

Pantheon Report

Generated at 2018-03-06 19:53:58 (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).

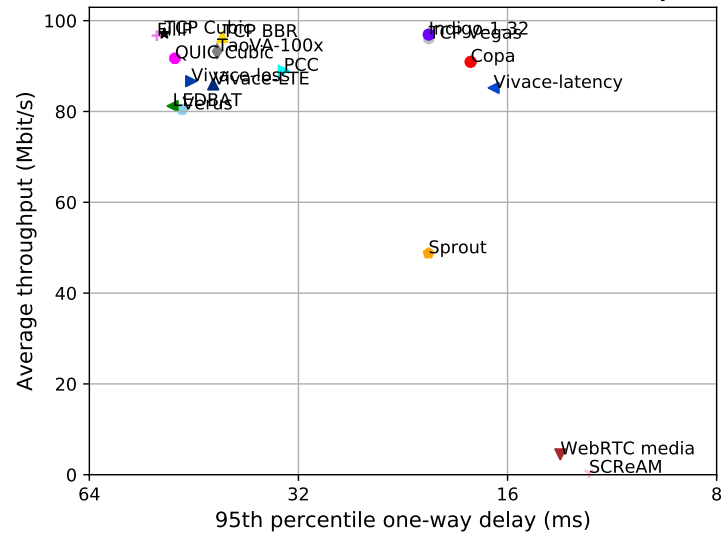
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

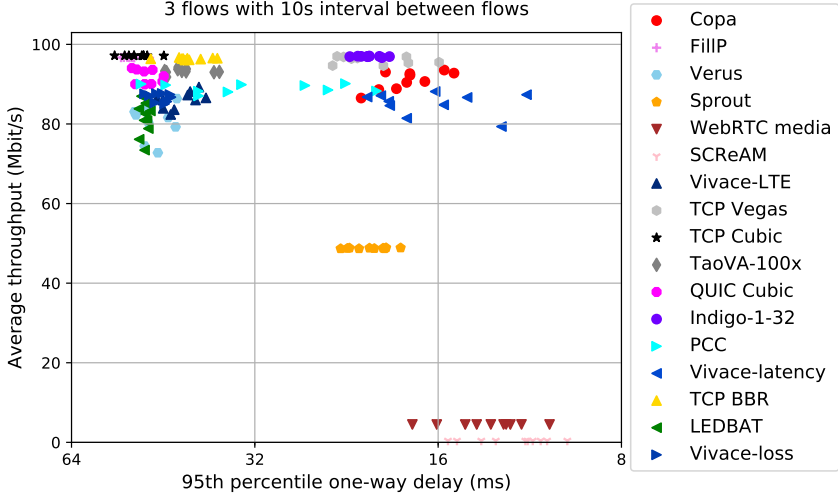
Git summary:

```
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 @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ 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	54.85	41.54	41.84	39.59	42.43	43.79	1.13	1.79	2.44
TCP Cubic	10	71.02	28.77	21.11	49.77	50.01	50.27	0.91	1.12	0.98
LEDBAT	10	49.16	34.42	28.04	48.30	48.86	48.83	0.51	0.72	0.78
PCC	10	77.46	12.91	8.86	32.88	35.43	39.12	2.29	3.01	3.73
QUIC Cubic	10	61.74	34.60	21.55	48.03	48.35	48.34	1.88	2.67	2.89
SCReAM	10	0.21	0.21	0.22	12.17	12.19	12.41	0.00	0.00	0.00
WebRTC media	10	2.35	1.50	0.64	13.20	13.27	14.36	0.01	0.00	0.00
Sprout	10	24.54	24.42	24.19	20.40	21.24	20.47	0.00	0.00	0.03
TaoVA-100x	10	54.47	41.09	34.42	38.68	42.83	45.14	3.45	6.99	15.45
TCP Vegas	10	57.86	39.07	36.68	22.04	16.95	16.63	0.18	0.00	0.00
Verus	10	50.97	35.49	24.92	45.83	48.68	47.64	23.79	40.74	40.51
Copa	10	56.15	37.56	29.47	17.54	18.23	18.98	0.00	0.00	0.00
FillP	10	51.45	40.40	55.73	50.92	51.33	52.05	26.80	30.93	33.03
Indigo-1-32	10	55.15	39.31	48.05	20.40	21.13	21.86	0.00	0.00	0.00
Vivace-latency	10	58.71	30.24	19.34	16.37	17.57	18.48	0.06	0.10	0.09
Vivace-loss	10	53.69	36.66	26.20	45.29	45.86	45.81	11.88	14.27	14.97
Vivace-LTE	10	56.62	30.53	27.43	39.82	44.50	46.01	1.34	1.89	2.63

Run 1: Statistics of TCP BBR

Start at: 2018-03-06 15:29:50

End at: 2018-03-06 15:30:20

Local clock offset: 4.072 ms

Remote clock offset: 5.482 ms

Below is generated by plot.py at 2018-03-06 19:25:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 39.276 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 57.56 Mbit/s

95th percentile per-packet one-way delay: 38.087 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 34.16 Mbit/s

95th percentile per-packet one-way delay: 39.521 ms

Loss rate: 1.61%

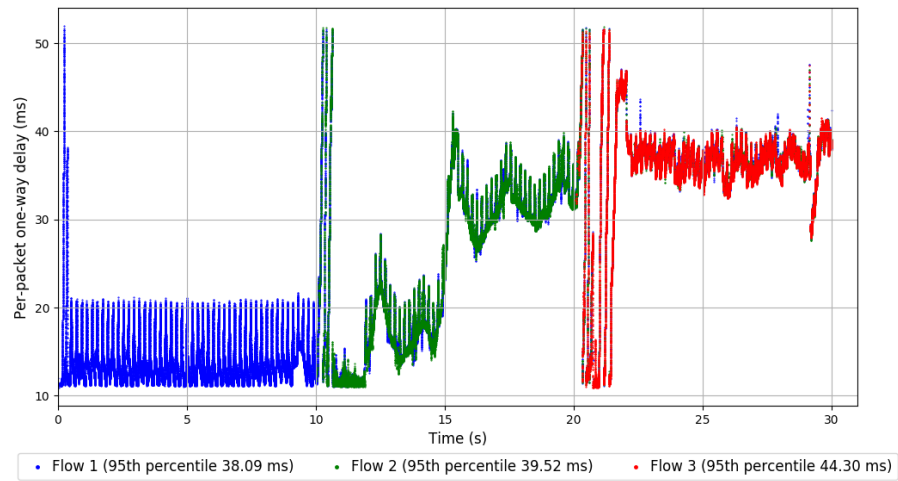
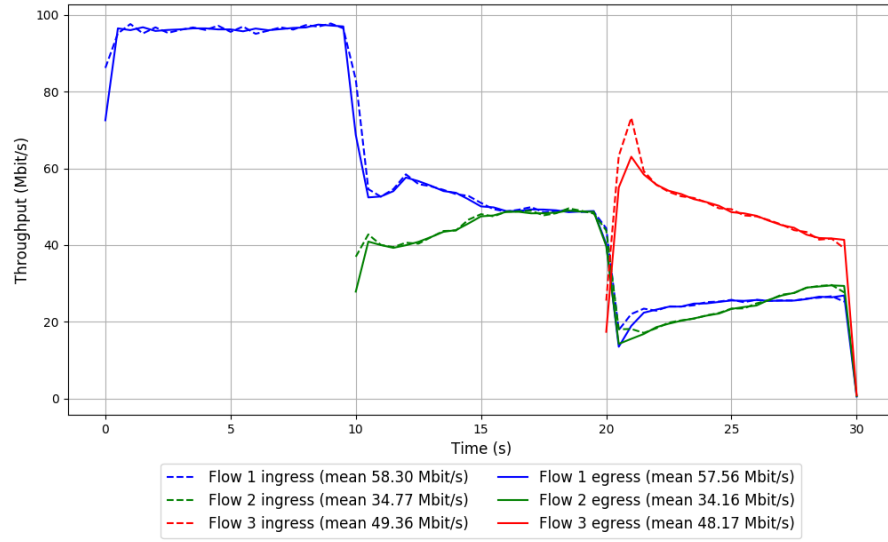
-- Flow 3:

Average throughput: 48.17 Mbit/s

95th percentile per-packet one-way delay: 44.304 ms

Loss rate: 2.34%

Run 1: Report of TCP BBR — Data Link

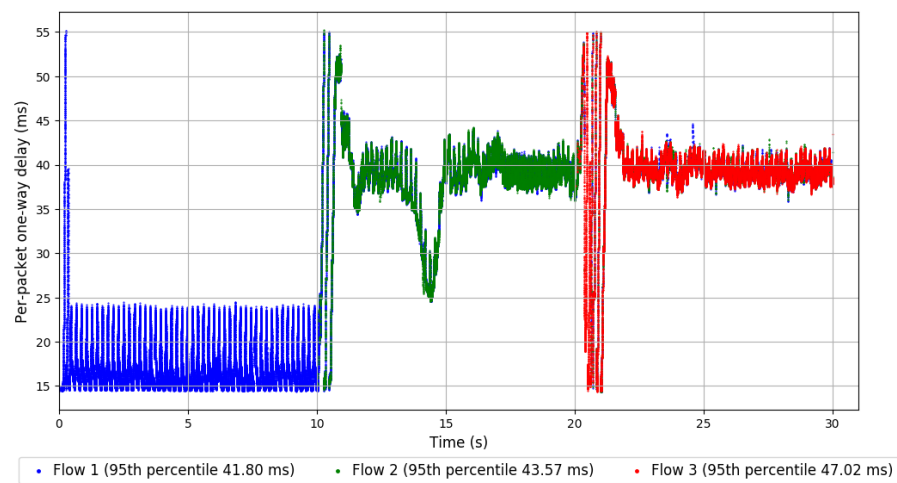
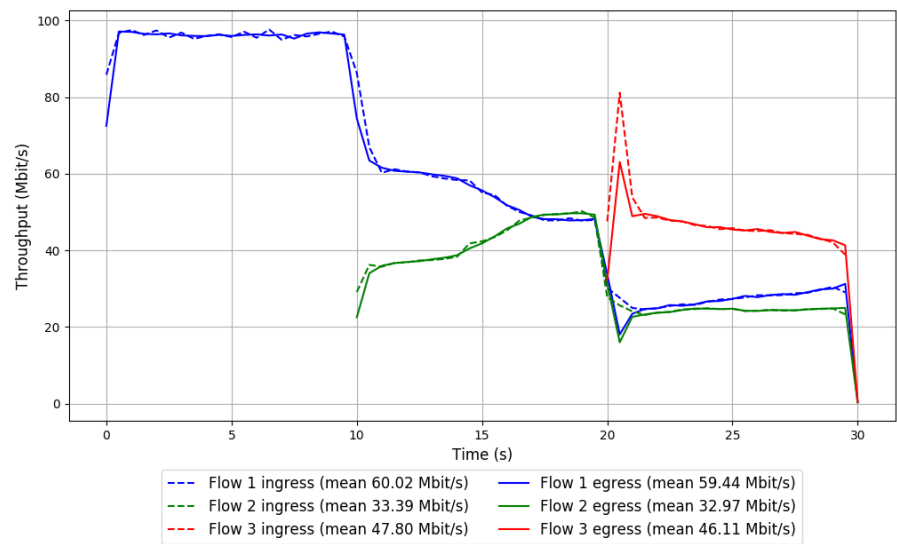


Run 2: Statistics of TCP BBR

Start at: 2018-03-06 15:51:09
End at: 2018-03-06 15:51:39
Local clock offset: 2.658 ms
Remote clock offset: 14.679 ms

Below is generated by plot.py at 2018-03-06 19:25:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 42.607 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 41.795 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 43.570 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 47.017 ms
Loss rate: 3.47%

Run 2: Report of TCP BBR — Data Link

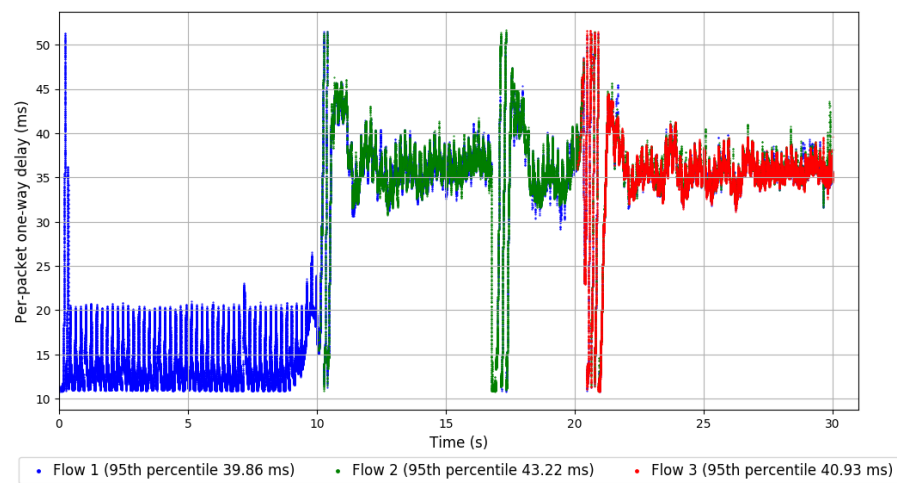
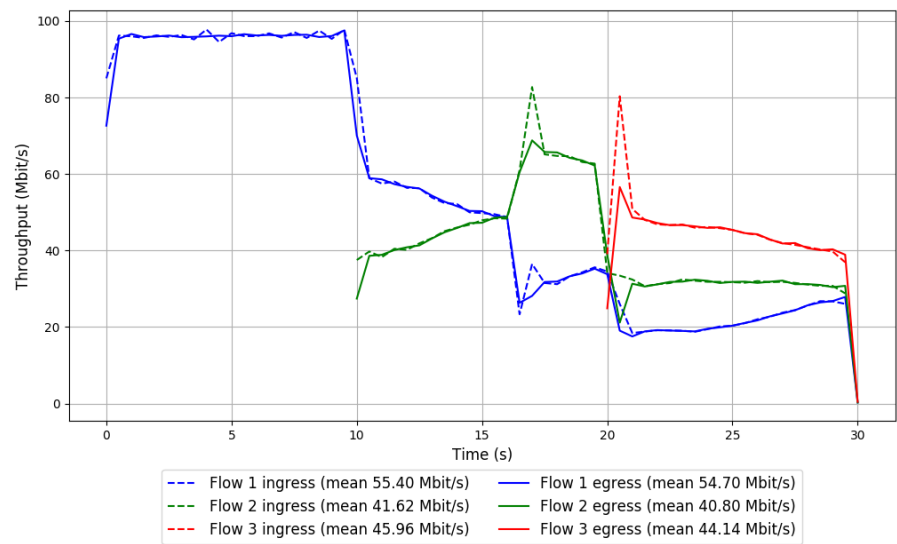


Run 3: Statistics of TCP BBR

Start at: 2018-03-06 16:12:34
End at: 2018-03-06 16:13:04
Local clock offset: 4.883 ms
Remote clock offset: 20.147 ms

Below is generated by plot.py at 2018-03-06 19:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 41.303 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 39.862 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 43.220 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 40.926 ms
Loss rate: 3.98%

Run 3: Report of TCP BBR — Data Link

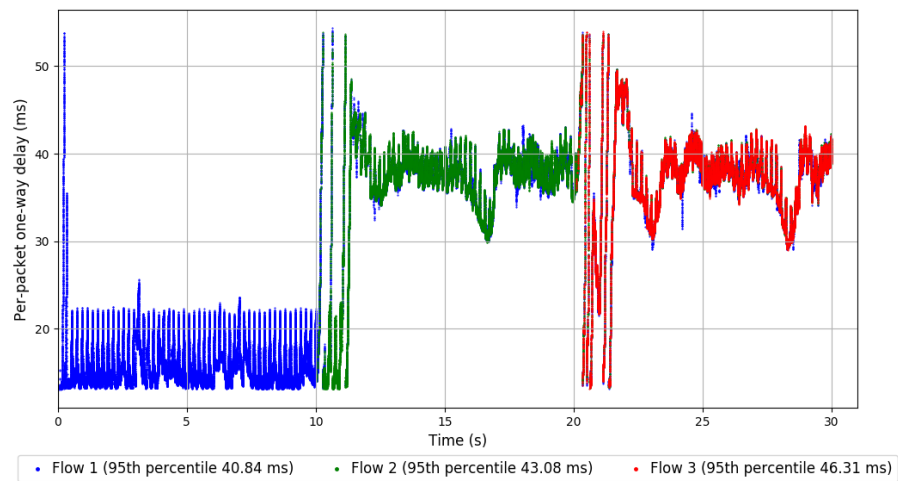
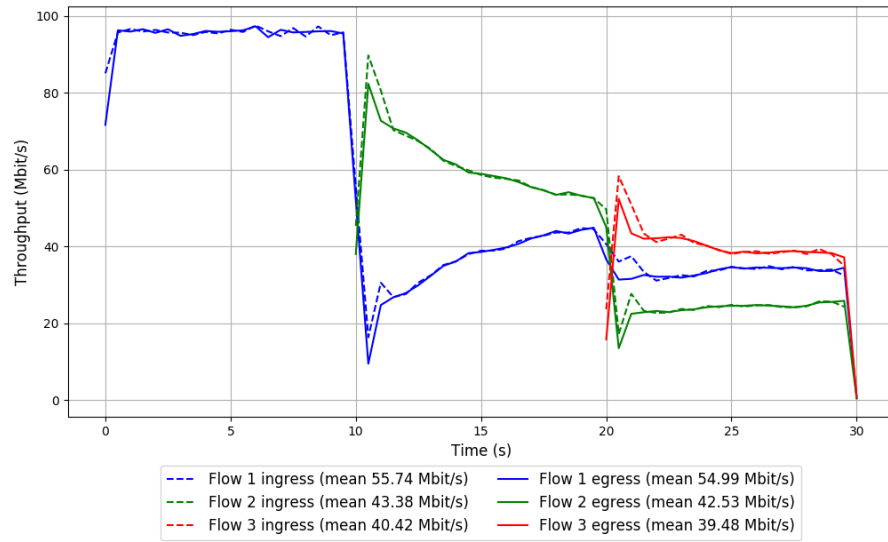


Run 4: Statistics of TCP BBR

Start at: 2018-03-06 16:33:56
End at: 2018-03-06 16:34:26
Local clock offset: 1.608 ms
Remote clock offset: 23.659 ms

Below is generated by plot.py at 2018-03-06 19:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 42.159 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 54.99 Mbit/s
95th percentile per-packet one-way delay: 40.844 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 42.53 Mbit/s
95th percentile per-packet one-way delay: 43.079 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 46.307 ms
Loss rate: 2.32%

Run 4: Report of TCP BBR — Data Link

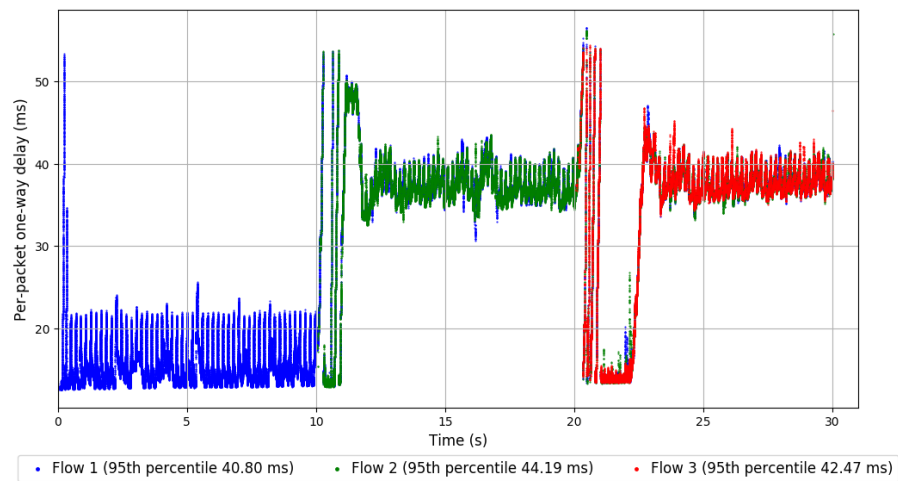
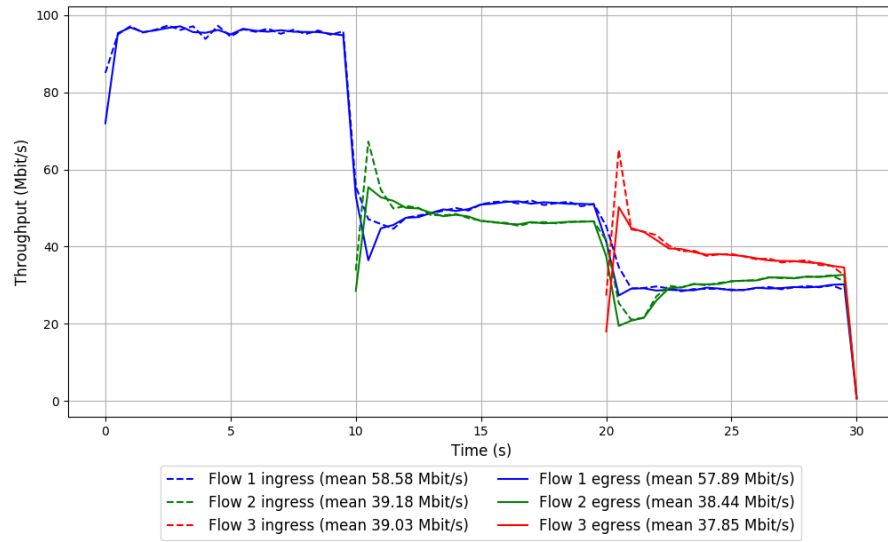


Run 5: Statistics of TCP BBR

Start at: 2018-03-06 16:55:05
End at: 2018-03-06 16:55:35
Local clock offset: 2.755 ms
Remote clock offset: 17.057 ms

Below is generated by plot.py at 2018-03-06 19:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 41.693 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 40.800 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 44.191 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 42.474 ms
Loss rate: 2.92%

Run 5: Report of TCP BBR — Data Link

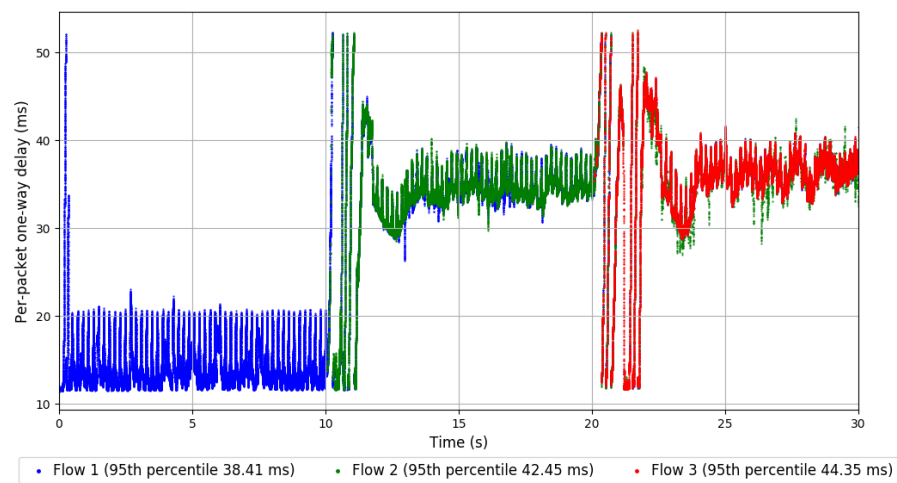
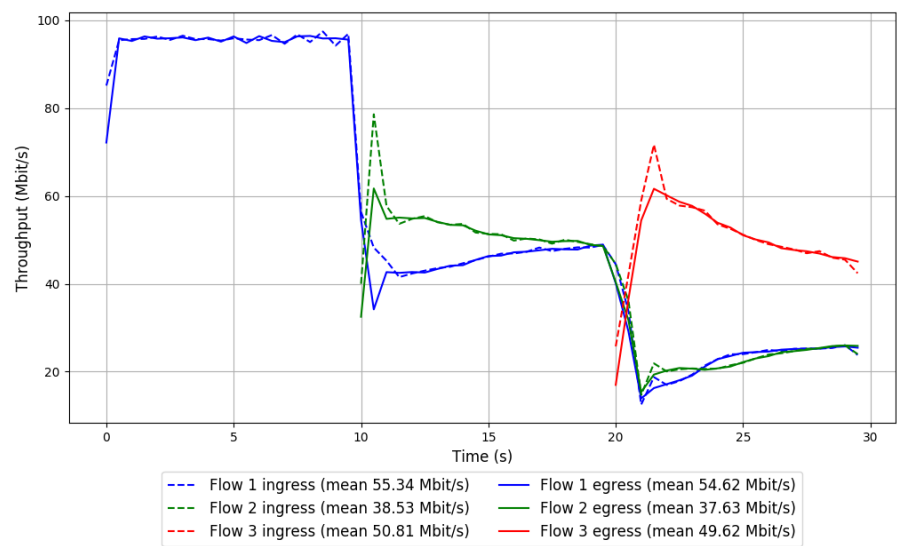


Run 6: Statistics of TCP BBR

Start at: 2018-03-06 17:16:18
End at: 2018-03-06 17:16:48
Local clock offset: 3.778 ms
Remote clock offset: -5.224 ms

Below is generated by plot.py at 2018-03-06 19:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 41.010 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 38.413 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 42.447 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 49.62 Mbit/s
95th percentile per-packet one-way delay: 44.352 ms
Loss rate: 2.37%

Run 6: Report of TCP BBR — Data Link

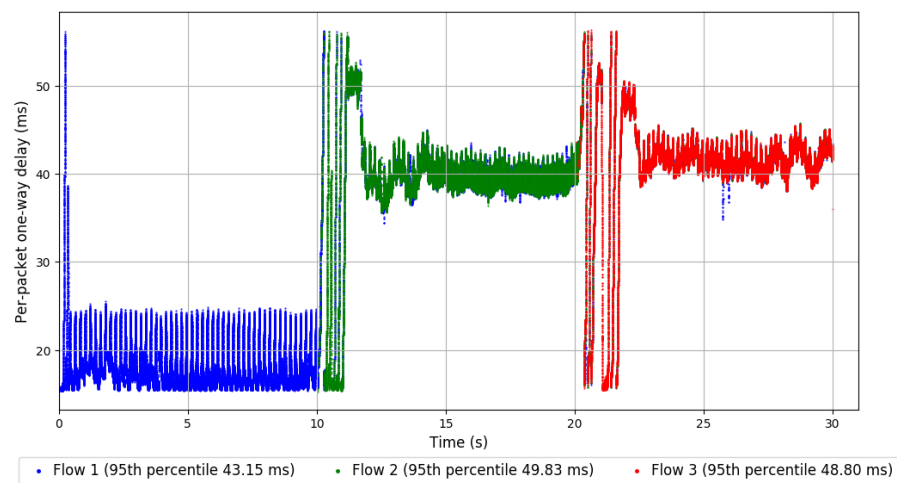
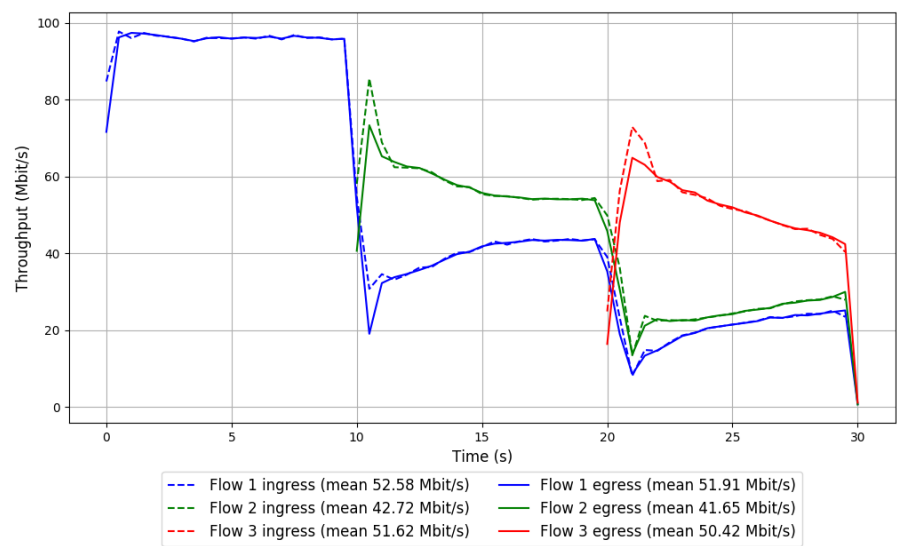


Run 7: Statistics of TCP BBR

Start at: 2018-03-06 17:37:37
End at: 2018-03-06 17:38:07
Local clock offset: 0.389 ms
Remote clock offset: -12.737 ms

Below is generated by plot.py at 2018-03-06 19:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 47.431 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 43.153 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 41.65 Mbit/s
95th percentile per-packet one-way delay: 49.833 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 50.42 Mbit/s
95th percentile per-packet one-way delay: 48.804 ms
Loss rate: 2.39%

Run 7: Report of TCP BBR — Data Link

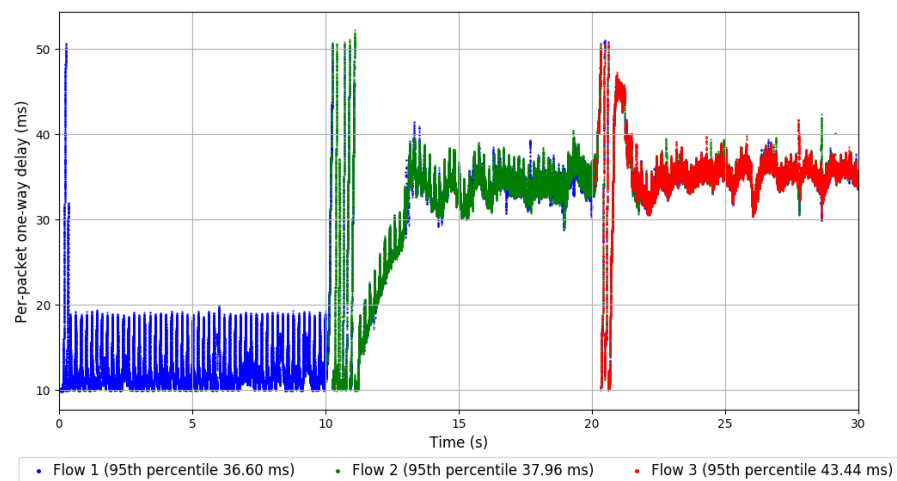
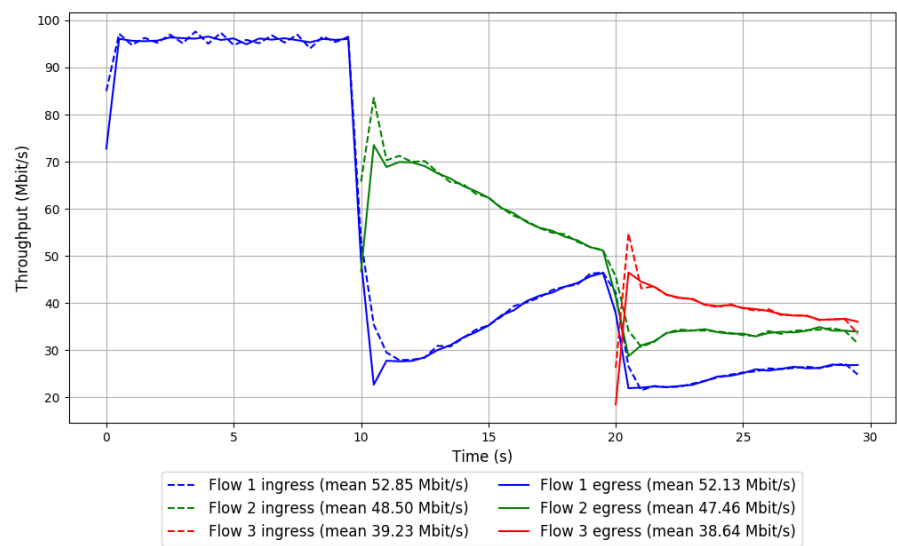


Run 8: Statistics of TCP BBR

Start at: 2018-03-06 17:59:01
End at: 2018-03-06 17:59:31
Local clock offset: 5.48 ms
Remote clock offset: -20.207 ms

Below is generated by plot.py at 2018-03-06 19:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 37.522 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 36.605 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 47.46 Mbit/s
95th percentile per-packet one-way delay: 37.957 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 43.437 ms
Loss rate: 1.51%

Run 8: Report of TCP BBR — Data Link

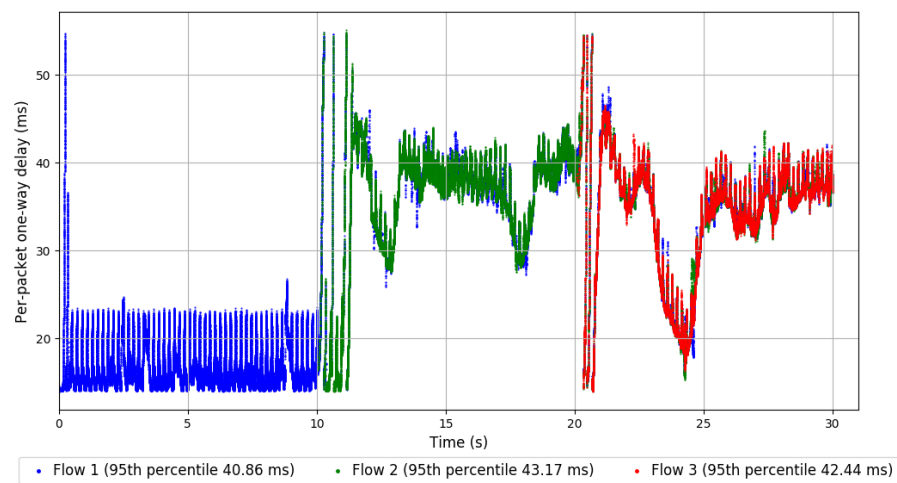
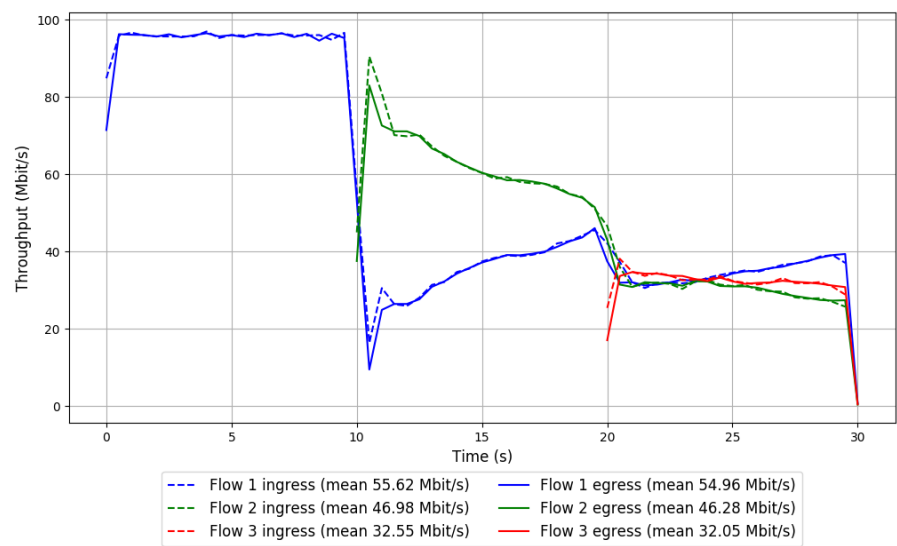


Run 9: Statistics of TCP BBR

Start at: 2018-03-06 18:20:21
End at: 2018-03-06 18:20:51
Local clock offset: 2.942 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-03-06 19:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 41.956 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 40.856 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 43.172 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 42.439 ms
Loss rate: 1.54%

Run 9: Report of TCP BBR — Data Link

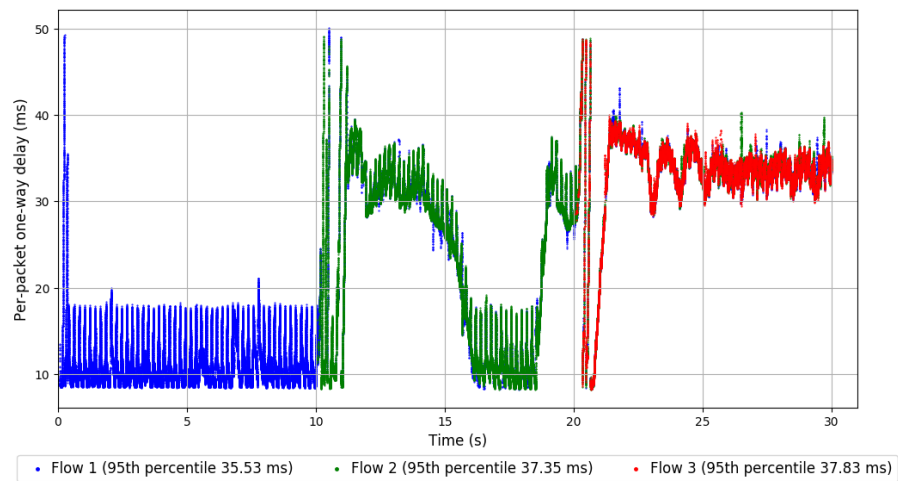
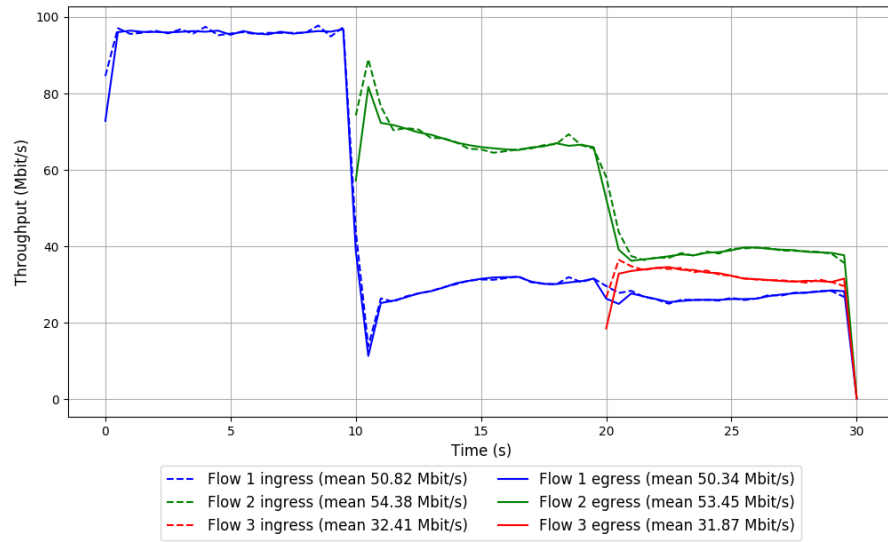


Run 10: Statistics of TCP BBR

Start at: 2018-03-06 18:41:50
End at: 2018-03-06 18:42:20
Local clock offset: 8.1 ms
Remote clock offset: 11.113 ms

Below is generated by plot.py at 2018-03-06 19:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 36.872 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 35.530 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 53.45 Mbit/s
95th percentile per-packet one-way delay: 37.348 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 37.826 ms
Loss rate: 1.61%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-06 15:31:01

End at: 2018-03-06 15:31:31

Local clock offset: 4.614 ms

Remote clock offset: 6.68 ms

Below is generated by plot.py at 2018-03-06 19:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 50.514 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 74.39 Mbit/s

95th percentile per-packet one-way delay: 50.474 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 29.70 Mbit/s

95th percentile per-packet one-way delay: 50.550 ms

Loss rate: 1.12%

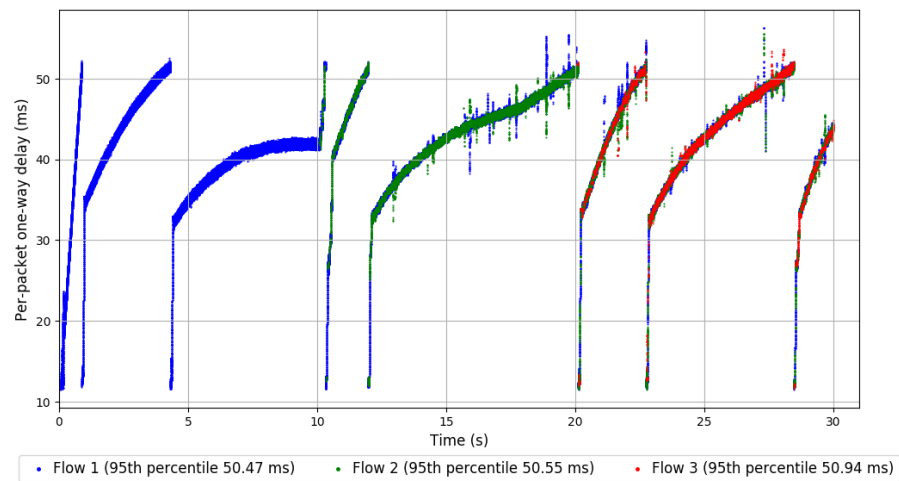
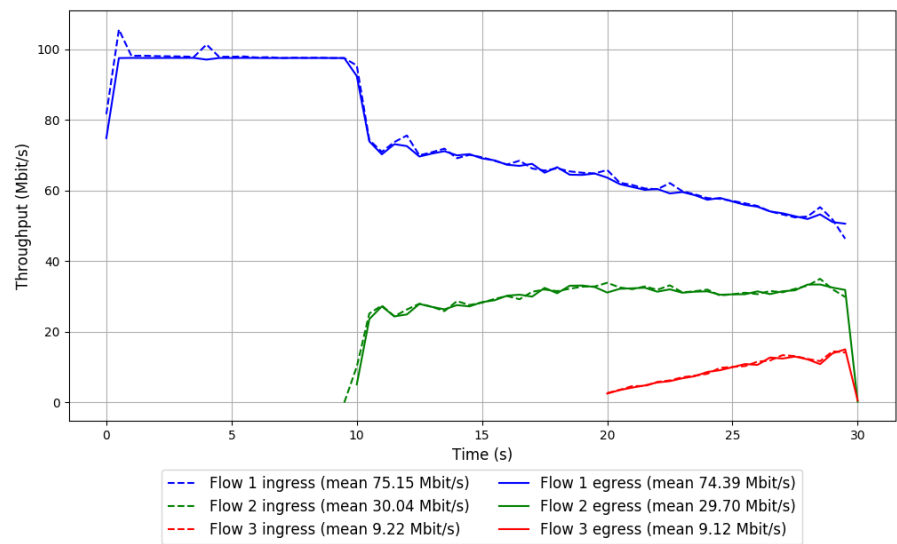
-- Flow 3:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 50.941 ms

Loss rate: 1.16%

Run 1: Report of TCP Cubic — Data Link

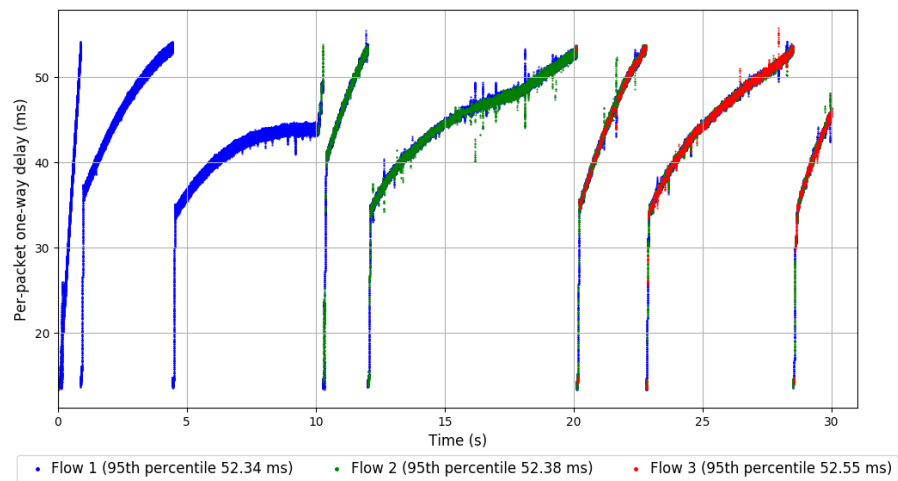
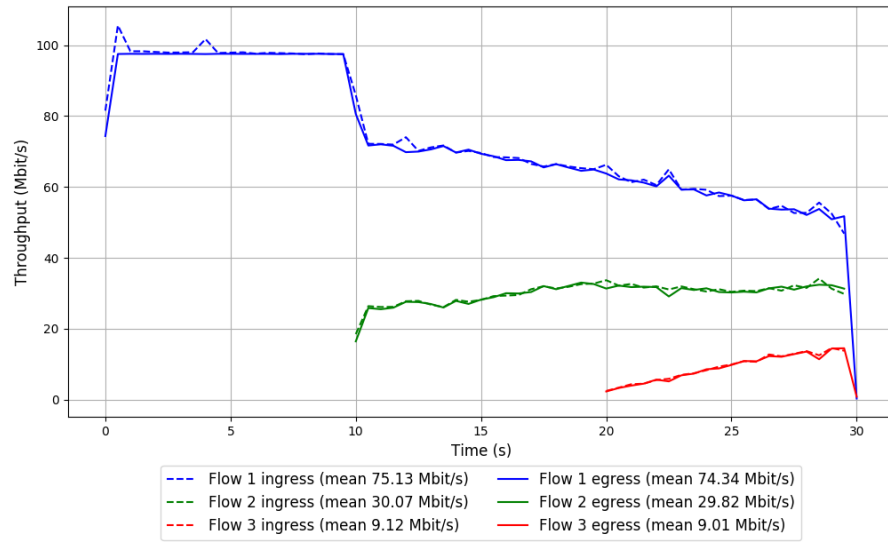


Run 2: Statistics of TCP Cubic

Start at: 2018-03-06 15:52:21
End at: 2018-03-06 15:52:51
Local clock offset: 2.404 ms
Remote clock offset: 13.971 ms

Below is generated by plot.py at 2018-03-06 19:27:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 52.355 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 74.34 Mbit/s
95th percentile per-packet one-way delay: 52.343 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 52.376 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 52.546 ms
Loss rate: 1.22%

Run 2: Report of TCP Cubic — Data Link

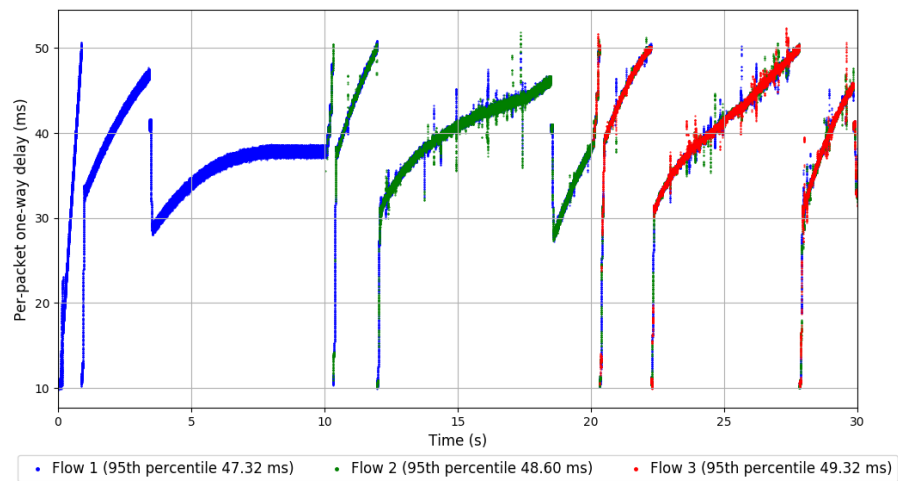
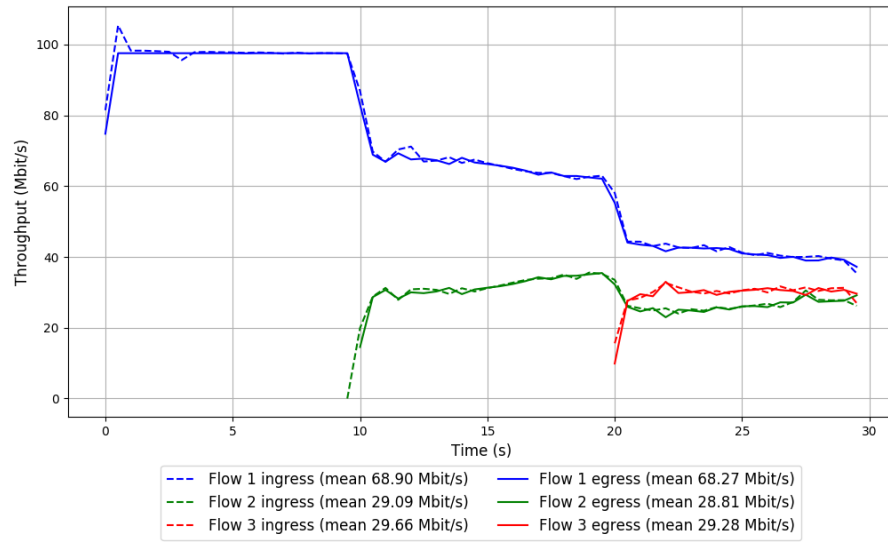


Run 3: Statistics of TCP Cubic

Start at: 2018-03-06 16:13:45
End at: 2018-03-06 16:14:15
Local clock offset: 5.325 ms
Remote clock offset: 19.859 ms

Below is generated by plot.py at 2018-03-06 19:27:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 48.064 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 47.320 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 48.599 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 49.321 ms
Loss rate: 1.30%

Run 3: Report of TCP Cubic — Data Link

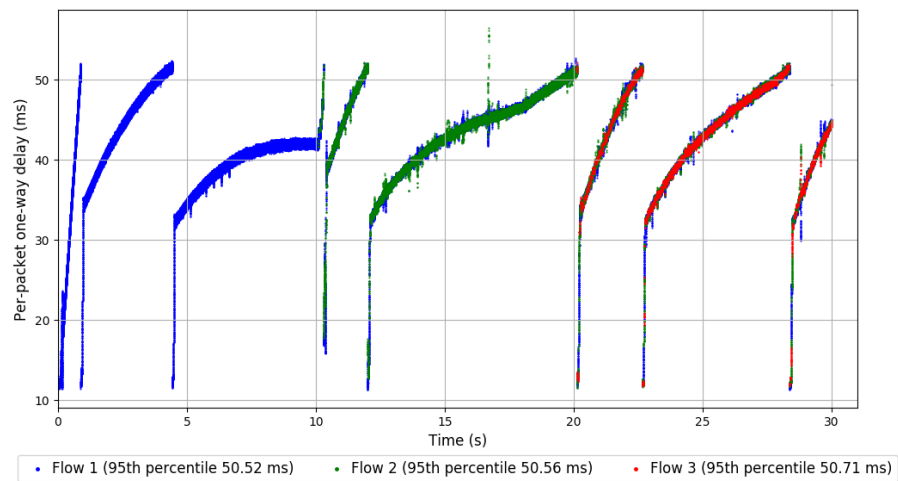
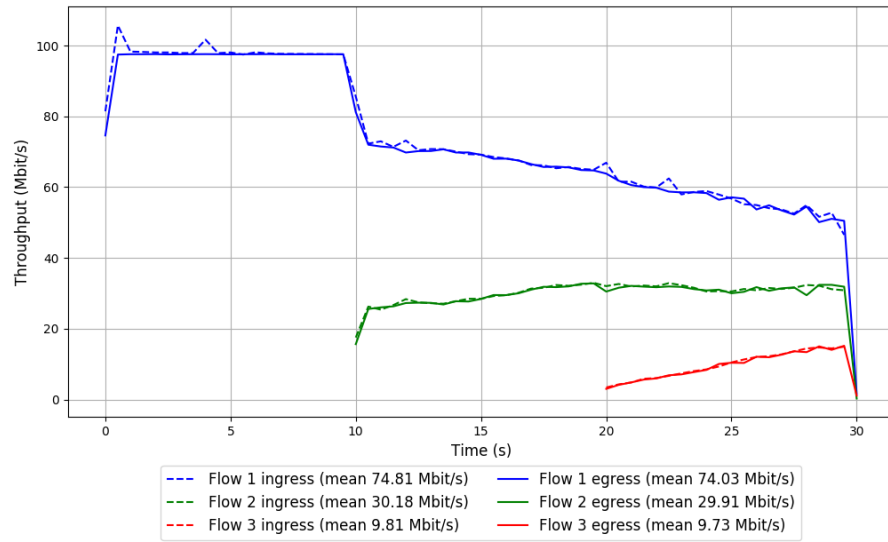


Run 4: Statistics of TCP Cubic

Start at: 2018-03-06 16:35:06
End at: 2018-03-06 16:35:36
Local clock offset: 3.324 ms
Remote clock offset: 23.868 ms

Below is generated by plot.py at 2018-03-06 19:27:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 50.540 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 50.515 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 50.564 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 50.708 ms
Loss rate: 0.93%

Run 4: Report of TCP Cubic — Data Link

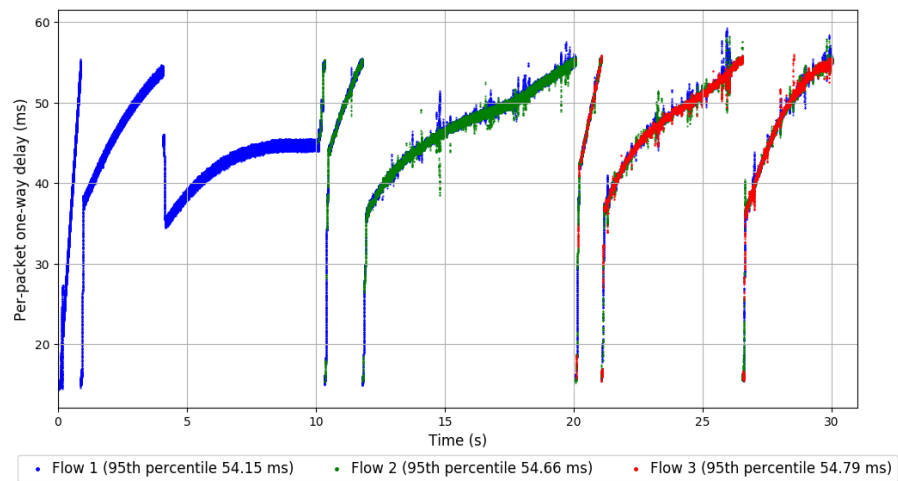
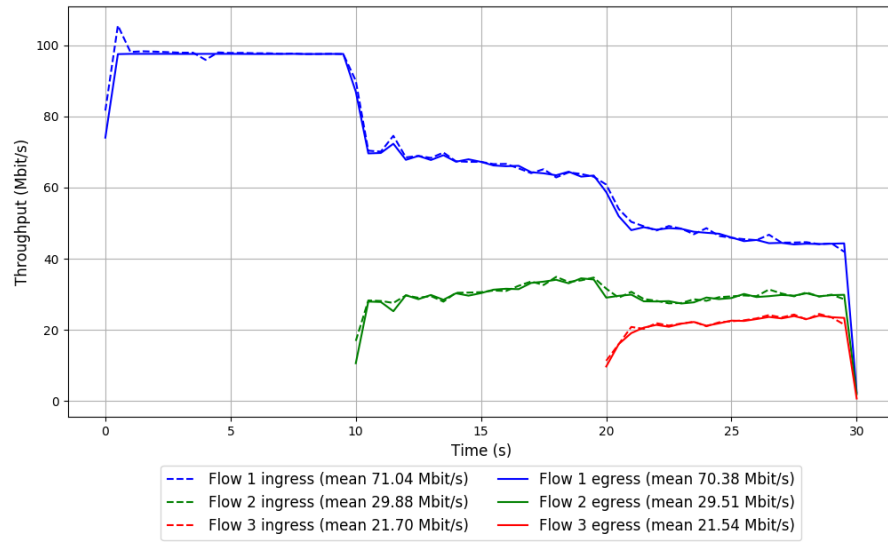


Run 5: Statistics of TCP Cubic

Start at: 2018-03-06 16:56:17
End at: 2018-03-06 16:56:47
Local clock offset: 1.707 ms
Remote clock offset: 15.194 ms

Below is generated by plot.py at 2018-03-06 19:27:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 54.378 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 70.38 Mbit/s
95th percentile per-packet one-way delay: 54.150 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 54.657 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 54.788 ms
Loss rate: 0.73%

Run 5: Report of TCP Cubic — Data Link

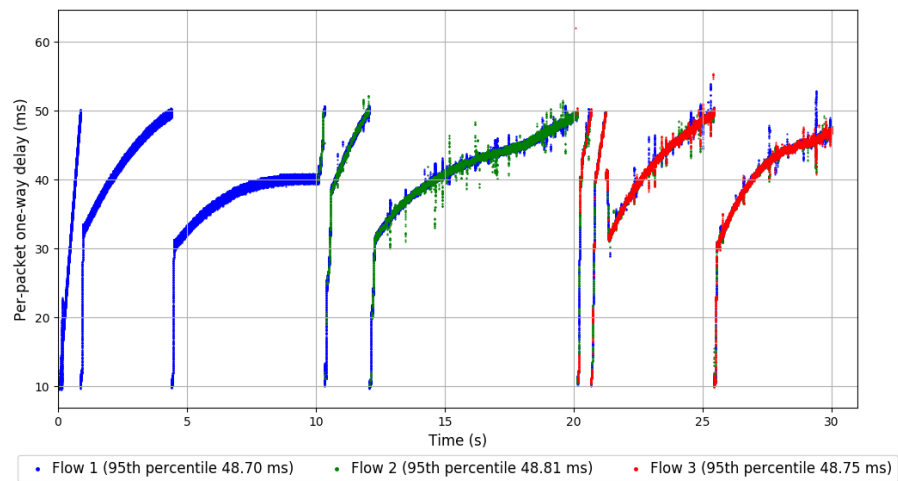
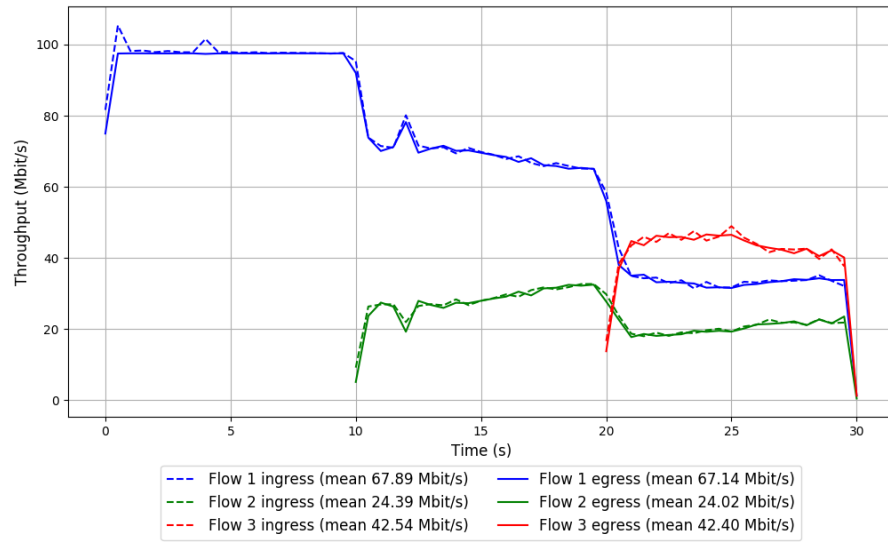


Run 6: Statistics of TCP Cubic

Start at: 2018-03-06 17:17:29
End at: 2018-03-06 17:17:59
Local clock offset: 5.098 ms
Remote clock offset: -6.423 ms

Below is generated by plot.py at 2018-03-06 19:27:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 48.738 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 67.14 Mbit/s
95th percentile per-packet one-way delay: 48.695 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 48.808 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 42.40 Mbit/s
95th percentile per-packet one-way delay: 48.747 ms
Loss rate: 0.48%

Run 6: Report of TCP Cubic — Data Link

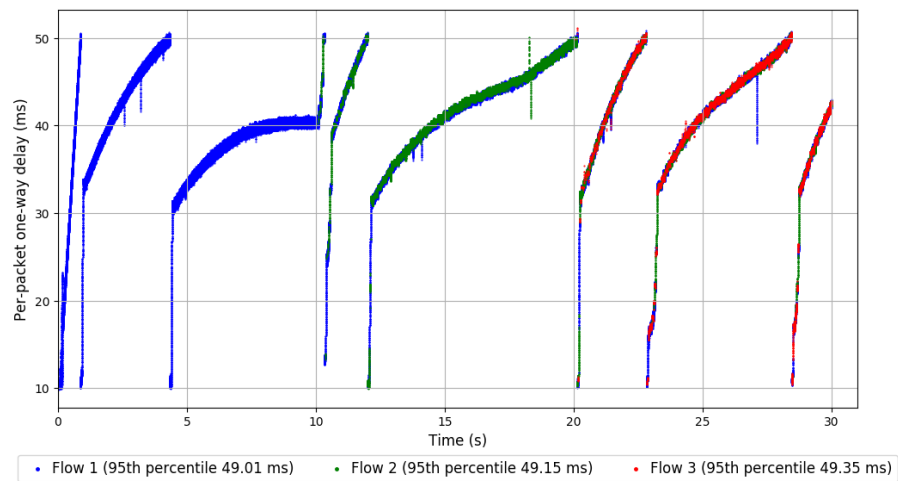
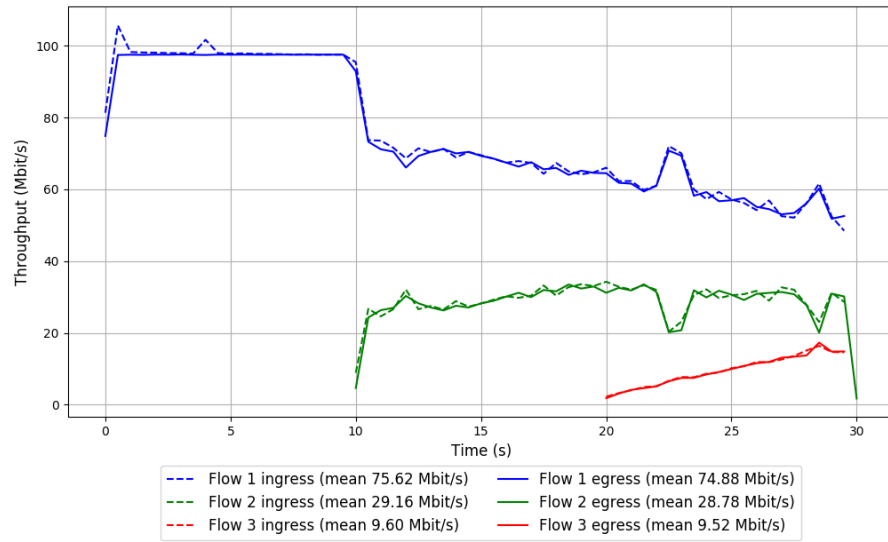


Run 7: Statistics of TCP Cubic

Start at: 2018-03-06 17:38:50
End at: 2018-03-06 17:39:20
Local clock offset: 4.209 ms
Remote clock offset: -14.862 ms

Below is generated by plot.py at 2018-03-06 19:28:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 49.068 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 49.013 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 49.146 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 49.348 ms
Loss rate: 0.87%

Run 7: Report of TCP Cubic — Data Link

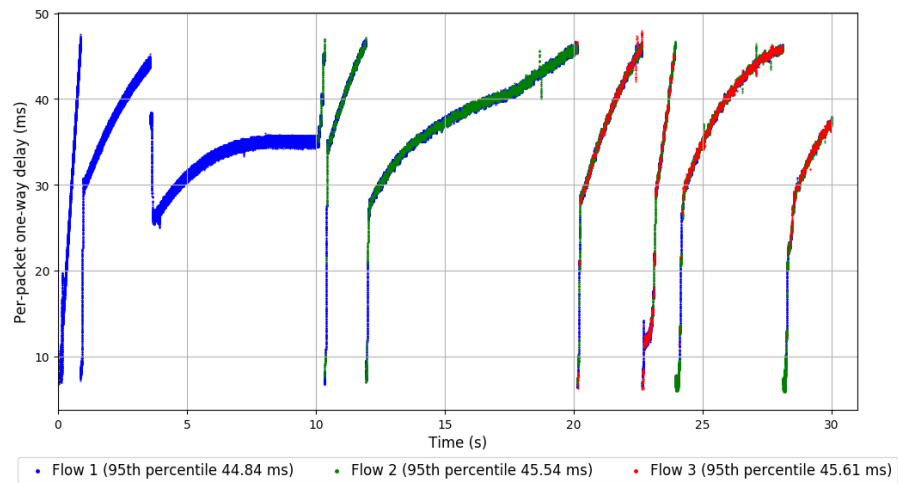
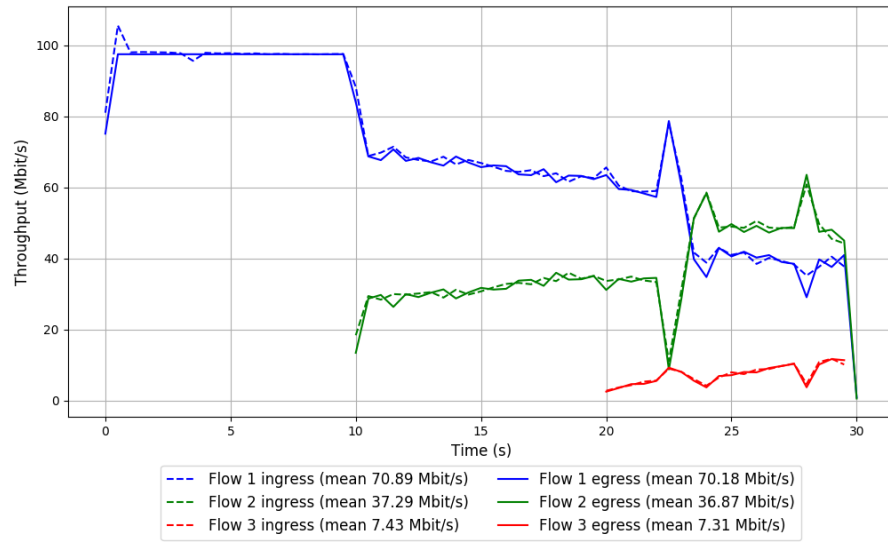


Run 8: Statistics of TCP Cubic

Start at: 2018-03-06 18:00:12
End at: 2018-03-06 18:00:42
Local clock offset: 7.719 ms
Remote clock offset: -19.762 ms

Below is generated by plot.py at 2018-03-06 19:28:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 45.142 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 70.18 Mbit/s
95th percentile per-packet one-way delay: 44.841 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 45.538 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 45.611 ms
Loss rate: 1.65%

Run 8: Report of TCP Cubic — Data Link

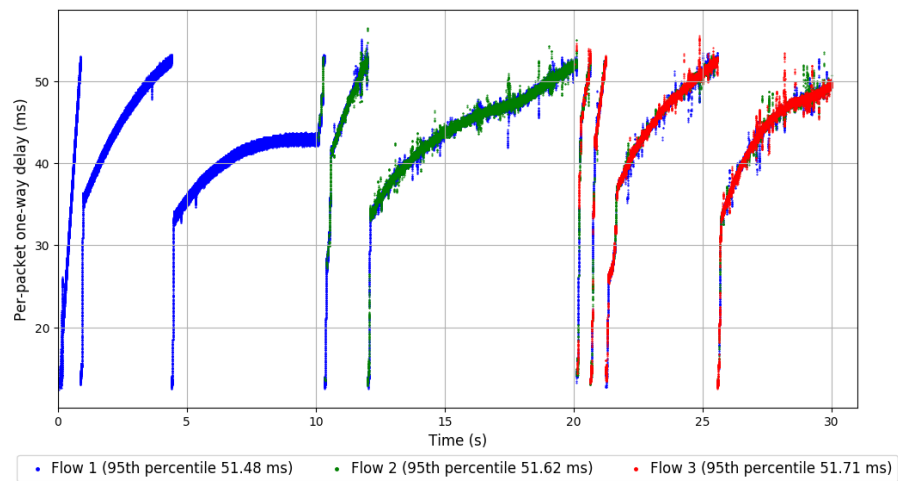
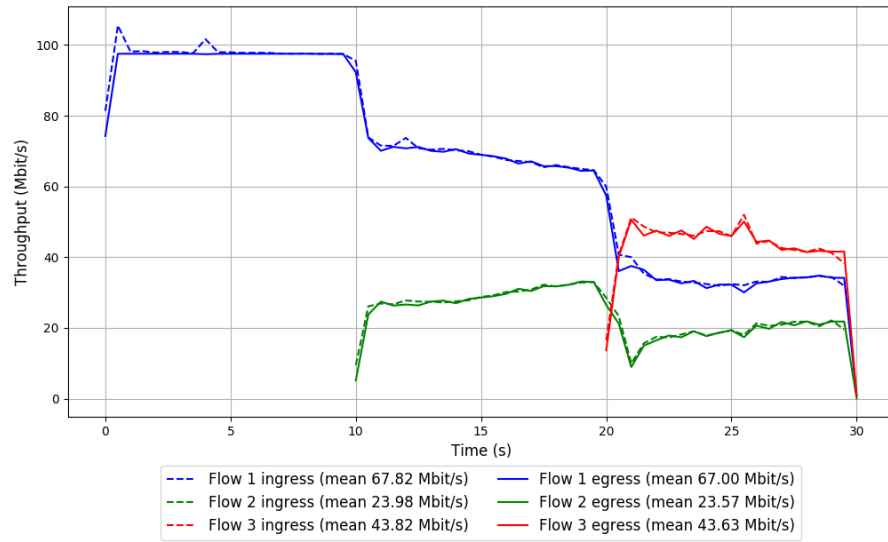


Run 9: Statistics of TCP Cubic

Start at: 2018-03-06 18:21:32
End at: 2018-03-06 18:22:02
Local clock offset: 4.467 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-03-06 19:28:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 51.521 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 67.00 Mbit/s
95th percentile per-packet one-way delay: 51.483 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 51.624 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 51.710 ms
Loss rate: 0.46%

Run 9: Report of TCP Cubic — Data Link

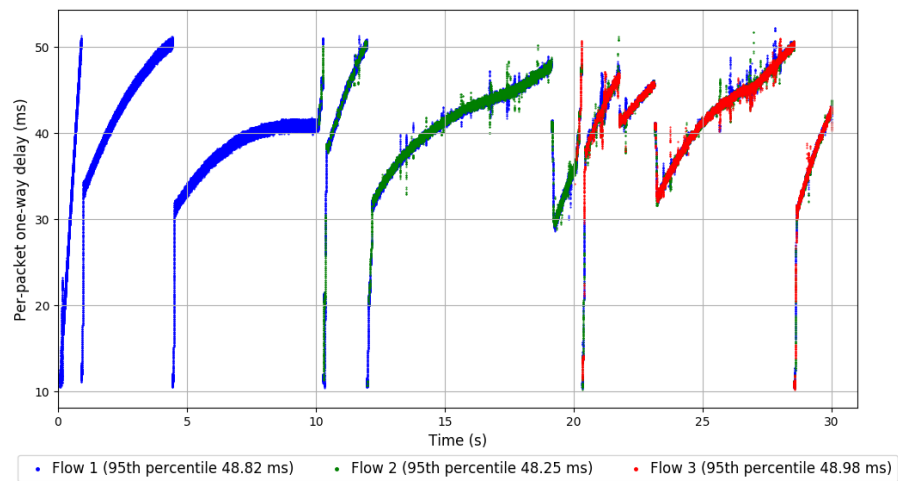
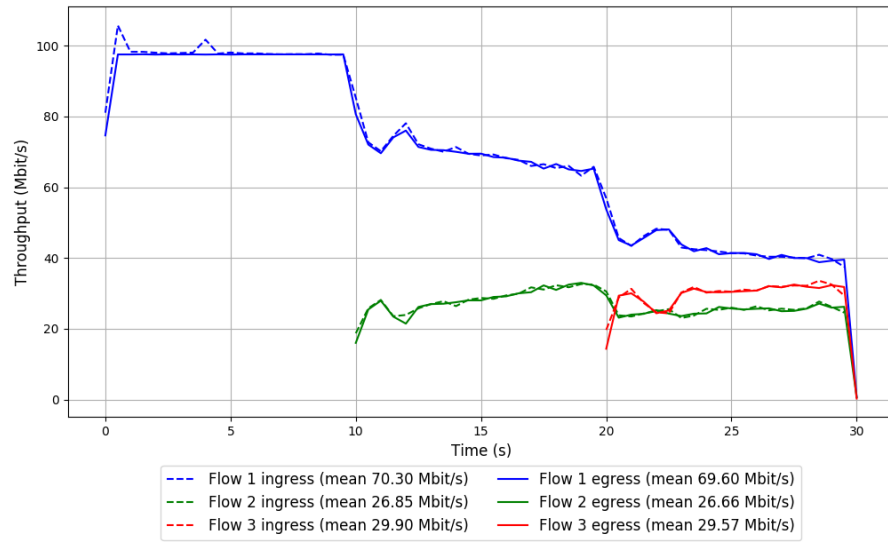


Run 10: Statistics of TCP Cubic

Start at: 2018-03-06 18:43:01
End at: 2018-03-06 18:43:31
Local clock offset: 7.016 ms
Remote clock offset: 12.982 ms

Below is generated by plot.py at 2018-03-06 19:28:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 48.749 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 48.817 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 26.66 Mbit/s
95th percentile per-packet one-way delay: 48.254 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 48.982 ms
Loss rate: 1.04%

Run 10: Report of TCP Cubic — Data Link

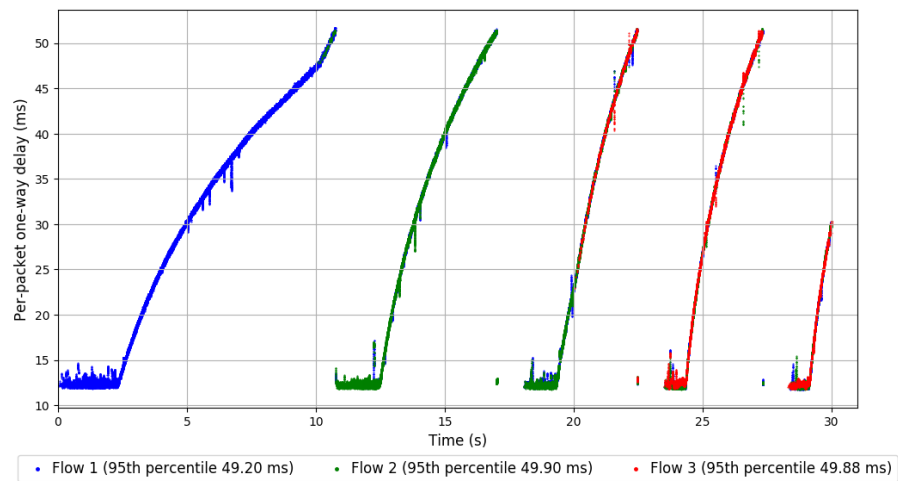
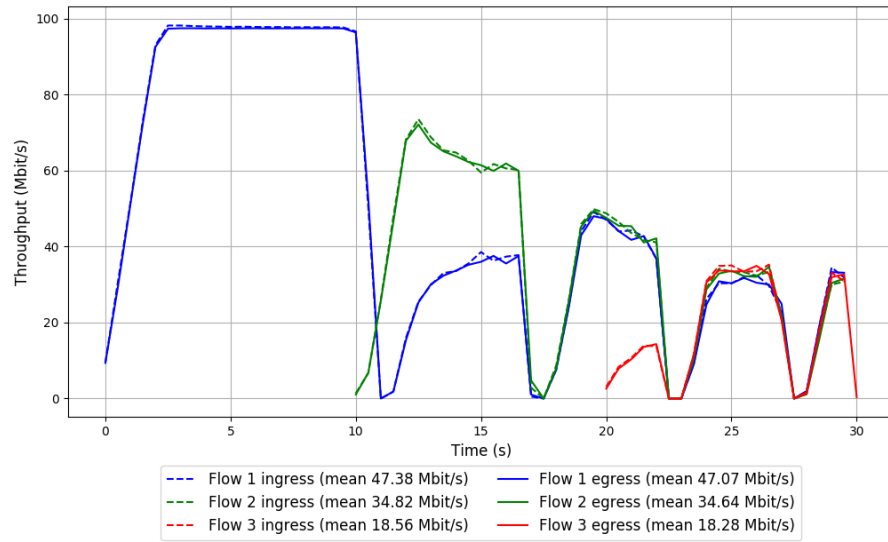


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-06 15:21:31
End at: 2018-03-06 15:22:01
Local clock offset: 4.127 ms
Remote clock offset: 4.613 ms

# Below is generated by plot.py at 2018-03-06 19:28:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.14 Mbit/s
95th percentile per-packet one-way delay: 49.563 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 49.199 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 49.901 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 49.885 ms
Loss rate: 1.46%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-03-06 15:42:54

End at: 2018-03-06 15:43:24

Local clock offset: 4.502 ms

Remote clock offset: 7.884 ms

Below is generated by plot.py at 2018-03-06 19:28:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.92 Mbit/s

95th percentile per-packet one-way delay: 48.641 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 47.07 Mbit/s

95th percentile per-packet one-way delay: 48.528 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 49.139 ms

Loss rate: 1.03%

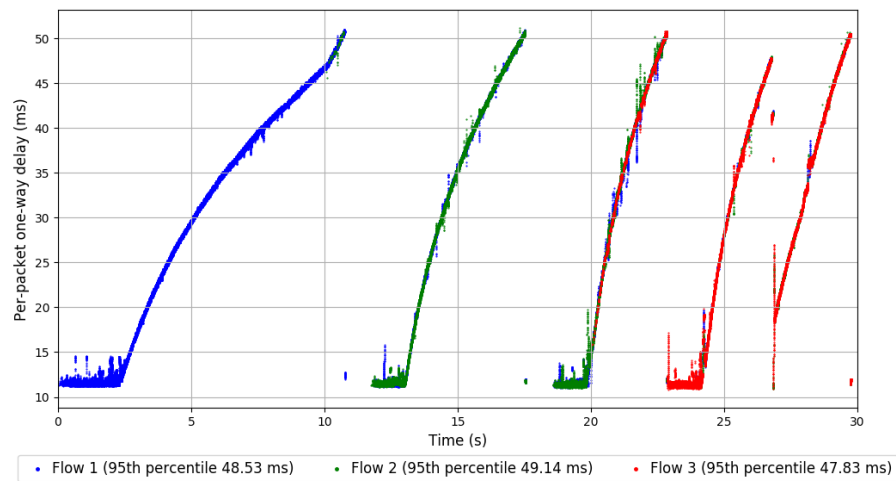
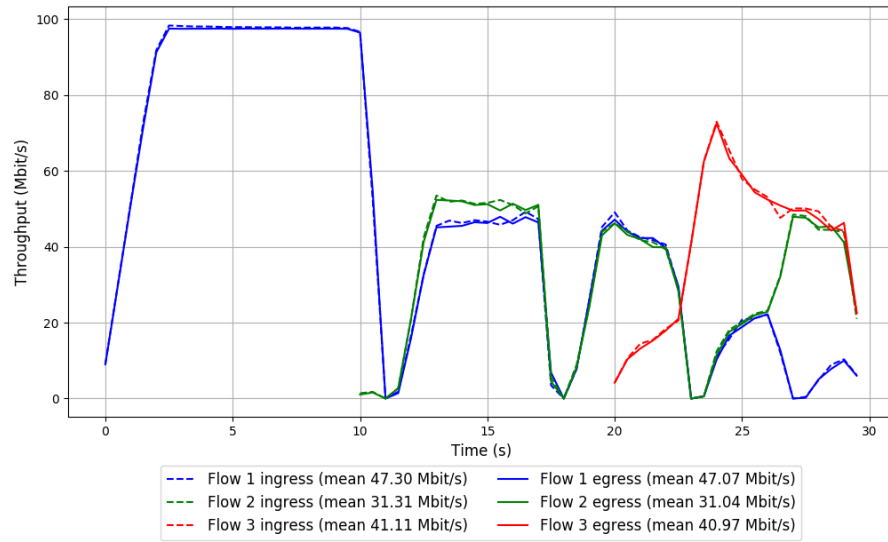
-- Flow 3:

Average throughput: 40.97 Mbit/s

95th percentile per-packet one-way delay: 47.833 ms

Loss rate: 0.37%

Run 2: Report of LEDBAT — Data Link

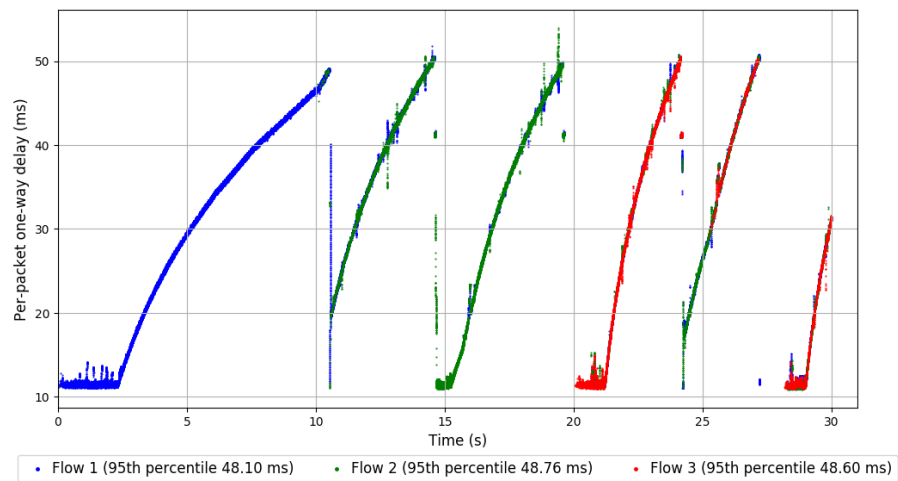
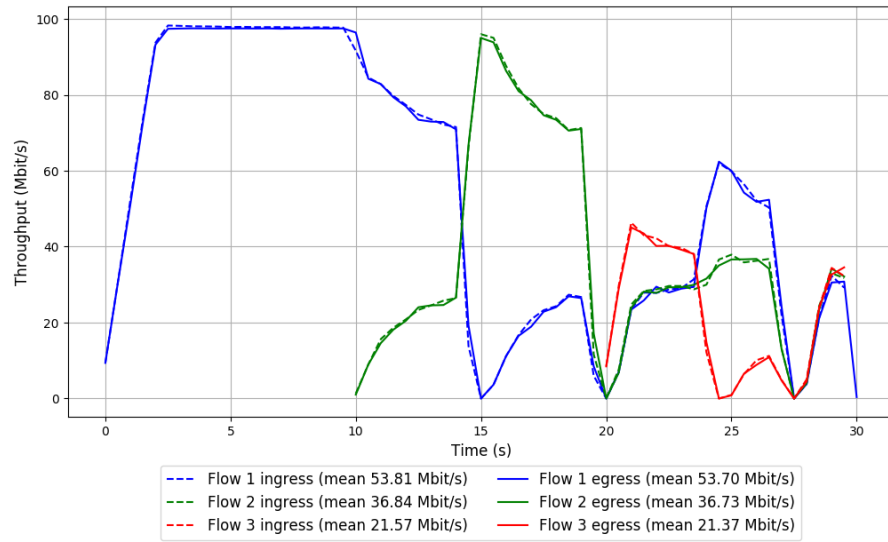


Run 3: Statistics of LEDBAT

Start at: 2018-03-06 16:04:07
End at: 2018-03-06 16:04:37
Local clock offset: 3.971 ms
Remote clock offset: 17.572 ms

Below is generated by plot.py at 2018-03-06 19:28:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 48.336 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 53.70 Mbit/s
95th percentile per-packet one-way delay: 48.101 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 48.764 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 21.37 Mbit/s
95th percentile per-packet one-way delay: 48.603 ms
Loss rate: 0.72%

Run 3: Report of LEDBAT — Data Link

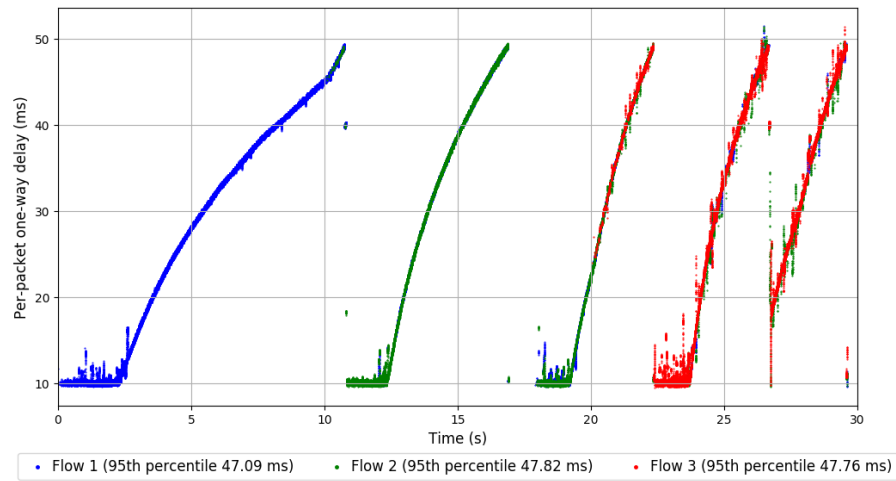
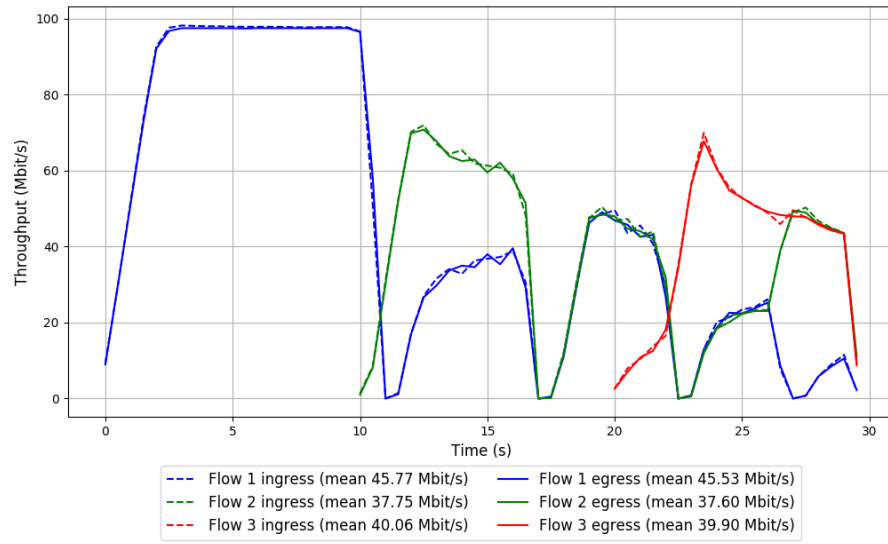


Run 4: Statistics of LEDBAT

Start at: 2018-03-06 16:25:44
End at: 2018-03-06 16:26:14
Local clock offset: 5.496 ms
Remote clock offset: 22.247 ms

Below is generated by plot.py at 2018-03-06 19:28:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 47.500 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 45.53 Mbit/s
95th percentile per-packet one-way delay: 47.094 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 47.818 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 47.763 ms
Loss rate: 0.52%

Run 4: Report of LEDBAT — Data Link

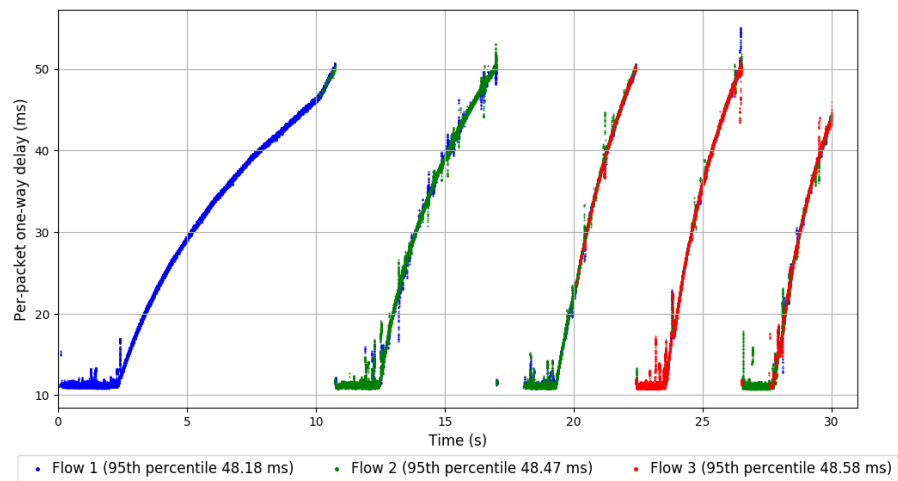
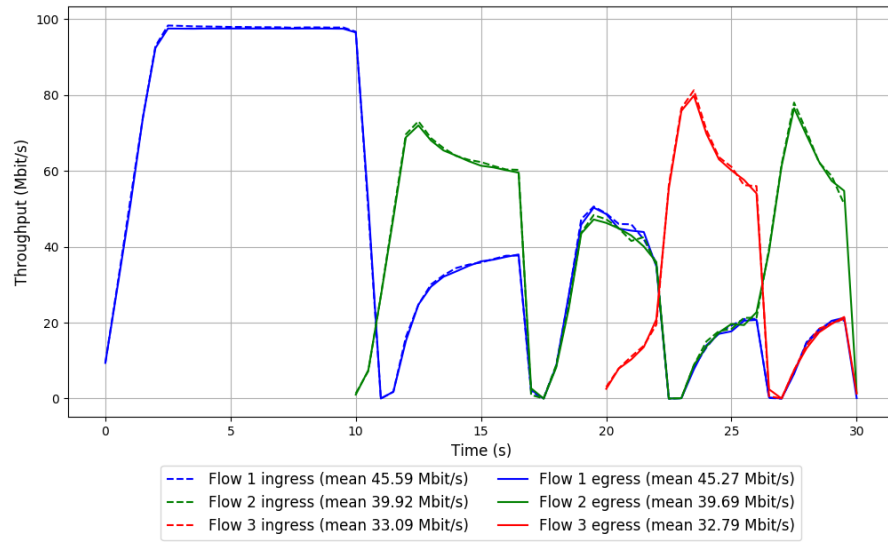


Run 5: Statistics of LEDBAT

Start at: 2018-03-06 16:46:55
End at: 2018-03-06 16:47:25
Local clock offset: 3.412 ms
Remote clock offset: 25.901 ms

Below is generated by plot.py at 2018-03-06 19:29:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.54 Mbit/s
95th percentile per-packet one-way delay: 48.383 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 45.27 Mbit/s
95th percentile per-packet one-way delay: 48.182 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 48.473 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 48.579 ms
Loss rate: 0.70%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-06 17:08:02

End at: 2018-03-06 17:08:32

Local clock offset: 3.294 ms

Remote clock offset: -2.41 ms

Below is generated by plot.py at 2018-03-06 19:29:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.84 Mbit/s

95th percentile per-packet one-way delay: 47.868 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 53.33 Mbit/s

95th percentile per-packet one-way delay: 47.243 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 26.74 Mbit/s

95th percentile per-packet one-way delay: 48.527 ms

Loss rate: 1.22%

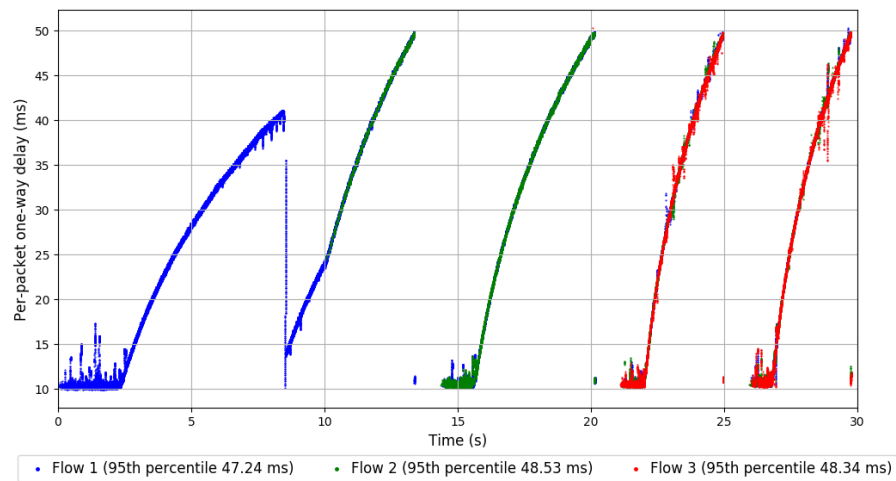
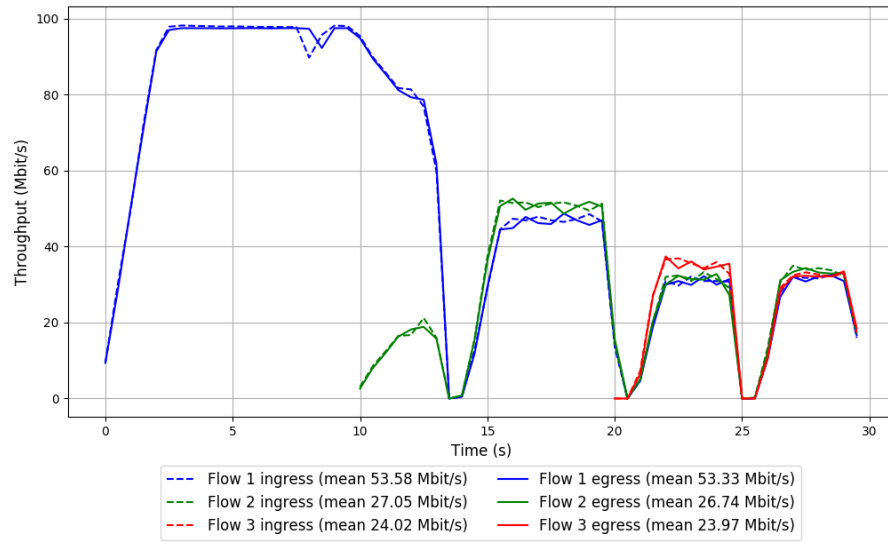
-- Flow 3:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 48.337 ms

Loss rate: 0.61%

Run 6: Report of LEDBAT — Data Link

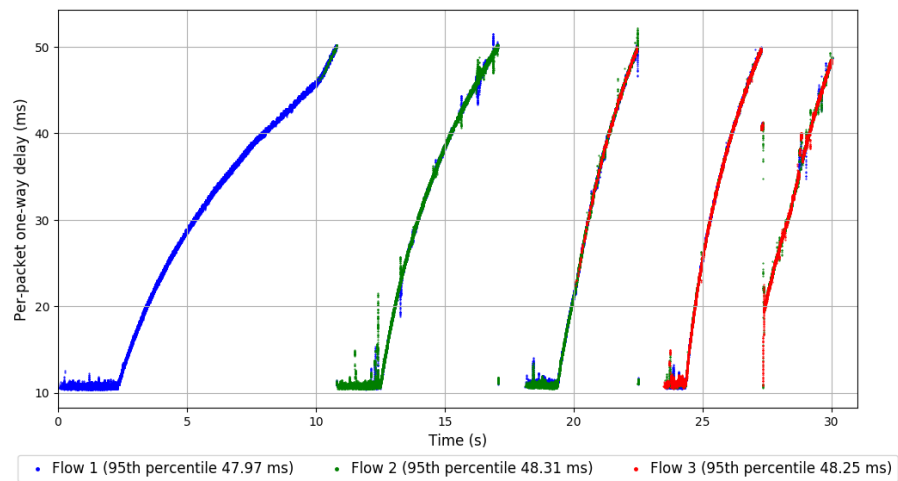
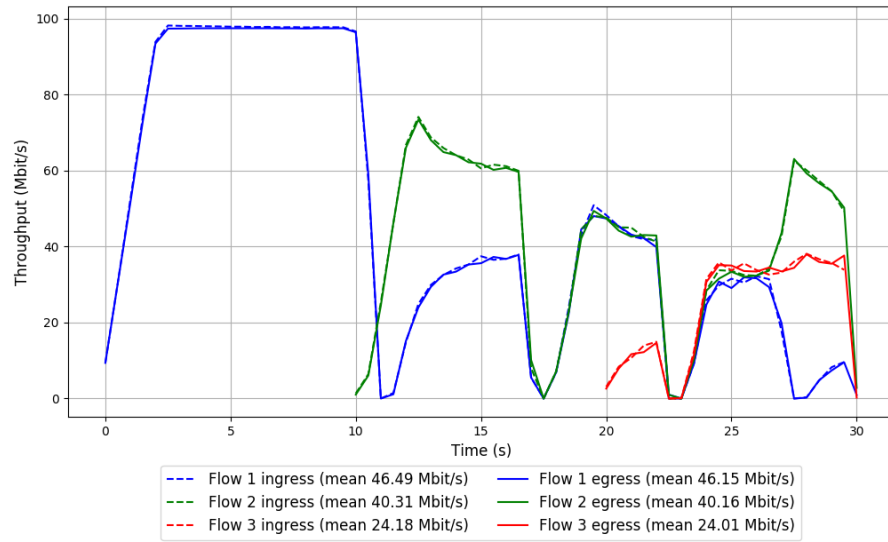


Run 7: Statistics of LEDBAT

Start at: 2018-03-06 17:29:24
End at: 2018-03-06 17:29:54
Local clock offset: 3.614 ms
Remote clock offset: -11.482 ms

Below is generated by plot.py at 2018-03-06 19:29:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 48.108 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 47.969 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 48.308 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 48.254 ms
Loss rate: 0.44%

Run 7: Report of LEDBAT — Data Link

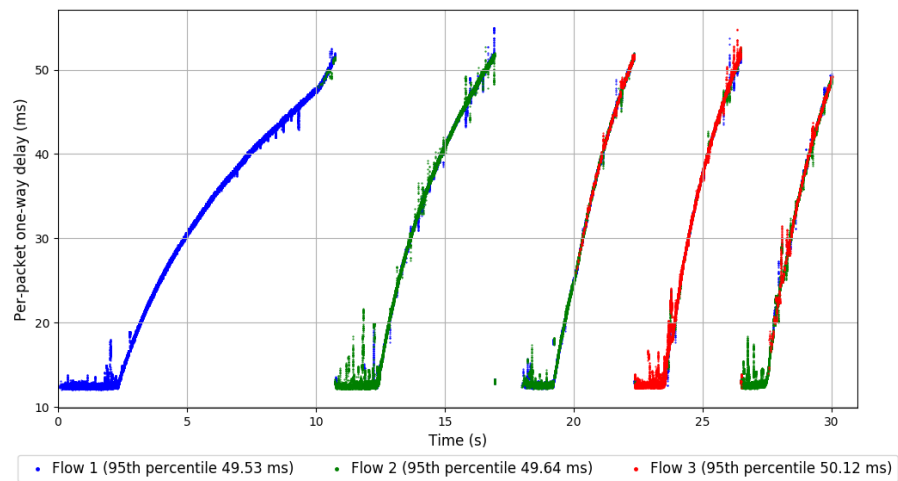
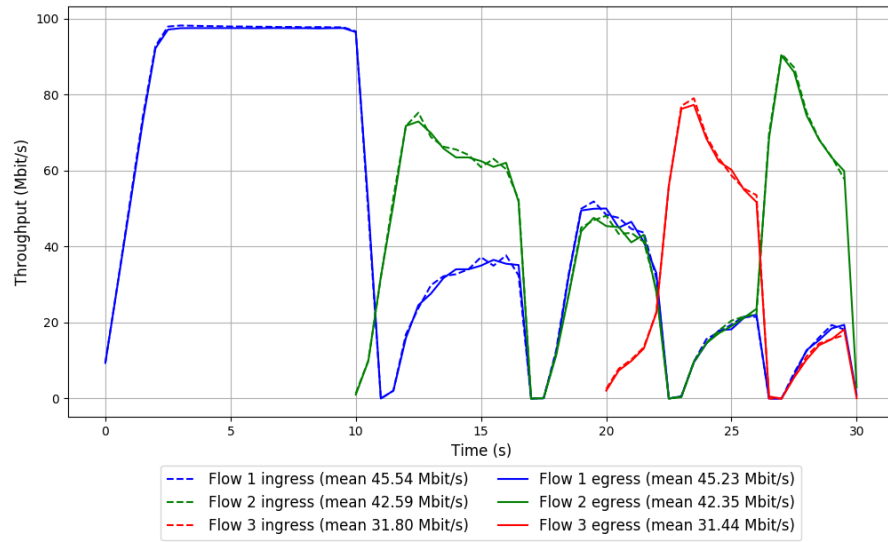


Run 8: Statistics of LEDBAT

Start at: 2018-03-06 17:50:40
End at: 2018-03-06 17:51:10
Local clock offset: 3.148 ms
Remote clock offset: -17.737 ms

Below is generated by plot.py at 2018-03-06 19:29:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 49.618 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 49.533 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 42.35 Mbit/s
95th percentile per-packet one-way delay: 49.636 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 50.117 ms
Loss rate: 0.90%

Run 8: Report of LEDBAT — Data Link

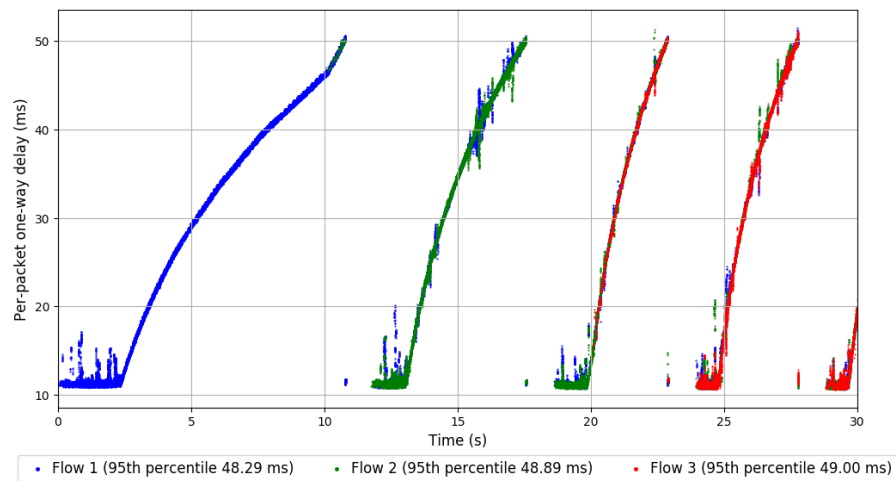
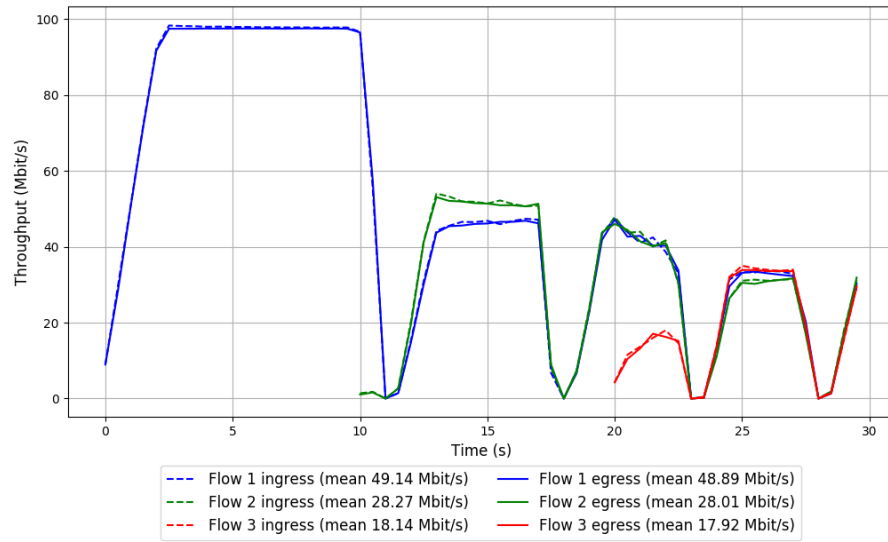


Run 9: Statistics of LEDBAT

Start at: 2018-03-06 18:12:09
End at: 2018-03-06 18:12:39
Local clock offset: 3.995 ms
Remote clock offset: -4.883 ms

Below is generated by plot.py at 2018-03-06 19:29:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 48.562 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 48.287 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 48.893 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 17.92 Mbit/s
95th percentile per-packet one-way delay: 49.001 ms
Loss rate: 1.15%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-03-06 18:33:25

End at: 2018-03-06 18:33:55

Local clock offset: 4.643 ms

Remote clock offset: 1.111 ms

Below is generated by plot.py at 2018-03-06 19:29:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.97 Mbit/s

95th percentile per-packet one-way delay: 49.138 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 59.39 Mbit/s

95th percentile per-packet one-way delay: 48.906 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 27.29 Mbit/s

95th percentile per-packet one-way delay: 49.151 ms

Loss rate: 0.83%

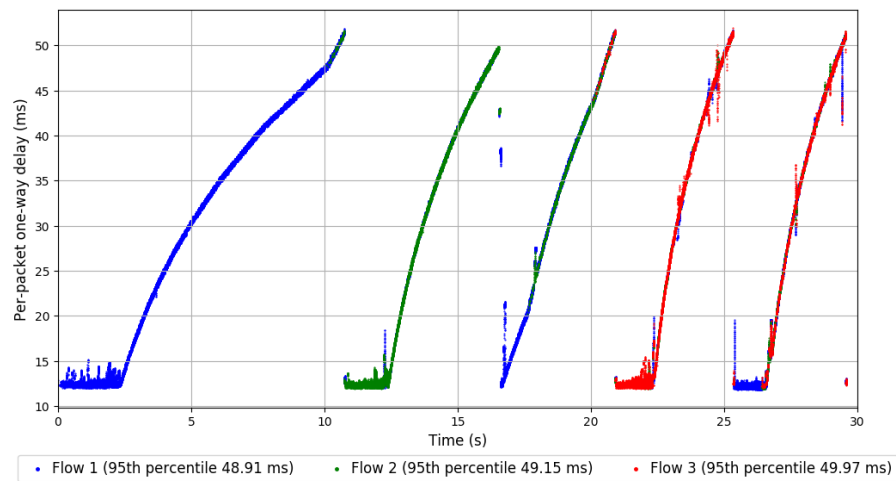
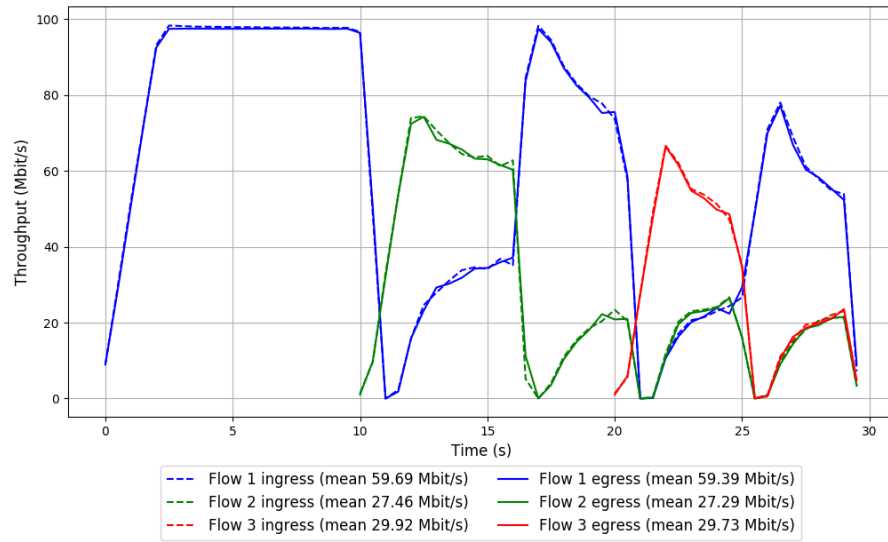
-- Flow 3:

Average throughput: 29.73 Mbit/s

95th percentile per-packet one-way delay: 49.972 ms

Loss rate: 0.95%

Run 10: Report of LEDBAT — Data Link

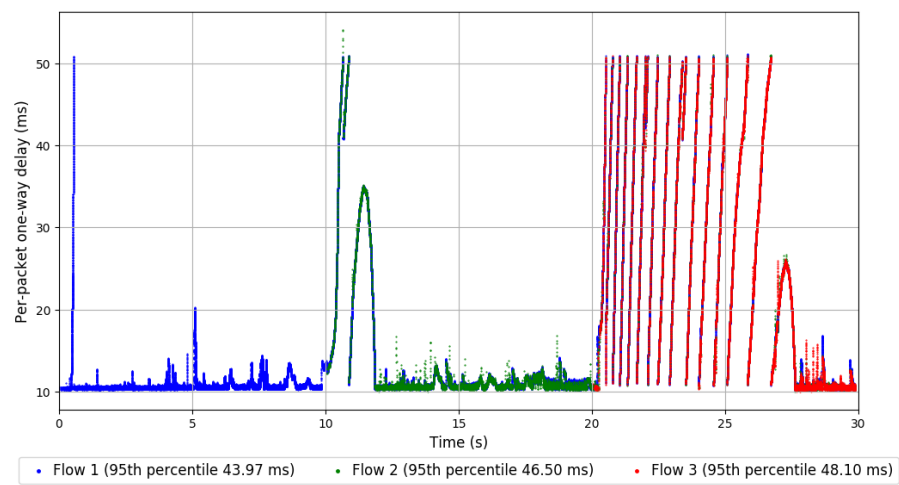
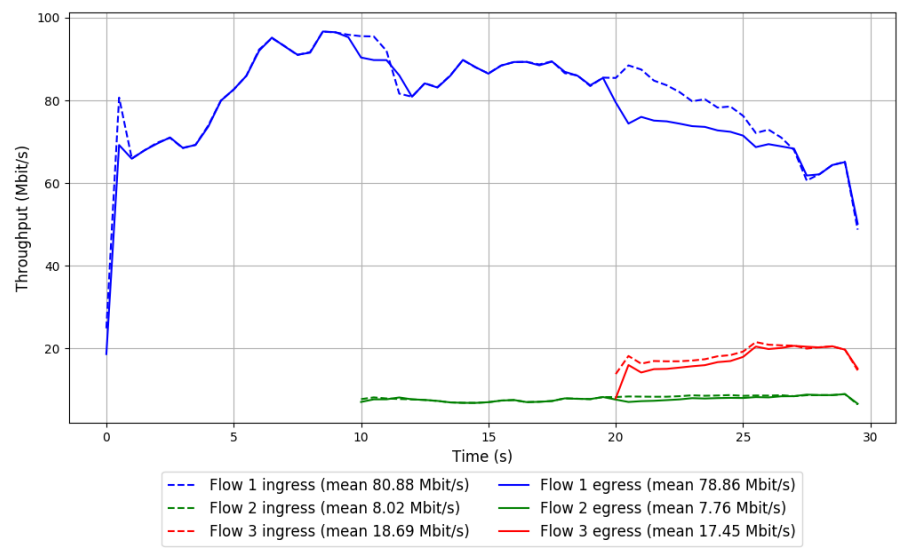


```
Run 1: Statistics of PCC

Start at: 2018-03-06 15:36:49
End at: 2018-03-06 15:37:19
Local clock offset: 5.795 ms
Remote clock offset: 7.64 ms

# Below is generated by plot.py at 2018-03-06 19:30:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 44.817 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 43.973 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 46.501 ms
Loss rate: 3.31%
-- Flow 3:
Average throughput: 17.45 Mbit/s
95th percentile per-packet one-way delay: 48.099 ms
Loss rate: 6.63%
```

Run 1: Report of PCC — Data Link

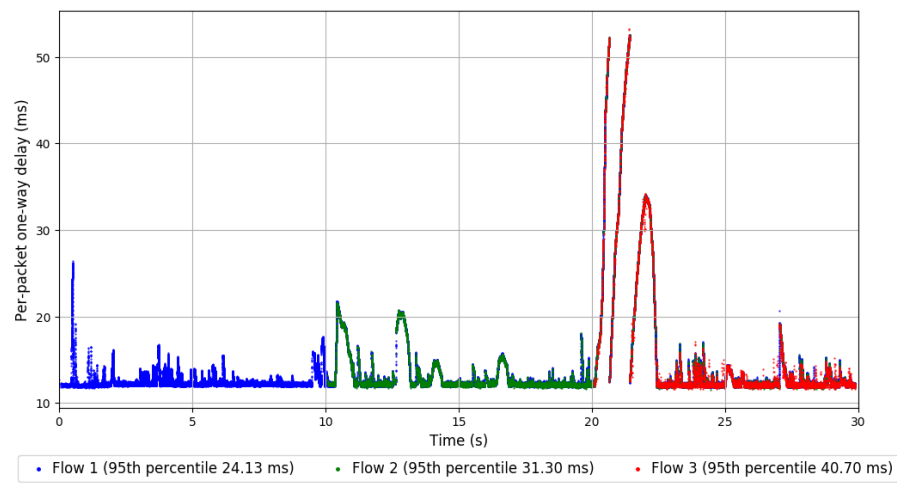
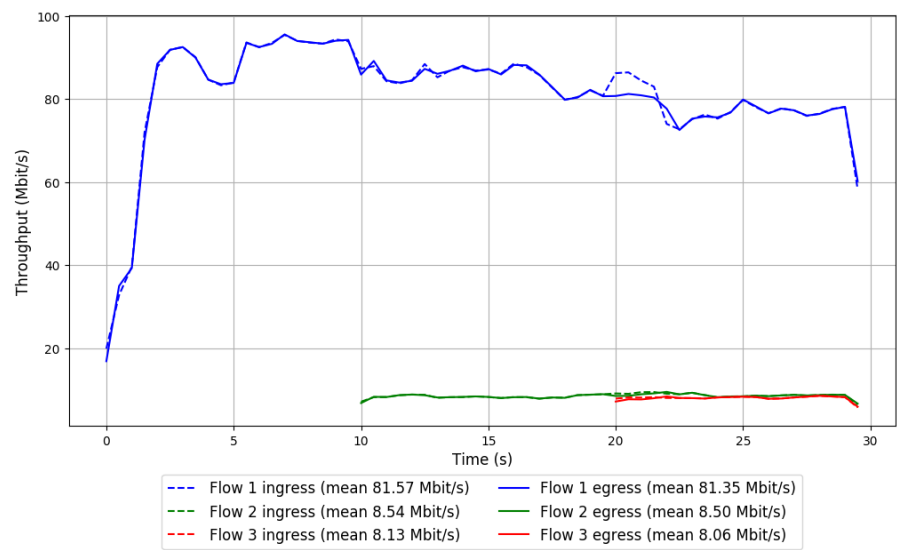


Run 2: Statistics of PCC

Start at: 2018-03-06 15:58:12
End at: 2018-03-06 15:58:42
Local clock offset: 4.02 ms
Remote clock offset: 16.456 ms

Below is generated by plot.py at 2018-03-06 19:30:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 26.477 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 24.128 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 31.296 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 40.705 ms
Loss rate: 0.79%

Run 2: Report of PCC — Data Link

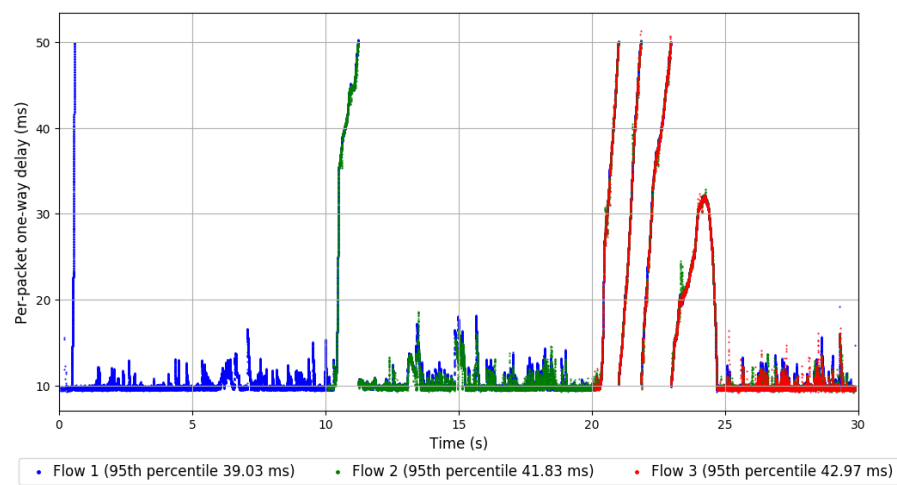
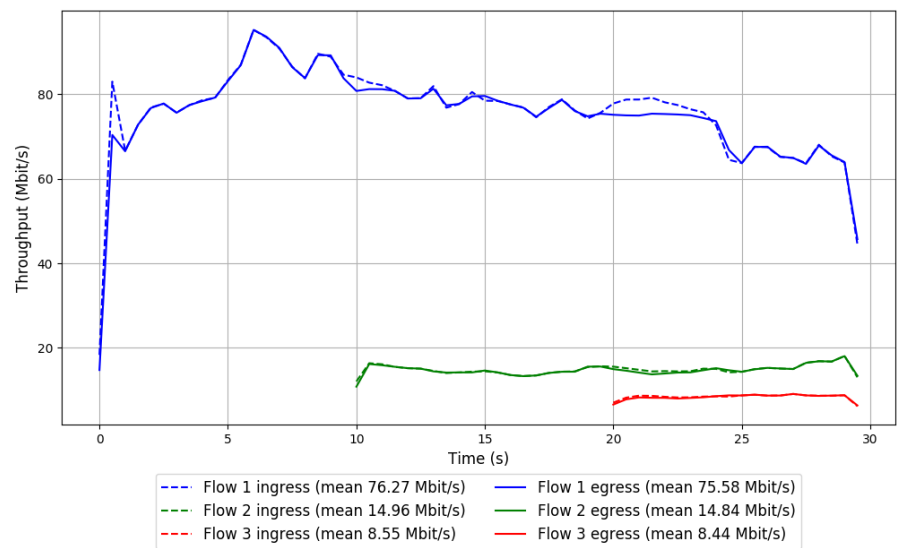


Run 3: Statistics of PCC

Start at: 2018-03-06 16:19:40
End at: 2018-03-06 16:20:10
Local clock offset: 4.663 ms
Remote clock offset: 20.203 ms

Below is generated by plot.py at 2018-03-06 19:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 39.619 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 75.58 Mbit/s
95th percentile per-packet one-way delay: 39.027 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 41.834 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 42.971 ms
Loss rate: 1.21%

Run 3: Report of PCC — Data Link

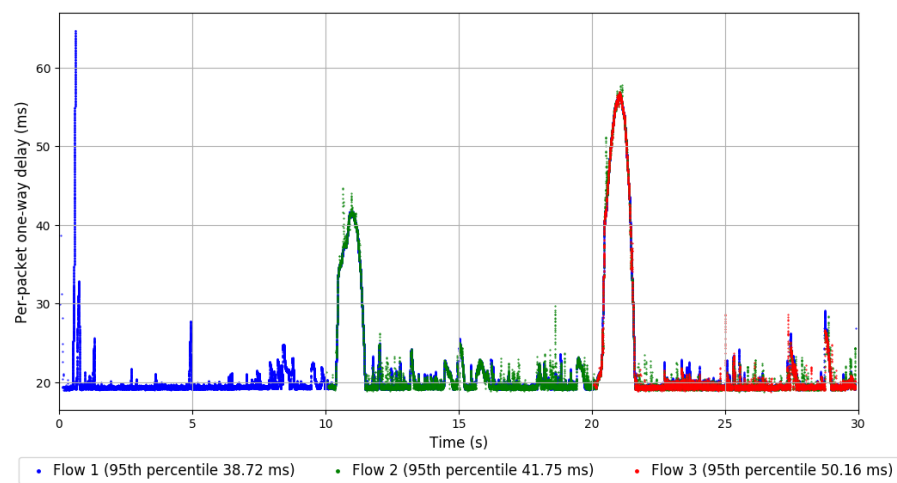
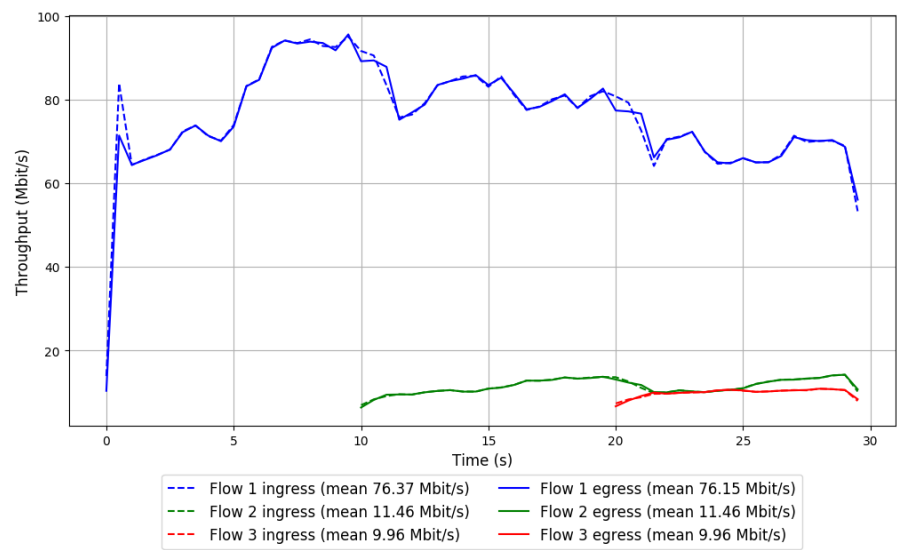


Run 4: Statistics of PCC

Start at: 2018-03-06 16:41:00
End at: 2018-03-06 16:41:30
Local clock offset: -3.375 ms
Remote clock offset: 26.003 ms

Below is generated by plot.py at 2018-03-06 19:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 39.595 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 76.15 Mbit/s
95th percentile per-packet one-way delay: 38.723 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 41.746 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 50.163 ms
Loss rate: 0.00%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-03-06 17:02:06

End at: 2018-03-06 17:02:36

Local clock offset: 2.749 ms

Remote clock offset: 4.528 ms

Below is generated by plot.py at 2018-03-06 19:31:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 35.417 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 75.45 Mbit/s

95th percentile per-packet one-way delay: 34.790 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 15.19 Mbit/s

95th percentile per-packet one-way delay: 36.963 ms

Loss rate: 0.00%

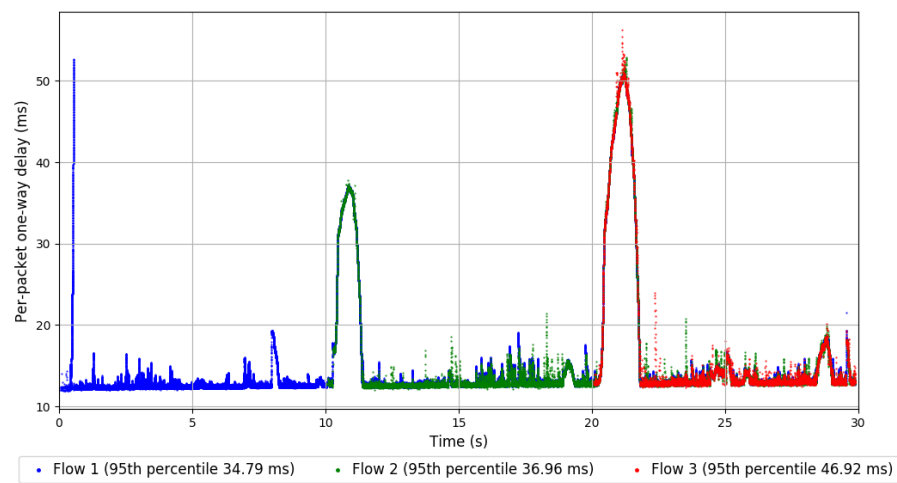
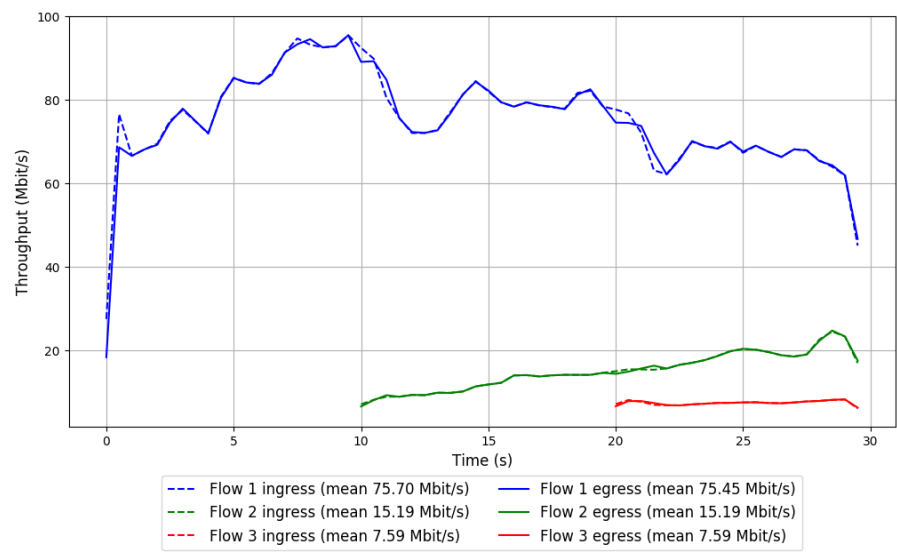
-- Flow 3:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 46.923 ms

Loss rate: 0.00%

Run 5: Report of PCC — Data Link

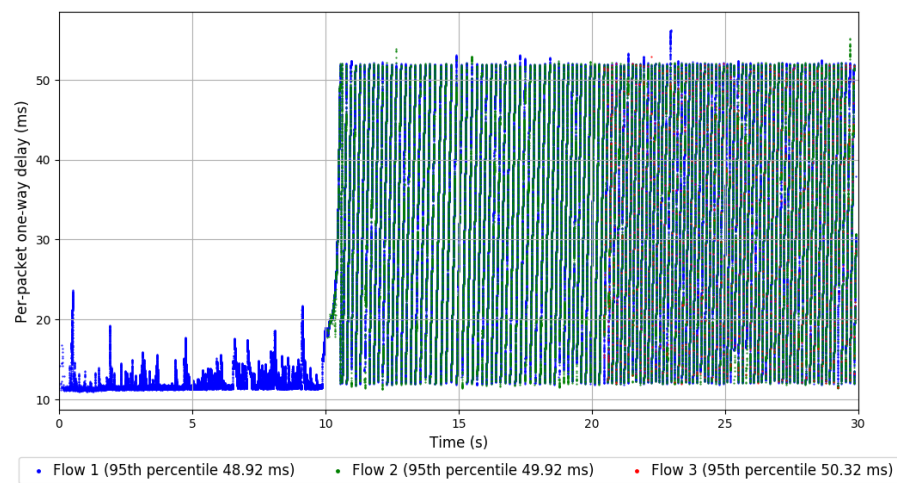
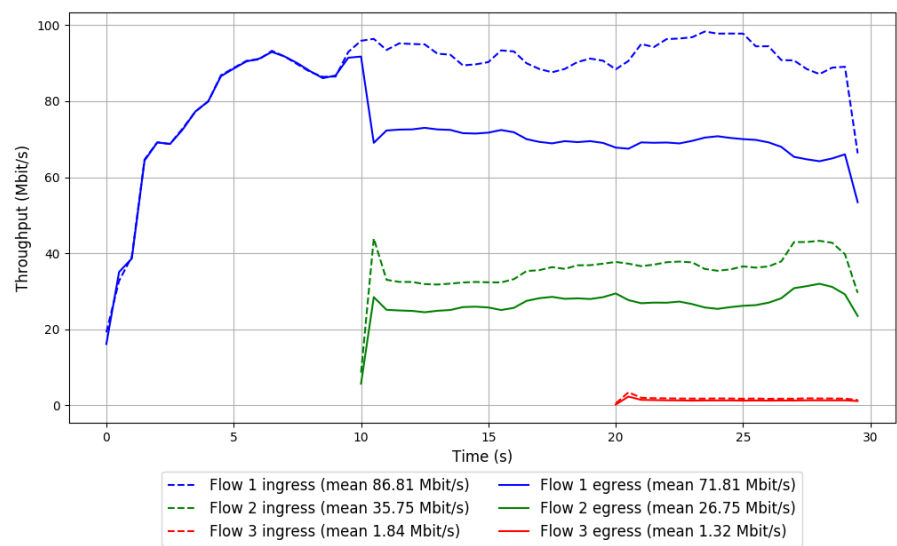


Run 6: Statistics of PCC

Start at: 2018-03-06 17:23:21
End at: 2018-03-06 17:23:51
Local clock offset: 2.961 ms
Remote clock offset: -9.138 ms

Below is generated by plot.py at 2018-03-06 19:31:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 49.212 ms
Loss rate: 18.96%
-- Flow 1:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 48.920 ms
Loss rate: 17.20%
-- Flow 2:
Average throughput: 26.75 Mbit/s
95th percentile per-packet one-way delay: 49.918 ms
Loss rate: 25.12%
-- Flow 3:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 50.317 ms
Loss rate: 28.06%

Run 6: Report of PCC — Data Link

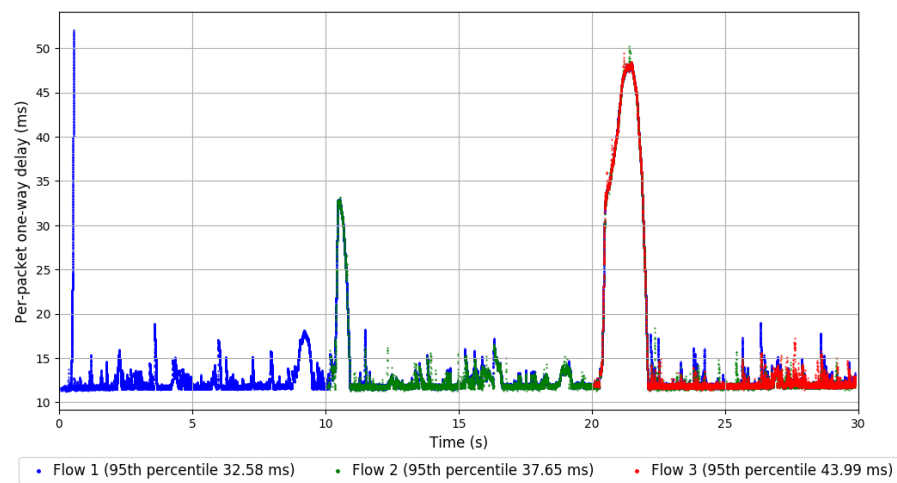
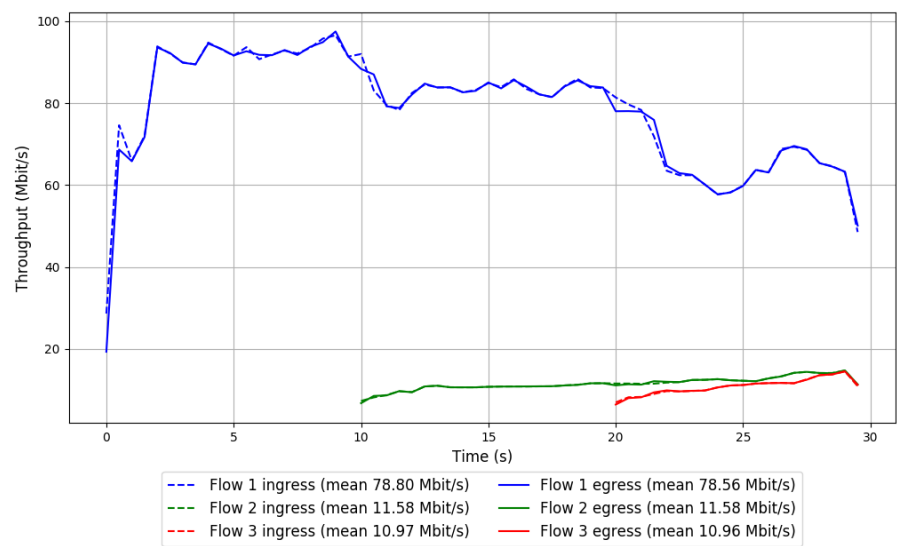


Run 7: Statistics of PCC

Start at: 2018-03-06 17:44:44
End at: 2018-03-06 17:45:14
Local clock offset: 3.448 ms
Remote clock offset: -15.981 ms

Below is generated by plot.py at 2018-03-06 19:31:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 33.654 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 32.583 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 37.649 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 43.993 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

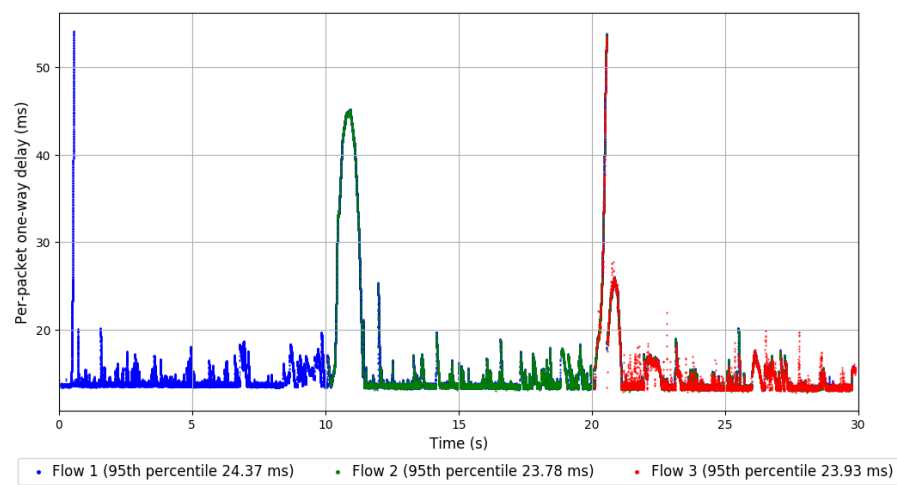
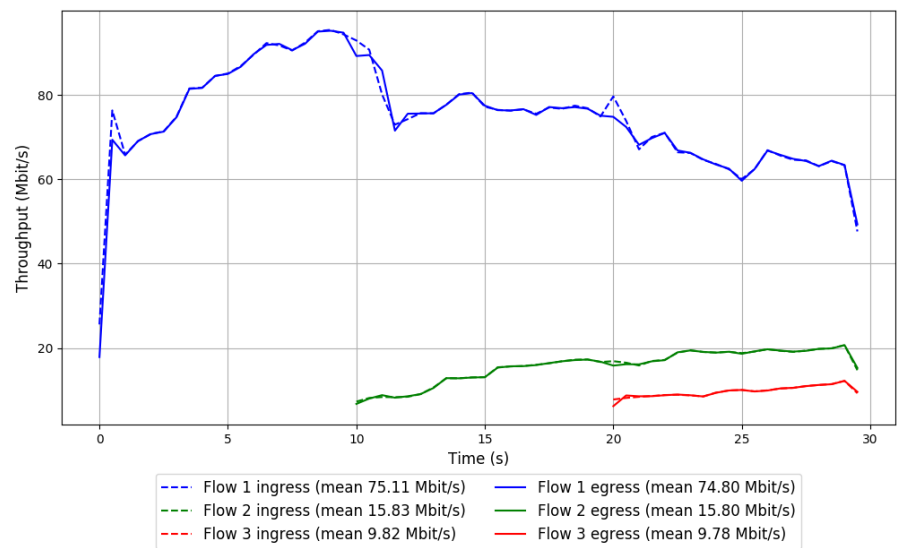


Run 8: Statistics of PCC

Start at: 2018-03-06 18:06:04
End at: 2018-03-06 18:06:34
Local clock offset: 1.4 ms
Remote clock offset: -9.614 ms

Below is generated by plot.py at 2018-03-06 19:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 24.260 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 74.80 Mbit/s
95th percentile per-packet one-way delay: 24.368 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 23.781 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 23.930 ms
Loss rate: 0.33%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-06 18:27:29

End at: 2018-03-06 18:27:59

Local clock offset: 4.411 ms

Remote clock offset: 1.494 ms

Below is generated by plot.py at 2018-03-06 19:31:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.28 Mbit/s

95th percentile per-packet one-way delay: 20.200 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 83.41 Mbit/s

95th percentile per-packet one-way delay: 20.188 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 4.96 Mbit/s

95th percentile per-packet one-way delay: 20.473 ms

Loss rate: 0.00%

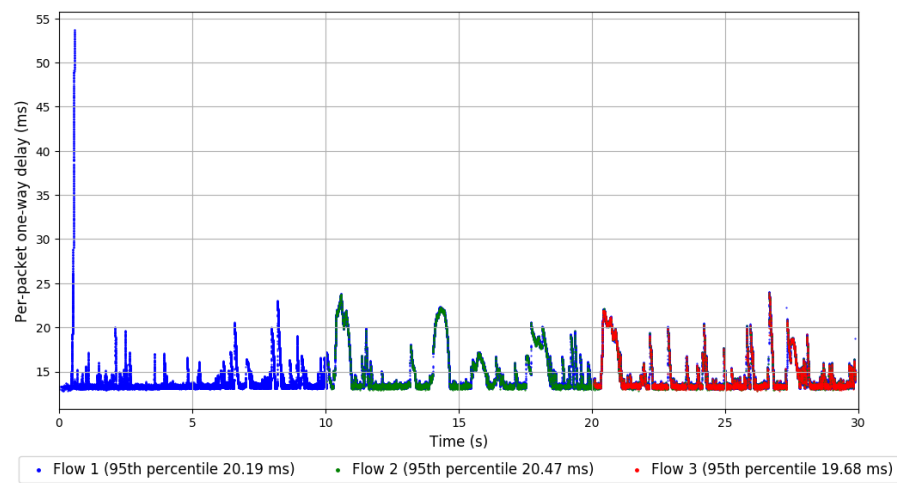
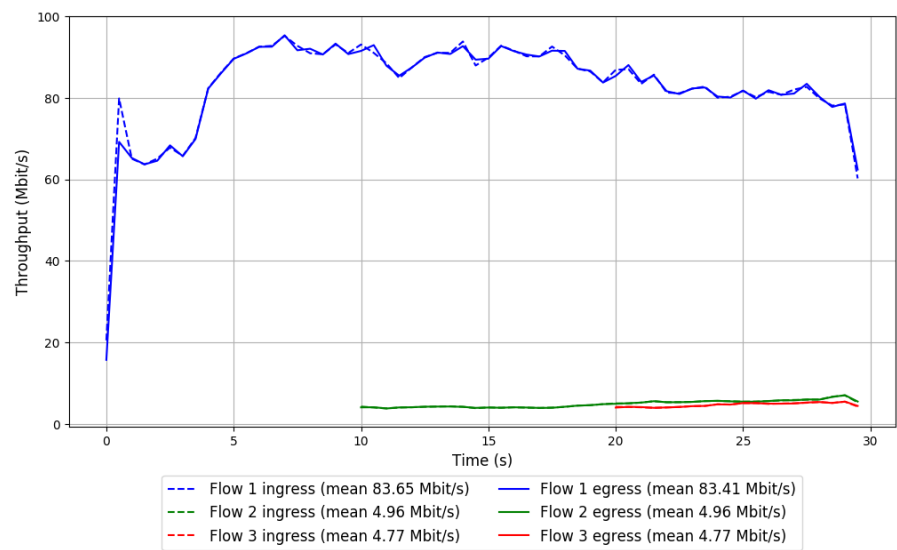
-- Flow 3:

Average throughput: 4.77 Mbit/s

95th percentile per-packet one-way delay: 19.675 ms

Loss rate: 0.00%

Run 9: Report of PCC — Data Link

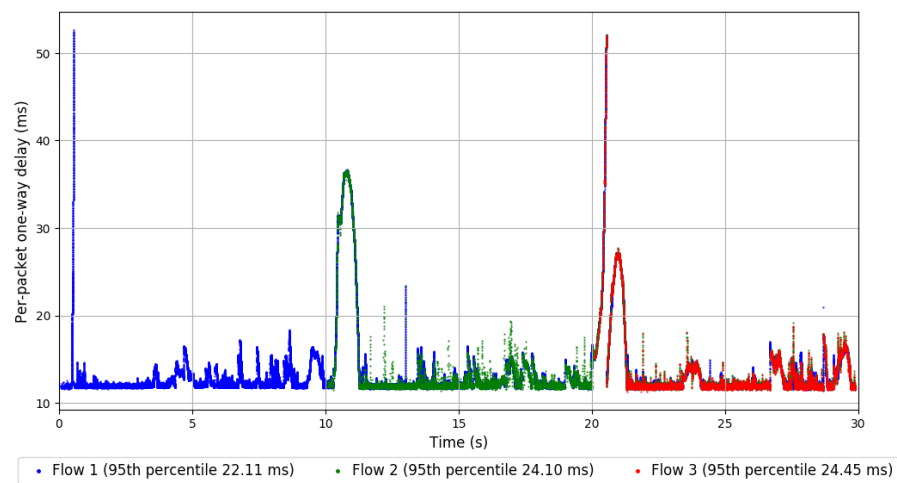
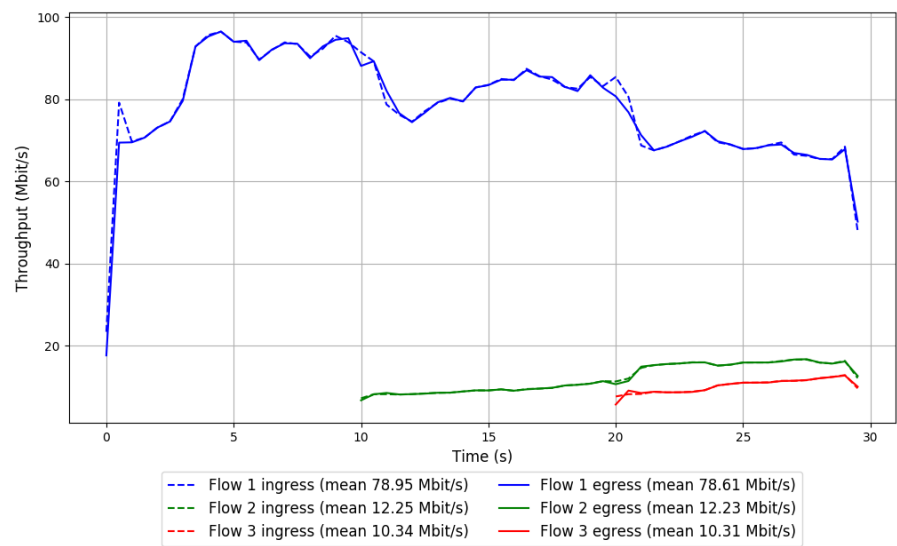


Run 10: Statistics of PCC

Start at: 2018-03-06 18:48:58
End at: 2018-03-06 18:49:28
Local clock offset: 6.723 ms
Remote clock offset: 17.599 ms

Below is generated by plot.py at 2018-03-06 19:31:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 22.716 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 22.114 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 24.101 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 24.455 ms
Loss rate: 0.32%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-03-06 15:35:39

End at: 2018-03-06 15:36:09

Local clock offset: 6.914 ms

Remote clock offset: 7.695 ms

Below is generated by plot.py at 2018-03-06 19:32:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.59 Mbit/s

95th percentile per-packet one-way delay: 47.116 ms

Loss rate: 2.12%

-- Flow 1:

Average throughput: 66.83 Mbit/s

95th percentile per-packet one-way delay: 47.148 ms

Loss rate: 2.10%

-- Flow 2:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 47.051 ms

Loss rate: 2.14%

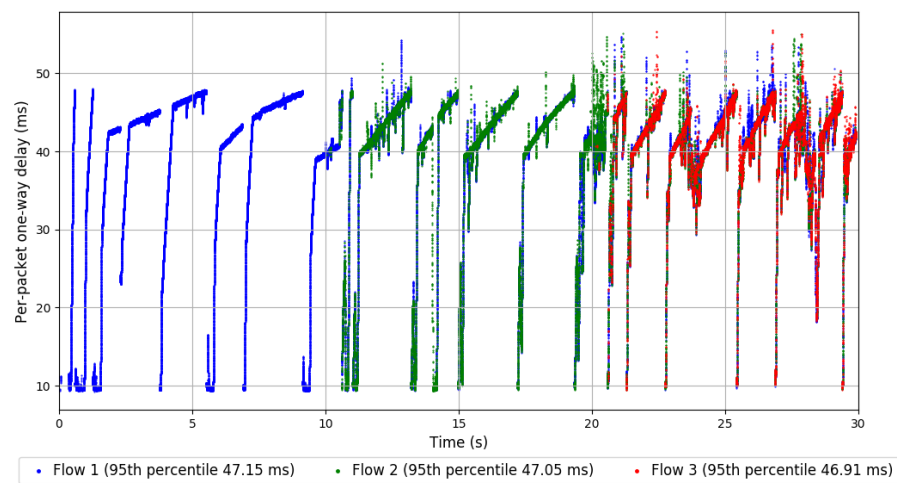
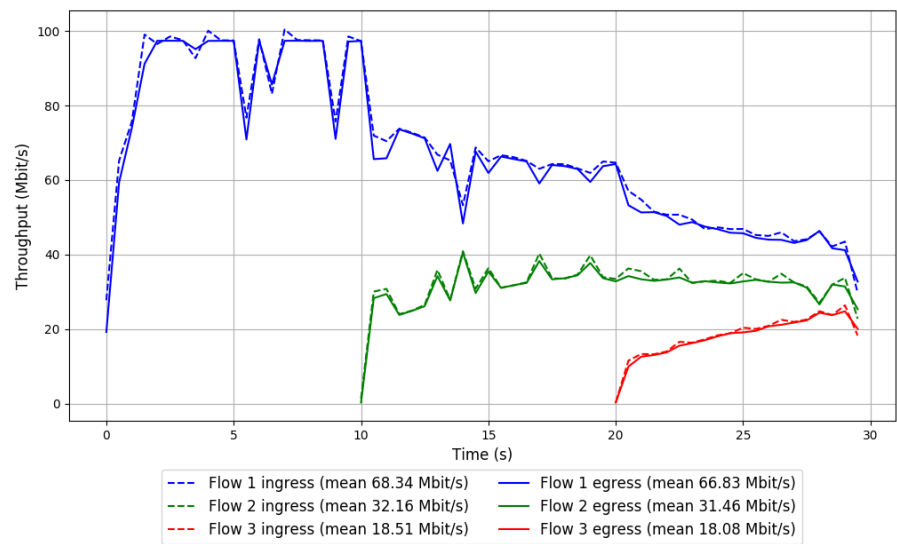
-- Flow 3:

Average throughput: 18.08 Mbit/s

95th percentile per-packet one-way delay: 46.909 ms

Loss rate: 2.30%

Run 1: Report of QUIC Cubic — Data Link

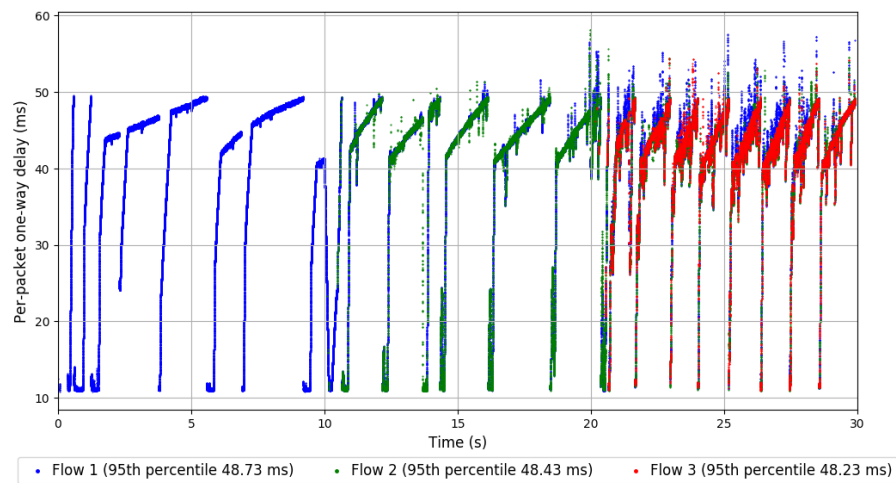
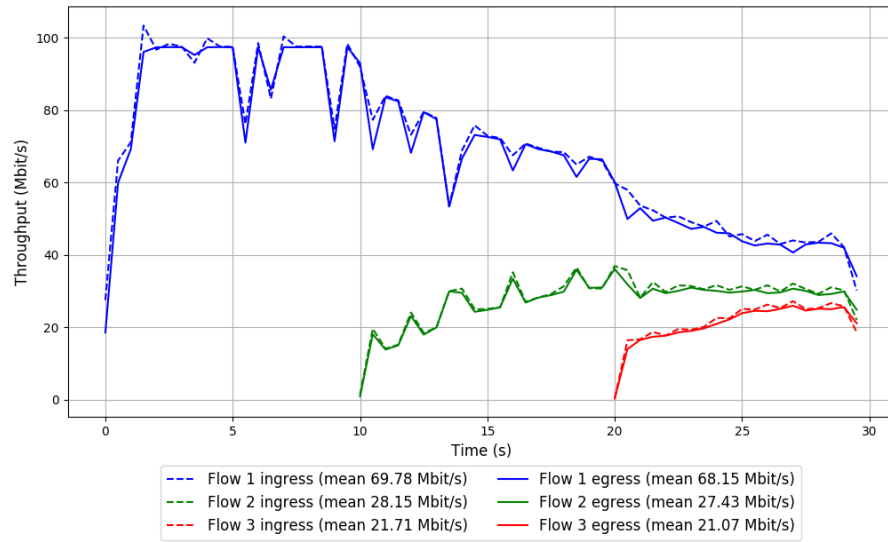


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-06 15:57:02
End at: 2018-03-06 15:57:32
Local clock offset: 5.009 ms
Remote clock offset: 16.101 ms

Below is generated by plot.py at 2018-03-06 19:32:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 48.634 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 48.726 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 48.430 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 48.225 ms
Loss rate: 2.94%

Run 2: Report of QUIC Cubic — Data Link

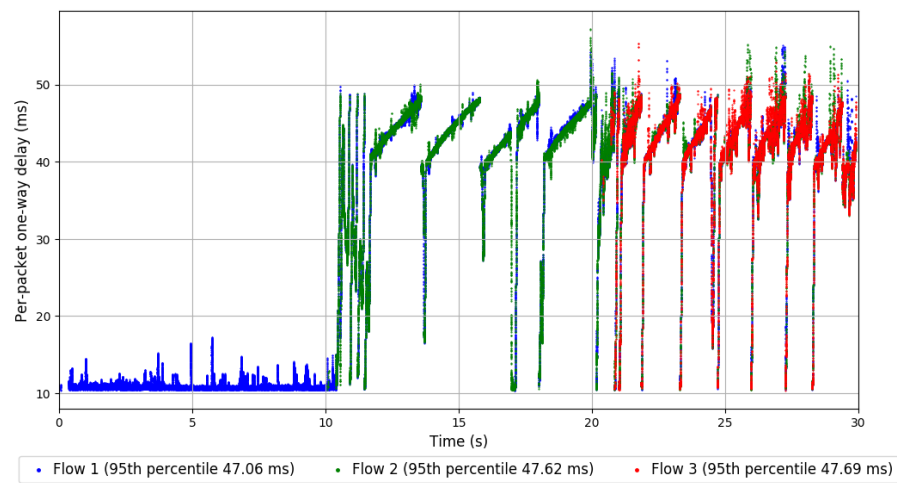
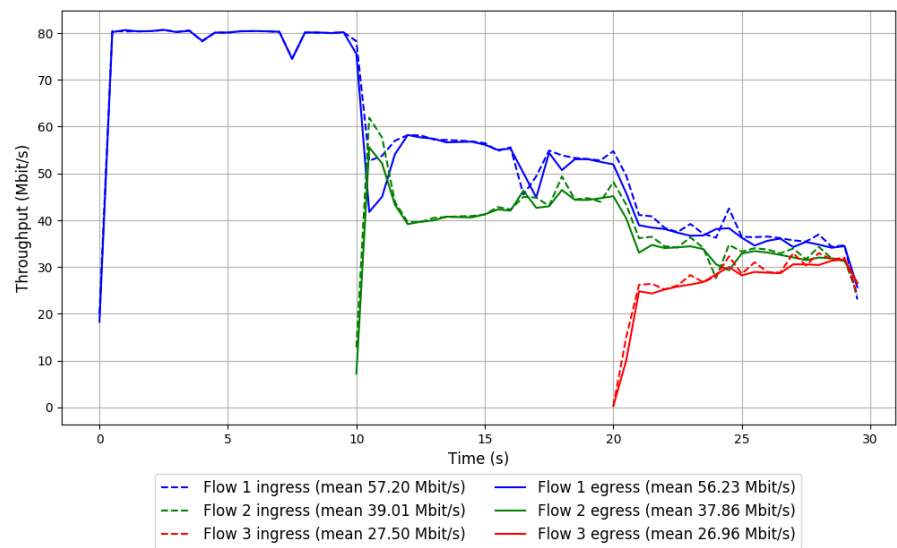


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-06 16:18:29
End at: 2018-03-06 16:18:59
Local clock offset: 4.31 ms
Remote clock offset: 20.602 ms

Below is generated by plot.py at 2018-03-06 19:32:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 47.335 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 47.056 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 47.619 ms
Loss rate: 2.81%
-- Flow 3:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 47.692 ms
Loss rate: 3.37%

Run 3: Report of QUIC Cubic — Data Link

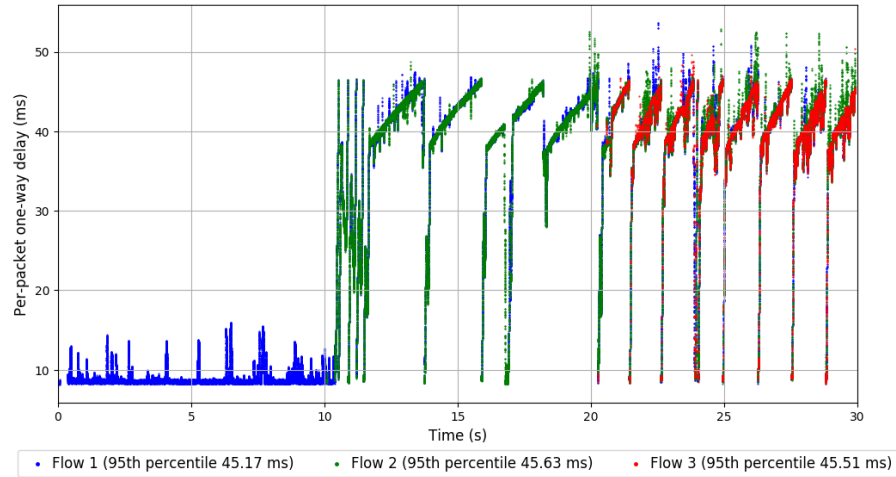
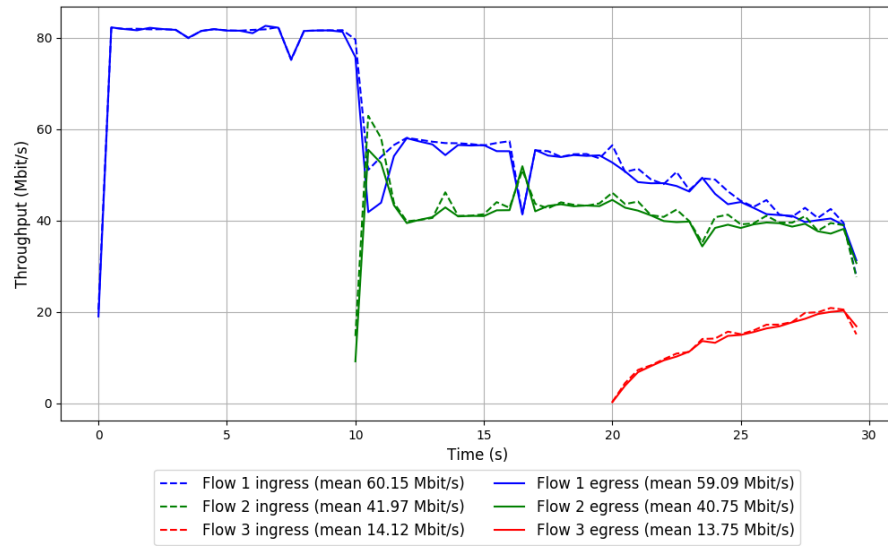


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-06 16:39:48
End at: 2018-03-06 16:40:18
Local clock offset: 3.101 ms
Remote clock offset: 21.421 ms

Below is generated by plot.py at 2018-03-06 19:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.66 Mbit/s
95th percentile per-packet one-way delay: 45.372 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 45.173 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 45.626 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 45.509 ms
Loss rate: 2.60%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-03-06 17:00:56

End at: 2018-03-06 17:01:26

Local clock offset: 1.195 ms

Remote clock offset: 5.859 ms

Below is generated by plot.py at 2018-03-06 19:33:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 50.941 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 62.45 Mbit/s

95th percentile per-packet one-way delay: 50.550 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 35.37 Mbit/s

95th percentile per-packet one-way delay: 51.183 ms

Loss rate: 2.34%

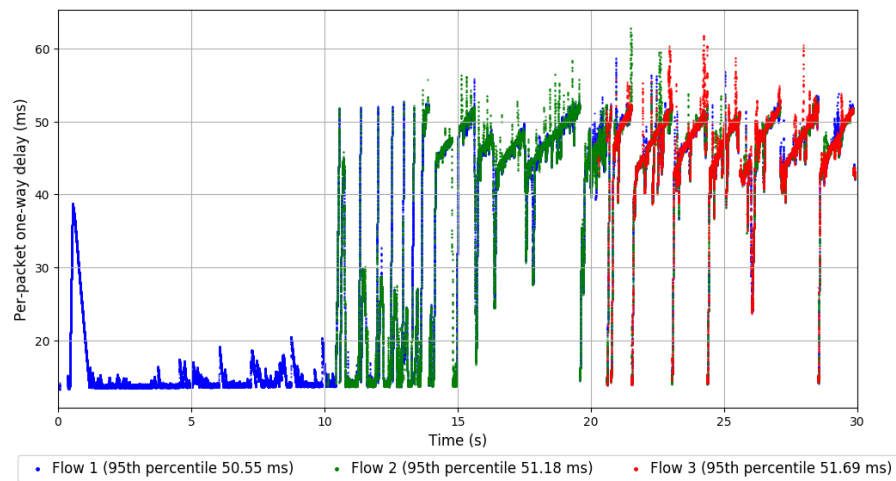
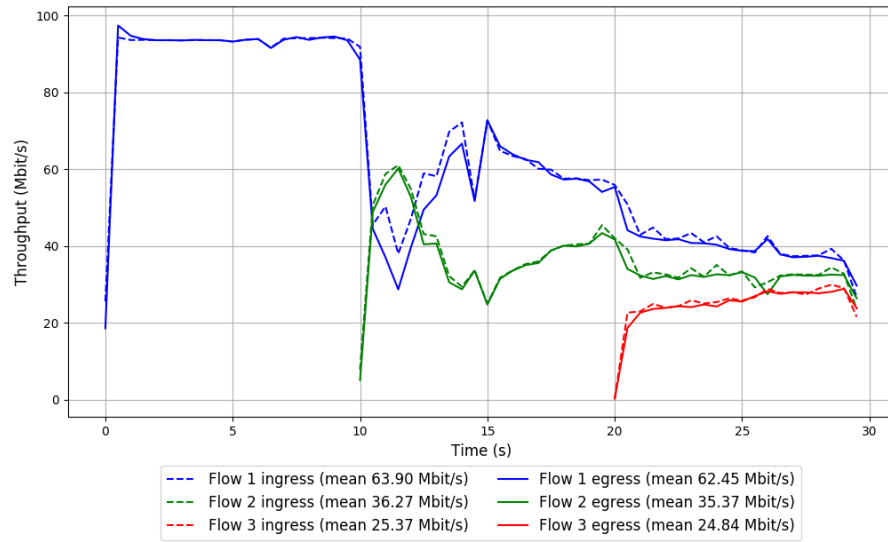
-- Flow 3:

Average throughput: 24.84 Mbit/s

95th percentile per-packet one-way delay: 51.692 ms

Loss rate: 2.14%

Run 5: Report of QUIC Cubic — Data Link

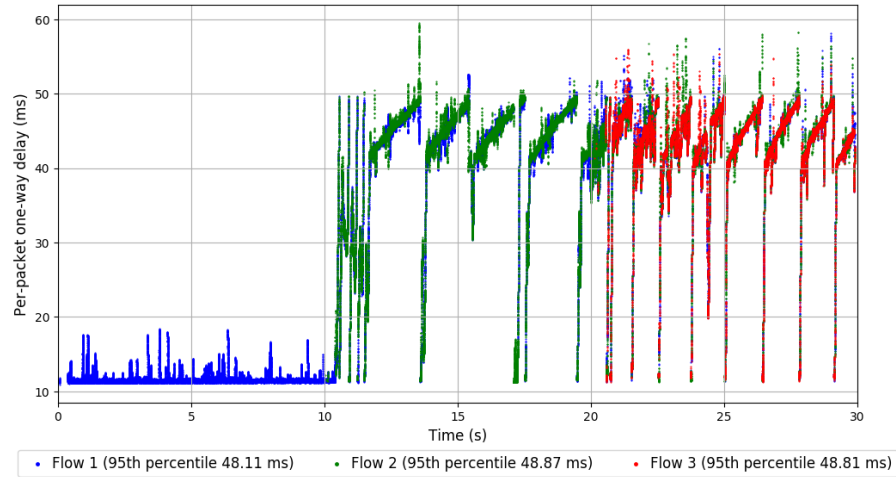
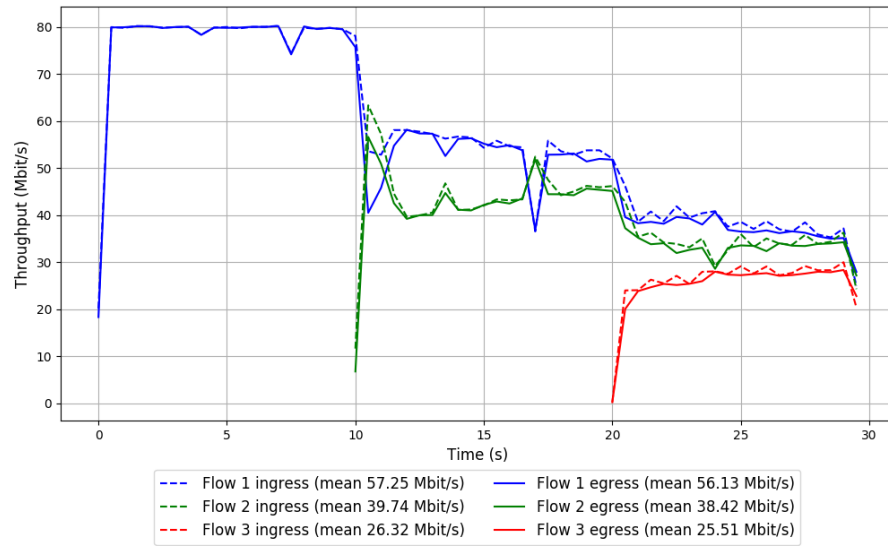


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-06 17:22:07
End at: 2018-03-06 17:22:37
Local clock offset: 4.139 ms
Remote clock offset: -7.625 ms

Below is generated by plot.py at 2018-03-06 19:33:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.98 Mbit/s
95th percentile per-packet one-way delay: 48.526 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 56.13 Mbit/s
95th percentile per-packet one-way delay: 48.110 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 48.865 ms
Loss rate: 3.18%
-- Flow 3:
Average throughput: 25.51 Mbit/s
95th percentile per-packet one-way delay: 48.806 ms
Loss rate: 3.05%

Run 6: Report of QUIC Cubic — Data Link

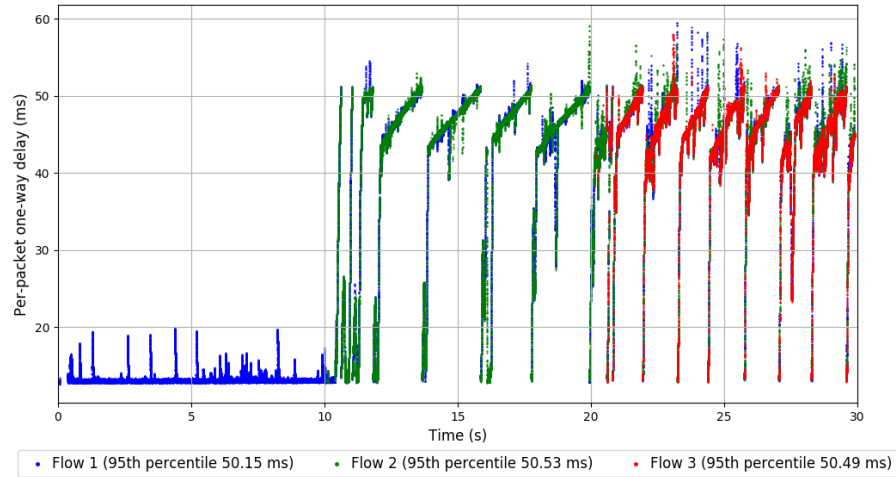
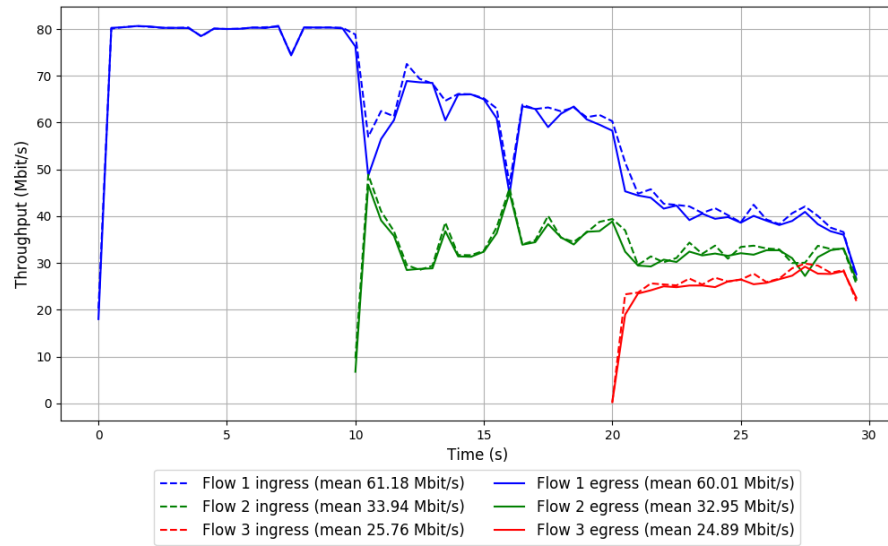


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-06 17:43:34
End at: 2018-03-06 17:44:04
Local clock offset: 2.117 ms
Remote clock offset: -15.616 ms

Below is generated by plot.py at 2018-03-06 19:33:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 50.295 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 50.153 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 50.533 ms
Loss rate: 2.76%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 50.489 ms
Loss rate: 3.34%

Run 7: Report of QUIC Cubic — Data Link

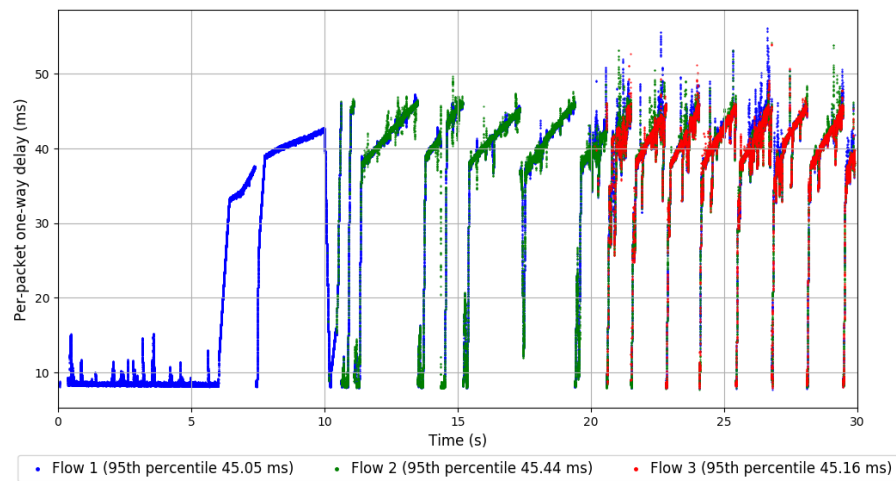
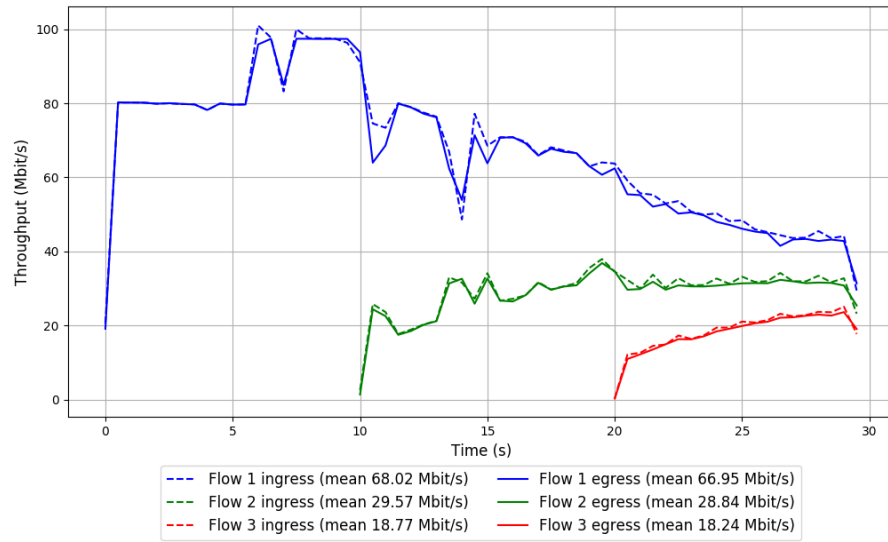


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-06 18:04:51
End at: 2018-03-06 18:05:21
Local clock offset: 6.403 ms
Remote clock offset: -11.433 ms

Below is generated by plot.py at 2018-03-06 19:33:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 45.157 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 45.055 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 28.84 Mbit/s
95th percentile per-packet one-way delay: 45.435 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 45.155 ms
Loss rate: 2.82%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-03-06 18:26:18

End at: 2018-03-06 18:26:48

Local clock offset: 4.884 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-03-06 19:34:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 48.536 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 56.53 Mbit/s

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

Loss rate: 1.91%

-- Flow 2:

Average throughput: 38.53 Mbit/s

95th percentile per-packet one-way delay: 48.739 ms

Loss rate: 3.21%

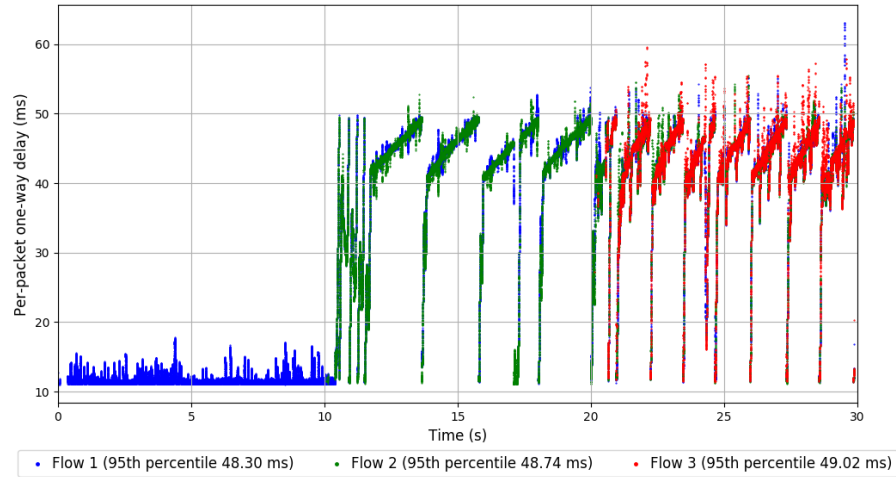
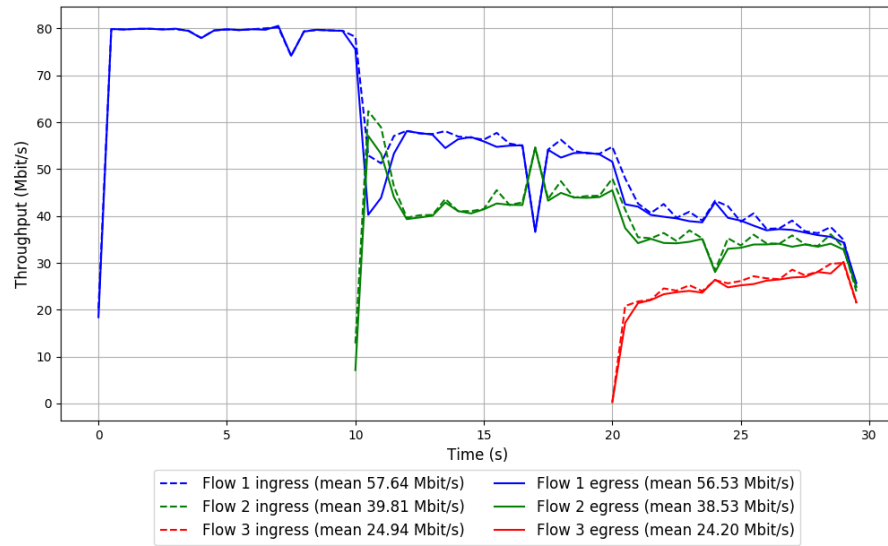
-- Flow 3:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 49.017 ms

Loss rate: 3.04%

Run 9: Report of QUIC Cubic — Data Link

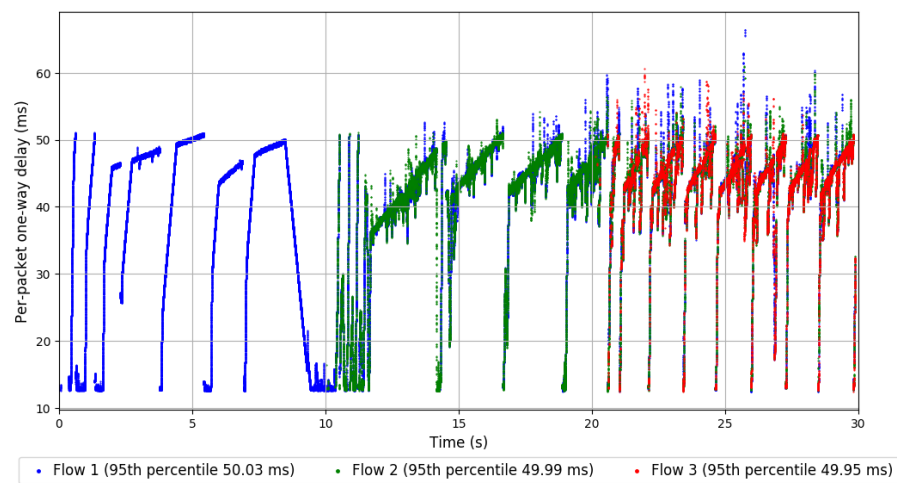
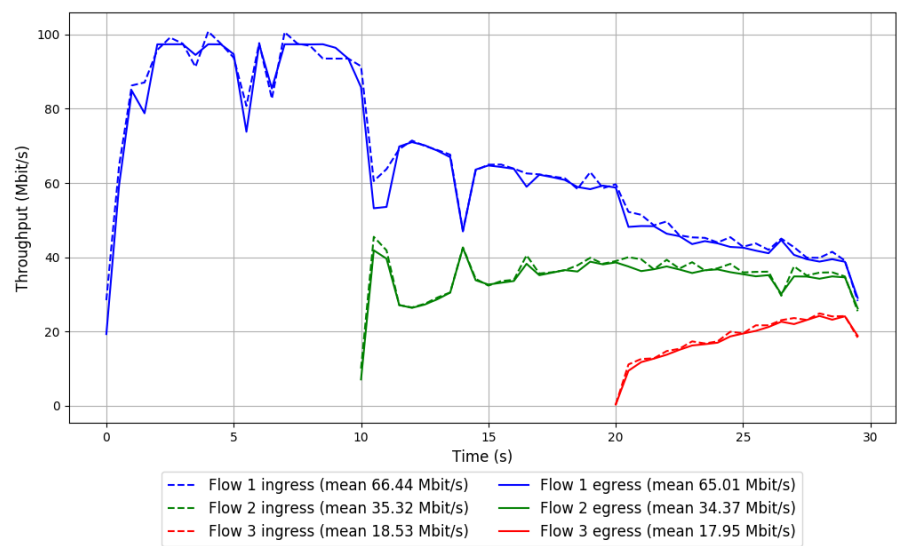


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-06 18:47:40
End at: 2018-03-06 18:48:10
Local clock offset: 5.666 ms
Remote clock offset: 16.842 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 50.014 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 50.030 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 49.993 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 17.95 Mbit/s
95th percentile per-packet one-way delay: 49.955 ms
Loss rate: 3.33%

Run 10: Report of QUIC Cubic — Data Link

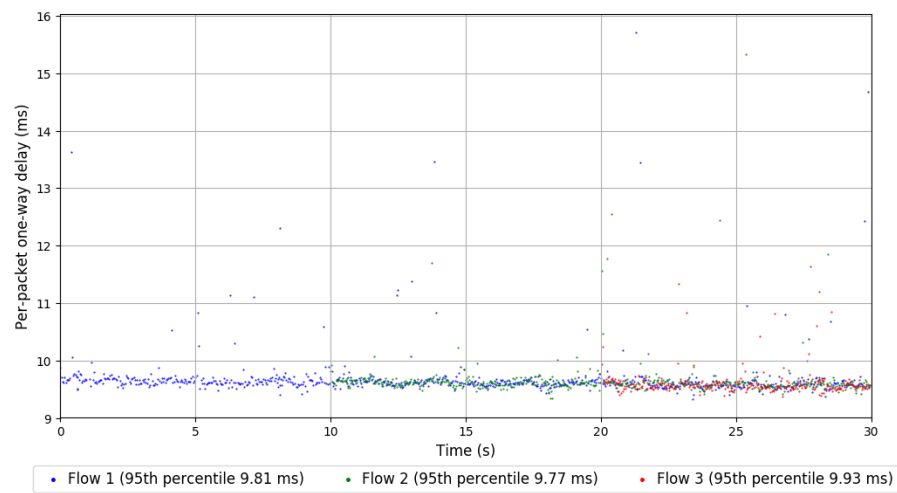
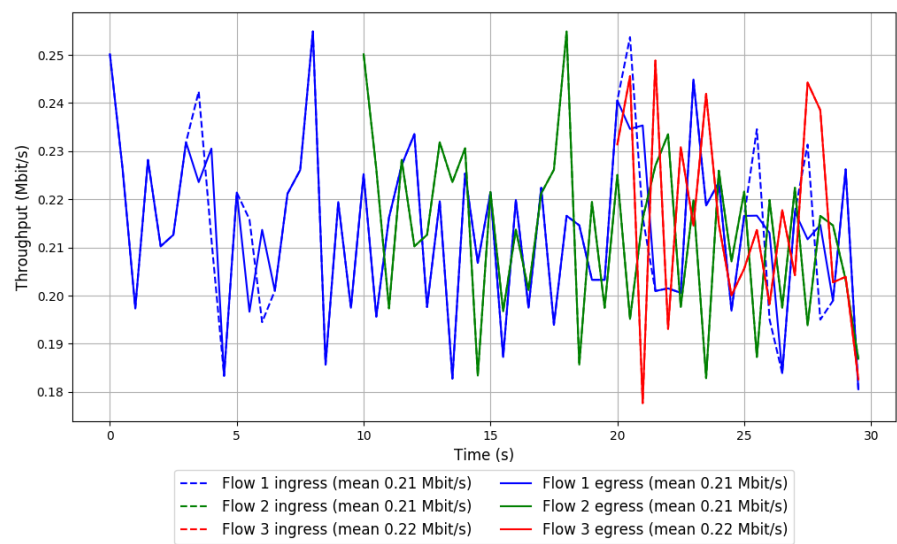


```
Run 1: Statistics of SReAM

Start at: 2018-03-06 15:34:33
End at: 2018-03-06 15:35:03
Local clock offset: 6.113 ms
Remote clock offset: 6.805 ms

# Below is generated by plot.py at 2018-03-06 19:34:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 9.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.812 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 9.772 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.928 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

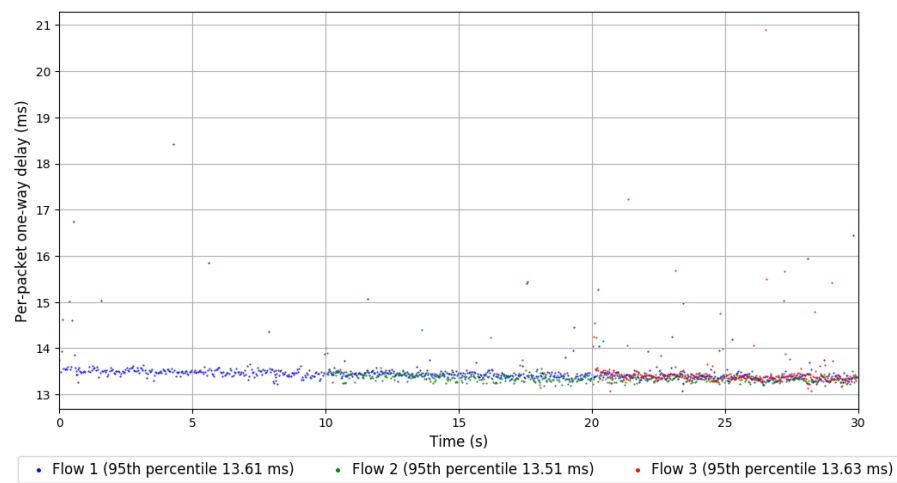
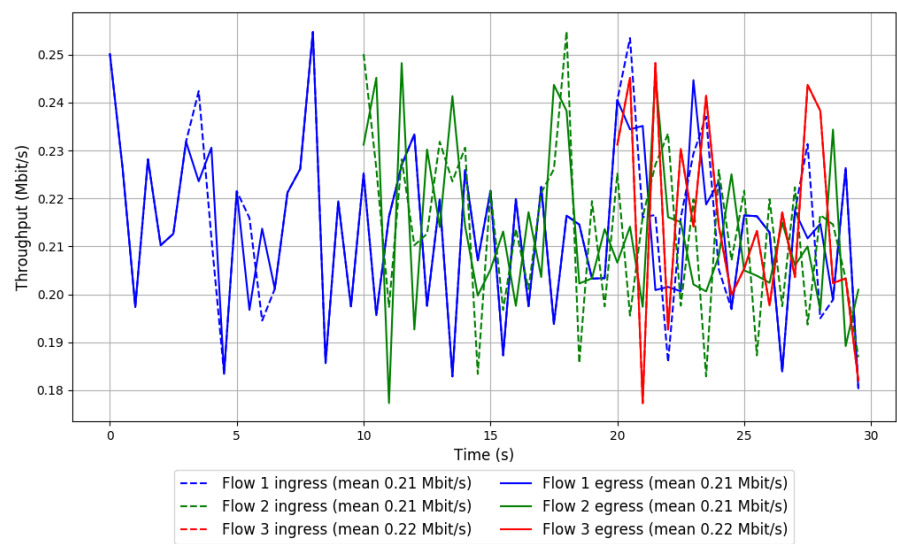


Run 2: Statistics of SReAM

Start at: 2018-03-06 15:55:57
End at: 2018-03-06 15:56:27
Local clock offset: 3.863 ms
Remote clock offset: 16.894 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 13.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.508 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.628 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

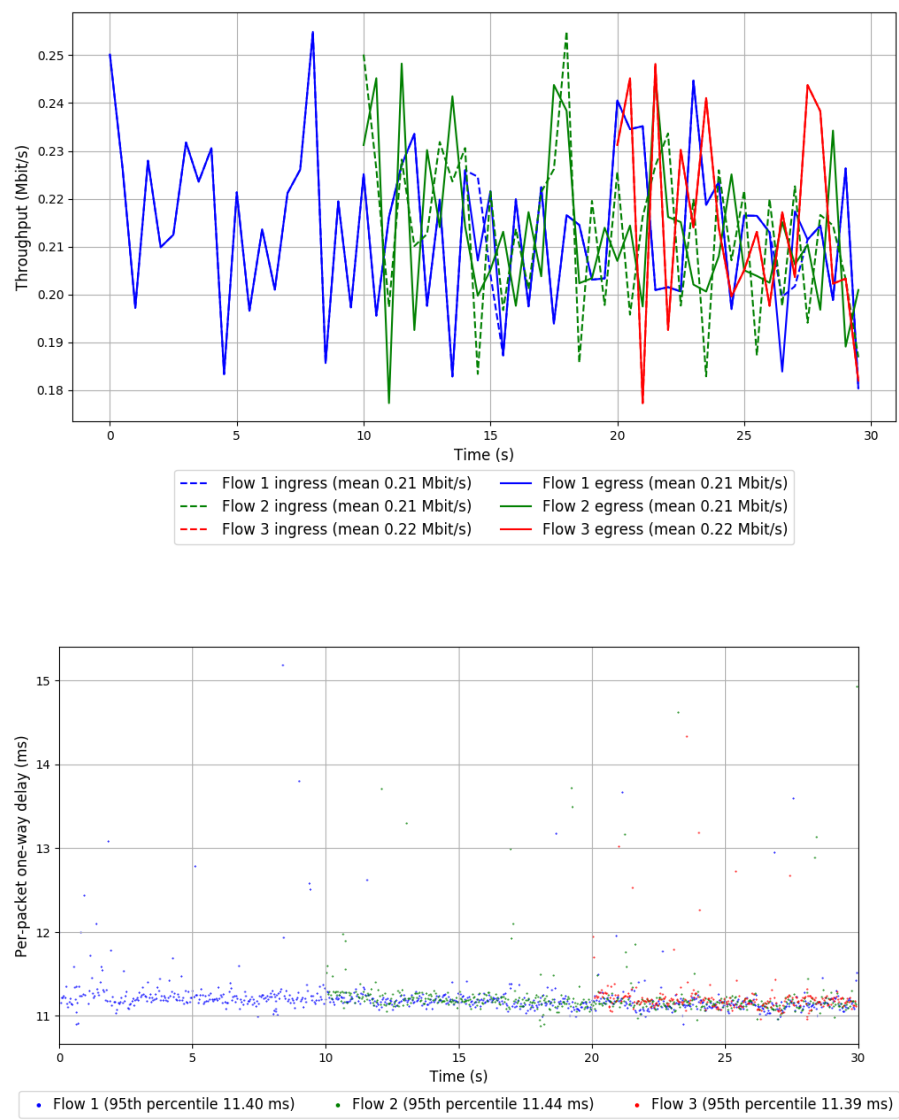


Run 3: Statistics of SReAM

Start at: 2018-03-06 16:17:24
End at: 2018-03-06 16:17:54
Local clock offset: 4.574 ms
Remote clock offset: 21.221 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.404 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.401 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.444 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.388 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

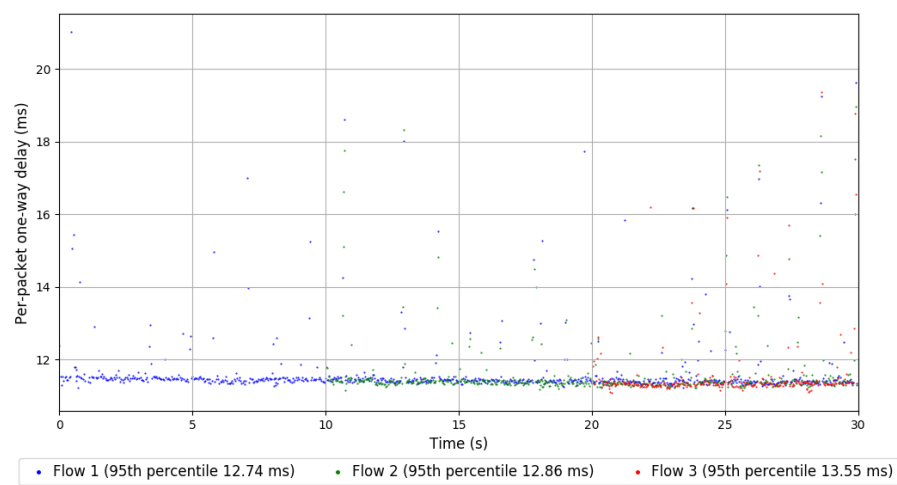
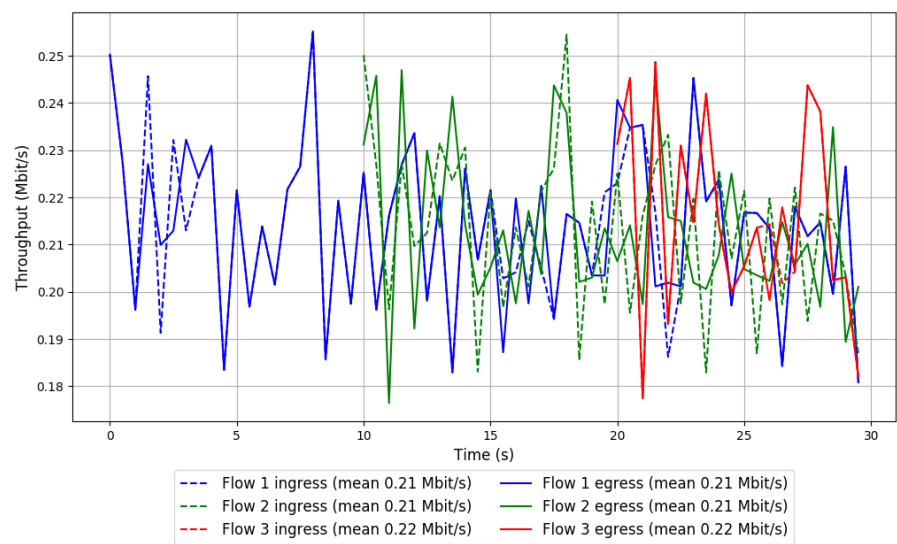


Run 4: Statistics of SReAM

Start at: 2018-03-06 16:38:43
End at: 2018-03-06 16:39:13
Local clock offset: 3.363 ms
Remote clock offset: 24.469 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 12.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.857 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 13.553 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-03-06 16:59:50

End at: 2018-03-06 17:00:20

Local clock offset: 0.77 ms

Remote clock offset: 7.994 ms

Below is generated by plot.py at 2018-03-06 19:34:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 15.416 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.372 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.409 ms

Loss rate: 0.00%

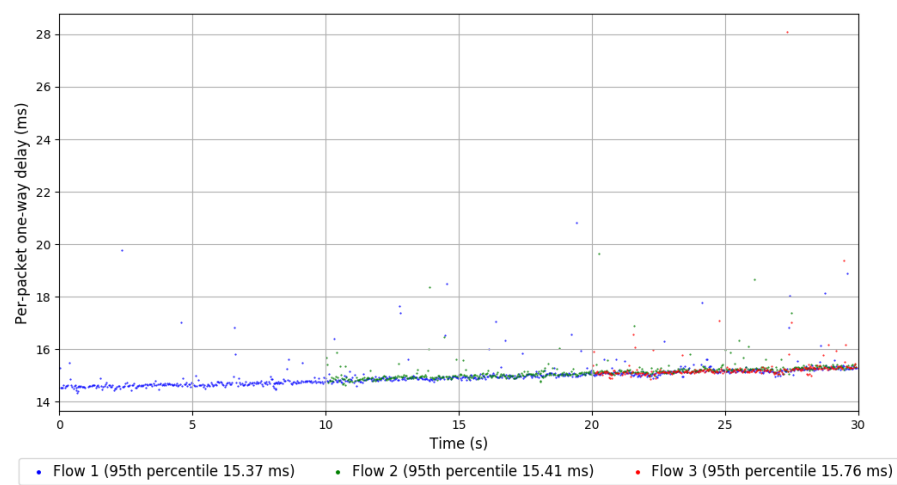
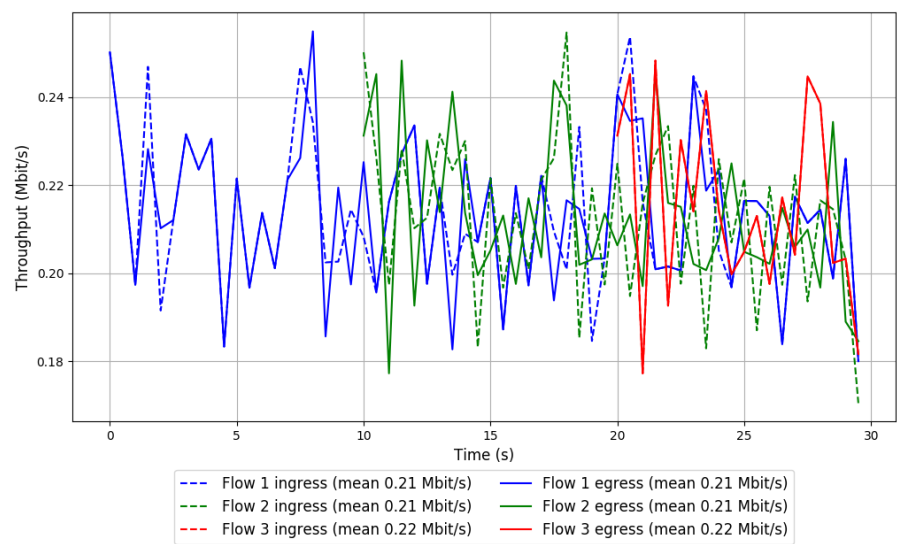
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 15.757 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

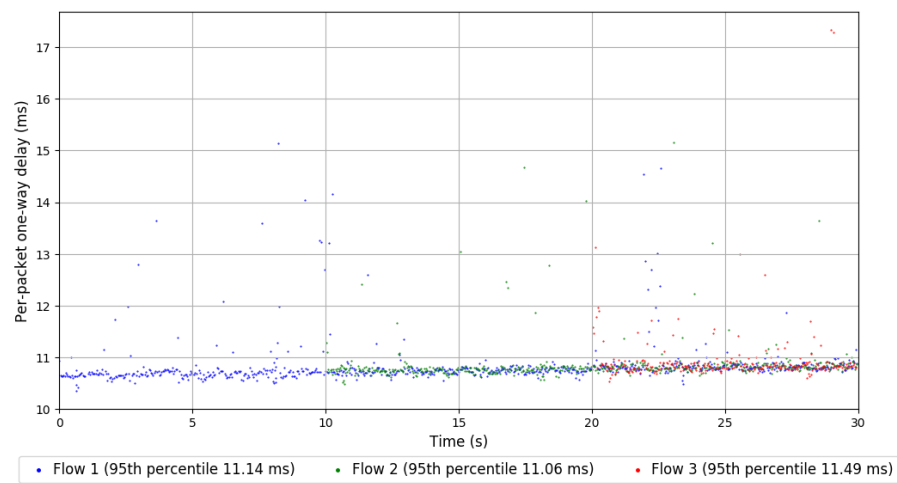
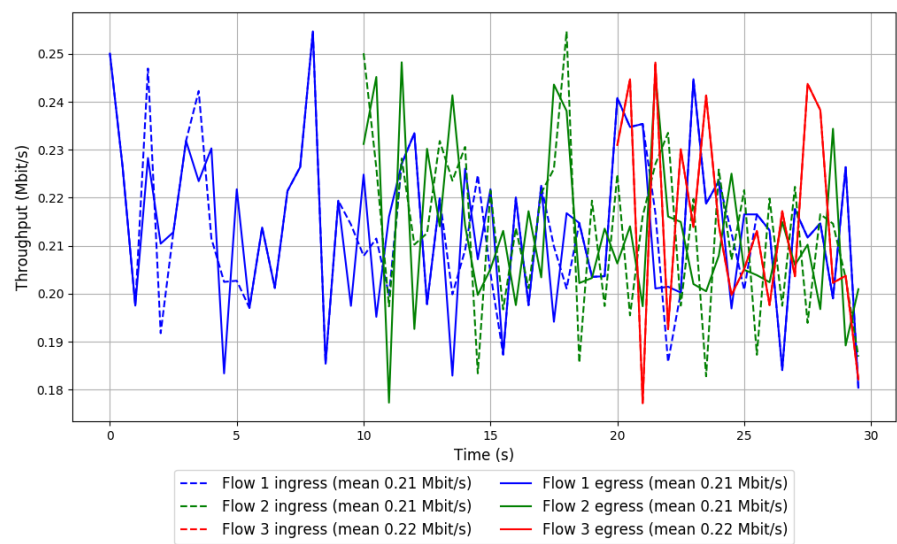


Run 6: Statistics of SReAM

Start at: 2018-03-06 17:21:02
End at: 2018-03-06 17:21:32
Local clock offset: 3.213 ms
Remote clock offset: -8.704 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.137 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.065 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.489 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

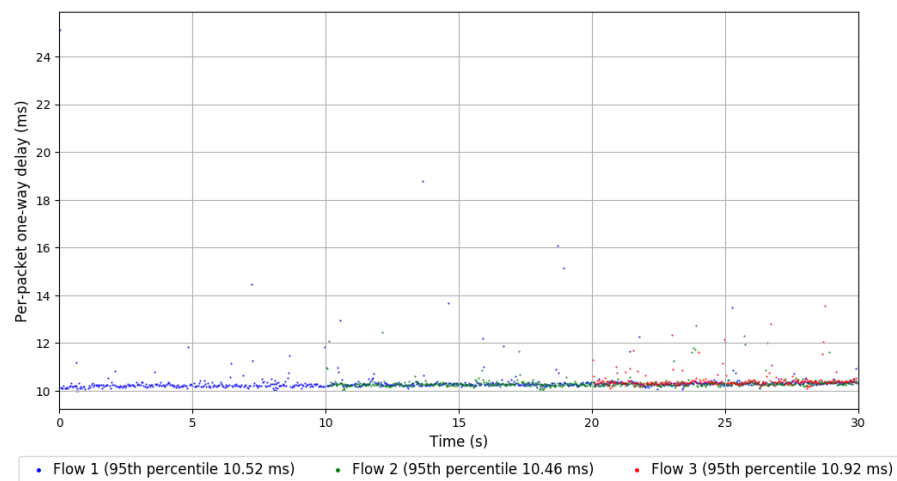
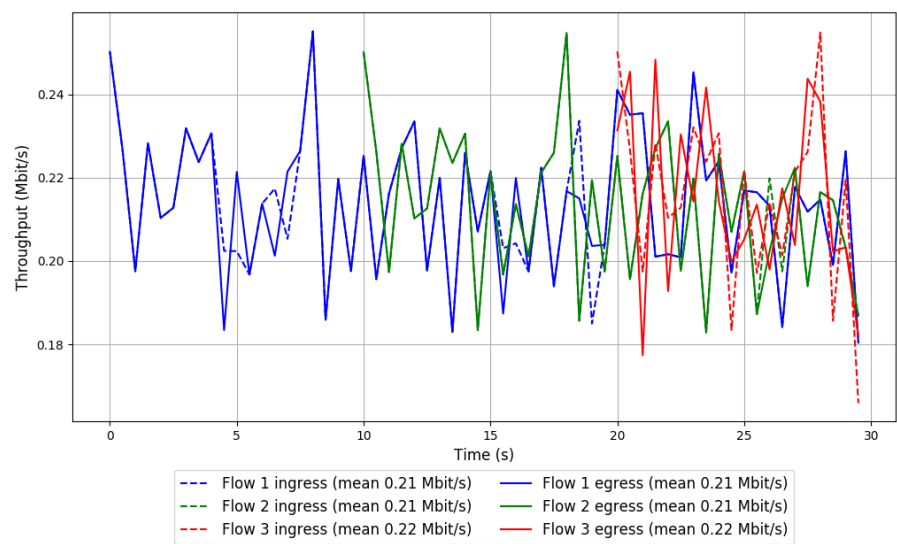


Run 7: Statistics of SReAM

Start at: 2018-03-06 17:42:29
End at: 2018-03-06 17:42:59
Local clock offset: 4.569 ms
Remote clock offset: -15.571 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.519 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.462 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.919 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

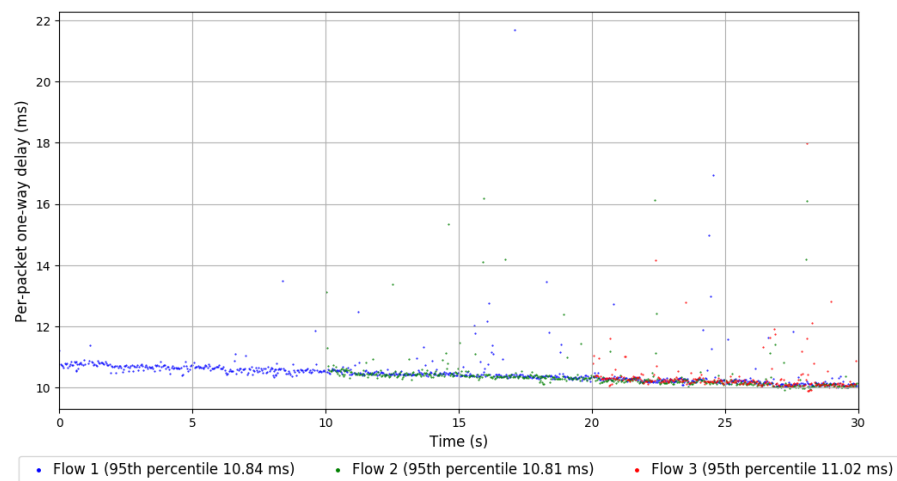
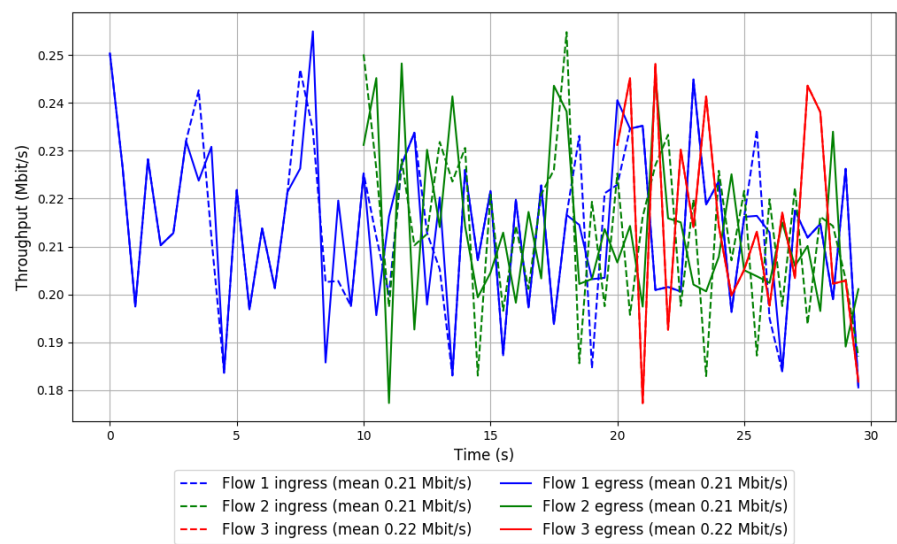


Run 8: Statistics of SReAM

Start at: 2018-03-06 18:03:46
End at: 2018-03-06 18:04:16
Local clock offset: 4.399 ms
Remote clock offset: -12.655 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 10.857 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.835 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 10.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.020 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

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

End at: 2018-03-06 18:25:43

Local clock offset: 3.243 ms

Remote clock offset: 1.334 ms

Below is generated by plot.py at 2018-03-06 19:34:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.900 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.793 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.788 ms

Loss rate: 0.00%

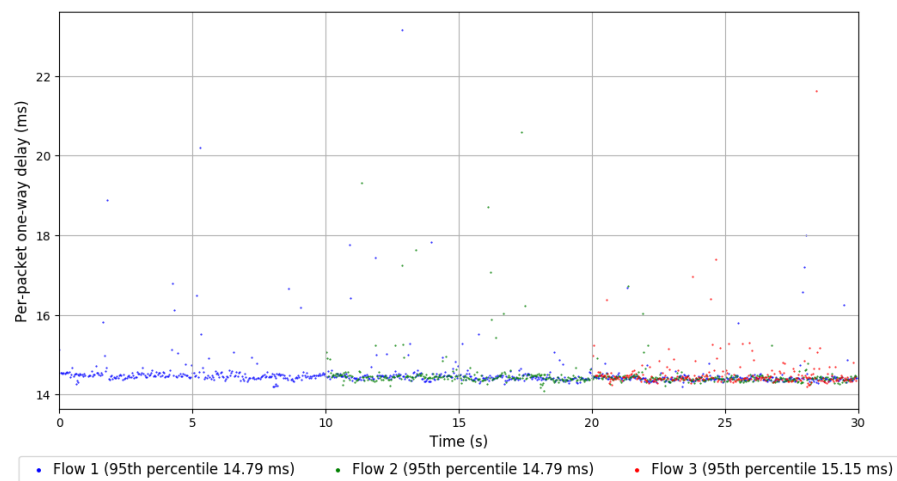
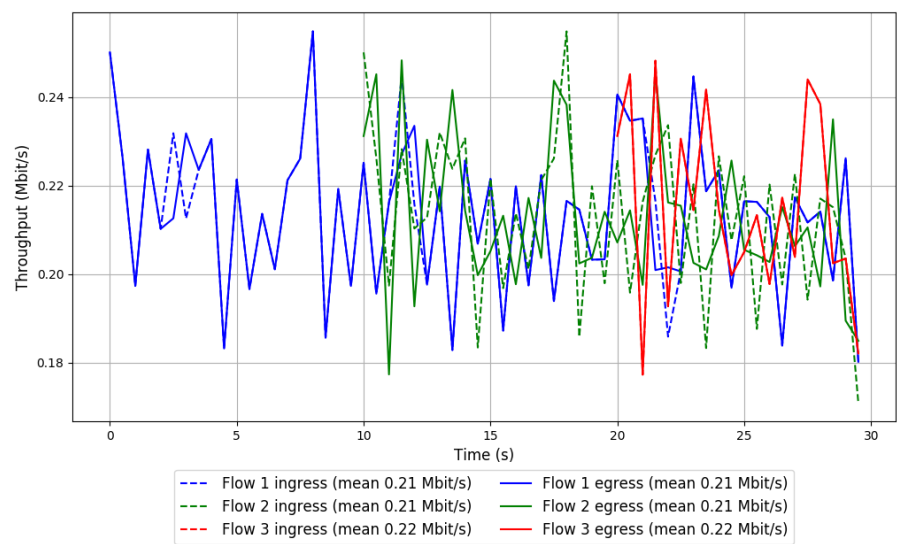
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 15.151 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

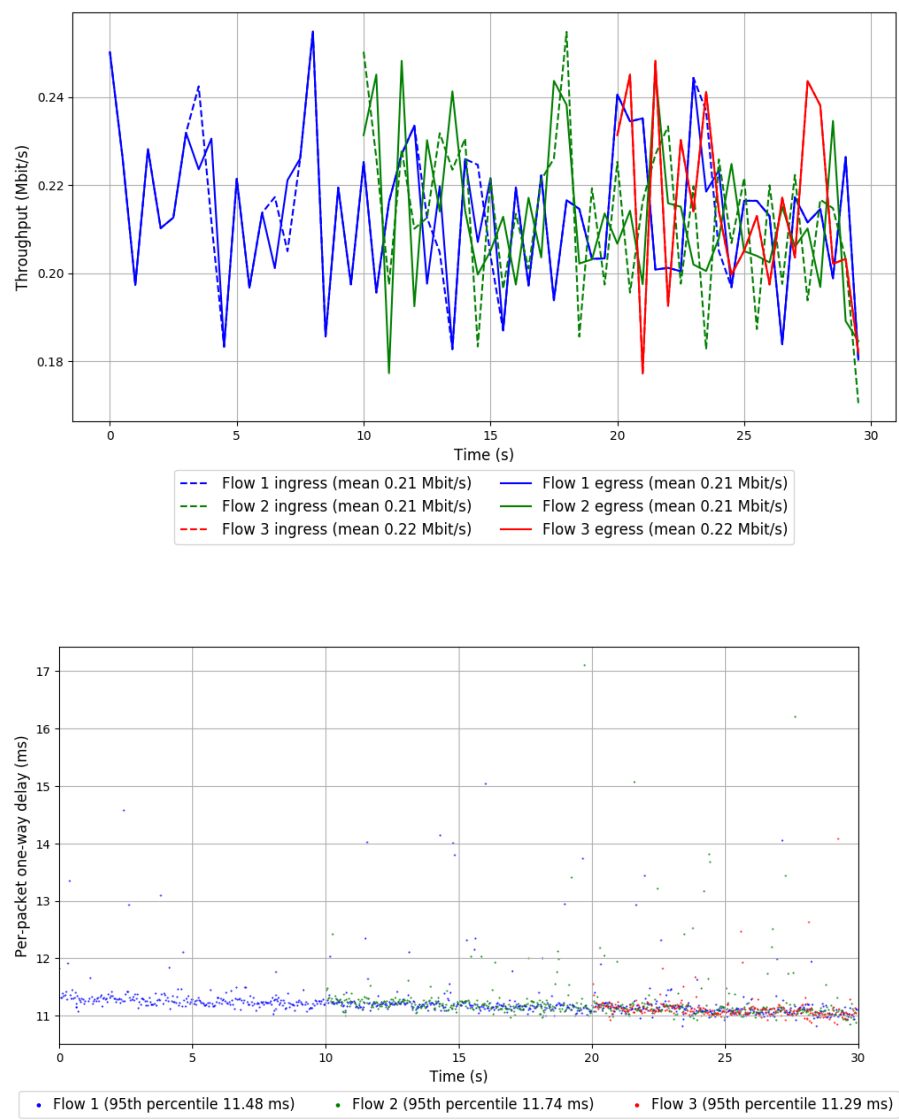


Run 10: Statistics of SCReAM

Start at: 2018-03-06 18:46:35
End at: 2018-03-06 18:47:05
Local clock offset: 5.86 ms
Remote clock offset: 14.957 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 11.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.481 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.742 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.291 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-03-06 15:27:35

End at: 2018-03-06 15:28:05

Local clock offset: 7.58 ms

Remote clock offset: 6.028 ms

Below is generated by plot.py at 2018-03-06 19:34:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 10.499 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 10.466 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 10.233 ms

Loss rate: 0.00%

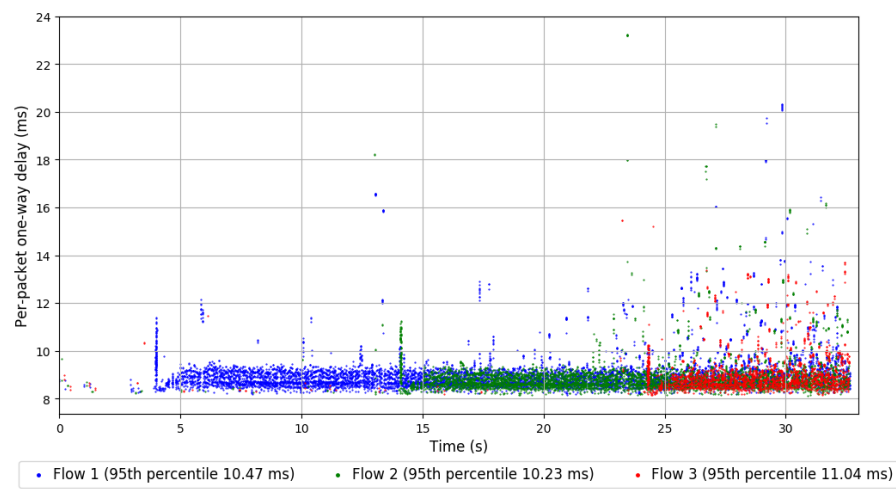
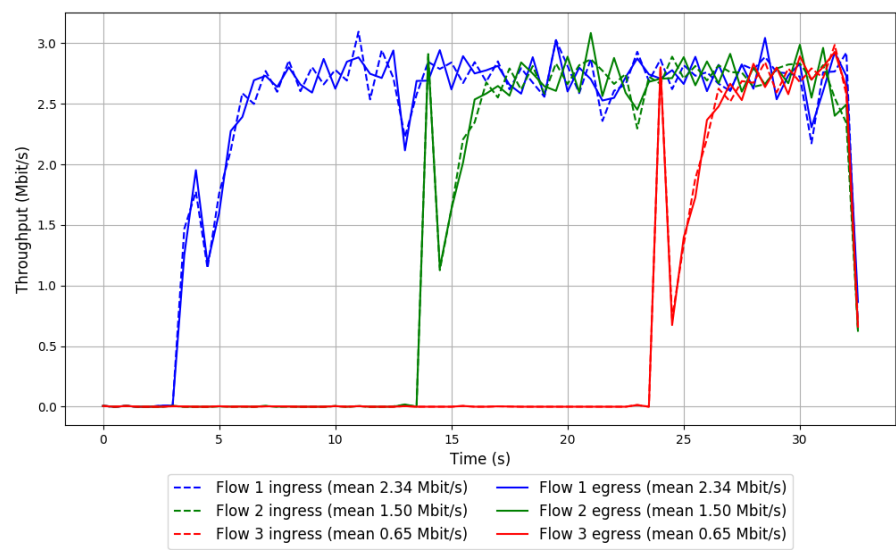
-- Flow 3:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 11.038 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

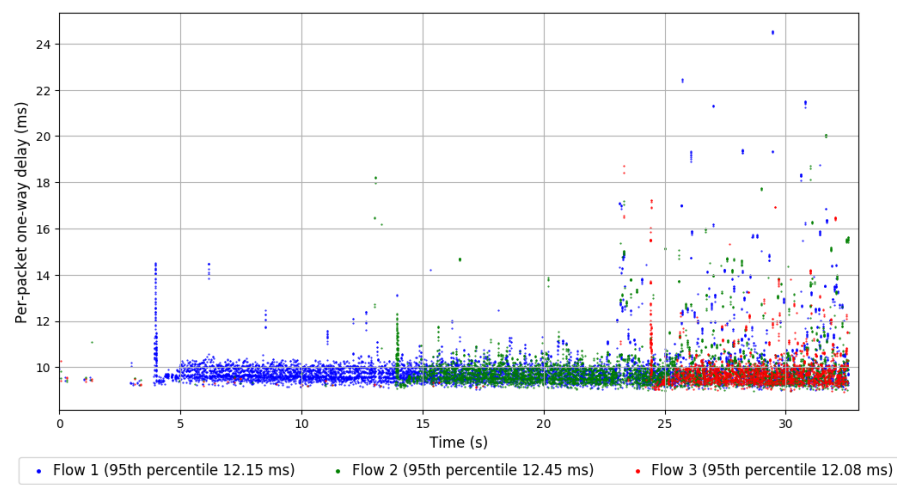
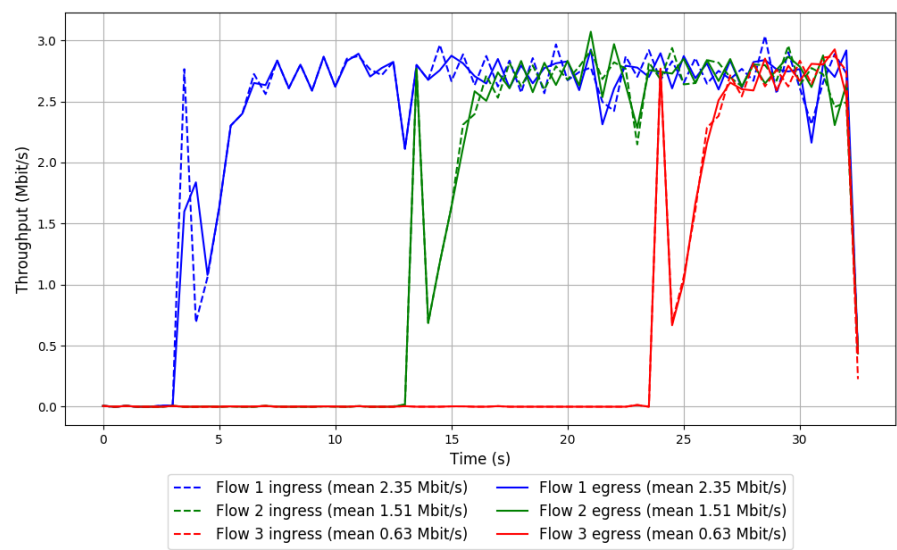


Run 2: Statistics of WebRTC media

Start at: 2018-03-06 15:48:53
End at: 2018-03-06 15:49:23
Local clock offset: 6.415 ms
Remote clock offset: 12.323 ms

```
# Below is generated by plot.py at 2018-03-06 19:34:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 12.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 12.150 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 12.448 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 12.082 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

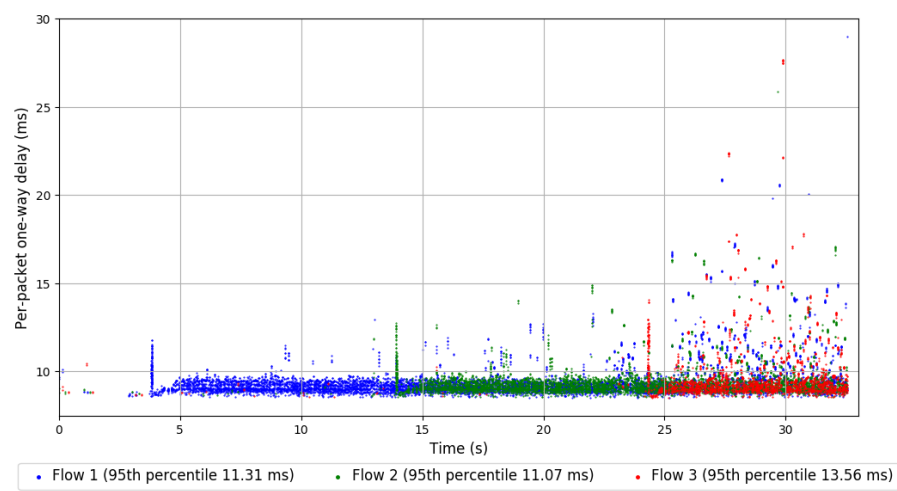
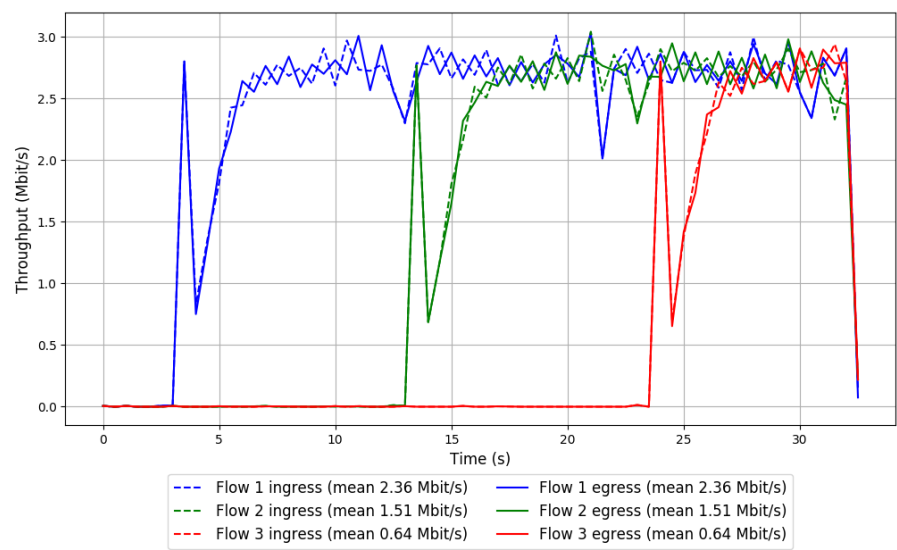


Run 3: Statistics of WebRTC media

Start at: 2018-03-06 16:10:10
End at: 2018-03-06 16:10:40
Local clock offset: 7.058 ms
Remote clock offset: 19.746 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 11.674 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 11.315 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 11.074 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 13.562 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

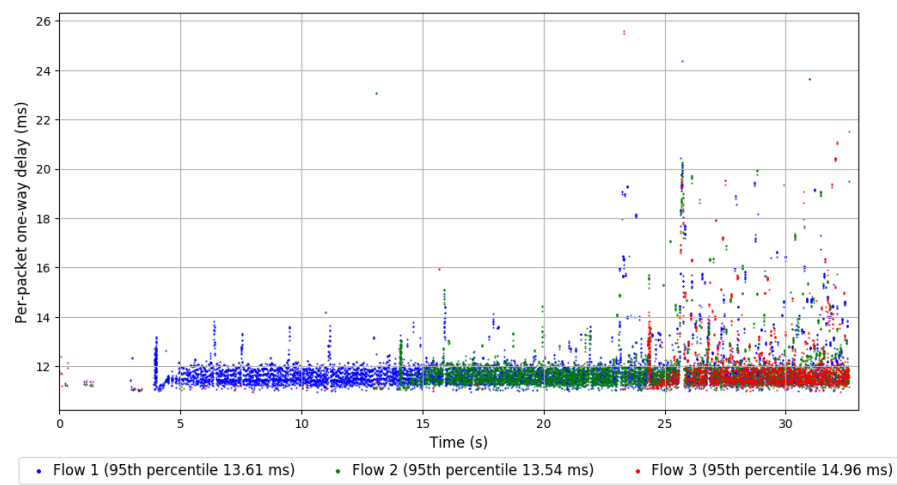
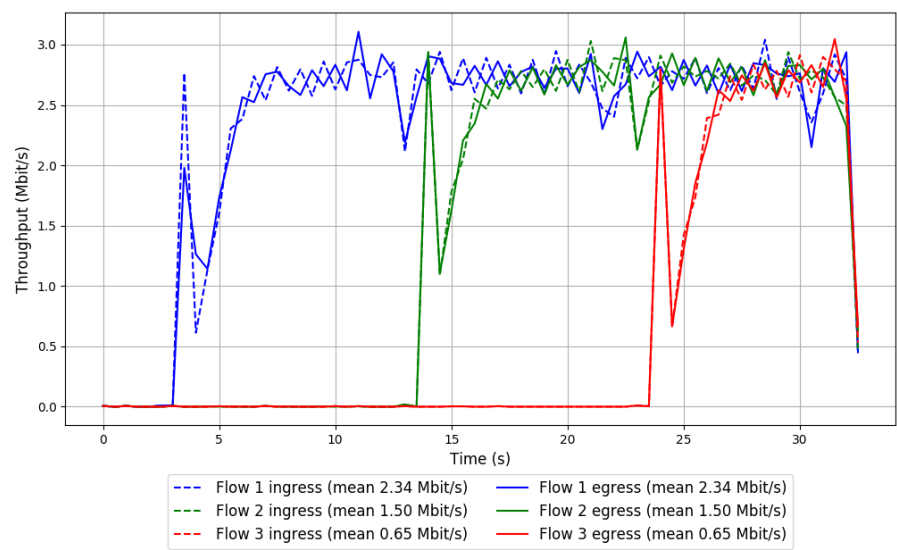


Run 4: Statistics of WebRTC media

Start at: 2018-03-06 16:31:41
End at: 2018-03-06 16:32:11
Local clock offset: 3.607 ms
Remote clock offset: 23.243 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 13.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 13.612 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 13.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 14.962 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

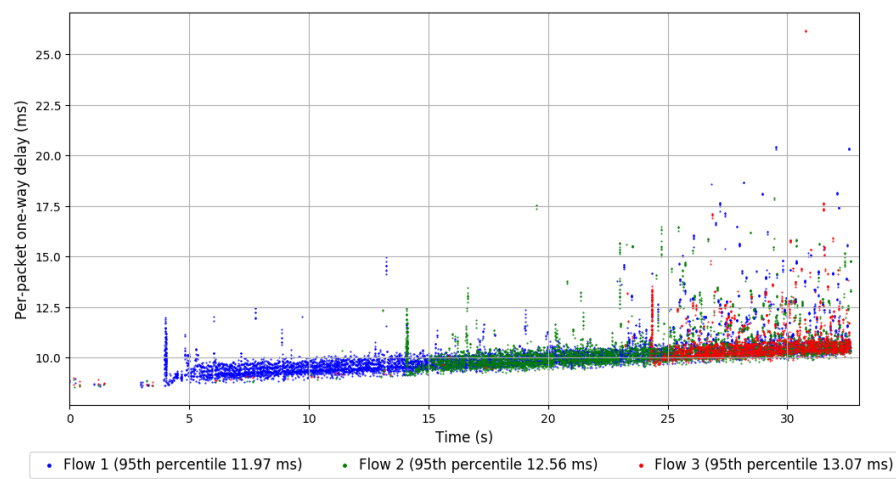
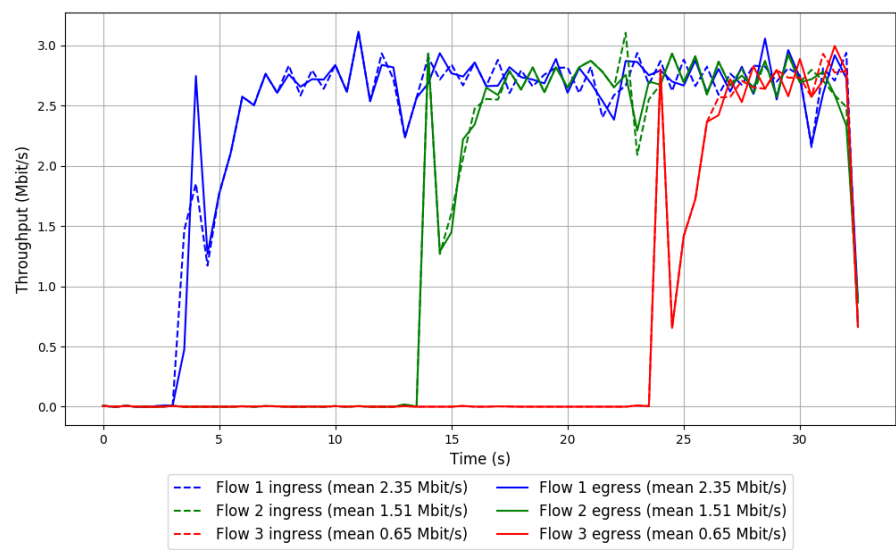


Run 5: Statistics of WebRTC media

Start at: 2018-03-06 16:52:48
End at: 2018-03-06 16:53:18
Local clock offset: 5.732 ms
Remote clock offset: 22.237 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 12.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 11.973 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 12.556 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 13.066 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

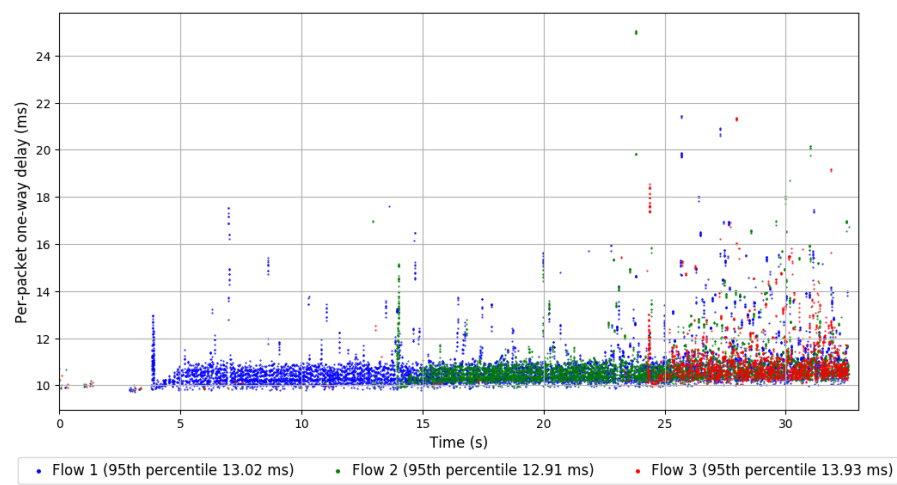
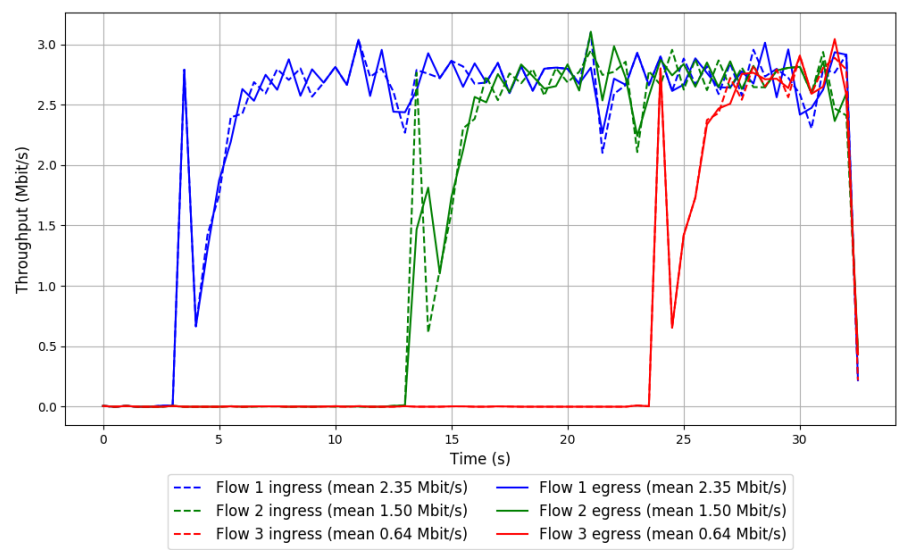


Run 6: Statistics of WebRTC media

Start at: 2018-03-06 17:14:02
End at: 2018-03-06 17:14:32
Local clock offset: 4.212 ms
Remote clock offset: -5.201 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 13.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 13.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 12.909 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 13.928 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

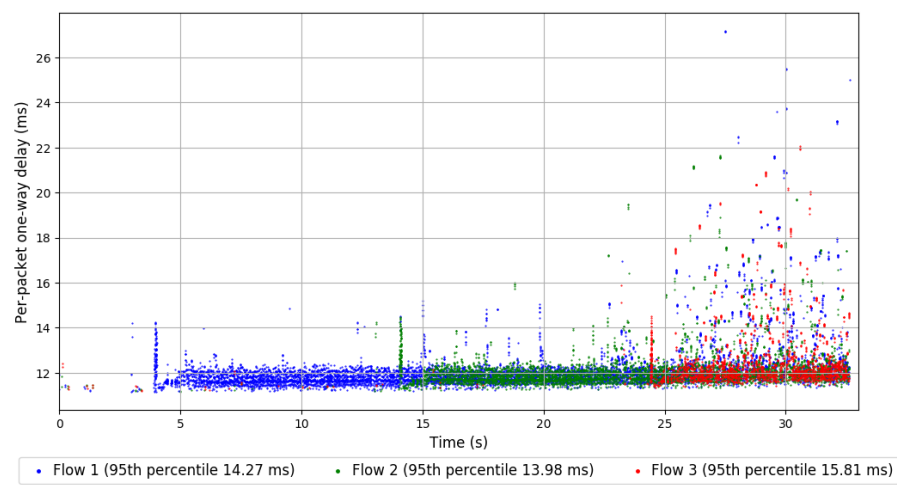
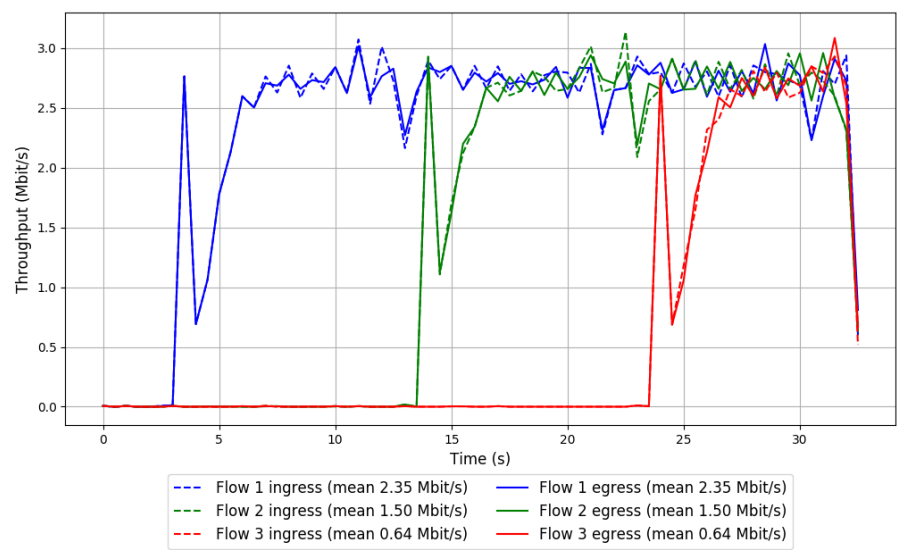


Run 7: Statistics of WebRTC media

Start at: 2018-03-06 17:35:21
End at: 2018-03-06 17:35:51
Local clock offset: 2.921 ms
Remote clock offset: -13.268 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 14.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 14.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 13.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 15.808 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

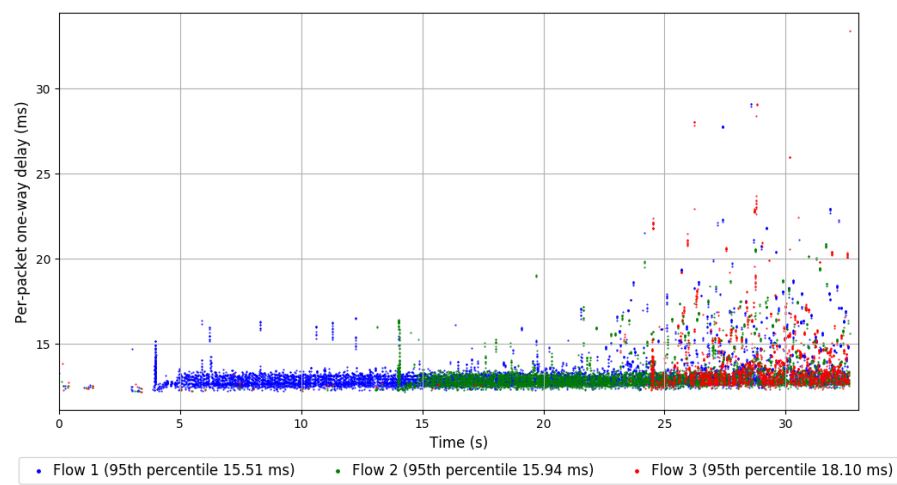
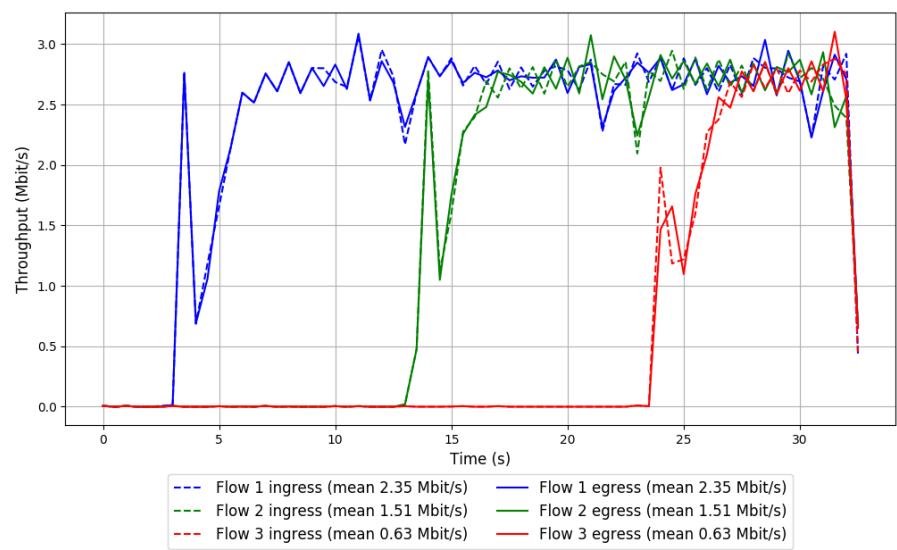


Run 8: Statistics of WebRTC media

Start at: 2018-03-06 17:56:44
End at: 2018-03-06 17:57:14
Local clock offset: 2.366 ms
Remote clock offset: -20.14 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 16.083 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 15.507 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 15.936 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 18.097 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

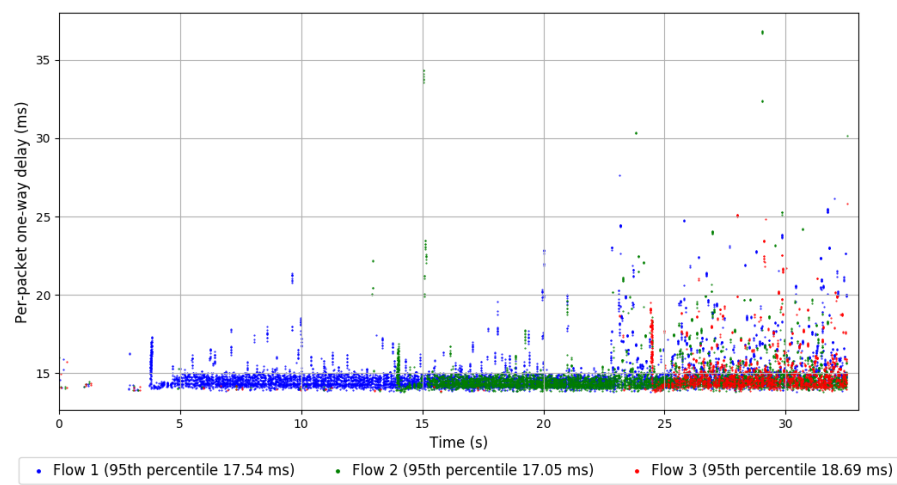
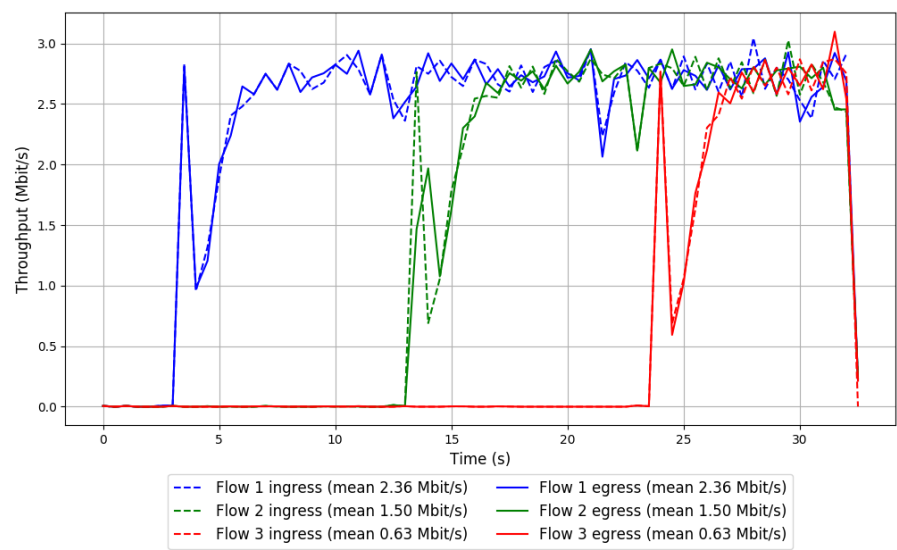


Run 9: Statistics of WebRTC media

Start at: 2018-03-06 18:18:07
End at: 2018-03-06 18:18:37
Local clock offset: 2.577 ms
Remote clock offset: -1.082 ms

Below is generated by plot.py at 2018-03-06 19:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 17.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 17.543 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 17.053 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 18.688 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-06 18:39:28

End at: 2018-03-06 18:39:58

Local clock offset: 5.497 ms

Remote clock offset: 8.034 ms

Below is generated by plot.py at 2018-03-06 19:34:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 12.373 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 12.141 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 12.945 ms

Loss rate: 0.00%

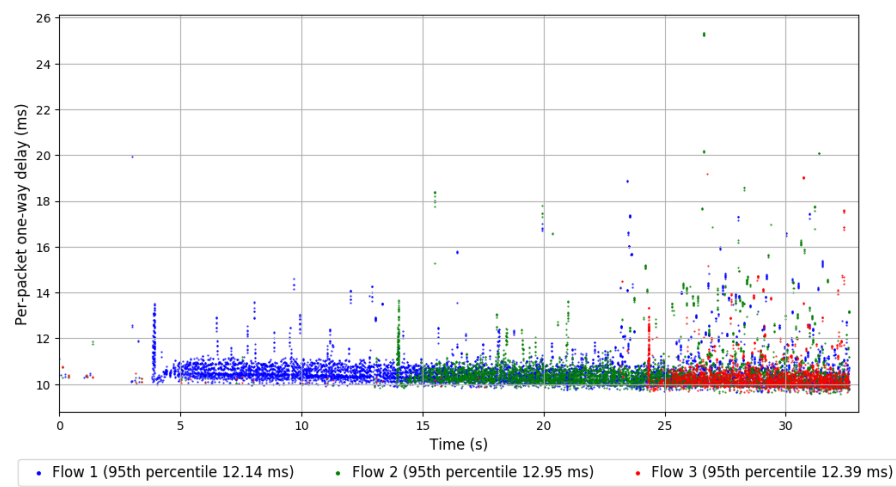
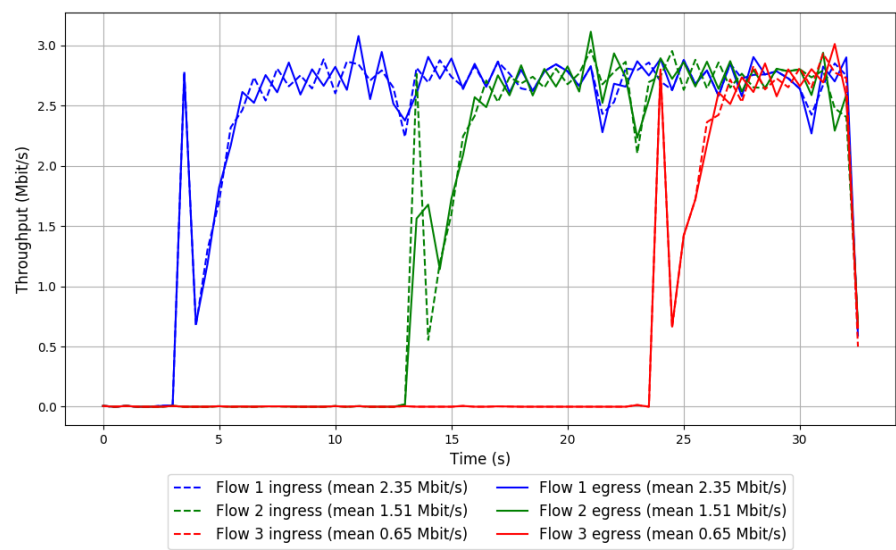
-- Flow 3:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 12.388 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-03-06 15:38:01

End at: 2018-03-06 15:38:31

Local clock offset: 7.054 ms

Remote clock offset: 7.514 ms

Below is generated by plot.py at 2018-03-06 19:34:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 18.438 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 17.738 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.49 Mbit/s

95th percentile per-packet one-way delay: 19.779 ms

Loss rate: 0.00%

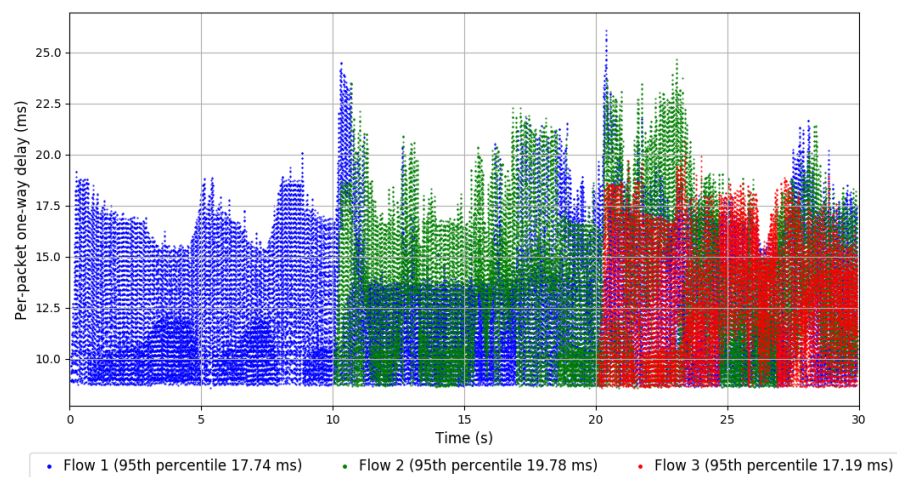
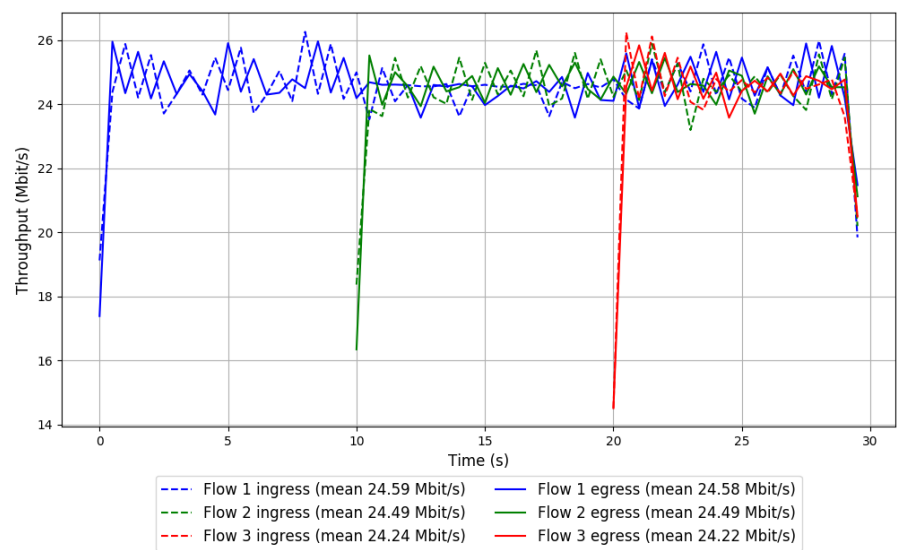
-- Flow 3:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 17.189 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

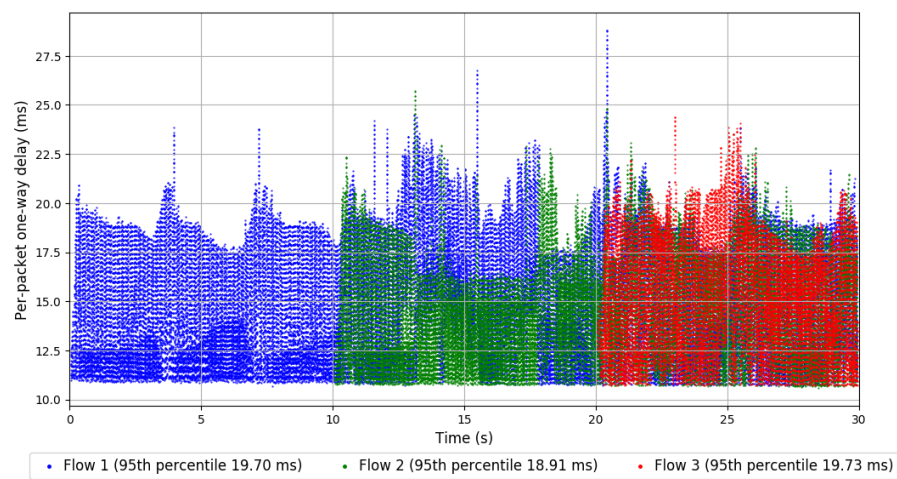
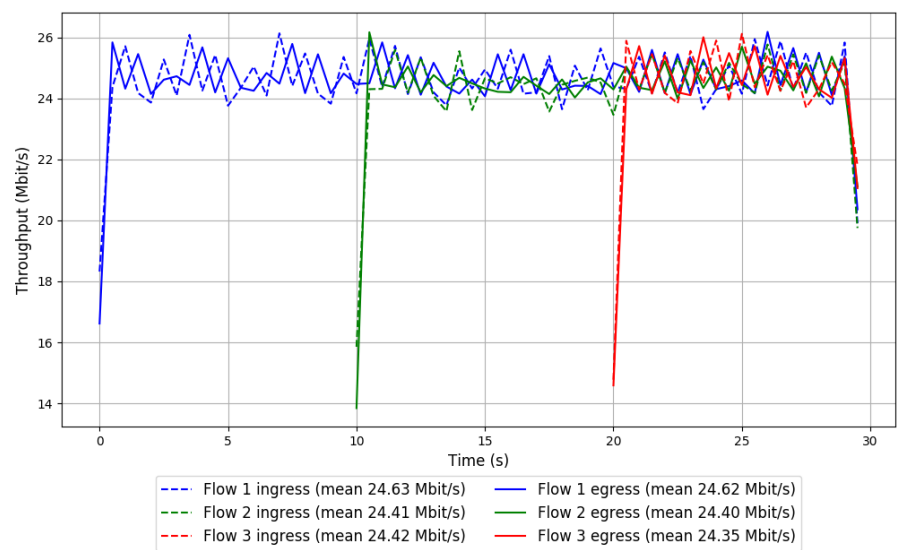


Run 2: Statistics of Sprout

Start at: 2018-03-06 15:59:21
End at: 2018-03-06 15:59:51
Local clock offset: 3.921 ms
Remote clock offset: 15.694 ms

```
# Below is generated by plot.py at 2018-03-06 19:34:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 19.481 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 19.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 18.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 19.733 ms
Loss rate: 0.22%
```


Run 2: Report of Sprout — Data Link

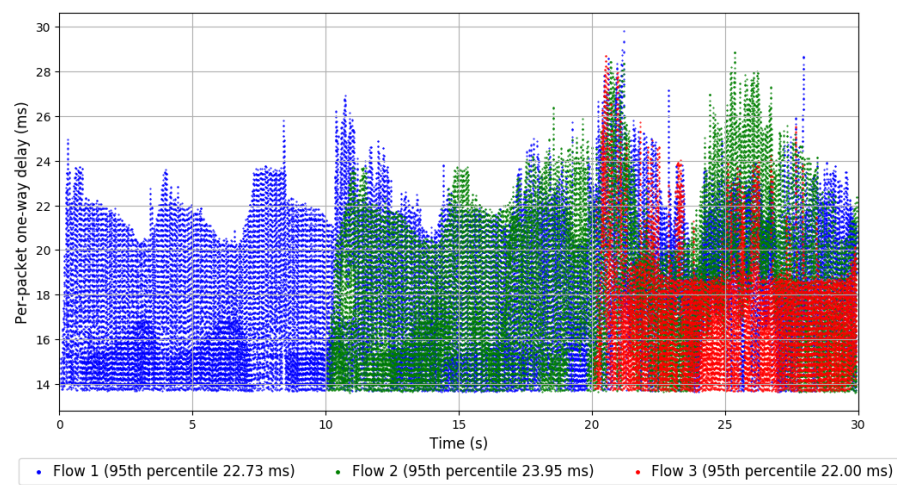
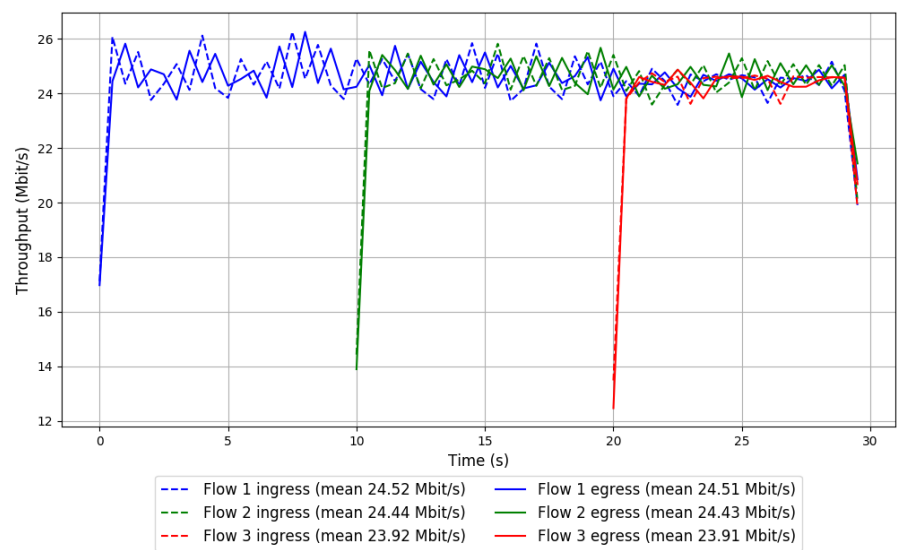


Run 3: Statistics of Sprout

Start at: 2018-03-06 16:20:50
End at: 2018-03-06 16:21:20
Local clock offset: 1.692 ms
Remote clock offset: 21.641 ms

```
# Below is generated by plot.py at 2018-03-06 19:34:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.67 Mbit/s
95th percentile per-packet one-way delay: 23.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 22.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 23.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 22.004 ms
Loss rate: 0.03%
```

Run 3: Report of Sprout — Data Link

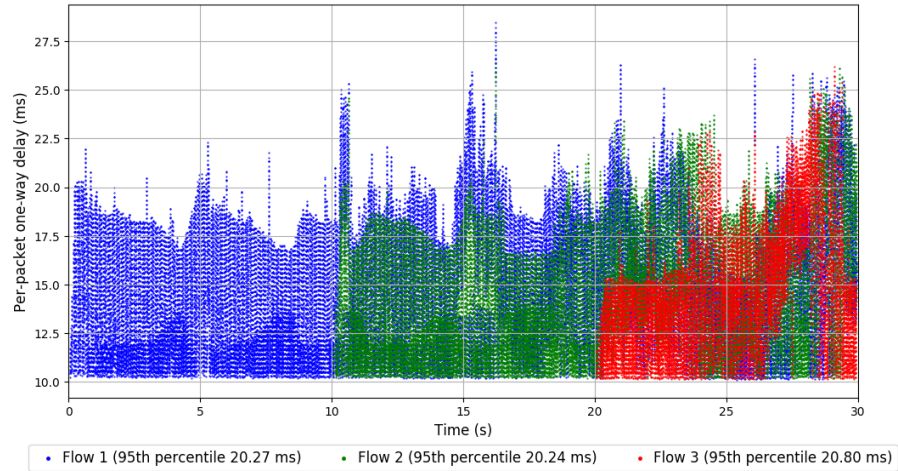
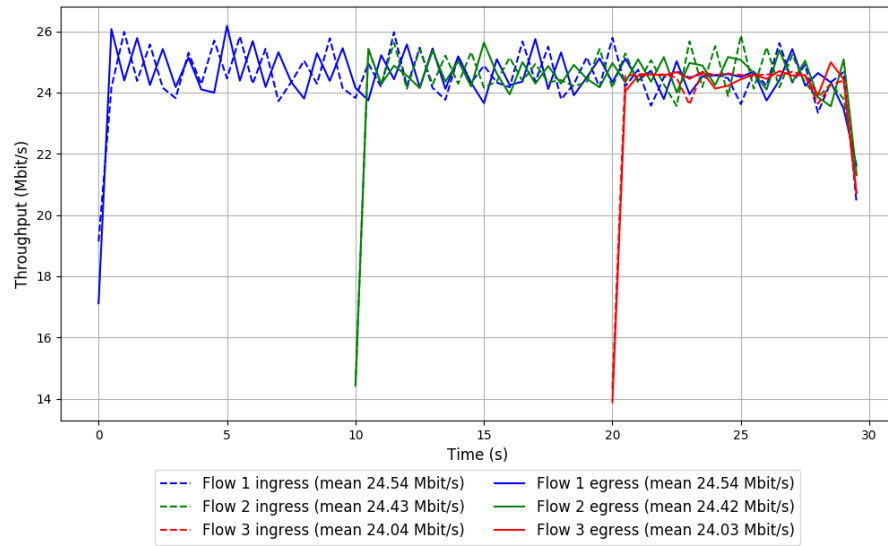


Run 4: Statistics of Sprout

Start at: 2018-03-06 16:42:09
End at: 2018-03-06 16:42:39
Local clock offset: 3.931 ms
Remote clock offset: 24.691 ms

```
# Below is generated by plot.py at 2018-03-06 19:34:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 20.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 20.270 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 20.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 20.804 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

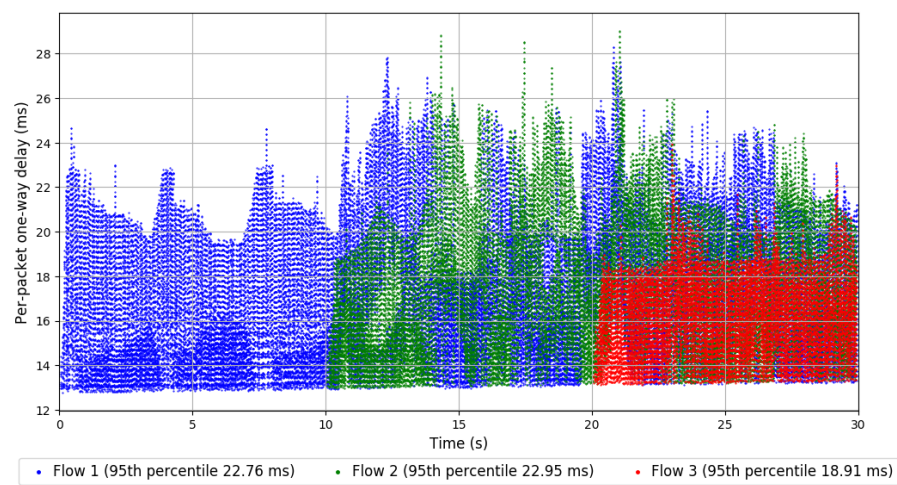
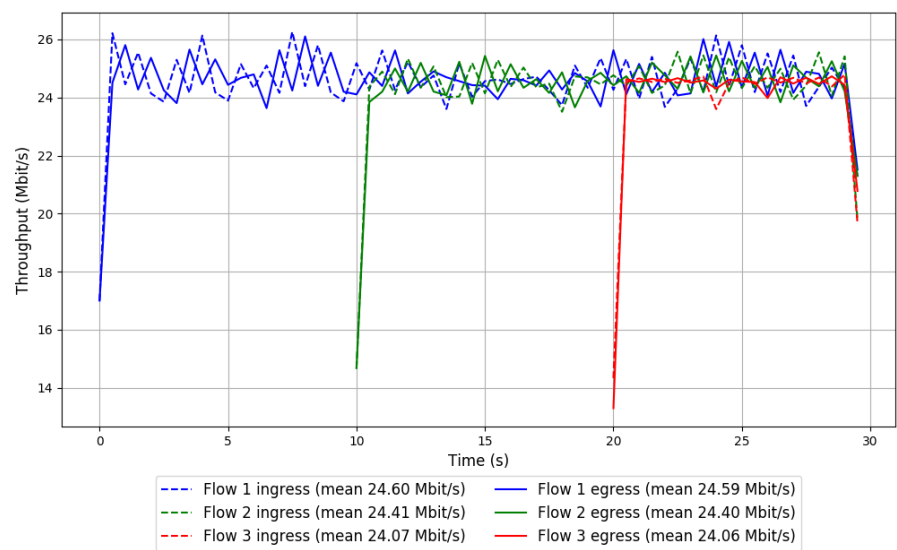


Run 5: Statistics of Sprout

Start at: 2018-03-06 17:03:14
End at: 2018-03-06 17:03:44
Local clock offset: 2.89 ms
Remote clock offset: 4.095 ms

```
# Below is generated by plot.py at 2018-03-06 19:34:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 22.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 22.756 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 22.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 18.907 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

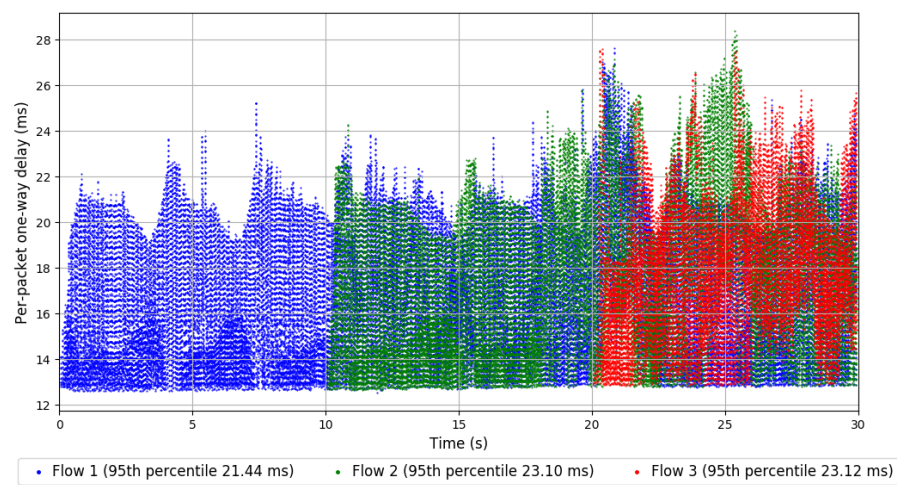
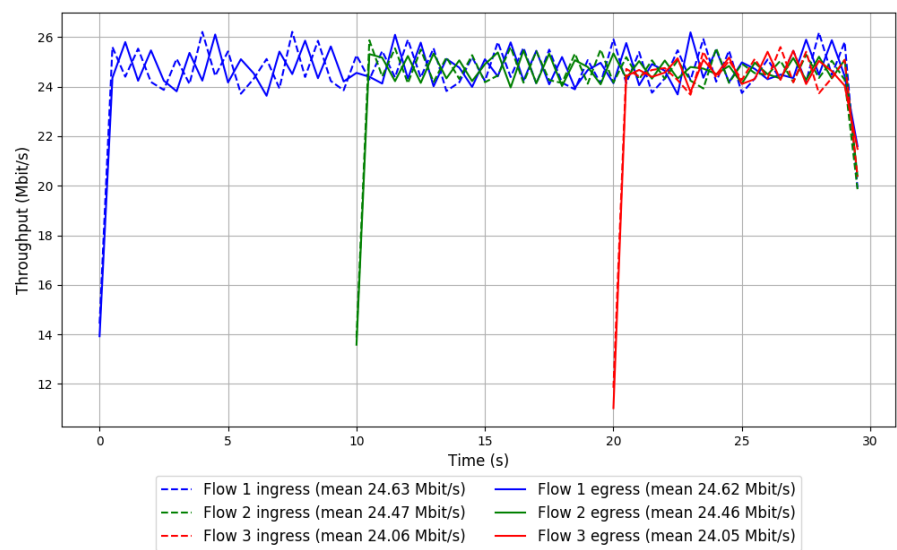


Run 6: Statistics of Sprout

Start at: 2018-03-06 17:24:32
End at: 2018-03-06 17:25:02
Local clock offset: 2.218 ms
Remote clock offset: -9.007 ms

```
# Below is generated by plot.py at 2018-03-06 19:34:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 22.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 21.441 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 23.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 23.124 ms
Loss rate: 0.00%
```


Run 6: Report of Sprout — Data Link

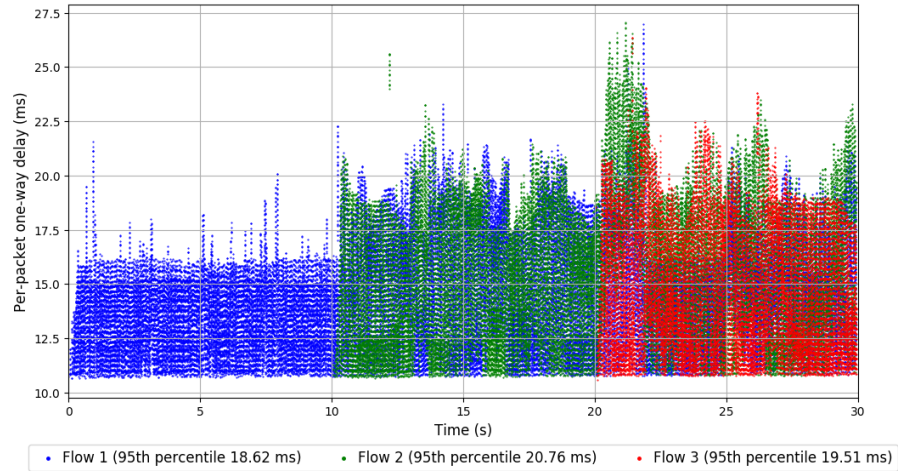
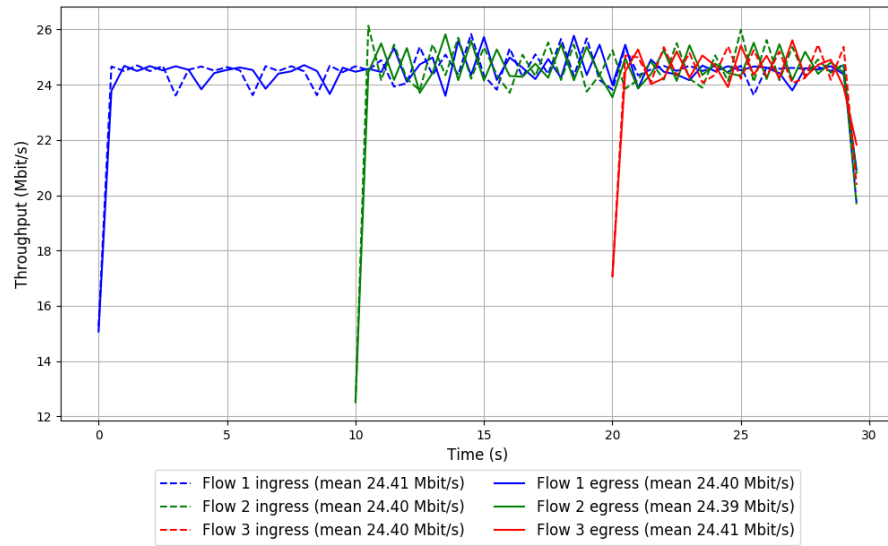


Run 7: Statistics of Sprout

Start at: 2018-03-06 17:45:53
End at: 2018-03-06 17:46:23
Local clock offset: 4.274 ms
Remote clock offset: -16.3 ms

```
# Below is generated by plot.py at 2018-03-06 19:34:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 19.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 18.623 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 20.764 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 19.509 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

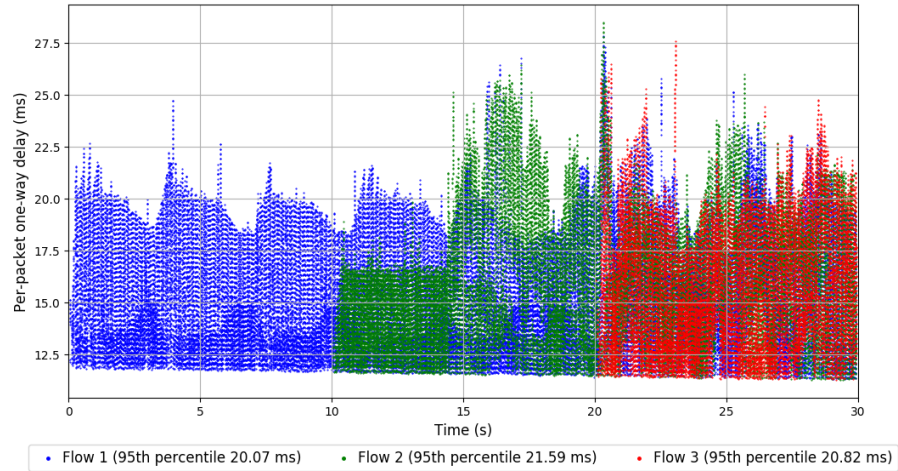
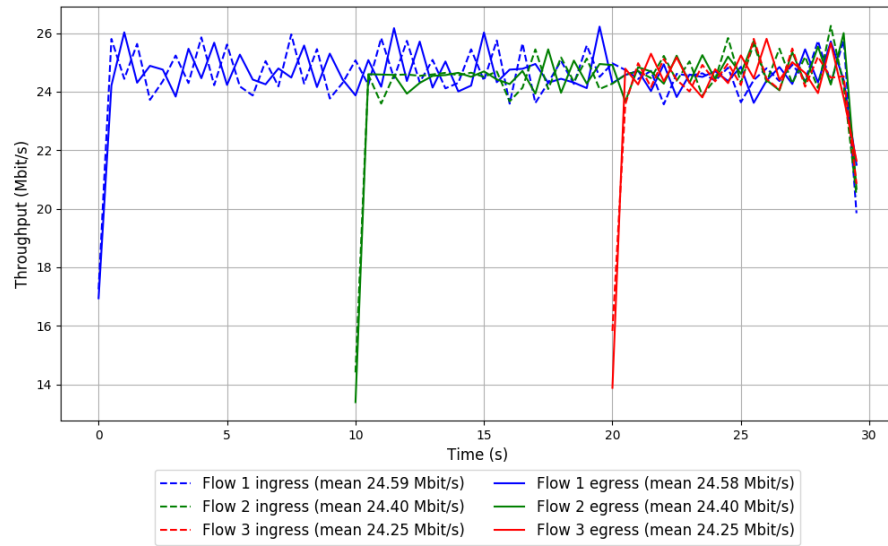


Run 8: Statistics of Sprout

Start at: 2018-03-06 18:07:15
End at: 2018-03-06 18:07:45
Local clock offset: 3.359 ms
Remote clock offset: -8.072 ms

```
# Below is generated by plot.py at 2018-03-06 19:34:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 20.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 20.067 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 21.590 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 20.824 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-03-06 18:28:38

End at: 2018-03-06 18:29:08

Local clock offset: 4.944 ms

Remote clock offset: 1.048 ms

Below is generated by plot.py at 2018-03-06 19:34:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.68 Mbit/s

95th percentile per-packet one-way delay: 21.580 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.43 Mbit/s

95th percentile per-packet one-way delay: 21.670 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 21.146 ms

Loss rate: 0.00%

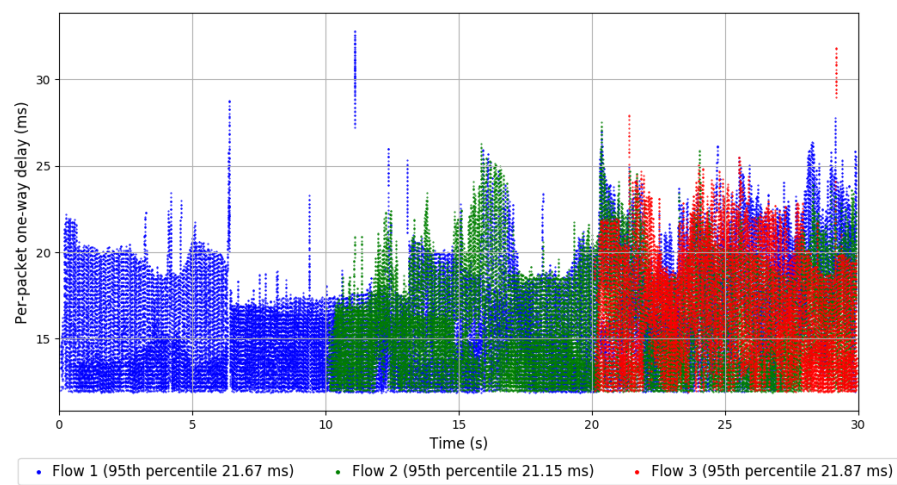
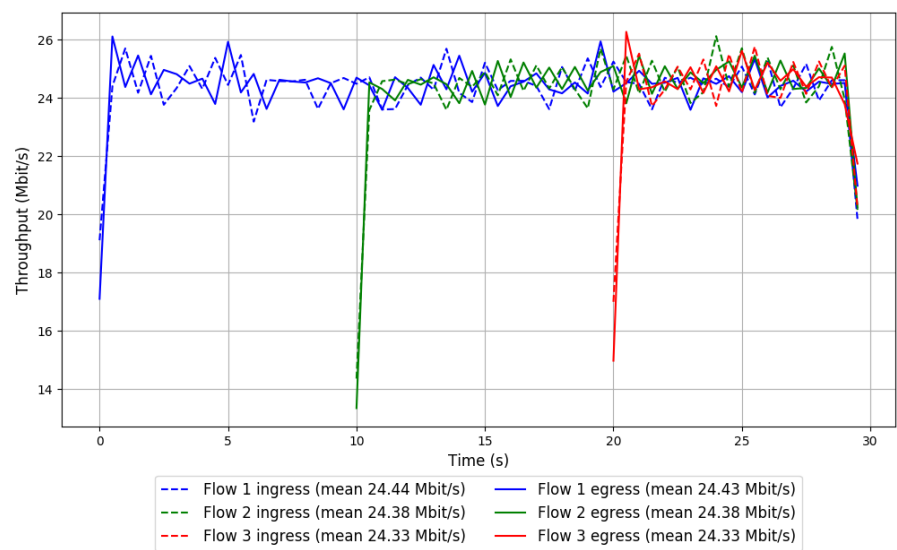
-- Flow 3:

Average throughput: 24.33 Mbit/s

95th percentile per-packet one-way delay: 21.868 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

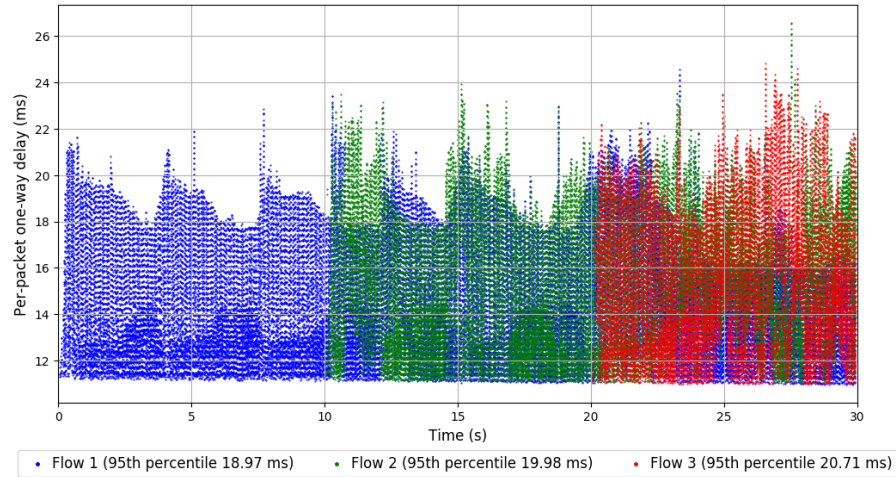
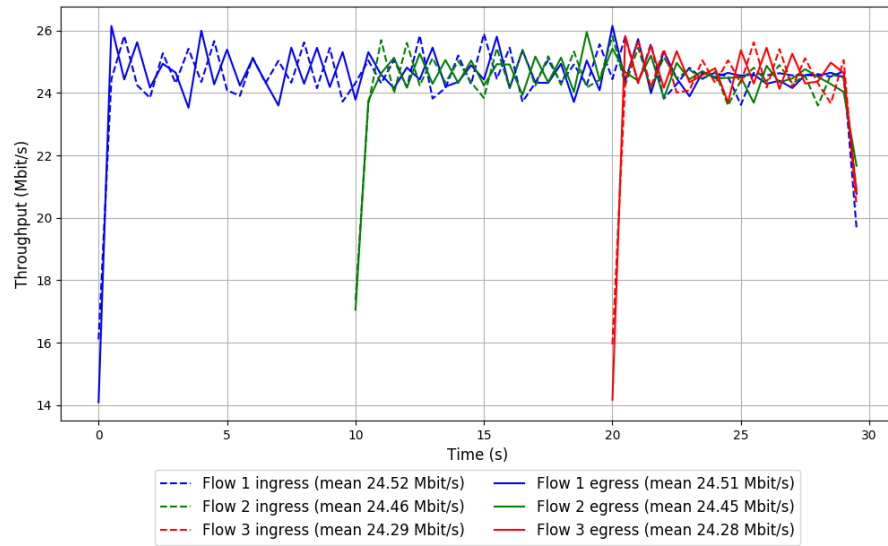


Run 10: Statistics of Sprout

Start at: 2018-03-06 18:50:07
End at: 2018-03-06 18:50:37
Local clock offset: 6.283 ms
Remote clock offset: 16.813 ms

Below is generated by plot.py at 2018-03-06 19:34:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 19.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 19.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 20.706 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

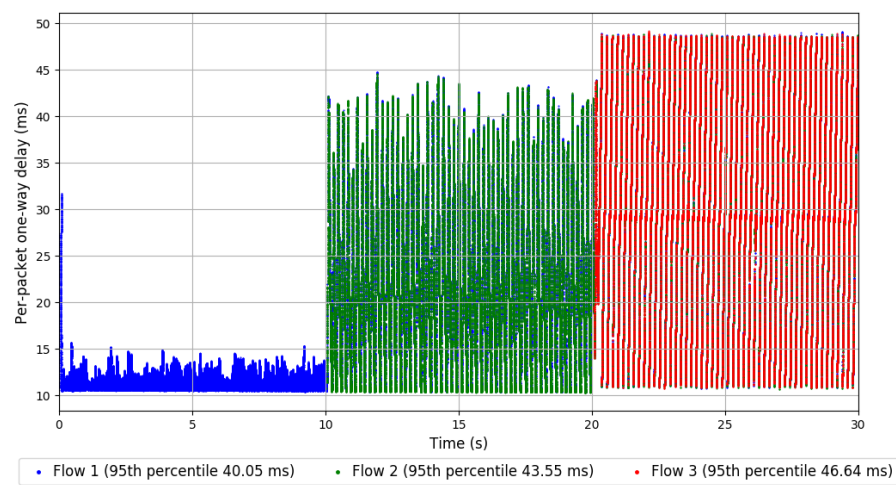
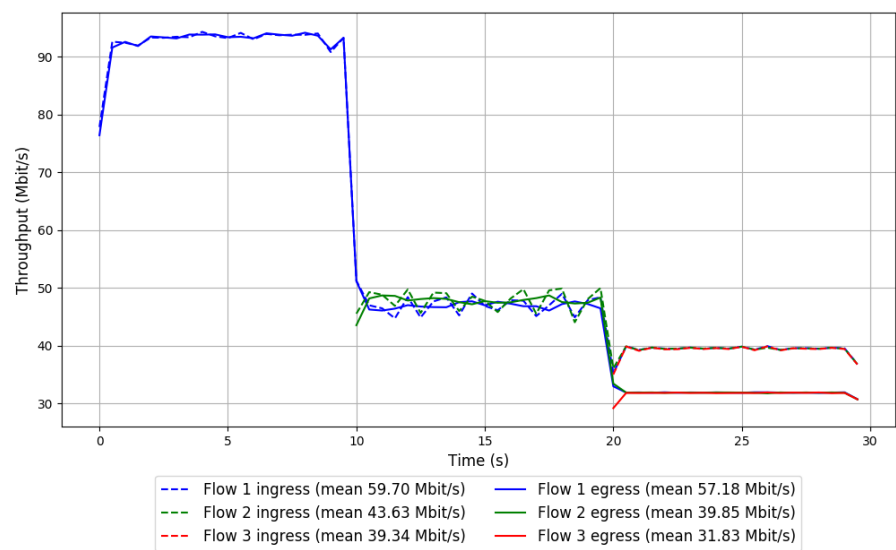


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-06 15:19:03
End at: 2018-03-06 15:19:33
Local clock offset: 5.162 ms
Remote clock offset: 3.192 ms

# Below is generated by plot.py at 2018-03-06 19:36:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 42.795 ms
Loss rate: 7.38%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 40.055 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 43.553 ms
Loss rate: 8.62%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 46.638 ms
Loss rate: 19.17%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-03-06 15:40:23

End at: 2018-03-06 15:40:53

Local clock offset: 3.735 ms

Remote clock offset: 8.267 ms

Below is generated by plot.py at 2018-03-06 19:36:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.00 Mbit/s

95th percentile per-packet one-way delay: 37.345 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 47.17 Mbit/s

95th percentile per-packet one-way delay: 34.472 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 46.25 Mbit/s

95th percentile per-packet one-way delay: 38.880 ms

Loss rate: 0.15%

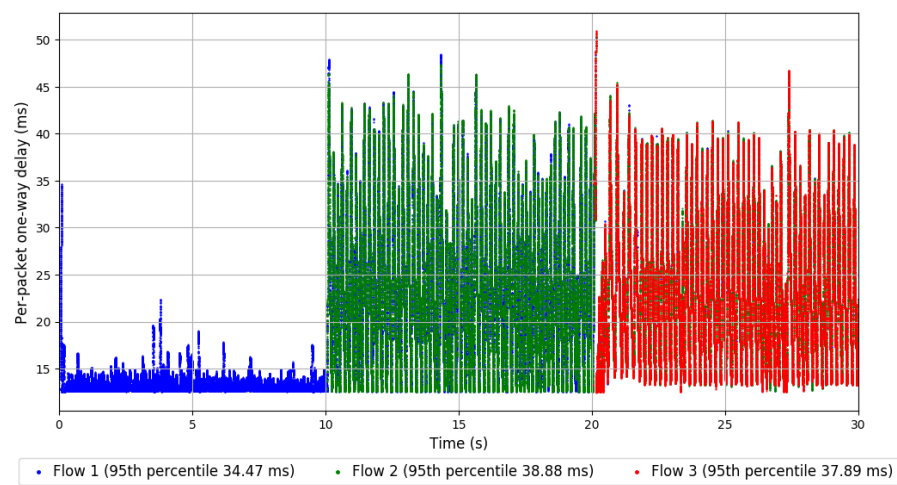
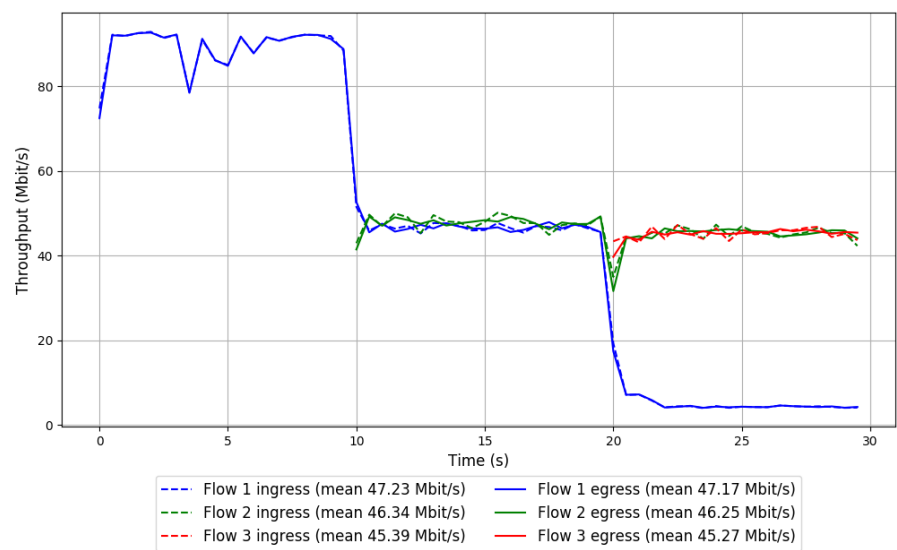
-- Flow 3:

Average throughput: 45.27 Mbit/s

95th percentile per-packet one-way delay: 37.892 ms

Loss rate: 0.19%

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

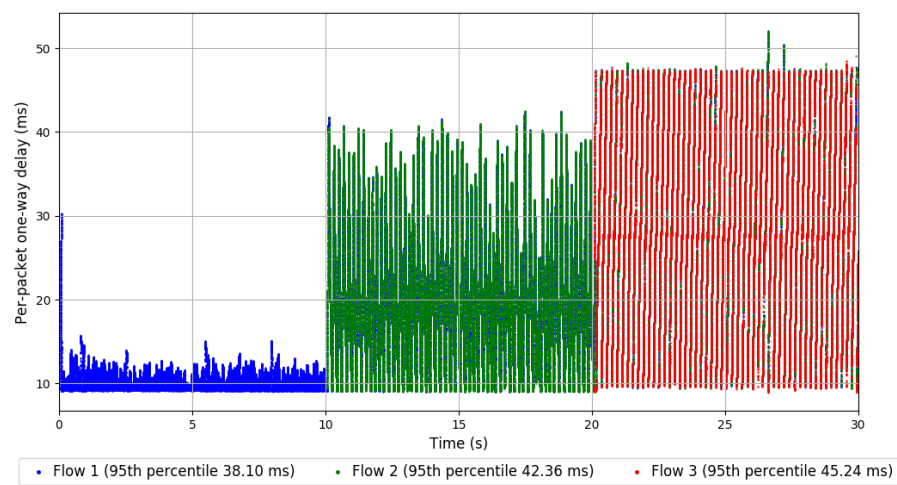
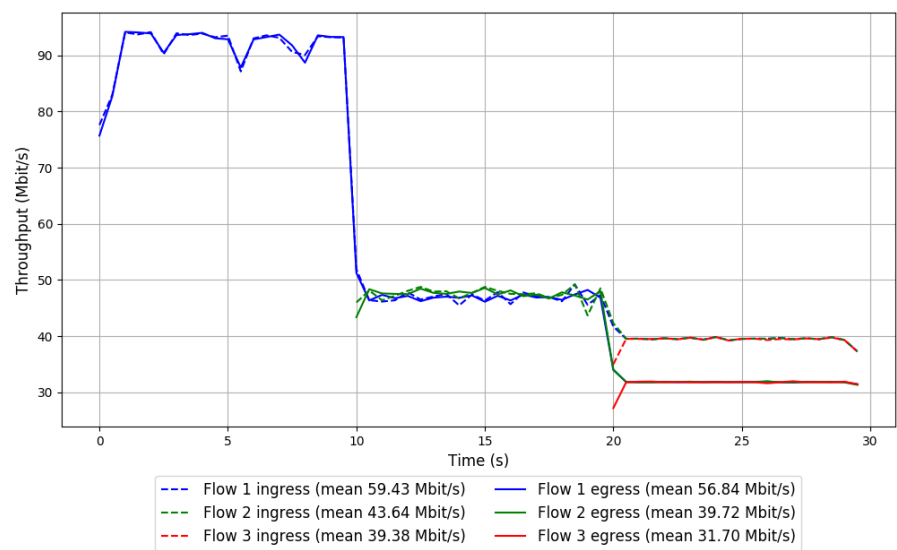


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-06 16:01:40
End at: 2018-03-06 16:02:10
Local clock offset: 7.008 ms
Remote clock offset: 17.788 ms

Below is generated by plot.py at 2018-03-06 19:36:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 41.438 ms
Loss rate: 7.56%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 38.102 ms
Loss rate: 4.31%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 42.356 ms
Loss rate: 8.88%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 45.243 ms
Loss rate: 19.40%

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

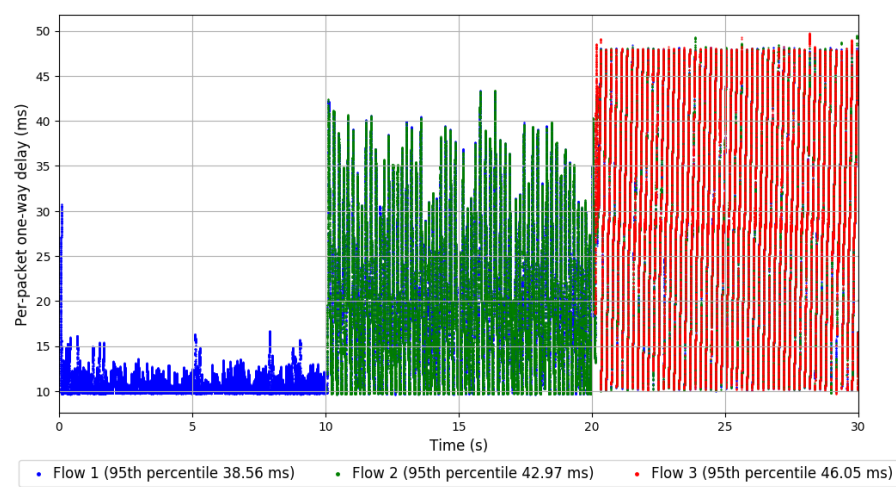
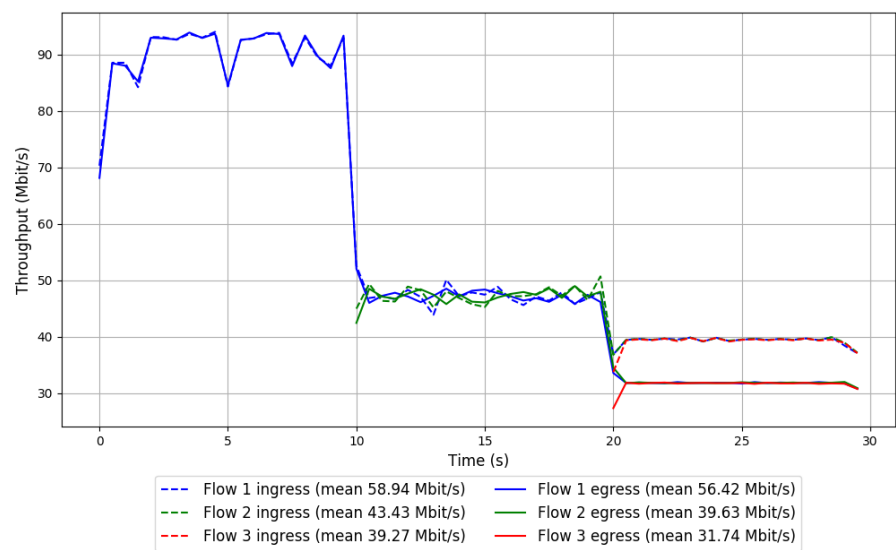


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-06 16:23:11
End at: 2018-03-06 16:23:41
Local clock offset: 5.297 ms
Remote clock offset: 21.581 ms

Below is generated by plot.py at 2018-03-06 19:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 42.165 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 38.563 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 42.968 ms
Loss rate: 8.70%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 46.052 ms
Loss rate: 19.29%

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

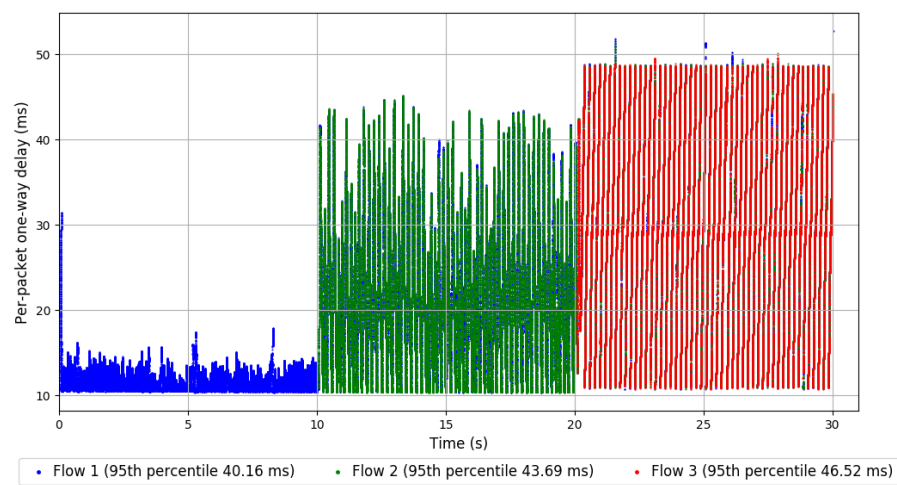
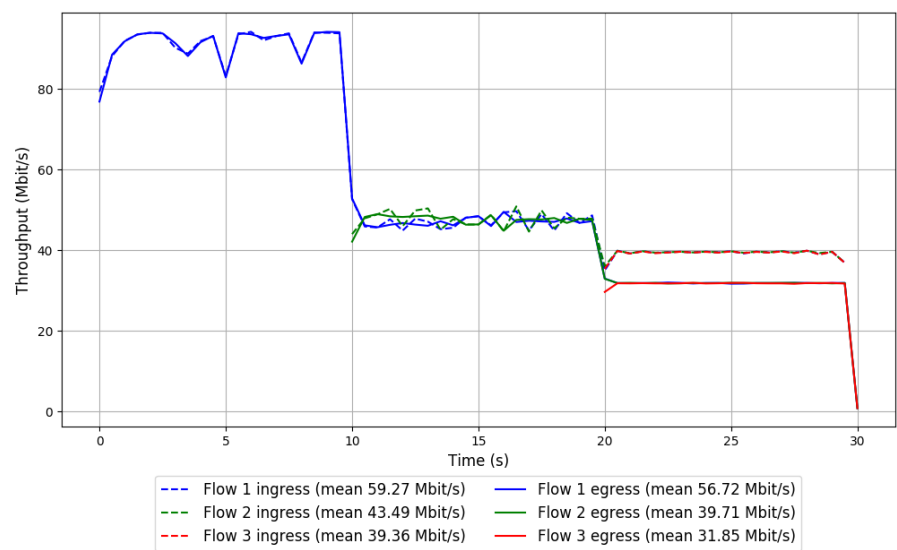


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-06 16:44:28
End at: 2018-03-06 16:44:58
Local clock offset: 4.413 ms
Remote clock offset: 25.886 ms

Below is generated by plot.py at 2018-03-06 19:37:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 42.839 ms
Loss rate: 7.32%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 40.165 ms
Loss rate: 4.17%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 43.689 ms
Loss rate: 8.55%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 46.524 ms
Loss rate: 18.91%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-03-06 17:05:32

End at: 2018-03-06 17:06:02

Local clock offset: 6.011 ms

Remote clock offset: 0.707 ms

Below is generated by plot.py at 2018-03-06 19:37:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 41.490 ms

Loss rate: 7.61%

-- Flow 1:

Average throughput: 56.15 Mbit/s

95th percentile per-packet one-way delay: 37.899 ms

Loss rate: 4.35%

-- Flow 2:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 42.356 ms

Loss rate: 8.79%

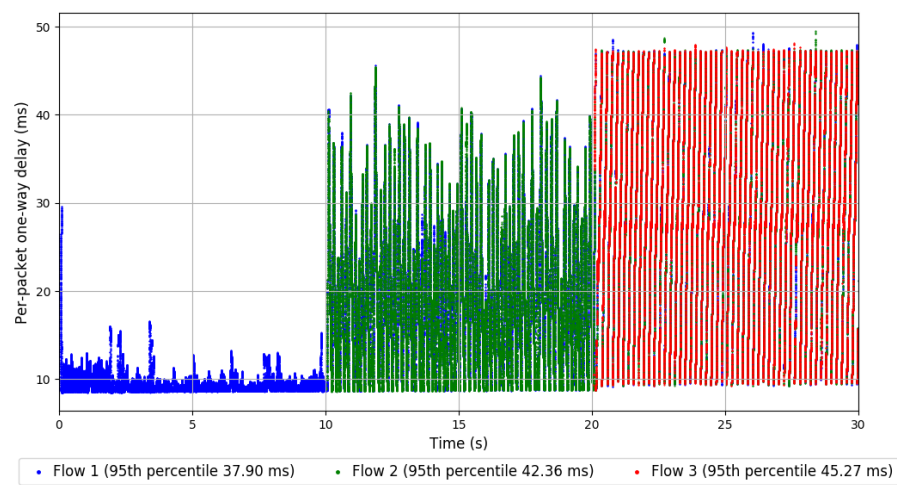
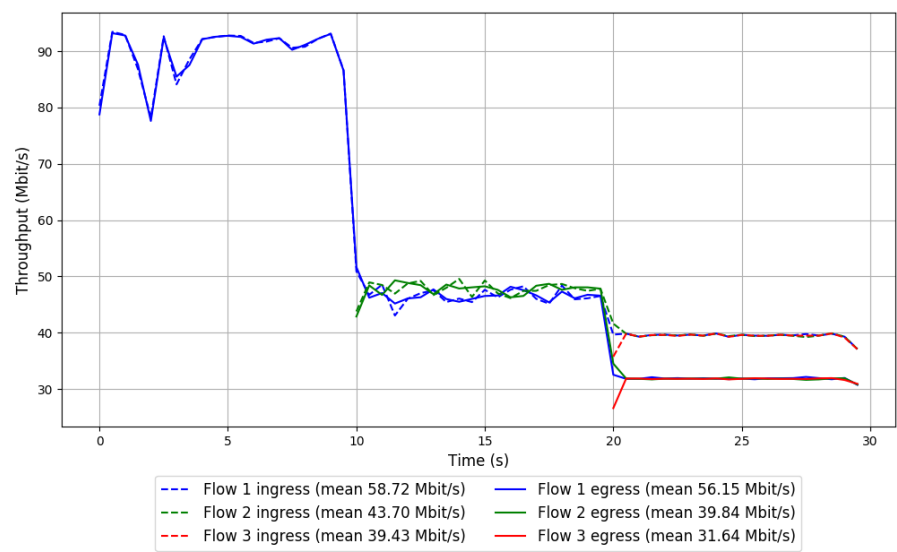
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 45.270 ms

Loss rate: 19.66%

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

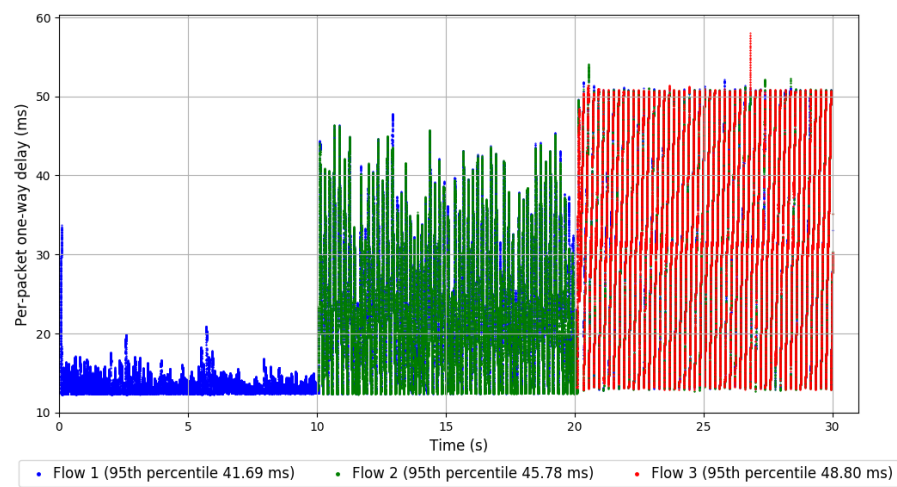
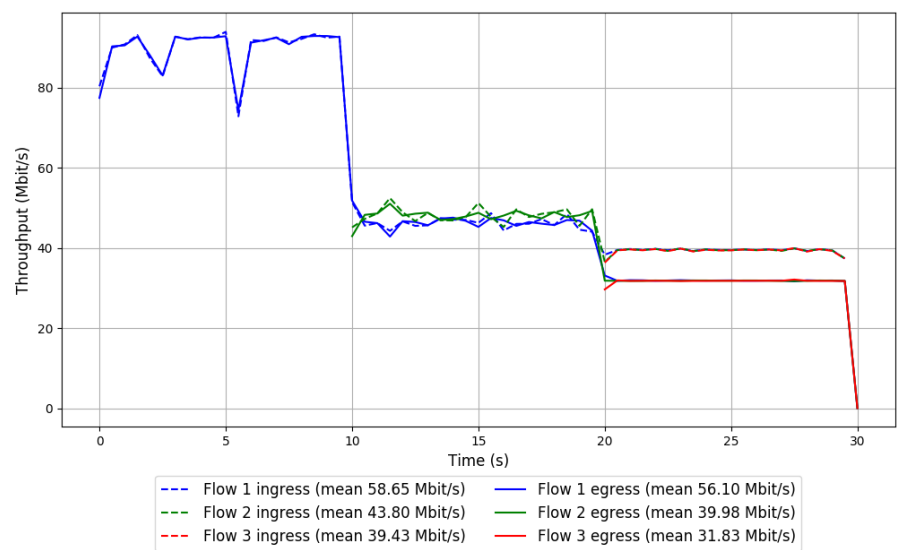


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-06 17:26:53
End at: 2018-03-06 17:27:23
Local clock offset: 2.419 ms
Remote clock offset: -10.049 ms

Below is generated by plot.py at 2018-03-06 19:37:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 45.007 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 41.694 ms
Loss rate: 4.28%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 45.778 ms
Loss rate: 8.62%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 48.802 ms
Loss rate: 19.16%

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

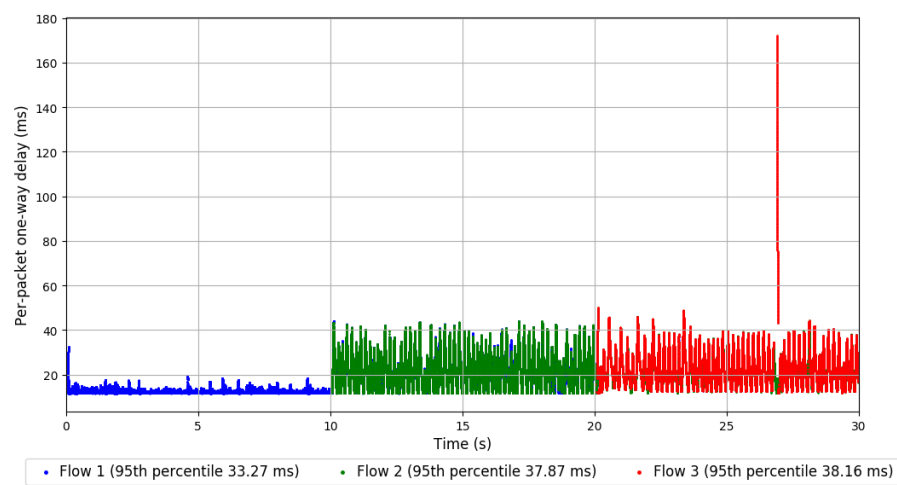
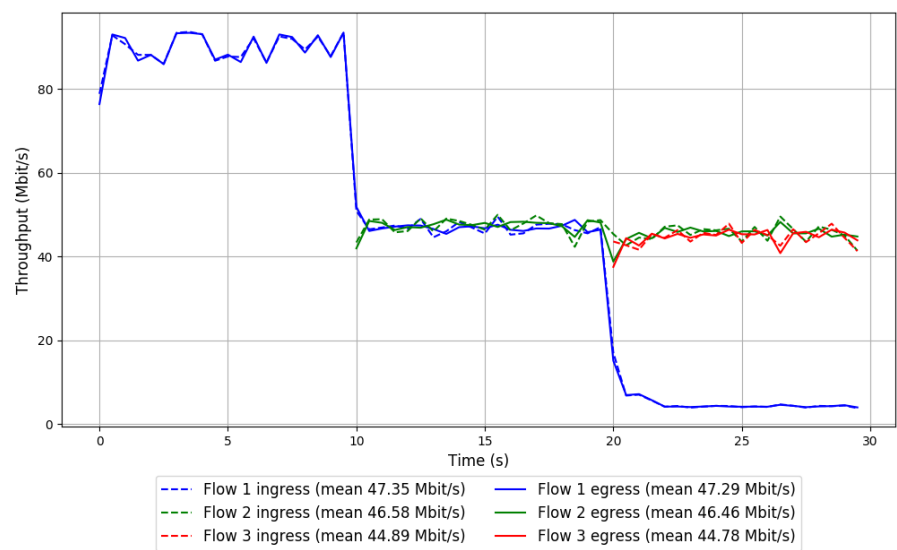


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-06 17:48:12
End at: 2018-03-06 17:48:42
Local clock offset: 2.605 ms
Remote clock offset: -17.888 ms

Below is generated by plot.py at 2018-03-06 19:37:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 36.586 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 33.267 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 37.867 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 44.78 Mbit/s
95th percentile per-packet one-way delay: 38.159 ms
Loss rate: 0.22%

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

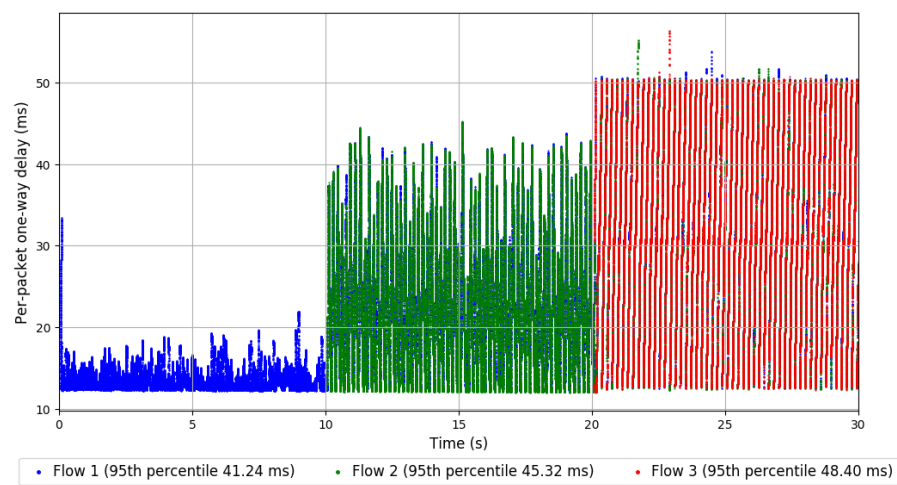
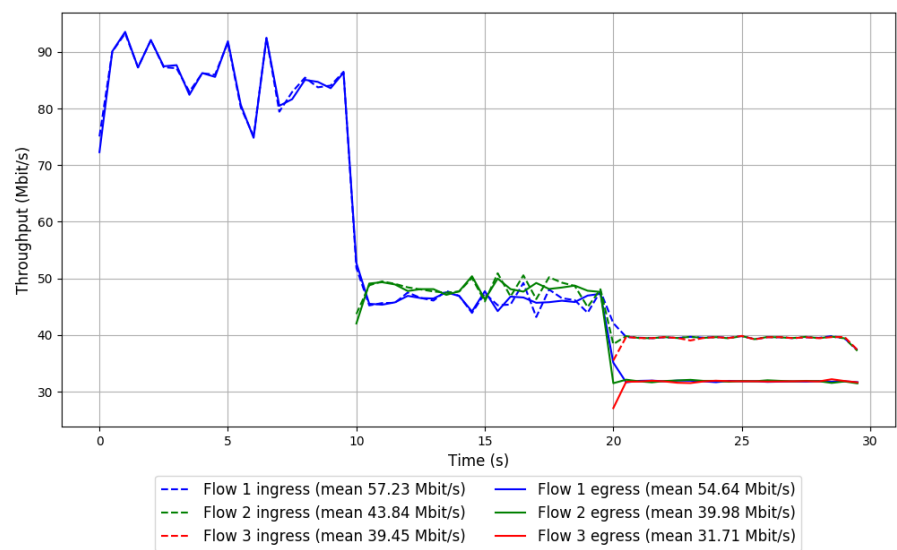


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-06 18:09:39
End at: 2018-03-06 18:10:09
Local clock offset: 3.49 ms
Remote clock offset: -5.521 ms

Below is generated by plot.py at 2018-03-06 19:39:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 44.652 ms
Loss rate: 7.70%
-- Flow 1:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 41.242 ms
Loss rate: 4.48%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 45.322 ms
Loss rate: 8.73%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 48.395 ms
Loss rate: 19.49%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-03-06 18:30:57

End at: 2018-03-06 18:31:27

Local clock offset: 4.882 ms

Remote clock offset: 1.116 ms

Below is generated by plot.py at 2018-03-06 19:39:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.03 Mbit/s

95th percentile per-packet one-way delay: 44.690 ms

Loss rate: 7.40%

-- Flow 1:

Average throughput: 56.21 Mbit/s

95th percentile per-packet one-way delay: 41.366 ms

Loss rate: 4.22%

-- Flow 2:

Average throughput: 39.43 Mbit/s

95th percentile per-packet one-way delay: 45.533 ms

Loss rate: 8.64%

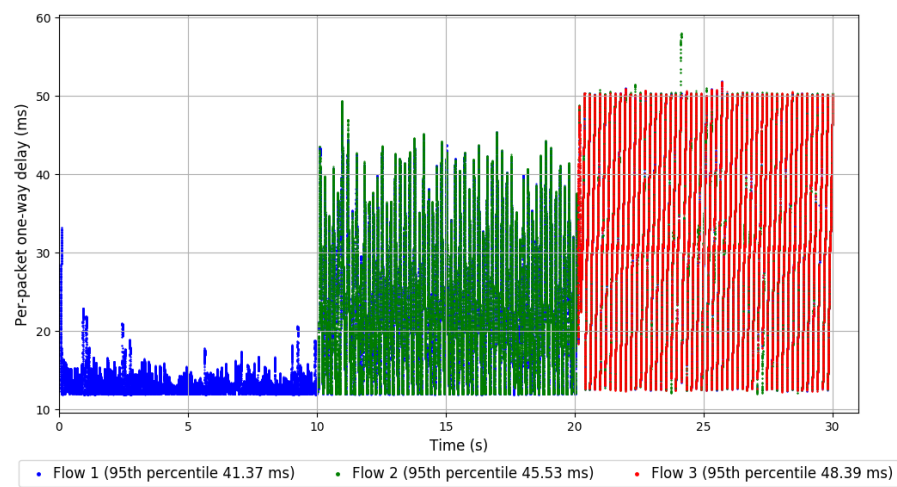
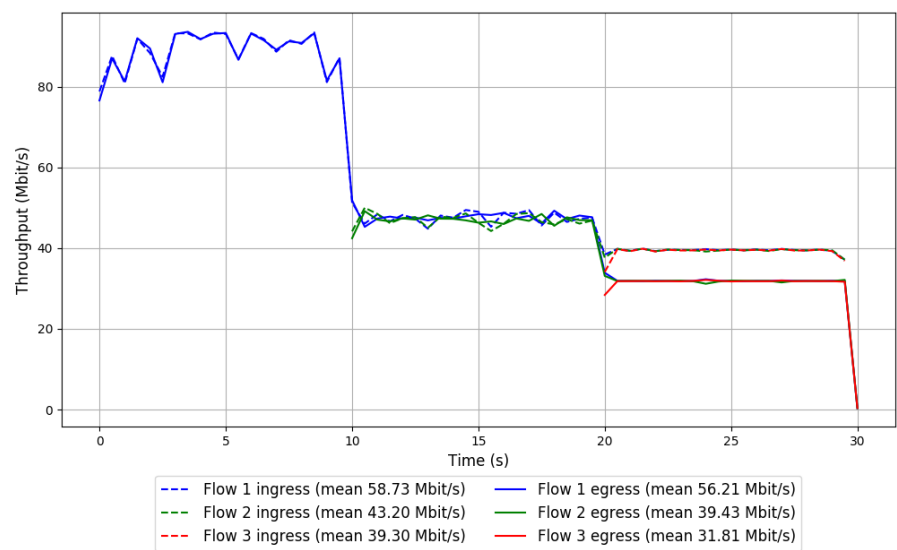
-- Flow 3:

Average throughput: 31.81 Mbit/s

95th percentile per-packet one-way delay: 48.394 ms

Loss rate: 18.98%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-03-06 15:26:24

End at: 2018-03-06 15:26:54

Local clock offset: 0.26 ms

Remote clock offset: 4.038 ms

Below is generated by plot.py at 2018-03-06 19:39:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.99 Mbit/s

95th percentile per-packet one-way delay: 23.443 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.84 Mbit/s

95th percentile per-packet one-way delay: 24.945 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.45 Mbit/s

95th percentile per-packet one-way delay: 18.713 ms

Loss rate: 0.00%

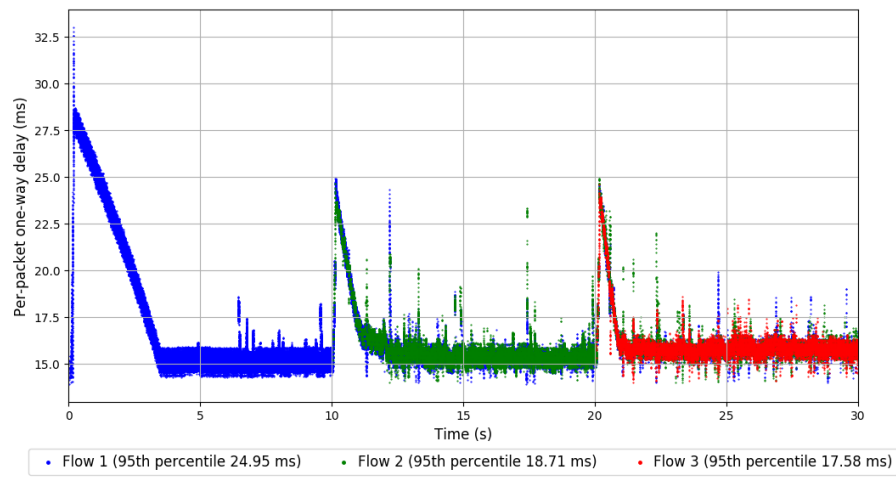
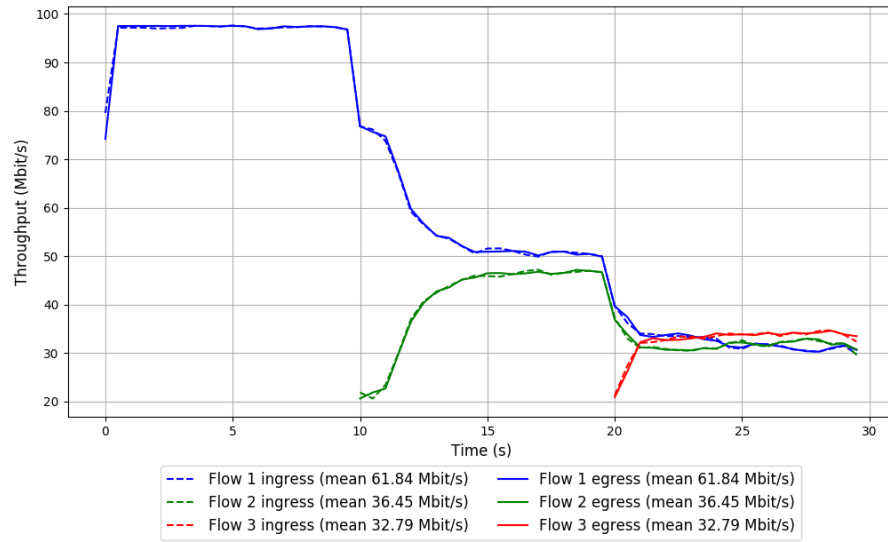
-- Flow 3:

Average throughput: 32.79 Mbit/s

95th percentile per-packet one-way delay: 17.577 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-03-06 15:47:43

End at: 2018-03-06 15:48:13

Local clock offset: 2.725 ms

Remote clock offset: 12.07 ms

Below is generated by plot.py at 2018-03-06 19:39:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 22.877 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.79 Mbit/s

95th percentile per-packet one-way delay: 24.724 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.91 Mbit/s

95th percentile per-packet one-way delay: 17.093 ms

Loss rate: 0.00%

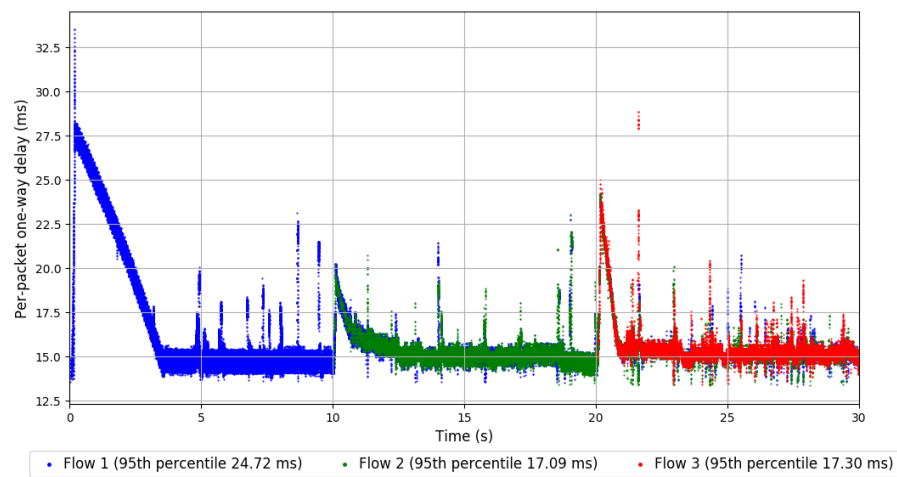
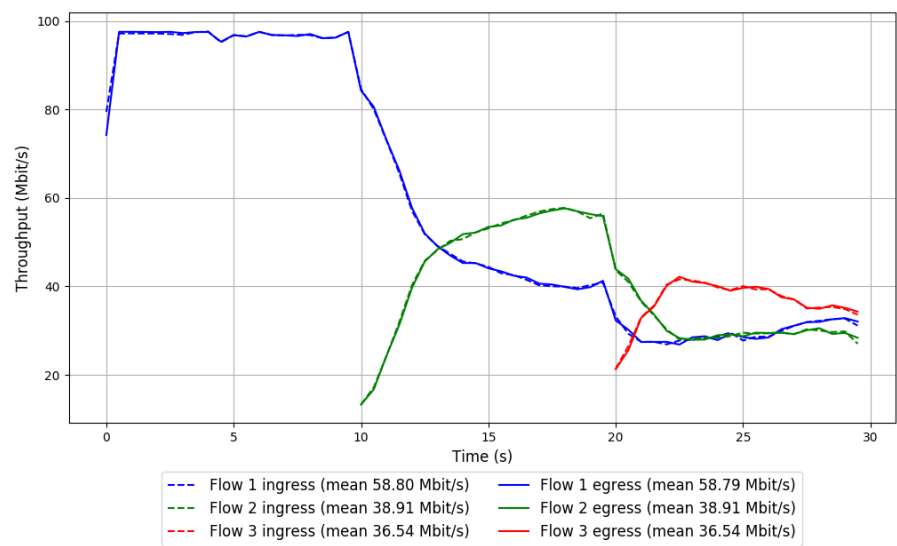
-- Flow 3:

Average throughput: 36.54 Mbit/s

95th percentile per-packet one-way delay: 17.305 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

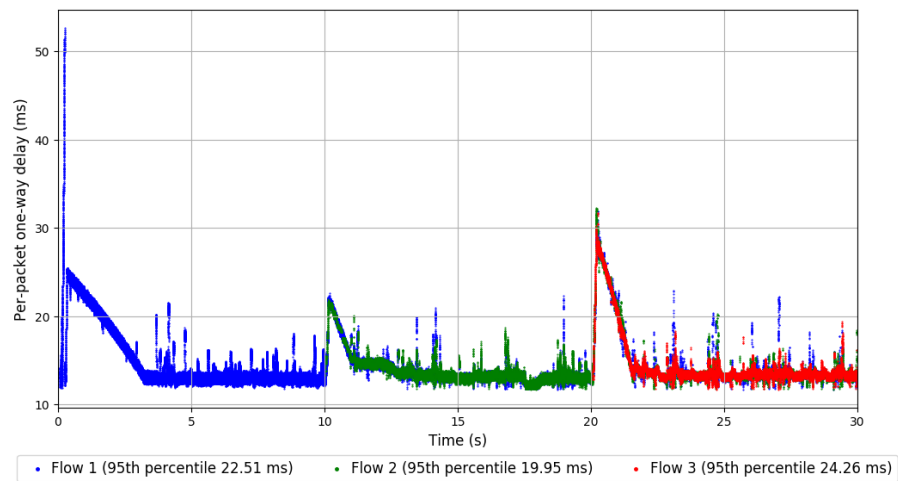
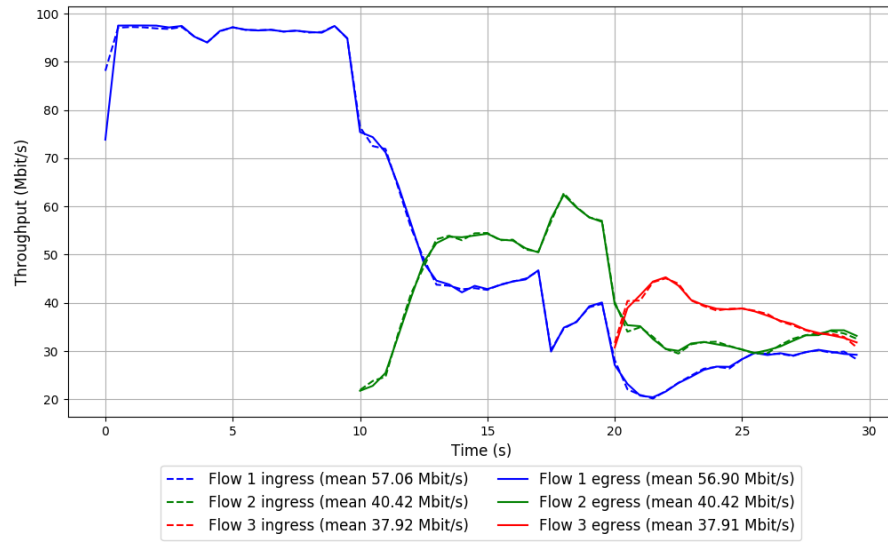


Run 3: Statistics of TCP Vegas

Start at: 2018-03-06 16:08:59
End at: 2018-03-06 16:09:29
Local clock offset: 3.176 ms
Remote clock offset: 18.571 ms

Below is generated by plot.py at 2018-03-06 19:39:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 22.208 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.90 Mbit/s
95th percentile per-packet one-way delay: 22.509 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 19.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 24.261 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

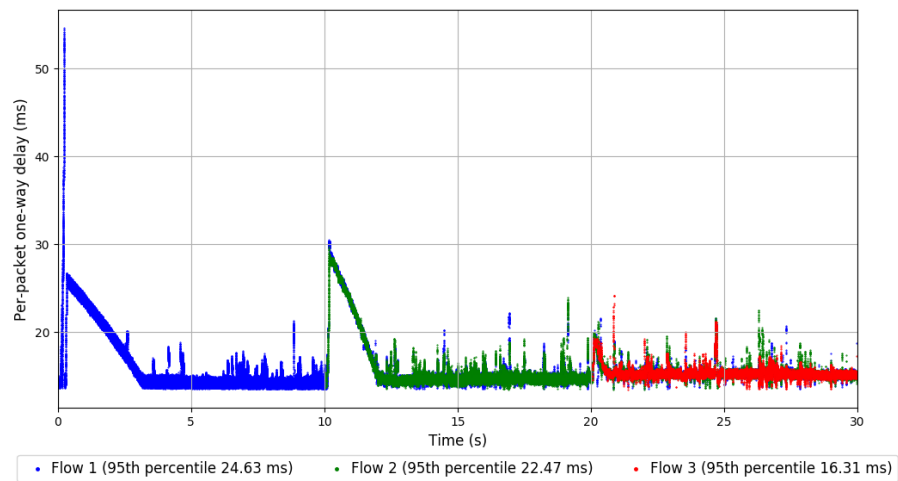
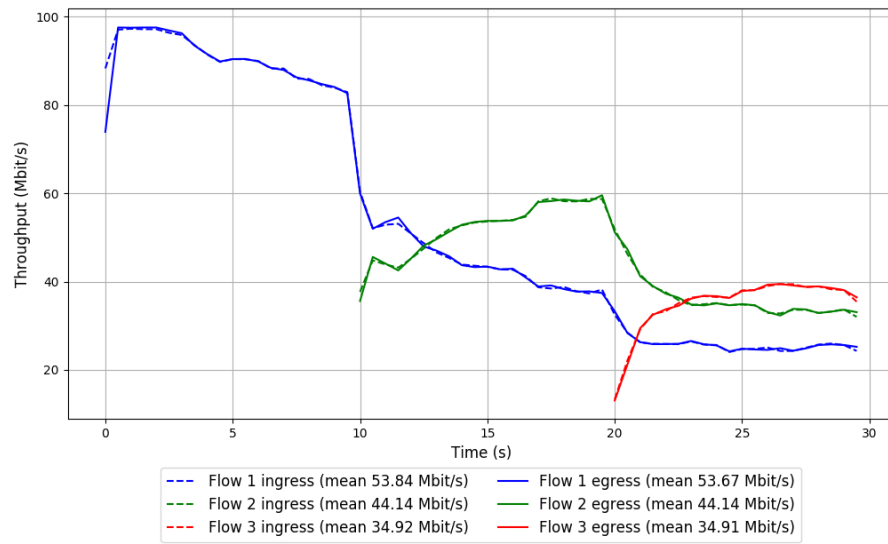


Run 4: Statistics of TCP Vegas

Start at: 2018-03-06 16:30:31
End at: 2018-03-06 16:31:01
Local clock offset: 1.929 ms
Remote clock offset: 23.647 ms

Below is generated by plot.py at 2018-03-06 19:39:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 23.843 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.67 Mbit/s
95th percentile per-packet one-way delay: 24.629 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 22.470 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 16.314 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

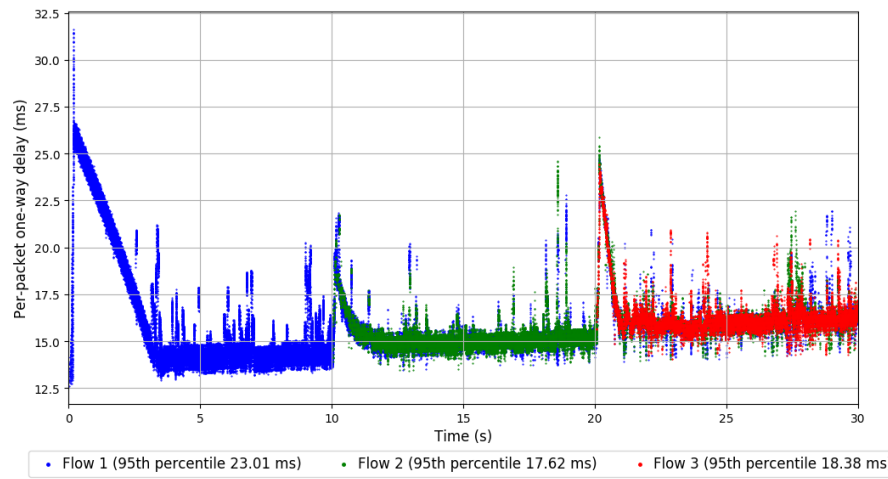
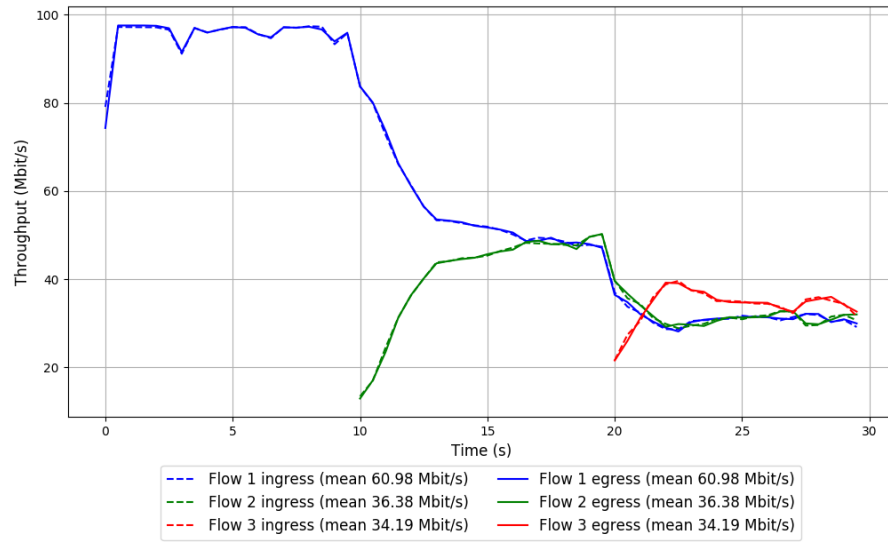


Run 5: Statistics of TCP Vegas

Start at: 2018-03-06 16:51:38
End at: 2018-03-06 16:52:08
Local clock offset: 2.226 ms
Remote clock offset: 26.298 ms

Below is generated by plot.py at 2018-03-06 19:39:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 21.712 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 23.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 17.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 18.382 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

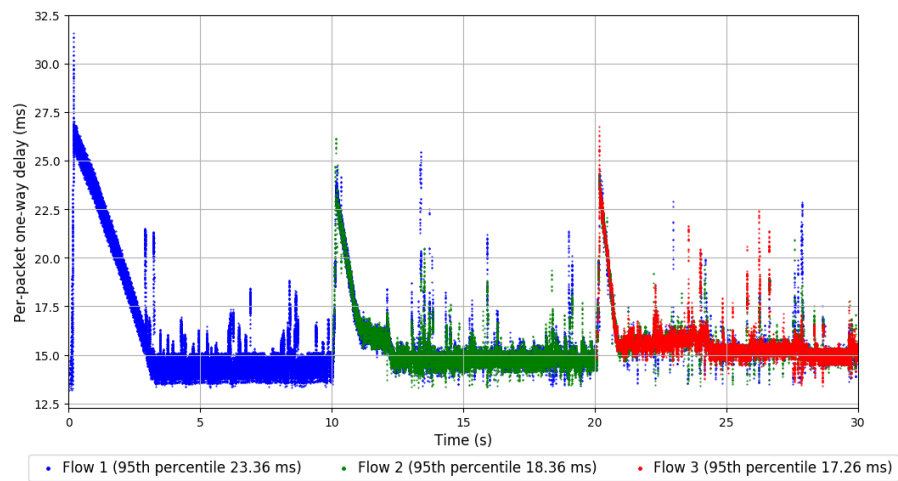
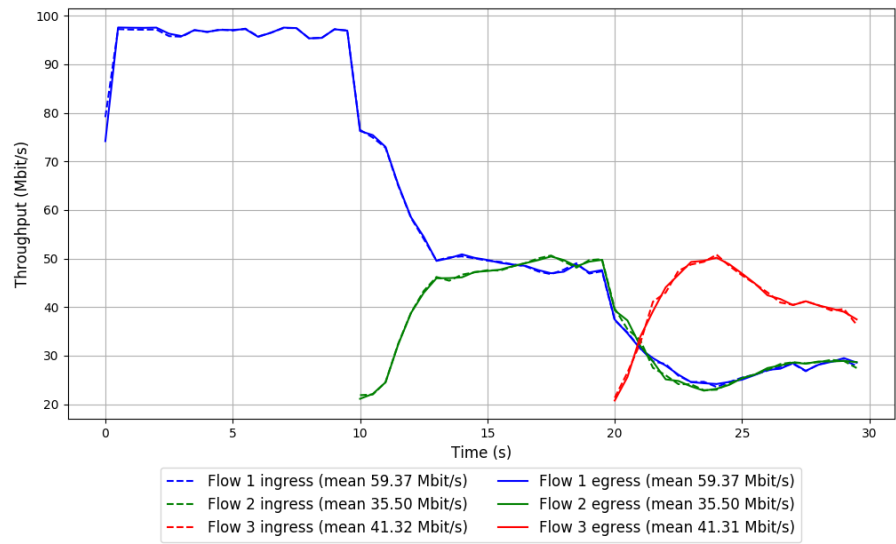


Run 6: Statistics of TCP Vegas

Start at: 2018-03-06 17:12:52
End at: 2018-03-06 17:13:22
Local clock offset: 0.515 ms
Remote clock offset: -5.051 ms

Below is generated by plot.py at 2018-03-06 19:39:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 22.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 23.363 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.50 Mbit/s
95th percentile per-packet one-way delay: 18.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 17.264 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

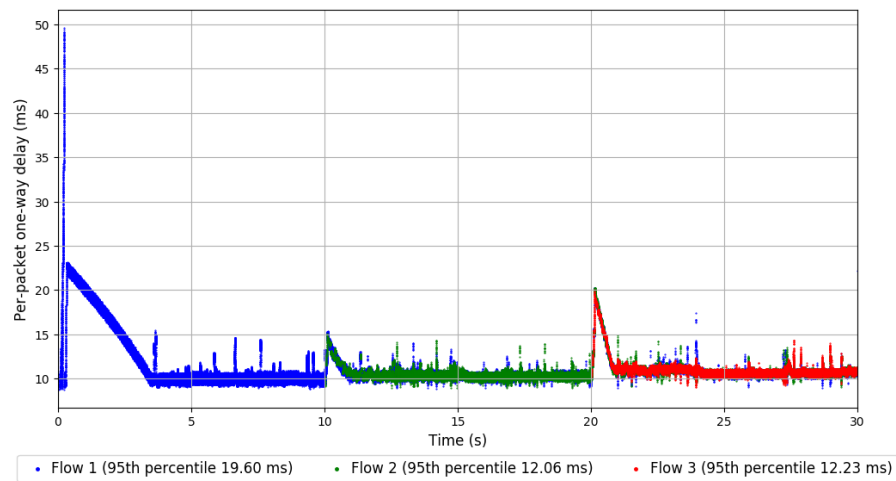
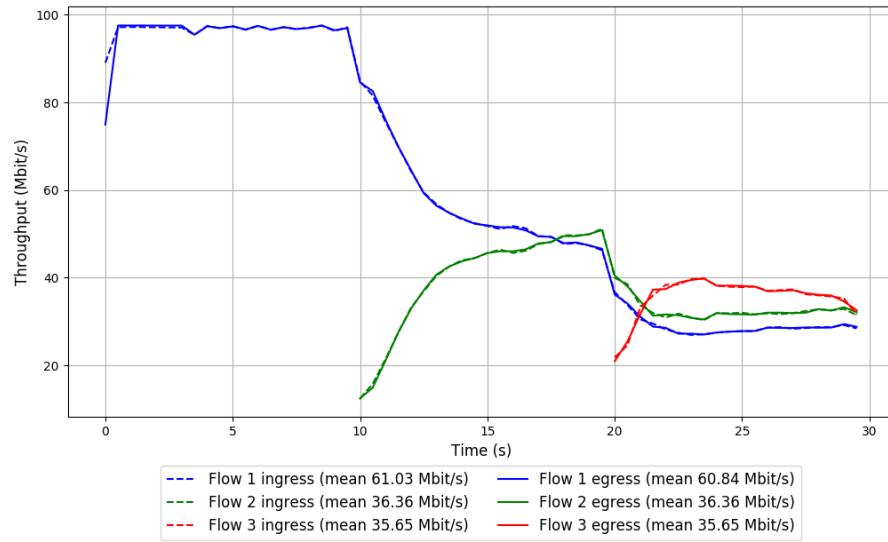


Run 7: Statistics of TCP Vegas

Start at: 2018-03-06 17:34:11
End at: 2018-03-06 17:34:41
Local clock offset: 5.073 ms
Remote clock offset: -13.174 ms

Below is generated by plot.py at 2018-03-06 19:39:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 18.037 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 60.84 Mbit/s
95th percentile per-packet one-way delay: 19.604 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 12.062 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 12.231 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

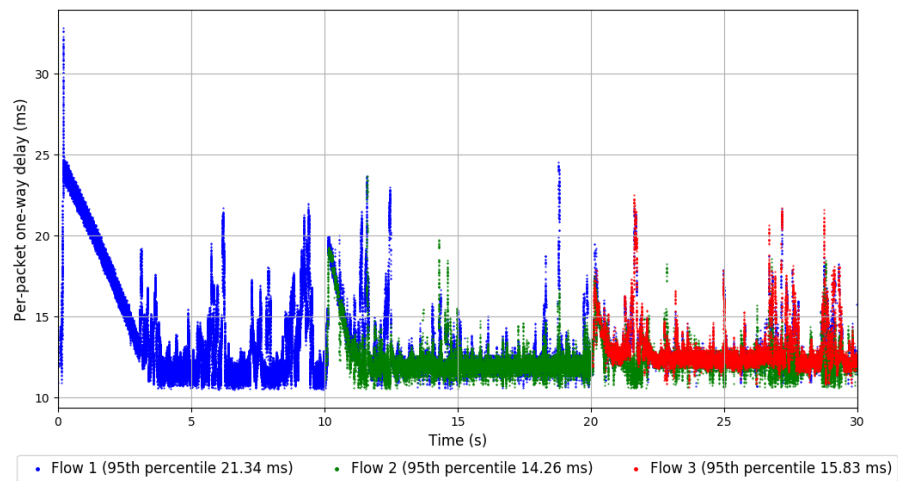
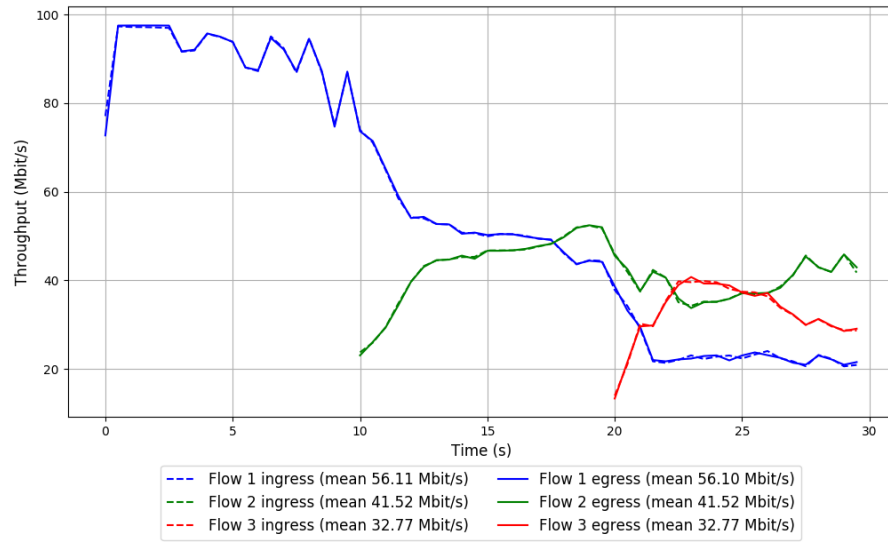


Run 8: Statistics of TCP Vegas

Start at: 2018-03-06 17:55:31
End at: 2018-03-06 17:56:01
Local clock offset: 5.67 ms
Remote clock offset: -18.421 ms

Below is generated by plot.py at 2018-03-06 19:39:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 19.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 21.340 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 14.256 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 15.826 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

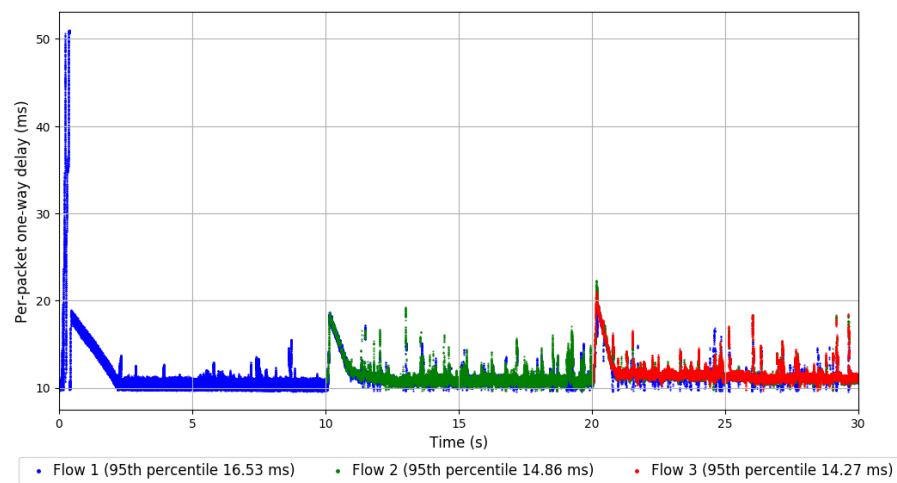
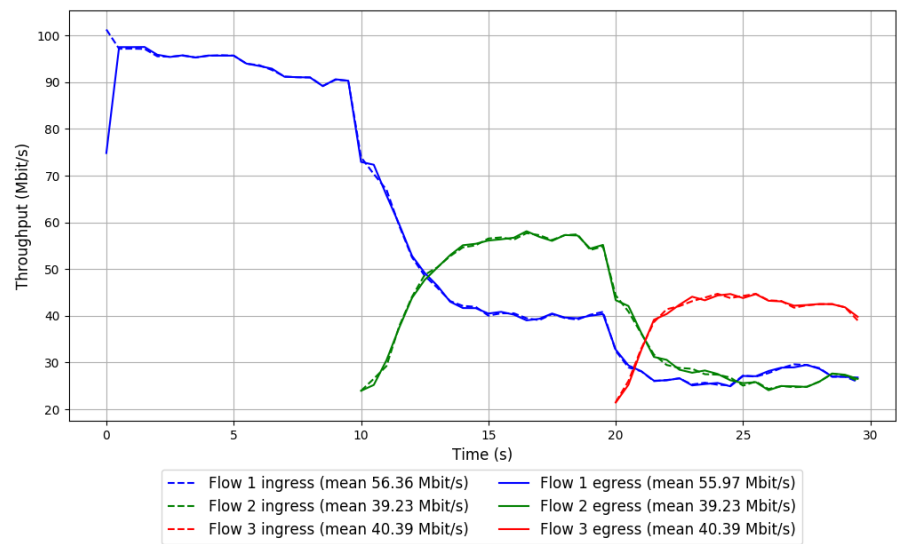


Run 9: Statistics of TCP Vegas

Start at: 2018-03-06 18:16:57
End at: 2018-03-06 18:17:27
Local clock offset: 6.345 ms
Remote clock offset: -2.009 ms

Below is generated by plot.py at 2018-03-06 19:40:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 15.943 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 16.529 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 14.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 14.272 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-06 18:38:16

End at: 2018-03-06 18:38:46

Local clock offset: 7.262 ms

Remote clock offset: 7.42 ms

Below is generated by plot.py at 2018-03-06 19:40:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 17.908 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 54.13 Mbit/s

95th percentile per-packet one-way delay: 19.765 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 41.81 Mbit/s

95th percentile per-packet one-way delay: 14.103 ms

Loss rate: 0.00%

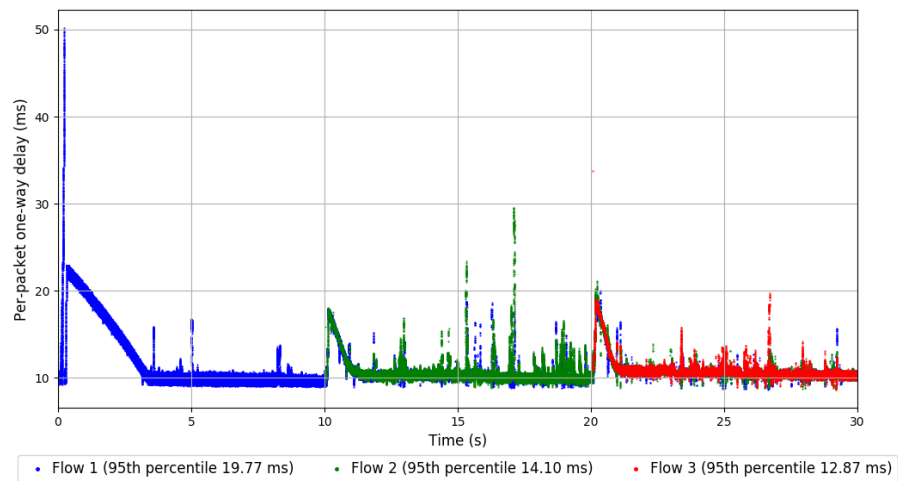
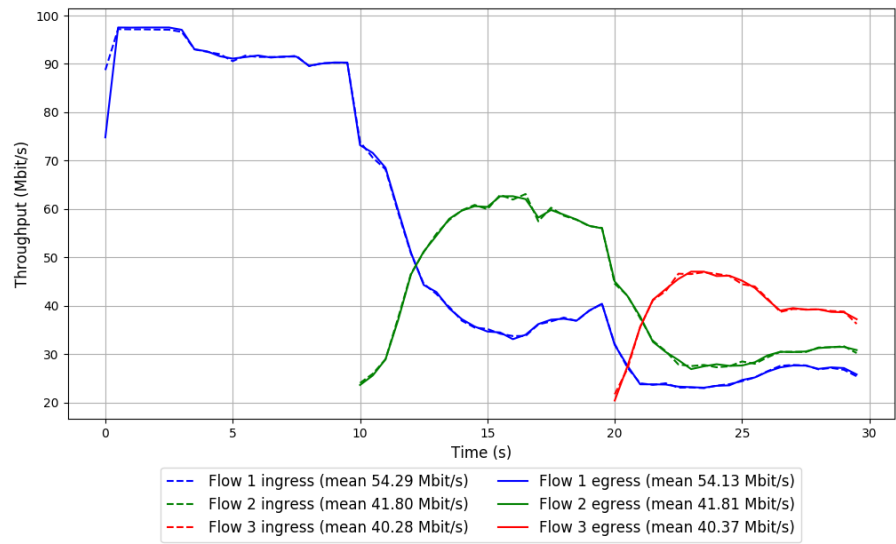
-- Flow 3:

Average throughput: 40.37 Mbit/s

95th percentile per-packet one-way delay: 12.866 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-03-06 15:22:44

End at: 2018-03-06 15:23:14

Local clock offset: 8.285 ms

Remote clock offset: 4.93 ms

Below is generated by plot.py at 2018-03-06 19:40:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.38 Mbit/s

95th percentile per-packet one-way delay: 42.979 ms

Loss rate: 23.19%

-- Flow 1:

Average throughput: 65.22 Mbit/s

95th percentile per-packet one-way delay: 41.367 ms

Loss rate: 12.58%

-- Flow 2:

Average throughput: 22.94 Mbit/s

95th percentile per-packet one-way delay: 44.742 ms

Loss rate: 34.64%

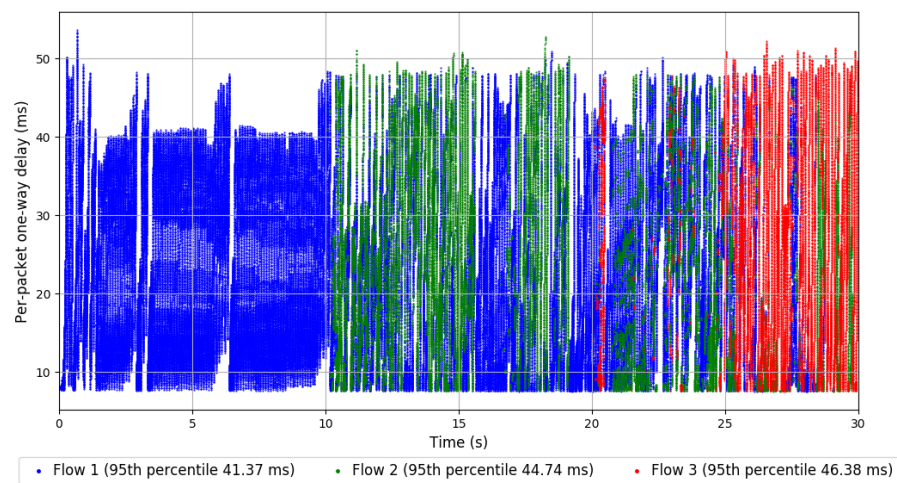
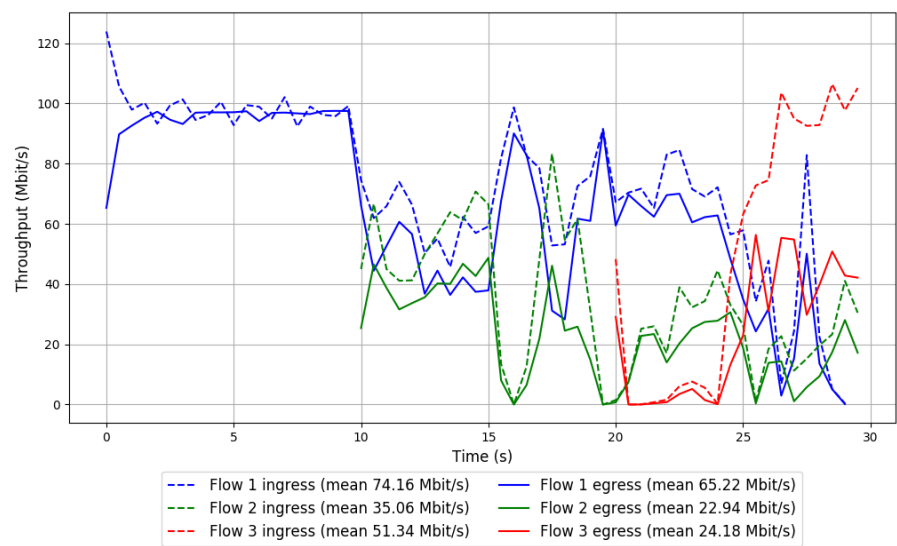
-- Flow 3:

Average throughput: 24.18 Mbit/s

95th percentile per-packet one-way delay: 46.383 ms

Loss rate: 52.84%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-06 15:44:06

End at: 2018-03-06 15:44:36

Local clock offset: 7.433 ms

Remote clock offset: 9.638 ms

Below is generated by plot.py at 2018-03-06 19:40:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.76 Mbit/s

95th percentile per-packet one-way delay: 46.172 ms

Loss rate: 53.15%

-- Flow 1:

Average throughput: 54.94 Mbit/s

95th percentile per-packet one-way delay: 45.387 ms

Loss rate: 47.31%

-- Flow 2:

Average throughput: 20.96 Mbit/s

95th percentile per-packet one-way delay: 48.634 ms

Loss rate: 70.31%

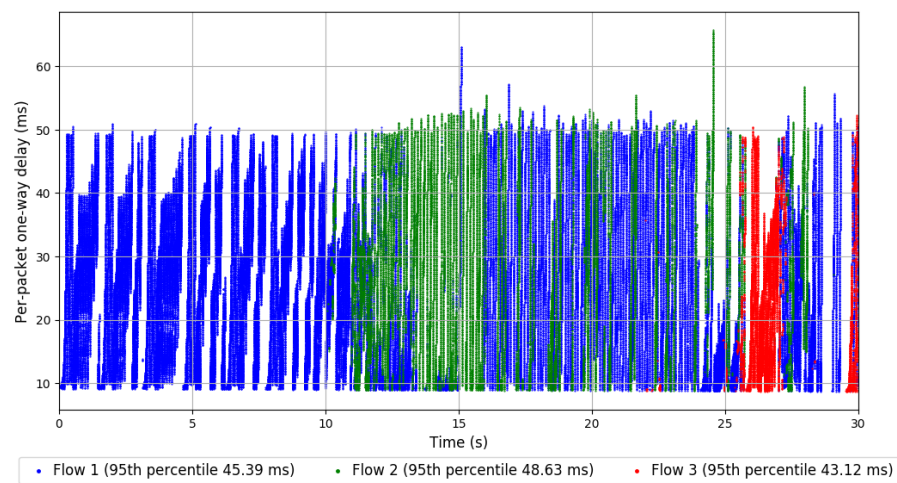
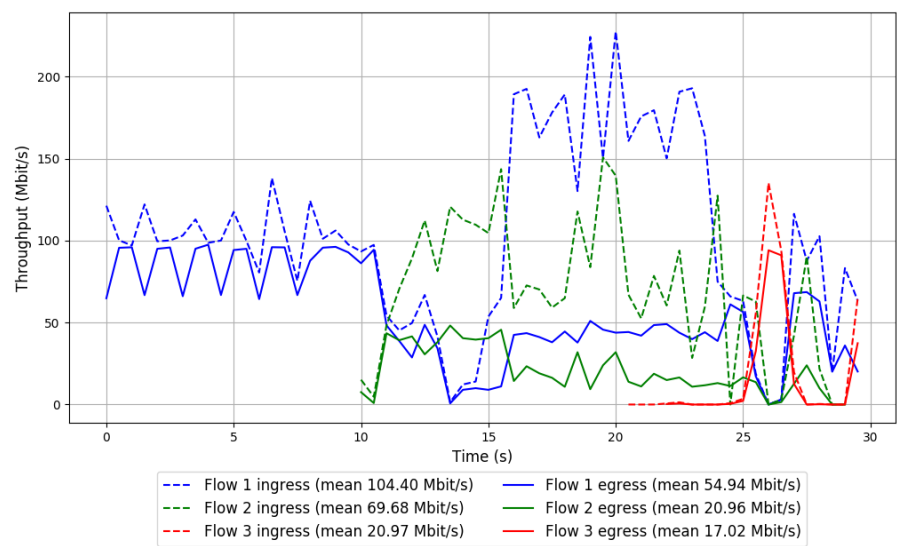
-- Flow 3:

Average throughput: 17.02 Mbit/s

95th percentile per-packet one-way delay: 43.120 ms

Loss rate: 27.80%

Run 2: Report of Verus — Data Link

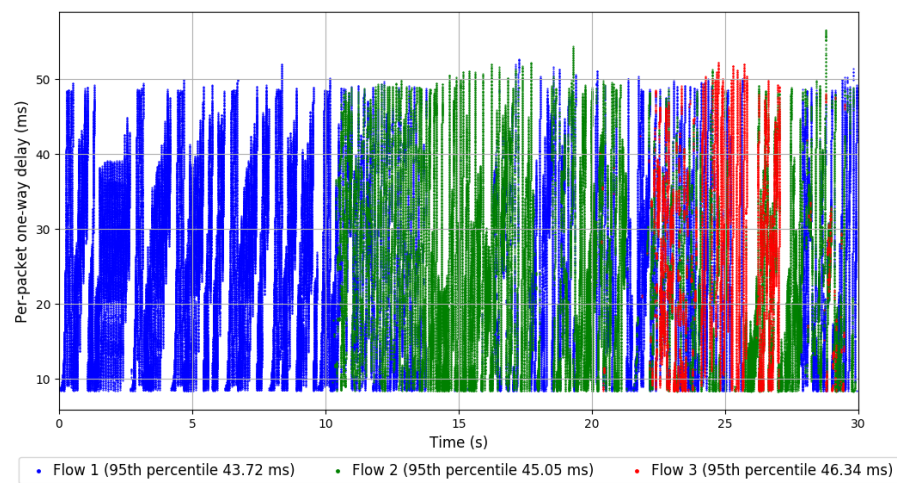
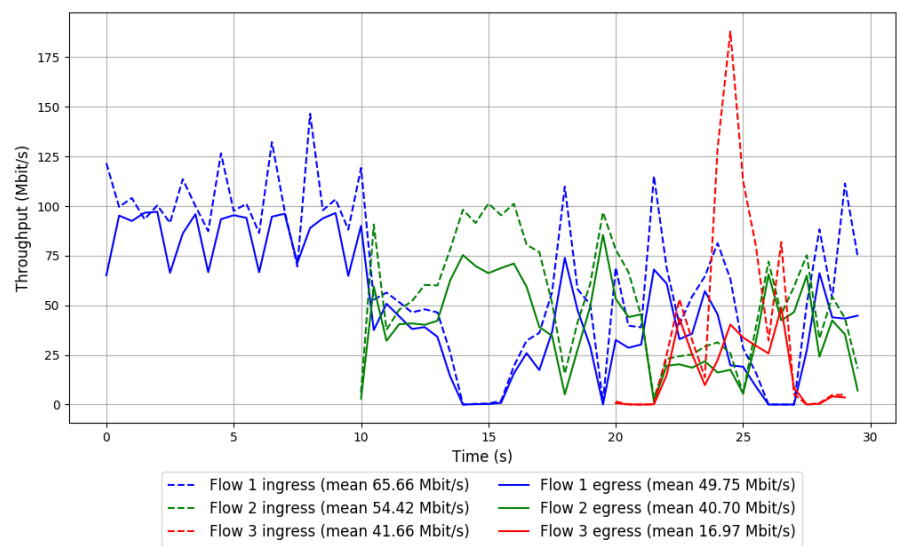


Run 3: Statistics of Verus

Start at: 2018-03-06 16:05:20
End at: 2018-03-06 16:05:50
Local clock offset: 6.634 ms
Remote clock offset: 17.914 ms

Below is generated by plot.py at 2018-03-06 19:40:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: 44.410 ms
Loss rate: 28.54%
-- Flow 1:
Average throughput: 49.75 Mbit/s
95th percentile per-packet one-way delay: 43.721 ms
Loss rate: 24.24%
-- Flow 2:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 45.050 ms
Loss rate: 25.42%
-- Flow 3:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 46.339 ms
Loss rate: 59.32%

Run 3: Report of Verus — Data Link

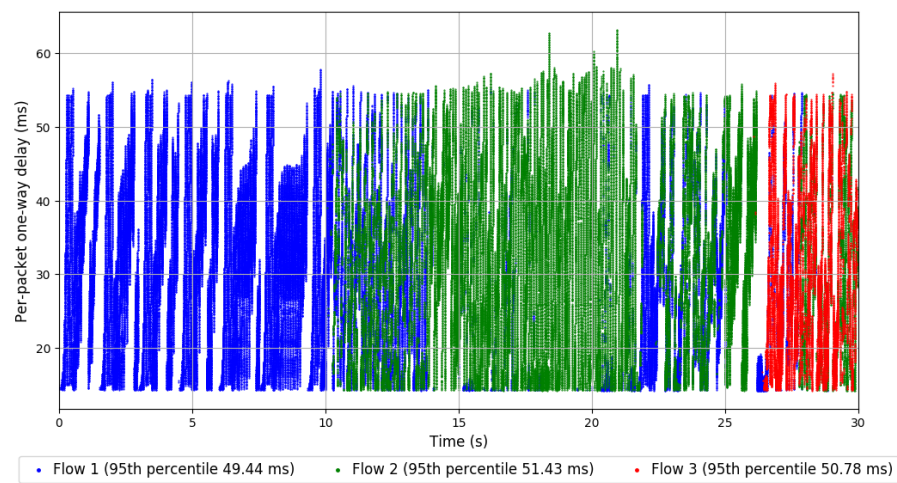
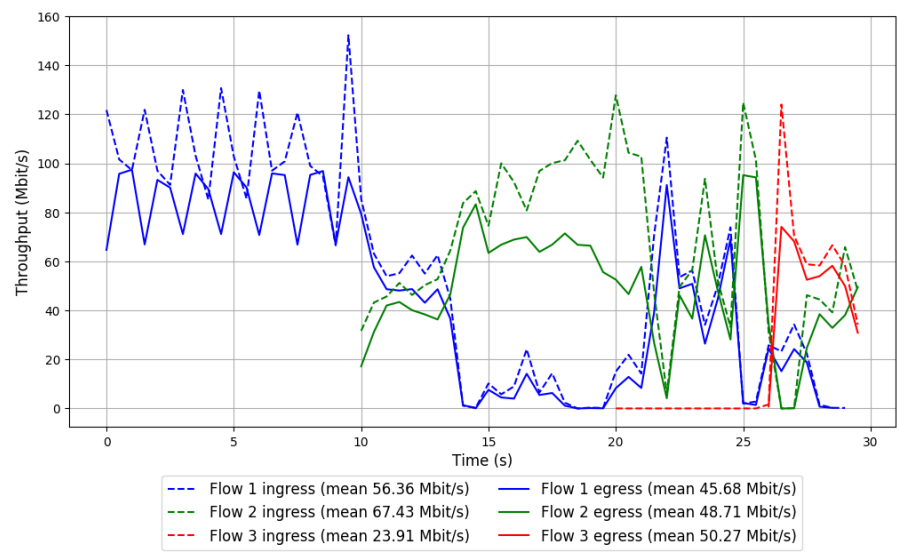


Run 4: Statistics of Verus

Start at: 2018-03-06 16:26:56
End at: 2018-03-06 16:27:26
Local clock offset: 1.474 ms
Remote clock offset: 23.129 ms

Below is generated by plot.py at 2018-03-06 19:40:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 50.435 ms
Loss rate: 22.95%
-- Flow 1:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 49.444 ms
Loss rate: 19.75%
-- Flow 2:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 51.426 ms
Loss rate: 27.80%
-- Flow 3:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 50.777 ms
Loss rate: 17.75%

Run 4: Report of Verus — Data Link

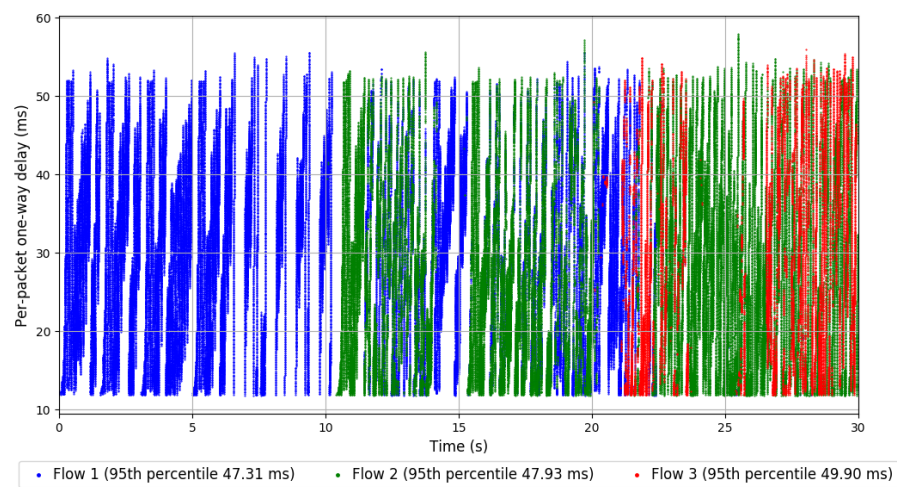
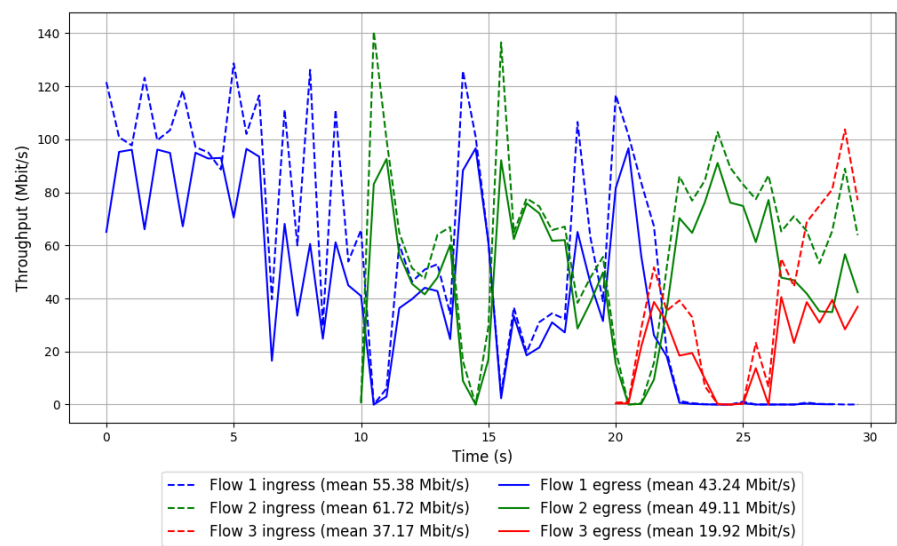


Run 5: Statistics of Verus

Start at: 2018-03-06 16:48:05
End at: 2018-03-06 16:48:35
Local clock offset: 3.714 ms
Remote clock offset: 27.486 ms

Below is generated by plot.py at 2018-03-06 19:41:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 47.860 ms
Loss rate: 25.71%
-- Flow 1:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 47.308 ms
Loss rate: 25.02%
-- Flow 2:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 47.929 ms
Loss rate: 20.46%
-- Flow 3:
Average throughput: 19.92 Mbit/s
95th percentile per-packet one-way delay: 49.897 ms
Loss rate: 46.44%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-03-06 17:09:13

End at: 2018-03-06 17:09:43

Local clock offset: 3.573 ms

Remote clock offset: -2.46 ms

Below is generated by plot.py at 2018-03-06 19:41:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.46 Mbit/s

95th percentile per-packet one-way delay: 48.536 ms

Loss rate: 46.88%

-- Flow 1:

Average throughput: 48.58 Mbit/s

95th percentile per-packet one-way delay: 45.176 ms

Loss rate: 25.64%

-- Flow 2:

Average throughput: 33.65 Mbit/s

95th percentile per-packet one-way delay: 54.156 ms

Loss rate: 66.83%

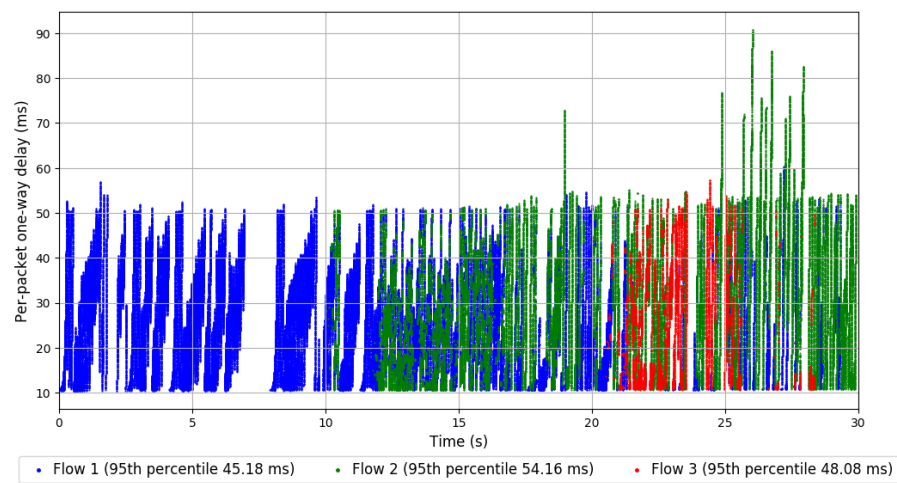
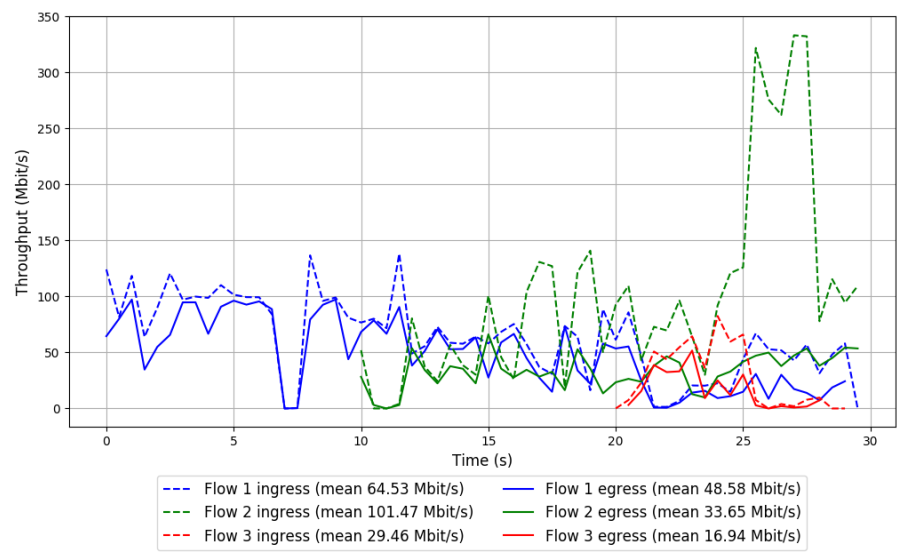
-- Flow 3:

Average throughput: 16.94 Mbit/s

95th percentile per-packet one-way delay: 48.079 ms

Loss rate: 48.83%

Run 6: Report of Verus — Data Link

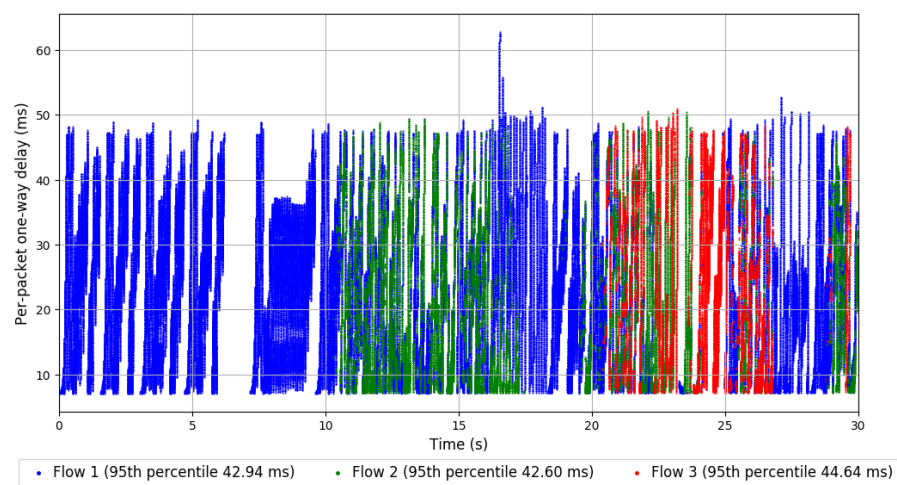
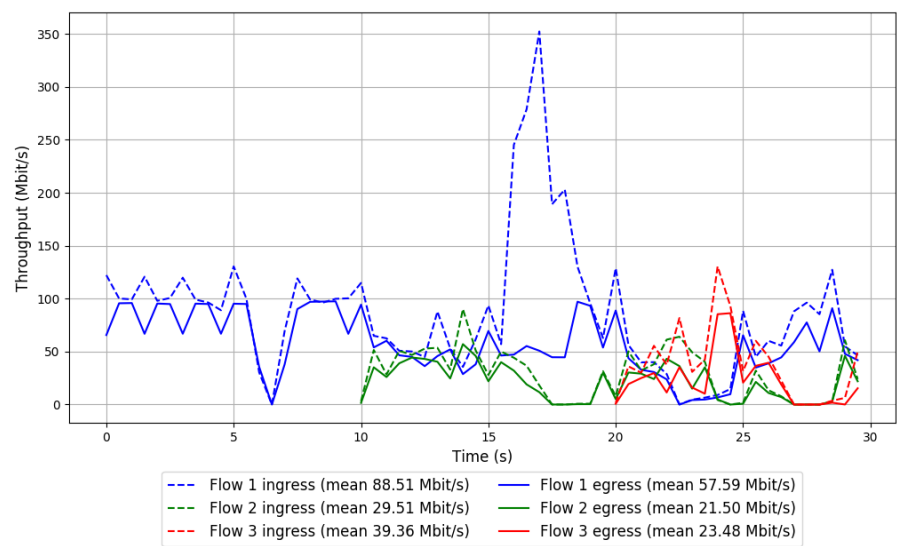


Run 7: Statistics of Verus

Start at: 2018-03-06 17:30:35
End at: 2018-03-06 17:31:05
Local clock offset: 6.215 ms
Remote clock offset: -12.47 ms

Below is generated by plot.py at 2018-03-06 19:41:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.27 Mbit/s
95th percentile per-packet one-way delay: 43.178 ms
Loss rate: 34.23%
-- Flow 1:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 42.935 ms
Loss rate: 34.90%
-- Flow 2:
Average throughput: 21.50 Mbit/s
95th percentile per-packet one-way delay: 42.596 ms
Loss rate: 27.13%
-- Flow 3:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 44.639 ms
Loss rate: 40.42%

Run 7: Report of Verus — Data Link

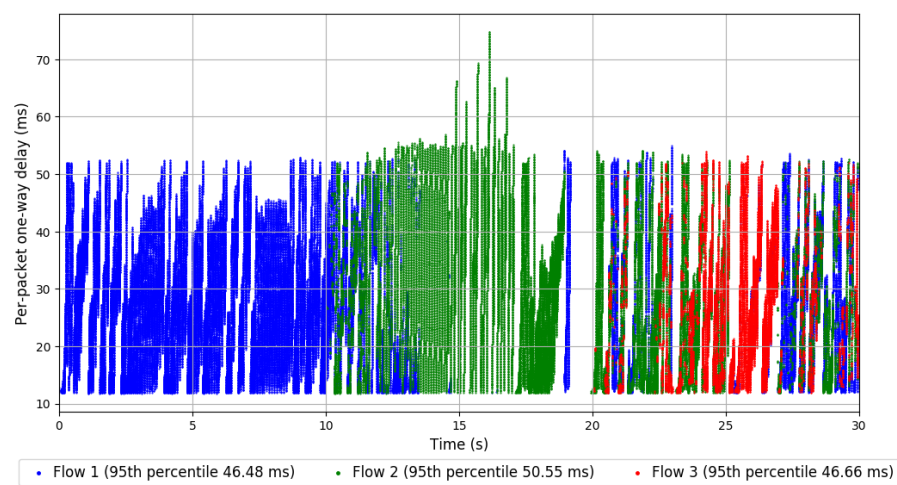
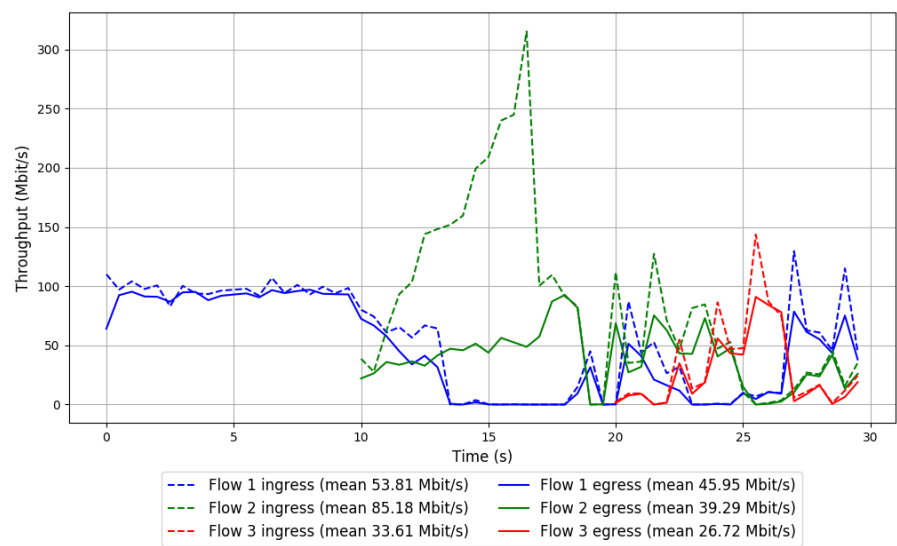


Run 8: Statistics of Verus

Start at: 2018-03-06 17:51:52
End at: 2018-03-06 17:52:22
Local clock offset: 3.628 ms
Remote clock offset: -18.011 ms

Below is generated by plot.py at 2018-03-06 19:41:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 48.057 ms
Loss rate: 33.44%
-- Flow 1:
Average throughput: 45.95 Mbit/s
95th percentile per-packet one-way delay: 46.480 ms
Loss rate: 14.58%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 50.549 ms
Loss rate: 53.89%
-- Flow 3:
Average throughput: 26.72 Mbit/s
95th percentile per-packet one-way delay: 46.663 ms
Loss rate: 20.42%

Run 8: Report of Verus — Data Link

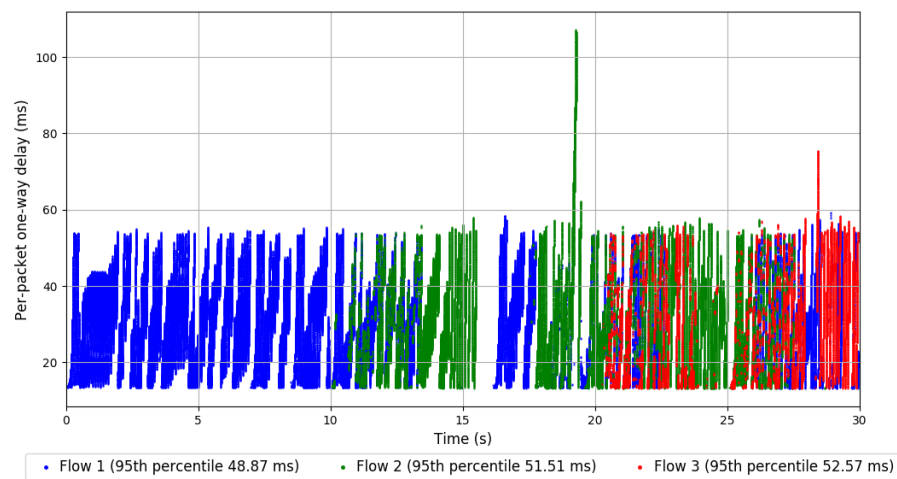
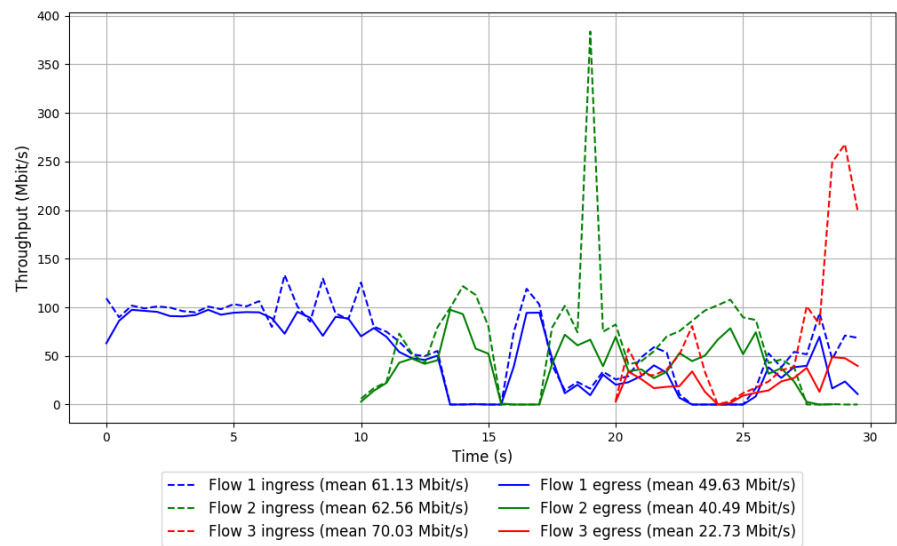


Run 9: Statistics of Verus

Start at: 2018-03-06 18:13:21
End at: 2018-03-06 18:13:51
Local clock offset: 3.424 ms
Remote clock offset: -2.411 ms

Below is generated by plot.py at 2018-03-06 19:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.27 Mbit/s
95th percentile per-packet one-way delay: 50.154 ms
Loss rate: 34.32%
-- Flow 1:
Average throughput: 49.63 Mbit/s
95th percentile per-packet one-way delay: 48.872 ms
Loss rate: 18.79%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 51.509 ms
Loss rate: 39.11%
-- Flow 3:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 52.571 ms
Loss rate: 67.52%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-03-06 18:34:36

End at: 2018-03-06 18:35:06

Local clock offset: 4.62 ms

Remote clock offset: 3.267 ms

Below is generated by plot.py at 2018-03-06 19:41:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.49 Mbit/s

95th percentile per-packet one-way delay: 48.446 ms

Loss rate: 26.25%

-- Flow 1:

Average throughput: 49.07 Mbit/s

95th percentile per-packet one-way delay: 47.572 ms

Loss rate: 15.13%

-- Flow 2:

Average throughput: 37.54 Mbit/s

95th percentile per-packet one-way delay: 50.188 ms

Loss rate: 41.78%

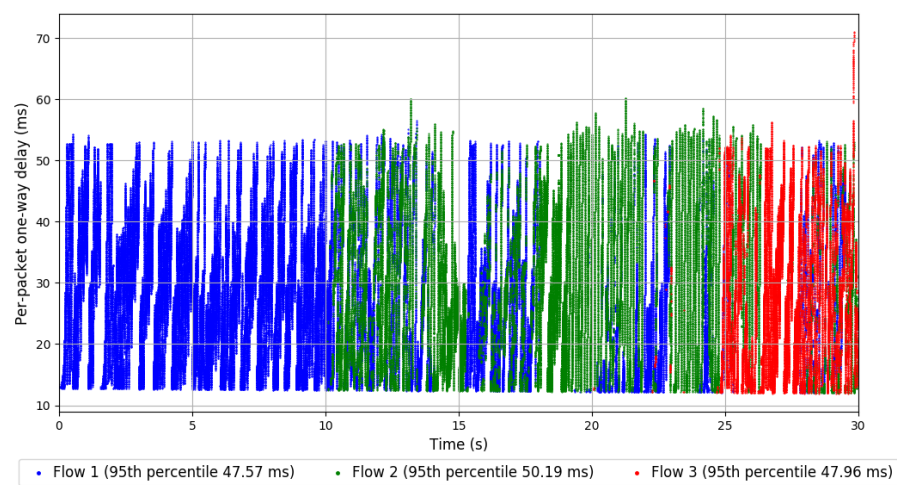
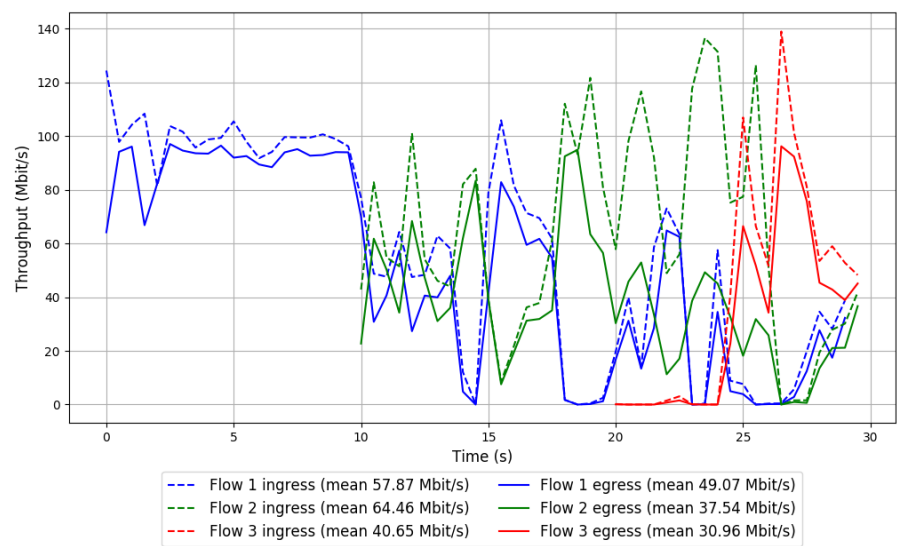
-- Flow 3:

Average throughput: 30.96 Mbit/s

95th percentile per-packet one-way delay: 47.960 ms

Loss rate: 23.77%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-06 15:20:16

End at: 2018-03-06 15:20:46

Local clock offset: 6.563 ms

Remote clock offset: 3.161 ms

Below is generated by plot.py at 2018-03-06 19:43:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 15.636 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 15.148 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.47 Mbit/s

95th percentile per-packet one-way delay: 15.756 ms

Loss rate: 0.00%

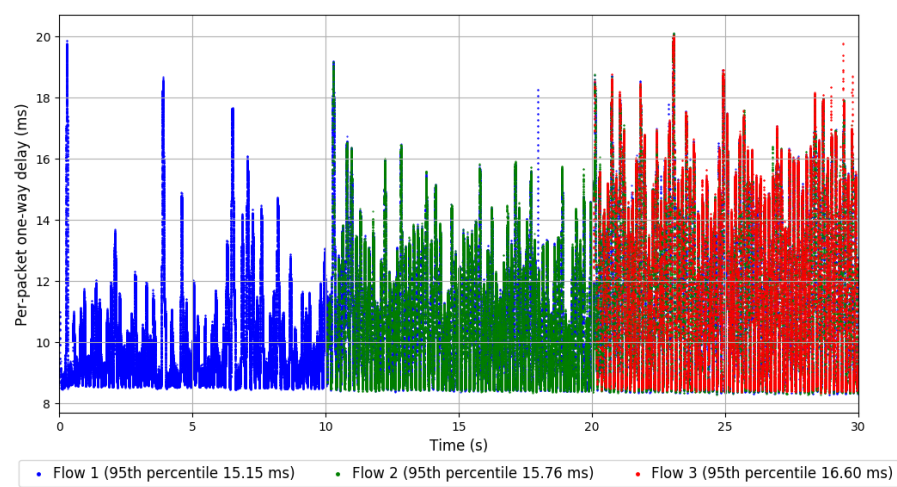
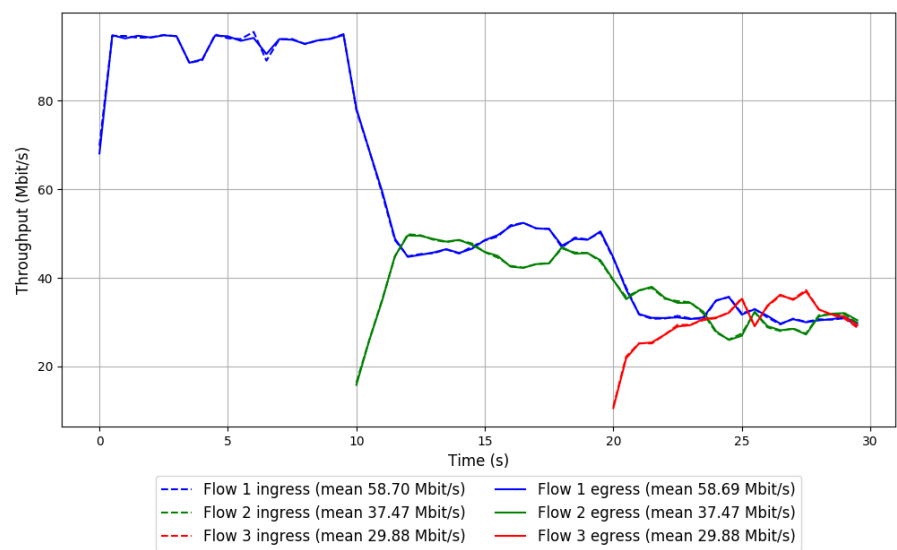
-- Flow 3:

Average throughput: 29.88 Mbit/s

95th percentile per-packet one-way delay: 16.597 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-06 15:41:40

End at: 2018-03-06 15:42:10

Local clock offset: 3.492 ms

Remote clock offset: 7.886 ms

Below is generated by plot.py at 2018-03-06 19:43:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.04 Mbit/s

95th percentile per-packet one-way delay: 19.524 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.67 Mbit/s

95th percentile per-packet one-way delay: 18.916 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.27 Mbit/s

95th percentile per-packet one-way delay: 19.728 ms

Loss rate: 0.00%

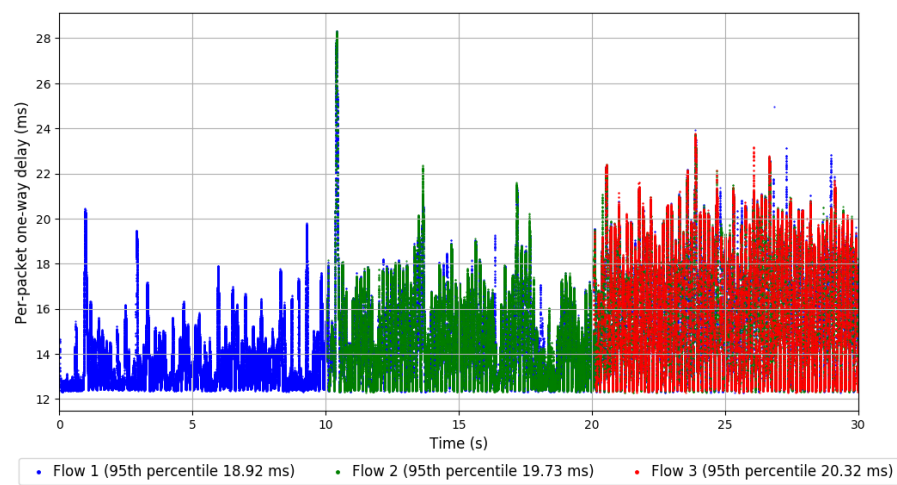
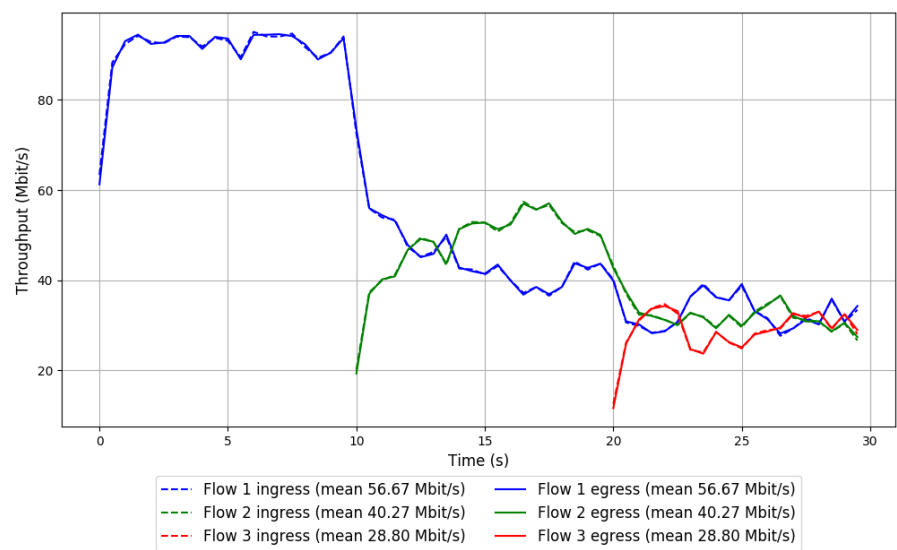
-- Flow 3:

Average throughput: 28.80 Mbit/s

95th percentile per-packet one-way delay: 20.319 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

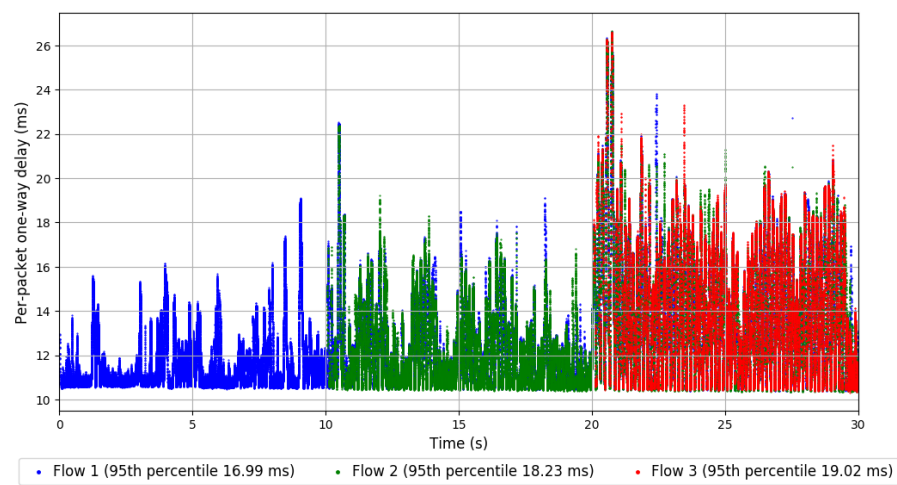
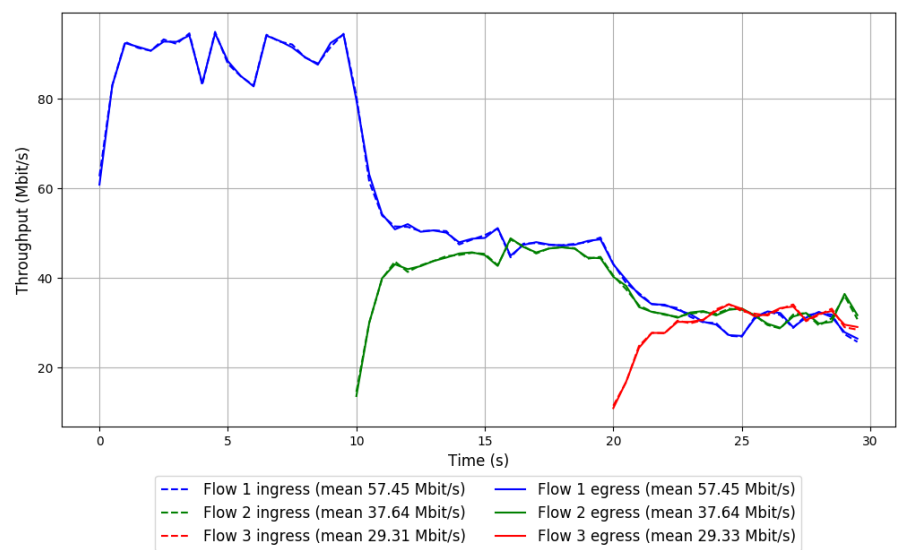


Run 3: Statistics of Copa

Start at: 2018-03-06 16:02:54
End at: 2018-03-06 16:03:24
Local clock offset: 4.877 ms
Remote clock offset: 17.532 ms

Below is generated by plot.py at 2018-03-06 19:43:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 17.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 16.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 18.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 19.021 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

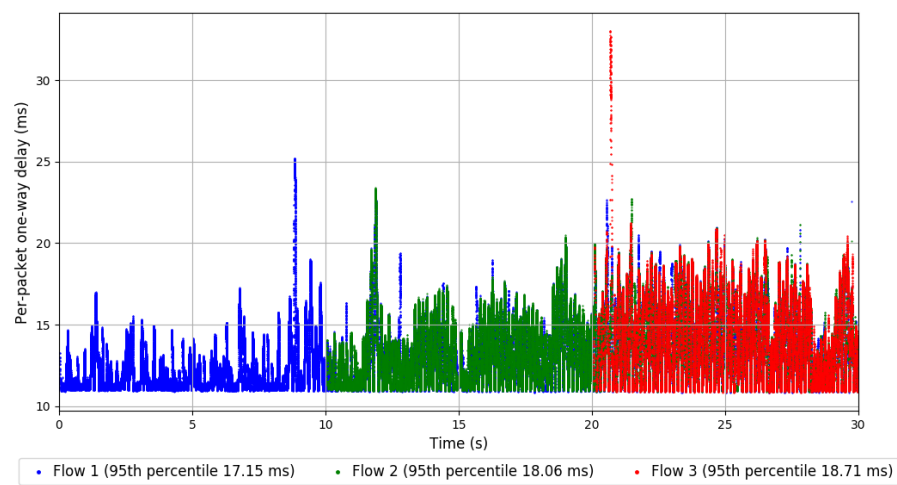
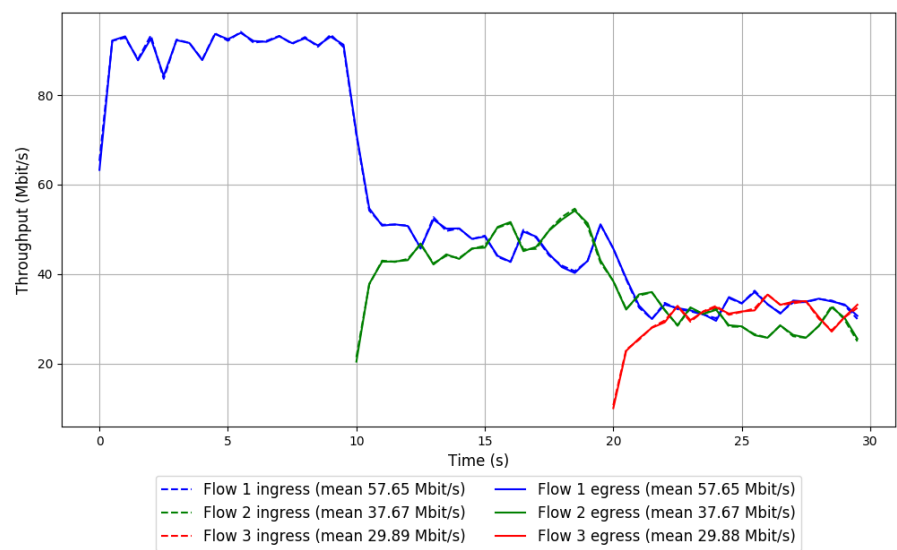


Run 4: Statistics of Copa

Start at: 2018-03-06 16:24:27
End at: 2018-03-06 16:24:57
Local clock offset: 5.076 ms
Remote clock offset: 22.793 ms

Below is generated by plot.py at 2018-03-06 19:43:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 17.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 17.152 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 18.062 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 18.707 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

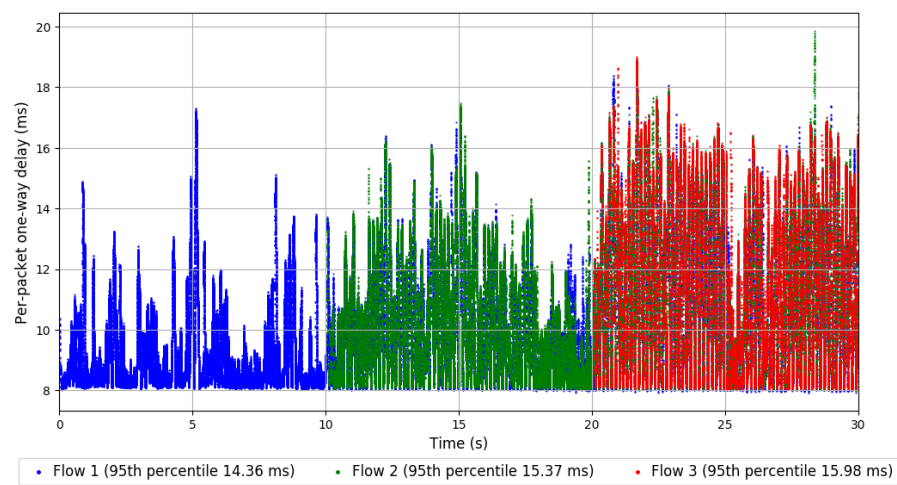
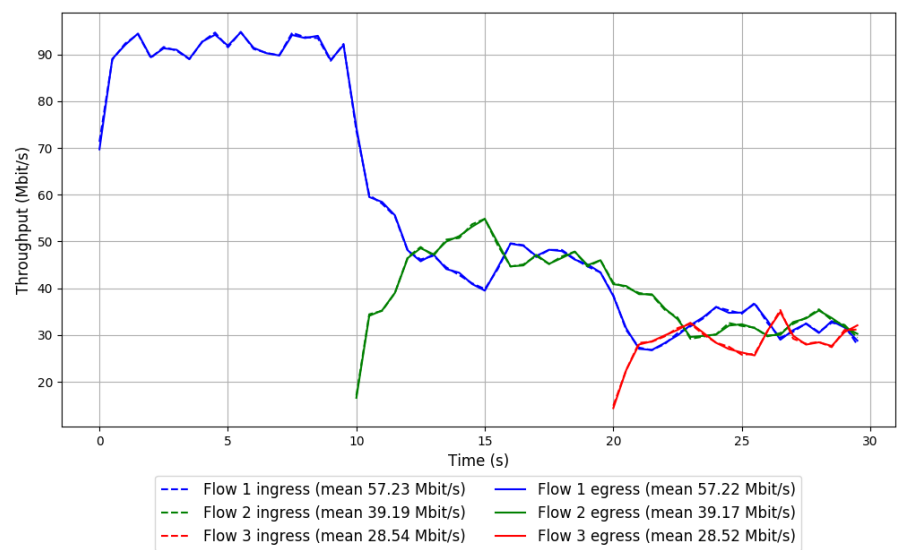


Run 5: Statistics of Copa

Start at: 2018-03-06 16:45:41
End at: 2018-03-06 16:46:11
Local clock offset: 6.323 ms
Remote clock offset: 25.786 ms

Below is generated by plot.py at 2018-03-06 19:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 15.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.22 Mbit/s
95th percentile per-packet one-way delay: 14.363 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 15.370 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.52 Mbit/s
95th percentile per-packet one-way delay: 15.976 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

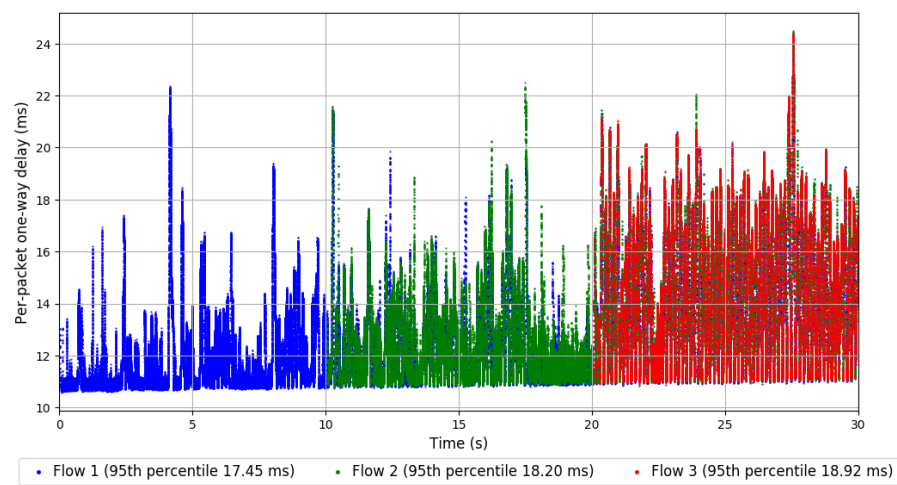
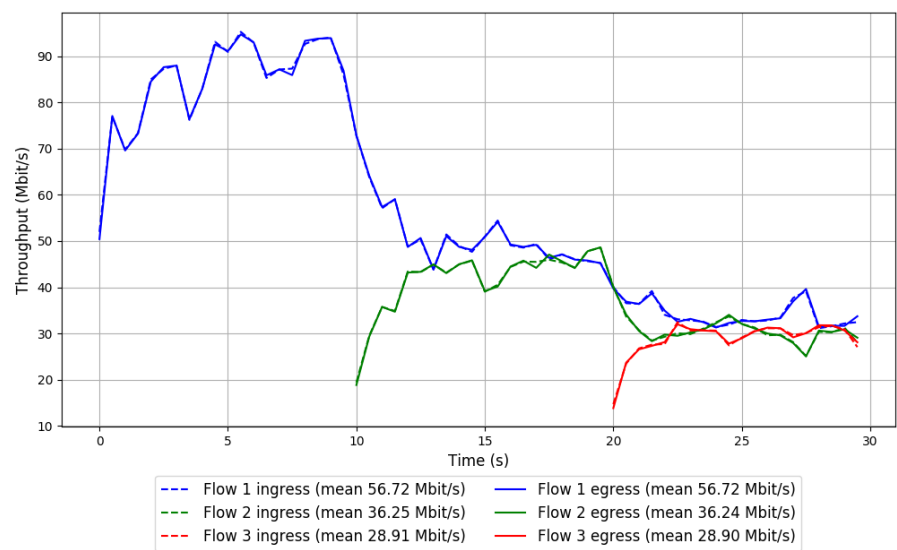


Run 6: Statistics of Copa

Start at: 2018-03-06 17:06:46
End at: 2018-03-06 17:07:16
Local clock offset: 3.797 ms
Remote clock offset: -0.356 ms

```
# Below is generated by plot.py at 2018-03-06 19:44:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.44 Mbit/s
95th percentile per-packet one-way delay: 18.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 17.455 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 18.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 18.916 ms
Loss rate: 0.00%
```


Run 6: Report of Copa — Data Link

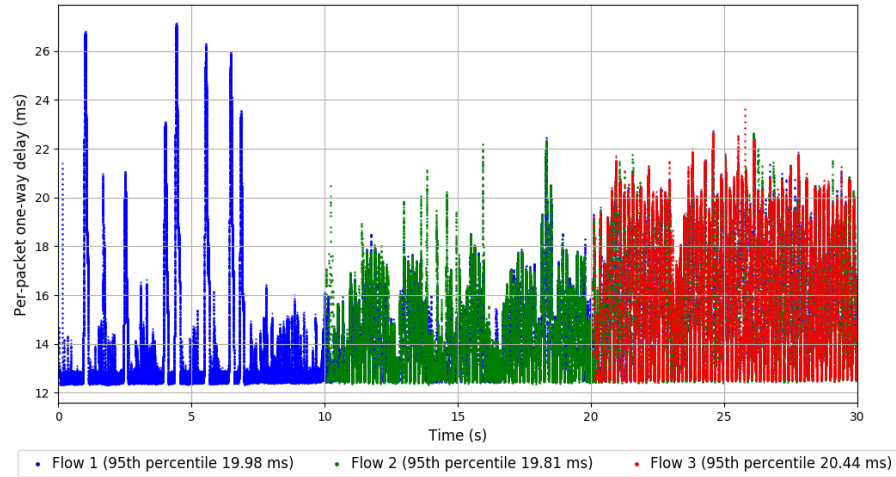
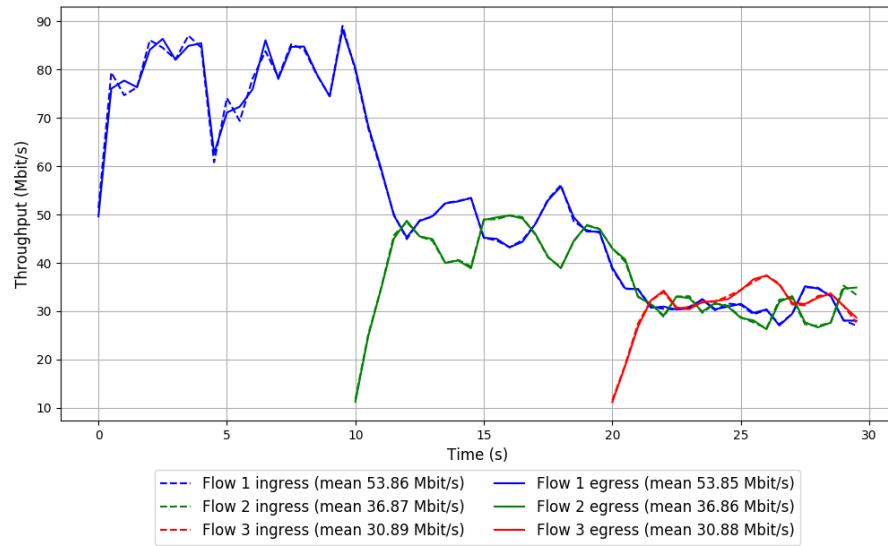


Run 7: Statistics of Copa

Start at: 2018-03-06 17:28:11
End at: 2018-03-06 17:28:41
Local clock offset: 2.113 ms
Remote clock offset: -10.719 ms

Below is generated by plot.py at 2018-03-06 19:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 20.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 19.979 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 19.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 20.441 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

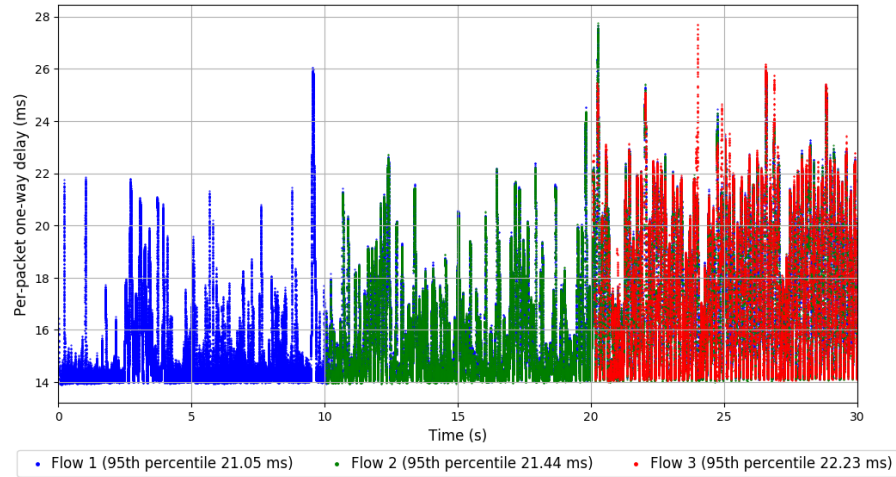
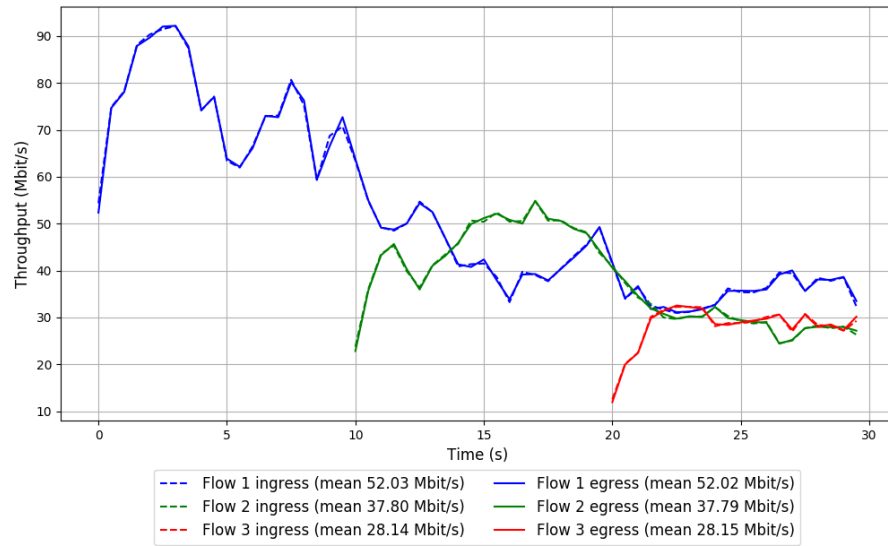


Run 8: Statistics of Copa

Start at: 2018-03-06 17:49:26
End at: 2018-03-06 17:49:56
Local clock offset: 1.349 ms
Remote clock offset: -17.287 ms

Below is generated by plot.py at 2018-03-06 19:44:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 21.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 21.440 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 22.231 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

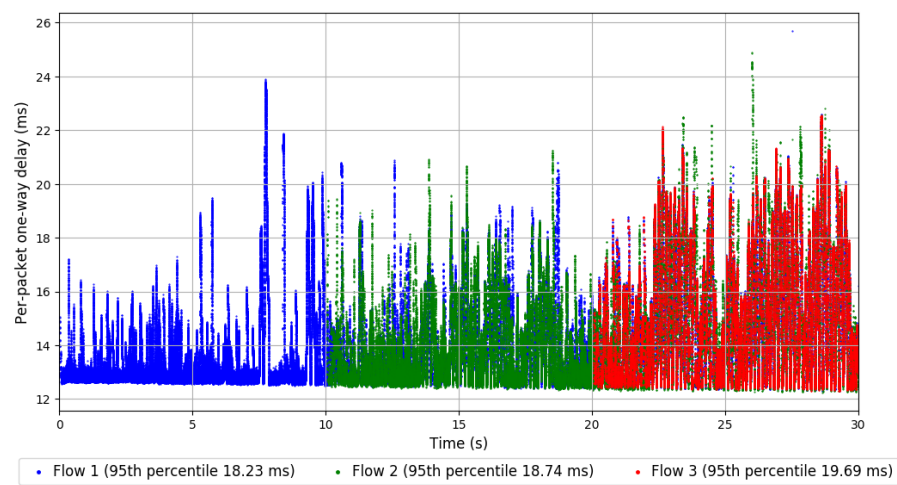
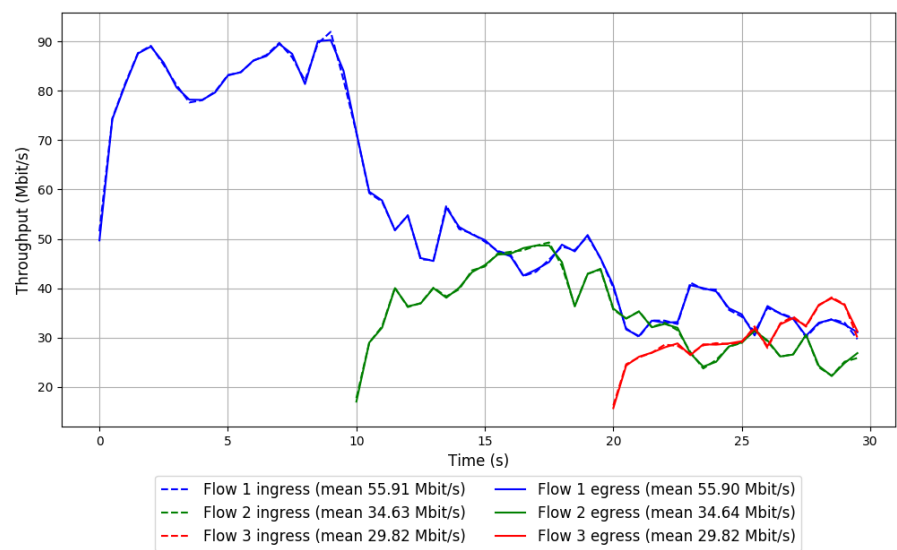


Run 9: Statistics of Copa

Start at: 2018-03-06 18:10:55
End at: 2018-03-06 18:11:25
Local clock offset: 3.974 ms
Remote clock offset: -3.914 ms

Below is generated by plot.py at 2018-03-06 19:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 18.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 18.226 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 18.739 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 19.687 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-03-06 18:32:12

End at: 2018-03-06 18:32:42

Local clock offset: 7.893 ms

Remote clock offset: 1.815 ms

Below is generated by plot.py at 2018-03-06 19:45:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 16.824 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 16.114 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.85 Mbit/s

95th percentile per-packet one-way delay: 16.993 ms

Loss rate: 0.00%

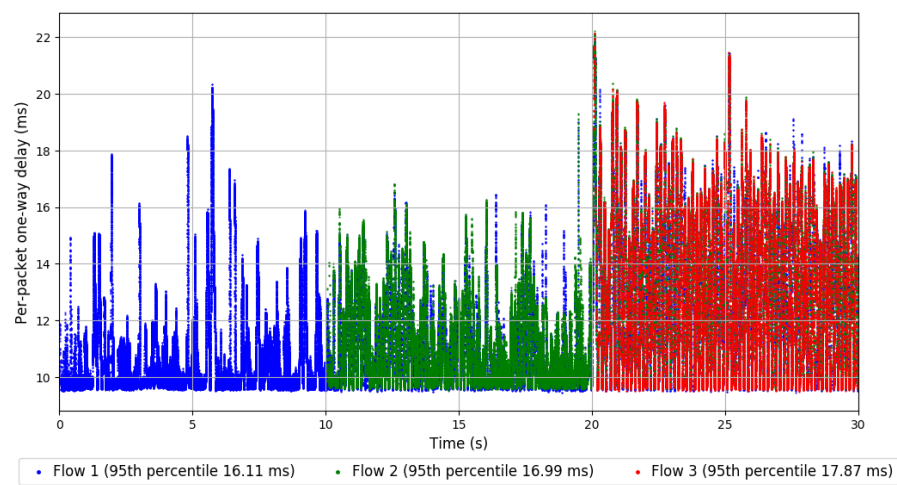
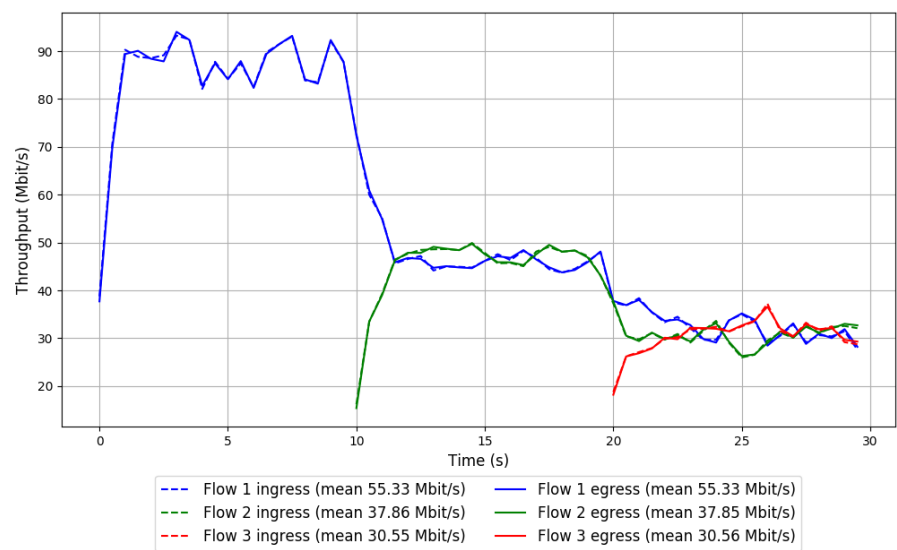
-- Flow 3:

Average throughput: 30.56 Mbit/s

95th percentile per-packet one-way delay: 17.867 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-03-06 15:28:40

End at: 2018-03-06 15:29:10

Local clock offset: 1.848 ms

Remote clock offset: 5.598 ms

Below is generated by plot.py at 2018-03-06 19:45:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 52.498 ms

Loss rate: 29.43%

-- Flow 1:

Average throughput: 52.07 Mbit/s

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

Loss rate: 26.73%

-- Flow 2:

Average throughput: 41.38 Mbit/s

95th percentile per-packet one-way delay: 52.615 ms

Loss rate: 30.87%

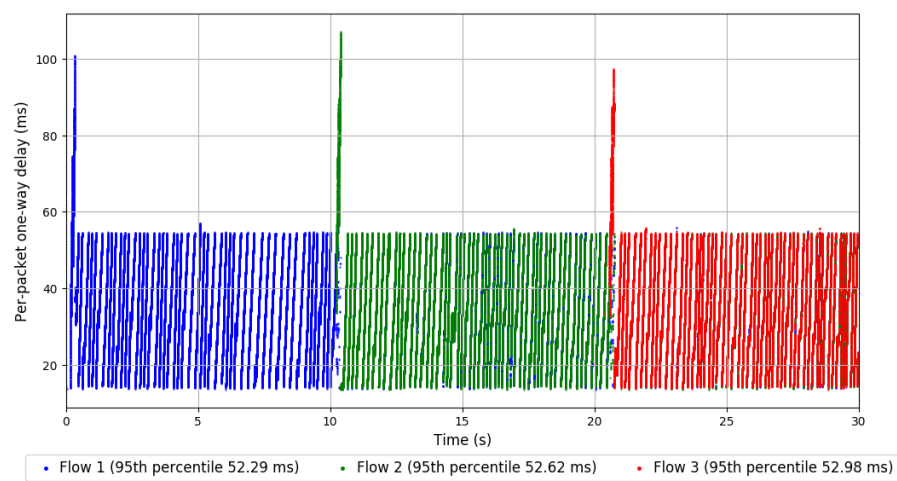
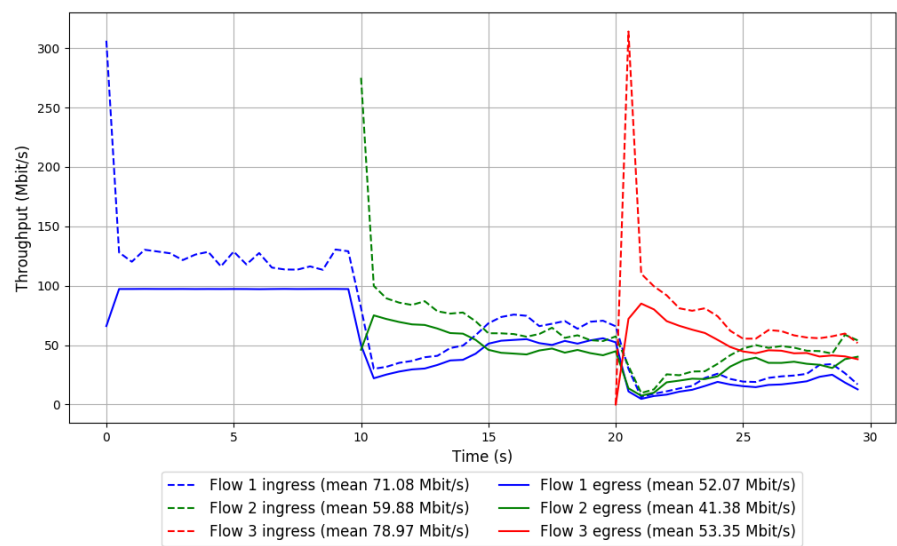
-- Flow 3:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 52.985 ms

Loss rate: 34.58%

Run 1: Report of FillP — Data Link

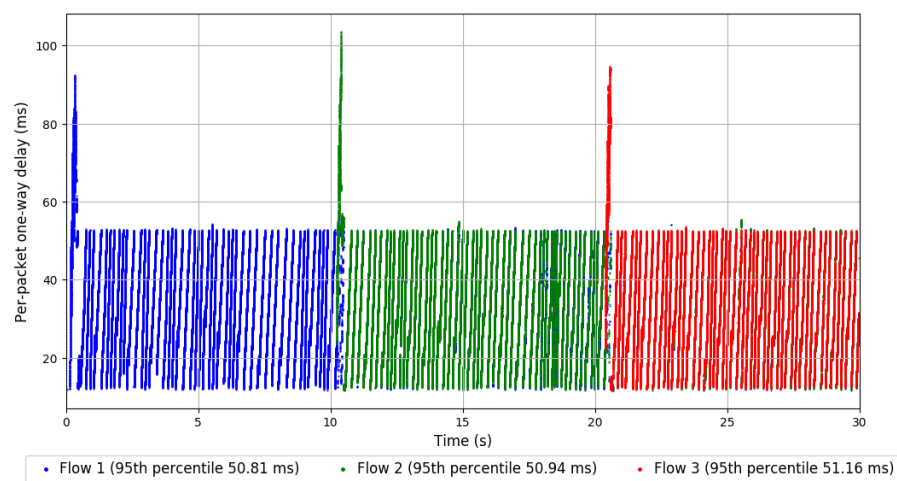
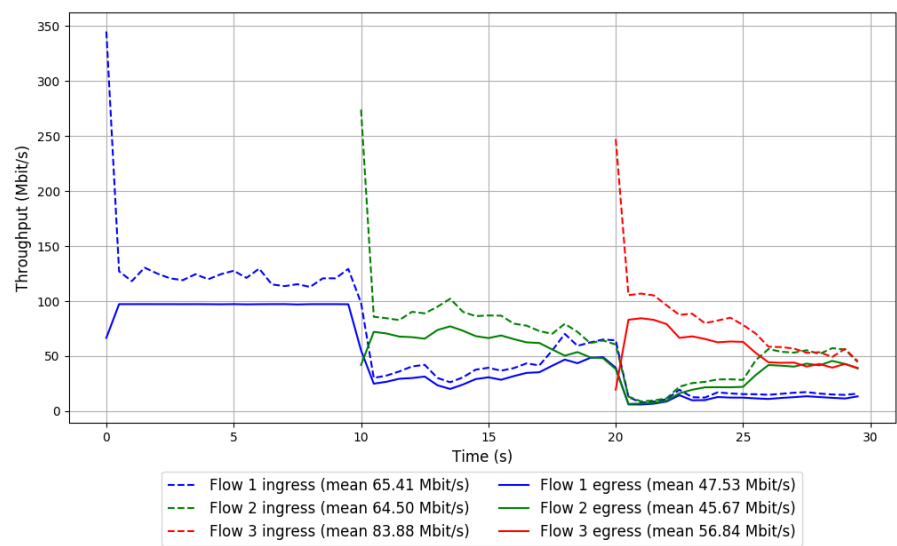


Run 2: Statistics of FillP

Start at: 2018-03-06 15:49:59
End at: 2018-03-06 15:50:29
Local clock offset: 4.341 ms
Remote clock offset: 13.207 ms

Below is generated by plot.py at 2018-03-06 19:45:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 50.915 ms
Loss rate: 28.90%
-- Flow 1:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: 50.808 ms
Loss rate: 27.29%
-- Flow 2:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 50.944 ms
Loss rate: 29.20%
-- Flow 3:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 51.163 ms
Loss rate: 32.20%

Run 2: Report of FillP — Data Link

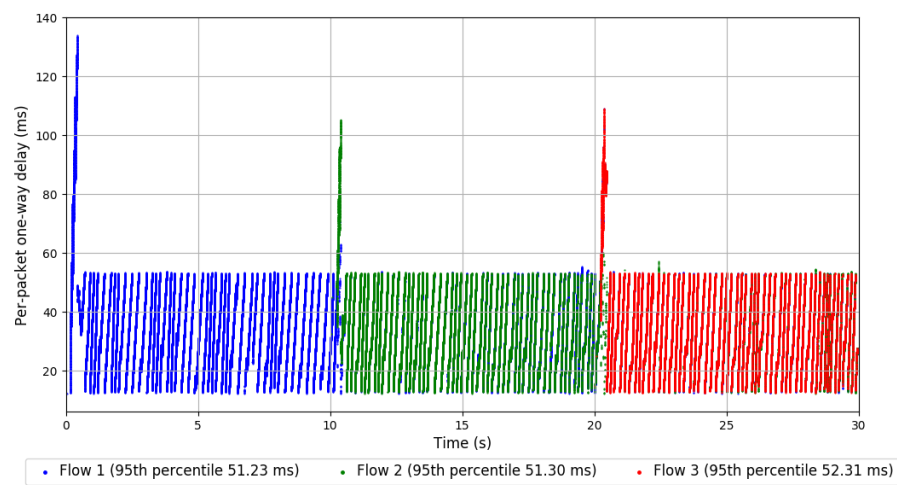
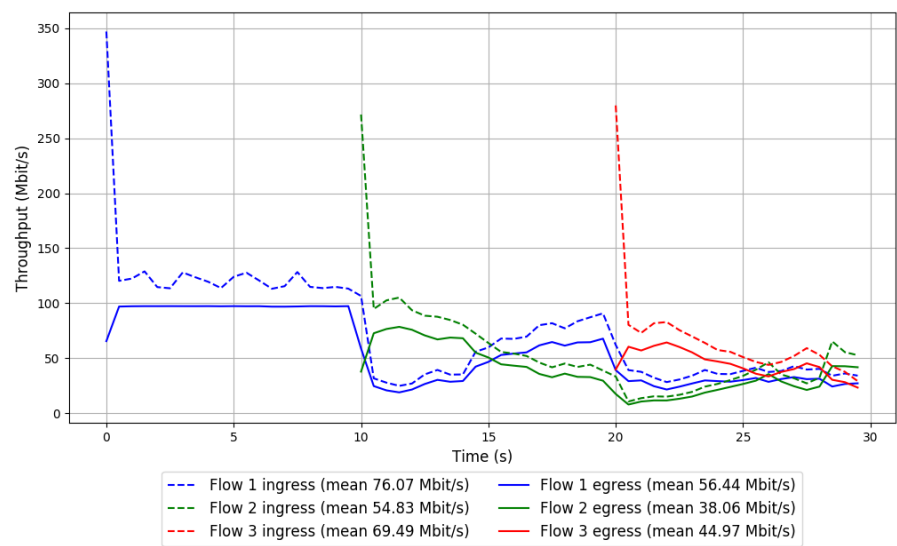


Run 3: Statistics of FillP

Start at: 2018-03-06 16:11:22
End at: 2018-03-06 16:11:52
Local clock offset: 3.728 ms
Remote clock offset: 20.094 ms

Below is generated by plot.py at 2018-03-06 19:45:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 51.417 ms
Loss rate: 28.67%
-- Flow 1:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 51.233 ms
Loss rate: 25.76%
-- Flow 2:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 51.297 ms
Loss rate: 30.61%
-- Flow 3:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 52.314 ms
Loss rate: 35.20%

Run 3: Report of FillP — Data Link

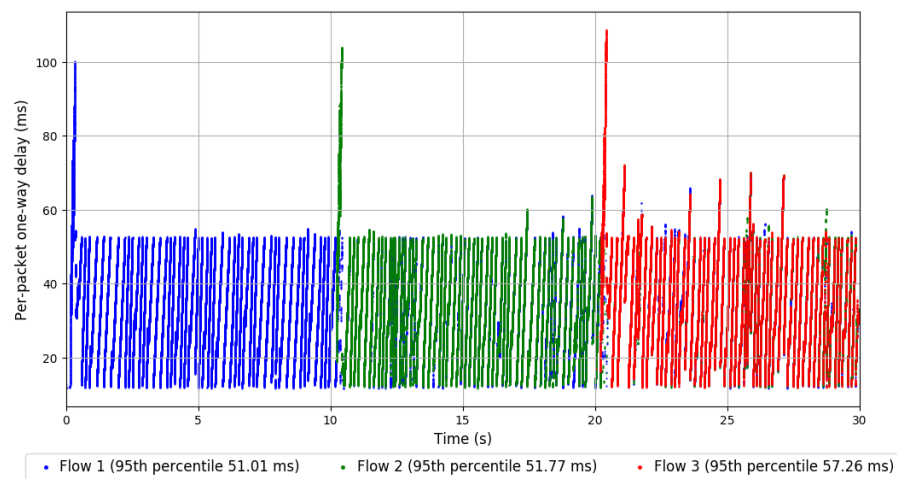
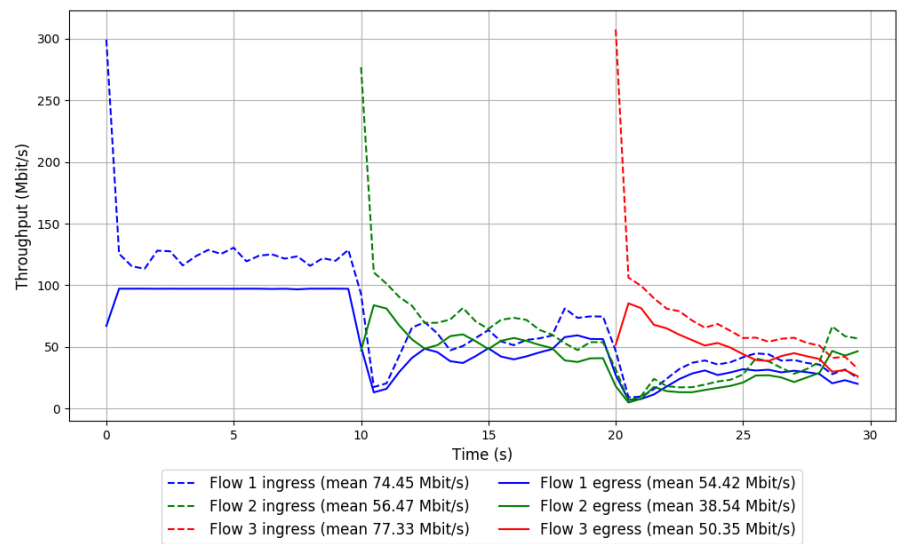


Run 4: Statistics of FillP

Start at: 2018-03-06 16:32:47
End at: 2018-03-06 16:33:17
Local clock offset: 3.708 ms
Remote clock offset: 24.011 ms

Below is generated by plot.py at 2018-03-06 19:46:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 51.628 ms
Loss rate: 29.67%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 51.006 ms
Loss rate: 26.86%
-- Flow 2:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 51.773 ms
Loss rate: 31.74%
-- Flow 3:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 57.262 ms
Loss rate: 34.79%

Run 4: Report of FillP — Data Link

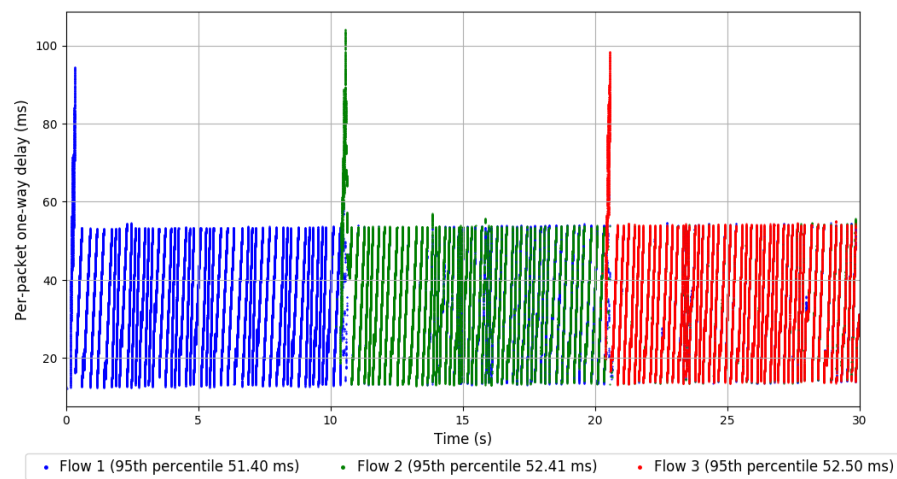
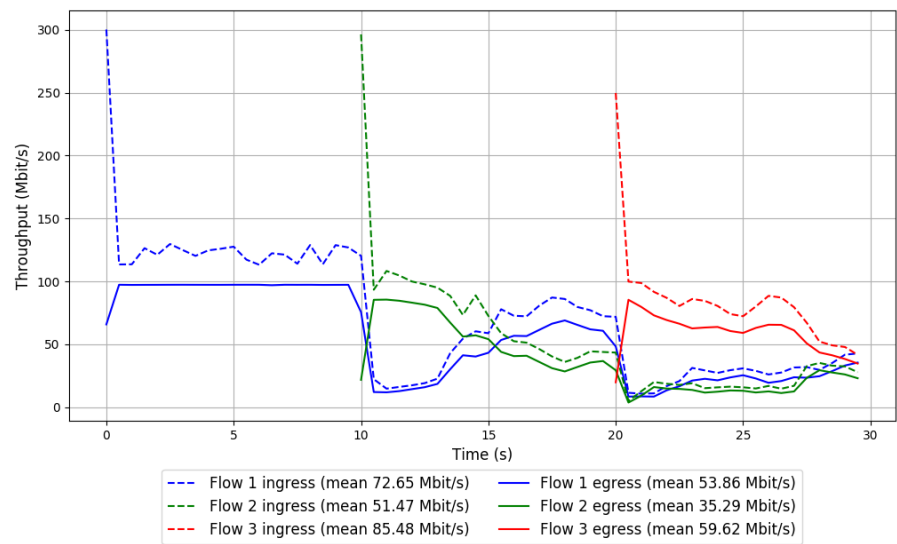


Run 5: Statistics of FillP

Start at: 2018-03-06 16:53:54
End at: 2018-03-06 16:54:24
Local clock offset: 2.981 ms
Remote clock offset: 19.773 ms

Below is generated by plot.py at 2018-03-06 19:46:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 51.855 ms
Loss rate: 28.41%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 51.395 ms
Loss rate: 25.82%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 52.409 ms
Loss rate: 31.48%
-- Flow 3:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 52.497 ms
Loss rate: 31.33%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-06 17:15:08

End at: 2018-03-06 17:15:38

Local clock offset: 2.62 ms

Remote clock offset: -5.94 ms

Below is generated by plot.py at 2018-03-06 19:46:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 50.643 ms

Loss rate: 29.45%

-- Flow 1:

Average throughput: 50.67 Mbit/s

95th percentile per-packet one-way delay: 50.487 ms

Loss rate: 27.18%

-- Flow 2:

Average throughput: 42.98 Mbit/s

95th percentile per-packet one-way delay: 50.652 ms

Loss rate: 30.68%

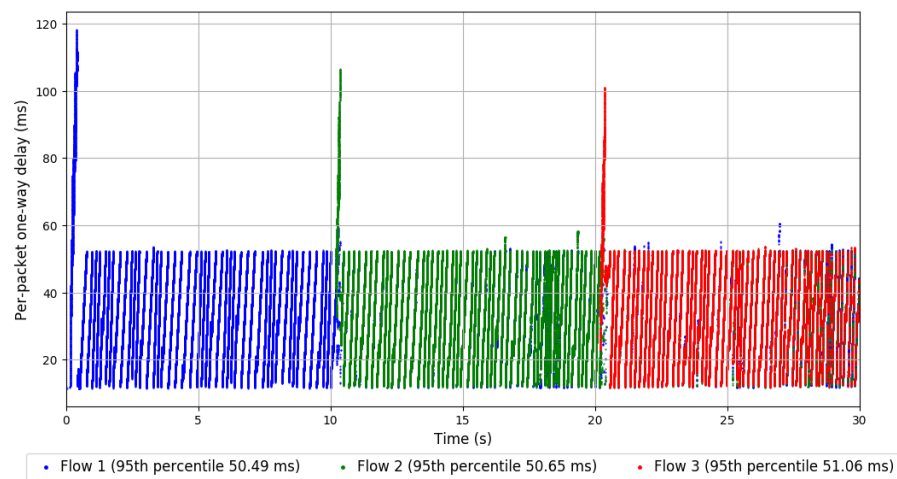
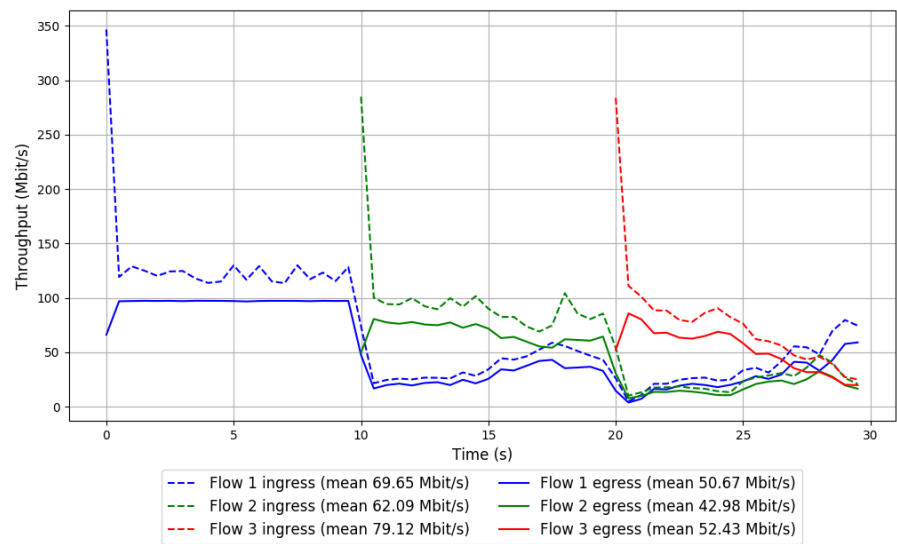
-- Flow 3:

Average throughput: 52.43 Mbit/s

95th percentile per-packet one-way delay: 51.057 ms

Loss rate: 33.56%

Run 6: Report of FillP — Data Link

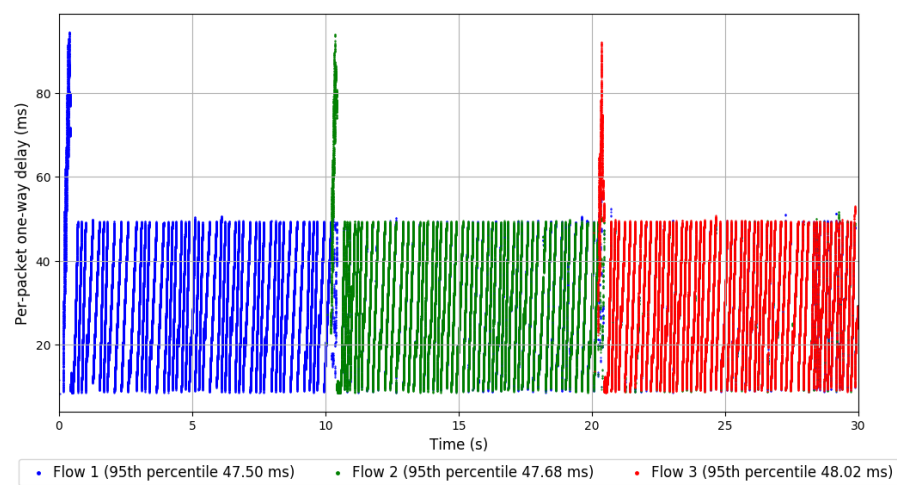
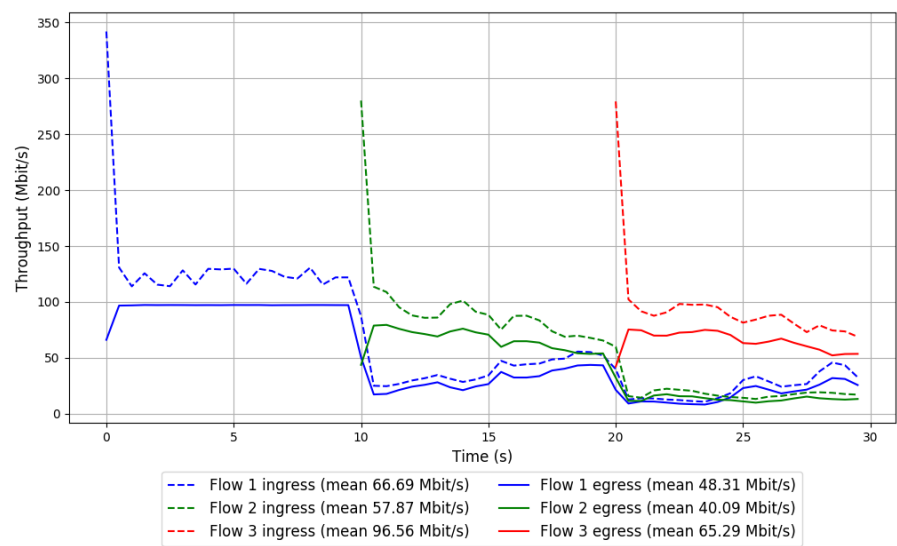


Run 7: Statistics of FillP

Start at: 2018-03-06 17:36:27
End at: 2018-03-06 17:36:57
Local clock offset: 4.681 ms
Remote clock offset: -14.948 ms

Below is generated by plot.py at 2018-03-06 19:47:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 47.664 ms
Loss rate: 29.57%
-- Flow 1:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 47.496 ms
Loss rate: 27.51%
-- Flow 2:
Average throughput: 40.09 Mbit/s
95th percentile per-packet one-way delay: 47.677 ms
Loss rate: 30.69%
-- Flow 3:
Average throughput: 65.29 Mbit/s
95th percentile per-packet one-way delay: 48.020 ms
Loss rate: 32.51%

Run 7: Report of FillP — Data Link

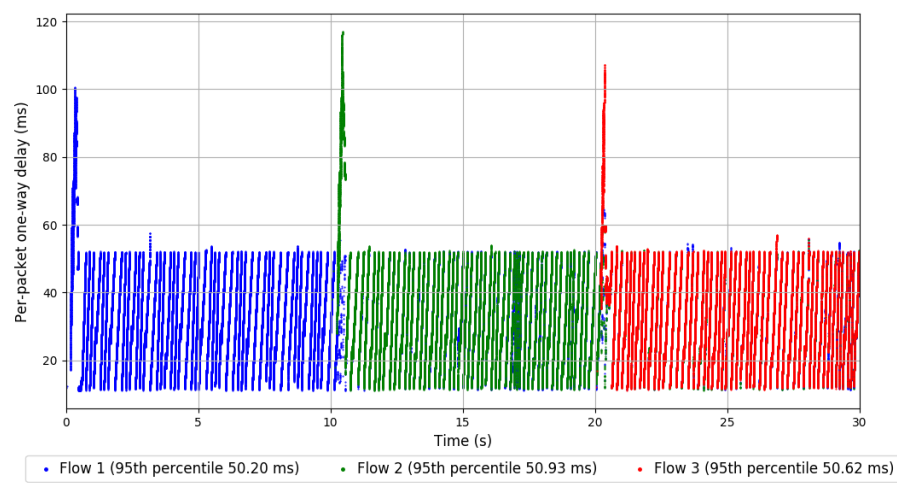
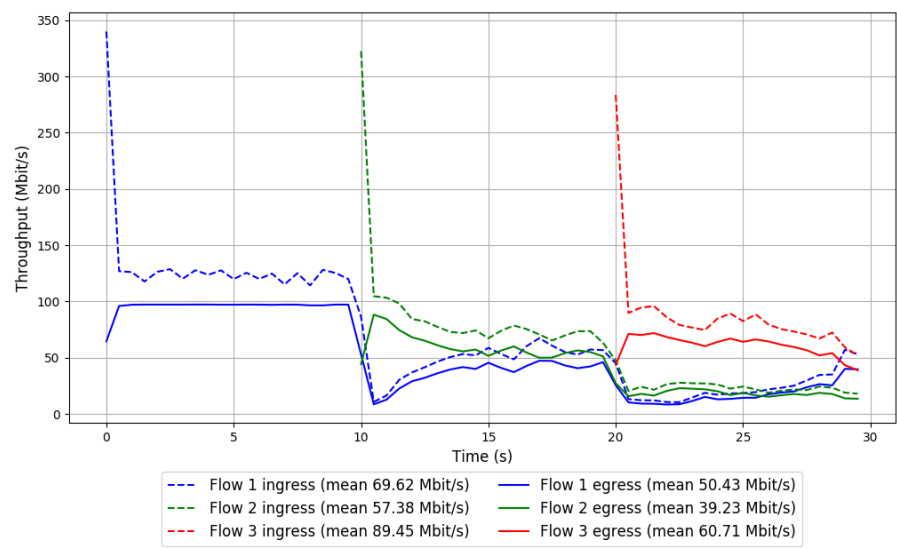


Run 8: Statistics of FillP

Start at: 2018-03-06 17:57:50
End at: 2018-03-06 17:58:20
Local clock offset: 3.789 ms
Remote clock offset: -20.424 ms

Below is generated by plot.py at 2018-03-06 19:47:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 50.488 ms
Loss rate: 29.64%
-- Flow 1:
Average throughput: 50.43 Mbit/s
95th percentile per-packet one-way delay: 50.203 ms
Loss rate: 27.52%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 50.933 ms
Loss rate: 31.67%
-- Flow 3:
Average throughput: 60.71 Mbit/s
95th percentile per-packet one-way delay: 50.625 ms
Loss rate: 32.02%

Run 8: Report of FillP — Data Link

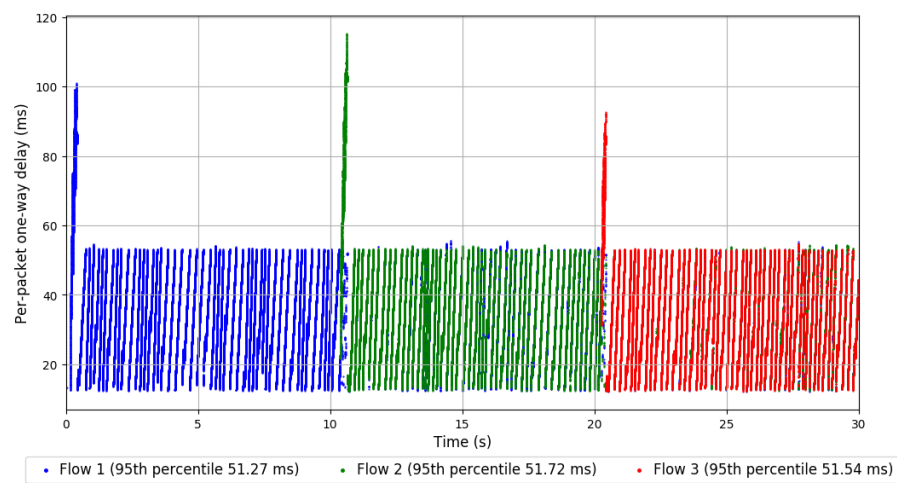
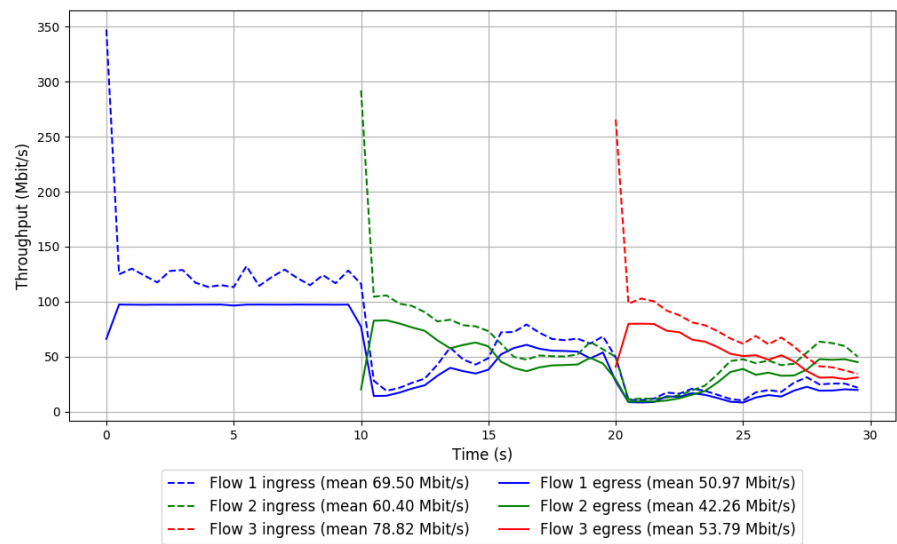


Run 9: Statistics of FillP

Start at: 2018-03-06 18:19:12
End at: 2018-03-06 18:19:42
Local clock offset: 4.934 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-03-06 19:47:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 51.450 ms
Loss rate: 28.72%
-- Flow 1:
Average throughput: 50.97 Mbit/s
95th percentile per-packet one-way delay: 51.271 ms
Loss rate: 26.58%
-- Flow 2:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: 51.724 ms
Loss rate: 30.54%
-- Flow 3:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 51.542 ms
Loss rate: 31.63%

Run 9: Report of FillP — Data Link

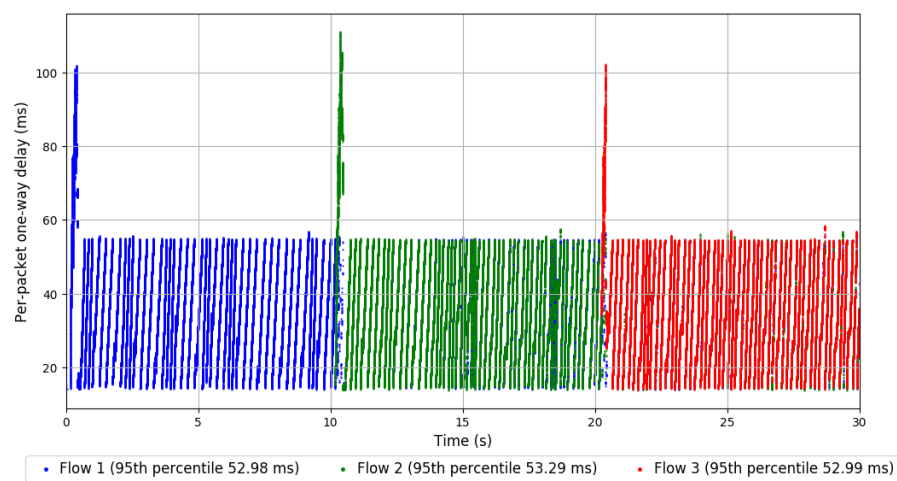
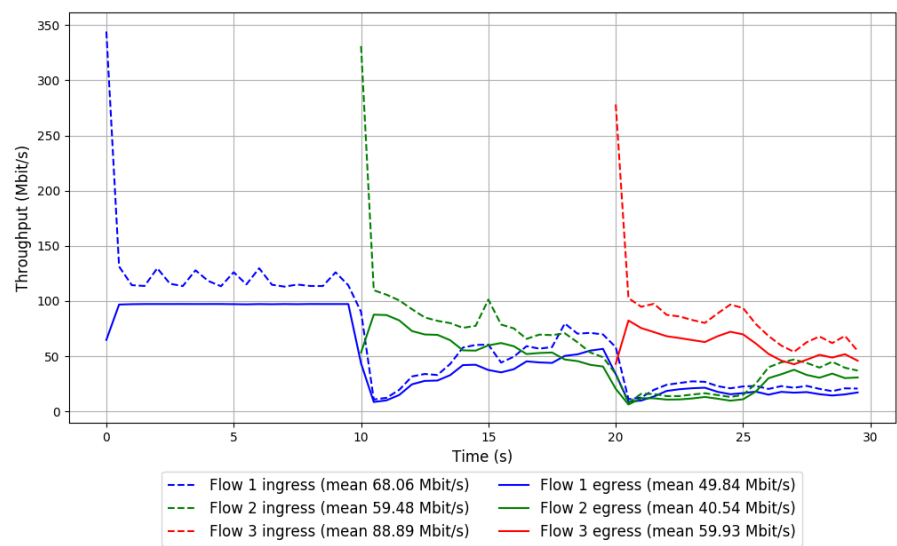


Run 10: Statistics of FillP

Start at: 2018-03-06 18:40:34
End at: 2018-03-06 18:41:04
Local clock offset: 3.802 ms
Remote clock offset: 11.238 ms

Below is generated by plot.py at 2018-03-06 19:47:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 53.065 ms
Loss rate: 29.42%
-- Flow 1:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 52.976 ms
Loss rate: 26.72%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 53.290 ms
Loss rate: 31.79%
-- Flow 3:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 52.993 ms
Loss rate: 32.50%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-03-06 15:23:58

End at: 2018-03-06 15:24:28

Local clock offset: 3.379 ms

Remote clock offset: 4.818 ms

Below is generated by plot.py at 2018-03-06 19:47:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 20.759 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 20.675 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.58 Mbit/s

95th percentile per-packet one-way delay: 21.758 ms

Loss rate: 0.00%

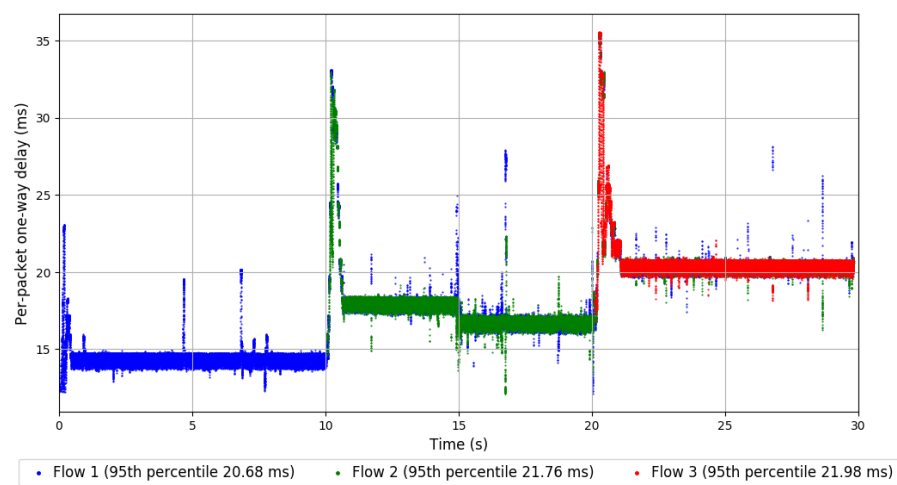
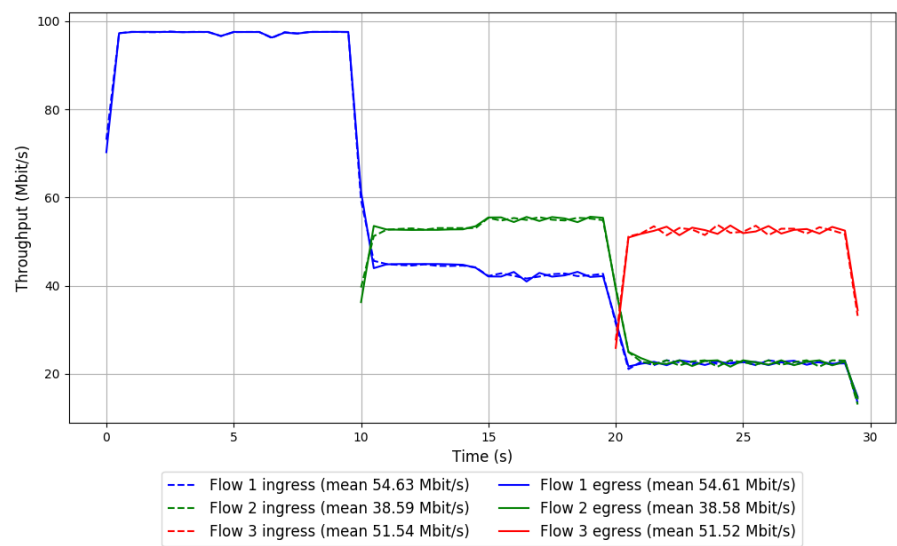
-- Flow 3:

Average throughput: 51.52 Mbit/s

95th percentile per-packet one-way delay: 21.976 ms

Loss rate: 0.00%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-03-06 15:45:20

End at: 2018-03-06 15:45:50

Local clock offset: 2.775 ms

Remote clock offset: 9.294 ms

Below is generated by plot.py at 2018-03-06 19:47:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 20.756 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.36 Mbit/s

95th percentile per-packet one-way delay: 20.693 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.46 Mbit/s

95th percentile per-packet one-way delay: 20.779 ms

Loss rate: 0.00%

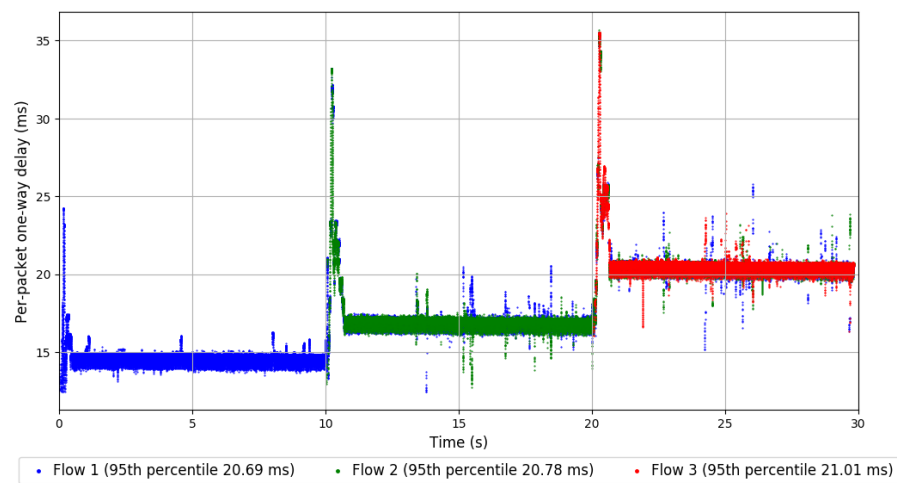
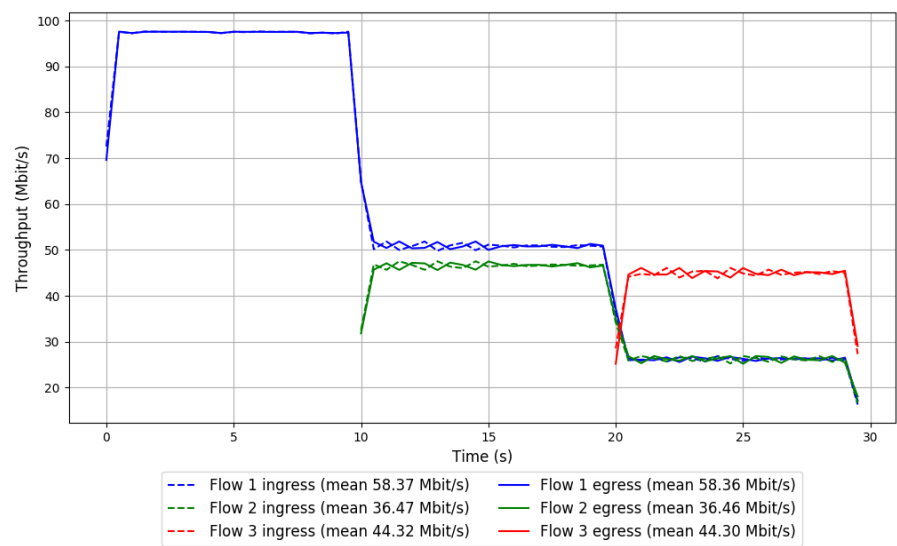
-- Flow 3:

Average throughput: 44.30 Mbit/s

95th percentile per-packet one-way delay: 21.009 ms

Loss rate: 0.00%

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

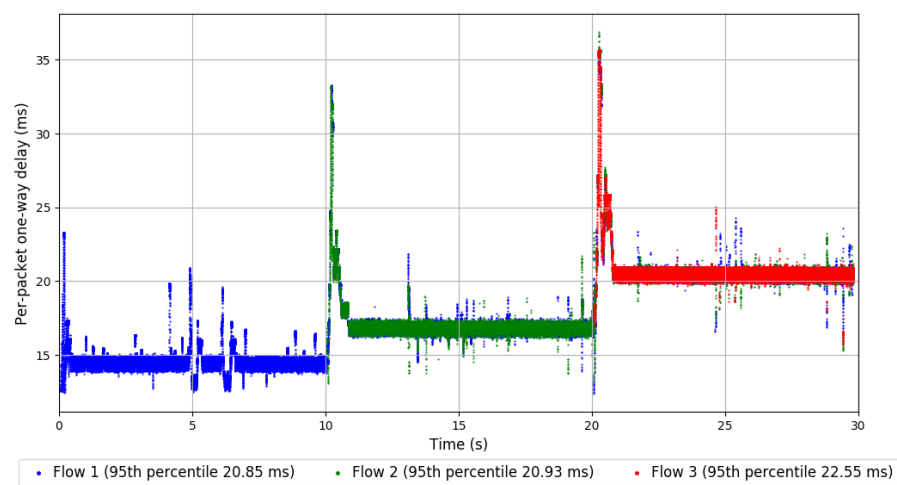
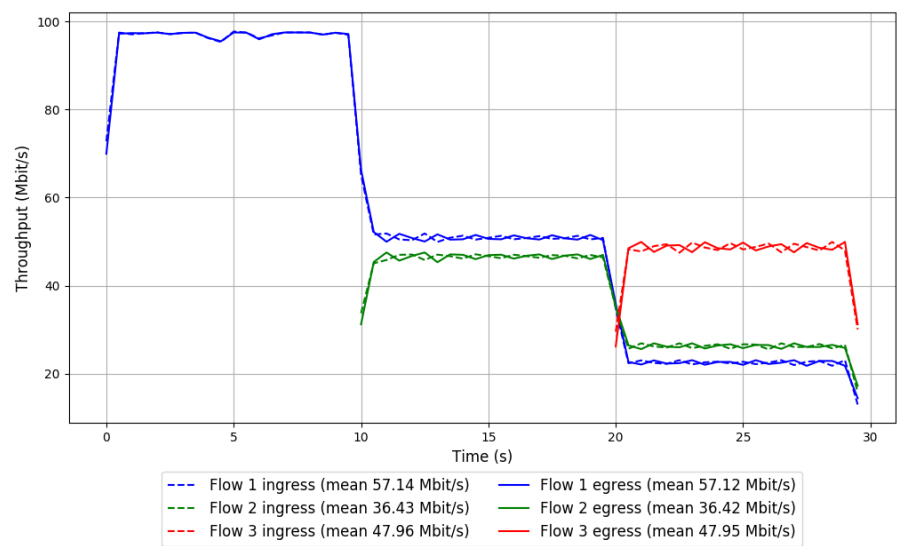


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-06 16:06:32
End at: 2018-03-06 16:07:02
Local clock offset: 2.847 ms
Remote clock offset: 18.301 ms

Below is generated by plot.py at 2018-03-06 19:47:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 20.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 20.847 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 20.927 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.95 Mbit/s
95th percentile per-packet one-way delay: 22.553 ms
Loss rate: 0.00%

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

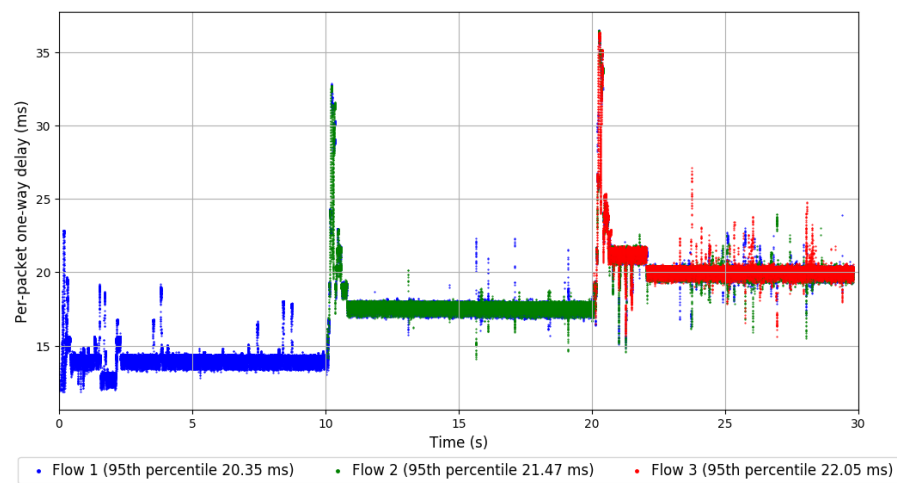
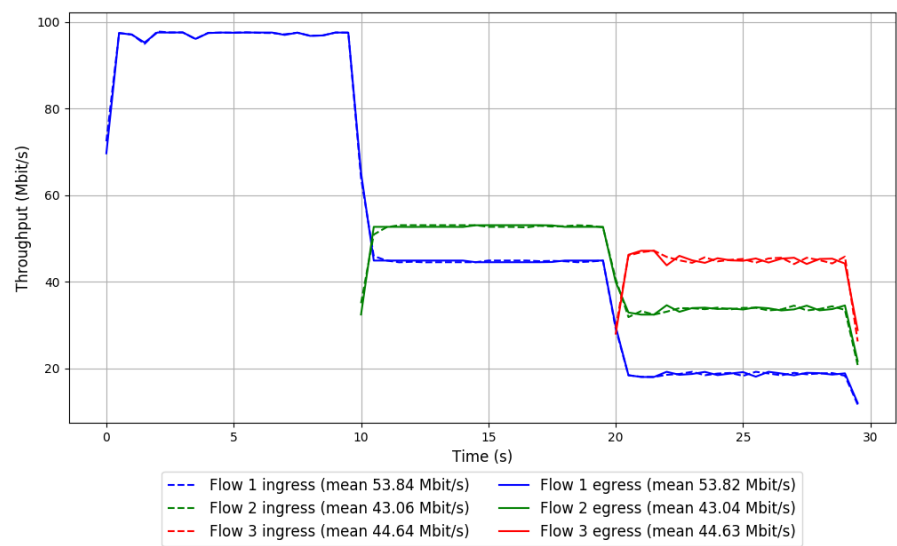


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-06 16:28:07
End at: 2018-03-06 16:28:37
Local clock offset: 3.193 ms
Remote clock offset: 22.587 ms

Below is generated by plot.py at 2018-03-06 19:47:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 21.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.82 Mbit/s
95th percentile per-packet one-way delay: 20.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.04 Mbit/s
95th percentile per-packet one-way delay: 21.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.63 Mbit/s
95th percentile per-packet one-way delay: 22.045 ms
Loss rate: 0.00%

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

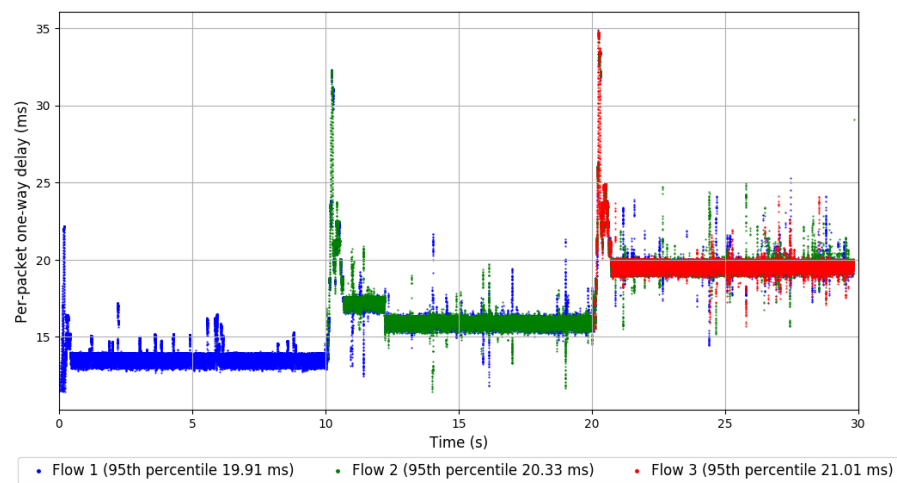
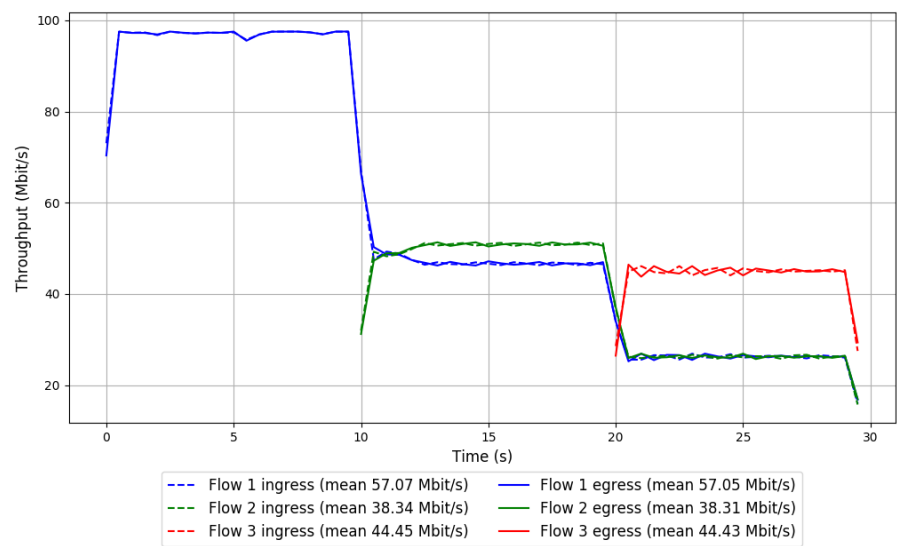


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-06 16:49:16
End at: 2018-03-06 16:49:46
Local clock offset: 2.614 ms
Remote clock offset: 26.052 ms

Below is generated by plot.py at 2018-03-06 19:48:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 19.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.05 Mbit/s
95th percentile per-packet one-way delay: 19.906 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 20.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.43 Mbit/s
95th percentile per-packet one-way delay: 21.008 ms
Loss rate: 0.00%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-06 17:10:25

End at: 2018-03-06 17:10:55

Local clock offset: 3.085 ms

Remote clock offset: -3.87 ms

Below is generated by plot.py at 2018-03-06 19:48:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: 19.232 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.84 Mbit/s

95th percentile per-packet one-way delay: 19.114 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 20.016 ms

Loss rate: 0.00%

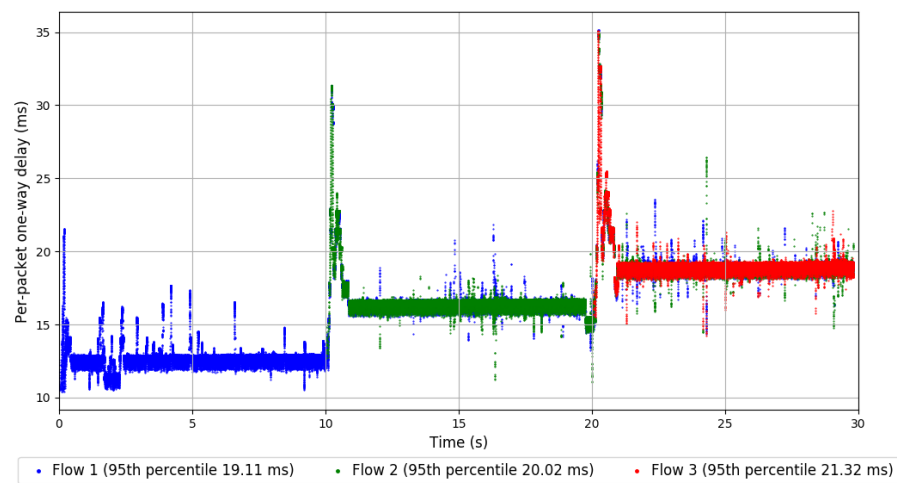
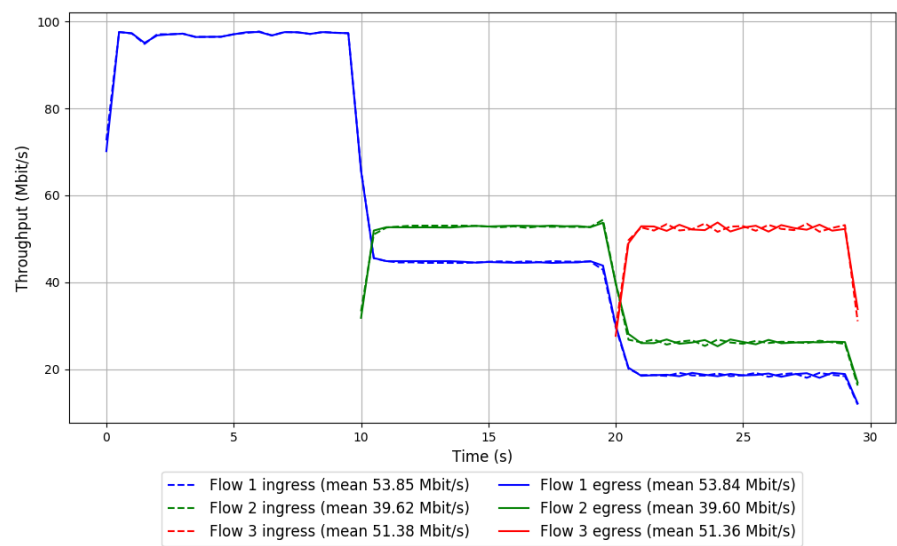
-- Flow 3:

Average throughput: 51.36 Mbit/s

95th percentile per-packet one-way delay: 21.319 ms

Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-03-06 17:31:45

End at: 2018-03-06 17:32:15

Local clock offset: 2.811 ms

Remote clock offset: -11.094 ms

Below is generated by plot.py at 2018-03-06 19:48:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 21.685 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.42 Mbit/s

95th percentile per-packet one-way delay: 21.444 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.18 Mbit/s

95th percentile per-packet one-way delay: 22.060 ms

Loss rate: 0.00%

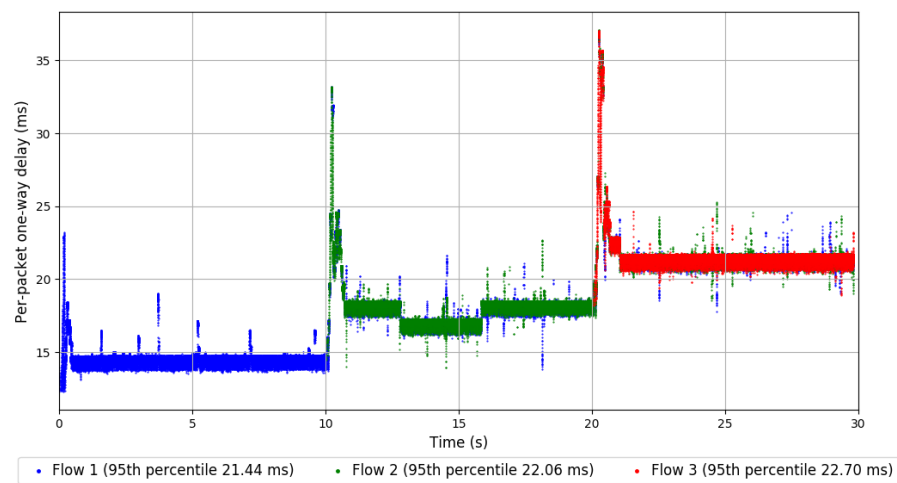
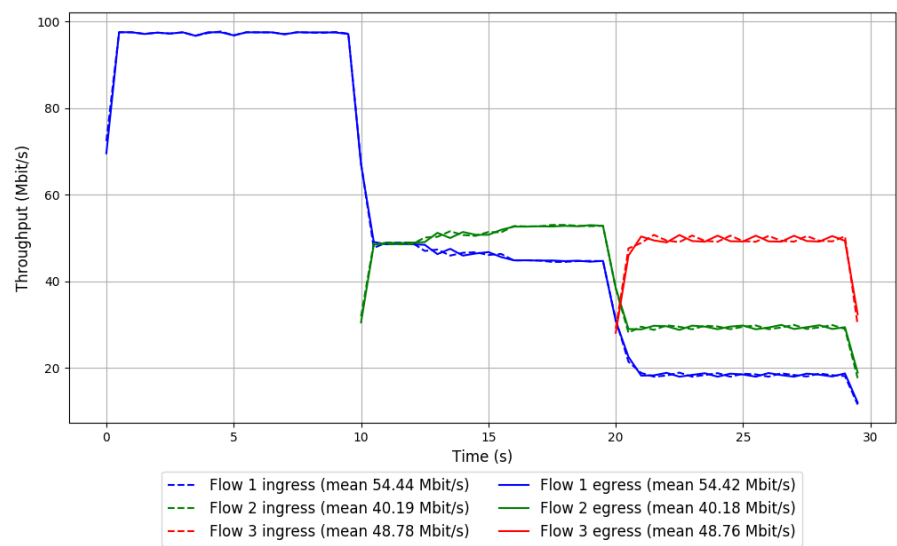
-- Flow 3:

Average throughput: 48.76 Mbit/s

95th percentile per-packet one-way delay: 22.695 ms

Loss rate: 0.00%

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

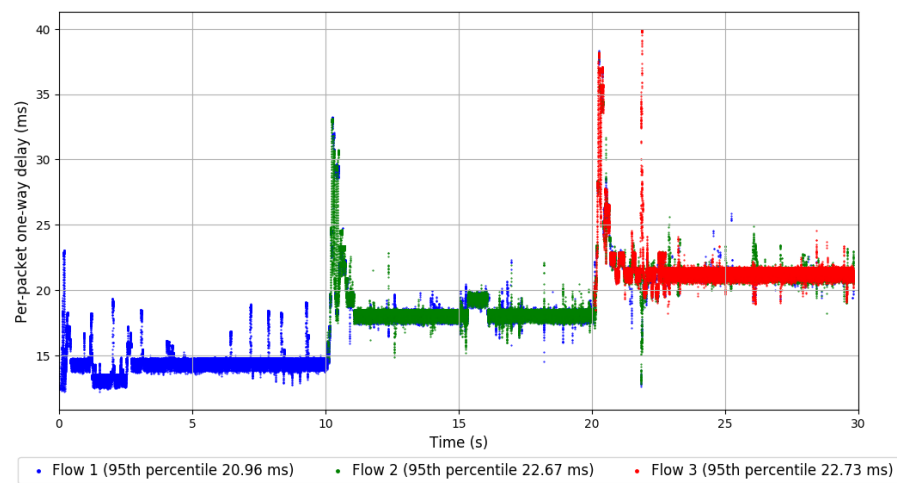
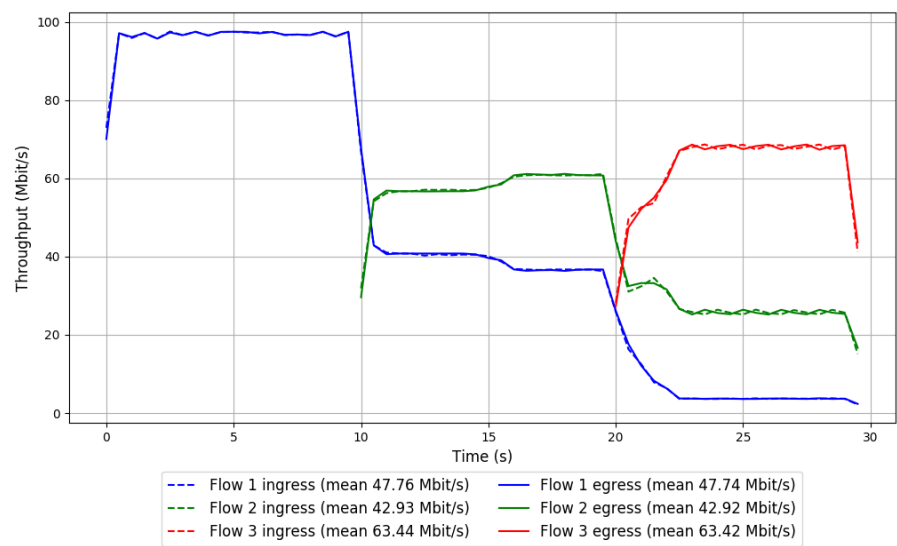


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-06 17:53:05
End at: 2018-03-06 17:53:35
Local clock offset: 2.704 ms
Remote clock offset: -18.874 ms

Below is generated by plot.py at 2018-03-06 19:48:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 22.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.74 Mbit/s
95th percentile per-packet one-way delay: 20.957 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.92 Mbit/s
95th percentile per-packet one-way delay: 22.668 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 22.725 ms
Loss rate: 0.00%

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

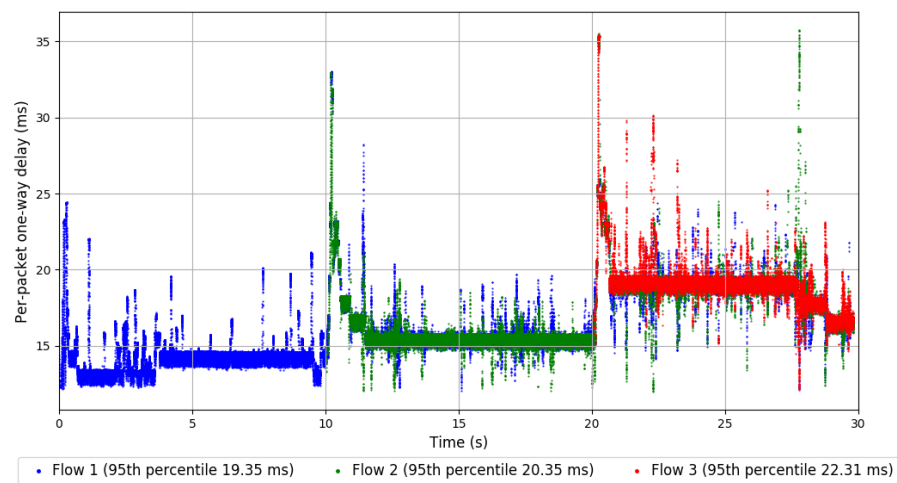
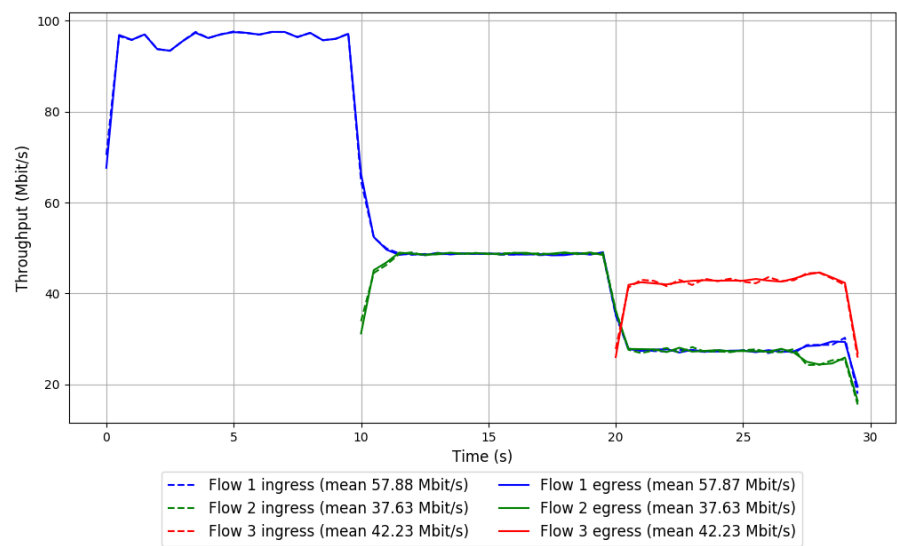


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-06 18:14:32
End at: 2018-03-06 18:15:02
Local clock offset: 3.815 ms
Remote clock offset: -2.872 ms

Below is generated by plot.py at 2018-03-06 19:48:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 19.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 19.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 20.346 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 22.312 ms
Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-06 18:35:48

End at: 2018-03-06 18:36:18

Local clock offset: 3.418 ms

Remote clock offset: 3.964 ms

Below is generated by plot.py at 2018-03-06 19:49:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 20.895 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.66 Mbit/s

95th percentile per-packet one-way delay: 20.660 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.95 Mbit/s

95th percentile per-packet one-way delay: 20.933 ms

Loss rate: 0.00%

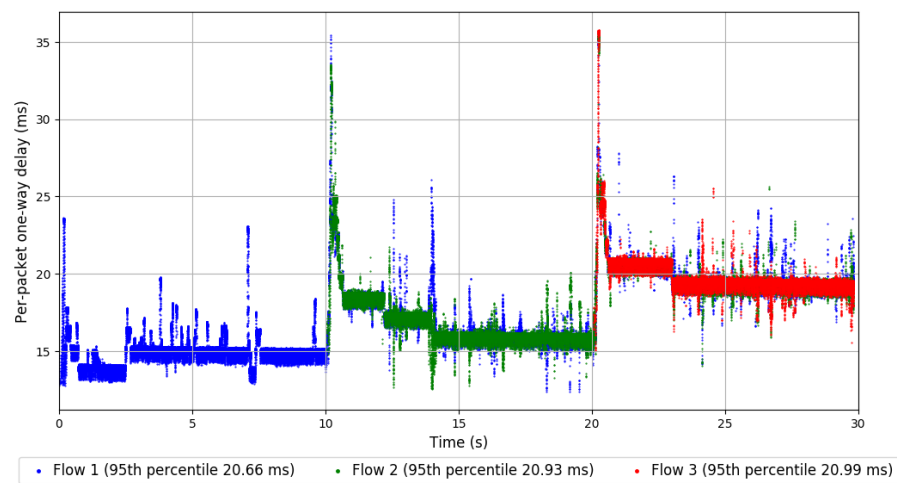
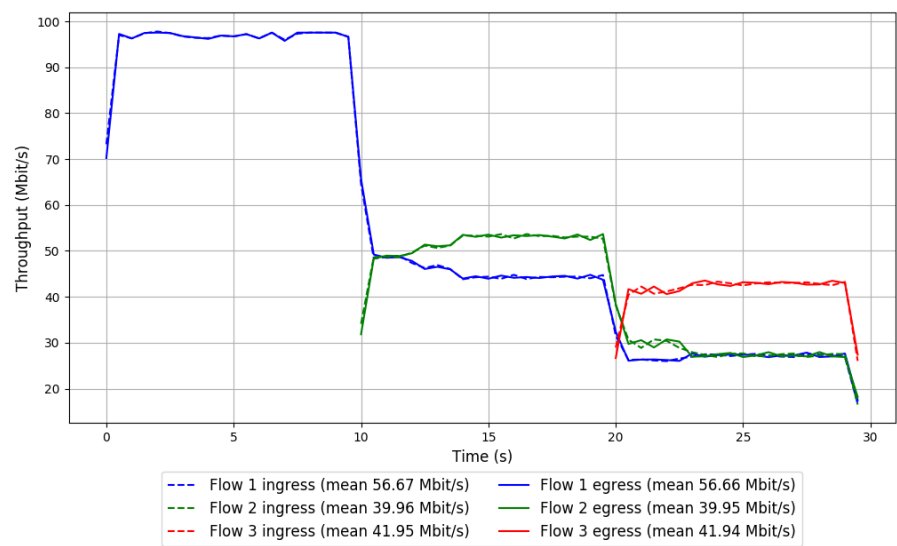
-- Flow 3:

Average throughput: 41.94 Mbit/s

95th percentile per-packet one-way delay: 20.994 ms

Loss rate: 0.00%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-03-06 15:32:10

End at: 2018-03-06 15:32:41

Local clock offset: 3.895 ms

Remote clock offset: 7.836 ms

Below is generated by plot.py at 2018-03-06 19:49:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.15 Mbit/s

95th percentile per-packet one-way delay: 16.182 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.18 Mbit/s

95th percentile per-packet one-way delay: 15.867 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.13 Mbit/s

95th percentile per-packet one-way delay: 16.413 ms

Loss rate: 0.00%

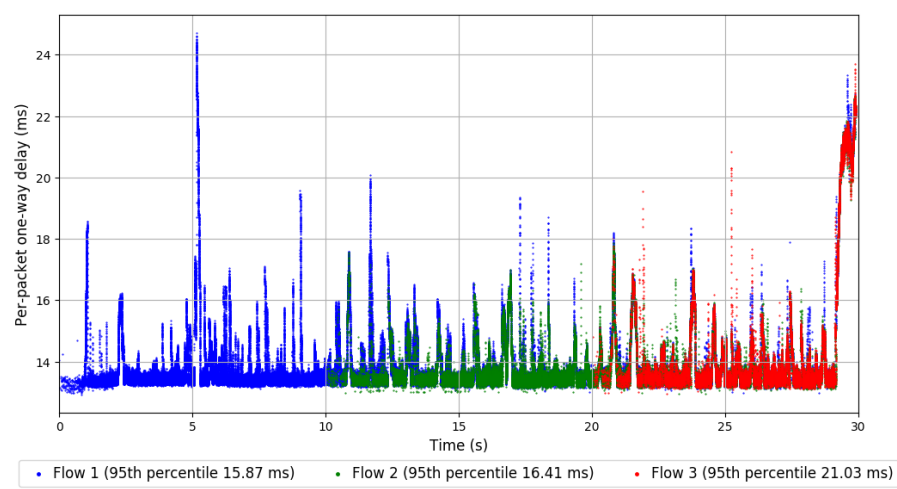
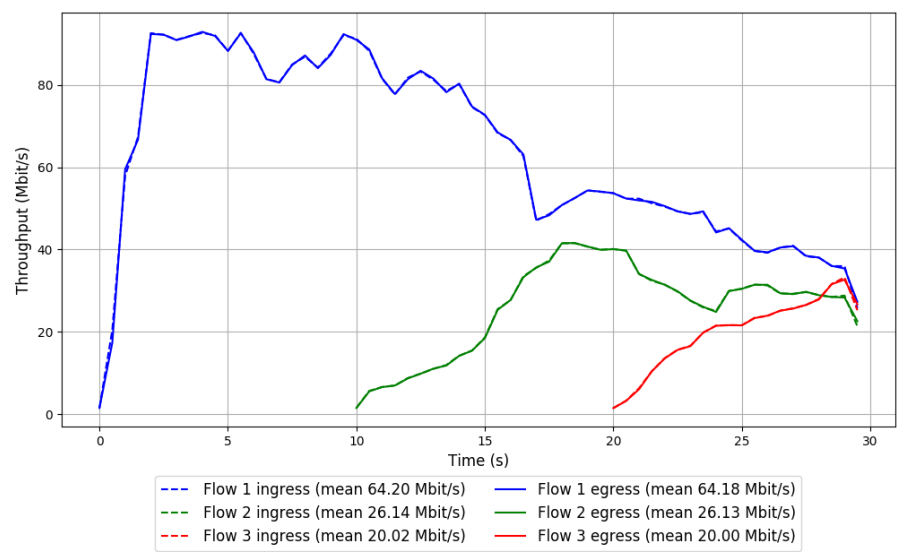
-- Flow 3:

Average throughput: 20.00 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

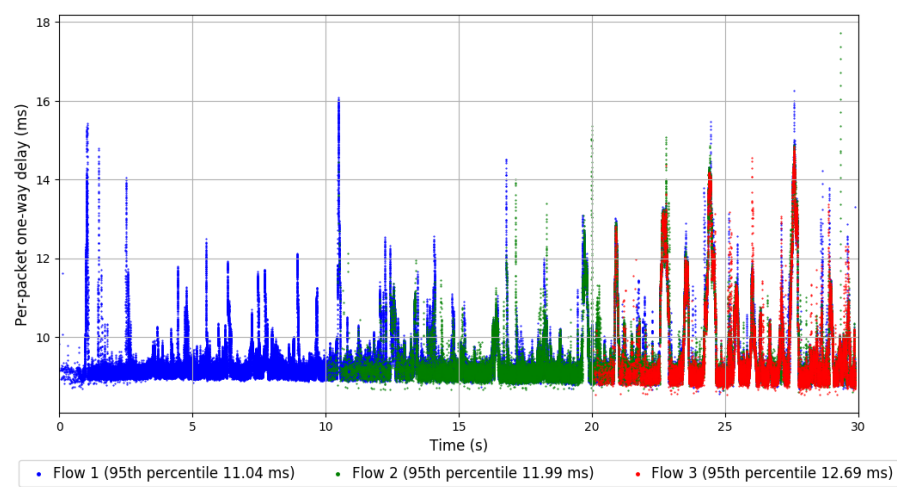
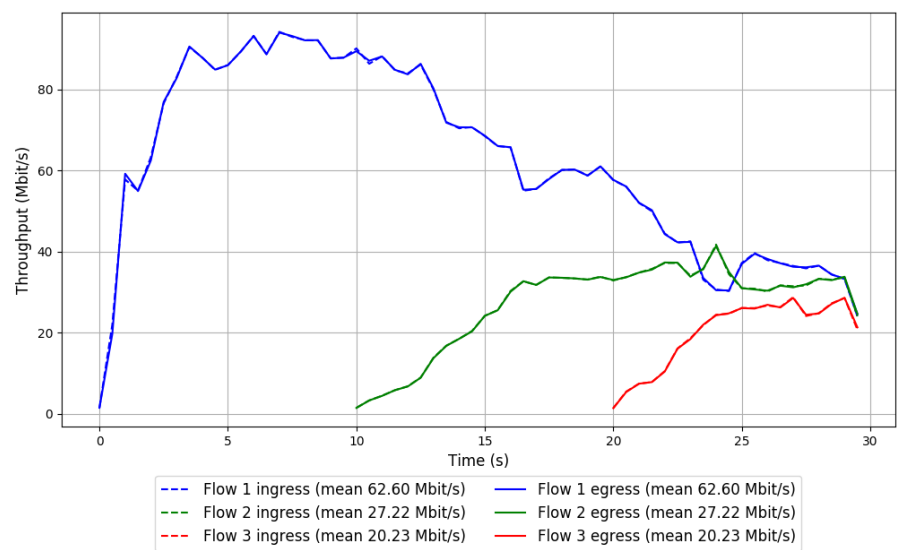


Run 2: Statistics of Vivace-latency

Start at: 2018-03-06 15:53:32
End at: 2018-03-06 15:54:02
Local clock offset: 7.176 ms
Remote clock offset: 14.793 ms

Below is generated by plot.py at 2018-03-06 19:49:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.35 Mbit/s
95th percentile per-packet one-way delay: 11.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.60 Mbit/s
95th percentile per-packet one-way delay: 11.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 11.994 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 12.690 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

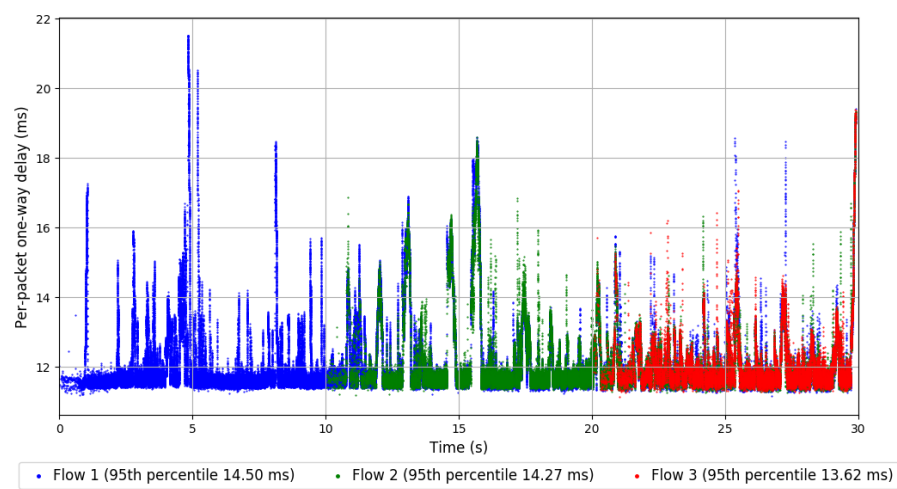
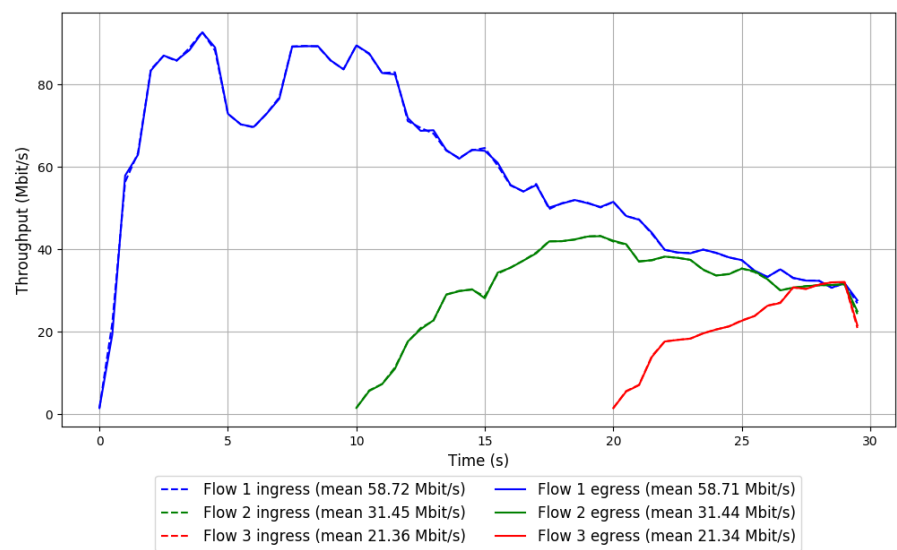


Run 3: Statistics of Vivace-latency

Start at: 2018-03-06 16:14:58
End at: 2018-03-06 16:15:28
Local clock offset: 3.994 ms
Remote clock offset: 20.373 ms

```
# Below is generated by plot.py at 2018-03-06 19:50:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 14.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 14.499 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 14.268 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 13.624 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link

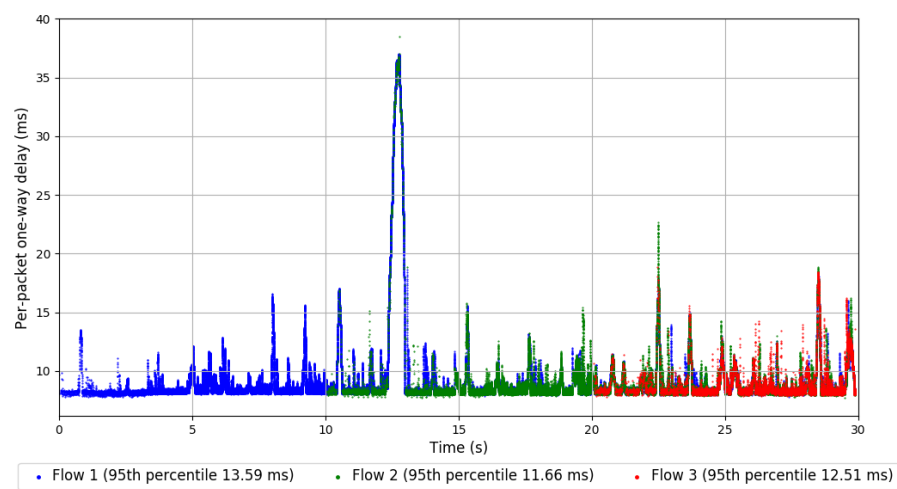
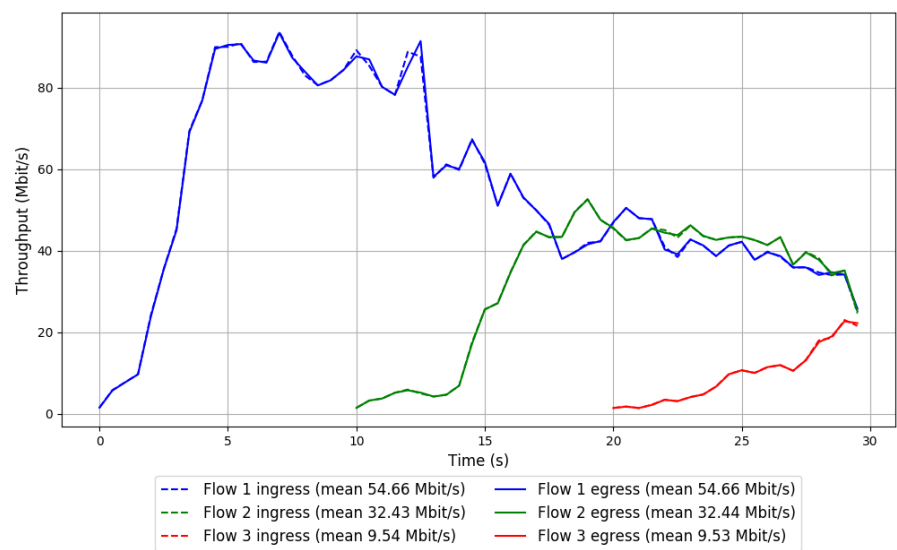


Run 4: Statistics of Vivace-latency

Start at: 2018-03-06 16:36:17
End at: 2018-03-06 16:36:47
Local clock offset: 6.71 ms
Remote clock offset: 24.168 ms

```
# Below is generated by plot.py at 2018-03-06 19:50:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.35 Mbit/s
95th percentile per-packet one-way delay: 12.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.66 Mbit/s
95th percentile per-packet one-way delay: 13.589 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 11.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 12.508 ms
Loss rate: 0.00%
```


Run 4: Report of Vivace-latency — Data Link

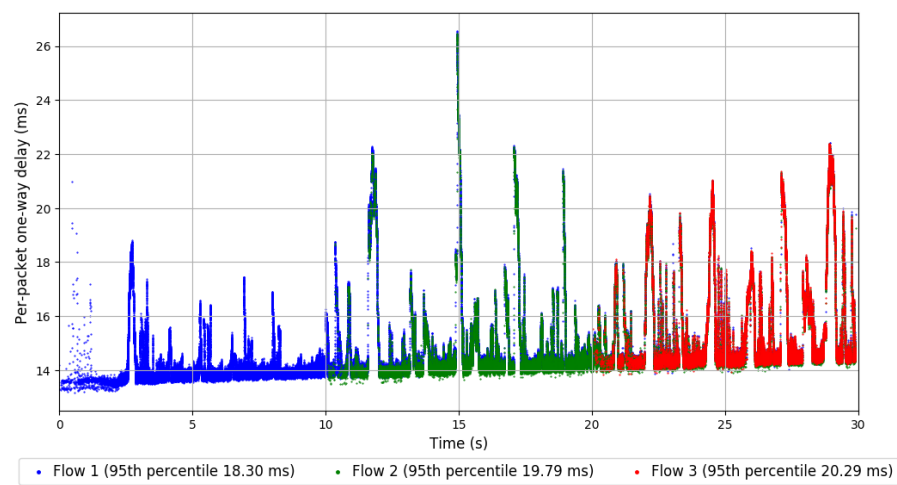
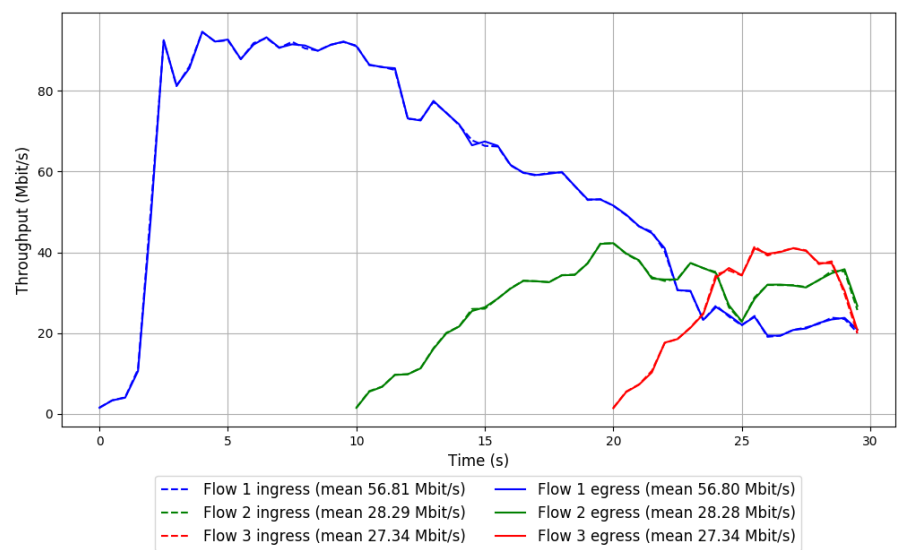


Run 5: Statistics of Vivace-latency

Start at: 2018-03-06 16:57:28
End at: 2018-03-06 16:57:58
Local clock offset: 1.968 ms
Remote clock offset: 12.129 ms

Below is generated by plot.py at 2018-03-06 19:50:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 19.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 18.297 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.28 Mbit/s
95th percentile per-packet one-way delay: 19.791 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 20.293 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-06 17:18:39

End at: 2018-03-06 17:19:09

Local clock offset: 4.313 ms

Remote clock offset: -6.82 ms

Below is generated by plot.py at 2018-03-06 19:50:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 20.926 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 56.42 Mbit/s

95th percentile per-packet one-way delay: 21.298 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 36.70 Mbit/s

95th percentile per-packet one-way delay: 22.197 ms

Loss rate: 0.45%

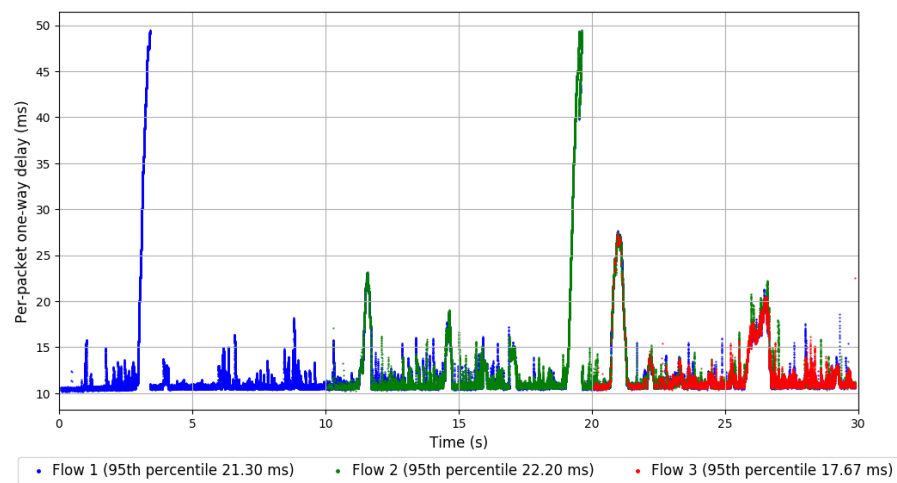
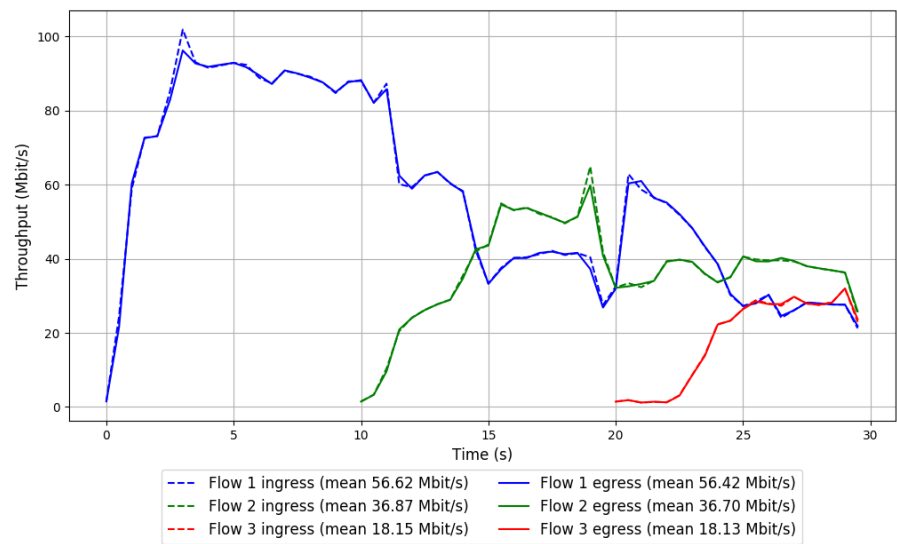
-- Flow 3:

Average throughput: 18.13 Mbit/s

95th percentile per-packet one-way delay: 17.674 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

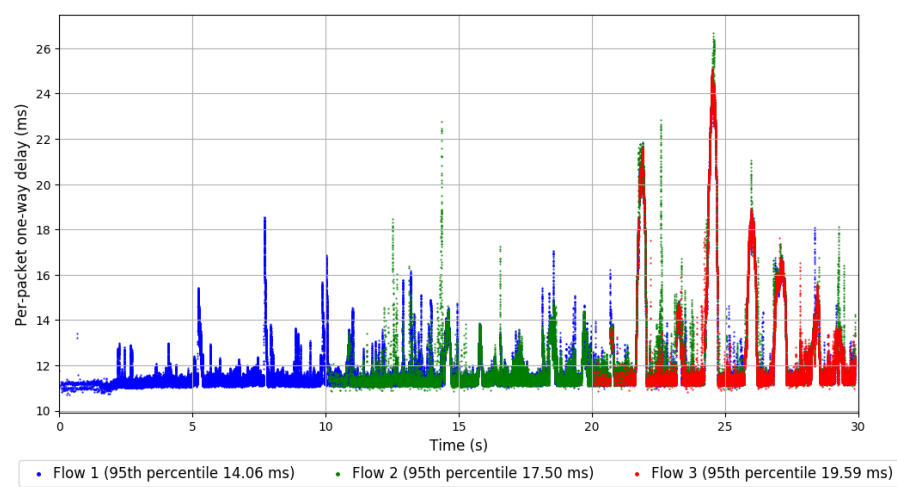
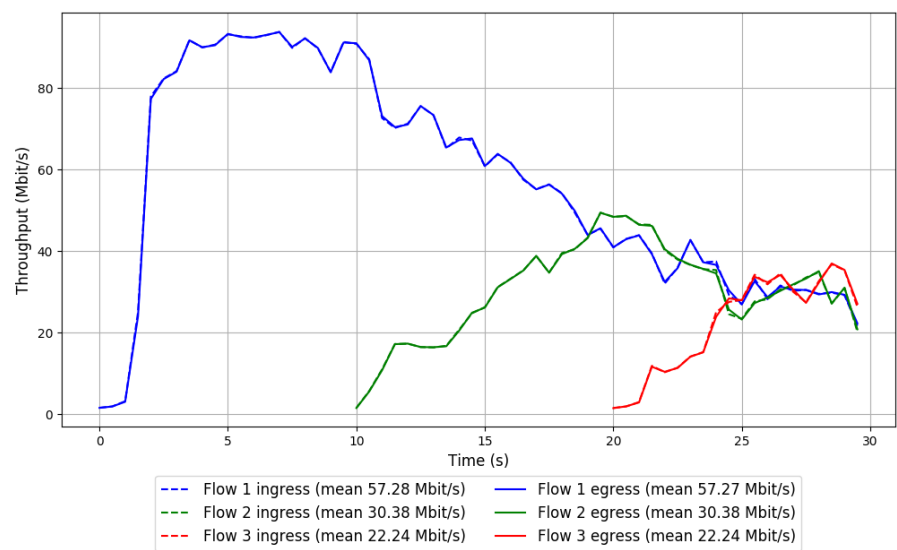


Run 7: Statistics of Vivace-latency

Start at: 2018-03-06 17:40:04
End at: 2018-03-06 17:40:34
Local clock offset: 3.965 ms
Remote clock offset: -14.441 ms

Below is generated by plot.py at 2018-03-06 19:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 15.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.27 Mbit/s
95th percentile per-packet one-way delay: 14.065 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 17.501 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 19.594 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

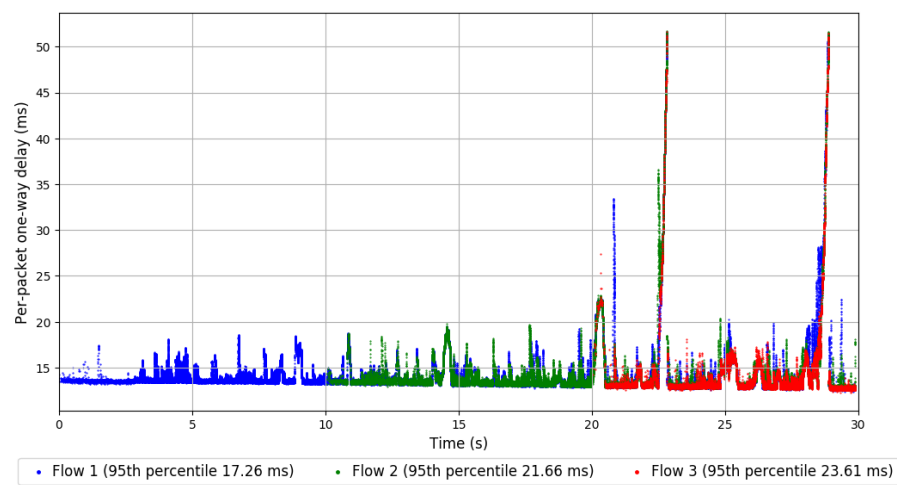
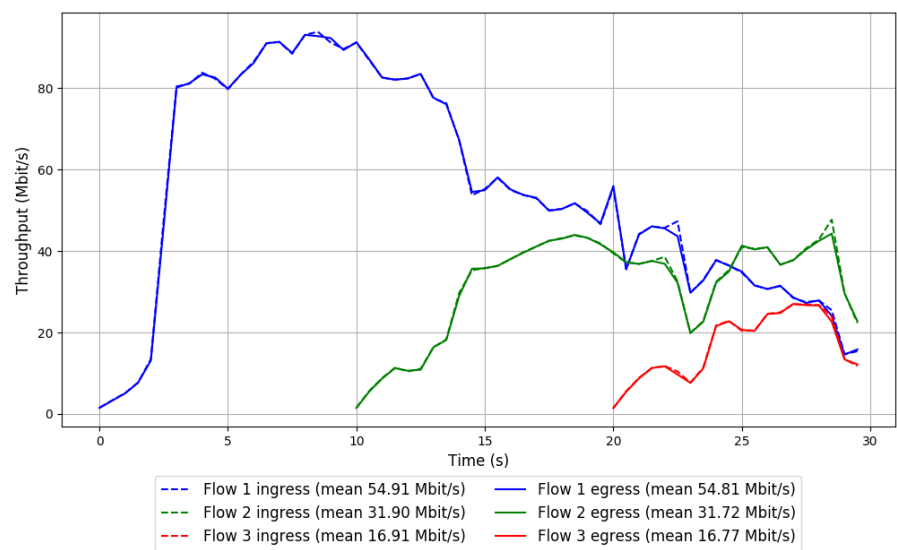


Run 8: Statistics of Vivace-latency

Start at: 2018-03-06 18:01:23
End at: 2018-03-06 18:01:53
Local clock offset: 1.65 ms
Remote clock offset: -16.622 ms

Below is generated by plot.py at 2018-03-06 19:50:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.43 Mbit/s
95th percentile per-packet one-way delay: 18.022 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 17.262 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 21.655 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 23.607 ms
Loss rate: 0.89%

Run 8: Report of Vivace-latency — Data Link

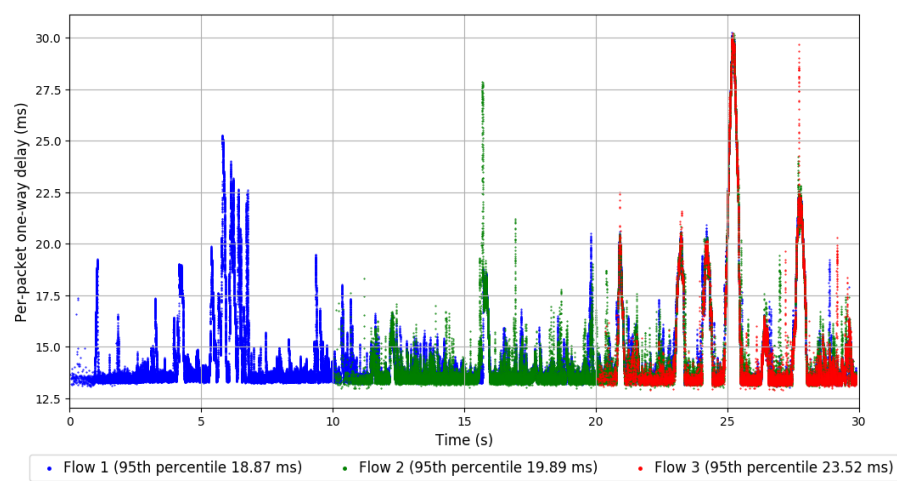
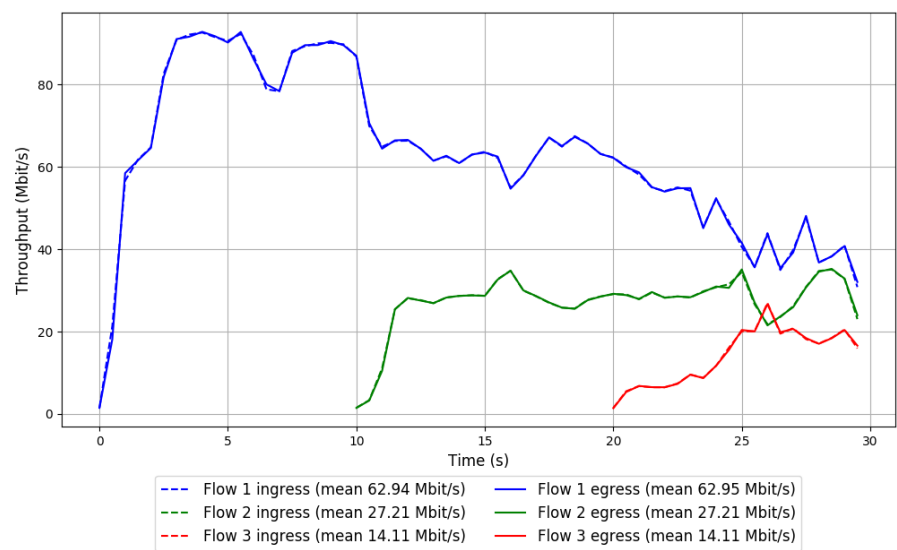


Run 9: Statistics of Vivace-latency

Start at: 2018-03-06 18:22:44
End at: 2018-03-06 18:23:14
Local clock offset: 3.073 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-03-06 19:50:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.95 Mbit/s
95th percentile per-packet one-way delay: 18.874 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.21 Mbit/s
95th percentile per-packet one-way delay: 19.888 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 23.522 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

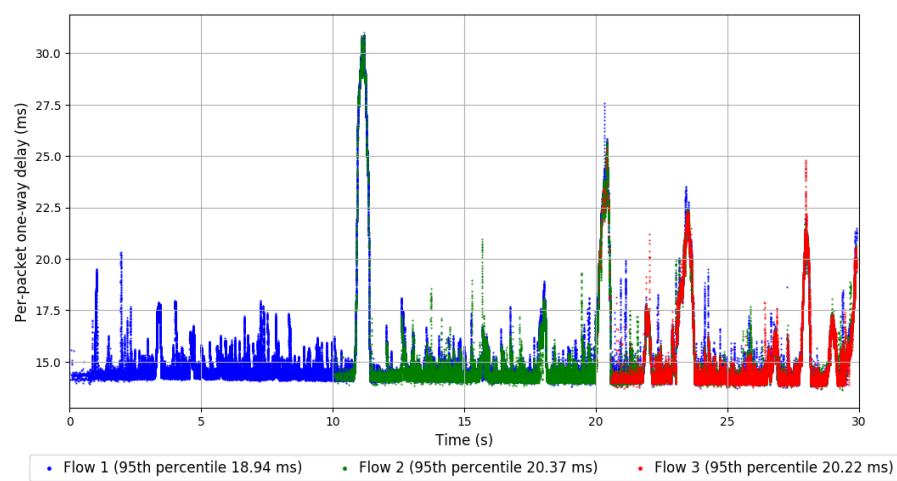
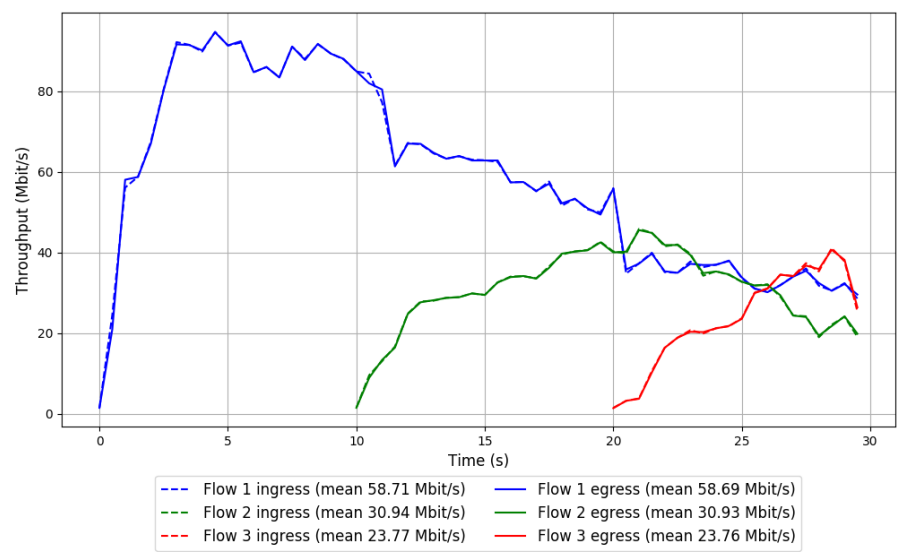


Run 10: Statistics of Vivace-latency

Start at: 2018-03-06 18:44:12
End at: 2018-03-06 18:44:42
Local clock offset: 2.942 ms
Remote clock offset: 13.544 ms

Below is generated by plot.py at 2018-03-06 19:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 19.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 18.943 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 20.372 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 20.223 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-03-06 15:17:52

End at: 2018-03-06 15:18:22

Local clock offset: 3.689 ms

Remote clock offset: 3.549 ms

Below is generated by plot.py at 2018-03-06 19:51:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 47.684 ms

Loss rate: 14.17%

-- Flow 1:

Average throughput: 55.54 Mbit/s

95th percentile per-packet one-way delay: 47.286 ms

Loss rate: 13.15%

-- Flow 2:

Average throughput: 40.73 Mbit/s

95th percentile per-packet one-way delay: 48.209 ms

Loss rate: 16.09%

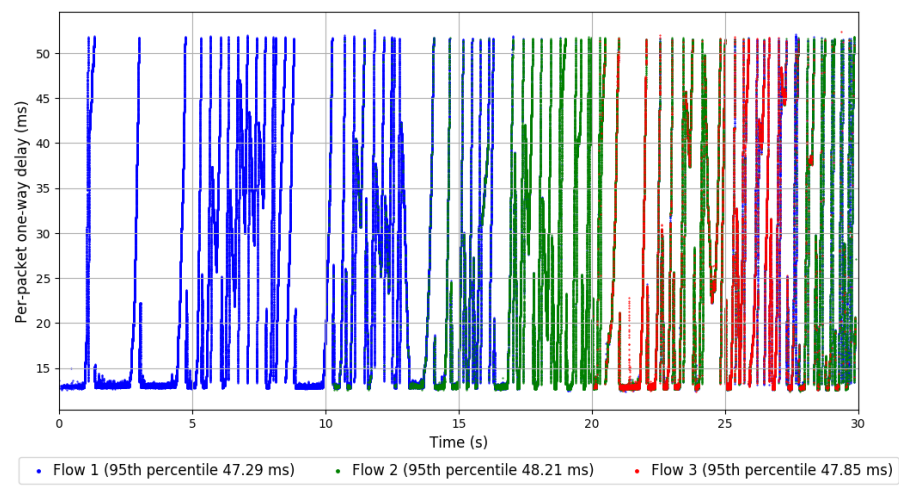
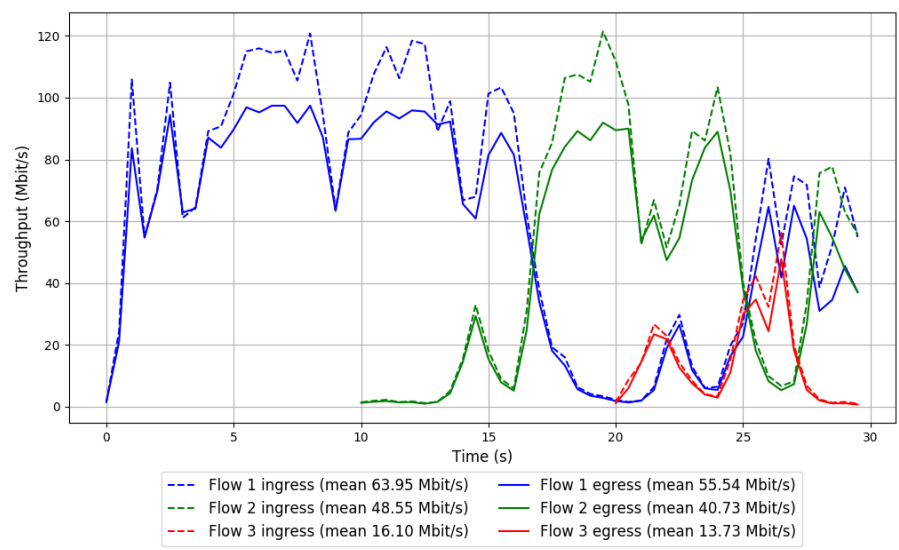
-- Flow 3:

Average throughput: 13.73 Mbit/s

95th percentile per-packet one-way delay: 47.855 ms

Loss rate: 14.73%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-03-06 15:39:09

End at: 2018-03-06 15:39:39

Local clock offset: 5.728 ms

Remote clock offset: 6.701 ms

Below is generated by plot.py at 2018-03-06 19:51:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.40 Mbit/s

95th percentile per-packet one-way delay: 44.110 ms

Loss rate: 12.64%

-- Flow 1:

Average throughput: 55.98 Mbit/s

95th percentile per-packet one-way delay: 44.281 ms

Loss rate: 12.38%

-- Flow 2:

Average throughput: 38.65 Mbit/s

95th percentile per-packet one-way delay: 43.875 ms

Loss rate: 13.43%

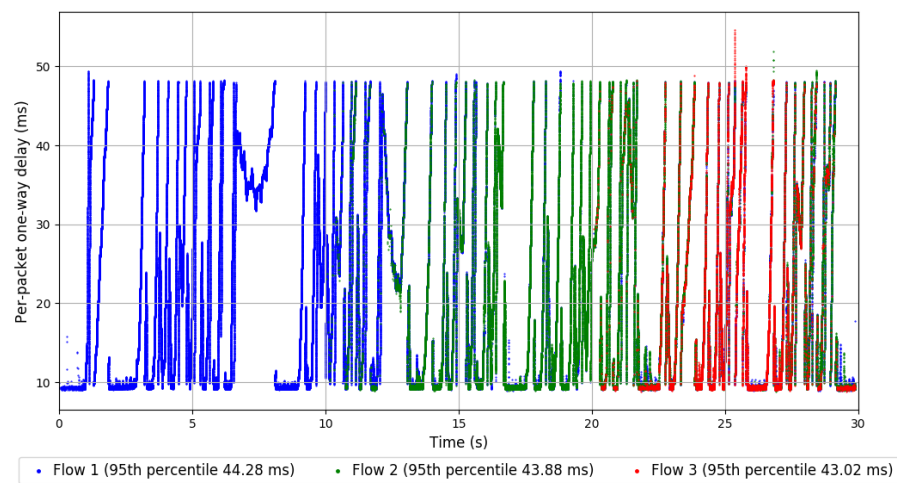
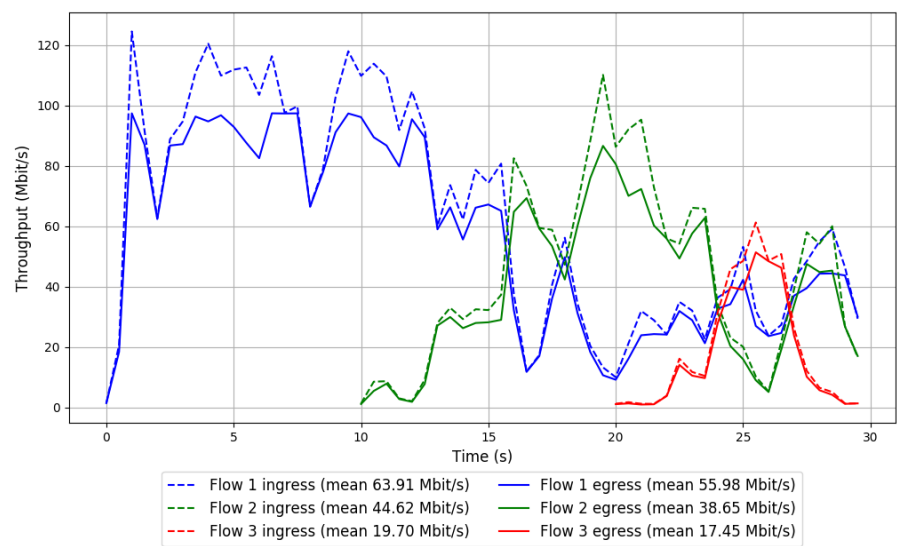
-- Flow 3:

Average throughput: 17.45 Mbit/s

95th percentile per-packet one-way delay: 43.020 ms

Loss rate: 11.58%

Run 2: Report of Vivace-loss — Data Link

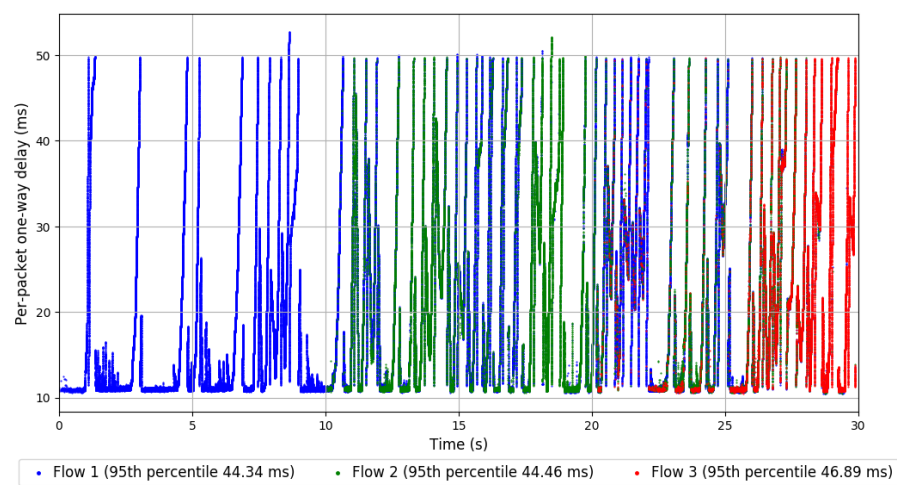
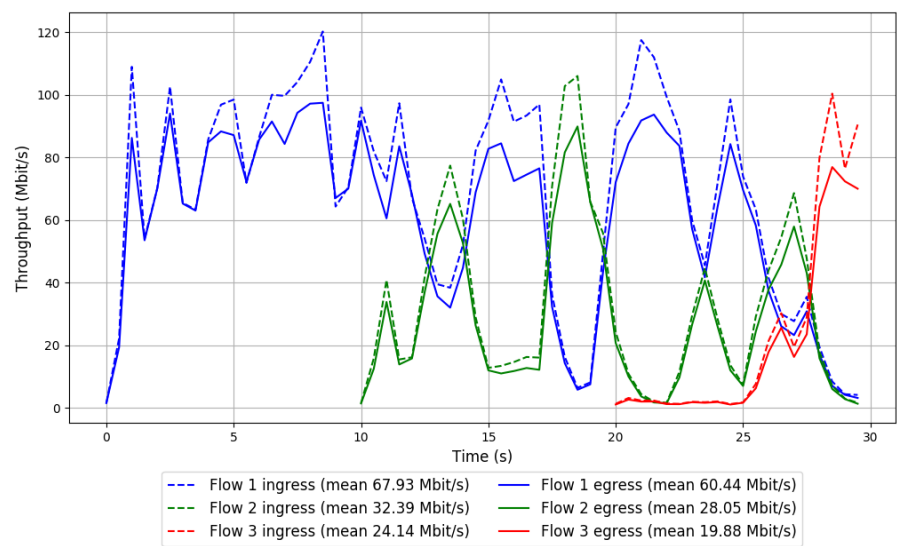


Run 3: Statistics of Vivace-loss

Start at: 2018-03-06 16:00:28
End at: 2018-03-06 16:00:58
Local clock offset: 4.632 ms
Remote clock offset: 16.768 ms

Below is generated by plot.py at 2018-03-06 19:51:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 44.630 ms
Loss rate: 12.09%
-- Flow 1:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 44.341 ms
Loss rate: 11.02%
-- Flow 2:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 44.459 ms
Loss rate: 13.38%
-- Flow 3:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 46.892 ms
Loss rate: 17.74%

Run 3: Report of Vivace-loss — Data Link

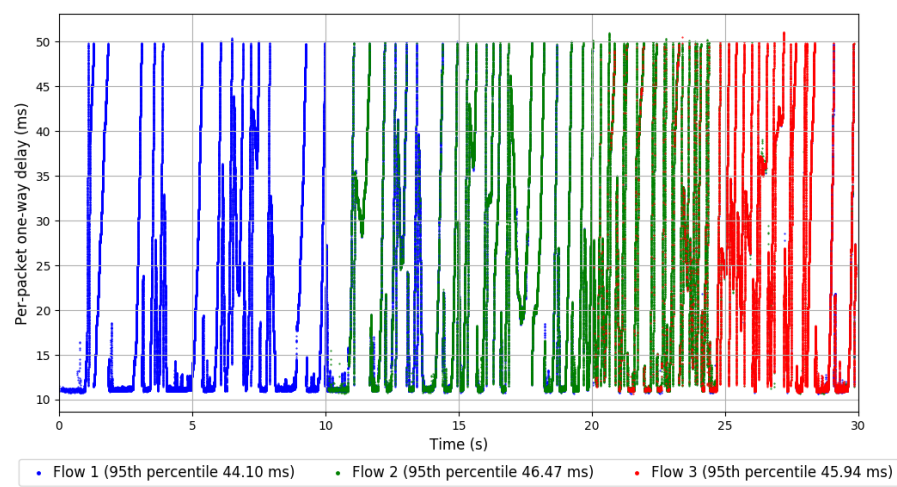
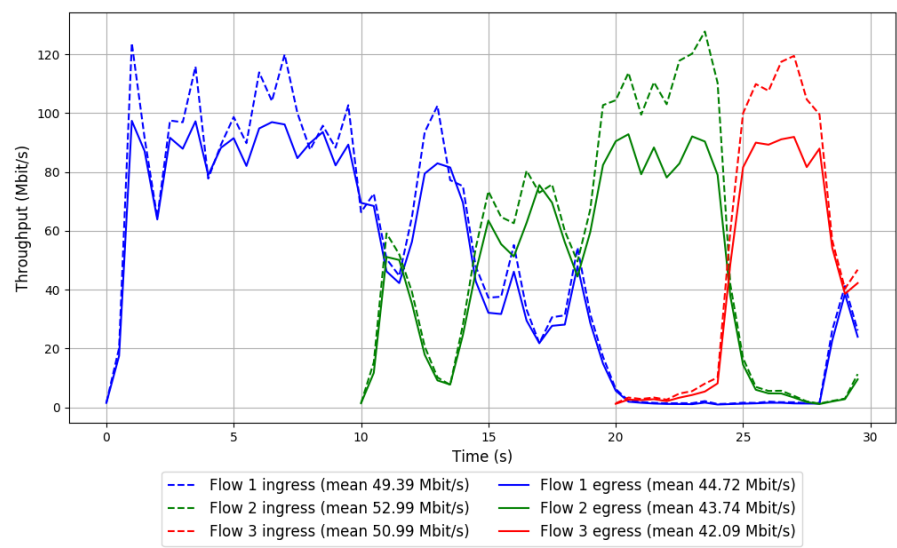


Run 4: Statistics of Vivace-loss

Start at: 2018-03-06 16:21:58
End at: 2018-03-06 16:22:28
Local clock offset: 3.291 ms
Remote clock offset: 20.616 ms

```
# Below is generated by plot.py at 2018-03-06 19:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 45.412 ms
Loss rate: 13.54%
-- Flow 1:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 44.103 ms
Loss rate: 9.41%
-- Flow 2:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 46.472 ms
Loss rate: 17.47%
-- Flow 3:
Average throughput: 42.09 Mbit/s
95th percentile per-packet one-way delay: 45.935 ms
Loss rate: 17.41%
```

Run 4: Report of Vivace-loss — Data Link

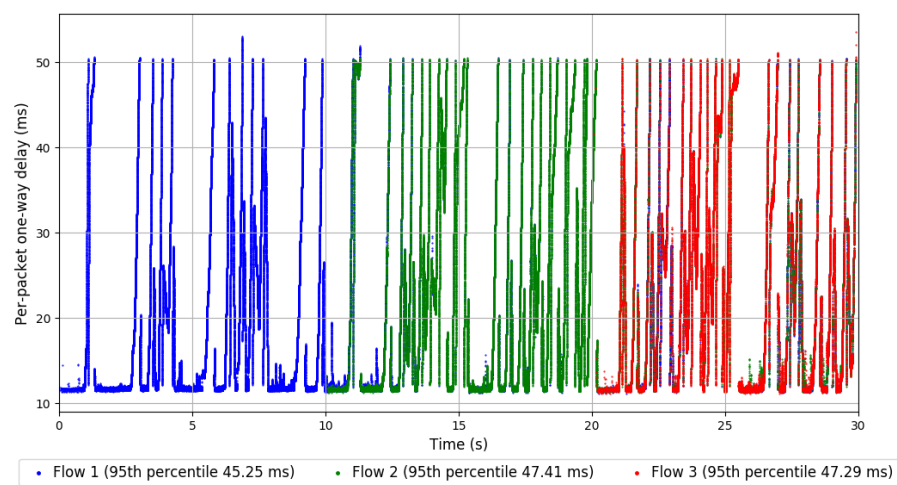
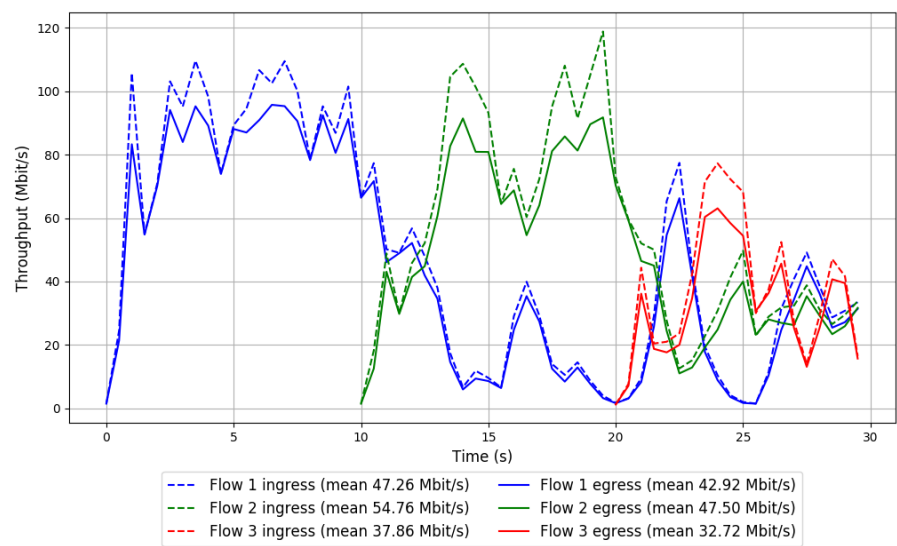


Run 5: Statistics of Vivace-loss

Start at: 2018-03-06 16:43:16
End at: 2018-03-06 16:43:46
Local clock offset: 2.531 ms
Remote clock offset: 24.728 ms

Below is generated by plot.py at 2018-03-06 19:51:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 46.701 ms
Loss rate: 11.23%
-- Flow 1:
Average throughput: 42.92 Mbit/s
95th percentile per-packet one-way delay: 45.254 ms
Loss rate: 9.10%
-- Flow 2:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 47.408 ms
Loss rate: 13.17%
-- Flow 3:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 47.288 ms
Loss rate: 13.64%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-06 17:04:21

End at: 2018-03-06 17:04:51

Local clock offset: 0.731 ms

Remote clock offset: 1.959 ms

Below is generated by plot.py at 2018-03-06 19:51:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 48.545 ms

Loss rate: 14.15%

-- Flow 1:

Average throughput: 52.67 Mbit/s

95th percentile per-packet one-way delay: 48.094 ms

Loss rate: 12.35%

-- Flow 2:

Average throughput: 39.48 Mbit/s

95th percentile per-packet one-way delay: 48.709 ms

Loss rate: 15.22%

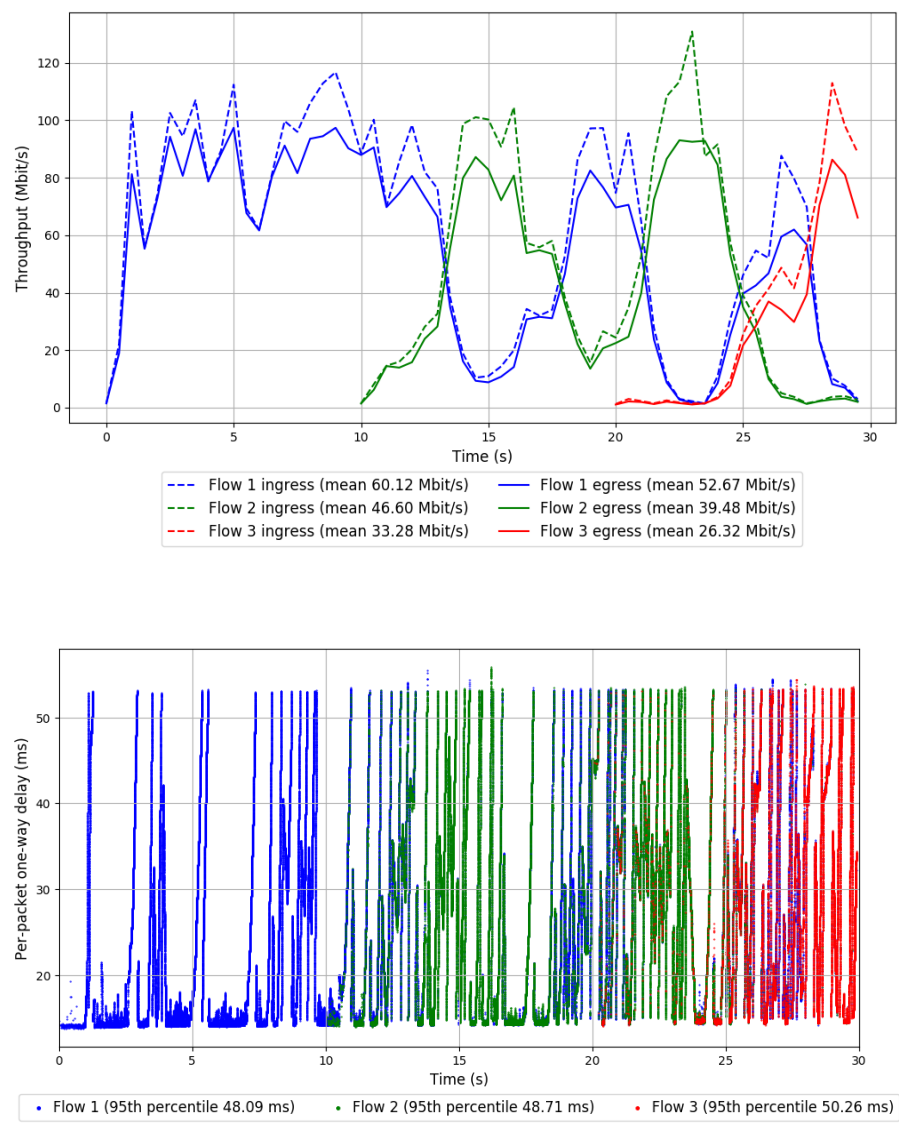
-- Flow 3:

Average throughput: 26.32 Mbit/s

95th percentile per-packet one-way delay: 50.255 ms

Loss rate: 21.02%

Run 6: Report of Vivace-loss — Data Link

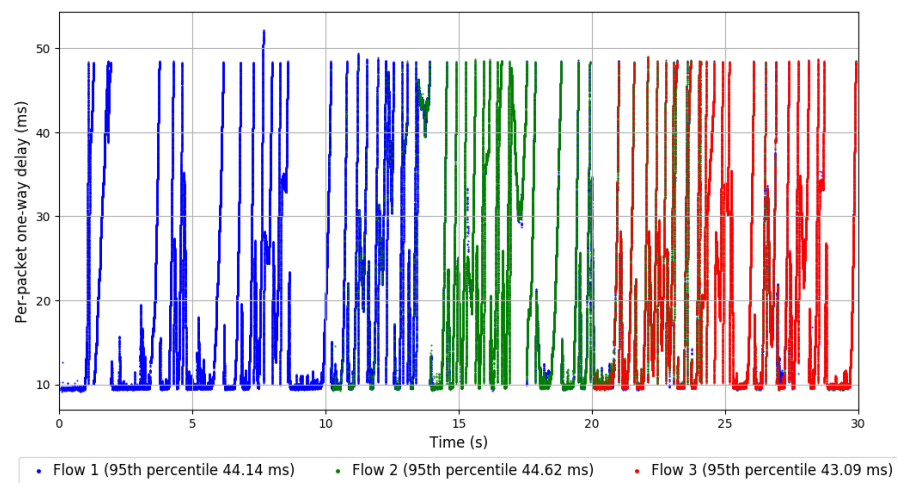
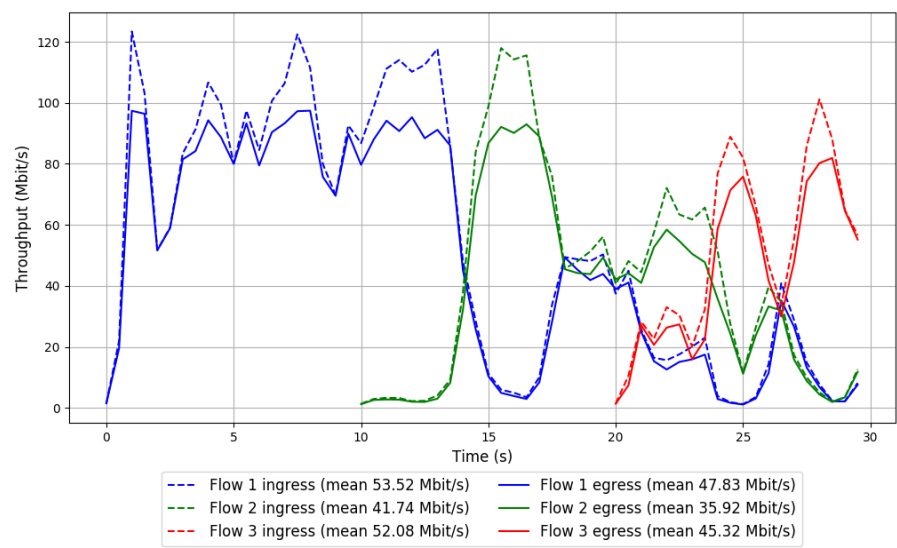


Run 7: Statistics of Vivace-loss

Start at: 2018-03-06 17:25:40
End at: 2018-03-06 17:26:10
Local clock offset: 5.426 ms
Remote clock offset: -9.474 ms

Below is generated by plot.py at 2018-03-06 19:51:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 44.134 ms
Loss rate: 11.91%
-- Flow 1:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 44.139 ms
Loss rate: 10.57%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 44.616 ms
Loss rate: 13.92%
-- Flow 3:
Average throughput: 45.32 Mbit/s
95th percentile per-packet one-way delay: 43.090 ms
Loss rate: 12.87%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-06 17:47:00

End at: 2018-03-06 17:47:30

Local clock offset: 4.464 ms

Remote clock offset: -16.372 ms

Below is generated by plot.py at 2018-03-06 19:52:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 45.002 ms

Loss rate: 10.49%

-- Flow 1:

Average throughput: 55.43 Mbit/s

95th percentile per-packet one-way delay: 44.537 ms

Loss rate: 9.79%

-- Flow 2:

Average throughput: 38.32 Mbit/s

95th percentile per-packet one-way delay: 45.734 ms

Loss rate: 11.54%

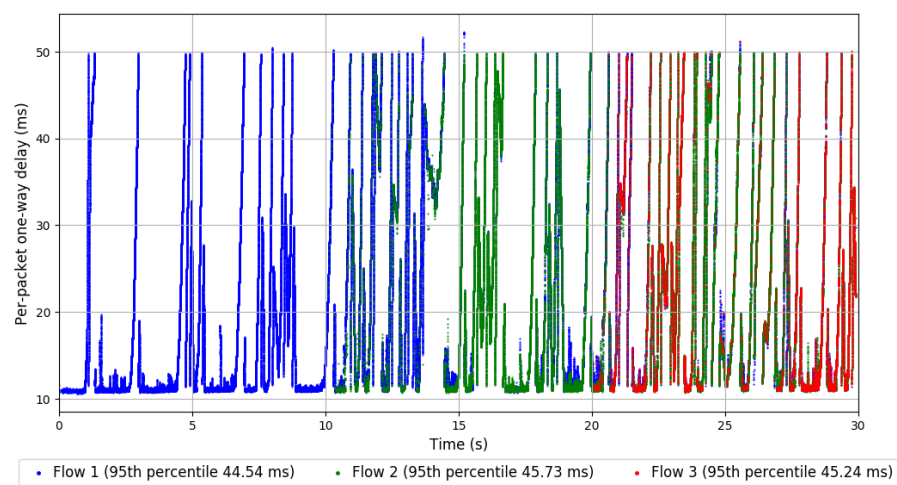
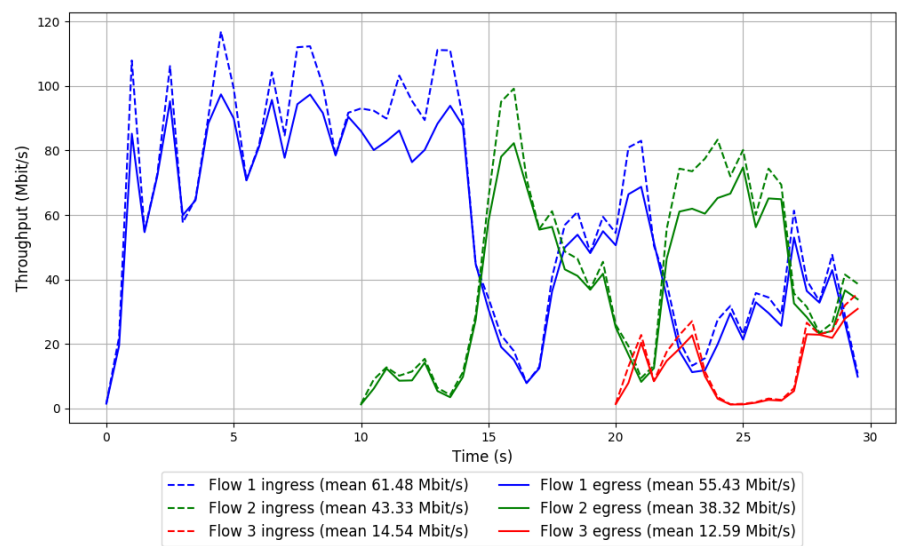
-- Flow 3:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 45.238 ms

Loss rate: 13.23%

Run 8: Report of Vivace-loss — Data Link

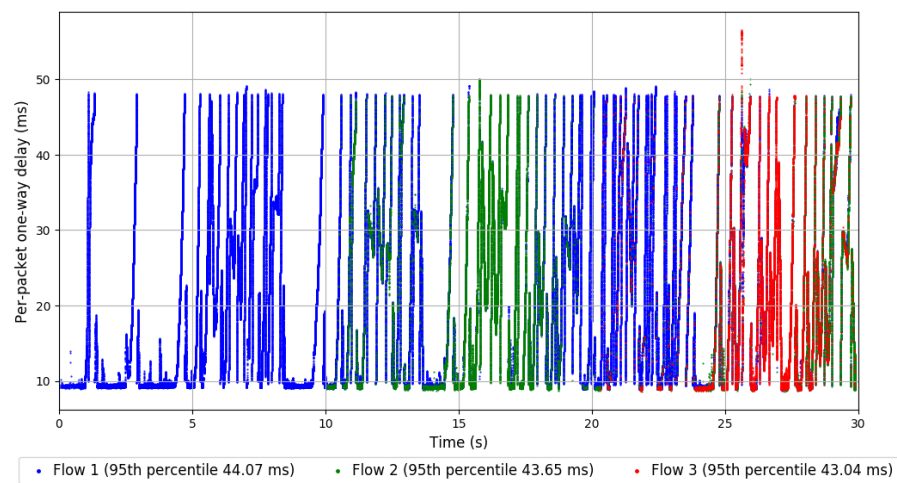
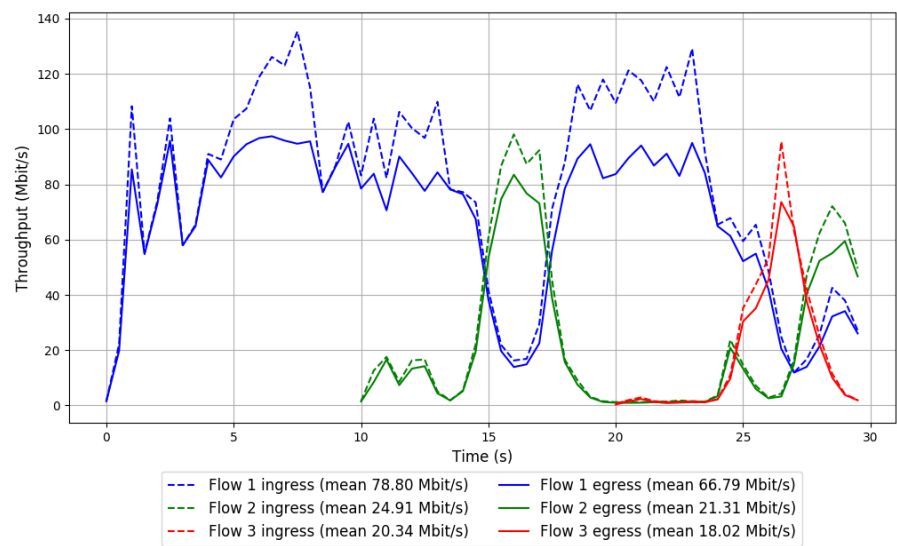


Run 9: Statistics of Vivace-loss

Start at: 2018-03-06 18:08:23
End at: 2018-03-06 18:08:53
Local clock offset: 5.995 ms
Remote clock offset: -7.029 ms

Below is generated by plot.py at 2018-03-06 19:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 43.941 ms
Loss rate: 15.01%
-- Flow 1:
Average throughput: 66.79 Mbit/s
95th percentile per-packet one-way delay: 44.074 ms
Loss rate: 15.24%
-- Flow 2:
Average throughput: 21.31 Mbit/s
95th percentile per-packet one-way delay: 43.652 ms
Loss rate: 14.45%
-- Flow 3:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 43.037 ms
Loss rate: 13.66%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-06 18:29:45

End at: 2018-03-06 18:30:15

Local clock offset: 4.881 ms

Remote clock offset: 0.483 ms

Below is generated by plot.py at 2018-03-06 19:53:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 46.413 ms

Loss rate: 15.12%

-- Flow 1:

Average throughput: 54.62 Mbit/s

95th percentile per-packet one-way delay: 46.832 ms

Loss rate: 15.81%

-- Flow 2:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 45.472 ms

Loss rate: 13.99%

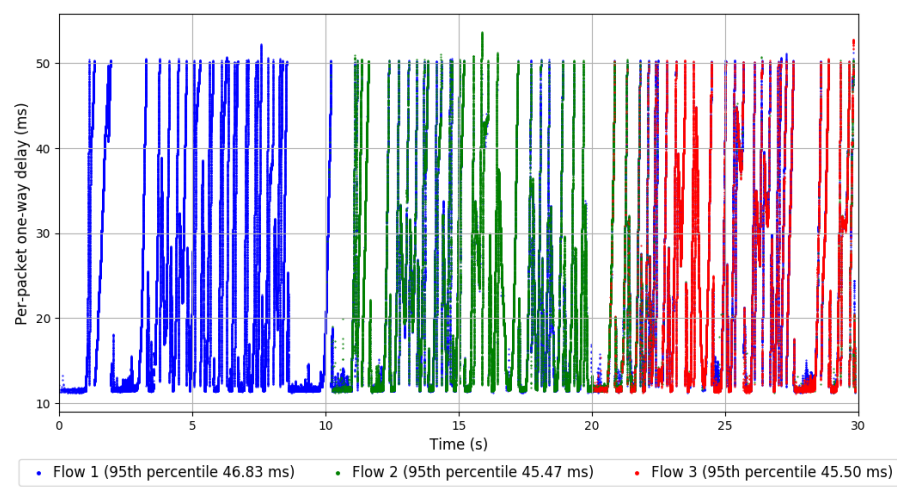
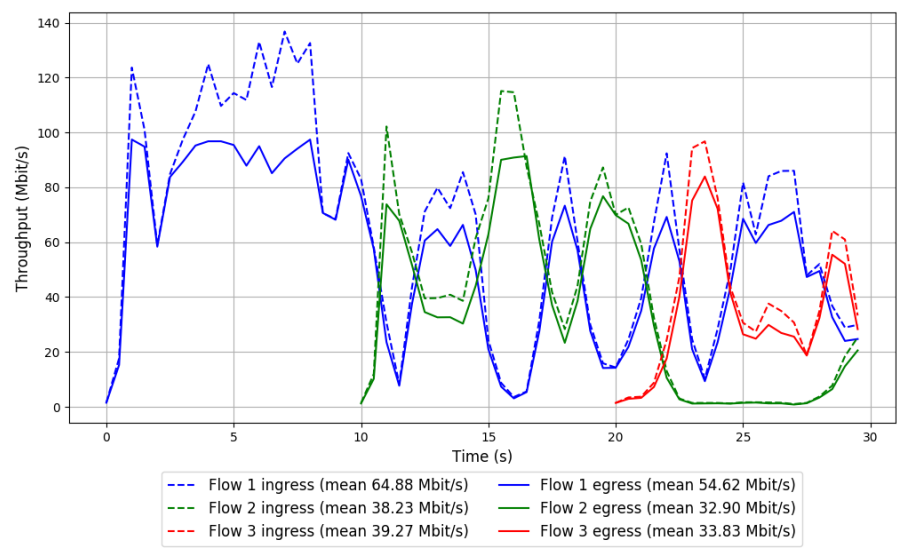
-- Flow 3:

Average throughput: 33.83 Mbit/s

95th percentile per-packet one-way delay: 45.499 ms

Loss rate: 13.86%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-03-06 15:33:22

End at: 2018-03-06 15:33:52

Local clock offset: 7.201 ms

Remote clock offset: 7.444 ms

Below is generated by plot.py at 2018-03-06 19:53:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 40.046 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 56.72 Mbit/s

95th percentile per-packet one-way delay: 39.209 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 28.27 Mbit/s

95th percentile per-packet one-way delay: 40.922 ms

Loss rate: 1.71%

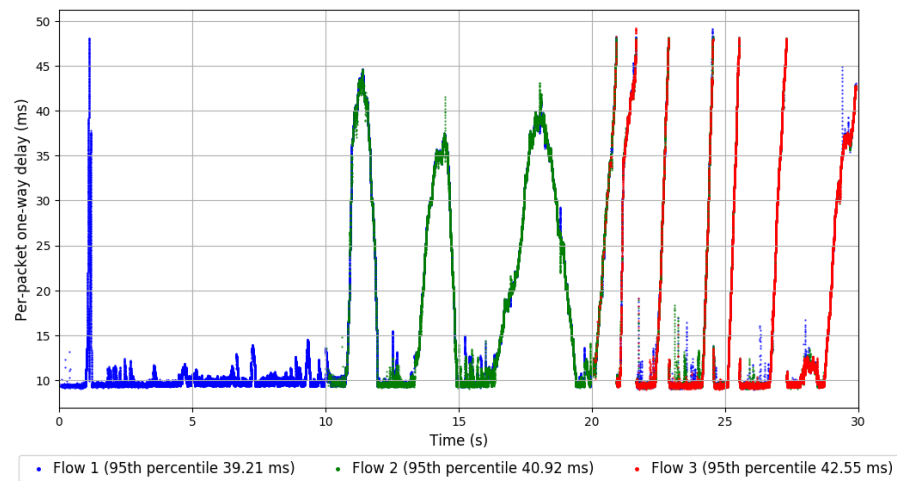
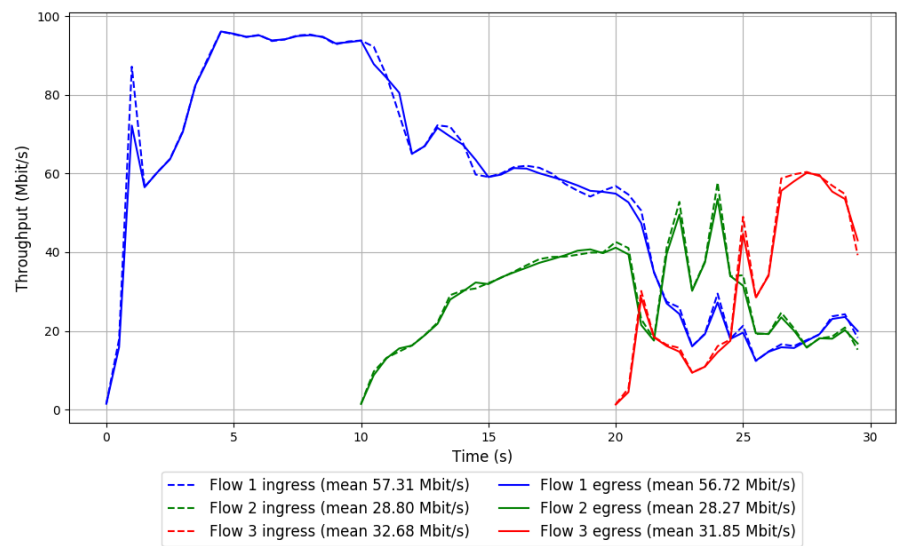
-- Flow 3:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 42.551 ms

Loss rate: 2.23%

Run 1: Report of Vivace-LTE — Data Link

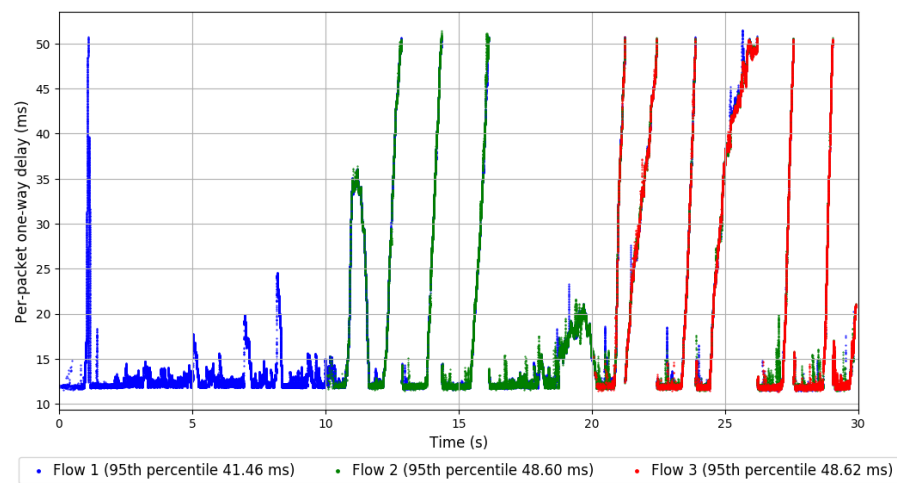
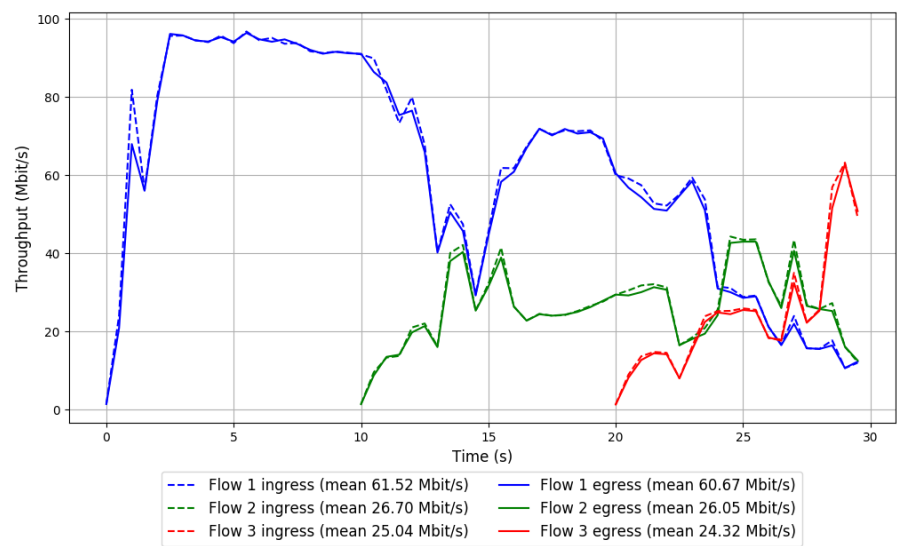


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-06 15:54:45
End at: 2018-03-06 15:55:15
Local clock offset: 3.813 ms
Remote clock offset: 14.831 ms

Below is generated by plot.py at 2018-03-06 19:53:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 45.313 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 41.464 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 48.602 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 48.624 ms
Loss rate: 2.82%

Run 2: Report of Vivace-LTE — Data Link

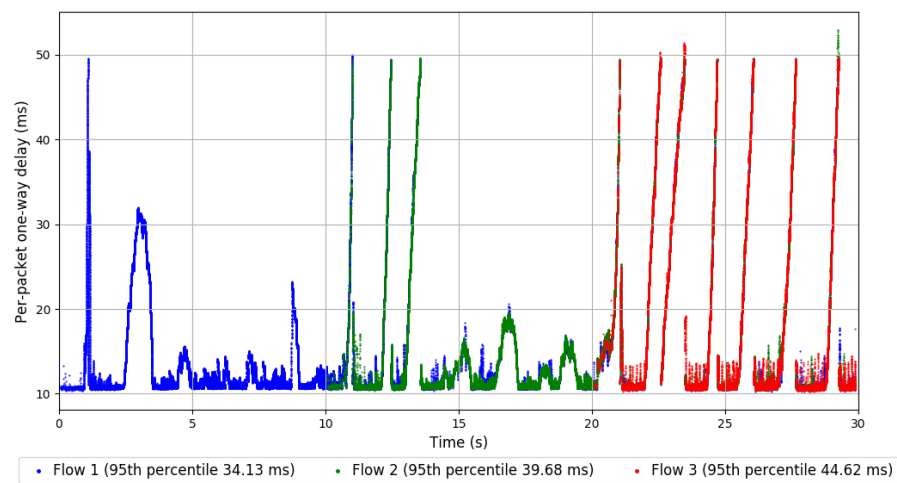
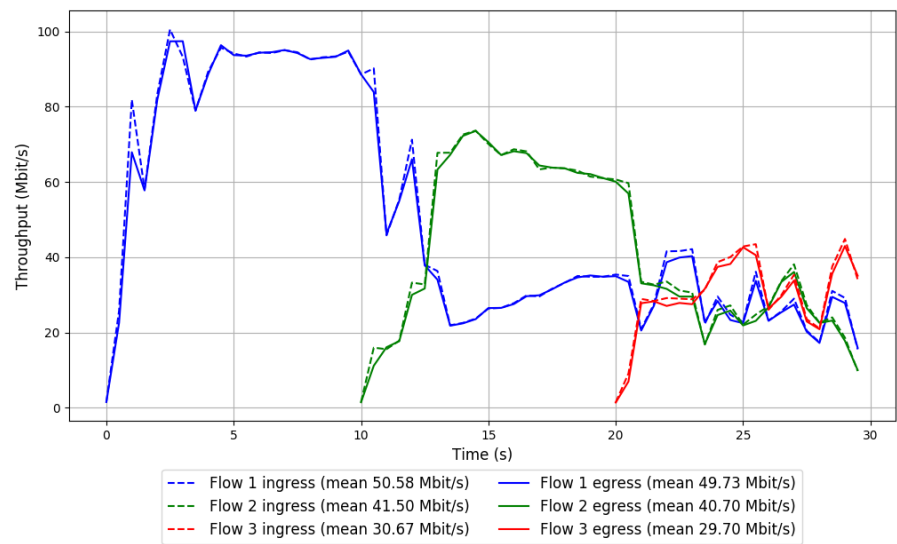


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-06 16:16:12
End at: 2018-03-06 16:16:42
Local clock offset: 4.014 ms
Remote clock offset: 19.895 ms

Below is generated by plot.py at 2018-03-06 19:53:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 38.498 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 34.128 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 39.679 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 44.623 ms
Loss rate: 3.17%

Run 3: Report of Vivace-LTE — Data Link

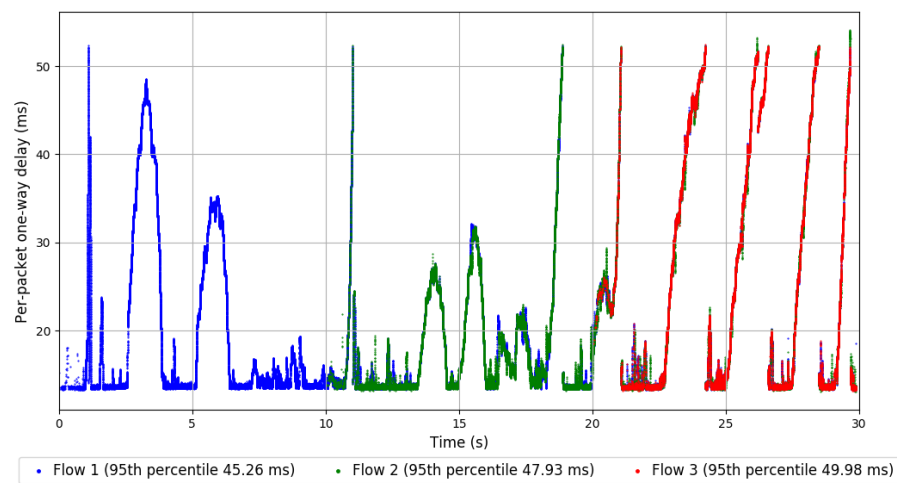
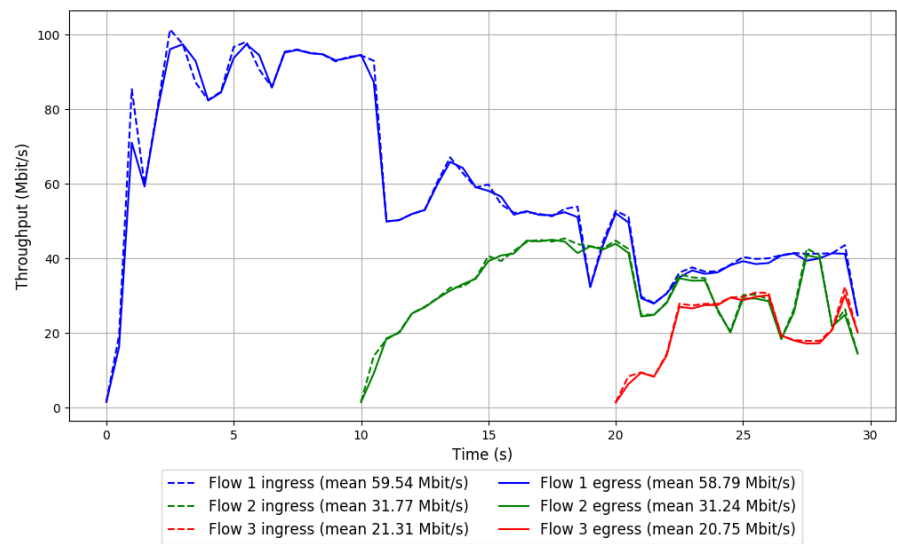


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-06 16:37:28
End at: 2018-03-06 16:37:58
Local clock offset: 1.499 ms
Remote clock offset: 24.478 ms

Below is generated by plot.py at 2018-03-06 19:53:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 46.342 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 45.264 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 47.930 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 49.985 ms
Loss rate: 2.70%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-06 16:58:39

End at: 2018-03-06 16:59:09

Local clock offset: 3.702 ms

Remote clock offset: 9.027 ms

Below is generated by plot.py at 2018-03-06 19:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.15 Mbit/s

95th percentile per-packet one-way delay: 40.862 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 56.39 Mbit/s

95th percentile per-packet one-way delay: 38.501 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 31.11 Mbit/s

95th percentile per-packet one-way delay: 44.160 ms

Loss rate: 1.55%

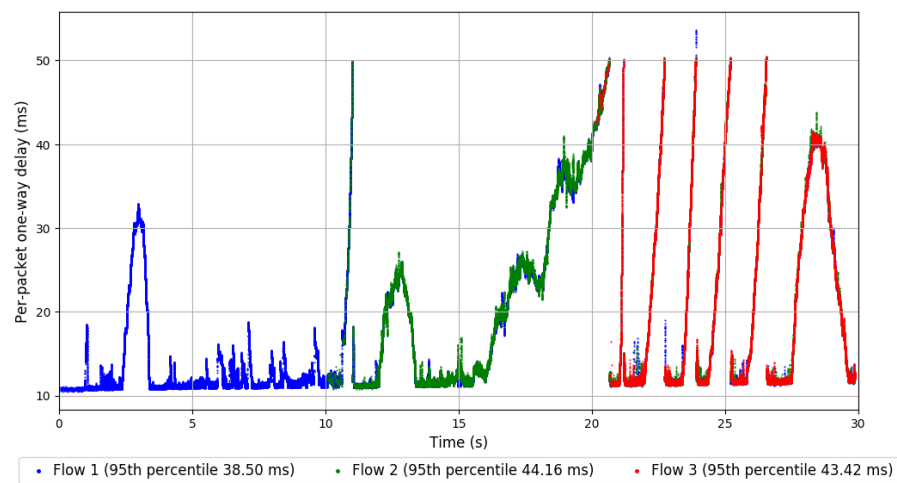
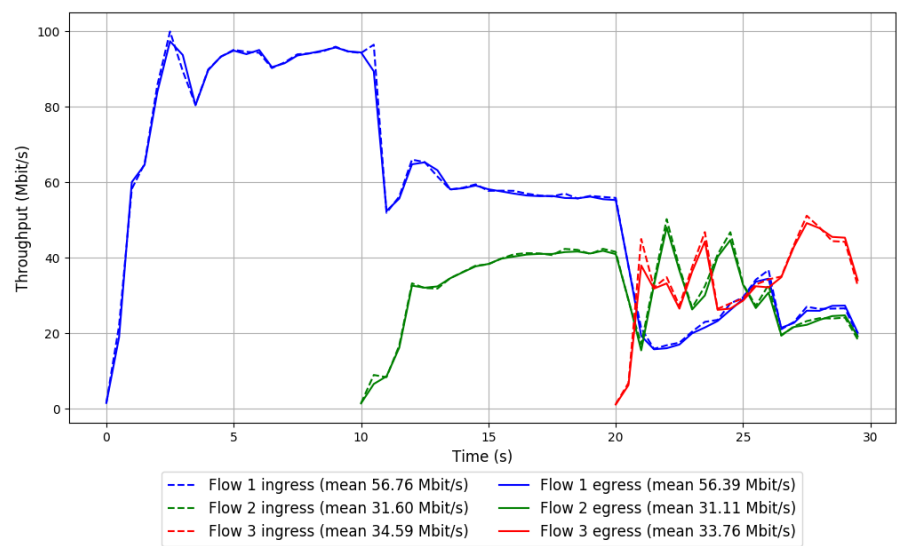
-- Flow 3:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 43.425 ms

Loss rate: 2.69%

Run 5: Report of Vivace-LTE — Data Link

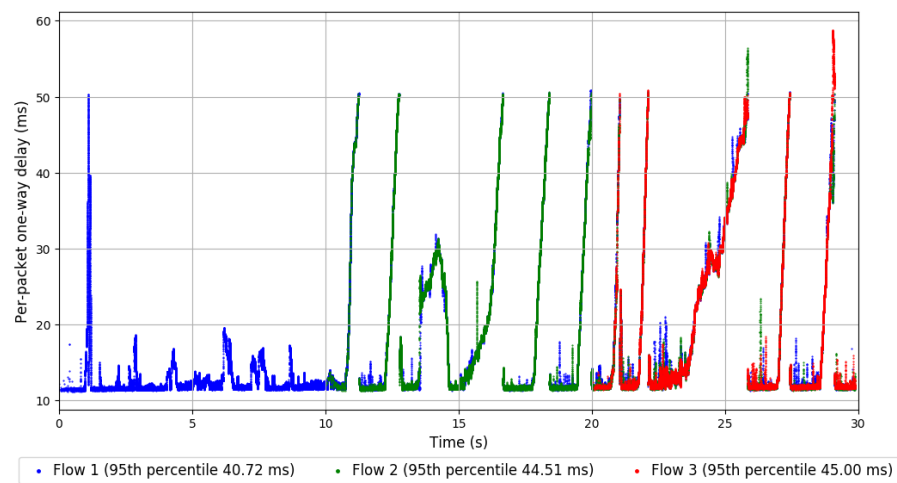
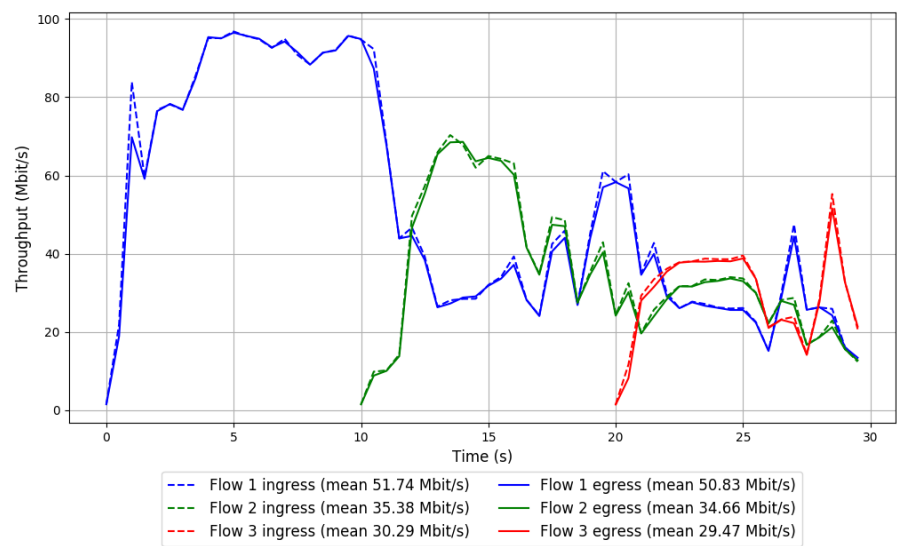


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-06 17:19:51
End at: 2018-03-06 17:20:21
Local clock offset: 3.008 ms
Remote clock offset: -7.552 ms

Below is generated by plot.py at 2018-03-06 19:53:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 43.398 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 40.724 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 44.514 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 45.000 ms
Loss rate: 2.70%

Run 6: Report of Vivace-LTE — Data Link

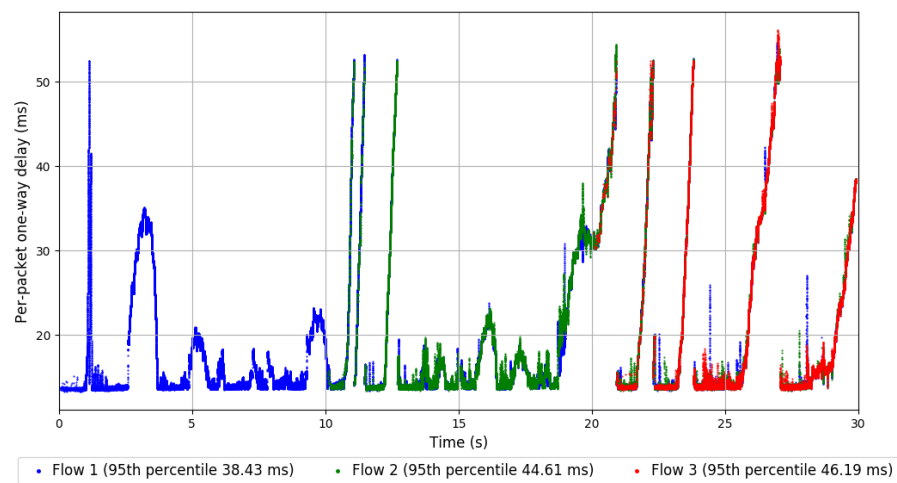
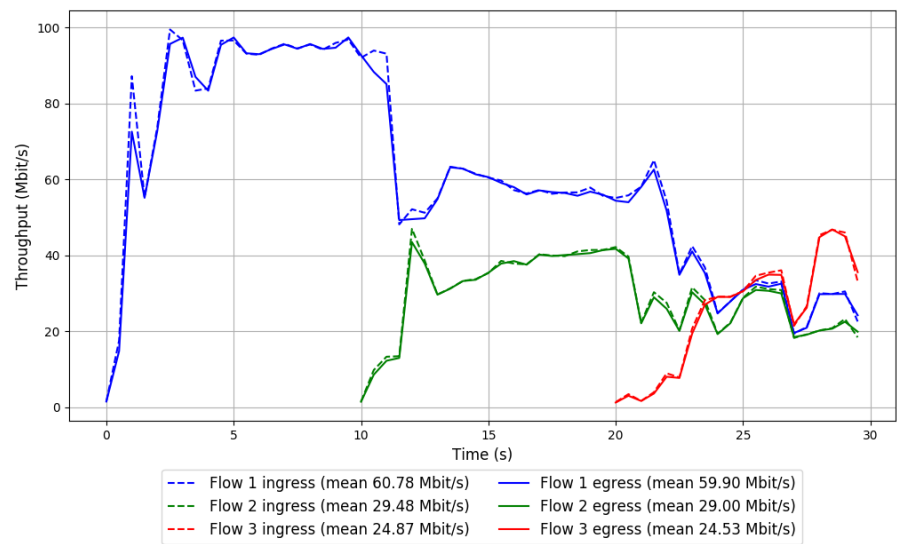


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-06 17:41:17
End at: 2018-03-06 17:41:47
Local clock offset: 1.264 ms
Remote clock offset: -15.053 ms

Below is generated by plot.py at 2018-03-06 19:53:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 41.252 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 38.428 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 29.00 Mbit/s
95th percentile per-packet one-way delay: 44.613 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 46.189 ms
Loss rate: 1.31%

Run 7: Report of Vivace-LTE — Data Link

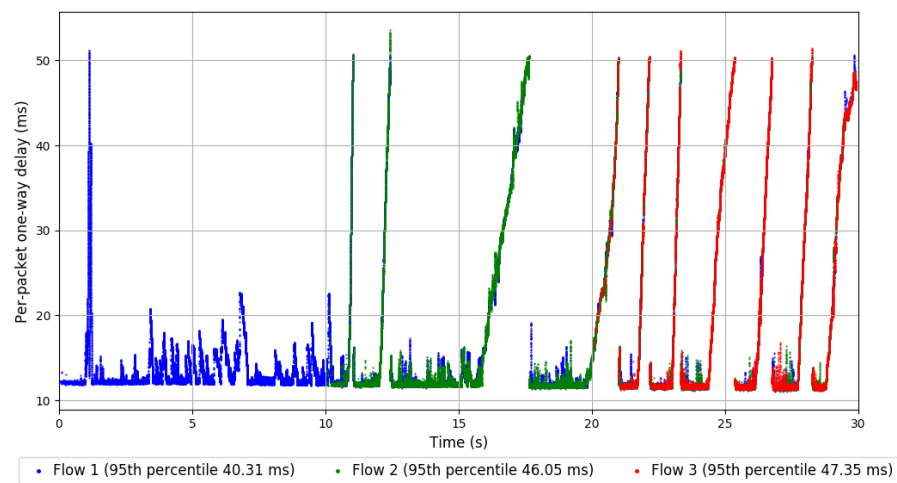
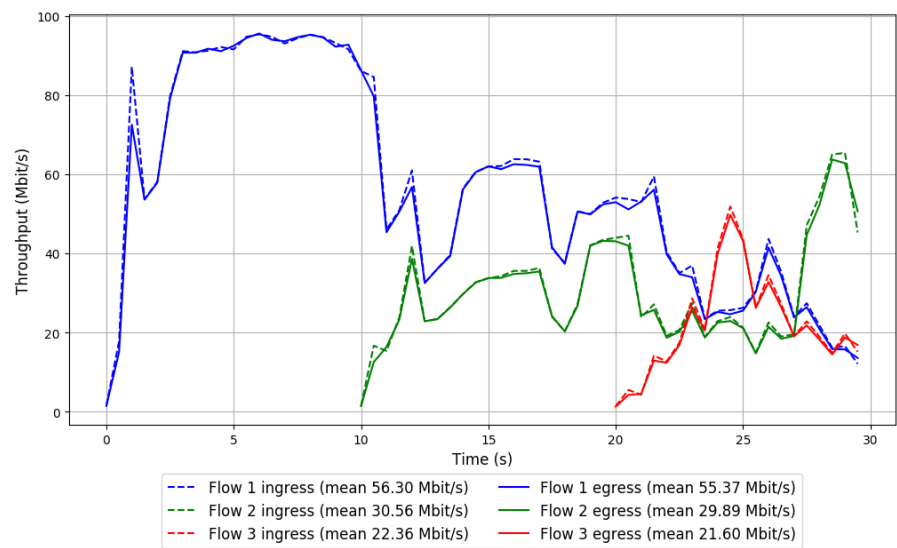


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-06 18:02:35
End at: 2018-03-06 18:03:05
Local clock offset: 2.368 ms
Remote clock offset: -15.163 ms

Below is generated by plot.py at 2018-03-06 19:53:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.39 Mbit/s
95th percentile per-packet one-way delay: 43.983 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 40.313 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 46.055 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 21.60 Mbit/s
95th percentile per-packet one-way delay: 47.351 ms
Loss rate: 3.10%

Run 8: Report of Vivace-LTE — Data Link

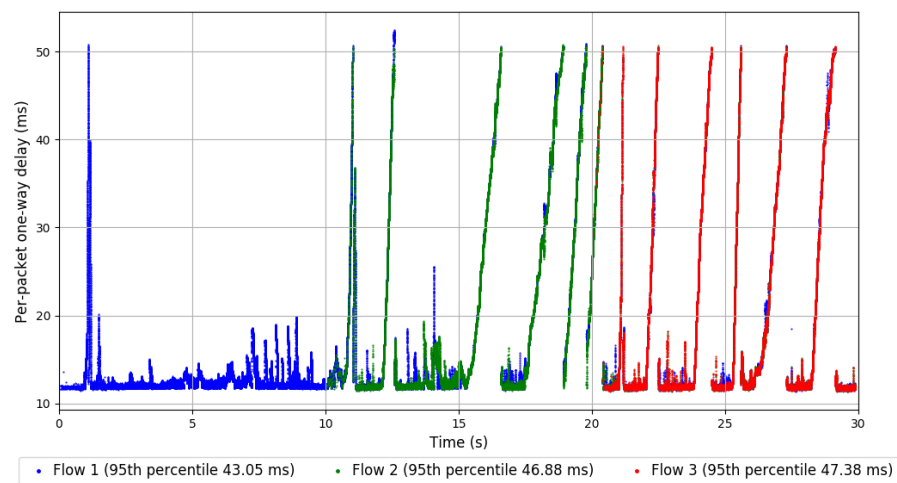
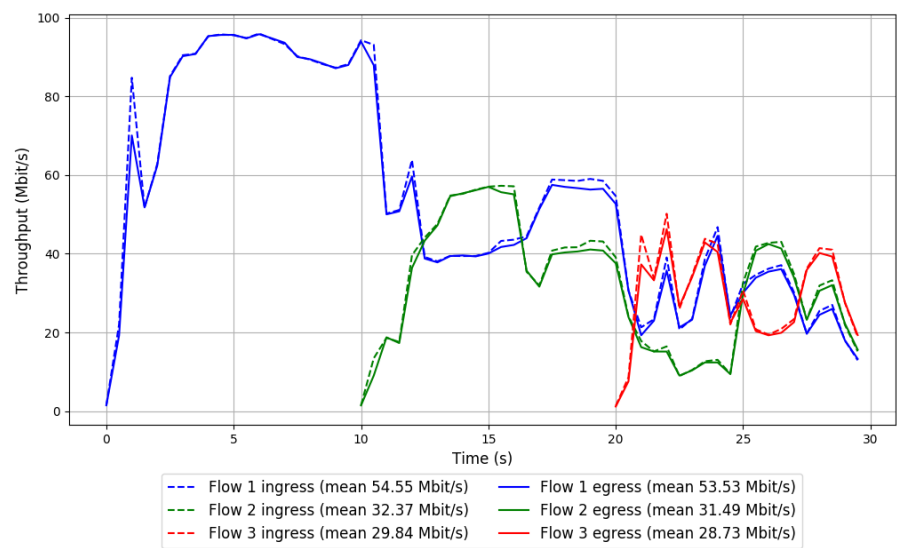


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-06 18:23:58
End at: 2018-03-06 18:24:28
Local clock offset: 4.181 ms
Remote clock offset: -0.575 ms

Below is generated by plot.py at 2018-03-06 19:53:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.92 Mbit/s
95th percentile per-packet one-way delay: 45.254 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 53.53 Mbit/s
95th percentile per-packet one-way delay: 43.048 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 46.880 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 47.377 ms
Loss rate: 3.87%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-06 18:45:24
End at: 2018-03-06 18:45:54
Local clock offset: 5.939 ms
Remote clock offset: 14.636 ms

Below is generated by plot.py at 2018-03-06 19:53:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 39.538 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 37.083 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 41.645 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 45.002 ms
Loss rate: 1.67%

Run 10: Report of Vivace-LTE — Data Link

