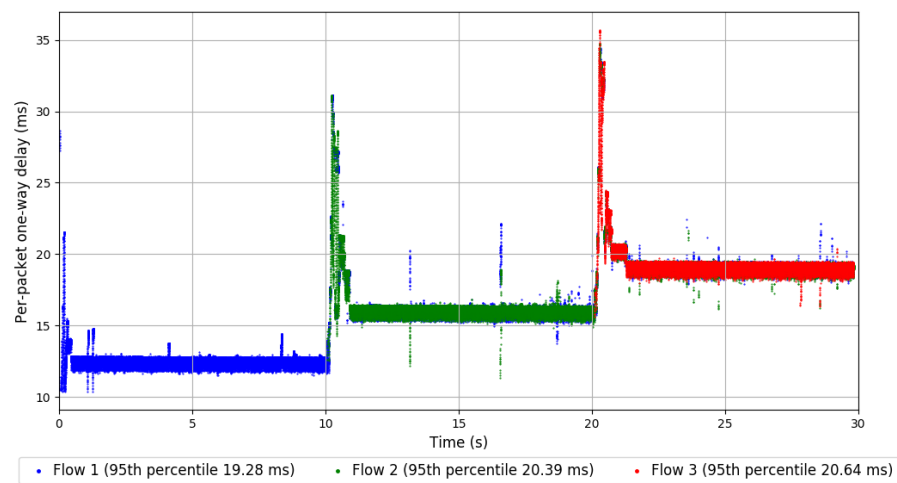
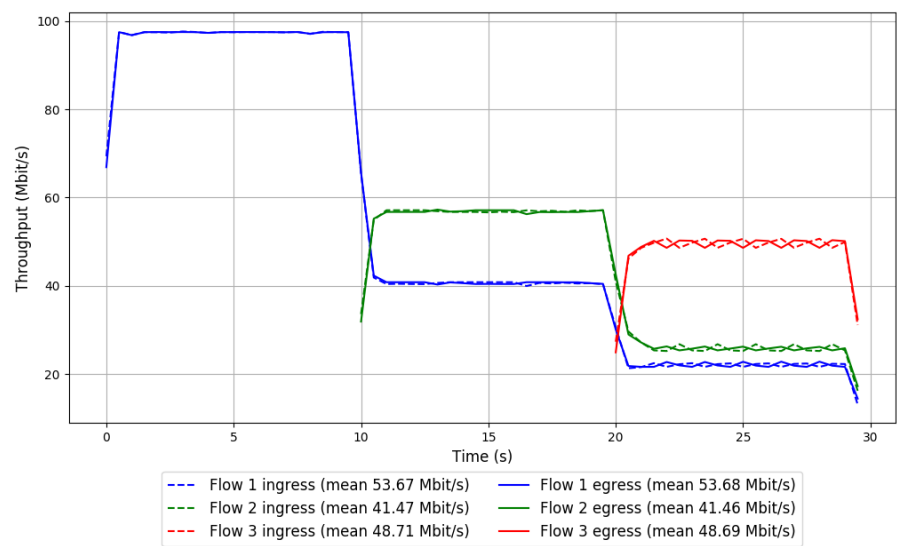
-- Flow 3:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 20.640 ms

Loss rate: 0.00%

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

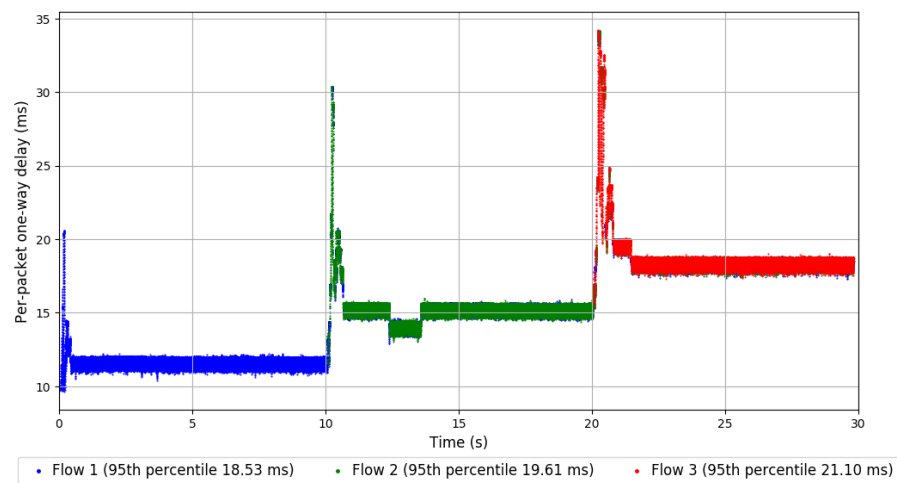
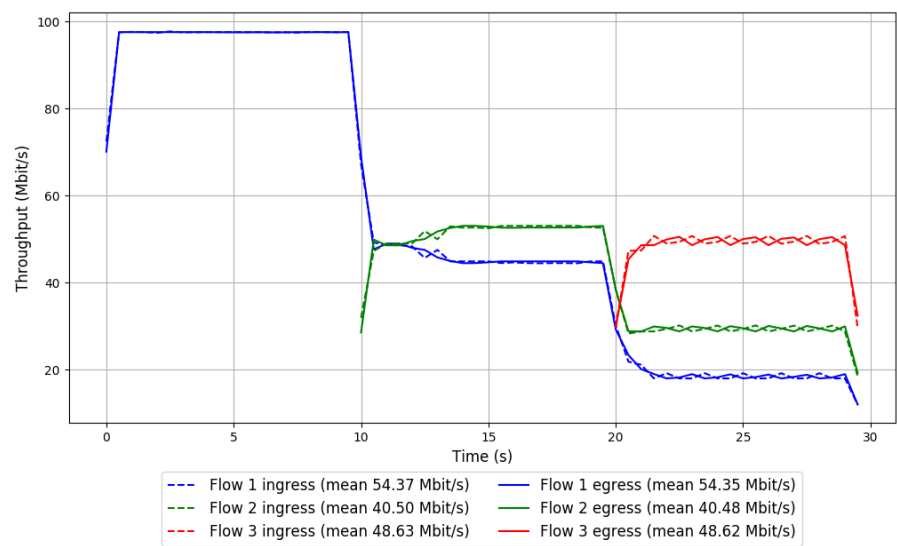


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-13 19:25:06
End at: 2018-03-13 19:25:36
Local clock offset: 4.511 ms
Remote clock offset: 15.752 ms

Below is generated by plot.py at 2018-03-13 22:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 19.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 18.528 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 19.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 21.097 ms
Loss rate: 0.00%

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

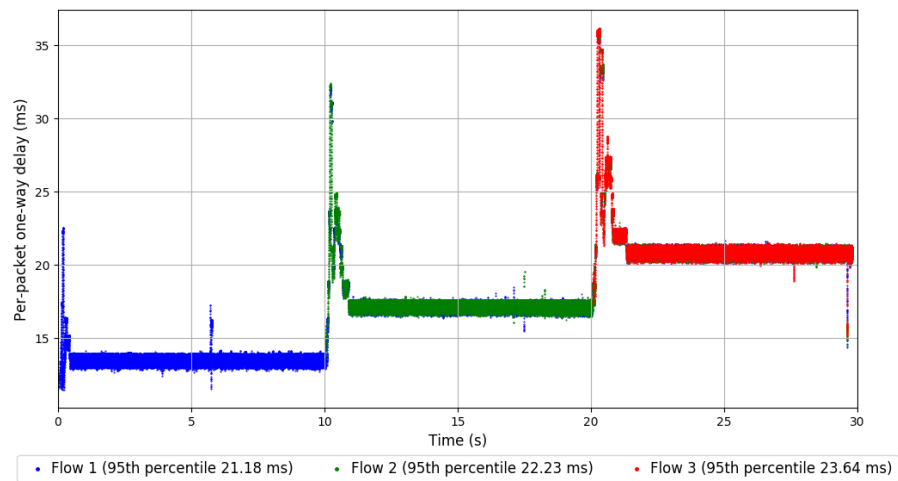
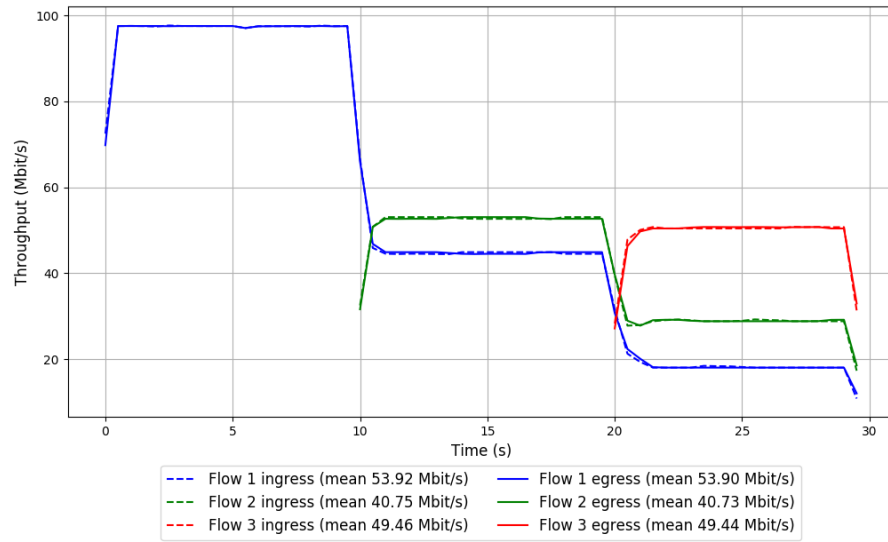


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-13 19:46:21
End at: 2018-03-13 19:46:51
Local clock offset: 3.213 ms
Remote clock offset: 16.894 ms

Below is generated by plot.py at 2018-03-13 22:06:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 21.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.90 Mbit/s
95th percentile per-packet one-way delay: 21.179 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 22.233 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 23.638 ms
Loss rate: 0.00%

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

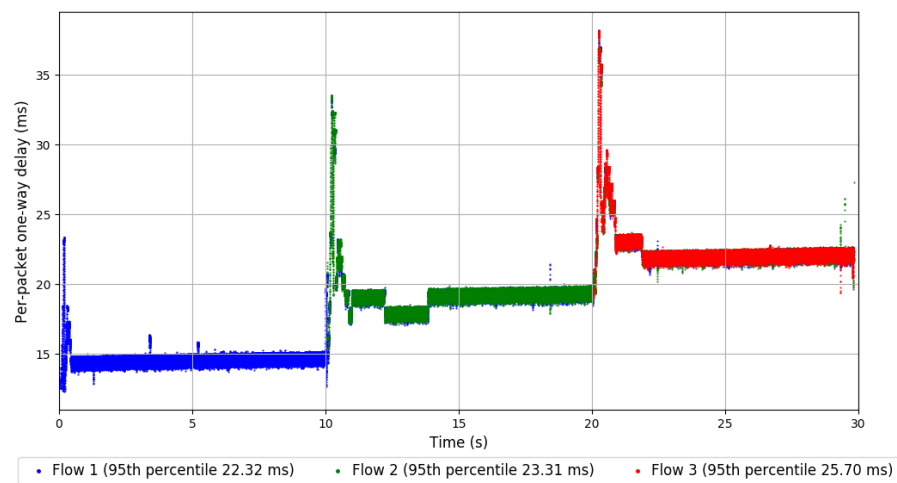
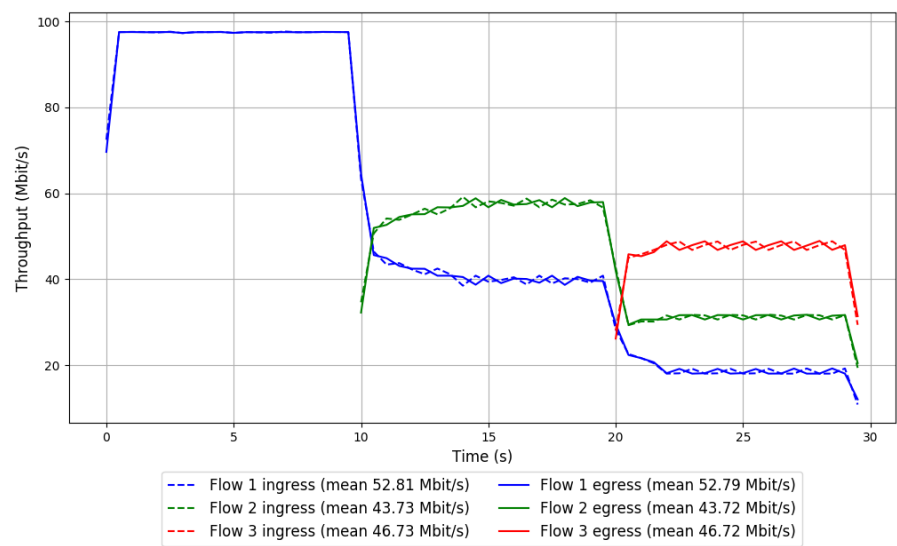


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-13 20:07:39
End at: 2018-03-13 20:08:09
Local clock offset: 0.548 ms
Remote clock offset: 16.581 ms

Below is generated by plot.py at 2018-03-13 22:06:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 23.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 22.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.72 Mbit/s
95th percentile per-packet one-way delay: 23.312 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.72 Mbit/s
95th percentile per-packet one-way delay: 25.695 ms
Loss rate: 0.00%

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

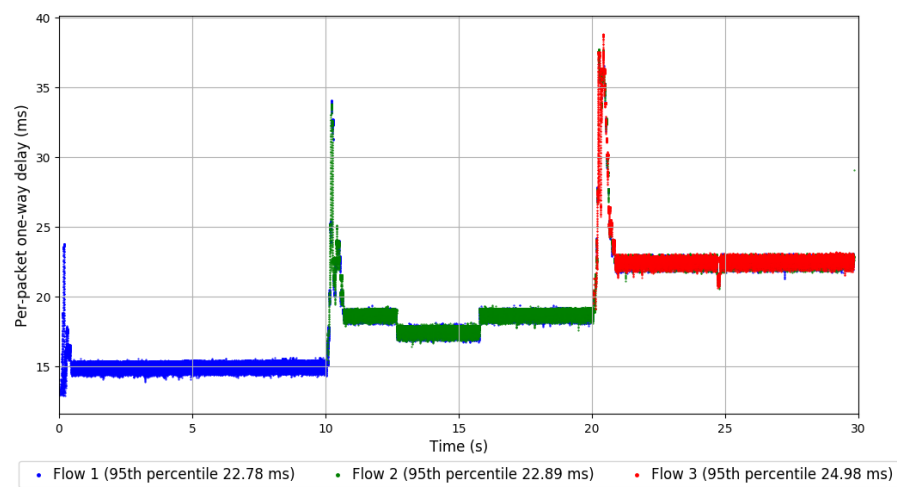
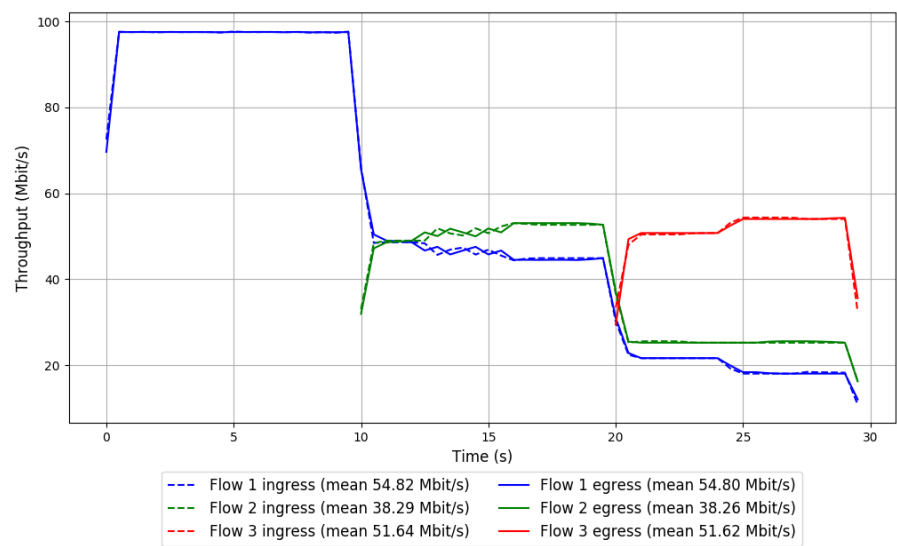


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-13 20:29:11
End at: 2018-03-13 20:29:41
Local clock offset: 1.539 ms
Remote clock offset: -1.922 ms

Below is generated by plot.py at 2018-03-13 22:06:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 22.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 22.784 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 22.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.62 Mbit/s
95th percentile per-packet one-way delay: 24.979 ms
Loss rate: 0.00%

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

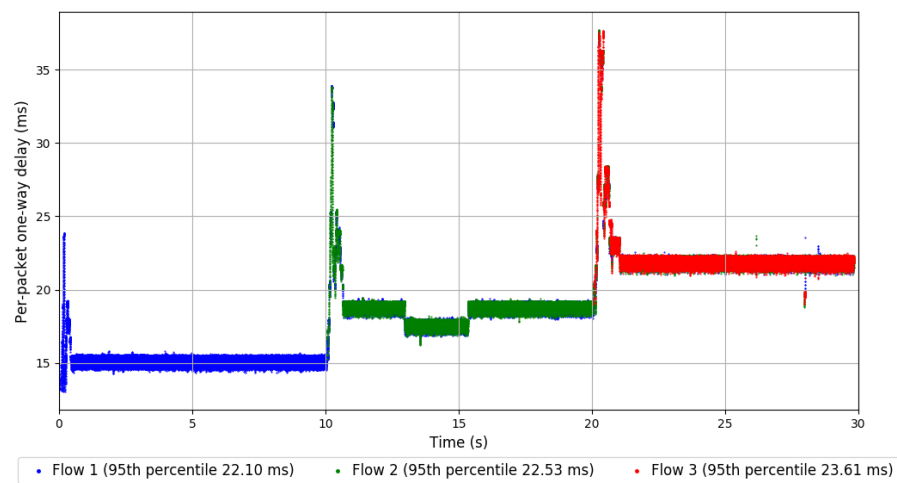
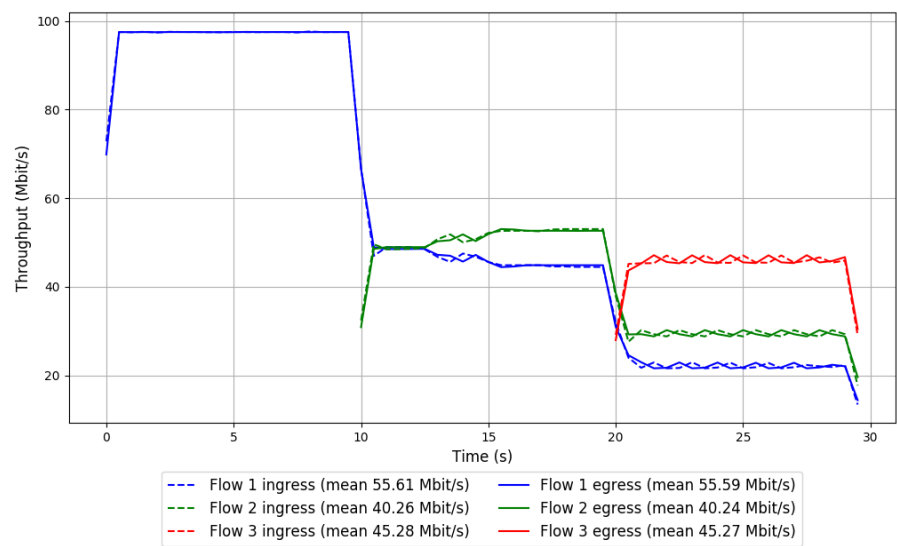


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-13 20:51:09
End at: 2018-03-13 20:51:39
Local clock offset: 2.598 ms
Remote clock offset: -3.108 ms

```
# Below is generated by plot.py at 2018-03-13 22:07:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 22.284 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 22.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: 22.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.27 Mbit/s
95th percentile per-packet one-way delay: 23.610 ms
Loss rate: 0.00%
```


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

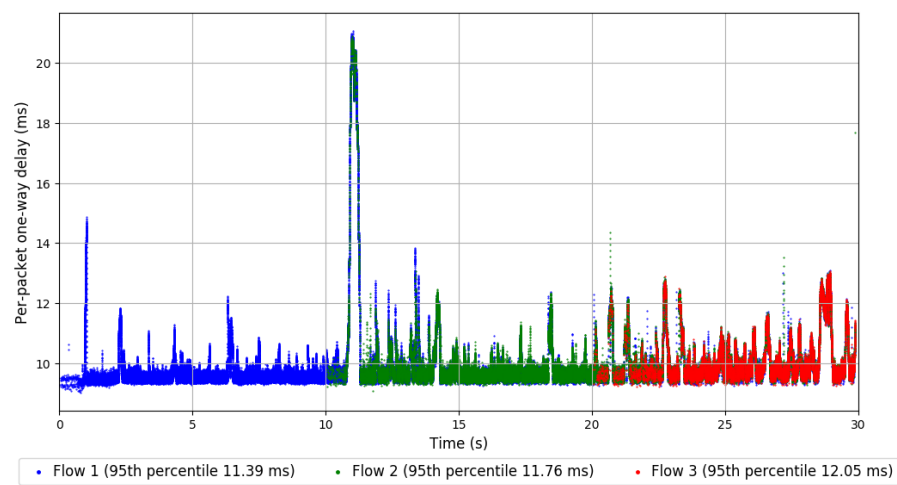
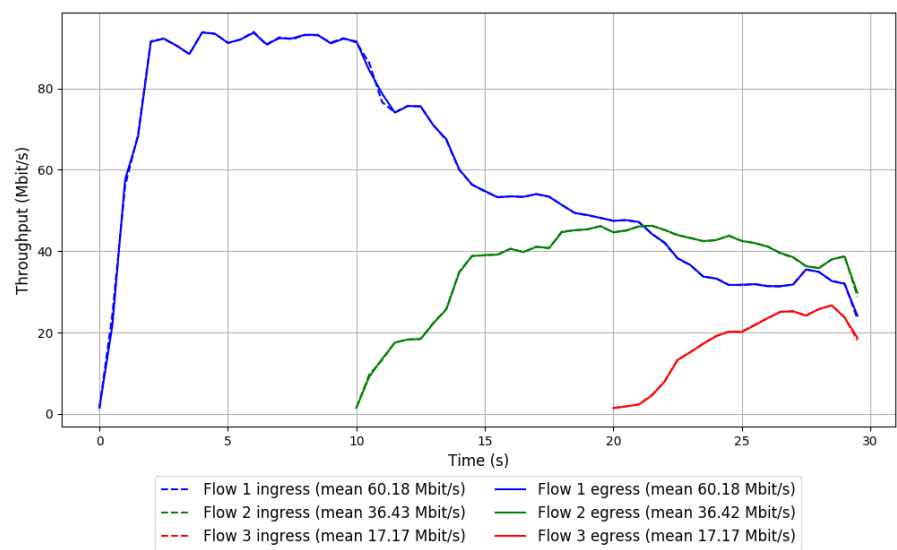


Run 1: Statistics of Vivace-latency

Start at: 2018-03-13 17:53:20
End at: 2018-03-13 17:53:50
Local clock offset: 5.355 ms
Remote clock offset: -1.409 ms

Below is generated by plot.py at 2018-03-13 22:07:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.05 Mbit/s
95th percentile per-packet one-way delay: 11.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.18 Mbit/s
95th percentile per-packet one-way delay: 11.394 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 11.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 12.053 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

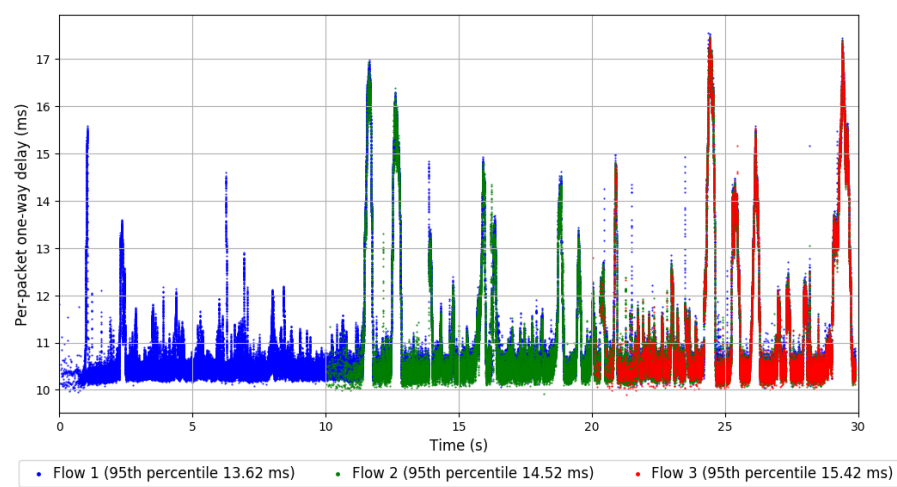
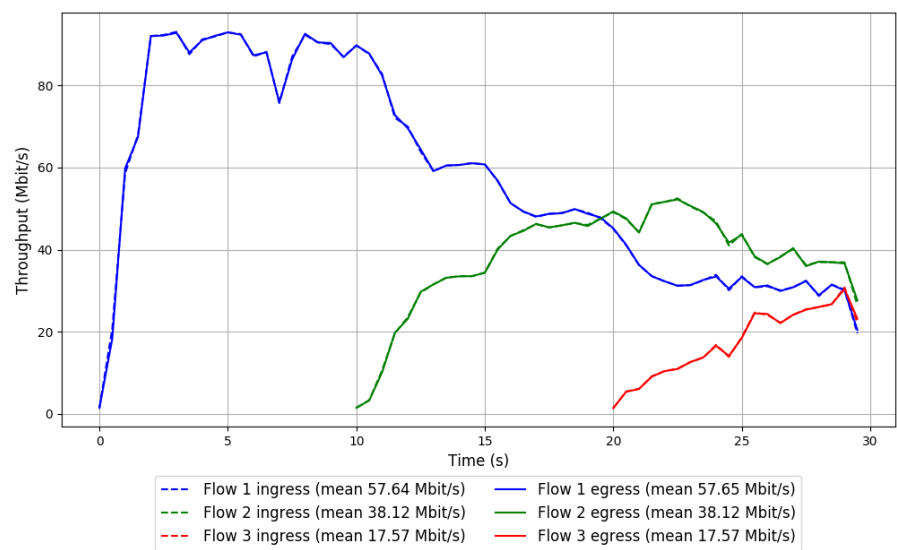


Run 2: Statistics of Vivace-latency

Start at: 2018-03-13 18:14:28
End at: 2018-03-13 18:14:58
Local clock offset: 4.265 ms
Remote clock offset: -3.717 ms

Below is generated by plot.py at 2018-03-13 22:07:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 14.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 13.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 14.515 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.57 Mbit/s
95th percentile per-packet one-way delay: 15.417 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-13 18:35:39

End at: 2018-03-13 18:36:09

Local clock offset: 6.057 ms

Remote clock offset: 3.134 ms

Below is generated by plot.py at 2018-03-13 22:07:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 14.756 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.89 Mbit/s

95th percentile per-packet one-way delay: 13.671 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.93 Mbit/s

95th percentile per-packet one-way delay: 15.601 ms

Loss rate: 0.00%

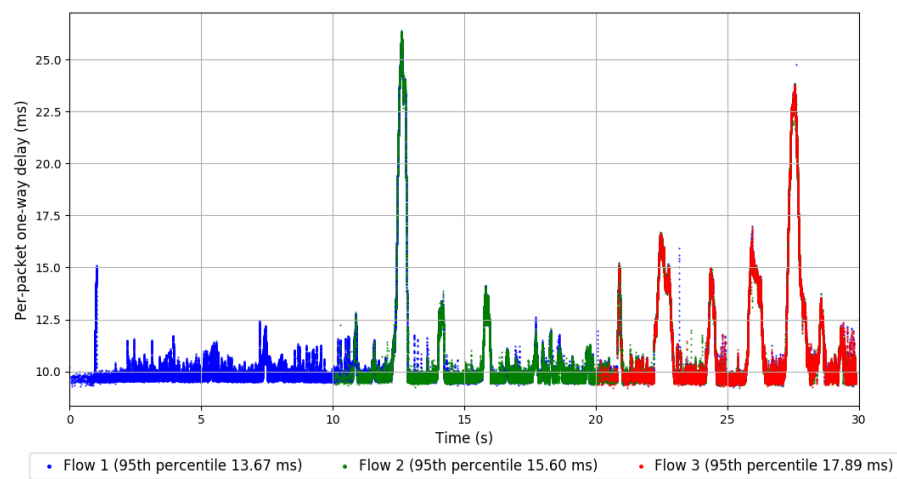
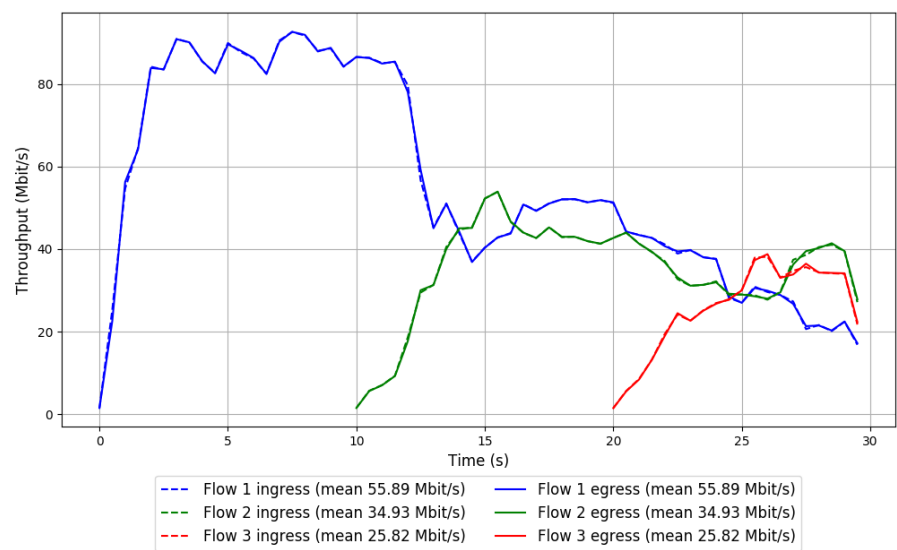
-- Flow 3:

Average throughput: 25.82 Mbit/s

95th percentile per-packet one-way delay: 17.885 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-13 18:56:58

End at: 2018-03-13 18:57:28

Local clock offset: 3.569 ms

Remote clock offset: 8.194 ms

Below is generated by plot.py at 2018-03-13 22:08:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.99 Mbit/s

95th percentile per-packet one-way delay: 15.288 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 15.141 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.58 Mbit/s

95th percentile per-packet one-way delay: 15.510 ms

Loss rate: 0.00%

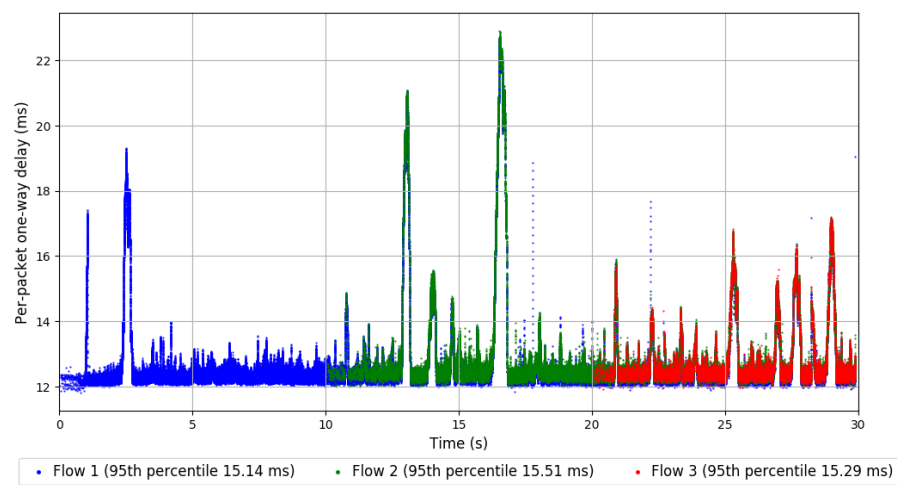
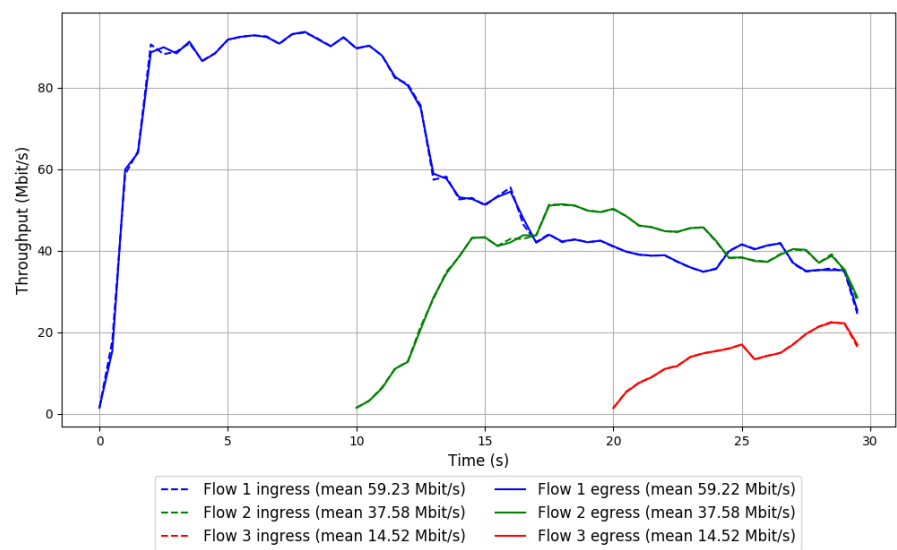
-- Flow 3:

Average throughput: 14.52 Mbit/s

95th percentile per-packet one-way delay: 15.292 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

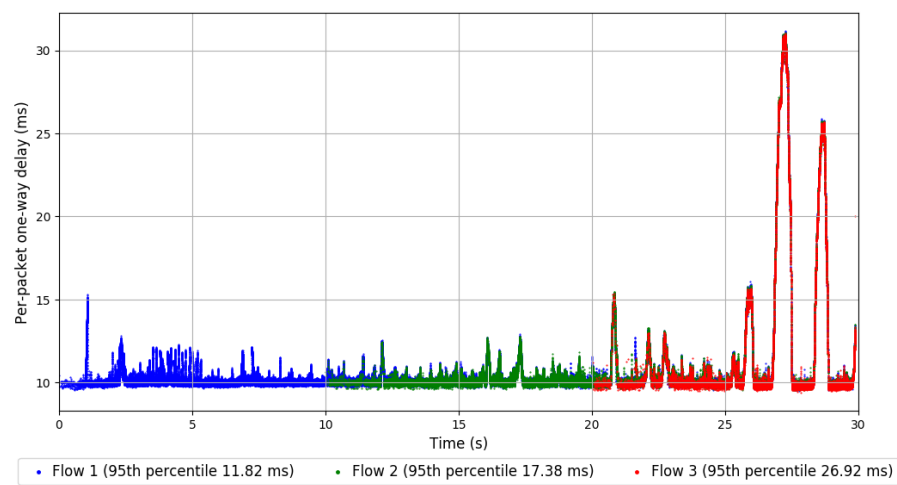
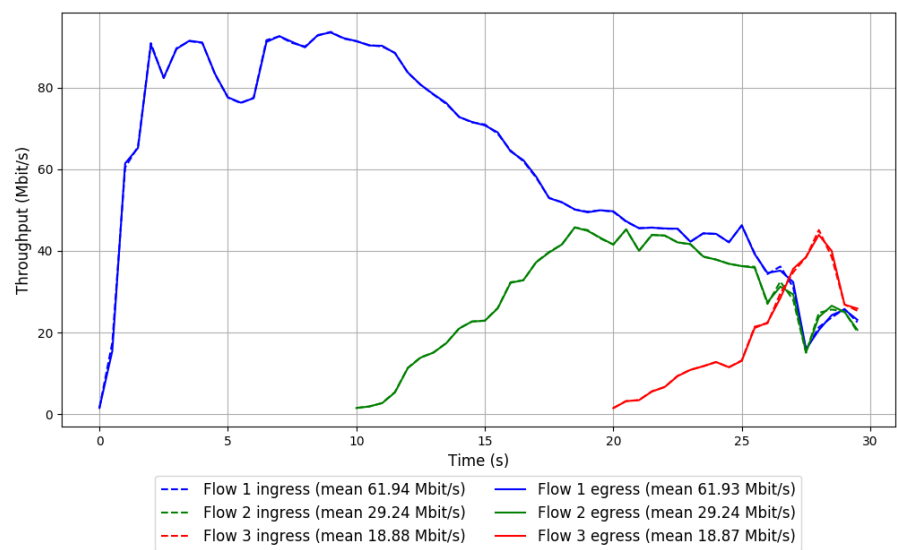


Run 5: Statistics of Vivace-latency

Start at: 2018-03-13 19:18:06
End at: 2018-03-13 19:18:36
Local clock offset: 3.884 ms
Remote clock offset: 13.842 ms

Below is generated by plot.py at 2018-03-13 22:08:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 14.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 11.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 17.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.87 Mbit/s
95th percentile per-packet one-way delay: 26.916 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

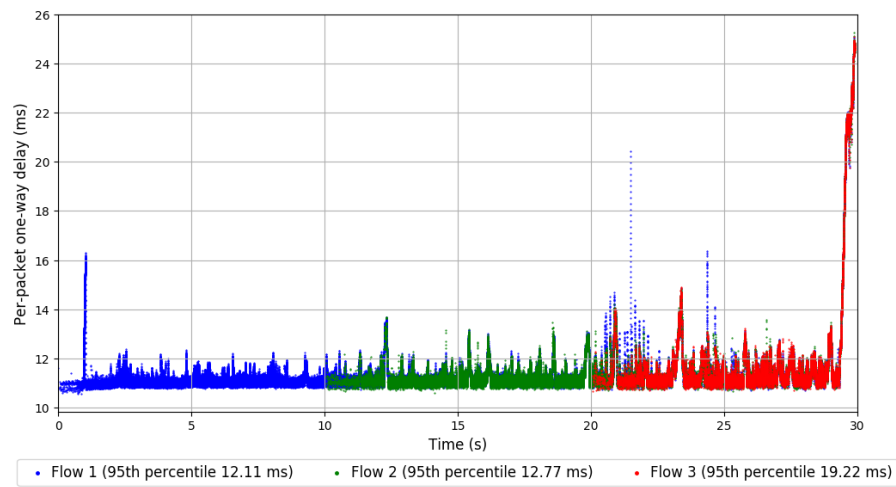
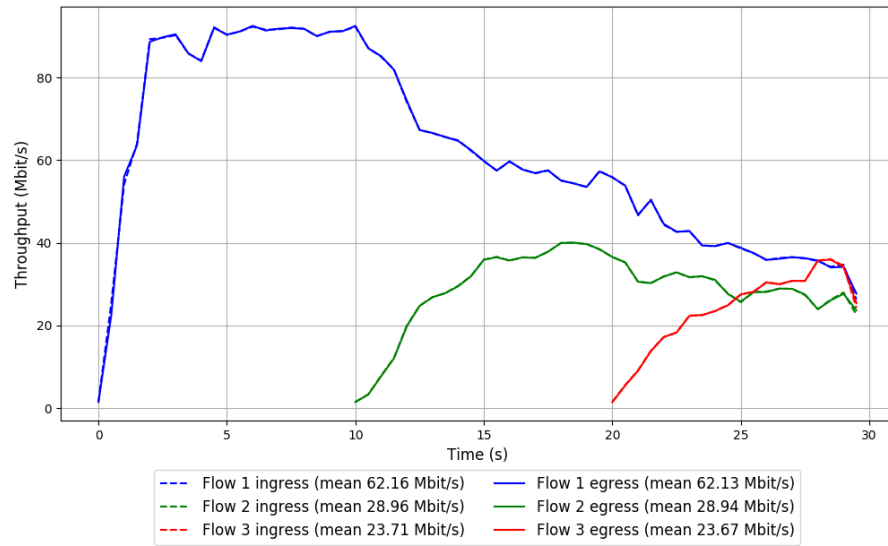


Run 6: Statistics of Vivace-latency

Start at: 2018-03-13 19:39:15
End at: 2018-03-13 19:39:45
Local clock offset: 4.146 ms
Remote clock offset: 17.218 ms

Below is generated by plot.py at 2018-03-13 22:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 12.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 12.114 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 12.766 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 19.218 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

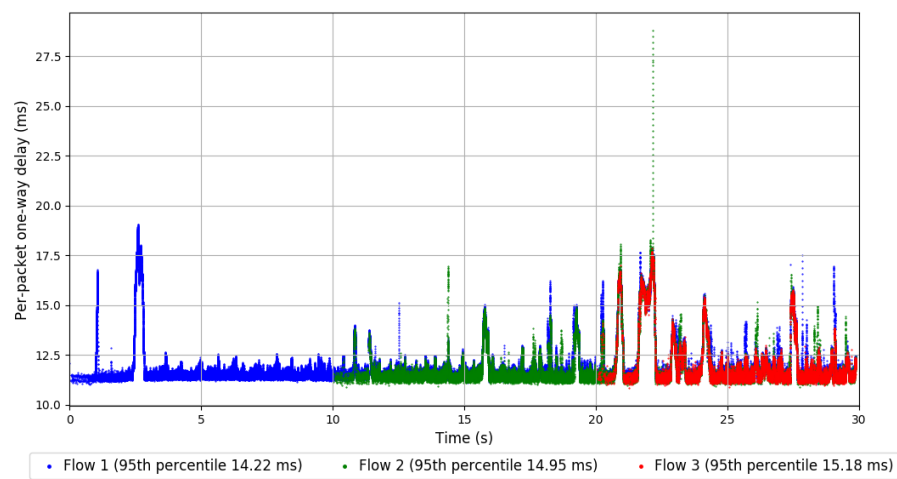
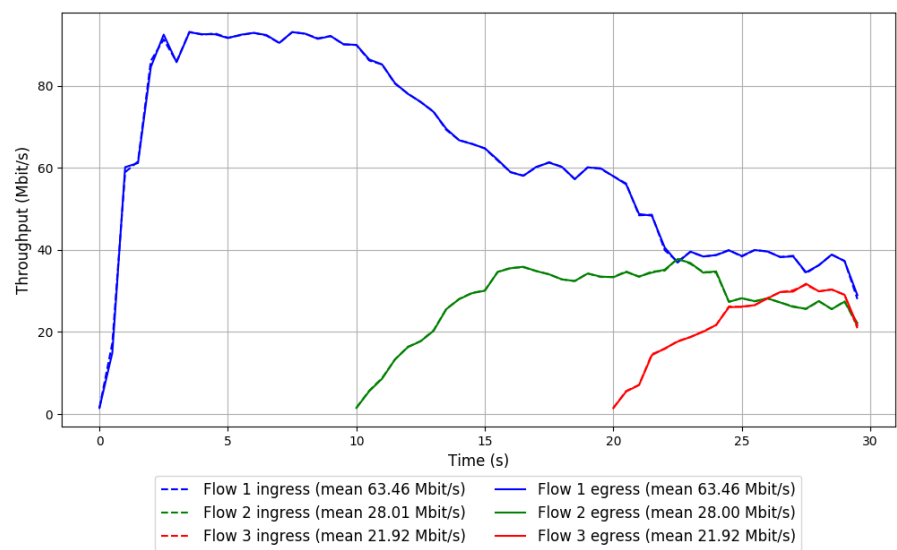


Run 7: Statistics of Vivace-latency

Start at: 2018-03-13 20:00:34
End at: 2018-03-13 20:01:04
Local clock offset: 2.402 ms
Remote clock offset: 18.221 ms

```
# Below is generated by plot.py at 2018-03-13 22:08:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: 14.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 14.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.00 Mbit/s
95th percentile per-packet one-way delay: 14.947 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 15.180 ms
Loss rate: 0.00%
```

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-13 20:22:05

End at: 2018-03-13 20:22:35

Local clock offset: 1.801 ms

Remote clock offset: 0.695 ms

Below is generated by plot.py at 2018-03-13 22:08:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.79 Mbit/s

95th percentile per-packet one-way delay: 14.174 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.08 Mbit/s

95th percentile per-packet one-way delay: 14.648 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.00 Mbit/s

95th percentile per-packet one-way delay: 13.671 ms

Loss rate: 0.00%

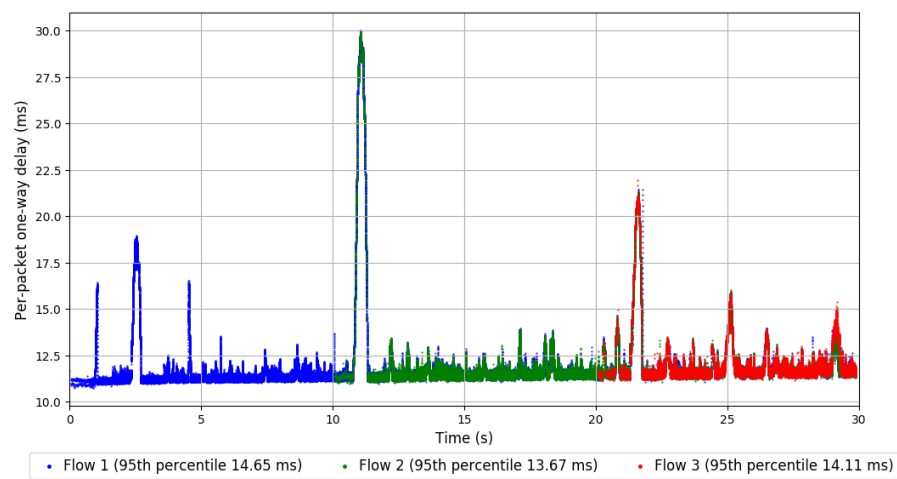
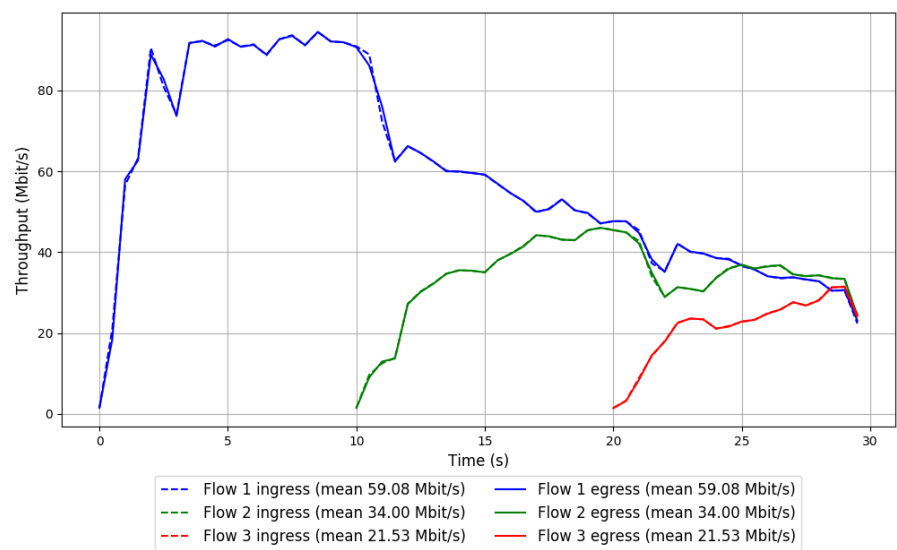
-- Flow 3:

Average throughput: 21.53 Mbit/s

95th percentile per-packet one-way delay: 14.106 ms

Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

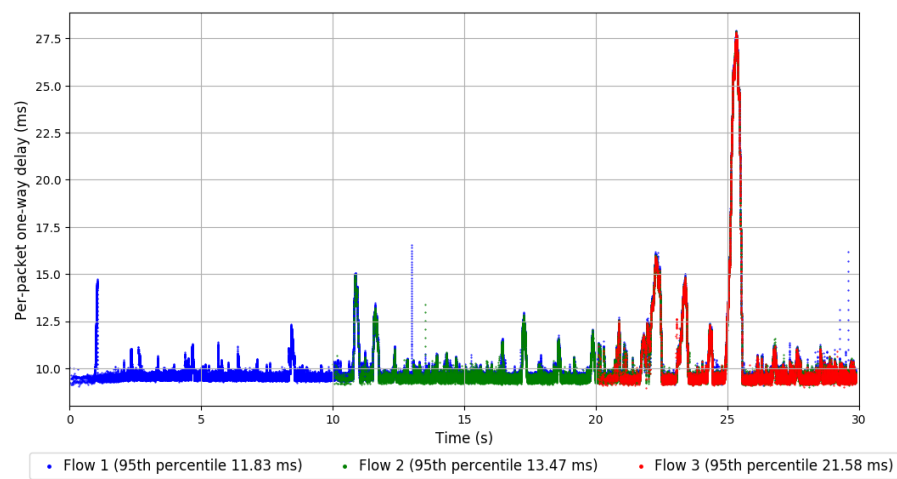
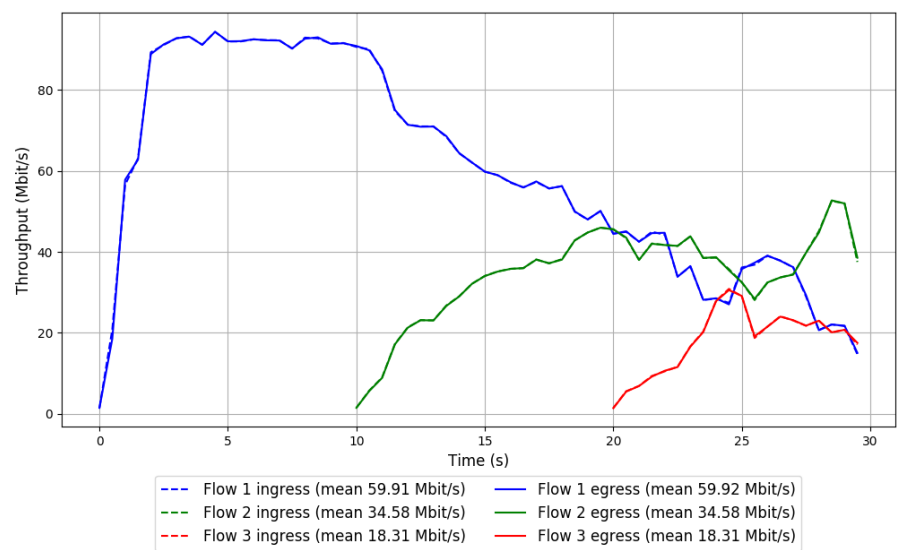


Run 9: Statistics of Vivace-latency

Start at: 2018-03-13 20:44:06
End at: 2018-03-13 20:44:36
Local clock offset: 5.999 ms
Remote clock offset: -4.203 ms

Below is generated by plot.py at 2018-03-13 22:08:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 12.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 11.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 13.467 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 21.578 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

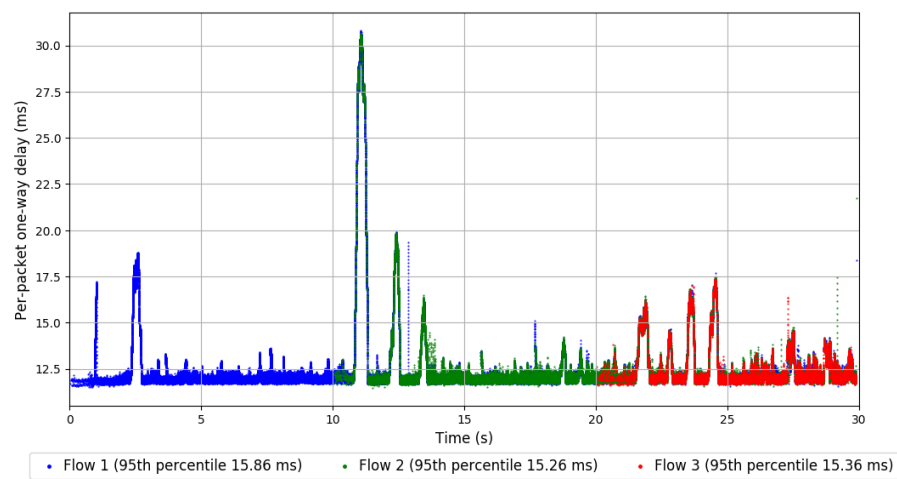
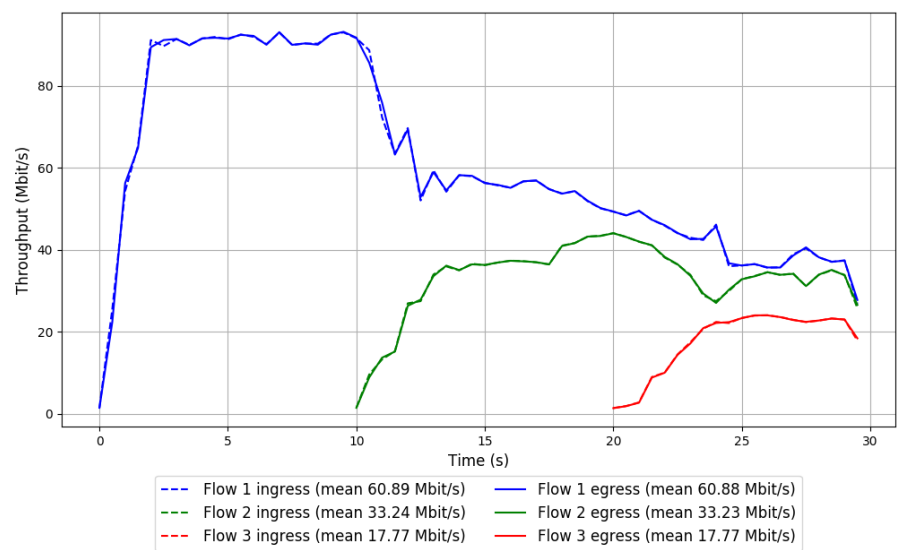


Run 10: Statistics of Vivace-latency

Start at: 2018-03-13 21:05:22
End at: 2018-03-13 21:05:52
Local clock offset: 3.078 ms
Remote clock offset: -4.352 ms

Below is generated by plot.py at 2018-03-13 22:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 15.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 15.859 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 15.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.77 Mbit/s
95th percentile per-packet one-way delay: 15.359 ms
Loss rate: 0.01%

Run 10: Report of Vivace-latency — Data Link

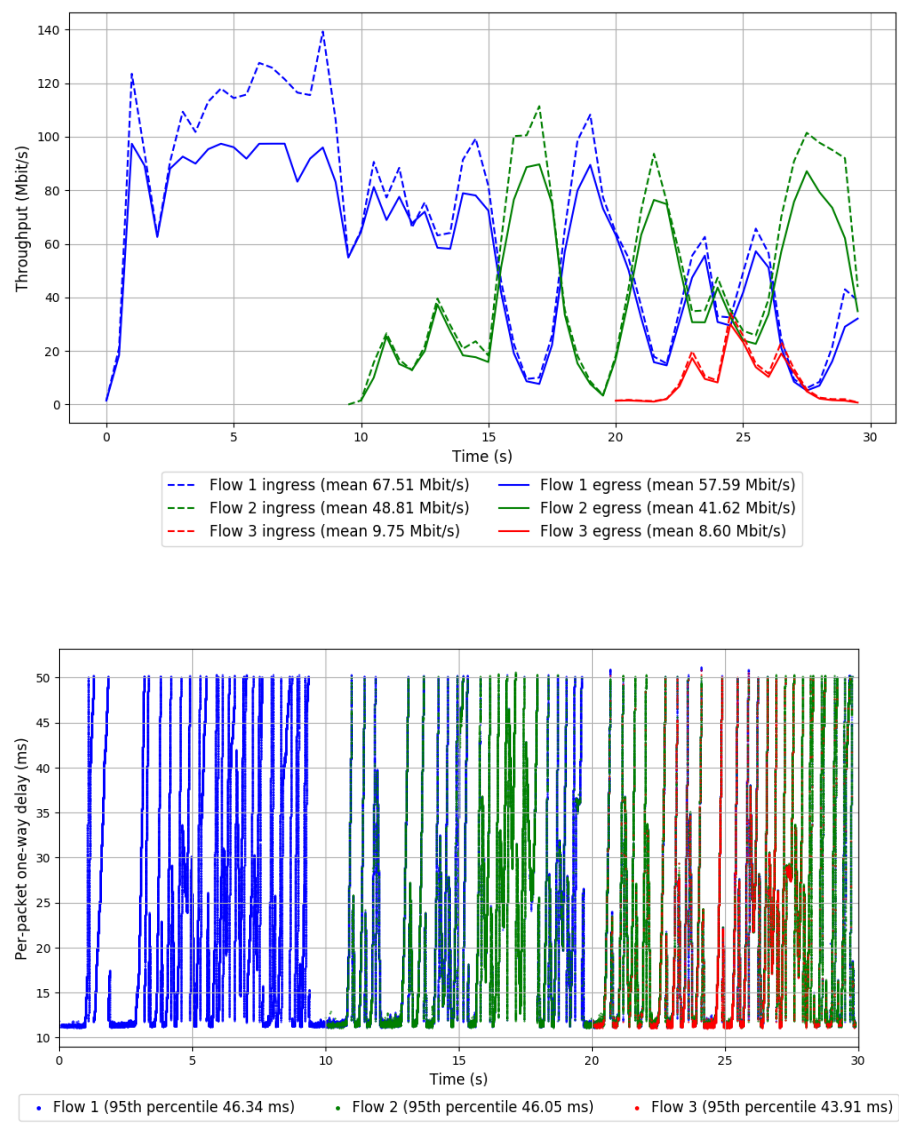


Run 1: Statistics of Vivace-loss

Start at: 2018-03-13 17:48:26
End at: 2018-03-13 17:48:56
Local clock offset: 3.301 ms
Remote clock offset: -1.442 ms

Below is generated by plot.py at 2018-03-13 22:09:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 46.214 ms
Loss rate: 14.62%
-- Flow 1:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 46.337 ms
Loss rate: 14.70%
-- Flow 2:
Average throughput: 41.62 Mbit/s
95th percentile per-packet one-way delay: 46.045 ms
Loss rate: 14.72%
-- Flow 3:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 43.905 ms
Loss rate: 11.83%

Run 1: Report of Vivace-loss — Data Link

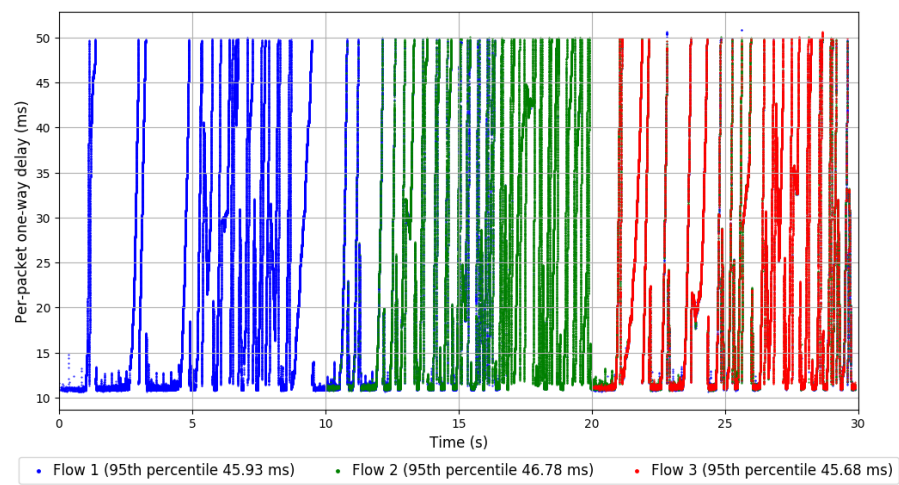
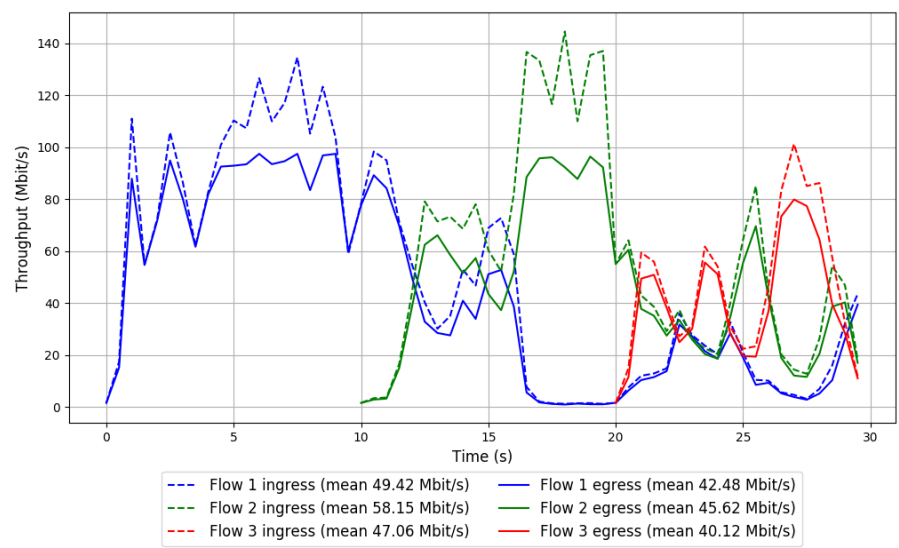


Run 2: Statistics of Vivace-loss

Start at: 2018-03-13 18:09:42
End at: 2018-03-13 18:10:12
Local clock offset: 4.408 ms
Remote clock offset: -2.363 ms

Below is generated by plot.py at 2018-03-13 22:09:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.05 Mbit/s
95th percentile per-packet one-way delay: 46.208 ms
Loss rate: 16.95%
-- Flow 1:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 45.931 ms
Loss rate: 14.05%
-- Flow 2:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 46.779 ms
Loss rate: 21.54%
-- Flow 3:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 45.682 ms
Loss rate: 14.75%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-03-13 18:30:54

End at: 2018-03-13 18:31:25

Local clock offset: 4.341 ms

Remote clock offset: 1.198 ms

Below is generated by plot.py at 2018-03-13 22:09:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.76 Mbit/s

95th percentile per-packet one-way delay: 44.972 ms

Loss rate: 12.09%

-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 44.207 ms

Loss rate: 10.12%

-- Flow 2:

Average throughput: 36.25 Mbit/s

95th percentile per-packet one-way delay: 45.862 ms

Loss rate: 14.77%

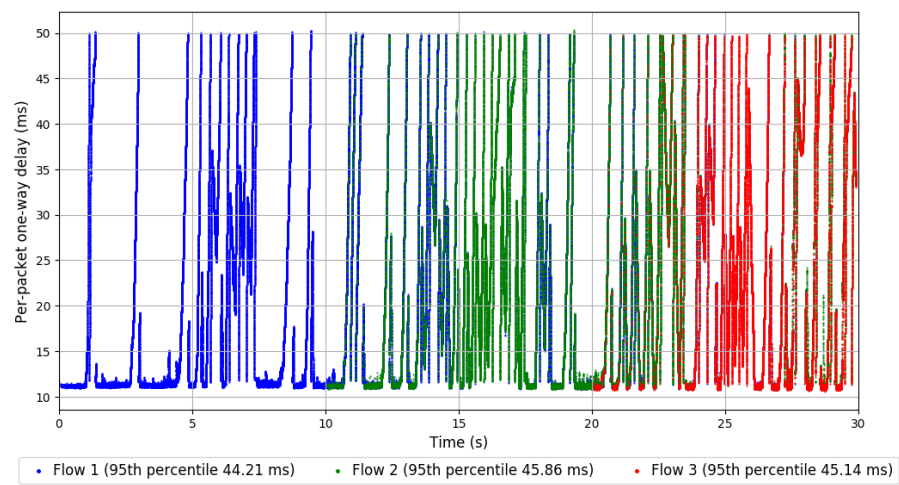
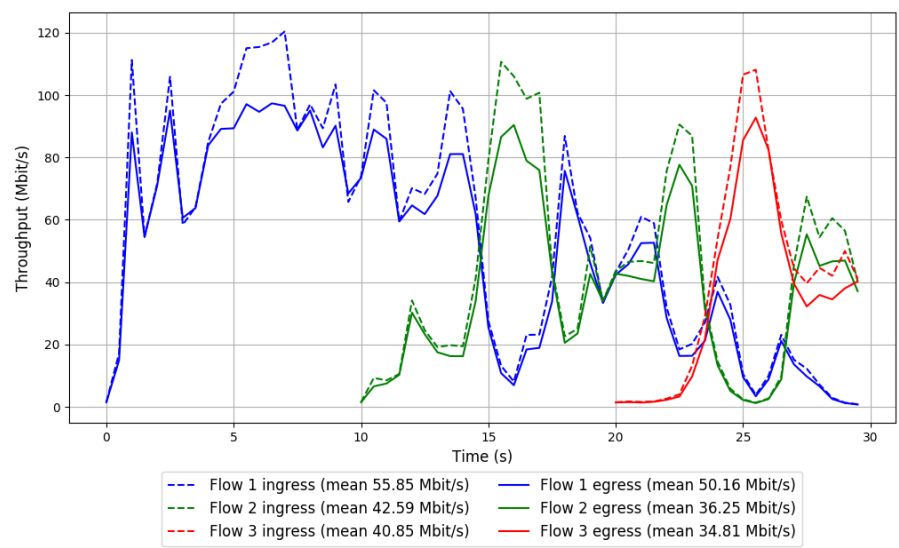
-- Flow 3:

Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 45.144 ms

Loss rate: 14.61%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-03-13 18:52:09

End at: 2018-03-13 18:52:39

Local clock offset: 6.075 ms

Remote clock offset: 6.33 ms

Below is generated by plot.py at 2018-03-13 22:09:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 42.069 ms

Loss rate: 11.69%

-- Flow 1:

Average throughput: 63.06 Mbit/s

95th percentile per-packet one-way delay: 42.062 ms

Loss rate: 10.98%

-- Flow 2:

Average throughput: 31.75 Mbit/s

95th percentile per-packet one-way delay: 42.193 ms

Loss rate: 13.55%

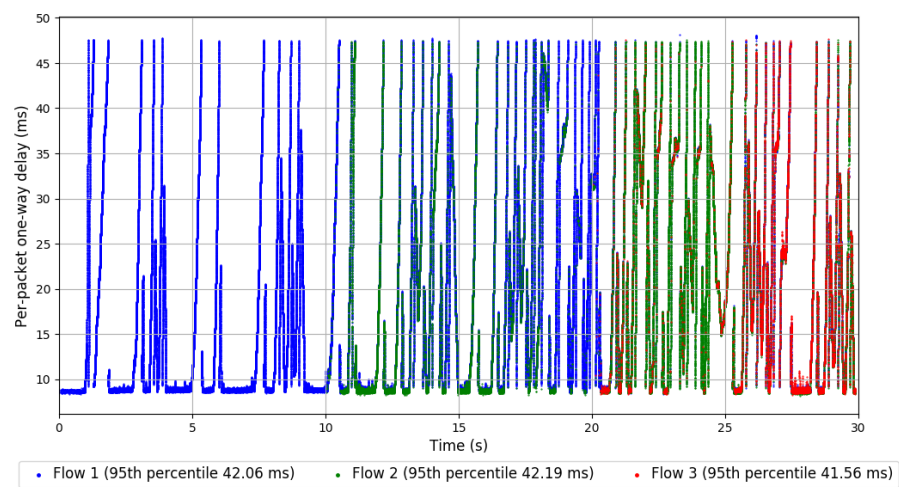
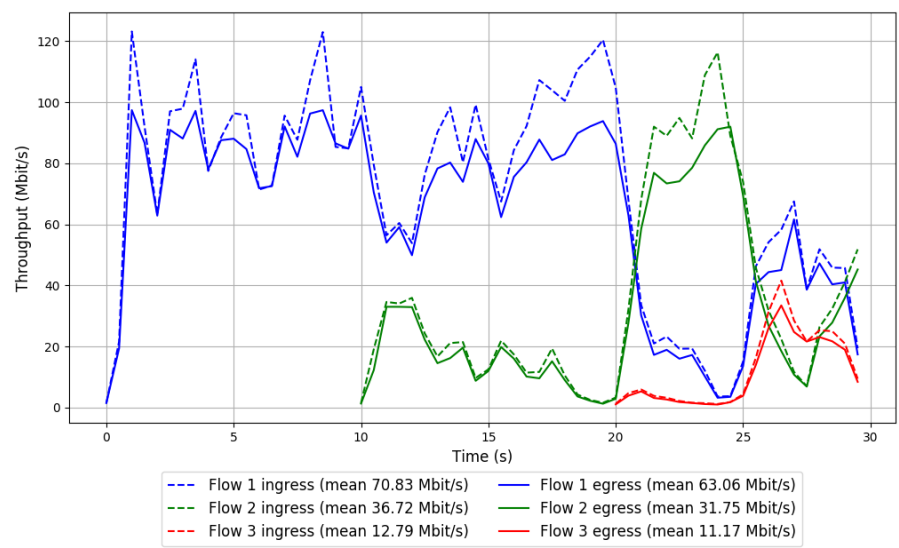
-- Flow 3:

Average throughput: 11.17 Mbit/s

95th percentile per-packet one-way delay: 41.556 ms

Loss rate: 12.88%

Run 4: Report of Vivace-loss — Data Link

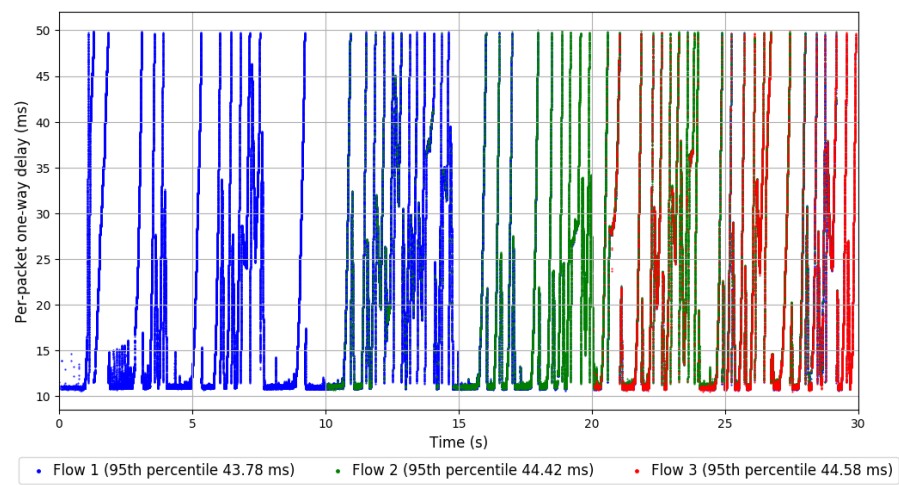
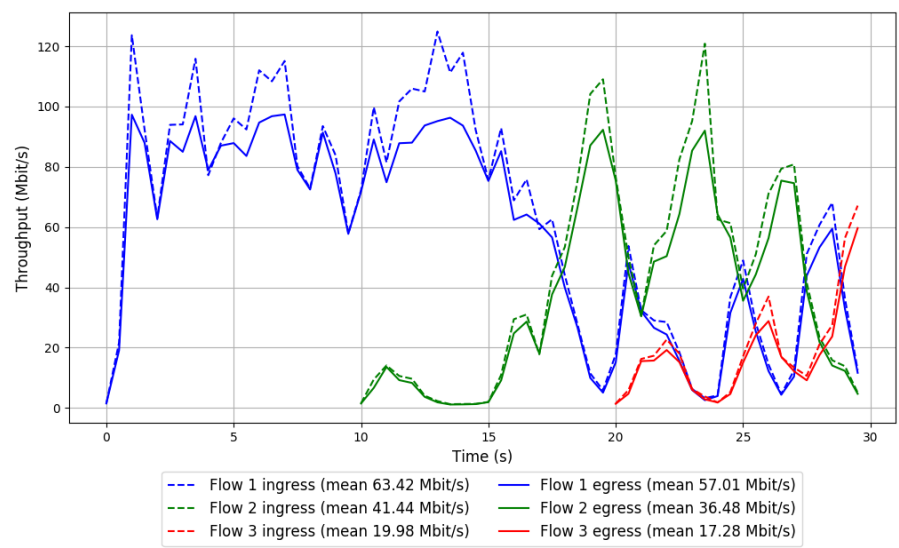


Run 5: Statistics of Vivace-loss

Start at: 2018-03-13 19:13:19
End at: 2018-03-13 19:13:49
Local clock offset: 4.013 ms
Remote clock offset: 14.248 ms

Below is generated by plot.py at 2018-03-13 22:09:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 44.049 ms
Loss rate: 10.79%
-- Flow 1:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 43.780 ms
Loss rate: 10.04%
-- Flow 2:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 44.417 ms
Loss rate: 11.88%
-- Flow 3:
Average throughput: 17.28 Mbit/s
95th percentile per-packet one-way delay: 44.580 ms
Loss rate: 13.40%

Run 5: Report of Vivace-loss — Data Link

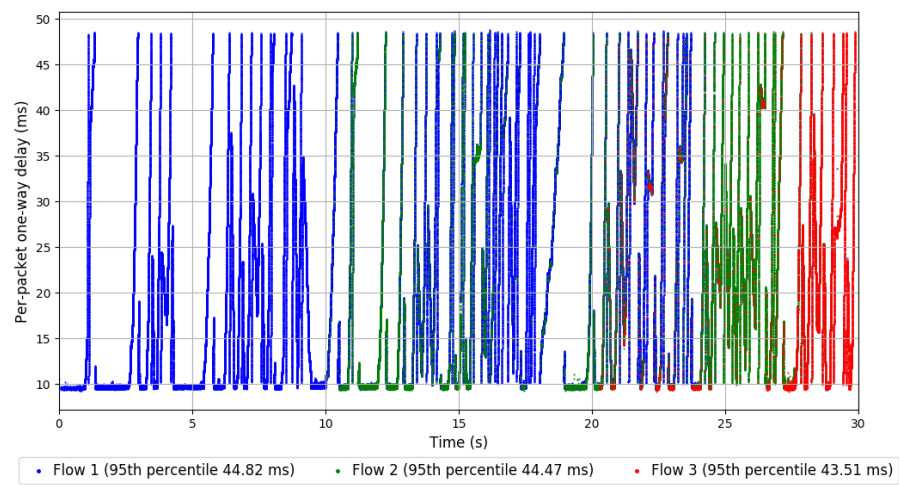
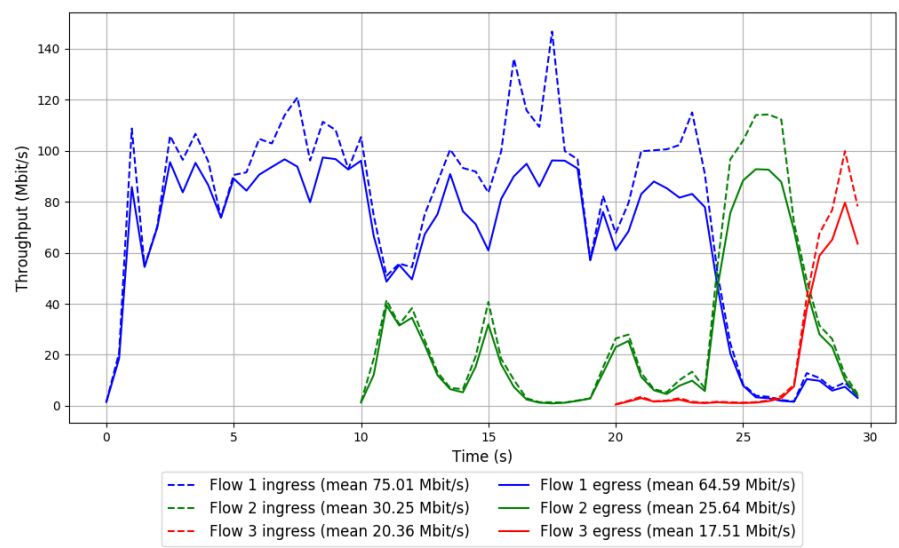


Run 6: Statistics of Vivace-loss

Start at: 2018-03-13 19:34:25
End at: 2018-03-13 19:34:55
Local clock offset: 4.808 ms
Remote clock offset: 16.747 ms

Below is generated by plot.py at 2018-03-13 22:09:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 44.709 ms
Loss rate: 14.32%
-- Flow 1:
Average throughput: 64.59 Mbit/s
95th percentile per-packet one-way delay: 44.820 ms
Loss rate: 13.90%
-- Flow 2:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 44.466 ms
Loss rate: 15.25%
-- Flow 3:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 43.509 ms
Loss rate: 16.20%

Run 6: Report of Vivace-loss — Data Link

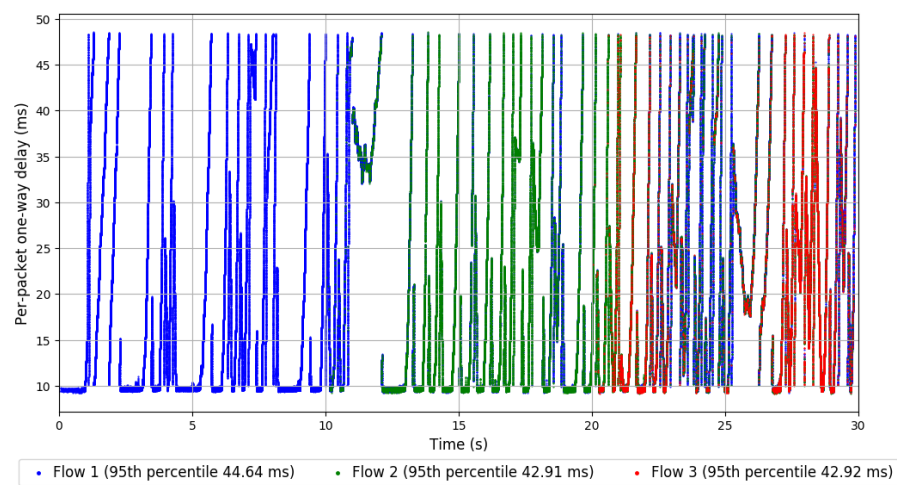
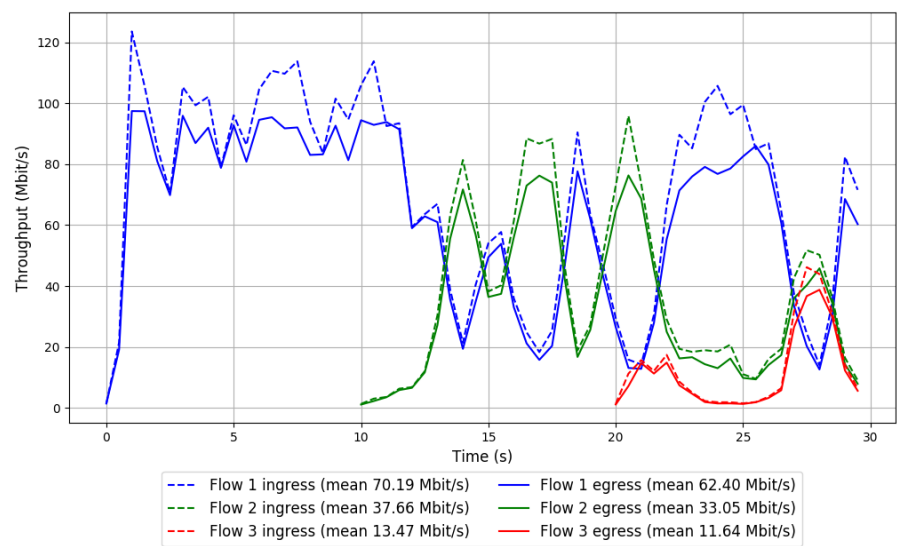


Run 7: Statistics of Vivace-loss

Start at: 2018-03-13 19:55:41
End at: 2018-03-13 19:56:12
Local clock offset: 4.163 ms
Remote clock offset: 17.535 ms

Below is generated by plot.py at 2018-03-13 22:09:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 44.208 ms
Loss rate: 11.48%
-- Flow 1:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 44.641 ms
Loss rate: 11.07%
-- Flow 2:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 42.911 ms
Loss rate: 12.25%
-- Flow 3:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 42.923 ms
Loss rate: 13.62%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-13 20:17:10

End at: 2018-03-13 20:17:40

Local clock offset: 2.352 ms

Remote clock offset: 3.598 ms

Below is generated by plot.py at 2018-03-13 22:10:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.99 Mbit/s

95th percentile per-packet one-way delay: 43.745 ms

Loss rate: 11.13%

-- Flow 1:

Average throughput: 50.42 Mbit/s

95th percentile per-packet one-way delay: 43.456 ms

Loss rate: 10.14%

-- Flow 2:

Average throughput: 49.43 Mbit/s

95th percentile per-packet one-way delay: 44.190 ms

Loss rate: 12.56%

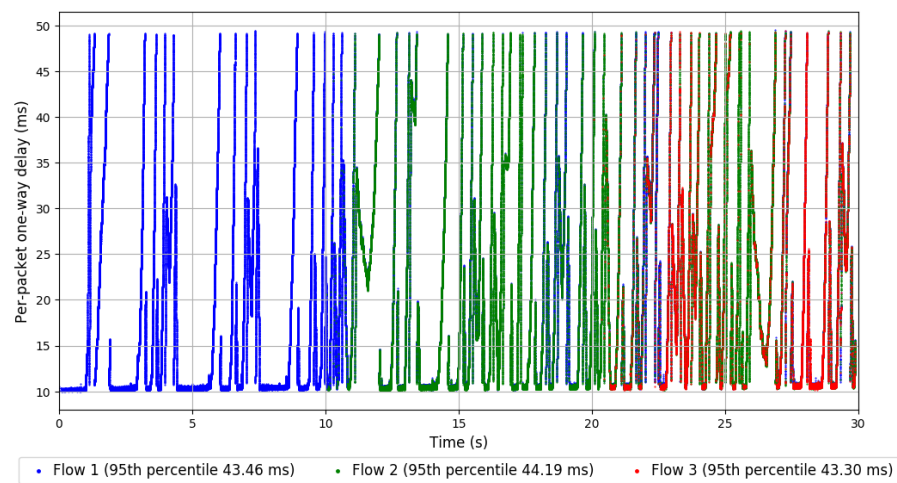
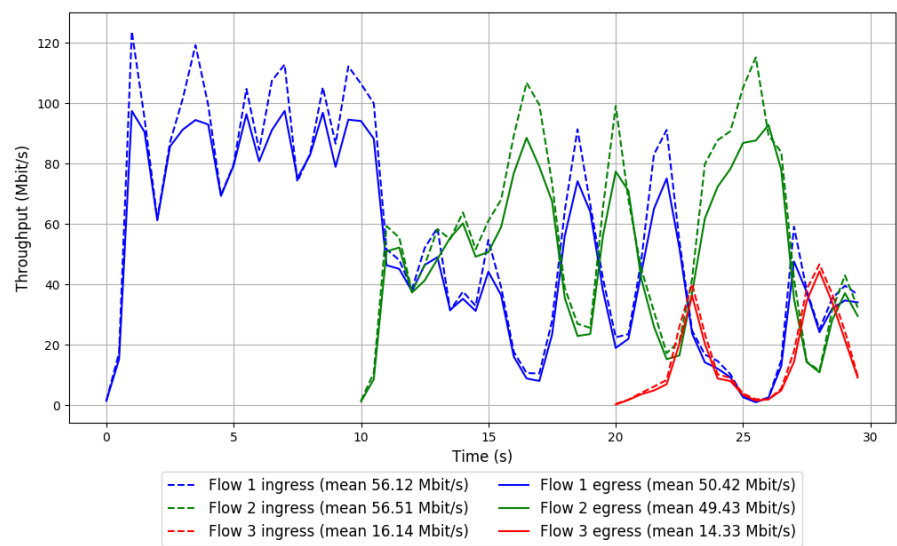
-- Flow 3:

Average throughput: 14.33 Mbit/s

95th percentile per-packet one-way delay: 43.303 ms

Loss rate: 11.42%

Run 8: Report of Vivace-loss — Data Link

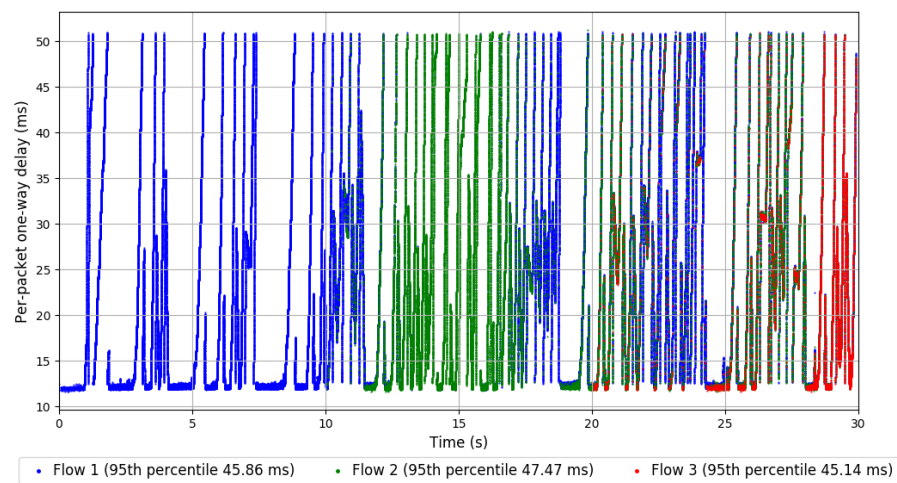
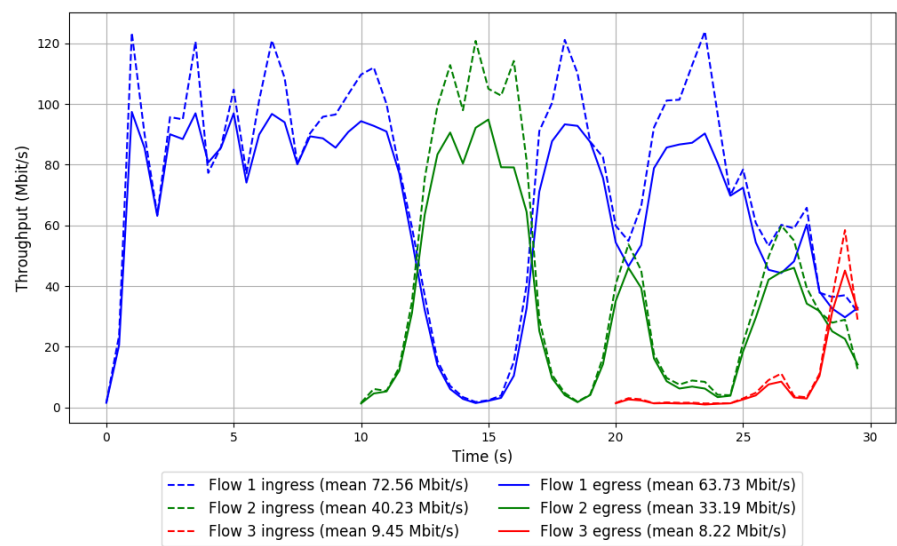


Run 9: Statistics of Vivace-loss

Start at: 2018-03-13 20:38:52
End at: 2018-03-13 20:39:22
Local clock offset: 2.466 ms
Remote clock offset: -5.408 ms

Below is generated by plot.py at 2018-03-13 22:10:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 46.321 ms
Loss rate: 13.47%
-- Flow 1:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 45.861 ms
Loss rate: 12.07%
-- Flow 2:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 47.469 ms
Loss rate: 17.36%
-- Flow 3:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 45.136 ms
Loss rate: 12.68%

Run 9: Report of Vivace-loss — Data Link

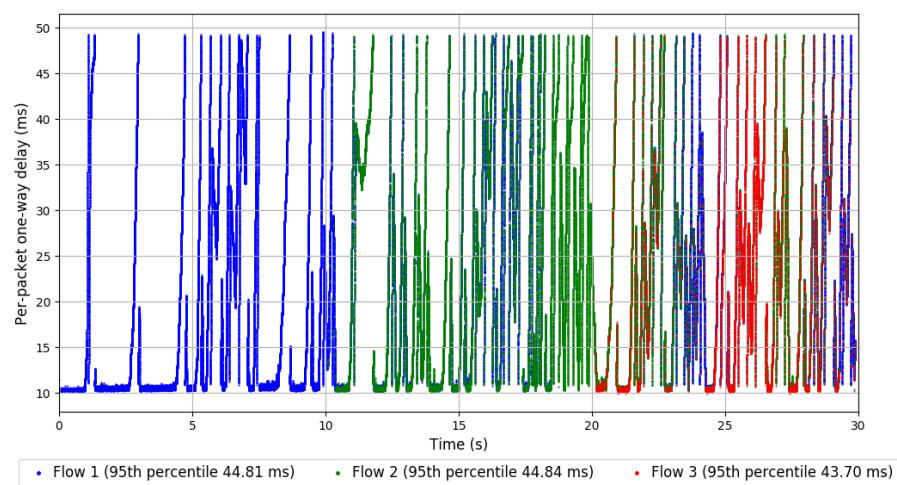
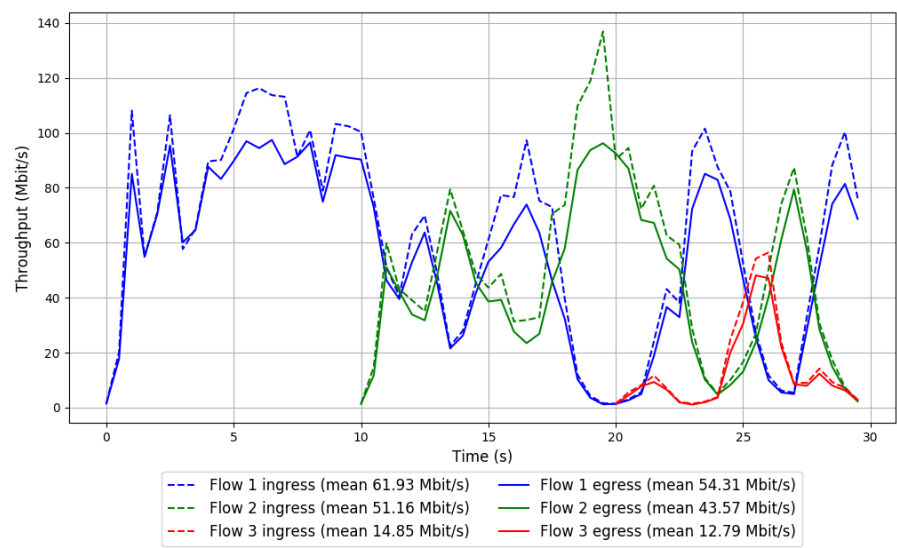


Run 10: Statistics of Vivace-loss

Start at: 2018-03-13 21:00:36
End at: 2018-03-13 21:01:06
Local clock offset: 3.463 ms
Remote clock offset: -5.372 ms

Below is generated by plot.py at 2018-03-13 22:11:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 44.774 ms
Loss rate: 13.23%
-- Flow 1:
Average throughput: 54.31 Mbit/s
95th percentile per-packet one-way delay: 44.807 ms
Loss rate: 12.29%
-- Flow 2:
Average throughput: 43.57 Mbit/s
95th percentile per-packet one-way delay: 44.845 ms
Loss rate: 14.84%
-- Flow 3:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 43.697 ms
Loss rate: 13.93%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-03-13 17:35:30

End at: 2018-03-13 17:36:00

Local clock offset: 3.763 ms

Remote clock offset: -0.56 ms

Below is generated by plot.py at 2018-03-13 22:11:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.67 Mbit/s

95th percentile per-packet one-way delay: 42.694 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 57.91 Mbit/s

95th percentile per-packet one-way delay: 39.166 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 31.22 Mbit/s

95th percentile per-packet one-way delay: 43.457 ms

Loss rate: 1.64%

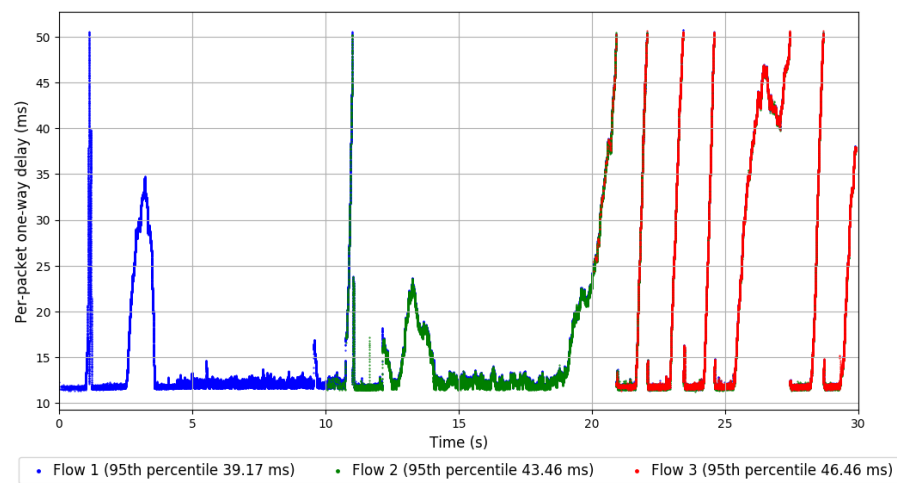
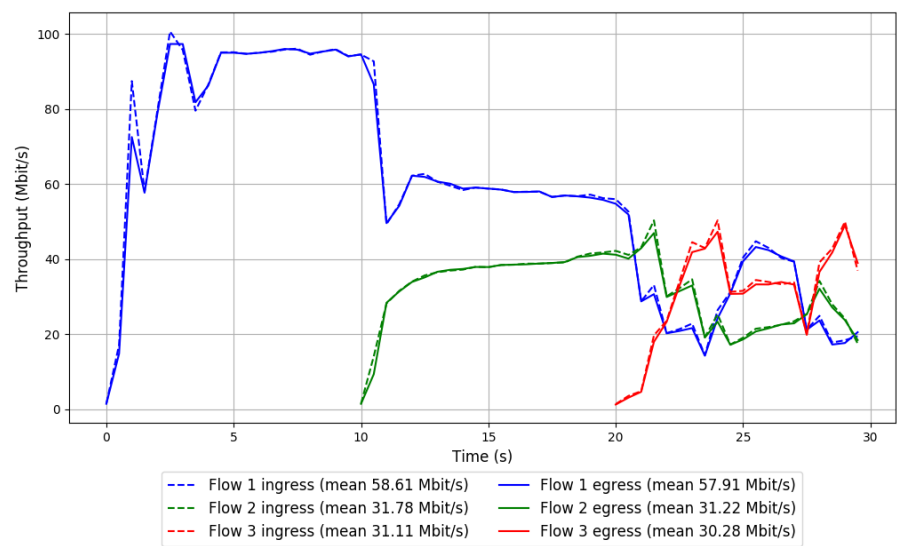
-- Flow 3:

Average throughput: 30.28 Mbit/s

95th percentile per-packet one-way delay: 46.460 ms

Loss rate: 2.54%

Run 1: Report of Vivace-LTE — Data Link

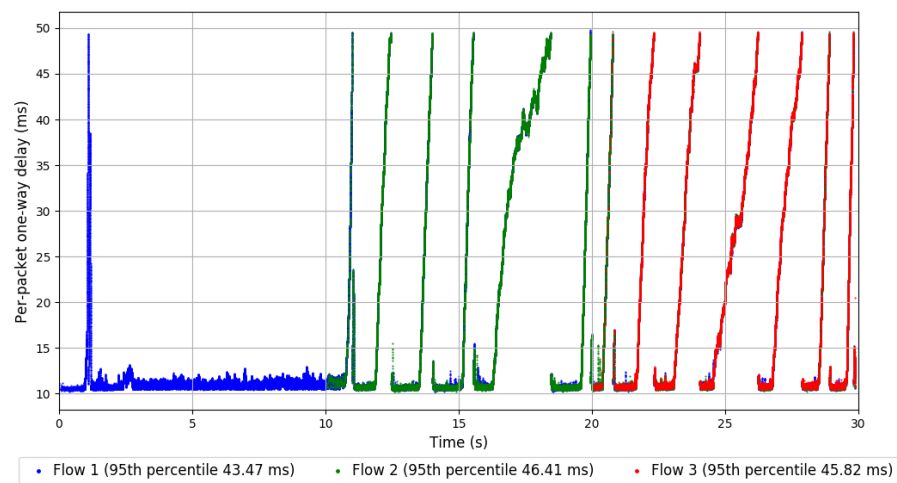
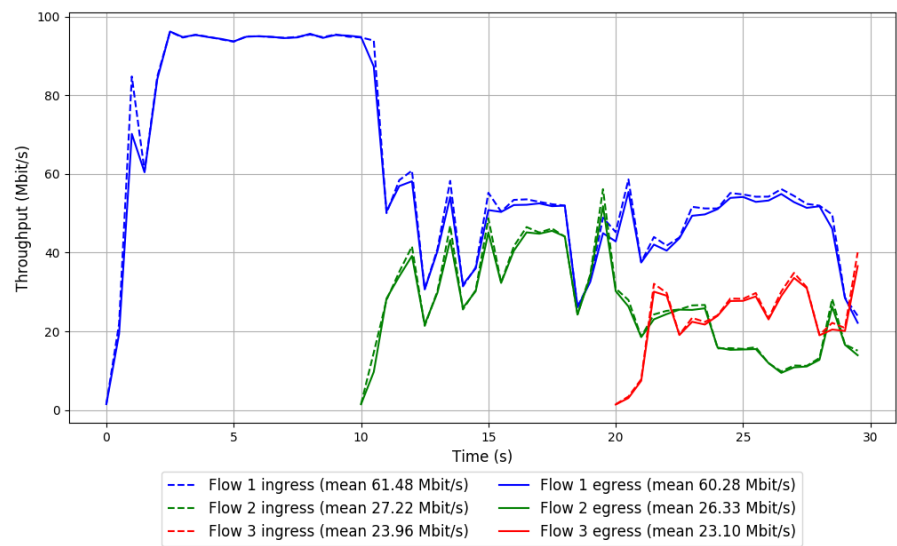


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-13 17:56:51
End at: 2018-03-13 17:57:21
Local clock offset: 3.214 ms
Remote clock offset: -2.497 ms

Below is generated by plot.py at 2018-03-13 22:11:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 45.010 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 43.469 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 26.33 Mbit/s
95th percentile per-packet one-way delay: 46.411 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 45.823 ms
Loss rate: 3.48%

Run 2: Report of Vivace-LTE — Data Link

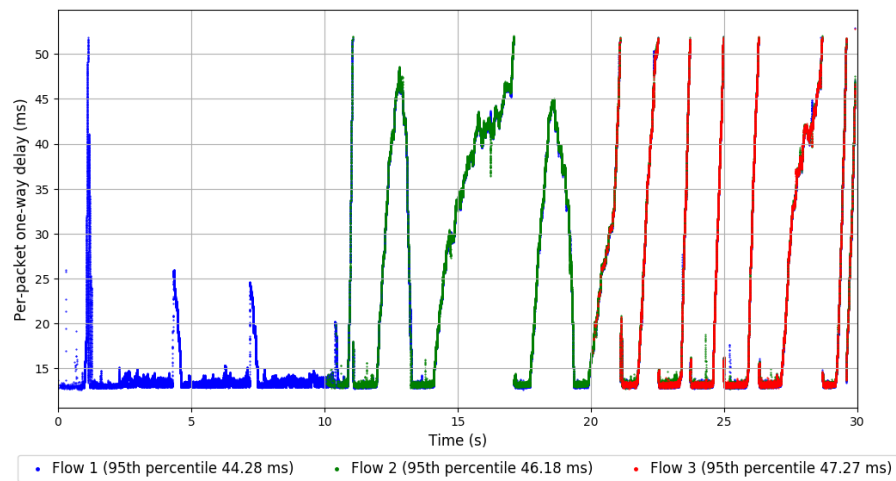
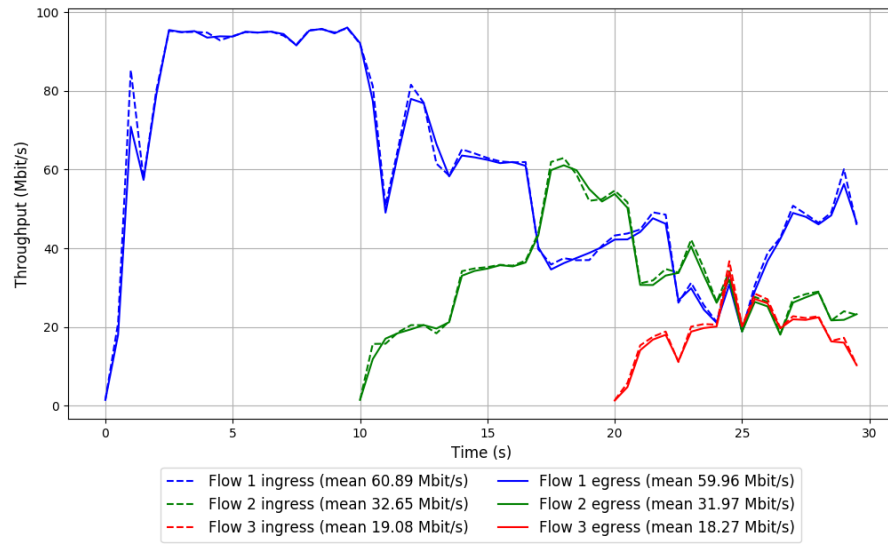


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-13 18:17:58
End at: 2018-03-13 18:18:28
Local clock offset: 3.748 ms
Remote clock offset: -1.659 ms

Below is generated by plot.py at 2018-03-13 22:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 45.271 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 59.96 Mbit/s
95th percentile per-packet one-way delay: 44.285 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 46.177 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 18.27 Mbit/s
95th percentile per-packet one-way delay: 47.266 ms
Loss rate: 3.89%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-13 18:39:09

End at: 2018-03-13 18:39:39

Local clock offset: 4.882 ms

Remote clock offset: 4.008 ms

Below is generated by plot.py at 2018-03-13 22:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.76 Mbit/s

95th percentile per-packet one-way delay: 42.612 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 54.49 Mbit/s

95th percentile per-packet one-way delay: 39.633 ms

Loss rate: 1.32%

-- Flow 2:

Average throughput: 38.75 Mbit/s

95th percentile per-packet one-way delay: 43.079 ms

Loss rate: 1.53%

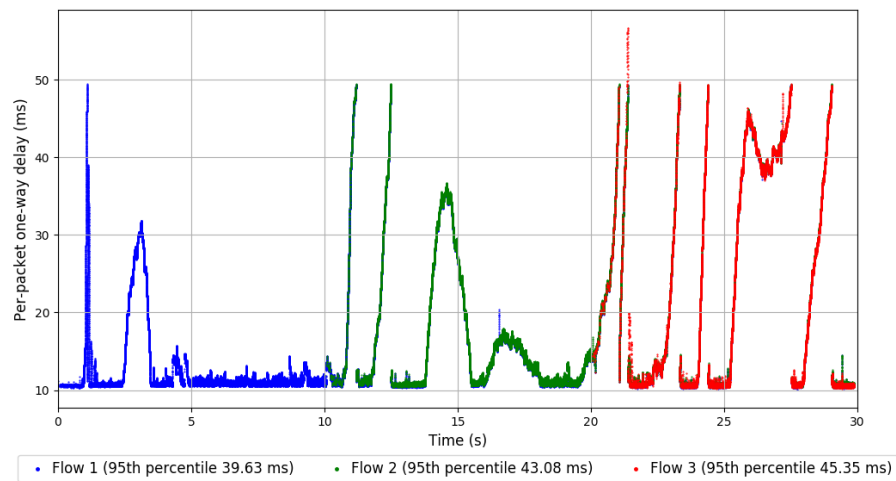
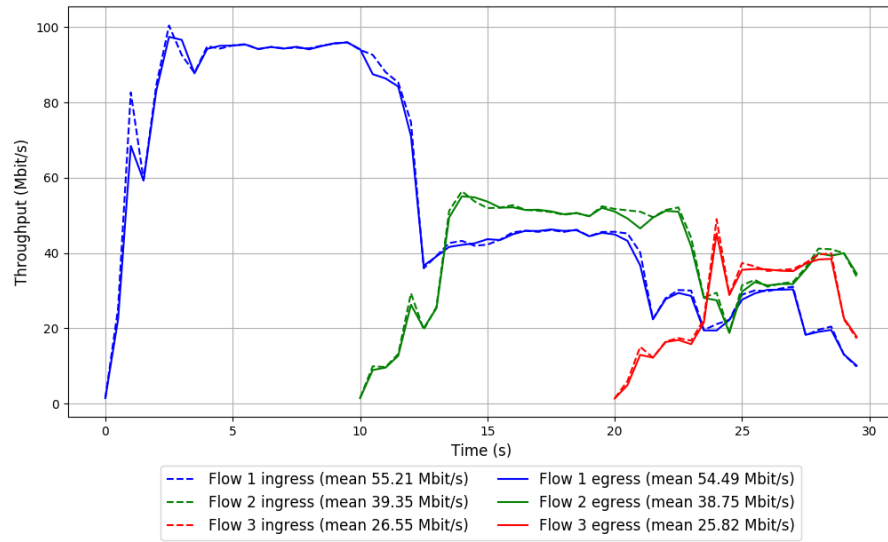
-- Flow 3:

Average throughput: 25.82 Mbit/s

95th percentile per-packet one-way delay: 45.350 ms

Loss rate: 2.80%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-13 19:00:29

End at: 2018-03-13 19:00:59

Local clock offset: 5.556 ms

Remote clock offset: 8.47 ms

Below is generated by plot.py at 2018-03-13 22:11:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 38.685 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 35.913 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 38.75 Mbit/s

95th percentile per-packet one-way delay: 40.926 ms

Loss rate: 2.54%

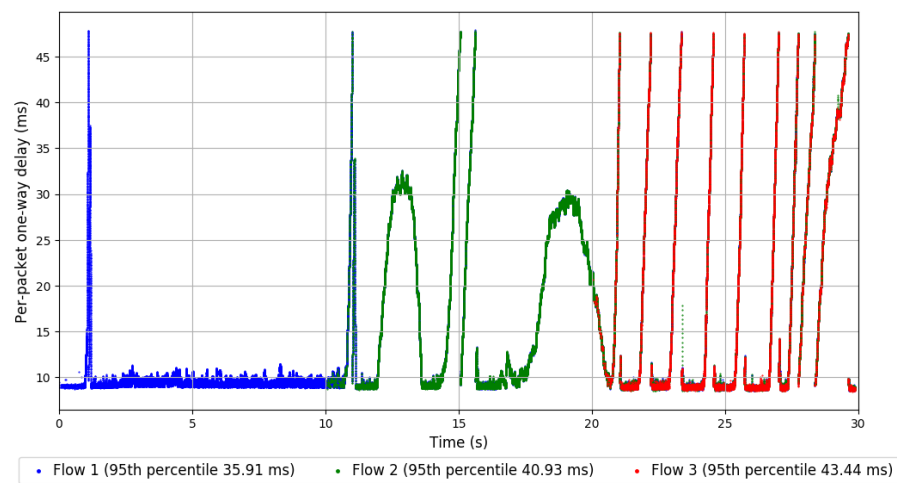
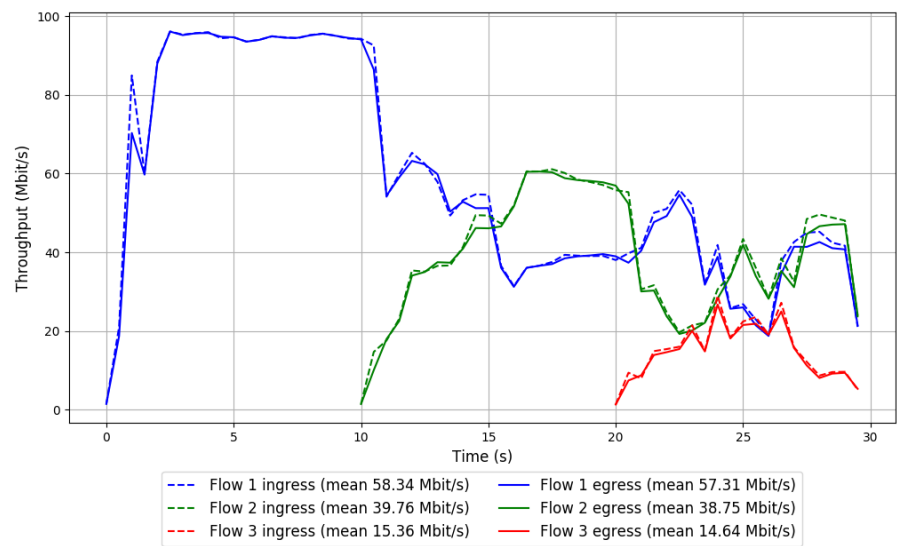
-- Flow 3:

Average throughput: 14.64 Mbit/s

95th percentile per-packet one-way delay: 43.444 ms

Loss rate: 4.80%

Run 5: Report of Vivace-LTE — Data Link

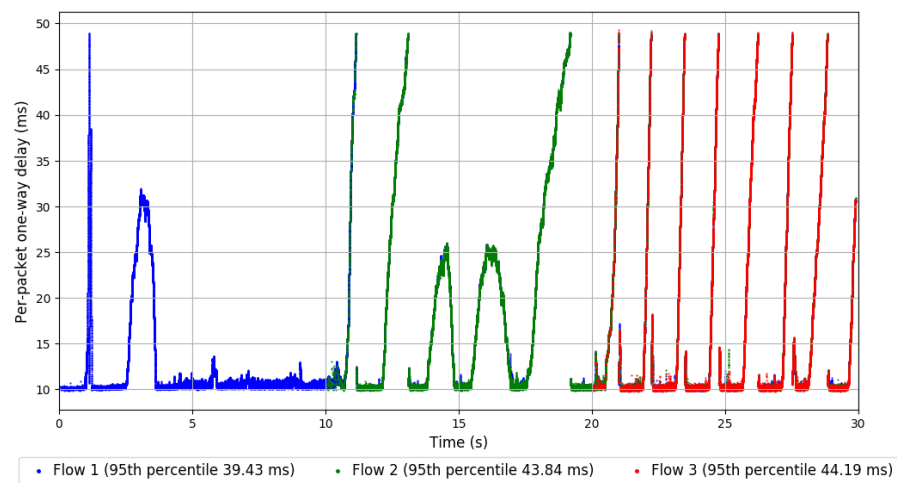
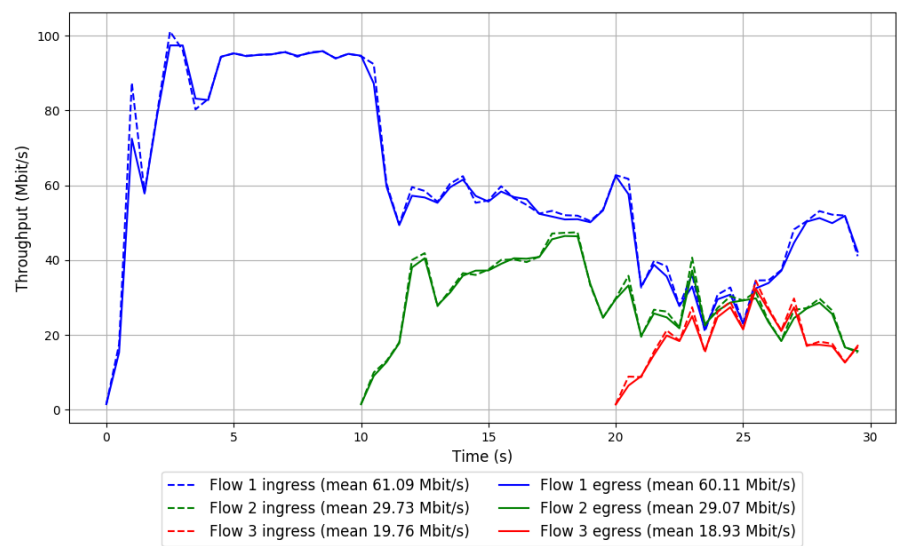


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-13 19:21:36
End at: 2018-03-13 19:22:06
Local clock offset: 4.267 ms
Remote clock offset: 15.151 ms

Below is generated by plot.py at 2018-03-13 22:11:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 41.403 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 60.11 Mbit/s
95th percentile per-packet one-way delay: 39.428 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 43.839 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 44.190 ms
Loss rate: 3.98%

Run 6: Report of Vivace-LTE — Data Link

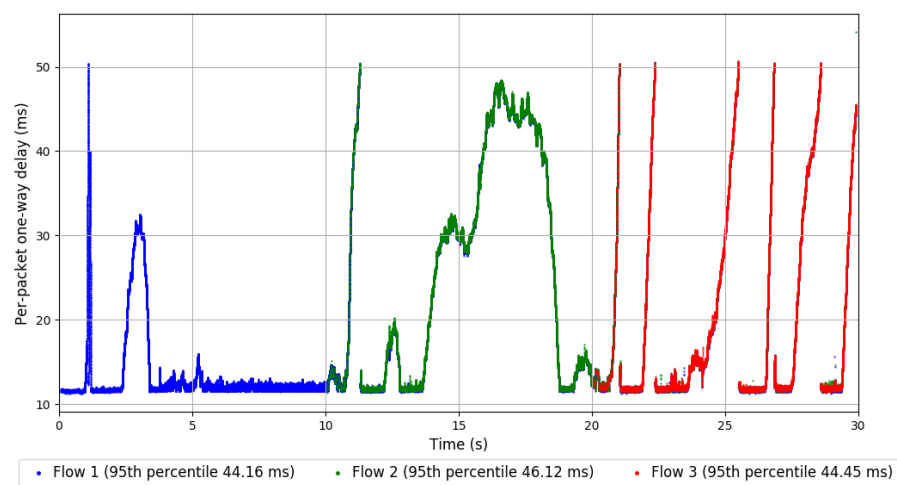
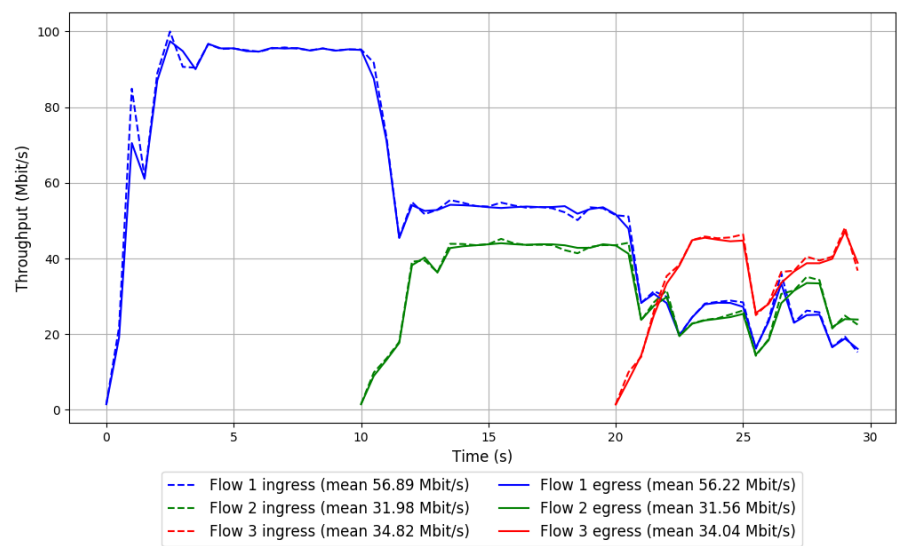


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-13 19:42:47
End at: 2018-03-13 19:43:17
Local clock offset: 3.98 ms
Remote clock offset: 17.537 ms

```
# Below is generated by plot.py at 2018-03-13 22:11:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.44 Mbit/s
95th percentile per-packet one-way delay: 44.684 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 44.155 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 46.115 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 44.455 ms
Loss rate: 1.94%
```

Run 7: Report of Vivace-LTE — Data Link

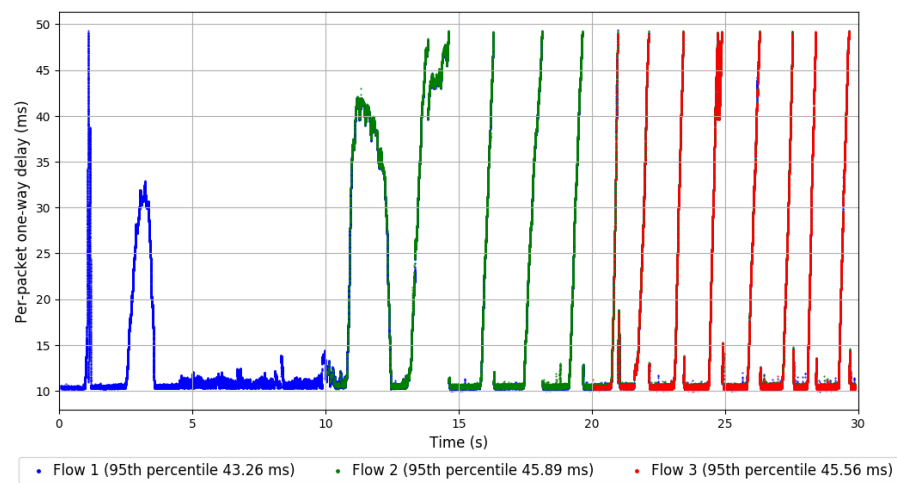
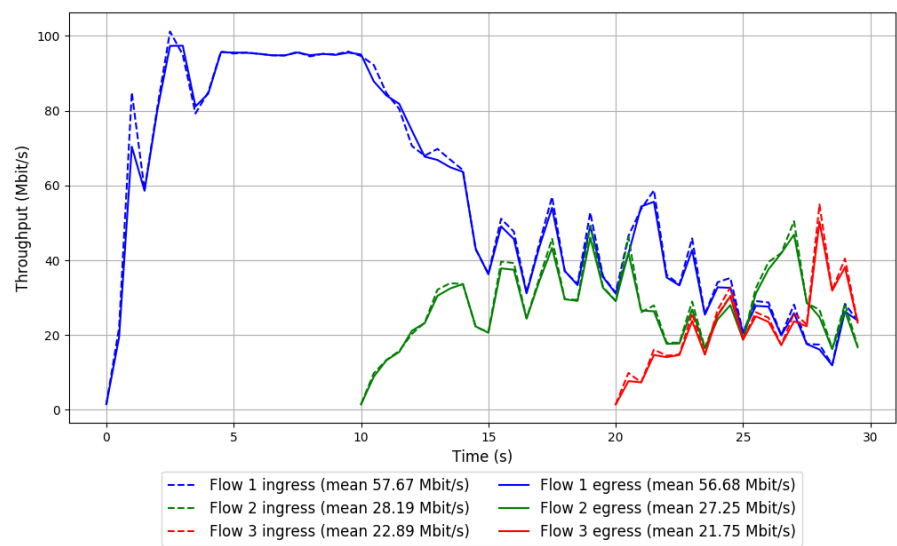


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-13 20:04:07
End at: 2018-03-13 20:04:37
Local clock offset: 1.997 ms
Remote clock offset: 17.475 ms

Below is generated by plot.py at 2018-03-13 22:11:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: 44.017 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 43.262 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 27.25 Mbit/s
95th percentile per-packet one-way delay: 45.888 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 45.560 ms
Loss rate: 4.98%

Run 8: Report of Vivace-LTE — Data Link

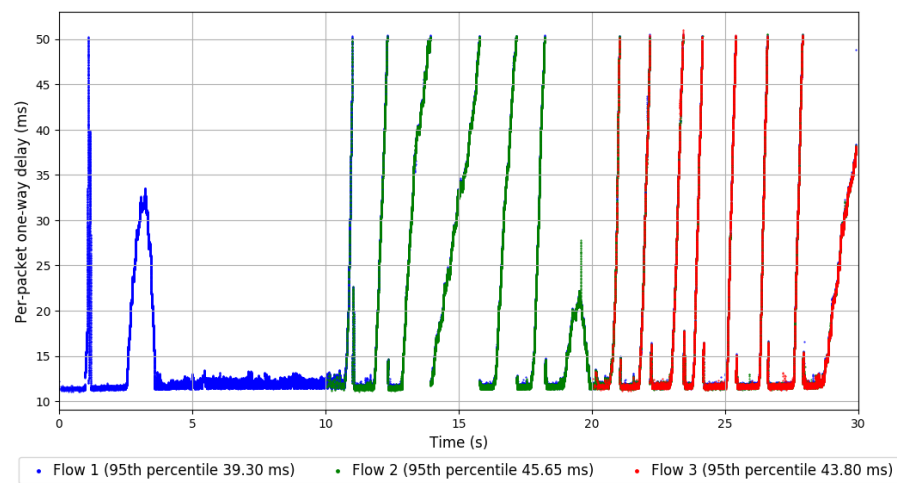
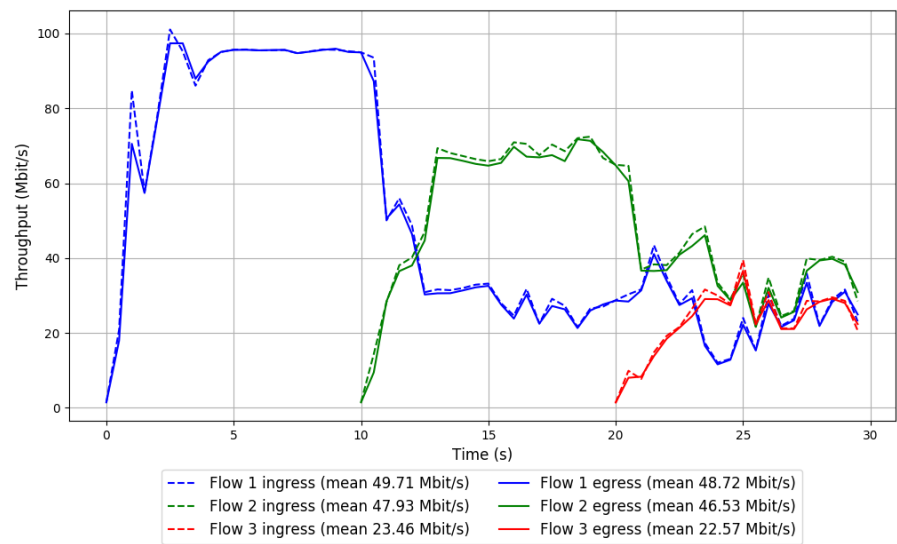


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-13 20:25:38
End at: 2018-03-13 20:26:08
Local clock offset: 1.076 ms
Remote clock offset: -2.297 ms

Below is generated by plot.py at 2018-03-13 22:11:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 42.902 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 39.297 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 45.645 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 22.57 Mbit/s
95th percentile per-packet one-way delay: 43.798 ms
Loss rate: 3.54%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-13 20:47:37
End at: 2018-03-13 20:48:07
Local clock offset: 3.969 ms
Remote clock offset: -4.808 ms

Below is generated by plot.py at 2018-03-13 22:11:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 43.764 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 40.543 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 45.376 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 45.785 ms
Loss rate: 2.42%

Run 10: Report of Vivace-LTE — Data Link

