

Pantheon Report

Generated at 2018-03-06 21:17:48 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

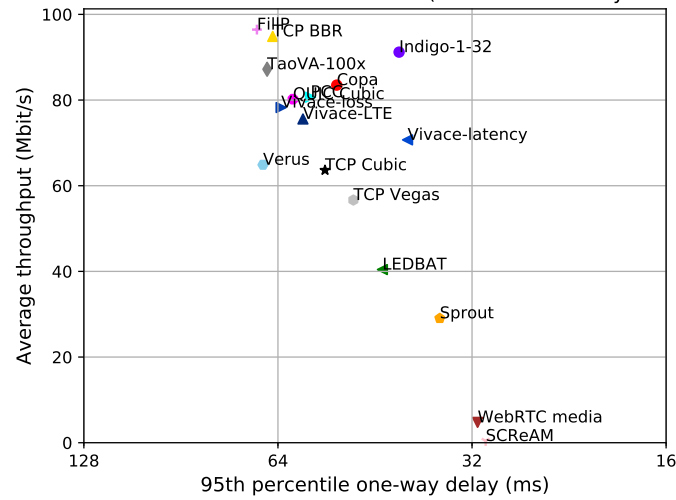
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

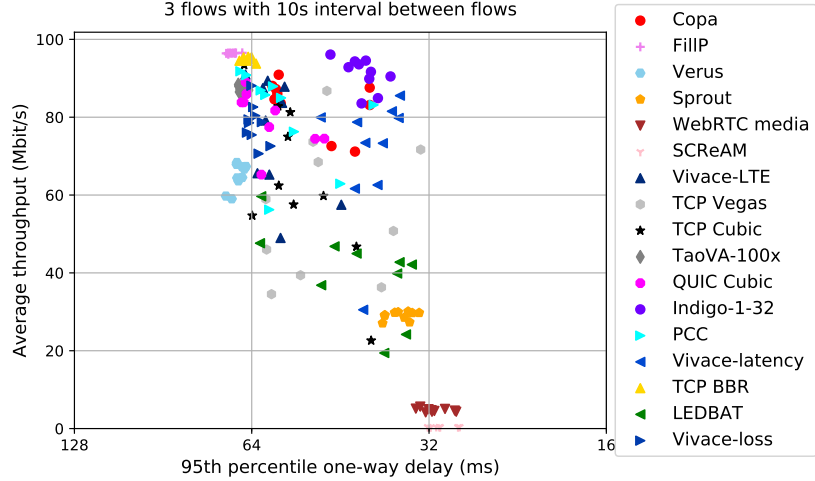
Git summary:

```
branch: master @ 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 @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



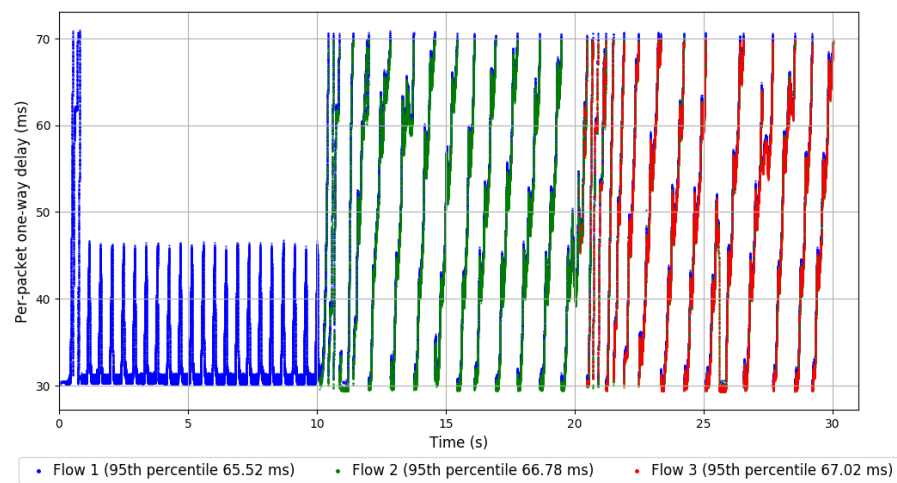
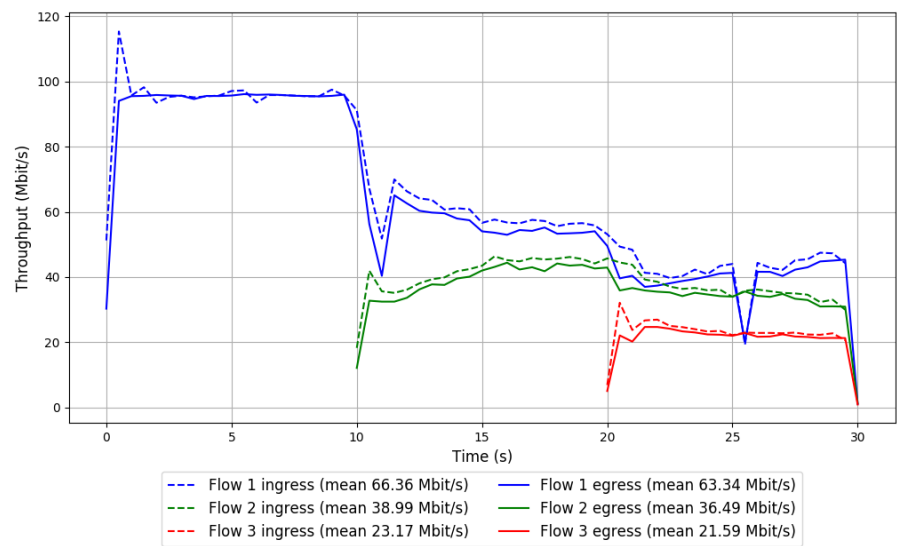
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	64.18	32.70	26.83	64.11	66.71	66.29	4.50	6.38	6.57
TCP Cubic	10	31.22	29.92	37.62	53.45	53.66	51.32	0.75	0.68	0.76
LEDBAT	10	21.39	19.91	17.50	42.51	44.50	45.38	0.41	0.34	0.39
PCC	10	63.39	21.86	8.32	55.59	58.46	59.79	2.27	2.96	3.87
QUIC Cubic	10	49.20	31.77	30.06	60.08	59.30	58.47	0.92	1.10	1.07
SCReAM	10	0.19	0.21	0.21	30.32	30.32	30.34	0.20	0.17	0.16
WebRTC media	10	2.46	1.67	0.63	31.23	31.26	32.10	0.22	0.24	0.28
Sprout	10	14.79	14.49	13.98	35.00	36.32	36.81	0.30	0.29	0.36
TaoVA-100x	10	52.33	38.46	27.86	64.81	66.89	68.05	13.98	24.49	19.04
TCP Vegas	10	26.16	32.83	26.01	42.82	45.05	39.06	0.59	0.91	1.22
Verus	10	40.01	28.55	20.35	67.41	67.12	66.74	35.19	34.77	31.24
Copa	10	69.86	15.94	9.49	52.12	50.08	48.09	52.25	43.31	32.52
FillP	10	54.80	39.61	46.74	68.96	68.97	69.16	27.28	33.83	39.40
Indigo-1-32	10	58.75	31.82	34.97	40.07	42.24	46.14	0.53	0.42	0.46
Vivace-latency	10	50.44	23.59	13.89	39.37	42.59	42.14	0.38	0.38	0.37
Vivace-loss	10	54.06	26.23	20.51	62.70	64.00	63.70	5.02	5.72	5.85
Vivace-LTE	10	51.72	27.19	17.55	57.11	59.53	60.08	2.08	2.35	2.81

Run 1: Statistics of TCP BBR

Start at: 2018-03-06 16:07:46
End at: 2018-03-06 16:08:16
Local clock offset: 0.853 ms
Remote clock offset: -3.668 ms

Below is generated by plot.py at 2018-03-06 20:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 66.098 ms
Loss rate: 5.13%
-- Flow 1:
Average throughput: 63.34 Mbit/s
95th percentile per-packet one-way delay: 65.520 ms
Loss rate: 4.50%
-- Flow 2:
Average throughput: 36.49 Mbit/s
95th percentile per-packet one-way delay: 66.778 ms
Loss rate: 6.30%
-- Flow 3:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 67.023 ms
Loss rate: 6.66%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-06 16:33:44

End at: 2018-03-06 16:34:14

Local clock offset: 0.699 ms

Remote clock offset: 1.195 ms

Below is generated by plot.py at 2018-03-06 20:50:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.67 Mbit/s

95th percentile per-packet one-way delay: 66.309 ms

Loss rate: 5.23%

-- Flow 1:

Average throughput: 59.90 Mbit/s

95th percentile per-packet one-way delay: 65.348 ms

Loss rate: 4.51%

-- Flow 2:

Average throughput: 38.34 Mbit/s

95th percentile per-packet one-way delay: 67.506 ms

Loss rate: 6.58%

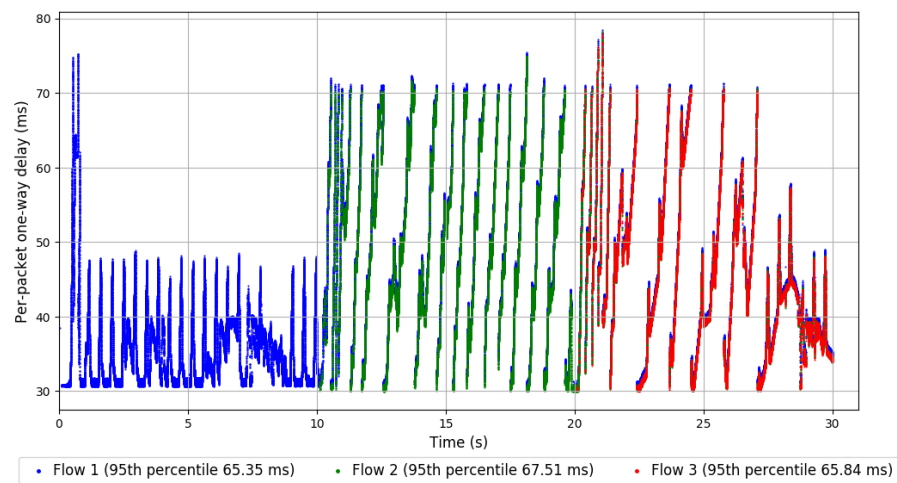
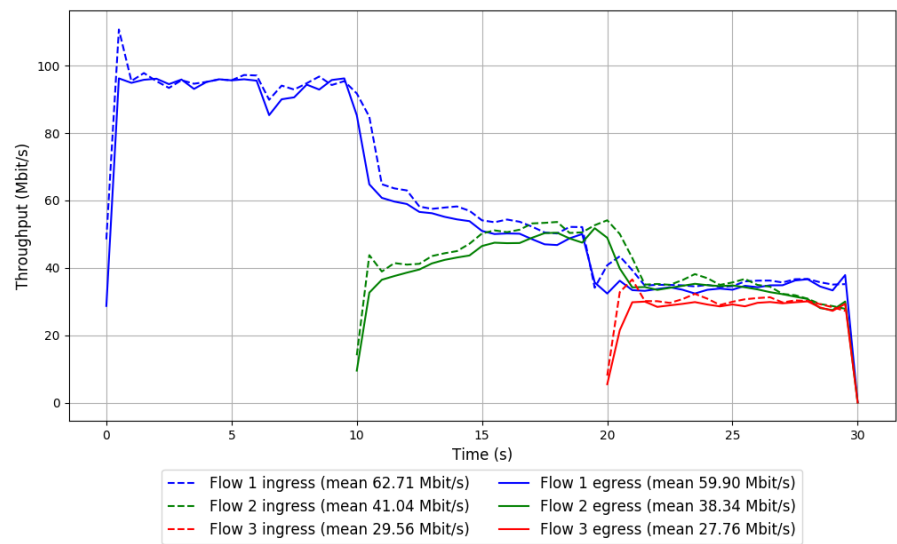
-- Flow 3:

Average throughput: 27.76 Mbit/s

95th percentile per-packet one-way delay: 65.836 ms

Loss rate: 6.07%

Run 2: Report of TCP BBR — Data Link

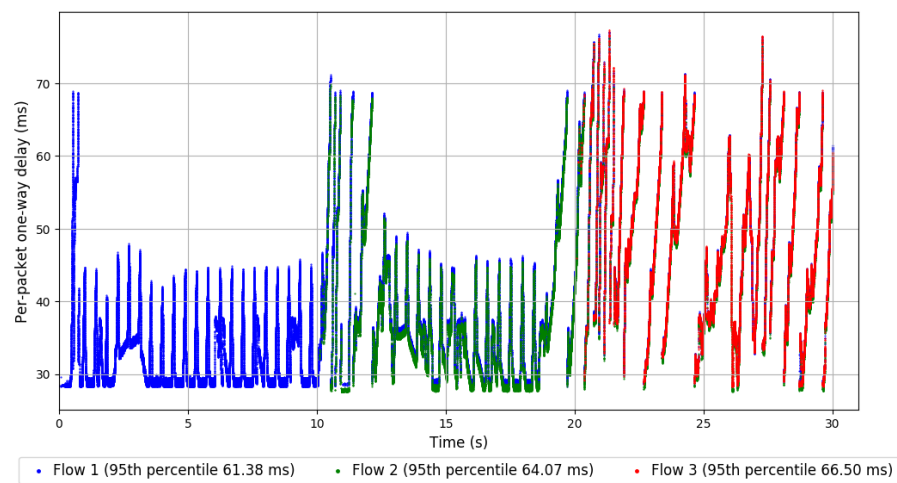
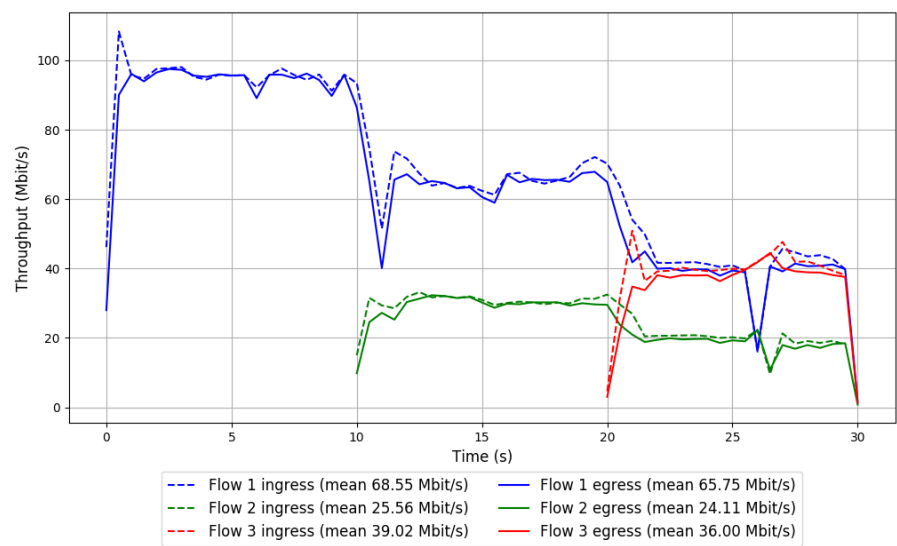


Run 3: Statistics of TCP BBR

Start at: 2018-03-06 16:59:11
End at: 2018-03-06 16:59:41
Local clock offset: 0.782 ms
Remote clock offset: -2.125 ms

Below is generated by plot.py at 2018-03-06 20:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 62.934 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 61.378 ms
Loss rate: 3.98%
-- Flow 2:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 64.067 ms
Loss rate: 5.53%
-- Flow 3:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 66.497 ms
Loss rate: 7.61%

Run 3: Report of TCP BBR — Data Link

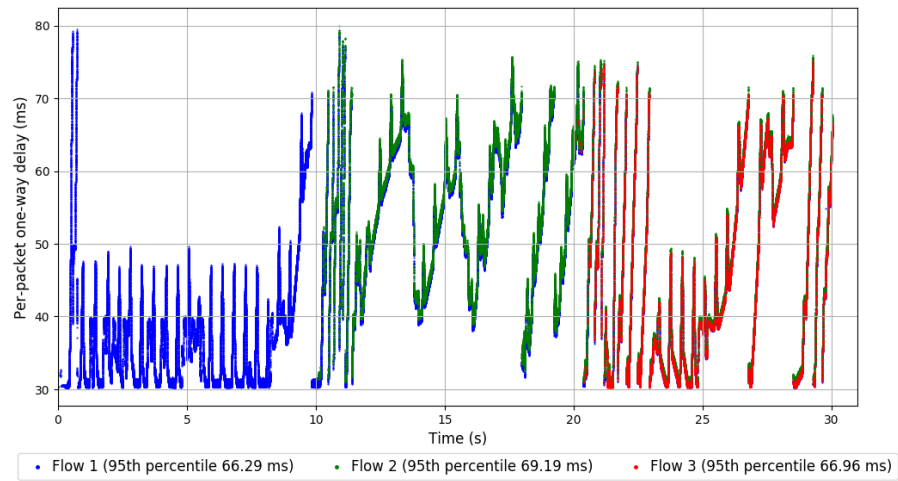
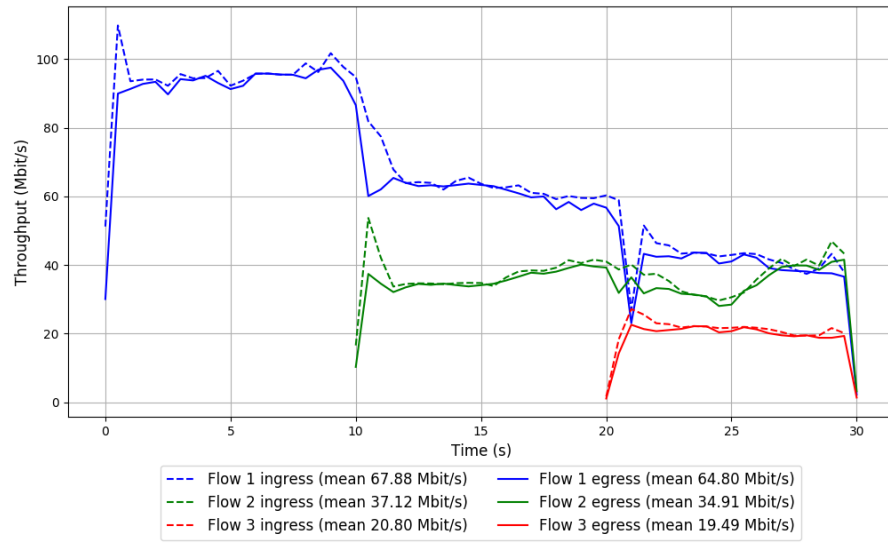


Run 4: Statistics of TCP BBR

Start at: 2018-03-06 17:25:46
End at: 2018-03-06 17:26:16
Local clock offset: 0.346 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-03-06 20:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 67.152 ms
Loss rate: 4.90%
-- Flow 1:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 66.286 ms
Loss rate: 4.44%
-- Flow 2:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 69.191 ms
Loss rate: 5.78%
-- Flow 3:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 66.963 ms
Loss rate: 6.26%

Run 4: Report of TCP BBR — Data Link

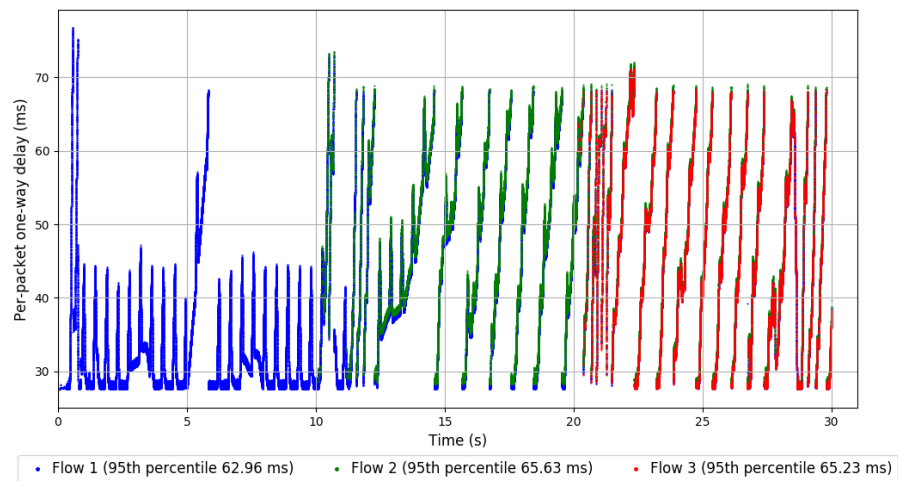
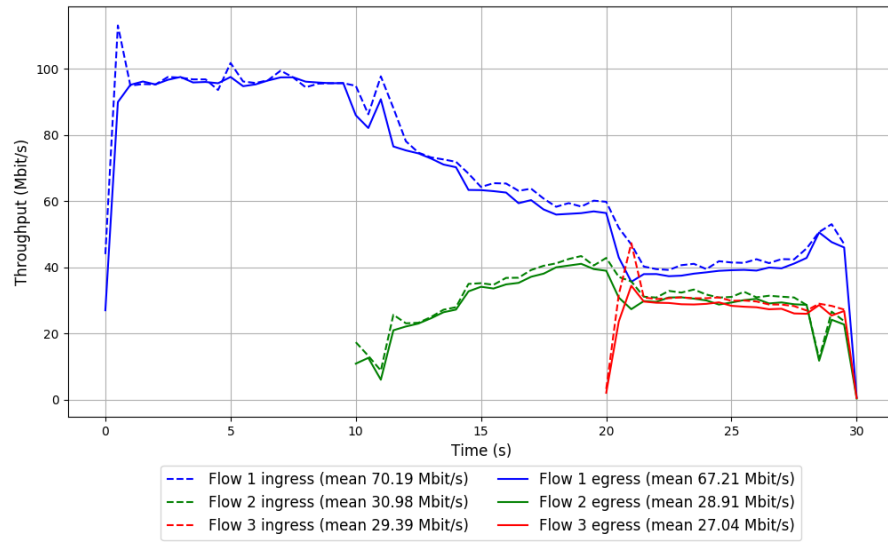


Run 5: Statistics of TCP BBR

Start at: 2018-03-06 17:52:03
End at: 2018-03-06 17:52:33
Local clock offset: 0.039 ms
Remote clock offset: -4.884 ms

Below is generated by plot.py at 2018-03-06 20:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 64.055 ms
Loss rate: 5.09%
-- Flow 1:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 62.963 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 65.626 ms
Loss rate: 6.65%
-- Flow 3:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 65.234 ms
Loss rate: 8.09%

Run 5: Report of TCP BBR — Data Link

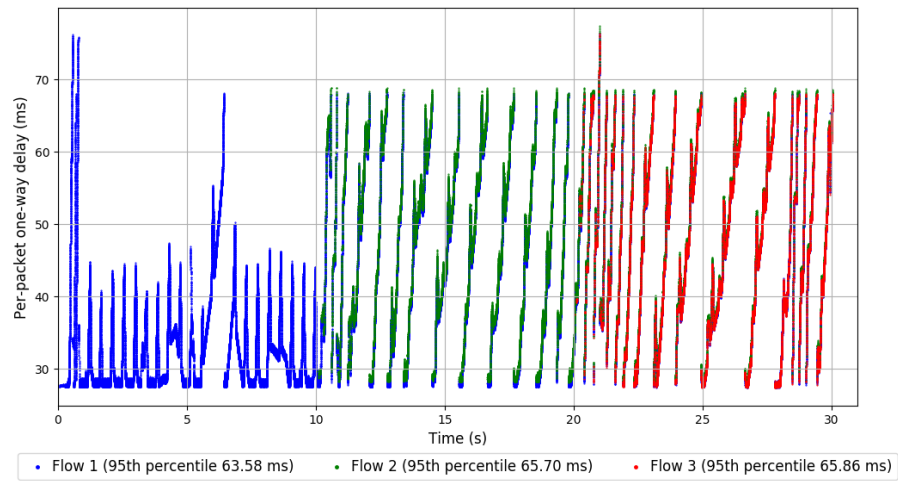
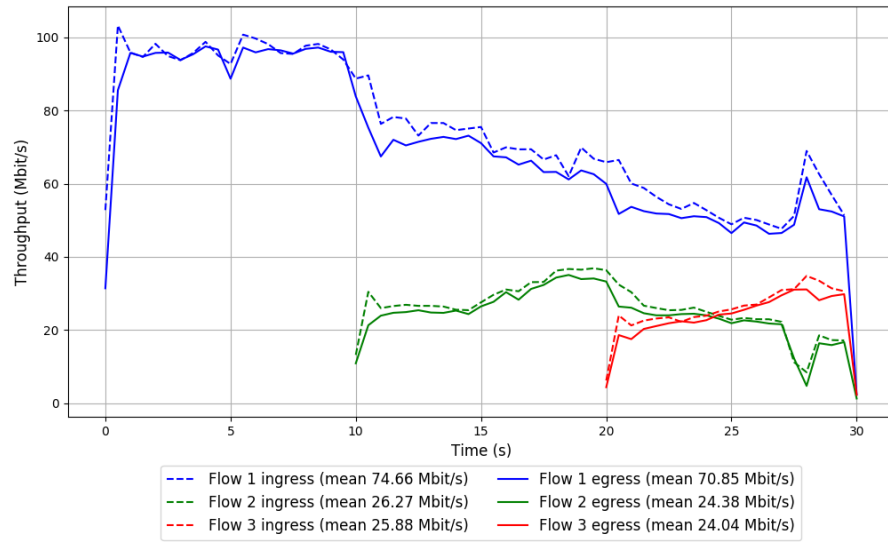


Run 6: Statistics of TCP BBR

Start at: 2018-03-06 18:18:13
End at: 2018-03-06 18:18:43
Local clock offset: 0.532 ms
Remote clock offset: -5.577 ms

Below is generated by plot.py at 2018-03-06 20:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 64.384 ms
Loss rate: 5.52%
-- Flow 1:
Average throughput: 70.85 Mbit/s
95th percentile per-packet one-way delay: 63.584 ms
Loss rate: 5.01%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 65.699 ms
Loss rate: 7.04%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 65.864 ms
Loss rate: 6.87%

Run 6: Report of TCP BBR — Data Link

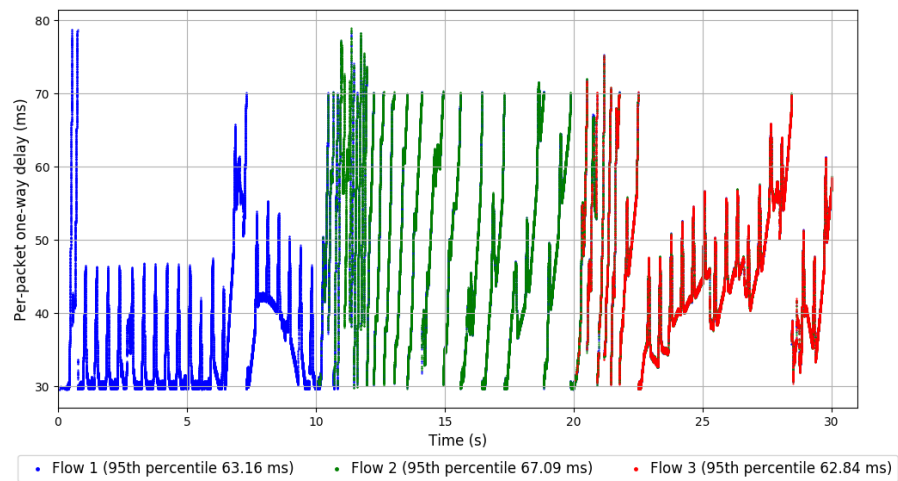
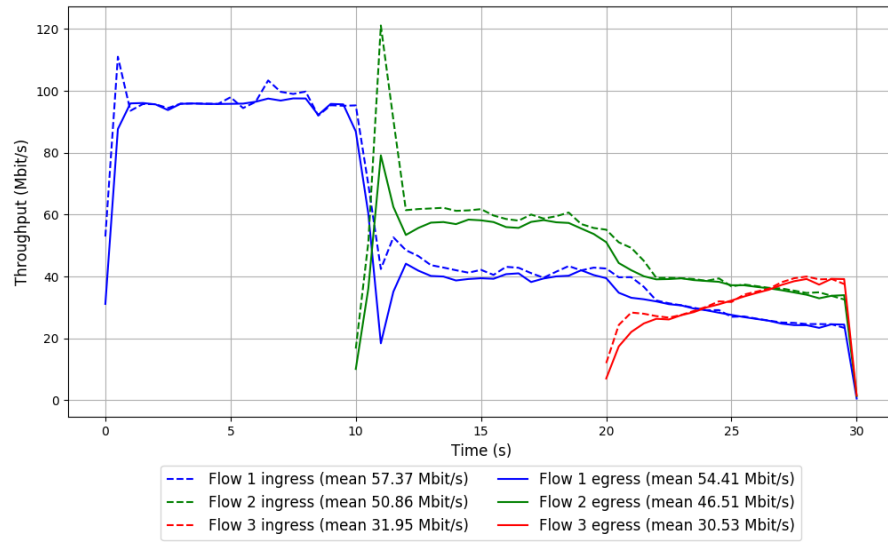


Run 7: Statistics of TCP BBR

Start at: 2018-03-06 18:44:25
End at: 2018-03-06 18:44:55
Local clock offset: 0.855 ms
Remote clock offset: -2.285 ms

Below is generated by plot.py at 2018-03-06 20:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 64.886 ms
Loss rate: 6.11%
-- Flow 1:
Average throughput: 54.41 Mbit/s
95th percentile per-packet one-way delay: 63.159 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 46.51 Mbit/s
95th percentile per-packet one-way delay: 67.087 ms
Loss rate: 8.43%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 62.845 ms
Loss rate: 4.17%

Run 7: Report of TCP BBR — Data Link

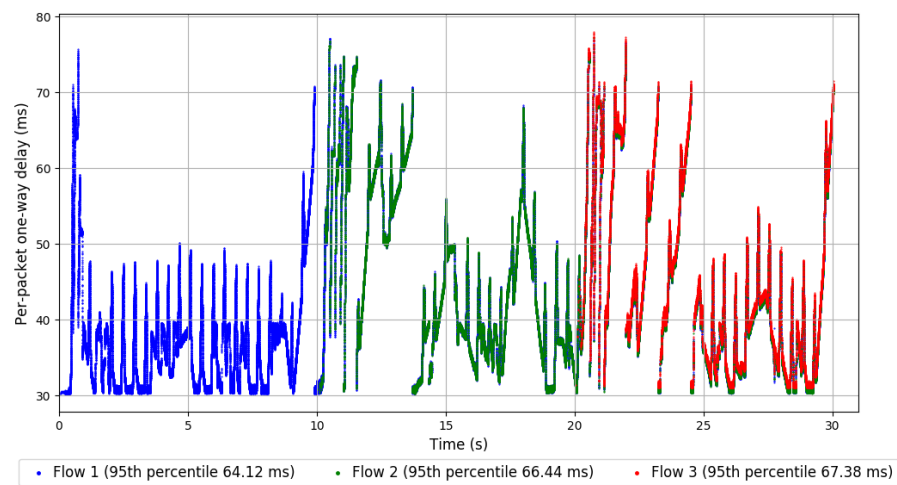
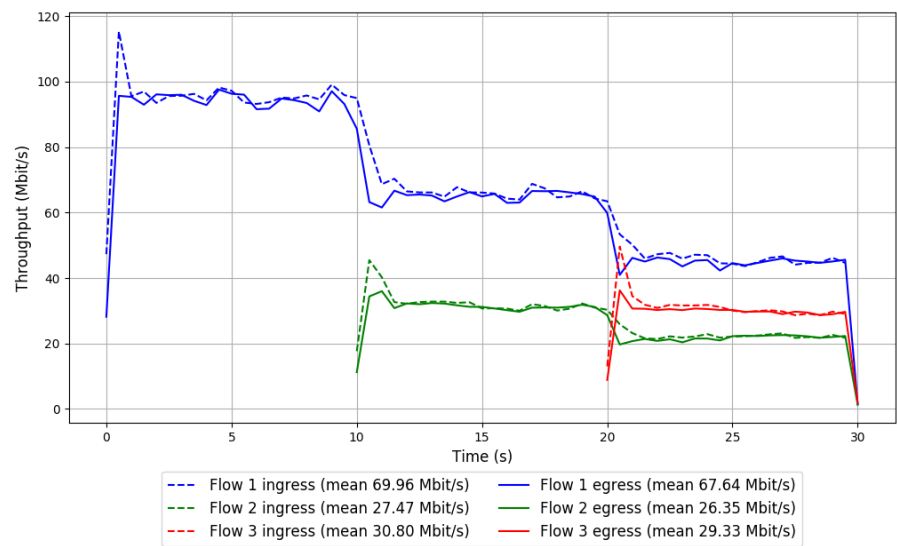


Run 8: Statistics of TCP BBR

Start at: 2018-03-06 19:11:13
End at: 2018-03-06 19:11:43
Local clock offset: 1.06 ms
Remote clock offset: -4.867 ms

Below is generated by plot.py at 2018-03-06 20:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 64.894 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 64.118 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 66.437 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 67.381 ms
Loss rate: 4.39%

Run 8: Report of TCP BBR — Data Link

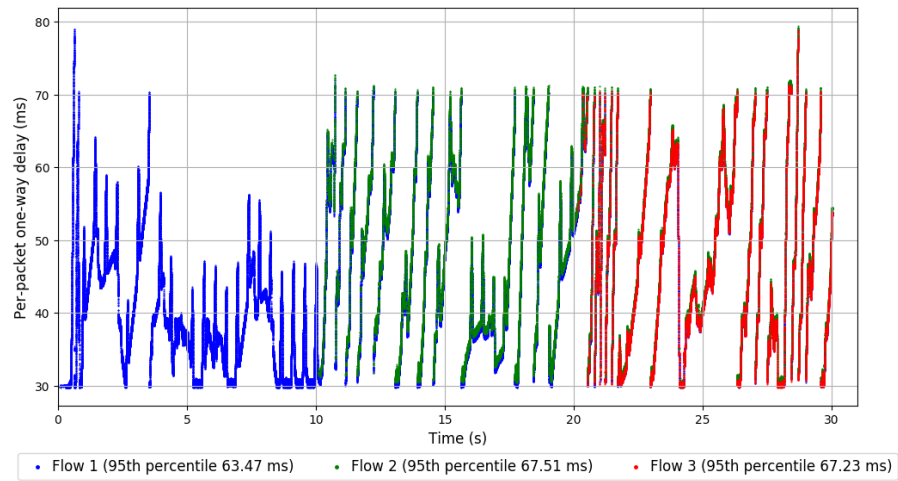
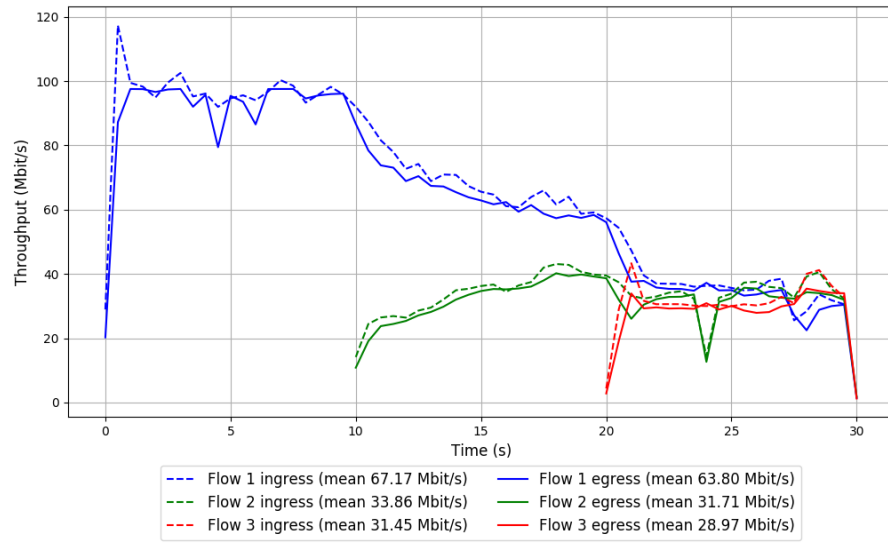


Run 9: Statistics of TCP BBR

Start at: 2018-03-06 19:40:02
End at: 2018-03-06 19:40:32
Local clock offset: 0.706 ms
Remote clock offset: -5.277 ms

Below is generated by plot.py at 2018-03-06 20:51:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 65.290 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 63.80 Mbit/s
95th percentile per-packet one-way delay: 63.466 ms
Loss rate: 4.95%
-- Flow 2:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 67.508 ms
Loss rate: 6.29%
-- Flow 3:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 67.229 ms
Loss rate: 7.88%

Run 9: Report of TCP BBR — Data Link

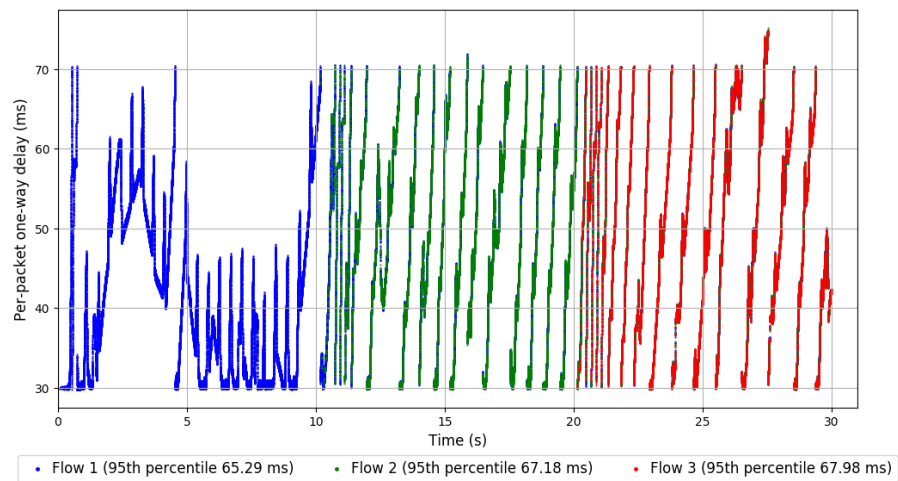
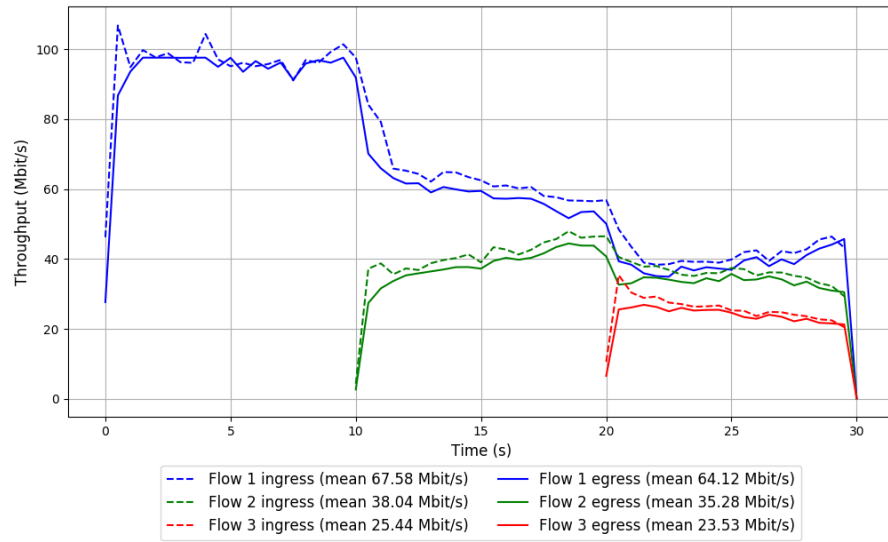


Run 10: Statistics of TCP BBR

Start at: 2018-03-06 20:06:49
End at: 2018-03-06 20:07:19
Local clock offset: 0.97 ms
Remote clock offset: -4.919 ms

Below is generated by plot.py at 2018-03-06 20:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 66.071 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 65.287 ms
Loss rate: 5.08%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 67.181 ms
Loss rate: 7.35%
-- Flow 3:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 67.984 ms
Loss rate: 7.69%

Run 10: Report of TCP BBR — Data Link

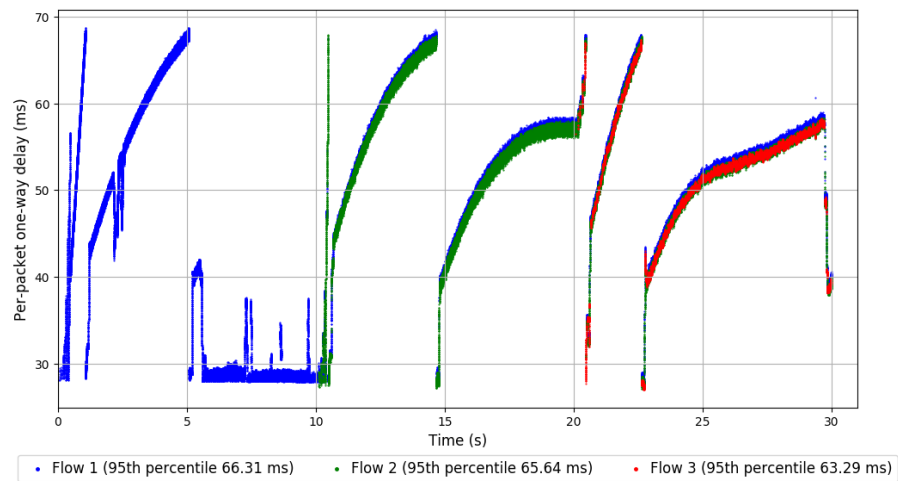
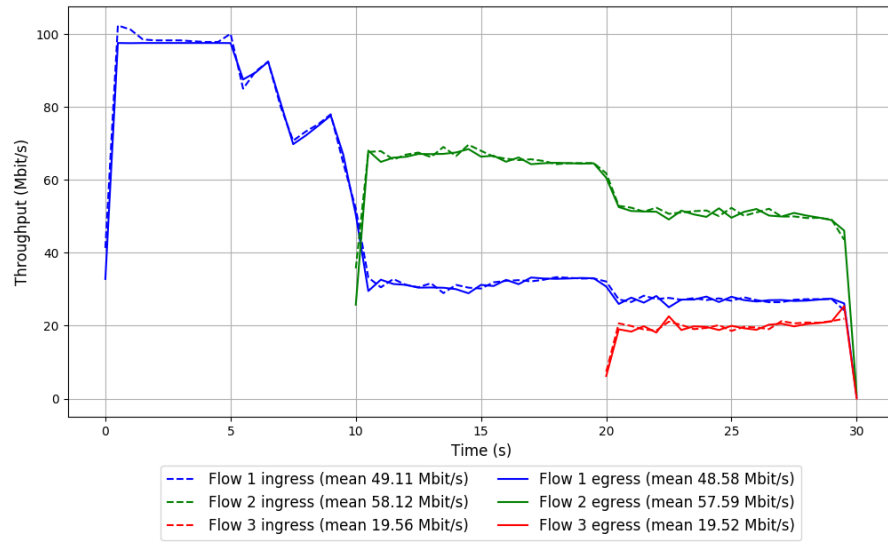


Run 1: Statistics of TCP Cubic

Start at: 2018-03-06 15:59:23
End at: 2018-03-06 15:59:53
Local clock offset: 0.731 ms
Remote clock offset: -12.151 ms

Below is generated by plot.py at 2018-03-06 20:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 65.922 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 66.314 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 65.639 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 63.291 ms
Loss rate: 0.35%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-03-06 16:24:54

End at: 2018-03-06 16:25:24

Local clock offset: 0.721 ms

Remote clock offset: 1.408 ms

Below is generated by plot.py at 2018-03-06 20:51:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 57.584 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 24.76 Mbit/s

95th percentile per-packet one-way delay: 56.946 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 37.91 Mbit/s

95th percentile per-packet one-way delay: 57.348 ms

Loss rate: 0.38%

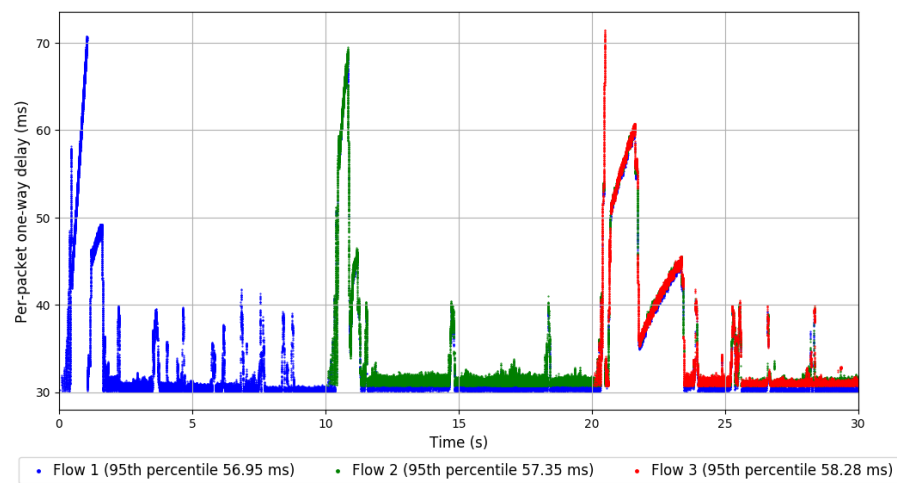
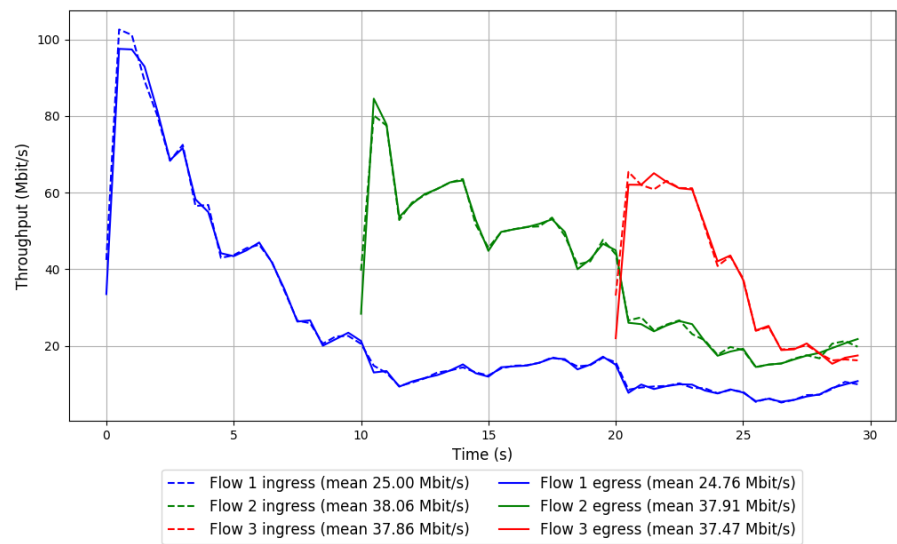
-- Flow 3:

Average throughput: 37.47 Mbit/s

95th percentile per-packet one-way delay: 58.284 ms

Loss rate: 1.05%

Run 2: Report of TCP Cubic — Data Link

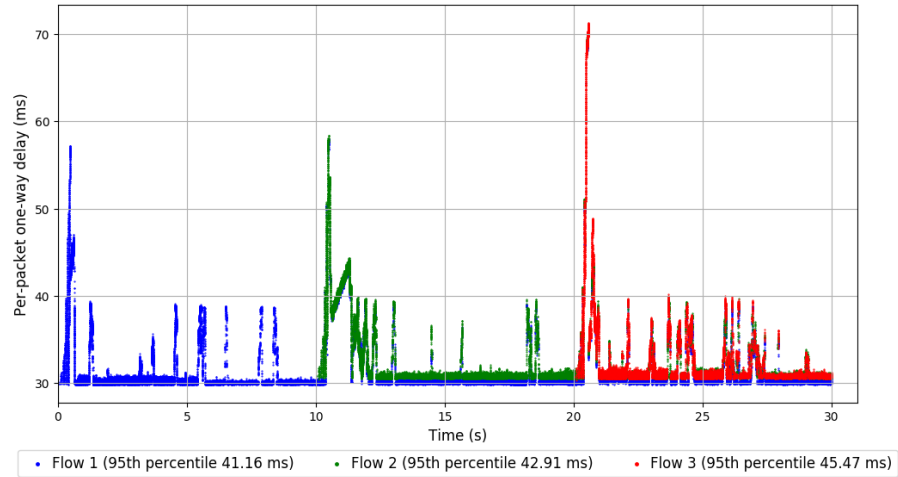
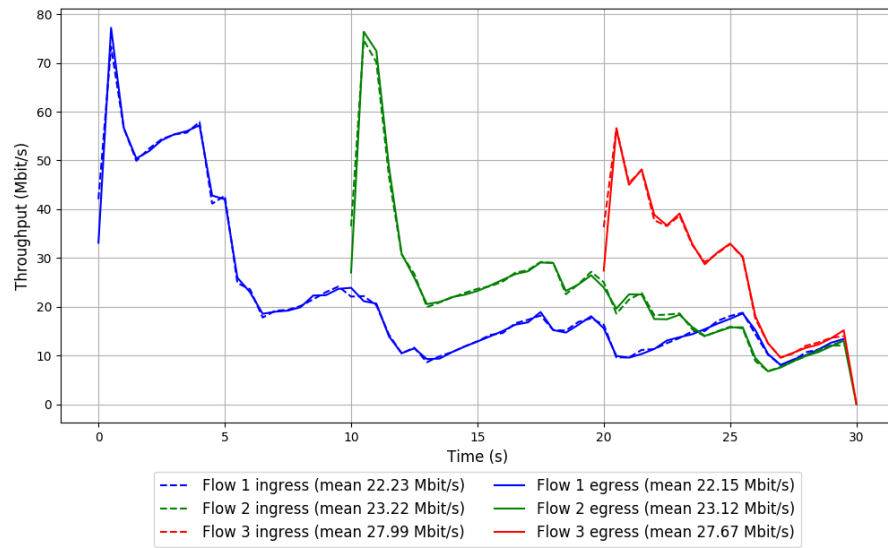


Run 3: Statistics of TCP Cubic

Start at: 2018-03-06 16:50:23
End at: 2018-03-06 16:50:53
Local clock offset: 0.699 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-03-06 20:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: 42.503 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 22.15 Mbit/s
95th percentile per-packet one-way delay: 41.159 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 42.907 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 45.467 ms
Loss rate: 1.15%

Run 3: Report of TCP Cubic — Data Link

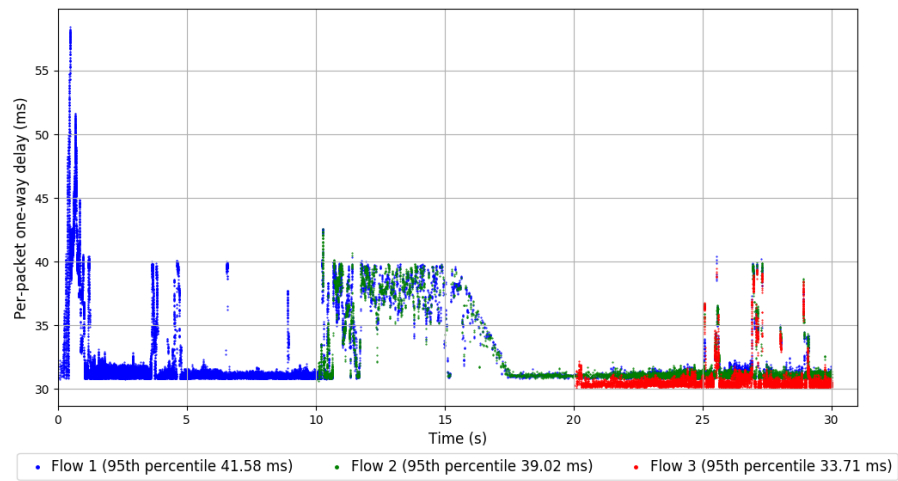
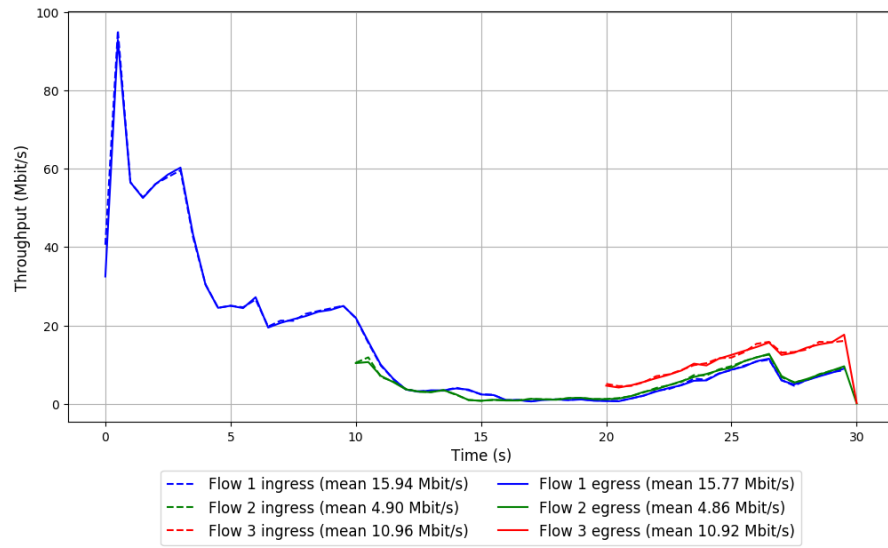


Run 4: Statistics of TCP Cubic

Start at: 2018-03-06 17:16:42
End at: 2018-03-06 17:17:12
Local clock offset: 0.607 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-03-06 20:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.62 Mbit/s
95th percentile per-packet one-way delay: 40.124 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 41.582 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 39.018 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 33.710 ms
Loss rate: 0.40%

Run 4: Report of TCP Cubic — Data Link

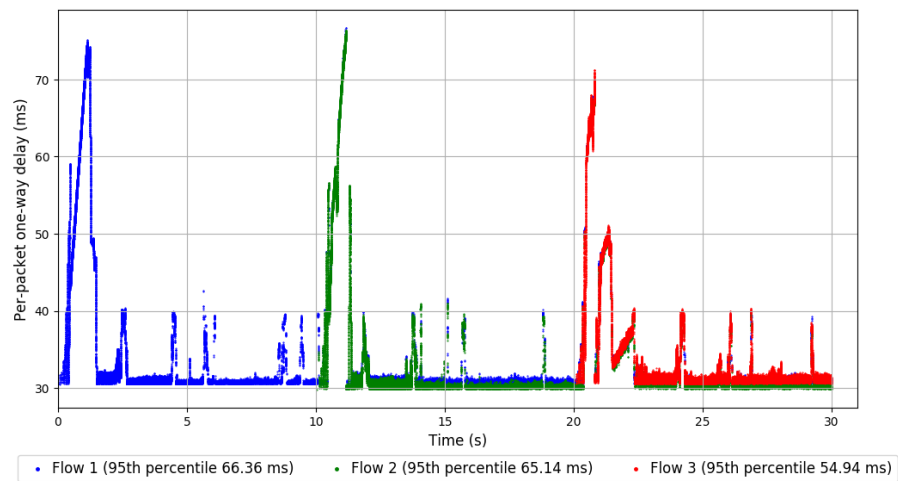
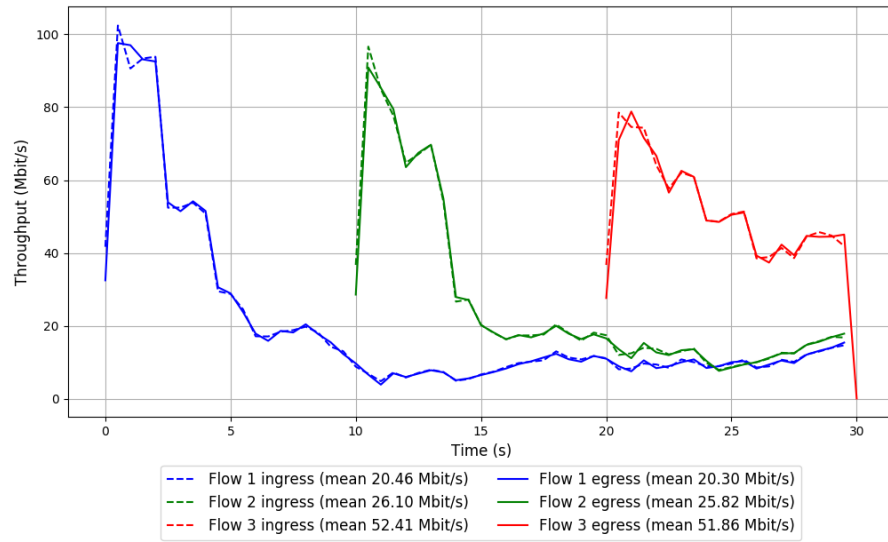


Run 5: Statistics of TCP Cubic

Start at: 2018-03-06 17:43:14
End at: 2018-03-06 17:43:44
Local clock offset: 0.051 ms
Remote clock offset: -1.516 ms

Below is generated by plot.py at 2018-03-06 20:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 63.873 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 66.355 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 25.82 Mbit/s
95th percentile per-packet one-way delay: 65.145 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 54.935 ms
Loss rate: 1.05%

Run 5: Report of TCP Cubic — Data Link

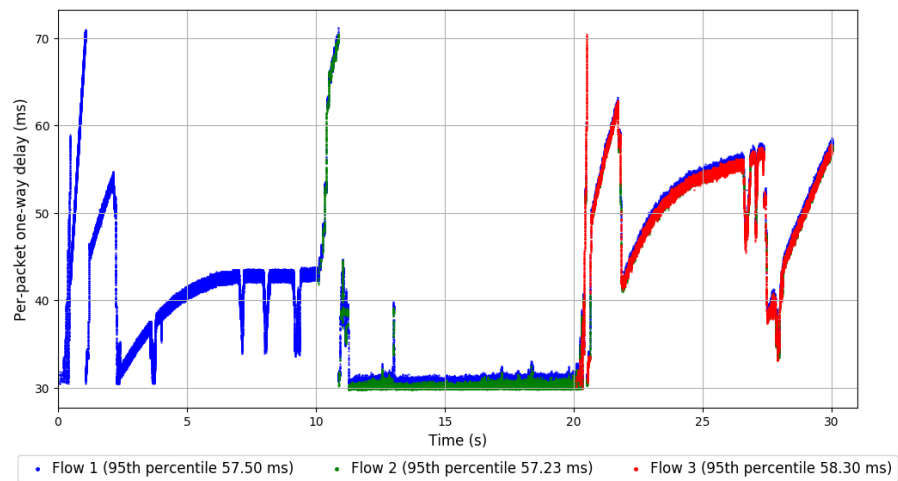
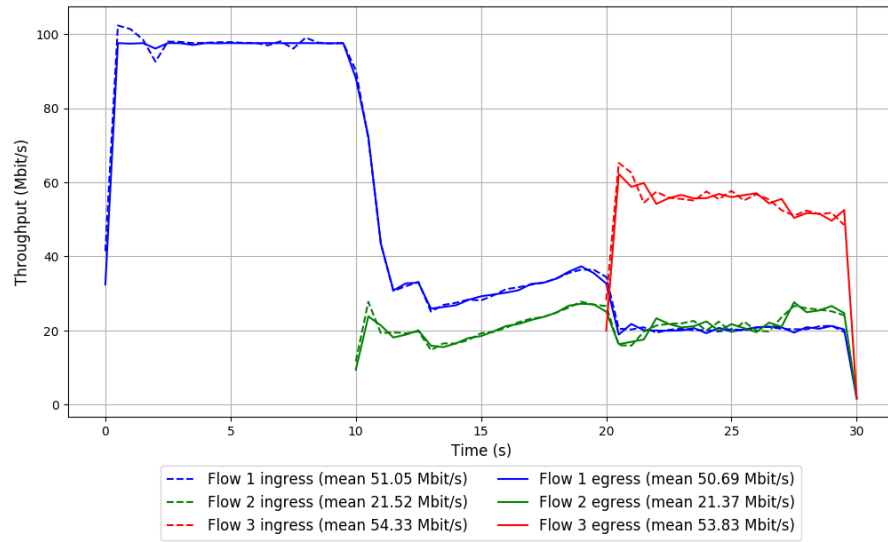


Run 6: Statistics of TCP Cubic

Start at: 2018-03-06 18:09:28
End at: 2018-03-06 18:09:58
Local clock offset: -0.12 ms
Remote clock offset: -4.368 ms

Below is generated by plot.py at 2018-03-06 20:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.80 Mbit/s
95th percentile per-packet one-way delay: 57.721 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 50.69 Mbit/s
95th percentile per-packet one-way delay: 57.501 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 21.37 Mbit/s
95th percentile per-packet one-way delay: 57.230 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 58.301 ms
Loss rate: 0.66%

Run 6: Report of TCP Cubic — Data Link

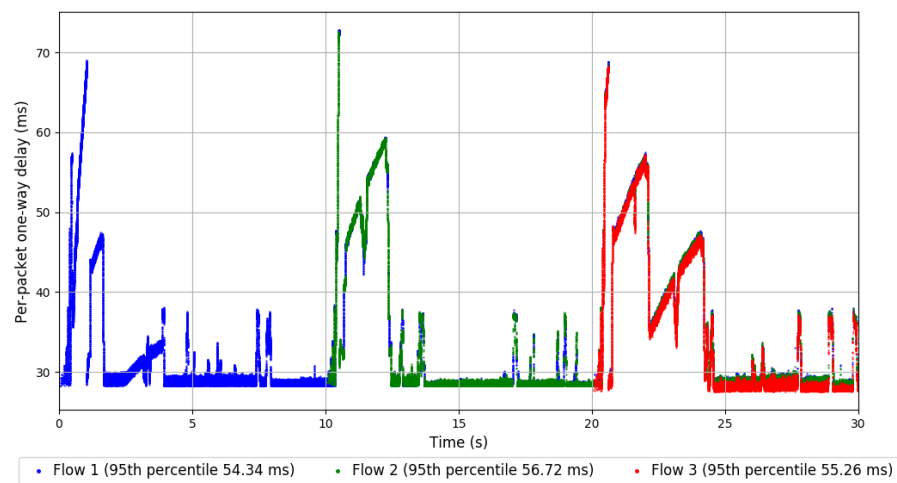
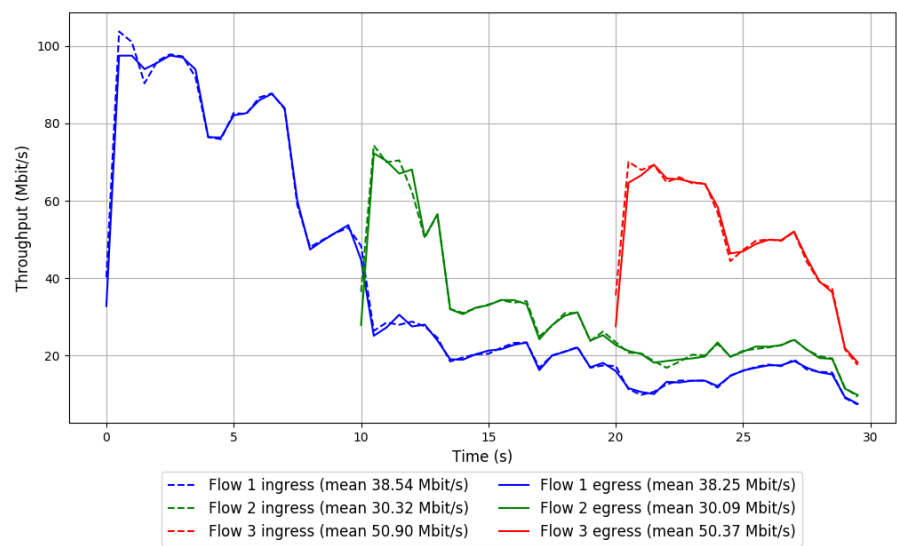


Run 7: Statistics of TCP Cubic

Start at: 2018-03-06 18:35:20
End at: 2018-03-06 18:35:50
Local clock offset: 0.708 ms
Remote clock offset: -4.299 ms

Below is generated by plot.py at 2018-03-06 20:51:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.98 Mbit/s
95th percentile per-packet one-way delay: 55.549 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 54.337 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 56.717 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 55.256 ms
Loss rate: 1.04%

Run 7: Report of TCP Cubic — Data Link

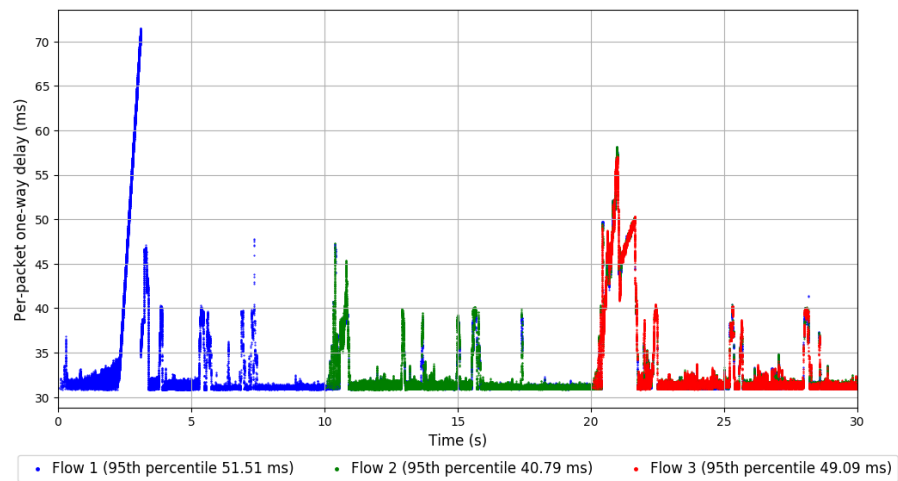
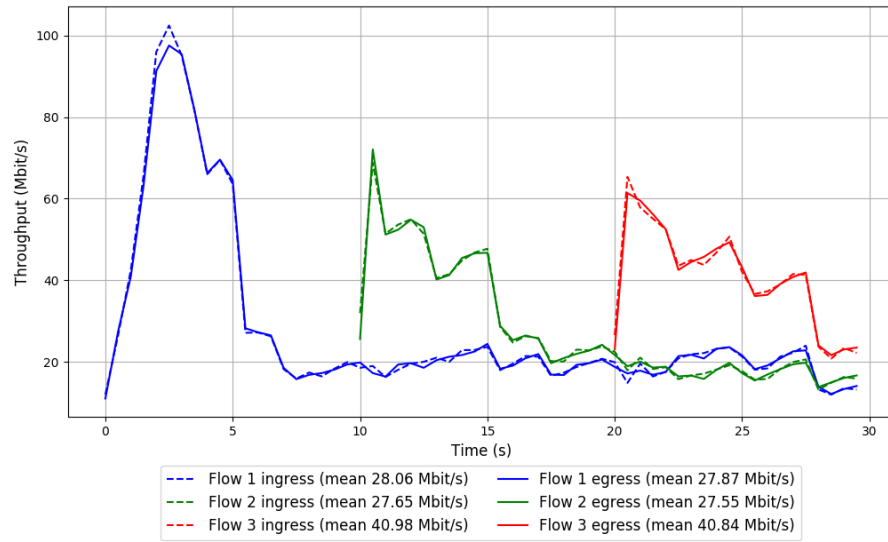


Run 8: Statistics of TCP Cubic

Start at: 2018-03-06 19:02:00
End at: 2018-03-06 19:02:30
Local clock offset: 0.908 ms
Remote clock offset: -4.077 ms

Below is generated by plot.py at 2018-03-06 20:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.77 Mbit/s
95th percentile per-packet one-way delay: 48.344 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 51.505 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 40.786 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 40.84 Mbit/s
95th percentile per-packet one-way delay: 49.089 ms
Loss rate: 0.33%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-03-06 19:29:53

End at: 2018-03-06 19:30:23

Local clock offset: 0.855 ms

Remote clock offset: -5.31 ms

Below is generated by plot.py at 2018-03-06 20:51:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.56 Mbit/s

95th percentile per-packet one-way delay: 54.336 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 33.48 Mbit/s

95th percentile per-packet one-way delay: 54.712 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 54.943 ms

Loss rate: 0.94%

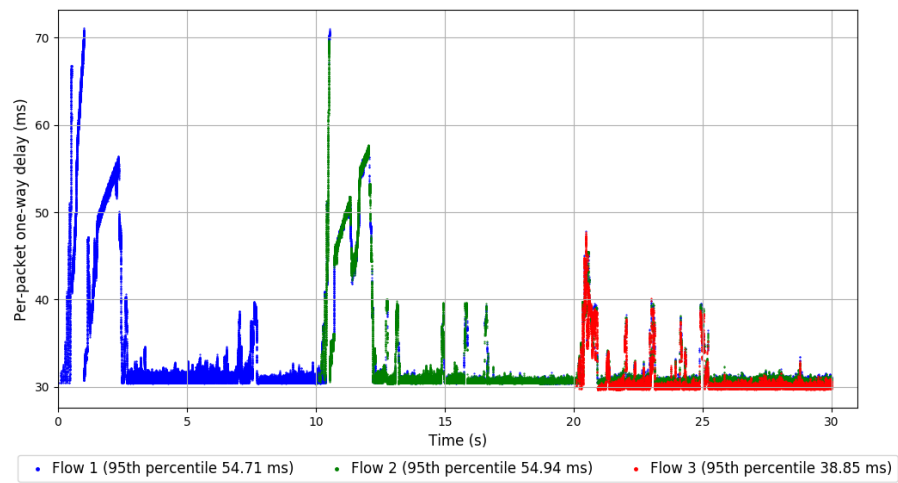
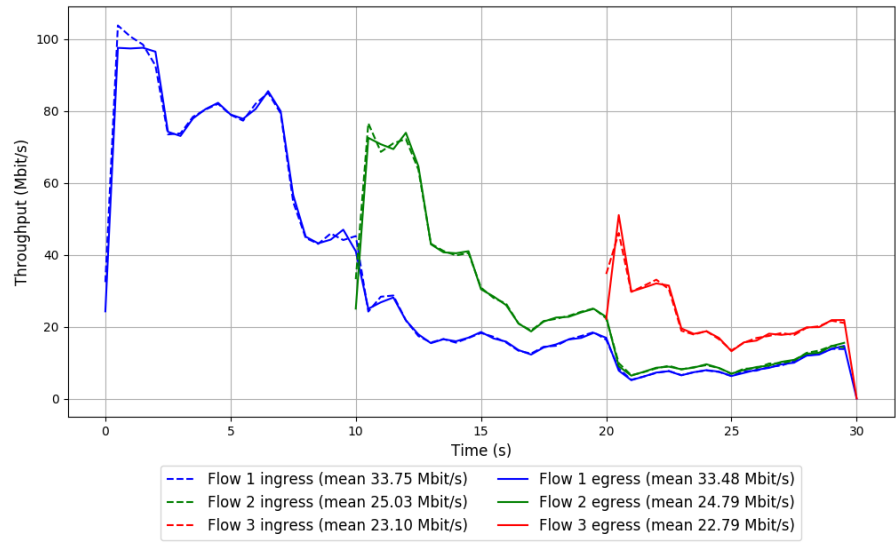
-- Flow 3:

Average throughput: 22.79 Mbit/s

95th percentile per-packet one-way delay: 38.850 ms

Loss rate: 1.34%

Run 9: Report of TCP Cubic — Data Link

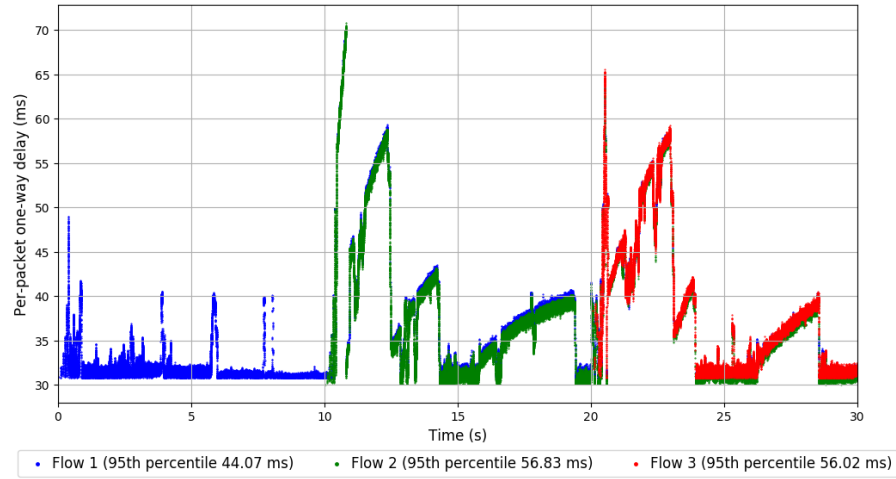
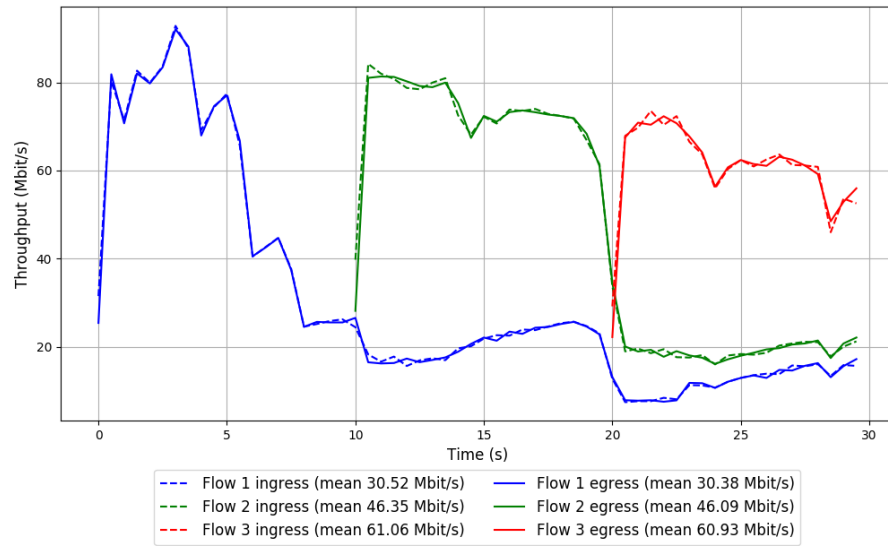


Run 10: Statistics of TCP Cubic

Start at: 2018-03-06 19:57:41
End at: 2018-03-06 19:58:11
Local clock offset: 0.929 ms
Remote clock offset: -5.078 ms

Below is generated by plot.py at 2018-03-06 20:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 55.046 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 44.067 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 56.830 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 60.93 Mbit/s
95th percentile per-packet one-way delay: 56.022 ms
Loss rate: 0.27%

Run 10: Report of TCP Cubic — Data Link

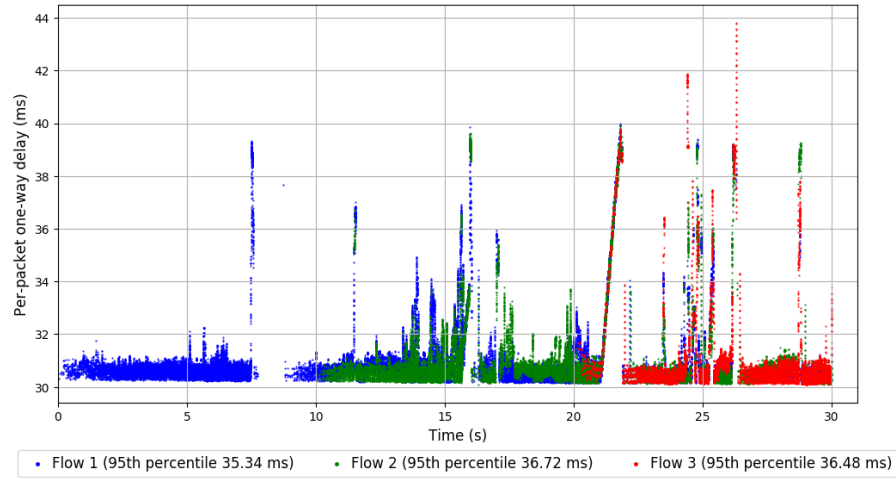
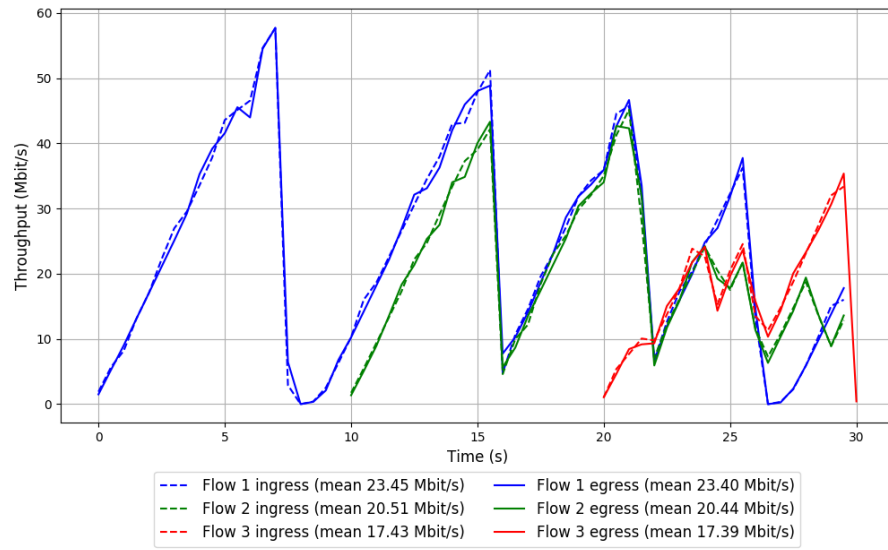


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-06 16:13:06
End at: 2018-03-06 16:13:36
Local clock offset: 0.796 ms
Remote clock offset: -1.509 ms

# Below is generated by plot.py at 2018-03-06 20:52:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 35.912 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 35.336 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 36.715 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 17.39 Mbit/s
95th percentile per-packet one-way delay: 36.481 ms
Loss rate: 0.24%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-03-06 16:39:07

End at: 2018-03-06 16:39:37

Local clock offset: 0.756 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-03-06 20:52:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 36.252 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 19.66 Mbit/s

95th percentile per-packet one-way delay: 36.307 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 22.42 Mbit/s

95th percentile per-packet one-way delay: 36.040 ms

Loss rate: 0.17%

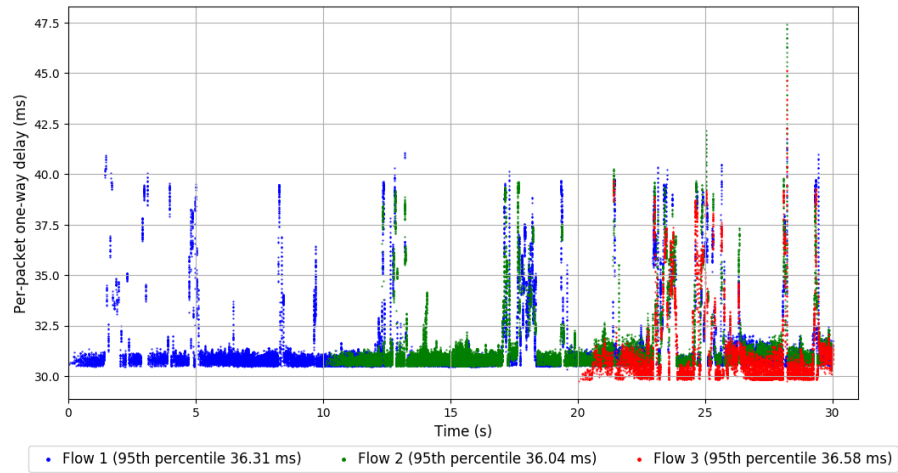
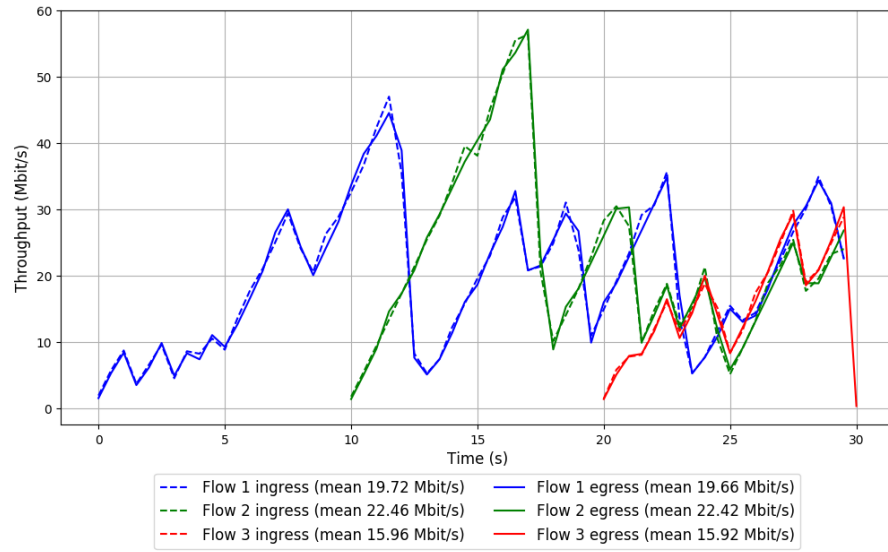
-- Flow 3:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 36.577 ms

Loss rate: 0.27%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-03-06 17:04:44

End at: 2018-03-06 17:05:14

Local clock offset: 0.724 ms

Remote clock offset: 0.636 ms

Below is generated by plot.py at 2018-03-06 20:52:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.42 Mbit/s

95th percentile per-packet one-way delay: 38.127 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 10.95 Mbit/s

95th percentile per-packet one-way delay: 37.425 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 8.85 Mbit/s

95th percentile per-packet one-way delay: 38.346 ms

Loss rate: 0.89%

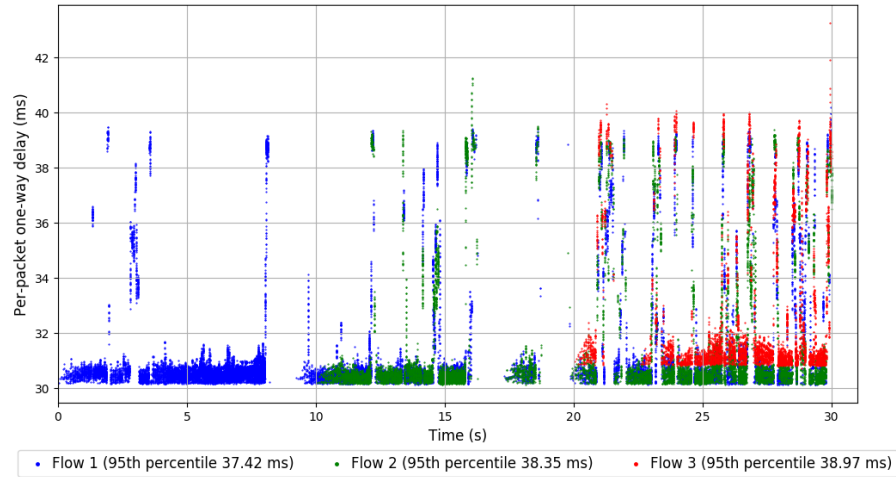
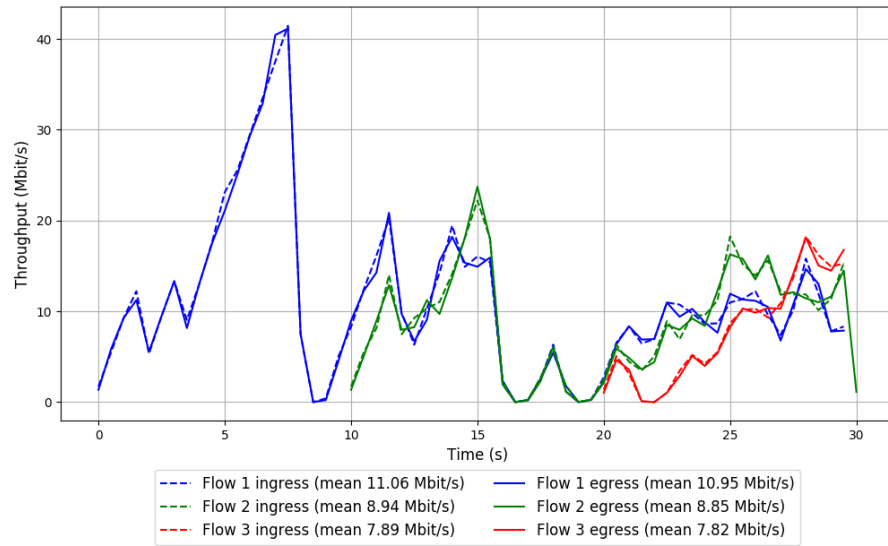
-- Flow 3:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 38.966 ms

Loss rate: 0.90%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-03-06 17:31:21

End at: 2018-03-06 17:31:51

Local clock offset: 0.351 ms

Remote clock offset: -0.7 ms

Below is generated by plot.py at 2018-03-06 20:52:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.63 Mbit/s

95th percentile per-packet one-way delay: 61.974 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 26.11 Mbit/s

95th percentile per-packet one-way delay: 57.140 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 22.50 Mbit/s

95th percentile per-packet one-way delay: 62.762 ms

Loss rate: 0.29%

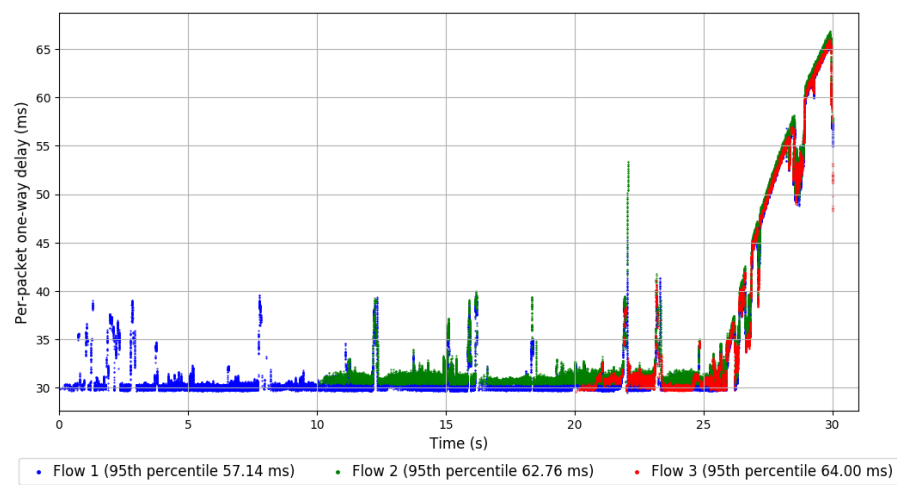
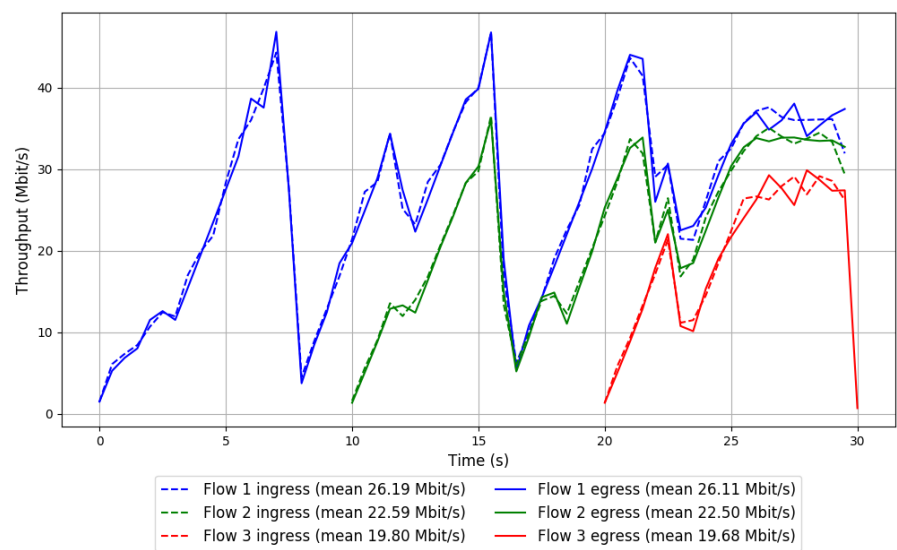
-- Flow 3:

Average throughput: 19.68 Mbit/s

95th percentile per-packet one-way delay: 64.001 ms

Loss rate: 0.43%

Run 4: Report of LEDBAT — Data Link

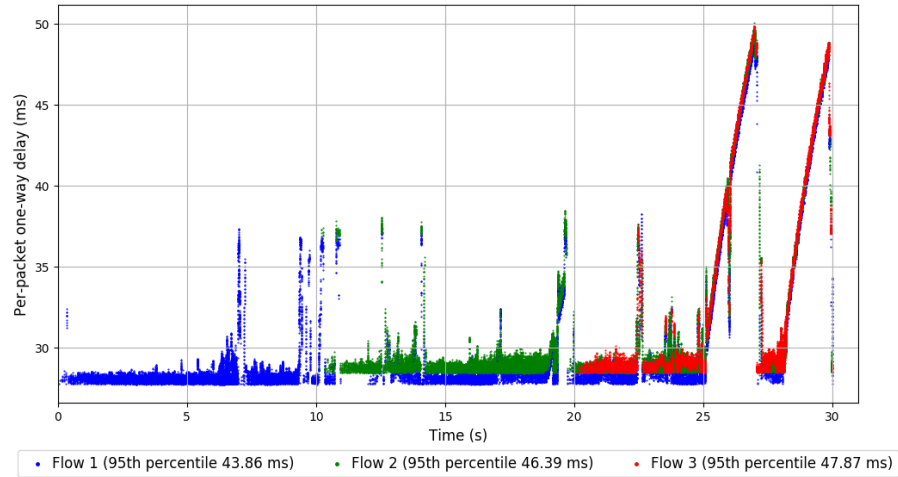
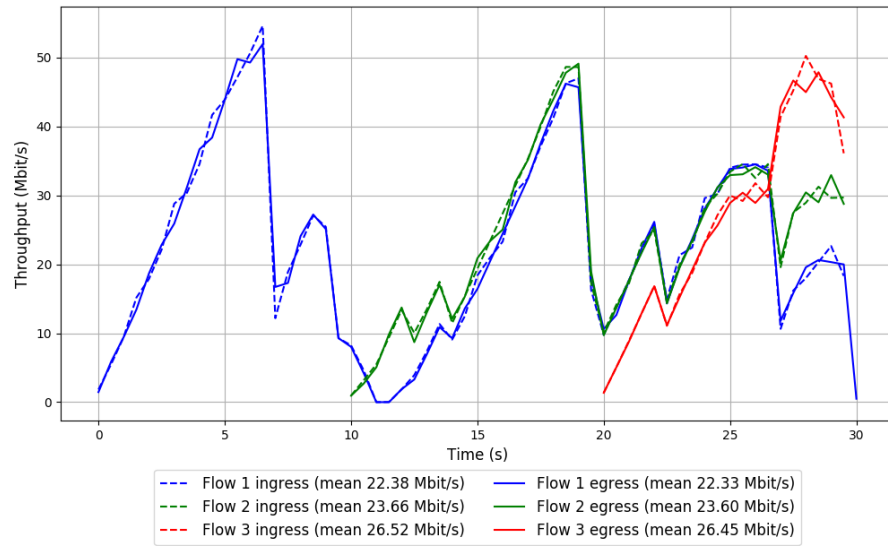


Run 5: Statistics of LEDBAT

Start at: 2018-03-06 17:57:32
End at: 2018-03-06 17:58:02
Local clock offset: -0.102 ms
Remote clock offset: -5.337 ms

Below is generated by plot.py at 2018-03-06 20:52:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 46.306 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 22.33 Mbit/s
95th percentile per-packet one-way delay: 43.858 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 23.60 Mbit/s
95th percentile per-packet one-way delay: 46.386 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 47.865 ms
Loss rate: 0.24%

Run 5: Report of LEDBAT — Data Link

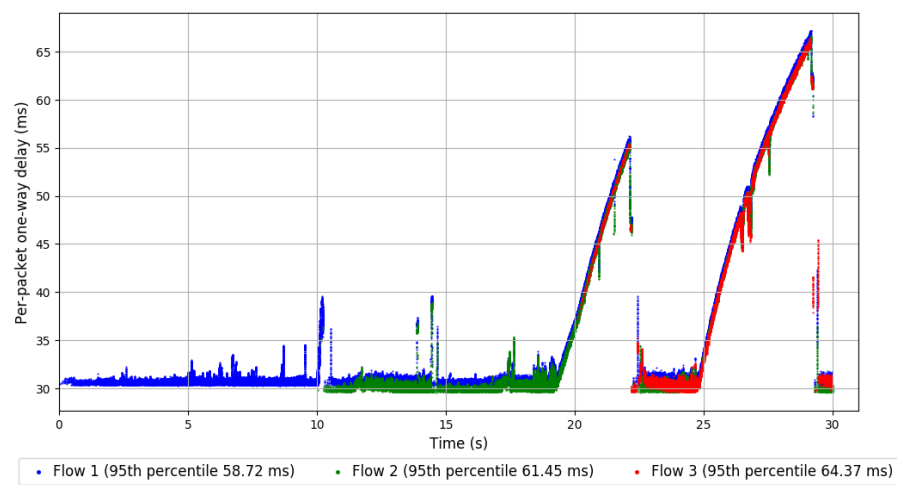
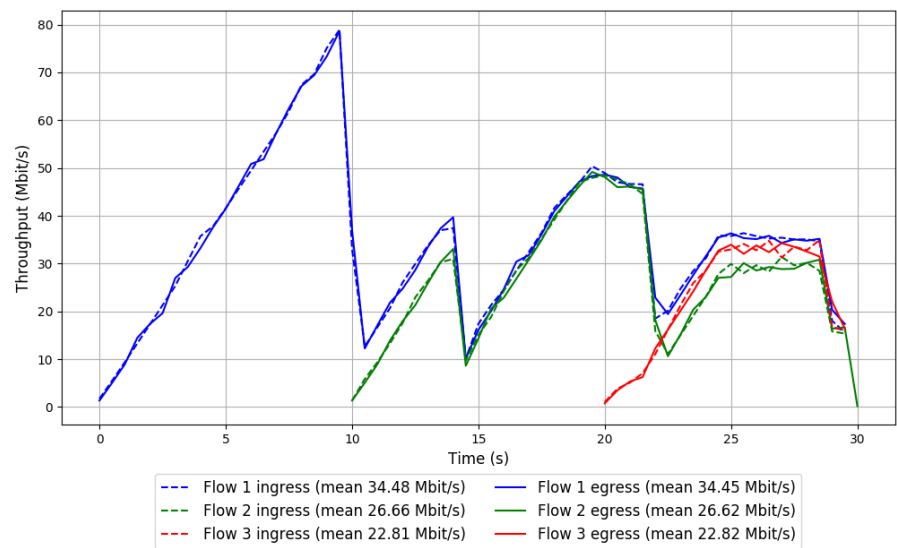


Run 6: Statistics of LEDBAT

Start at: 2018-03-06 18:23:45
End at: 2018-03-06 18:24:15
Local clock offset: 0.713 ms
Remote clock offset: -2.589 ms

Below is generated by plot.py at 2018-03-06 20:52:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 61.678 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 58.722 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 61.453 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 22.82 Mbit/s
95th percentile per-packet one-way delay: 64.374 ms
Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link

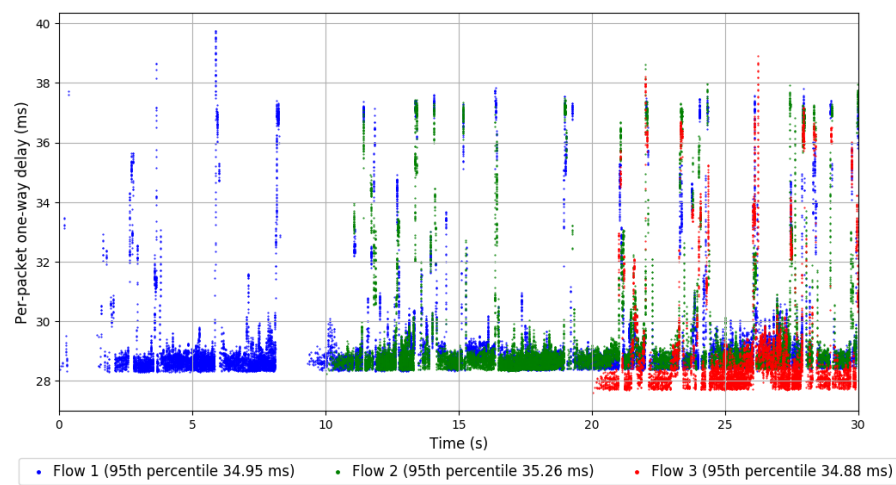
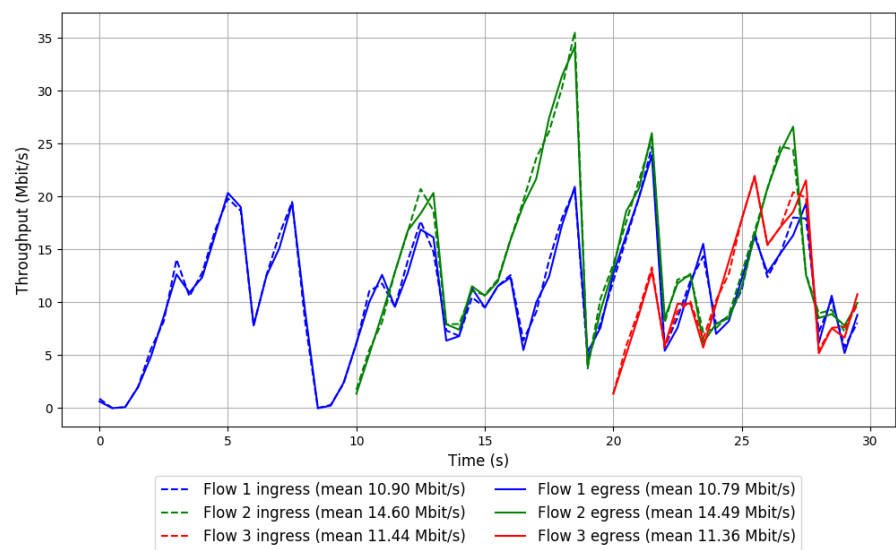


Run 7: Statistics of LEDBAT

Start at: 2018-03-06 18:49:58
End at: 2018-03-06 18:50:28
Local clock offset: 0.862 ms
Remote clock offset: -4.831 ms

Below is generated by plot.py at 2018-03-06 20:52:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 35.023 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 34.949 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 35.261 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 34.882 ms
Loss rate: 0.67%

Run 7: Report of LEDBAT — Data Link

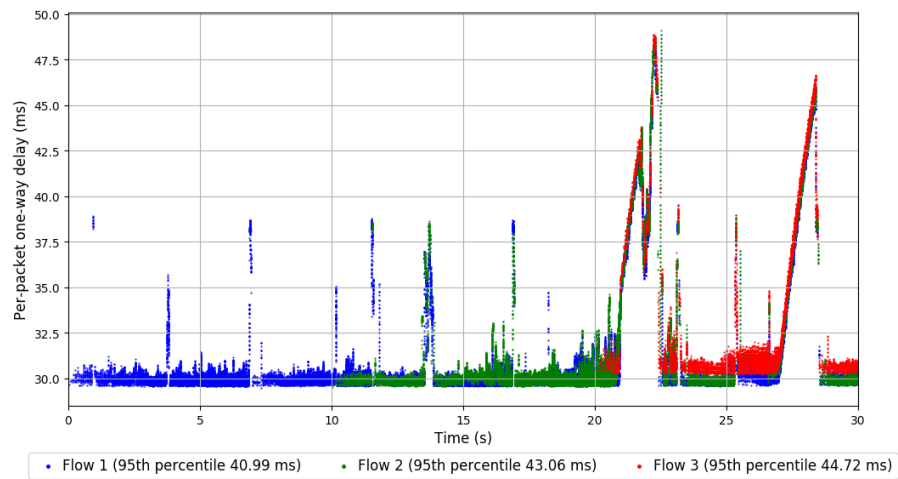
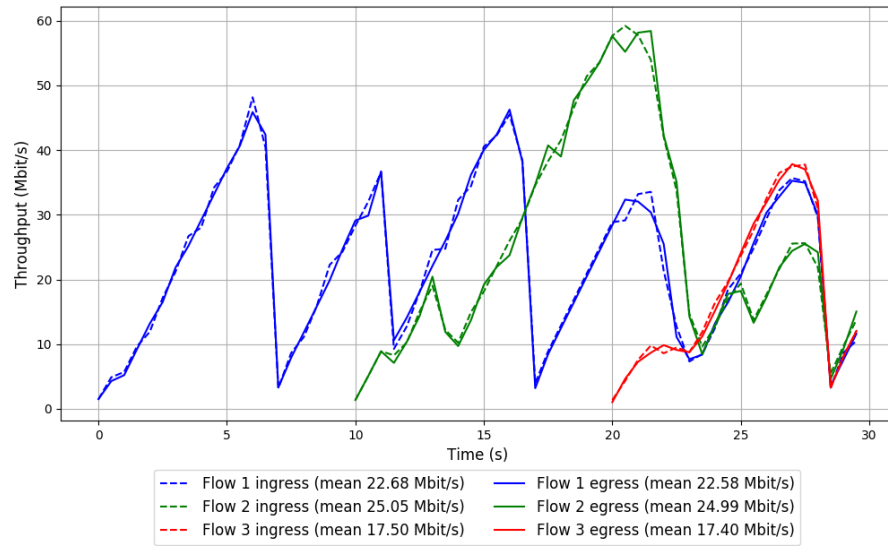


Run 8: Statistics of LEDBAT

Start at: 2018-03-06 19:16:50
End at: 2018-03-06 19:17:20
Local clock offset: 1.088 ms
Remote clock offset: -5.865 ms

Below is generated by plot.py at 2018-03-06 20:52:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 42.483 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 40.987 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 43.058 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 17.40 Mbit/s
95th percentile per-packet one-way delay: 44.724 ms
Loss rate: 0.57%

Run 8: Report of LEDBAT — Data Link

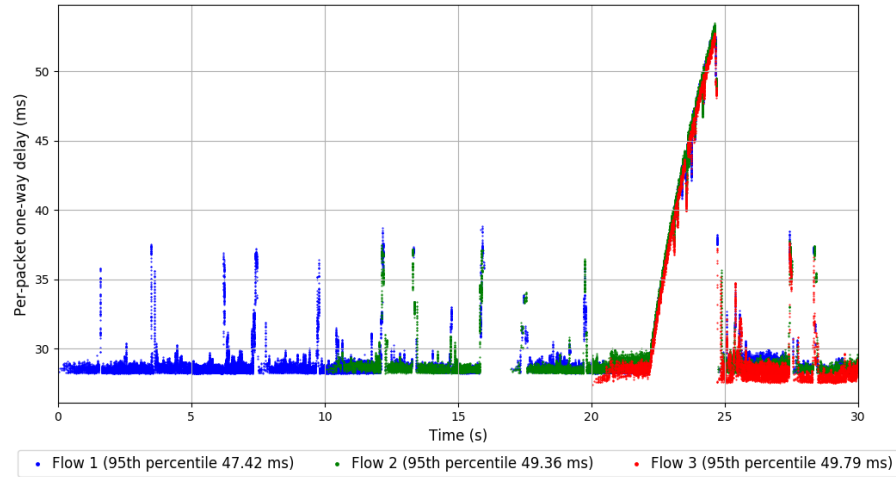
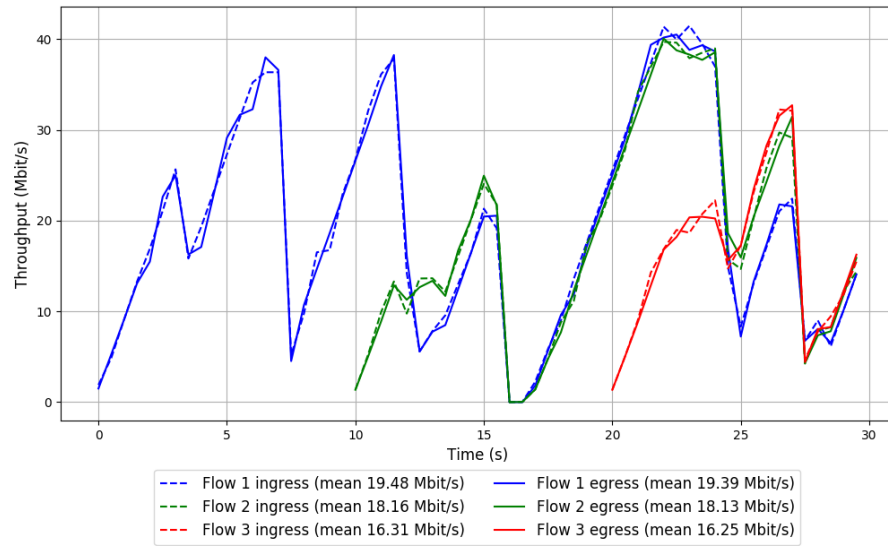


Run 9: Statistics of LEDBAT

Start at: 2018-03-06 19:45:50
End at: 2018-03-06 19:46:20
Local clock offset: 0.721 ms
Remote clock offset: -7.584 ms

Below is generated by plot.py at 2018-03-06 20:52:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 48.787 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 19.39 Mbit/s
95th percentile per-packet one-way delay: 47.421 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 49.358 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 49.788 ms
Loss rate: 0.38%

Run 9: Report of LEDBAT — Data Link

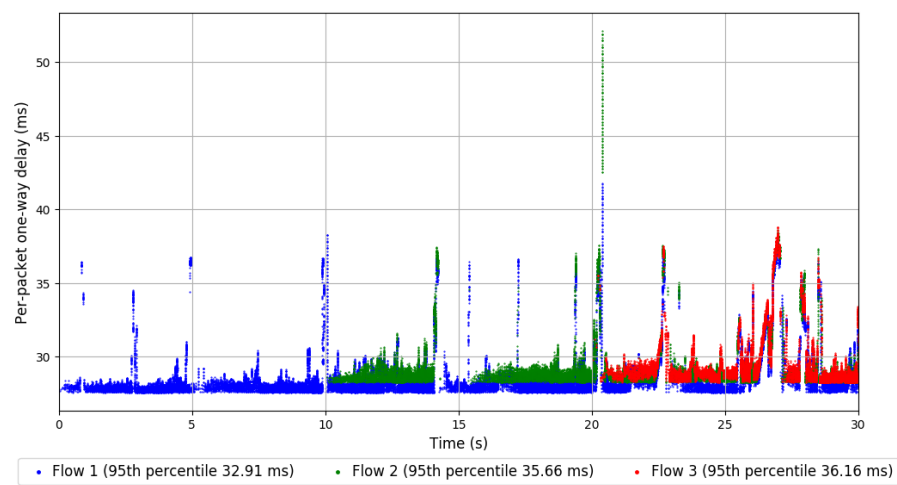
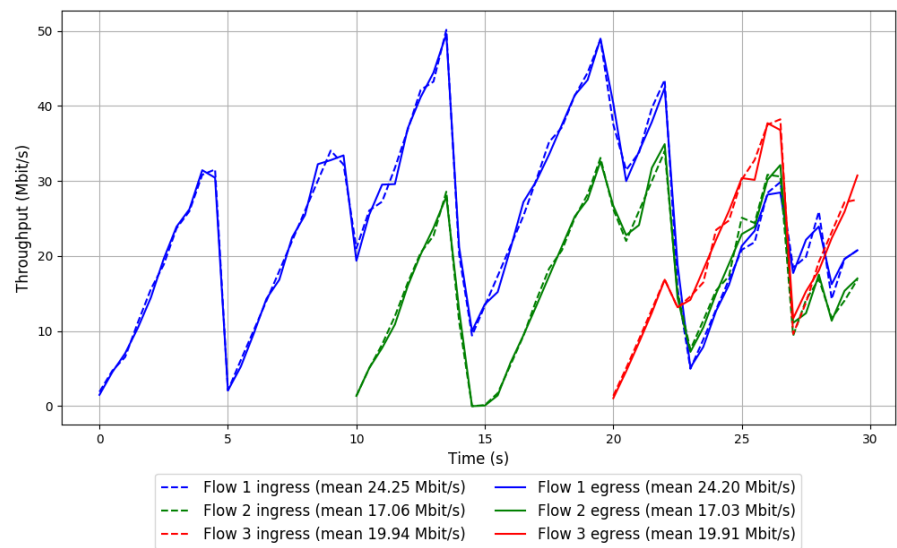


Run 10: Statistics of LEDBAT

Start at: 2018-03-06 20:12:27
End at: 2018-03-06 20:12:57
Local clock offset: 1.167 ms
Remote clock offset: -6.916 ms

Below is generated by plot.py at 2018-03-06 20:52:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 34.227 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 32.912 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 35.659 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 36.158 ms
Loss rate: 0.14%

Run 10: Report of LEDBAT — Data Link

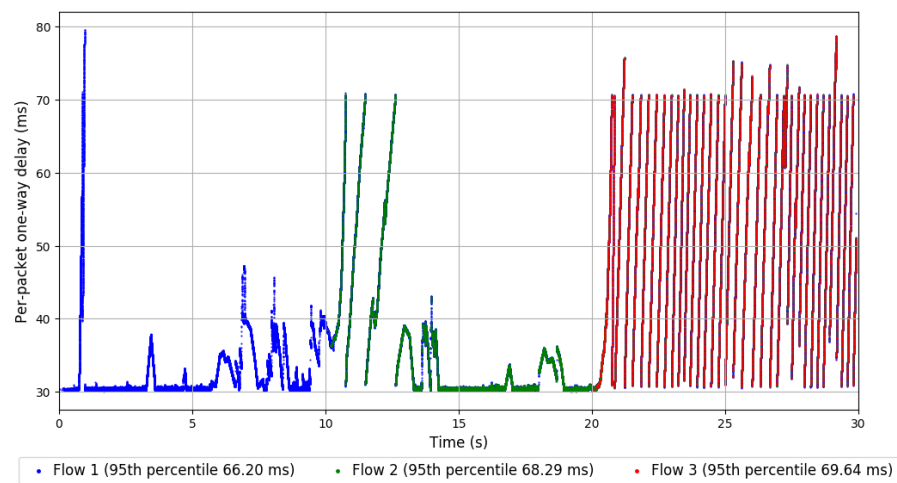
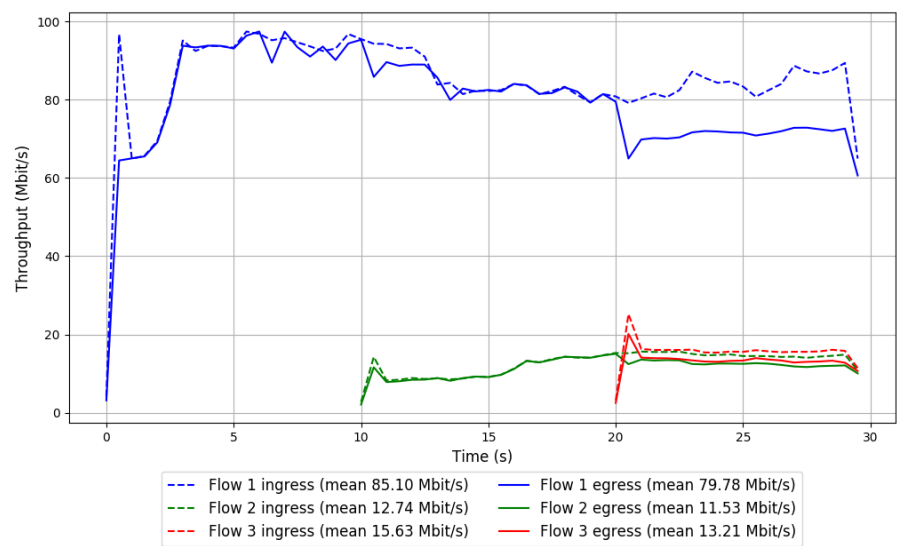


Run 1: Statistics of PCC

Start at: 2018-03-06 16:10:27
End at: 2018-03-06 16:10:57
Local clock offset: 0.818 ms
Remote clock offset: -2.437 ms

Below is generated by plot.py at 2018-03-06 20:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 66.886 ms
Loss rate: 6.93%
-- Flow 1:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 66.197 ms
Loss rate: 6.17%
-- Flow 2:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 68.286 ms
Loss rate: 9.39%
-- Flow 3:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 69.639 ms
Loss rate: 15.35%

Run 1: Report of PCC — Data Link

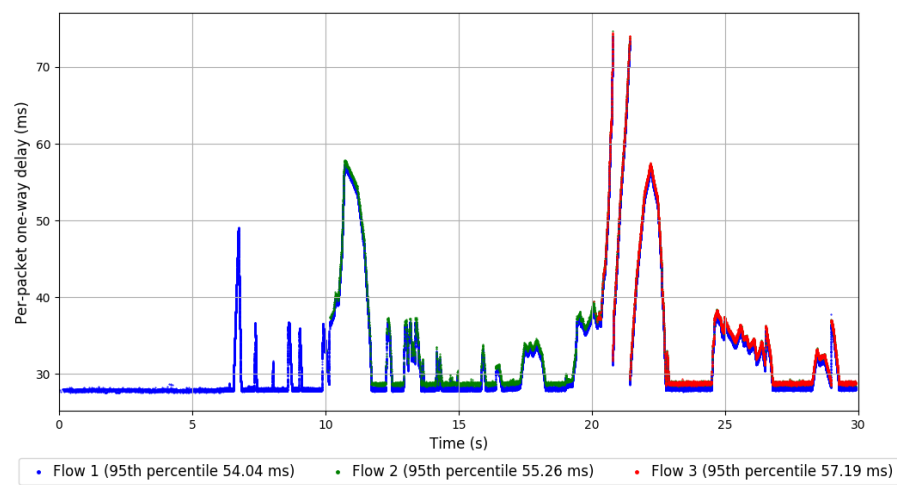
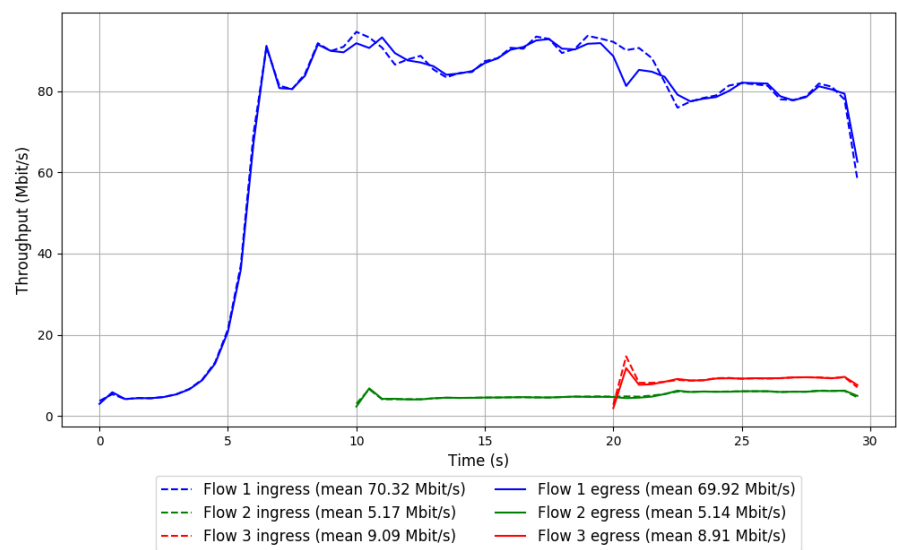


Run 2: Statistics of PCC

Start at: 2018-03-06 16:36:27
End at: 2018-03-06 16:36:57
Local clock offset: 0.701 ms
Remote clock offset: -1.485 ms

Below is generated by plot.py at 2018-03-06 20:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.27 Mbit/s
95th percentile per-packet one-way delay: 54.264 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 69.92 Mbit/s
95th percentile per-packet one-way delay: 54.042 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 5.14 Mbit/s
95th percentile per-packet one-way delay: 55.262 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 8.91 Mbit/s
95th percentile per-packet one-way delay: 57.186 ms
Loss rate: 2.09%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-03-06 17:02:00

End at: 2018-03-06 17:02:30

Local clock offset: 0.669 ms

Remote clock offset: 0.458 ms

Below is generated by plot.py at 2018-03-06 20:53:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.15 Mbit/s

95th percentile per-packet one-way delay: 39.742 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 39.752 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 39.597 ms

Loss rate: 1.49%

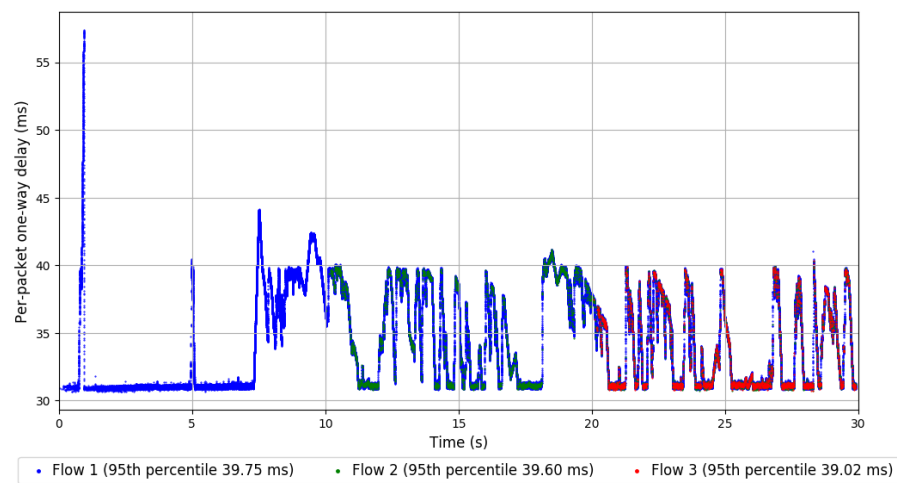
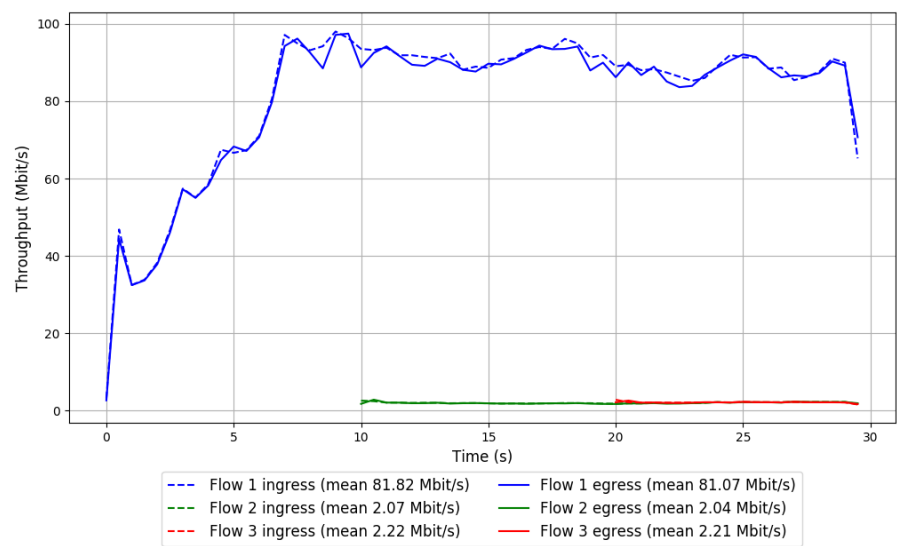
-- Flow 3:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 39.018 ms

Loss rate: 0.73%

Run 3: Report of PCC — Data Link

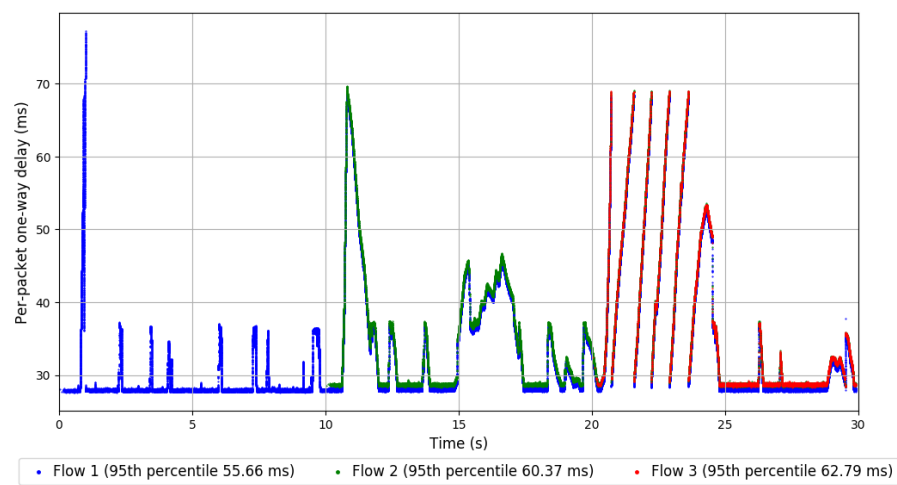
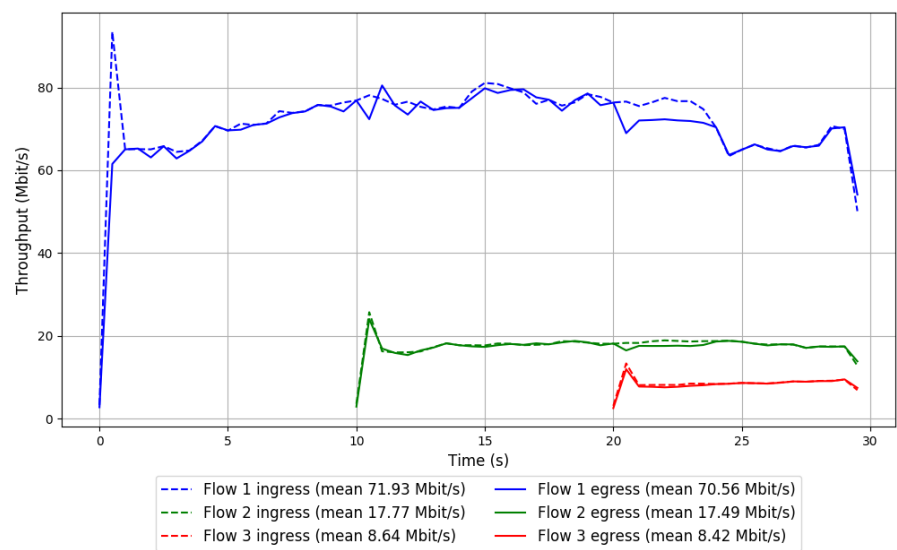


Run 4: Statistics of PCC

Start at: 2018-03-06 17:28:36
End at: 2018-03-06 17:29:06
Local clock offset: 0.287 ms
Remote clock offset: -2.733 ms

```
# Below is generated by plot.py at 2018-03-06 20:53:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 57.059 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 70.56 Mbit/s
95th percentile per-packet one-way delay: 55.657 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 60.366 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 62.792 ms
Loss rate: 2.54%
```

Run 4: Report of PCC — Data Link

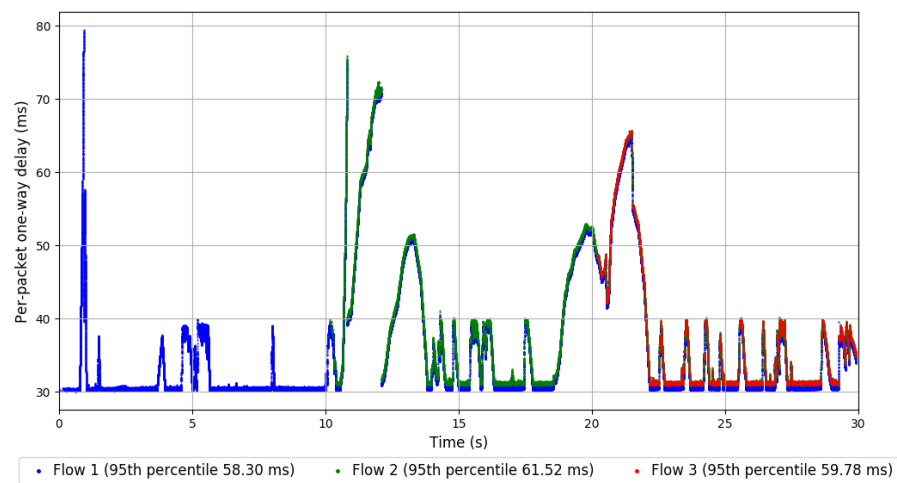
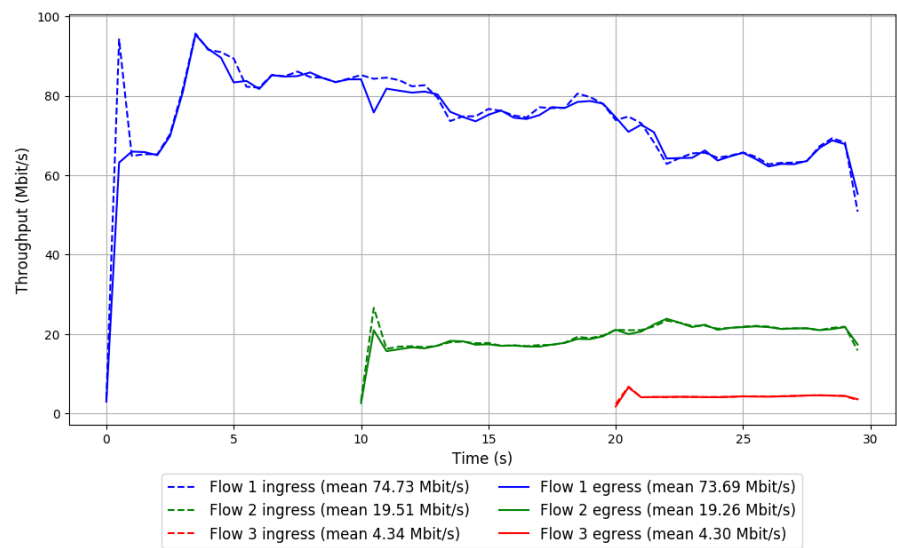


Run 5: Statistics of PCC

Start at: 2018-03-06 17:54:49
End at: 2018-03-06 17:55:19
Local clock offset: 0.018 ms
Remote clock offset: -2.523 ms

Below is generated by plot.py at 2018-03-06 20:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 58.881 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 73.69 Mbit/s
95th percentile per-packet one-way delay: 58.296 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 61.515 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 59.784 ms
Loss rate: 1.00%

Run 5: Report of PCC — Data Link

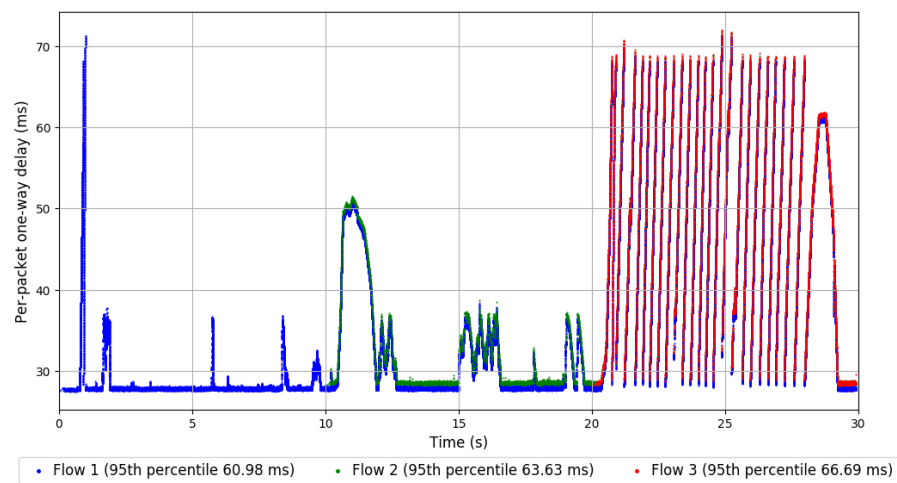
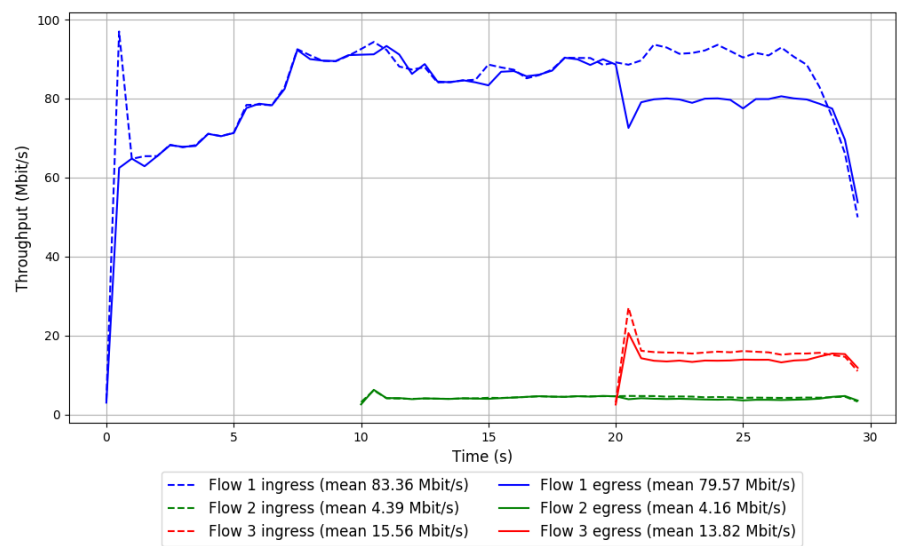


Run 6: Statistics of PCC

Start at: 2018-03-06 18:21:03
End at: 2018-03-06 18:21:33
Local clock offset: 0.629 ms
Remote clock offset: -4.957 ms

Below is generated by plot.py at 2018-03-06 20:54:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 61.802 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 79.57 Mbit/s
95th percentile per-packet one-way delay: 60.980 ms
Loss rate: 4.55%
-- Flow 2:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 63.631 ms
Loss rate: 5.34%
-- Flow 3:
Average throughput: 13.82 Mbit/s
95th percentile per-packet one-way delay: 66.695 ms
Loss rate: 11.18%

Run 6: Report of PCC — Data Link

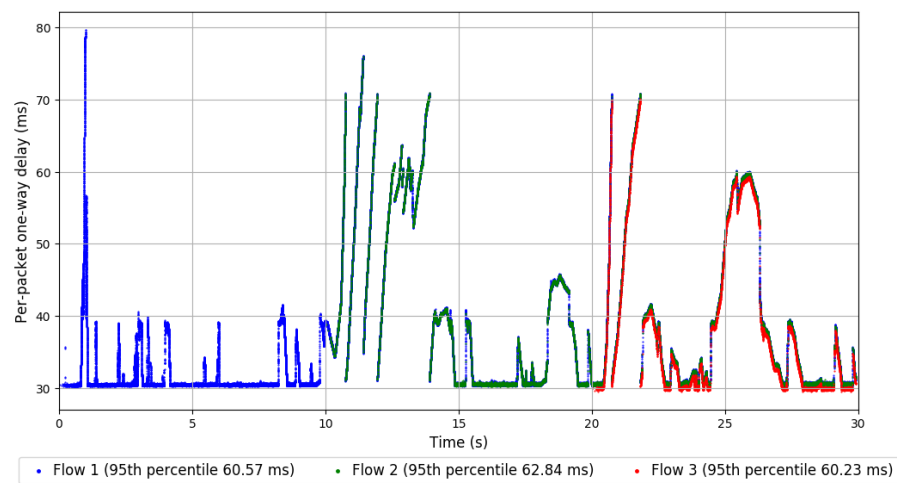
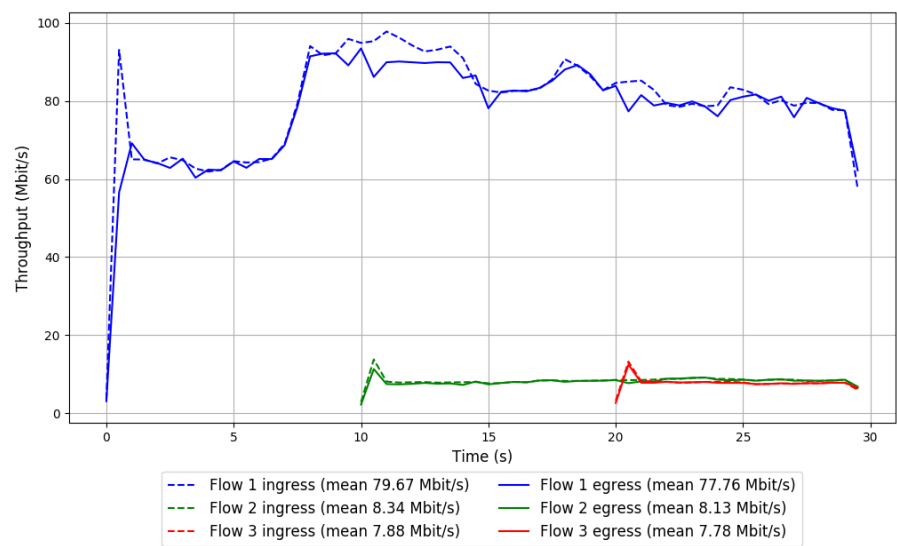


Run 7: Statistics of PCC

Start at: 2018-03-06 18:47:15
End at: 2018-03-06 18:47:45
Local clock offset: 0.867 ms
Remote clock offset: -2.336 ms

Below is generated by plot.py at 2018-03-06 20:54:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 60.700 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 77.76 Mbit/s
95th percentile per-packet one-way delay: 60.572 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 8.13 Mbit/s
95th percentile per-packet one-way delay: 62.835 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 60.230 ms
Loss rate: 1.31%

Run 7: Report of PCC — Data Link

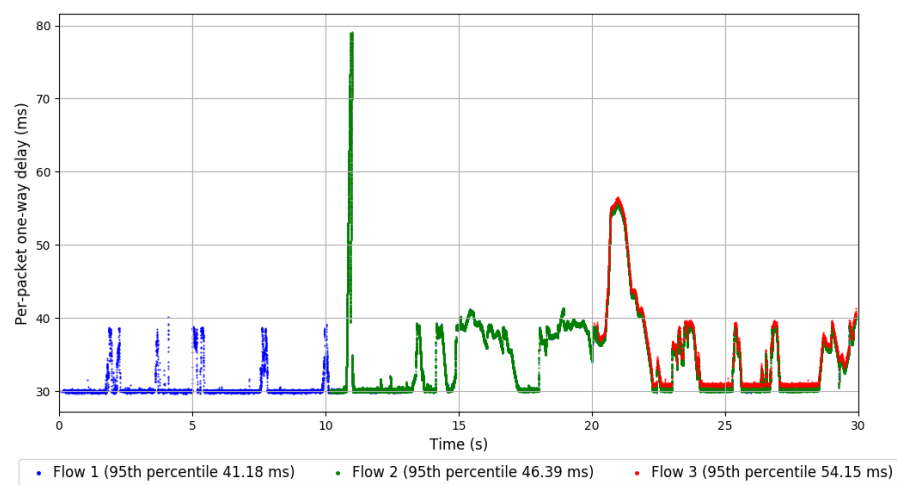
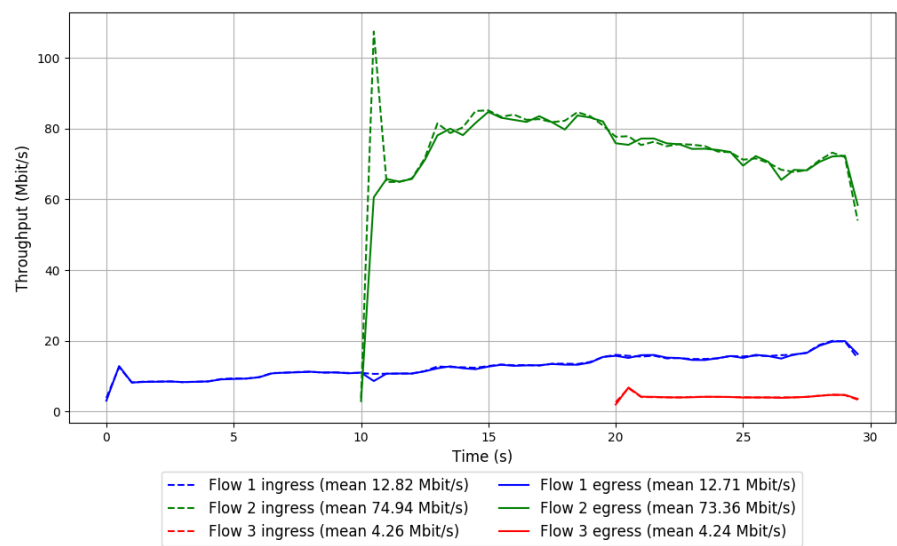


Run 8: Statistics of PCC

Start at: 2018-03-06 19:14:06
End at: 2018-03-06 19:14:36
Local clock offset: 0.979 ms
Remote clock offset: -5.533 ms

Below is generated by plot.py at 2018-03-06 20:54:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 45.261 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 41.184 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 73.36 Mbit/s
95th percentile per-packet one-way delay: 46.391 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 54.149 ms
Loss rate: 0.41%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-03-06 19:43:06

End at: 2018-03-06 19:43:36

Local clock offset: 0.789 ms

Remote clock offset: -5.16 ms

Below is generated by plot.py at 2018-03-06 20:54:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 59.764 ms

Loss rate: 2.82%

-- Flow 1:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: 54.111 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 68.82 Mbit/s

95th percentile per-packet one-way delay: 59.456 ms

Loss rate: 2.88%

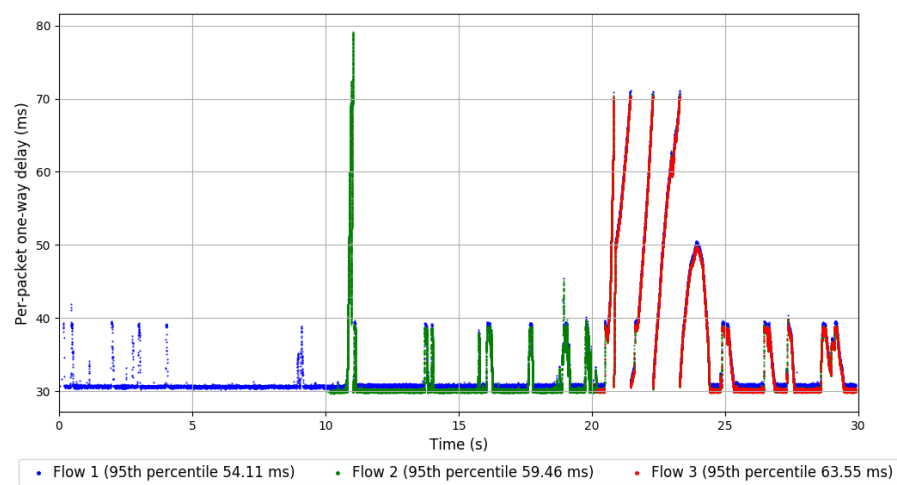
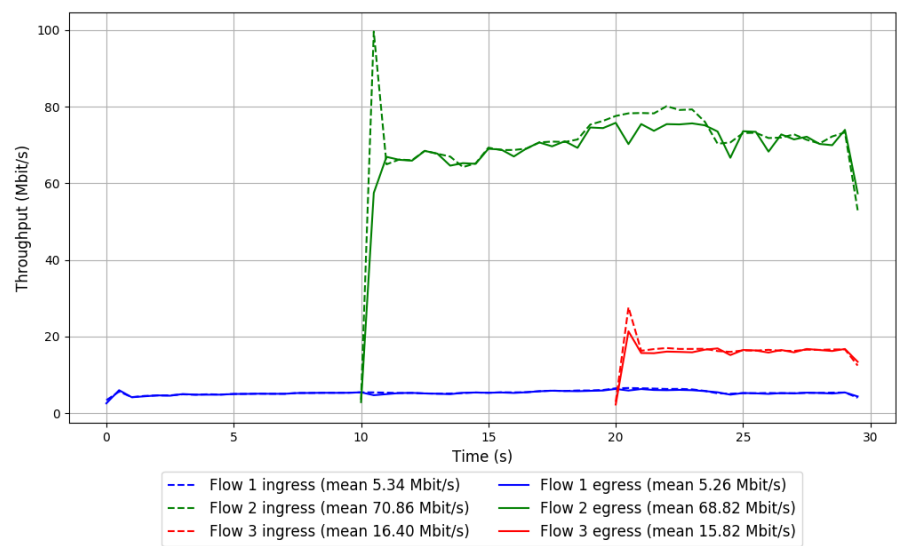
-- Flow 3:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 63.548 ms

Loss rate: 3.55%

Run 9: Report of PCC — Data Link

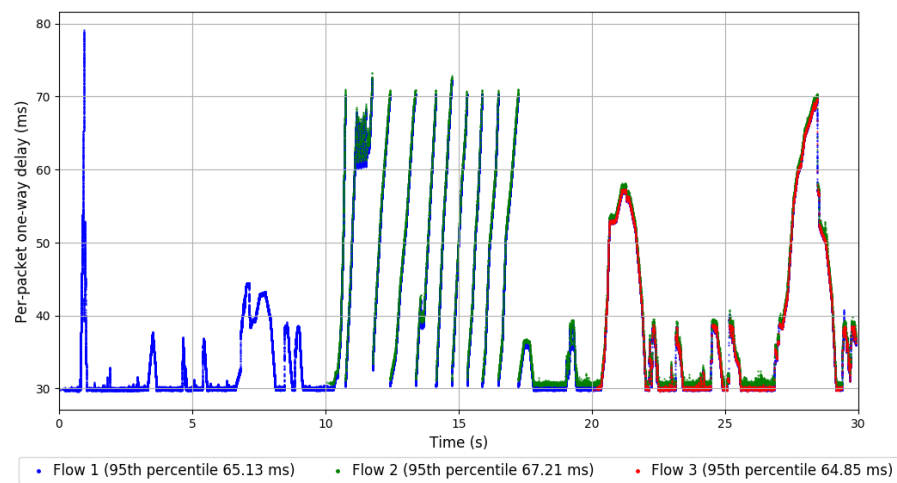
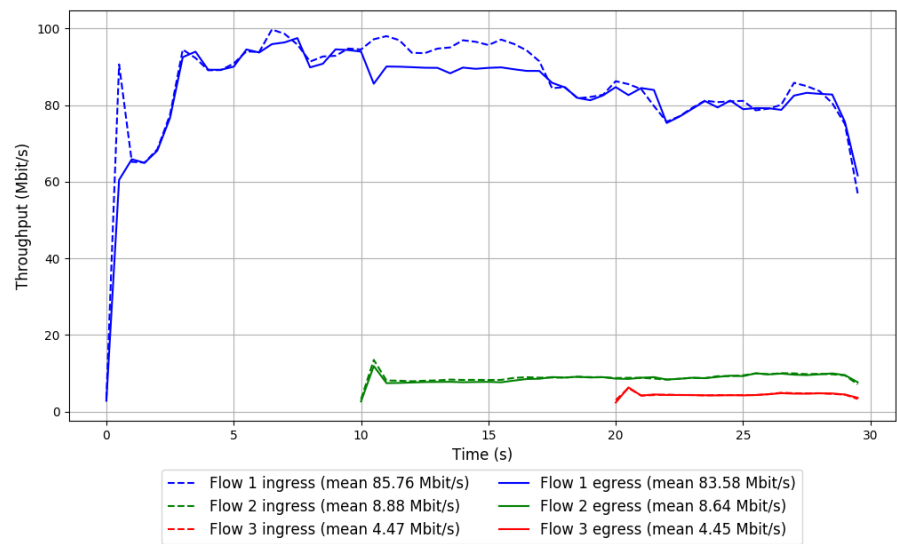


Run 10: Statistics of PCC

Start at: 2018-03-06 20:09:39
End at: 2018-03-06 20:10:09
Local clock offset: 1.106 ms
Remote clock offset: -4.843 ms

Below is generated by plot.py at 2018-03-06 20:54:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 65.341 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 65.133 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 67.214 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 64.850 ms
Loss rate: 0.50%

Run 10: Report of PCC — Data Link

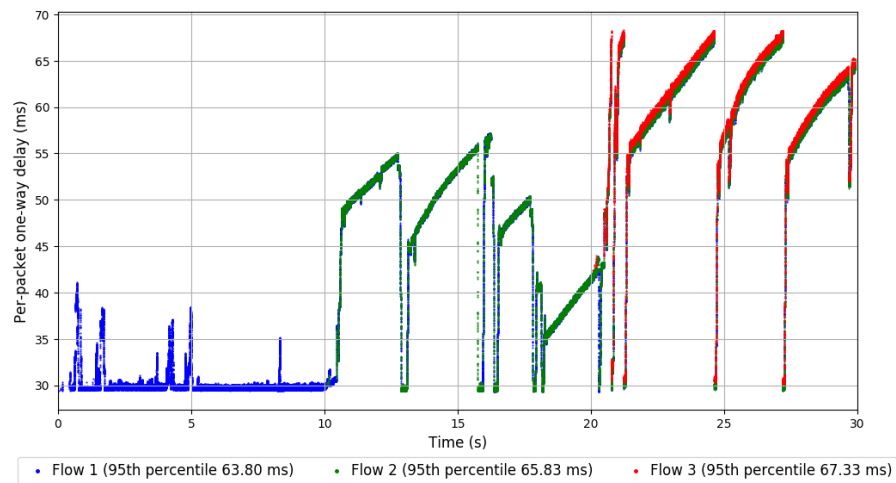
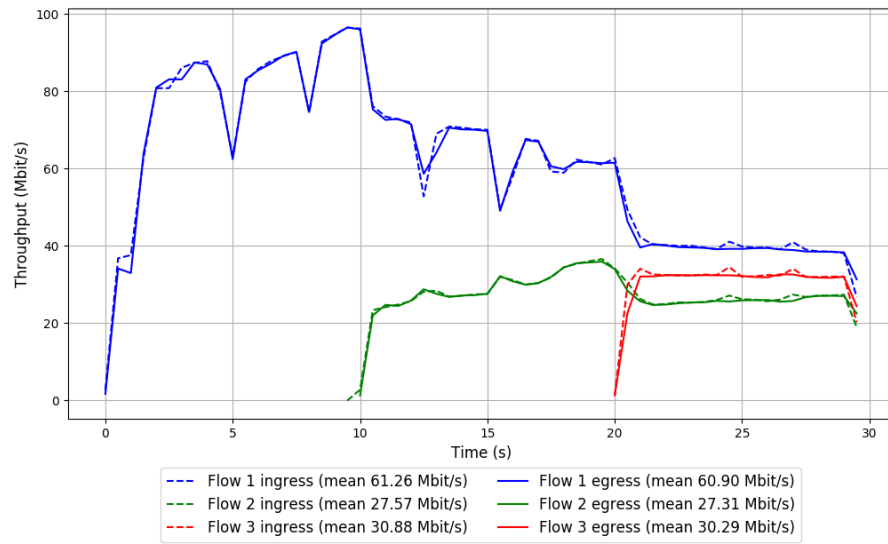


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-06 16:05:00
End at: 2018-03-06 16:05:30
Local clock offset: 0.756 ms
Remote clock offset: -5.289 ms

Below is generated by plot.py at 2018-03-06 20:55:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 65.557 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 63.801 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 65.826 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 67.327 ms
Loss rate: 1.68%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-06 16:30:51

End at: 2018-03-06 16:31:21

Local clock offset: 0.783 ms

Remote clock offset: 1.683 ms

Below is generated by plot.py at 2018-03-06 20:55:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.83 Mbit/s

95th percentile per-packet one-way delay: 66.030 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 63.99 Mbit/s

95th percentile per-packet one-way delay: 65.575 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 19.48 Mbit/s

95th percentile per-packet one-way delay: 66.374 ms

Loss rate: 1.17%

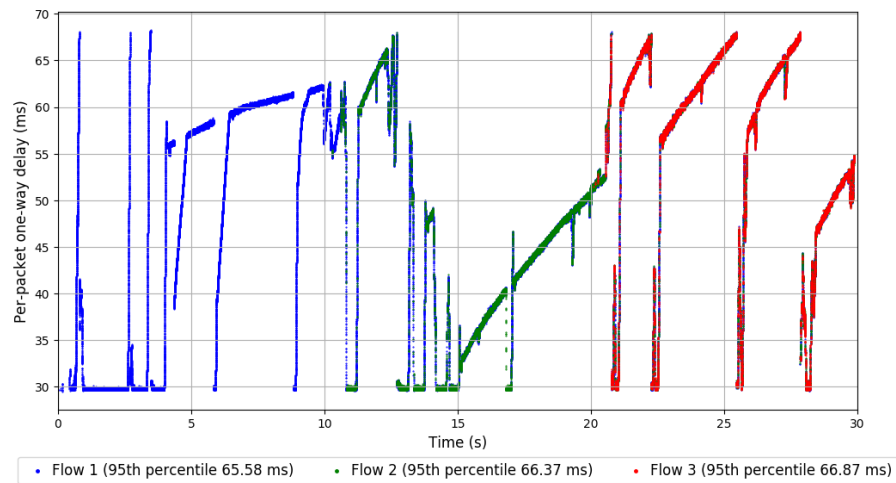
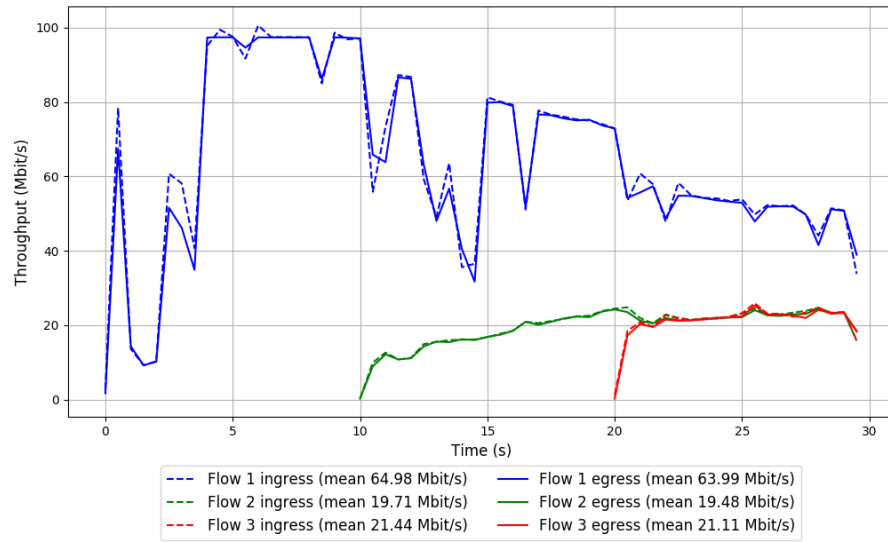
-- Flow 3:

Average throughput: 21.11 Mbit/s

95th percentile per-packet one-way delay: 66.867 ms

Loss rate: 1.51%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-03-06 16:56:14

End at: 2018-03-06 16:56:44

Local clock offset: 0.761 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-03-06 20:55:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.97 Mbit/s

95th percentile per-packet one-way delay: 65.337 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 63.048 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 43.60 Mbit/s

95th percentile per-packet one-way delay: 67.058 ms

Loss rate: 1.03%

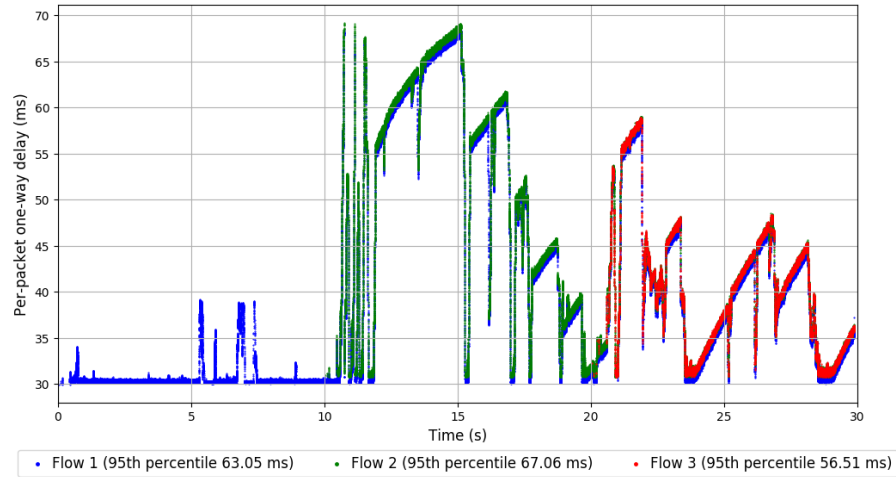
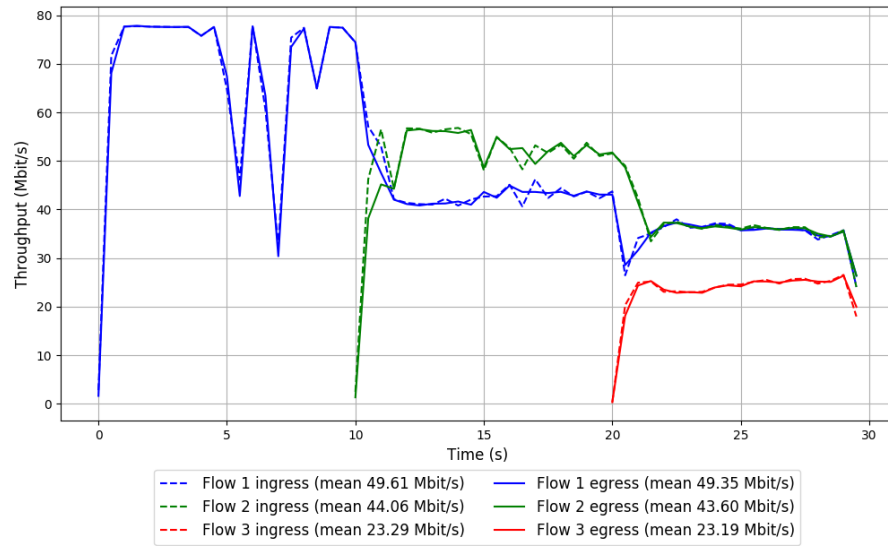
-- Flow 3:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 56.511 ms

Loss rate: 0.37%

Run 3: Report of QUIC Cubic — Data Link

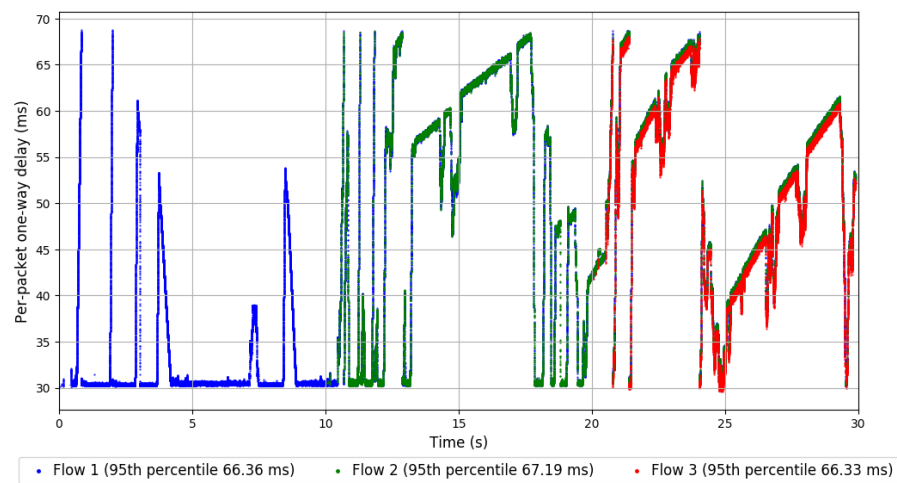
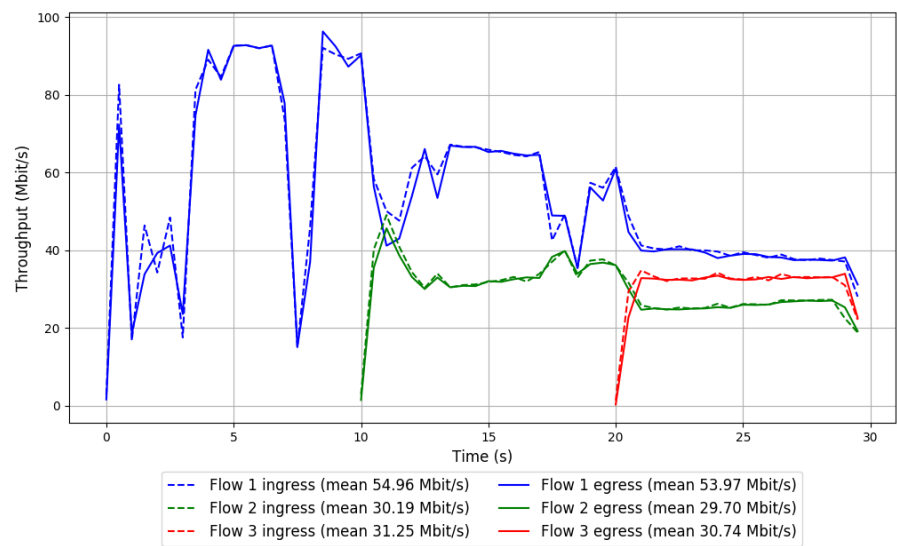


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-06 17:22:46
End at: 2018-03-06 17:23:16
Local clock offset: 0.51 ms
Remote clock offset: -0.676 ms

Below is generated by plot.py at 2018-03-06 20:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 66.596 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 66.362 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: 67.187 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 66.334 ms
Loss rate: 1.54%

Run 4: Report of QUIC Cubic — Data Link

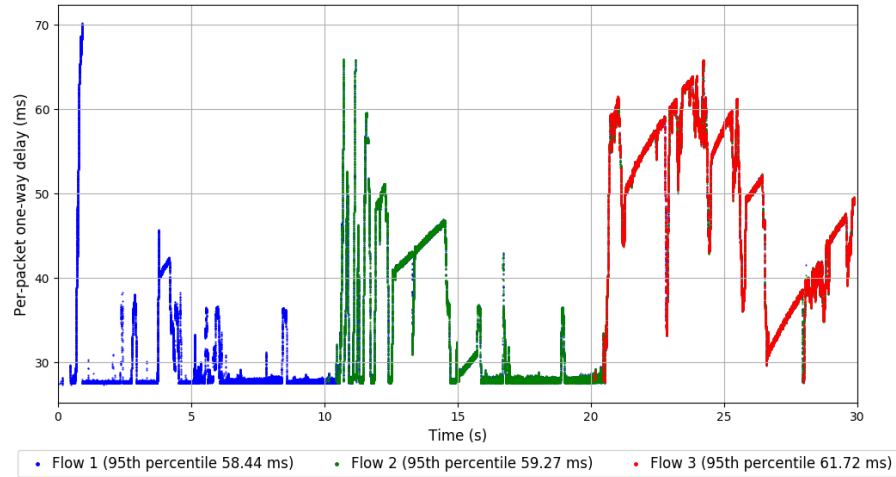
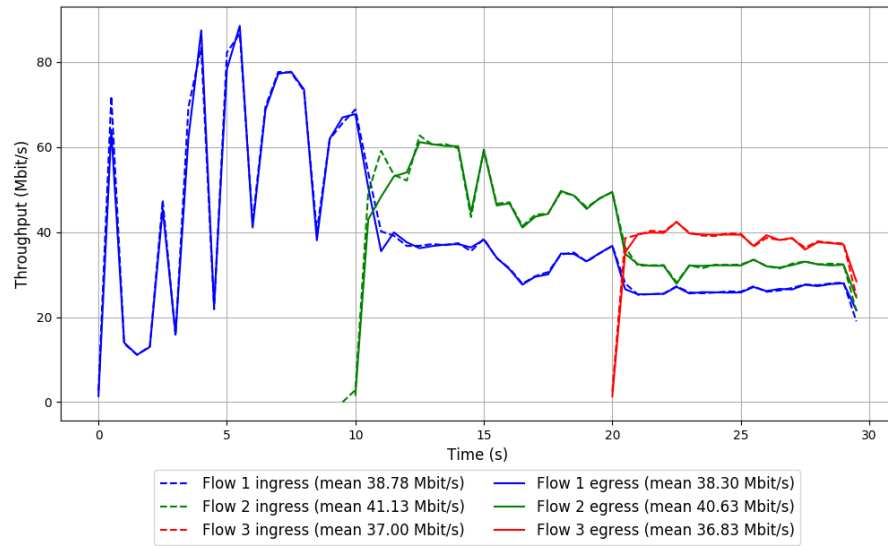


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-06 17:49:07
End at: 2018-03-06 17:49:37
Local clock offset: 0.096 ms
Remote clock offset: -4.506 ms

Below is generated by plot.py at 2018-03-06 20:55:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.47 Mbit/s
95th percentile per-packet one-way delay: 59.769 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 58.442 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 59.275 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 61.715 ms
Loss rate: 0.25%

Run 5: Report of QUIC Cubic — Data Link

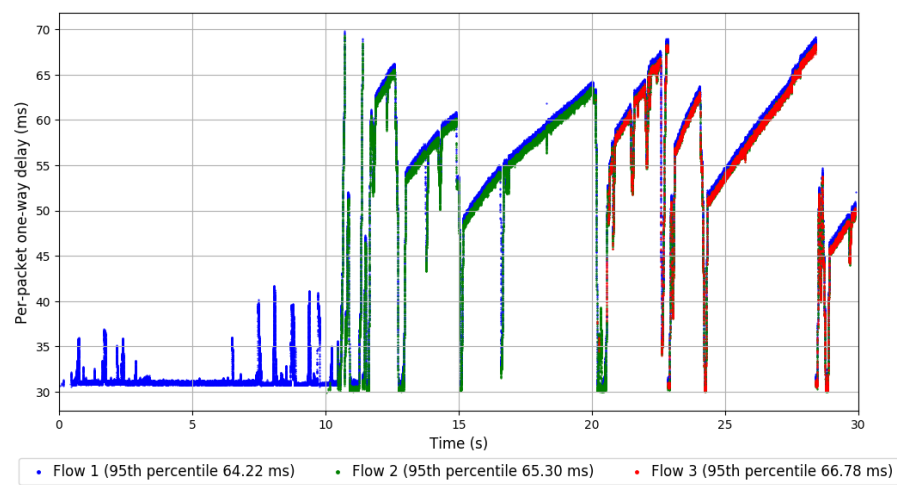
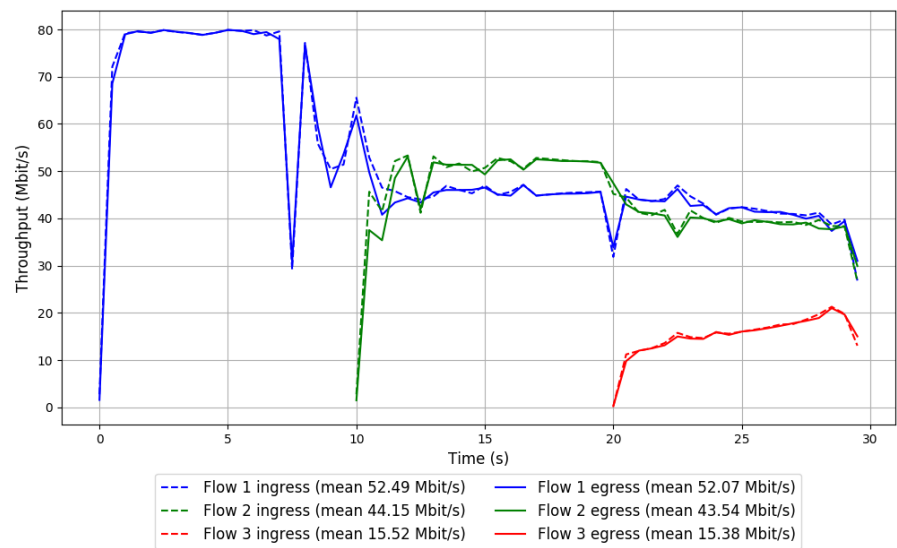


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-06 18:15:15
End at: 2018-03-06 18:15:45
Local clock offset: 0.405 ms
Remote clock offset: -3.737 ms

Below is generated by plot.py at 2018-03-06 20:55:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 65.223 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 64.220 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 43.54 Mbit/s
95th percentile per-packet one-way delay: 65.297 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 15.38 Mbit/s
95th percentile per-packet one-way delay: 66.778 ms
Loss rate: 1.05%

Run 6: Report of QUIC Cubic — Data Link

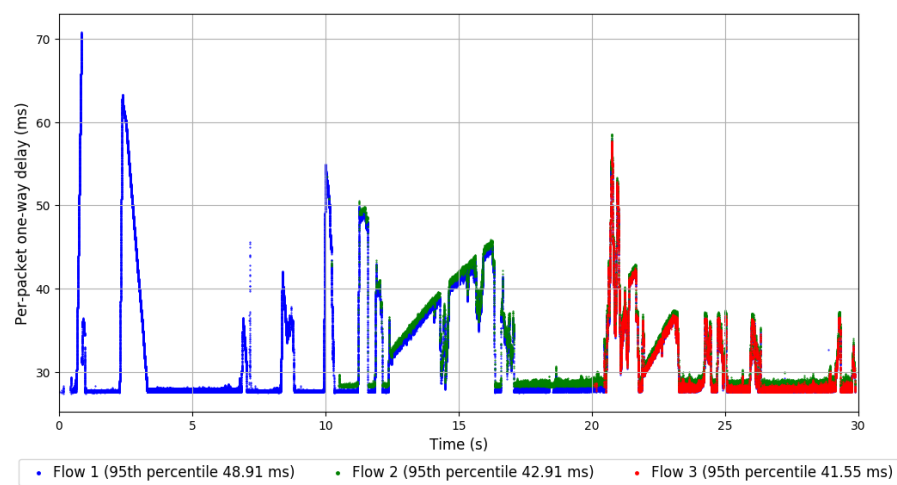
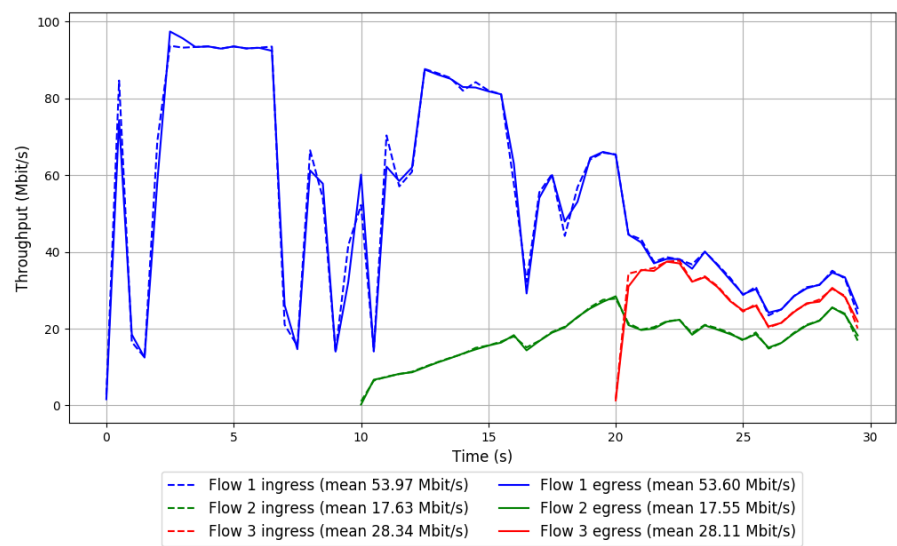


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-06 18:41:24
End at: 2018-03-06 18:41:54
Local clock offset: 0.817 ms
Remote clock offset: -4.283 ms

Below is generated by plot.py at 2018-03-06 20:55:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 48.183 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 48.907 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 42.910 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 28.11 Mbit/s
95th percentile per-packet one-way delay: 41.547 ms
Loss rate: 0.81%

Run 7: Report of QUIC Cubic — Data Link

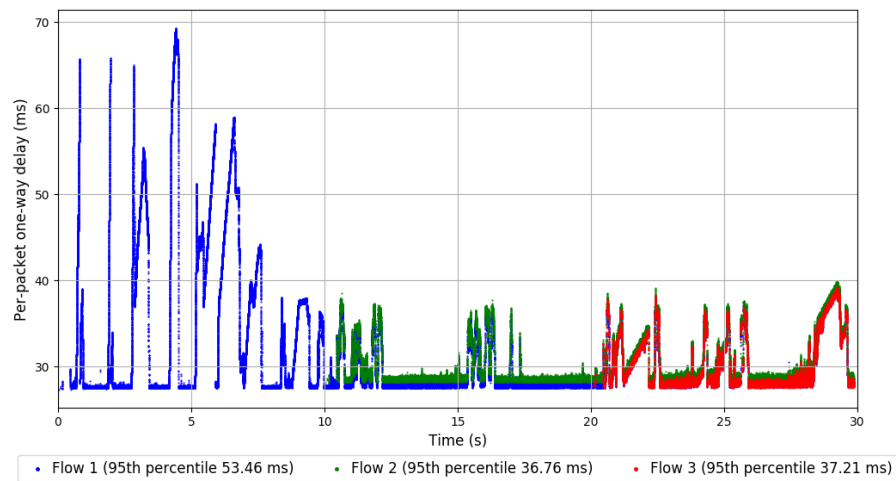
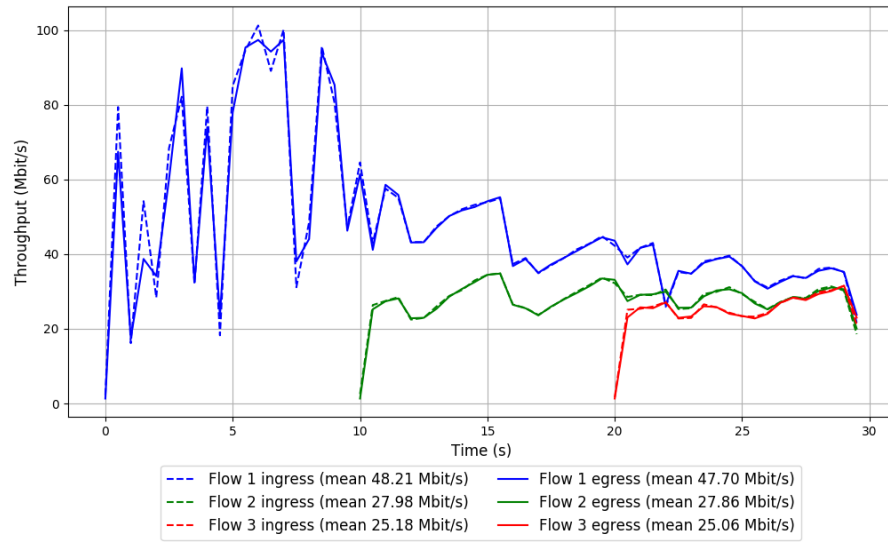


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-06 19:08:14
End at: 2018-03-06 19:08:44
Local clock offset: 1.029 ms
Remote clock offset: -7.307 ms

Below is generated by plot.py at 2018-03-06 20:56:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.46 Mbit/s
95th percentile per-packet one-way delay: 49.950 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 47.70 Mbit/s
95th percentile per-packet one-way delay: 53.461 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 27.86 Mbit/s
95th percentile per-packet one-way delay: 36.757 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 37.214 ms
Loss rate: 0.47%

Run 8: Report of QUIC Cubic — Data Link

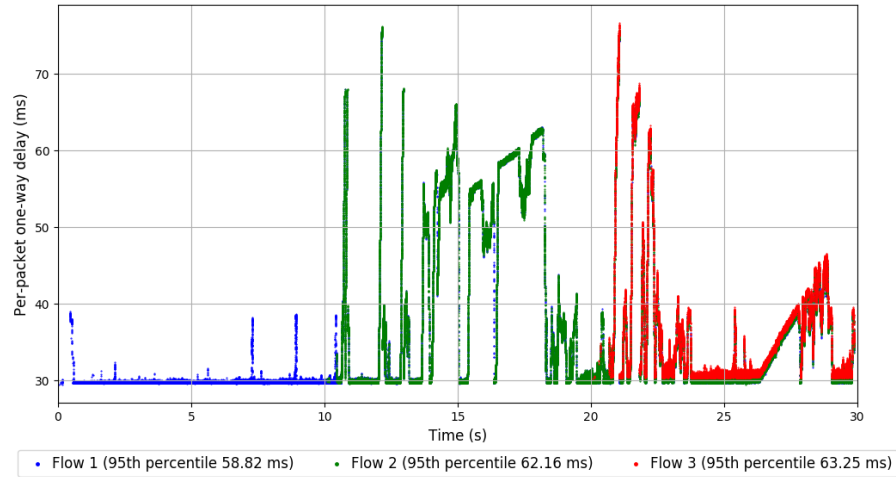
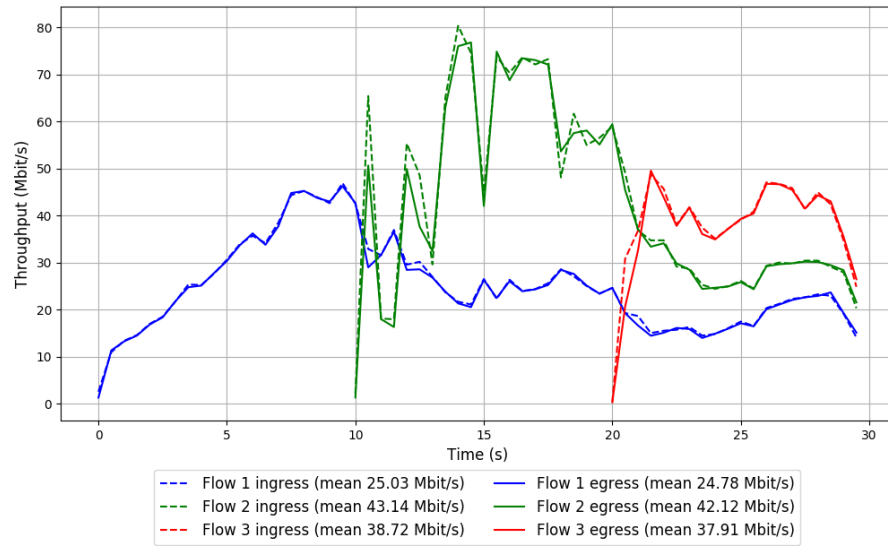


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-06 19:36:48
End at: 2018-03-06 19:37:18
Local clock offset: 0.835 ms
Remote clock offset: -5.223 ms

Below is generated by plot.py at 2018-03-06 20:56:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.25 Mbit/s
95th percentile per-packet one-way delay: 61.629 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 58.824 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 62.165 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 63.250 ms
Loss rate: 2.06%

Run 9: Report of QUIC Cubic — Data Link

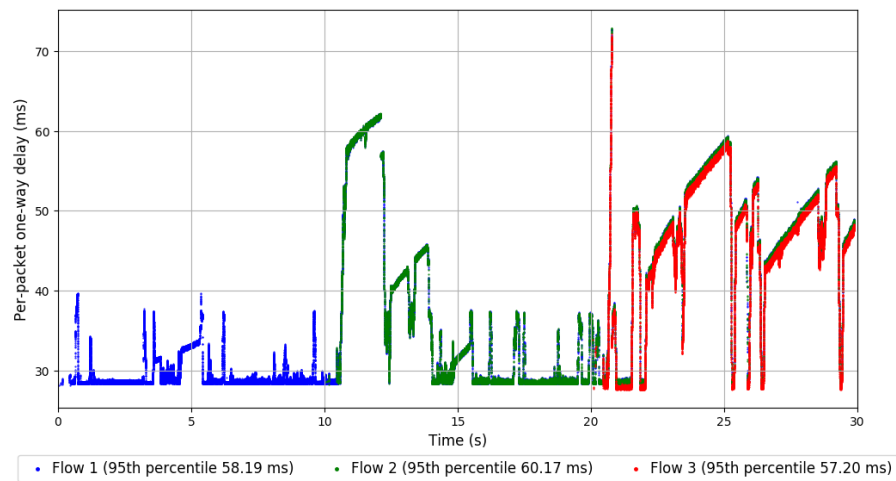
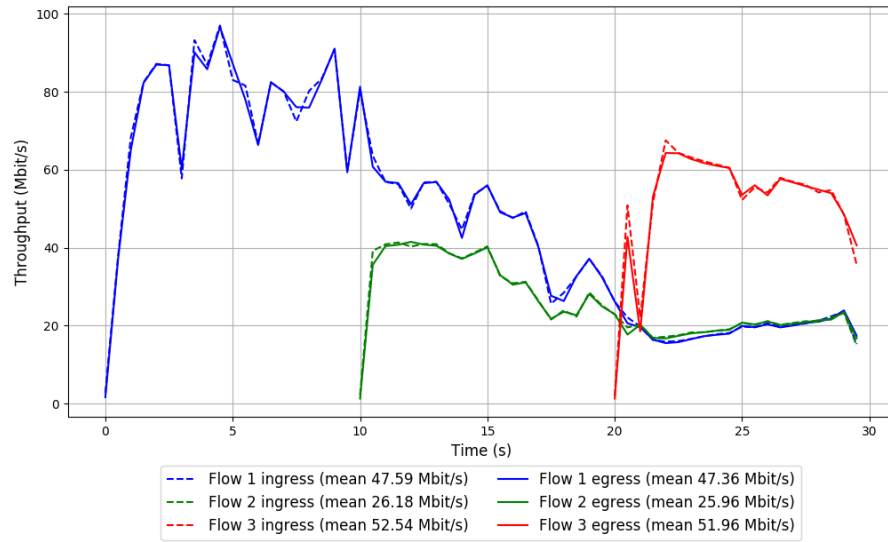


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-06 20:03:44
End at: 2018-03-06 20:04:14
Local clock offset: 0.95 ms
Remote clock offset: -7.193 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.72 Mbit/s
95th percentile per-packet one-way delay: 58.395 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 58.193 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 60.168 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 51.96 Mbit/s
95th percentile per-packet one-way delay: 57.205 ms
Loss rate: 0.97%

Run 10: Report of QUIC Cubic — Data Link

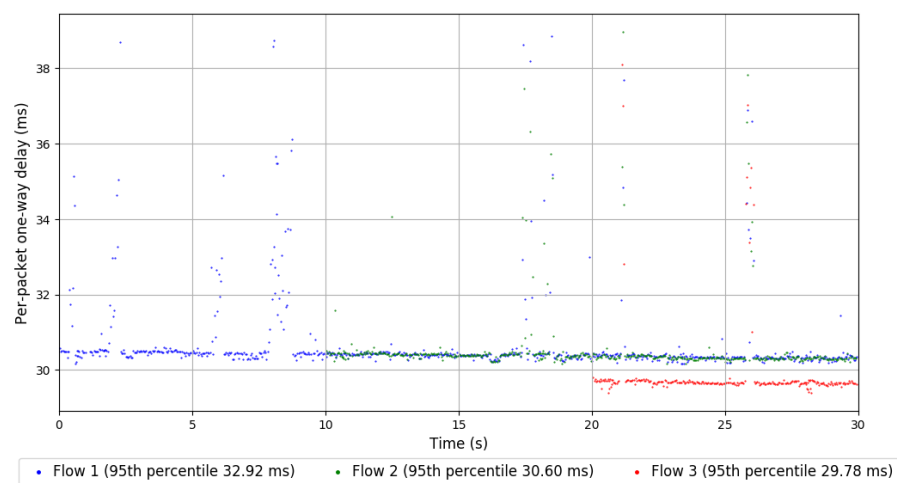
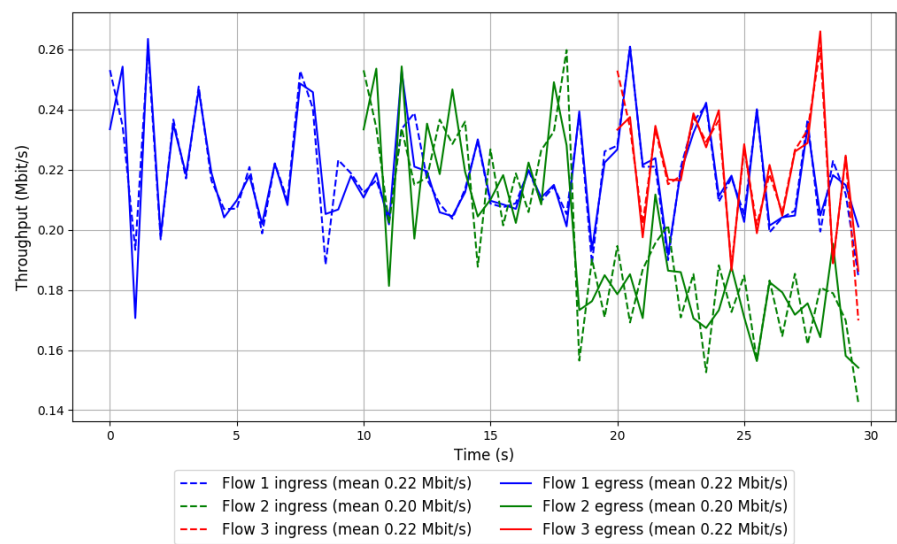


```
Run 1: Statistics of SReAM

Start at: 2018-03-06 16:11:49
End at: 2018-03-06 16:12:19
Local clock offset: 0.716 ms
Remote clock offset: -1.922 ms

# Below is generated by plot.py at 2018-03-06 20:56:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 32.162 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.598 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.783 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-03-06 16:37:49

End at: 2018-03-06 16:38:19

Local clock offset: 0.773 ms

Remote clock offset: 0.419 ms

Below is generated by plot.py at 2018-03-06 20:56:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.720 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.719 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.722 ms

Loss rate: 0.18%

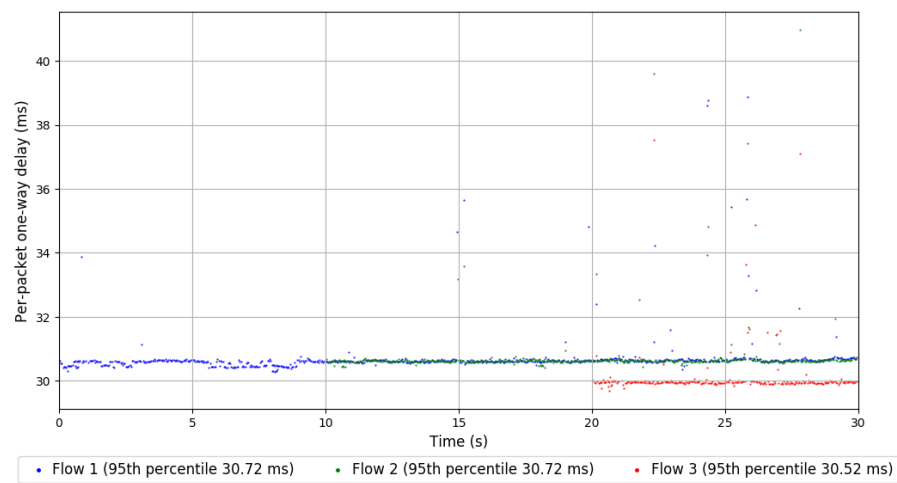
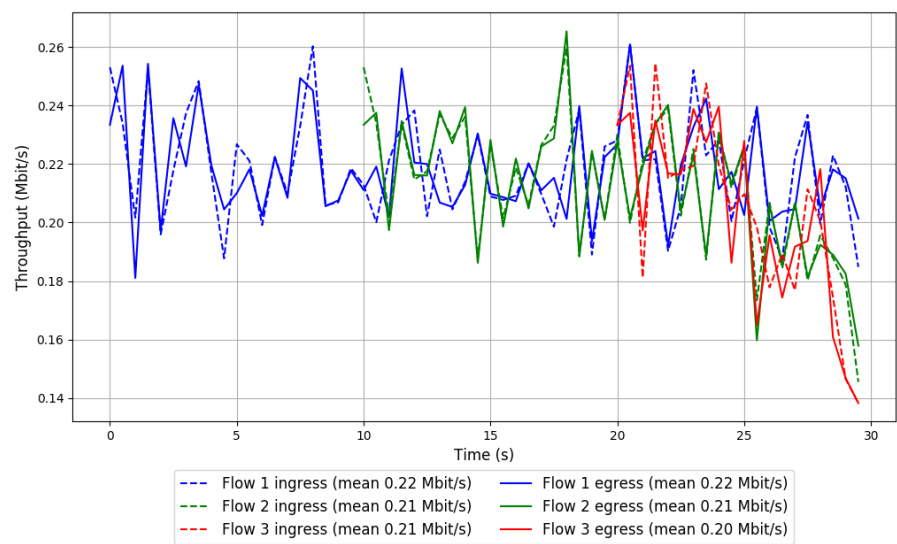
-- Flow 3:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 30.523 ms

Loss rate: 0.71%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-03-06 17:03:26

End at: 2018-03-06 17:03:56

Local clock offset: 0.745 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-03-06 20:56:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 32.130 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 31.166 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 32.051 ms

Loss rate: 0.21%

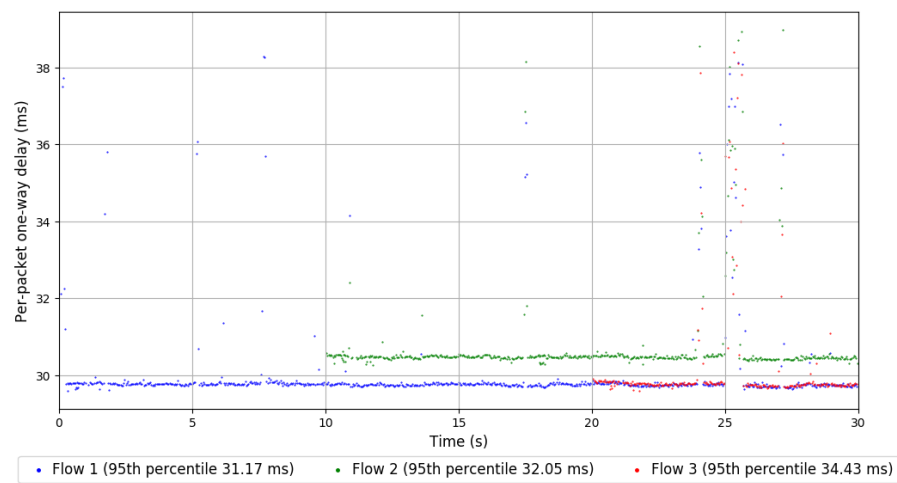
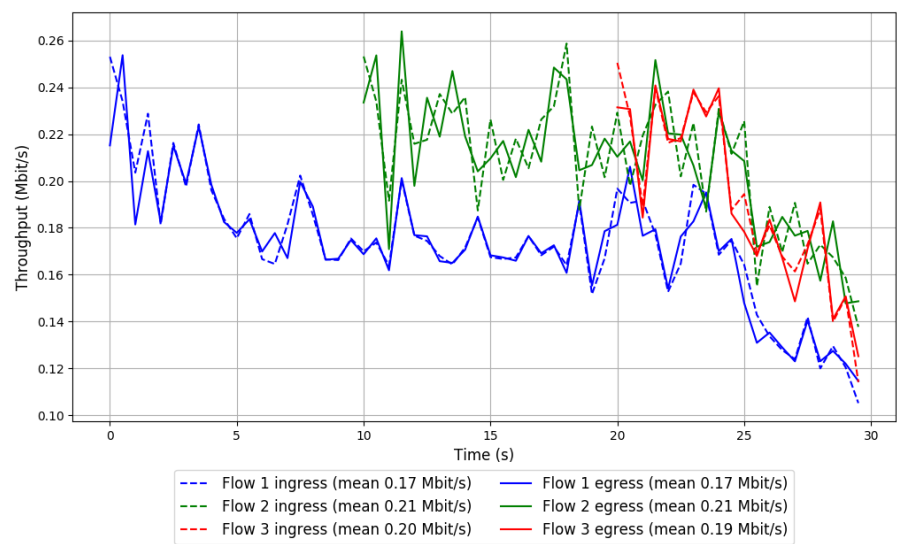
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 34.426 ms

Loss rate: 0.85%

Run 3: Report of SReAM — Data Link

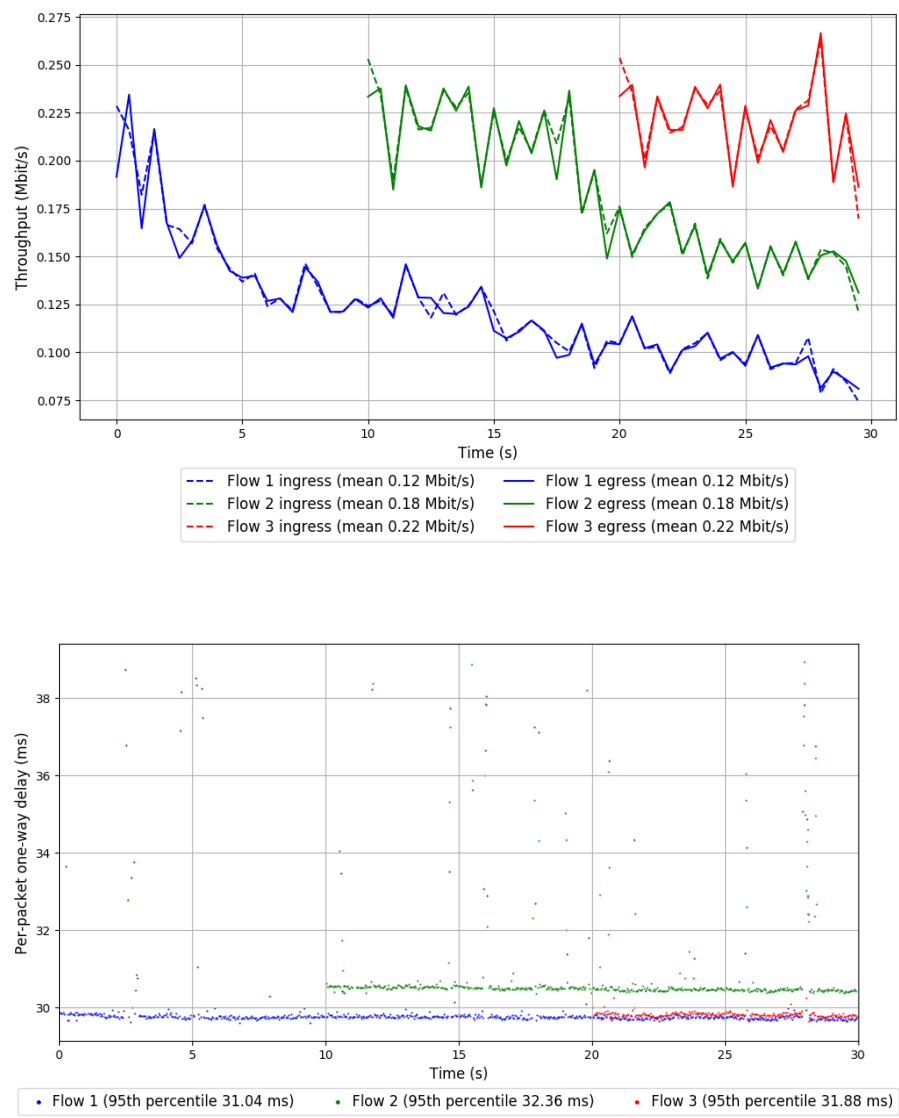


Run 4: Statistics of SCReAM

Start at: 2018-03-06 17:30:03
End at: 2018-03-06 17:30:33
Local clock offset: 0.372 ms
Remote clock offset: -0.704 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 31.793 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 31.037 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 32.364 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.880 ms
Loss rate: 0.00%

Run 4: Report of SCRaM — Data Link

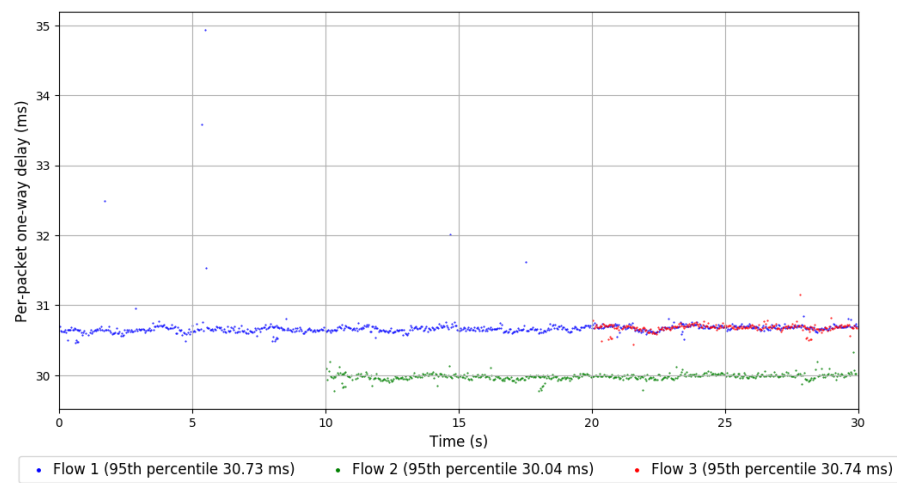
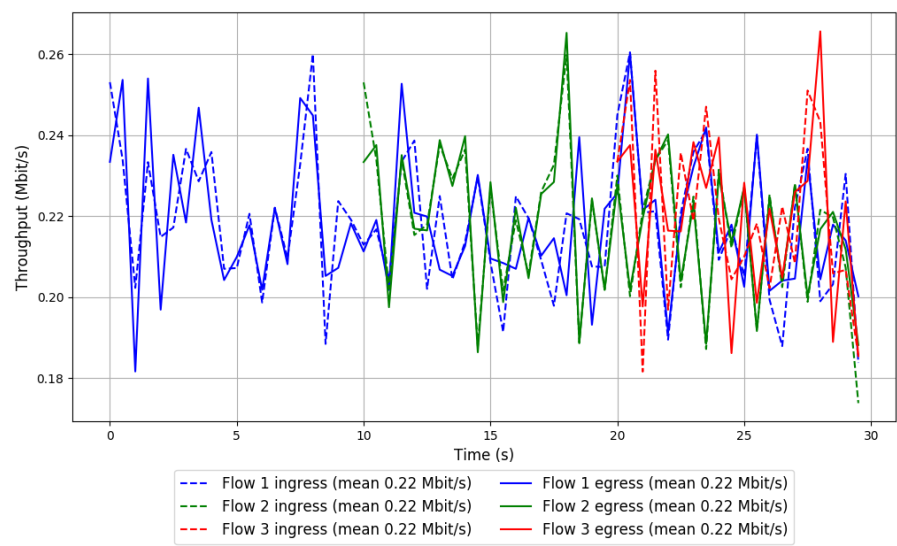


Run 5: Statistics of SReAM

Start at: 2018-03-06 17:56:15
End at: 2018-03-06 17:56:45
Local clock offset: -0.061 ms
Remote clock offset: -3.111 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.041 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.739 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-03-06 18:22:27

End at: 2018-03-06 18:22:57

Local clock offset: 0.647 ms

Remote clock offset: -4.88 ms

Below is generated by plot.py at 2018-03-06 20:56:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 28.379 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 27.744 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.405 ms

Loss rate: 0.19%

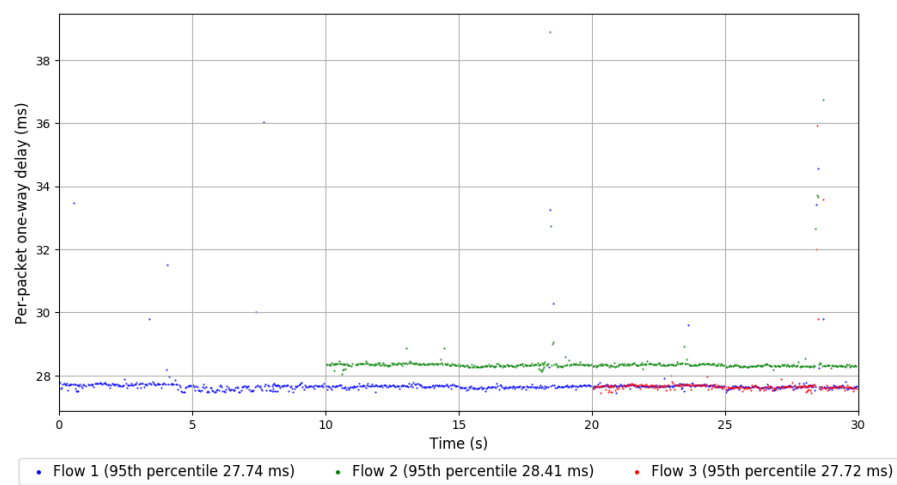
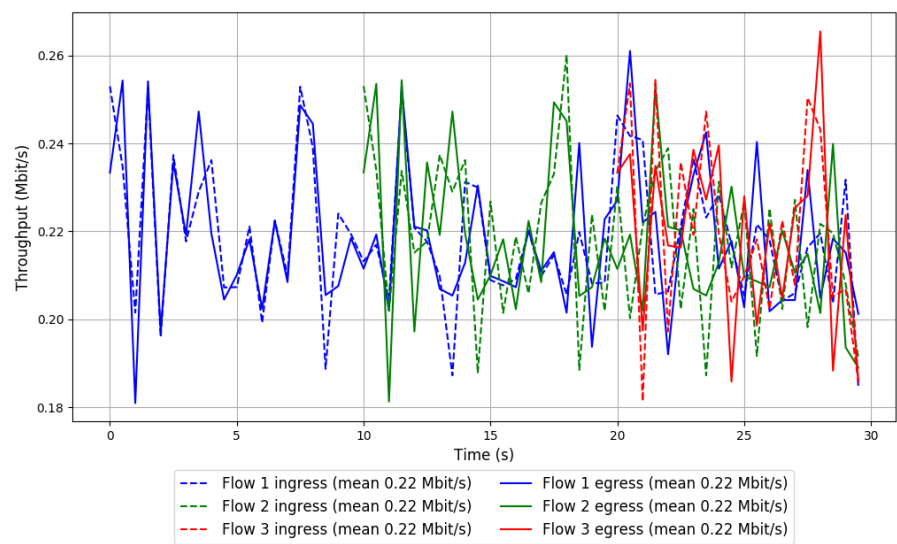
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 27.718 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

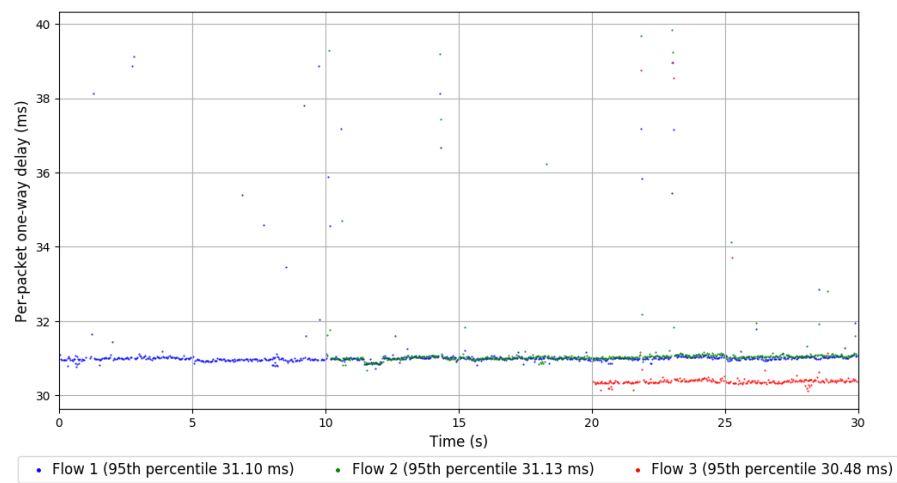
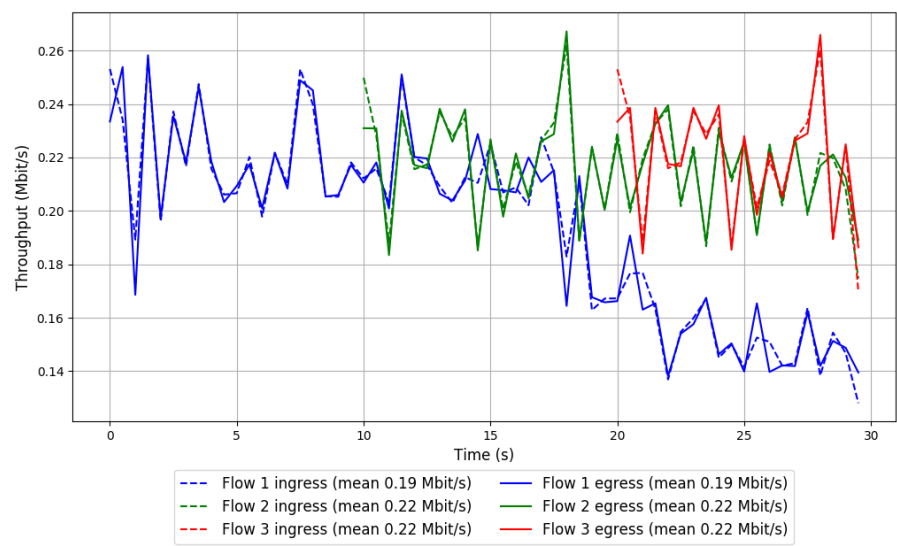


Run 7: Statistics of SReAM

Start at: 2018-03-06 18:48:41
End at: 2018-03-06 18:49:11
Local clock offset: 0.835 ms
Remote clock offset: -2.016 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 31.113 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 31.096 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.477 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

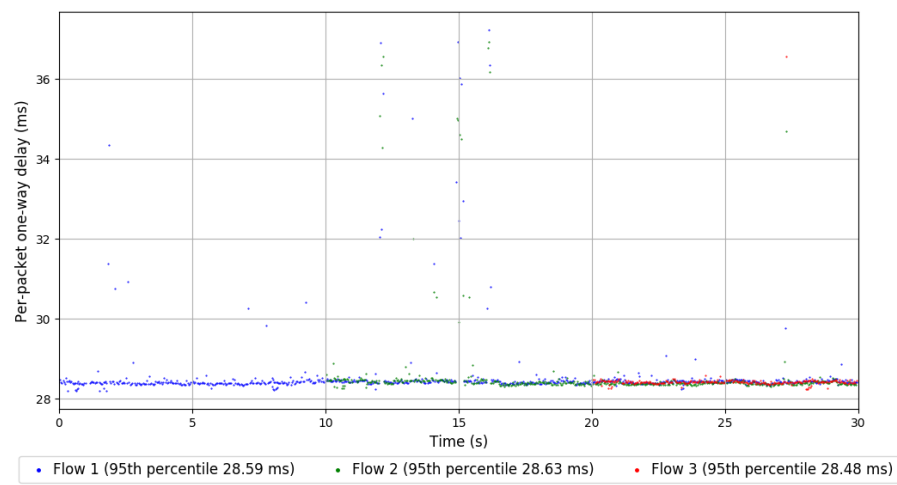
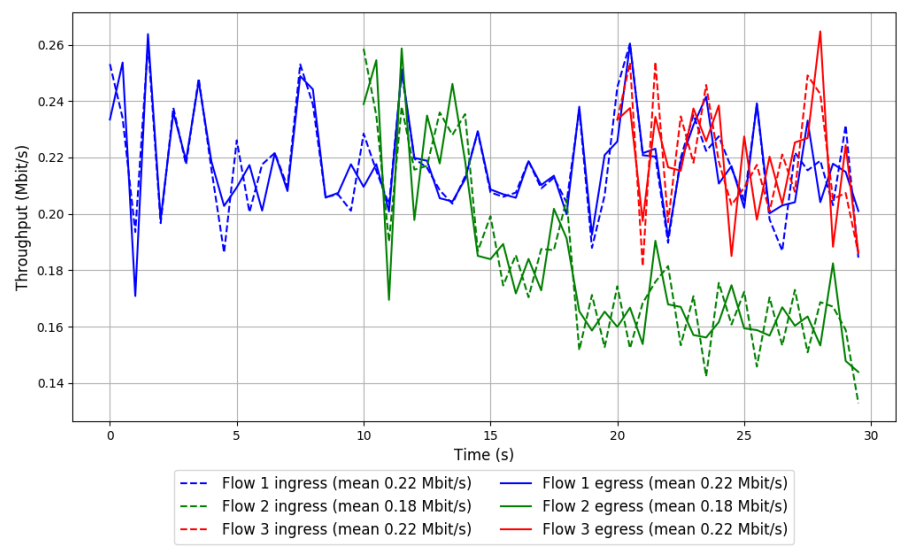


Run 8: Statistics of SCReAM

Start at: 2018-03-06 19:15:33
End at: 2018-03-06 19:16:03
Local clock offset: 1.067 ms
Remote clock offset: -7.813 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 28.564 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.589 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 28.630 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.475 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

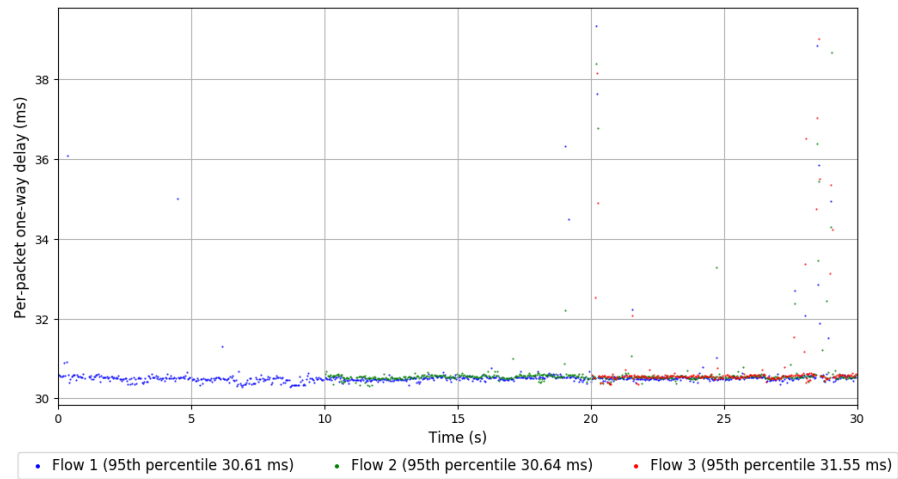
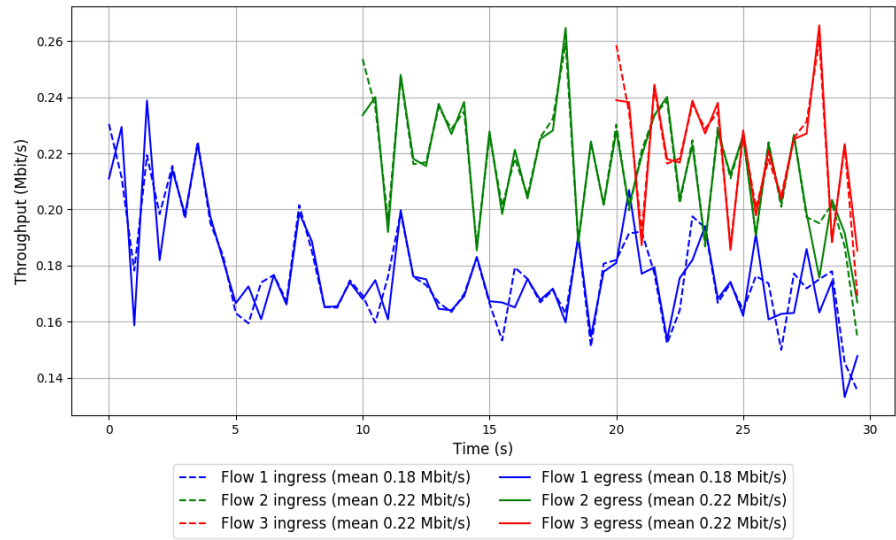


Run 9: Statistics of SReAM

Start at: 2018-03-06 19:44:33
End at: 2018-03-06 19:45:03
Local clock offset: 0.711 ms
Remote clock offset: -5.396 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 30.639 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 30.608 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.641 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.550 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

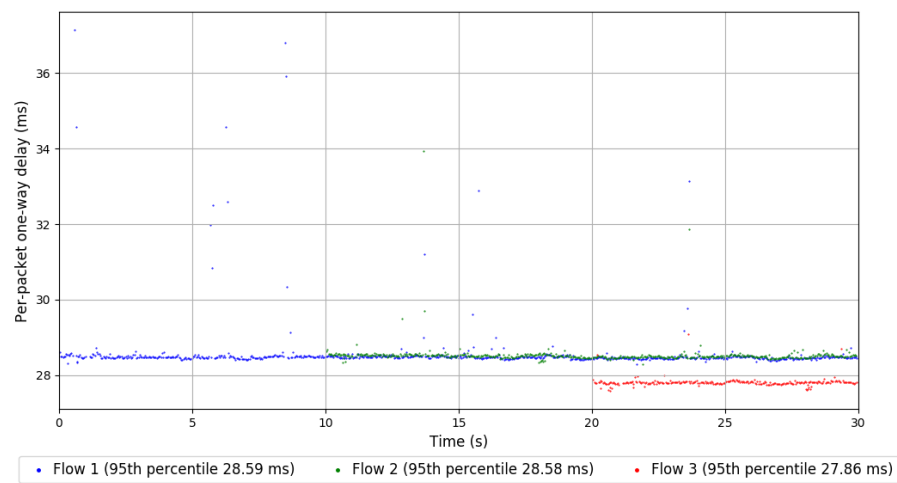
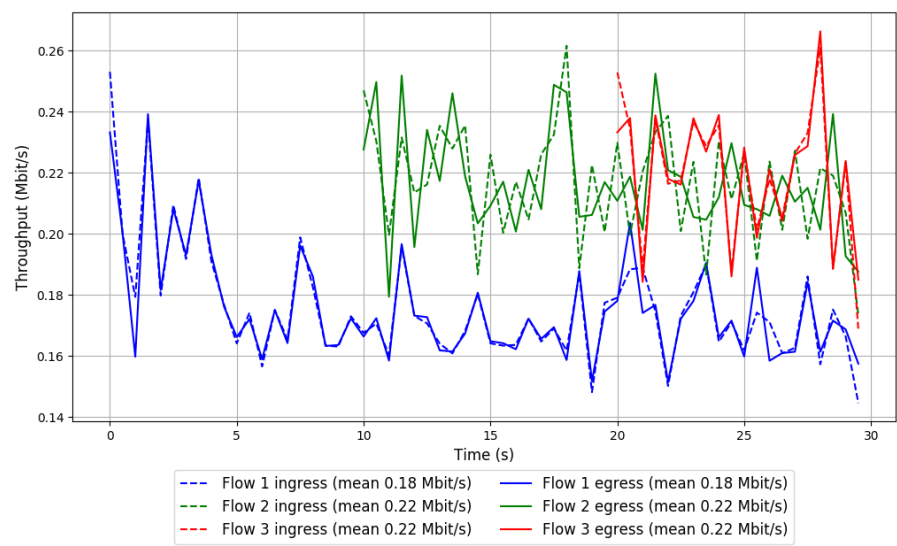


Run 10: Statistics of SReAM

Start at: 2018-03-06 20:11:10
End at: 2018-03-06 20:11:40
Local clock offset: 1.142 ms
Remote clock offset: -6.847 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 28.569 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 28.592 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.861 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

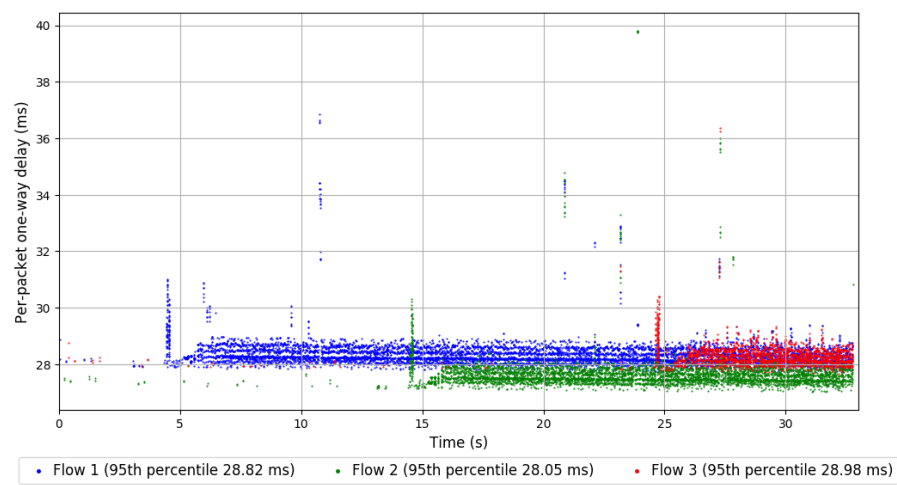
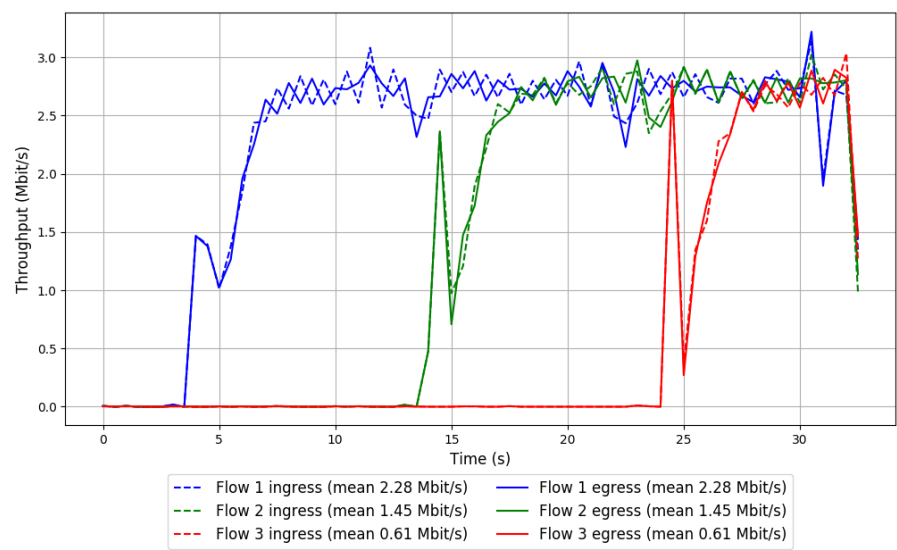


Run 1: Statistics of WebRTC media

Start at: 2018-03-06 16:09:09
End at: 2018-03-06 16:09:39
Local clock offset: 0.836 ms
Remote clock offset: -5.126 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 28.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 28.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 28.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 28.976 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-03-06 16:35:09

End at: 2018-03-06 16:35:39

Local clock offset: 0.788 ms

Remote clock offset: 0.895 ms

Below is generated by plot.py at 2018-03-06 20:56:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 31.340 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 31.340 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 31.361 ms

Loss rate: 0.05%

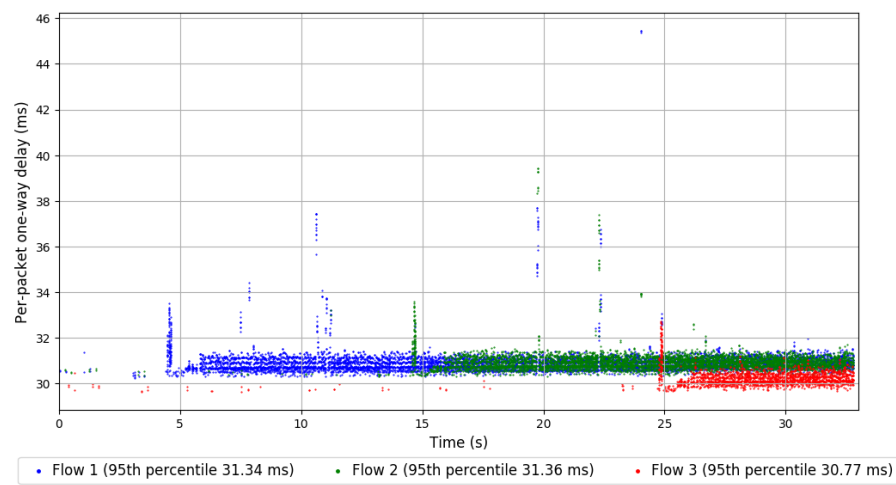
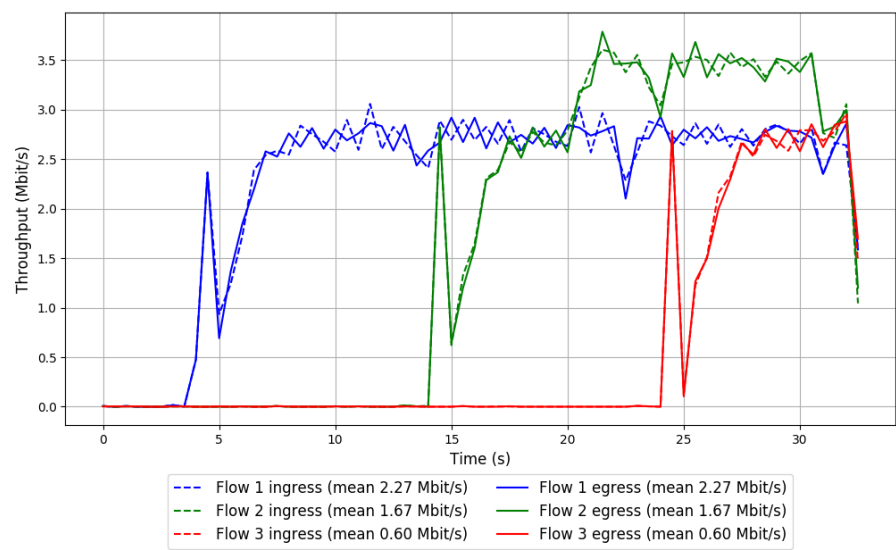
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 30.774 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

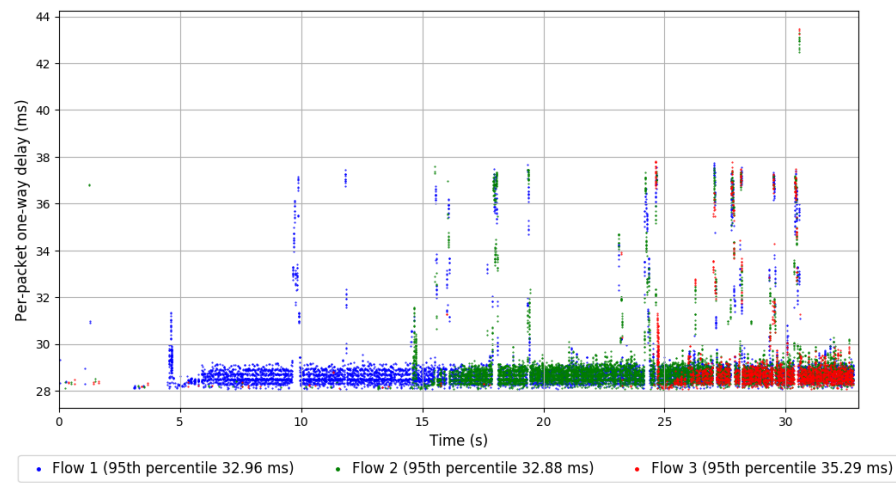
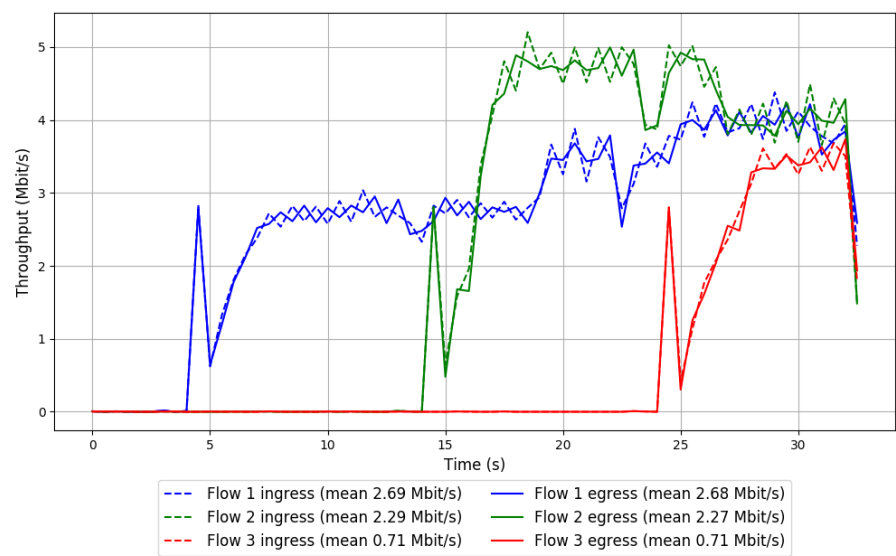


Run 3: Statistics of WebRTC media

Start at: 2018-03-06 17:00:42
End at: 2018-03-06 17:01:12
Local clock offset: 0.774 ms
Remote clock offset: -2.073 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 33.116 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 32.960 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 32.880 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 35.287 ms
Loss rate: 0.37%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-06 17:27:18

End at: 2018-03-06 17:27:48

Local clock offset: 0.422 ms

Remote clock offset: -2.9 ms

Below is generated by plot.py at 2018-03-06 20:56:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.62 Mbit/s

95th percentile per-packet one-way delay: 28.933 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 28.978 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 28.882 ms

Loss rate: 0.00%

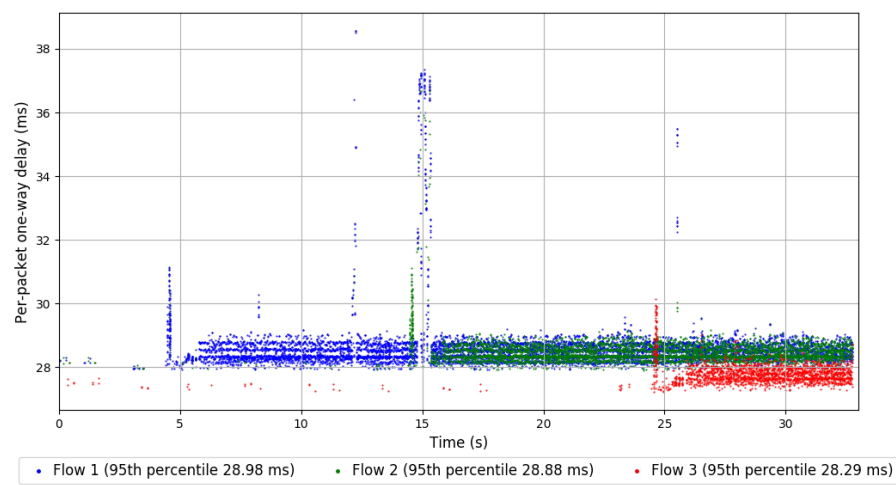
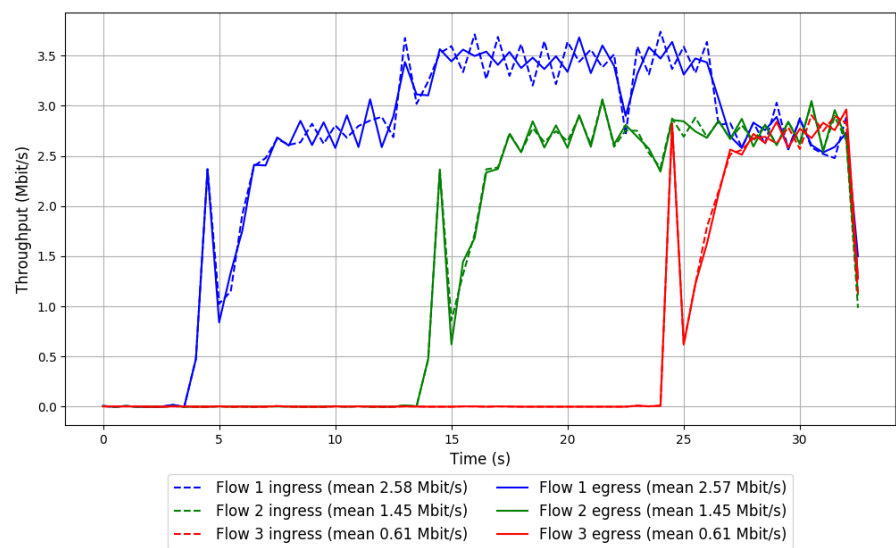
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 28.286 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

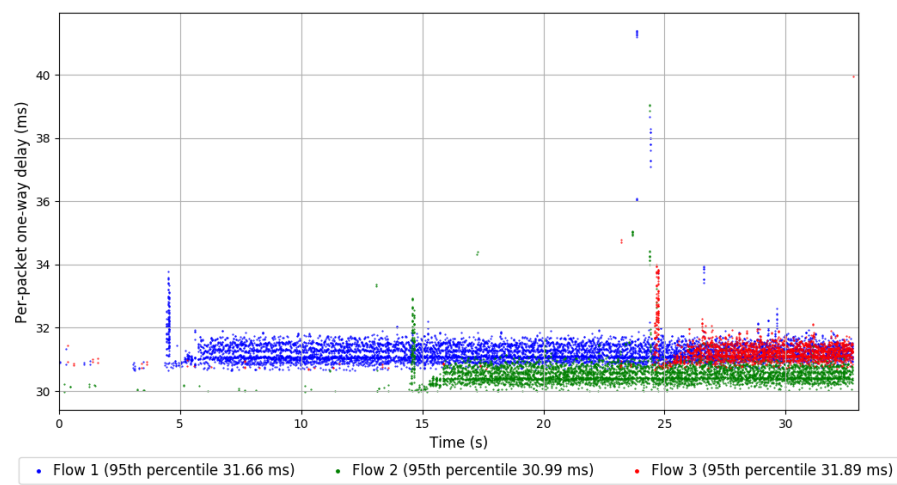
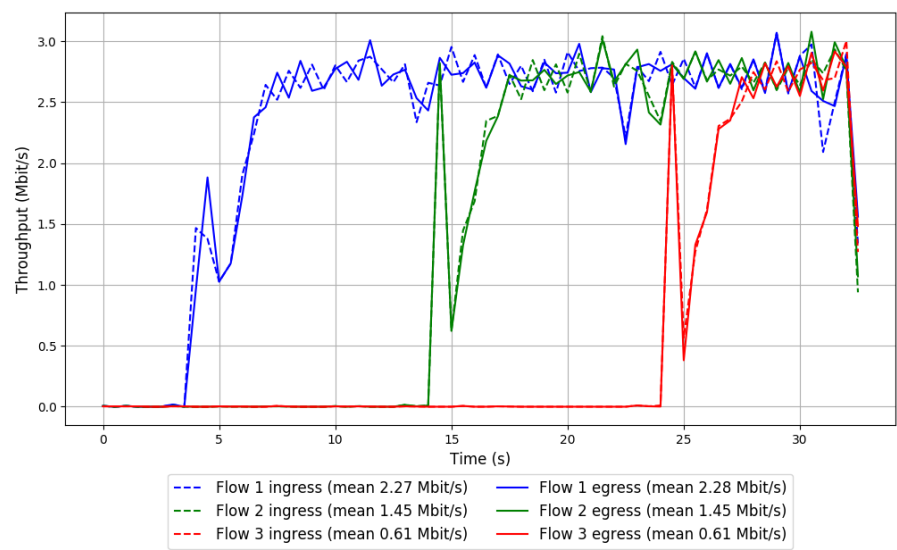


Run 5: Statistics of WebRTC media

Start at: 2018-03-06 17:53:32
End at: 2018-03-06 17:54:02
Local clock offset: -0.076 ms
Remote clock offset: -2.532 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 31.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 31.660 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 30.987 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 31.886 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

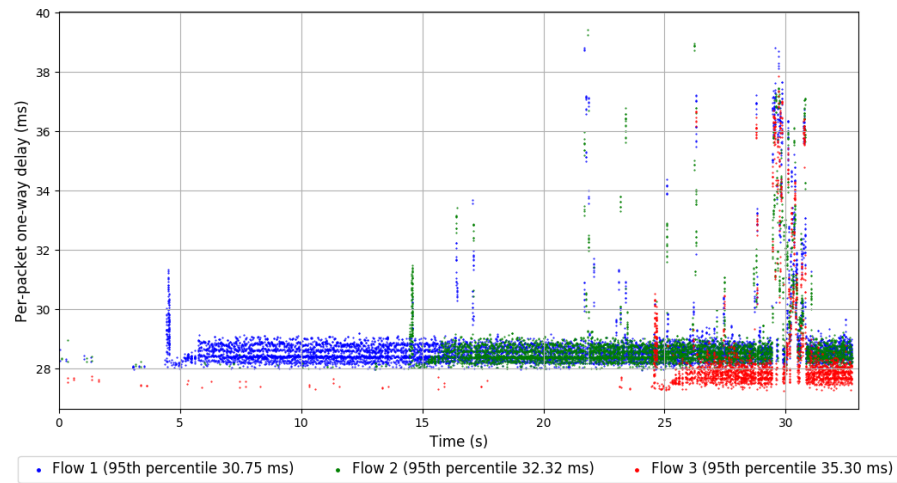
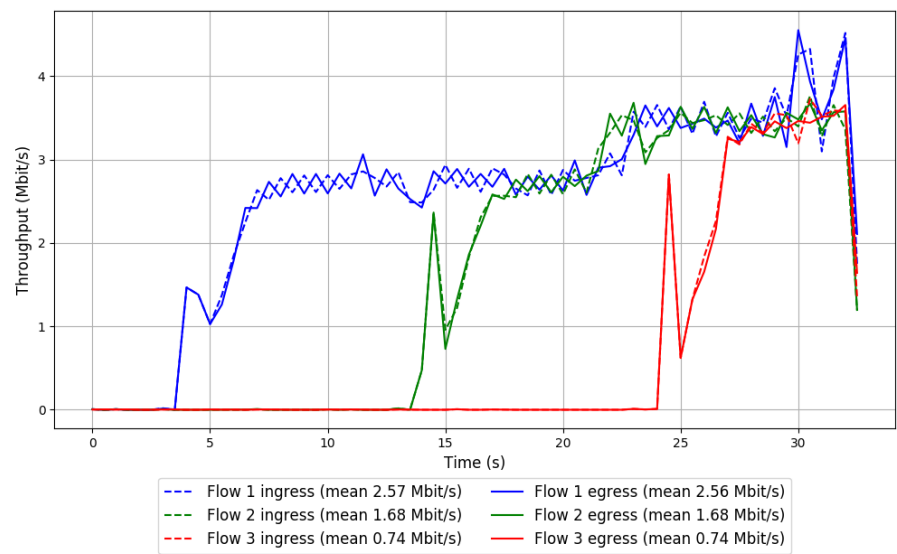


Run 6: Statistics of WebRTC media

Start at: 2018-03-06 18:19:45
End at: 2018-03-06 18:20:15
Local clock offset: 0.587 ms
Remote clock offset: -5.256 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 32.057 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 30.745 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 32.320 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 35.304 ms
Loss rate: 0.64%

Run 6: Report of WebRTC media — Data Link

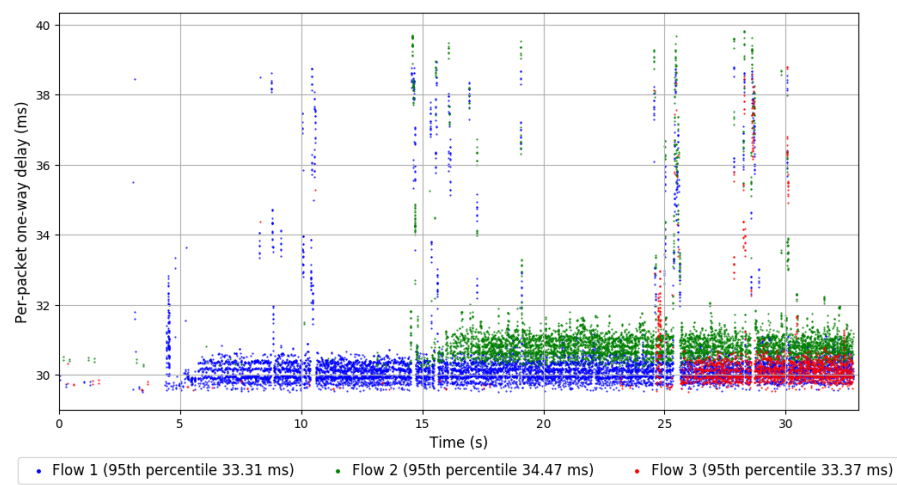
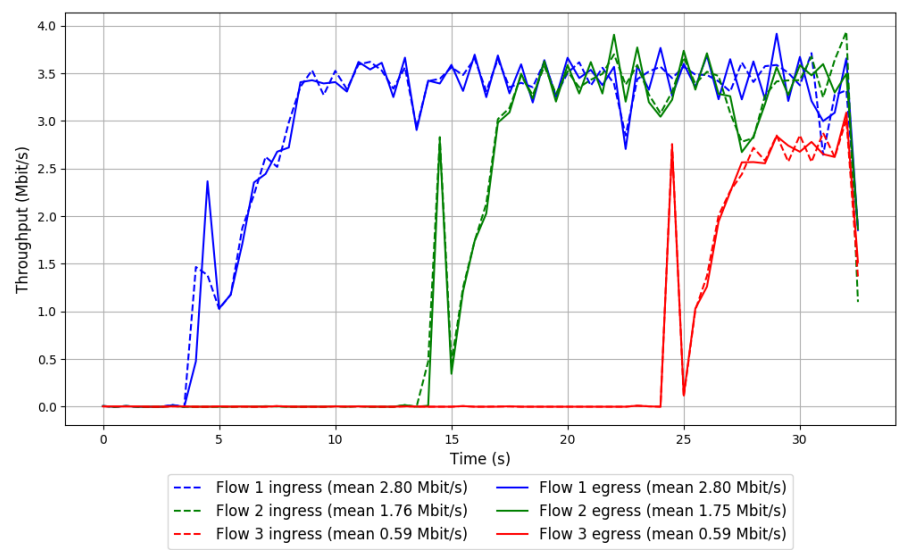


Run 7: Statistics of WebRTC media

Start at: 2018-03-06 18:45:58
End at: 2018-03-06 18:46:28
Local clock offset: 0.745 ms
Remote clock offset: -2.275 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.12 Mbit/s
95th percentile per-packet one-way delay: 33.694 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 33.310 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 34.474 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 33.372 ms
Loss rate: 0.10%

Run 7: Report of WebRTC media — Data Link

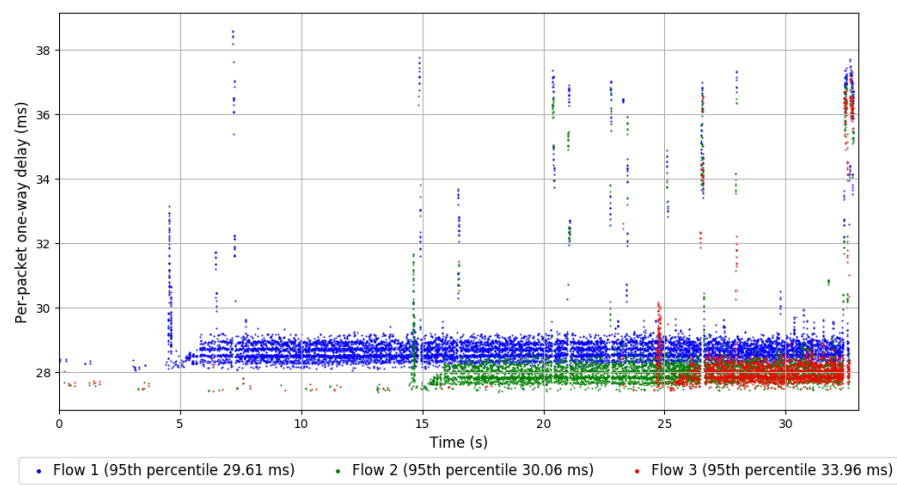
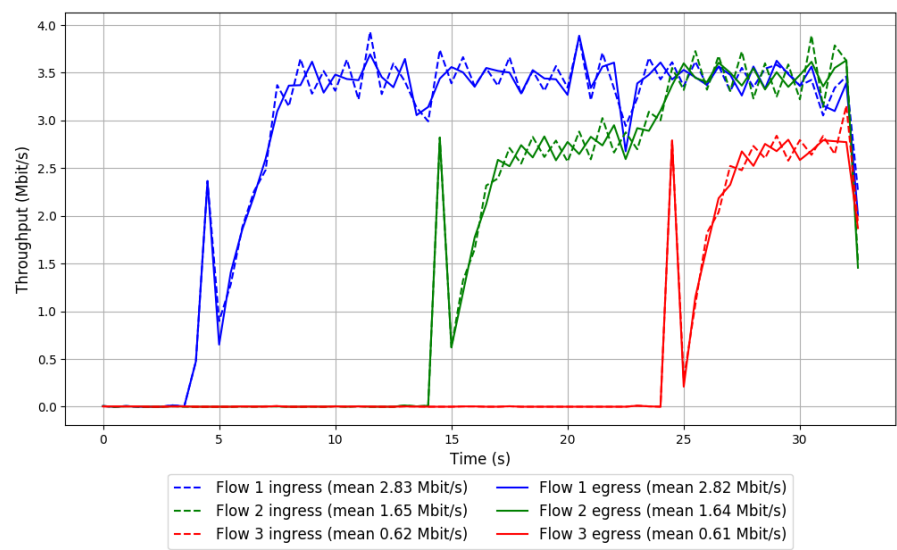


Run 8: Statistics of WebRTC media

Start at: 2018-03-06 19:12:46
End at: 2018-03-06 19:13:16
Local clock offset: 0.98 ms
Remote clock offset: -7.672 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 30.062 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 29.607 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 30.062 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 33.958 ms
Loss rate: 1.30%

Run 8: Report of WebRTC media — Data Link

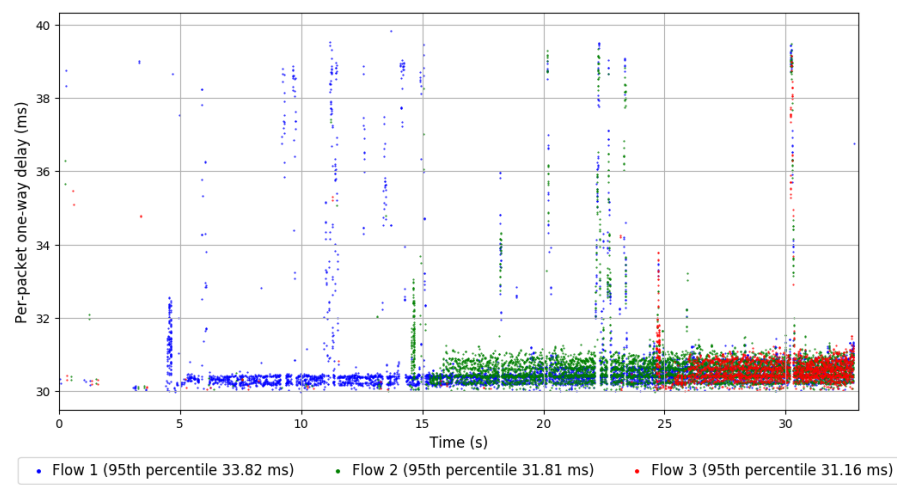
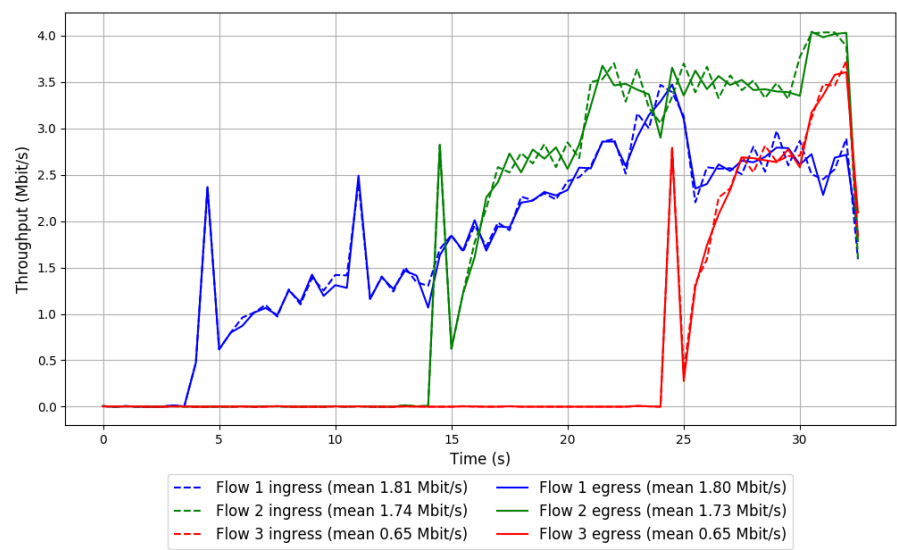


Run 9: Statistics of WebRTC media

Start at: 2018-03-06 19:41:48
End at: 2018-03-06 19:42:18
Local clock offset: 0.789 ms
Remote clock offset: -4.785 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 32.427 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 33.819 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 31.811 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 31.161 ms
Loss rate: 0.14%

Run 9: Report of WebRTC media — Data Link

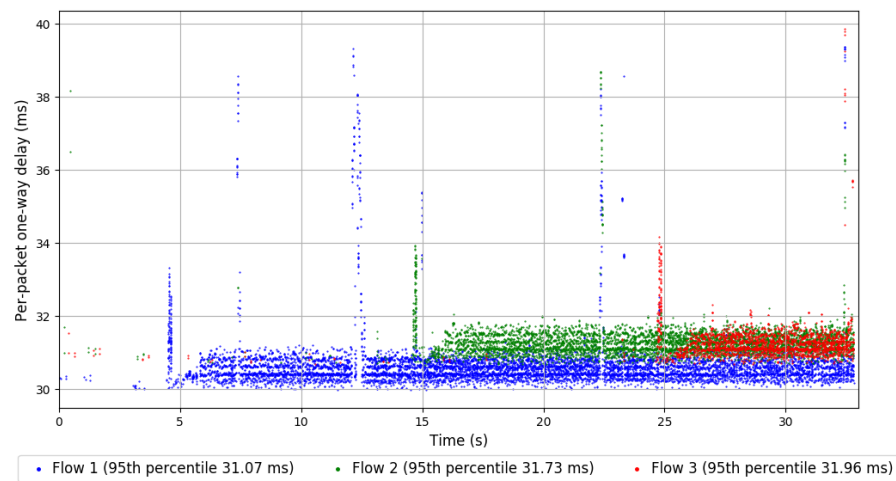
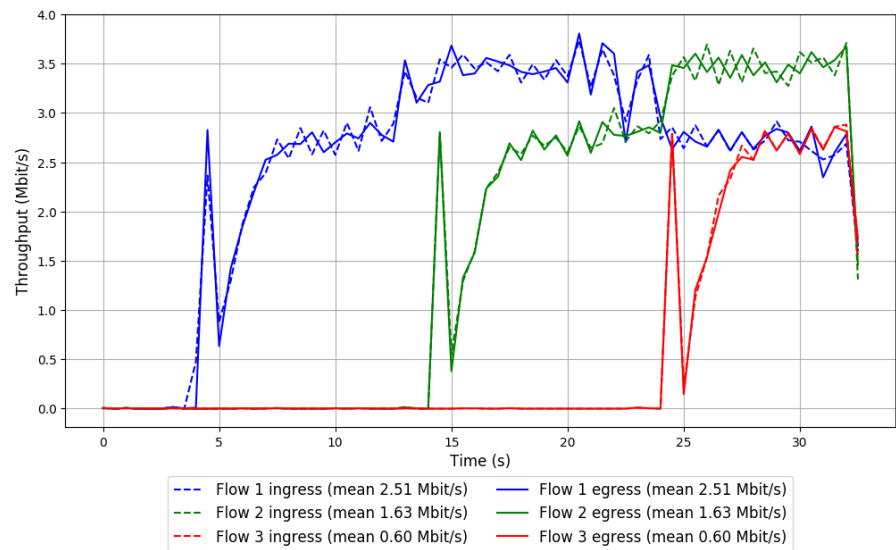


Run 10: Statistics of WebRTC media

Start at: 2018-03-06 20:08:20
End at: 2018-03-06 20:08:50
Local clock offset: 1.075 ms
Remote clock offset: -4.397 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 31.682 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 31.071 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 31.726 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 31.956 ms
Loss rate: 0.29%

Run 10: Report of WebRTC media — Data Link

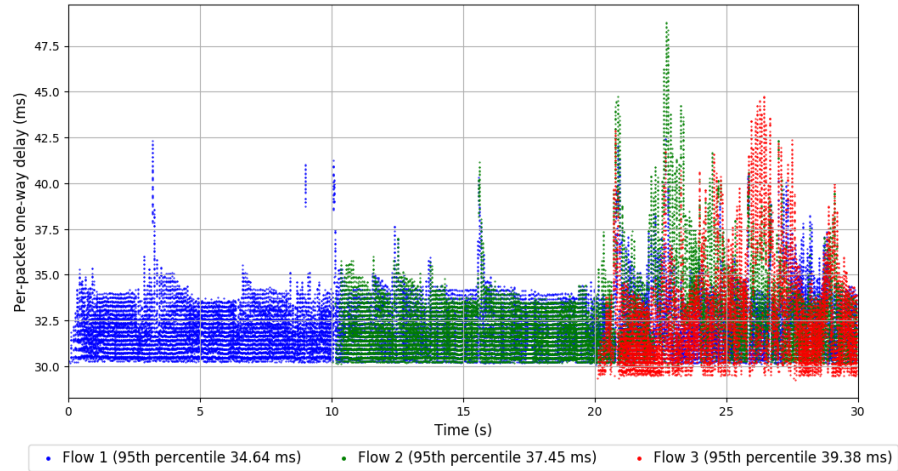
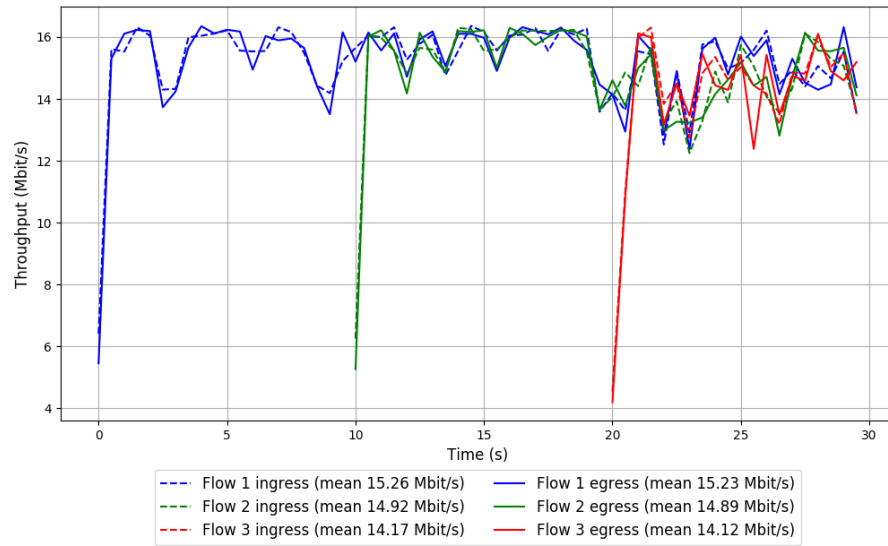


Run 1: Statistics of Sprout

Start at: 2018-03-06 16:15:58
End at: 2018-03-06 16:16:28
Local clock offset: 0.792 ms
Remote clock offset: -0.693 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 36.597 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 34.638 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 14.89 Mbit/s
95th percentile per-packet one-way delay: 37.450 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 14.12 Mbit/s
95th percentile per-packet one-way delay: 39.380 ms
Loss rate: 0.34%

Run 1: Report of Sprout — Data Link

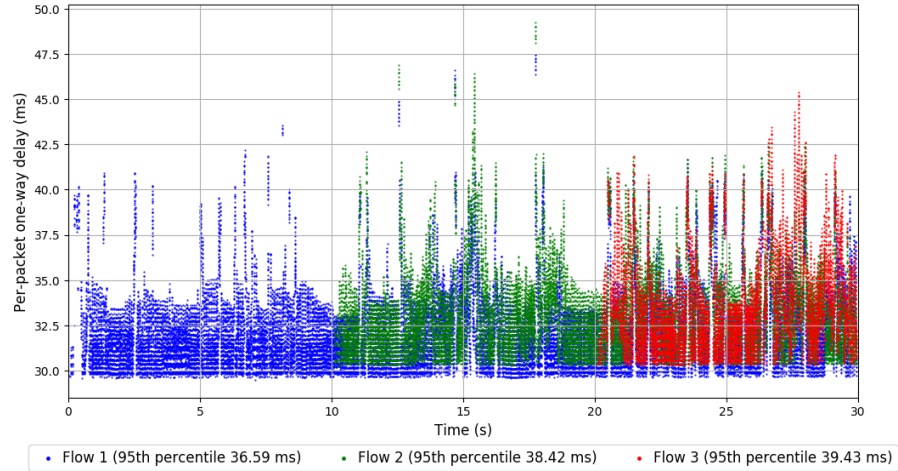
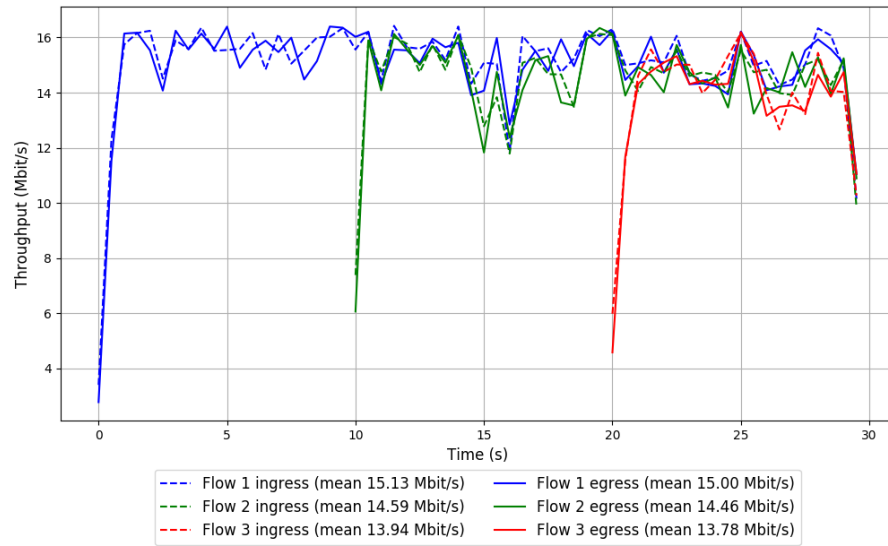


Run 2: Statistics of Sprout

Start at: 2018-03-06 16:41:55
End at: 2018-03-06 16:42:25
Local clock offset: 0.796 ms
Remote clock offset: -0.079 ms

```
# Below is generated by plot.py at 2018-03-06 20:56:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 38.030 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 36.594 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 38.422 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 39.429 ms
Loss rate: 1.17%
```


Run 2: Report of Sprout — Data Link

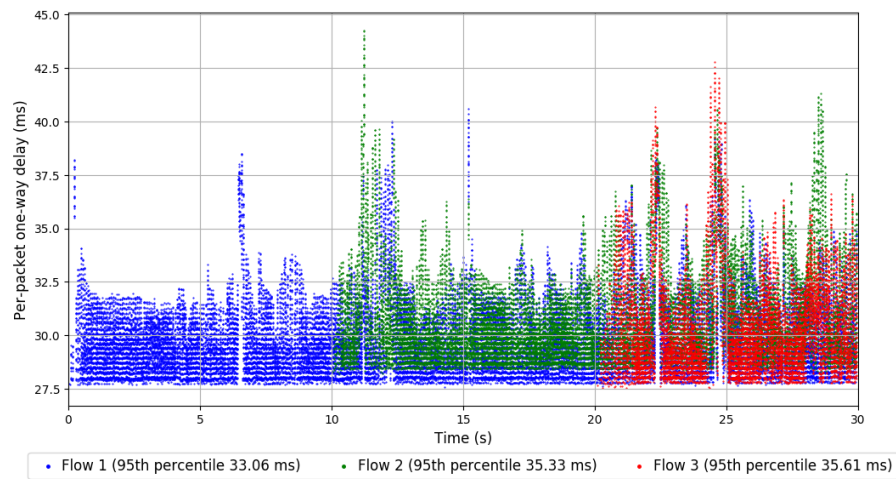
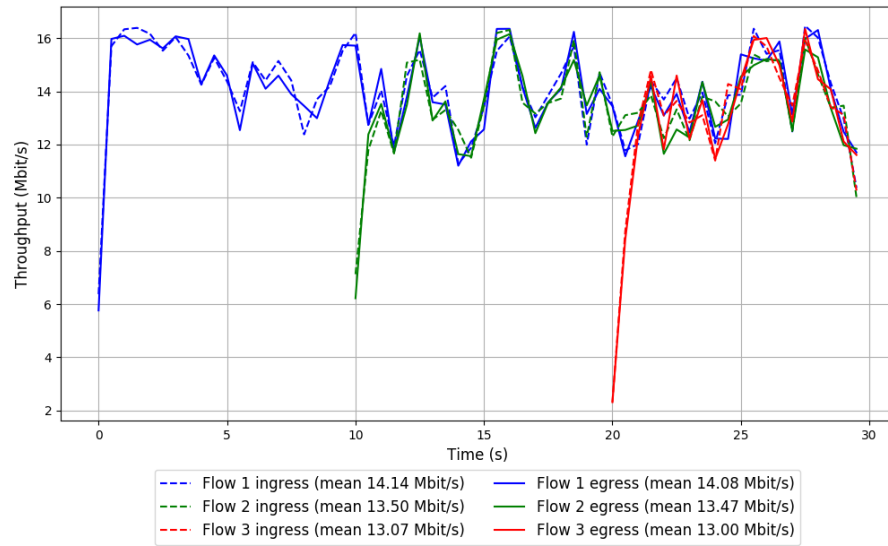


Run 3: Statistics of Sprout

Start at: 2018-03-06 17:07:37
End at: 2018-03-06 17:08:07
Local clock offset: 0.587 ms
Remote clock offset: -2.151 ms

```
# Below is generated by plot.py at 2018-03-06 20:56:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.33 Mbit/s
95th percentile per-packet one-way delay: 34.525 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 33.057 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 35.326 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 35.610 ms
Loss rate: 0.50%
```

Run 3: Report of Sprout — Data Link

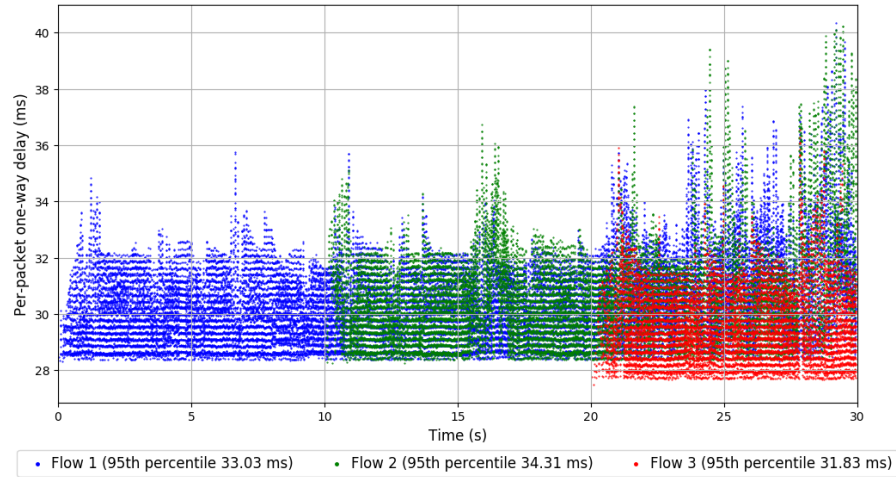
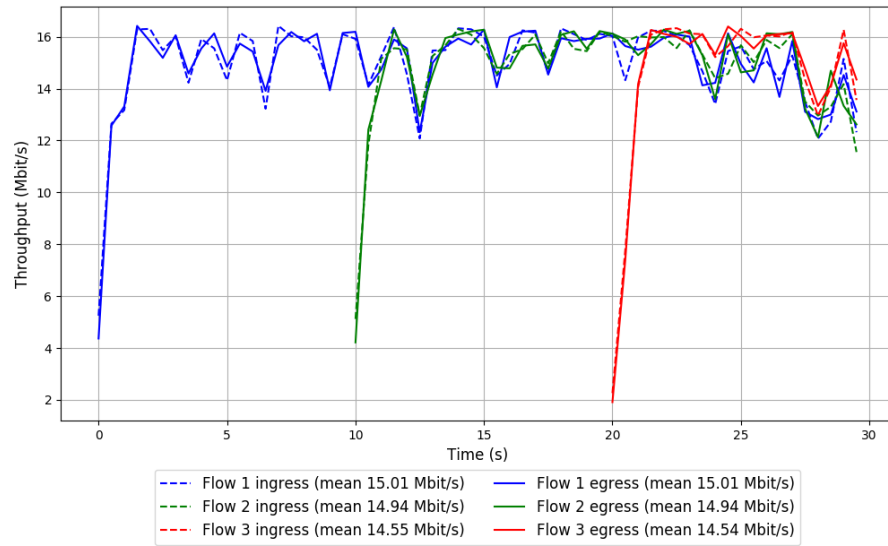


Run 4: Statistics of Sprout

Start at: 2018-03-06 17:34:18
End at: 2018-03-06 17:34:48
Local clock offset: 0.275 ms
Remote clock offset: -2.824 ms

```
# Below is generated by plot.py at 2018-03-06 20:56:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 33.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.01 Mbit/s
95th percentile per-packet one-way delay: 33.026 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 34.312 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.54 Mbit/s
95th percentile per-packet one-way delay: 31.834 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

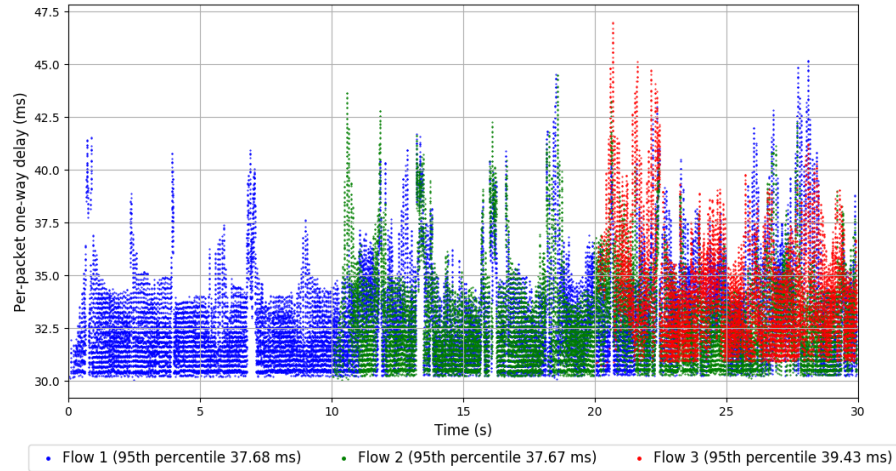
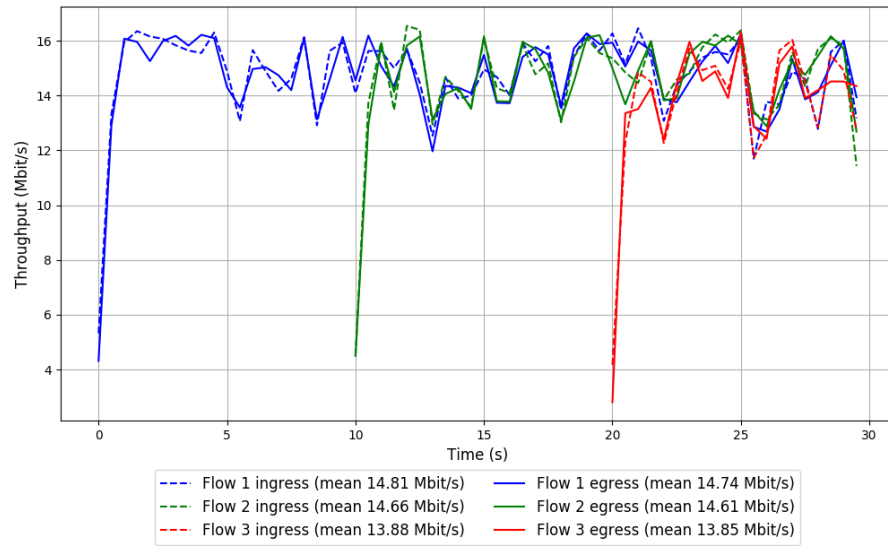


Run 5: Statistics of Sprout

Start at: 2018-03-06 18:00:26
End at: 2018-03-06 18:00:56
Local clock offset: -0.172 ms
Remote clock offset: -3.162 ms

Below is generated by plot.py at 2018-03-06 20:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 38.076 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 37.679 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 37.675 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 39.427 ms
Loss rate: 0.17%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-03-06 18:26:39

End at: 2018-03-06 18:27:09

Local clock offset: 0.74 ms

Remote clock offset: -2.42 ms

Below is generated by plot.py at 2018-03-06 20:56:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.10 Mbit/s

95th percentile per-packet one-way delay: 34.724 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 15.29 Mbit/s

95th percentile per-packet one-way delay: 34.455 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 15.14 Mbit/s

95th percentile per-packet one-way delay: 34.115 ms

Loss rate: 0.05%

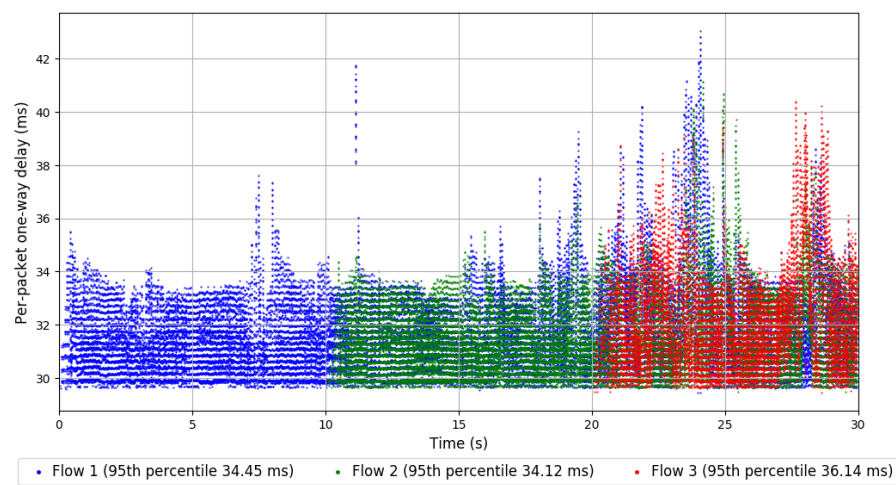
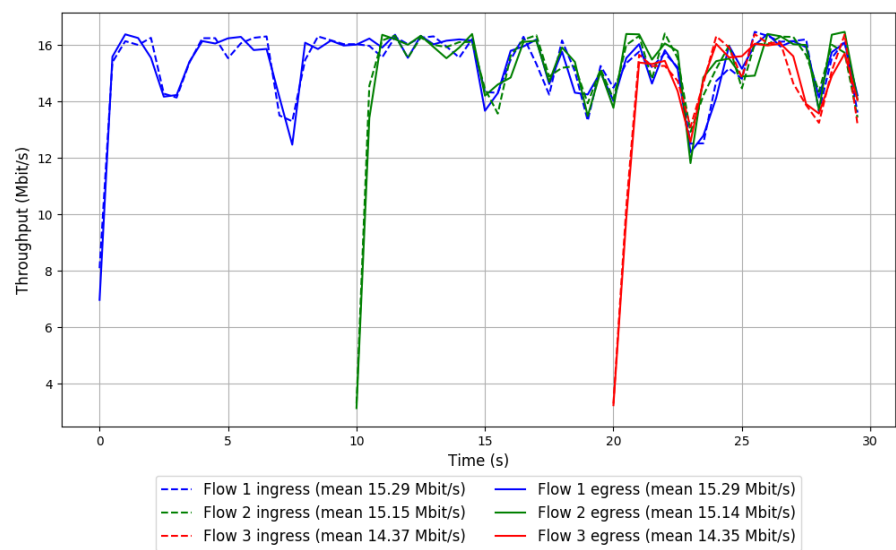
-- Flow 3:

Average throughput: 14.35 Mbit/s

95th percentile per-packet one-way delay: 36.138 ms

Loss rate: 0.09%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-03-06 18:52:56

End at: 2018-03-06 18:53:26

Local clock offset: 0.767 ms

Remote clock offset: -5.29 ms

Below is generated by plot.py at 2018-03-06 20:56:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 35.241 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 14.49 Mbit/s

95th percentile per-packet one-way delay: 34.050 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 14.21 Mbit/s

95th percentile per-packet one-way delay: 35.684 ms

Loss rate: 0.17%

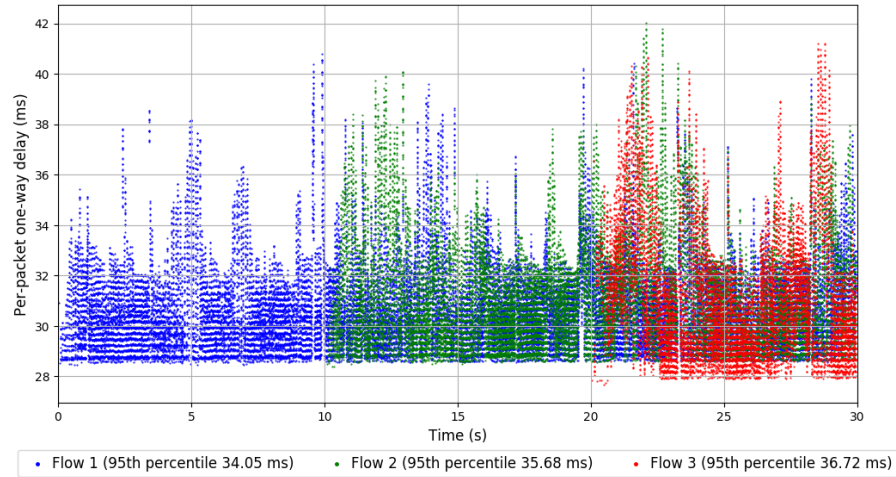
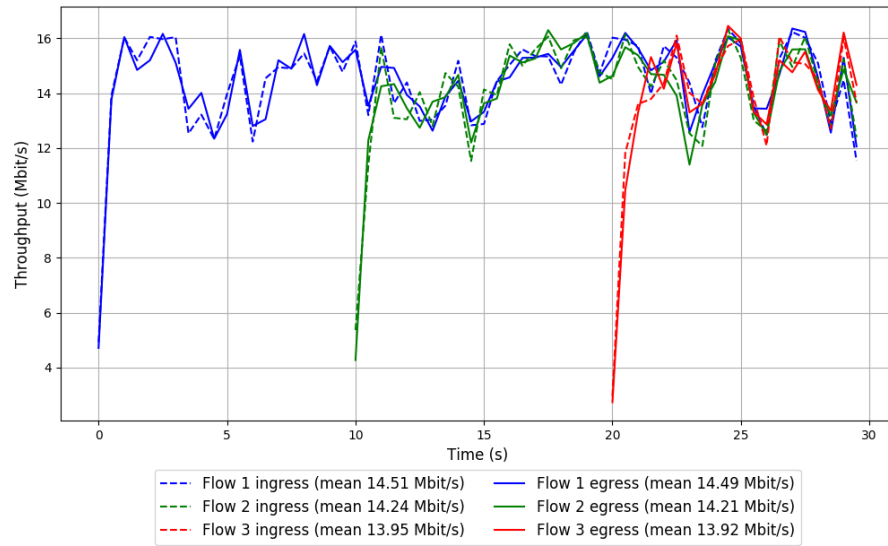
-- Flow 3:

Average throughput: 13.92 Mbit/s

95th percentile per-packet one-way delay: 36.721 ms

Loss rate: 0.15%

Run 7: Report of Sprout — Data Link

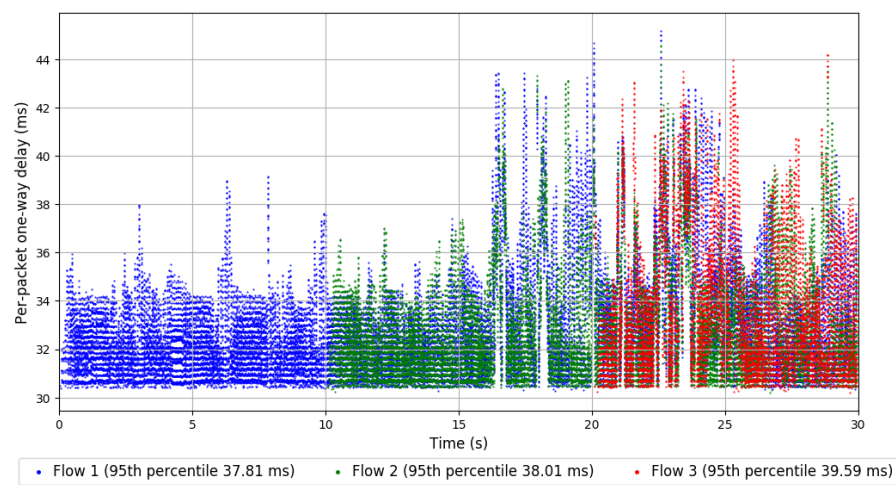
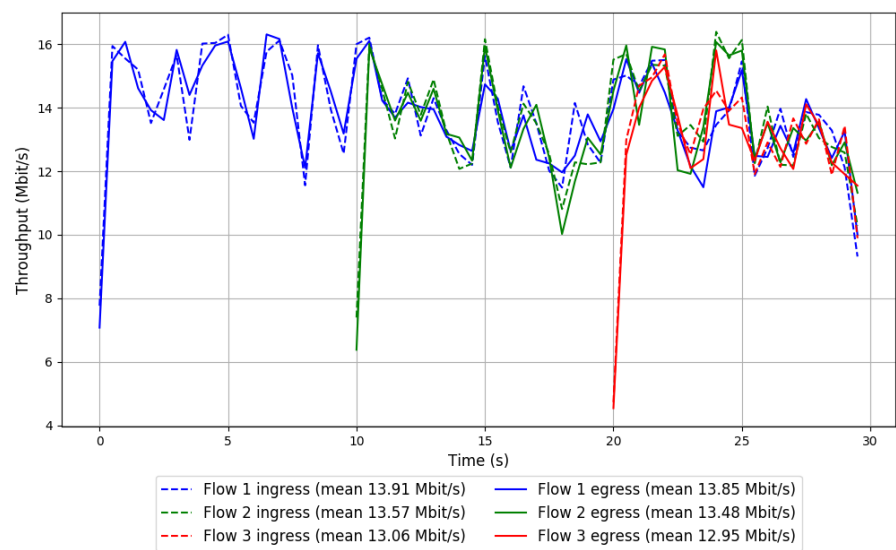


Run 8: Statistics of Sprout

Start at: 2018-03-06 19:19:53
End at: 2018-03-06 19:20:23
Local clock offset: 1.0 ms
Remote clock offset: -5.984 ms

Below is generated by plot.py at 2018-03-06 20:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.07 Mbit/s
95th percentile per-packet one-way delay: 38.370 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 37.813 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 38.009 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 39.585 ms
Loss rate: 0.81%

Run 8: Report of Sprout — Data Link

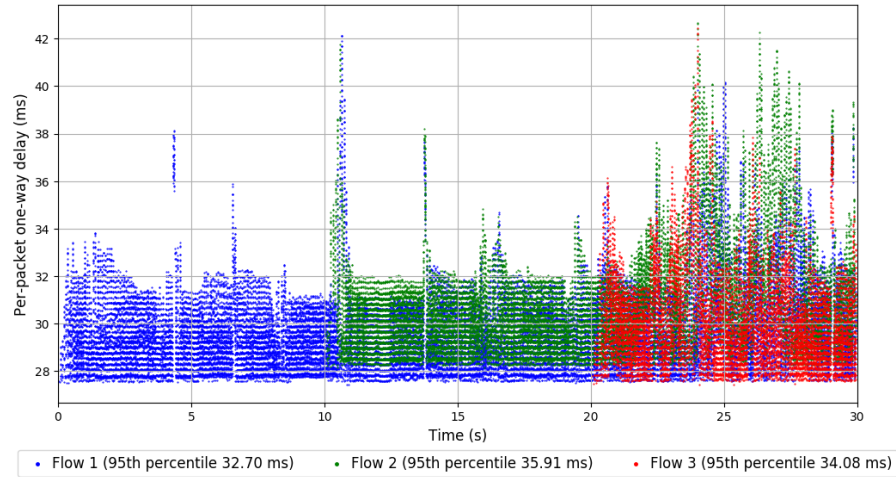
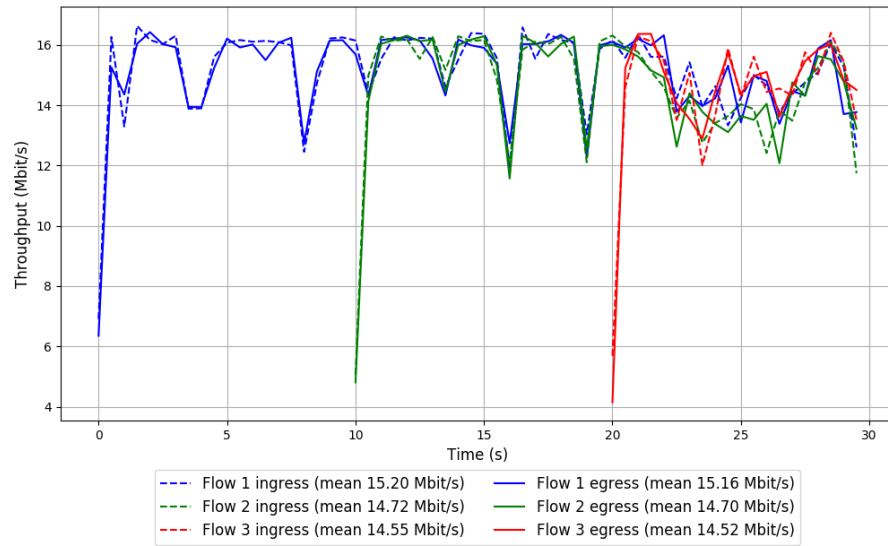


Run 9: Statistics of Sprout

Start at: 2018-03-06 19:48:47
End at: 2018-03-06 19:49:17
Local clock offset: 0.792 ms
Remote clock offset: -7.56 ms

```
# Below is generated by plot.py at 2018-03-06 20:56:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 34.164 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 32.696 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 14.70 Mbit/s
95th percentile per-packet one-way delay: 35.909 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 34.084 ms
Loss rate: 0.12%
```

Run 9: Report of Sprout — Data Link

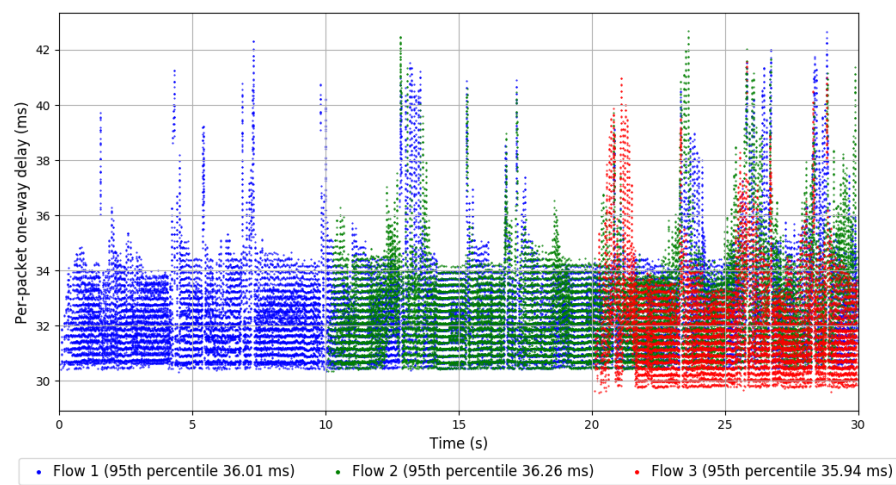
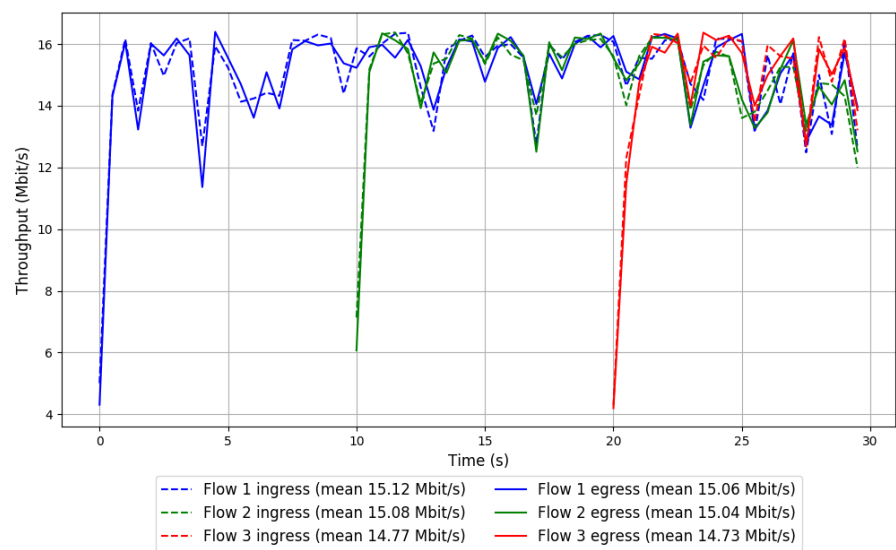


Run 10: Statistics of Sprout

Start at: 2018-03-06 20:15:25
End at: 2018-03-06 20:15:55
Local clock offset: 1.226 ms
Remote clock offset: -4.727 ms

Below is generated by plot.py at 2018-03-06 20:57:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 36.107 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 36.011 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 36.260 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 35.938 ms
Loss rate: 0.29%

Run 10: Report of Sprout — Data Link

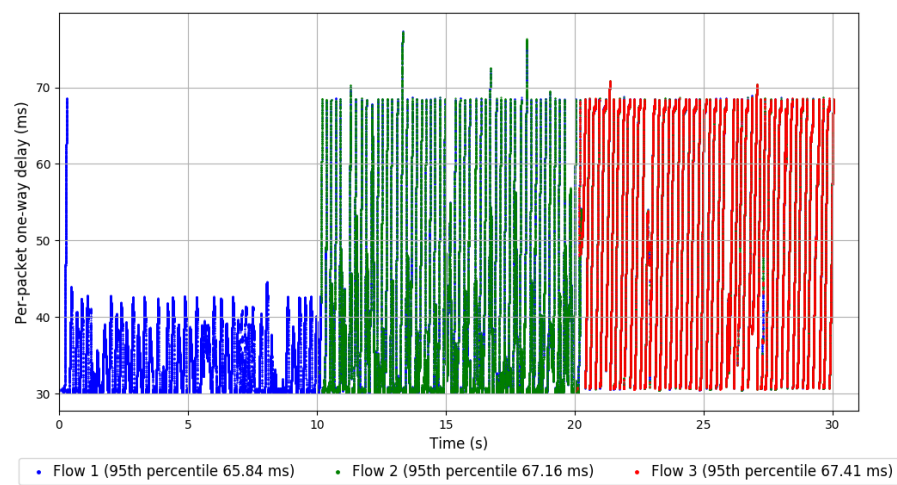
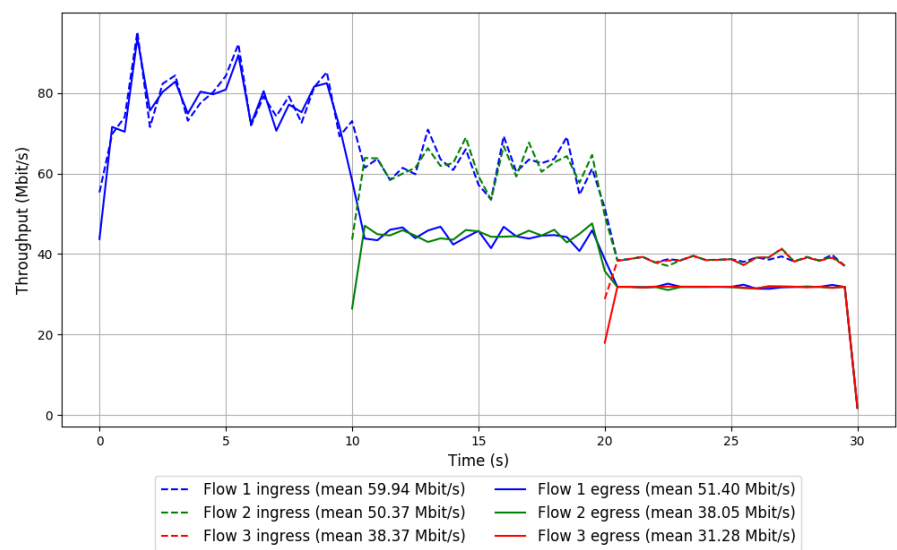


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-06 16:17:17
End at: 2018-03-06 16:17:47
Local clock offset: 0.71 ms
Remote clock offset: 0.208 ms

# Below is generated by plot.py at 2018-03-06 20:59:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 67.065 ms
Loss rate: 17.87%
-- Flow 1:
Average throughput: 51.40 Mbit/s
95th percentile per-packet one-way delay: 65.839 ms
Loss rate: 14.16%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 67.160 ms
Loss rate: 24.35%
-- Flow 3:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 67.407 ms
Loss rate: 18.23%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-03-06 16:43:16

End at: 2018-03-06 16:43:46

Local clock offset: 0.7 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-03-06 20:59:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.37 Mbit/s

95th percentile per-packet one-way delay: 67.448 ms

Loss rate: 18.03%

-- Flow 1:

Average throughput: 52.74 Mbit/s

95th percentile per-packet one-way delay: 66.607 ms

Loss rate: 14.07%

-- Flow 2:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 68.257 ms

Loss rate: 25.05%

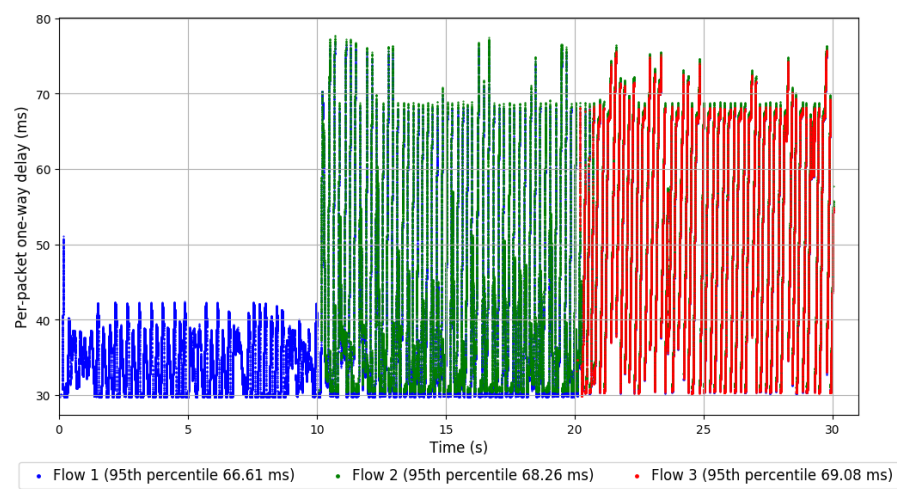
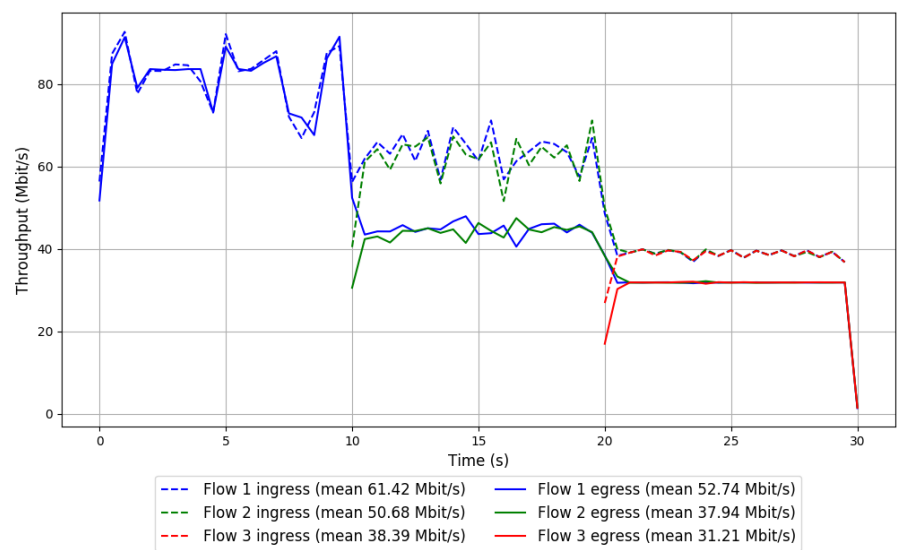
-- Flow 3:

Average throughput: 31.21 Mbit/s

95th percentile per-packet one-way delay: 69.081 ms

Loss rate: 18.52%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-03-06 17:09:01

End at: 2018-03-06 17:09:31

Local clock offset: 0.705 ms

Remote clock offset: 0.341 ms

Below is generated by plot.py at 2018-03-06 20:59:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.79 Mbit/s

95th percentile per-packet one-way delay: 66.270 ms

Loss rate: 18.17%

-- Flow 1:

Average throughput: 52.84 Mbit/s

95th percentile per-packet one-way delay: 62.773 ms

Loss rate: 14.27%

-- Flow 2:

Average throughput: 35.43 Mbit/s

95th percentile per-packet one-way delay: 67.720 ms

Loss rate: 24.30%

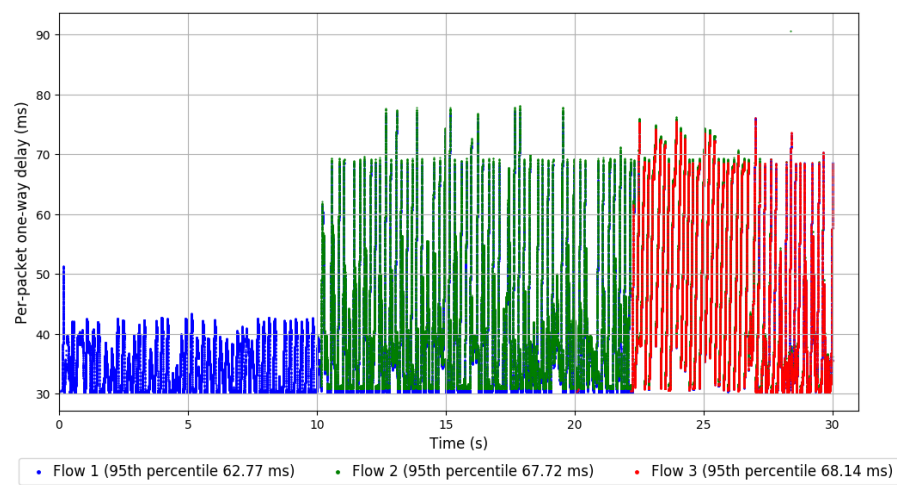
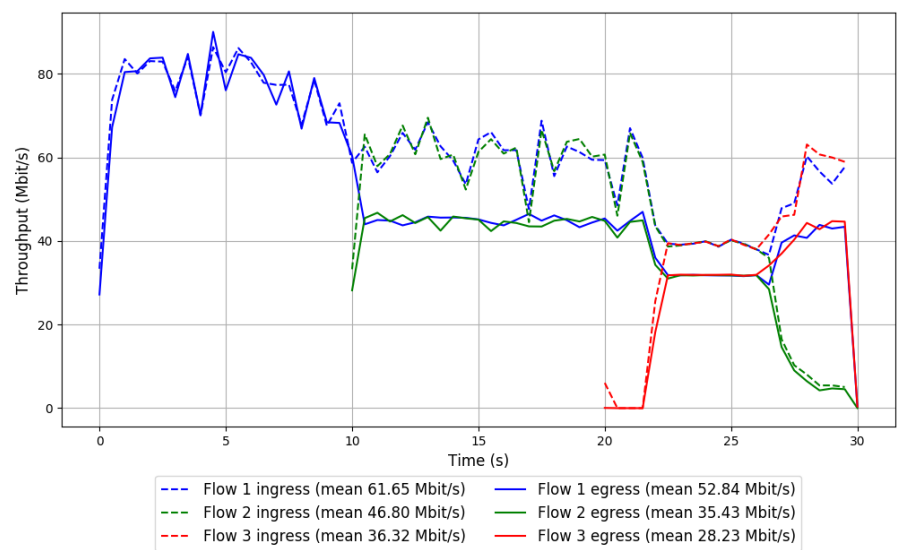
-- Flow 3:

Average throughput: 28.23 Mbit/s

95th percentile per-packet one-way delay: 68.135 ms

Loss rate: 22.23%

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

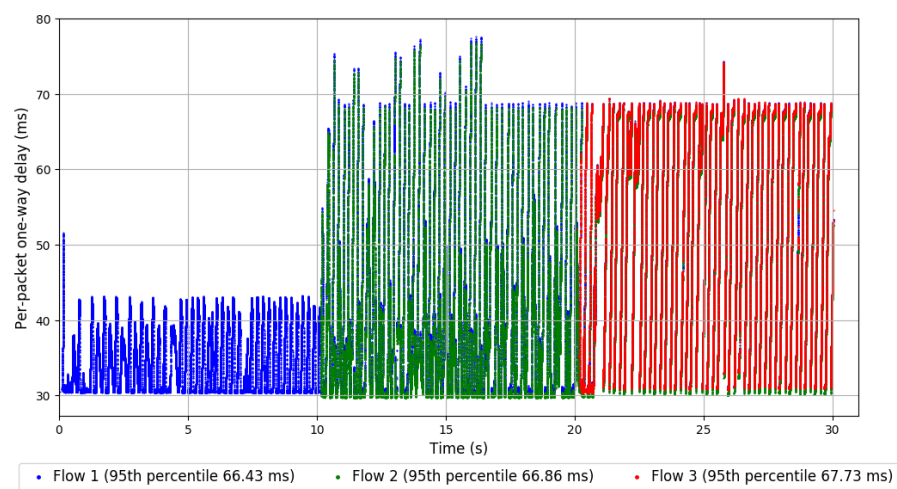
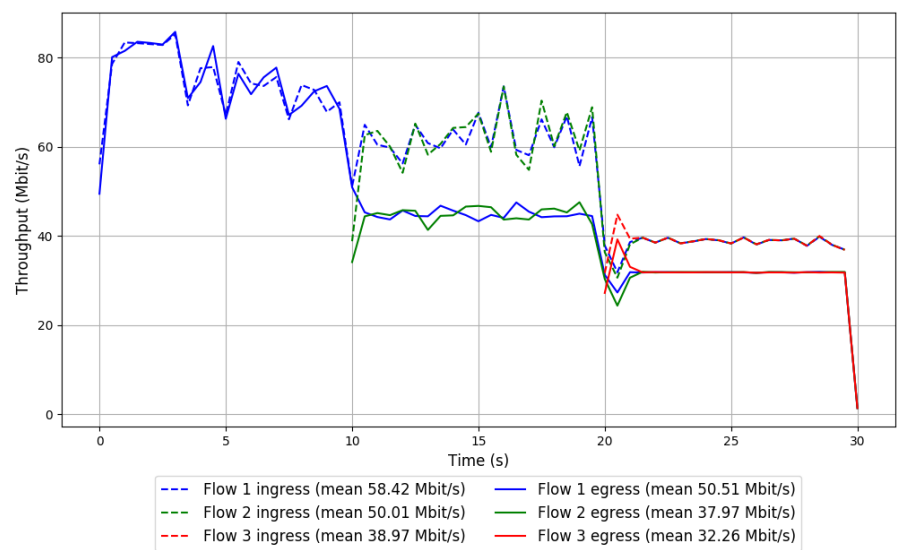


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-06 17:35:37
End at: 2018-03-06 17:36:07
Local clock offset: 0.172 ms
Remote clock offset: -0.858 ms

Below is generated by plot.py at 2018-03-06 20:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 67.231 ms
Loss rate: 17.28%
-- Flow 1:
Average throughput: 50.51 Mbit/s
95th percentile per-packet one-way delay: 66.426 ms
Loss rate: 13.47%
-- Flow 2:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 66.863 ms
Loss rate: 24.00%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 67.728 ms
Loss rate: 17.22%

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

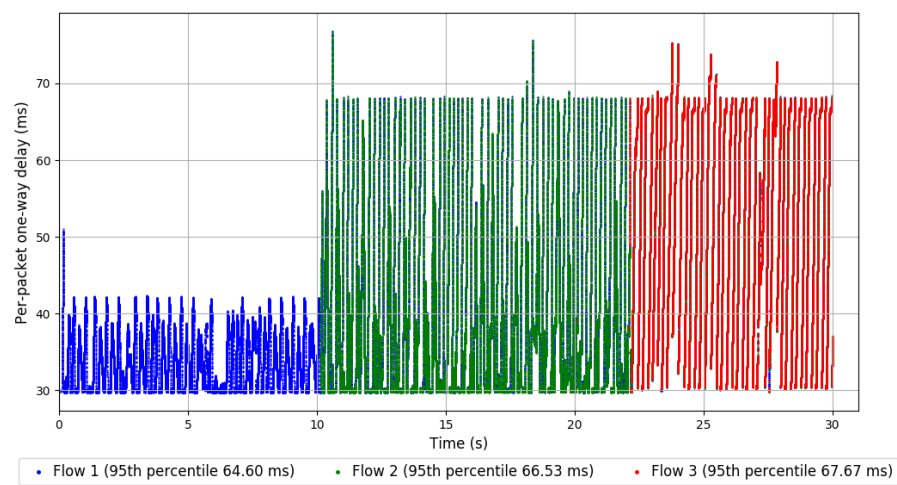
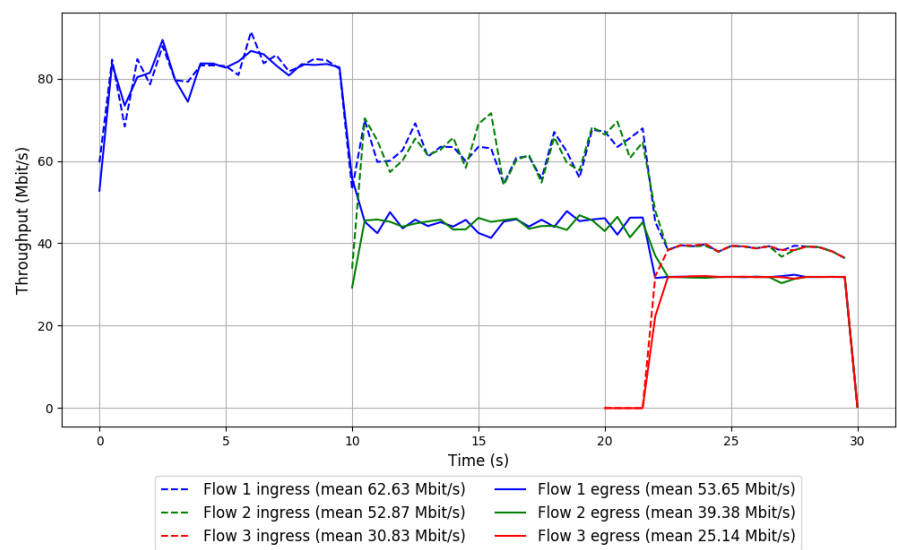


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-06 18:01:46
End at: 2018-03-06 18:02:16
Local clock offset: -0.059 ms
Remote clock offset: -3.658 ms

Below is generated by plot.py at 2018-03-06 20:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 66.401 ms
Loss rate: 18.37%
-- Flow 1:
Average throughput: 53.65 Mbit/s
95th percentile per-packet one-way delay: 64.604 ms
Loss rate: 14.32%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 66.532 ms
Loss rate: 25.54%
-- Flow 3:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 67.674 ms
Loss rate: 18.46%

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

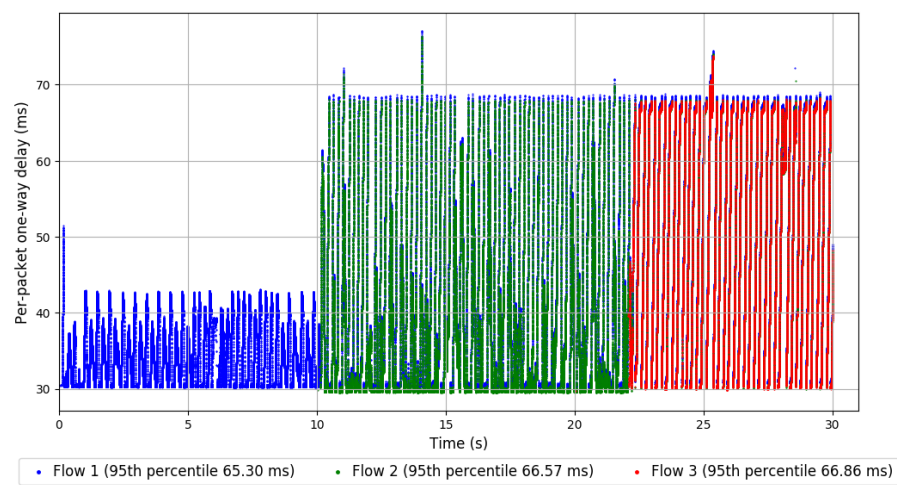
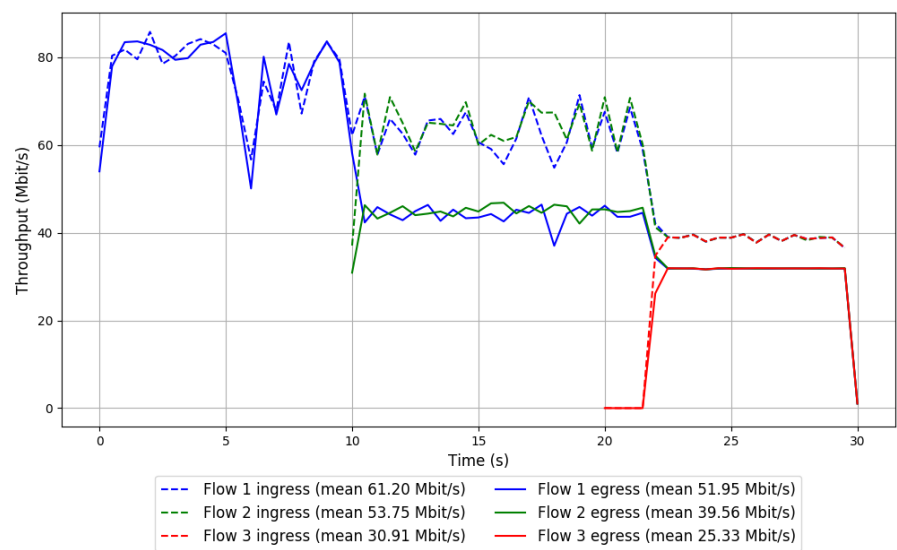


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-06 18:27:58
End at: 2018-03-06 18:28:28
Local clock offset: 0.787 ms
Remote clock offset: -2.395 ms

Below is generated by plot.py at 2018-03-06 20:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 66.613 ms
Loss rate: 19.10%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 65.297 ms
Loss rate: 15.06%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 66.570 ms
Loss rate: 26.34%
-- Flow 3:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 66.861 ms
Loss rate: 17.90%

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

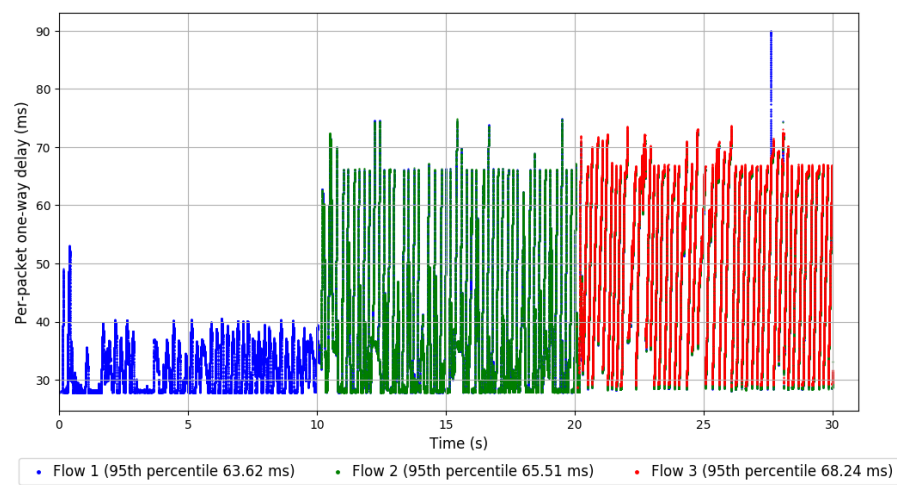
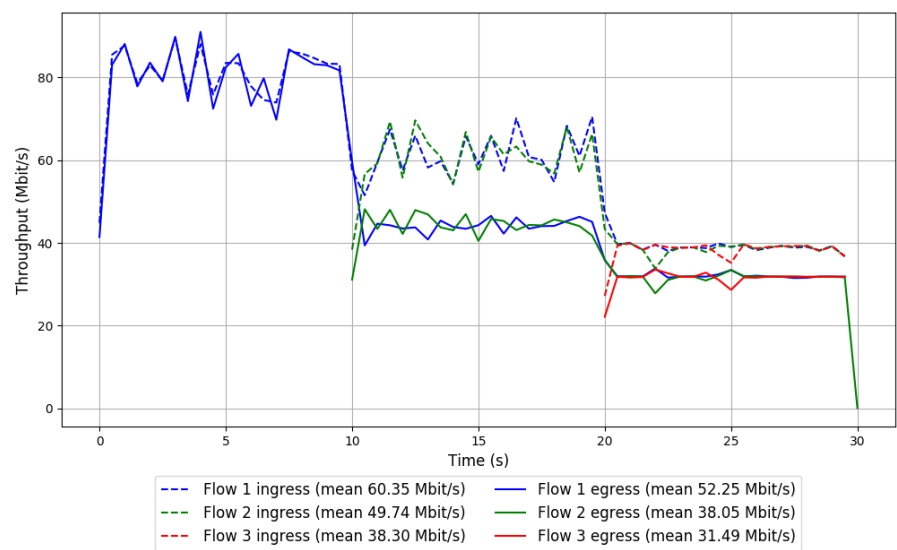


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-06 18:54:18
End at: 2018-03-06 18:54:48
Local clock offset: 0.869 ms
Remote clock offset: -5.442 ms

Below is generated by plot.py at 2018-03-06 20:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 65.297 ms
Loss rate: 17.09%
-- Flow 1:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 63.620 ms
Loss rate: 13.41%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 65.509 ms
Loss rate: 23.52%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 68.239 ms
Loss rate: 17.84%

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

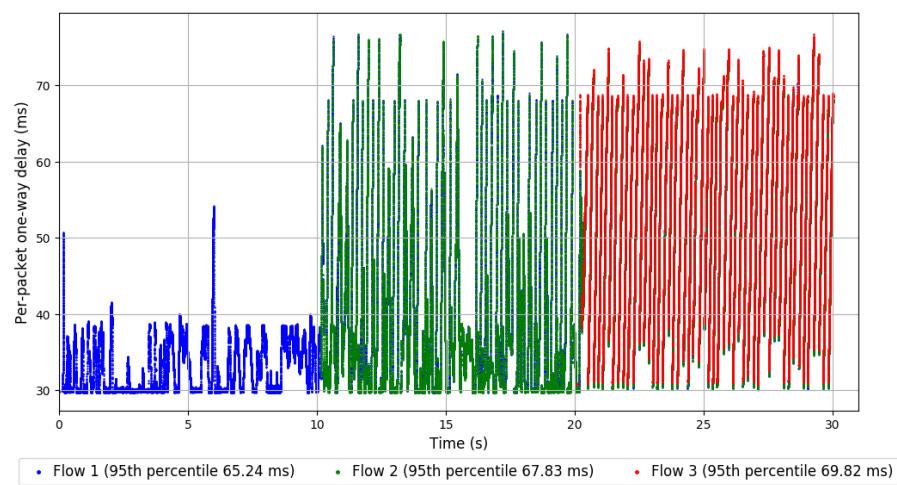
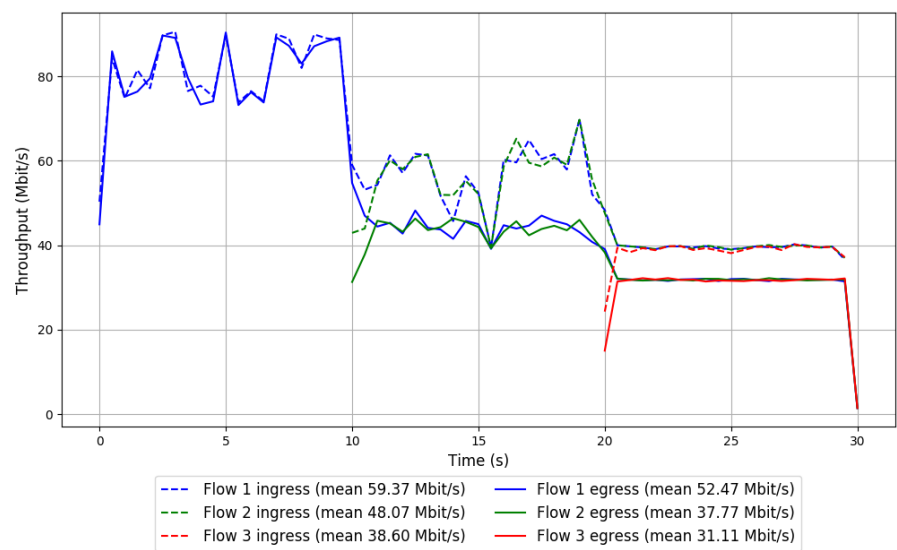


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-06 19:21:15
End at: 2018-03-06 19:21:45
Local clock offset: 0.881 ms
Remote clock offset: -6.163 ms

Below is generated by plot.py at 2018-03-06 20:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 67.395 ms
Loss rate: 15.49%
-- Flow 1:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 65.242 ms
Loss rate: 11.54%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 67.829 ms
Loss rate: 21.34%
-- Flow 3:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 69.816 ms
Loss rate: 19.21%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-03-06 19:50:09

End at: 2018-03-06 19:50:39

Local clock offset: 0.796 ms

Remote clock offset: -5.43 ms

Below is generated by plot.py at 2018-03-06 21:01:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.97 Mbit/s

95th percentile per-packet one-way delay: 64.704 ms

Loss rate: 19.52%

-- Flow 1:

Average throughput: 55.15 Mbit/s

95th percentile per-packet one-way delay: 61.603 ms

Loss rate: 15.42%

-- Flow 2:

Average throughput: 42.02 Mbit/s

95th percentile per-packet one-way delay: 65.664 ms

Loss rate: 26.20%

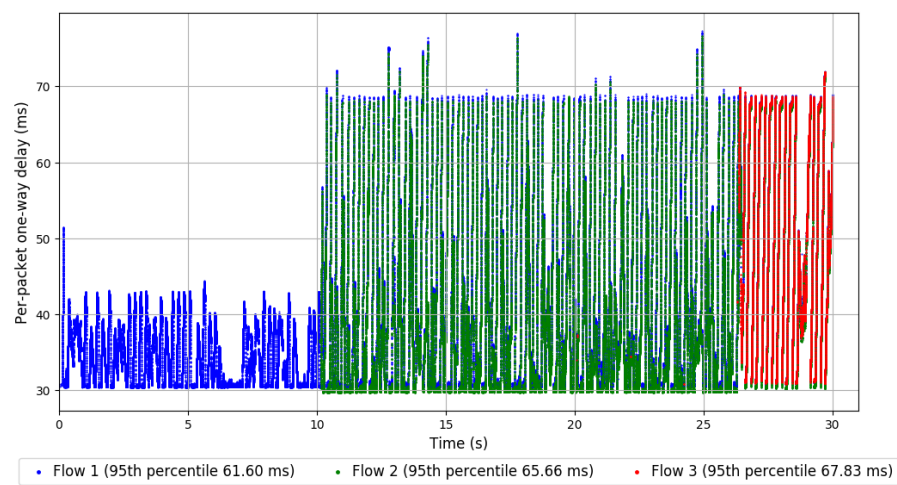
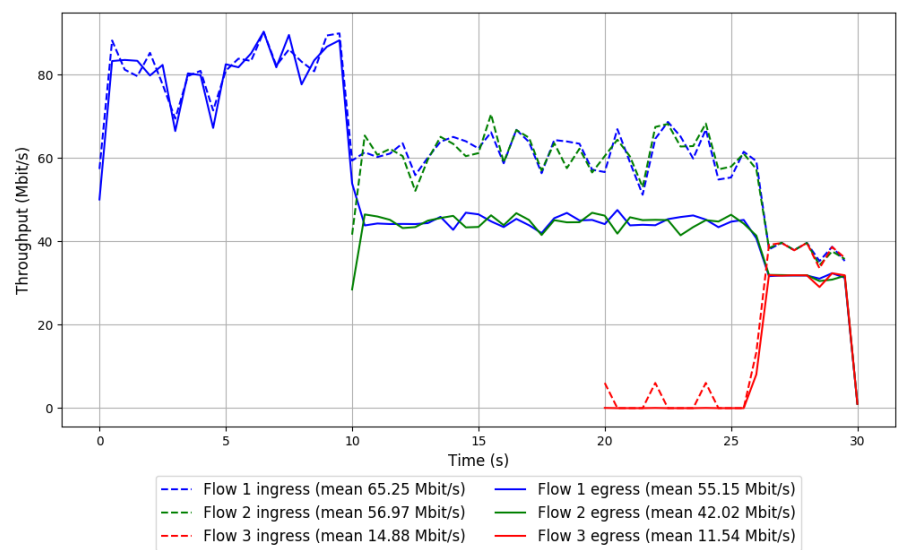
-- Flow 3:

Average throughput: 11.54 Mbit/s

95th percentile per-packet one-way delay: 67.835 ms

Loss rate: 22.33%

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

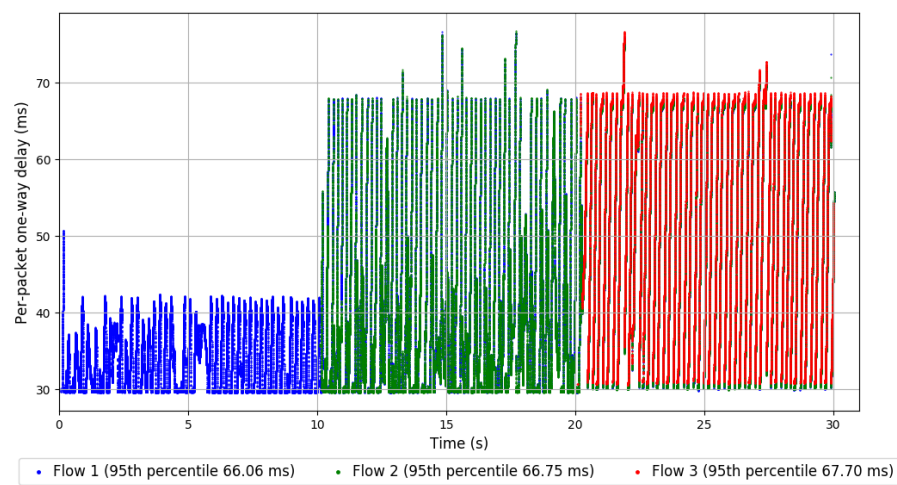
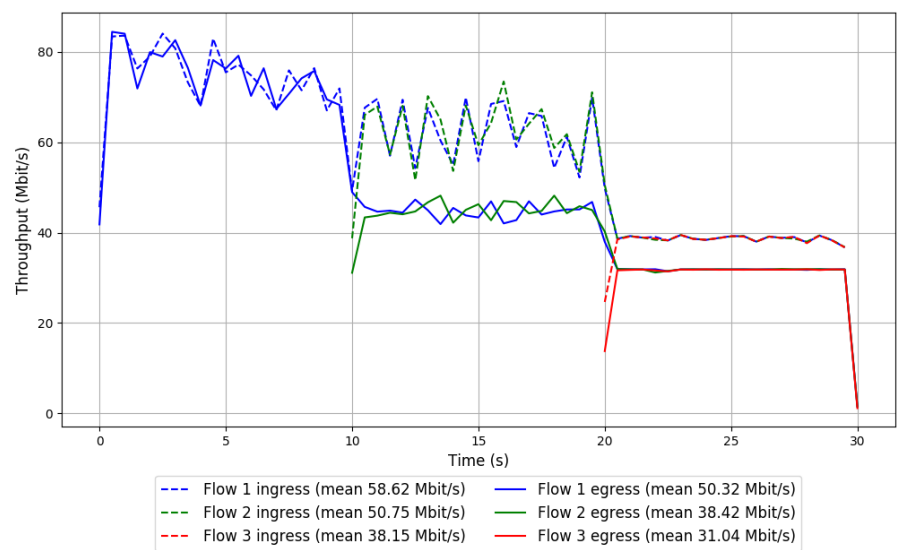


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-06 20:16:45
End at: 2018-03-06 20:17:15
Local clock offset: 1.261 ms
Remote clock offset: -4.809 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 66.830 ms
Loss rate: 17.88%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 66.064 ms
Loss rate: 14.08%
-- Flow 2:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 66.748 ms
Loss rate: 24.23%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 67.702 ms
Loss rate: 18.49%

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

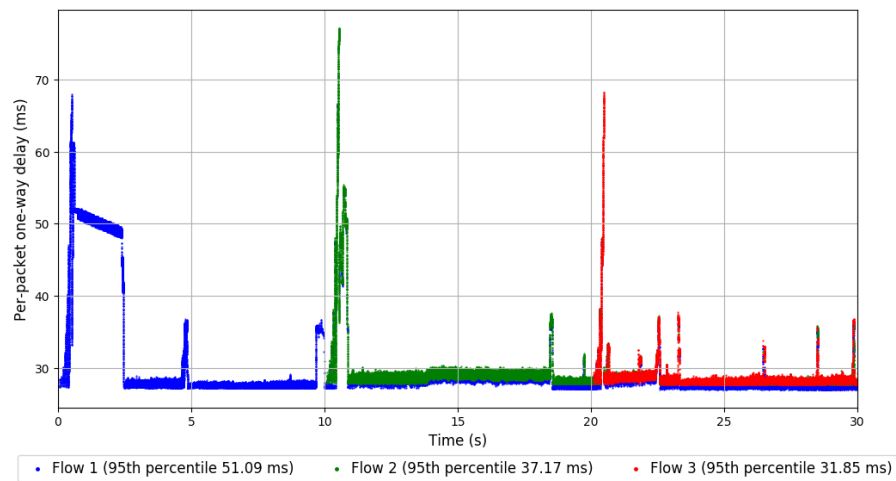
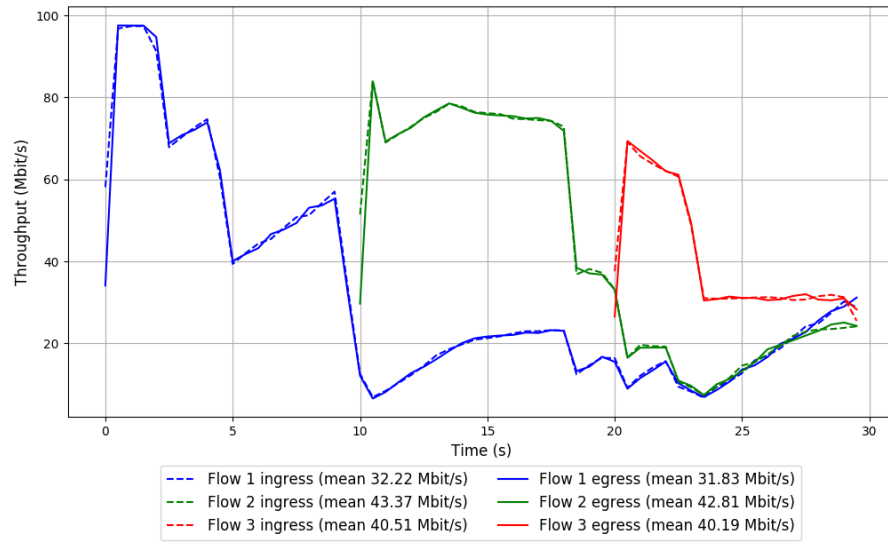


Run 1: Statistics of TCP Vegas

Start at: 2018-03-06 16:03:39
End at: 2018-03-06 16:04:09
Local clock offset: 0.827 ms
Remote clock offset: -8.373 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.69 Mbit/s
95th percentile per-packet one-way delay: 50.361 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 51.085 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 37.173 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 31.847 ms
Loss rate: 0.79%

Run 1: Report of TCP Vegas — Data Link

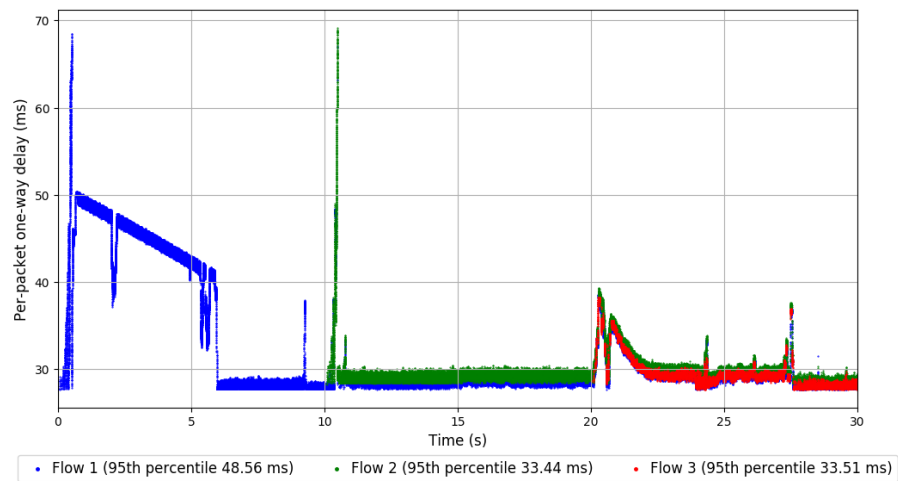
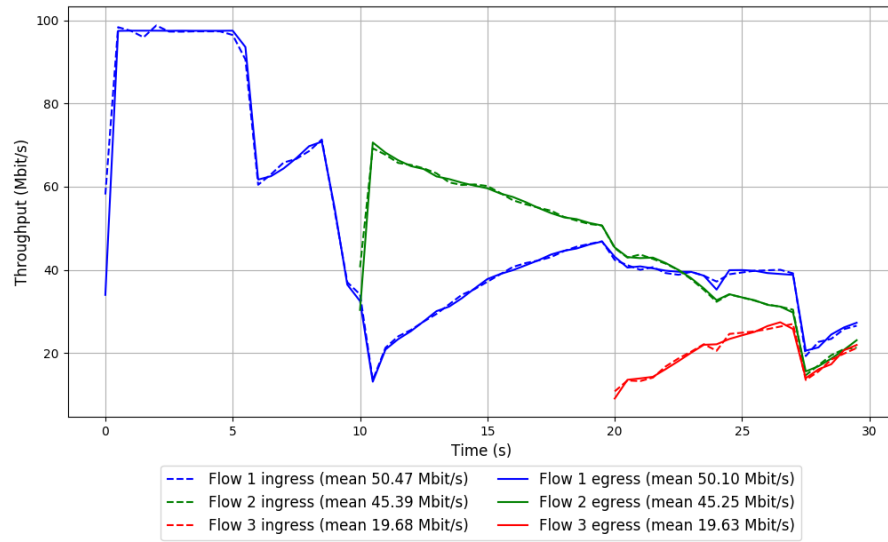


Run 2: Statistics of TCP Vegas

Start at: 2018-03-06 16:29:26
End at: 2018-03-06 16:29:56
Local clock offset: 0.73 ms
Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.76 Mbit/s
95th percentile per-packet one-way delay: 47.706 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 48.560 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 33.436 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 33.507 ms
Loss rate: 0.23%

Run 2: Report of TCP Vegas — Data Link

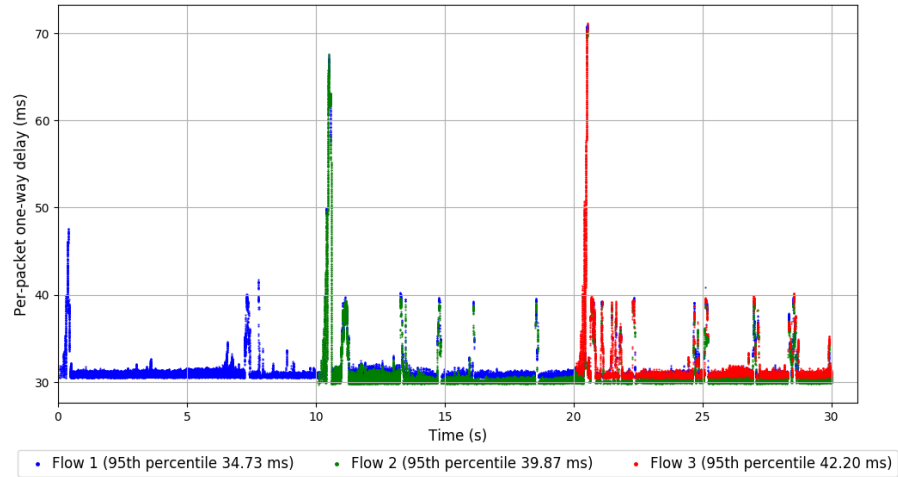
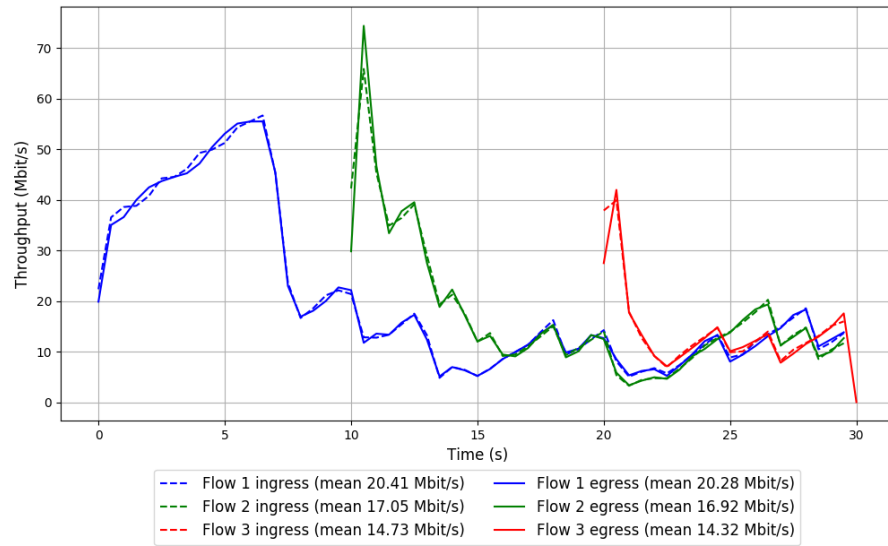


Run 3: Statistics of TCP Vegas

Start at: 2018-03-06 16:54:54
End at: 2018-03-06 16:55:24
Local clock offset: 0.7 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 38.543 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 34.725 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: 39.872 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 42.205 ms
Loss rate: 2.76%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-03-06 17:21:24

End at: 2018-03-06 17:21:54

Local clock offset: 0.441 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2018-03-06 21:01:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.77 Mbit/s

95th percentile per-packet one-way delay: 36.779 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 30.92 Mbit/s

95th percentile per-packet one-way delay: 33.132 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 20.56 Mbit/s

95th percentile per-packet one-way delay: 38.793 ms

Loss rate: 0.90%

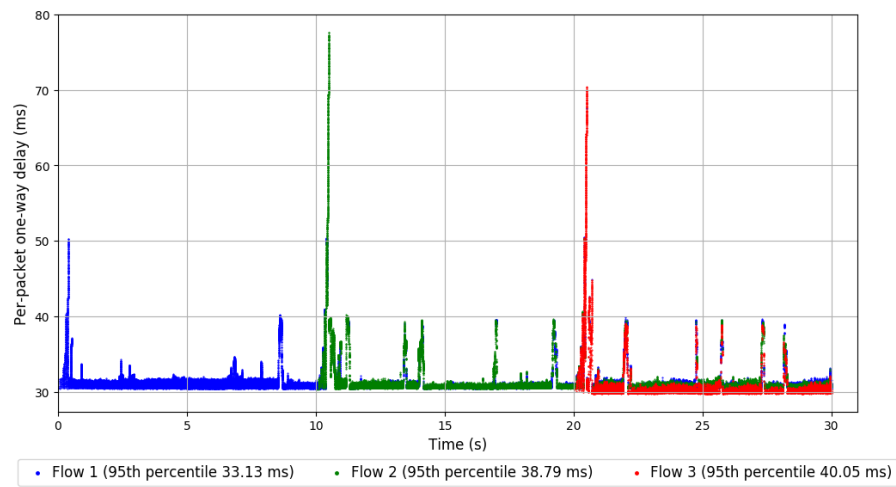
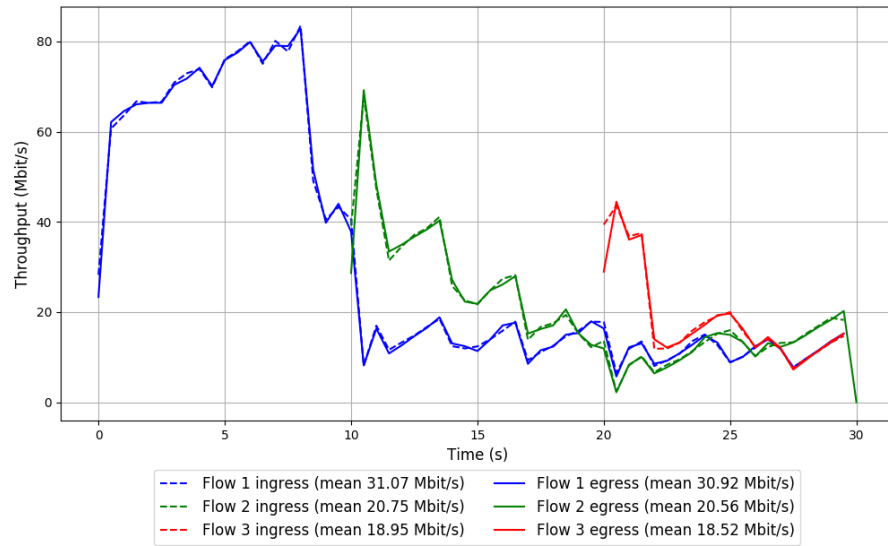
-- Flow 3:

Average throughput: 18.52 Mbit/s

95th percentile per-packet one-way delay: 40.047 ms

Loss rate: 2.25%

Run 4: Report of TCP Vegas — Data Link

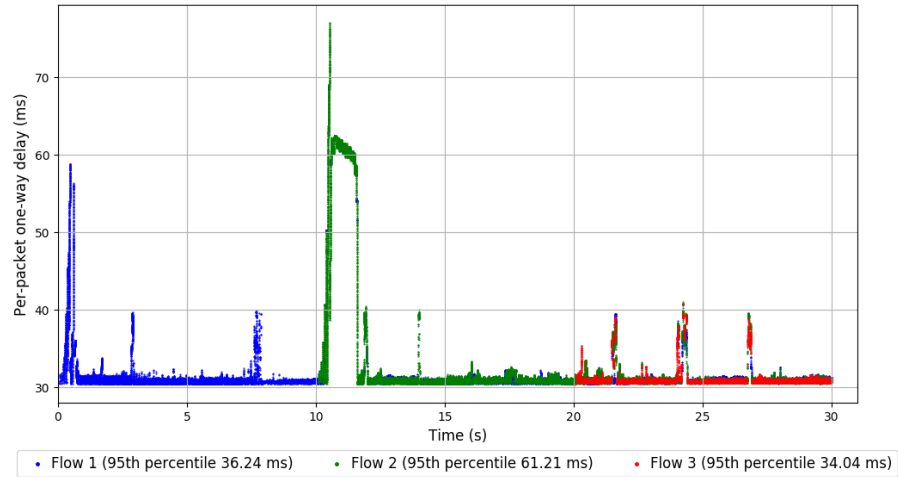
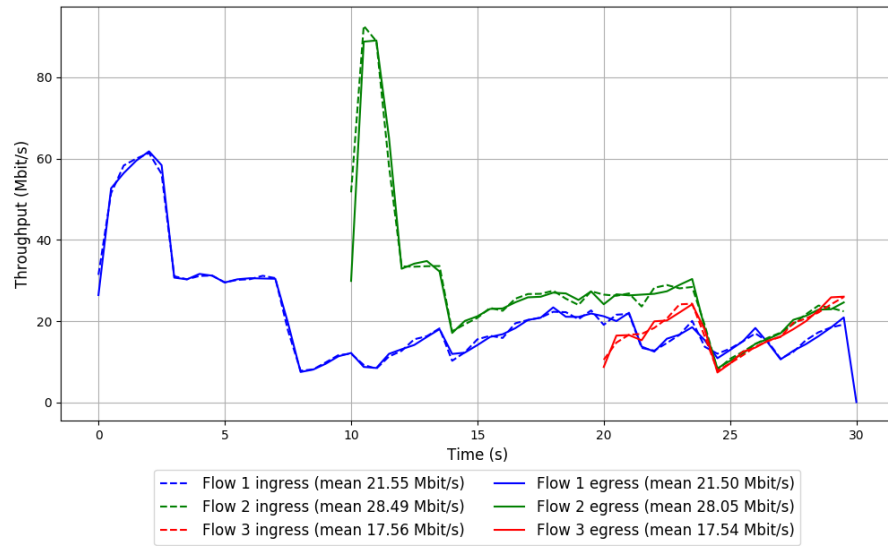


Run 5: Statistics of TCP Vegas

Start at: 2018-03-06 17:47:44
End at: 2018-03-06 17:48:14
Local clock offset: 0.079 ms
Remote clock offset: -2.158 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.99 Mbit/s
95th percentile per-packet one-way delay: 60.391 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 21.50 Mbit/s
95th percentile per-packet one-way delay: 36.241 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 61.210 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 17.54 Mbit/s
95th percentile per-packet one-way delay: 34.040 ms
Loss rate: 0.15%

Run 5: Report of TCP Vegas — Data Link

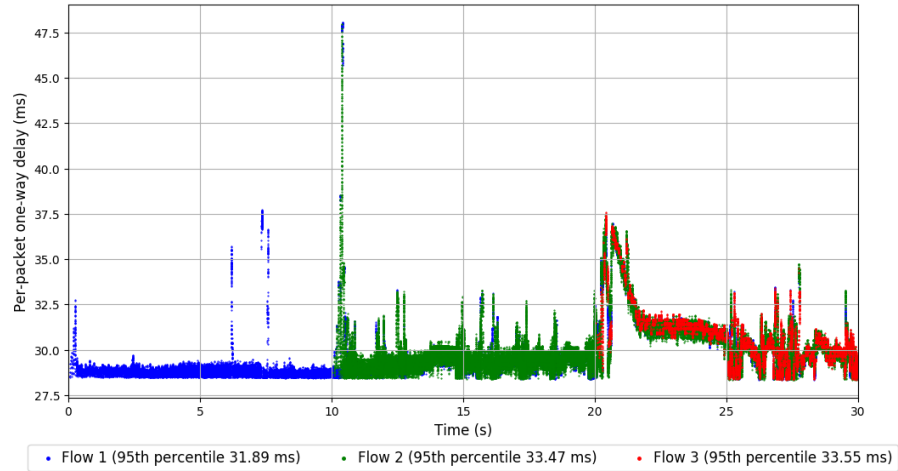
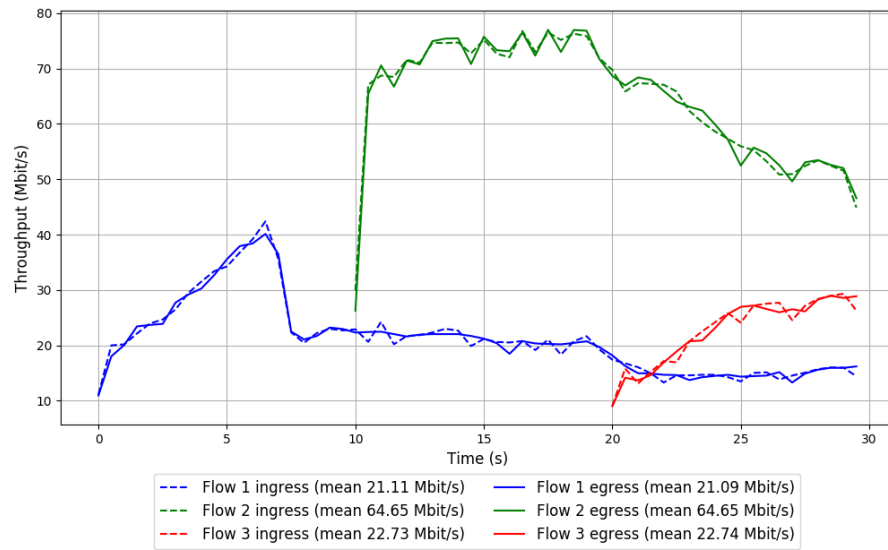


Run 6: Statistics of TCP Vegas

Start at: 2018-03-06 18:13:52
End at: 2018-03-06 18:14:22
Local clock offset: 0.216 ms
Remote clock offset: -6.639 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.68 Mbit/s
95th percentile per-packet one-way delay: 33.064 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 31.889 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 33.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 33.551 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

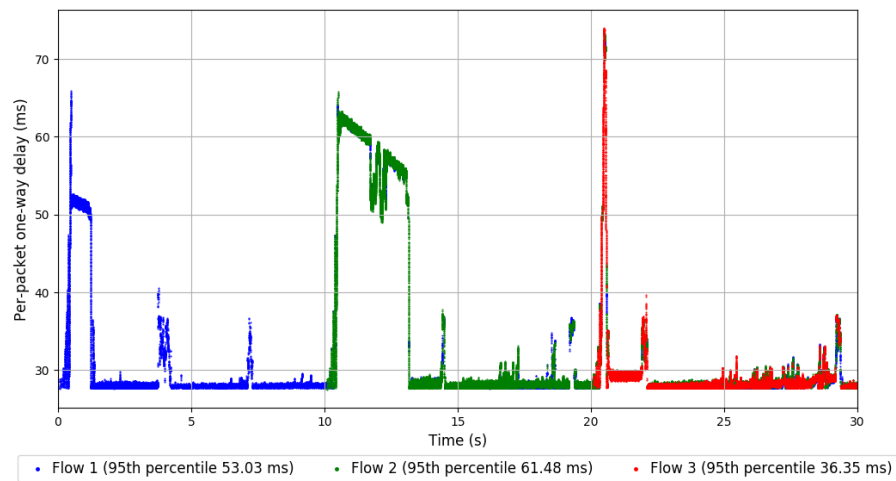
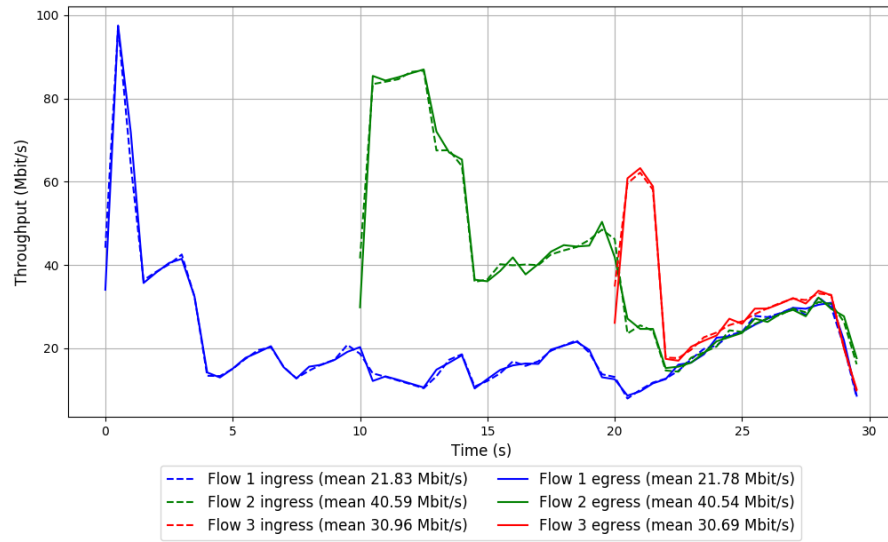


Run 7: Statistics of TCP Vegas

Start at: 2018-03-06 18:40:00
End at: 2018-03-06 18:40:30
Local clock offset: 0.747 ms
Remote clock offset: -4.247 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 60.553 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 53.035 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 61.475 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 36.349 ms
Loss rate: 0.87%

Run 7: Report of TCP Vegas — Data Link

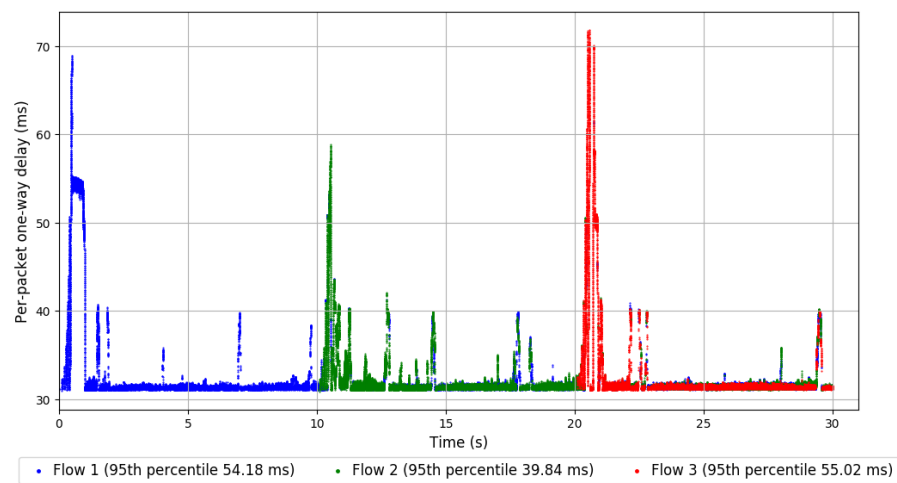
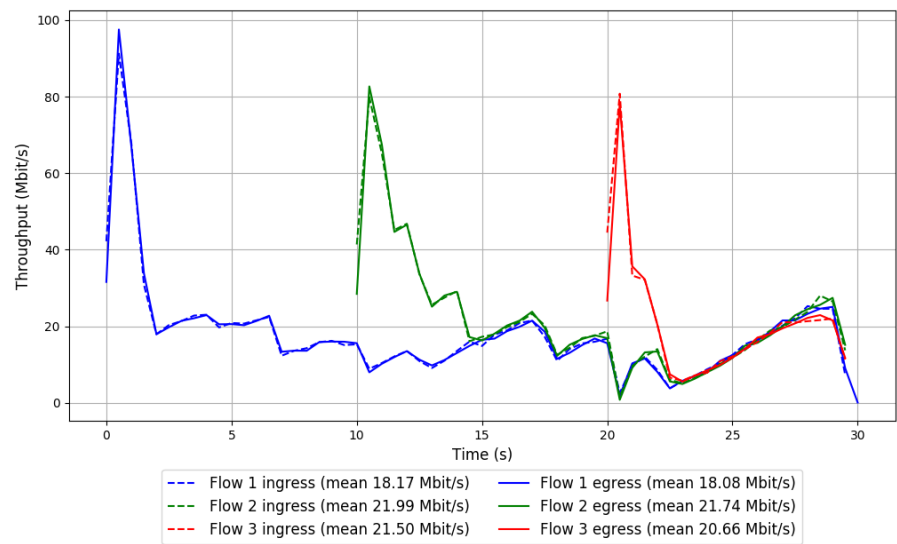


Run 8: Statistics of TCP Vegas

Start at: 2018-03-06 19:06:53
End at: 2018-03-06 19:07:23
Local clock offset: 0.885 ms
Remote clock offset: -4.445 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 52.882 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 54.176 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: 39.844 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 55.017 ms
Loss rate: 3.93%

Run 8: Report of TCP Vegas — Data Link

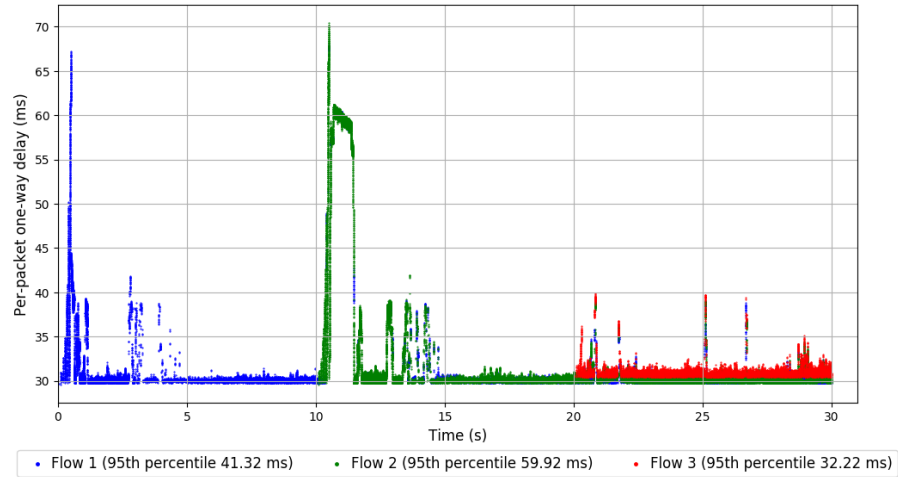
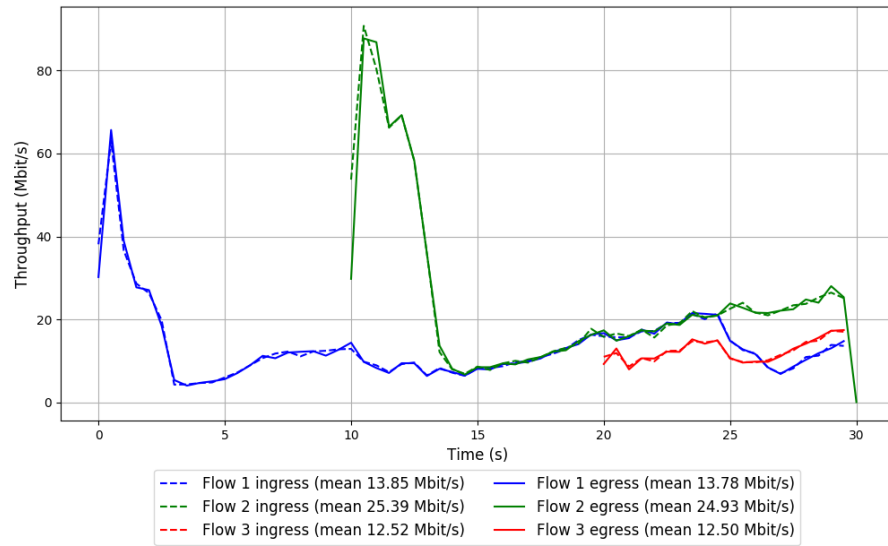


Run 9: Statistics of TCP Vegas

Start at: 2018-03-06 19:35:18
End at: 2018-03-06 19:35:48
Local clock offset: 0.734 ms
Remote clock offset: -5.265 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 59.244 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 41.322 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 59.921 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 32.215 ms
Loss rate: 0.14%

Run 9: Report of TCP Vegas — Data Link

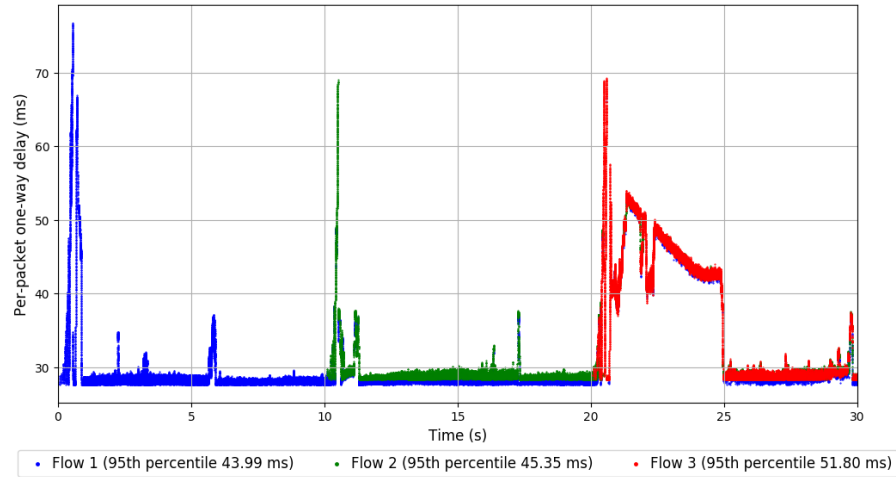
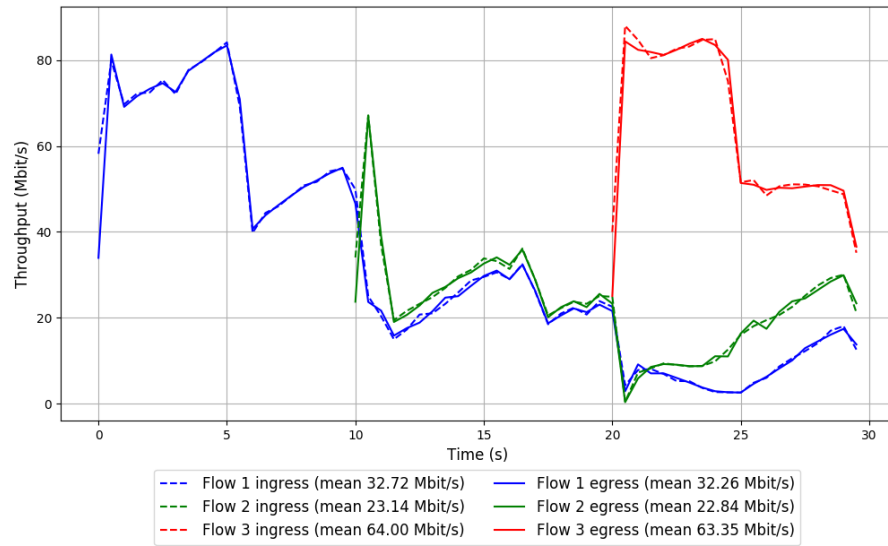


Run 10: Statistics of TCP Vegas

Start at: 2018-03-06 20:02:16
End at: 2018-03-06 20:02:46
Local clock offset: 1.014 ms
Remote clock offset: -7.186 ms

Below is generated by plot.py at 2018-03-06 21:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.47 Mbit/s
95th percentile per-packet one-way delay: 49.350 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 43.986 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 22.84 Mbit/s
95th percentile per-packet one-way delay: 45.355 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 63.35 Mbit/s
95th percentile per-packet one-way delay: 51.805 ms
Loss rate: 1.03%

Run 10: Report of TCP Vegas — Data Link

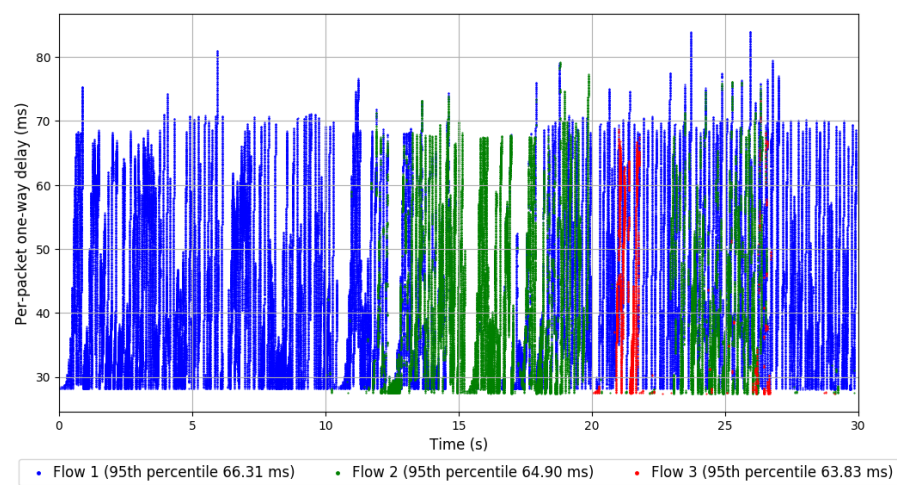
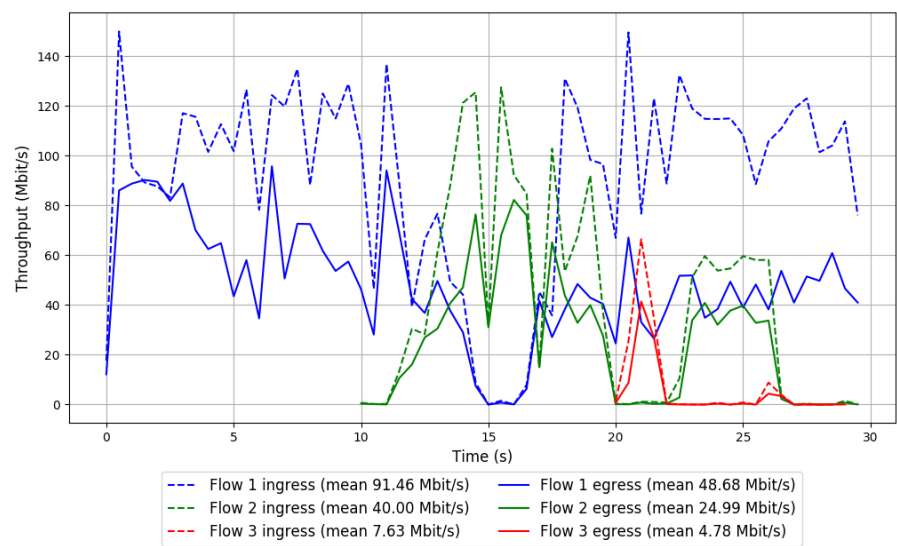


Run 1: Statistics of Verus

Start at: 2018-03-06 16:18:55
End at: 2018-03-06 16:19:25
Local clock offset: 0.819 ms
Remote clock offset: -2.067 ms

Below is generated by plot.py at 2018-03-06 21:02:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.69 Mbit/s
95th percentile per-packet one-way delay: 65.876 ms
Loss rate: 44.62%
-- Flow 1:
Average throughput: 48.68 Mbit/s
95th percentile per-packet one-way delay: 66.313 ms
Loss rate: 46.76%
-- Flow 2:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 64.896 ms
Loss rate: 37.69%
-- Flow 3:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 63.833 ms
Loss rate: 39.54%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-06 16:44:49

End at: 2018-03-06 16:45:19

Local clock offset: 0.771 ms

Remote clock offset: 0.422 ms

Below is generated by plot.py at 2018-03-06 21:02:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.74 Mbit/s

95th percentile per-packet one-way delay: 70.809 ms

Loss rate: 47.17%

-- Flow 1:

Average throughput: 43.78 Mbit/s

95th percentile per-packet one-way delay: 70.871 ms

Loss rate: 51.01%

-- Flow 2:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 70.502 ms

Loss rate: 35.69%

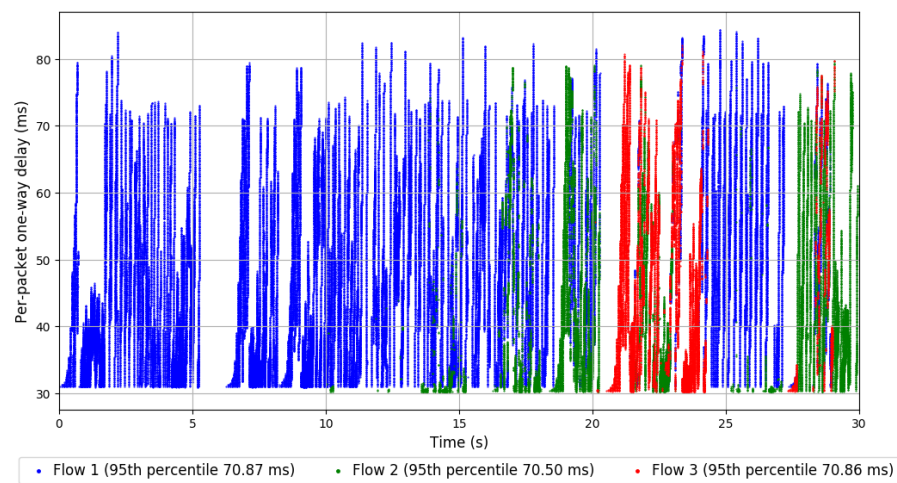
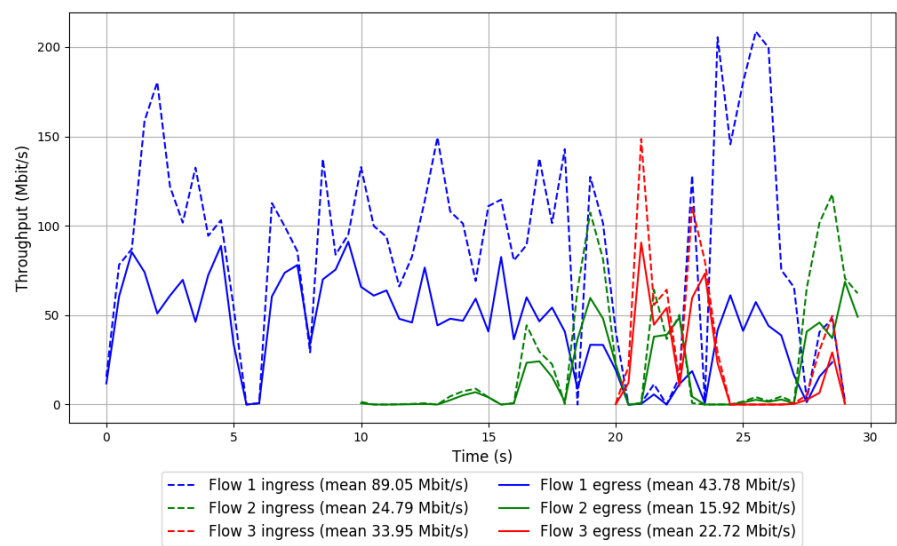
-- Flow 3:

Average throughput: 22.72 Mbit/s

95th percentile per-packet one-way delay: 70.858 ms

Loss rate: 33.11%

Run 2: Report of Verus — Data Link

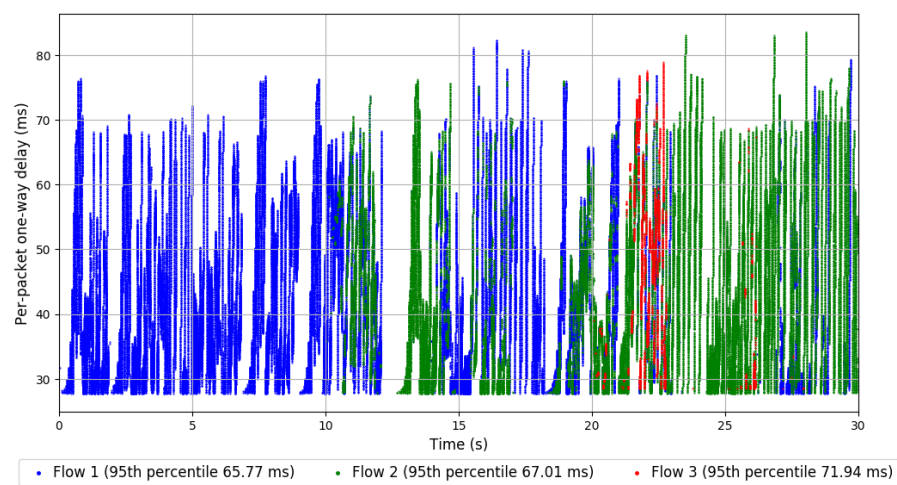
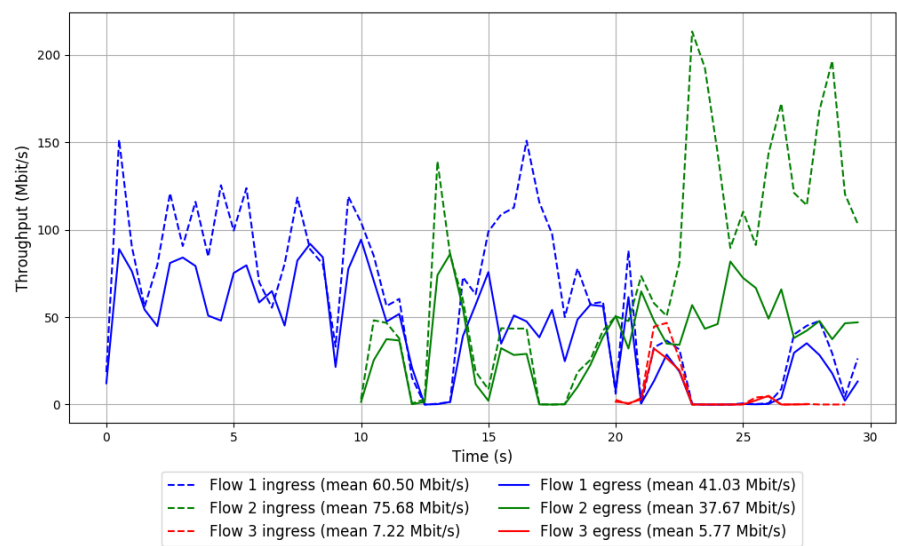


Run 3: Statistics of Verus

Start at: 2018-03-06 17:10:43
End at: 2018-03-06 17:11:13
Local clock offset: 0.586 ms
Remote clock offset: -2.292 ms

Below is generated by plot.py at 2018-03-06 21:02:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.29 Mbit/s
95th percentile per-packet one-way delay: 66.473 ms
Loss rate: 40.24%
-- Flow 1:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 65.770 ms
Loss rate: 32.18%
-- Flow 2:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 67.010 ms
Loss rate: 50.24%
-- Flow 3:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 71.937 ms
Loss rate: 31.65%

Run 3: Report of Verus — Data Link

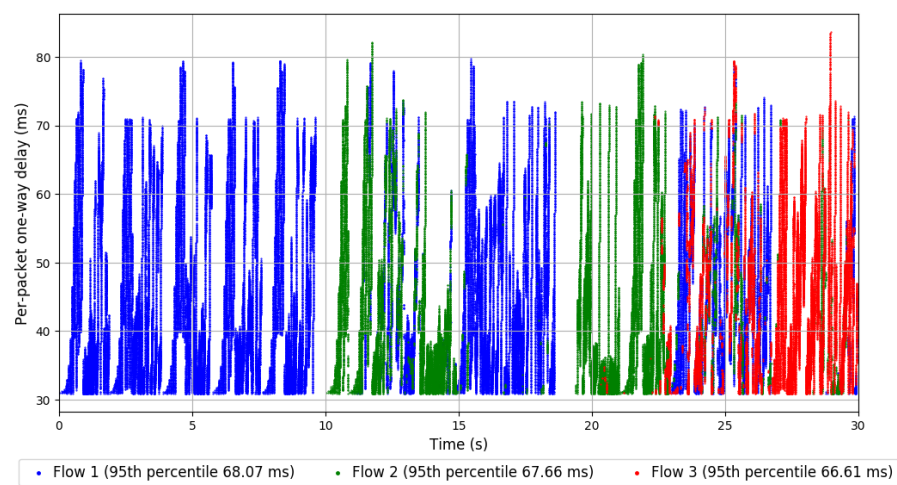
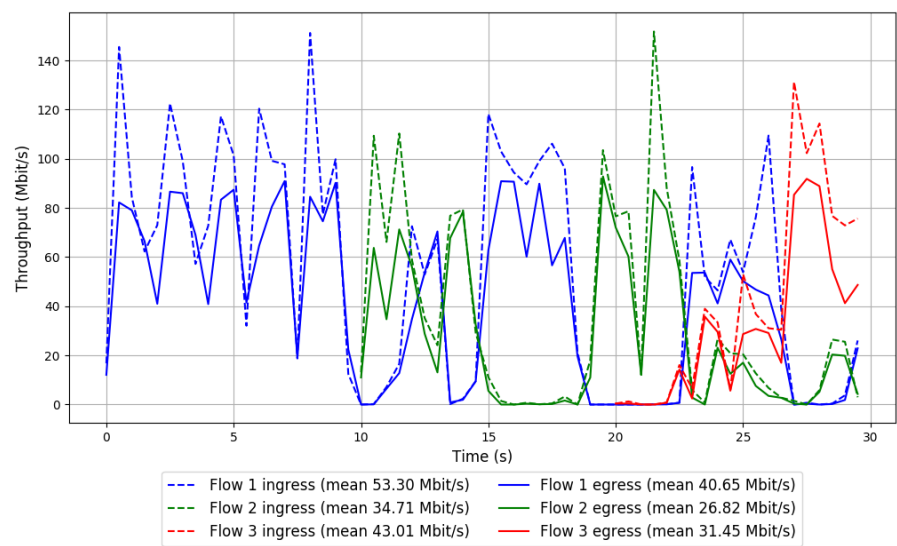


Run 4: Statistics of Verus

Start at: 2018-03-06 17:37:10
End at: 2018-03-06 17:37:40
Local clock offset: 0.219 ms
Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-03-06 21:02:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.36 Mbit/s
95th percentile per-packet one-way delay: 67.832 ms
Loss rate: 24.00%
-- Flow 1:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 68.071 ms
Loss rate: 23.73%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 67.660 ms
Loss rate: 22.92%
-- Flow 3:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 66.615 ms
Loss rate: 26.85%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

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

End at: 2018-03-06 18:03:56

Local clock offset: -0.089 ms

Remote clock offset: -3.86 ms

Below is generated by plot.py at 2018-03-06 21:02:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.03 Mbit/s

95th percentile per-packet one-way delay: 69.191 ms

Loss rate: 53.74%

-- Flow 1:

Average throughput: 51.00 Mbit/s

95th percentile per-packet one-way delay: 69.607 ms

Loss rate: 56.15%

-- Flow 2:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 65.389 ms

Loss rate: 29.07%

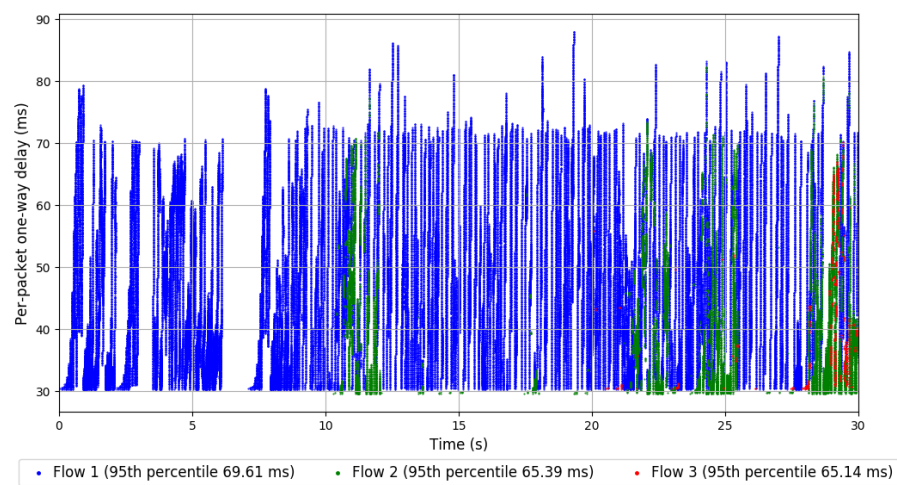
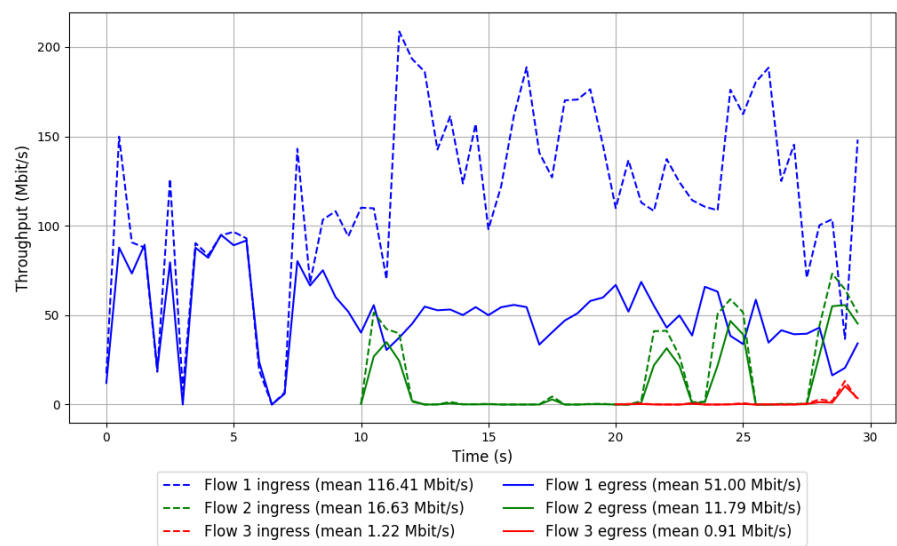
-- Flow 3:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 65.142 ms

Loss rate: 25.54%

Run 5: Report of Verus — Data Link

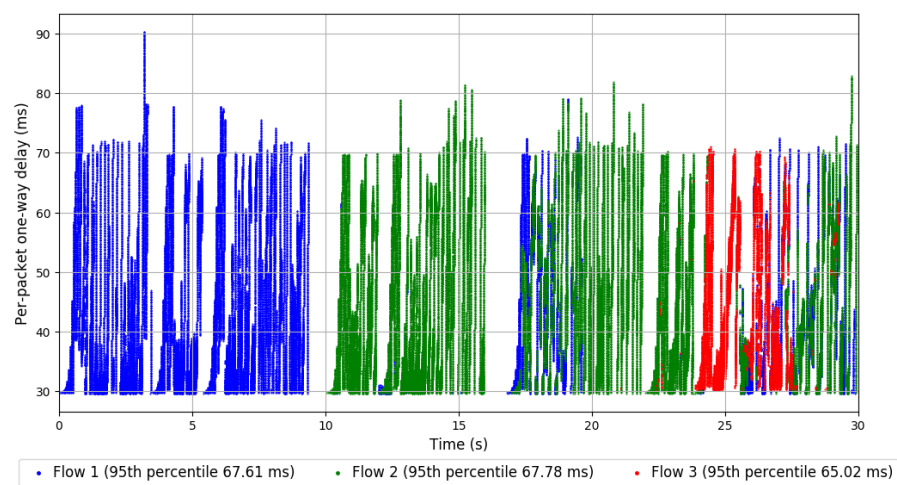
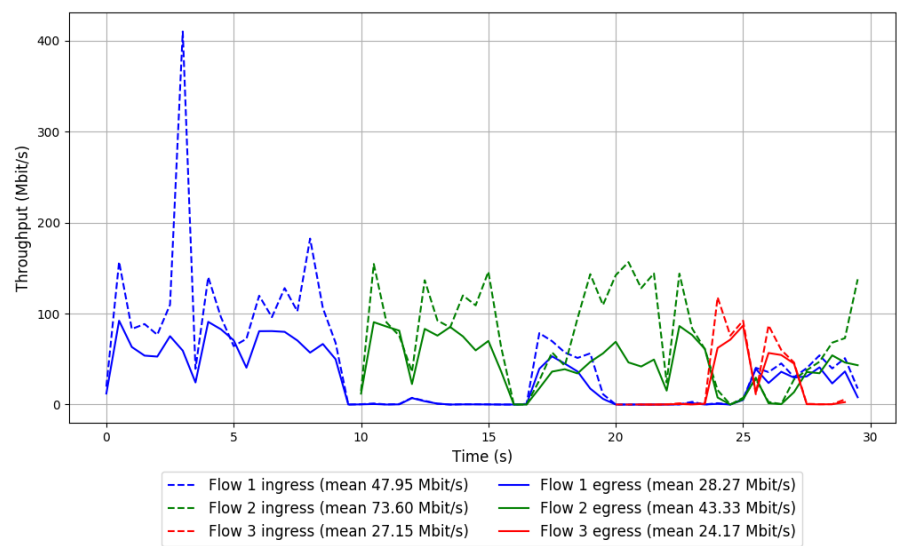


Run 6: Statistics of Verus

Start at: 2018-03-06 18:29:30
End at: 2018-03-06 18:30:00
Local clock offset: 0.761 ms
Remote clock offset: -2.251 ms

Below is generated by plot.py at 2018-03-06 21:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.64 Mbit/s
95th percentile per-packet one-way delay: 67.432 ms
Loss rate: 39.47%
-- Flow 1:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 67.609 ms
Loss rate: 41.05%
-- Flow 2:
Average throughput: 43.33 Mbit/s
95th percentile per-packet one-way delay: 67.776 ms
Loss rate: 41.05%
-- Flow 3:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 65.018 ms
Loss rate: 21.13%

Run 6: Report of Verus — Data Link

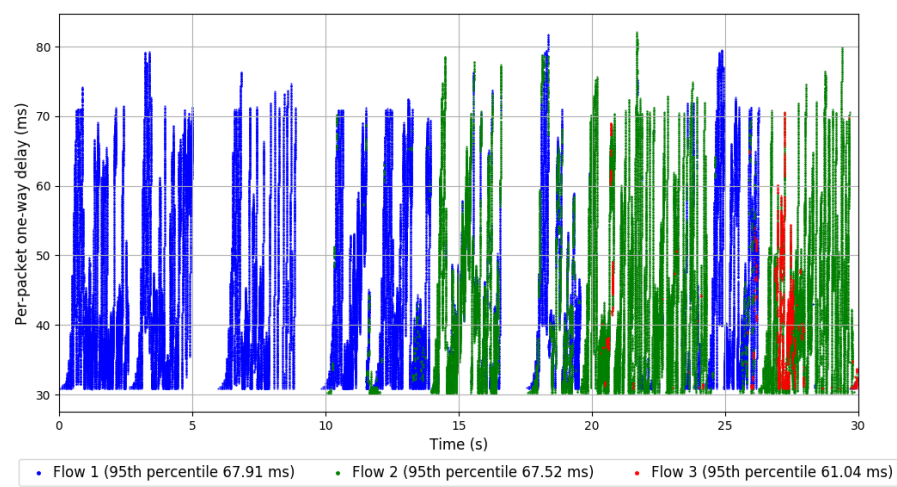
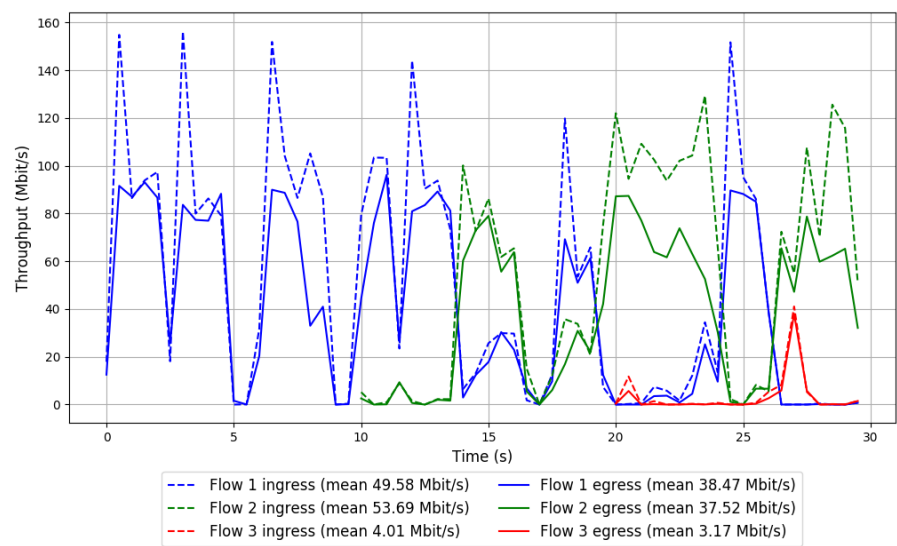


Run 7: Statistics of Verus

Start at: 2018-03-06 18:56:01
End at: 2018-03-06 18:56:31
Local clock offset: 0.888 ms
Remote clock offset: -3.317 ms

Below is generated by plot.py at 2018-03-06 21:02:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 67.749 ms
Loss rate: 25.57%
-- Flow 1:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 67.909 ms
Loss rate: 22.41%
-- Flow 2:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 67.518 ms
Loss rate: 30.11%
-- Flow 3:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 61.040 ms
Loss rate: 20.93%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-03-06 19:23:25

End at: 2018-03-06 19:23:55

Local clock offset: 0.934 ms

Remote clock offset: -5.99 ms

Below is generated by plot.py at 2018-03-06 21:02:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.52 Mbit/s

95th percentile per-packet one-way delay: 66.410 ms

Loss rate: 26.55%

-- Flow 1:

Average throughput: 33.12 Mbit/s

95th percentile per-packet one-way delay: 64.483 ms

Loss rate: 19.06%

-- Flow 2:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 66.885 ms

Loss rate: 28.81%

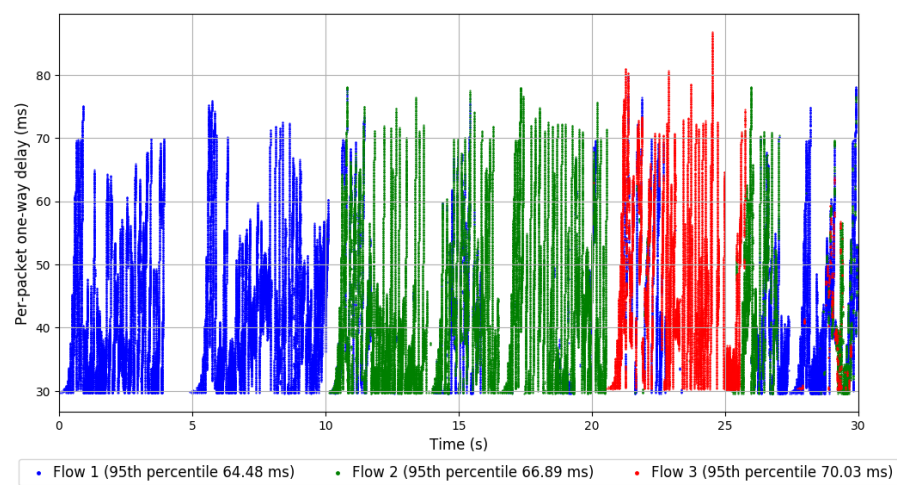
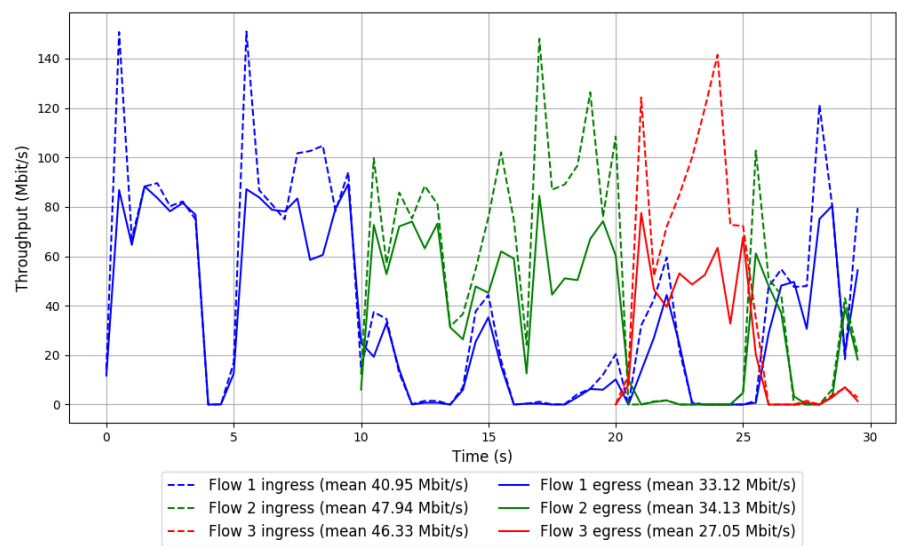
-- Flow 3:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 70.033 ms

Loss rate: 42.12%

Run 8: Report of Verus — Data Link

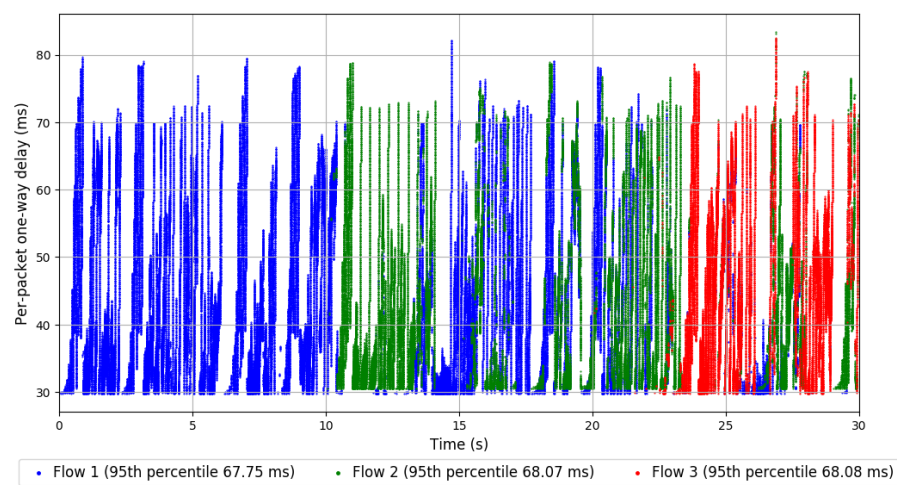
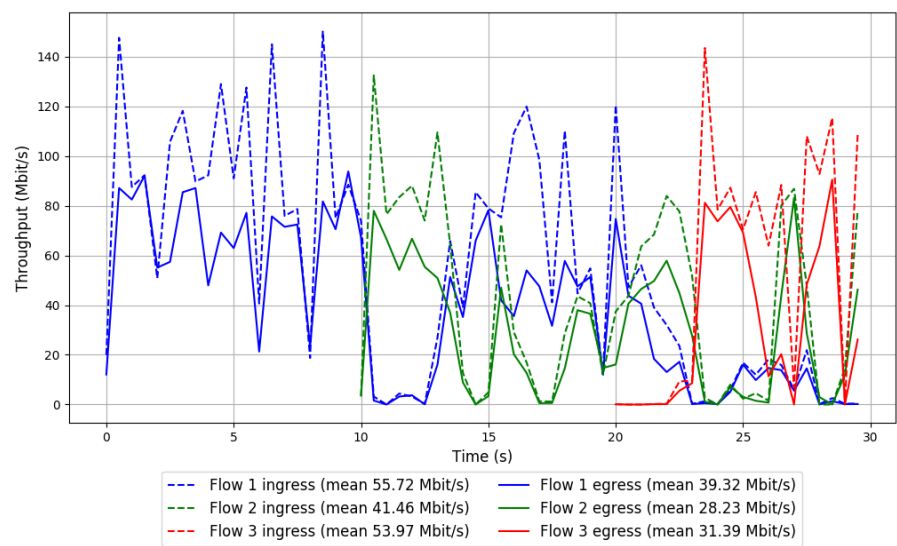


Run 9: Statistics of Verus

Start at: 2018-03-06 19:51:44
End at: 2018-03-06 19:52:14
Local clock offset: 0.714 ms
Remote clock offset: -5.537 ms

Below is generated by plot.py at 2018-03-06 21:03:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 67.891 ms
Loss rate: 32.38%
-- Flow 1:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 67.749 ms
Loss rate: 29.56%
-- Flow 2:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 68.074 ms
Loss rate: 31.89%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 68.084 ms
Loss rate: 41.82%

Run 9: Report of Verus — Data Link

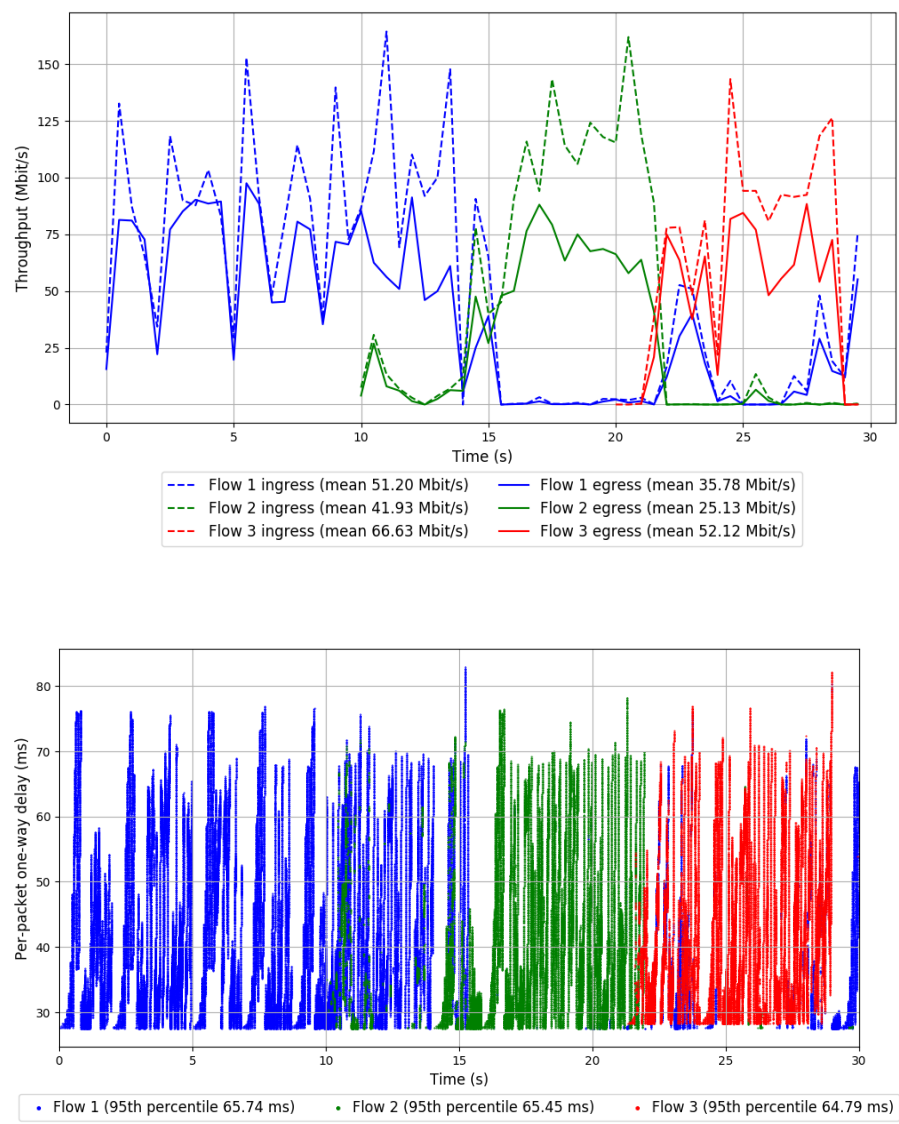


Run 10: Statistics of Verus

Start at: 2018-03-06 20:18:23
End at: 2018-03-06 20:18:53
Local clock offset: 1.298 ms
Remote clock offset: -6.843 ms

Below is generated by plot.py at 2018-03-06 21:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.34 Mbit/s
95th percentile per-packet one-way delay: 65.450 ms
Loss rate: 32.79%
-- Flow 1:
Average throughput: 35.78 Mbit/s
95th percentile per-packet one-way delay: 65.738 ms
Loss rate: 30.03%
-- Flow 2:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 65.448 ms
Loss rate: 40.25%
-- Flow 3:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 64.792 ms
Loss rate: 29.72%

Run 10: Report of Verus — Data Link

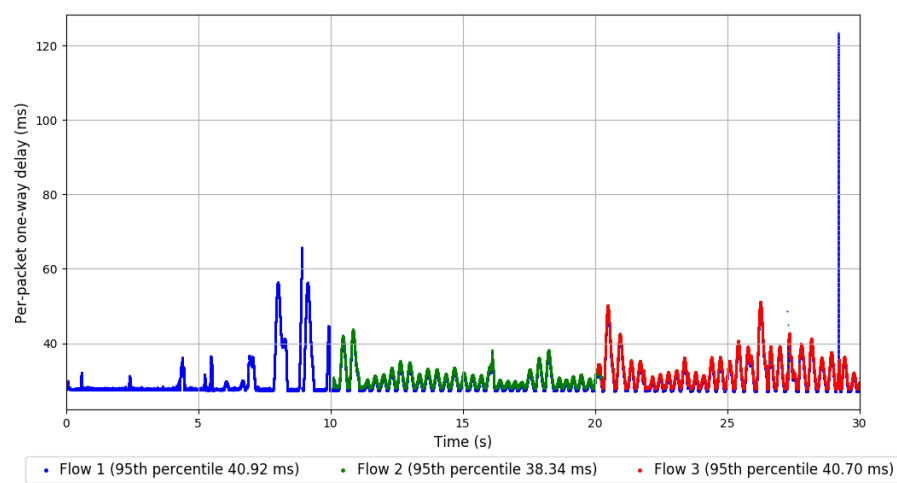
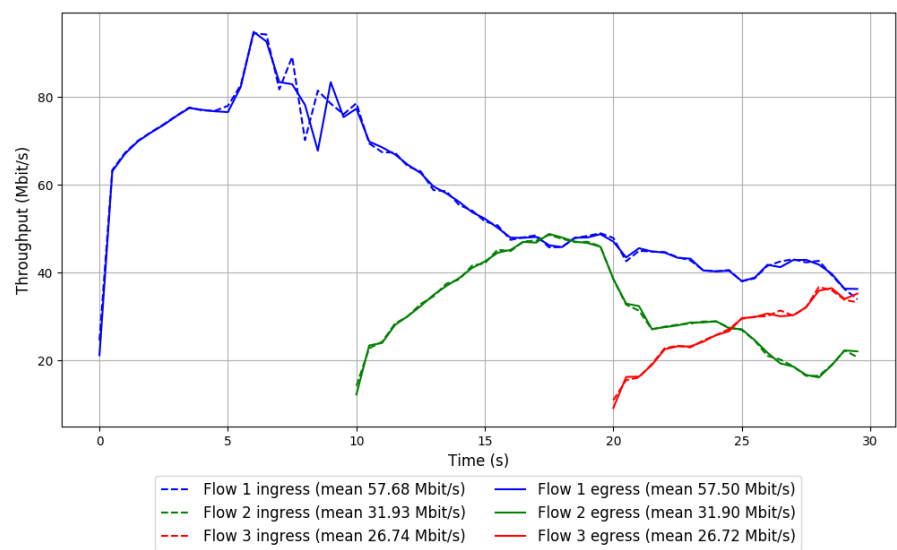


Run 1: Statistics of Copa

Start at: 2018-03-06 16:00:47
End at: 2018-03-06 16:01:17
Local clock offset: 0.85 ms
Remote clock offset: -10.537 ms

Below is generated by plot.py at 2018-03-06 21:04:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 40.354 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.50 Mbit/s
95th percentile per-packet one-way delay: 40.925 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 38.340 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 26.72 Mbit/s
95th percentile per-packet one-way delay: 40.695 ms
Loss rate: 0.14%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-06 16:26:17

End at: 2018-03-06 16:26:47

Local clock offset: 0.827 ms

Remote clock offset: 1.194 ms

Below is generated by plot.py at 2018-03-06 21:06:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 57.144 ms

Loss rate: 76.30%

-- Flow 1:

Average throughput: 71.96 Mbit/s

95th percentile per-packet one-way delay: 57.159 ms

Loss rate: 78.82%

-- Flow 2:

Average throughput: 19.01 Mbit/s

95th percentile per-packet one-way delay: 55.827 ms

Loss rate: 9.30%

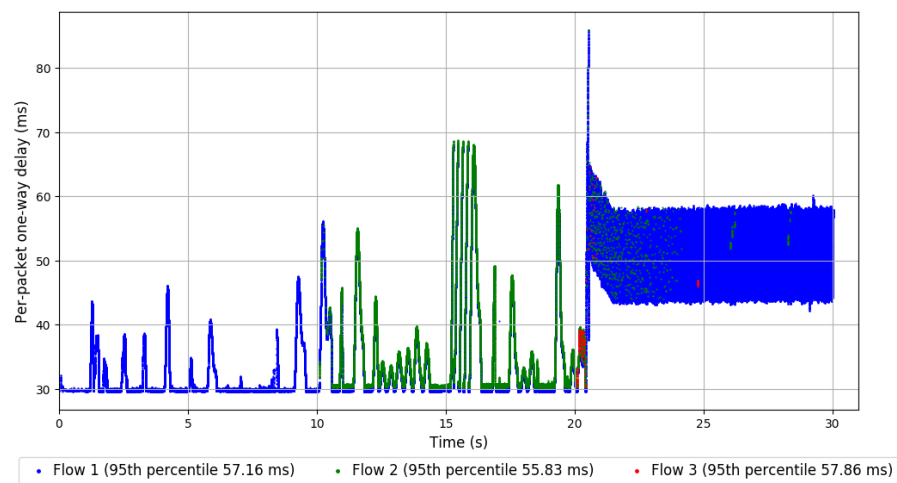
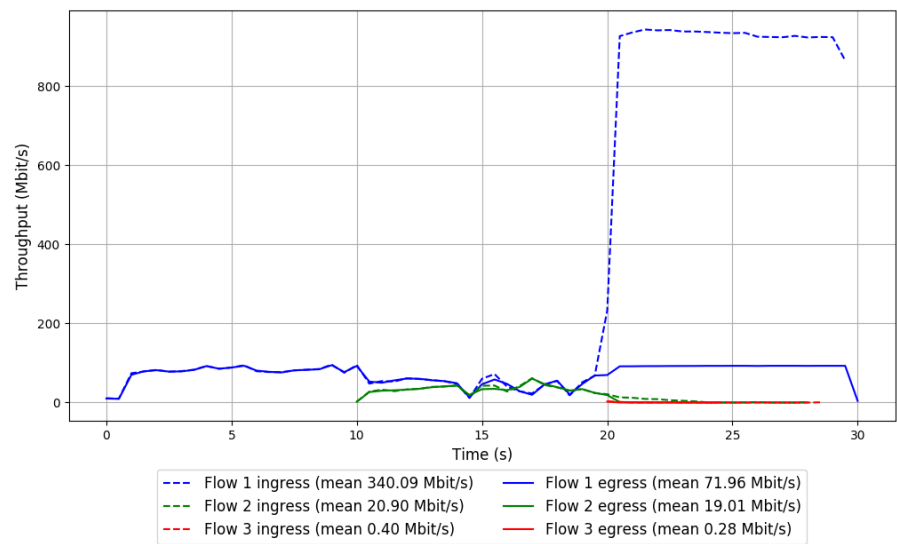
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 57.860 ms

Loss rate: 62.37%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-03-06 16:51:43

End at: 2018-03-06 16:52:13

Local clock offset: 0.71 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-03-06 21:11:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 57.593 ms

Loss rate: 89.62%

-- Flow 1:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 57.593 ms

Loss rate: 89.61%

-- Flow 2:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 56.976 ms

Loss rate: 96.65%

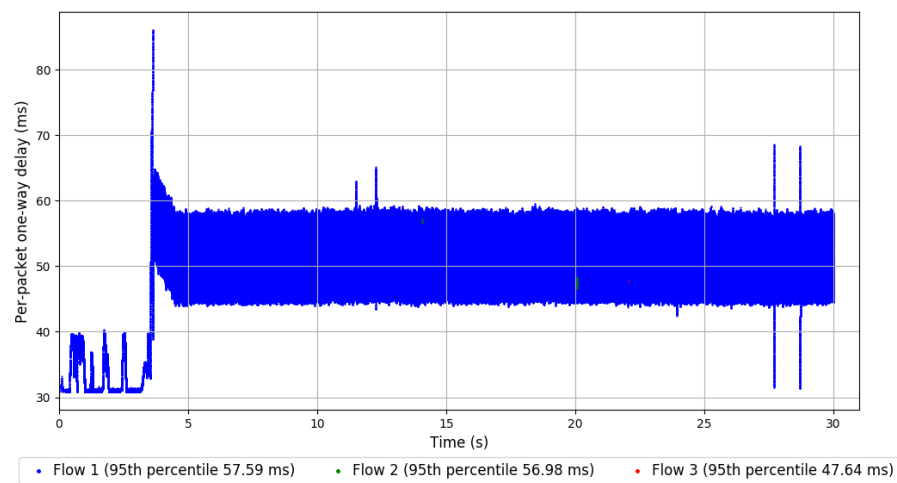
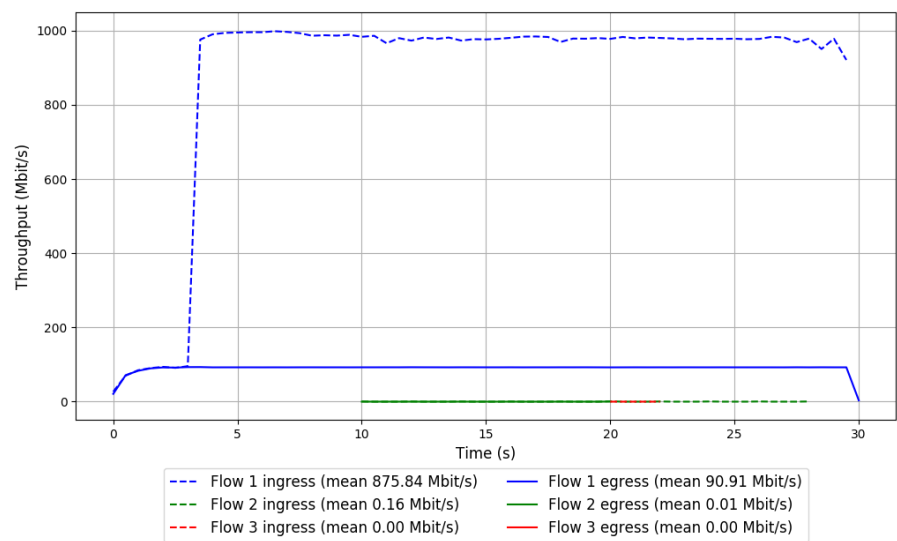
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 47.642 ms

Loss rate: 50.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-03-06 17:18:01

End at: 2018-03-06 17:18:31

Local clock offset: 0.5 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2018-03-06 21:11:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.05 Mbit/s

95th percentile per-packet one-way delay: 57.906 ms

Loss rate: 89.06%

-- Flow 1:

Average throughput: 86.05 Mbit/s

95th percentile per-packet one-way delay: 57.906 ms

Loss rate: 89.06%

-- Flow 2:

Average throughput: 0.00 Mbit/s

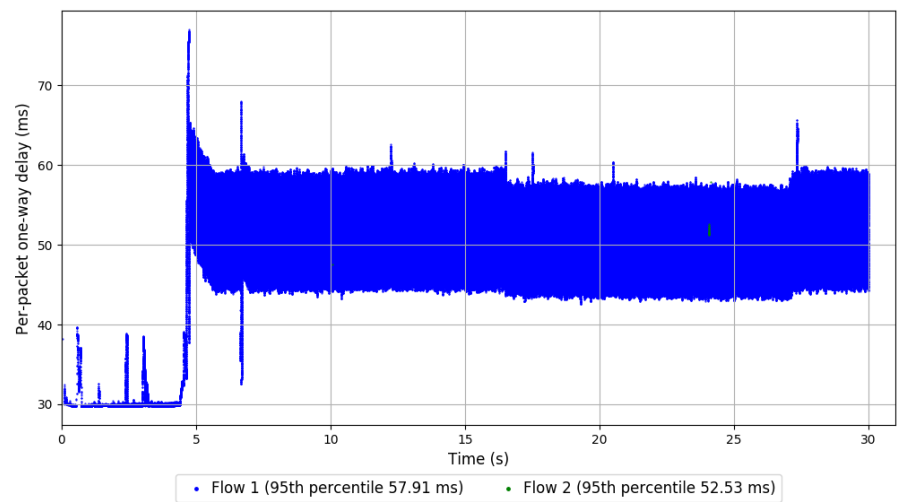
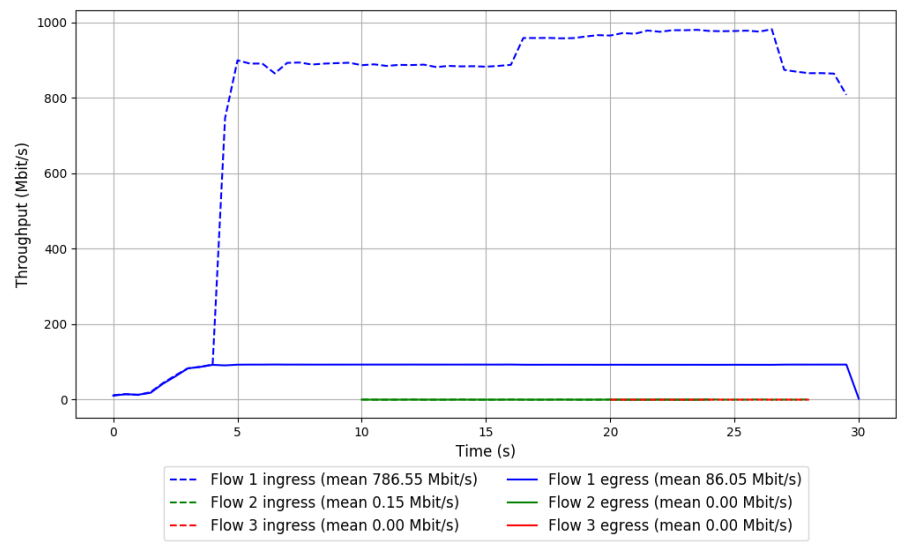
95th percentile per-packet one-way delay: 52.527 ms

Loss rate: 97.92%

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 4: Report of Copa — Data Link

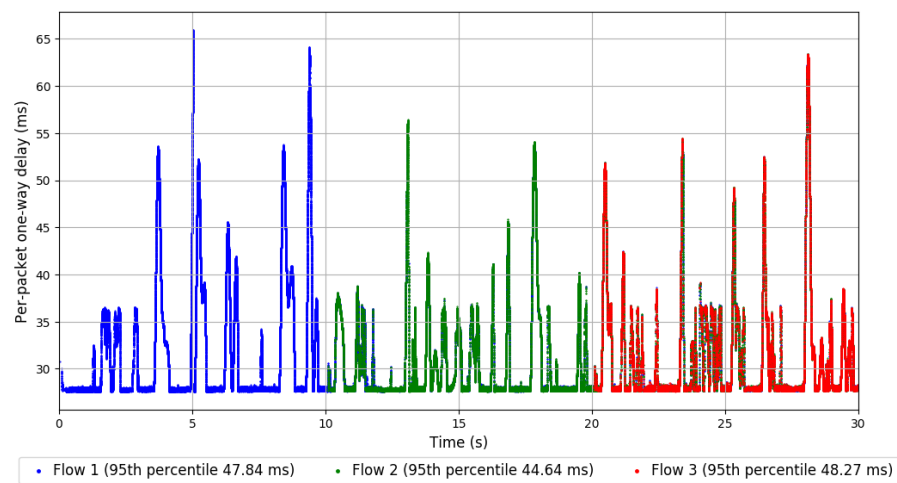
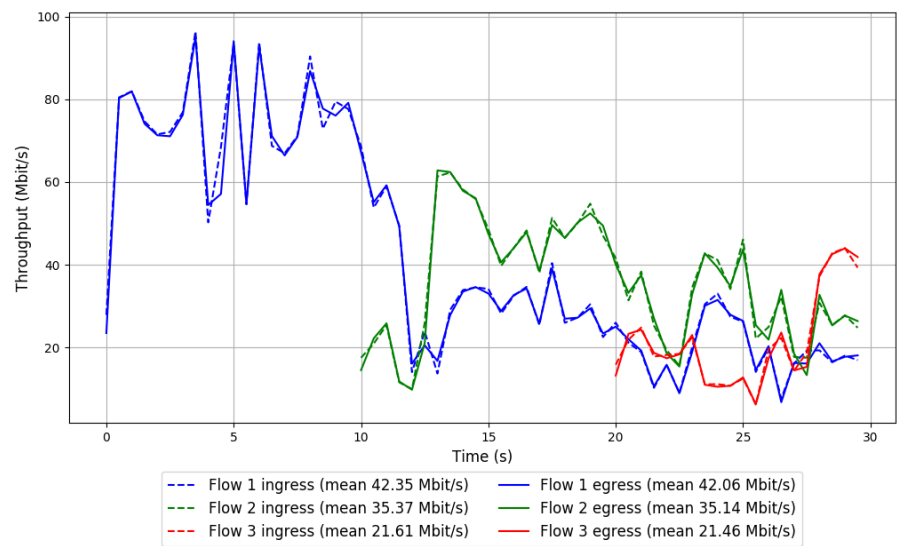


Run 5: Statistics of Copa

Start at: 2018-03-06 17:44:38
End at: 2018-03-06 17:45:08
Local clock offset: 0.128 ms
Remote clock offset: -3.899 ms

Below is generated by plot.py at 2018-03-06 21:11:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.58 Mbit/s
95th percentile per-packet one-way delay: 46.856 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 42.06 Mbit/s
95th percentile per-packet one-way delay: 47.838 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 44.643 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 48.270 ms
Loss rate: 0.72%

Run 5: Report of Copa — Data Link

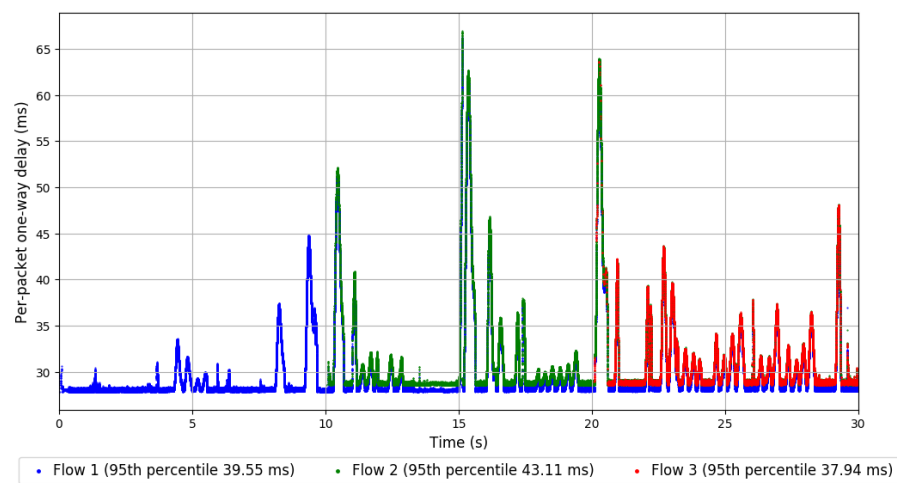
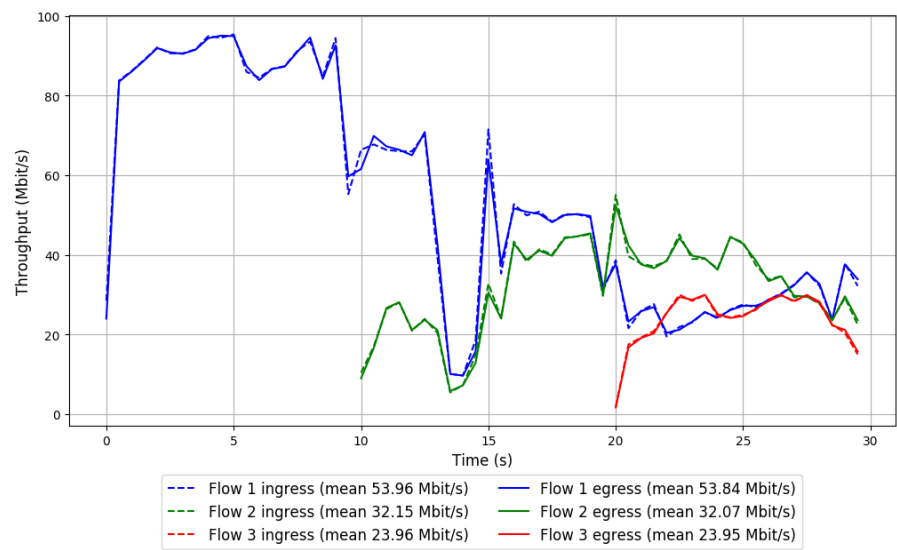


Run 6: Statistics of Copa

Start at: 2018-03-06 18:10:53
End at: 2018-03-06 18:11:23
Local clock offset: 0.006 ms
Remote clock offset: -6.415 ms

Below is generated by plot.py at 2018-03-06 21:11:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 40.346 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 39.552 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 43.112 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 37.936 ms
Loss rate: 0.04%

Run 6: Report of Copa — Data Link

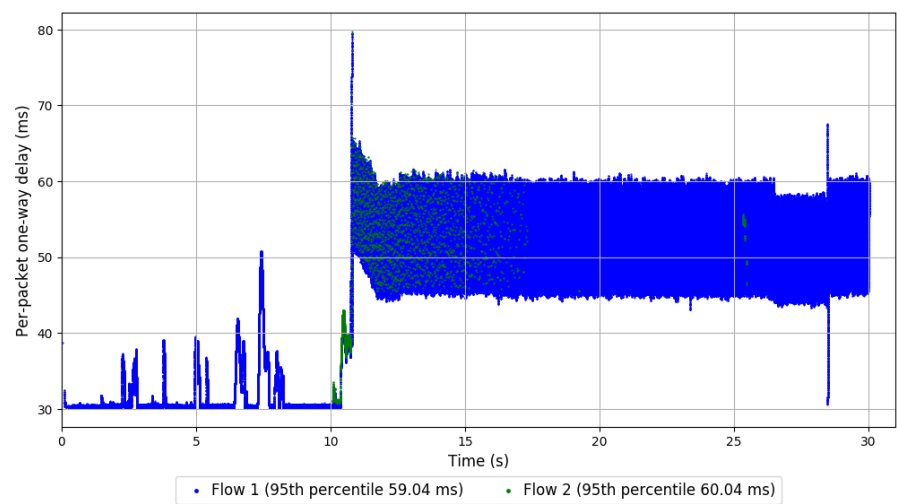
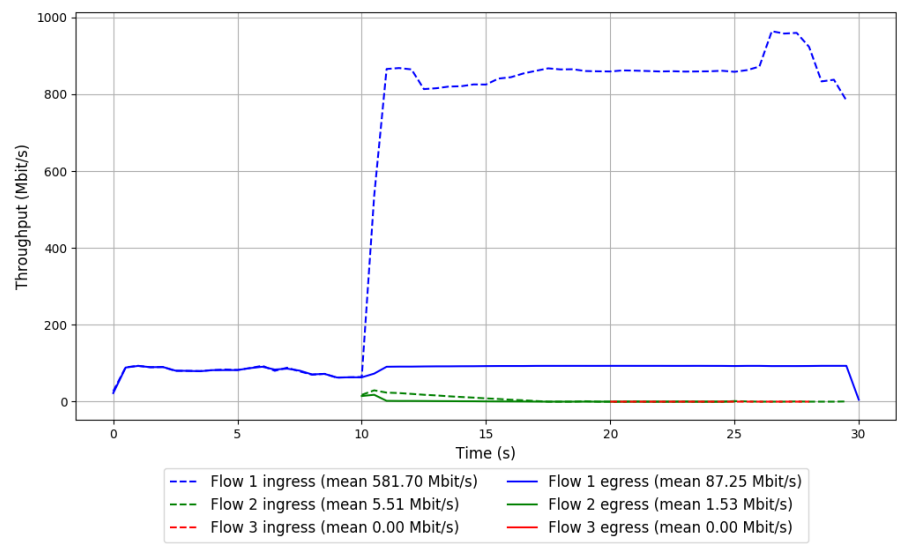


Run 7: Statistics of Copa

Start at: 2018-03-06 18:36:46
End at: 2018-03-06 18:37:16
Local clock offset: 0.812 ms
Remote clock offset: -1.719 ms

```
# Below is generated by plot.py at 2018-03-06 21:11:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 59.045 ms
Loss rate: 84.95%
-- Flow 1:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 59.040 ms
Loss rate: 84.99%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 60.040 ms
Loss rate: 78.05%
-- Flow 3:
Average throughput: 0.00 Mbit/s
```

Run 7: Report of Copa — Data Link

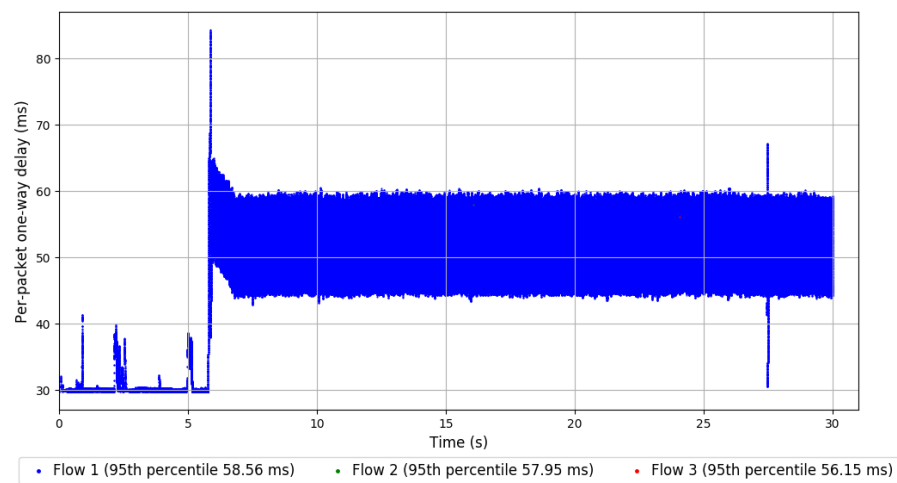
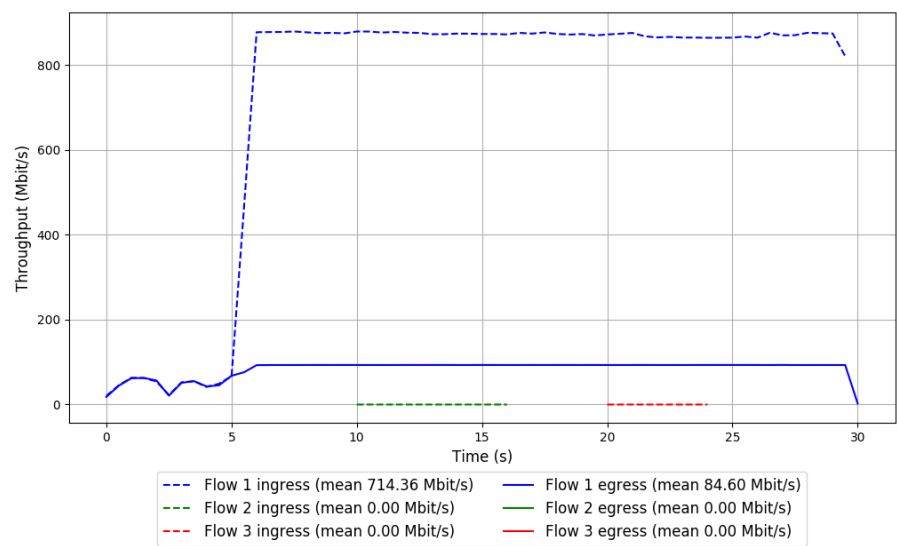


Run 8: Statistics of Copa

Start at: 2018-03-06 19:03:27
End at: 2018-03-06 19:03:57
Local clock offset: 0.877 ms
Remote clock offset: -4.718 ms

Below is generated by plot.py at 2018-03-06 21:11:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 58.557 ms
Loss rate: 88.15%
-- Flow 1:
Average throughput: 84.60 Mbit/s
95th percentile per-packet one-way delay: 58.557 ms
Loss rate: 88.15%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 57.955 ms
Loss rate: 75.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 56.152 ms
Loss rate: 66.67%

Run 8: Report of Copa — Data Link

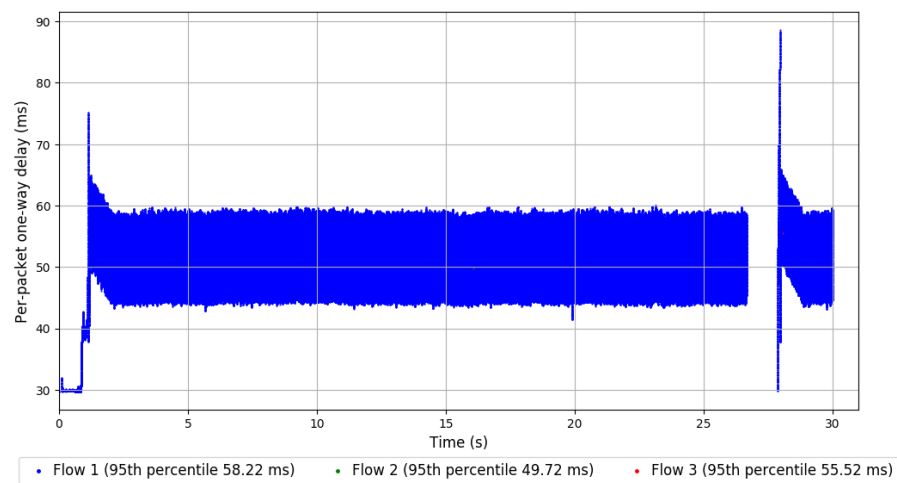
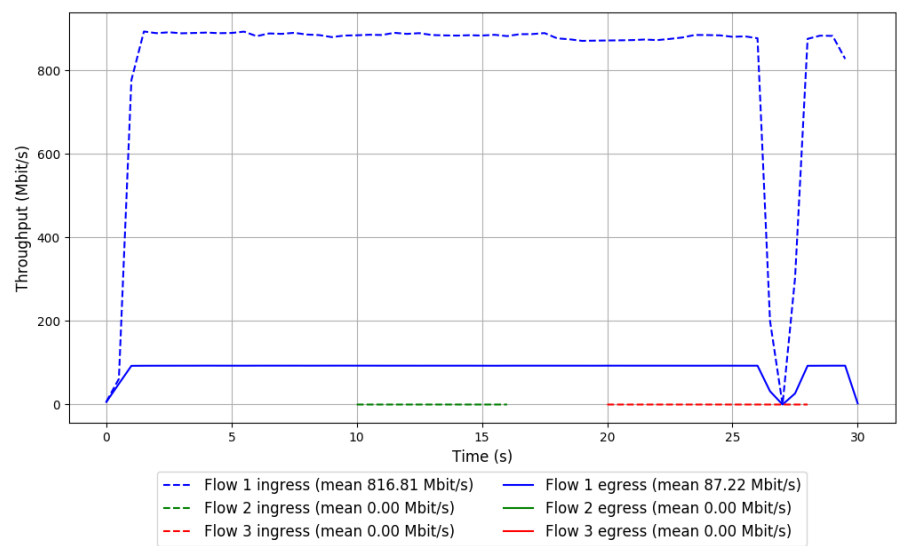


Run 9: Statistics of Copa

Start at: 2018-03-06 19:31:27
End at: 2018-03-06 19:31:57
Local clock offset: 0.76 ms
Remote clock offset: -5.377 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 58.215 ms
Loss rate: 89.32%
-- Flow 1:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 58.215 ms
Loss rate: 89.32%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 49.717 ms
Loss rate: 75.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 55.520 ms
Loss rate: 80.00%

Run 9: Report of Copa — Data Link

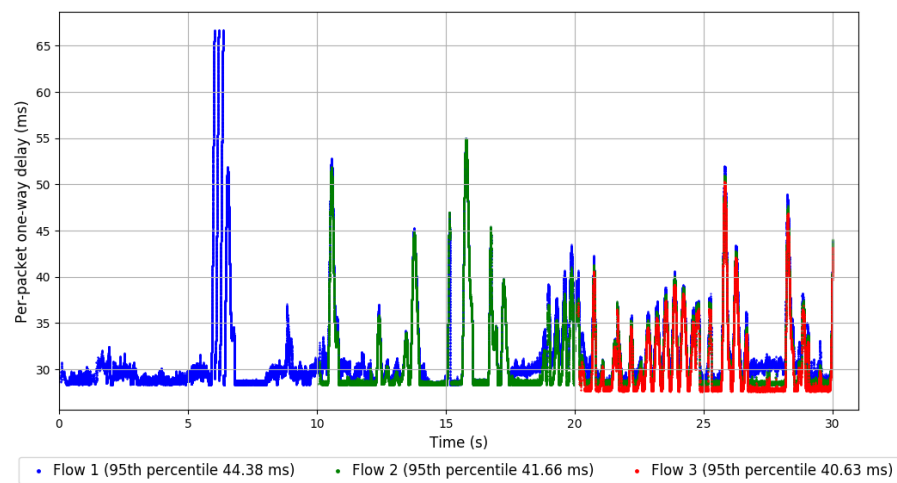
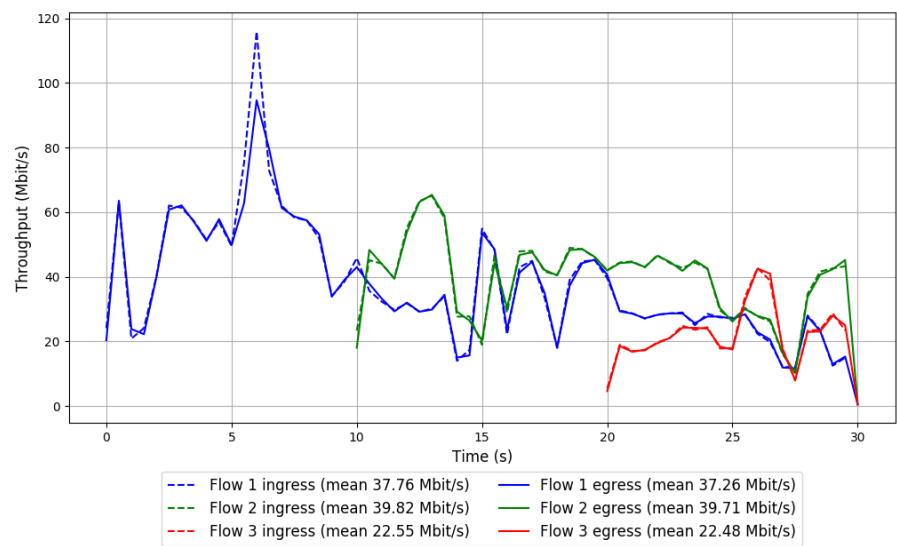


Run 10: Statistics of Copa

Start at: 2018-03-06 19:59:10
End at: 2018-03-06 19:59:40
Local clock offset: 0.859 ms
Remote clock offset: -7.527 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.17 Mbit/s
95th percentile per-packet one-way delay: 42.740 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 44.380 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 41.659 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 22.48 Mbit/s
95th percentile per-packet one-way delay: 40.635 ms
Loss rate: 0.23%

Run 10: Report of Copa — Data Link

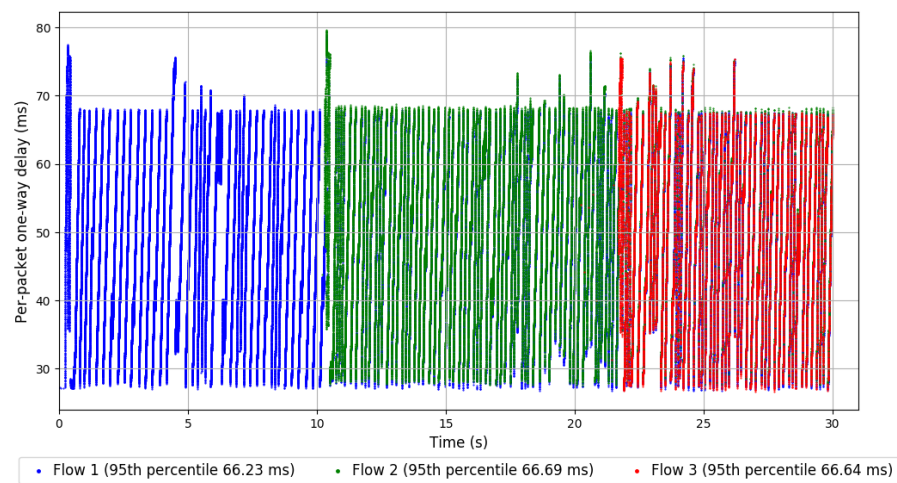
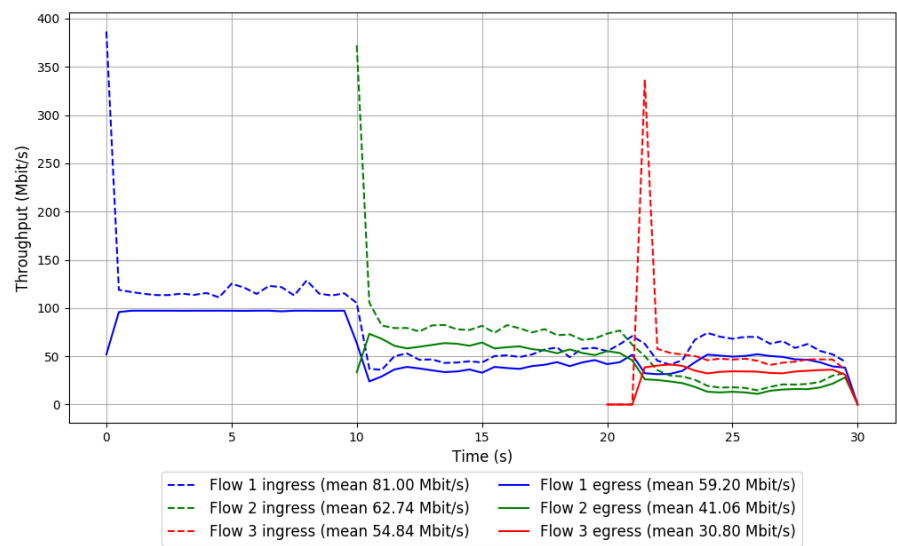


Run 1: Statistics of FillP

Start at: 2018-03-06 15:57:59
End at: 2018-03-06 15:58:29
Local clock offset: 0.812 ms
Remote clock offset: -13.91 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 66.412 ms
Loss rate: 31.43%
-- Flow 1:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 66.228 ms
Loss rate: 26.84%
-- Flow 2:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 66.691 ms
Loss rate: 34.56%
-- Flow 3:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 66.645 ms
Loss rate: 44.68%

Run 1: Report of FillP — Data Link

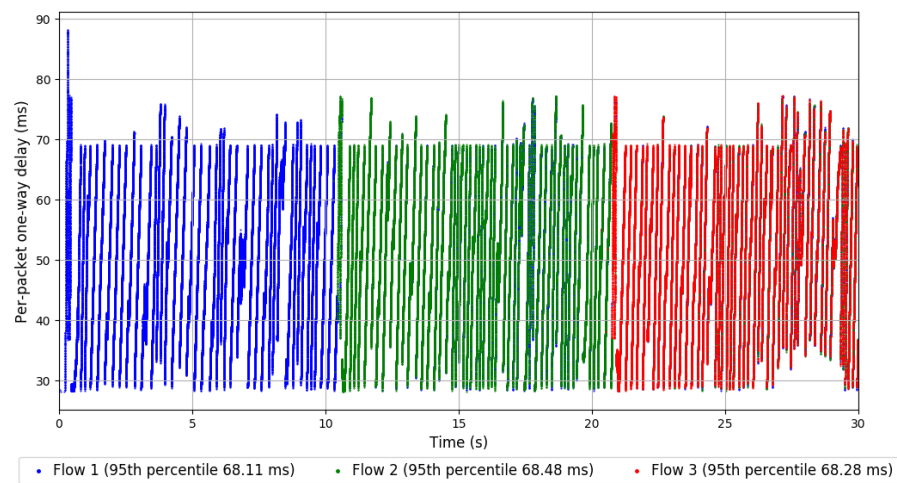
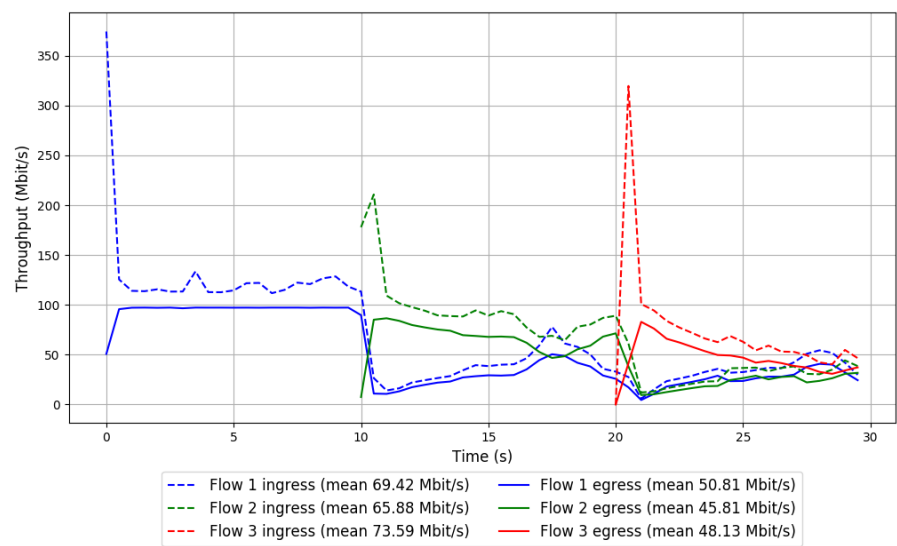


Run 2: Statistics of FillP

Start at: 2018-03-06 16:23:28
End at: 2018-03-06 16:23:58
Local clock offset: 0.766 ms
Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 68.250 ms
Loss rate: 29.90%
-- Flow 1:
Average throughput: 50.81 Mbit/s
95th percentile per-packet one-way delay: 68.110 ms
Loss rate: 26.79%
-- Flow 2:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 68.479 ms
Loss rate: 31.04%
-- Flow 3:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 68.284 ms
Loss rate: 36.72%

Run 2: Report of FillP — Data Link

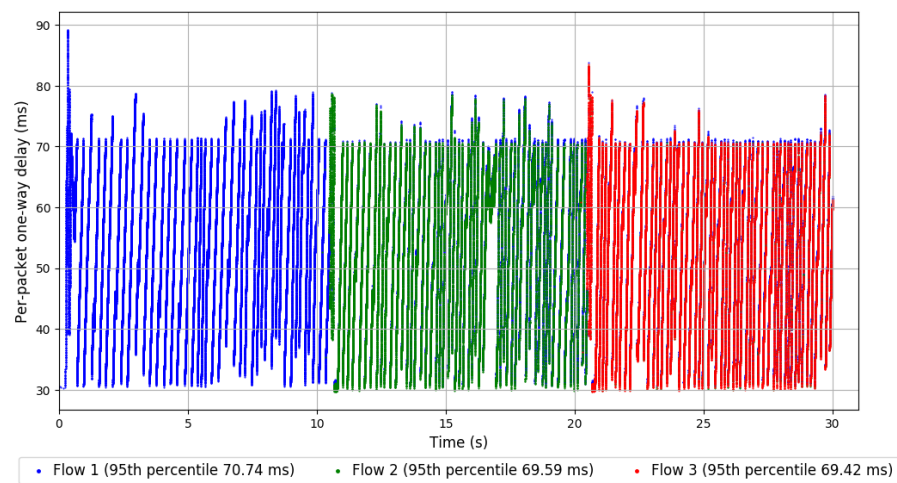
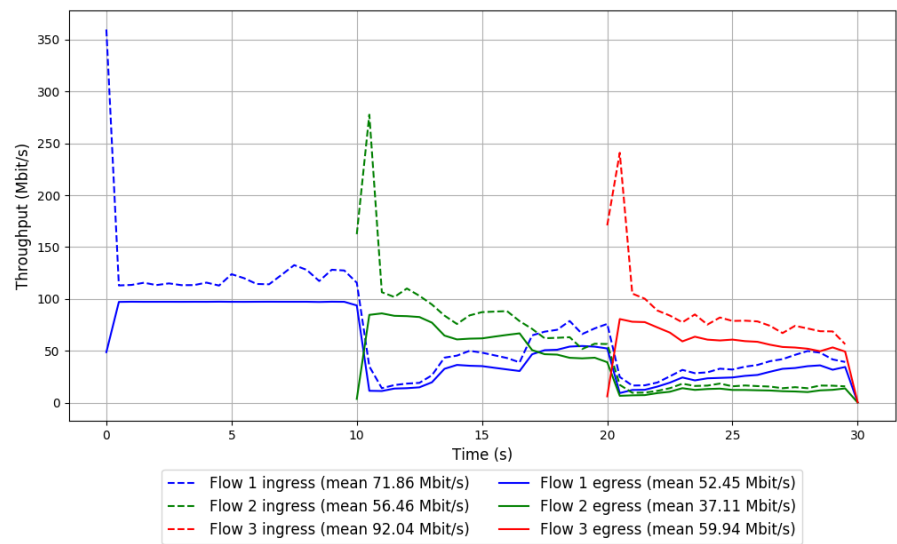


Run 3: Statistics of FillP

Start at: 2018-03-06 16:49:01
End at: 2018-03-06 16:49:31
Local clock offset: 0.798 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 70.193 ms
Loss rate: 30.98%
-- Flow 1:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 70.743 ms
Loss rate: 26.94%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 69.589 ms
Loss rate: 34.74%
-- Flow 3:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 69.417 ms
Loss rate: 35.88%

Run 3: Report of FillP — Data Link

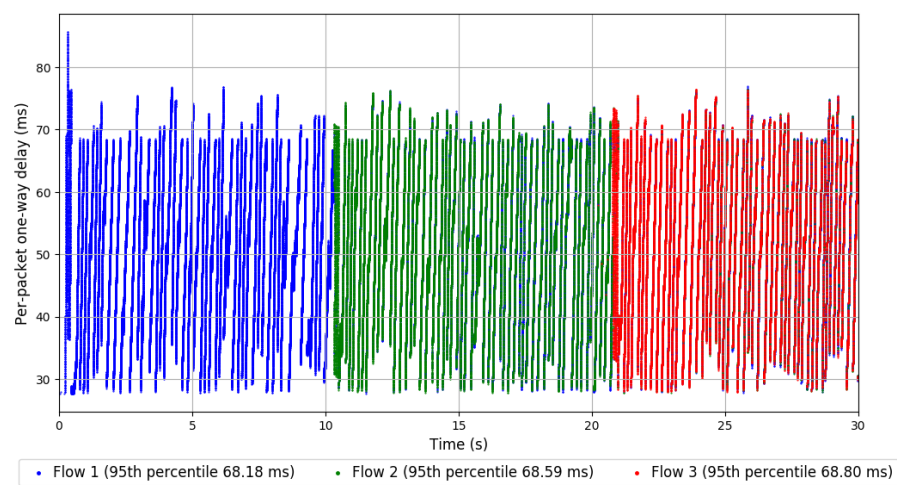
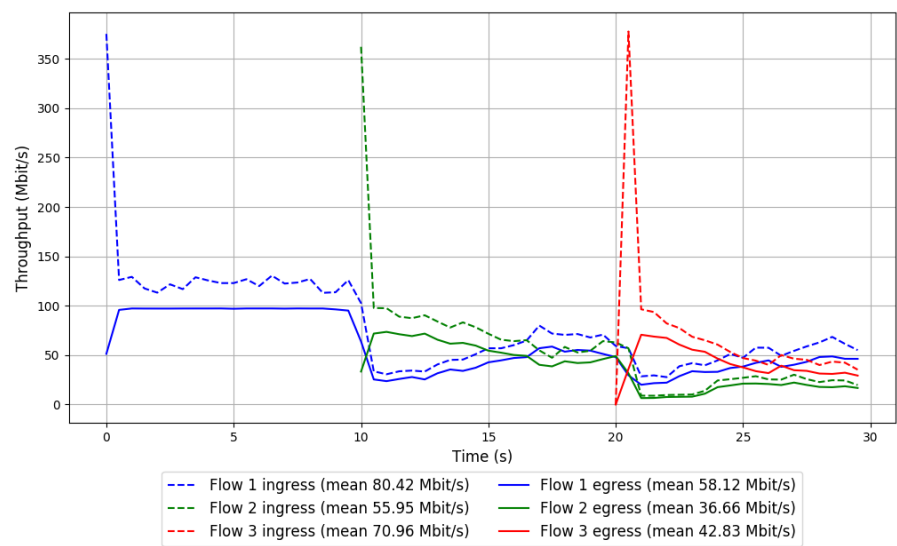


Run 4: Statistics of FillP

Start at: 2018-03-06 17:15:15
End at: 2018-03-06 17:15:45
Local clock offset: 0.624 ms
Remote clock offset: -2.483 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 68.355 ms
Loss rate: 31.68%
-- Flow 1:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 68.180 ms
Loss rate: 27.72%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 68.594 ms
Loss rate: 34.51%
-- Flow 3:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 68.802 ms
Loss rate: 40.73%

Run 4: Report of FillP — Data Link

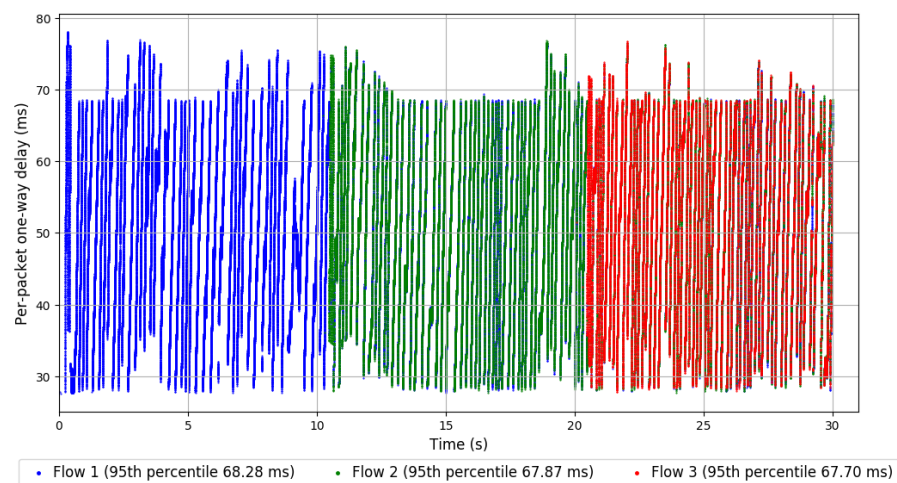
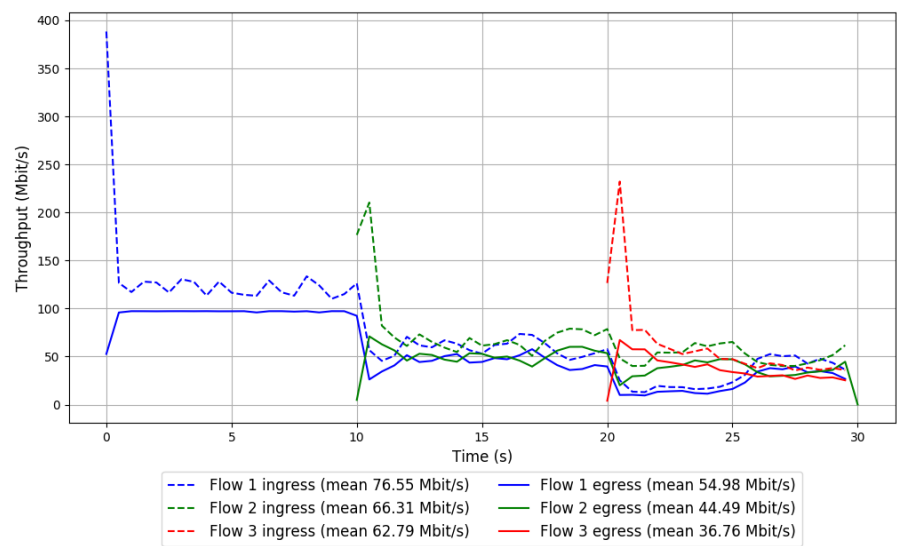


Run 5: Statistics of FillP

Start at: 2018-03-06 17:41:46
End at: 2018-03-06 17:42:16
Local clock offset: 0.175 ms
Remote clock offset: -3.367 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 68.059 ms
Loss rate: 31.72%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 68.281 ms
Loss rate: 28.09%
-- Flow 2:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 67.866 ms
Loss rate: 33.43%
-- Flow 3:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 67.698 ms
Loss rate: 41.45%

Run 5: Report of FillP — Data Link

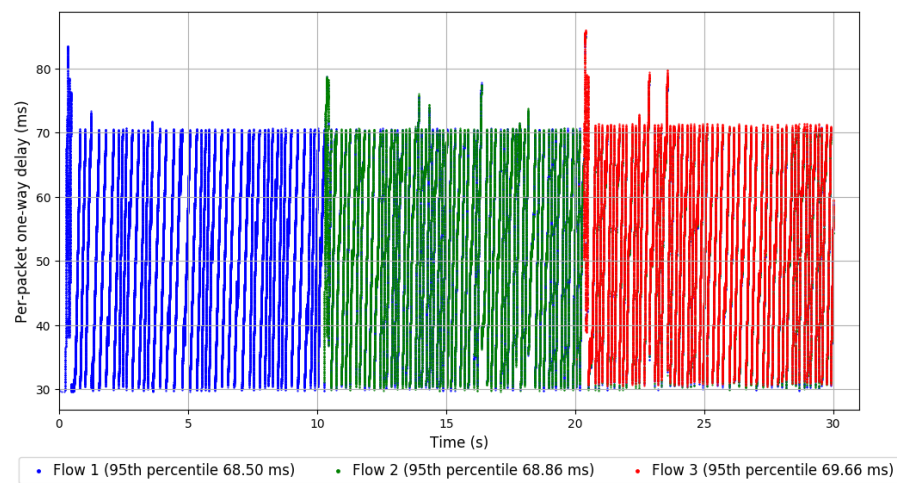
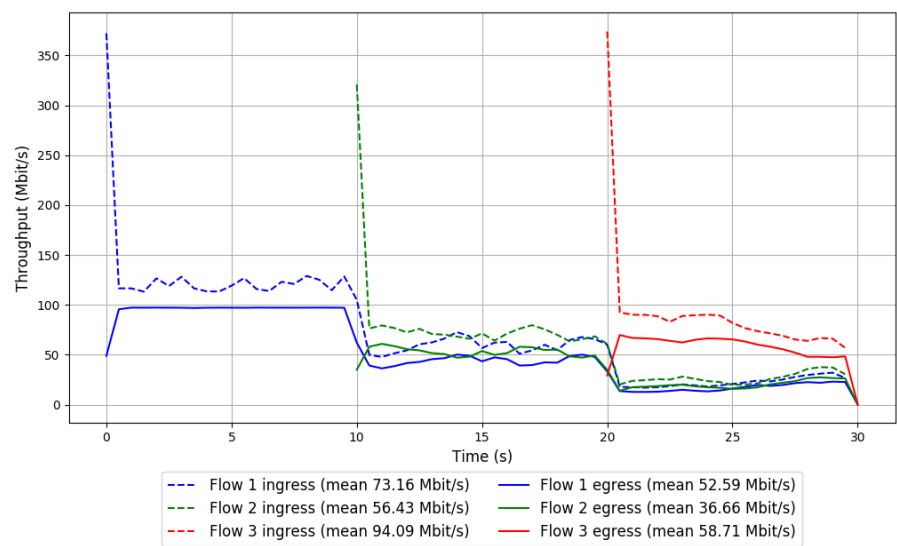


Run 6: Statistics of FillP

Start at: 2018-03-06 18:08:02
End at: 2018-03-06 18:08:32
Local clock offset: -0.119 ms
Remote clock offset: -4.236 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 68.840 ms
Loss rate: 31.95%
-- Flow 1:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 68.504 ms
Loss rate: 28.05%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 68.864 ms
Loss rate: 34.97%
-- Flow 3:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 69.655 ms
Loss rate: 37.45%

Run 6: Report of FillP — Data Link

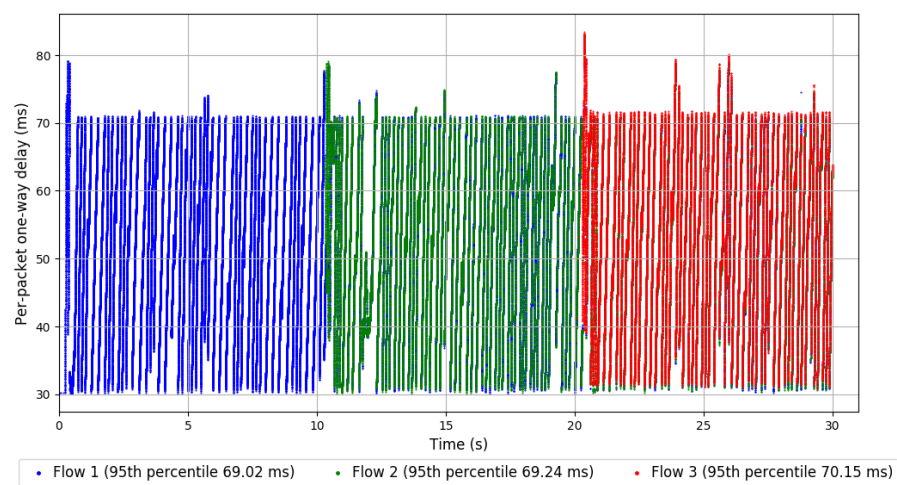
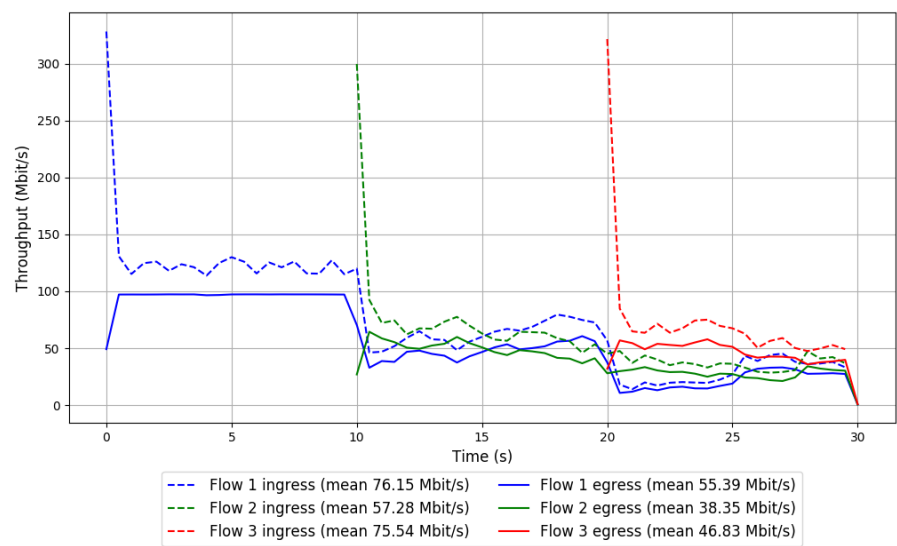


Run 7: Statistics of FillP

Start at: 2018-03-06 18:33:51
End at: 2018-03-06 18:34:21
Local clock offset: 0.729 ms
Remote clock offset: -1.798 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 69.256 ms
Loss rate: 30.71%
-- Flow 1:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 69.018 ms
Loss rate: 27.19%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 69.236 ms
Loss rate: 33.06%
-- Flow 3:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 70.151 ms
Loss rate: 37.86%

Run 7: Report of FillP — Data Link

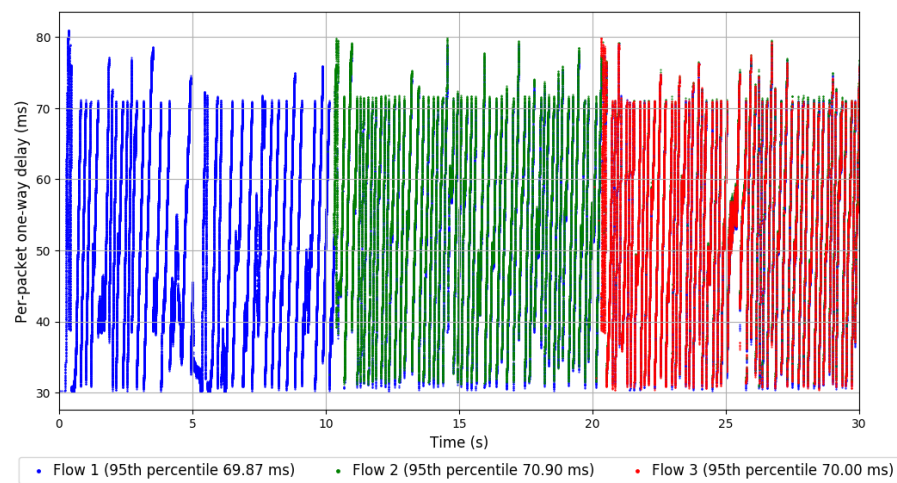
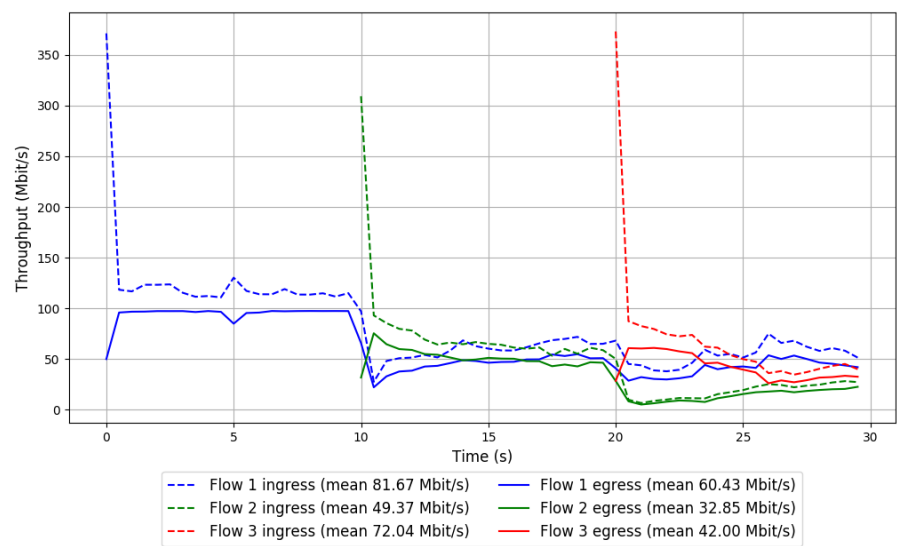


Run 8: Statistics of FillP

Start at: 2018-03-06 19:00:33
End at: 2018-03-06 19:01:03
Local clock offset: 0.885 ms
Remote clock offset: -3.938 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 70.142 ms
Loss rate: 30.48%
-- Flow 1:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 69.872 ms
Loss rate: 25.96%
-- Flow 2:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 70.896 ms
Loss rate: 33.51%
-- Flow 3:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 70.002 ms
Loss rate: 41.76%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-03-06 19:28:18

End at: 2018-03-06 19:28:48

Local clock offset: 0.788 ms

Remote clock offset: -5.11 ms

Below is generated by plot.py at 2018-03-06 21:13:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 70.720 ms

Loss rate: 32.77%

-- Flow 1:

Average throughput: 55.57 Mbit/s

95th percentile per-packet one-way delay: 70.825 ms

Loss rate: 28.79%

-- Flow 2:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 70.210 ms

Loss rate: 36.17%

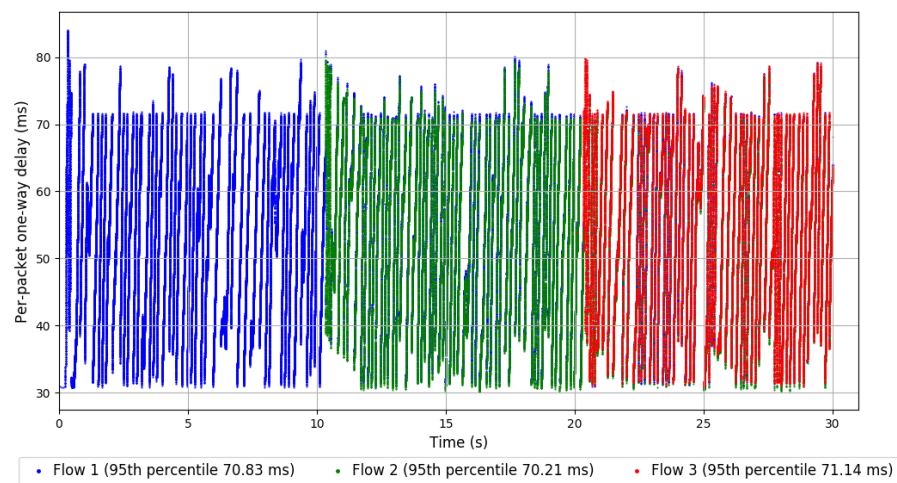
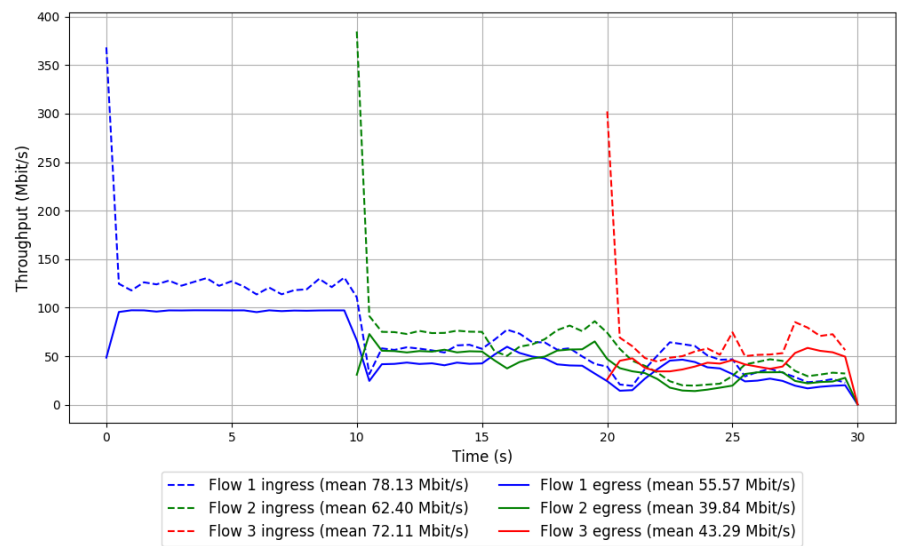
-- Flow 3:

Average throughput: 43.29 Mbit/s

95th percentile per-packet one-way delay: 71.143 ms

Loss rate: 39.88%

Run 9: Report of FillP — Data Link

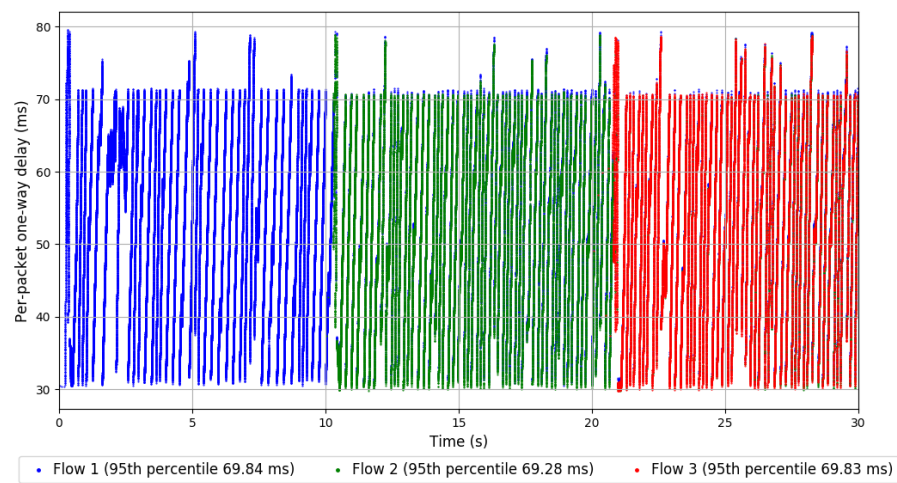
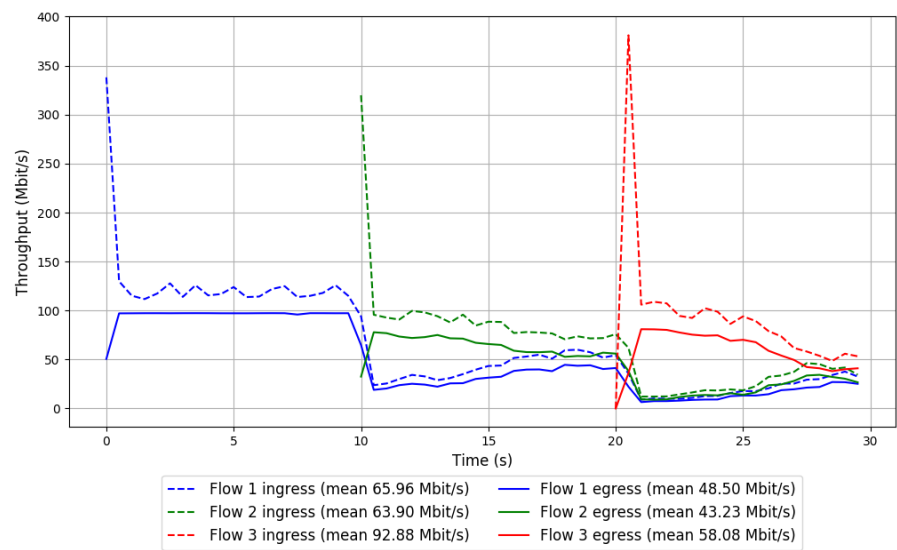


Run 10: Statistics of FillP

Start at: 2018-03-06 19:56:15
End at: 2018-03-06 19:56:45
Local clock offset: 0.801 ms
Remote clock offset: -5.657 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 69.662 ms
Loss rate: 30.72%
-- Flow 1:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 69.836 ms
Loss rate: 26.47%
-- Flow 2:
Average throughput: 43.23 Mbit/s
95th percentile per-packet one-way delay: 69.275 ms
Loss rate: 32.35%
-- Flow 3:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 69.828 ms
Loss rate: 37.56%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-03-06 15:56:29

End at: 2018-03-06 15:56:59

Local clock offset: 0.792 ms

Remote clock offset: -11.778 ms

Below is generated by plot.py at 2018-03-06 21:13:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.10 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 61.46 Mbit/s

95th percentile per-packet one-way delay: 44.685 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 47.873 ms

Loss rate: 0.13%

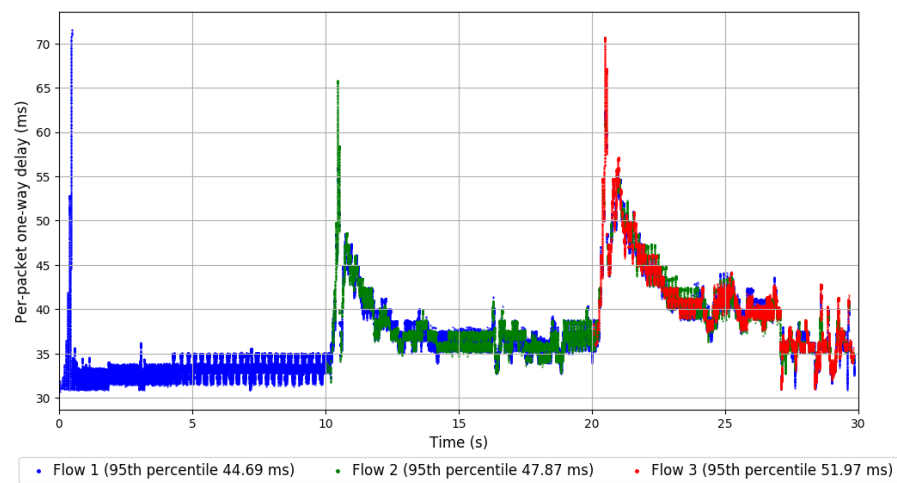
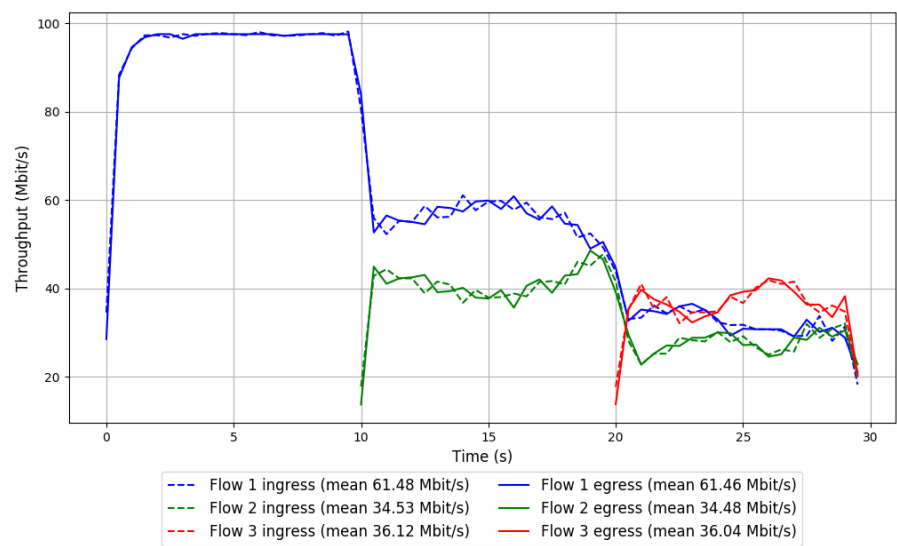
-- Flow 3:

Average throughput: 36.04 Mbit/s

95th percentile per-packet one-way delay: 51.966 ms

Loss rate: 0.24%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-03-06 16:21:56

End at: 2018-03-06 16:22:26

Local clock offset: 0.72 ms

Remote clock offset: 0.551 ms

Below is generated by plot.py at 2018-03-06 21:13:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 42.766 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 62.90 Mbit/s

95th percentile per-packet one-way delay: 40.564 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 44.091 ms

Loss rate: 0.10%

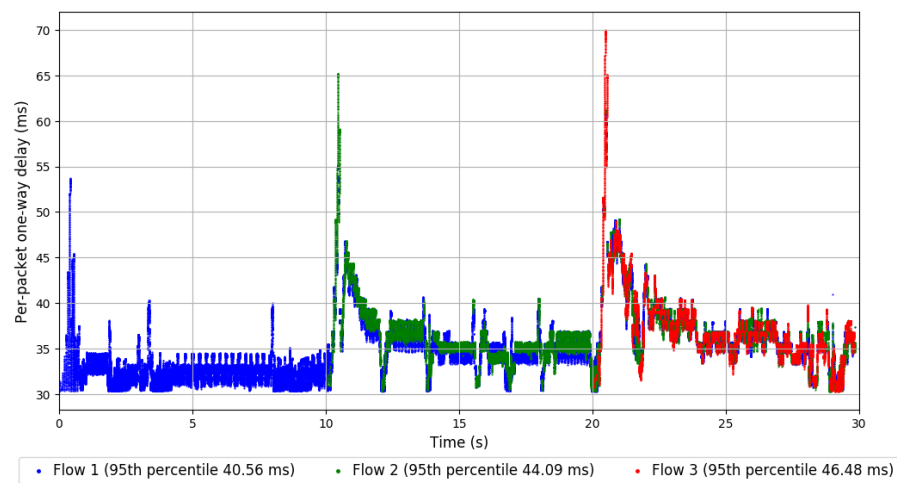
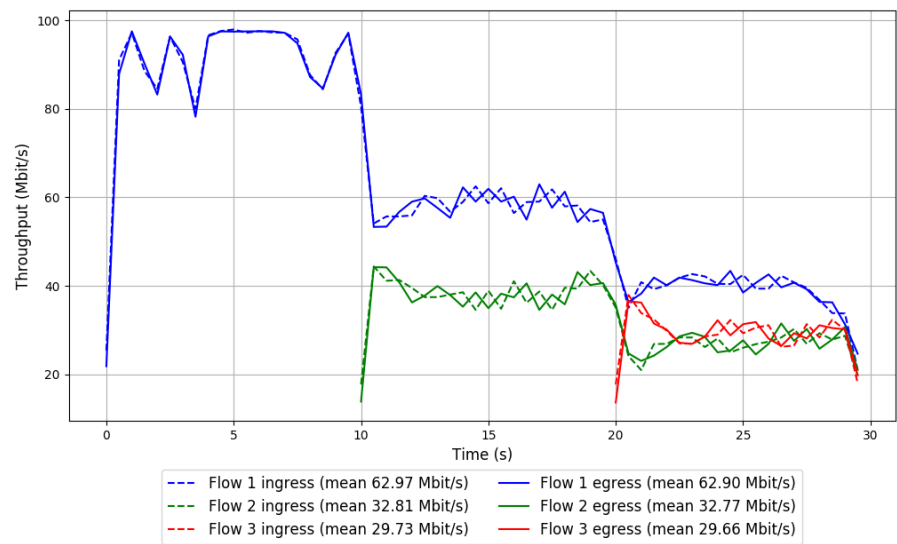
-- Flow 3:

Average throughput: 29.66 Mbit/s

95th percentile per-packet one-way delay: 46.485 ms

Loss rate: 0.20%

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

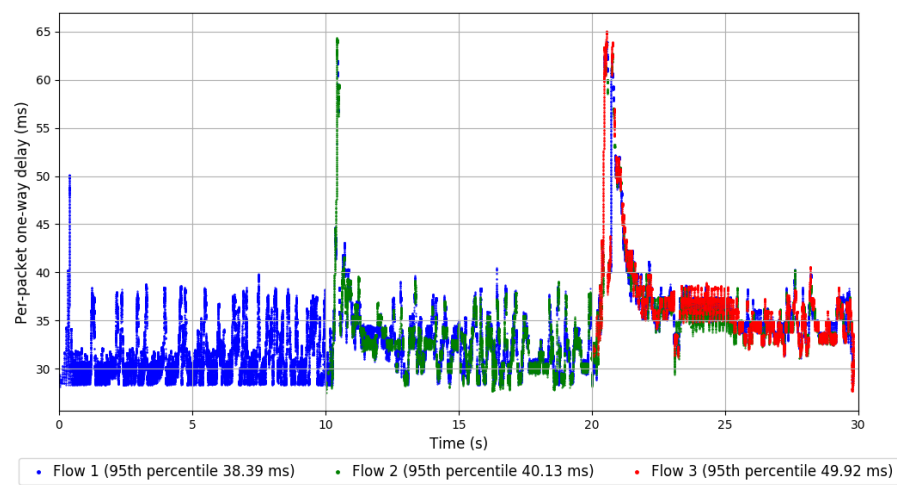
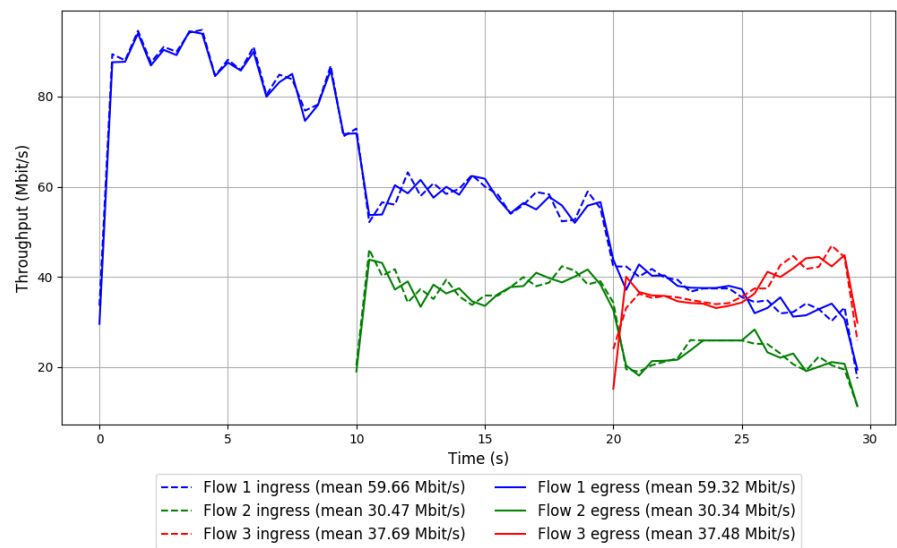


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-06 16:47:38
End at: 2018-03-06 16:48:08
Local clock offset: 0.695 ms
Remote clock offset: -2.337 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 40.162 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 38.391 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 40.128 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 49.921 ms
Loss rate: 0.55%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-06 17:13:47

End at: 2018-03-06 17:14:17

Local clock offset: 0.578 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-03-06 21:13:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.55 Mbit/s

95th percentile per-packet one-way delay: 41.659 ms

Loss rate: 1.60%

-- Flow 1:

Average throughput: 49.18 Mbit/s

95th percentile per-packet one-way delay: 40.627 ms

Loss rate: 2.17%

-- Flow 2:

Average throughput: 30.38 Mbit/s

95th percentile per-packet one-way delay: 42.213 ms

Loss rate: 0.85%

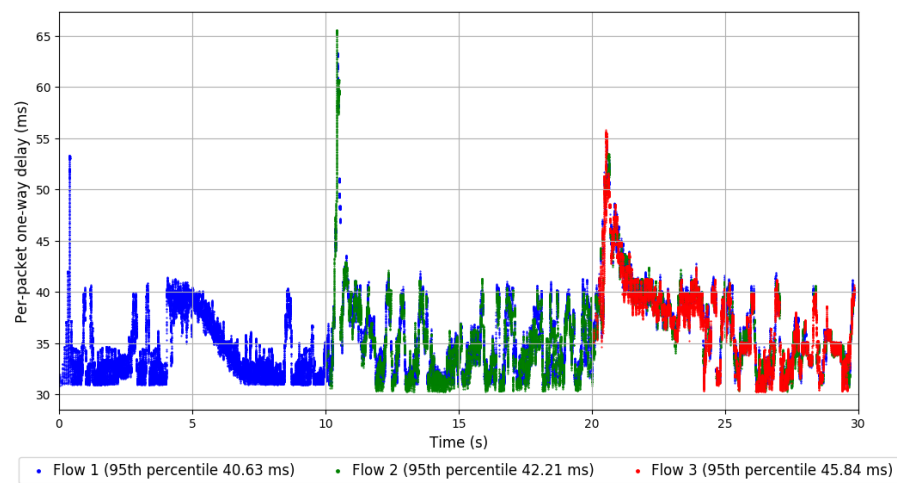
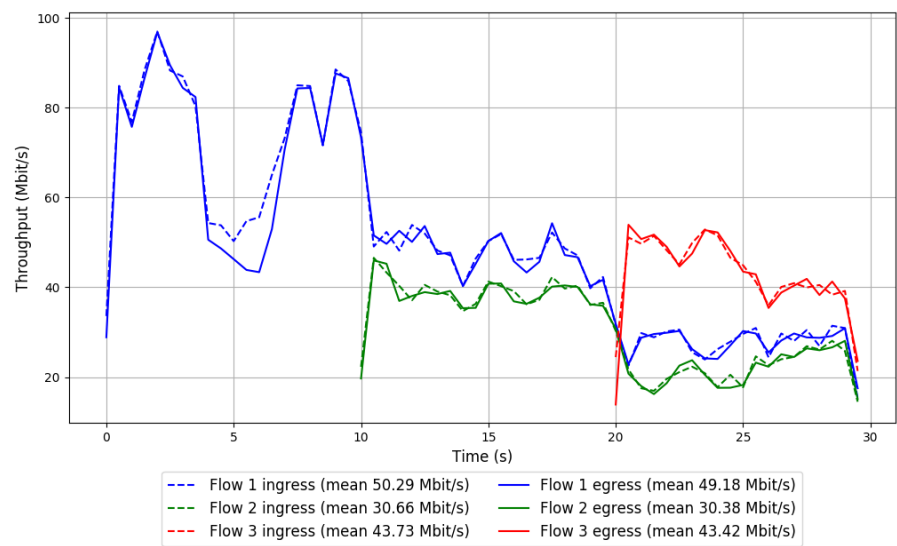
-- Flow 3:

Average throughput: 43.42 Mbit/s

95th percentile per-packet one-way delay: 45.838 ms

Loss rate: 0.64%

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

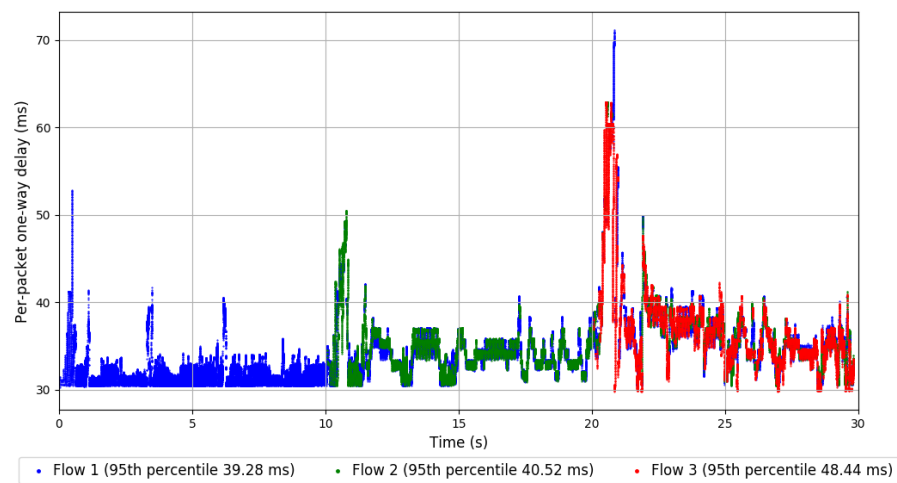
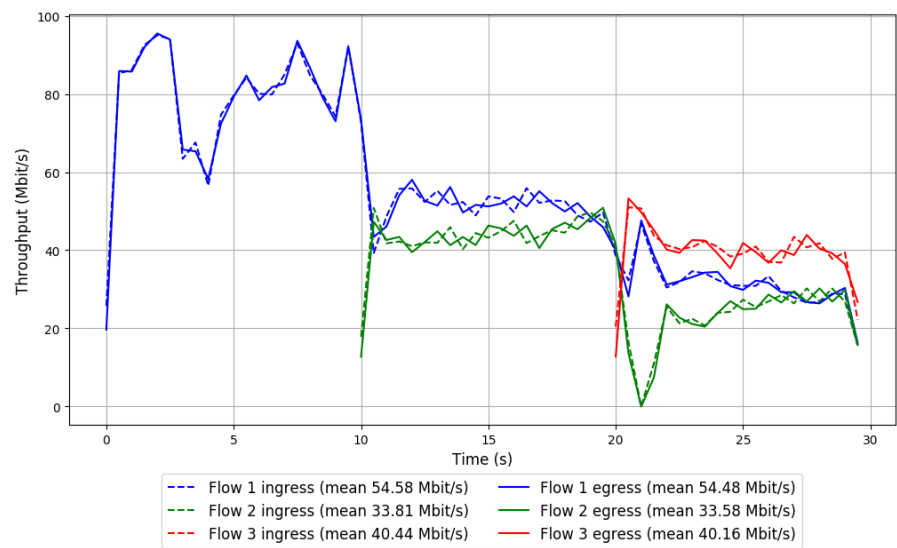


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-06 17:40:13
End at: 2018-03-06 17:40:43
Local clock offset: 0.176 ms
Remote clock offset: -1.048 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 40.422 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 39.276 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 40.515 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 48.436 ms
Loss rate: 0.71%

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

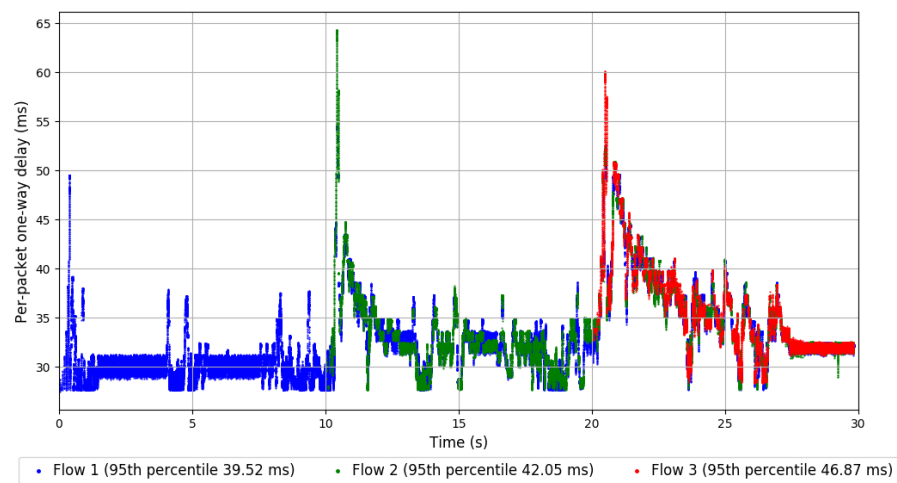
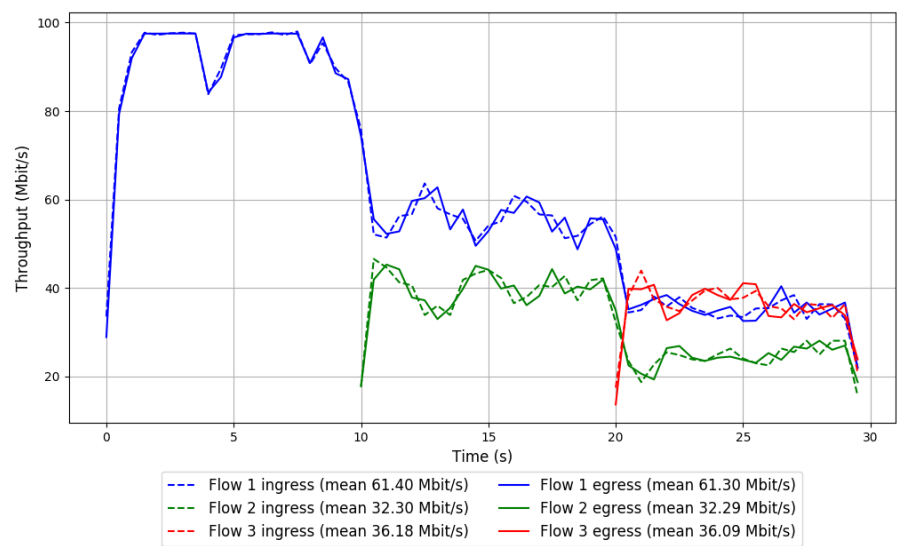


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-06 18:06:25
End at: 2018-03-06 18:06:55
Local clock offset: -0.204 ms
Remote clock offset: -6.212 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 40.968 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 61.30 Mbit/s
95th percentile per-packet one-way delay: 39.522 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 42.045 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 36.09 Mbit/s
95th percentile per-packet one-way delay: 46.868 ms
Loss rate: 0.25%

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

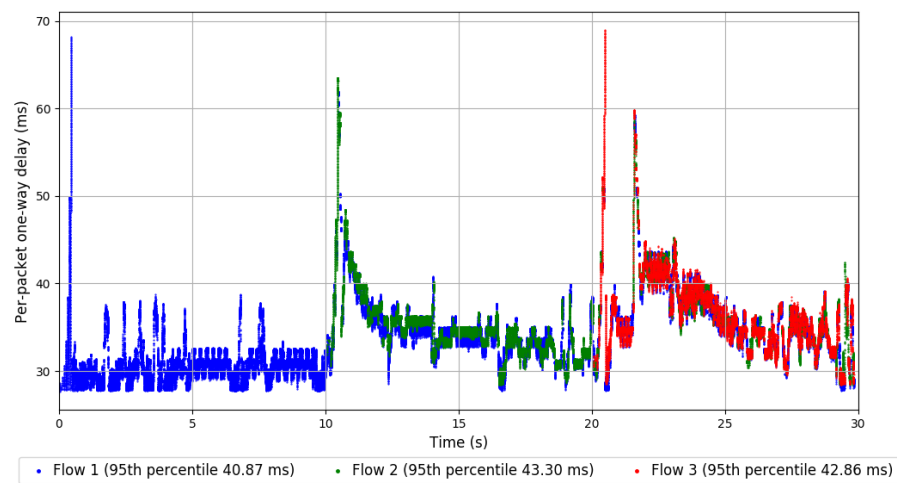
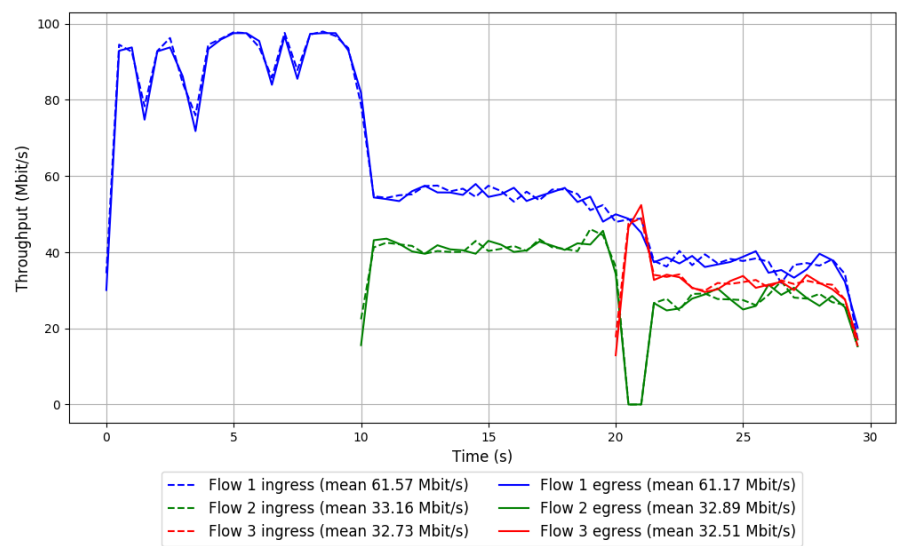


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-06 18:32:22
End at: 2018-03-06 18:32:52
Local clock offset: 0.784 ms
Remote clock offset: -4.125 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 42.096 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 40.874 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 43.296 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 32.51 Mbit/s
95th percentile per-packet one-way delay: 42.863 ms
Loss rate: 0.69%

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

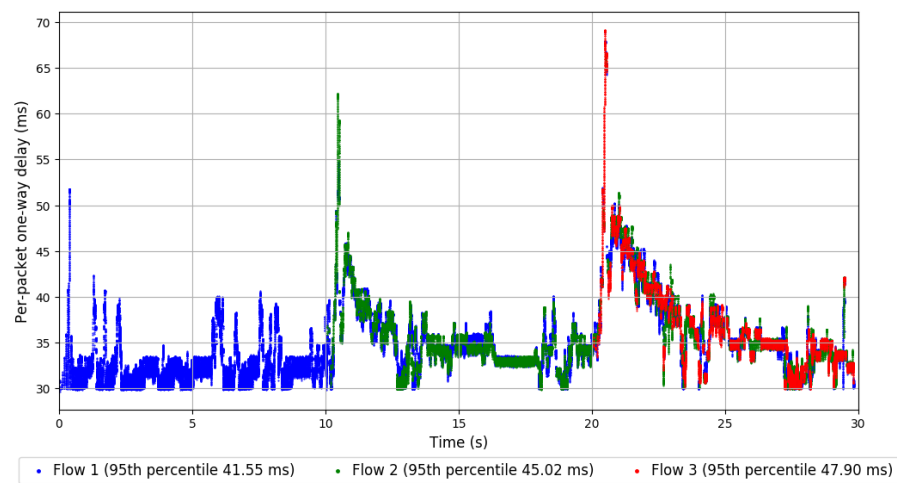
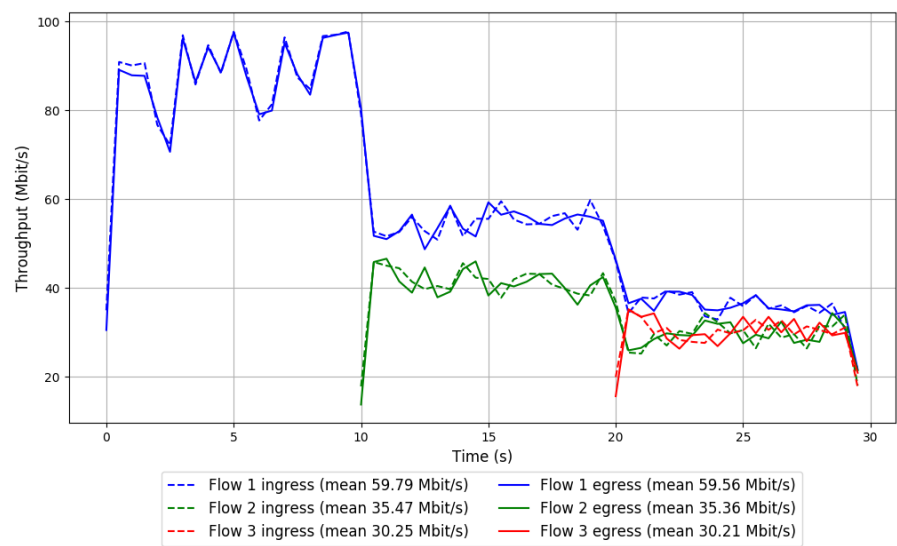


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-06 18:58:58
End at: 2018-03-06 18:59:28
Local clock offset: 0.891 ms
Remote clock offset: -4.002 ms

Below is generated by plot.py at 2018-03-06 21:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 43.841 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 41.555 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 45.017 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 47.899 ms
Loss rate: 0.14%

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

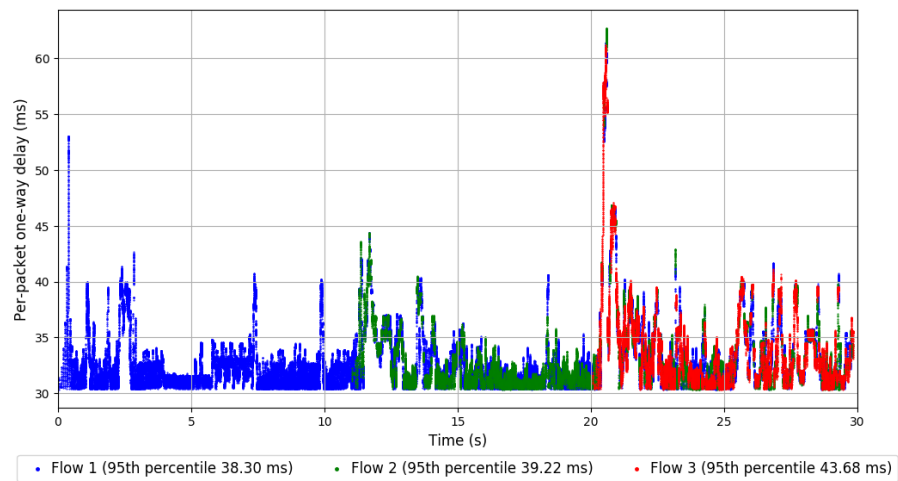
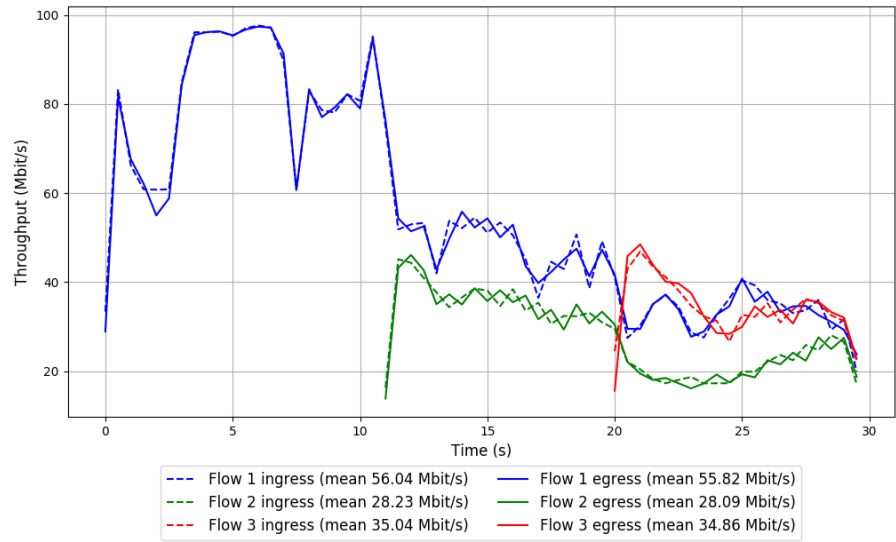


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-06 19:26:38
End at: 2018-03-06 19:27:08
Local clock offset: 0.89 ms
Remote clock offset: -5.535 ms

Below is generated by plot.py at 2018-03-06 21:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 39.077 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 38.305 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 39.217 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 43.681 ms
Loss rate: 0.49%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-06 19:54:40

End at: 2018-03-06 19:55:10

Local clock offset: 0.843 ms

Remote clock offset: -7.63 ms

Below is generated by plot.py at 2018-03-06 21:13:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.47 Mbit/s

95th percentile per-packet one-way delay: 37.199 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 62.30 Mbit/s

95th percentile per-packet one-way delay: 36.925 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 28.04 Mbit/s

95th percentile per-packet one-way delay: 38.027 ms

Loss rate: 0.36%

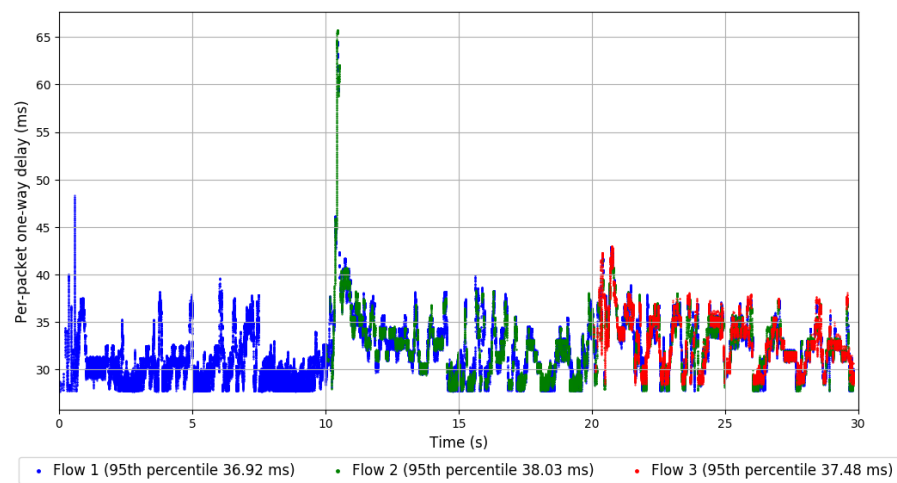
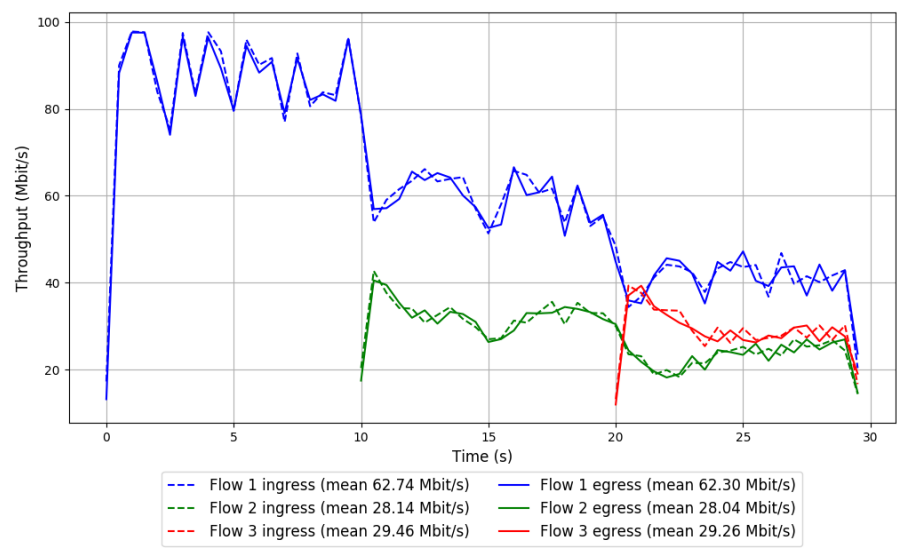
-- Flow 3:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 37.476 ms

Loss rate: 0.68%

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

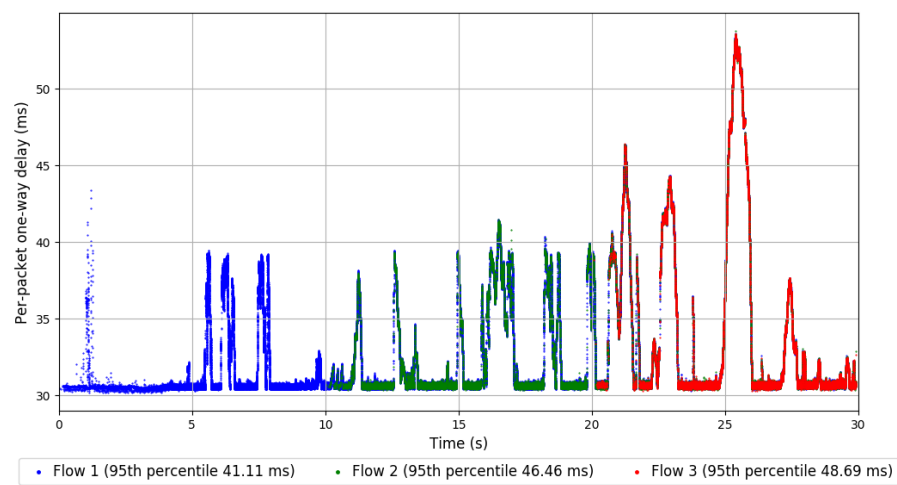
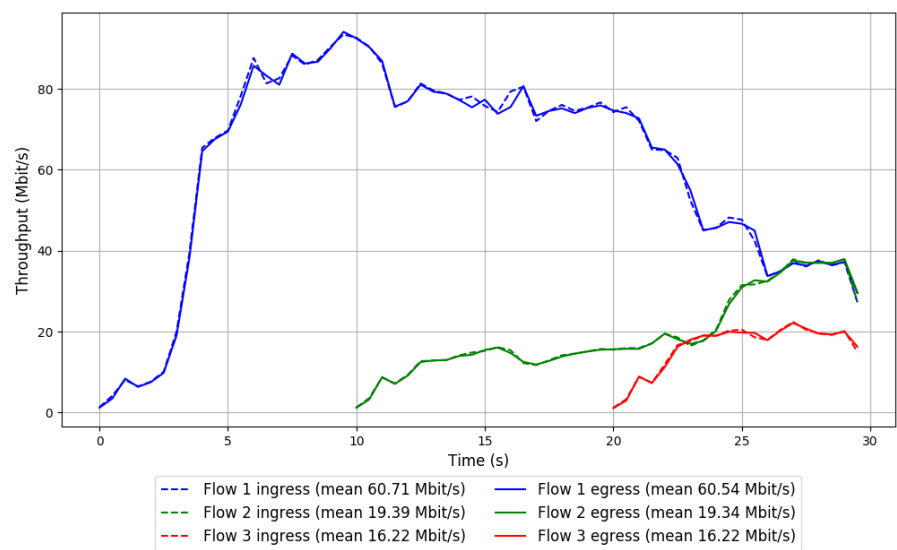


Run 1: Statistics of Vivace-latency

Start at: 2018-03-06 15:55:00
End at: 2018-03-06 15:55:30
Local clock offset: 0.788 ms
Remote clock offset: -12.18 ms

Below is generated by plot.py at 2018-03-06 21:13:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 42.396 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 41.109 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 19.34 Mbit/s
95th percentile per-packet one-way delay: 46.463 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 16.22 Mbit/s
95th percentile per-packet one-way delay: 48.693 ms
Loss rate: 0.06%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-03-06 16:20:24

End at: 2018-03-06 16:20:54

Local clock offset: 0.714 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2018-03-06 21:13:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.80 Mbit/s

95th percentile per-packet one-way delay: 36.042 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 60.73 Mbit/s

95th percentile per-packet one-way delay: 36.149 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 36.002 ms

Loss rate: 0.24%

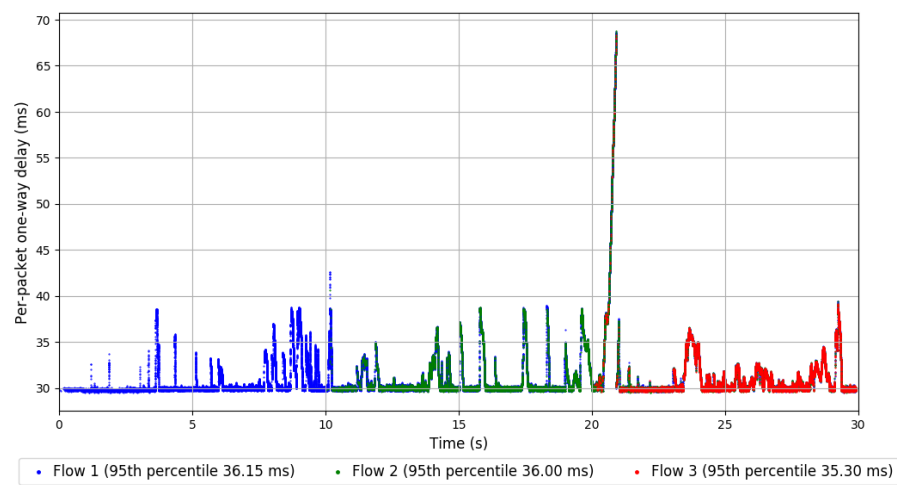
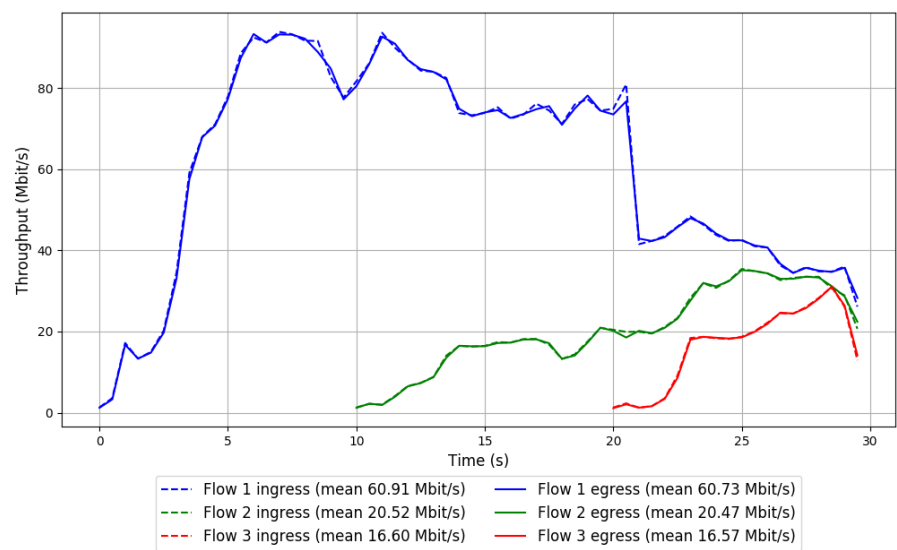
-- Flow 3:

Average throughput: 16.57 Mbit/s

95th percentile per-packet one-way delay: 35.304 ms

Loss rate: 0.17%

Run 2: Report of Vivace-latency — Data Link

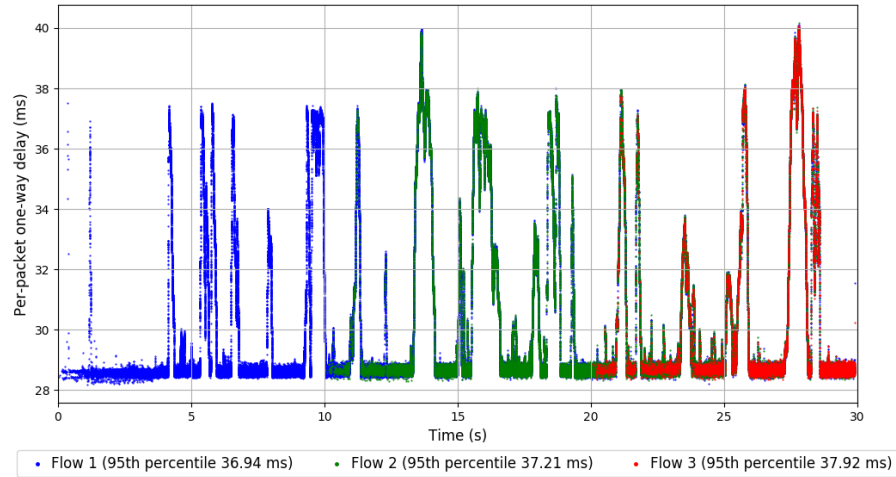
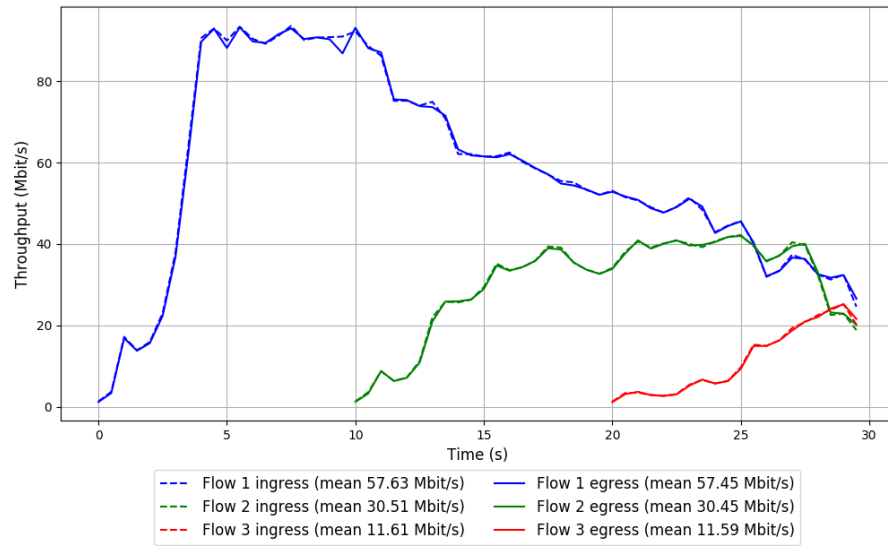


Run 3: Statistics of Vivace-latency

Start at: 2018-03-06 16:46:14
End at: 2018-03-06 16:46:44
Local clock offset: 0.671 ms
Remote clock offset: -2.267 ms

Below is generated by plot.py at 2018-03-06 21:14:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 37.009 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 36.942 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 37.212 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 37.923 ms
Loss rate: 0.17%

Run 3: Report of Vivace-latency — Data Link

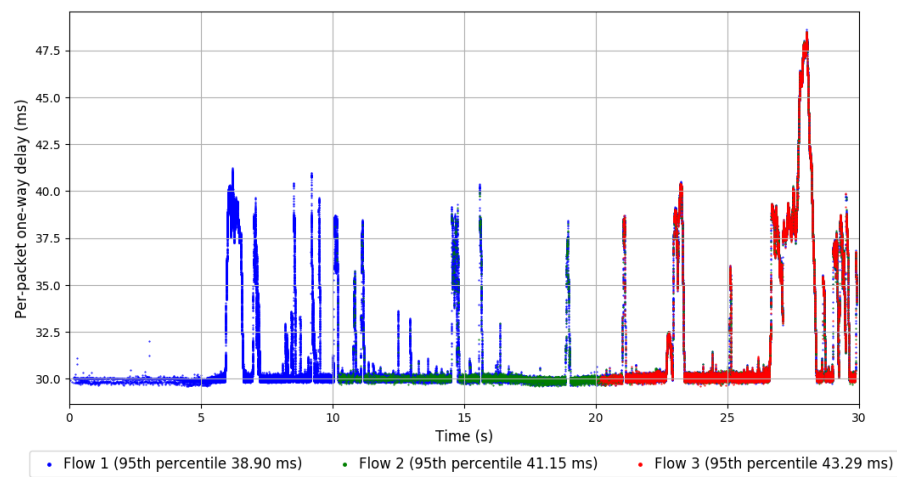
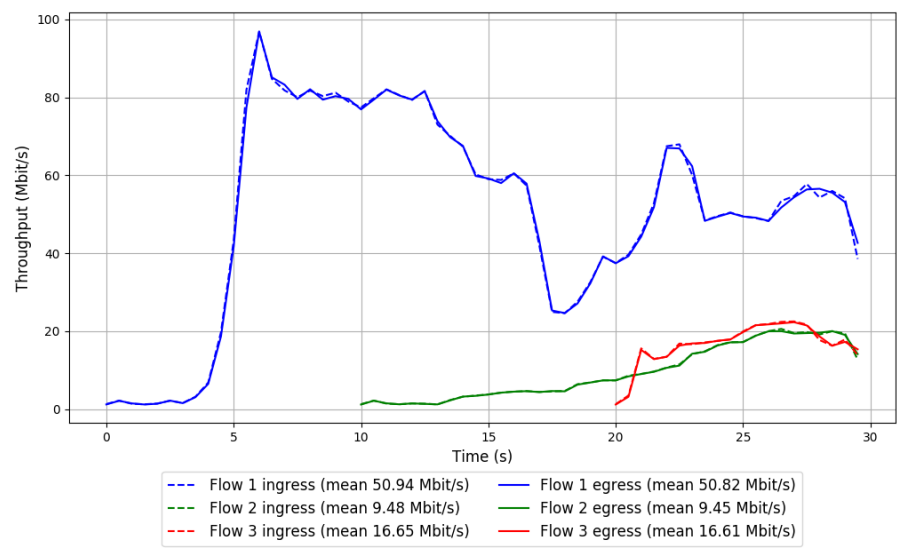


Run 4: Statistics of Vivace-latency

Start at: 2018-03-06 17:12:14
End at: 2018-03-06 17:12:44
Local clock offset: 0.66 ms
Remote clock offset: -0.203 ms

```
# Below is generated by plot.py at 2018-03-06 21:14:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 39.144 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 50.82 Mbit/s
95th percentile per-packet one-way delay: 38.897 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 41.149 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 43.288 ms
Loss rate: 0.19%
```


Run 4: Report of Vivace-latency — Data Link

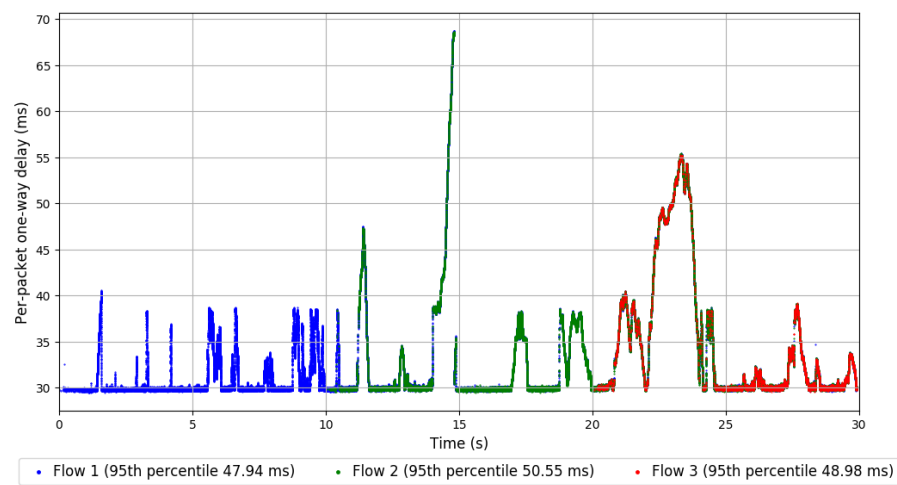
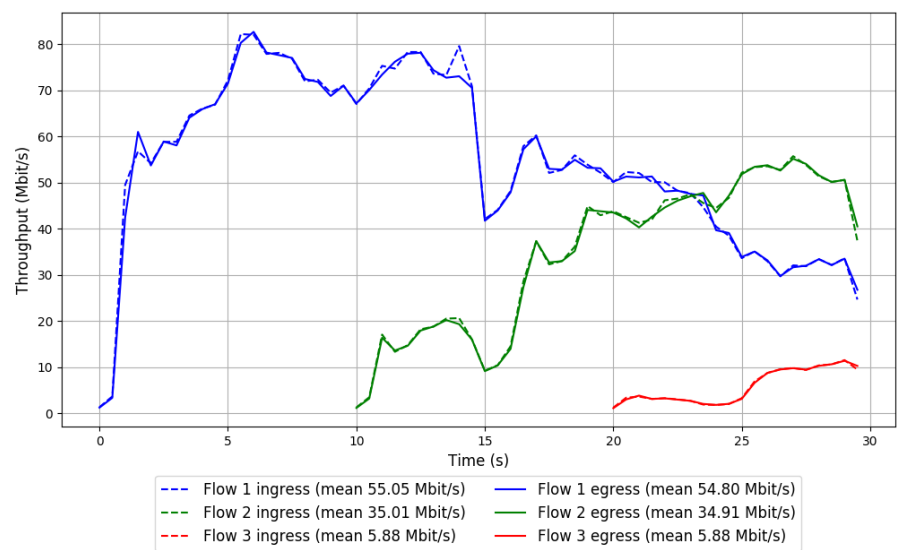


Run 5: Statistics of Vivace-latency

Start at: 2018-03-06 17:38:42
End at: 2018-03-06 17:39:12
Local clock offset: 0.13 ms
Remote clock offset: -1.035 ms

Below is generated by plot.py at 2018-03-06 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.94 Mbit/s
95th percentile per-packet one-way delay: 48.885 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 54.80 Mbit/s
95th percentile per-packet one-way delay: 47.938 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 50.548 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 48.981 ms
Loss rate: 0.04%

Run 5: Report of Vivace-latency — Data Link

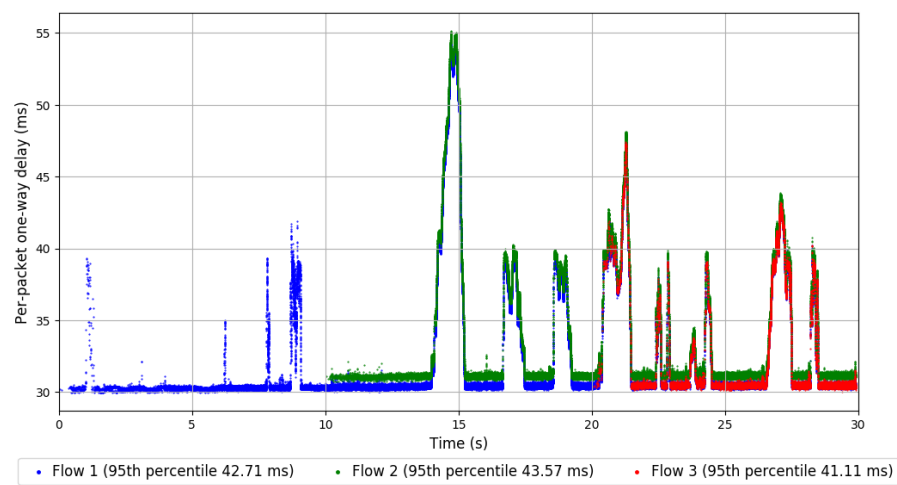
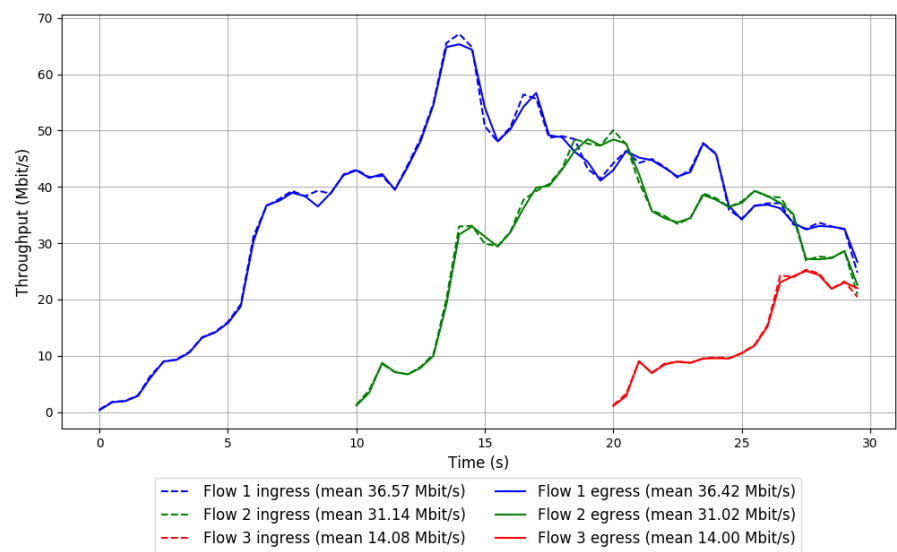


Run 6: Statistics of Vivace-latency

Start at: 2018-03-06 18:04:52
End at: 2018-03-06 18:05:22
Local clock offset: -0.109 ms
Remote clock offset: -3.431 ms

Below is generated by plot.py at 2018-03-06 21:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 42.767 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 42.714 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 43.573 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 14.00 Mbit/s
95th percentile per-packet one-way delay: 41.111 ms
Loss rate: 0.52%

Run 6: Report of Vivace-latency — Data Link

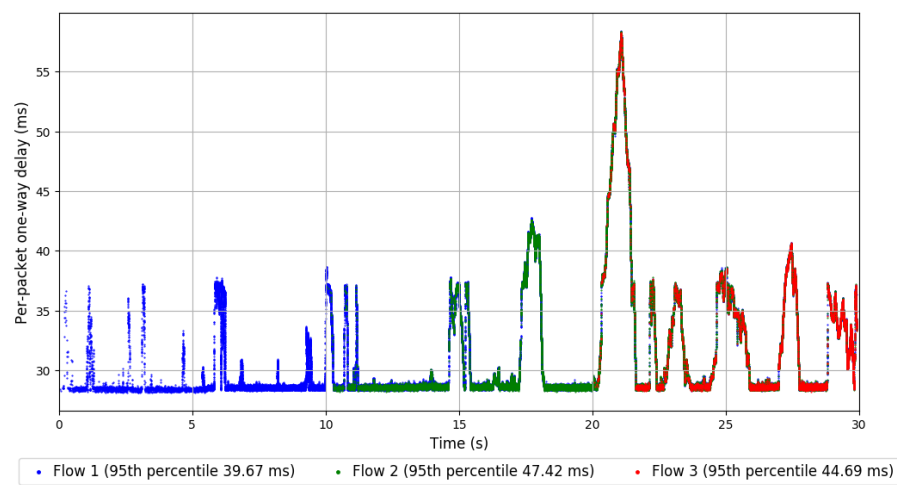
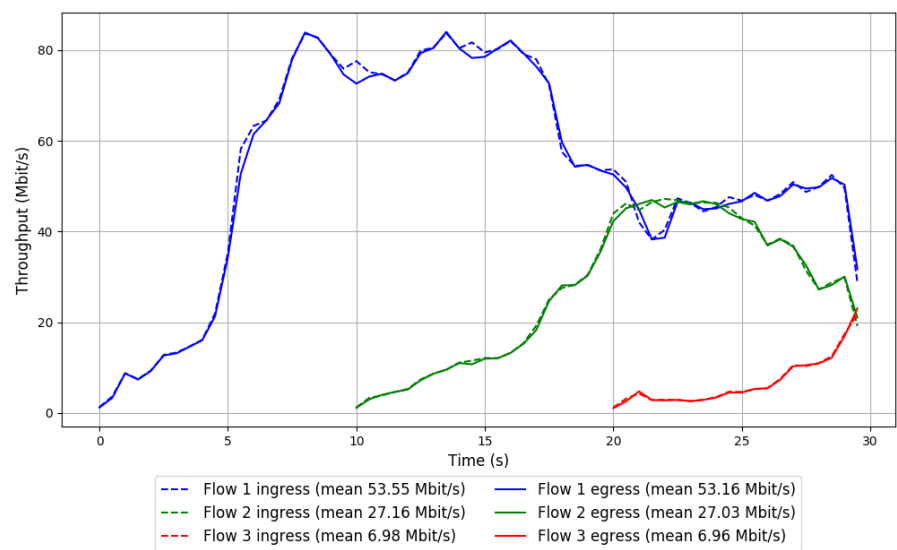


Run 7: Statistics of Vivace-latency

Start at: 2018-03-06 18:30:56
End at: 2018-03-06 18:31:26
Local clock offset: 0.797 ms
Remote clock offset: -4.192 ms

Below is generated by plot.py at 2018-03-06 21:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.42 Mbit/s
95th percentile per-packet one-way delay: 41.058 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 39.671 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 47.419 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 44.687 ms
Loss rate: 0.31%

Run 7: Report of Vivace-latency — Data Link

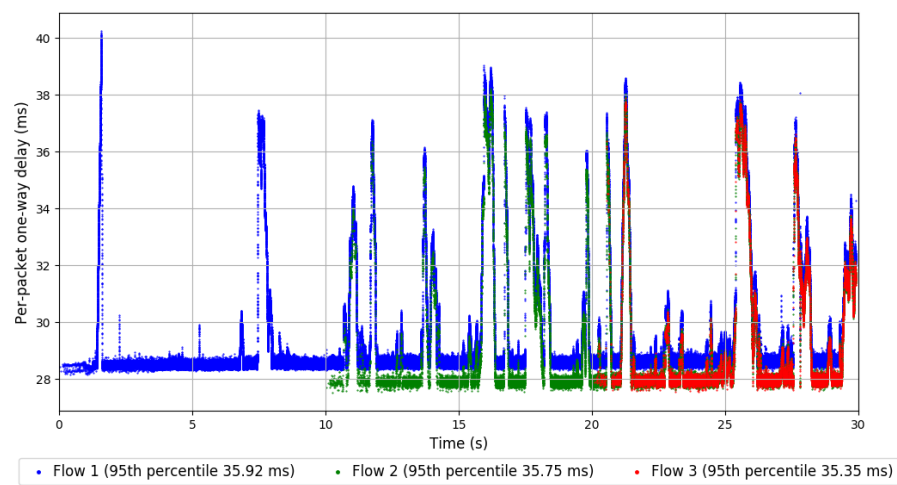
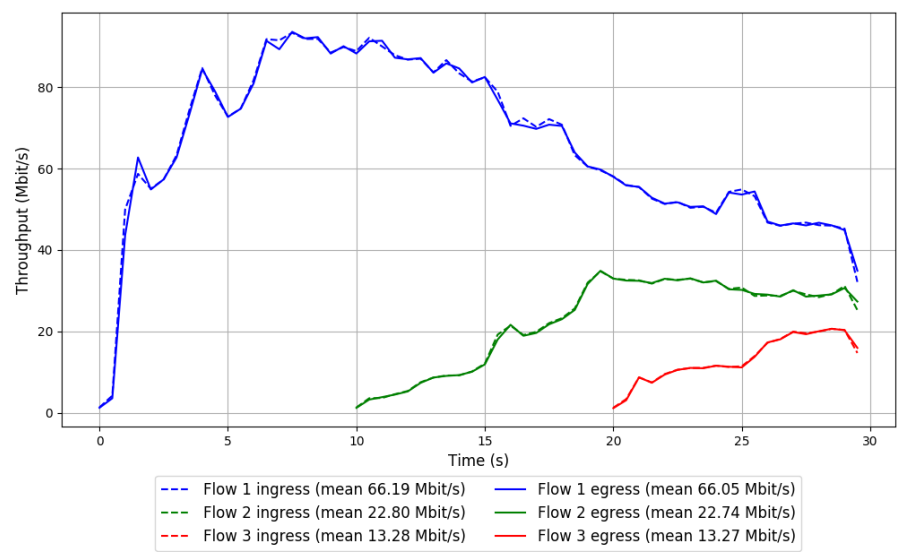


Run 8: Statistics of Vivace-latency

Start at: 2018-03-06 18:57:28
End at: 2018-03-06 18:57:58
Local clock offset: 0.884 ms
Remote clock offset: -6.064 ms

Below is generated by plot.py at 2018-03-06 21:15:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.54 Mbit/s
95th percentile per-packet one-way delay: 35.861 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 66.05 Mbit/s
95th percentile per-packet one-way delay: 35.916 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 35.747 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 35.351 ms
Loss rate: 0.04%

Run 8: Report of Vivace-latency — Data Link

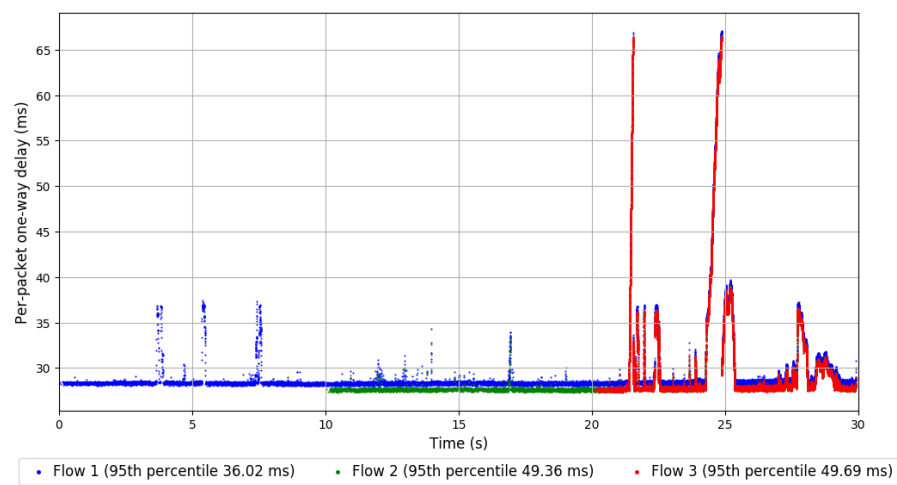
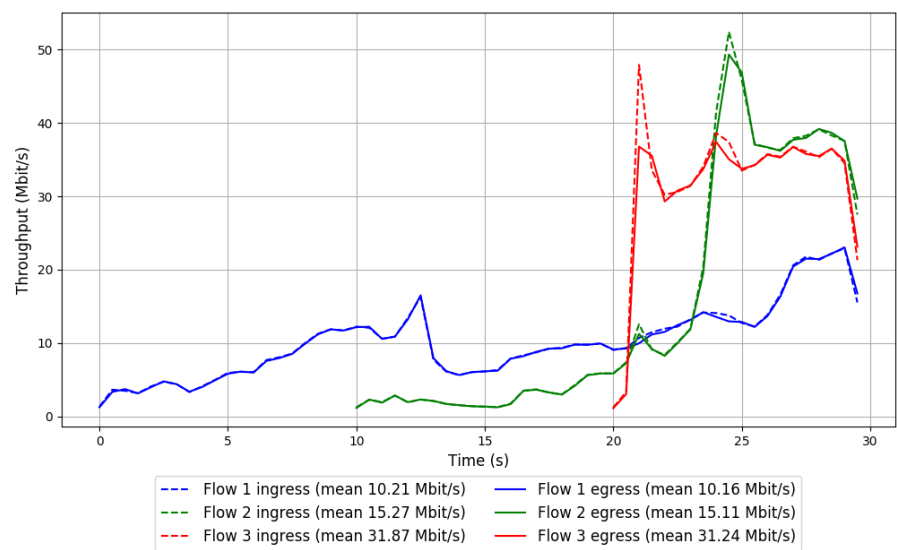


Run 9: Statistics of Vivace-latency

Start at: 2018-03-06 19:25:09
End at: 2018-03-06 19:25:39
Local clock offset: 0.816 ms
Remote clock offset: -7.923 ms

Below is generated by plot.py at 2018-03-06 21:15:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 41.400 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 36.025 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 49.358 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 49.687 ms
Loss rate: 1.94%

Run 9: Report of Vivace-latency — Data Link

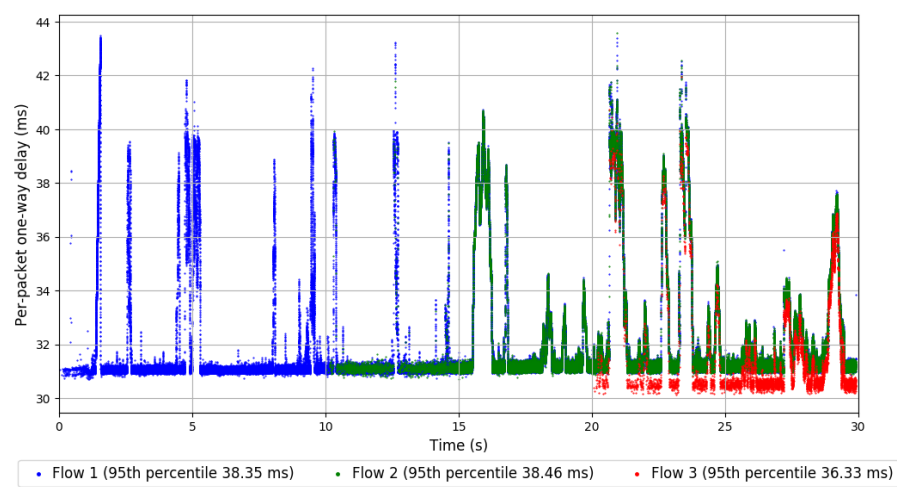
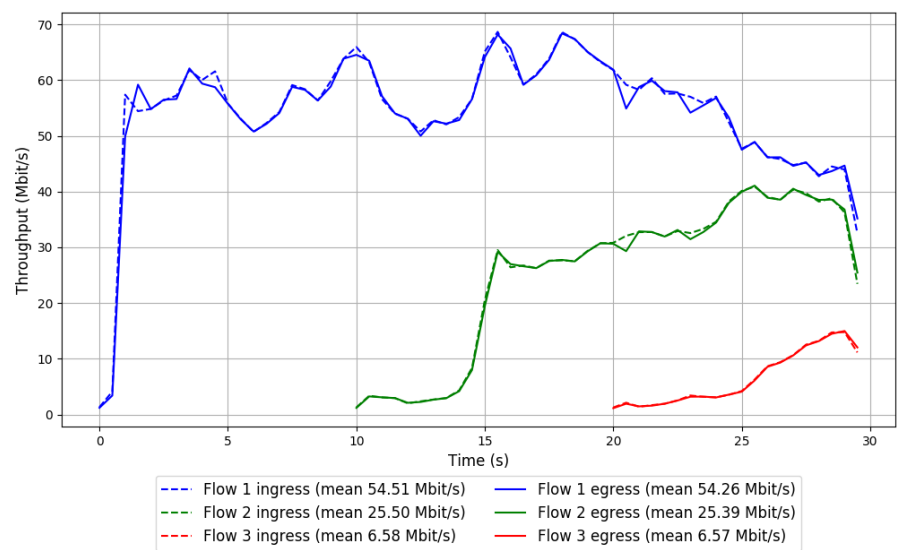


Run 10: Statistics of Vivace-latency

Start at: 2018-03-06 19:53:09
End at: 2018-03-06 19:53:39
Local clock offset: 0.722 ms
Remote clock offset: -5.144 ms

Below is generated by plot.py at 2018-03-06 21:15:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 38.340 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 38.346 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 38.464 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 36.333 ms
Loss rate: 0.27%

Run 10: Report of Vivace-latency — Data Link

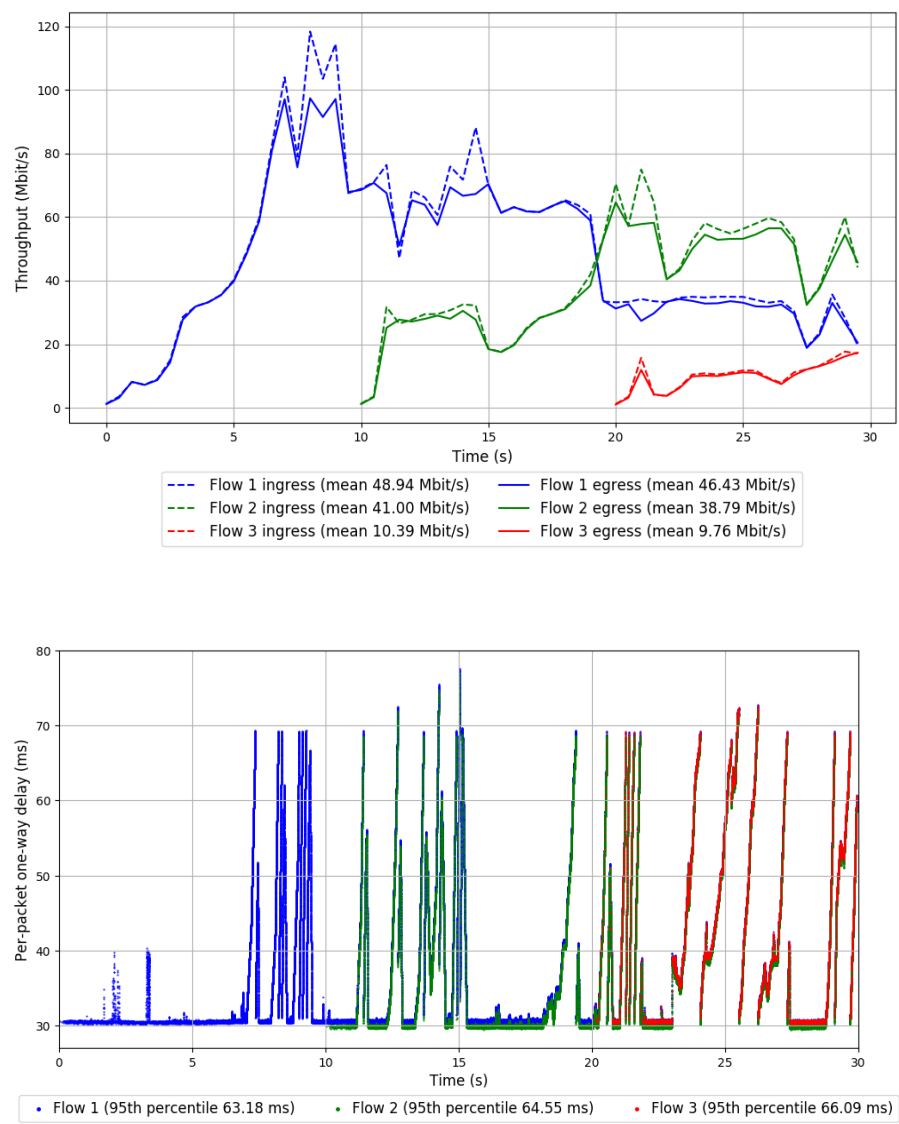


Run 1: Statistics of Vivace-loss

Start at: 2018-03-06 16:14:29
End at: 2018-03-06 16:14:59
Local clock offset: 0.832 ms
Remote clock offset: -0.904 ms

Below is generated by plot.py at 2018-03-06 21:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 63.997 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 63.182 ms
Loss rate: 5.03%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 64.550 ms
Loss rate: 5.26%
-- Flow 3:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 66.092 ms
Loss rate: 5.75%

Run 1: Report of Vivace-loss — Data Link

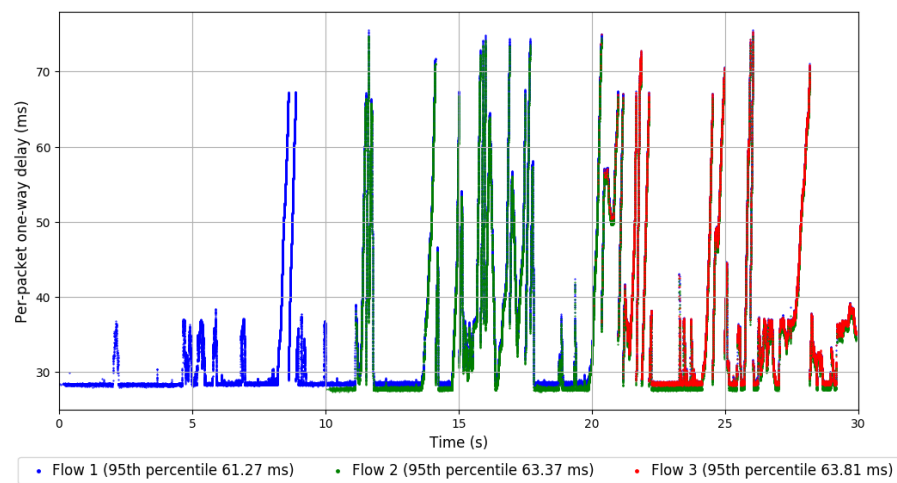
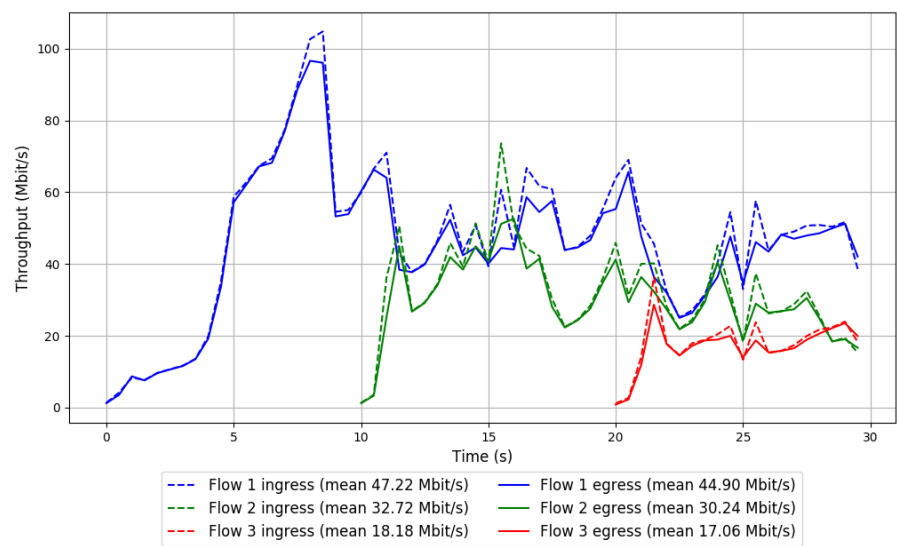


Run 2: Statistics of Vivace-loss

Start at: 2018-03-06 16:40:30
End at: 2018-03-06 16:41:00
Local clock offset: 0.778 ms
Remote clock offset: -2.039 ms

Below is generated by plot.py at 2018-03-06 21:15:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 62.303 ms
Loss rate: 5.76%
-- Flow 1:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 61.268 ms
Loss rate: 4.88%
-- Flow 2:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 63.369 ms
Loss rate: 7.54%
-- Flow 3:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 63.809 ms
Loss rate: 6.21%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

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

End at: 2018-03-06 17:06:34

Local clock offset: 0.592 ms

Remote clock offset: 0.564 ms

Below is generated by plot.py at 2018-03-06 21:15:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.61 Mbit/s

95th percentile per-packet one-way delay: 63.637 ms

Loss rate: 3.94%

-- Flow 1:

Average throughput: 54.48 Mbit/s

95th percentile per-packet one-way delay: 62.199 ms

Loss rate: 4.15%

-- Flow 2:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 65.498 ms

Loss rate: 3.58%

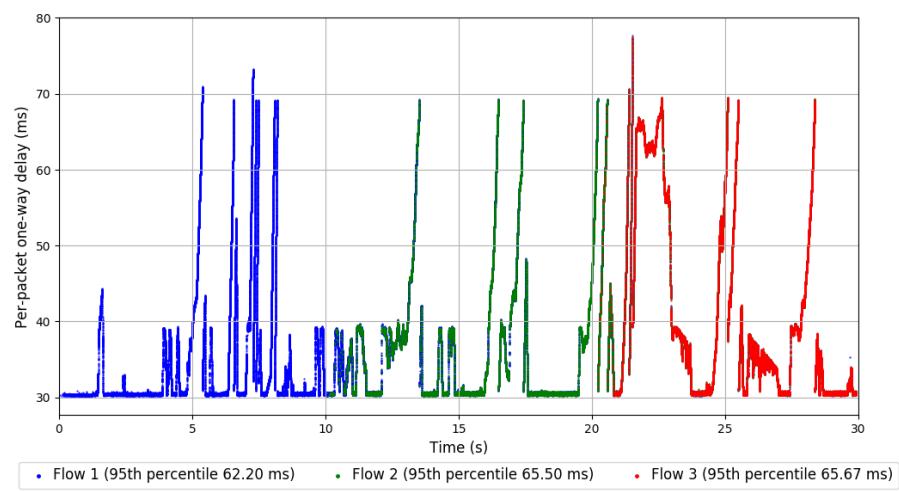
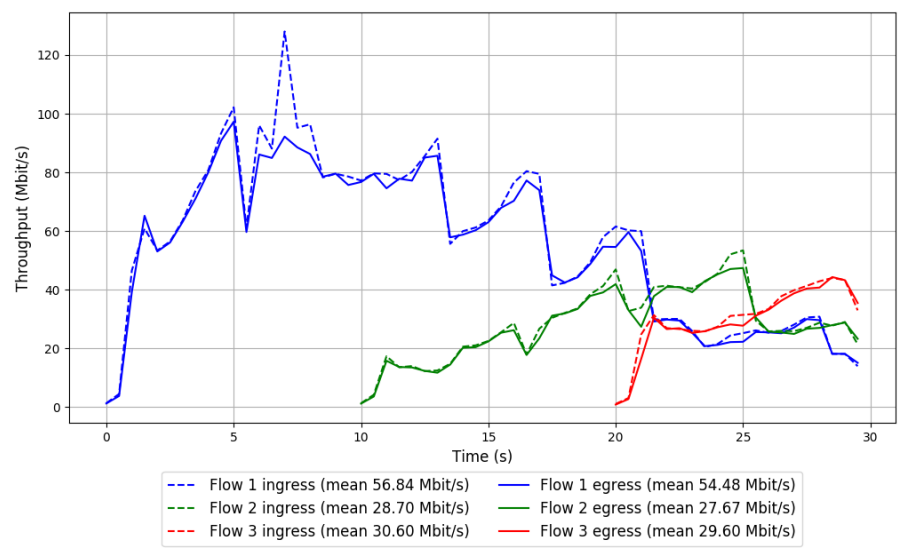
-- Flow 3:

Average throughput: 29.60 Mbit/s

95th percentile per-packet one-way delay: 65.673 ms

Loss rate: 3.50%

Run 3: Report of Vivace-loss — Data Link

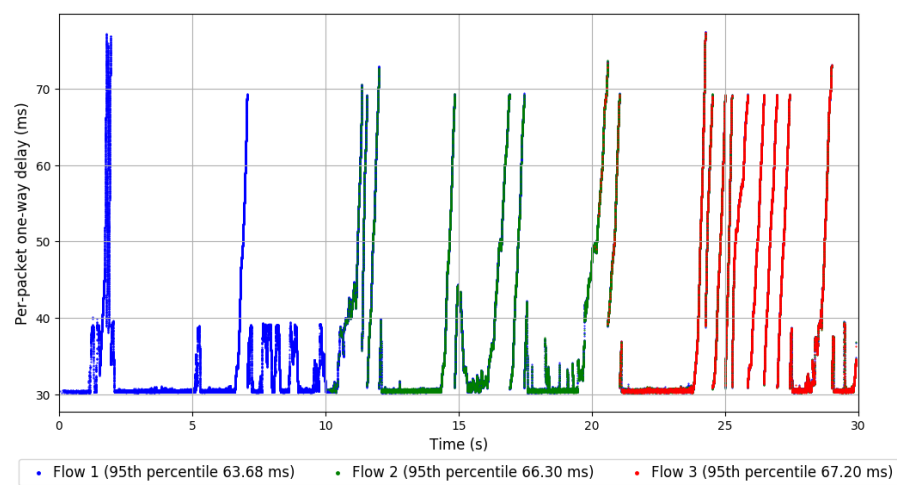
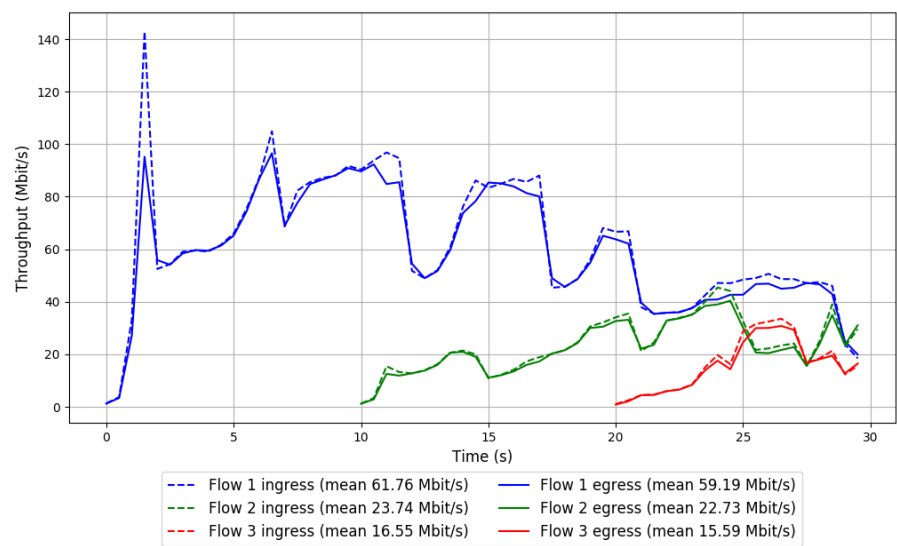


Run 4: Statistics of Vivace-loss

Start at: 2018-03-06 17:32:47
End at: 2018-03-06 17:33:17
Local clock offset: 0.31 ms
Remote clock offset: -0.838 ms

Below is generated by plot.py at 2018-03-06 21:15:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 64.789 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 63.683 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 66.300 ms
Loss rate: 4.23%
-- Flow 3:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 67.197 ms
Loss rate: 5.94%

Run 4: Report of Vivace-loss — Data Link

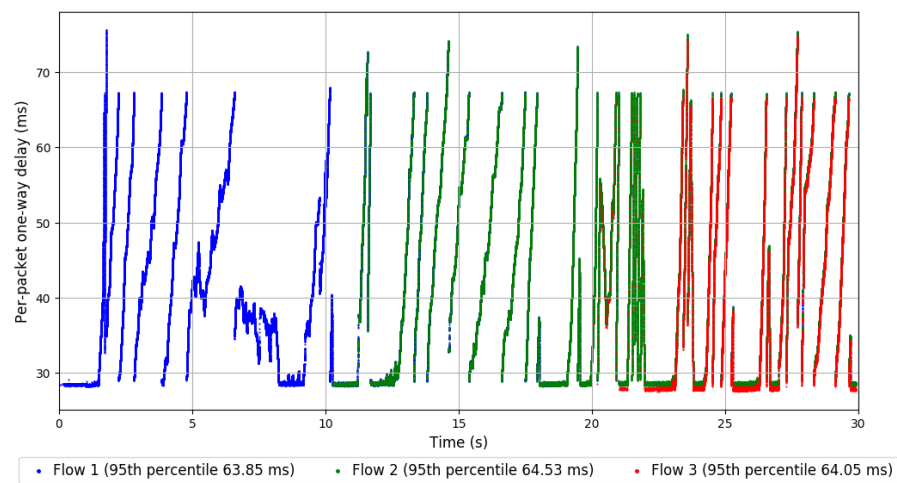
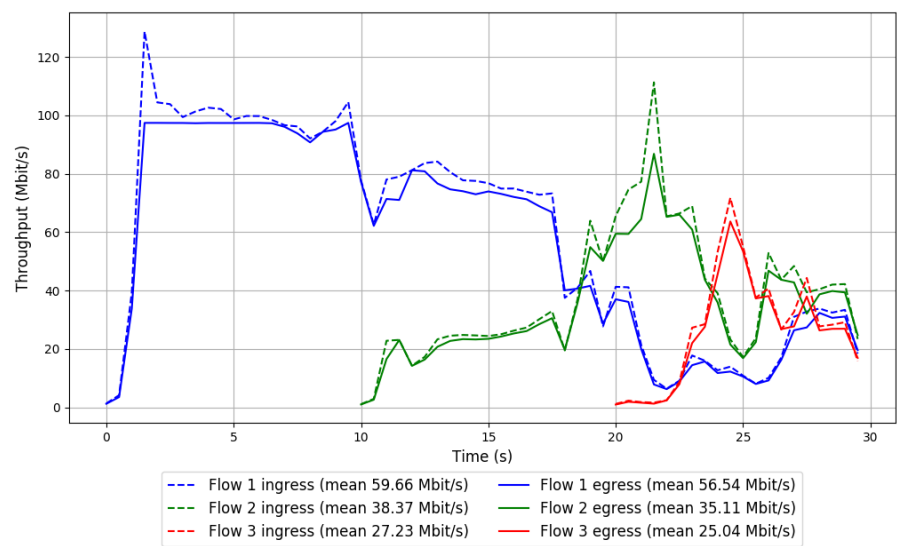


Run 5: Statistics of Vivace-loss

Start at: 2018-03-06 17:58:56
End at: 2018-03-06 17:59:26
Local clock offset: -0.042 ms
Remote clock offset: -5.482 ms

Below is generated by plot.py at 2018-03-06 21:15:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 64.071 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 63.852 ms
Loss rate: 5.23%
-- Flow 2:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 64.526 ms
Loss rate: 8.64%
-- Flow 3:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 64.052 ms
Loss rate: 8.11%

Run 5: Report of Vivace-loss — Data Link

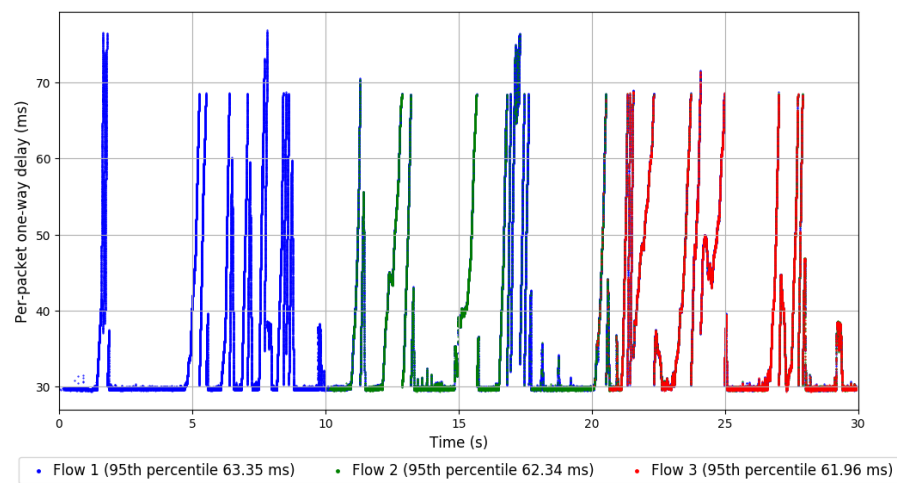
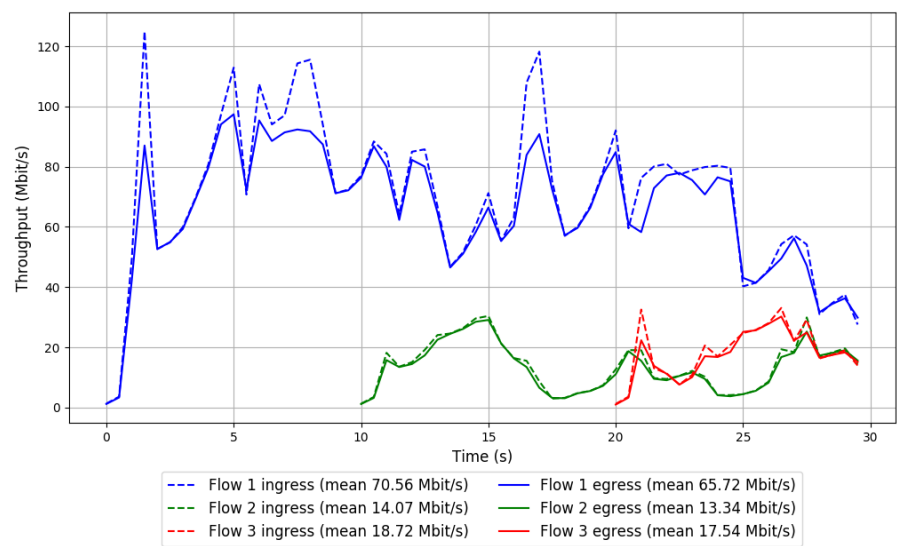


Run 6: Statistics of Vivace-loss

Start at: 2018-03-06 18:25:10
End at: 2018-03-06 18:25:40
Local clock offset: 0.728 ms
Remote clock offset: -2.552 ms

Below is generated by plot.py at 2018-03-06 21:16:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.37 Mbit/s
95th percentile per-packet one-way delay: 63.125 ms
Loss rate: 6.64%
-- Flow 1:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 63.352 ms
Loss rate: 6.86%
-- Flow 2:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 62.344 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 17.54 Mbit/s
95th percentile per-packet one-way delay: 61.964 ms
Loss rate: 6.30%

Run 6: Report of Vivace-loss — Data Link

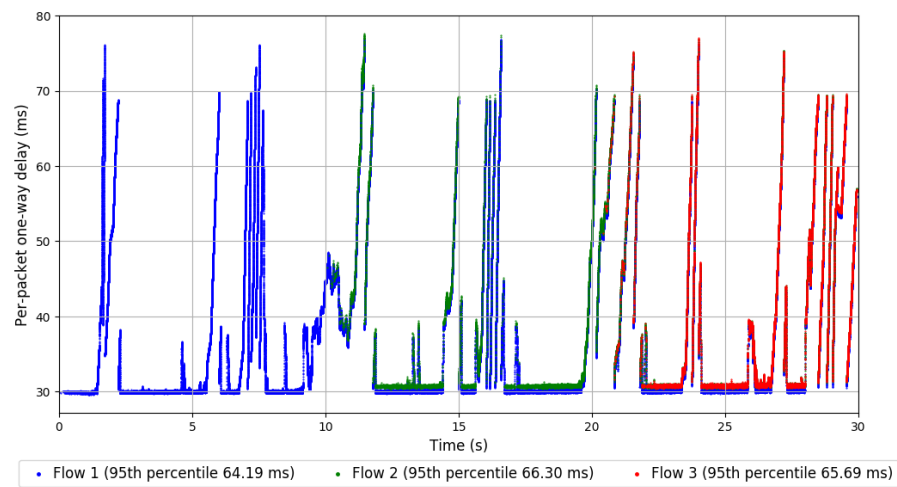
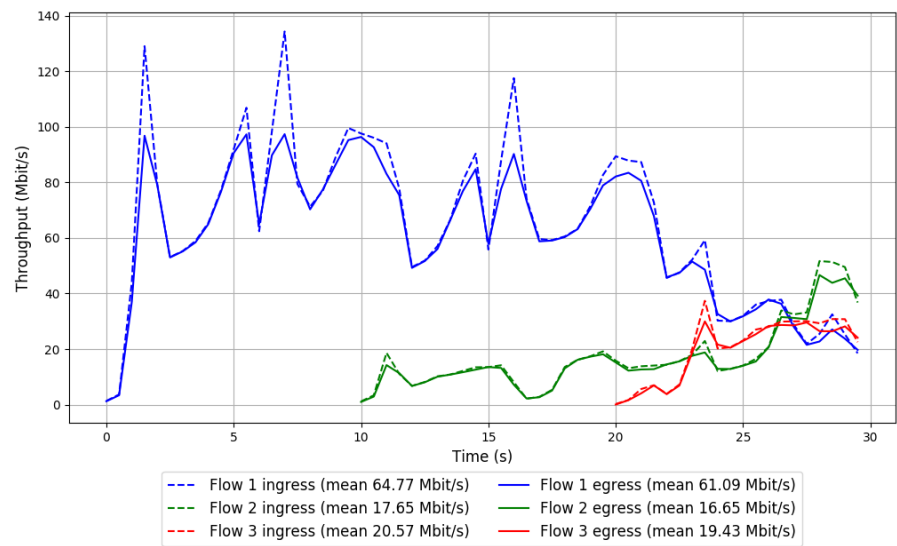


Run 7: Statistics of Vivace-loss

Start at: 2018-03-06 18:51:21
End at: 2018-03-06 18:51:51
Local clock offset: 0.774 ms
Remote clock offset: -3.055 ms

Below is generated by plot.py at 2018-03-06 21:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 64.683 ms
Loss rate: 5.60%
-- Flow 1:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 64.190 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 16.65 Mbit/s
95th percentile per-packet one-way delay: 66.303 ms
Loss rate: 5.59%
-- Flow 3:
Average throughput: 19.43 Mbit/s
95th percentile per-packet one-way delay: 65.691 ms
Loss rate: 5.59%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-06 19:18:16

End at: 2018-03-06 19:18:46

Local clock offset: 1.028 ms

Remote clock offset: -5.55 ms

Below is generated by plot.py at 2018-03-06 21:16:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.04 Mbit/s

95th percentile per-packet one-way delay: 65.200 ms

Loss rate: 4.54%

-- Flow 1:

Average throughput: 58.07 Mbit/s

95th percentile per-packet one-way delay: 65.205 ms

Loss rate: 4.38%

-- Flow 2:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 65.601 ms

Loss rate: 5.20%

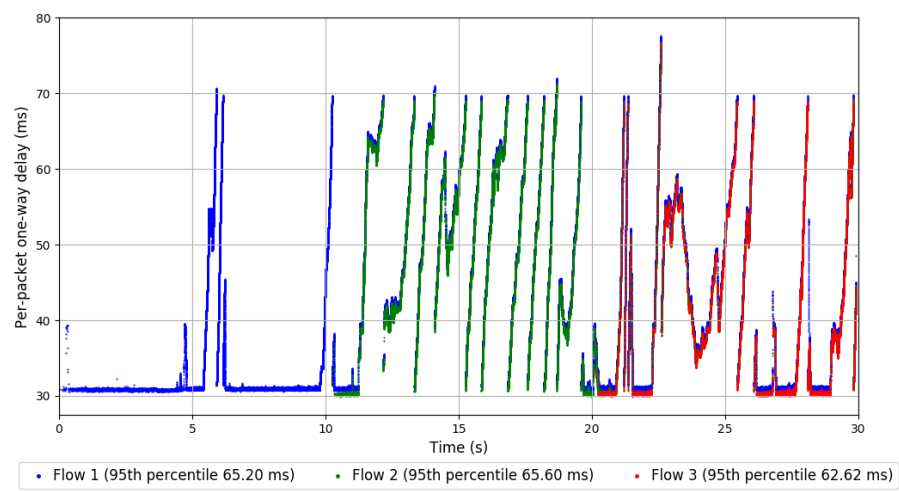
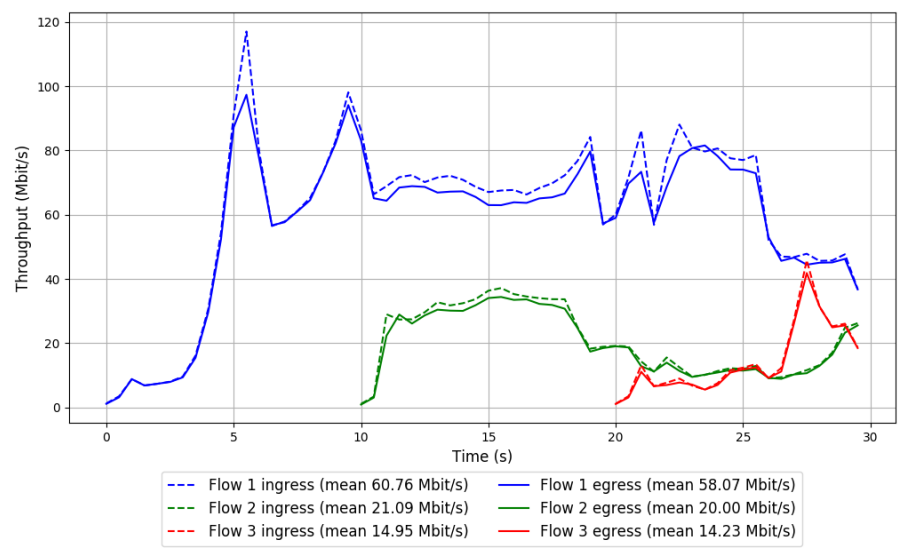
-- Flow 3:

Average throughput: 14.23 Mbit/s

95th percentile per-packet one-way delay: 62.624 ms

Loss rate: 4.70%

Run 8: Report of Vivace-loss — Data Link

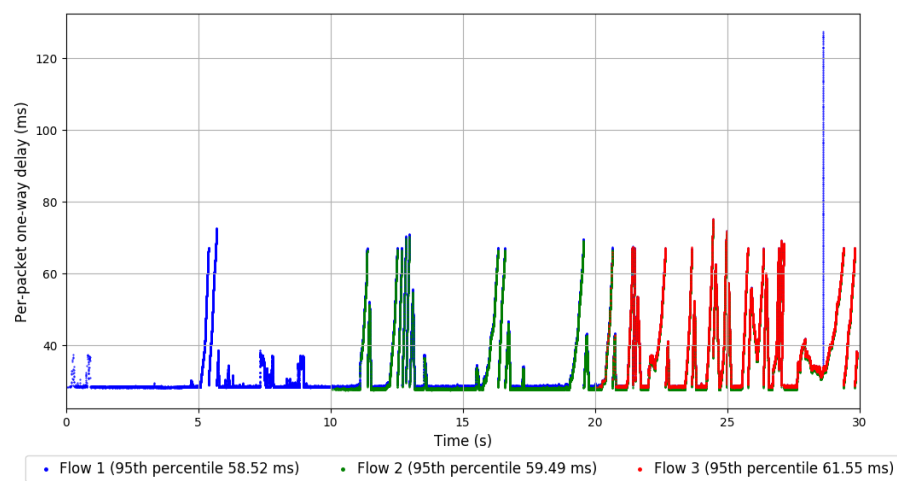
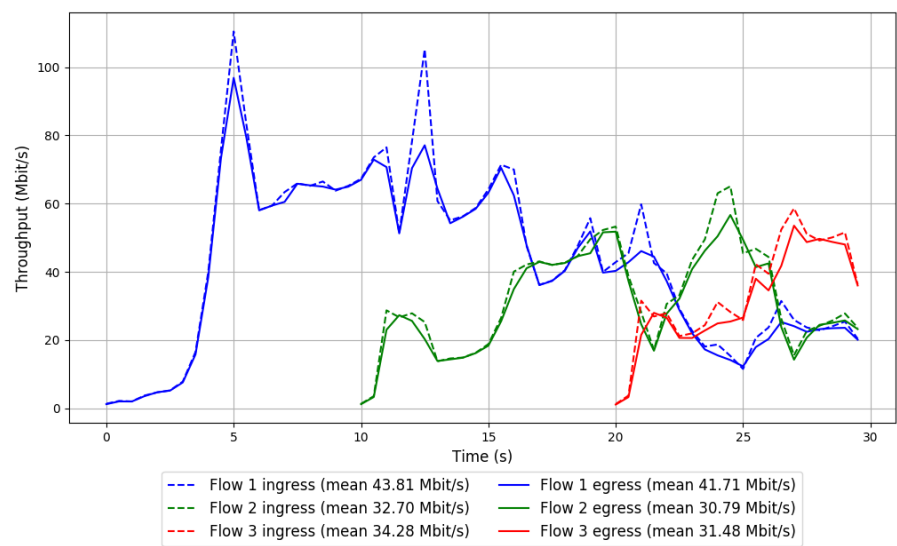


Run 9: Statistics of Vivace-loss

Start at: 2018-03-06 19:47:17
End at: 2018-03-06 19:47:47
Local clock offset: 0.82 ms
Remote clock offset: -7.535 ms

Below is generated by plot.py at 2018-03-06 21:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 59.473 ms
Loss rate: 5.53%
-- Flow 1:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 58.516 ms
Loss rate: 4.75%
-- Flow 2:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 59.487 ms
Loss rate: 5.77%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 61.549 ms
Loss rate: 8.08%

Run 9: Report of Vivace-loss — Data Link

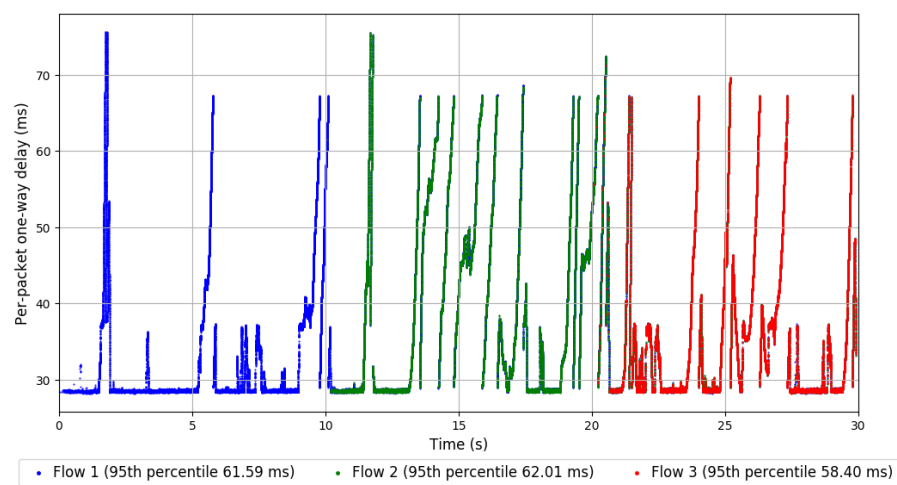
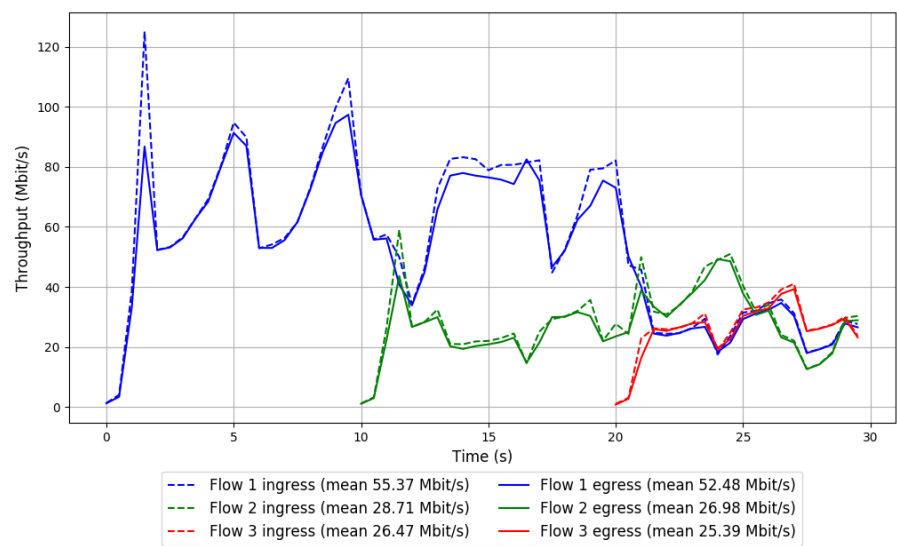


Run 10: Statistics of Vivace-loss

Start at: 2018-03-06 20:13:53
End at: 2018-03-06 20:14:23
Local clock offset: 1.196 ms
Remote clock offset: -6.833 ms

Below is generated by plot.py at 2018-03-06 21:16:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.75 Mbit/s
95th percentile per-packet one-way delay: 61.513 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 61.587 ms
Loss rate: 5.19%
-- Flow 2:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 62.007 ms
Loss rate: 6.14%
-- Flow 3:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 58.396 ms
Loss rate: 4.30%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-03-06 16:06:22

End at: 2018-03-06 16:06:52

Local clock offset: 0.745 ms

Remote clock offset: -4.54 ms

Below is generated by plot.py at 2018-03-06 21:17:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.38 Mbit/s

95th percentile per-packet one-way delay: 60.129 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 66.43 Mbit/s

95th percentile per-packet one-way delay: 59.240 ms

Loss rate: 1.94%

-- Flow 2:

Average throughput: 27.32 Mbit/s

95th percentile per-packet one-way delay: 62.561 ms

Loss rate: 2.60%

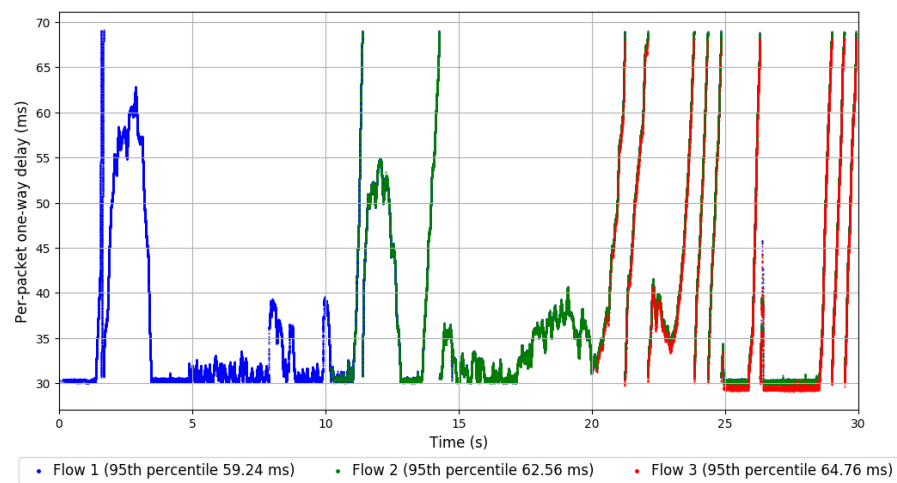
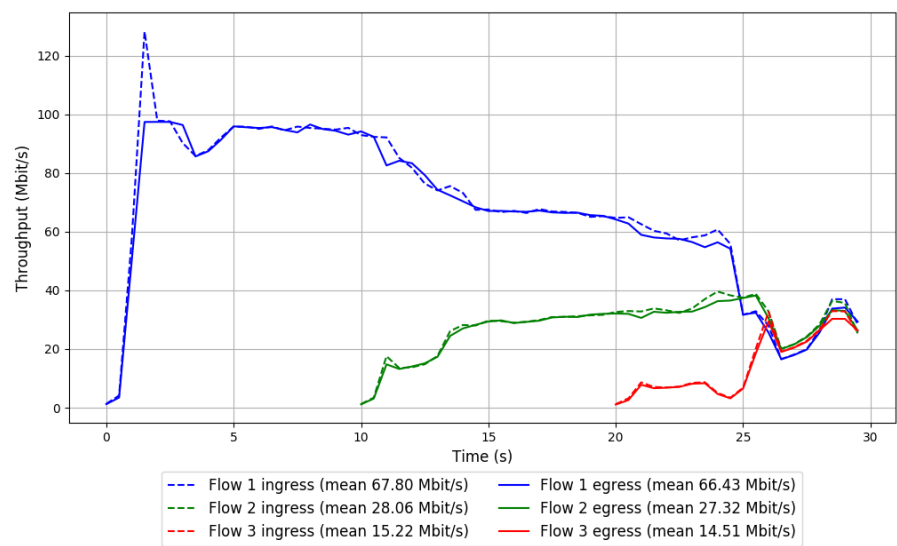
-- Flow 3:

Average throughput: 14.51 Mbit/s

95th percentile per-packet one-way delay: 64.756 ms

Loss rate: 4.54%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-03-06 16:32:18

End at: 2018-03-06 16:32:48

Local clock offset: 0.801 ms

Remote clock offset: 1.598 ms

Below is generated by plot.py at 2018-03-06 21:17:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.47 Mbit/s

95th percentile per-packet one-way delay: 61.272 ms

Loss rate: 2.15%

-- Flow 1:

Average throughput: 59.88 Mbit/s

95th percentile per-packet one-way delay: 60.720 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 27.08 Mbit/s

95th percentile per-packet one-way delay: 61.758 ms

Loss rate: 1.95%

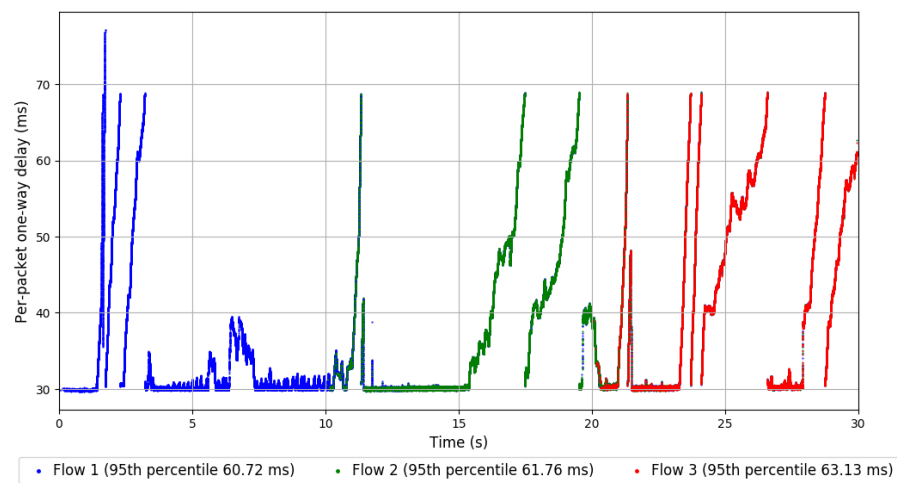
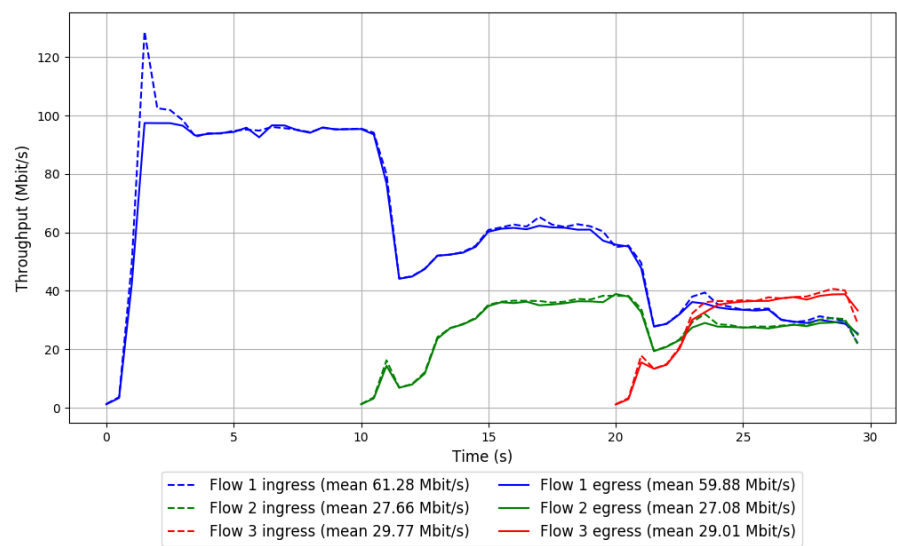
-- Flow 3:

Average throughput: 29.01 Mbit/s

95th percentile per-packet one-way delay: 63.127 ms

Loss rate: 2.31%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-03-06 16:57:40

End at: 2018-03-06 16:58:10

Local clock offset: 0.682 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-03-06 21:17:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 65.595 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 63.80 Mbit/s

95th percentile per-packet one-way delay: 64.577 ms

Loss rate: 2.25%

-- Flow 2:

Average throughput: 37.15 Mbit/s

95th percentile per-packet one-way delay: 66.289 ms

Loss rate: 2.09%

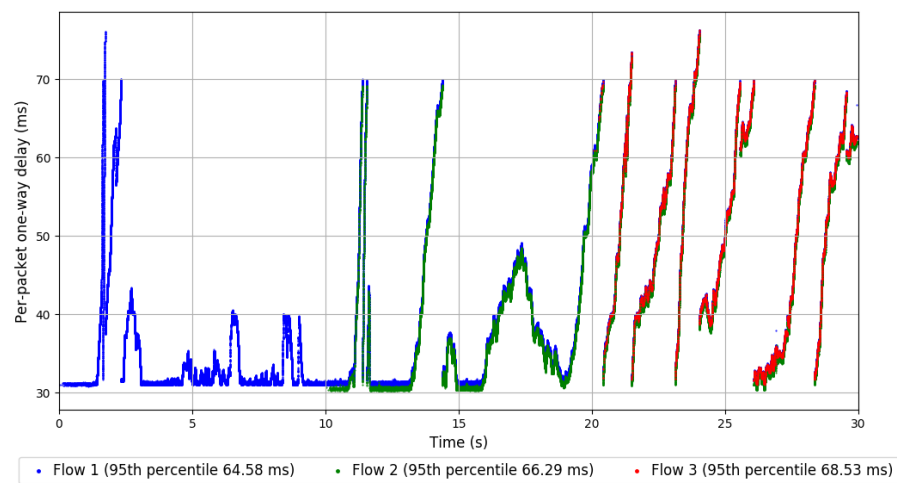
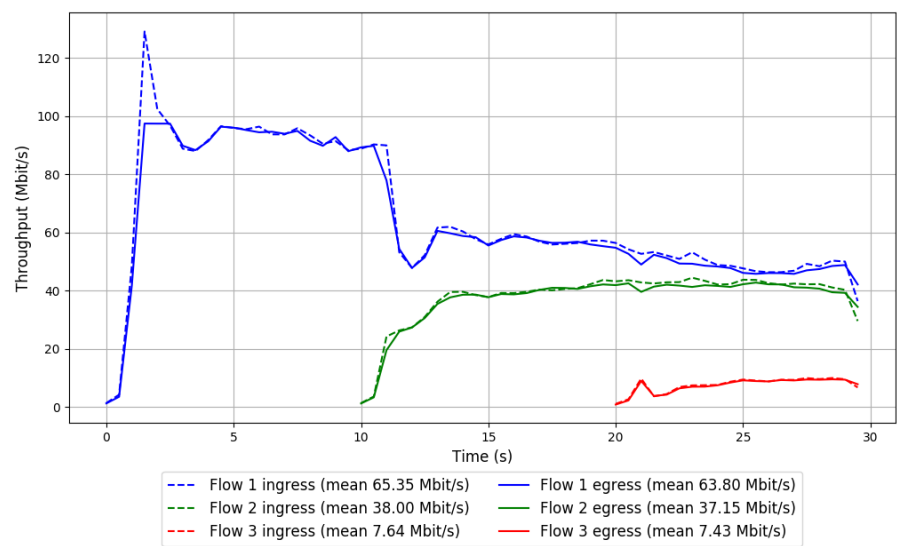
-- Flow 3:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 68.530 ms

Loss rate: 2.83%

Run 3: Report of Vivace-LTE — Data Link

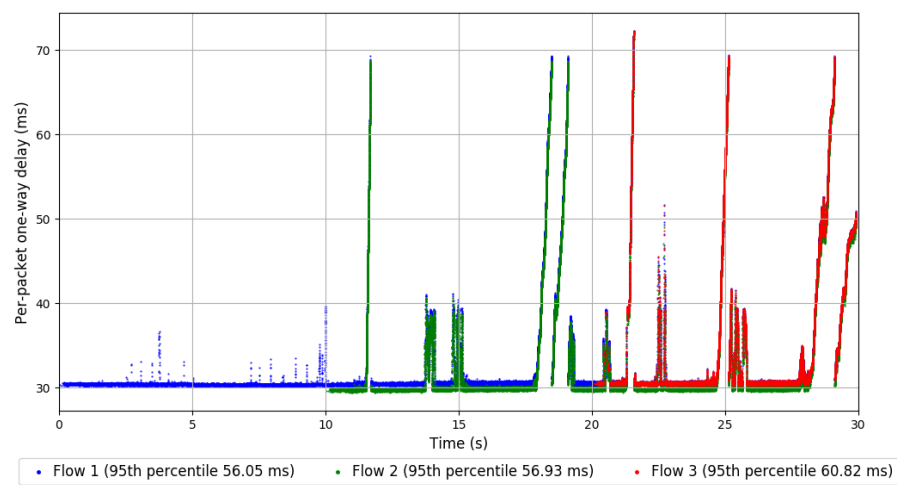
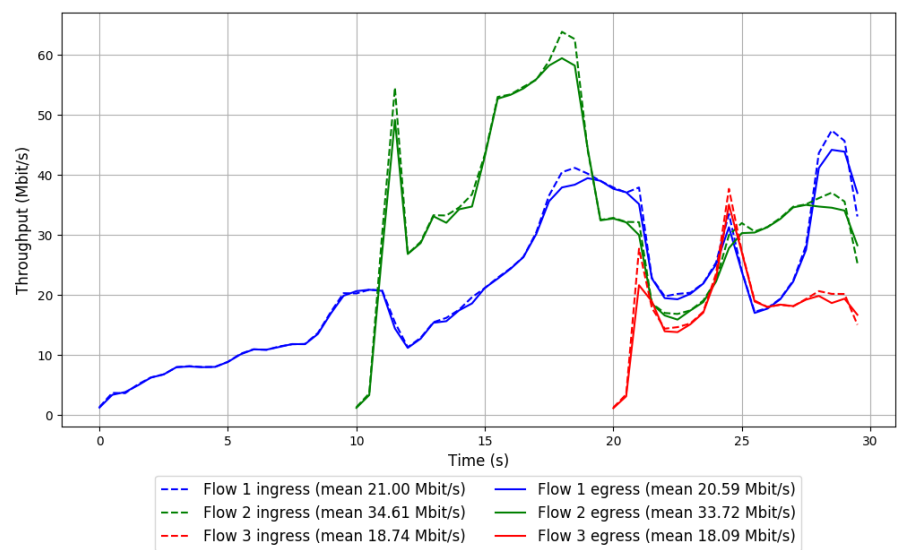


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-06 17:24:18
End at: 2018-03-06 17:24:48
Local clock offset: 0.462 ms
Remote clock offset: -0.695 ms

```
# Below is generated by plot.py at 2018-03-06 21:17:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 57.184 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 56.048 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 56.929 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 60.818 ms
Loss rate: 3.29%
```


Run 4: Report of Vivace-LTE — Data Link

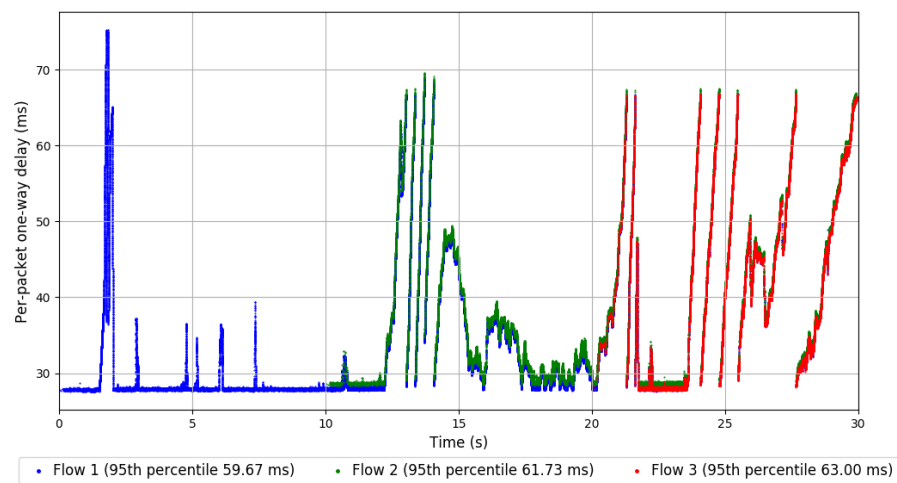
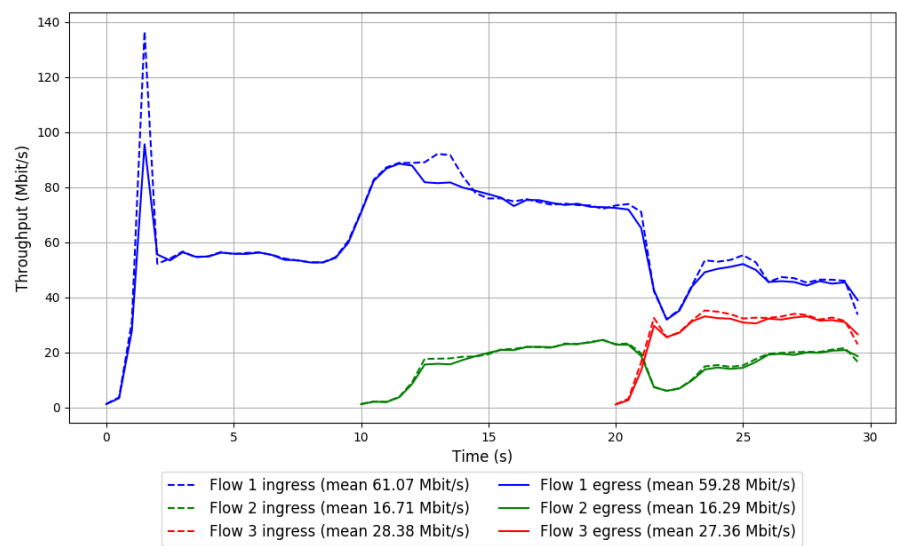


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-06 17:50:34
End at: 2018-03-06 17:51:04
Local clock offset: -0.019 ms
Remote clock offset: -4.618 ms

Below is generated by plot.py at 2018-03-06 21:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 60.616 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 59.668 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 61.731 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 27.36 Mbit/s
95th percentile per-packet one-way delay: 62.996 ms
Loss rate: 3.22%

Run 5: Report of Vivace-LTE — Data Link

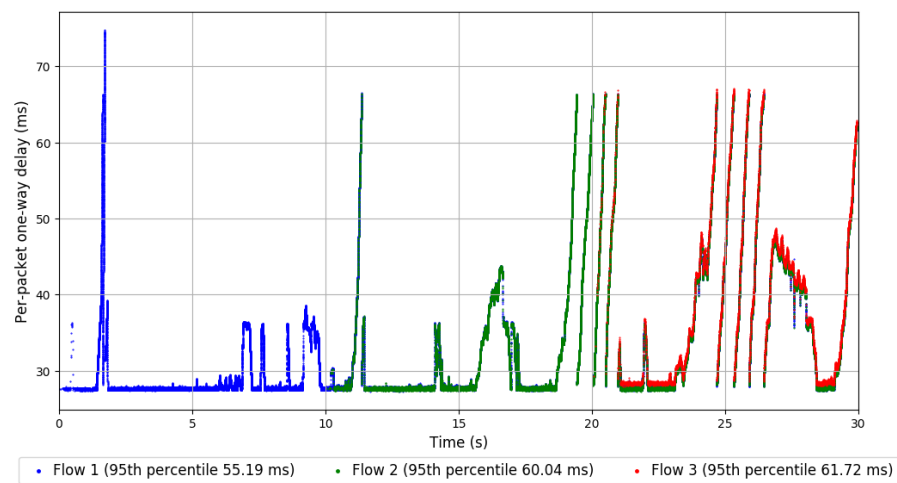
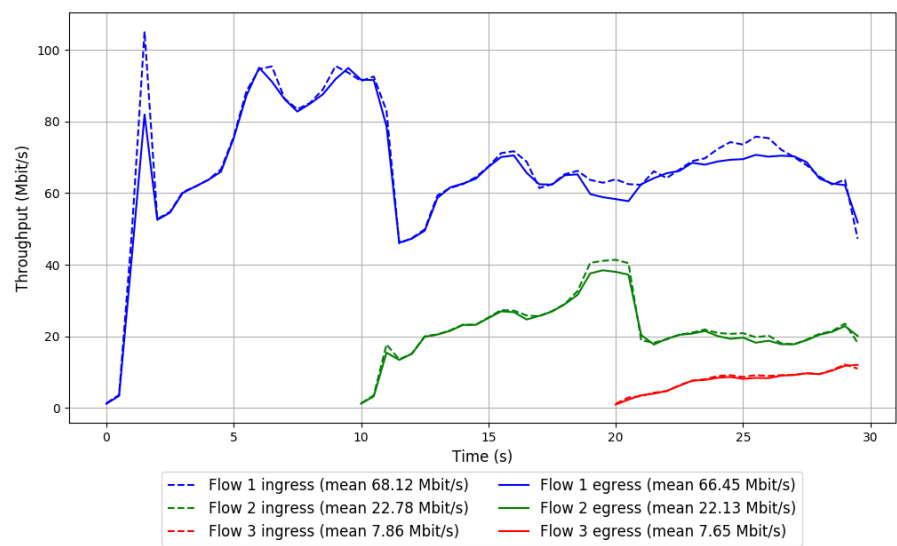


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-06 18:16:43
End at: 2018-03-06 18:17:13
Local clock offset: 0.474 ms
Remote clock offset: -5.961 ms

Below is generated by plot.py at 2018-03-06 21:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 56.845 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 66.45 Mbit/s
95th percentile per-packet one-way delay: 55.186 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 22.13 Mbit/s
95th percentile per-packet one-way delay: 60.043 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 7.65 Mbit/s
95th percentile per-packet one-way delay: 61.716 ms
Loss rate: 2.45%

Run 6: Report of Vivace-LTE — Data Link

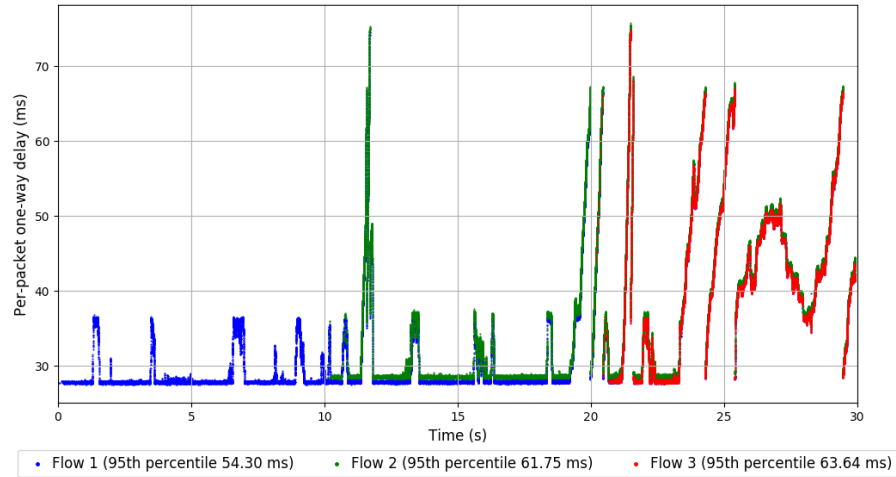
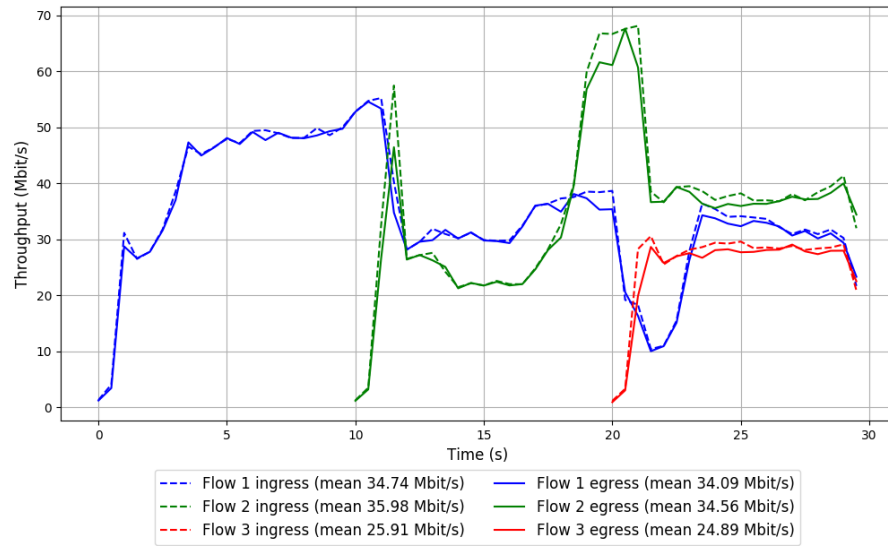


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-06 18:42:51
End at: 2018-03-06 18:43:21
Local clock offset: 0.84 ms
Remote clock offset: -4.245 ms

Below is generated by plot.py at 2018-03-06 21:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 59.740 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 54.299 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 61.750 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 63.637 ms
Loss rate: 3.87%

Run 7: Report of Vivace-LTE — Data Link

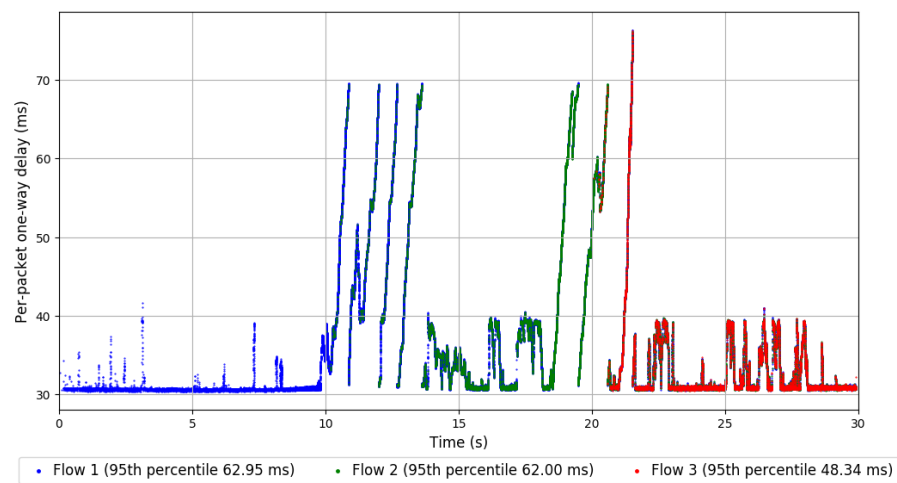
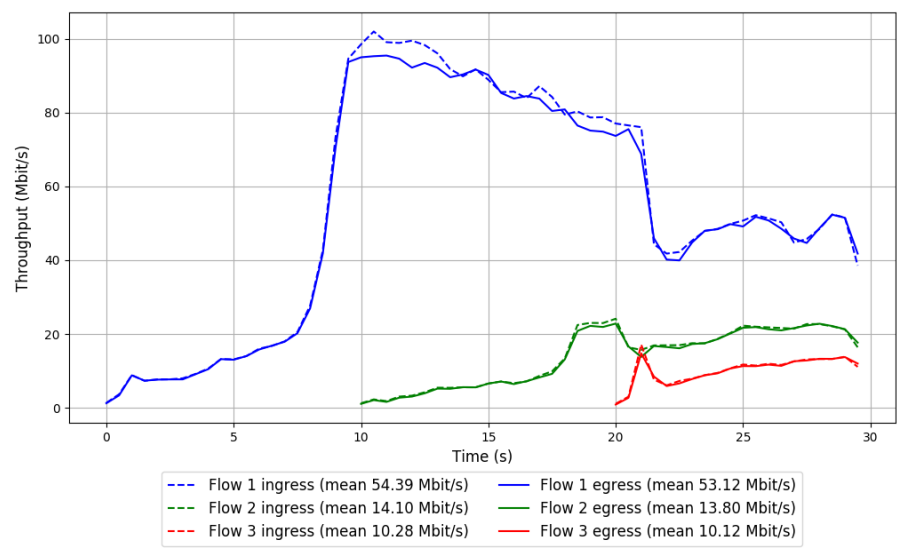


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-06 19:09:43
End at: 2018-03-06 19:10:13
Local clock offset: 0.948 ms
Remote clock offset: -5.171 ms

Below is generated by plot.py at 2018-03-06 21:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.61 Mbit/s
95th percentile per-packet one-way delay: 62.585 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 53.12 Mbit/s
95th percentile per-packet one-way delay: 62.955 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: 62.001 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 48.340 ms
Loss rate: 1.79%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-03-06 19:38:28

End at: 2018-03-06 19:38:58

Local clock offset: 0.808 ms

Remote clock offset: -5.22 ms

Below is generated by plot.py at 2018-03-06 21:17:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.52 Mbit/s

95th percentile per-packet one-way delay: 45.088 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 25.30 Mbit/s

95th percentile per-packet one-way delay: 42.267 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 45.386 ms

Loss rate: 1.70%

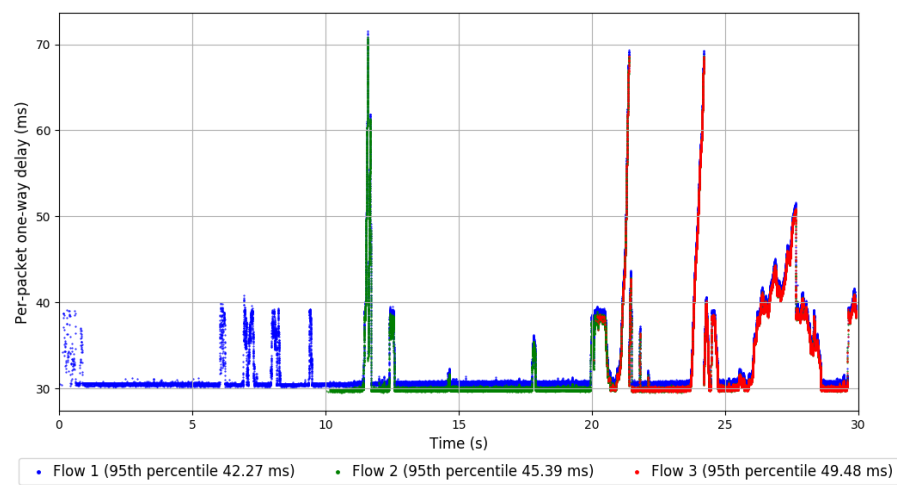
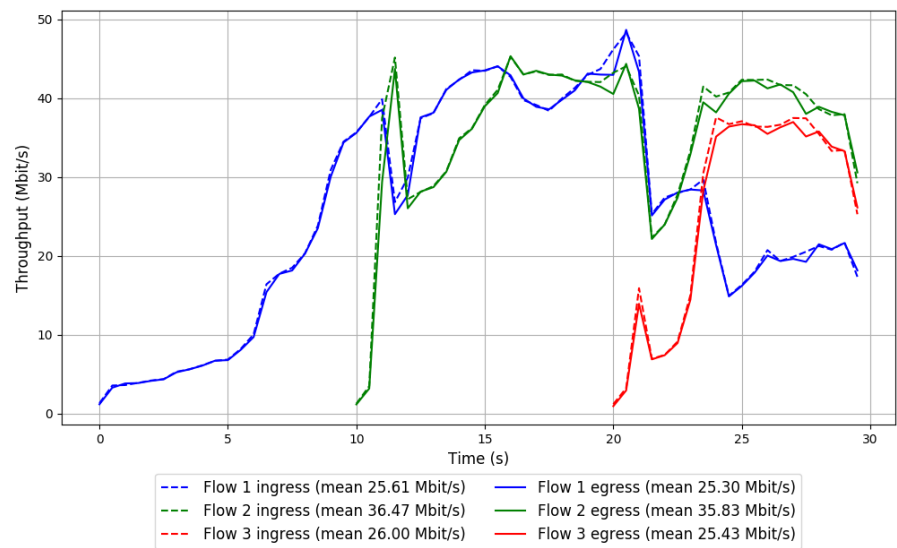
-- Flow 3:

Average throughput: 25.43 Mbit/s

95th percentile per-packet one-way delay: 49.478 ms

Loss rate: 2.15%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-06 20:05:14
End at: 2018-03-06 20:05:44
Local clock offset: 0.975 ms
Remote clock offset: -7.135 ms

Below is generated by plot.py at 2018-03-06 21:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.85 Mbit/s
95th percentile per-packet one-way delay: 56.286 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 68.29 Mbit/s
95th percentile per-packet one-way delay: 56.092 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 56.875 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 57.364 ms
Loss rate: 1.65%

Run 10: Report of Vivace-LTE — Data Link

