

Pantheon Report

Generated at 2018-02-28 10:28:48 (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).

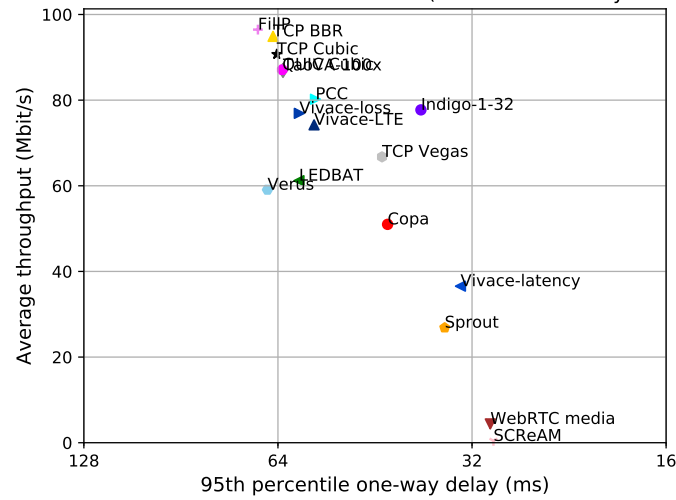
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

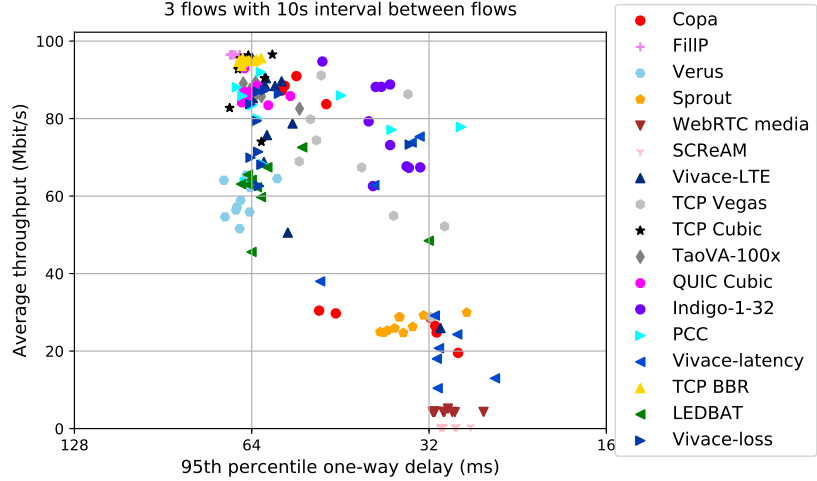
Git summary:

```
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



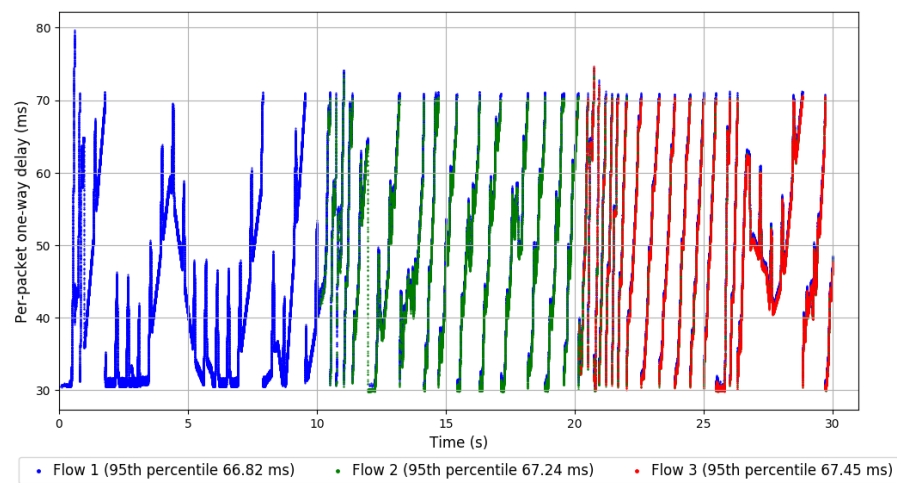
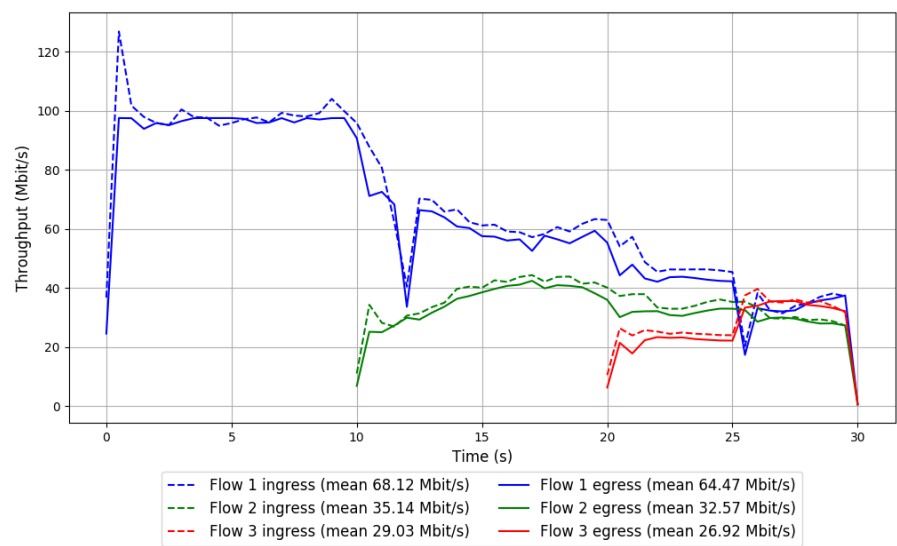
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	62.20	33.25	32.16	64.49	65.80	66.19	5.76	8.06	8.70
TCP Cubic	10	55.74	39.47	26.17	63.46	64.70	64.13	0.63	0.71	0.60
LEDBAT	10	38.43	23.64	21.49	58.26	60.48	57.63	0.21	0.38	0.30
PCC	10	59.90	26.26	8.65	55.16	57.46	58.90	3.22	4.44	4.05
QUIC Cubic	10	58.59	31.17	23.74	62.46	63.09	63.25	1.44	1.71	1.38
SCReAM	10	0.21	0.21	0.22	29.37	29.56	29.51	0.05	0.12	0.00
WebRTC media	10	2.31	1.50	0.59	29.92	29.84	29.95	0.03	0.03	0.01
Sprout	10	13.57	13.41	13.24	34.95	35.27	36.02	0.02	0.04	0.02
TaoVA-100x	10	51.47	41.25	26.80	59.35	63.49	65.96	13.11	23.88	18.66
TCP Vegas	10	33.94	29.80	39.10	42.79	41.51	37.41	0.17	0.39	0.47
Verus	10	34.50	28.04	20.11	65.46	66.18	65.72	35.05	40.23	38.29
Copa	10	43.03	8.06	7.80	42.43	39.87	38.48	35.96	22.87	23.63
FillP	10	52.41	39.45	54.35	68.73	68.69	68.84	27.67	34.31	37.16
Indigo-1-32	10	44.09	34.26	33.38	36.69	39.36	40.78	0.07	0.14	0.08
Vivace-latency	10	25.03	13.29	8.16	33.05	32.93	34.41	0.10	0.09	0.07
Vivace-loss	10	52.33	29.87	14.37	59.04	59.76	58.50	3.41	4.03	4.17
Vivace-LTE	10	50.26	30.80	10.59	54.72	57.76	57.28	1.31	1.49	1.69

Run 1: Statistics of TCP BBR

Start at: 2018-02-28 04:51:16
End at: 2018-02-28 04:51:46
Local clock offset: -2.432 ms
Remote clock offset: -4.973 ms

Below is generated by plot.py at 2018-02-28 10:02:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 67.029 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 66.821 ms
Loss rate: 5.30%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 67.238 ms
Loss rate: 7.26%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 67.451 ms
Loss rate: 7.44%

Run 1: Report of TCP BBR — Data Link

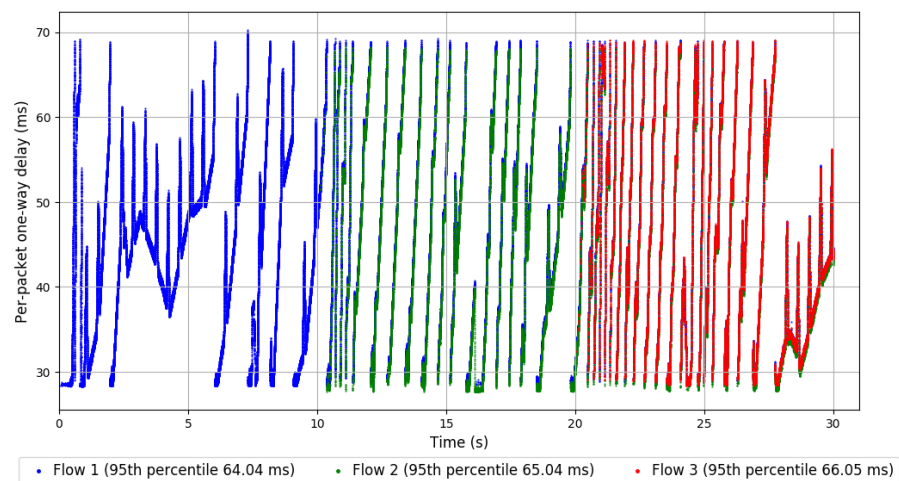
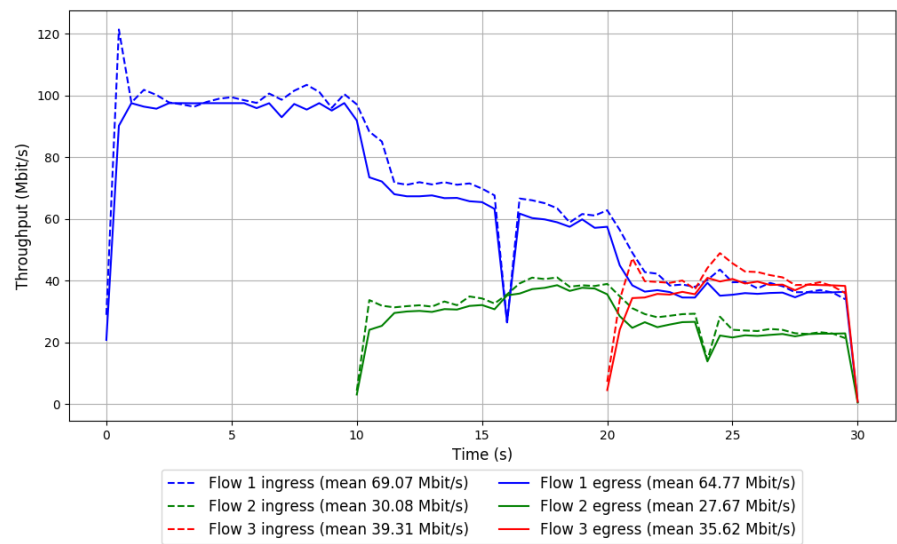


Run 2: Statistics of TCP BBR

Start at: 2018-02-28 05:22:56
End at: 2018-02-28 05:23:26
Local clock offset: 1.979 ms
Remote clock offset: -7.469 ms

Below is generated by plot.py at 2018-02-28 10:02:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 64.636 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 64.042 ms
Loss rate: 6.17%
-- Flow 2:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 65.039 ms
Loss rate: 8.03%
-- Flow 3:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 66.046 ms
Loss rate: 9.31%

Run 2: Report of TCP BBR — Data Link

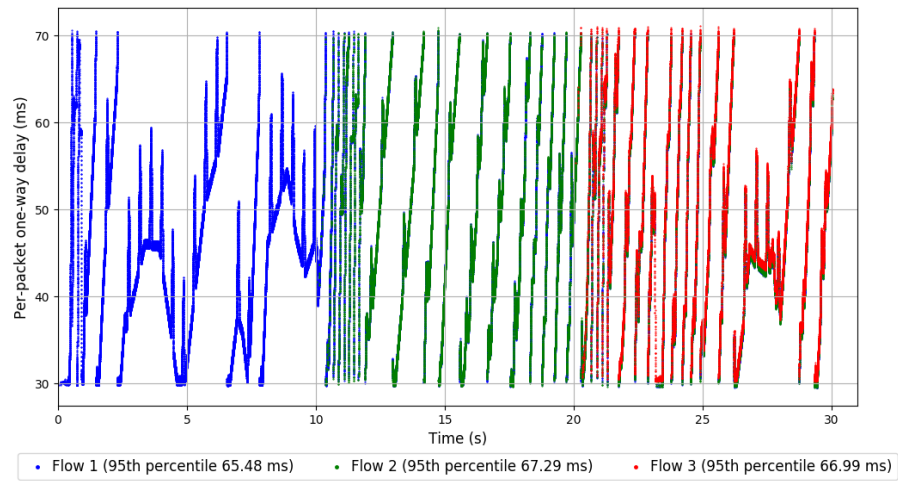
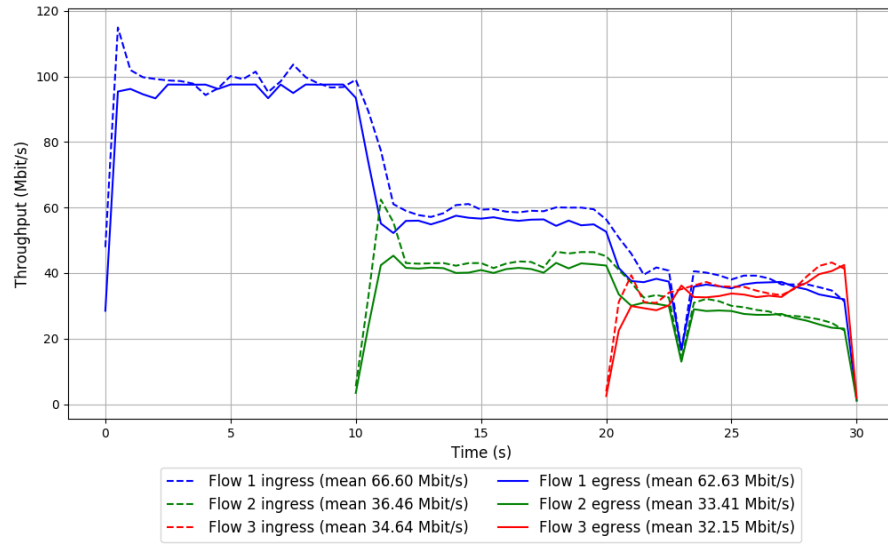


Run 3: Statistics of TCP BBR

Start at: 2018-02-28 05:52:23
End at: 2018-02-28 05:52:53
Local clock offset: 0.688 ms
Remote clock offset: -4.404 ms

Below is generated by plot.py at 2018-02-28 10:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 66.288 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 65.482 ms
Loss rate: 5.88%
-- Flow 2:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 67.290 ms
Loss rate: 8.28%
-- Flow 3:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 66.989 ms
Loss rate: 7.11%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-28 06:20:34

End at: 2018-02-28 06:21:04

Local clock offset: -7.664 ms

Remote clock offset: -6.2 ms

Below is generated by plot.py at 2018-02-28 10:02:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 63.396 ms

Loss rate: 5.84%

-- Flow 1:

Average throughput: 60.91 Mbit/s

95th percentile per-packet one-way delay: 62.816 ms

Loss rate: 5.20%

-- Flow 2:

Average throughput: 33.80 Mbit/s

95th percentile per-packet one-way delay: 63.771 ms

Loss rate: 6.43%

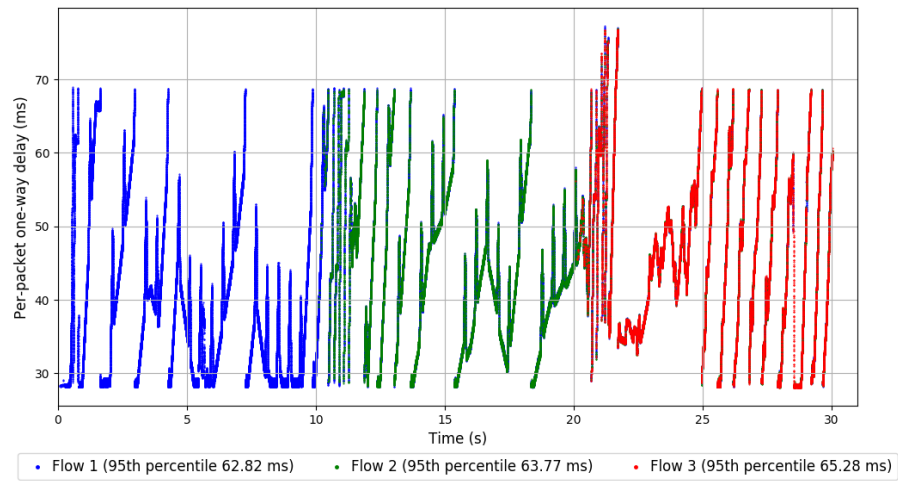
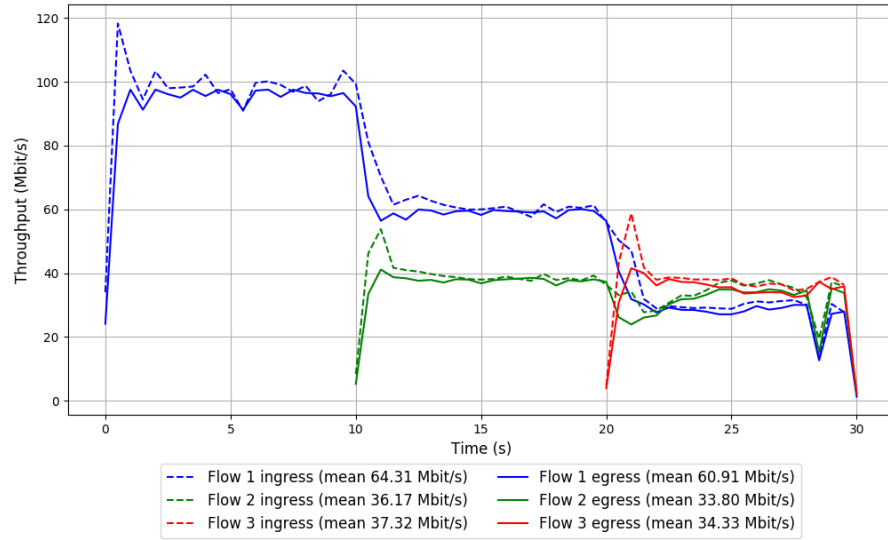
-- Flow 3:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 65.279 ms

Loss rate: 7.98%

Run 4: Report of TCP BBR — Data Link

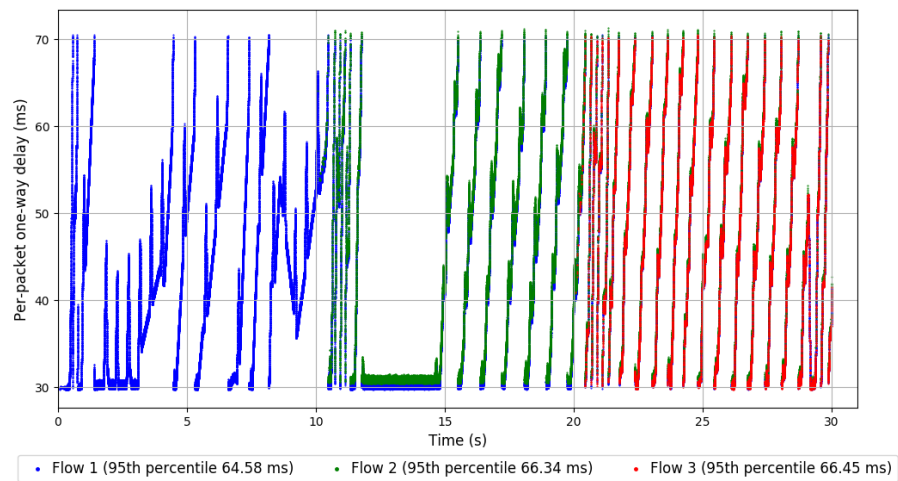
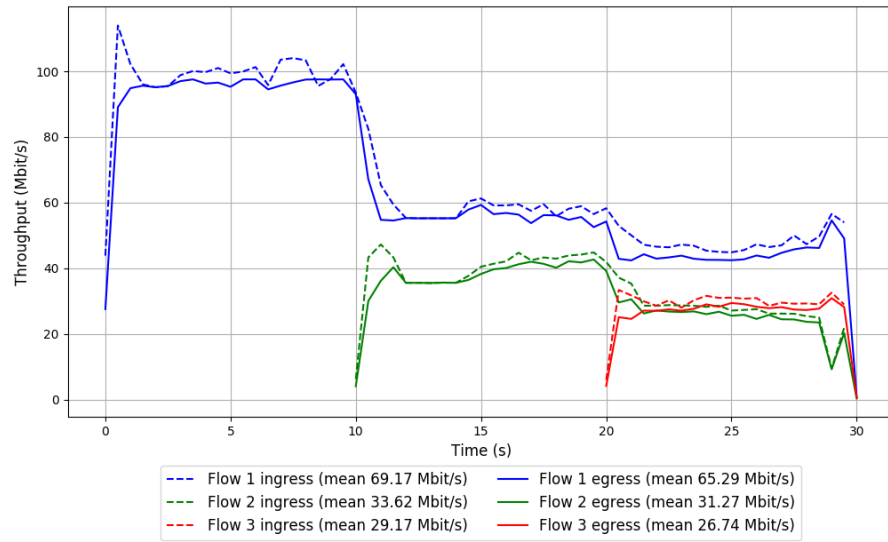


Run 5: Statistics of TCP BBR

Start at: 2018-02-28 06:48:43
End at: 2018-02-28 06:49:13
Local clock offset: -4.716 ms
Remote clock offset: -4.523 ms

Below is generated by plot.py at 2018-02-28 10:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 65.297 ms
Loss rate: 6.17%
-- Flow 1:
Average throughput: 65.29 Mbit/s
95th percentile per-packet one-way delay: 64.581 ms
Loss rate: 5.57%
-- Flow 2:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 66.341 ms
Loss rate: 7.08%
-- Flow 3:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 66.451 ms
Loss rate: 8.34%

Run 5: Report of TCP BBR — Data Link

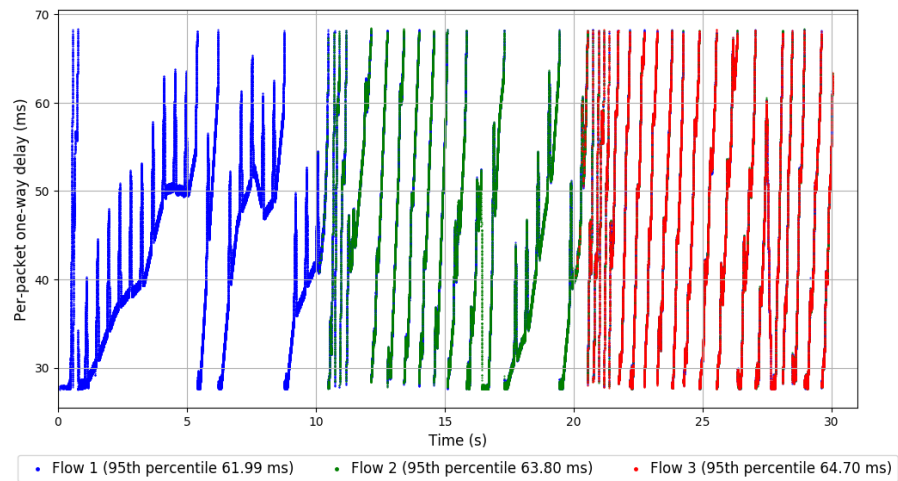
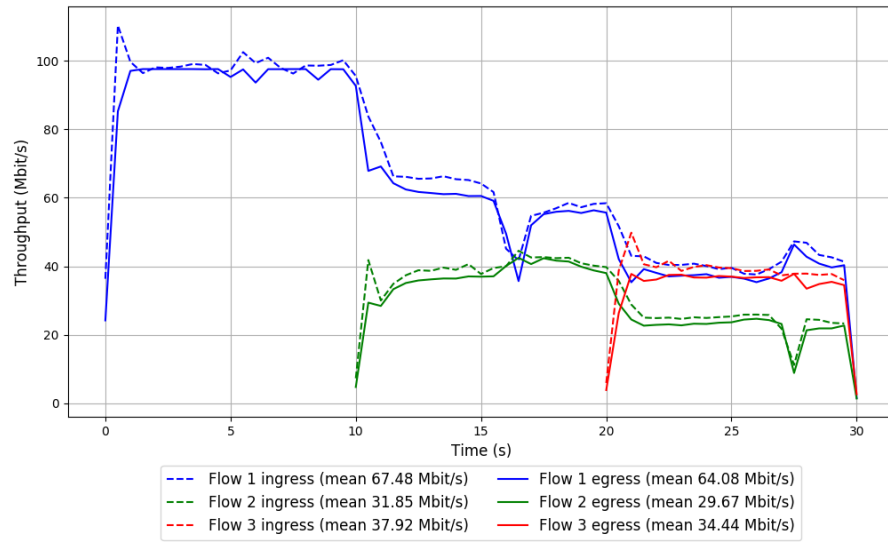


Run 6: Statistics of TCP BBR

Start at: 2018-02-28 07:18:42
End at: 2018-02-28 07:19:12
Local clock offset: -4.495 ms
Remote clock offset: -6.144 ms

Below is generated by plot.py at 2018-02-28 10:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 62.832 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 64.08 Mbit/s
95th percentile per-packet one-way delay: 61.986 ms
Loss rate: 4.97%
-- Flow 2:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 63.805 ms
Loss rate: 6.79%
-- Flow 3:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 64.703 ms
Loss rate: 8.98%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-02-28 07:49:00

End at: 2018-02-28 07:49:30

Local clock offset: 1.108 ms

Remote clock offset: 0.341 ms

Below is generated by plot.py at 2018-02-28 10:02:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 66.562 ms

Loss rate: 7.15%

-- Flow 1:

Average throughput: 58.48 Mbit/s

95th percentile per-packet one-way delay: 66.193 ms

Loss rate: 6.46%

-- Flow 2:

Average throughput: 38.66 Mbit/s

95th percentile per-packet one-way delay: 66.999 ms

Loss rate: 8.81%

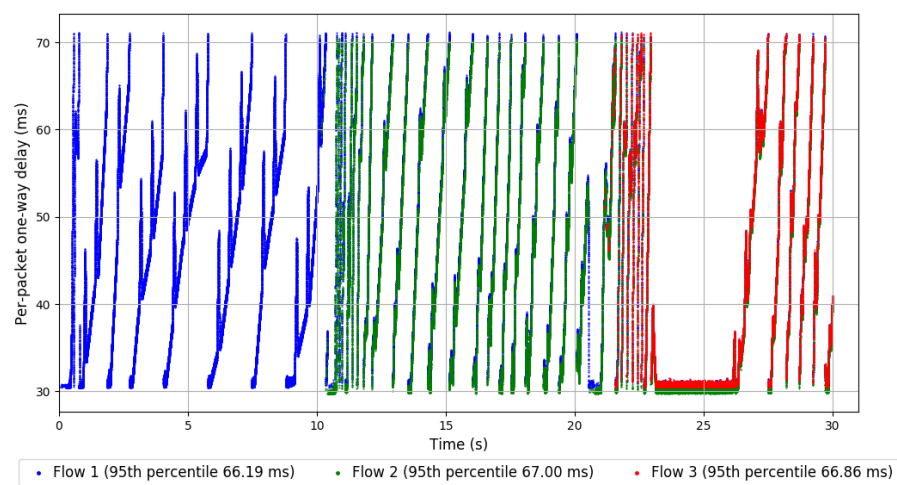
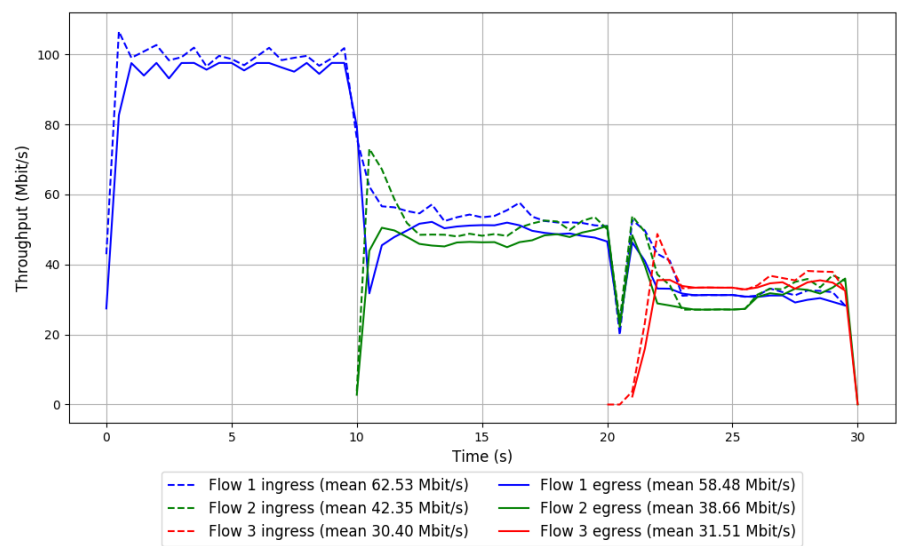
-- Flow 3:

Average throughput: 31.51 Mbit/s

95th percentile per-packet one-way delay: 66.858 ms

Loss rate: 6.80%

Run 7: Report of TCP BBR — Data Link

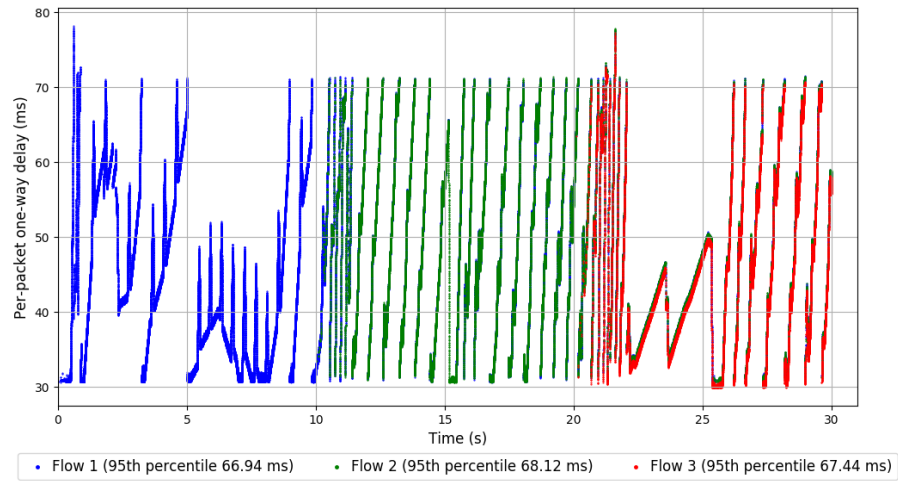
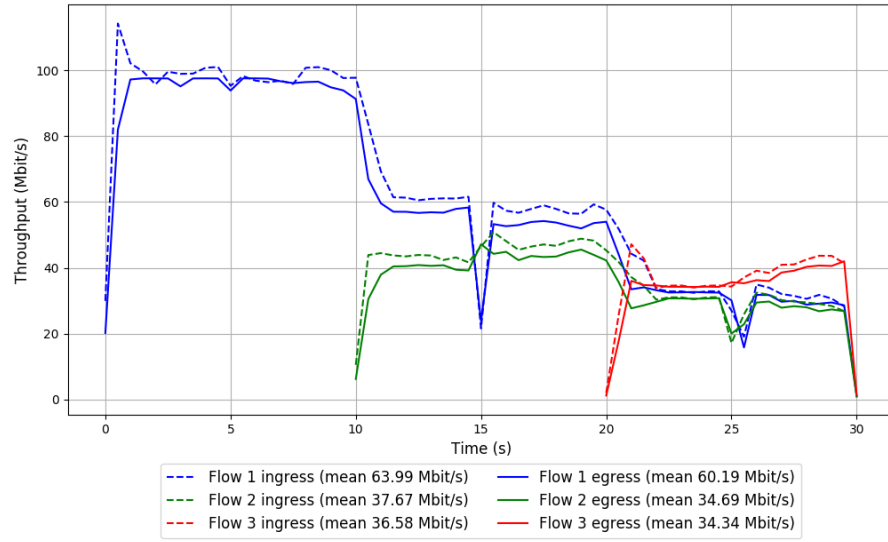


Run 8: Statistics of TCP BBR

Start at: 2018-02-28 08:21:54
End at: 2018-02-28 08:22:24
Local clock offset: -5.478 ms
Remote clock offset: -3.965 ms

Below is generated by plot.py at 2018-02-28 10:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 67.340 ms
Loss rate: 6.37%
-- Flow 1:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 66.938 ms
Loss rate: 5.85%
-- Flow 2:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 68.117 ms
Loss rate: 7.77%
-- Flow 3:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 67.445 ms
Loss rate: 6.18%

Run 8: Report of TCP BBR — Data Link

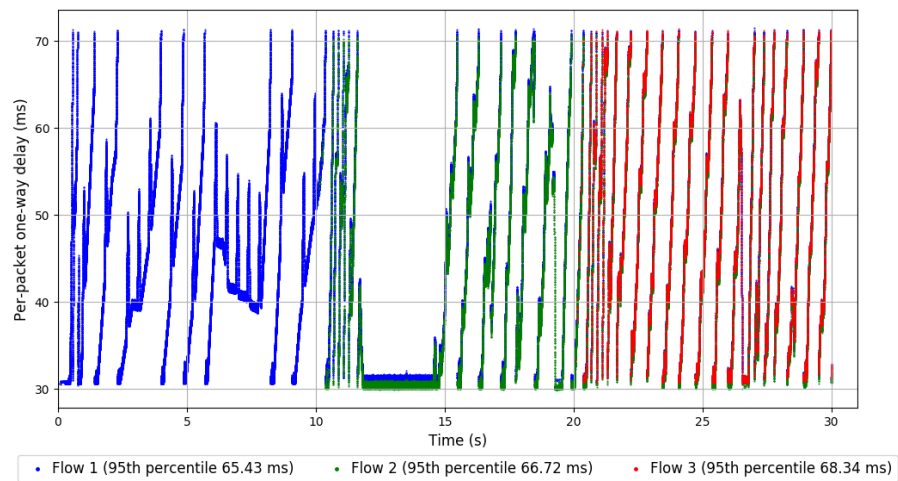
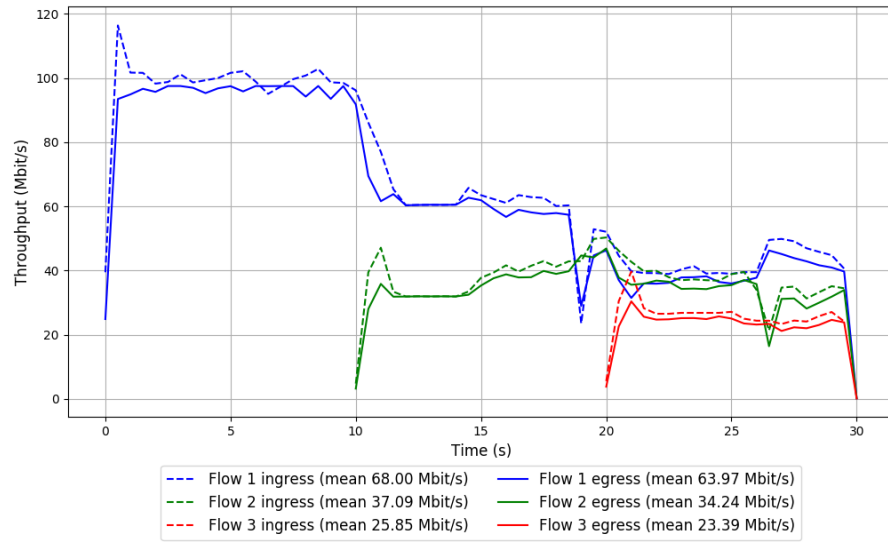


Run 9: Statistics of TCP BBR

Start at: 2018-02-28 08:51:37
End at: 2018-02-28 08:52:07
Local clock offset: 0.163 ms
Remote clock offset: -4.325 ms

Below is generated by plot.py at 2018-02-28 10:04:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 66.224 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 65.433 ms
Loss rate: 5.92%
-- Flow 2:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 66.719 ms
Loss rate: 7.78%
-- Flow 3:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 68.336 ms
Loss rate: 9.51%

Run 9: Report of TCP BBR — Data Link

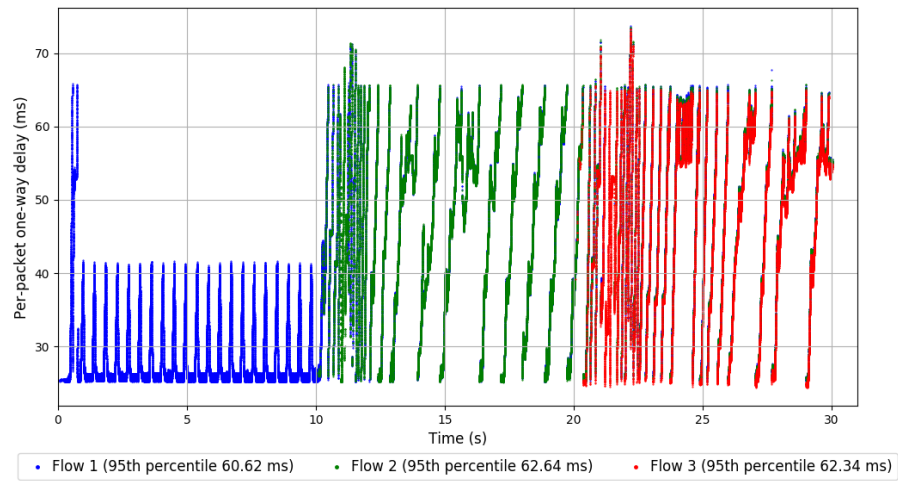
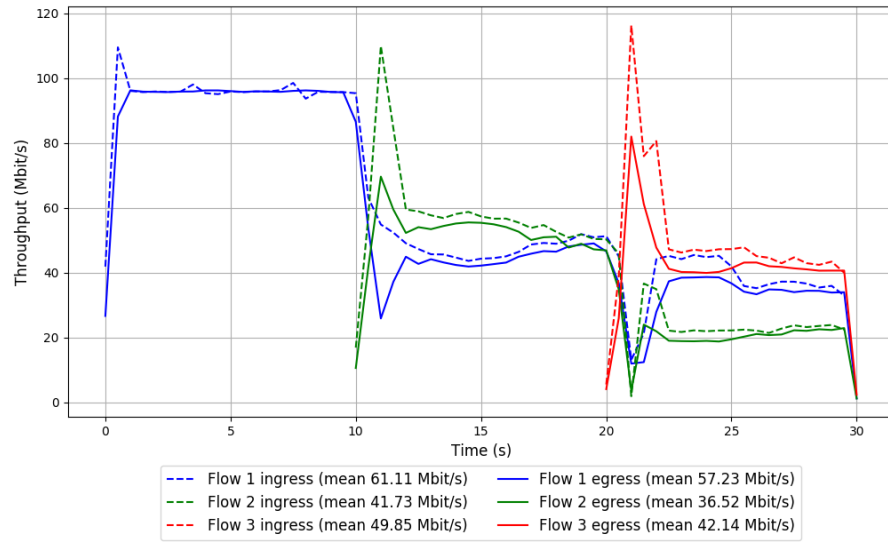


Run 10: Statistics of TCP BBR

Start at: 2018-02-28 09:19:50
End at: 2018-02-28 09:20:20
Local clock offset: -1.634 ms
Remote clock offset: -12.326 ms

Below is generated by plot.py at 2018-02-28 10:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 61.678 ms
Loss rate: 9.29%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 60.615 ms
Loss rate: 6.26%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 62.639 ms
Loss rate: 12.34%
-- Flow 3:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 62.345 ms
Loss rate: 15.32%

Run 10: Report of TCP BBR — Data Link

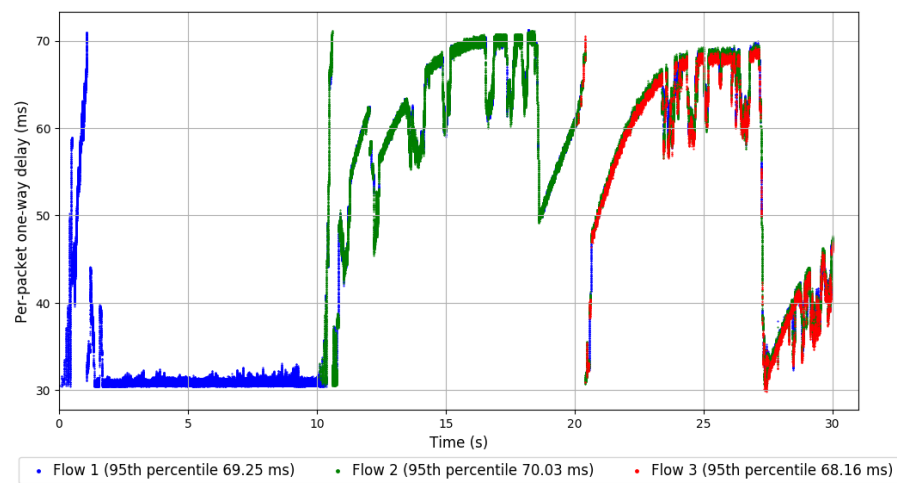
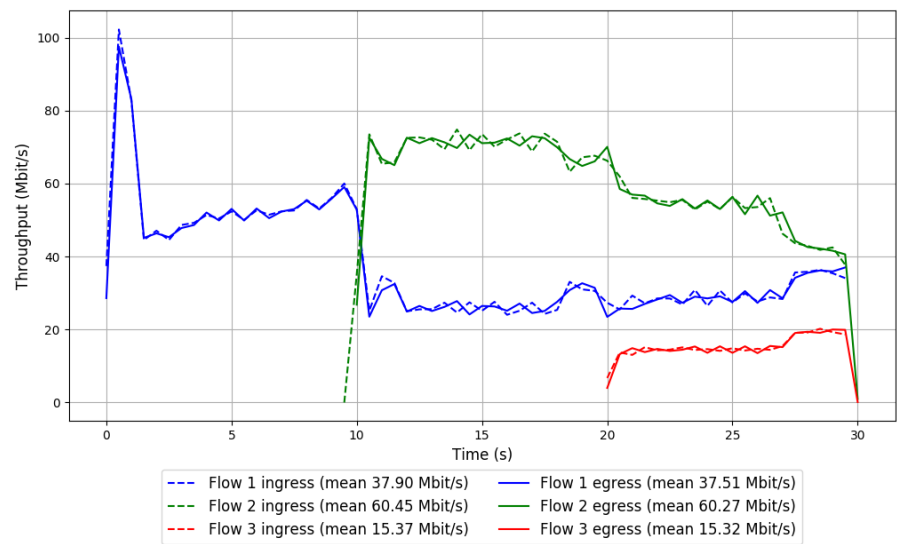


Run 1: Statistics of TCP Cubic

Start at: 2018-02-28 04:52:57
End at: 2018-02-28 04:53:27
Local clock offset: -2.126 ms
Remote clock offset: -4.881 ms

Below is generated by plot.py at 2018-02-28 10:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 69.780 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 69.254 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 60.27 Mbit/s
95th percentile per-packet one-way delay: 70.028 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 68.157 ms
Loss rate: 0.48%

Run 1: Report of TCP Cubic — Data Link

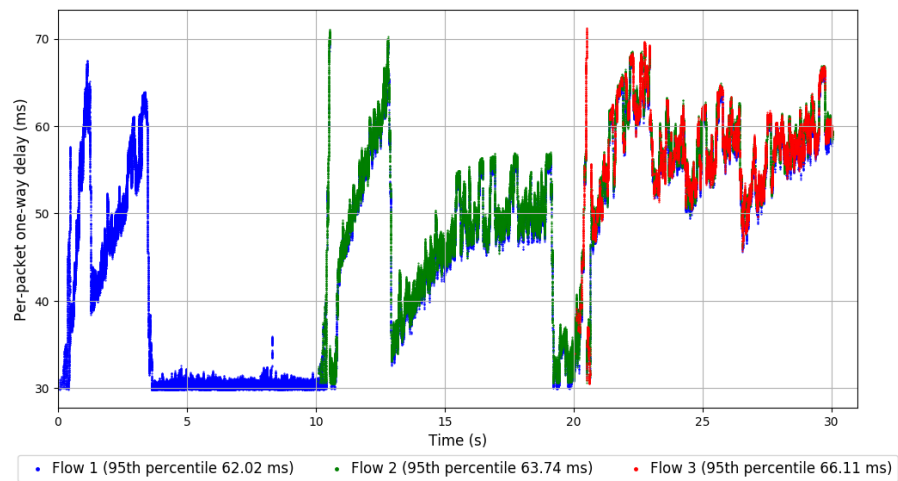
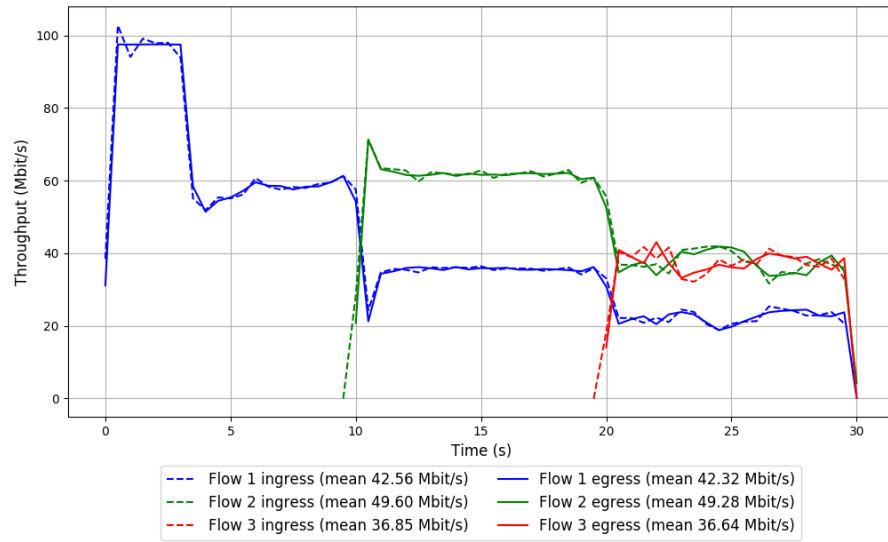


Run 2: Statistics of TCP Cubic

Start at: 2018-02-28 05:24:58
End at: 2018-02-28 05:25:28
Local clock offset: 2.279 ms
Remote clock offset: -5.321 ms

Below is generated by plot.py at 2018-02-28 10:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.34 Mbit/s
95th percentile per-packet one-way delay: 63.562 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 42.32 Mbit/s
95th percentile per-packet one-way delay: 62.023 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 63.740 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 66.113 ms
Loss rate: 0.31%

Run 2: Report of TCP Cubic — Data Link

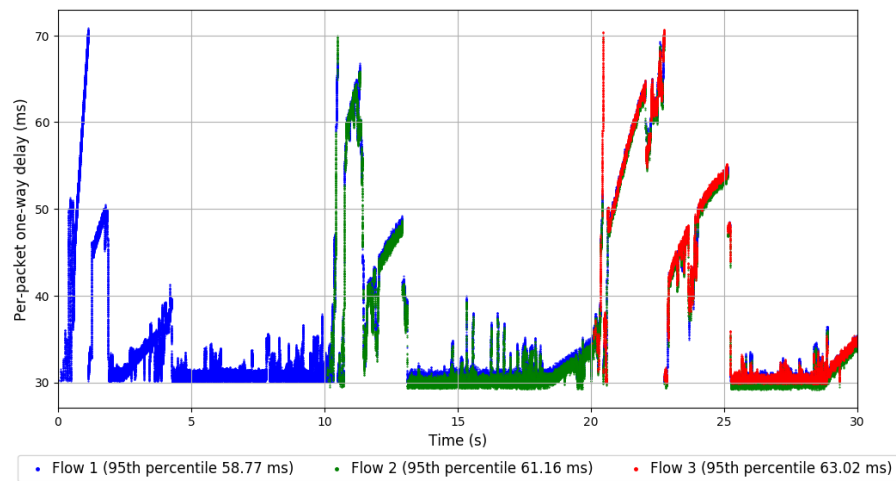
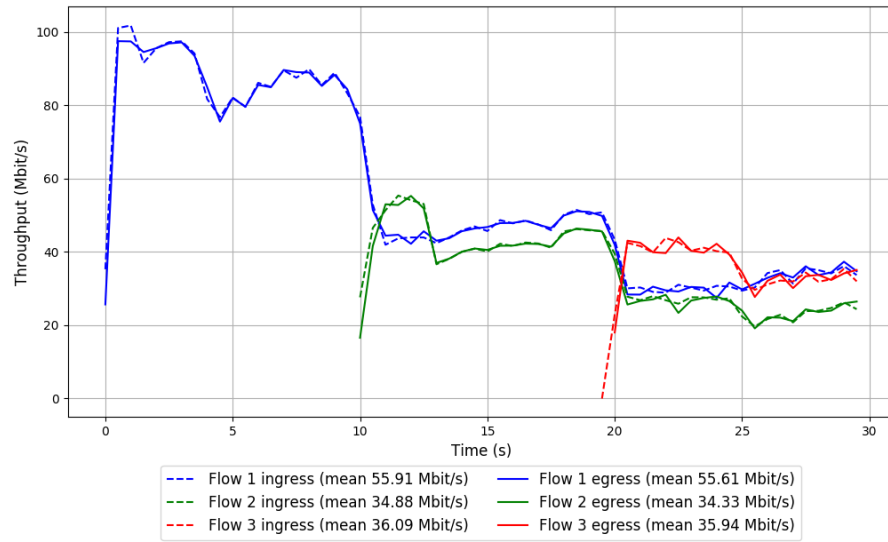


Run 3: Statistics of TCP Cubic

Start at: 2018-02-28 05:53:53
End at: 2018-02-28 05:54:23
Local clock offset: -0.342 ms
Remote clock offset: -4.807 ms

Below is generated by plot.py at 2018-02-28 10:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.41 Mbit/s
95th percentile per-packet one-way delay: 60.868 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 58.772 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 61.158 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 63.018 ms
Loss rate: 0.43%

Run 3: Report of TCP Cubic — Data Link

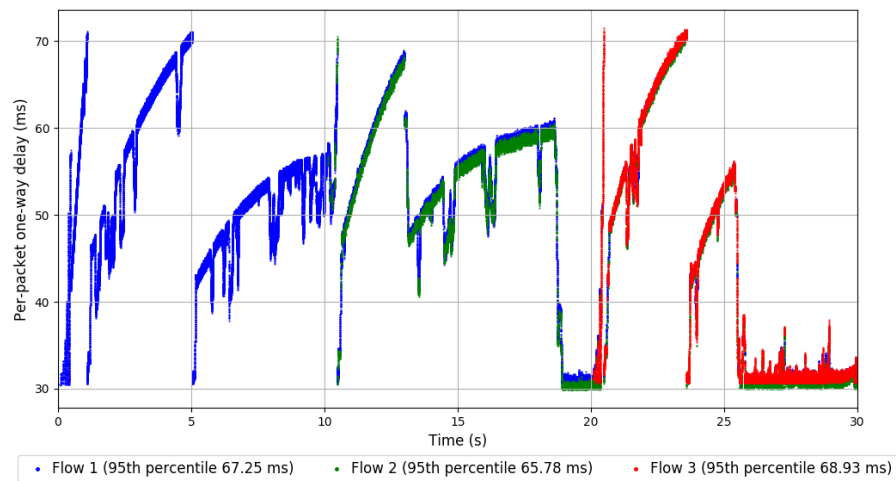
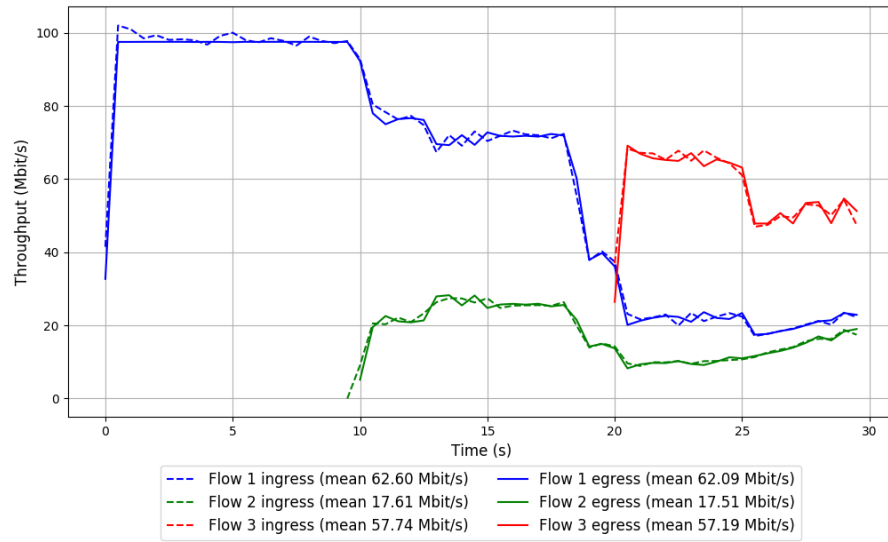


Run 4: Statistics of TCP Cubic

Start at: 2018-02-28 06:22:17
End at: 2018-02-28 06:22:47
Local clock offset: -7.927 ms
Remote clock offset: -4.152 ms

Below is generated by plot.py at 2018-02-28 10:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 67.505 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 62.09 Mbit/s
95th percentile per-packet one-way delay: 67.255 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 65.784 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 57.19 Mbit/s
95th percentile per-packet one-way delay: 68.930 ms
Loss rate: 0.95%

Run 4: Report of TCP Cubic — Data Link

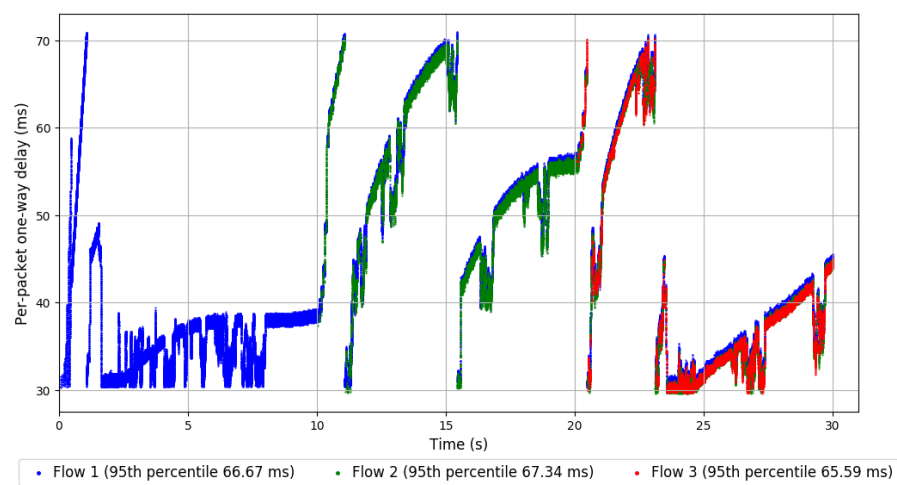
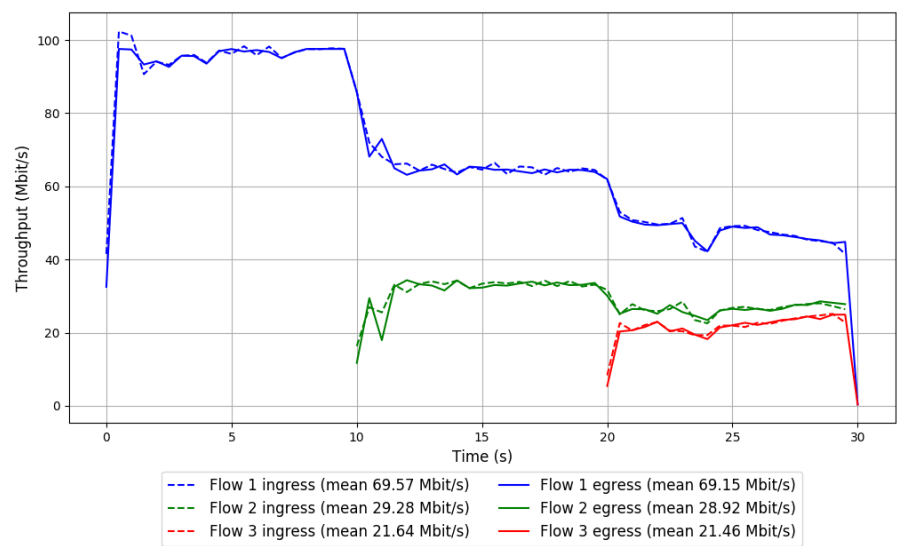


Run 5: Statistics of TCP Cubic

Start at: 2018-02-28 06:50:18
End at: 2018-02-28 06:50:48
Local clock offset: -4.684 ms
Remote clock offset: -4.566 ms

Below is generated by plot.py at 2018-02-28 10:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 66.841 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 69.15 Mbit/s
95th percentile per-packet one-way delay: 66.668 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 67.343 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 65.590 ms
Loss rate: 0.97%

Run 5: Report of TCP Cubic — Data Link

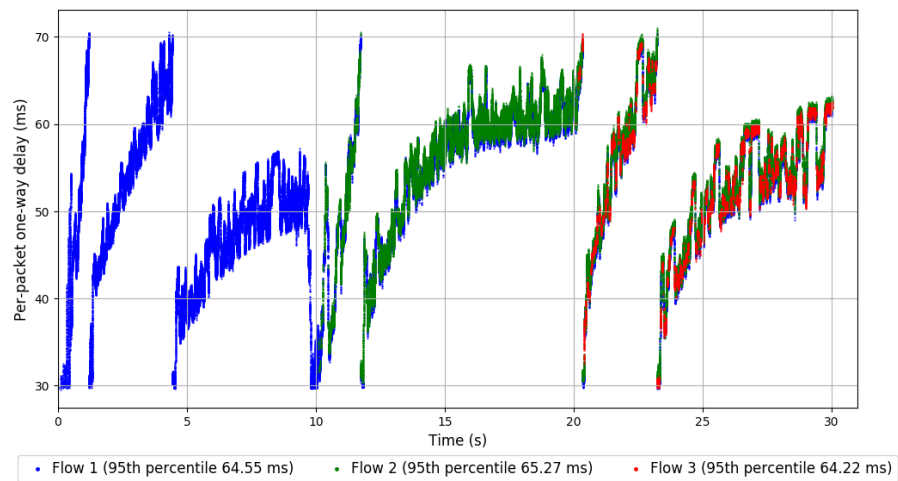
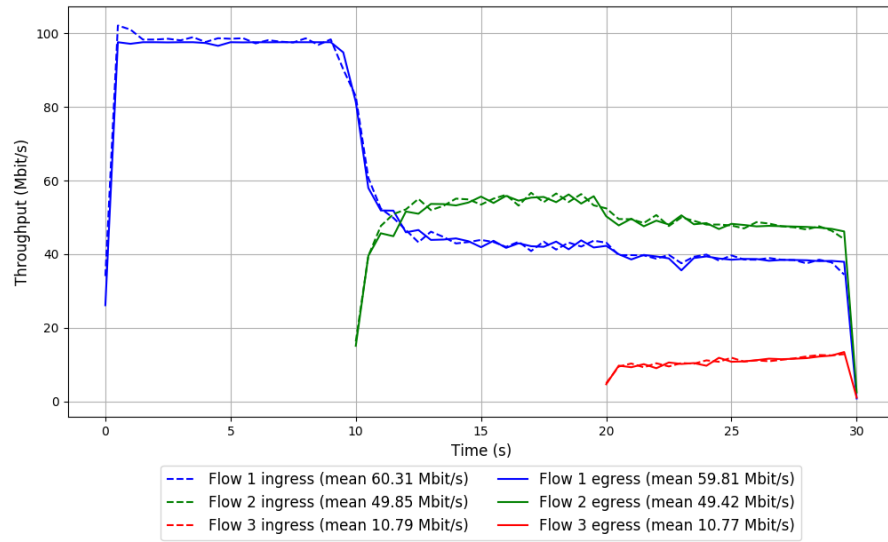


Run 6: Statistics of TCP Cubic

Start at: 2018-02-28 07:20:40
End at: 2018-02-28 07:21:10
Local clock offset: -4.539 ms
Remote clock offset: -4.016 ms

Below is generated by plot.py at 2018-02-28 10:04:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 64.852 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 64.551 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 65.266 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 64.225 ms
Loss rate: 0.20%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-02-28 07:50:54

End at: 2018-02-28 07:51:24

Local clock offset: 1.434 ms

Remote clock offset: 0.553 ms

Below is generated by plot.py at 2018-02-28 10:05:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 63.870 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 67.55 Mbit/s

95th percentile per-packet one-way delay: 63.292 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 65.242 ms

Loss rate: 0.34%

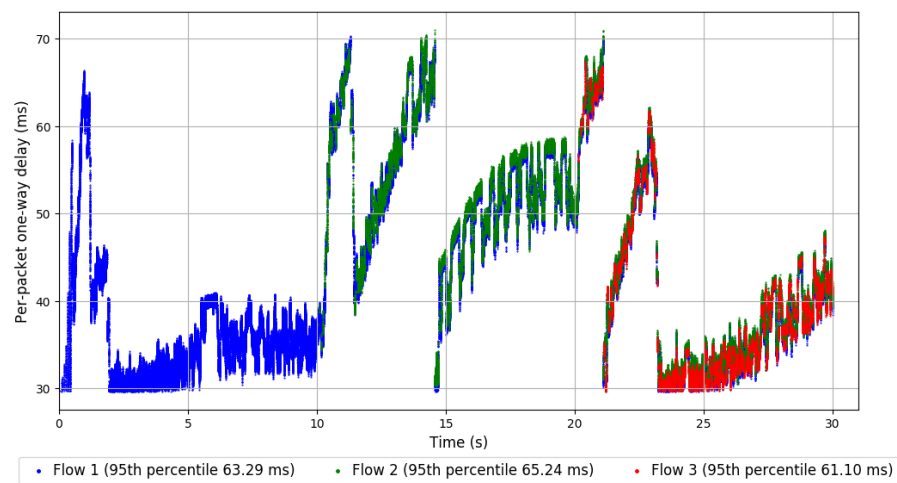
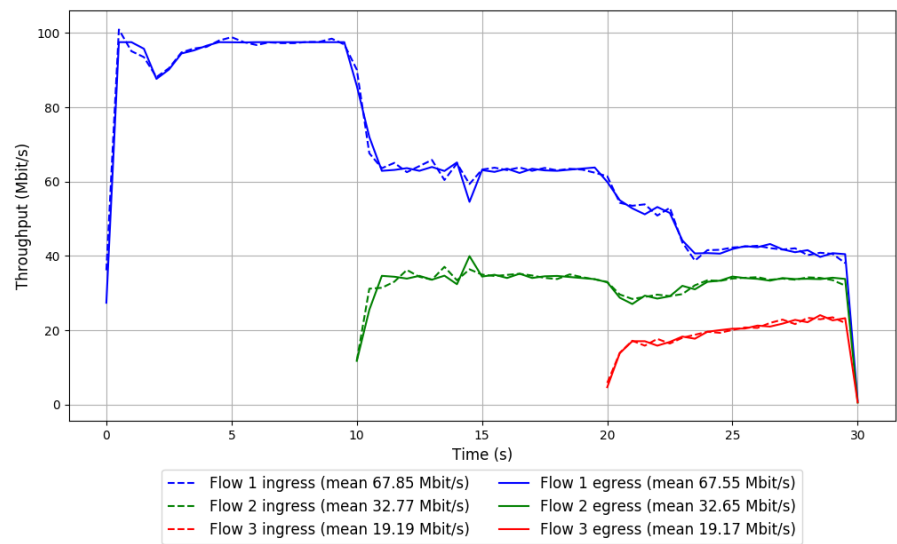
-- Flow 3:

Average throughput: 19.17 Mbit/s

95th percentile per-packet one-way delay: 61.104 ms

Loss rate: 0.21%

Run 7: Report of TCP Cubic — Data Link

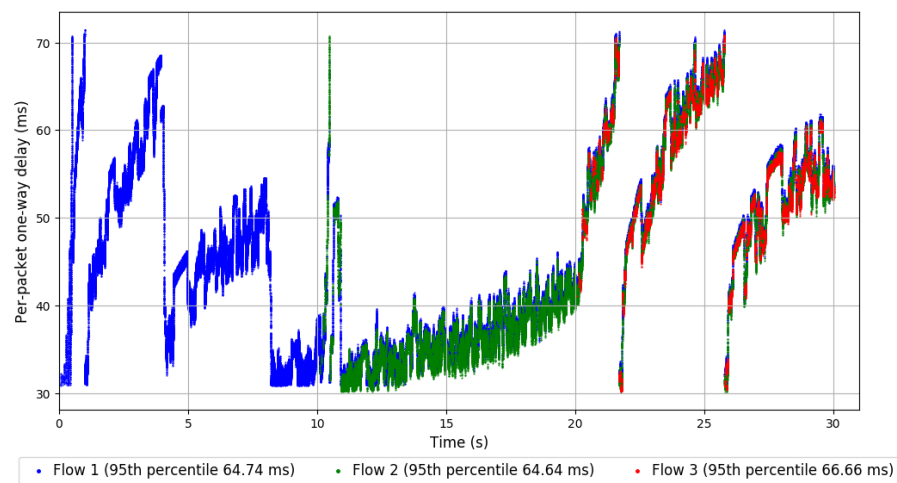
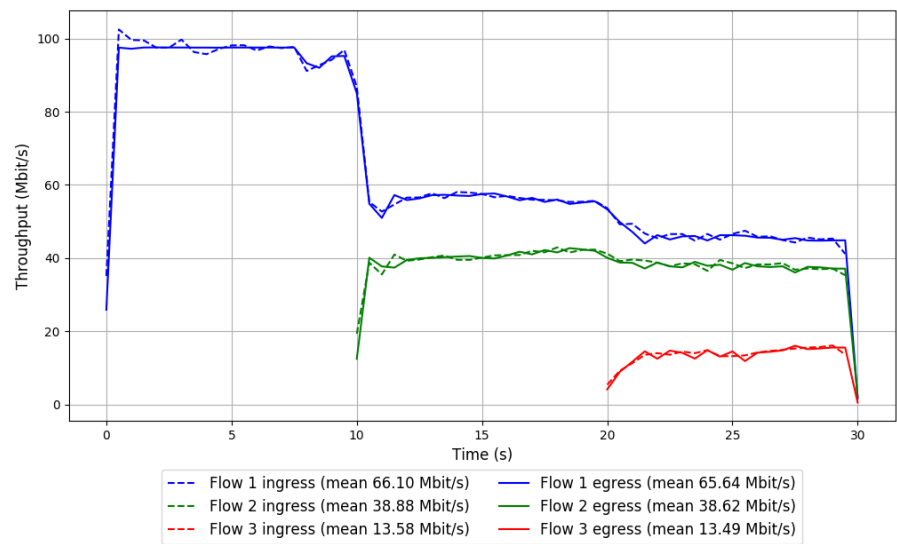


Run 8: Statistics of TCP Cubic

Start at: 2018-02-28 08:23:43
End at: 2018-02-28 08:24:13
Local clock offset: -5.958 ms
Remote clock offset: -3.878 ms

Below is generated by plot.py at 2018-02-28 10:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 64.862 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 64.738 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 64.636 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 66.657 ms
Loss rate: 0.54%

Run 8: Report of TCP Cubic — Data Link

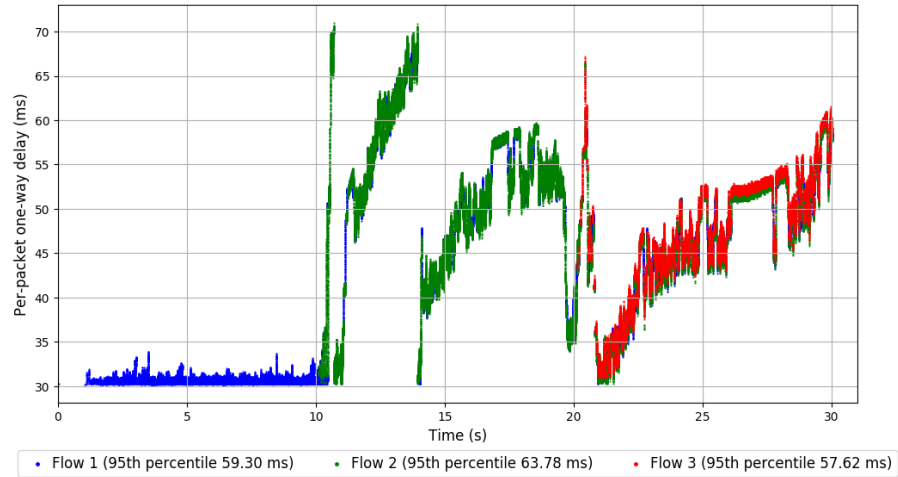
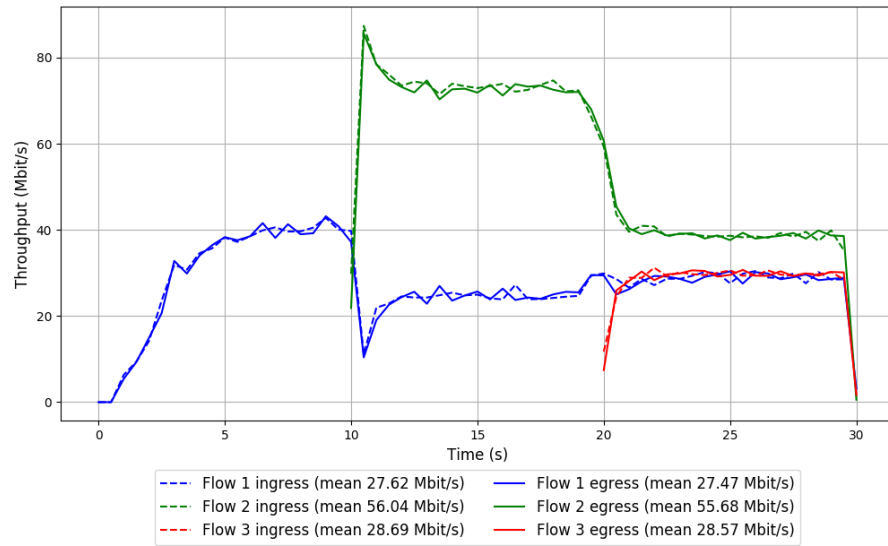


Run 9: Statistics of TCP Cubic

Start at: 2018-02-28 08:53:29
End at: 2018-02-28 08:53:59
Local clock offset: 0.733 ms
Remote clock offset: -3.959 ms

Below is generated by plot.py at 2018-02-28 10:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 61.626 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 59.303 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 55.68 Mbit/s
95th percentile per-packet one-way delay: 63.780 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 57.615 ms
Loss rate: 0.20%

Run 9: Report of TCP Cubic — Data Link

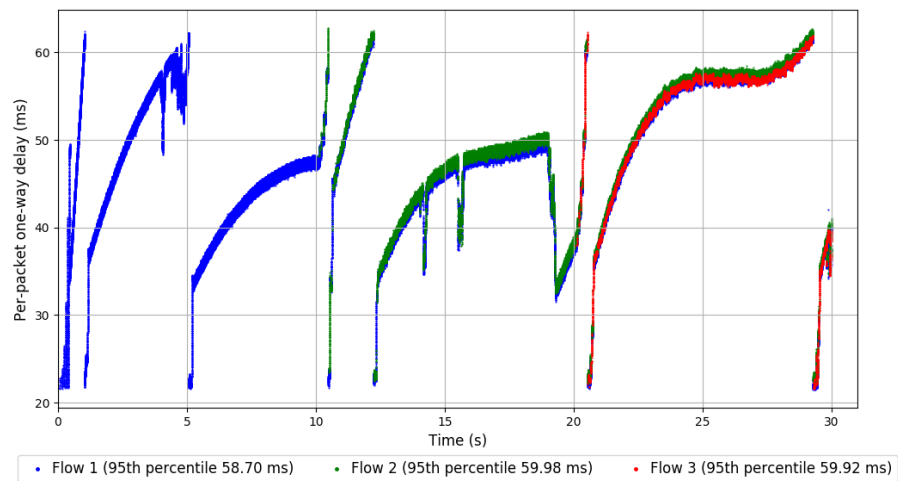
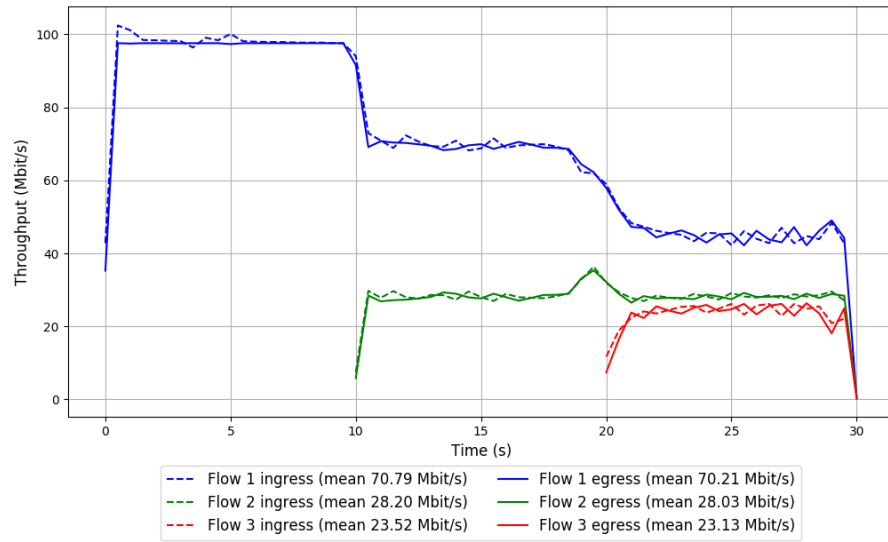


Run 10: Statistics of TCP Cubic

Start at: 2018-02-28 09:21:20
End at: 2018-02-28 09:21:50
Local clock offset: 3.166 ms
Remote clock offset: -9.981 ms

Below is generated by plot.py at 2018-02-28 10:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 59.029 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 70.21 Mbit/s
95th percentile per-packet one-way delay: 58.704 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 59.979 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 23.13 Mbit/s
95th percentile per-packet one-way delay: 59.916 ms
Loss rate: 1.67%

Run 10: Report of TCP Cubic — Data Link

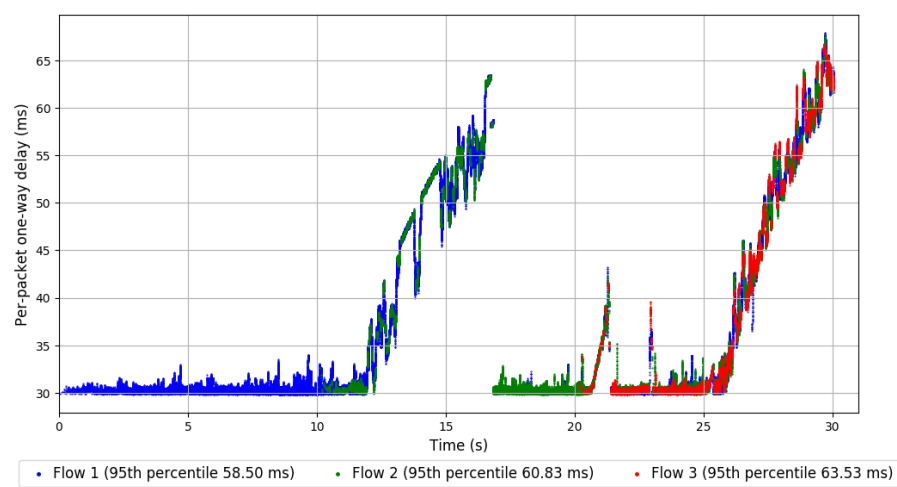
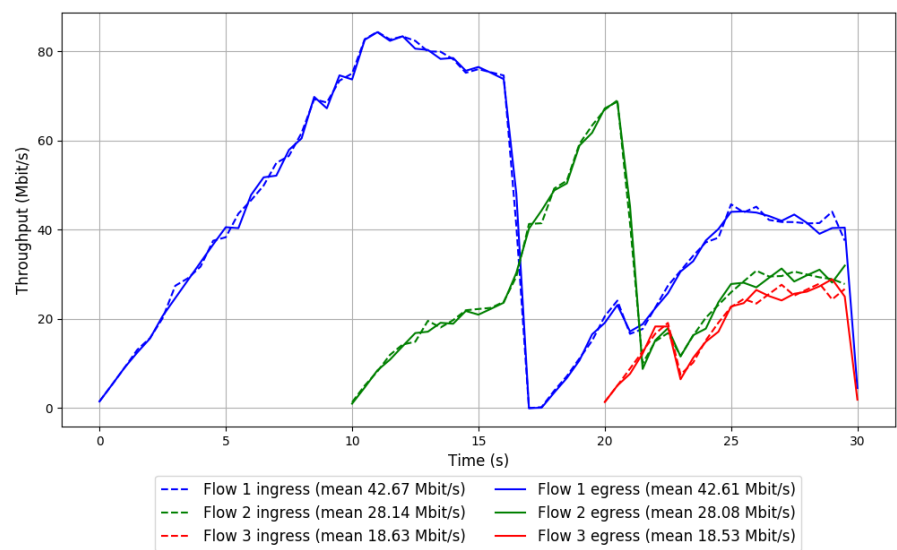


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-28 05:02:36
End at: 2018-02-28 05:03:06
Local clock offset: -0.766 ms
Remote clock offset: -3.974 ms

# Below is generated by plot.py at 2018-02-28 10:05:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 60.206 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.61 Mbit/s
95th percentile per-packet one-way delay: 58.498 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 28.08 Mbit/s
95th percentile per-packet one-way delay: 60.831 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 18.53 Mbit/s
95th percentile per-packet one-way delay: 63.527 ms
Loss rate: 0.22%
```


Run 1: Report of LEDBAT — Data Link

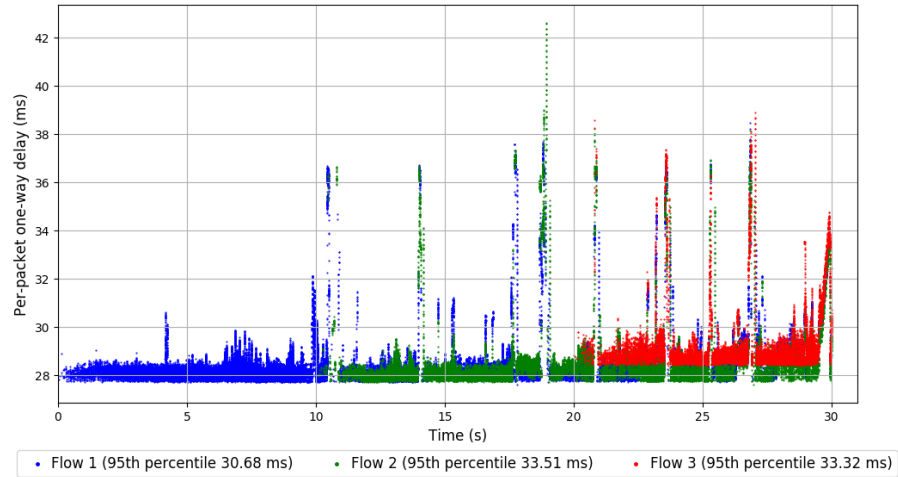
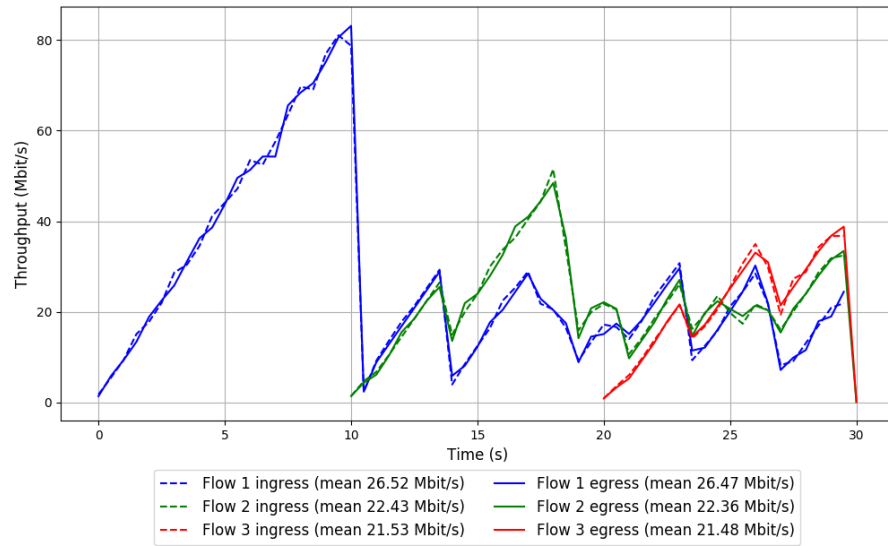


Run 2: Statistics of LEDBAT

Start at: 2018-02-28 05:34:50
End at: 2018-02-28 05:35:20
Local clock offset: 3.307 ms
Remote clock offset: -7.452 ms

Below is generated by plot.py at 2018-02-28 10:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 32.041 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 30.677 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: 33.511 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 33.317 ms
Loss rate: 0.23%

Run 2: Report of LEDBAT — Data Link

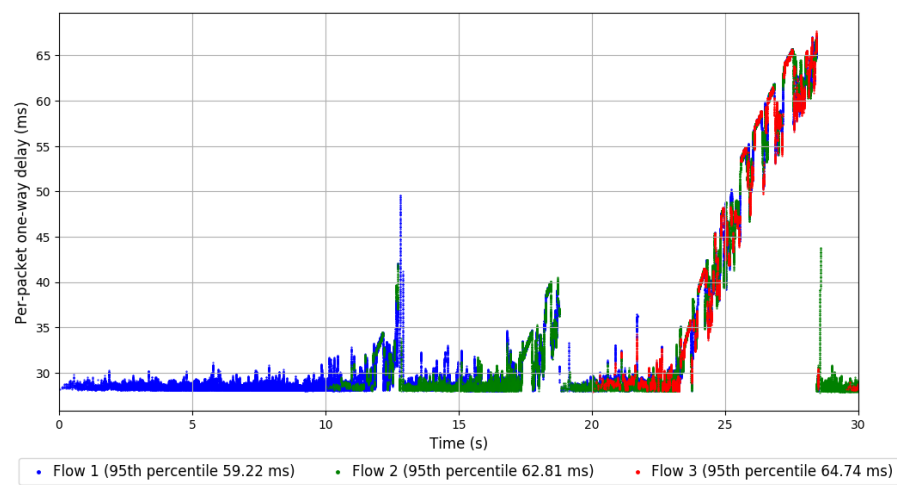
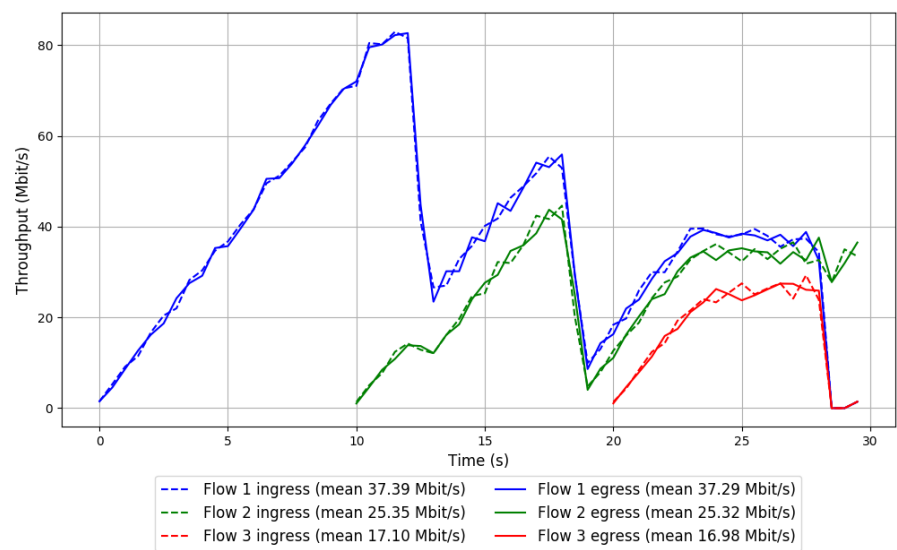


Run 3: Statistics of LEDBAT

Start at: 2018-02-28 06:02:46
End at: 2018-02-28 06:03:16
Local clock offset: -4.153 ms
Remote clock offset: -6.605 ms

Below is generated by plot.py at 2018-02-28 10:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 61.730 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 59.219 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 25.32 Mbit/s
95th percentile per-packet one-way delay: 62.814 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 64.743 ms
Loss rate: 0.73%

Run 3: Report of LEDBAT — Data Link

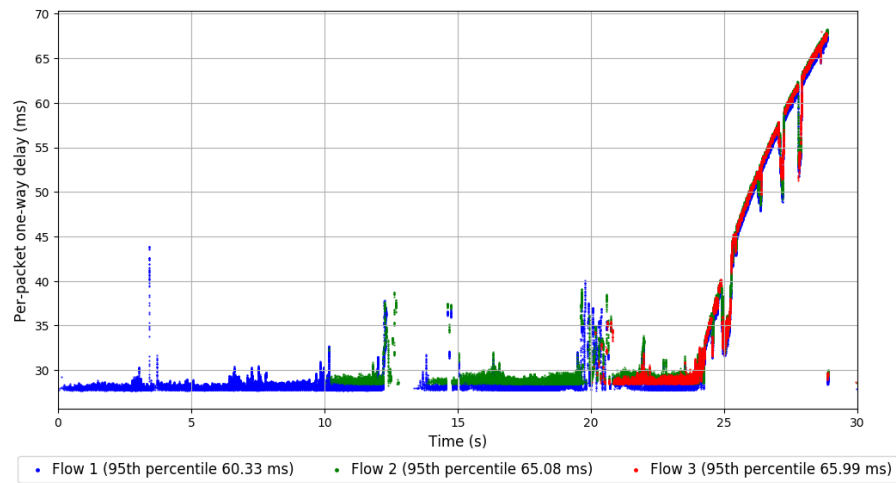
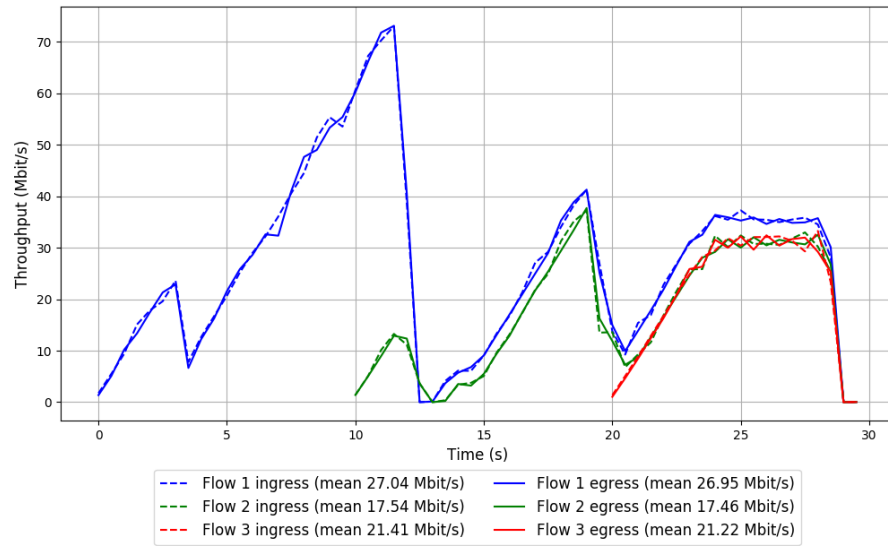


Run 4: Statistics of LEDBAT

Start at: 2018-02-28 06:31:20
End at: 2018-02-28 06:31:50
Local clock offset: -5.28 ms
Remote clock offset: -6.152 ms

Below is generated by plot.py at 2018-02-28 10:05:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 64.054 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 60.325 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 17.46 Mbit/s
95th percentile per-packet one-way delay: 65.083 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 65.991 ms
Loss rate: 0.88%

Run 4: Report of LEDBAT — Data Link

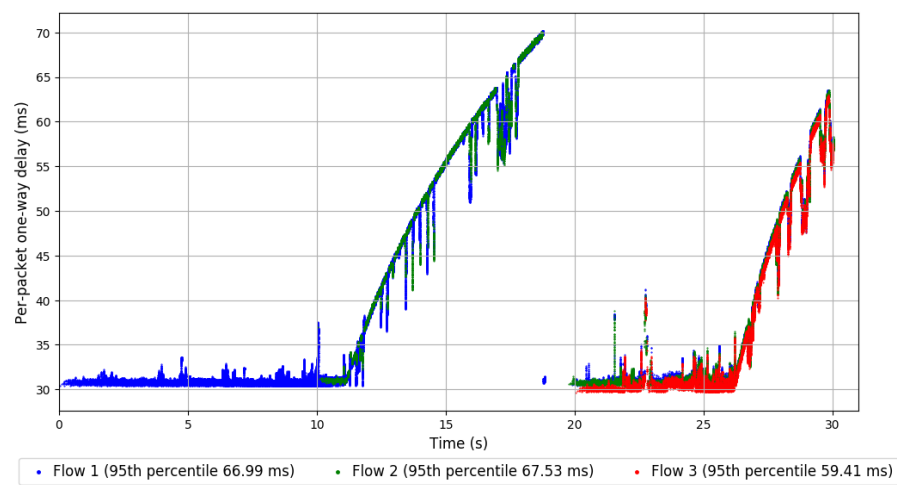
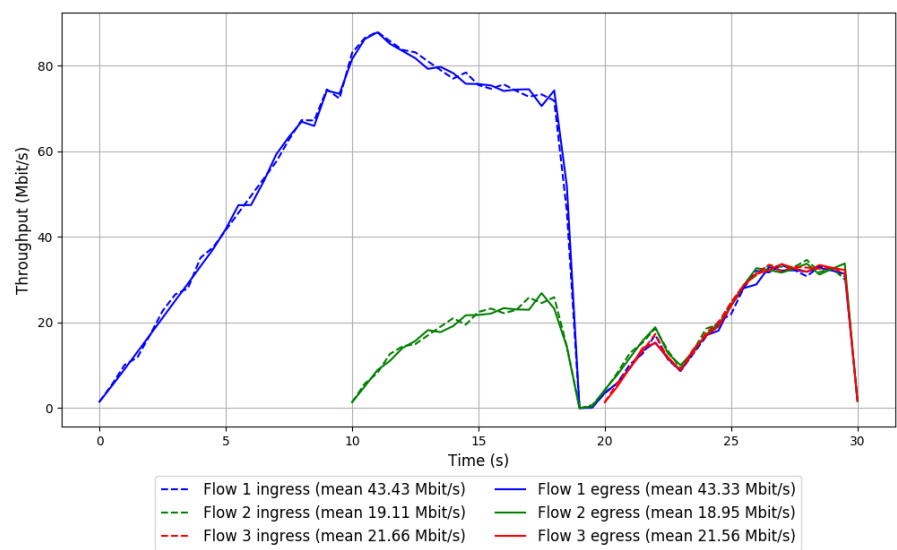


Run 5: Statistics of LEDBAT

Start at: 2018-02-28 06:59:10
End at: 2018-02-28 06:59:40
Local clock offset: -4.682 ms
Remote clock offset: -4.135 ms

Below is generated by plot.py at 2018-02-28 10:05:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: 66.725 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 43.33 Mbit/s
95th percentile per-packet one-way delay: 66.993 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 67.529 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 21.56 Mbit/s
95th percentile per-packet one-way delay: 59.412 ms
Loss rate: 0.22%

Run 5: Report of LEDBAT — Data Link

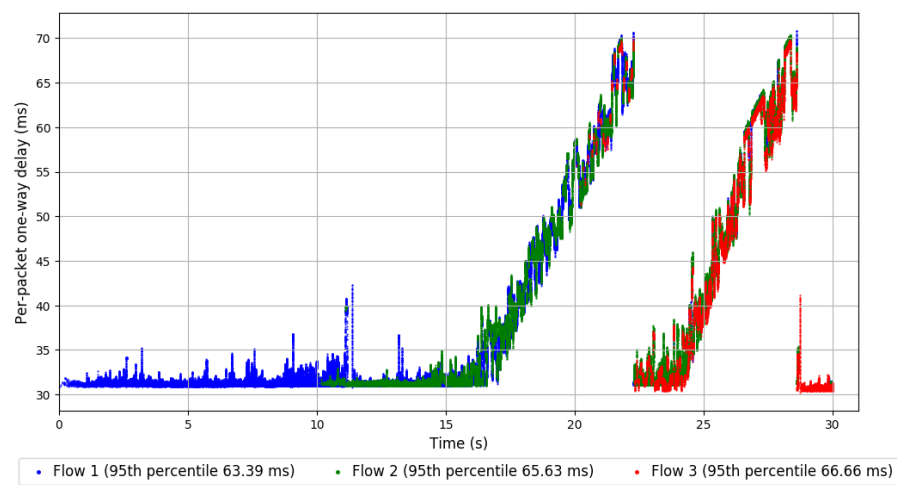
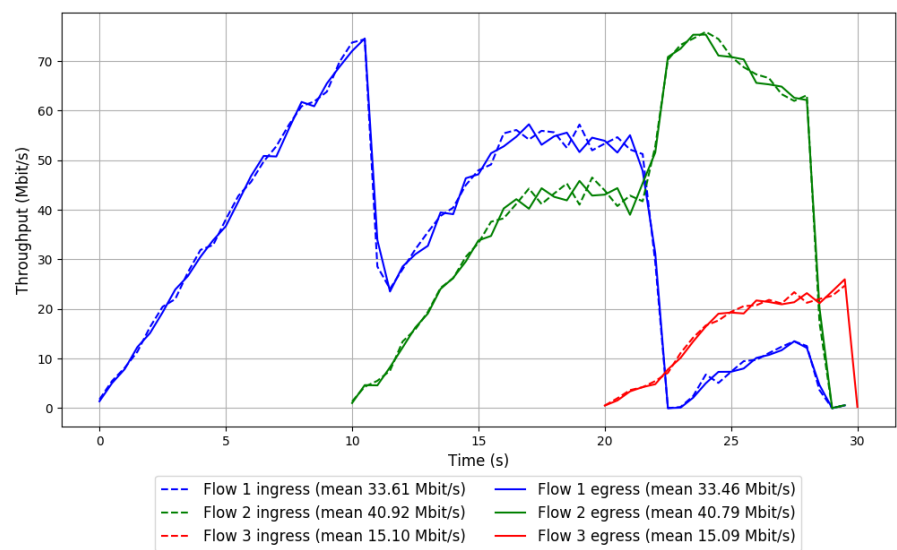


Run 6: Statistics of LEDBAT

Start at: 2018-02-28 07:30:54
End at: 2018-02-28 07:31:24
Local clock offset: -4.942 ms
Remote clock offset: -2.426 ms

Below is generated by plot.py at 2018-02-28 10:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 64.921 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 63.392 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 65.626 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 66.657 ms
Loss rate: 0.34%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-28 08:01:03

End at: 2018-02-28 08:01:33

Local clock offset: 2.262 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-02-28 10:06:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.96 Mbit/s

95th percentile per-packet one-way delay: 64.857 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 43.93 Mbit/s

95th percentile per-packet one-way delay: 65.006 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 17.99 Mbit/s

95th percentile per-packet one-way delay: 65.980 ms

Loss rate: 0.29%

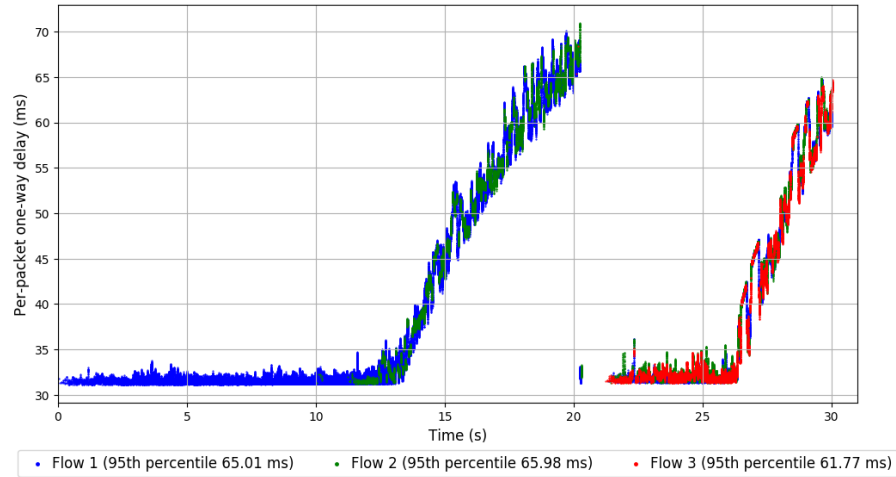
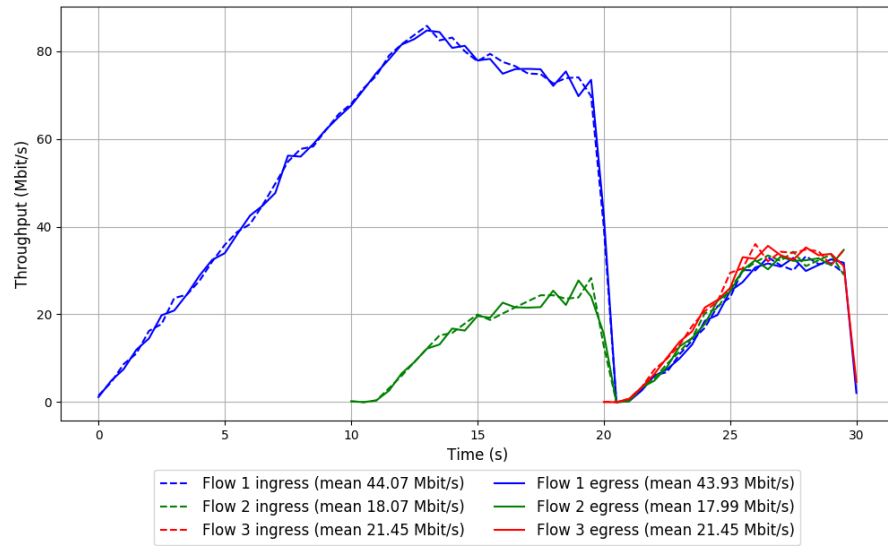
-- Flow 3:

Average throughput: 21.45 Mbit/s

95th percentile per-packet one-way delay: 61.774 ms

Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link

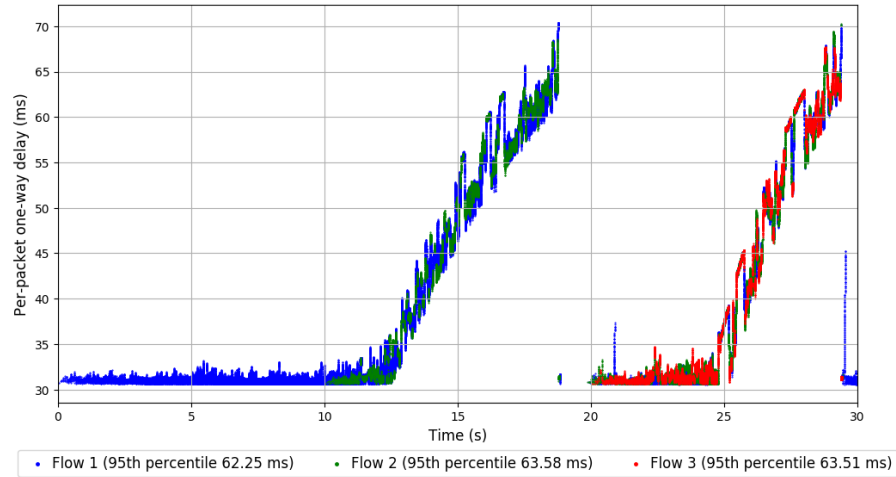
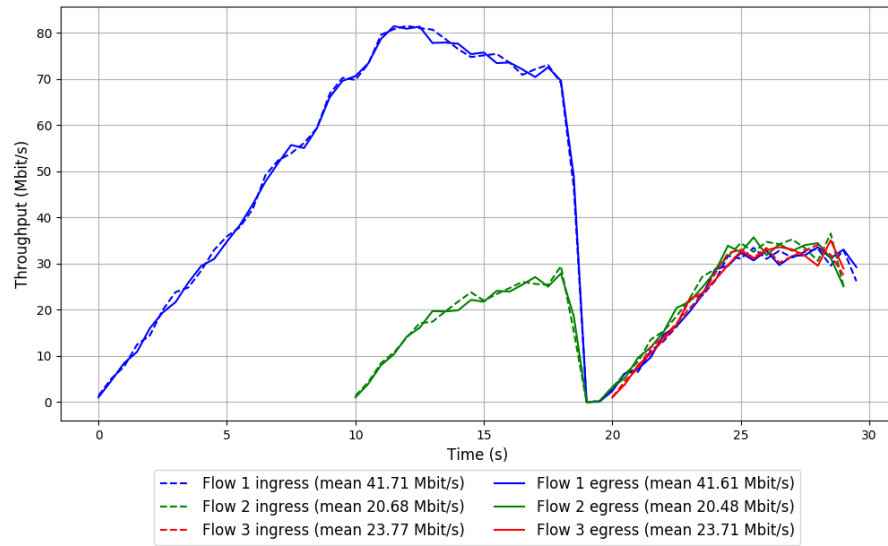


Run 8: Statistics of LEDBAT

Start at: 2018-02-28 08:33:51
End at: 2018-02-28 08:34:21
Local clock offset: -7.492 ms
Remote clock offset: -4.282 ms

Below is generated by plot.py at 2018-02-28 10:06:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.28 Mbit/s
95th percentile per-packet one-way delay: 62.704 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 41.61 Mbit/s
95th percentile per-packet one-way delay: 62.251 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 63.575 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 63.510 ms
Loss rate: 0.26%

Run 8: Report of LEDBAT — Data Link

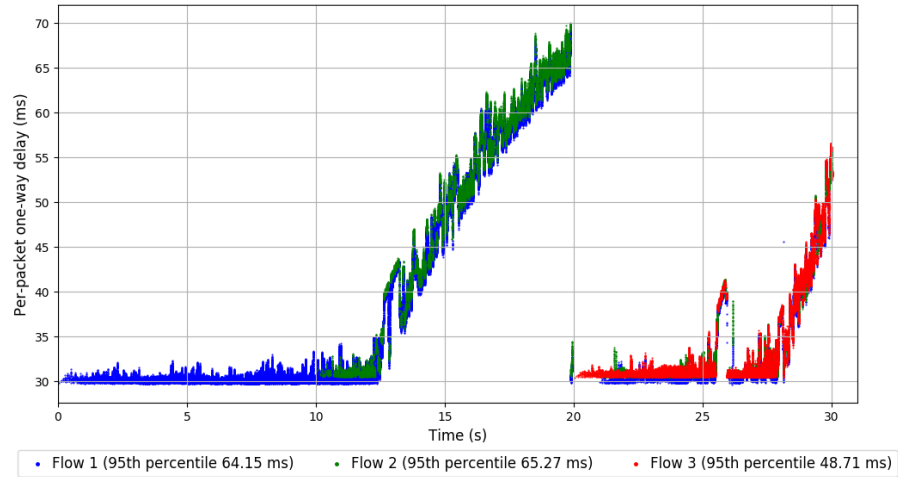
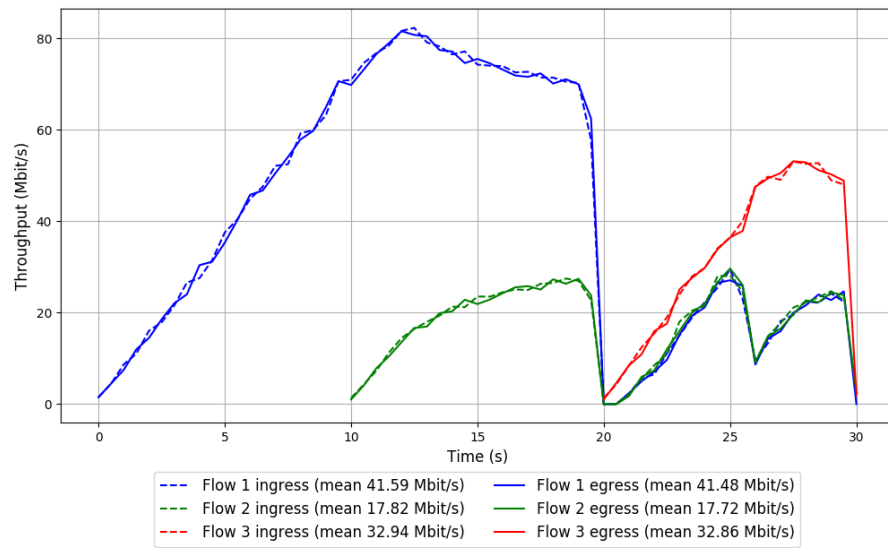


Run 9: Statistics of LEDBAT

Start at: 2018-02-28 09:02:56
End at: 2018-02-28 09:03:26
Local clock offset: 2.28 ms
Remote clock offset: -4.428 ms

Below is generated by plot.py at 2018-02-28 10:06:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 64.010 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 41.48 Mbit/s
95th percentile per-packet one-way delay: 64.148 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 17.72 Mbit/s
95th percentile per-packet one-way delay: 65.265 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 48.706 ms
Loss rate: 0.02%

Run 9: Report of LEDBAT — Data Link

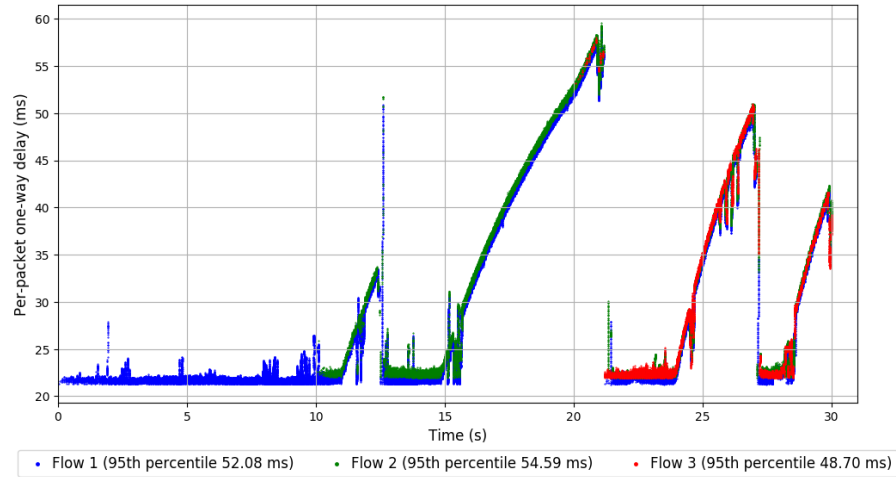
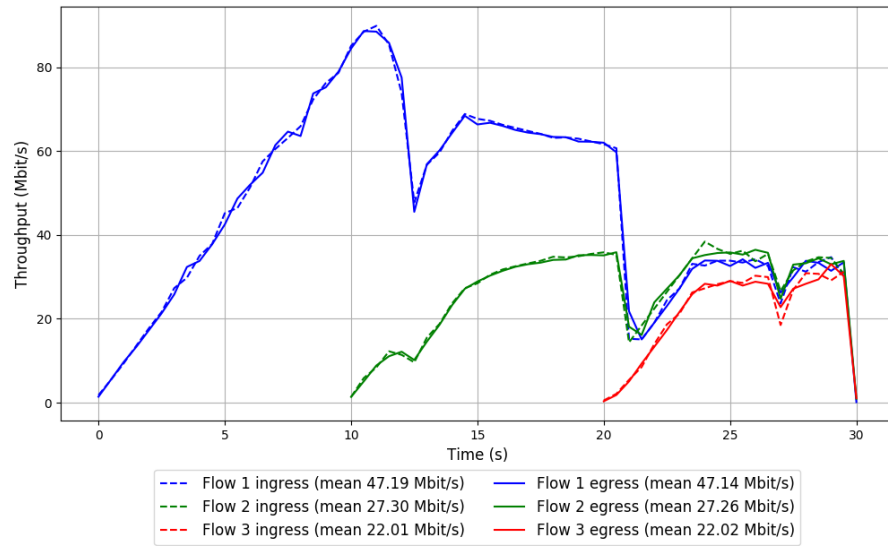


Run 10: Statistics of LEDBAT

Start at: 2018-02-28 09:30:03
End at: 2018-02-28 09:30:33
Local clock offset: 0.486 ms
Remote clock offset: -11.611 ms

Below is generated by plot.py at 2018-02-28 10:06:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.58 Mbit/s
95th percentile per-packet one-way delay: 52.537 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 52.079 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 54.594 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 22.02 Mbit/s
95th percentile per-packet one-way delay: 48.696 ms
Loss rate: 0.07%

Run 10: Report of LEDBAT — Data Link

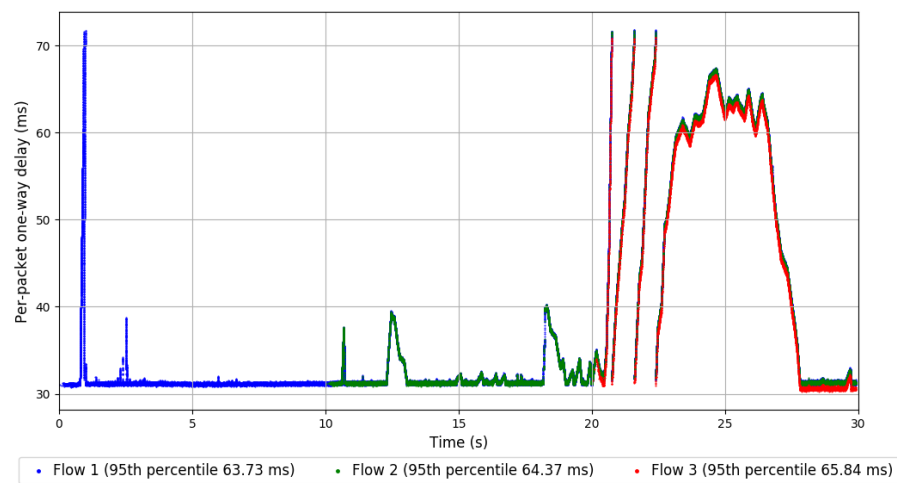
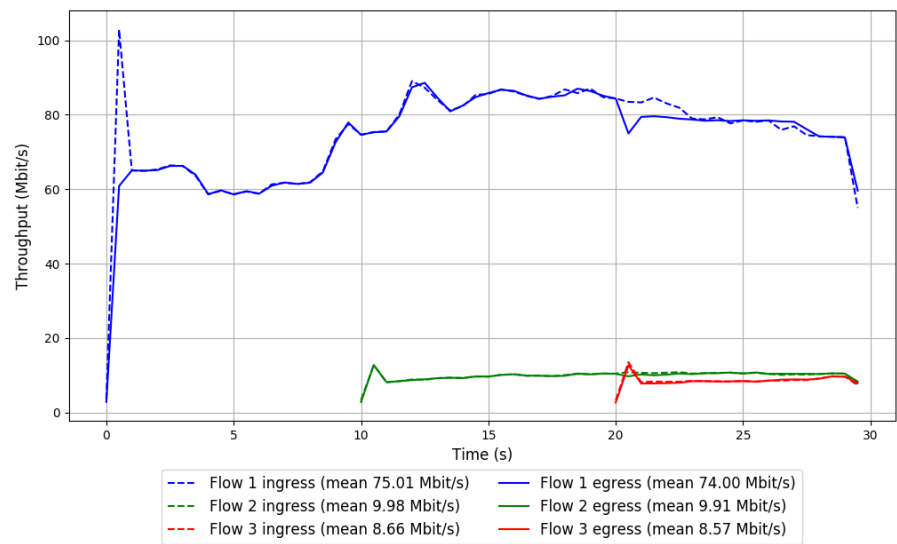


Run 1: Statistics of PCC

Start at: 2018-02-28 04:56:14
End at: 2018-02-28 04:56:44
Local clock offset: -1.572 ms
Remote clock offset: -4.083 ms

Below is generated by plot.py at 2018-02-28 10:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 63.827 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 74.00 Mbit/s
95th percentile per-packet one-way delay: 63.728 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 64.366 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 8.57 Mbit/s
95th percentile per-packet one-way delay: 65.844 ms
Loss rate: 1.15%

Run 1: Report of PCC — Data Link

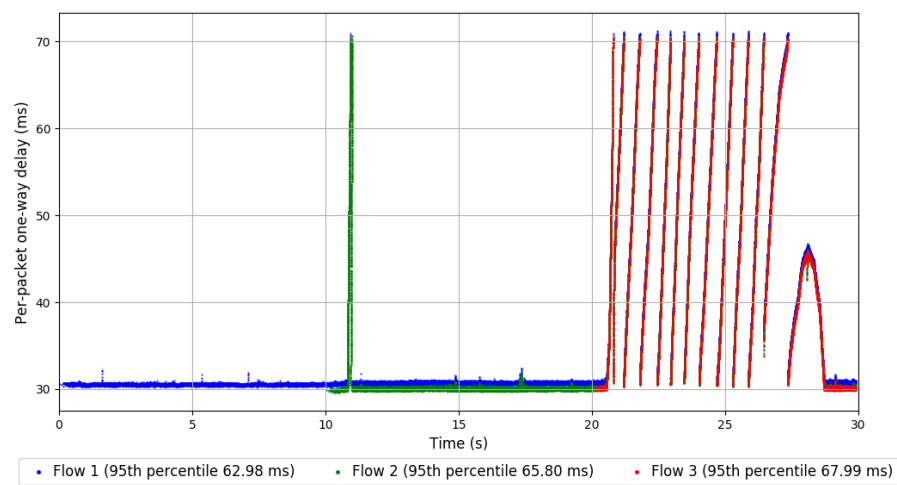
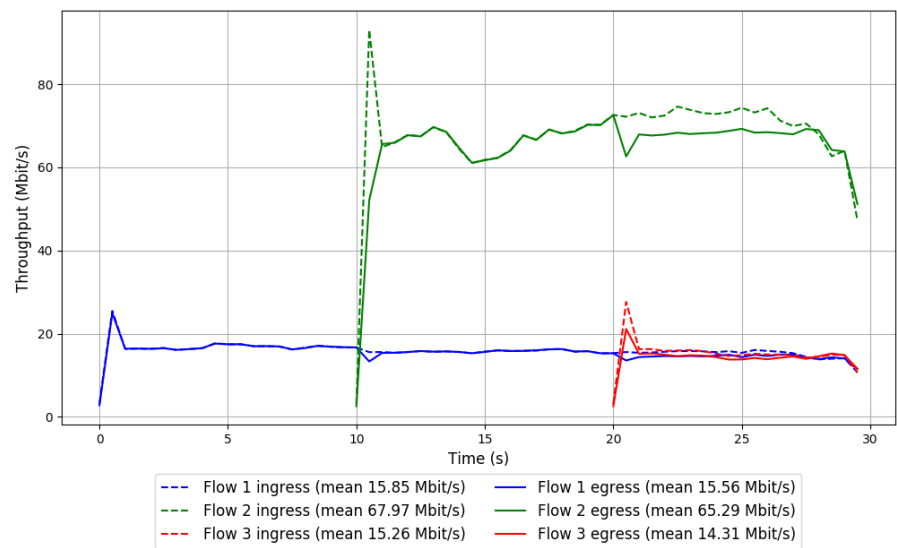


Run 2: Statistics of PCC

Start at: 2018-02-28 05:29:03
End at: 2018-02-28 05:29:33
Local clock offset: 2.735 ms
Remote clock offset: -5.455 ms

Below is generated by plot.py at 2018-02-28 10:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.69 Mbit/s
95th percentile per-packet one-way delay: 65.770 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 62.983 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 65.29 Mbit/s
95th percentile per-packet one-way delay: 65.800 ms
Loss rate: 3.94%
-- Flow 3:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 67.994 ms
Loss rate: 6.20%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-28 05:57:03

End at: 2018-02-28 05:57:33

Local clock offset: -1.944 ms

Remote clock offset: -4.34 ms

Below is generated by plot.py at 2018-02-28 10:07:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 62.510 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 61.509 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 11.44 Mbit/s

95th percentile per-packet one-way delay: 63.679 ms

Loss rate: 1.85%

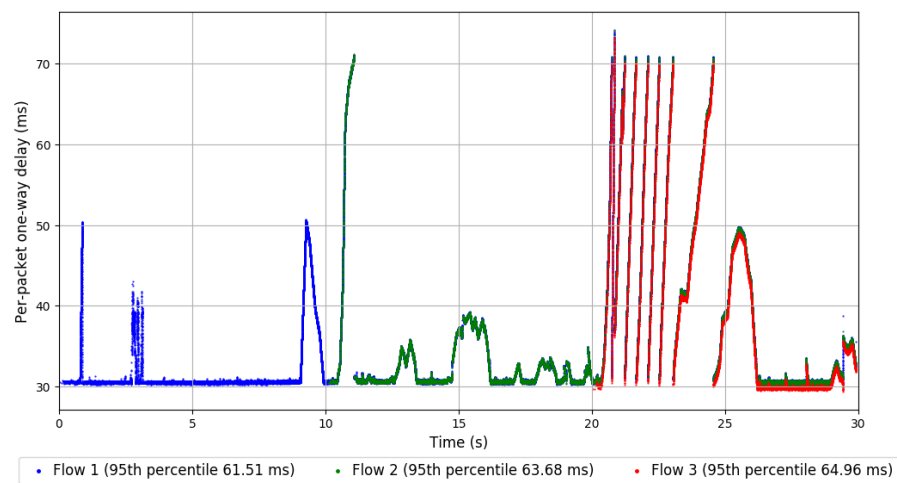
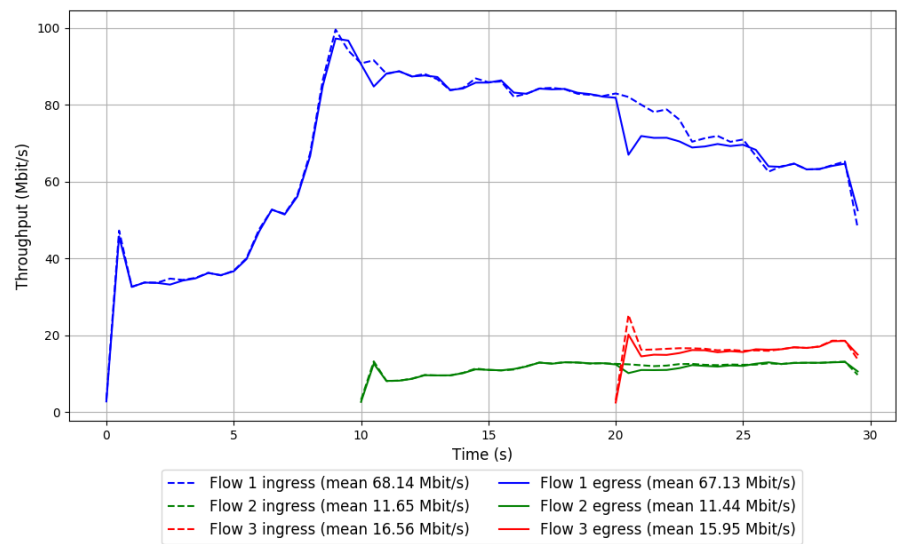
-- Flow 3:

Average throughput: 15.95 Mbit/s

95th percentile per-packet one-way delay: 64.963 ms

Loss rate: 3.70%

Run 3: Report of PCC — Data Link

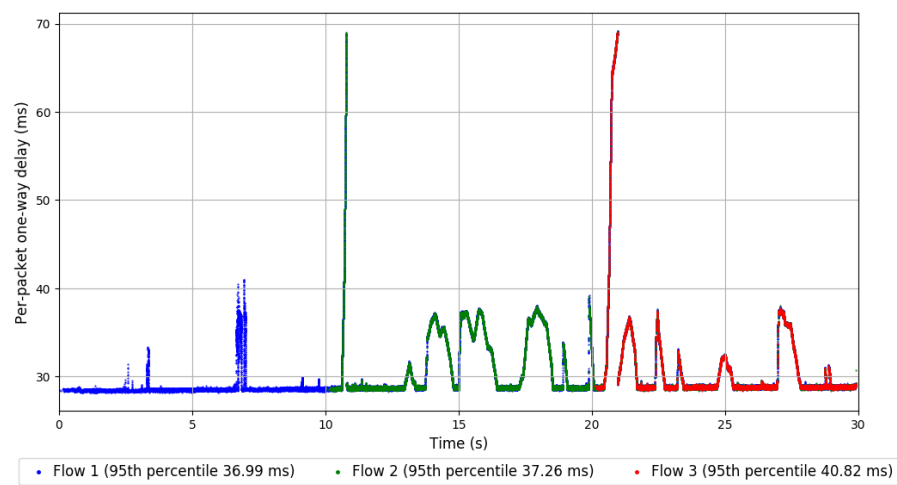
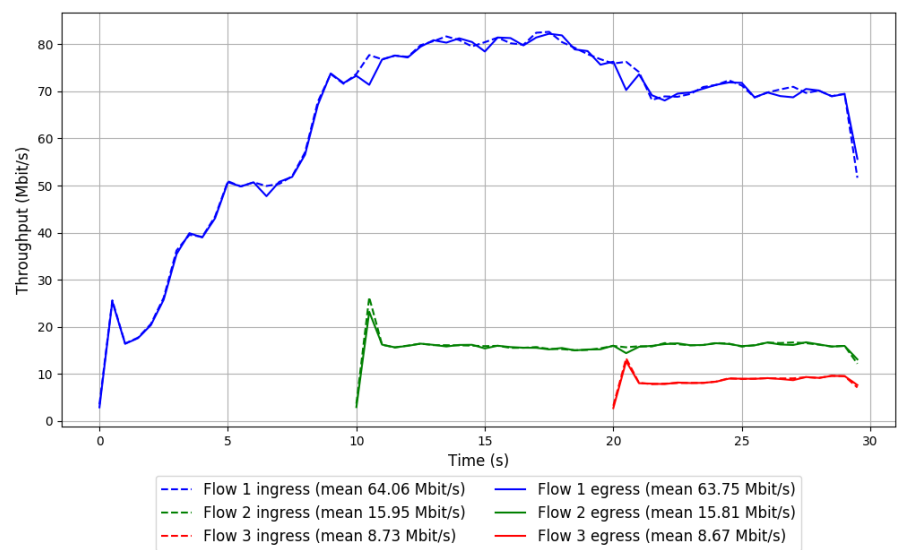


Run 4: Statistics of PCC

Start at: 2018-02-28 06:25:24
End at: 2018-02-28 06:25:54
Local clock offset: -6.709 ms
Remote clock offset: -6.263 ms

Below is generated by plot.py at 2018-02-28 10:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 37.059 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 63.75 Mbit/s
95th percentile per-packet one-way delay: 36.993 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 37.264 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 8.67 Mbit/s
95th percentile per-packet one-way delay: 40.821 ms
Loss rate: 0.62%

Run 4: Report of PCC — Data Link

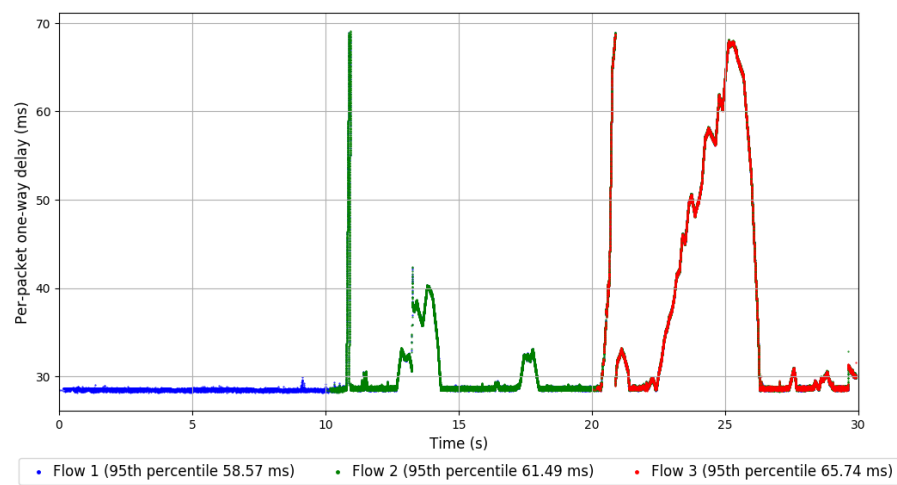
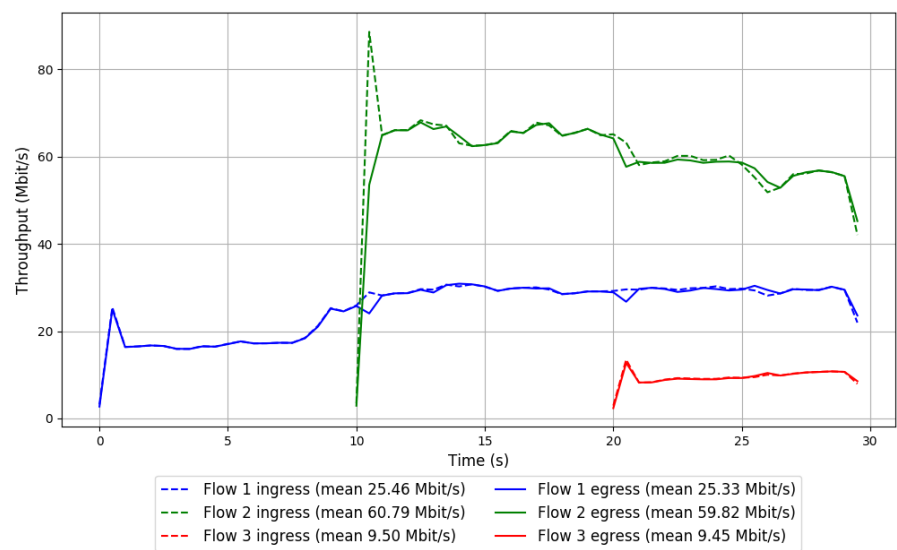


Run 5: Statistics of PCC

Start at: 2018-02-28 06:53:19
End at: 2018-02-28 06:53:49
Local clock offset: -4.853 ms
Remote clock offset: -6.355 ms

Below is generated by plot.py at 2018-02-28 10:07:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.21 Mbit/s
95th percentile per-packet one-way delay: 61.263 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 58.570 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 65.737 ms
Loss rate: 0.44%

Run 5: Report of PCC — Data Link

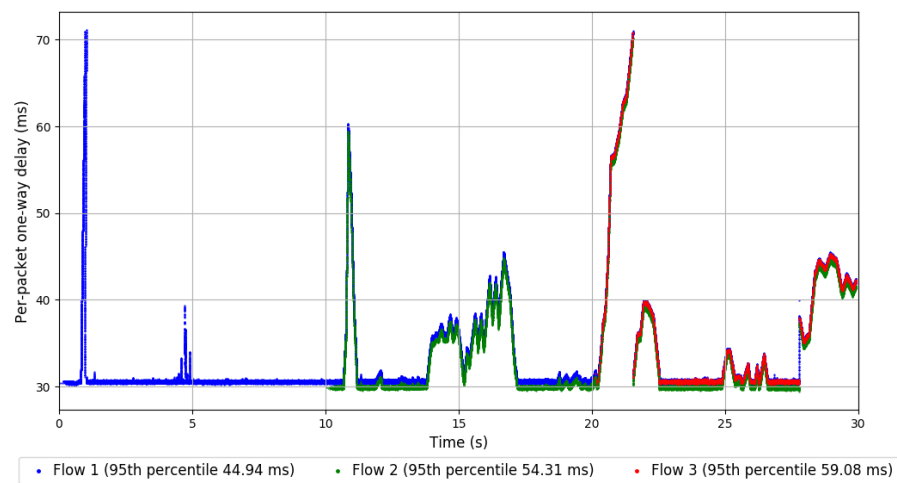
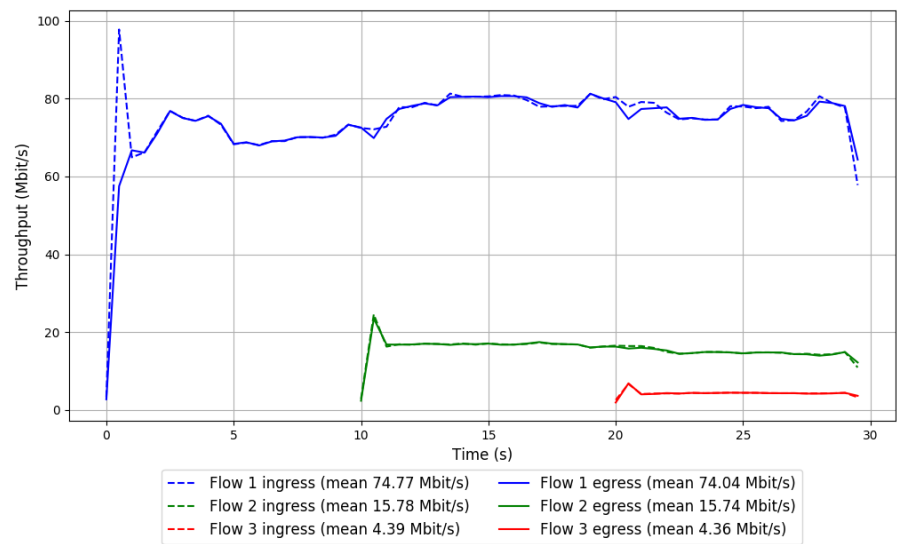


Run 6: Statistics of PCC

Start at: 2018-02-28 07:24:11
End at: 2018-02-28 07:24:41
Local clock offset: -4.638 ms
Remote clock offset: -3.944 ms

Below is generated by plot.py at 2018-02-28 10:07:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 45.132 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 74.04 Mbit/s
95th percentile per-packet one-way delay: 44.937 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 54.306 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 59.075 ms
Loss rate: 0.37%

Run 6: Report of PCC — Data Link

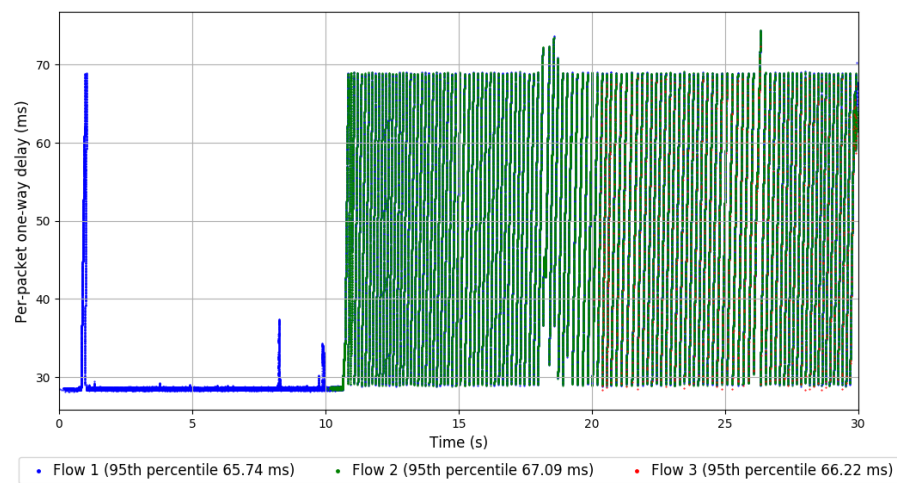
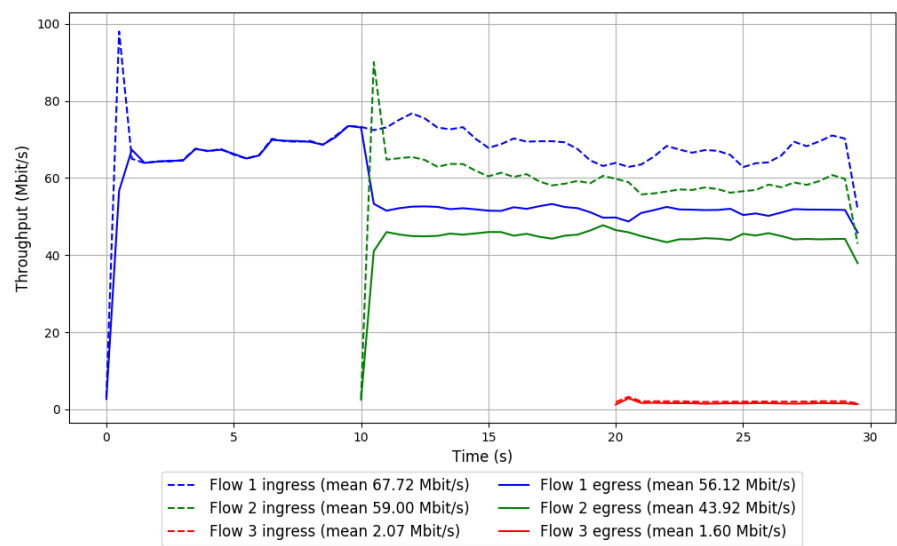


Run 7: Statistics of PCC

Start at: 2018-02-28 07:54:22
End at: 2018-02-28 07:54:52
Local clock offset: 1.833 ms
Remote clock offset: -1.028 ms

Below is generated by plot.py at 2018-02-28 10:07:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 66.366 ms
Loss rate: 20.11%
-- Flow 1:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 65.743 ms
Loss rate: 17.01%
-- Flow 2:
Average throughput: 43.92 Mbit/s
95th percentile per-packet one-way delay: 67.095 ms
Loss rate: 25.43%
-- Flow 3:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 66.222 ms
Loss rate: 22.29%

Run 7: Report of PCC — Data Link

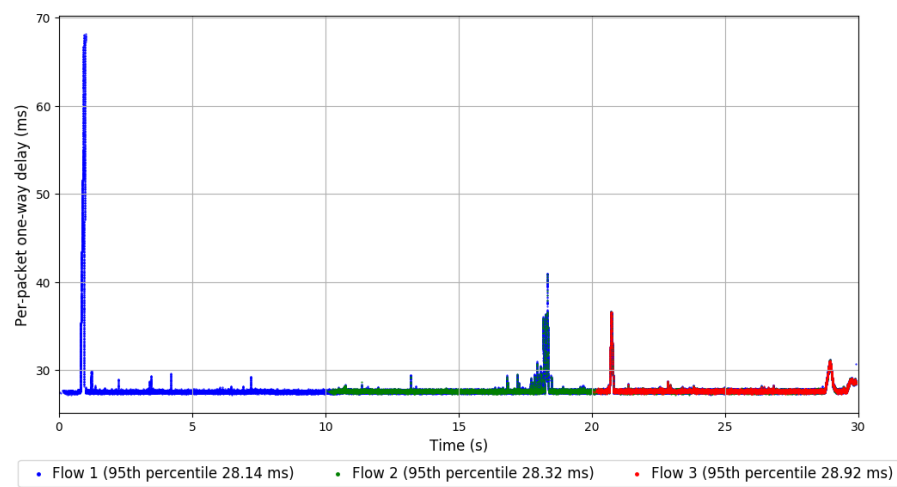
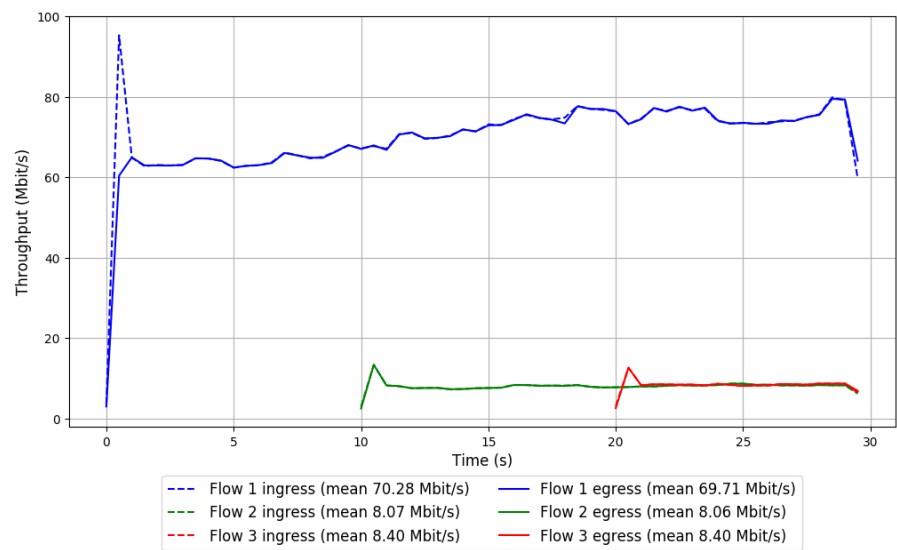


Run 8: Statistics of PCC

Start at: 2018-02-28 08:27:19
End at: 2018-02-28 08:27:49
Local clock offset: -6.479 ms
Remote clock offset: -6.711 ms

Below is generated by plot.py at 2018-02-28 10:07:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 28.232 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 28.145 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 28.324 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 28.924 ms
Loss rate: 0.00%

Run 8: Report of PCC — Data Link

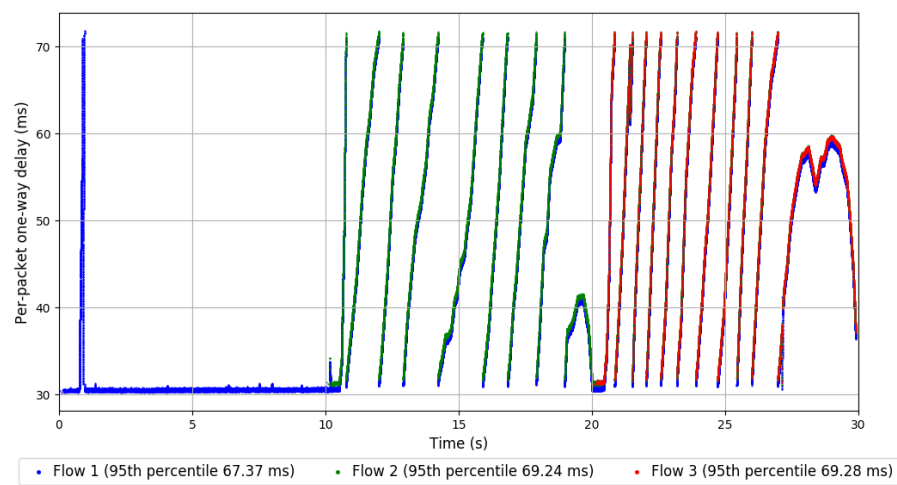
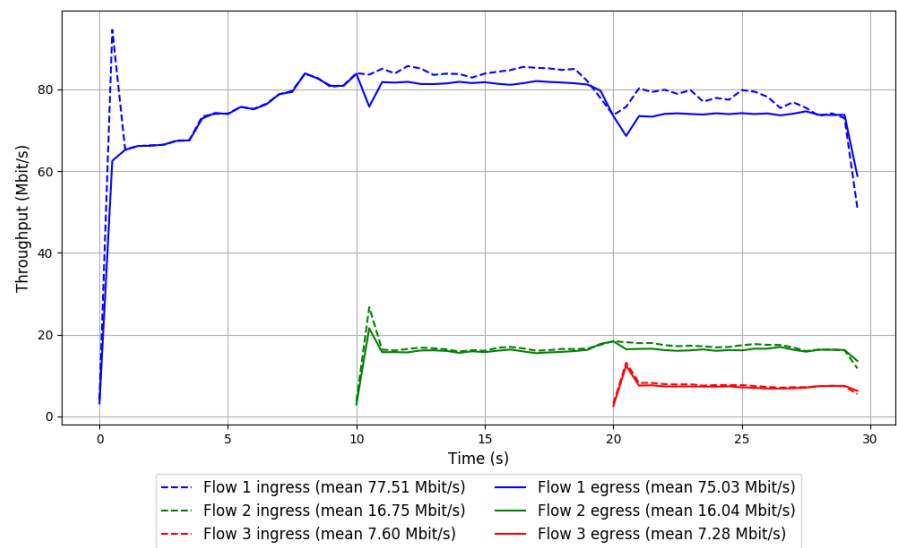


Run 9: Statistics of PCC

Start at: 2018-02-28 08:56:33
End at: 2018-02-28 08:57:03
Local clock offset: 1.334 ms
Remote clock offset: -3.889 ms

Below is generated by plot.py at 2018-02-28 10:08:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 67.798 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 75.03 Mbit/s
95th percentile per-packet one-way delay: 67.368 ms
Loss rate: 3.18%
-- Flow 2:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 69.243 ms
Loss rate: 4.22%
-- Flow 3:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 69.276 ms
Loss rate: 4.16%

Run 9: Report of PCC — Data Link

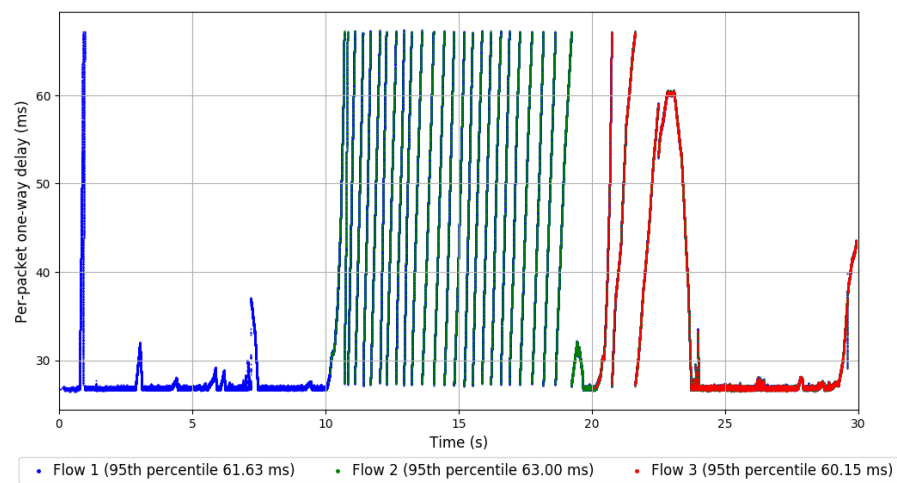
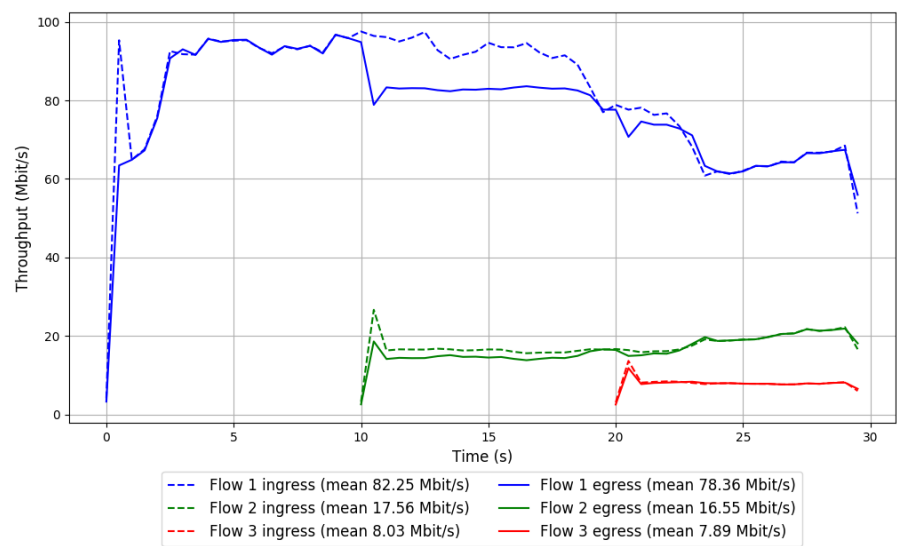


Run 10: Statistics of PCC

Start at: 2018-02-28 09:24:24
End at: 2018-02-28 09:24:54
Local clock offset: -3.57 ms
Remote clock offset: -10.98 ms

Below is generated by plot.py at 2018-02-28 10:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 61.755 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 61.631 ms
Loss rate: 4.67%
-- Flow 2:
Average throughput: 16.55 Mbit/s
95th percentile per-packet one-way delay: 63.003 ms
Loss rate: 5.68%
-- Flow 3:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 60.152 ms
Loss rate: 1.56%

Run 10: Report of PCC — Data Link

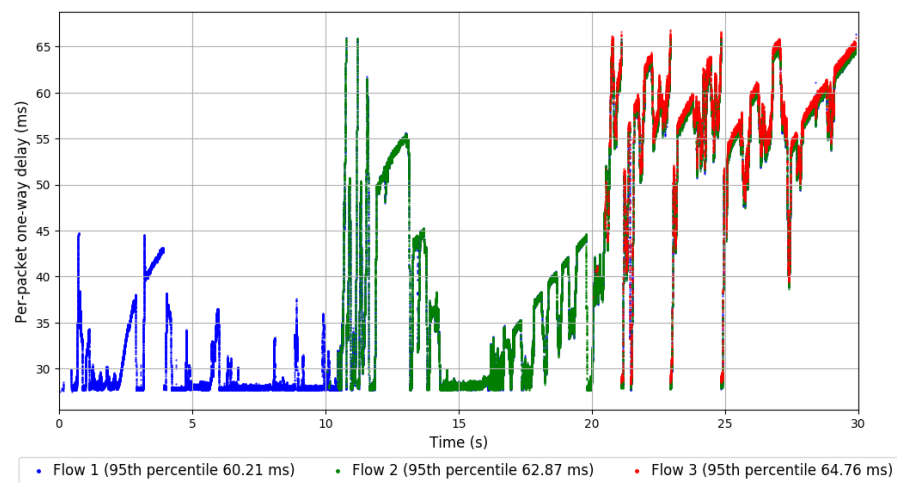
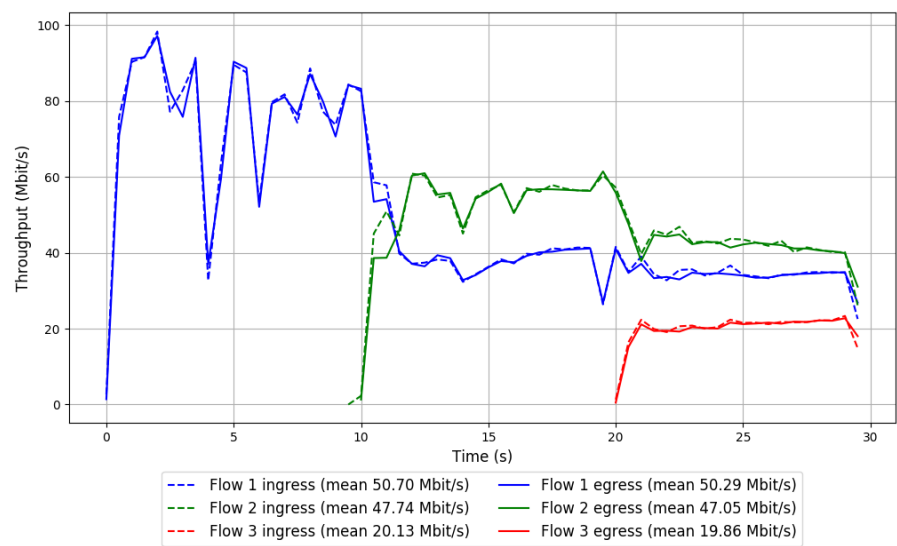


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-28 05:00:57
End at: 2018-02-28 05:01:27
Local clock offset: -0.983 ms
Remote clock offset: -6.308 ms

Below is generated by plot.py at 2018-02-28 10:08:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 62.579 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 60.214 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 62.868 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 19.86 Mbit/s
95th percentile per-packet one-way delay: 64.760 ms
Loss rate: 1.08%

Run 1: Report of QUIC Cubic — Data Link

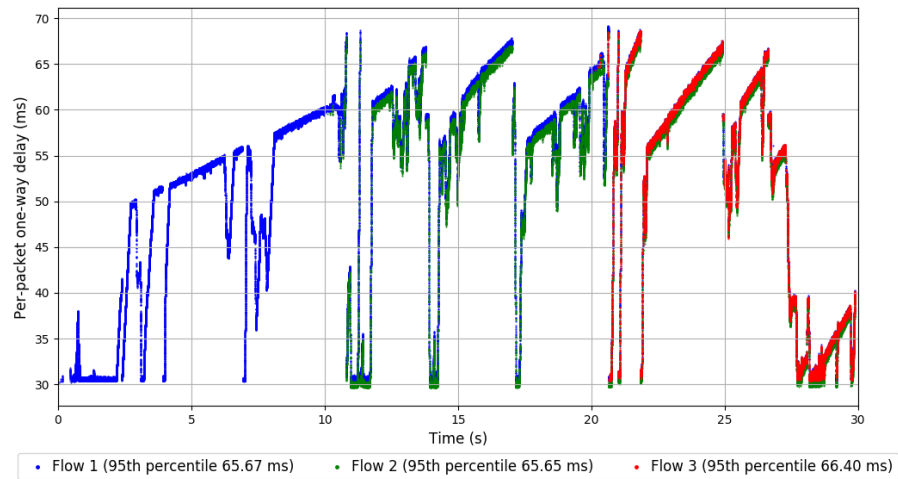
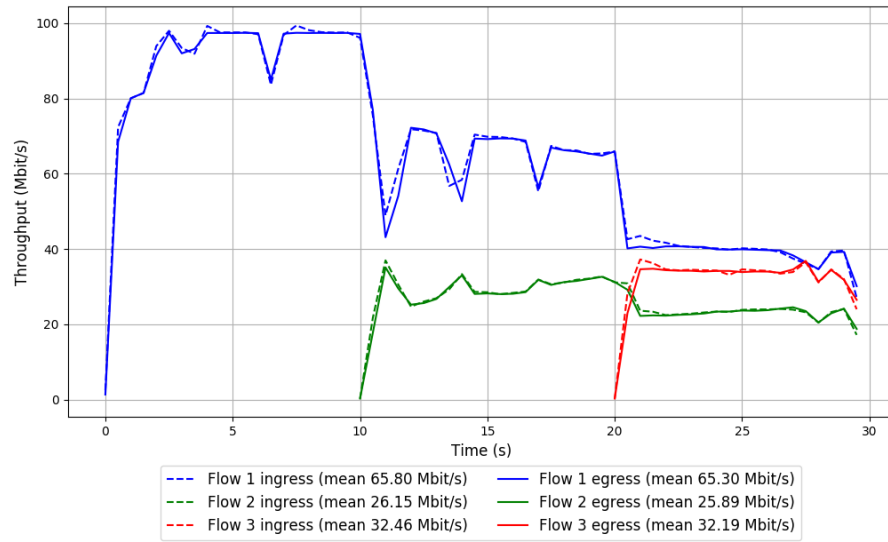


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-28 05:33:20
End at: 2018-02-28 05:33:50
Local clock offset: 3.276 ms
Remote clock offset: -5.446 ms

Below is generated by plot.py at 2018-02-28 10:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 65.822 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 65.30 Mbit/s
95th percentile per-packet one-way delay: 65.675 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 65.648 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 66.396 ms
Loss rate: 1.10%

Run 2: Report of QUIC Cubic — Data Link

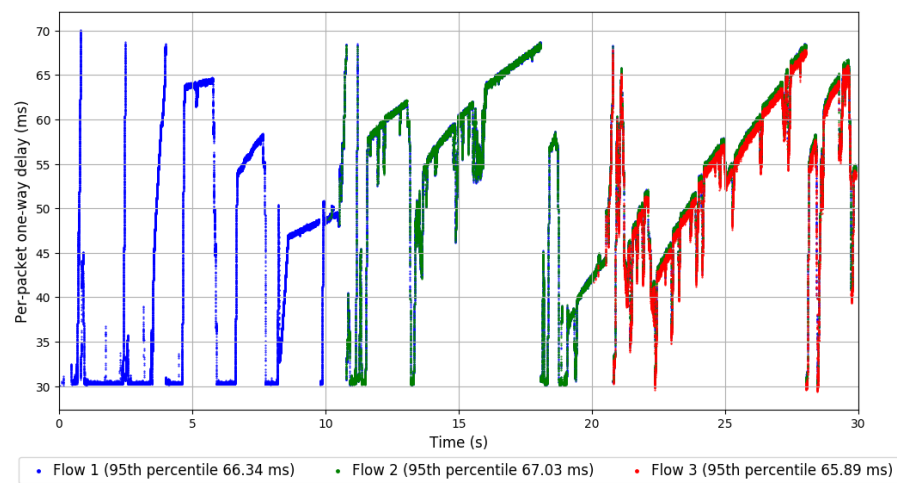
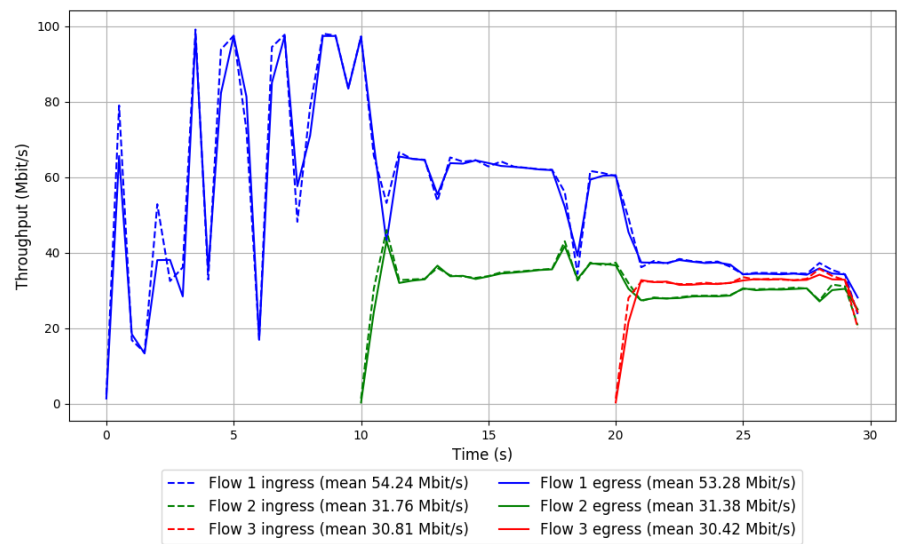


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-28 06:01:19
End at: 2018-02-28 06:01:49
Local clock offset: -3.752 ms
Remote clock offset: -4.528 ms

Below is generated by plot.py at 2018-02-28 10:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 66.515 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 66.338 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 67.034 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 65.885 ms
Loss rate: 1.16%

Run 3: Report of QUIC Cubic — Data Link

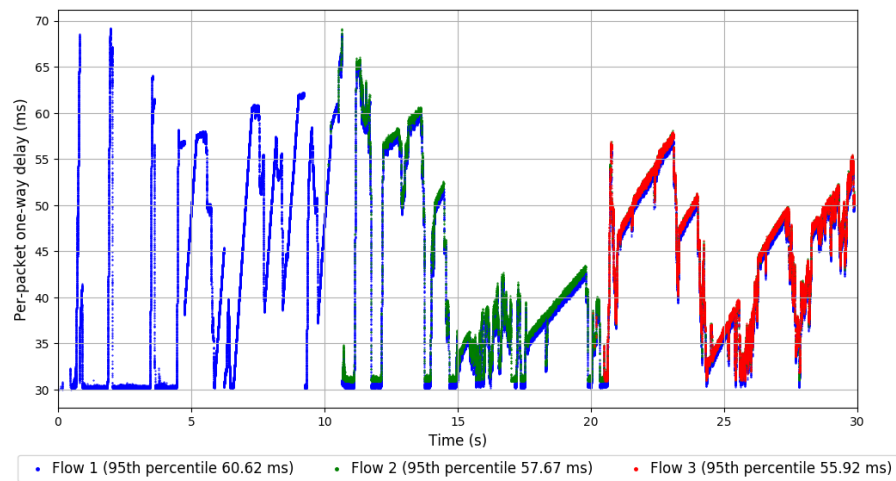
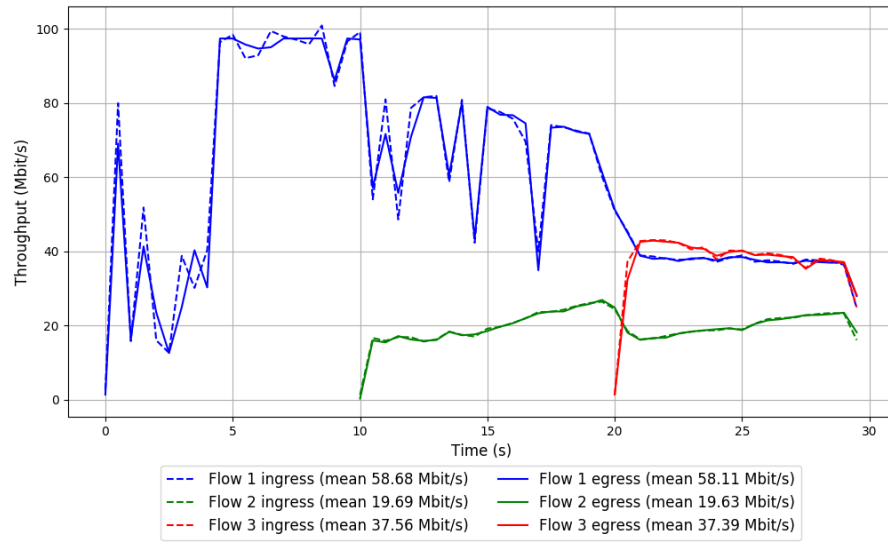


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-28 06:29:46
End at: 2018-02-28 06:30:16
Local clock offset: -5.575 ms
Remote clock offset: -3.719 ms

Below is generated by plot.py at 2018-02-28 10:09:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.45 Mbit/s
95th percentile per-packet one-way delay: 60.001 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 60.618 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 57.669 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 37.39 Mbit/s
95th percentile per-packet one-way delay: 55.923 ms
Loss rate: 0.33%

Run 4: Report of QUIC Cubic — Data Link

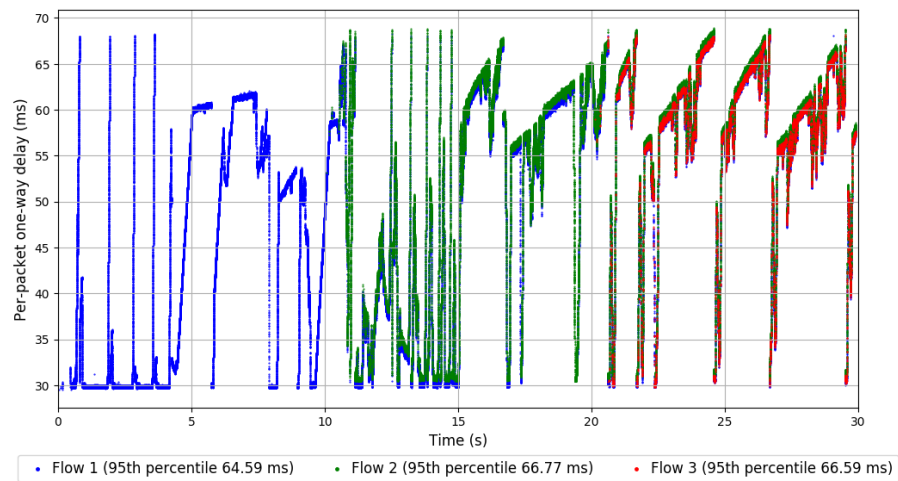
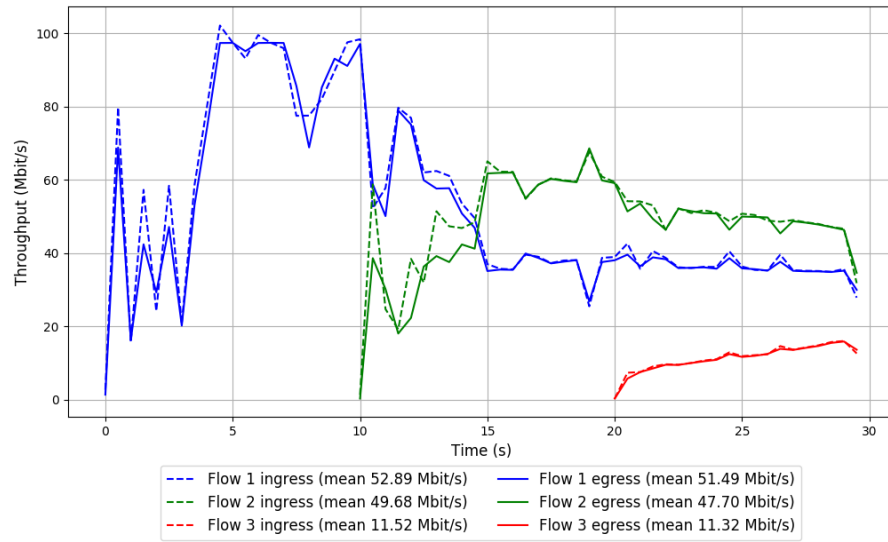


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-28 06:57:40
End at: 2018-02-28 06:58:10
Local clock offset: -4.803 ms
Remote clock offset: -4.149 ms

Below is generated by plot.py at 2018-02-28 10:09:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 65.816 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 51.49 Mbit/s
95th percentile per-packet one-way delay: 64.589 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 47.70 Mbit/s
95th percentile per-packet one-way delay: 66.767 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 66.591 ms
Loss rate: 1.78%

Run 5: Report of QUIC Cubic — Data Link

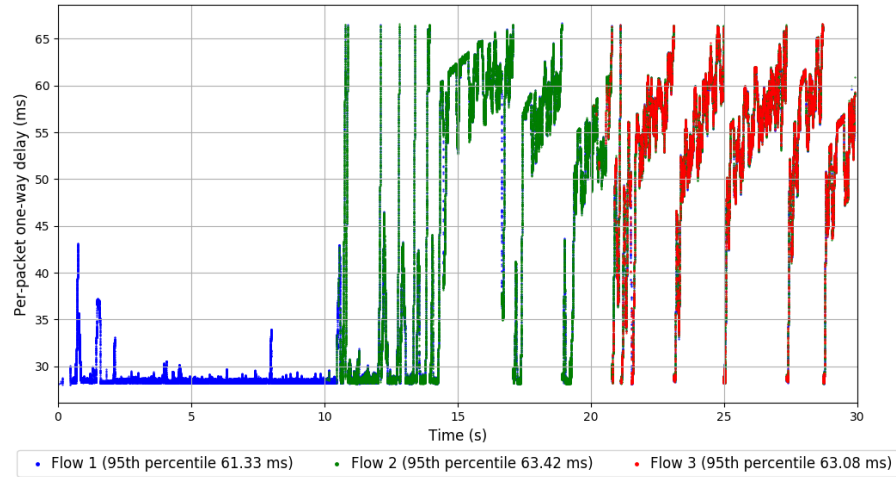
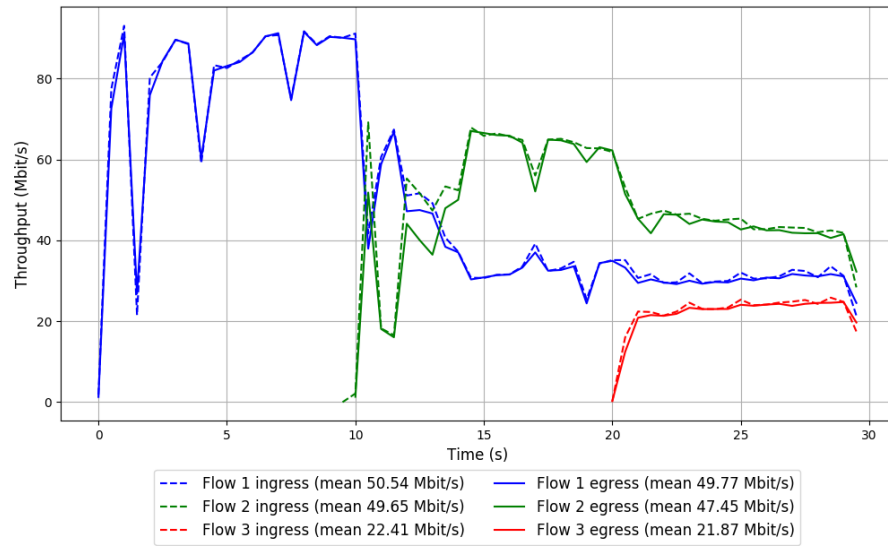


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-28 07:29:11
End at: 2018-02-28 07:29:41
Local clock offset: -4.856 ms
Remote clock offset: -4.908 ms

Below is generated by plot.py at 2018-02-28 10:09:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 62.645 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 49.77 Mbit/s
95th percentile per-packet one-way delay: 61.325 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 47.45 Mbit/s
95th percentile per-packet one-way delay: 63.420 ms
Loss rate: 4.26%
-- Flow 3:
Average throughput: 21.87 Mbit/s
95th percentile per-packet one-way delay: 63.075 ms
Loss rate: 2.43%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-28 07:59:15

End at: 2018-02-28 07:59:45

Local clock offset: 2.255 ms

Remote clock offset: 1.544 ms

Below is generated by plot.py at 2018-02-28 10:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.64 Mbit/s

95th percentile per-packet one-way delay: 65.128 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 64.834 ms

Loss rate: 1.97%

-- Flow 2:

Average throughput: 24.68 Mbit/s

95th percentile per-packet one-way delay: 65.199 ms

Loss rate: 1.66%

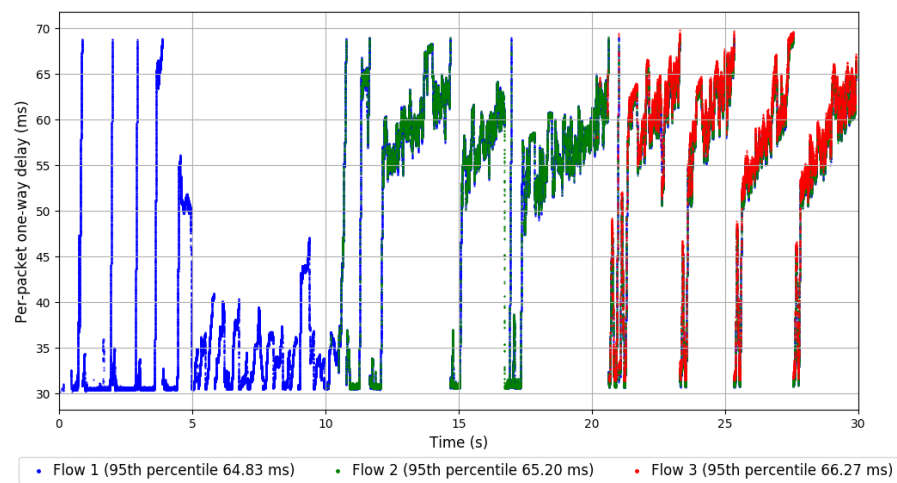
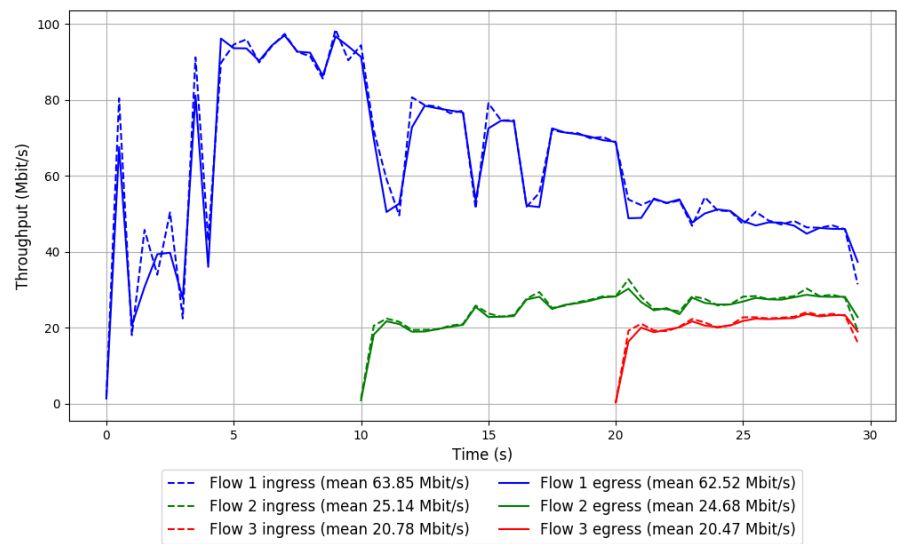
-- Flow 3:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 66.269 ms

Loss rate: 1.41%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-28 08:32:03

End at: 2018-02-28 08:32:33

Local clock offset: -7.239 ms

Remote clock offset: -4.32 ms

Below is generated by plot.py at 2018-02-28 10:09:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.98 Mbit/s

95th percentile per-packet one-way delay: 64.132 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 62.31 Mbit/s

95th percentile per-packet one-way delay: 64.241 ms

Loss rate: 1.88%

-- Flow 2:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 64.074 ms

Loss rate: 1.09%

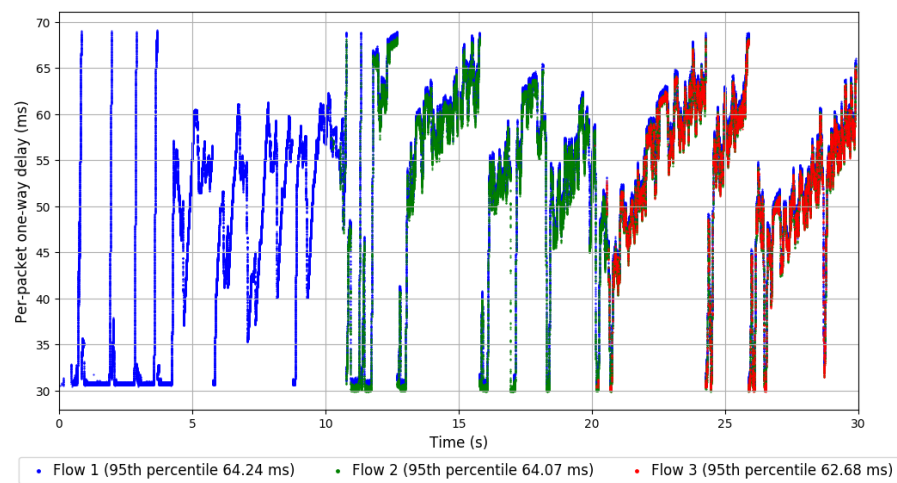
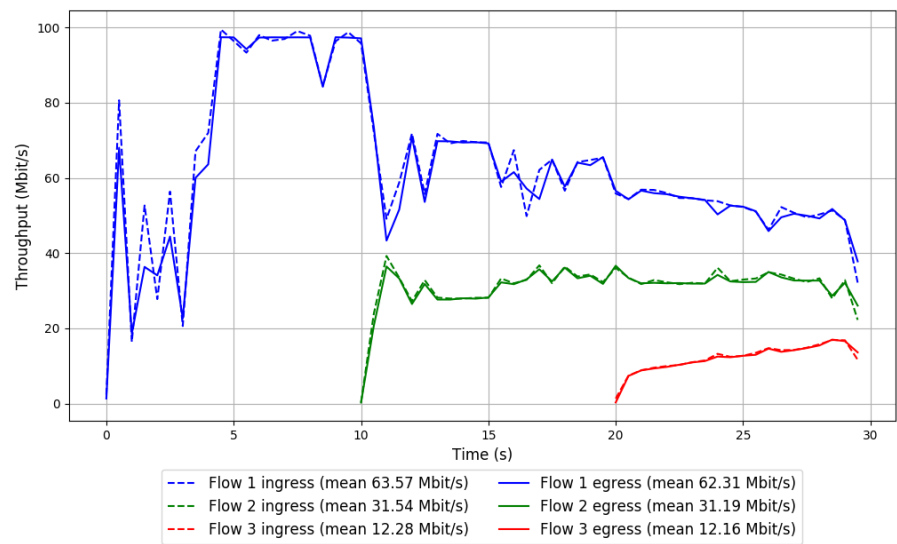
-- Flow 3:

Average throughput: 12.16 Mbit/s

95th percentile per-packet one-way delay: 62.680 ms

Loss rate: 0.94%

Run 8: Report of QUIC Cubic — Data Link

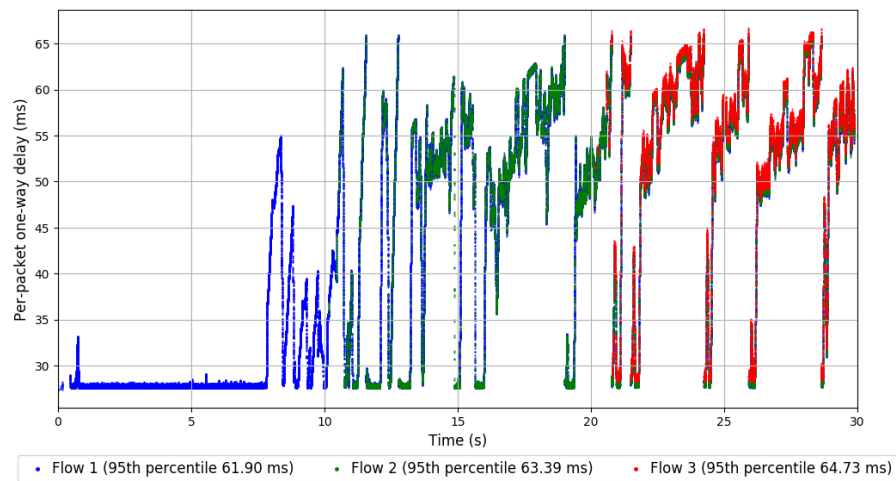
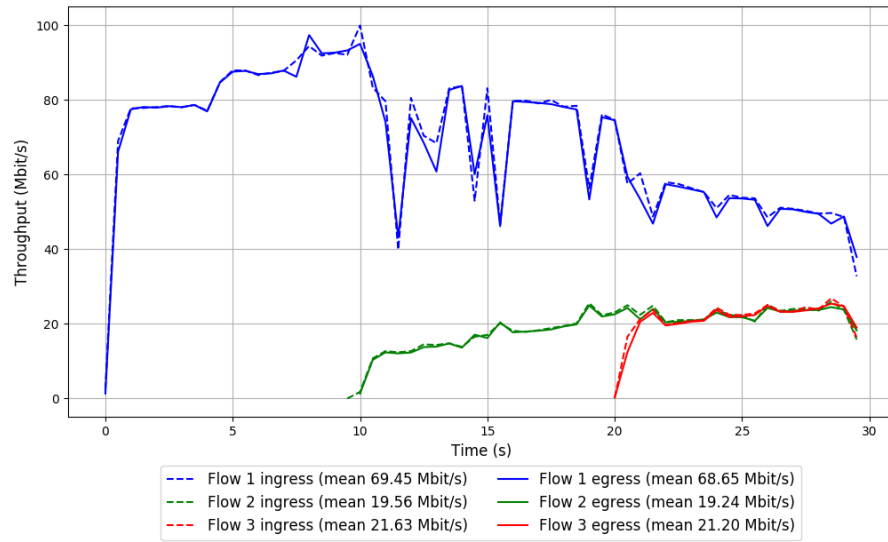


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-28 09:01:11
End at: 2018-02-28 09:01:41
Local clock offset: 2.139 ms
Remote clock offset: -6.535 ms

Below is generated by plot.py at 2018-02-28 10:10:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 62.570 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 68.65 Mbit/s
95th percentile per-packet one-way delay: 61.904 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 19.24 Mbit/s
95th percentile per-packet one-way delay: 63.392 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 64.726 ms
Loss rate: 1.94%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-28 09:28:41

End at: 2018-02-28 09:29:11

Local clock offset: 0.821 ms

Remote clock offset: -11.565 ms

Below is generated by plot.py at 2018-02-28 10:10:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.81 Mbit/s

95th percentile per-packet one-way delay: 55.034 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 64.20 Mbit/s

95th percentile per-packet one-way delay: 54.894 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 17.45 Mbit/s

95th percentile per-packet one-way delay: 54.812 ms

Loss rate: 0.77%

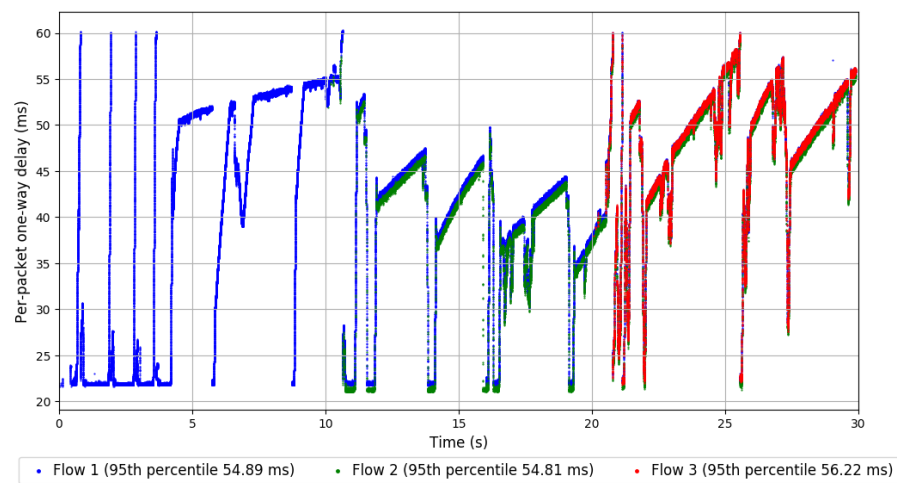
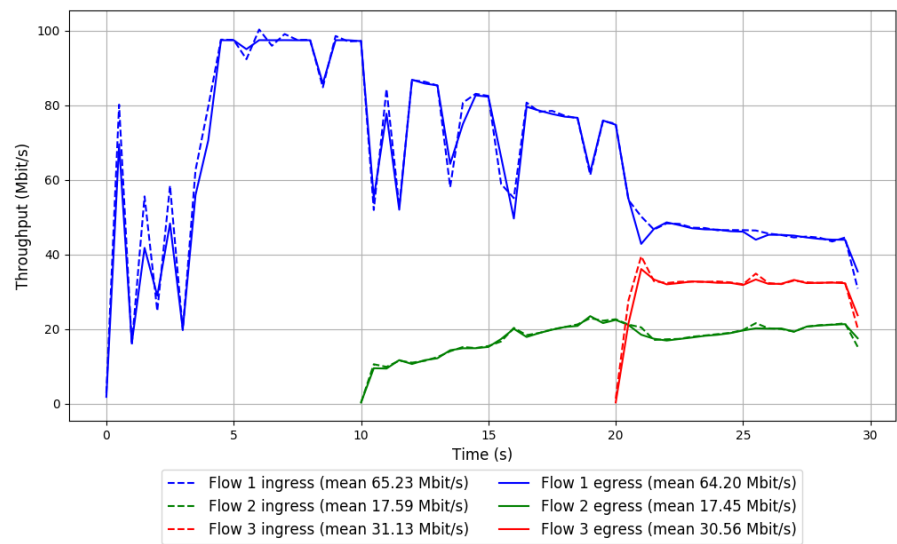
-- Flow 3:

Average throughput: 30.56 Mbit/s

95th percentile per-packet one-way delay: 56.222 ms

Loss rate: 1.65%

Run 10: Report of QUIC Cubic — Data Link

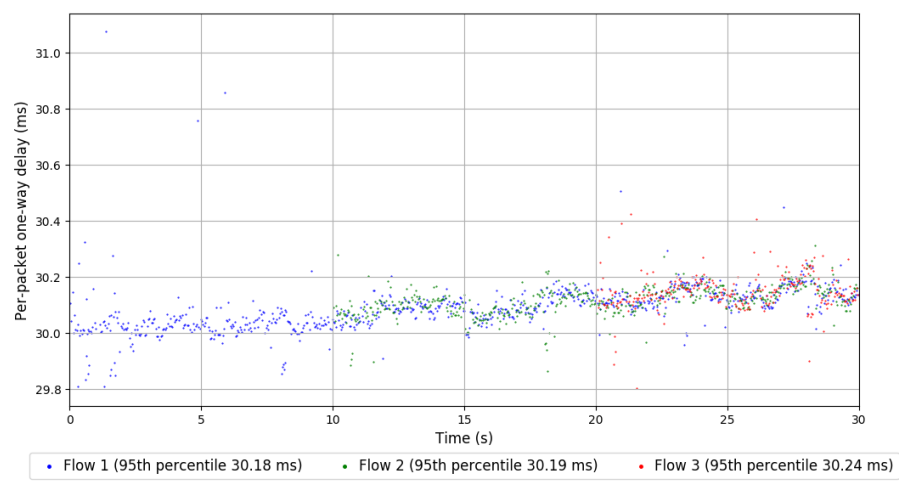
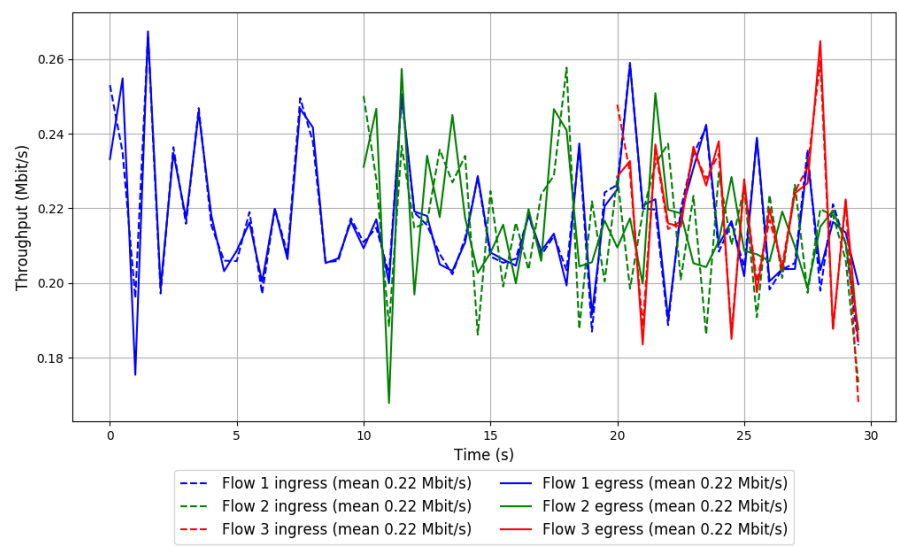


```
Run 1: Statistics of SReAM

Start at: 2018-02-28 04:45:17
End at: 2018-02-28 04:45:47
Local clock offset: -4.41 ms
Remote clock offset: -5.445 ms

# Below is generated by plot.py at 2018-02-28 10:10:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.193 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.242 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

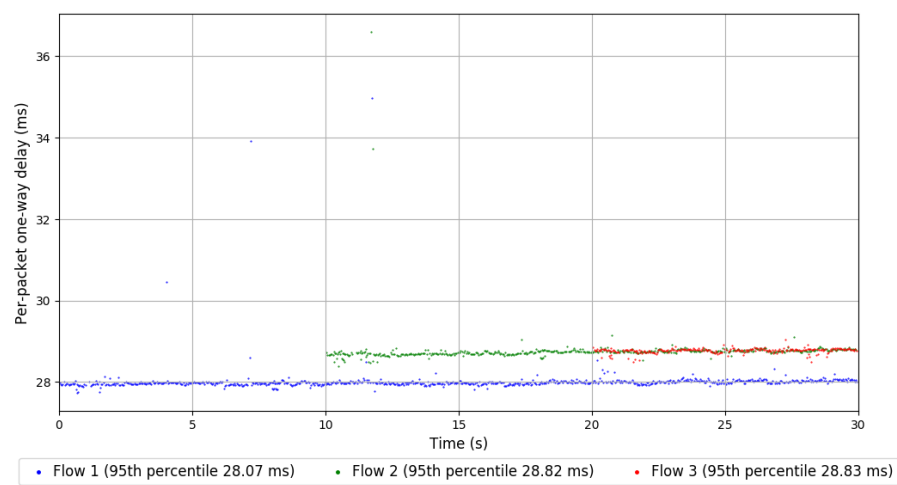
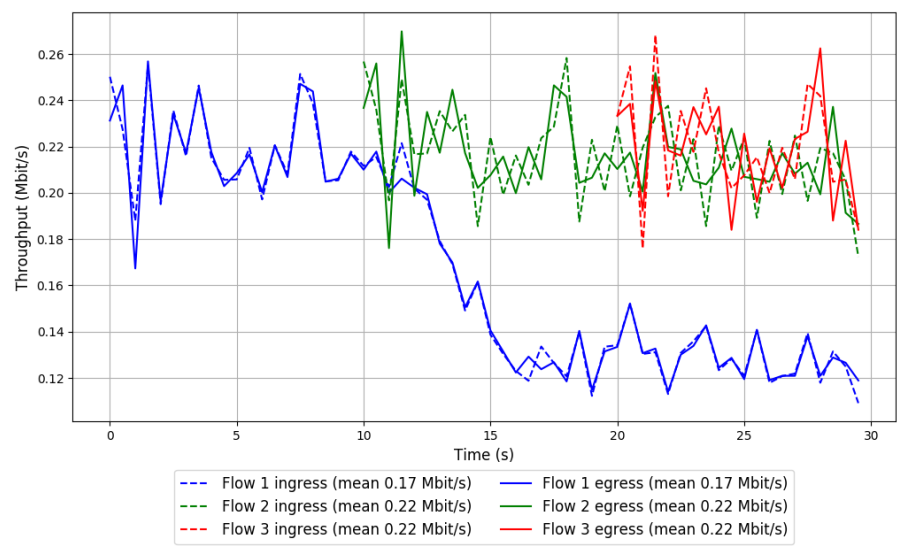


Run 2: Statistics of SReAM

Start at: 2018-02-28 05:15:44
End at: 2018-02-28 05:16:14
Local clock offset: 0.395 ms
Remote clock offset: -6.997 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 28.815 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 28.069 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.823 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.832 ms
Loss rate: 0.00%

Run 2: Report of SCRaM — Data Link

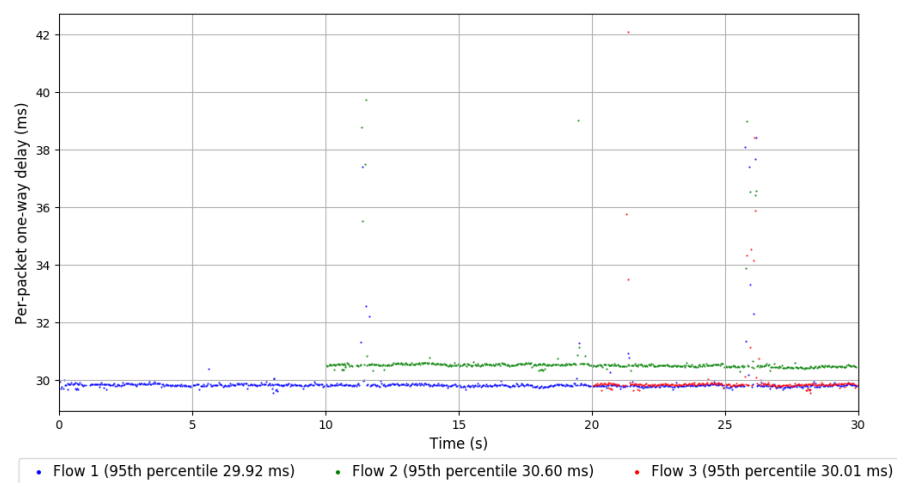
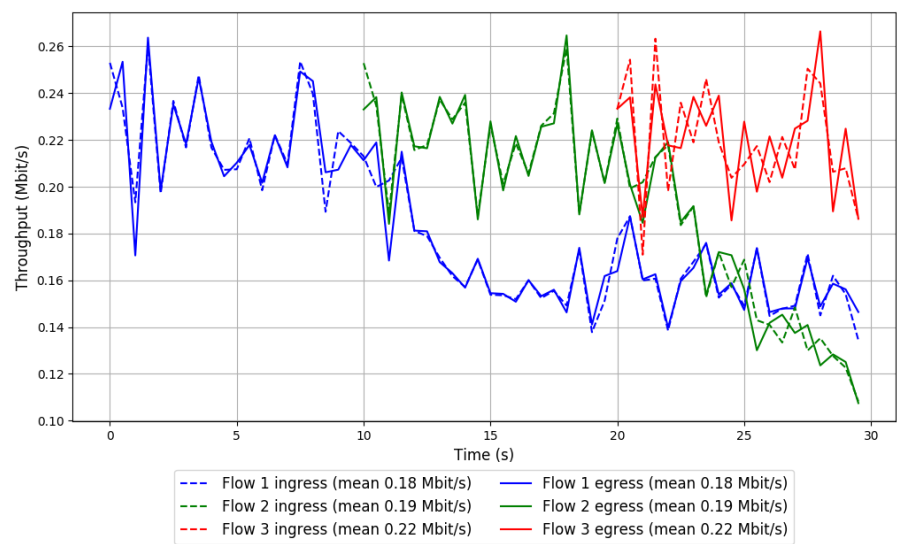


Run 3: Statistics of SReAM

Start at: 2018-02-28 05:46:22
End at: 2018-02-28 05:46:52
Local clock offset: 4.2 ms
Remote clock offset: -5.143 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 30.584 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 29.918 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 30.599 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.009 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

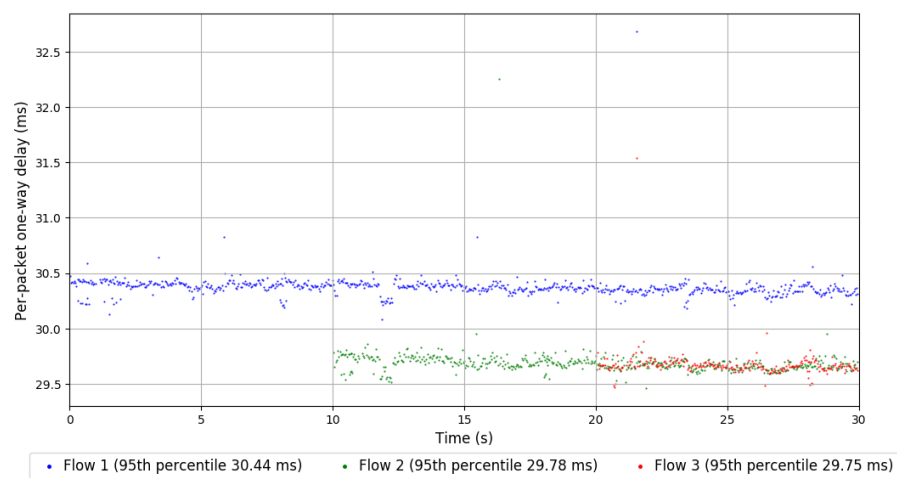
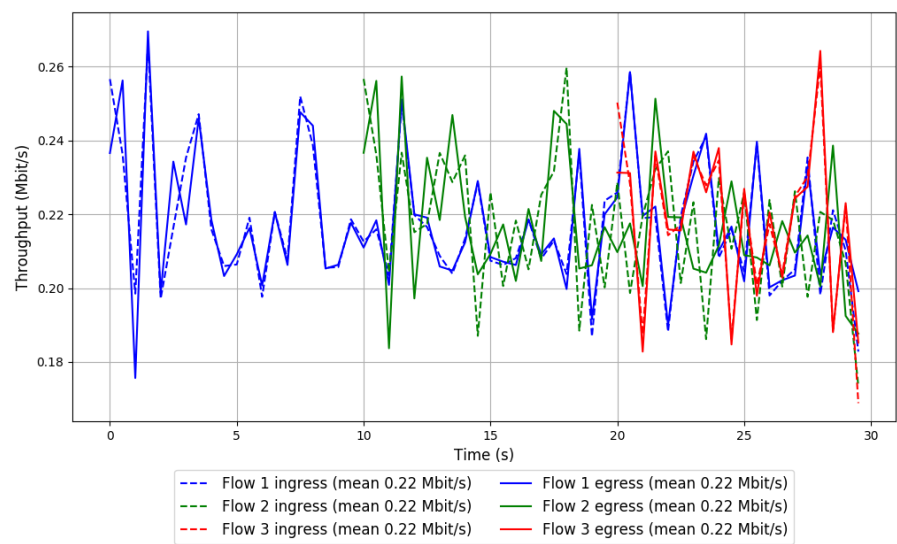


Run 4: Statistics of SReAM

Start at: 2018-02-28 06:14:25
End at: 2018-02-28 06:14:55
Local clock offset: -6.795 ms
Remote clock offset: -4.22 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.779 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.752 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

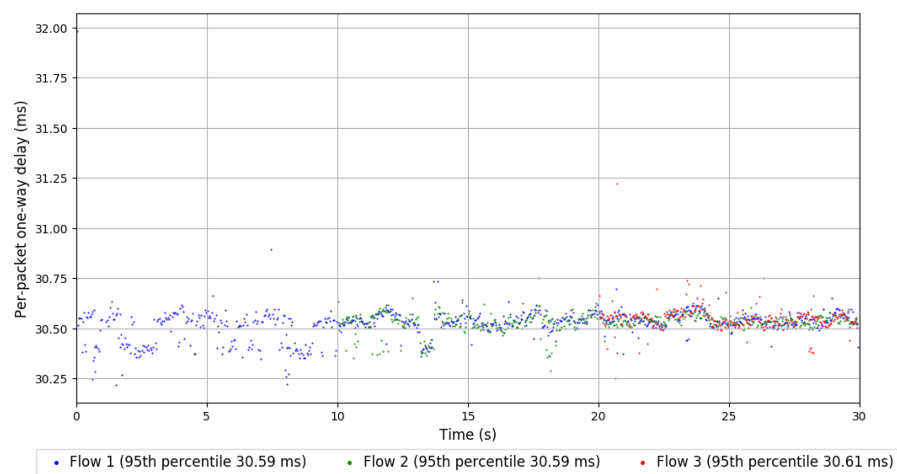
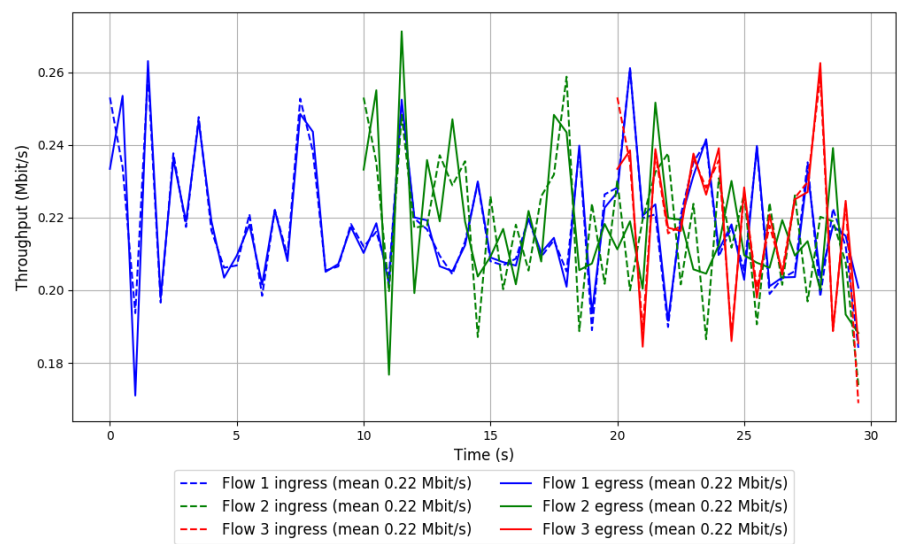


Run 5: Statistics of SReAM

Start at: 2018-02-28 06:42:43
End at: 2018-02-28 06:43:13
Local clock offset: -4.557 ms
Remote clock offset: -4.292 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.592 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.614 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

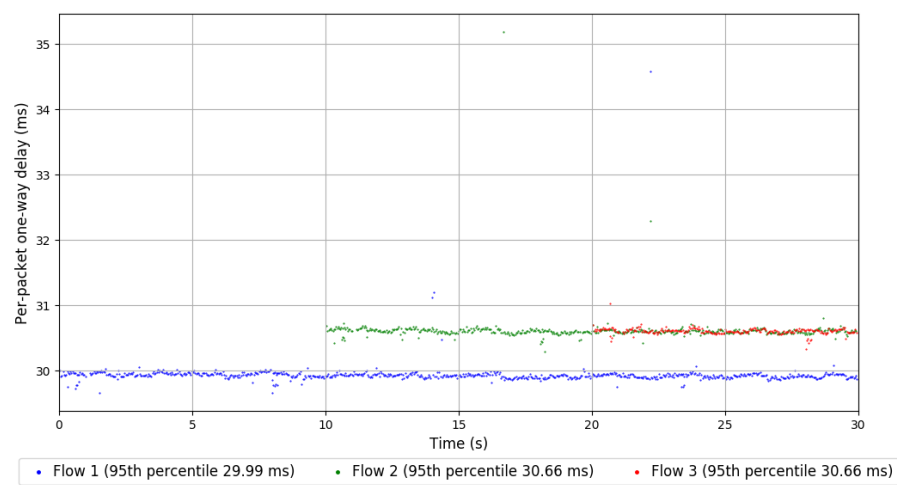
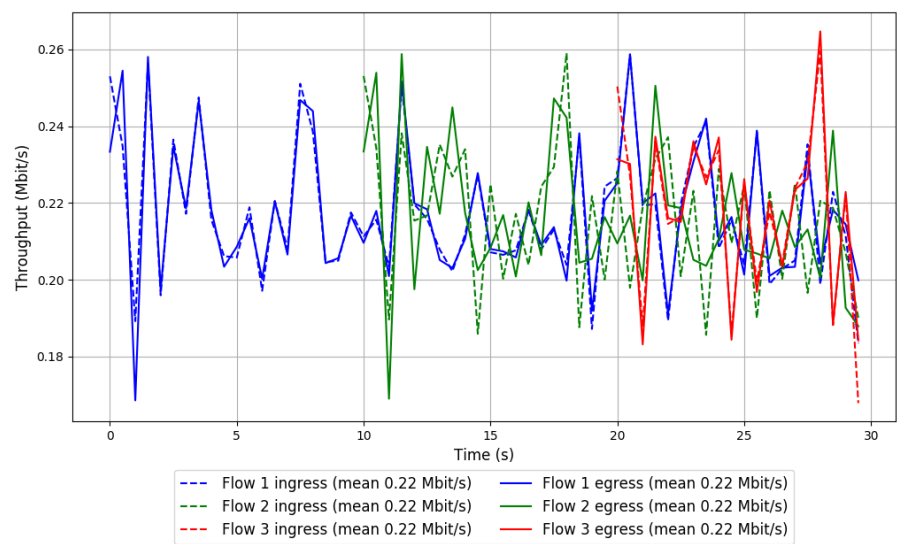


Run 6: Statistics of SReAM

Start at: 2018-02-28 07:12:05
End at: 2018-02-28 07:12:35
Local clock offset: -4.48 ms
Remote clock offset: -4.076 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.648 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.990 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.663 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.657 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-02-28 07:42:42

End at: 2018-02-28 07:43:12

Local clock offset: 0.008 ms

Remote clock offset: -2.53 ms

Below is generated by plot.py at 2018-02-28 10:10:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 28.728 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.738 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.715 ms

Loss rate: 0.19%

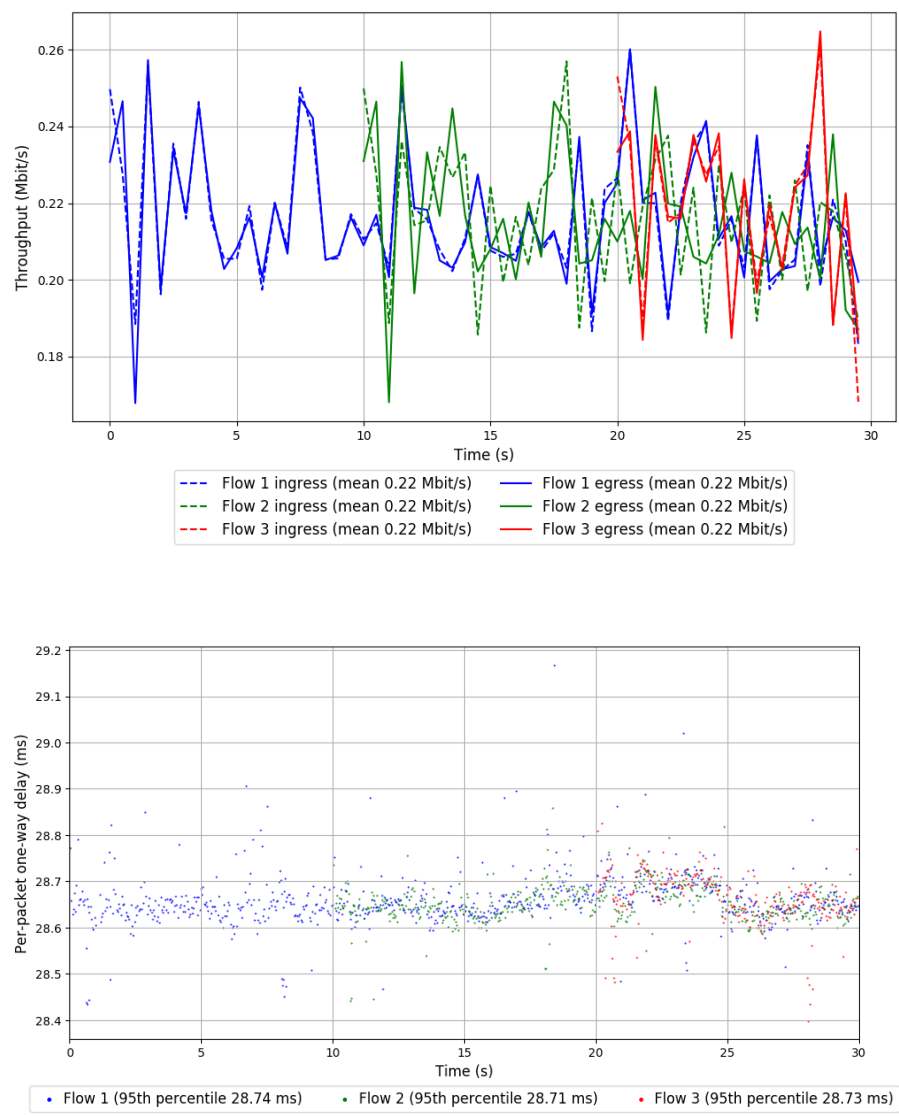
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.735 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-02-28 08:15:34

End at: 2018-02-28 08:16:04

Local clock offset: -3.64 ms

Remote clock offset: -3.87 ms

Below is generated by plot.py at 2018-02-28 10:10:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.292 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.300 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.270 ms

Loss rate: 0.00%

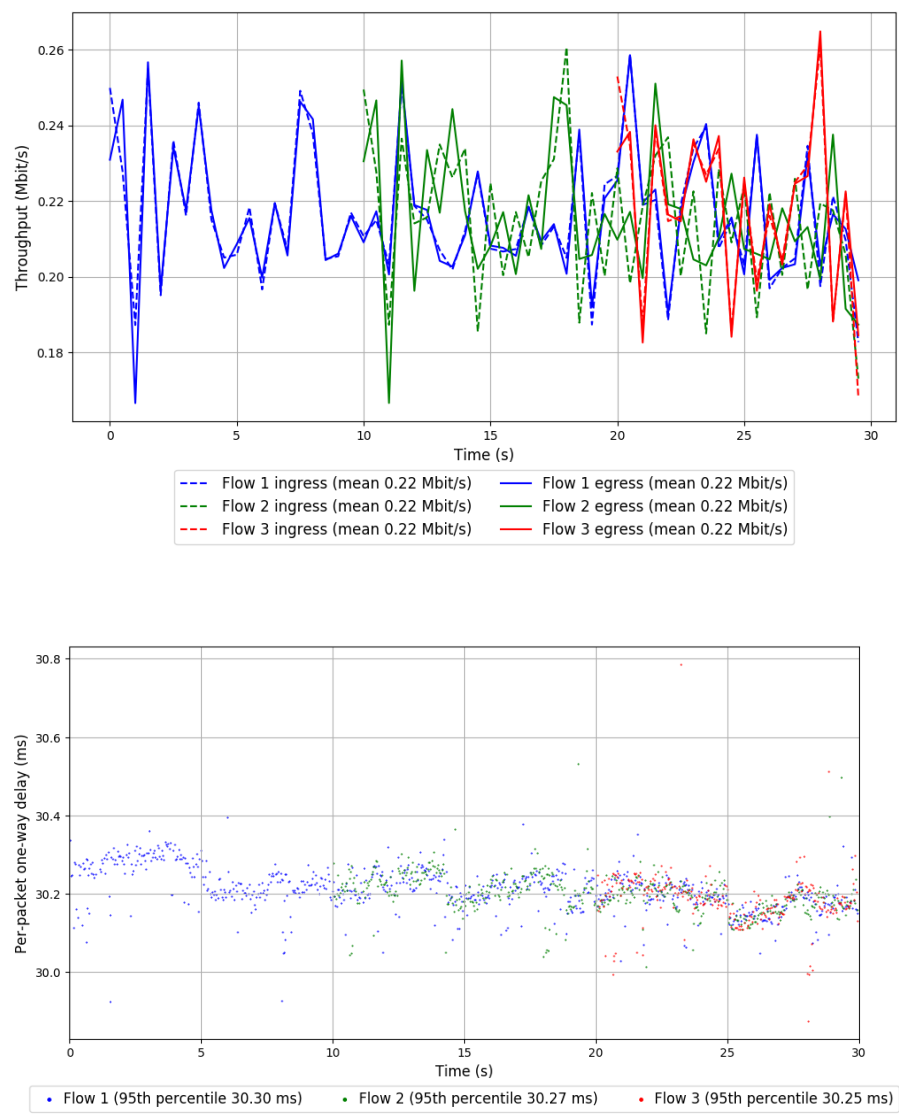
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.252 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

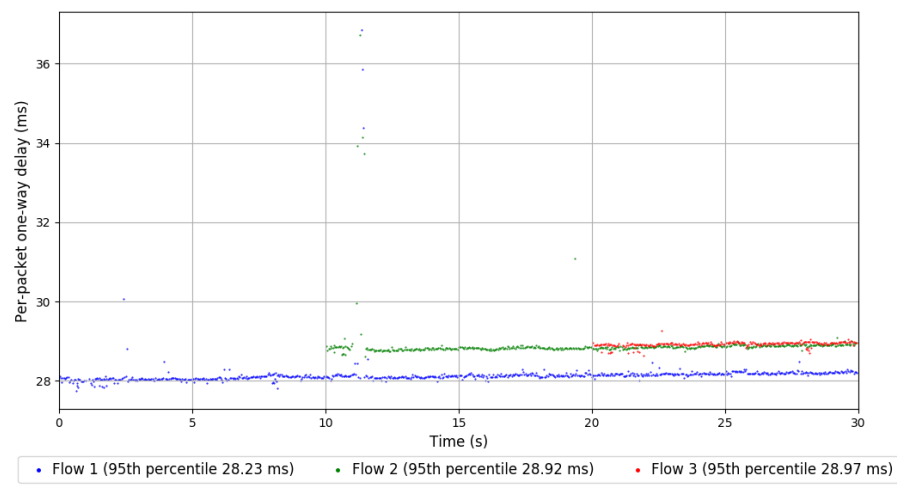
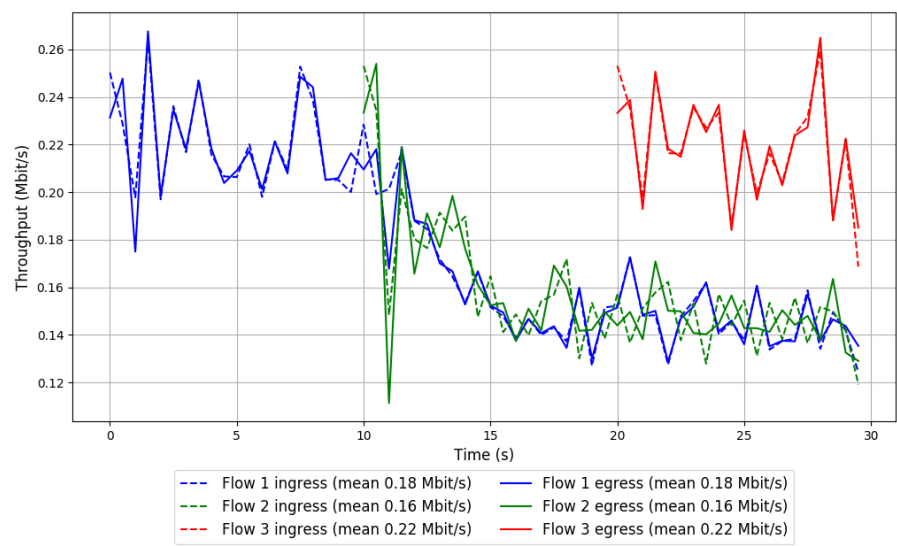


Run 9: Statistics of SReAM

Start at: 2018-02-28 08:45:12
End at: 2018-02-28 08:45:42
Local clock offset: -2.66 ms
Remote clock offset: -6.488 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 28.951 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 28.227 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 28.916 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.970 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

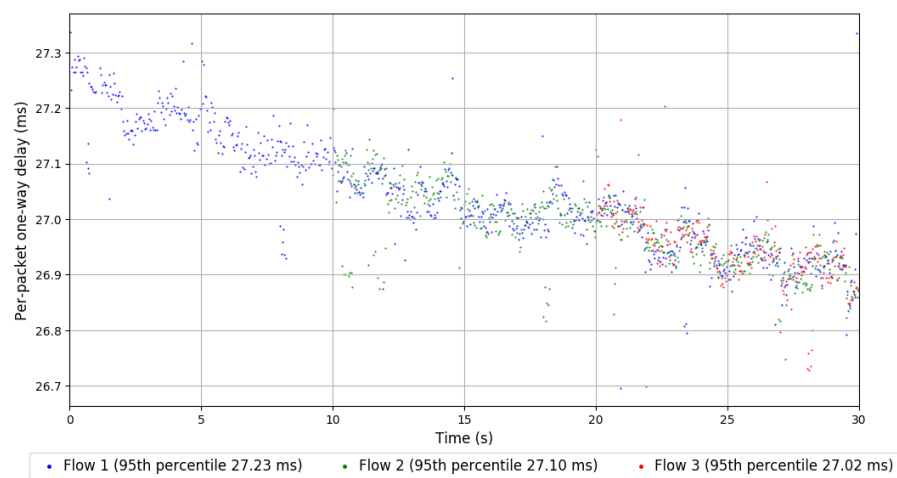
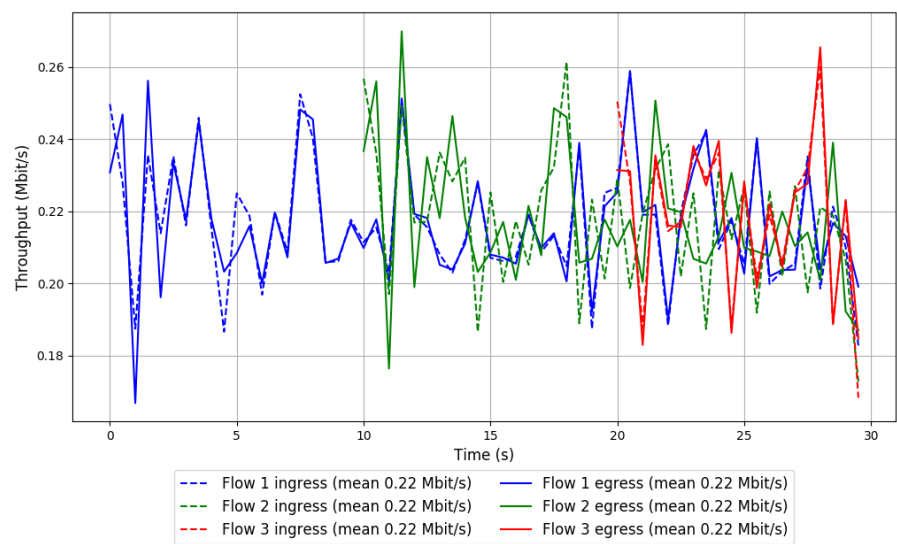


Run 10: Statistics of SReAM

Start at: 2018-02-28 09:14:04
End at: 2018-02-28 09:14:34
Local clock offset: 2.409 ms
Remote clock offset: -8.416 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 27.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.231 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.024 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

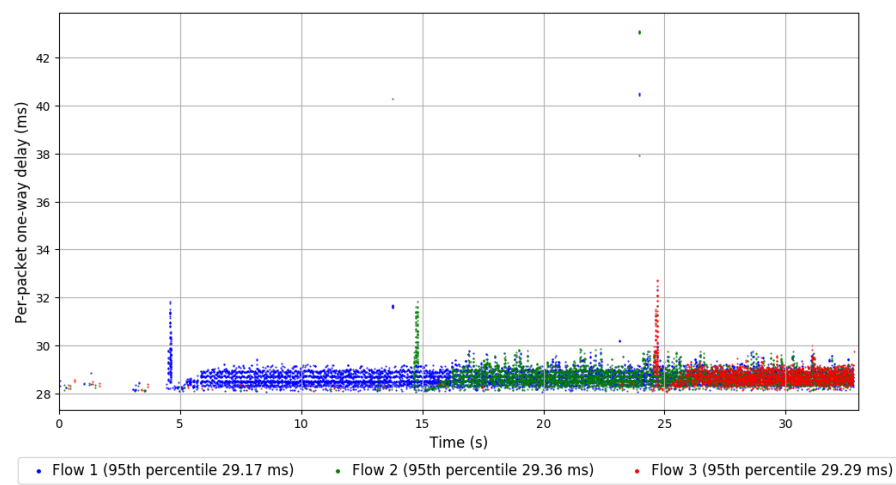
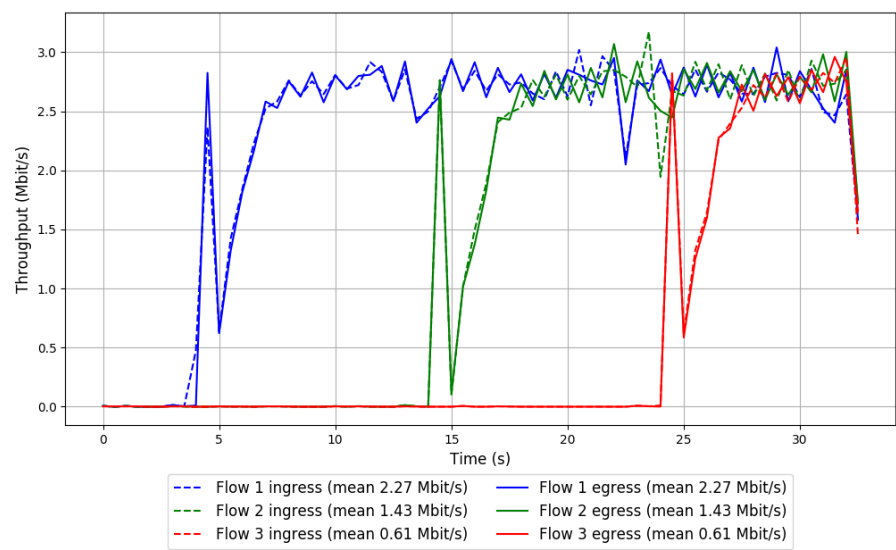


Run 1: Statistics of WebRTC media

Start at: 2018-02-28 04:57:47
End at: 2018-02-28 04:58:17
Local clock offset: -1.24 ms
Remote clock offset: -6.529 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 29.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 29.169 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 29.362 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 29.285 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

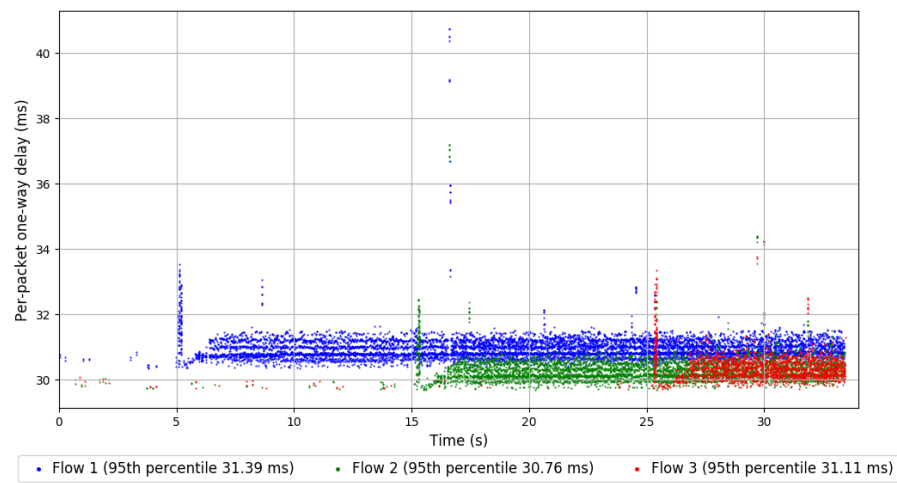
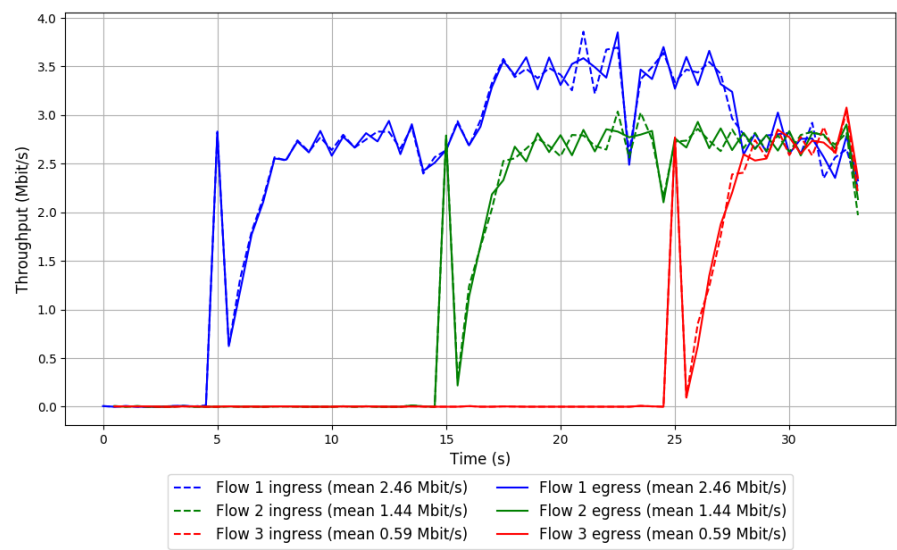


Run 2: Statistics of WebRTC media

Start at: 2018-02-28 05:30:28
End at: 2018-02-28 05:30:58
Local clock offset: 2.879 ms
Remote clock offset: -5.329 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 31.325 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 31.390 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 31.110 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

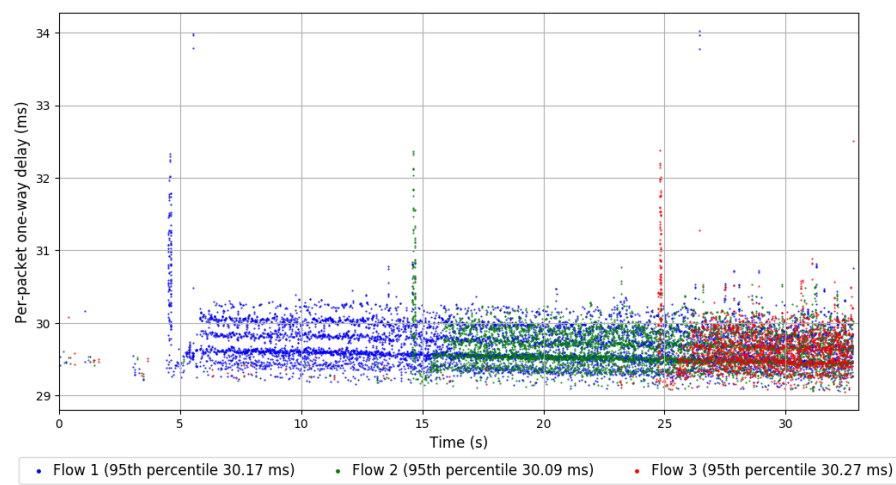
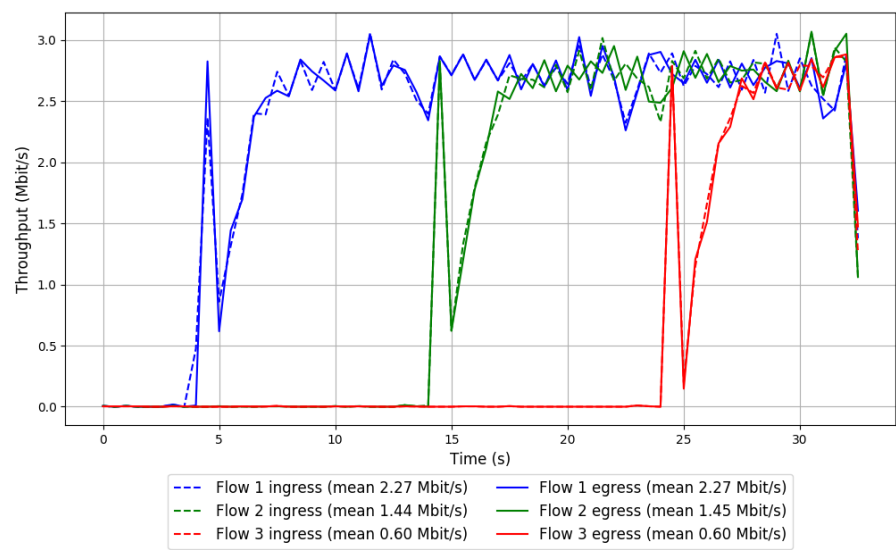


Run 3: Statistics of WebRTC media

Start at: 2018-02-28 05:58:28
End at: 2018-02-28 05:58:58
Local clock offset: -2.675 ms
Remote clock offset: -4.735 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 30.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 30.170 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 30.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 30.273 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-28 06:26:49

End at: 2018-02-28 06:27:19

Local clock offset: -6.364 ms

Remote clock offset: -6.12 ms

Below is generated by plot.py at 2018-02-28 10:10:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.15 Mbit/s

95th percentile per-packet one-way delay: 29.712 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 29.746 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 29.427 ms

Loss rate: 0.35%

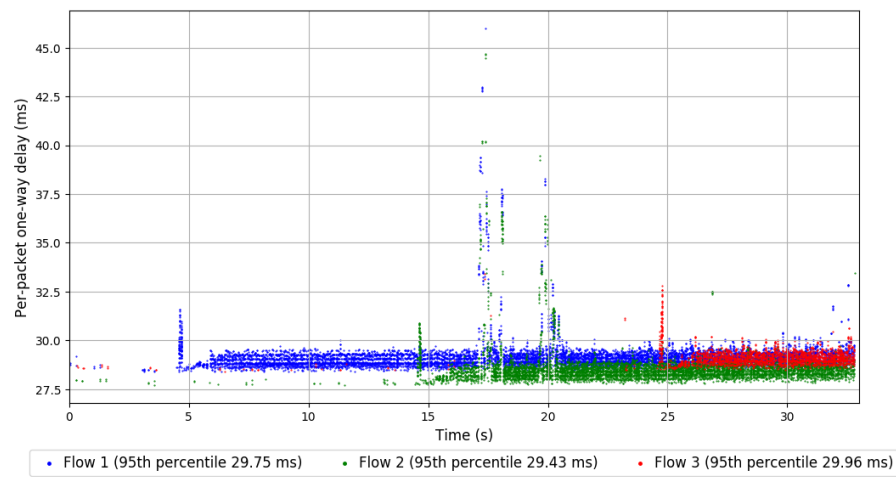
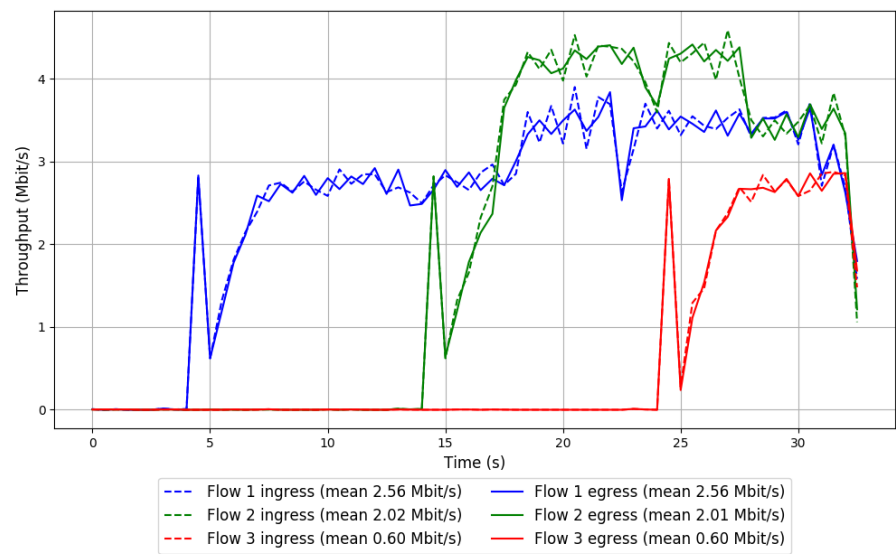
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 29.958 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

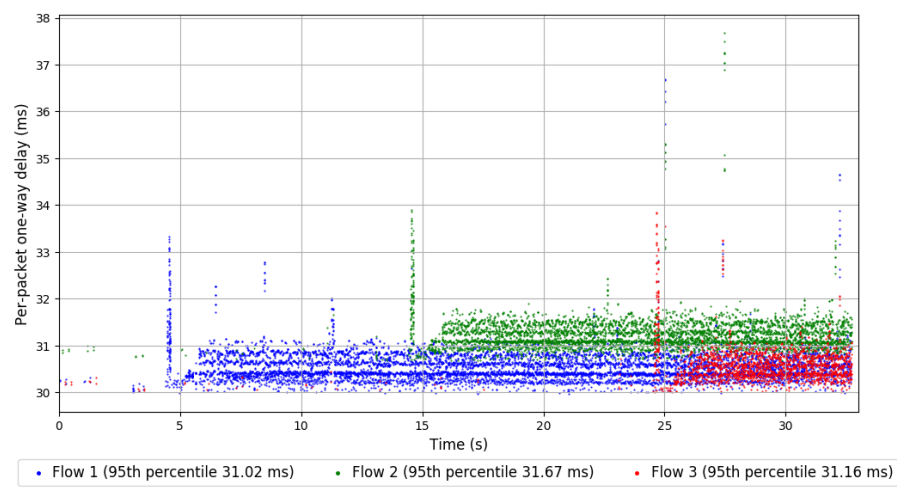
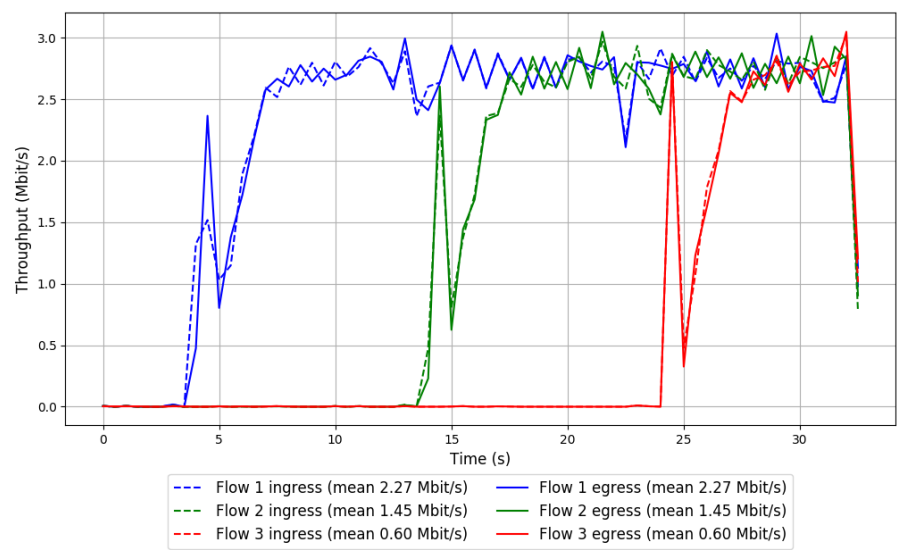


Run 5: Statistics of WebRTC media

Start at: 2018-02-28 06:54:43
End at: 2018-02-28 06:55:13
Local clock offset: -4.922 ms
Remote clock offset: -3.796 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 31.528 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 31.666 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 31.160 ms
Loss rate: 0.05%

Run 5: Report of WebRTC media — Data Link

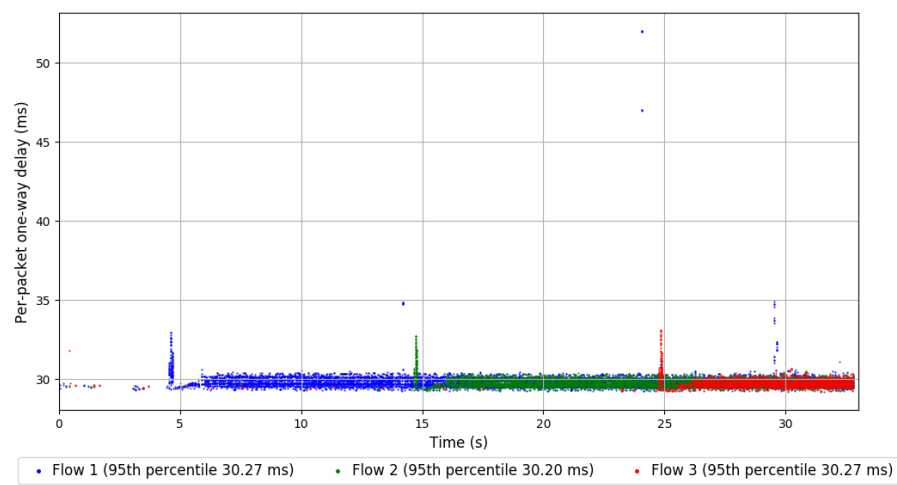
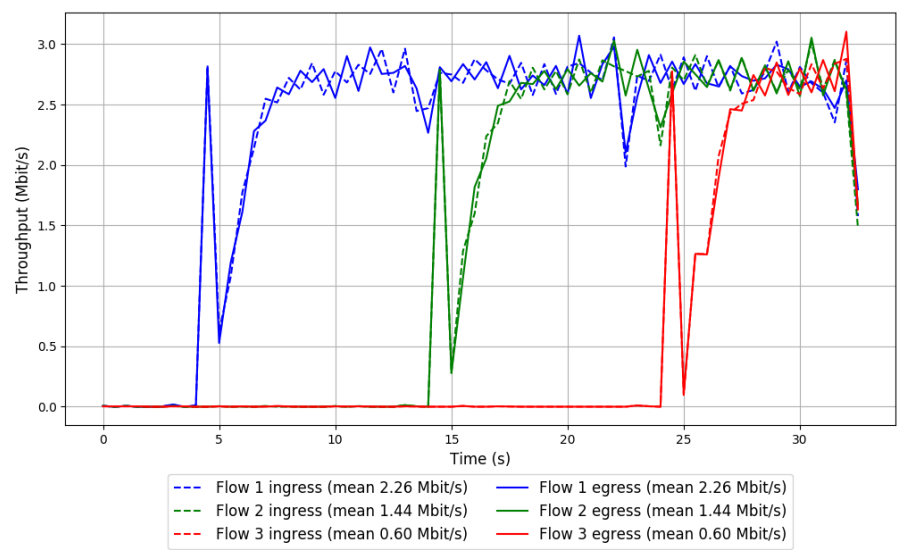


Run 6: Statistics of WebRTC media

Start at: 2018-02-28 07:25:55
End at: 2018-02-28 07:26:25
Local clock offset: -4.695 ms
Remote clock offset: -3.619 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 30.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 30.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 30.265 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-02-28 07:56:03

End at: 2018-02-28 07:56:33

Local clock offset: 1.878 ms

Remote clock offset: 1.22 ms

Below is generated by plot.py at 2018-02-28 10:10:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 31.329 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 31.393 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 30.699 ms

Loss rate: 0.00%

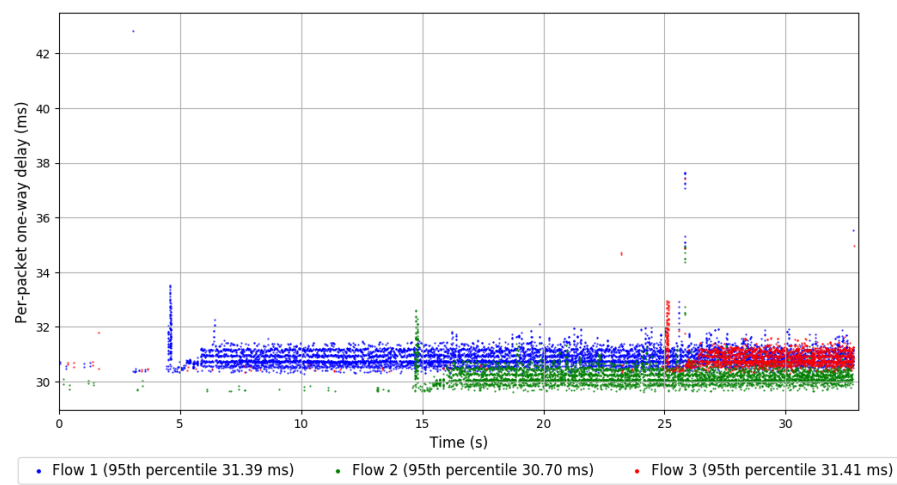
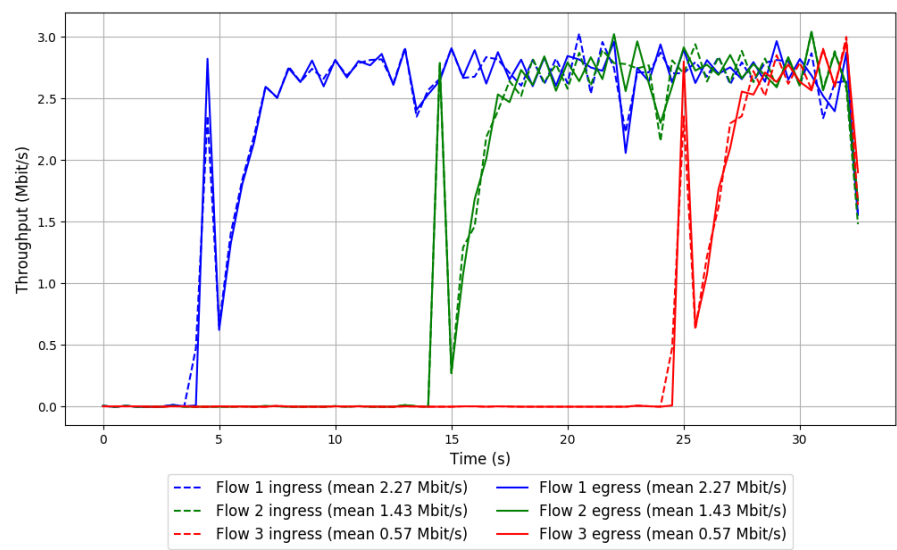
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 31.406 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

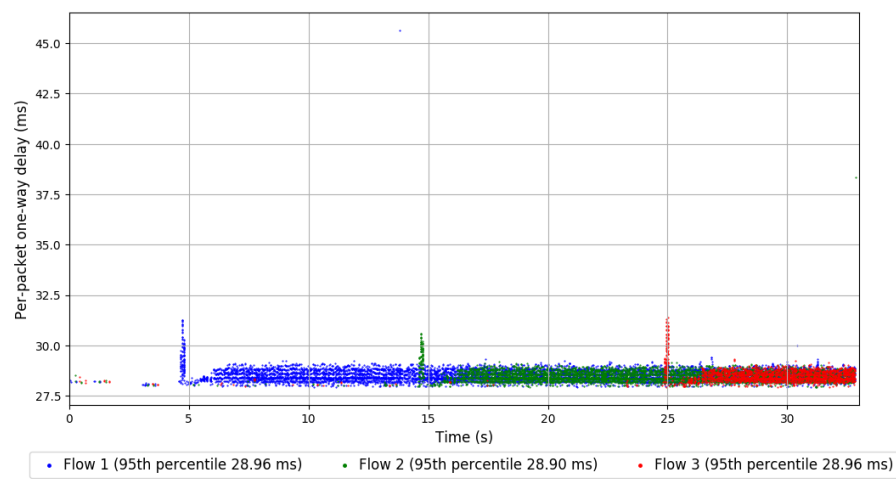
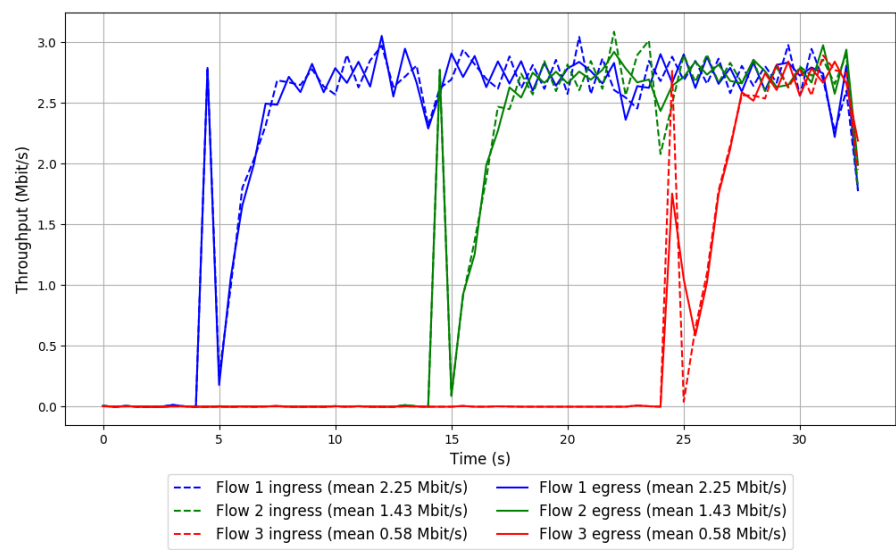


Run 8: Statistics of WebRTC media

Start at: 2018-02-28 08:28:53
End at: 2018-02-28 08:29:23
Local clock offset: -6.835 ms
Remote clock offset: -6.769 ms

```
# Below is generated by plot.py at 2018-02-28 10:10:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 28.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 28.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 28.898 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 28.959 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

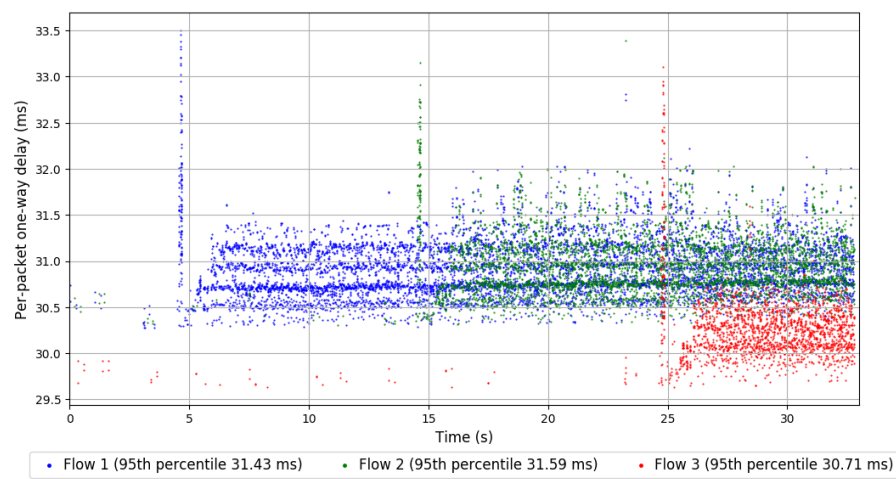
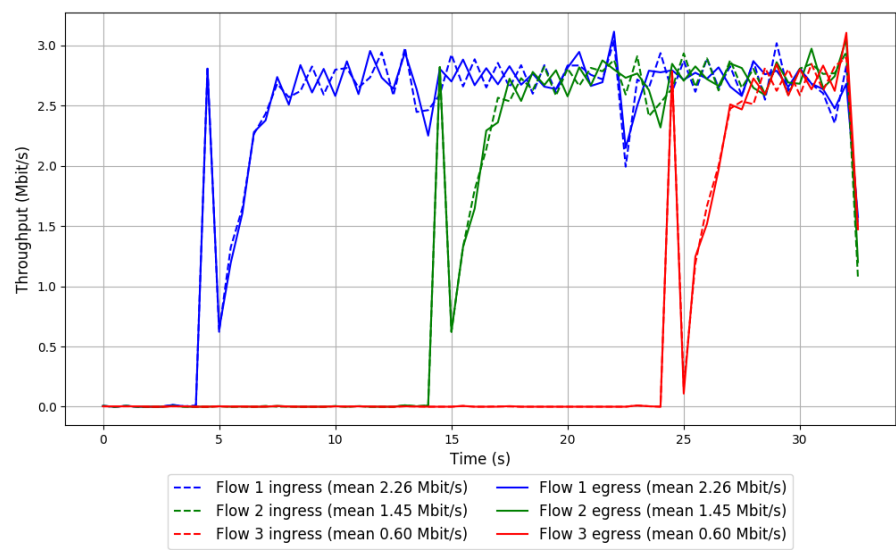


Run 9: Statistics of WebRTC media

Start at: 2018-02-28 08:57:57
End at: 2018-02-28 08:58:27
Local clock offset: 1.655 ms
Remote clock offset: -4.334 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 31.482 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 31.435 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 31.595 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 30.711 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

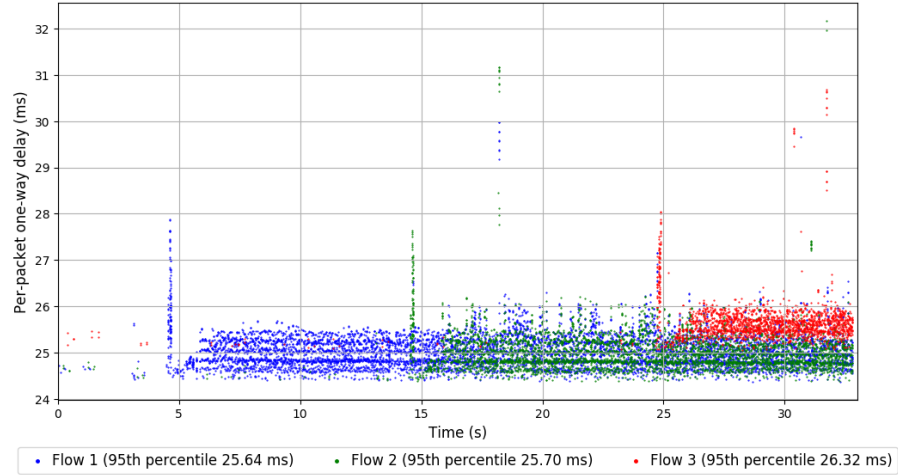
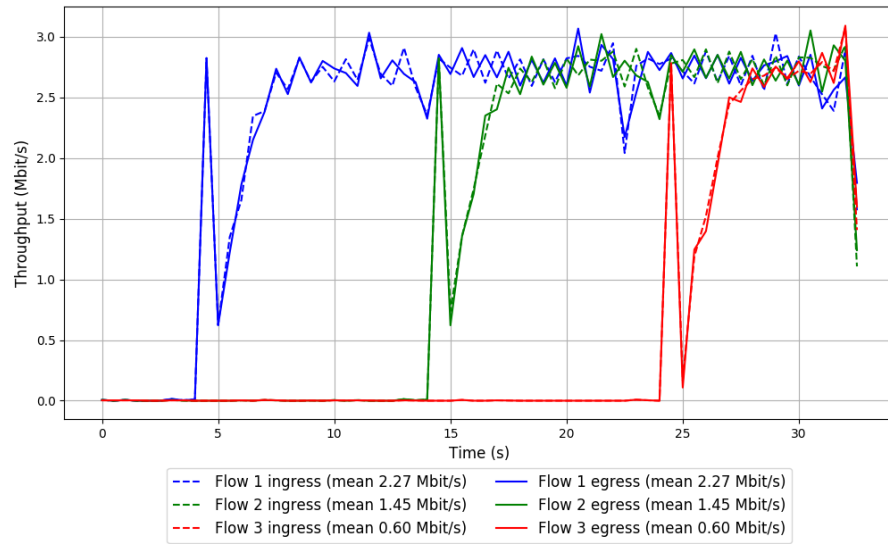


Run 10: Statistics of WebRTC media

Start at: 2018-02-28 09:25:52
End at: 2018-02-28 09:26:22
Local clock offset: -3.981 ms
Remote clock offset: -13.173 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 25.855 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 25.637 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 25.701 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 26.324 ms
Loss rate: 0.05%

Run 10: Report of WebRTC media — Data Link

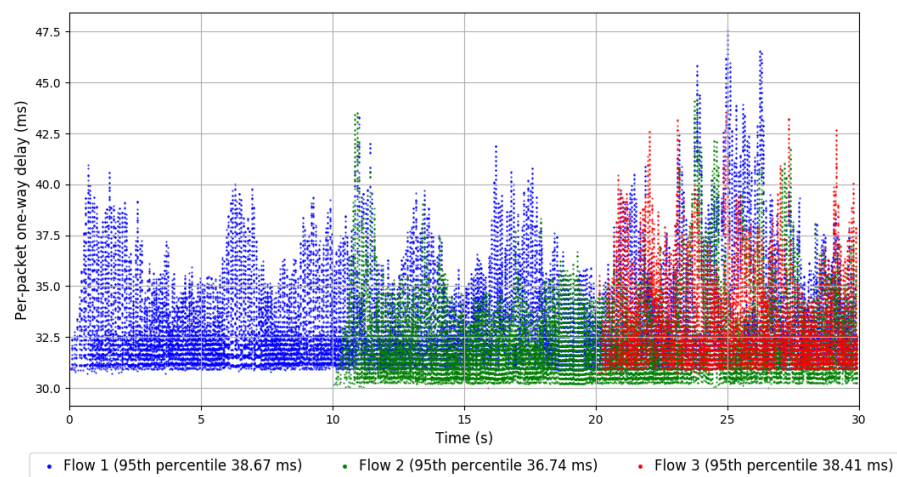
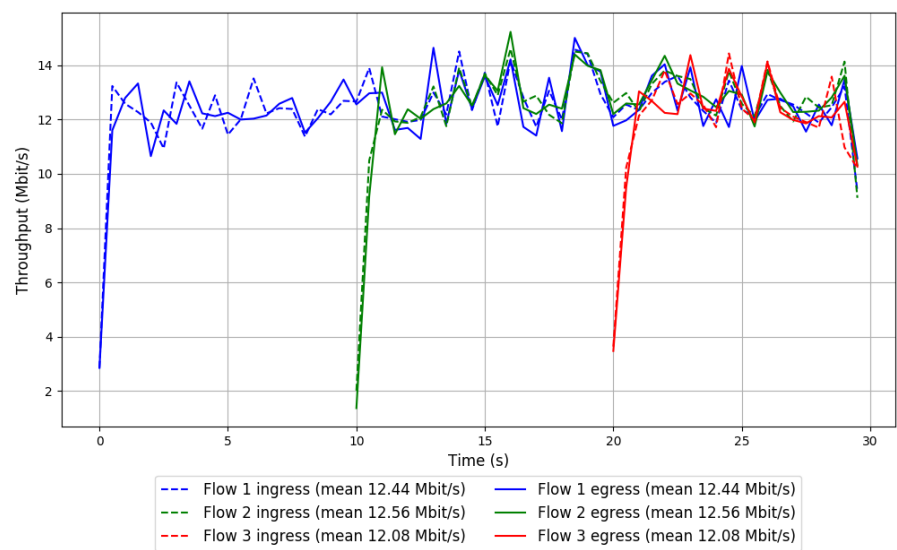


Run 1: Statistics of Sprout

Start at: 2018-02-28 05:04:23
End at: 2018-02-28 05:04:53
Local clock offset: -0.627 ms
Remote clock offset: -3.457 ms

Below is generated by plot.py at 2018-02-28 10:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 38.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 38.666 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 36.741 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 38.407 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

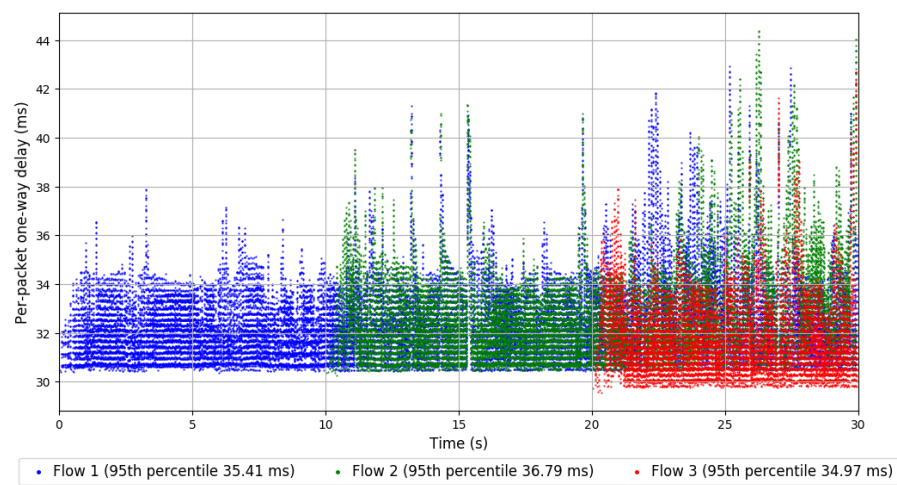
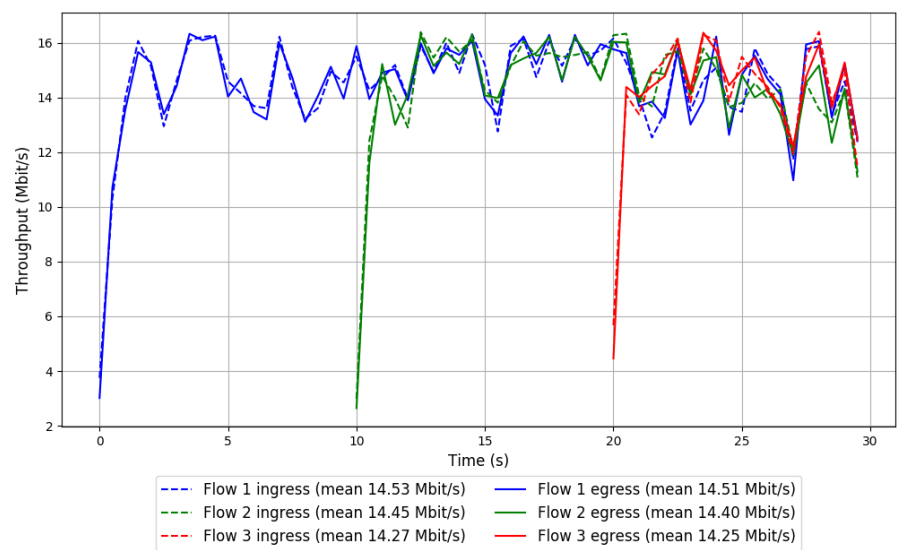


Run 2: Statistics of Sprout

Start at: 2018-02-28 05:36:20
End at: 2018-02-28 05:36:50
Local clock offset: 3.437 ms
Remote clock offset: -5.403 ms

```
# Below is generated by plot.py at 2018-02-28 10:10:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 35.851 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 14.51 Mbit/s
95th percentile per-packet one-way delay: 35.411 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 14.40 Mbit/s
95th percentile per-packet one-way delay: 36.789 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 34.965 ms
Loss rate: 0.16%
```

Run 2: Report of Sprout — Data Link

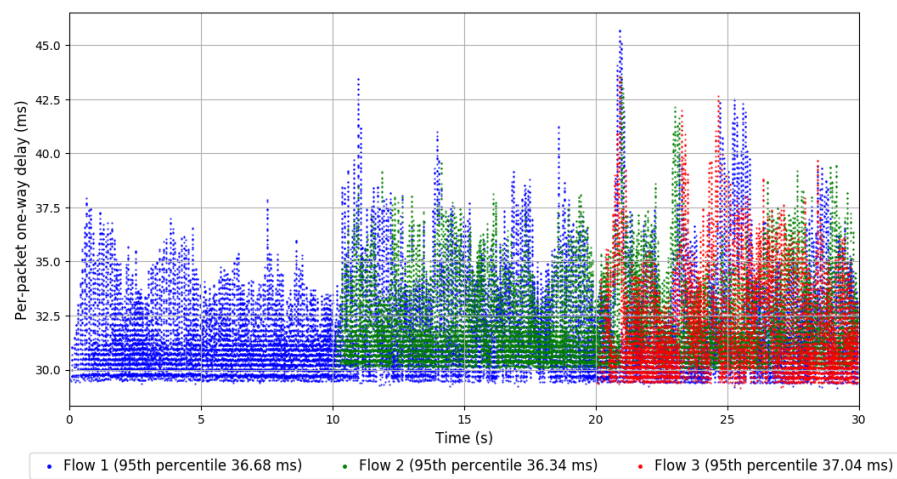
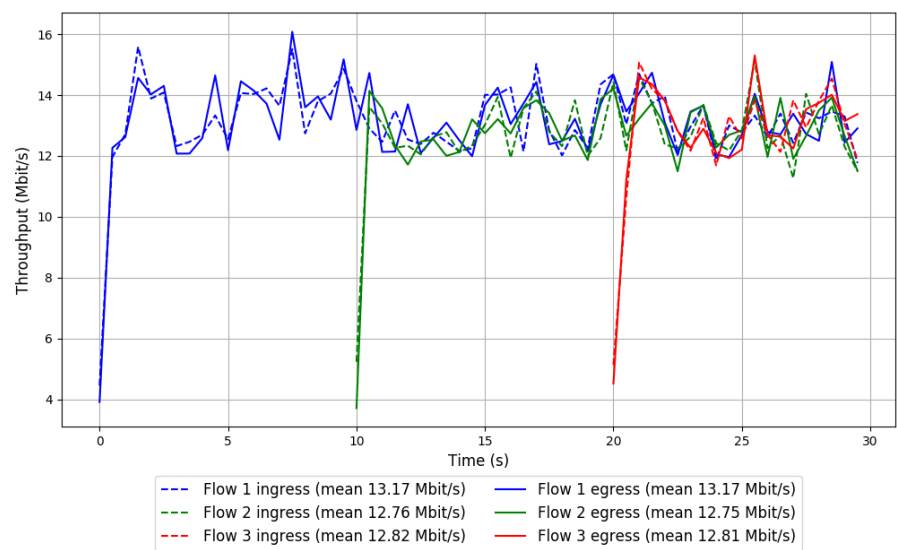


Run 3: Statistics of Sprout

Start at: 2018-02-28 06:04:29
End at: 2018-02-28 06:04:59
Local clock offset: -4.691 ms
Remote clock offset: -4.514 ms

```
# Below is generated by plot.py at 2018-02-28 10:10:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.88 Mbit/s
95th percentile per-packet one-way delay: 36.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 36.676 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 36.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 37.044 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

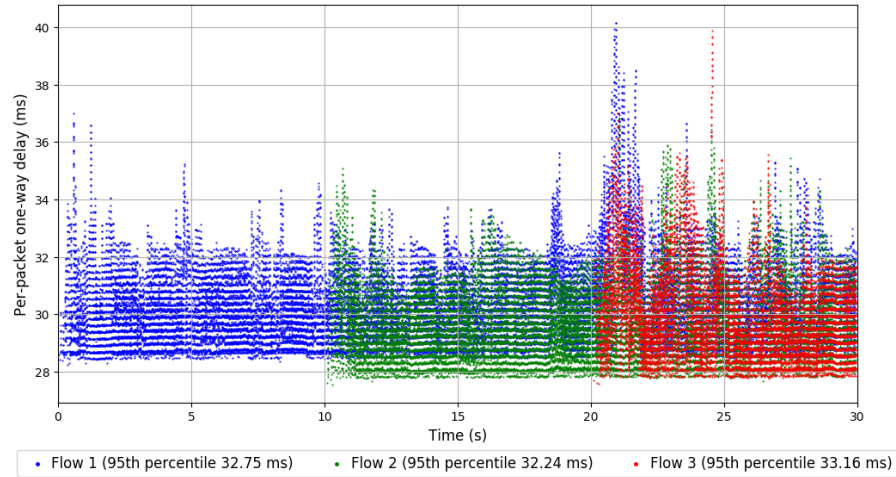
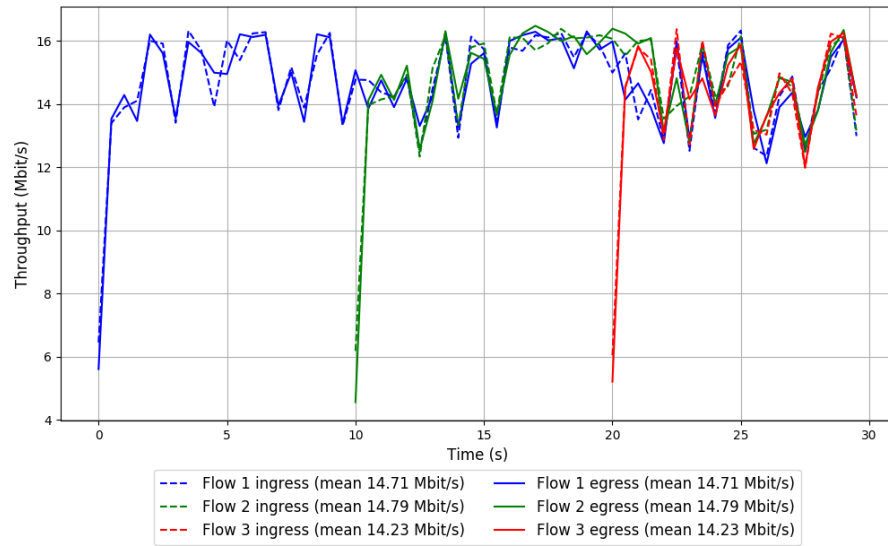


Run 4: Statistics of Sprout

Start at: 2018-02-28 06:32:46
End at: 2018-02-28 06:33:16
Local clock offset: -5.182 ms
Remote clock offset: -6.224 ms

```
# Below is generated by plot.py at 2018-02-28 10:10:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 32.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.71 Mbit/s
95th percentile per-packet one-way delay: 32.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.79 Mbit/s
95th percentile per-packet one-way delay: 32.245 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.23 Mbit/s
95th percentile per-packet one-way delay: 33.157 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

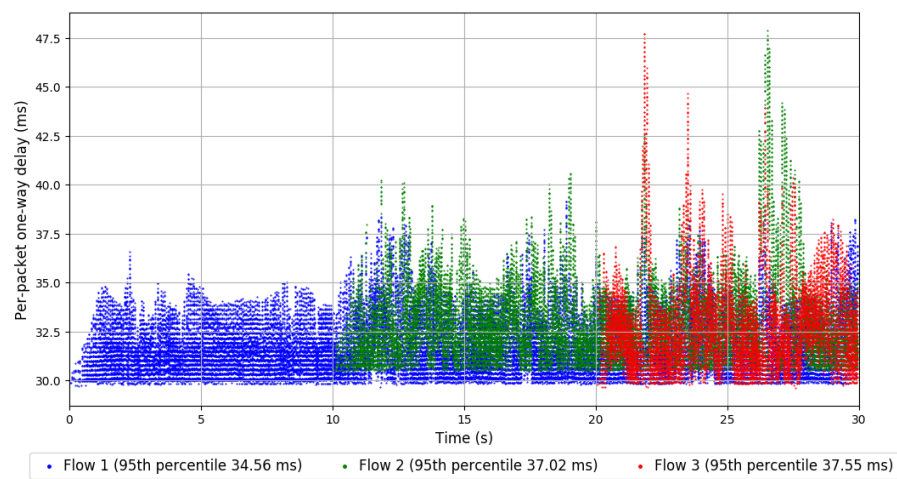
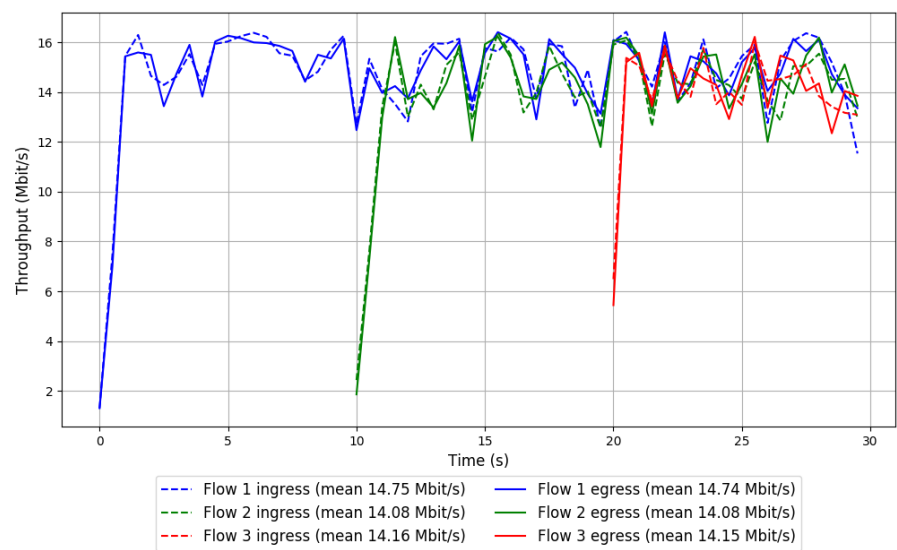


Run 5: Statistics of Sprout

Start at: 2018-02-28 07:00:37
End at: 2018-02-28 07:01:07
Local clock offset: -4.61 ms
Remote clock offset: -4.059 ms

```
# Below is generated by plot.py at 2018-02-28 10:10:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.78 Mbit/s
95th percentile per-packet one-way delay: 35.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 34.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 37.023 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 37.553 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

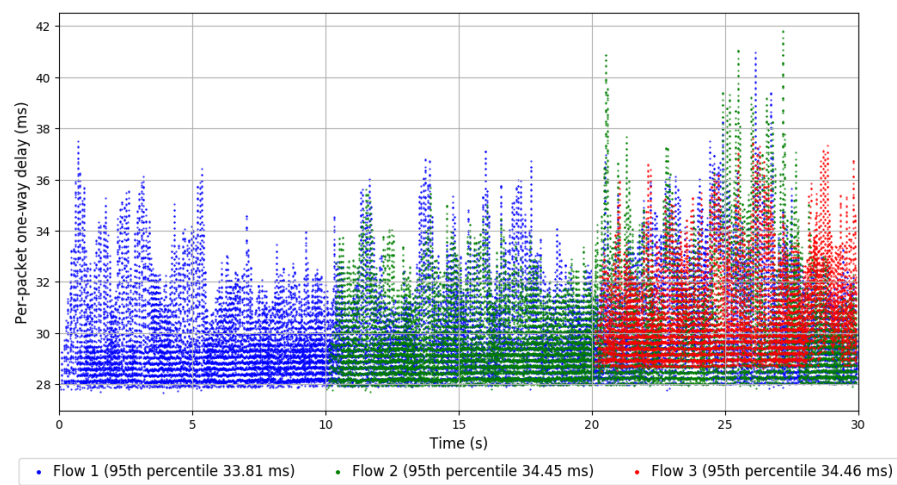
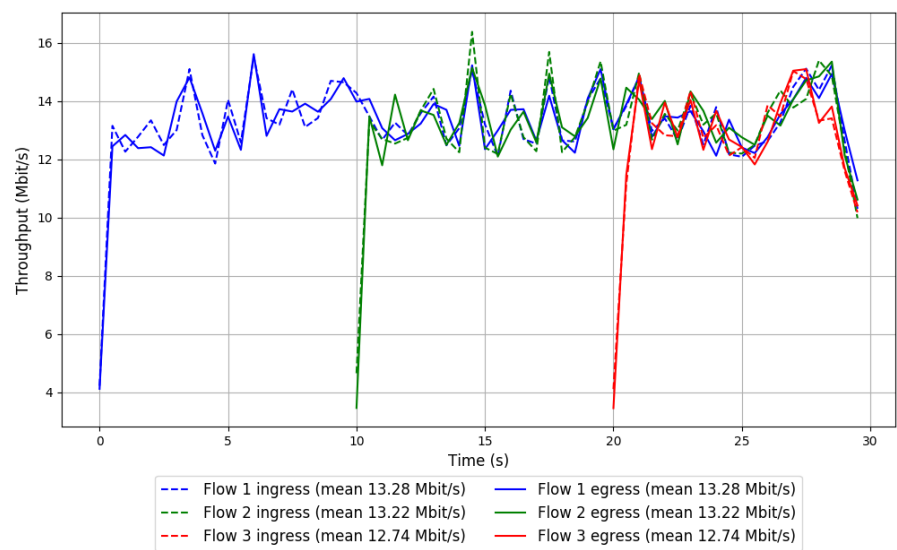


Run 6: Statistics of Sprout

Start at: 2018-02-28 07:32:35
End at: 2018-02-28 07:33:05
Local clock offset: -3.652 ms
Remote clock offset: -4.199 ms

Below is generated by plot.py at 2018-02-28 10:10:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.27 Mbit/s
95th percentile per-packet one-way delay: 34.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 33.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.22 Mbit/s
95th percentile per-packet one-way delay: 34.455 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 34.457 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

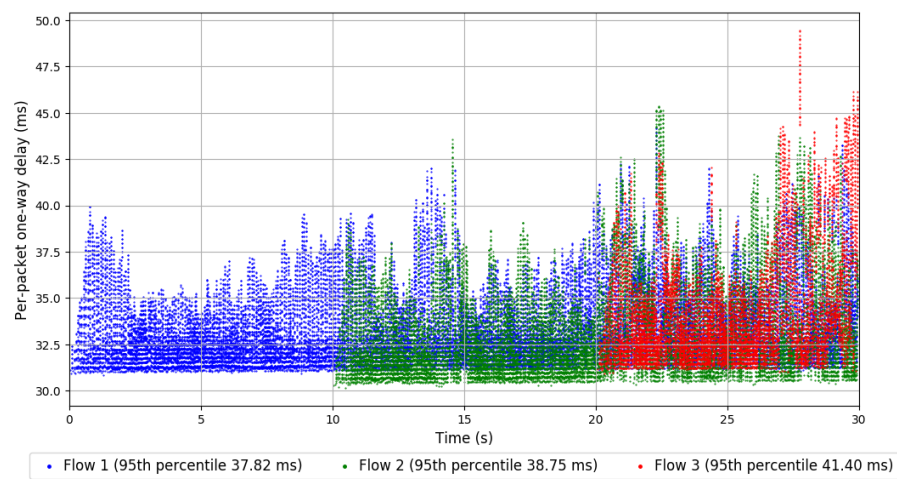
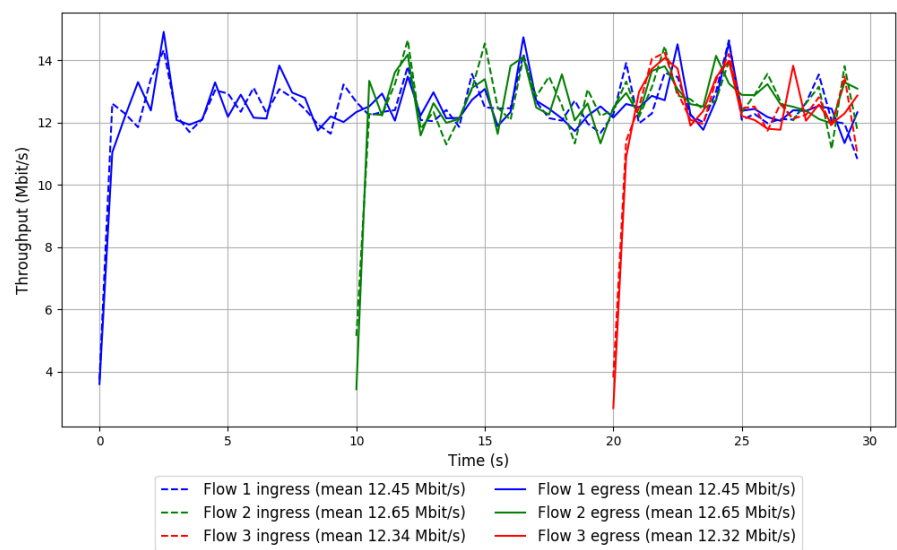


Run 7: Statistics of Sprout

Start at: 2018-02-28 08:02:49
End at: 2018-02-28 08:03:19
Local clock offset: 2.482 ms
Remote clock offset: -0.426 ms

```
# Below is generated by plot.py at 2018-02-28 10:10:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 38.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 37.819 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 38.747 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 41.401 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-28 08:35:28

End at: 2018-02-28 08:35:58

Local clock offset: -7.787 ms

Remote clock offset: -6.75 ms

Below is generated by plot.py at 2018-02-28 10:10:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.71 Mbit/s

95th percentile per-packet one-way delay: 35.381 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 35.166 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 35.193 ms

Loss rate: 0.00%

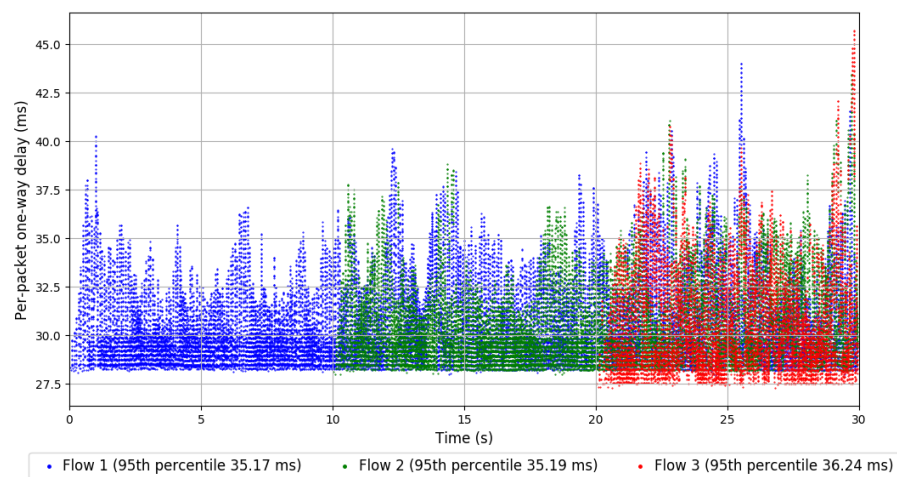
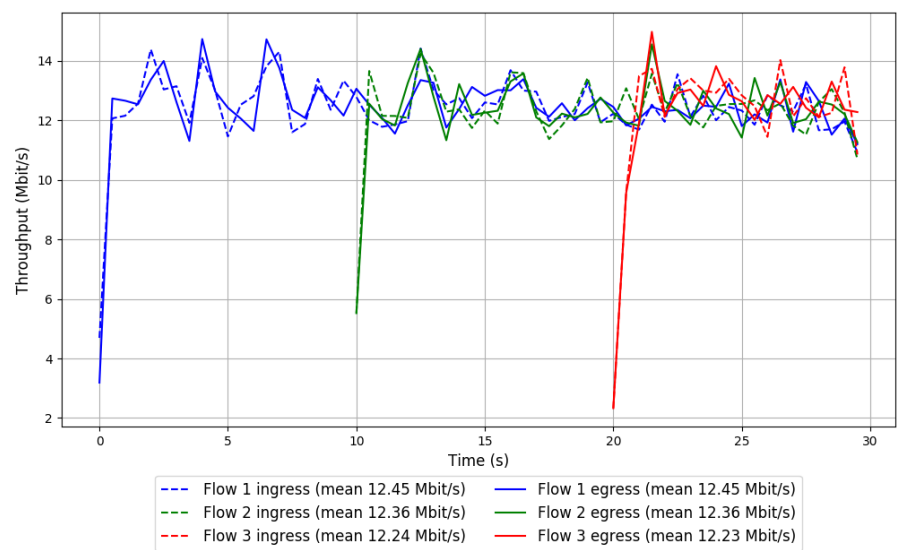
-- Flow 3:

Average throughput: 12.23 Mbit/s

95th percentile per-packet one-way delay: 36.243 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

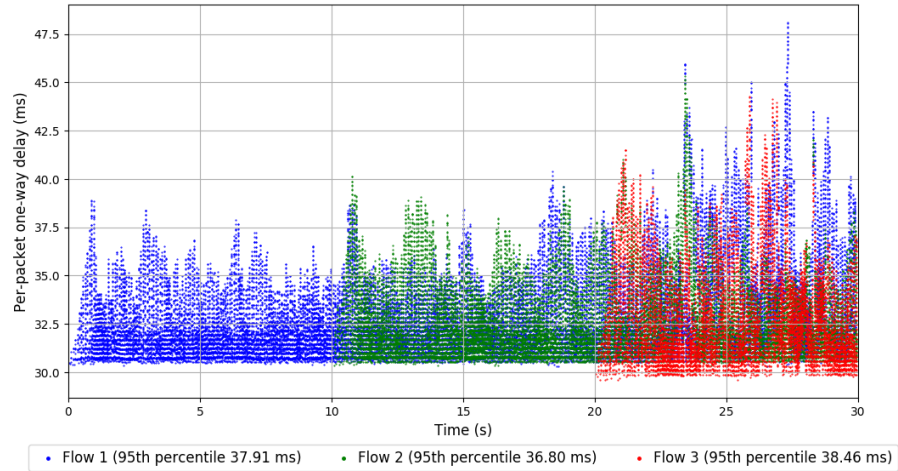
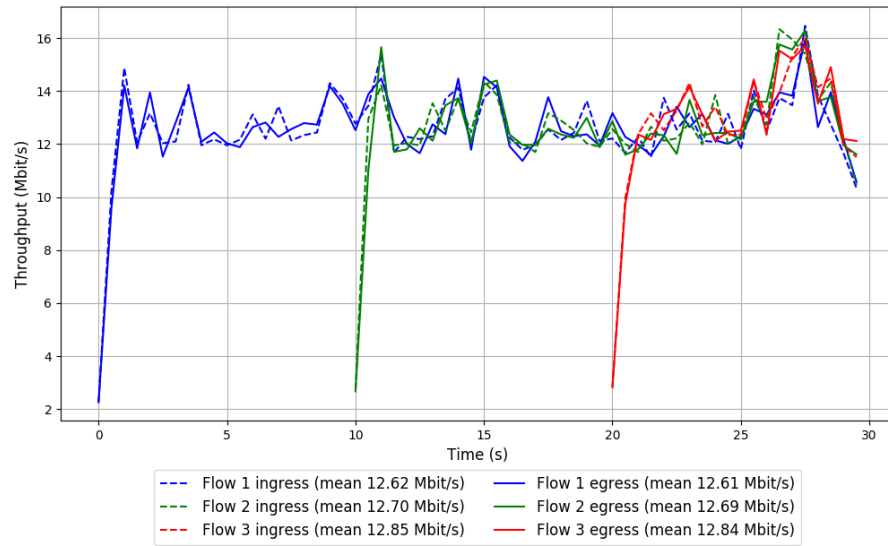


Run 9: Statistics of Sprout

Start at: 2018-02-28 09:04:38
End at: 2018-02-28 09:05:08
Local clock offset: 2.549 ms
Remote clock offset: -4.276 ms

Below is generated by plot.py at 2018-02-28 10:10:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 37.662 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 37.915 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 36.801 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 38.459 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

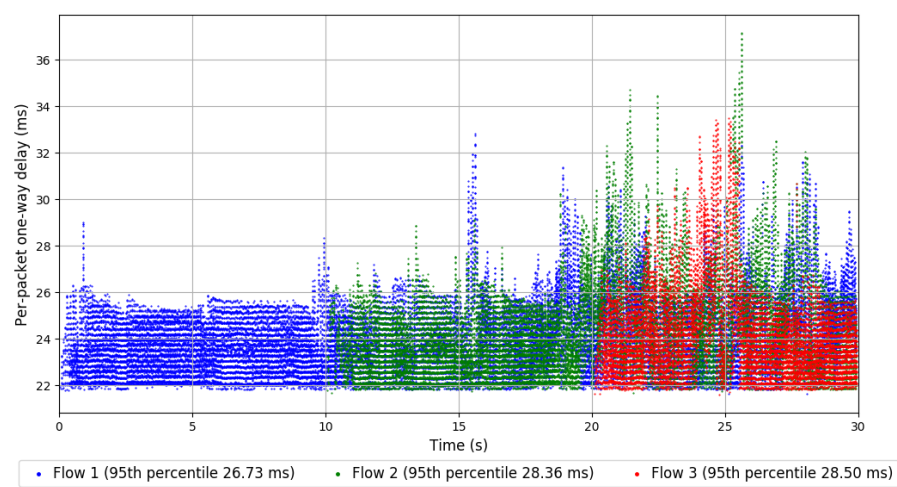
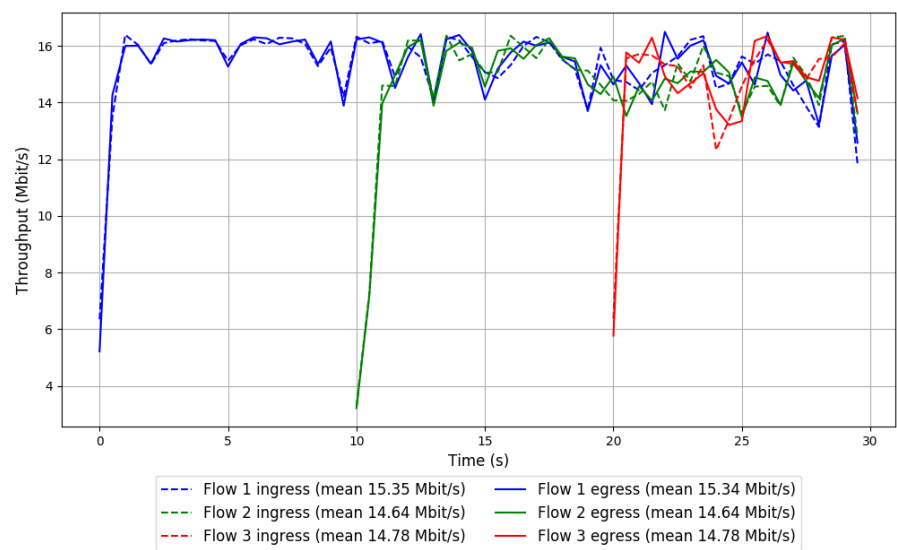


Run 10: Statistics of Sprout

Start at: 2018-02-28 09:31:26
End at: 2018-02-28 09:31:56
Local clock offset: 0.238 ms
Remote clock offset: -11.936 ms

Below is generated by plot.py at 2018-02-28 10:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 27.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.34 Mbit/s
95th percentile per-packet one-way delay: 26.733 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.64 Mbit/s
95th percentile per-packet one-way delay: 28.364 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 28.495 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

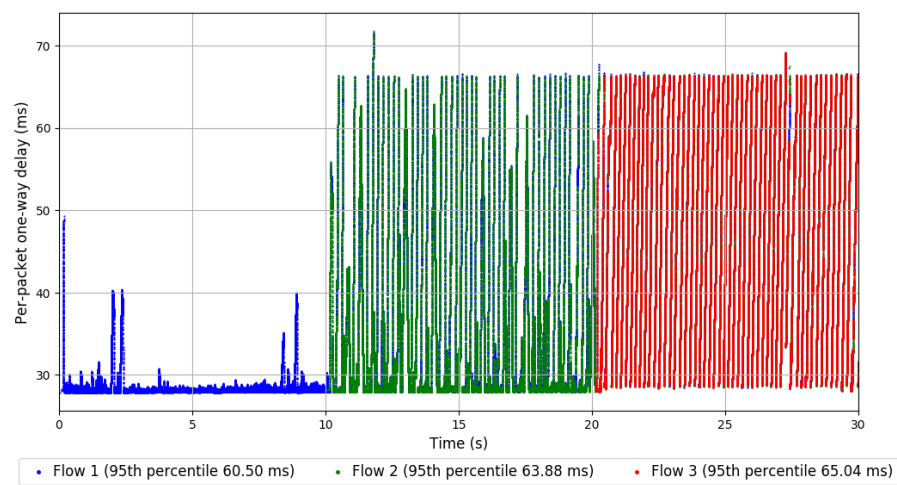
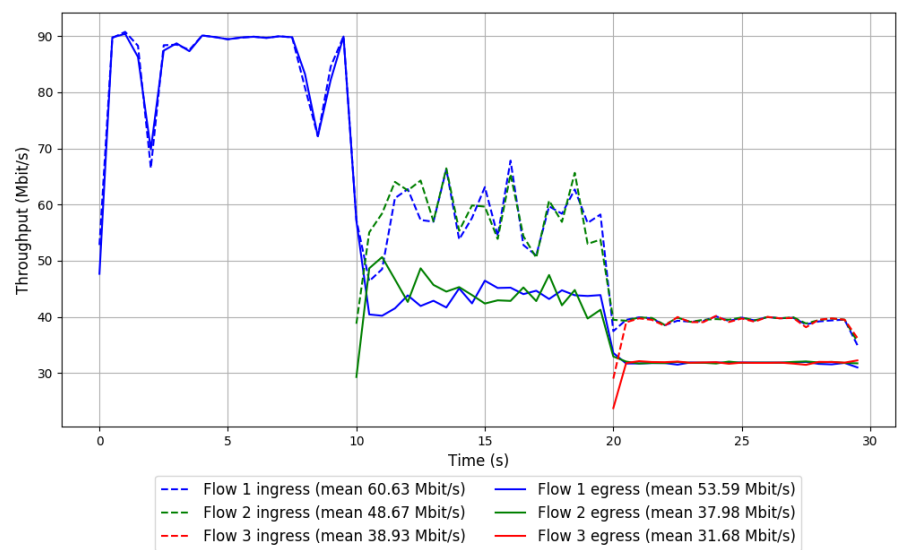


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-28 04:42:48
End at: 2018-02-28 04:43:18
Local clock offset: -5.694 ms
Remote clock offset: -7.838 ms

Below is generated by plot.py at 2018-02-28 10:12:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 63.016 ms
Loss rate: 15.64%
-- Flow 1:
Average throughput: 53.59 Mbit/s
95th percentile per-packet one-way delay: 60.501 ms
Loss rate: 11.61%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 63.881 ms
Loss rate: 21.95%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 65.039 ms
Loss rate: 18.74%

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

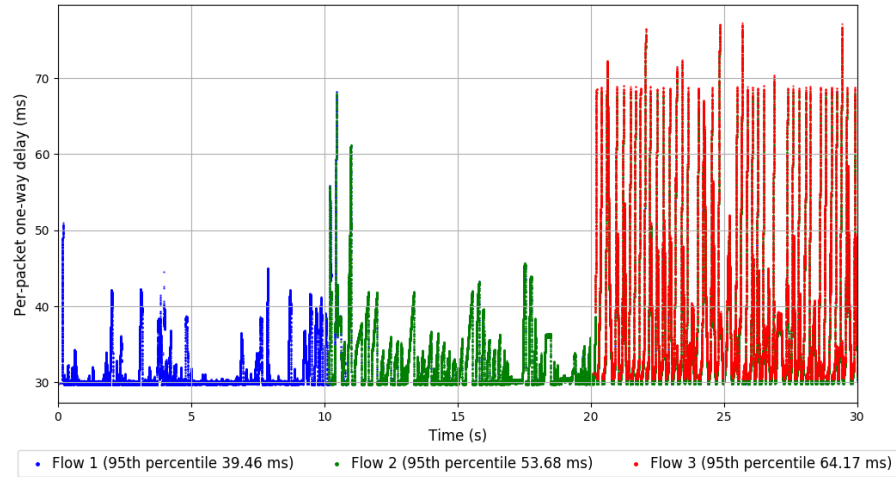
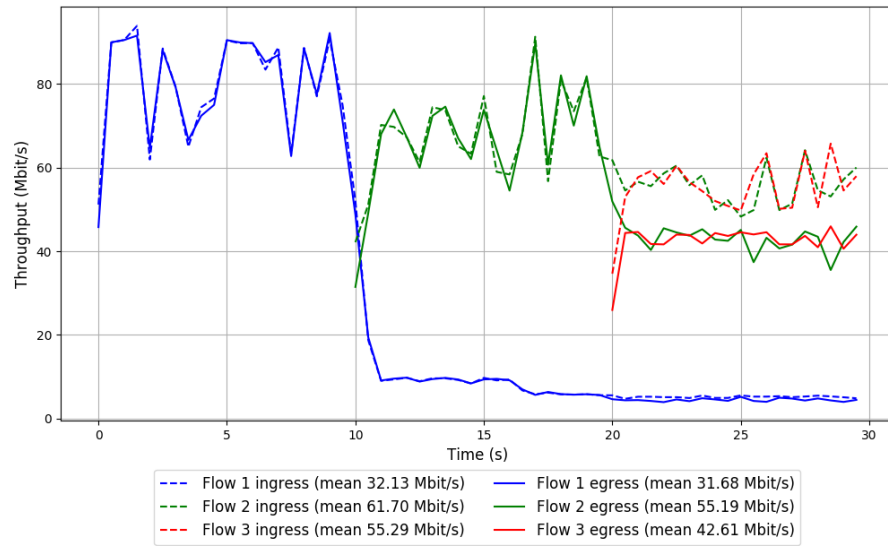


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-02-28 05:13:13
End at: 2018-02-28 05:13:43
Local clock offset: -0.121 ms
Remote clock offset: -4.686 ms

# Below is generated by plot.py at 2018-02-28 10:12:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.56 Mbit/s
95th percentile per-packet one-way delay: 53.094 ms
Loss rate: 9.83%
-- Flow 1:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 39.458 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 55.19 Mbit/s
95th percentile per-packet one-way delay: 53.684 ms
Loss rate: 10.58%
-- Flow 3:
Average throughput: 42.61 Mbit/s
95th percentile per-packet one-way delay: 64.173 ms
Loss rate: 22.93%
```

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

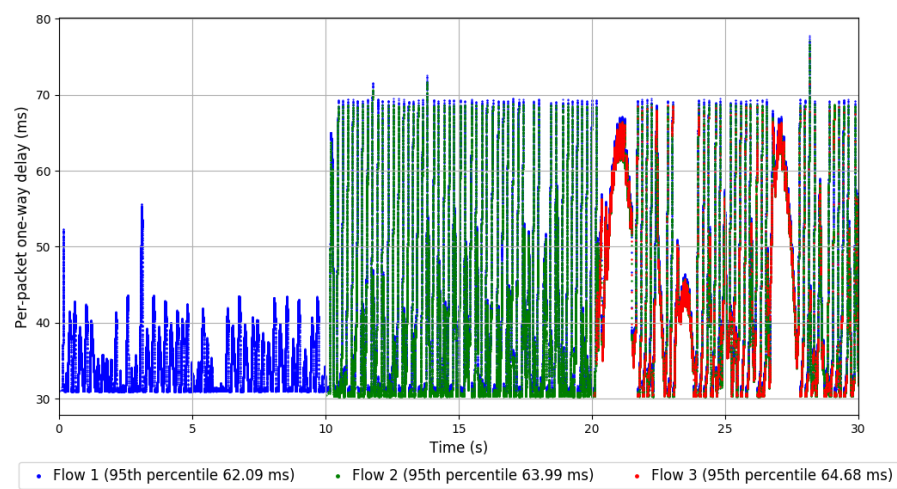
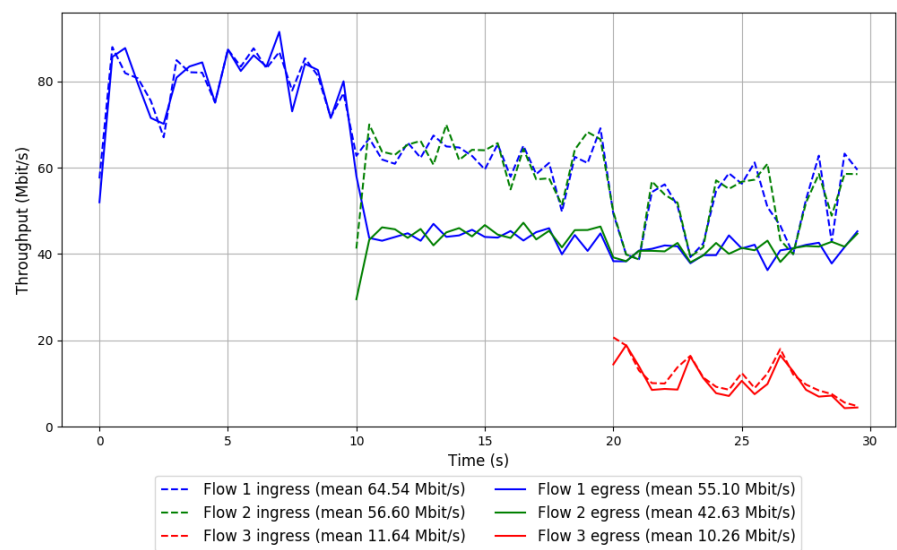


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-28 05:44:36
End at: 2018-02-28 05:45:06
Local clock offset: 4.144 ms
Remote clock offset: -4.596 ms

Below is generated by plot.py at 2018-02-28 10:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 63.133 ms
Loss rate: 18.09%
-- Flow 1:
Average throughput: 55.10 Mbit/s
95th percentile per-packet one-way delay: 62.086 ms
Loss rate: 14.62%
-- Flow 2:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 63.990 ms
Loss rate: 24.67%
-- Flow 3:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 64.679 ms
Loss rate: 11.88%

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

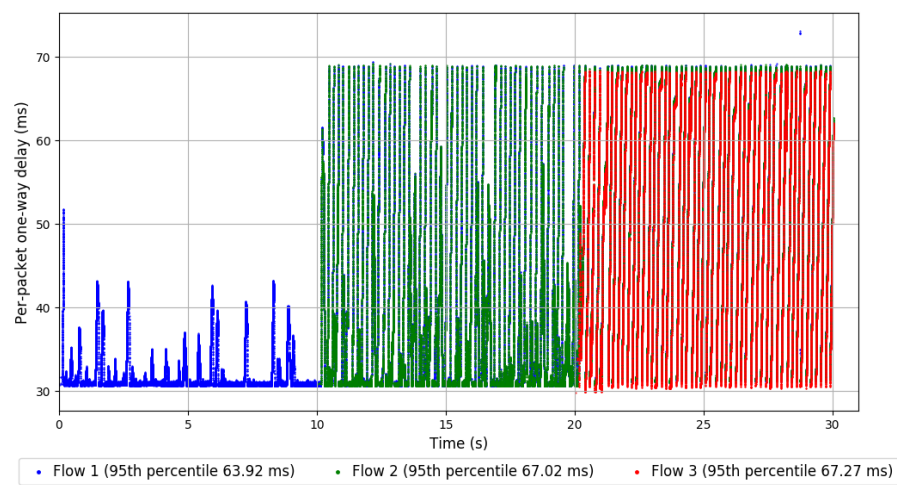
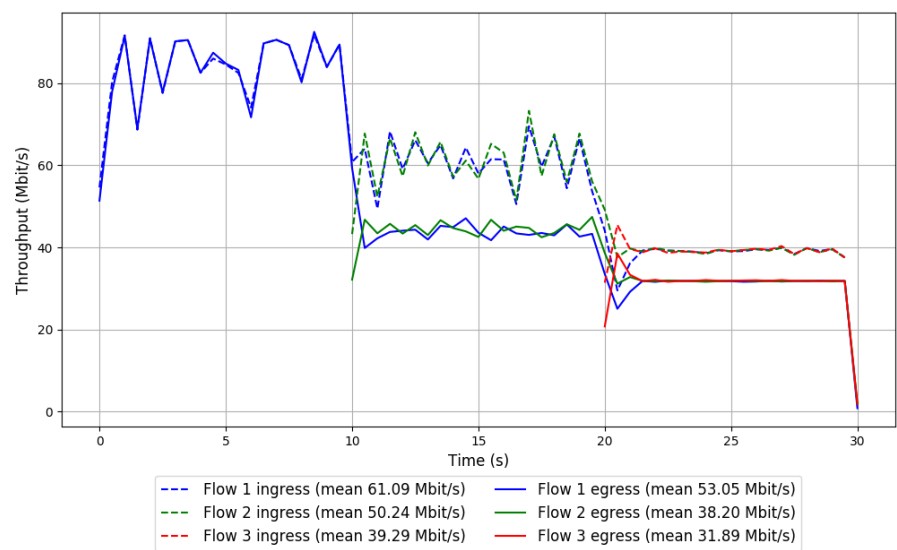


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-28 06:12:20
End at: 2018-02-28 06:12:50
Local clock offset: -6.343 ms
Remote clock offset: -3.764 ms

Below is generated by plot.py at 2018-02-28 10:13:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 66.136 ms
Loss rate: 17.12%
-- Flow 1:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 63.920 ms
Loss rate: 13.12%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 67.017 ms
Loss rate: 23.85%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 67.267 ms
Loss rate: 18.58%

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

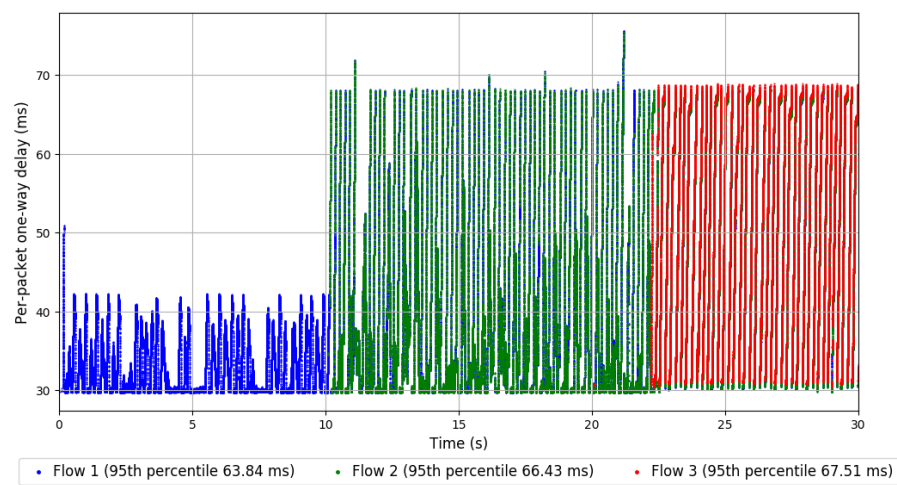
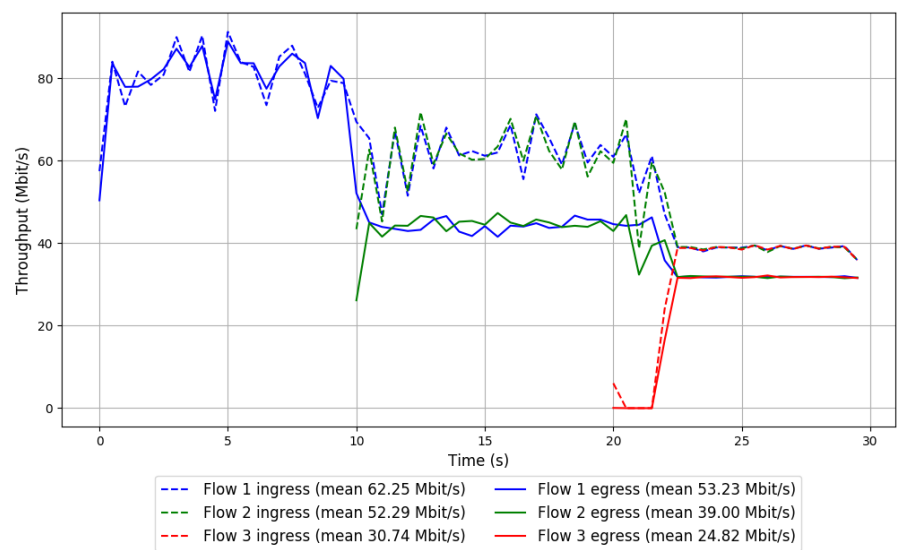


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-28 06:40:59
End at: 2018-02-28 06:41:29
Local clock offset: -4.596 ms
Remote clock offset: -4.259 ms

Below is generated by plot.py at 2018-02-28 10:13:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.43 Mbit/s
95th percentile per-packet one-way delay: 66.203 ms
Loss rate: 18.48%
-- Flow 1:
Average throughput: 53.23 Mbit/s
95th percentile per-packet one-way delay: 63.838 ms
Loss rate: 14.49%
-- Flow 2:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 66.430 ms
Loss rate: 25.39%
-- Flow 3:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 67.510 ms
Loss rate: 19.25%

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

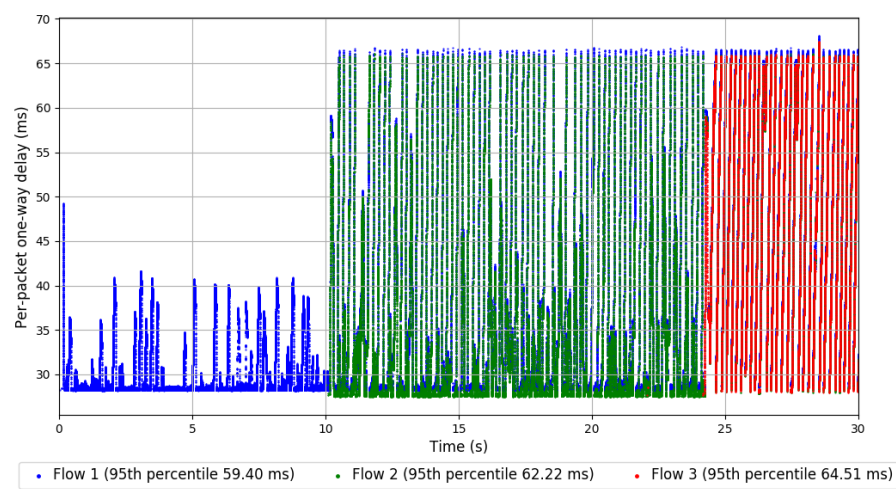
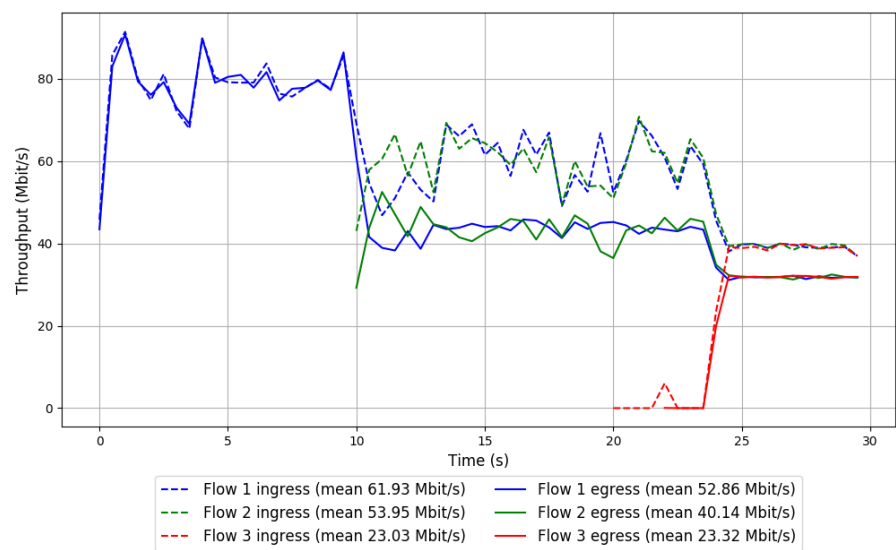


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-28 07:09:50
End at: 2018-02-28 07:10:20
Local clock offset: -4.39 ms
Remote clock offset: -6.306 ms

Below is generated by plot.py at 2018-02-28 10:13:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 61.594 ms
Loss rate: 18.68%
-- Flow 1:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 59.396 ms
Loss rate: 14.63%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 62.217 ms
Loss rate: 25.59%
-- Flow 3:
Average throughput: 23.32 Mbit/s
95th percentile per-packet one-way delay: 64.514 ms
Loss rate: 19.09%

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

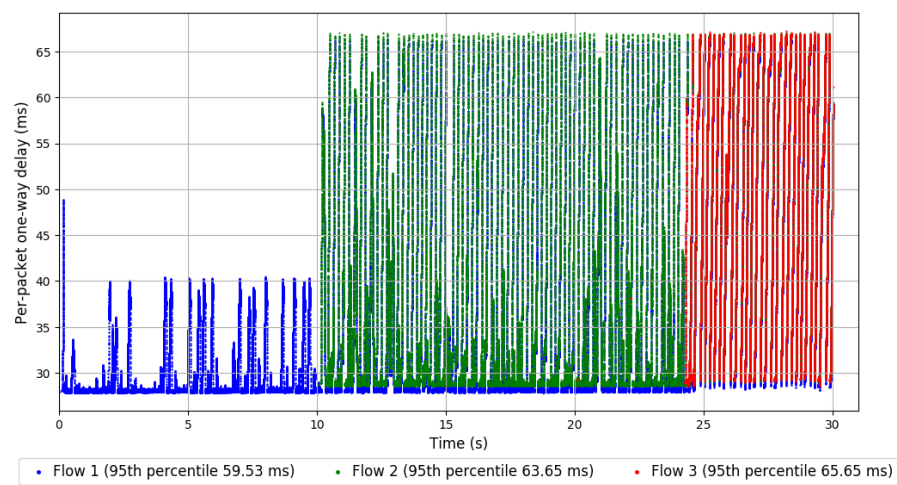
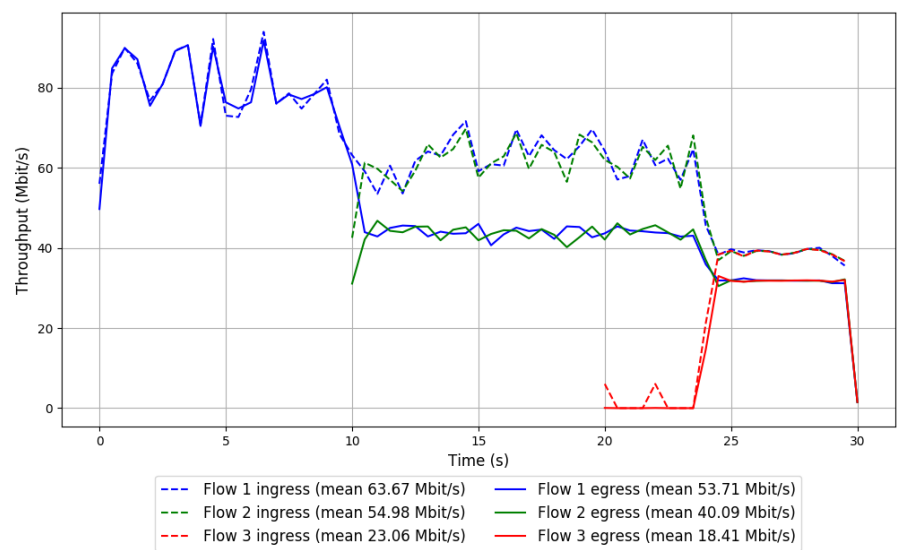


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-28 07:40:37
End at: 2018-02-28 07:41:07
Local clock offset: -0.456 ms
Remote clock offset: -2.758 ms

Below is generated by plot.py at 2018-02-28 10:13:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 62.775 ms
Loss rate: 19.74%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 59.534 ms
Loss rate: 15.55%
-- Flow 2:
Average throughput: 40.09 Mbit/s
95th percentile per-packet one-way delay: 63.650 ms
Loss rate: 26.97%
-- Flow 3:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 65.649 ms
Loss rate: 19.93%

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

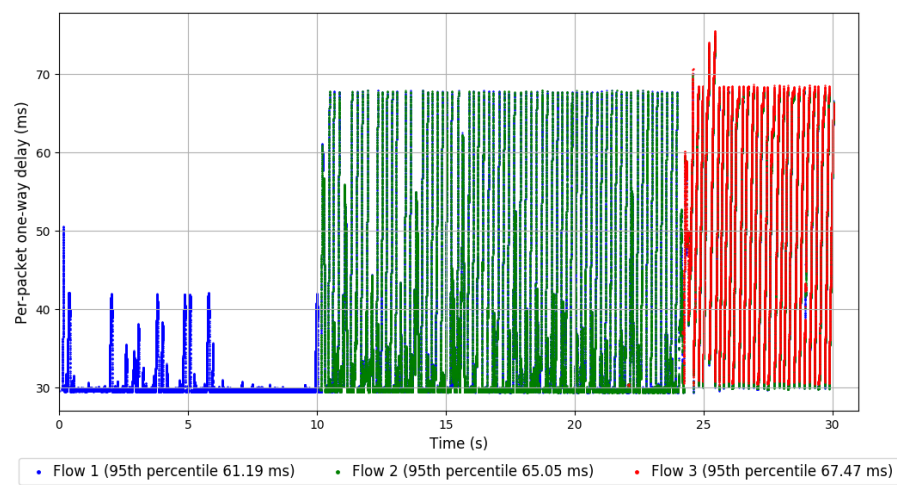
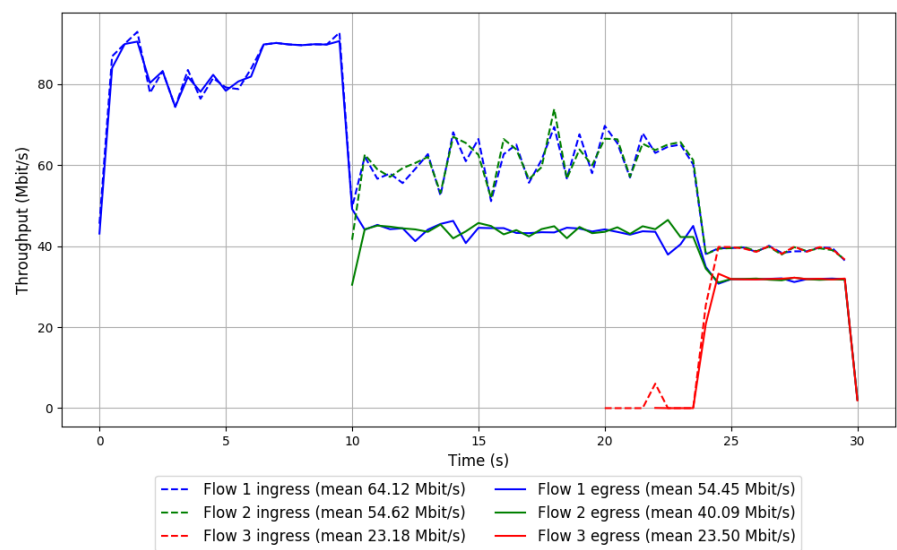


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-28 08:13:27
End at: 2018-02-28 08:13:57
Local clock offset: -2.823 ms
Remote clock offset: -3.521 ms

Below is generated by plot.py at 2018-02-28 10:13:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 64.396 ms
Loss rate: 19.10%
-- Flow 1:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 61.185 ms
Loss rate: 14.96%
-- Flow 2:
Average throughput: 40.09 Mbit/s
95th percentile per-packet one-way delay: 65.048 ms
Loss rate: 26.46%
-- Flow 3:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 67.474 ms
Loss rate: 18.72%

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

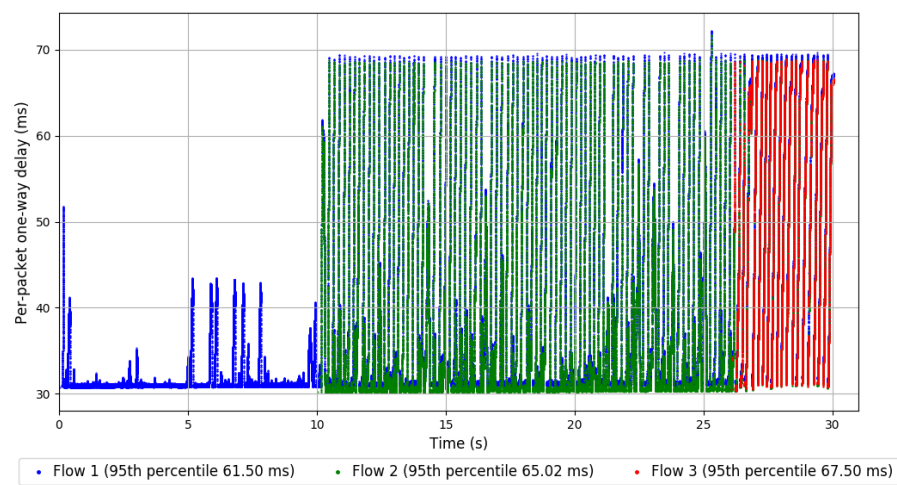
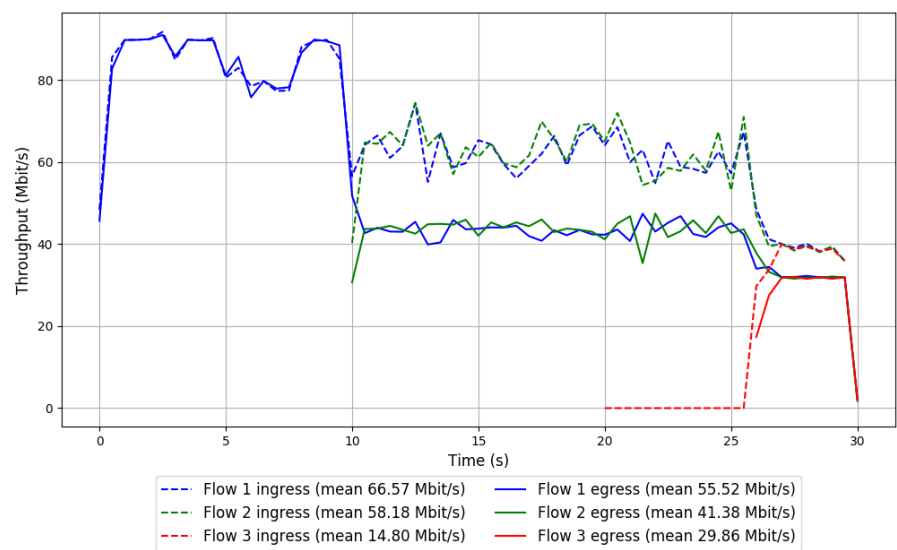


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-28 08:43:12
End at: 2018-02-28 08:43:42
Local clock offset: -4.12 ms
Remote clock offset: -4.482 ms

Below is generated by plot.py at 2018-02-28 10:15:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 64.435 ms
Loss rate: 20.94%
-- Flow 1:
Average throughput: 55.52 Mbit/s
95th percentile per-packet one-way delay: 61.500 ms
Loss rate: 16.50%
-- Flow 2:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: 65.018 ms
Loss rate: 28.77%
-- Flow 3:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 67.505 ms
Loss rate: 19.31%

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

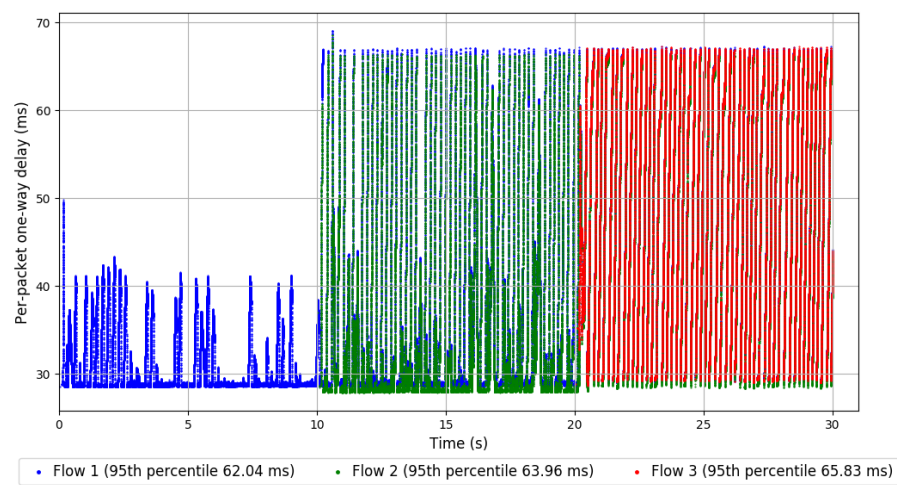
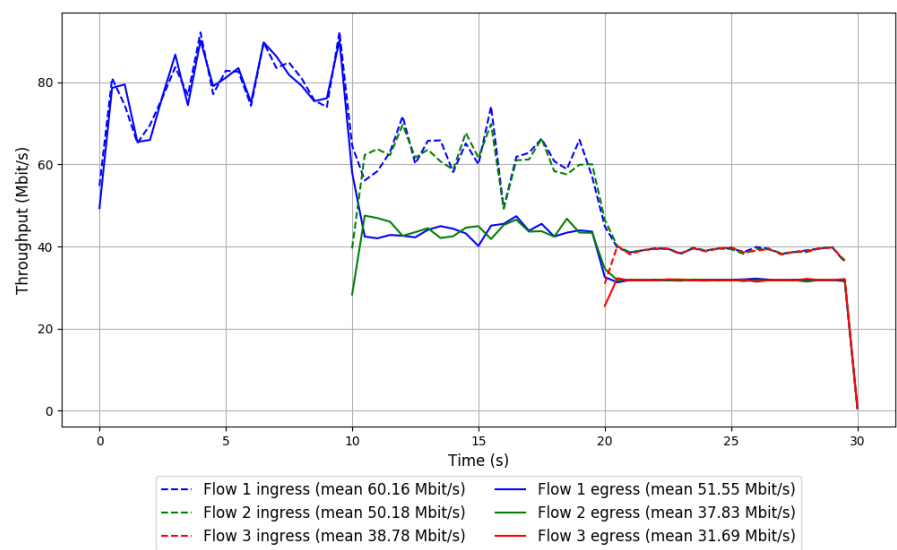


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-28 09:12:05
End at: 2018-02-28 09:12:35
Local clock offset: 3.036 ms
Remote clock offset: -7.866 ms

Below is generated by plot.py at 2018-02-28 10:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 63.851 ms
Loss rate: 17.98%
-- Flow 1:
Average throughput: 51.55 Mbit/s
95th percentile per-packet one-way delay: 62.038 ms
Loss rate: 14.27%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 63.960 ms
Loss rate: 24.59%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 65.830 ms
Loss rate: 18.17%

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

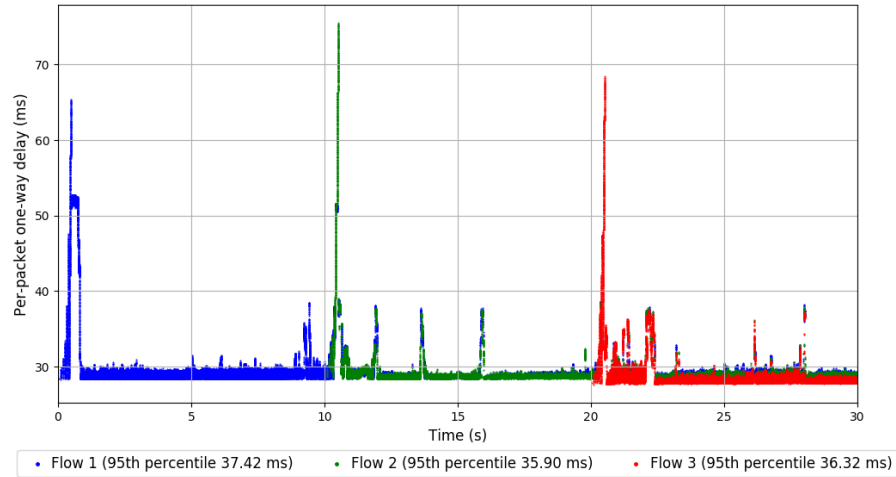
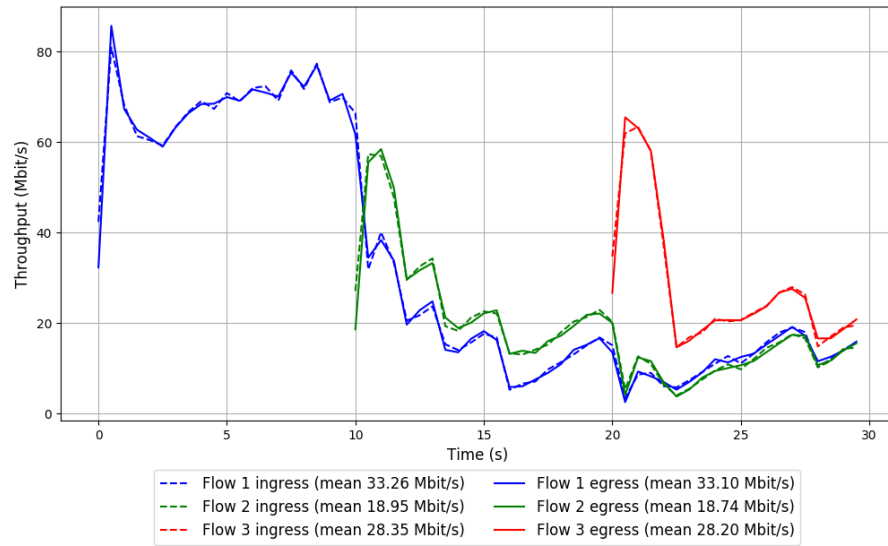


Run 1: Statistics of TCP Vegas

Start at: 2018-02-28 04:49:52
End at: 2018-02-28 04:50:22
Local clock offset: -2.751 ms
Remote clock offset: -7.108 ms

Below is generated by plot.py at 2018-02-28 10:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.92 Mbit/s
95th percentile per-packet one-way delay: 36.750 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 37.421 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 35.897 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 28.20 Mbit/s
95th percentile per-packet one-way delay: 36.320 ms
Loss rate: 0.51%

Run 1: Report of TCP Vegas — Data Link

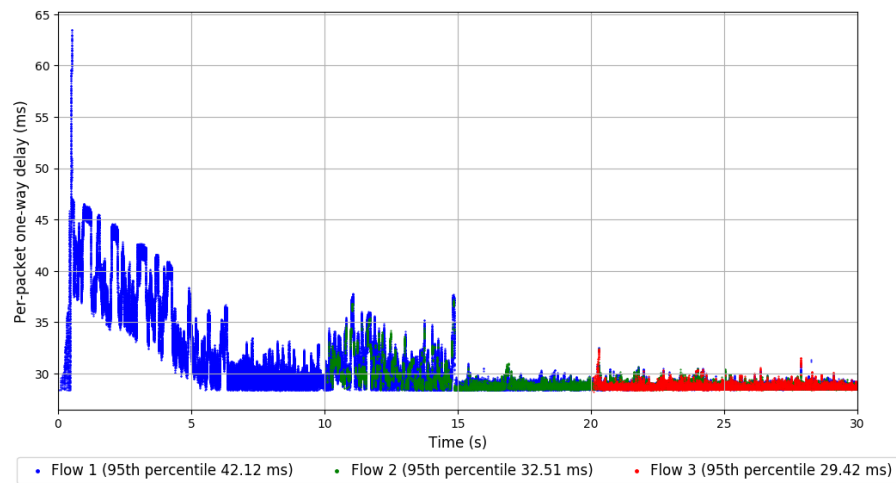
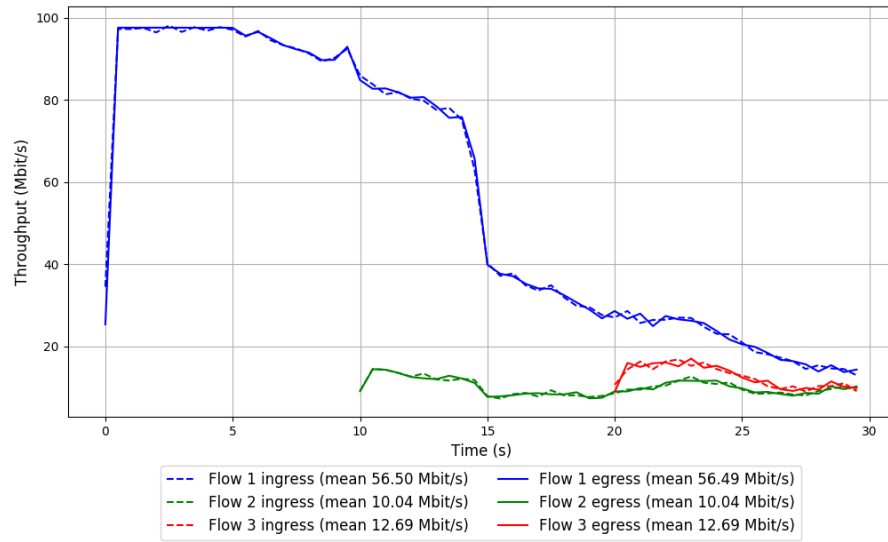


Run 2: Statistics of TCP Vegas

Start at: 2018-02-28 05:21:07
End at: 2018-02-28 05:21:37
Local clock offset: 1.647 ms
Remote clock offset: -7.444 ms

Below is generated by plot.py at 2018-02-28 10:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 41.648 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 42.115 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 32.506 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 29.422 ms
Loss rate: 0.06%

Run 2: Report of TCP Vegas — Data Link

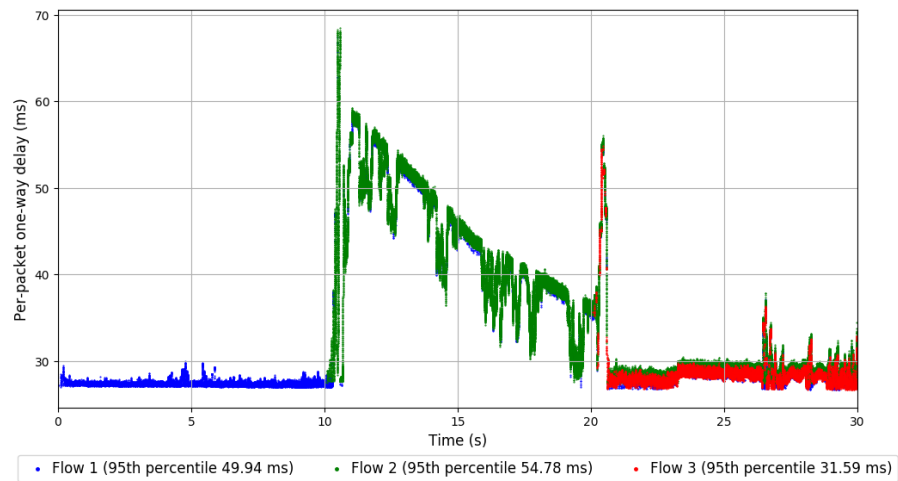
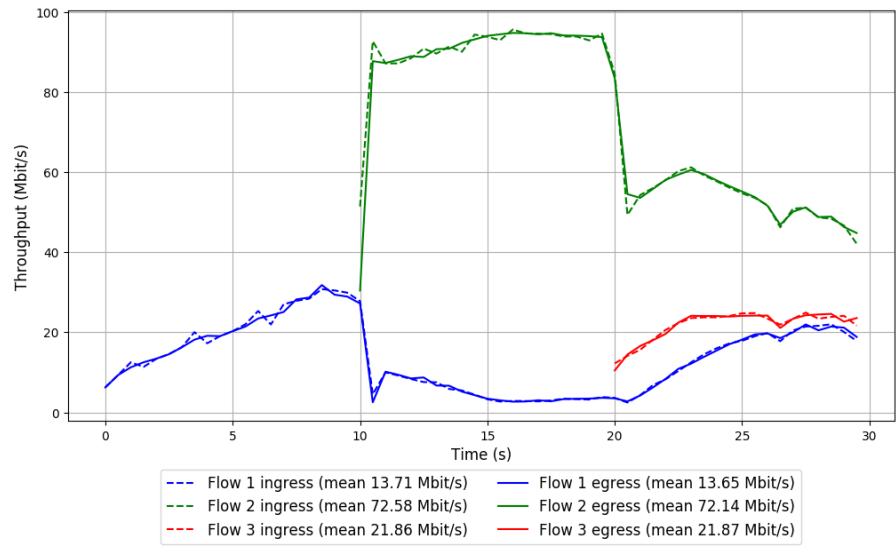


Run 3: Statistics of TCP Vegas

Start at: 2018-02-28 05:50:54
End at: 2018-02-28 05:51:24
Local clock offset: 2.097 ms
Remote clock offset: -6.903 ms

Below is generated by plot.py at 2018-02-28 10:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.94 Mbit/s
95th percentile per-packet one-way delay: 53.156 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 49.939 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 54.780 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 21.87 Mbit/s
95th percentile per-packet one-way delay: 31.595 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-02-28 06:19:08

End at: 2018-02-28 06:19:38

Local clock offset: -7.466 ms

Remote clock offset: -3.67 ms

Below is generated by plot.py at 2018-02-28 10:15:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.75 Mbit/s

95th percentile per-packet one-way delay: 63.810 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 14.64 Mbit/s

95th percentile per-packet one-way delay: 61.636 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 64.514 ms

Loss rate: 0.81%

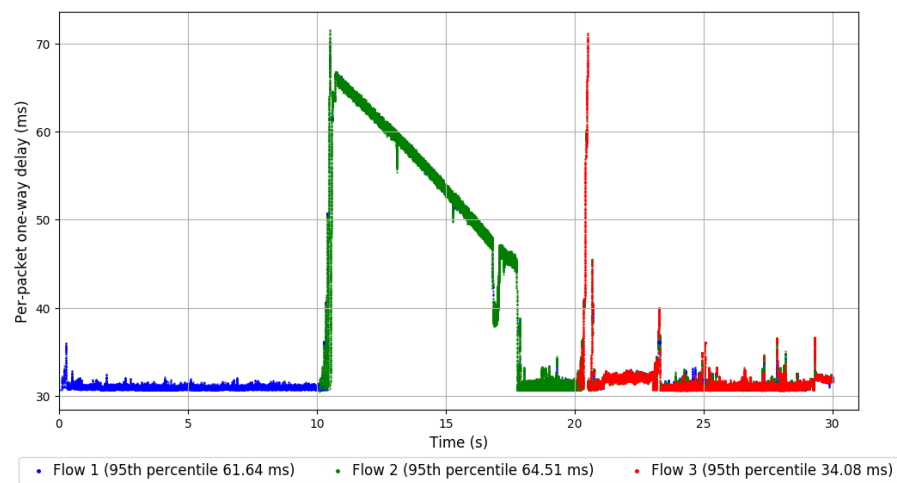
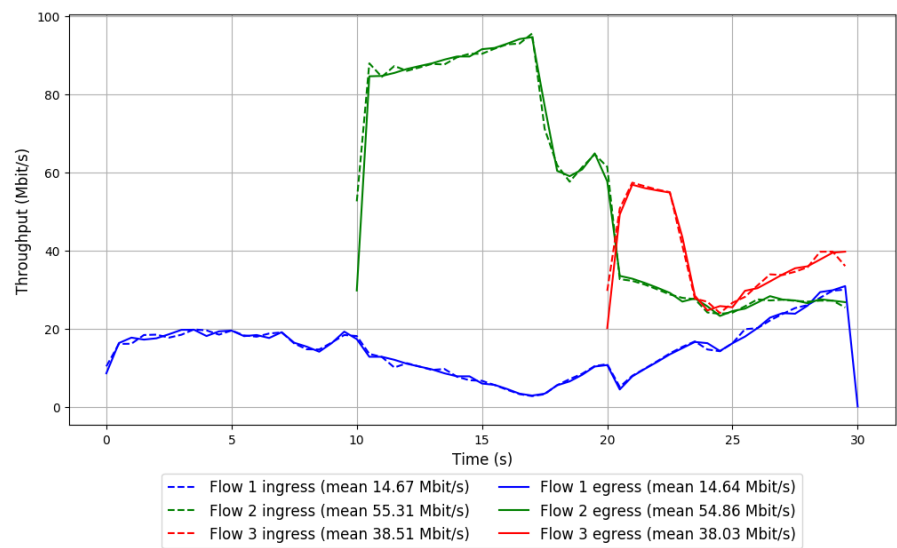
-- Flow 3:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 34.076 ms

Loss rate: 1.23%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-28 06:47:13

End at: 2018-02-28 06:47:43

Local clock offset: -4.608 ms

Remote clock offset: -6.61 ms

Below is generated by plot.py at 2018-02-28 10:15:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 48.781 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 49.781 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 50.63 Mbit/s

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

Loss rate: 0.00%

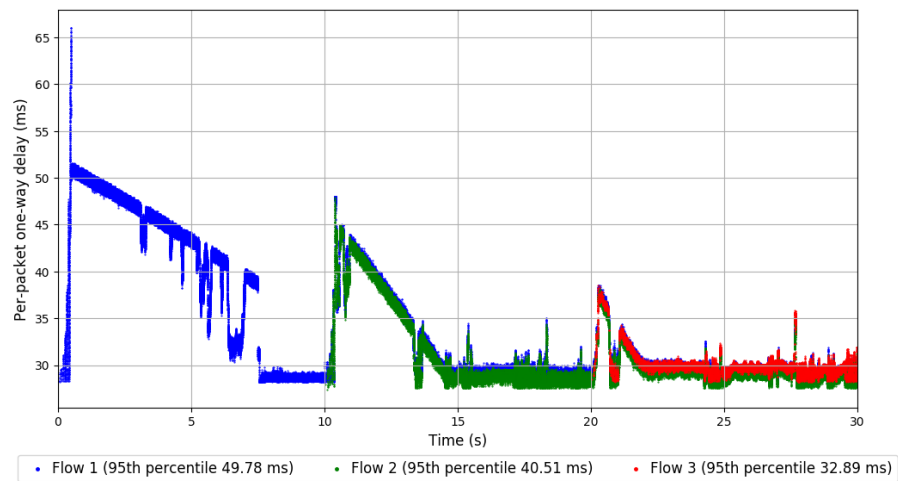
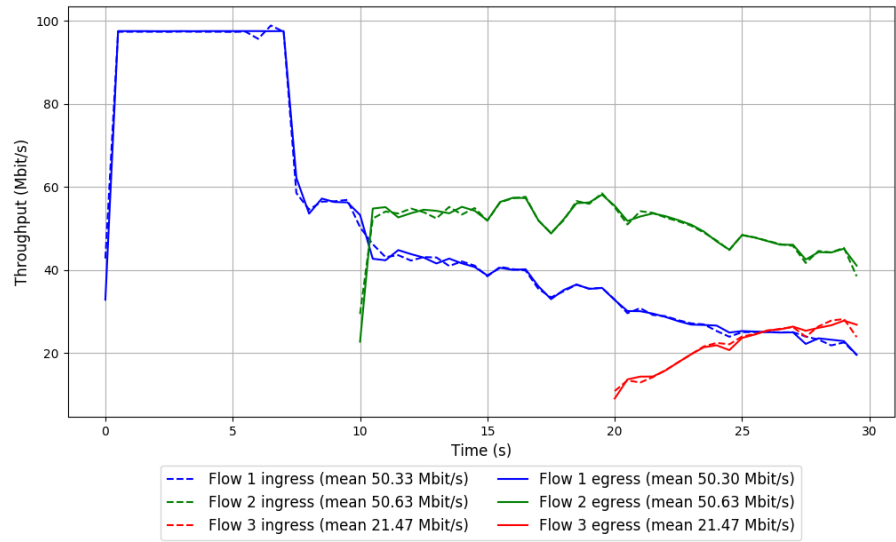
-- Flow 3:

Average throughput: 21.47 Mbit/s

95th percentile per-packet one-way delay: 32.894 ms

Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link

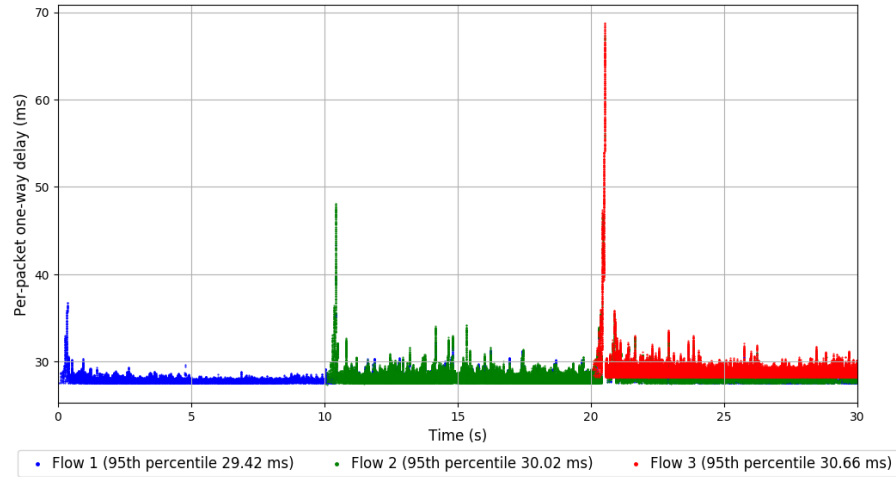
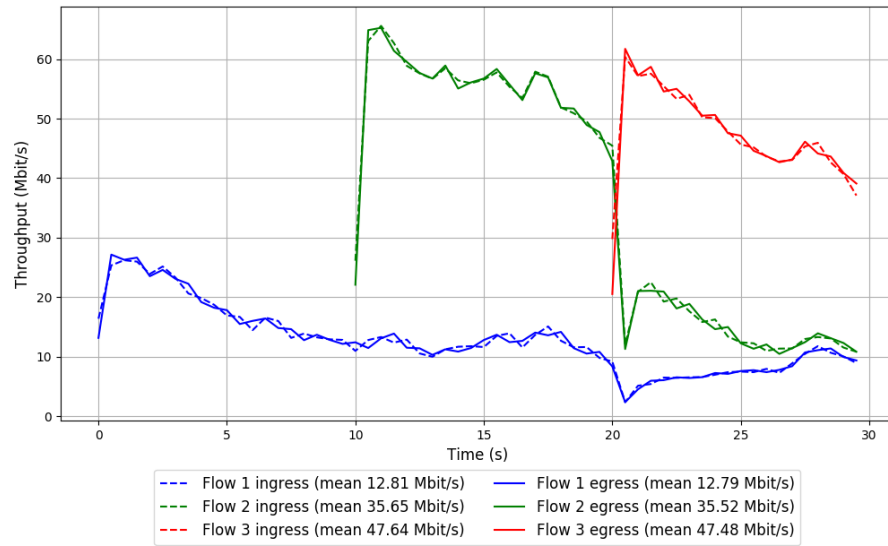


Run 6: Statistics of TCP Vegas

Start at: 2018-02-28 07:17:04
End at: 2018-02-28 07:17:34
Local clock offset: -4.46 ms
Remote clock offset: -6.236 ms

Below is generated by plot.py at 2018-02-28 10:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.17 Mbit/s
95th percentile per-packet one-way delay: 30.111 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 29.421 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 30.021 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 30.665 ms
Loss rate: 0.35%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-28 07:47:35

End at: 2018-02-28 07:48:05

Local clock offset: 1.024 ms

Remote clock offset: 0.671 ms

Below is generated by plot.py at 2018-02-28 10:15:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.72 Mbit/s

95th percentile per-packet one-way delay: 31.736 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.93 Mbit/s

95th percentile per-packet one-way delay: 31.842 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.19 Mbit/s

95th percentile per-packet one-way delay: 31.414 ms

Loss rate: 0.00%

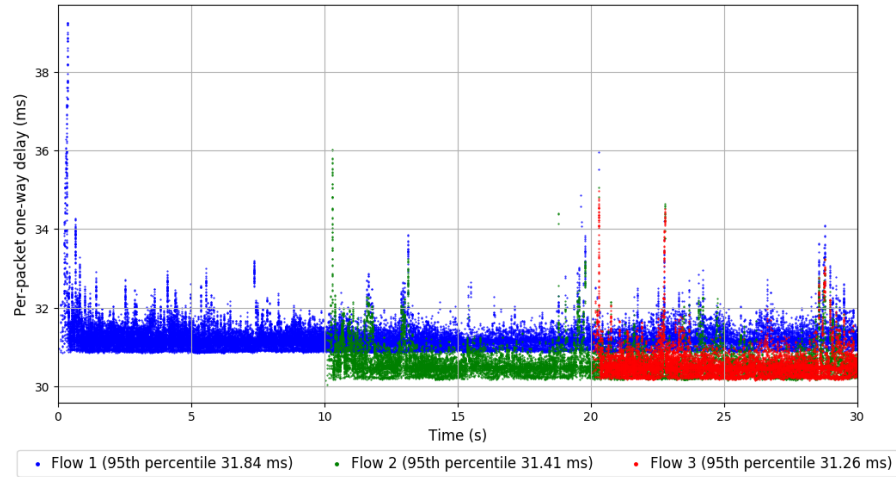
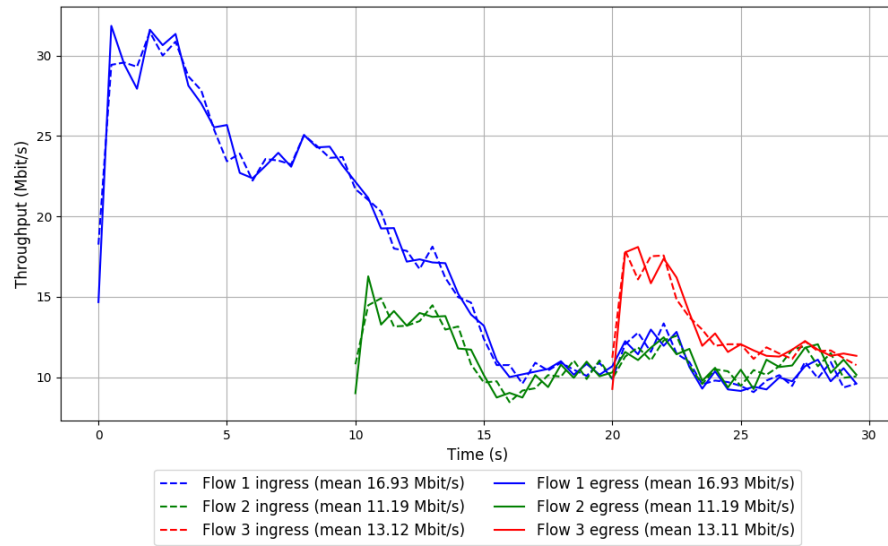
-- Flow 3:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 31.258 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

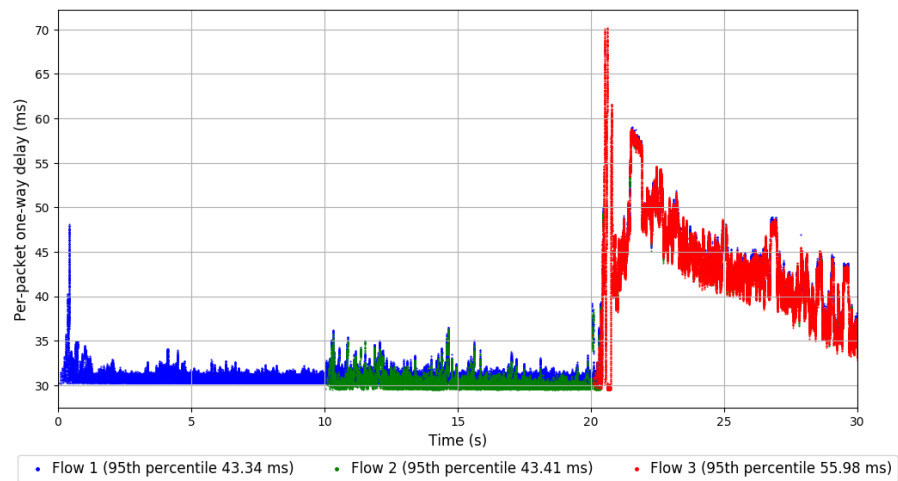
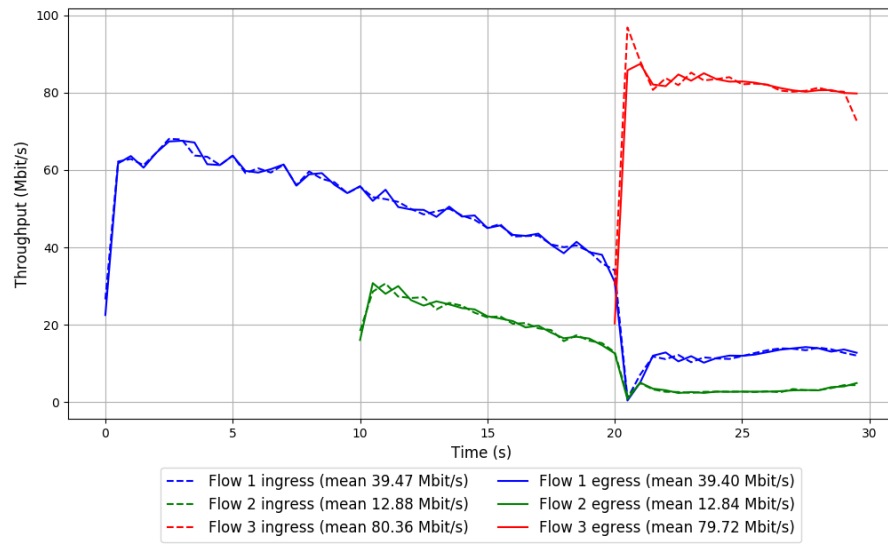


Run 8: Statistics of TCP Vegas

Start at: 2018-02-28 08:20:15
End at: 2018-02-28 08:20:45
Local clock offset: -5.138 ms
Remote clock offset: -4.301 ms

Below is generated by plot.py at 2018-02-28 10:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.40 Mbit/s
95th percentile per-packet one-way delay: 49.707 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 43.343 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 43.406 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 55.983 ms
Loss rate: 0.82%

Run 8: Report of TCP Vegas — Data Link

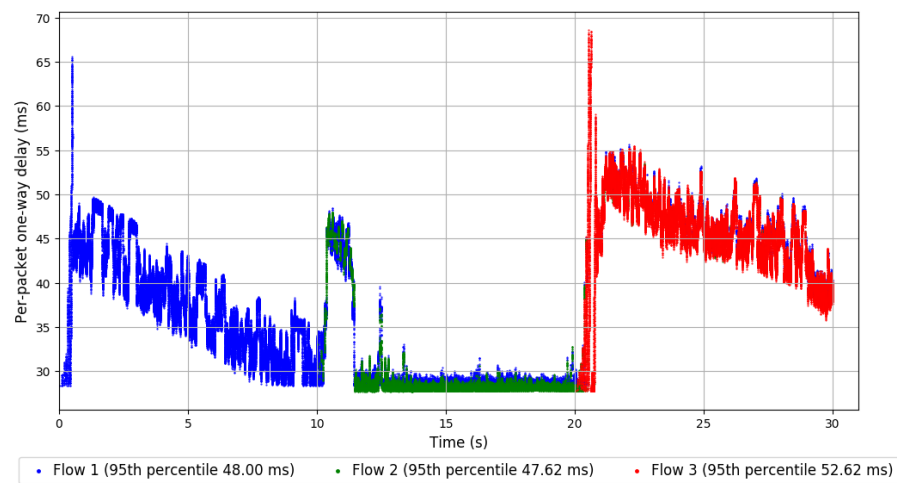
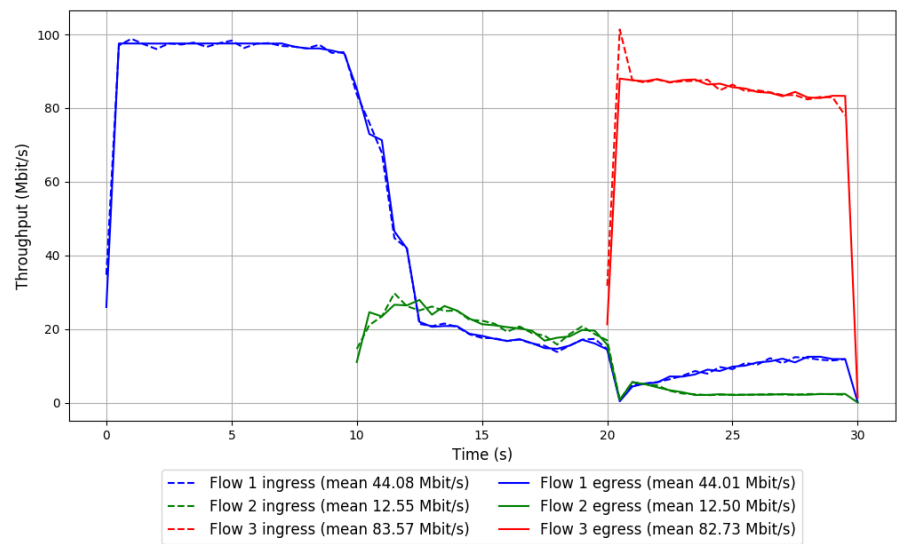


Run 9: Statistics of TCP Vegas

Start at: 2018-02-28 08:49:53
End at: 2018-02-28 08:50:23
Local clock offset: -0.44 ms
Remote clock offset: -6.599 ms

Below is generated by plot.py at 2018-02-28 10:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 50.865 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 48.002 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 47.616 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 52.615 ms
Loss rate: 0.88%

Run 9: Report of TCP Vegas — Data Link

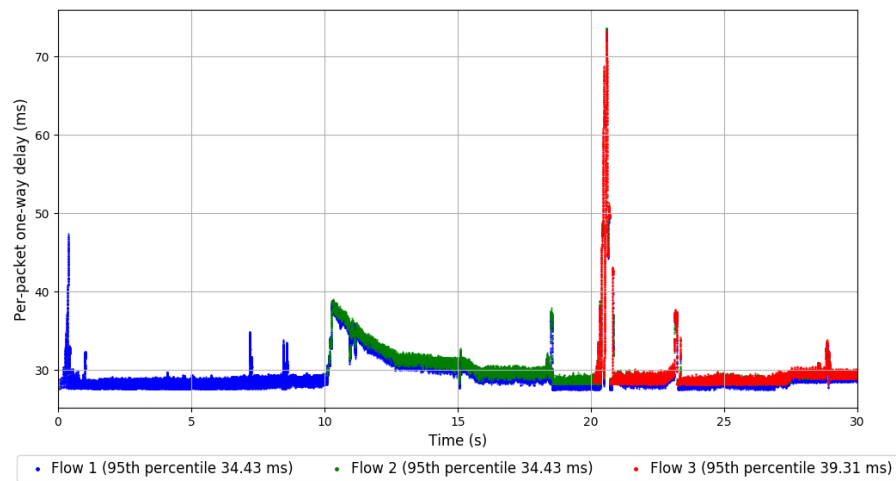
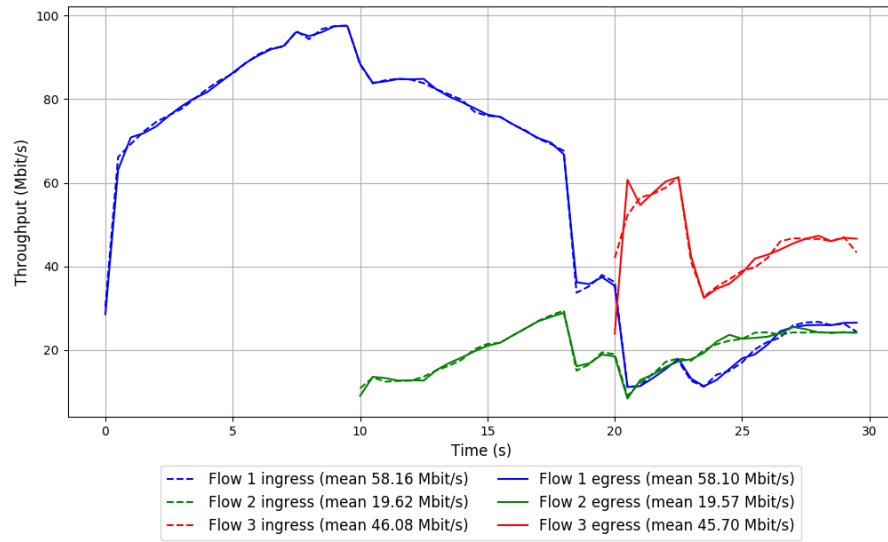


Run 10: Statistics of TCP Vegas

Start at: 2018-02-28 09:18:22
End at: 2018-02-28 09:18:52
Local clock offset: 4.694 ms
Remote clock offset: -3.418 ms

Below is generated by plot.py at 2018-02-28 10:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 34.747 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 34.430 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 34.434 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 39.315 ms
Loss rate: 0.80%

Run 10: Report of TCP Vegas — Data Link

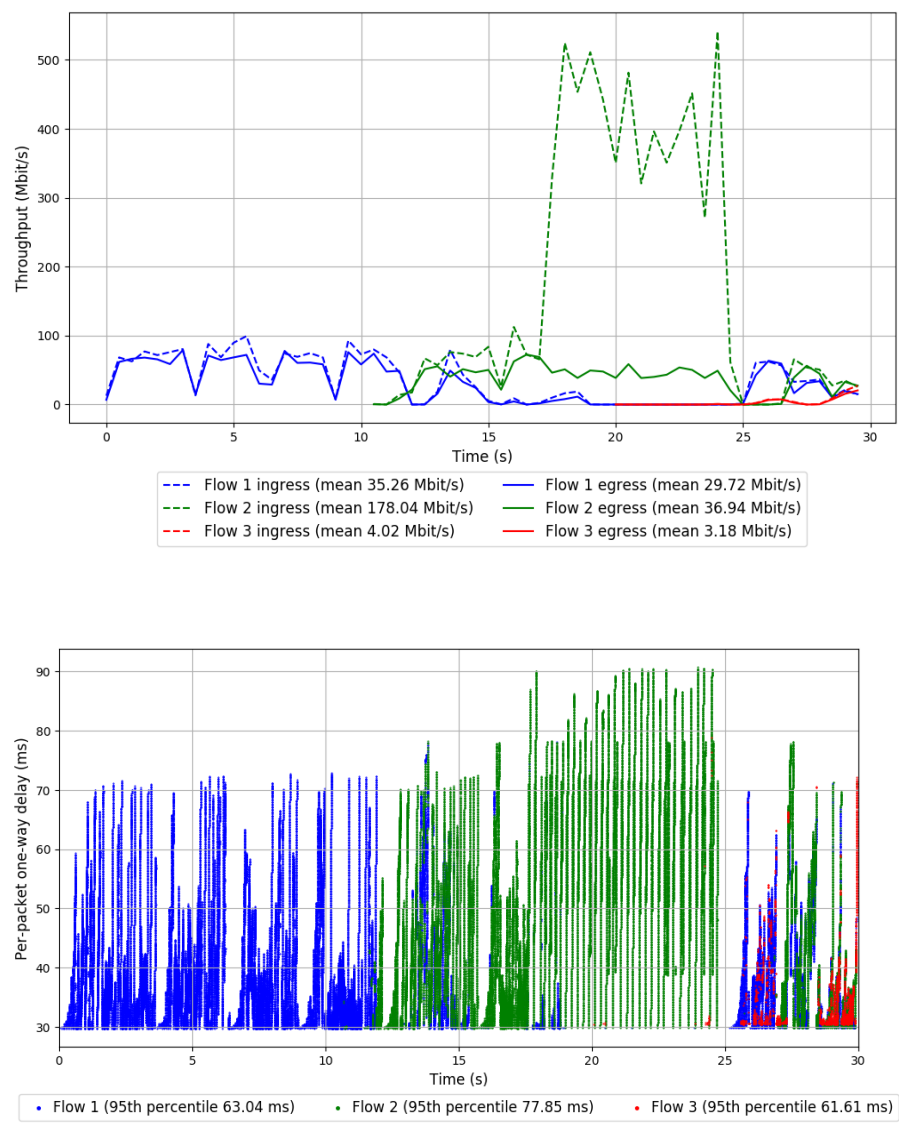


Run 1: Statistics of Verus

Start at: 2018-02-28 05:11:20
End at: 2018-02-28 05:11:50
Local clock offset: -0.226 ms
Remote clock offset: -4.443 ms

Below is generated by plot.py at 2018-02-28 10:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 71.040 ms
Loss rate: 63.95%
-- Flow 1:
Average throughput: 29.72 Mbit/s
95th percentile per-packet one-way delay: 63.043 ms
Loss rate: 15.72%
-- Flow 2:
Average throughput: 36.94 Mbit/s
95th percentile per-packet one-way delay: 77.846 ms
Loss rate: 79.23%
-- Flow 3:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 61.607 ms
Loss rate: 20.89%

Run 1: Report of Verus — Data Link

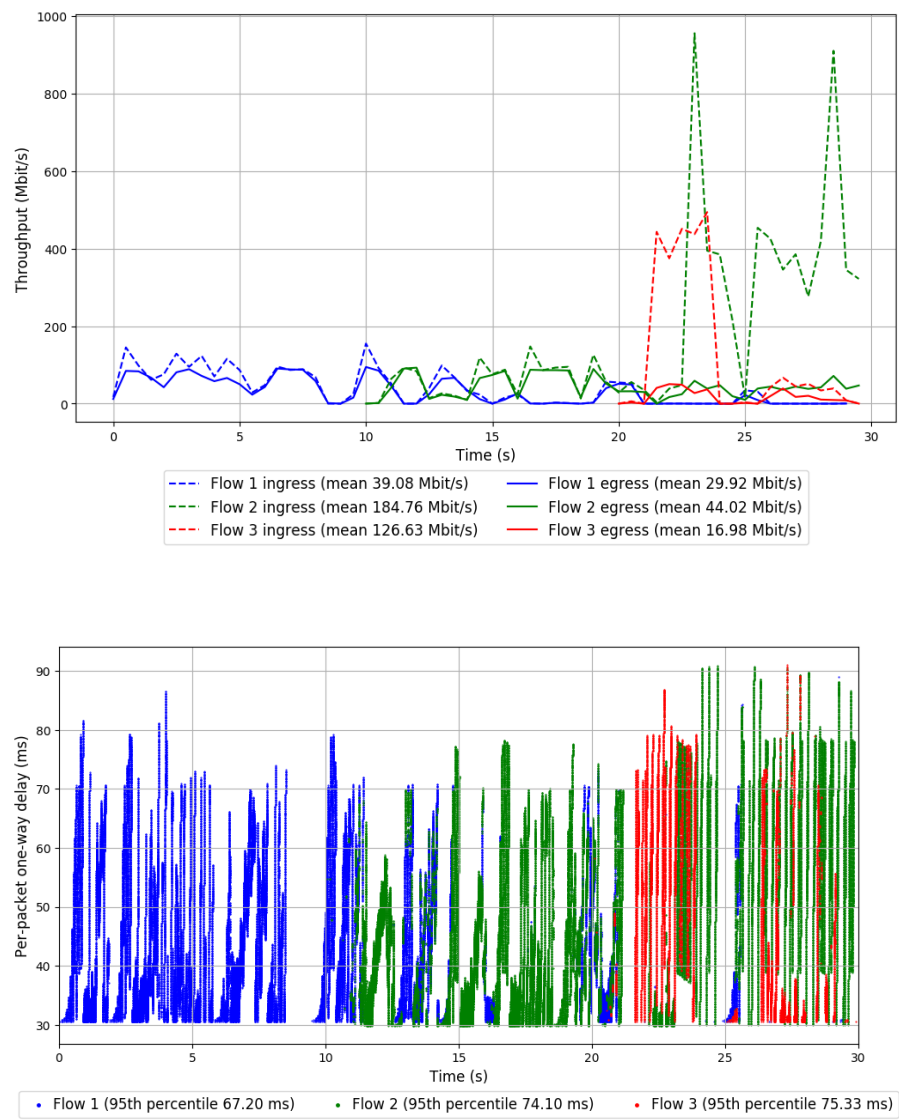


Run 2: Statistics of Verus

Start at: 2018-02-28 05:43:04
End at: 2018-02-28 05:43:34
Local clock offset: 3.958 ms
Remote clock offset: -5.123 ms

Below is generated by plot.py at 2018-02-28 10:15:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 71.359 ms
Loss rate: 68.32%
-- Flow 1:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 67.204 ms
Loss rate: 23.58%
-- Flow 2:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 74.099 ms
Loss rate: 76.16%
-- Flow 3:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 75.330 ms
Loss rate: 86.63%

Run 2: Report of Verus — Data Link

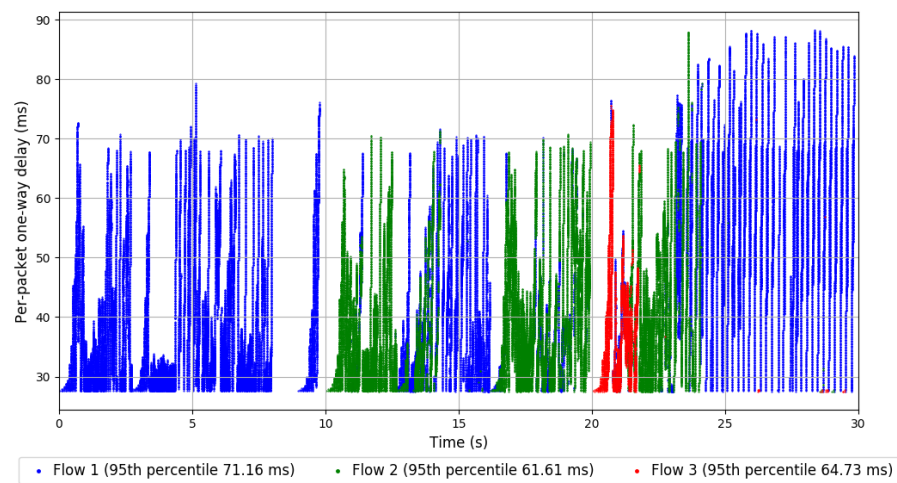
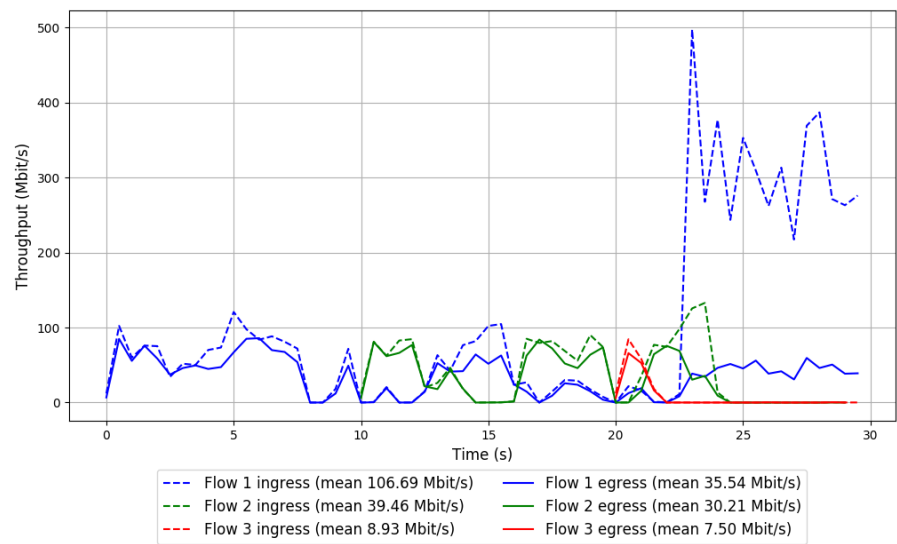


Run 3: Statistics of Verus

Start at: 2018-02-28 06:10:34
End at: 2018-02-28 06:11:04
Local clock offset: -6.154 ms
Remote clock offset: -6.336 ms

Below is generated by plot.py at 2018-02-28 10:15:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 67.832 ms
Loss rate: 57.68%
-- Flow 1:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 71.159 ms
Loss rate: 66.66%
-- Flow 2:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 61.610 ms
Loss rate: 24.73%
-- Flow 3:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 64.730 ms
Loss rate: 18.77%

Run 3: Report of Verus — Data Link

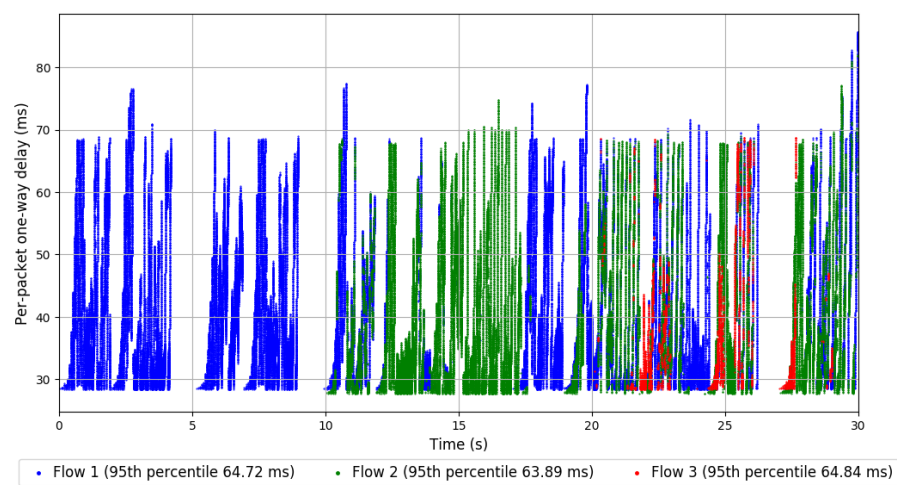
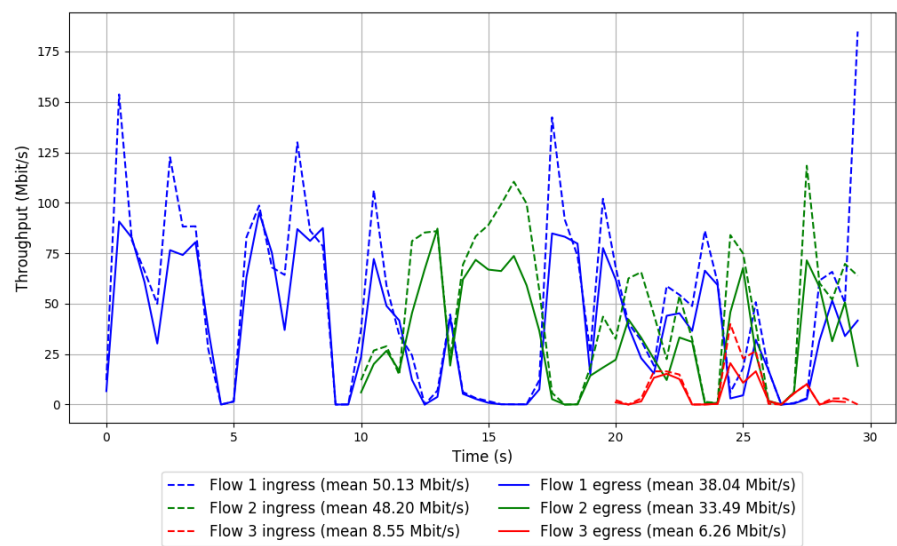


Run 4: Statistics of Verus

Start at: 2018-02-28 06:39:24
End at: 2018-02-28 06:39:54
Local clock offset: -4.623 ms
Remote clock offset: -6.185 ms

Below is generated by plot.py at 2018-02-28 10:16:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.21 Mbit/s
95th percentile per-packet one-way delay: 64.414 ms
Loss rate: 26.68%
-- Flow 1:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 64.719 ms
Loss rate: 23.99%
-- Flow 2:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 63.893 ms
Loss rate: 30.43%
-- Flow 3:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 64.841 ms
Loss rate: 31.90%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-28 07:08:08

End at: 2018-02-28 07:08:38

Local clock offset: -4.369 ms

Remote clock offset: -4.19 ms

Below is generated by plot.py at 2018-02-28 10:16:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.58 Mbit/s

95th percentile per-packet one-way delay: 67.095 ms

Loss rate: 40.25%

-- Flow 1:

Average throughput: 27.29 Mbit/s

95th percentile per-packet one-way delay: 66.442 ms

Loss rate: 35.68%

-- Flow 2:

Average throughput: 22.11 Mbit/s

95th percentile per-packet one-way delay: 65.747 ms

Loss rate: 26.38%

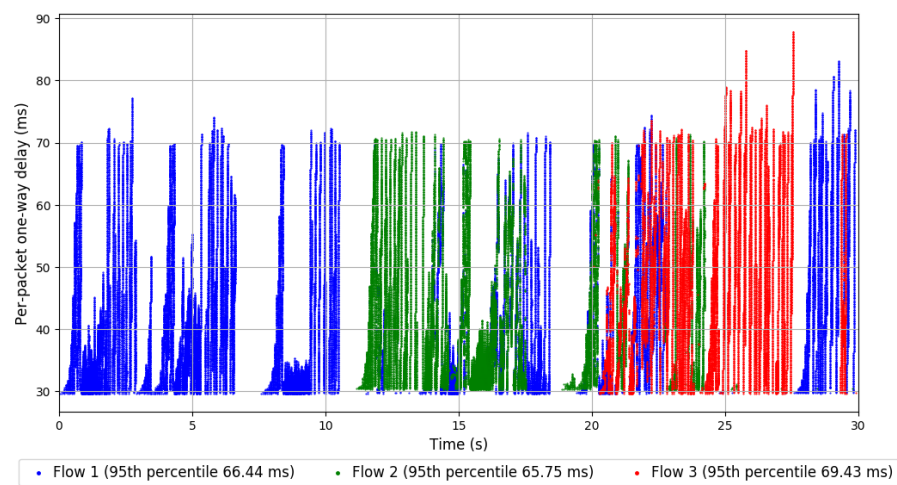
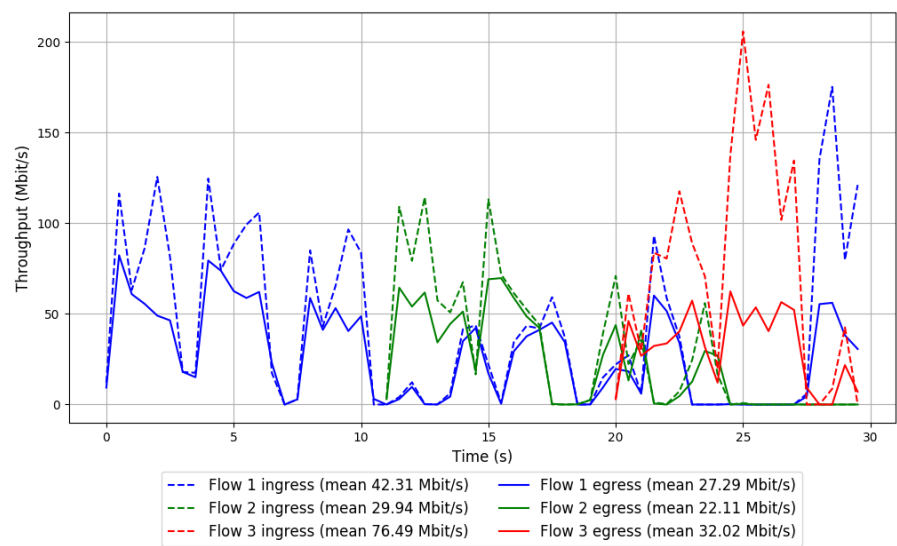
-- Flow 3:

Average throughput: 32.02 Mbit/s

95th percentile per-packet one-way delay: 69.427 ms

Loss rate: 58.22%

Run 5: Report of Verus — Data Link

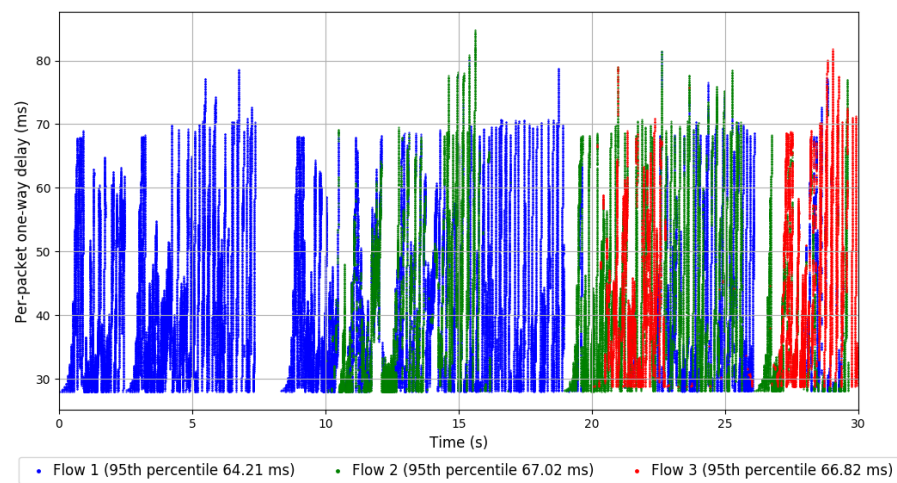
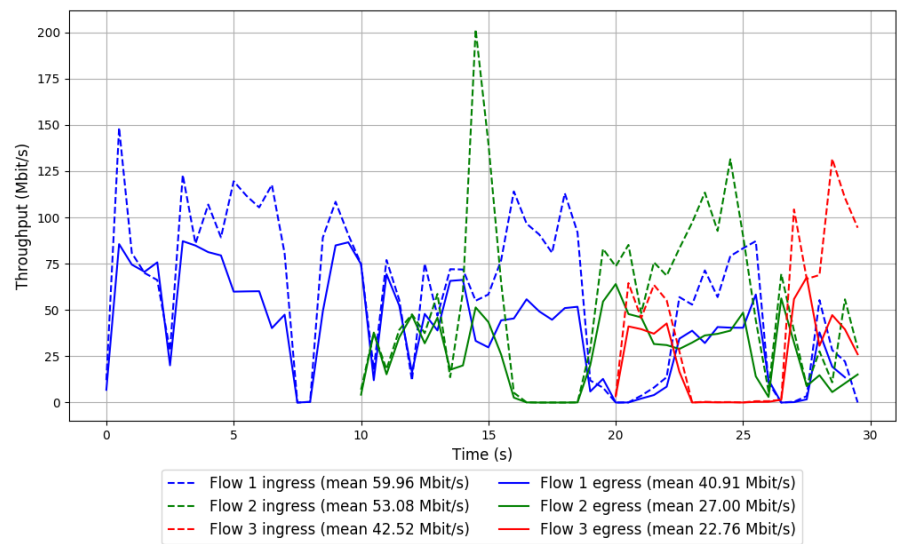


Run 6: Statistics of Verus

Start at: 2018-02-28 07:38:56
End at: 2018-02-28 07:39:26
Local clock offset: -0.983 ms
Remote clock offset: -2.979 ms

Below is generated by plot.py at 2018-02-28 10:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.43 Mbit/s
95th percentile per-packet one-way delay: 65.409 ms
Loss rate: 39.79%
-- Flow 1:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 32.52%
-- Flow 2:
Average throughput: 27.00 Mbit/s
95th percentile per-packet one-way delay: 67.016 ms
Loss rate: 49.52%
-- Flow 3:
Average throughput: 22.76 Mbit/s
95th percentile per-packet one-way delay: 66.821 ms
Loss rate: 46.42%

Run 6: Report of Verus — Data Link

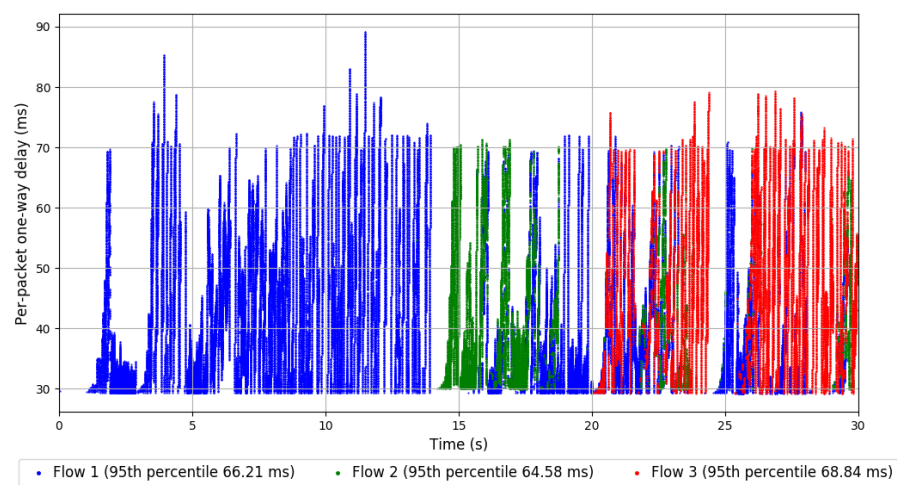
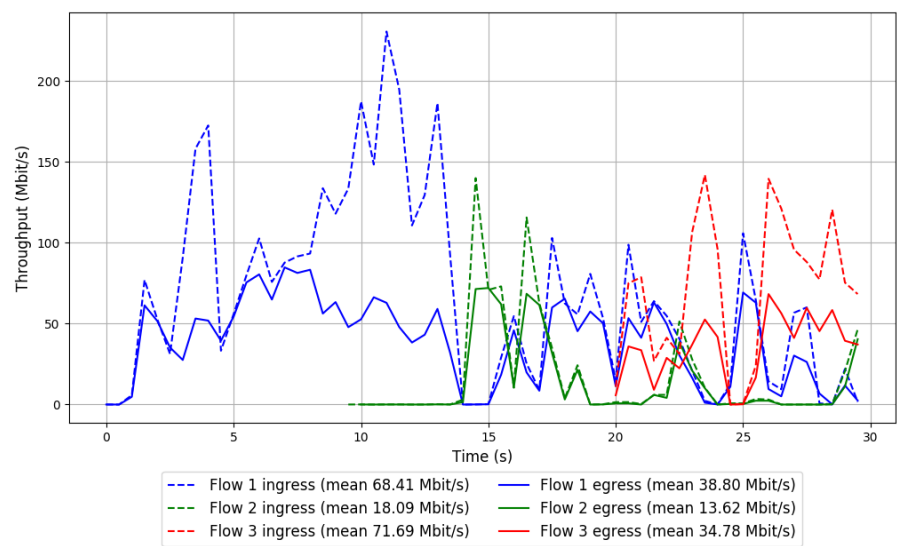


Run 7: Statistics of Verus

Start at: 2018-02-28 08:11:36
End at: 2018-02-28 08:12:06
Local clock offset: -2.053 ms
Remote clock offset: -3.384 ms

Below is generated by plot.py at 2018-02-28 10:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 66.828 ms
Loss rate: 42.96%
-- Flow 1:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 66.210 ms
Loss rate: 43.27%
-- Flow 2:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 64.581 ms
Loss rate: 24.60%
-- Flow 3:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 68.838 ms
Loss rate: 51.40%

Run 7: Report of Verus — Data Link

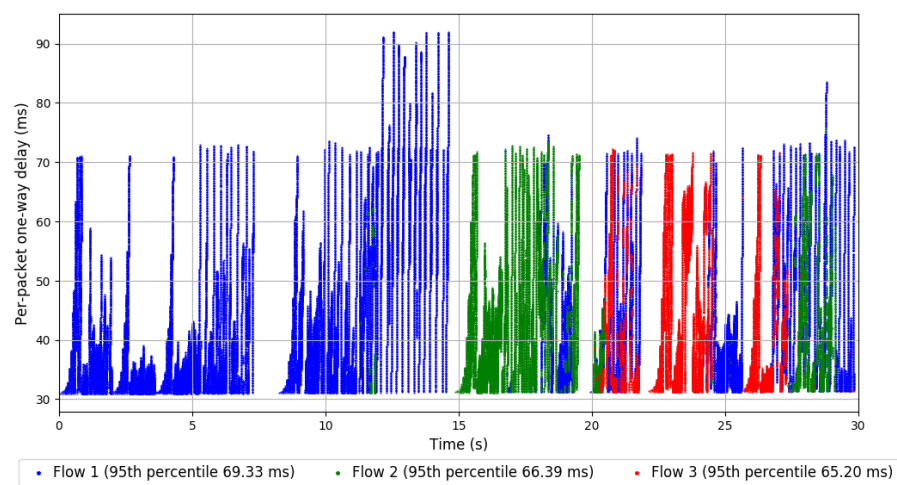
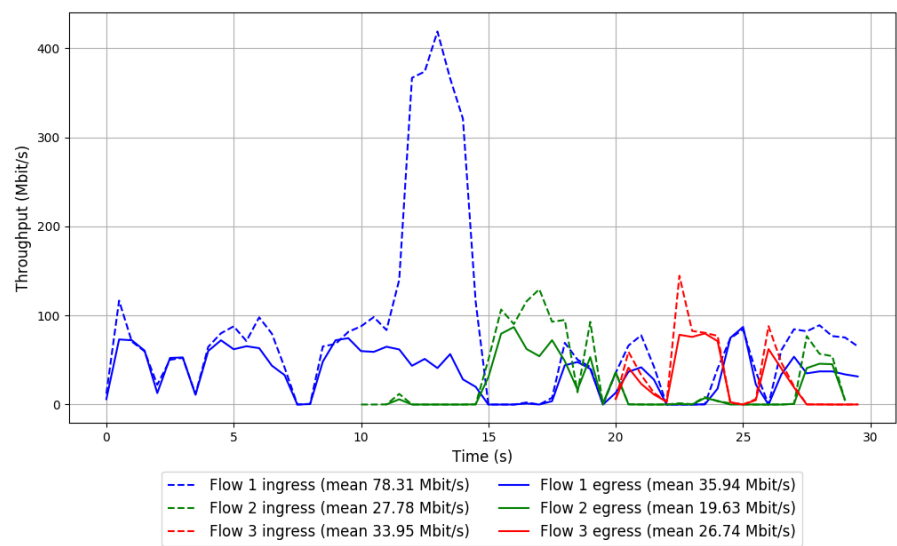


Run 8: Statistics of Verus

Start at: 2018-02-28 08:41:38
End at: 2018-02-28 08:42:08
Local clock offset: -5.444 ms
Remote clock offset: -4.403 ms

Below is generated by plot.py at 2018-02-28 10:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 68.052 ms
Loss rate: 47.29%
-- Flow 1:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 69.334 ms
Loss rate: 54.10%
-- Flow 2:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 66.386 ms
Loss rate: 33.10%
-- Flow 3:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 65.199 ms
Loss rate: 21.70%

Run 8: Report of Verus — Data Link

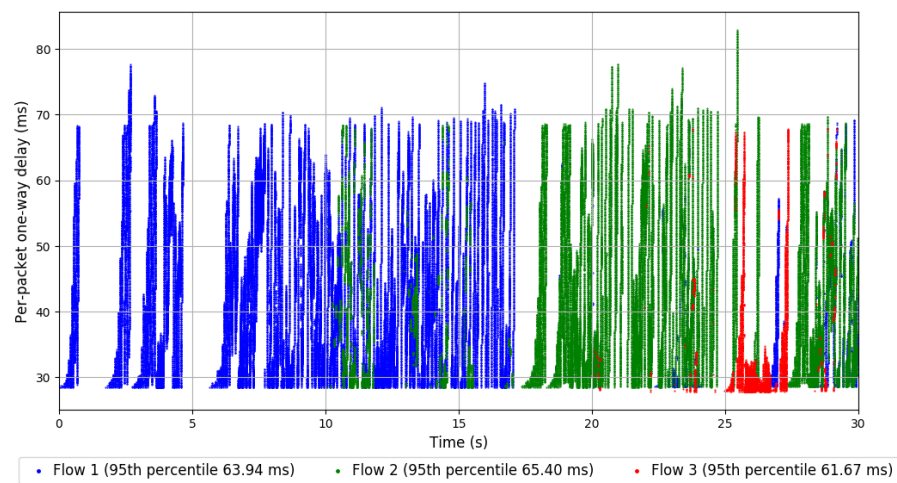
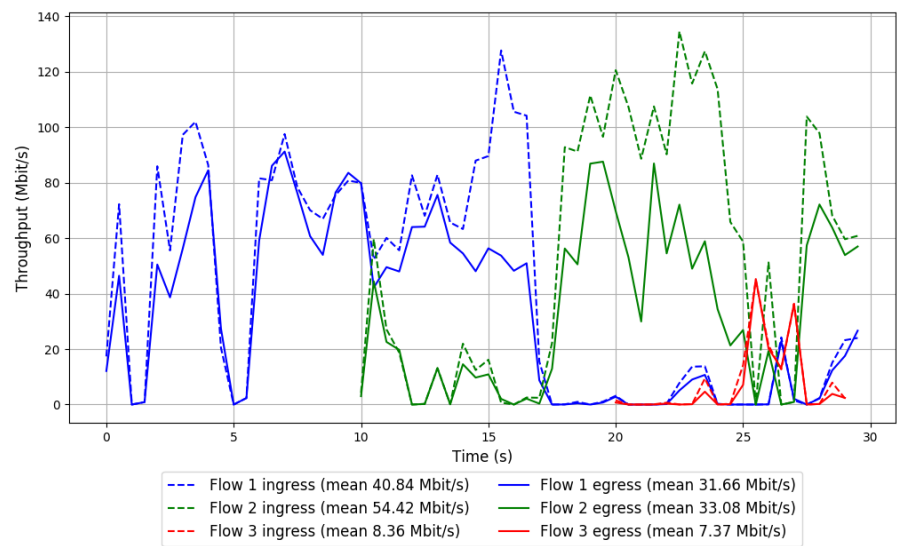


Run 9: Statistics of Verus

Start at: 2018-02-28 09:10:37
End at: 2018-02-28 09:11:07
Local clock offset: 3.047 ms
Remote clock offset: -7.568 ms

Below is generated by plot.py at 2018-02-28 10:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 64.526 ms
Loss rate: 29.69%
-- Flow 1:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 63.941 ms
Loss rate: 22.43%
-- Flow 2:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 65.398 ms
Loss rate: 39.15%
-- Flow 3:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 61.669 ms
Loss rate: 11.61%

Run 9: Report of Verus — Data Link

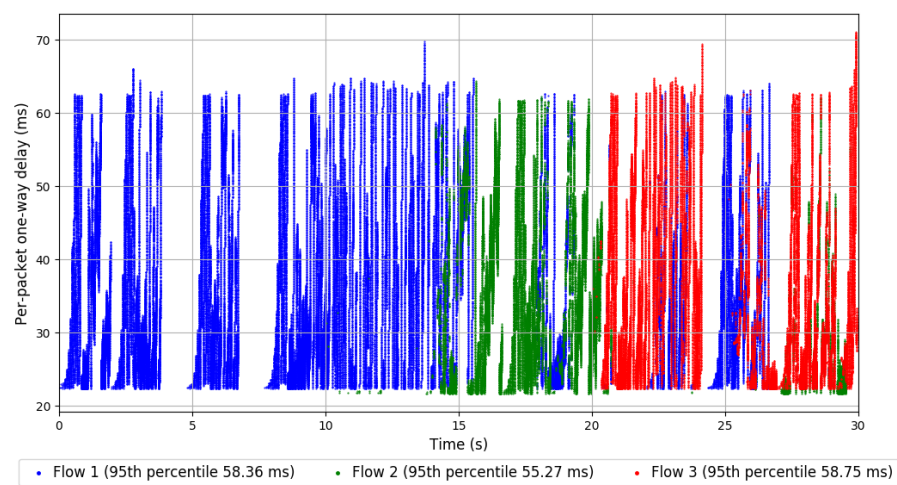
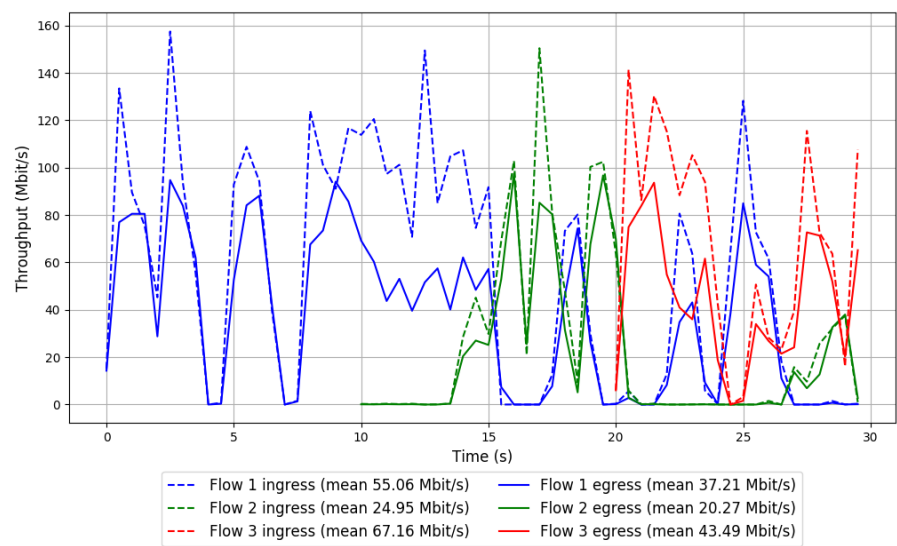


Run 10: Statistics of Verus

Start at: 2018-02-28 09:37:25
End at: 2018-02-28 09:37:55
Local clock offset: -0.69 ms
Remote clock offset: -12.118 ms

Below is generated by plot.py at 2018-02-28 10:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 57.938 ms
Loss rate: 30.82%
-- Flow 1:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 58.362 ms
Loss rate: 32.55%
-- Flow 2:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 55.267 ms
Loss rate: 19.02%
-- Flow 3:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 58.749 ms
Loss rate: 35.31%

Run 10: Report of Verus — Data Link

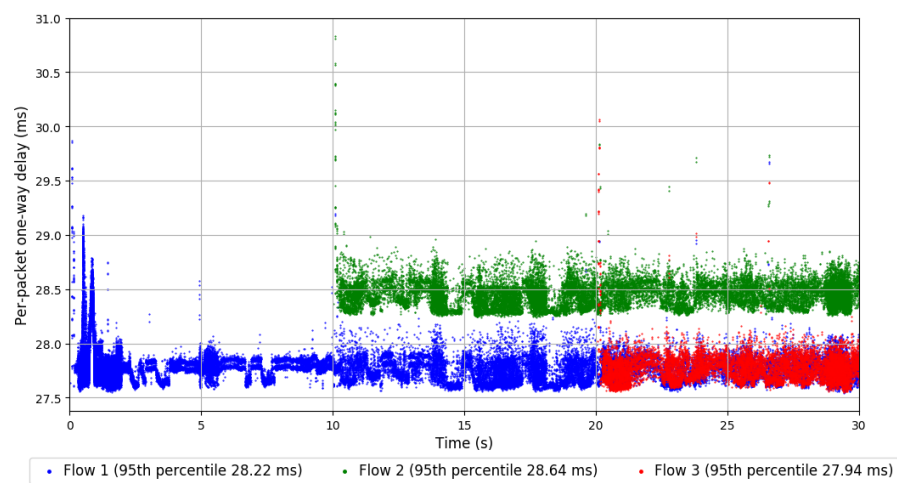
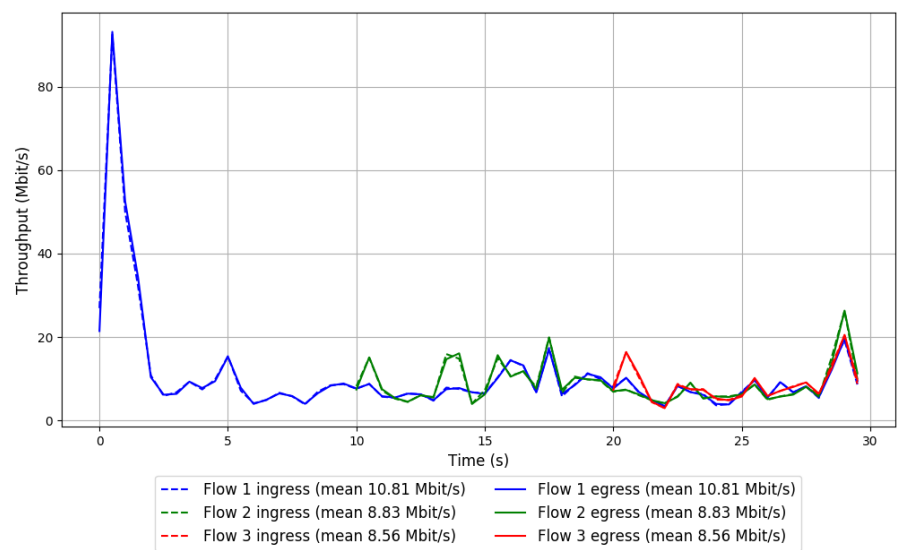


Run 1: Statistics of Copa

Start at: 2018-02-28 05:05:52
End at: 2018-02-28 05:06:22
Local clock offset: -0.513 ms
Remote clock offset: -5.967 ms

Below is generated by plot.py at 2018-02-28 10:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.53 Mbit/s
95th percentile per-packet one-way delay: 28.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 28.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 28.642 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 27.944 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

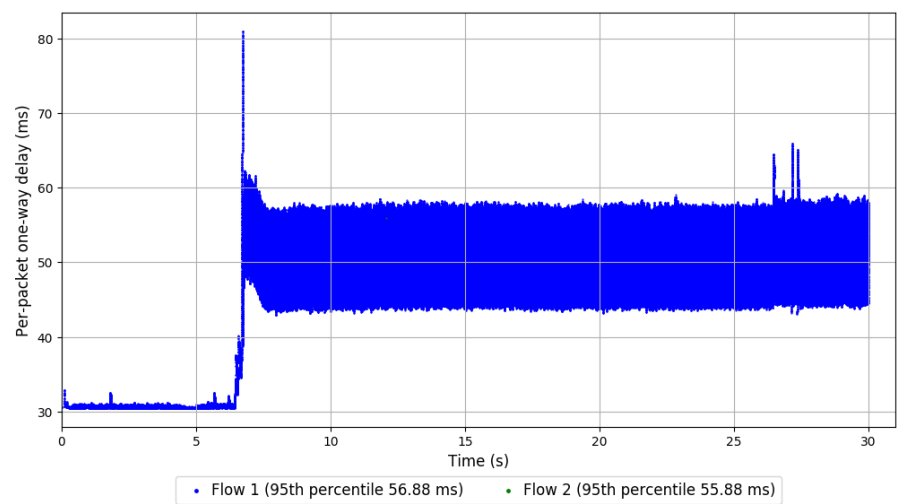
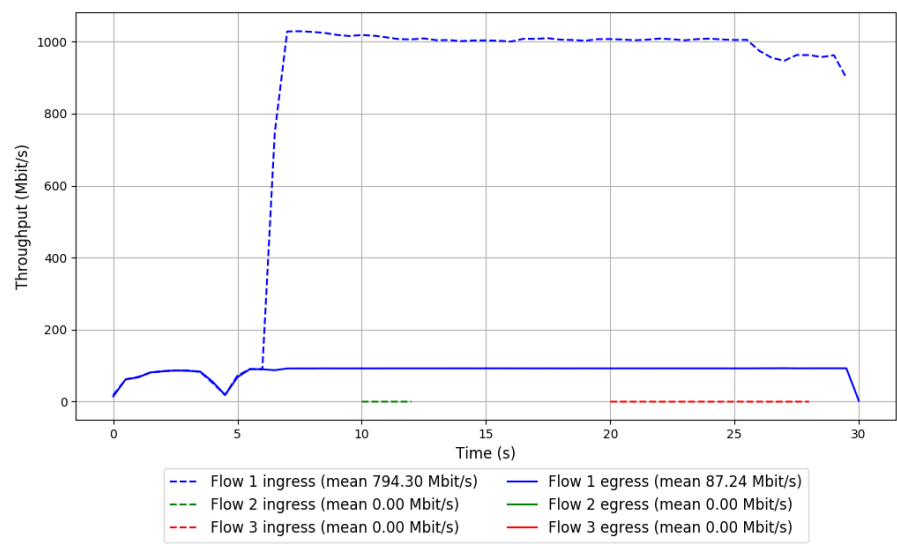


Run 2: Statistics of Copa

Start at: 2018-02-28 05:37:42
End at: 2018-02-28 05:38:12
Local clock offset: 3.649 ms
Remote clock offset: -5.227 ms

Below is generated by plot.py at 2018-02-28 10:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 56.880 ms
Loss rate: 89.01%
-- Flow 1:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 56.880 ms
Loss rate: 89.01%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 55.884 ms
Loss rate: 50.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 2: Report of Copa — Data Link

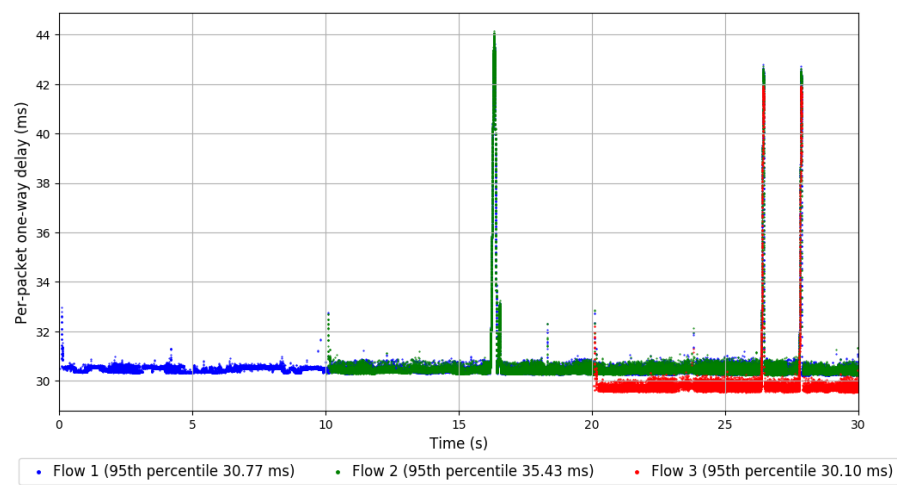
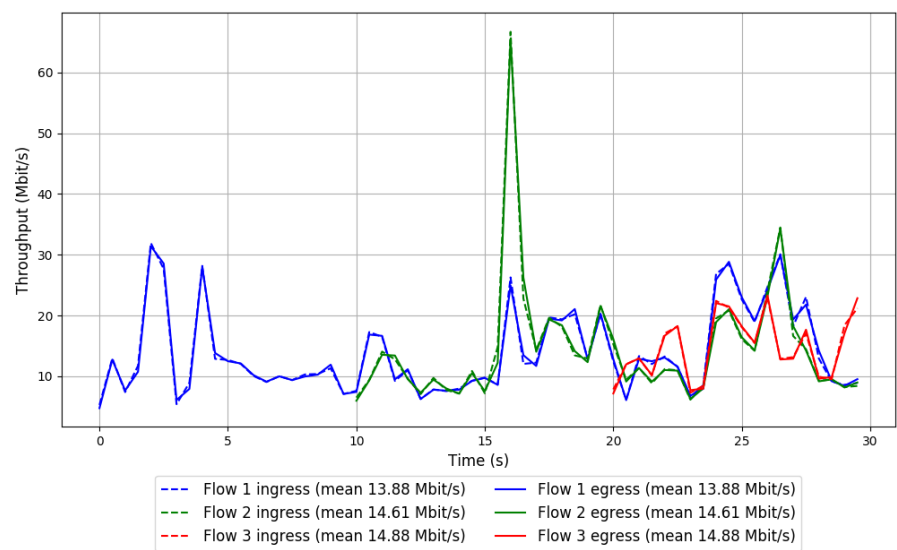


Run 3: Statistics of Copa

Start at: 2018-02-28 06:05:53
End at: 2018-02-28 06:06:23
Local clock offset: -5.098 ms
Remote clock offset: -4.357 ms

Below is generated by plot.py at 2018-02-28 10:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 31.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.88 Mbit/s
95th percentile per-packet one-way delay: 30.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 35.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 30.101 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

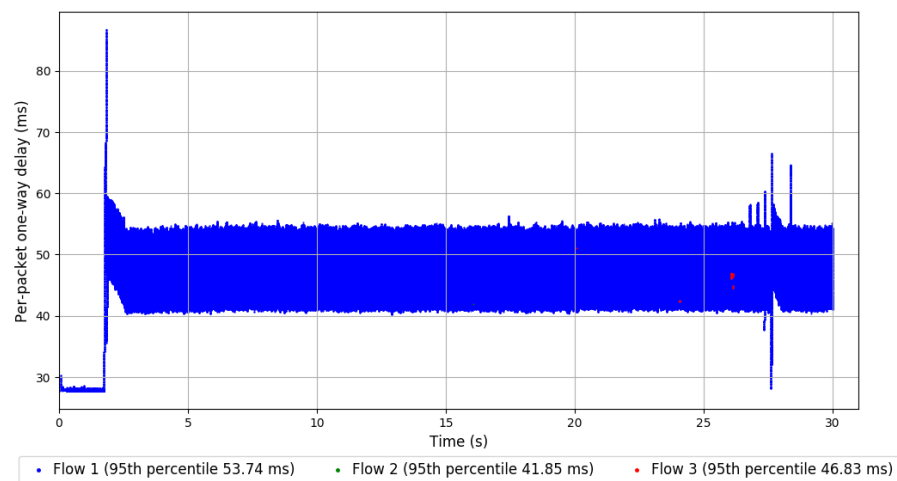
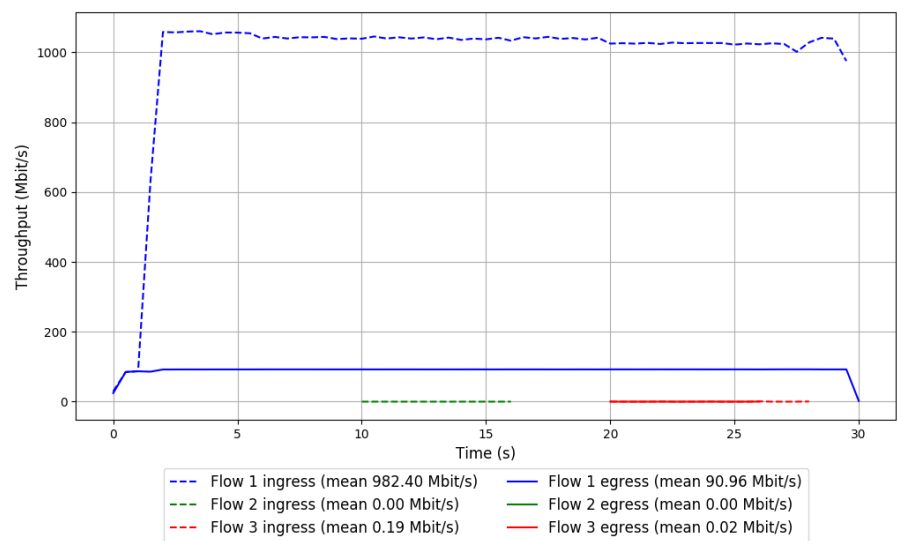


Run 4: Statistics of Copa

Start at: 2018-02-28 06:34:05
End at: 2018-02-28 06:34:35
Local clock offset: -4.945 ms
Remote clock offset: -6.153 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 53.744 ms
Loss rate: 90.74%
-- Flow 1:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 53.744 ms
Loss rate: 90.74%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 41.846 ms
Loss rate: 75.00%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 46.832 ms
Loss rate: 92.85%

Run 4: Report of Copa — Data Link

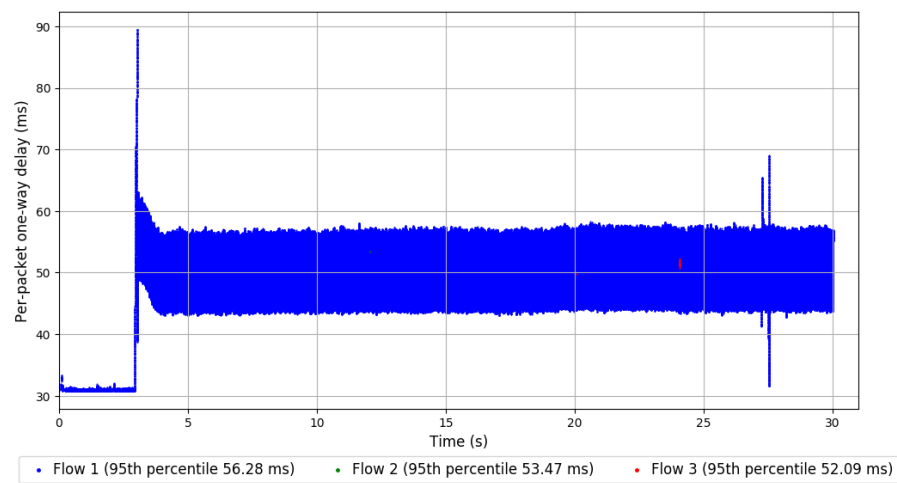
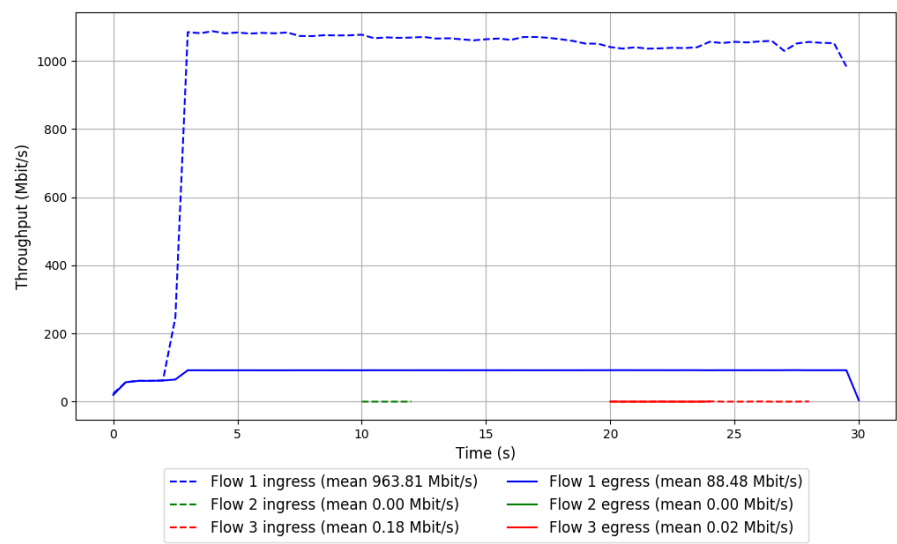


Run 5: Statistics of Copa

Start at: 2018-02-28 07:01:58
End at: 2018-02-28 07:02:28
Local clock offset: -4.52 ms
Remote clock offset: -3.709 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 56.281 ms
Loss rate: 90.81%
-- Flow 1:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 56.281 ms
Loss rate: 90.81%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.465 ms
Loss rate: 50.00%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 52.094 ms
Loss rate: 95.49%

Run 5: Report of Copa — Data Link

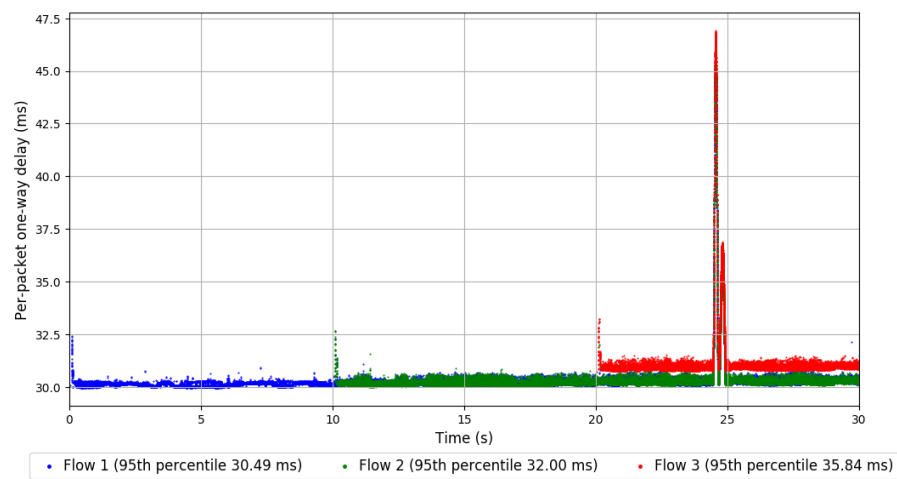
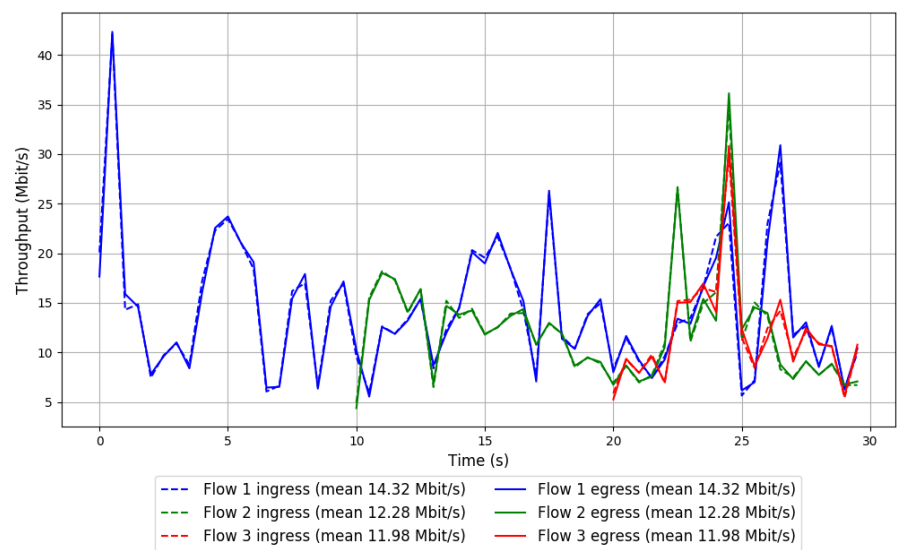


Run 6: Statistics of Copa

Start at: 2018-02-28 07:33:59
End at: 2018-02-28 07:34:29
Local clock offset: -2.948 ms
Remote clock offset: -1.816 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 31.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 30.494 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 32.001 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 35.838 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

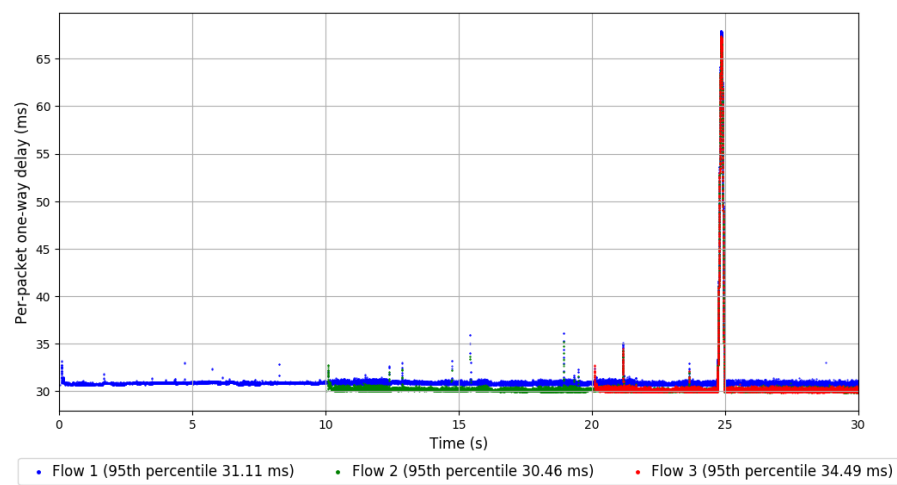
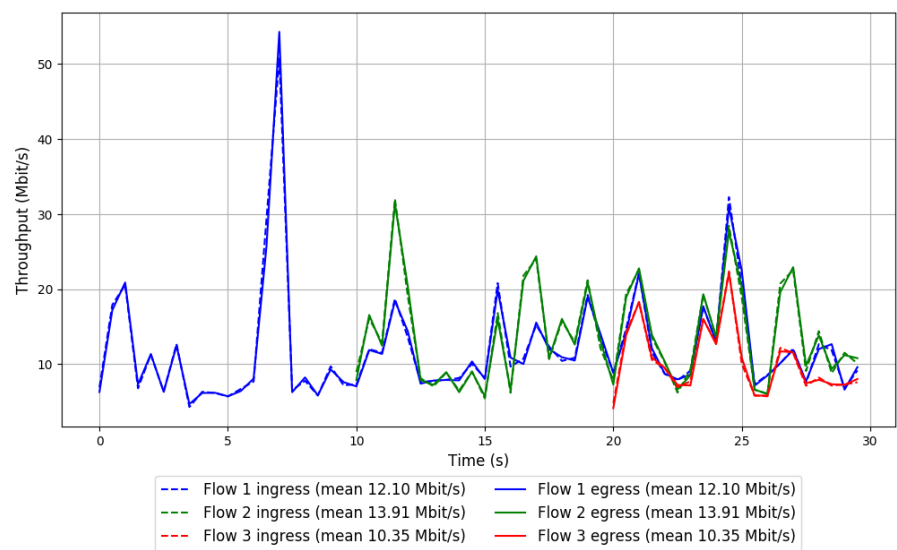


Run 7: Statistics of Copa

Start at: 2018-02-28 08:04:12
End at: 2018-02-28 08:04:42
Local clock offset: 2.481 ms
Remote clock offset: -1.376 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 31.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 31.107 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 30.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 34.490 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-02-28 08:36:49

End at: 2018-02-28 08:37:19

Local clock offset: -7.875 ms

Remote clock offset: -4.52 ms

Below is generated by plot.py at 2018-02-28 10:27:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.73 Mbit/s

95th percentile per-packet one-way delay: 46.069 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 39.356 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 47.647 ms

Loss rate: 1.76%

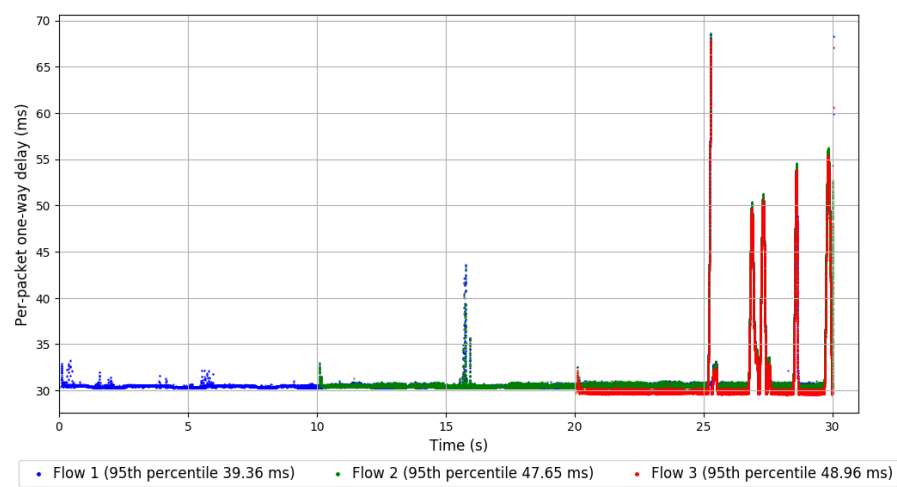
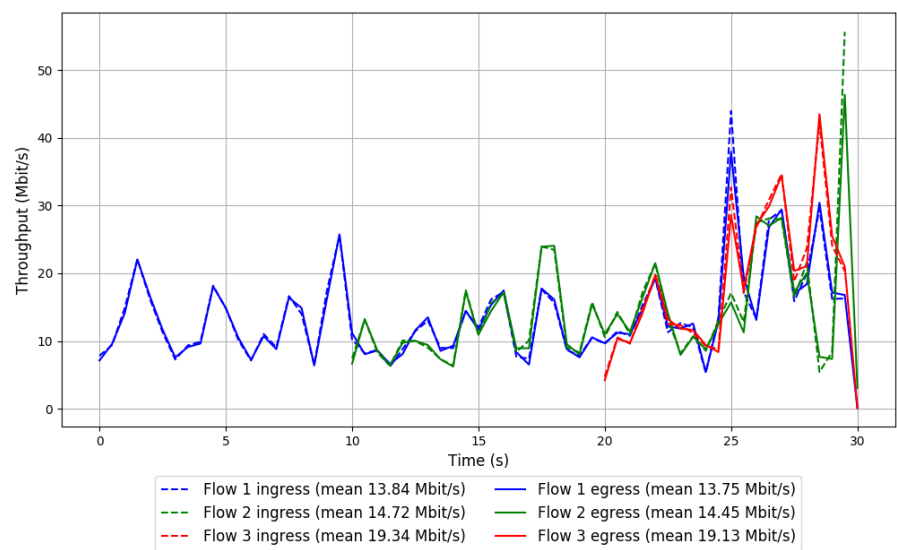
-- Flow 3:

Average throughput: 19.13 Mbit/s

95th percentile per-packet one-way delay: 48.961 ms

Loss rate: 0.73%

Run 8: Report of Copa — Data Link

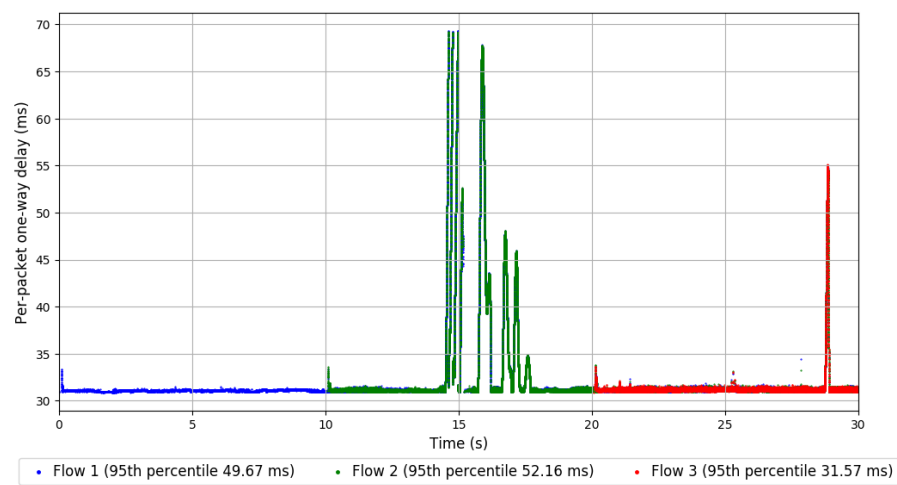
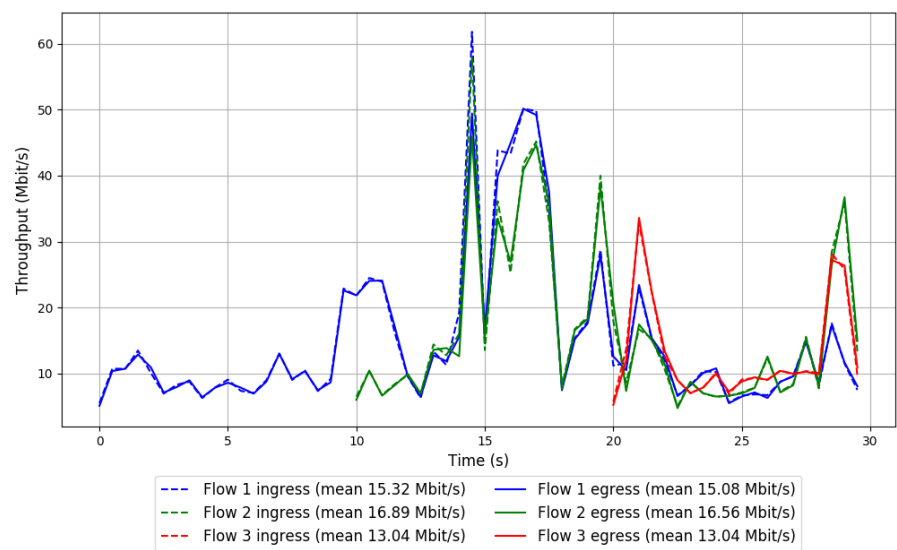


Run 9: Statistics of Copa

Start at: 2018-02-28 09:06:00
End at: 2018-02-28 09:06:30
Local clock offset: 2.666 ms
Remote clock offset: -3.842 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 49.176 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 49.667 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 52.165 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 31.568 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

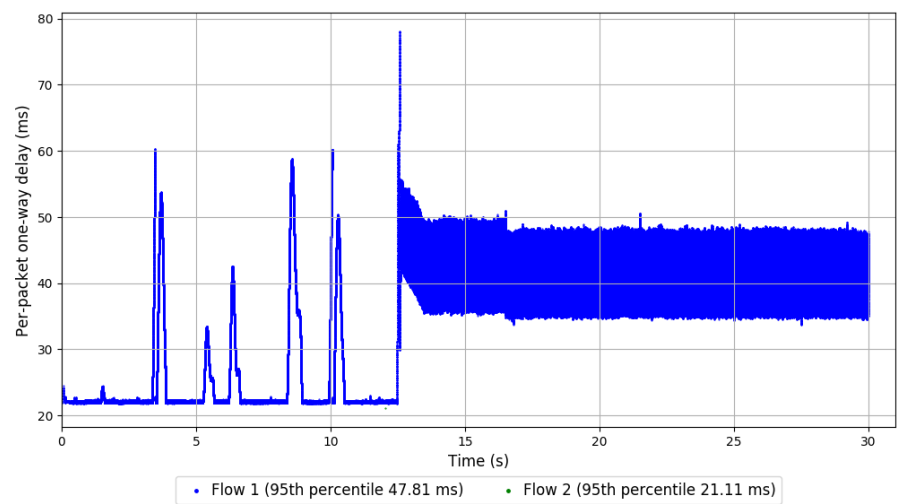
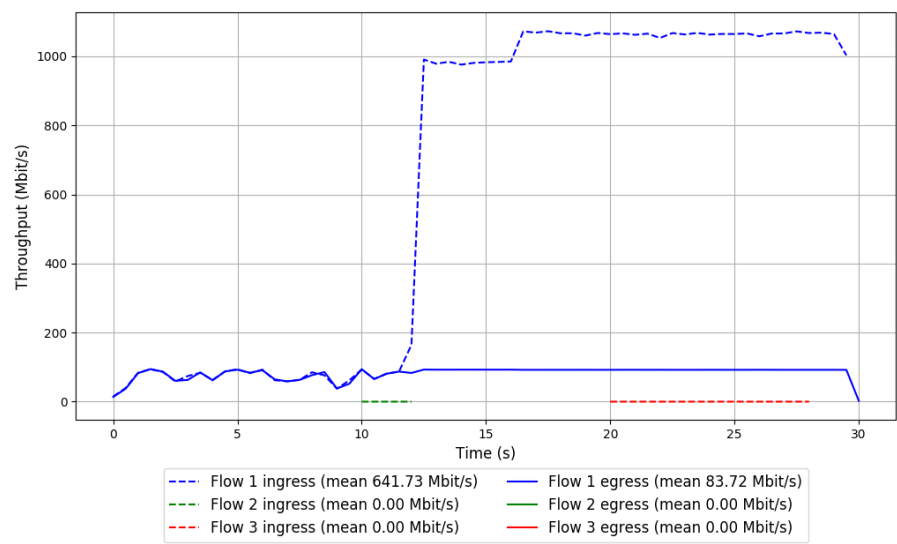


Run 10: Statistics of Copa

Start at: 2018-02-28 09:32:45
End at: 2018-02-28 09:33:15
Local clock offset: 0.052 ms
Remote clock offset: -12.046 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 47.813 ms
Loss rate: 86.94%
-- Flow 1:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 47.813 ms
Loss rate: 86.94%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 21.109 ms
Loss rate: 50.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 10: Report of Copa — Data Link

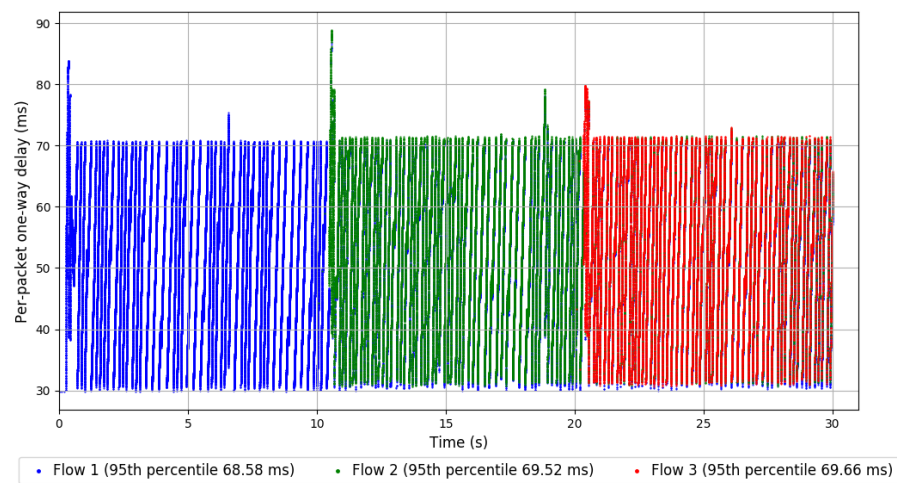
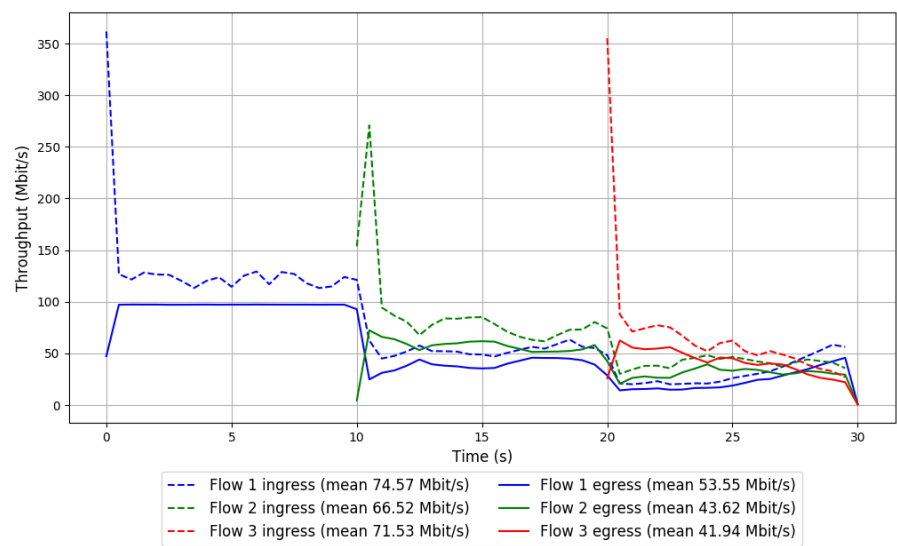


Run 1: Statistics of FillP

Start at: 2018-02-28 04:46:35
End at: 2018-02-28 04:47:05
Local clock offset: -3.863 ms
Remote clock offset: -5.331 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 69.021 ms
Loss rate: 32.23%
-- Flow 1:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 68.578 ms
Loss rate: 28.10%
-- Flow 2:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 69.520 ms
Loss rate: 34.35%
-- Flow 3:
Average throughput: 41.94 Mbit/s
95th percentile per-packet one-way delay: 69.657 ms
Loss rate: 41.23%

Run 1: Report of FillP — Data Link

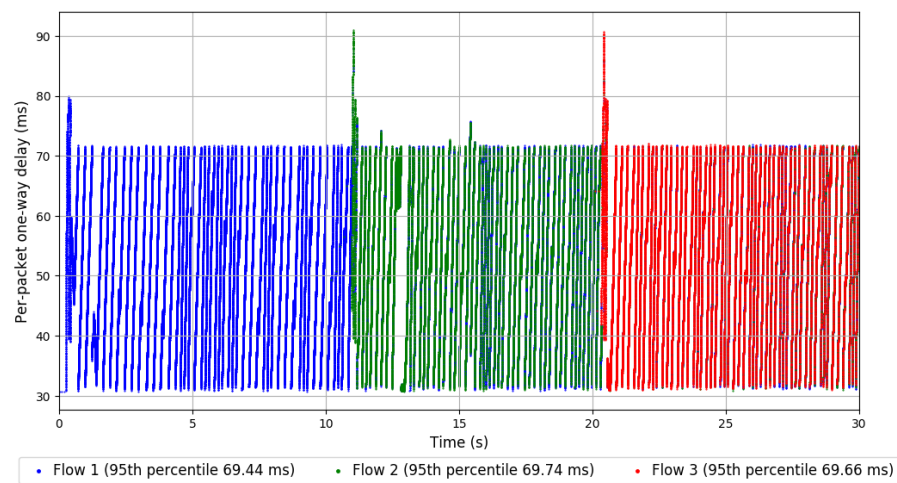
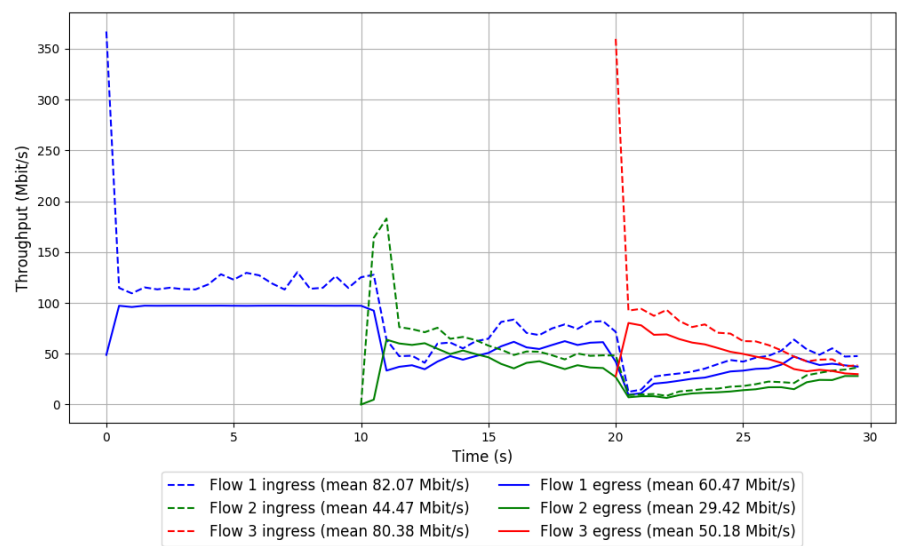


Run 2: Statistics of FillP

Start at: 2018-02-28 05:17:02
End at: 2018-02-28 05:17:32
Local clock offset: 0.666 ms
Remote clock offset: -4.971 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 69.541 ms
Loss rate: 30.21%
-- Flow 1:
Average throughput: 60.47 Mbit/s
95th percentile per-packet one-way delay: 69.443 ms
Loss rate: 26.28%
-- Flow 2:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 69.740 ms
Loss rate: 34.36%
-- Flow 3:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 69.661 ms
Loss rate: 37.70%

Run 2: Report of FillP — Data Link

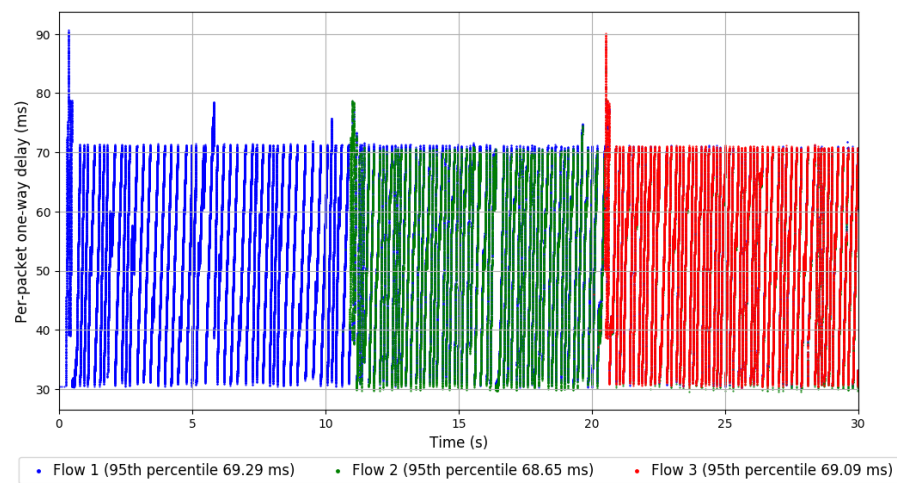
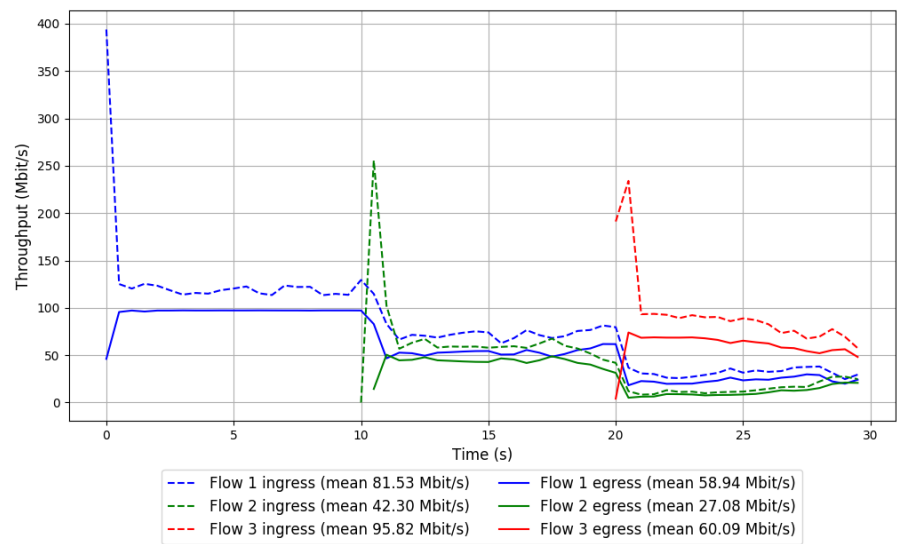


Run 3: Statistics of FillP

Start at: 2018-02-28 05:47:40
End at: 2018-02-28 05:48:10
Local clock offset: 4.381 ms
Remote clock offset: -5.009 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 69.123 ms
Loss rate: 31.83%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 69.286 ms
Loss rate: 27.70%
-- Flow 2:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 68.648 ms
Loss rate: 37.54%
-- Flow 3:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 69.089 ms
Loss rate: 37.37%

Run 3: Report of FillP — Data Link

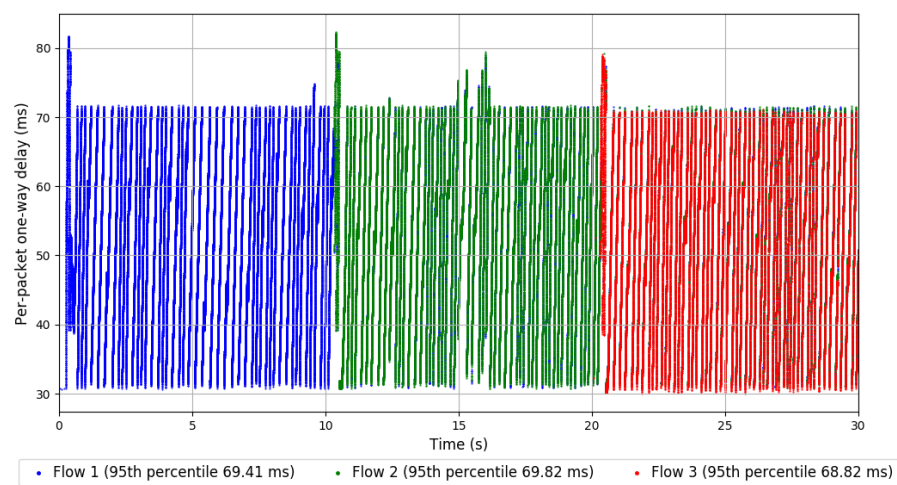
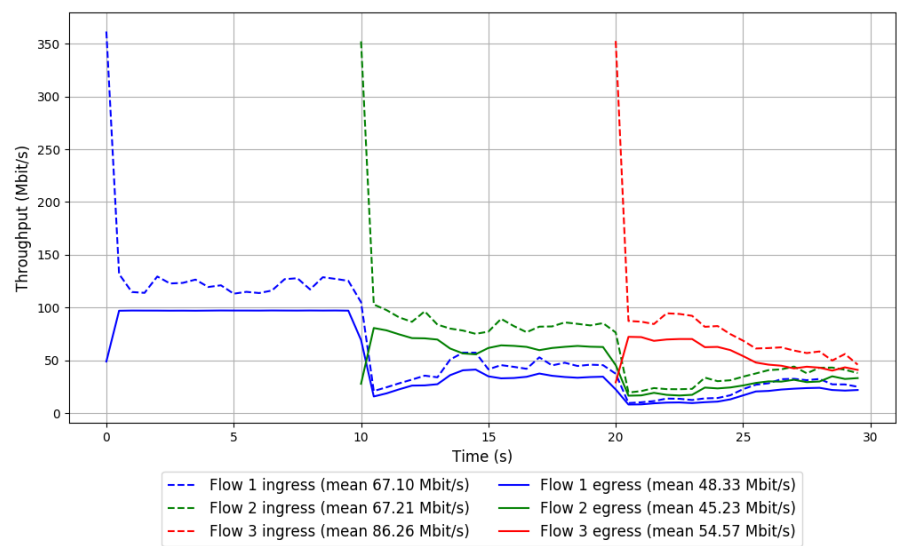


Run 4: Statistics of FillP

Start at: 2018-02-28 06:15:42
End at: 2018-02-28 06:16:12
Local clock offset: -6.937 ms
Remote clock offset: -3.713 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 69.429 ms
Loss rate: 31.23%
-- Flow 1:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 69.414 ms
Loss rate: 27.92%
-- Flow 2:
Average throughput: 45.23 Mbit/s
95th percentile per-packet one-way delay: 69.818 ms
Loss rate: 32.75%
-- Flow 3:
Average throughput: 54.57 Mbit/s
95th percentile per-packet one-way delay: 68.820 ms
Loss rate: 36.62%

Run 4: Report of FillP — Data Link

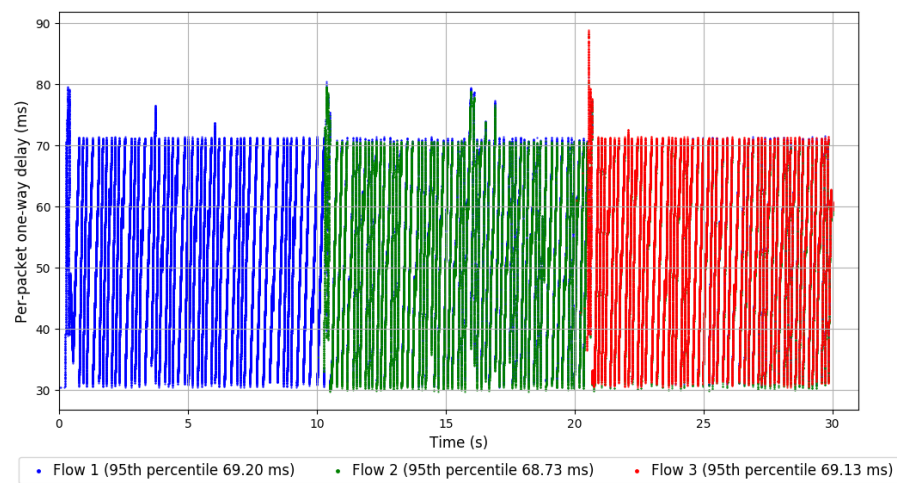
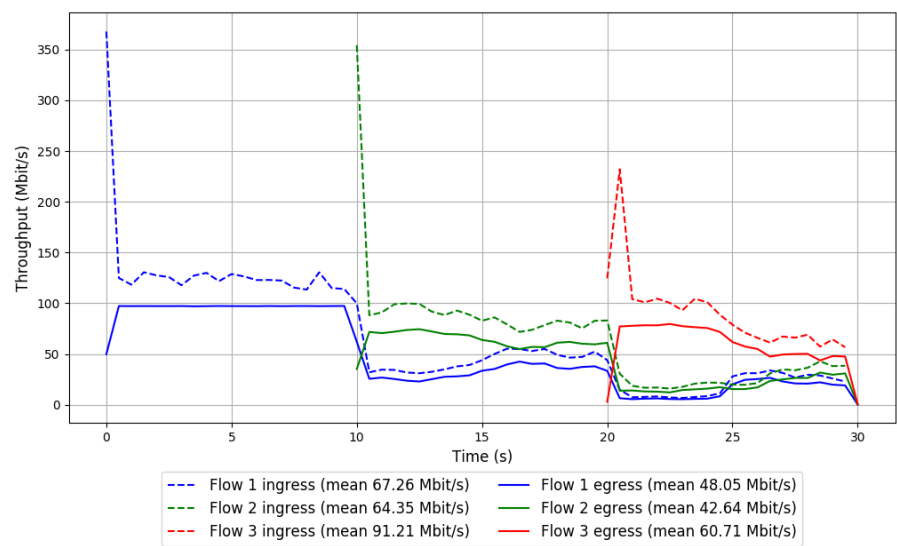


Run 5: Statistics of FillP

Start at: 2018-02-28 06:44:00
End at: 2018-02-28 06:44:30
Local clock offset: -4.563 ms
Remote clock offset: -4.361 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 69.056 ms
Loss rate: 31.14%
-- Flow 1:
Average throughput: 48.05 Mbit/s
95th percentile per-packet one-way delay: 69.201 ms
Loss rate: 28.50%
-- Flow 2:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 68.732 ms
Loss rate: 33.66%
-- Flow 3:
Average throughput: 60.71 Mbit/s
95th percentile per-packet one-way delay: 69.128 ms
Loss rate: 33.44%

Run 5: Report of FillP — Data Link

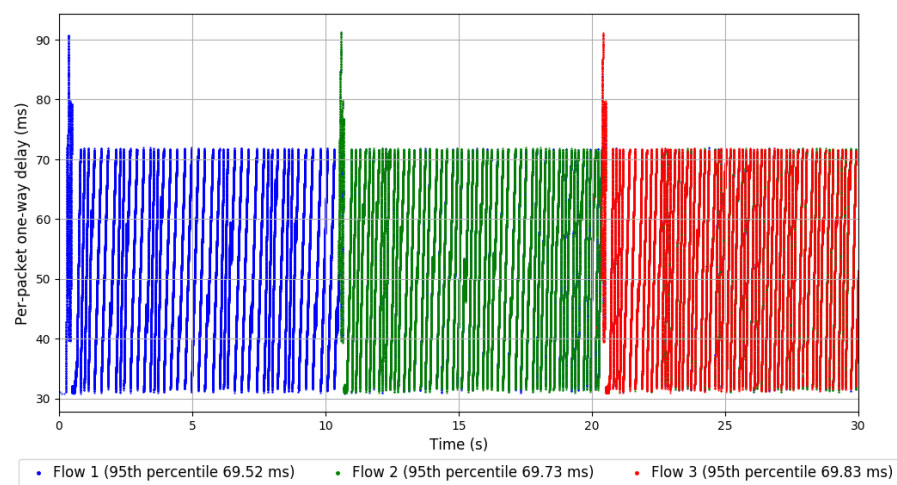
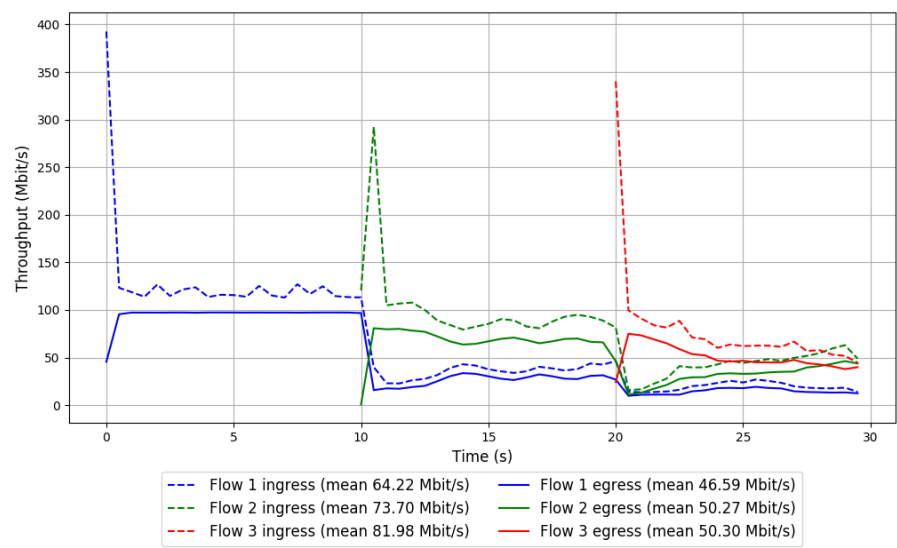


Run 6: Statistics of FillP

Start at: 2018-02-28 07:13:23
End at: 2018-02-28 07:13:53
Local clock offset: -4.487 ms
Remote clock offset: -3.649 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 69.646 ms
Loss rate: 31.31%
-- Flow 1:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 69.520 ms
Loss rate: 27.40%
-- Flow 2:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 69.726 ms
Loss rate: 32.32%
-- Flow 3:
Average throughput: 50.30 Mbit/s
95th percentile per-packet one-way delay: 69.826 ms
Loss rate: 38.72%

Run 6: Report of FillP — Data Link

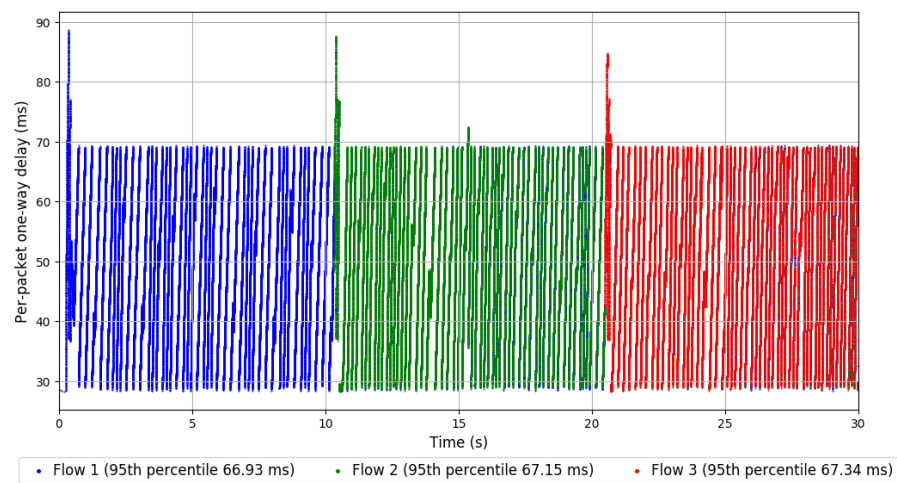
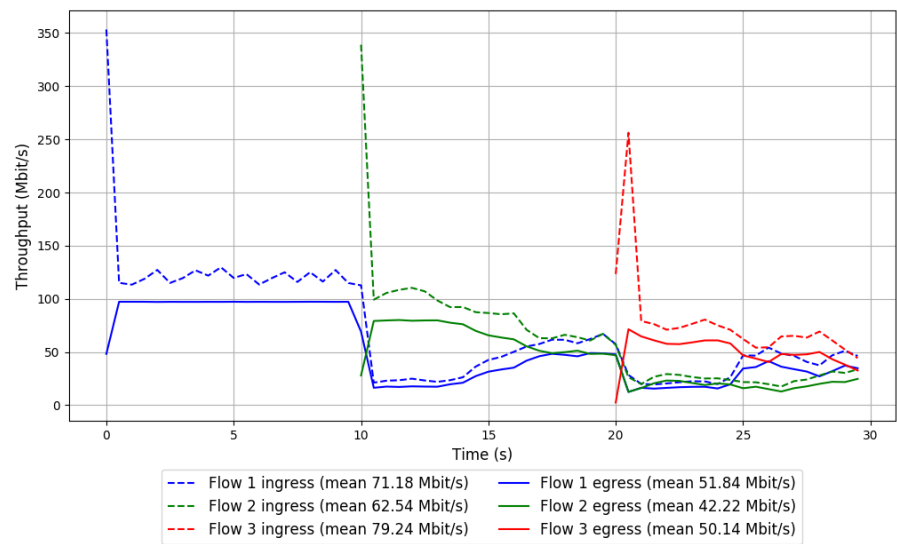


Run 7: Statistics of FillP

Start at: 2018-02-28 07:44:00
End at: 2018-02-28 07:44:30
Local clock offset: 0.38 ms
Remote clock offset: -2.442 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 67.069 ms
Loss rate: 30.63%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 66.934 ms
Loss rate: 27.17%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 67.147 ms
Loss rate: 32.60%
-- Flow 3:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 67.341 ms
Loss rate: 36.89%

Run 7: Report of FillP — Data Link

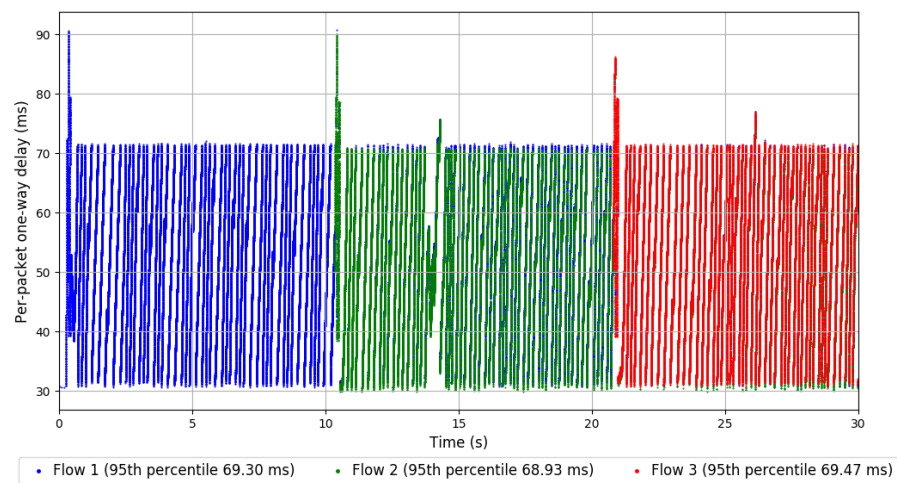
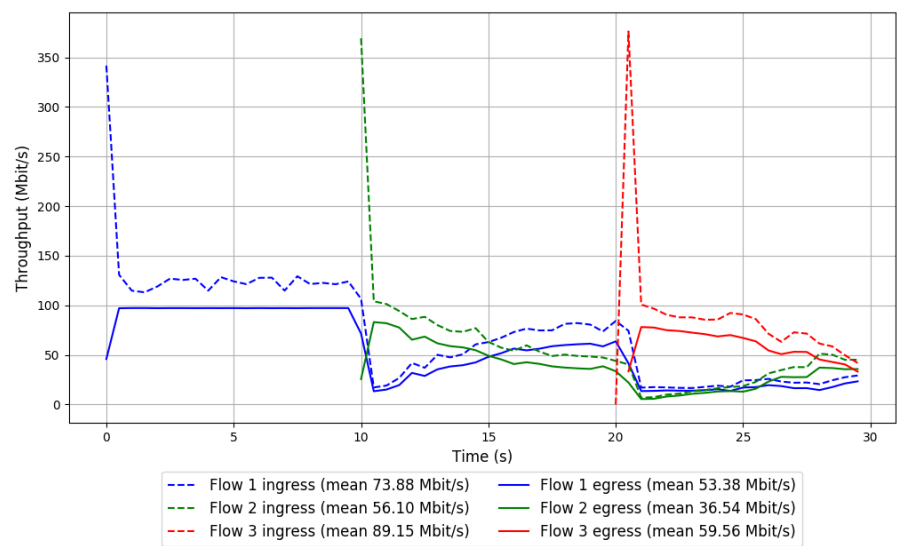


Run 8: Statistics of FillP

Start at: 2018-02-28 08:16:51
End at: 2018-02-28 08:17:21
Local clock offset: -4.155 ms
Remote clock offset: -3.636 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 69.228 ms
Loss rate: 31.49%
-- Flow 1:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: 69.298 ms
Loss rate: 27.74%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 68.932 ms
Loss rate: 34.94%
-- Flow 3:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 69.466 ms
Loss rate: 36.48%

Run 8: Report of FillP — Data Link

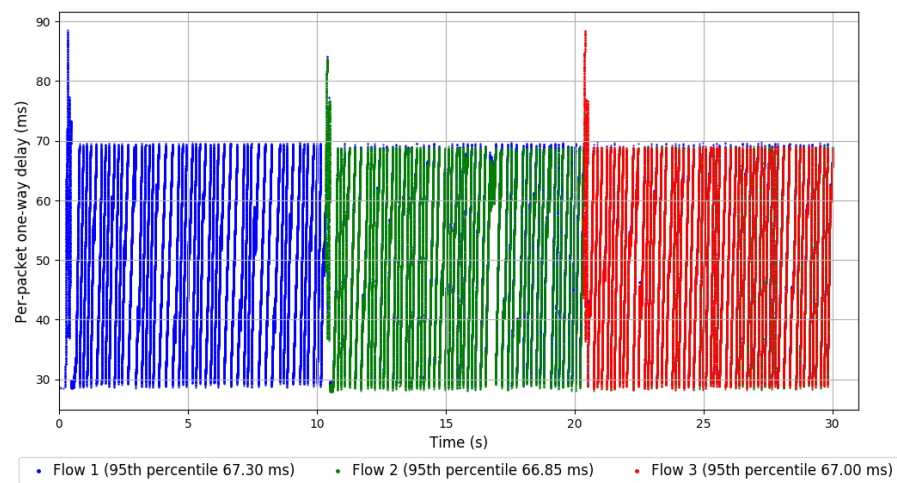
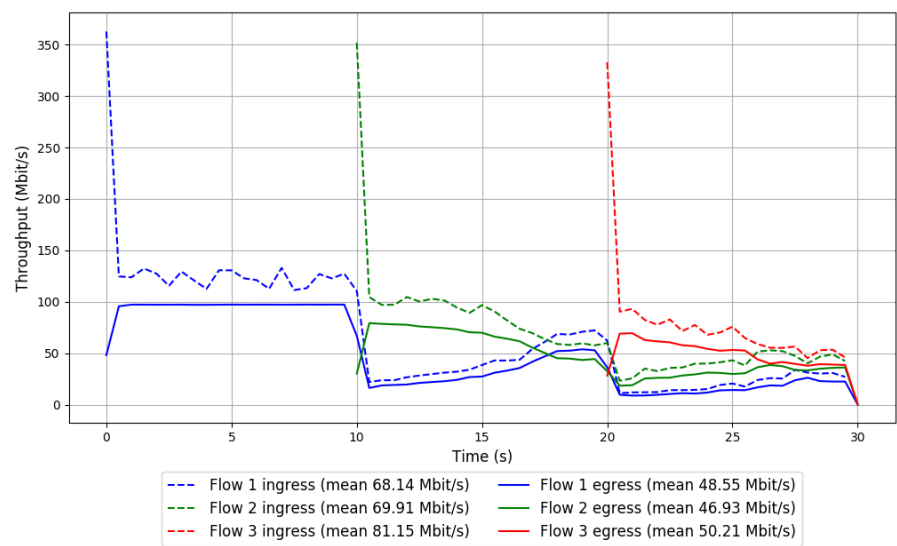


Run 9: Statistics of FillP

Start at: 2018-02-28 08:46:30
End at: 2018-02-28 08:47:00
Local clock offset: -1.967 ms
Remote clock offset: -6.498 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 67.106 ms
Loss rate: 31.79%
-- Flow 1:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 67.304 ms
Loss rate: 28.67%
-- Flow 2:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 66.854 ms
Loss rate: 32.79%
-- Flow 3:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 66.997 ms
Loss rate: 37.96%

Run 9: Report of FillP — Data Link

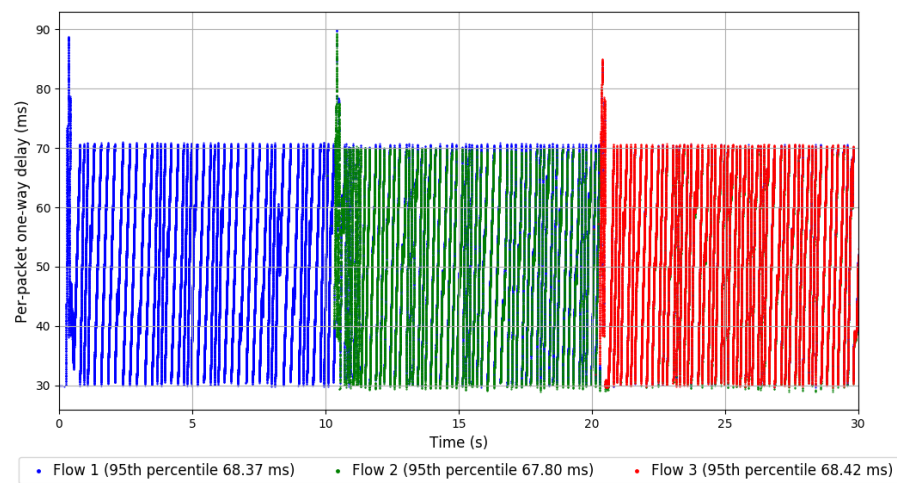
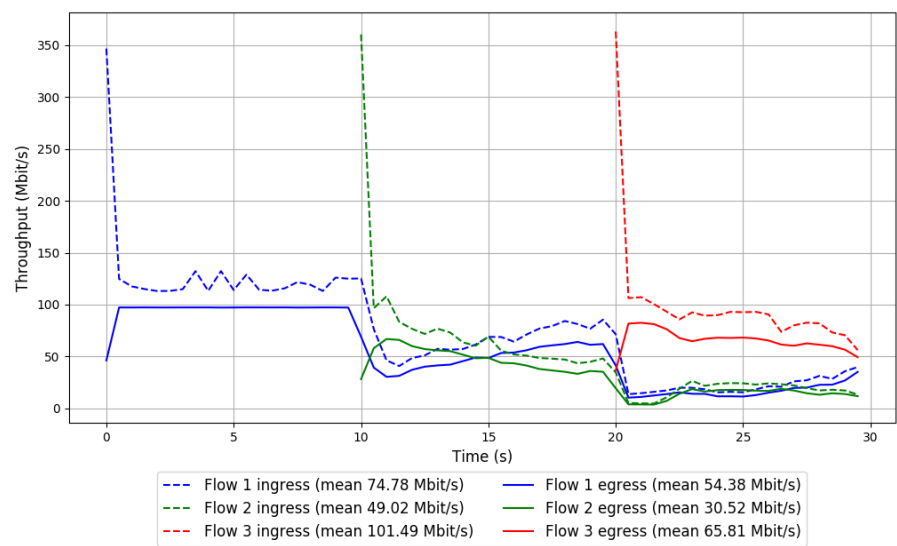


Run 10: Statistics of FillP

Start at: 2018-02-28 09:15:23
End at: 2018-02-28 09:15:53
Local clock offset: 1.356 ms
Remote clock offset: -6.559 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 68.273 ms
Loss rate: 31.57%
-- Flow 1:
Average throughput: 54.38 Mbit/s
95th percentile per-packet one-way delay: 68.370 ms
Loss rate: 27.23%
-- Flow 2:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 67.804 ms
Loss rate: 37.78%
-- Flow 3:
Average throughput: 65.81 Mbit/s
95th percentile per-packet one-way delay: 68.421 ms
Loss rate: 35.18%

Run 10: Report of FillP — Data Link

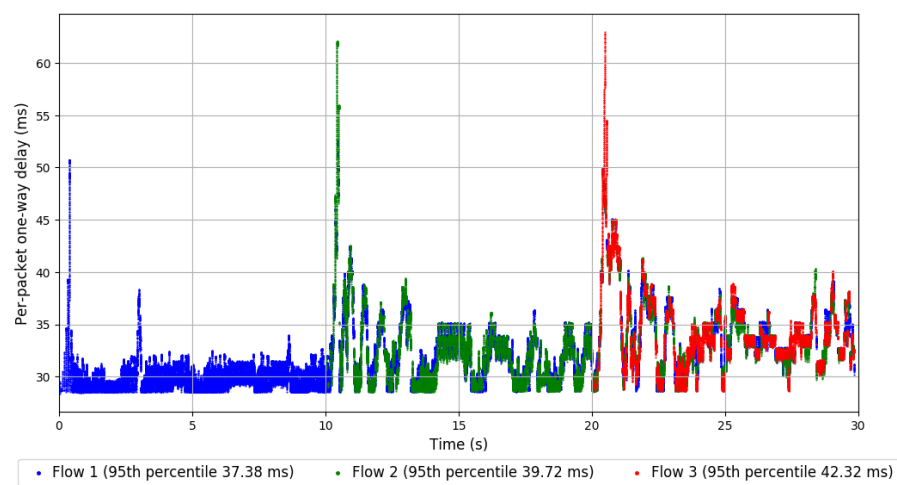
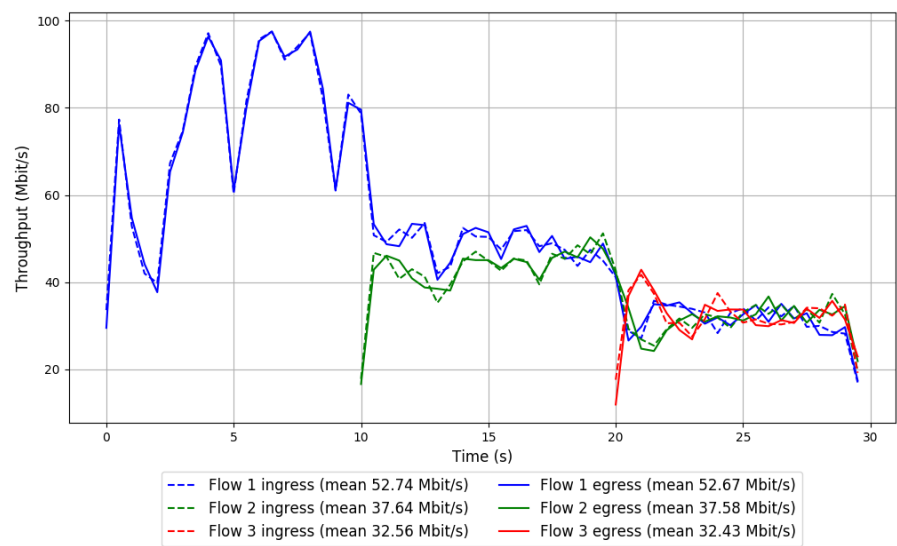


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-28 04:48:09
End at: 2018-02-28 04:48:39
Local clock offset: -3.397 ms
Remote clock offset: -7.267 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 38.560 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 37.375 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.58 Mbit/s
95th percentile per-packet one-way delay: 39.723 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 42.317 ms
Loss rate: 0.36%

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

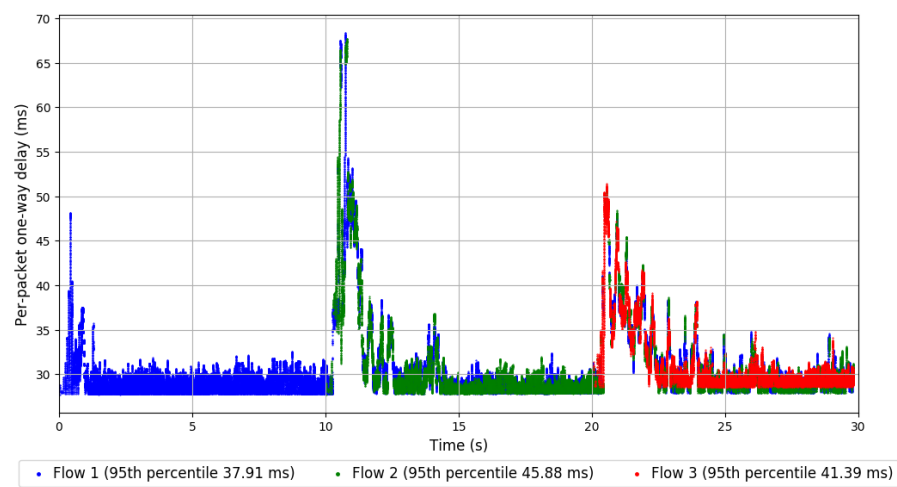
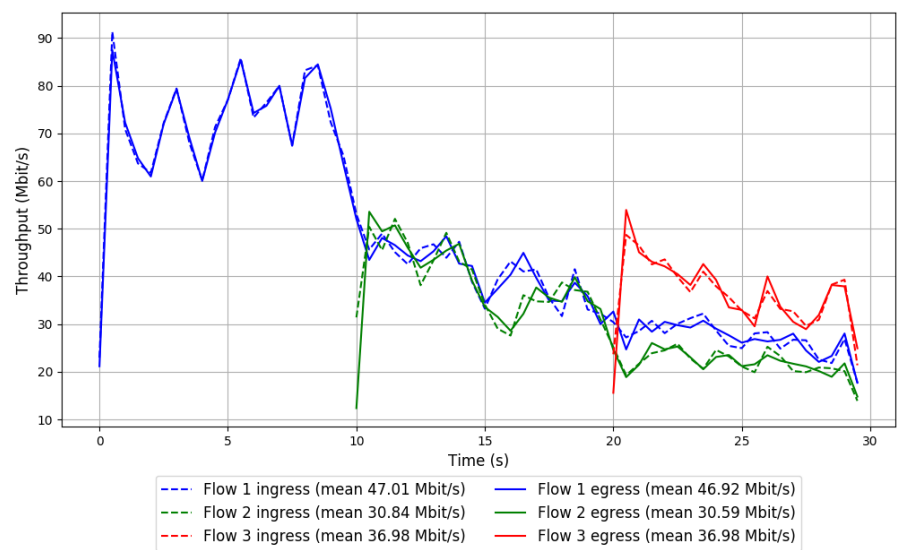


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-28 05:18:53
End at: 2018-02-28 05:19:23
Local clock offset: 1.193 ms
Remote clock offset: -7.227 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 40.520 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 46.92 Mbit/s
95th percentile per-packet one-way delay: 37.906 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 45.878 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 41.389 ms
Loss rate: 0.02%

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

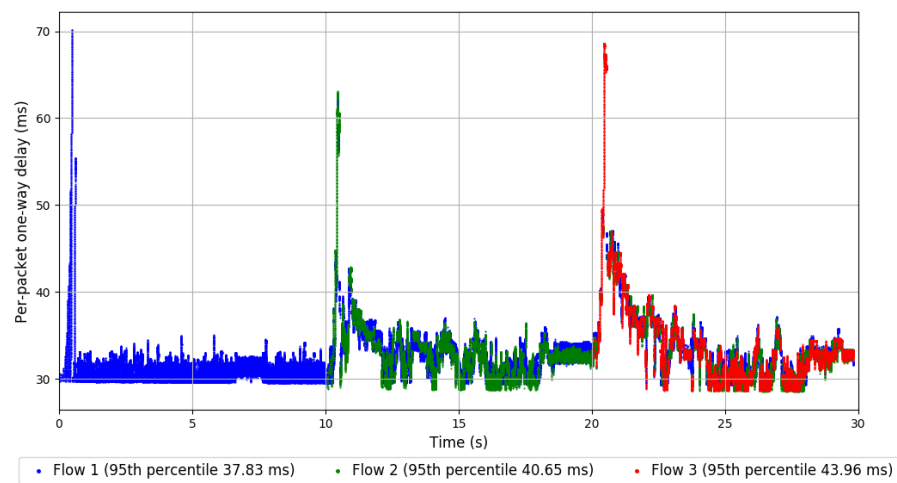
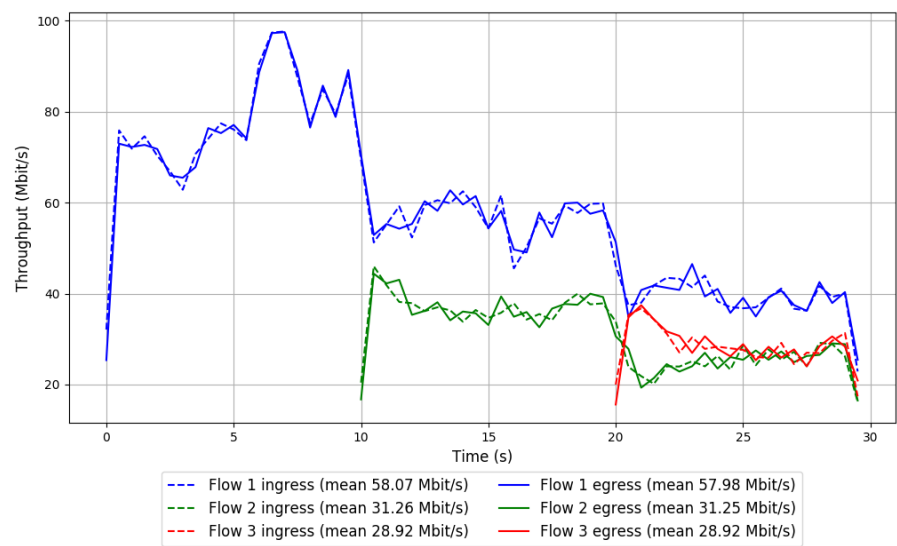


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-28 05:49:11
End at: 2018-02-28 05:49:41
Local clock offset: 3.717 ms
Remote clock offset: -4.984 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 39.414 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.98 Mbit/s
95th percentile per-packet one-way delay: 37.834 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 40.648 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 43.959 ms
Loss rate: 0.00%

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

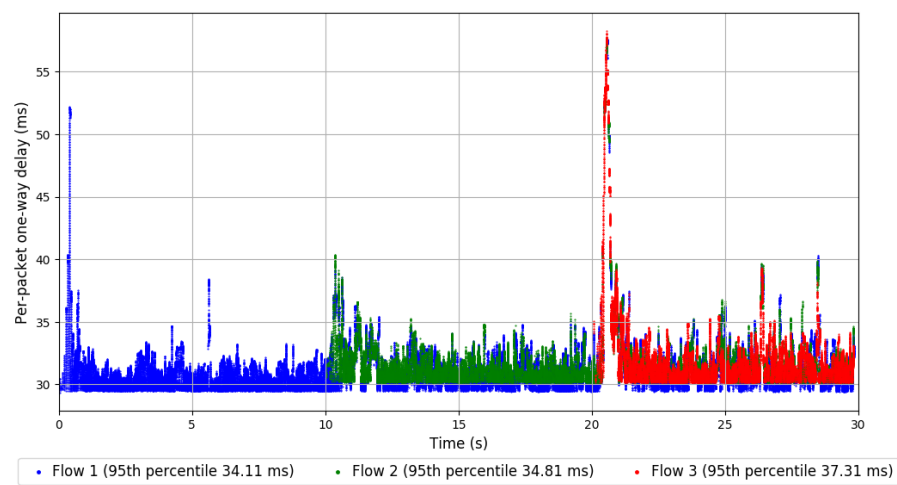
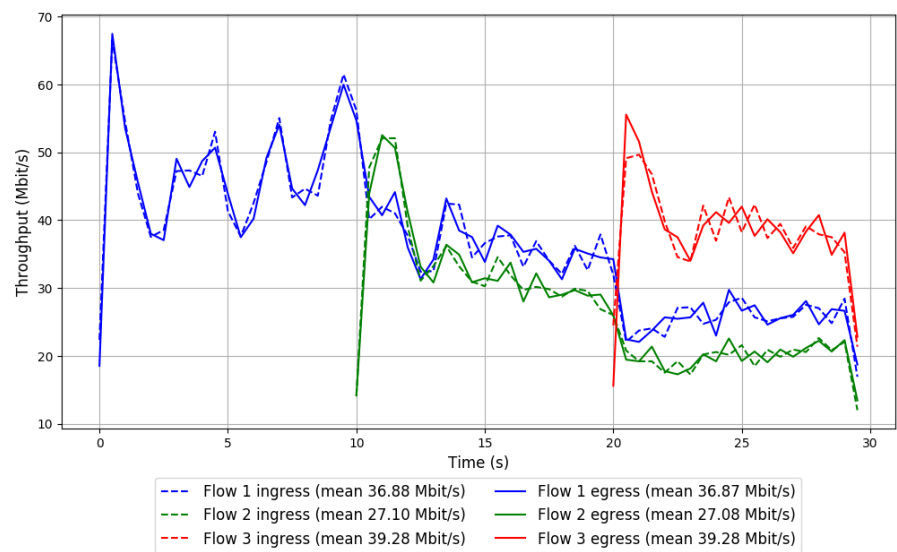


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-28 06:17:25
End at: 2018-02-28 06:17:55
Local clock offset: -7.185 ms
Remote clock offset: -4.164 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.67 Mbit/s
95th percentile per-packet one-way delay: 34.933 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 34.112 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 34.806 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 37.312 ms
Loss rate: 0.02%

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

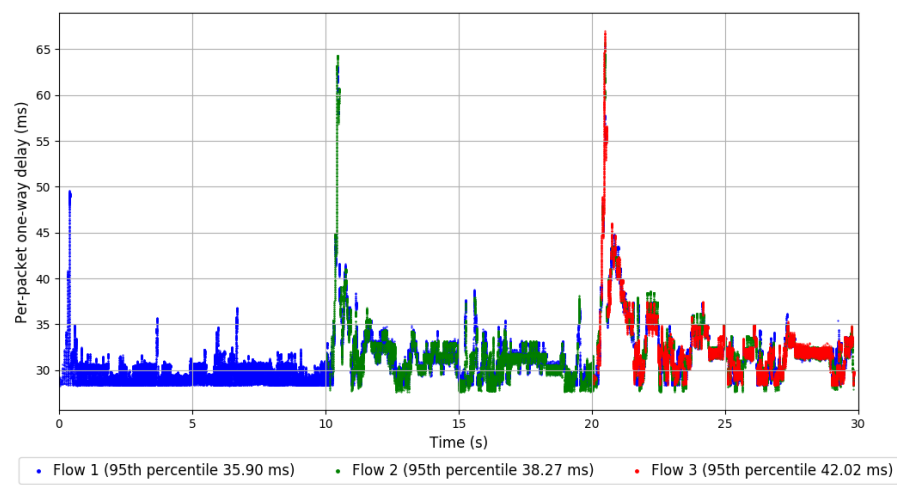
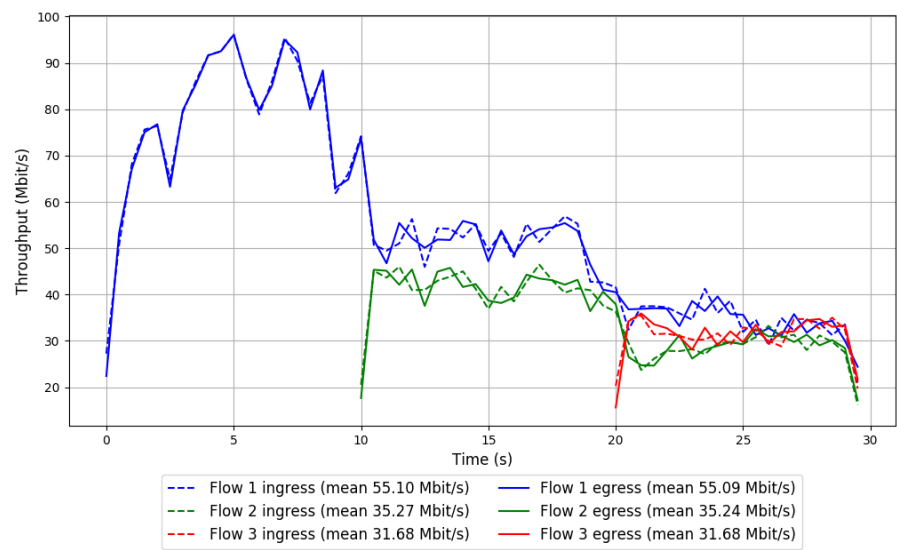


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-28 06:45:33
End at: 2018-02-28 06:46:03
Local clock offset: -4.574 ms
Remote clock offset: -6.453 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 37.258 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 35.895 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 38.275 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 42.024 ms
Loss rate: 0.00%

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

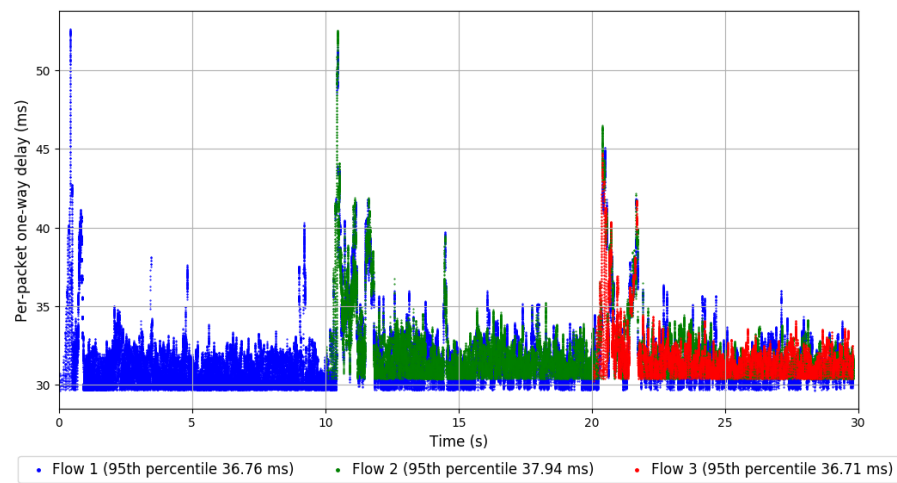
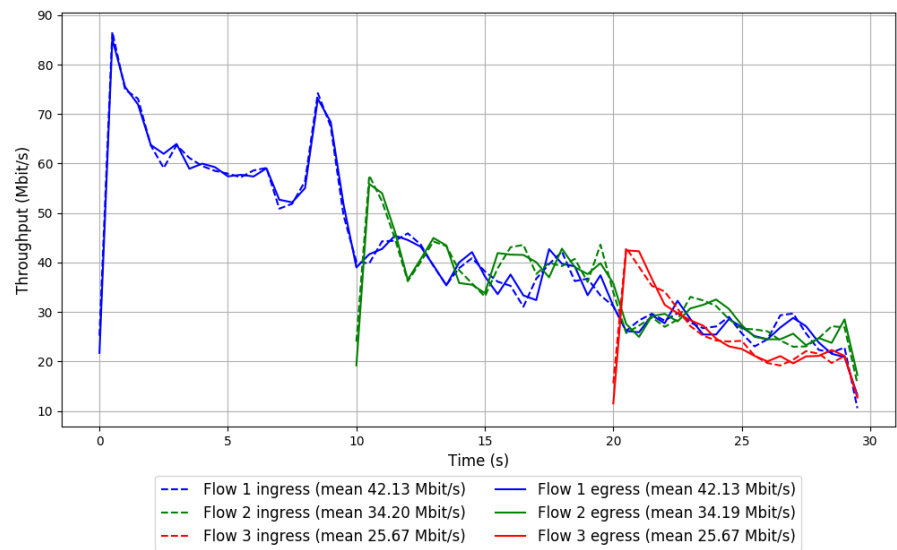


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-28 07:15:12
End at: 2018-02-28 07:15:42
Local clock offset: -4.438 ms
Remote clock offset: -4.079 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: 37.258 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 36.756 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 37.936 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 25.67 Mbit/s
95th percentile per-packet one-way delay: 36.713 ms
Loss rate: 0.00%

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

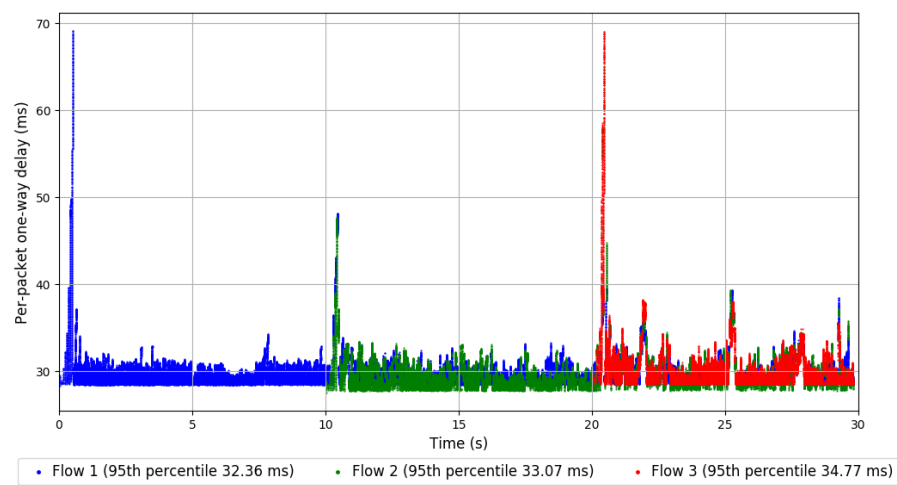
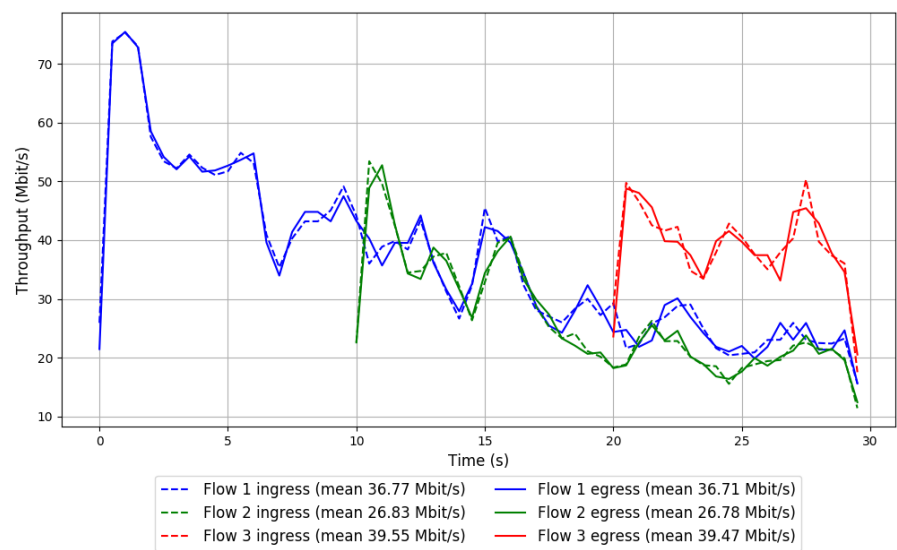


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-28 07:45:48
End at: 2018-02-28 07:46:18
Local clock offset: 0.613 ms
Remote clock offset: -2.107 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.41 Mbit/s
95th percentile per-packet one-way delay: 33.115 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 32.356 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 33.073 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 34.772 ms
Loss rate: 0.18%

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

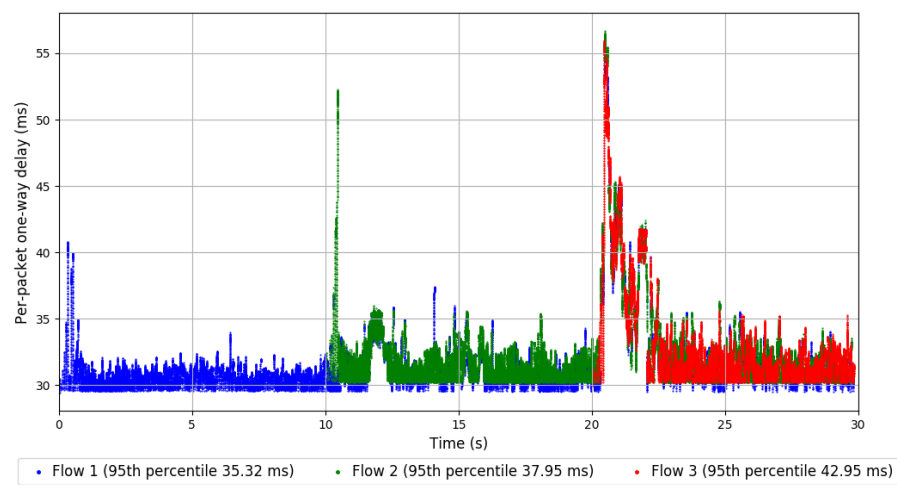
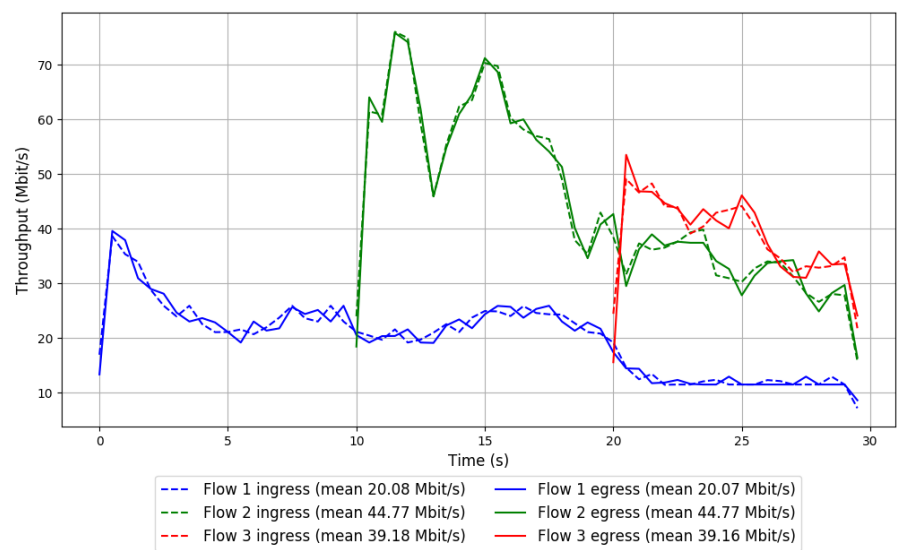


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-28 08:18:33
End at: 2018-02-28 08:19:03
Local clock offset: -4.627 ms
Remote clock offset: -4.133 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.58 Mbit/s
95th percentile per-packet one-way delay: 39.842 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 35.316 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 37.955 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 42.955 ms
Loss rate: 0.04%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-28 08:48:07

End at: 2018-02-28 08:48:37

Local clock offset: -1.207 ms

Remote clock offset: -4.35 ms

Below is generated by plot.py at 2018-02-28 10:27:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.29 Mbit/s

95th percentile per-packet one-way delay: 34.624 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 33.96 Mbit/s

95th percentile per-packet one-way delay: 33.964 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 36.88 Mbit/s

95th percentile per-packet one-way delay: 36.055 ms

Loss rate: 0.01%

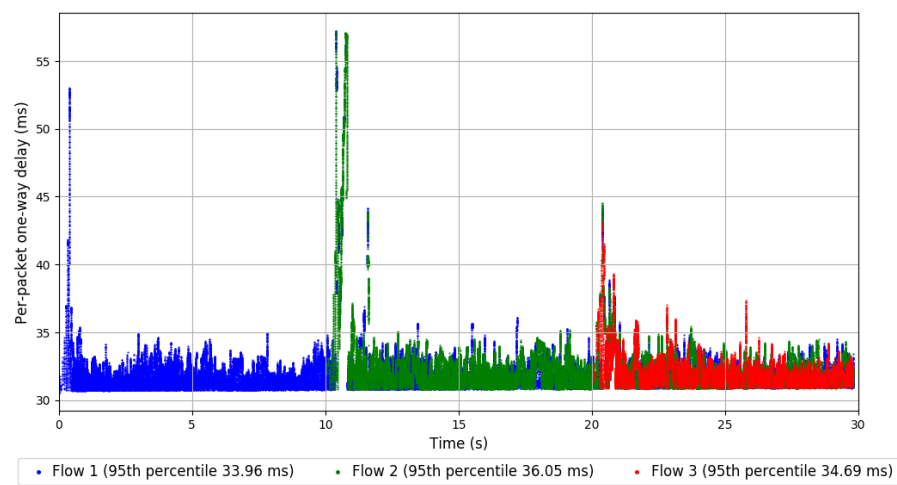
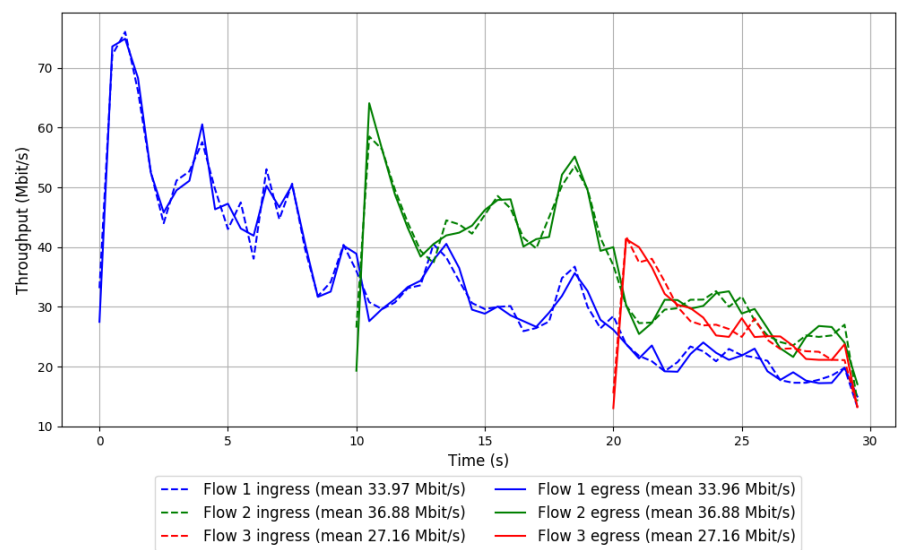
-- Flow 3:

Average throughput: 27.16 Mbit/s

95th percentile per-packet one-way delay: 34.693 ms

Loss rate: 0.00%

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

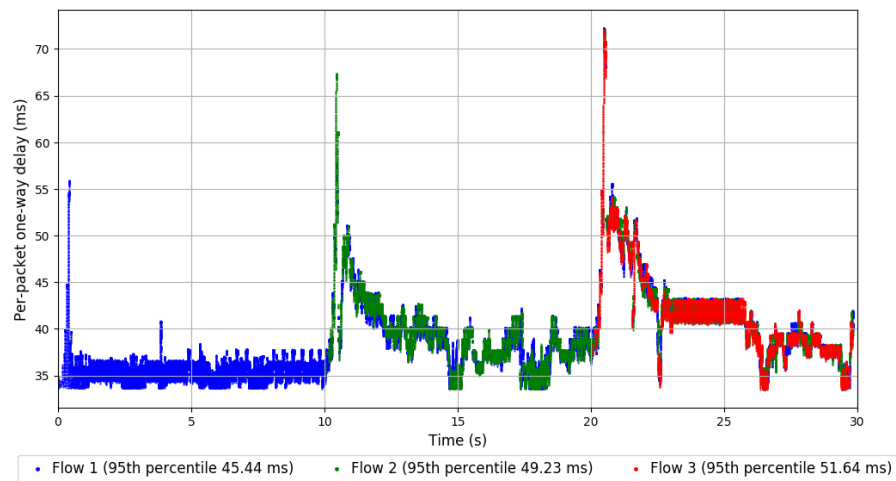
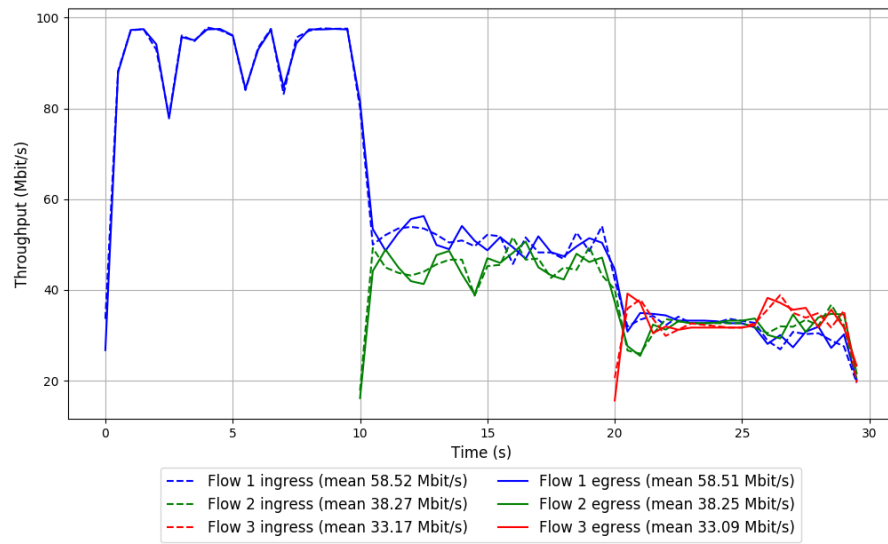


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-28 09:16:52
End at: 2018-02-28 09:17:22
Local clock offset: 0.229 ms
Remote clock offset: -3.095 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 48.551 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 45.435 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 49.225 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 51.639 ms
Loss rate: 0.21%

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

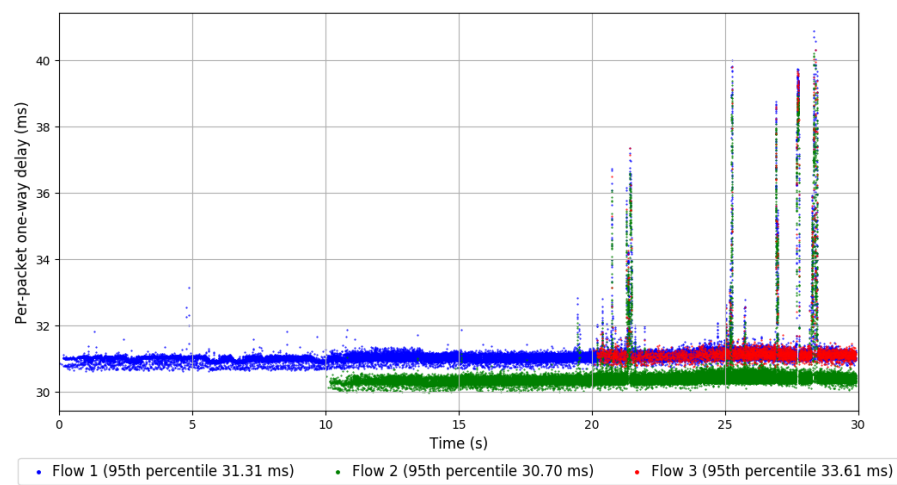
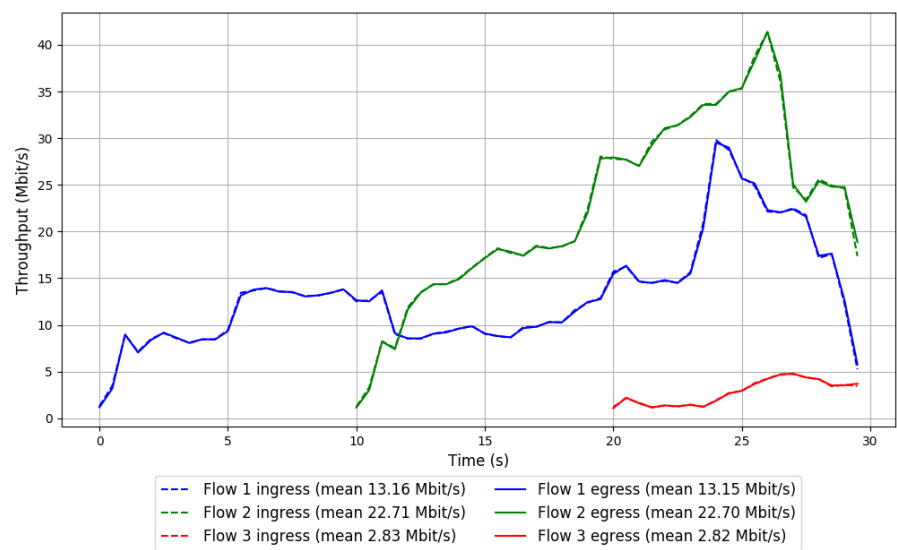


Run 1: Statistics of Vivace-latency

Start at: 2018-02-28 05:09:40
End at: 2018-02-28 05:10:10
Local clock offset: -0.269 ms
Remote clock offset: -3.626 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 31.288 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 31.310 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 22.70 Mbit/s
95th percentile per-packet one-way delay: 30.695 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 33.608 ms
Loss rate: 0.09%

Run 1: Report of Vivace-latency — Data Link

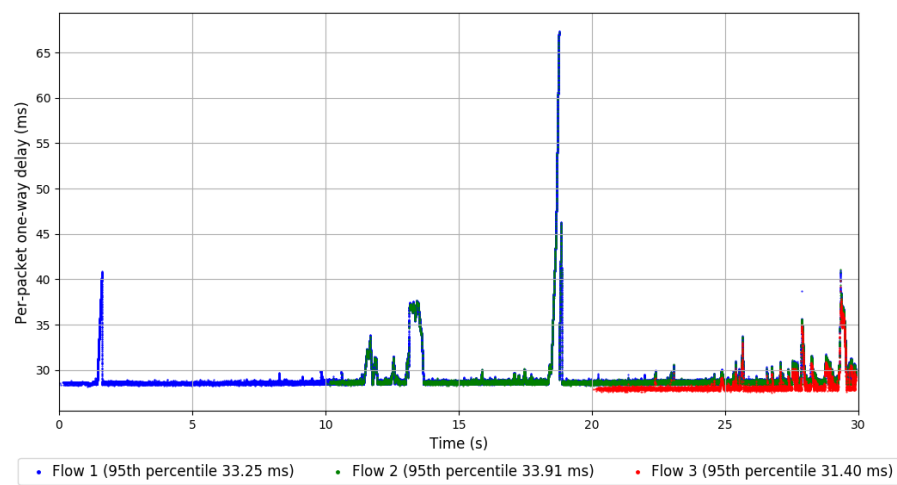
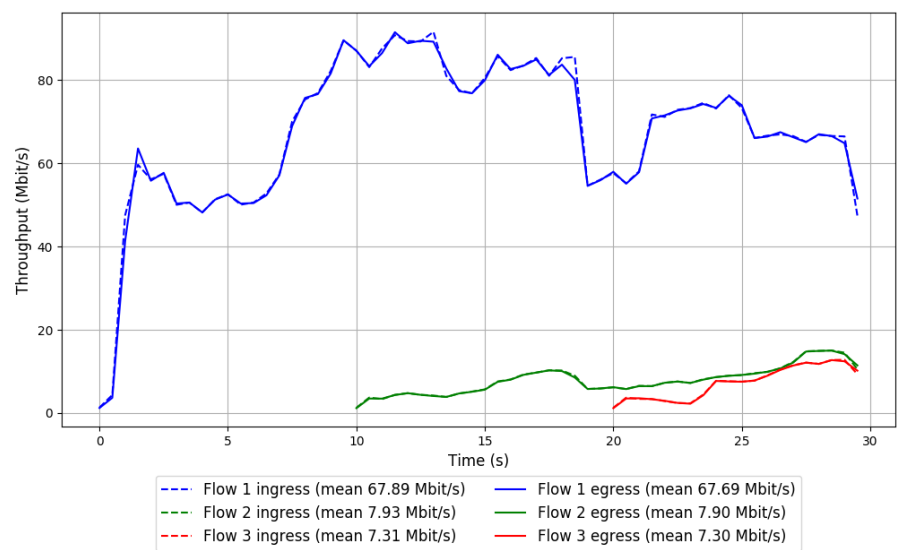


Run 2: Statistics of Vivace-latency

Start at: 2018-02-28 05:41:27
End at: 2018-02-28 05:41:57
Local clock offset: 3.866 ms
Remote clock offset: -7.293 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.35 Mbit/s
95th percentile per-packet one-way delay: 33.205 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 67.69 Mbit/s
95th percentile per-packet one-way delay: 33.249 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 33.912 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 31.401 ms
Loss rate: 0.13%

Run 2: Report of Vivace-latency — Data Link

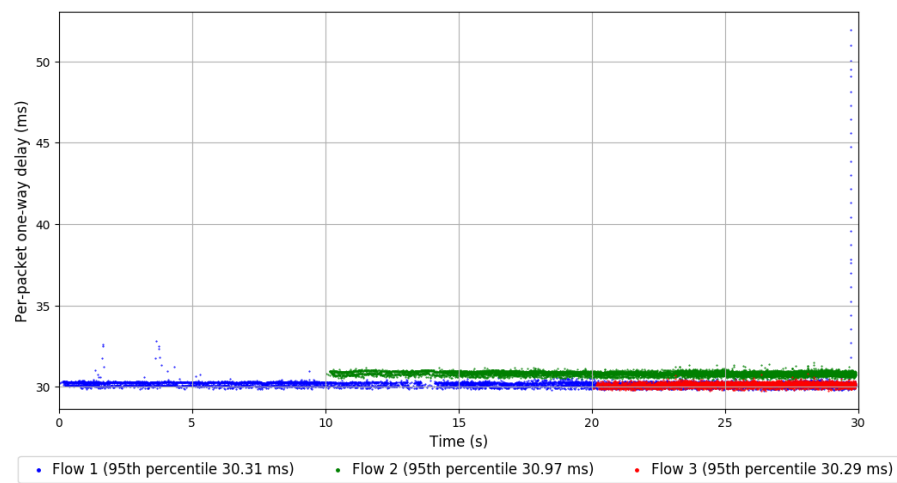
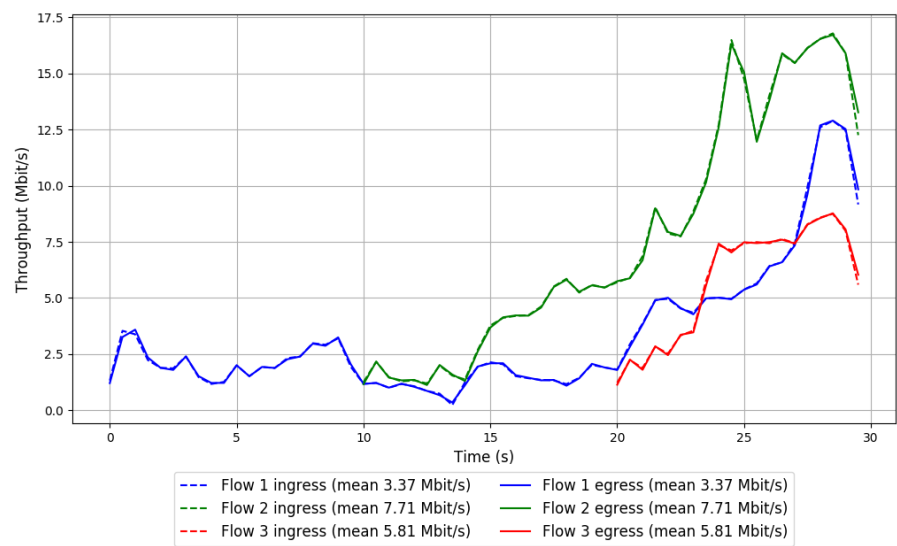


Run 3: Statistics of Vivace-latency

Start at: 2018-02-28 06:09:10
End at: 2018-02-28 06:09:40
Local clock offset: -5.79 ms
Remote clock offset: -3.784 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 30.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 30.307 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 30.969 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 30.291 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link

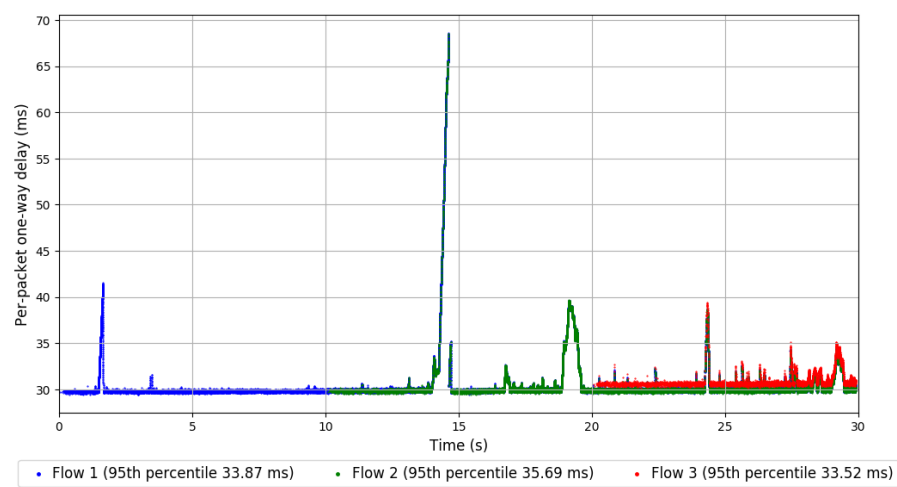
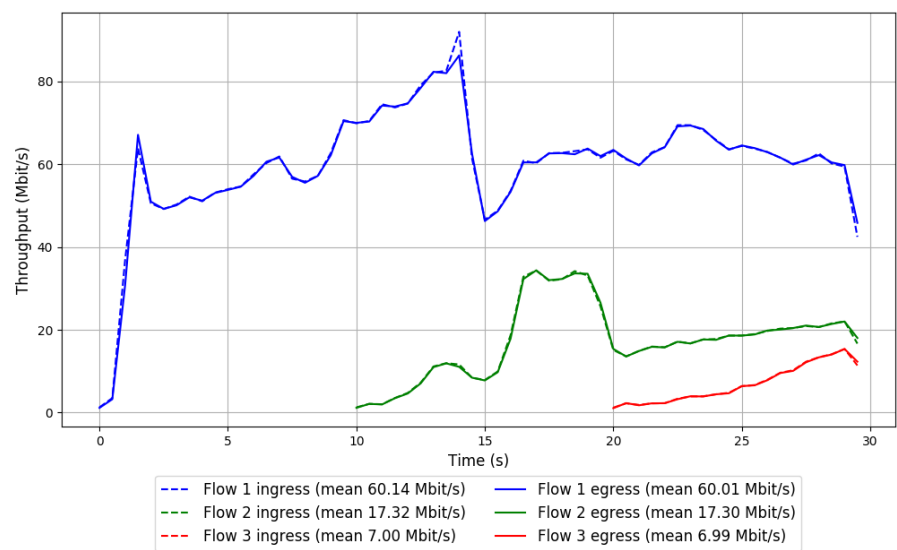


Run 4: Statistics of Vivace-latency

Start at: 2018-02-28 06:37:51
End at: 2018-02-28 06:38:21
Local clock offset: -4.659 ms
Remote clock offset: -4.266 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 34.255 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 33.866 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 17.30 Mbit/s
95th percentile per-packet one-way delay: 35.690 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 33.520 ms
Loss rate: 0.05%

Run 4: Report of Vivace-latency — Data Link

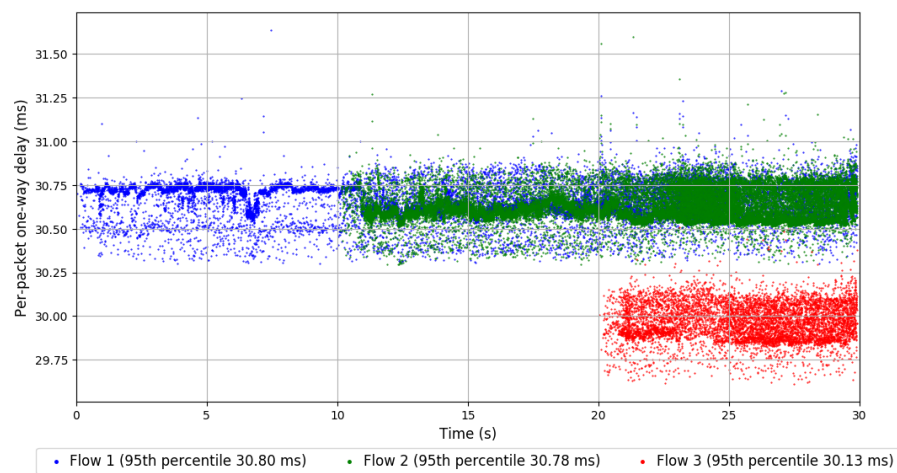
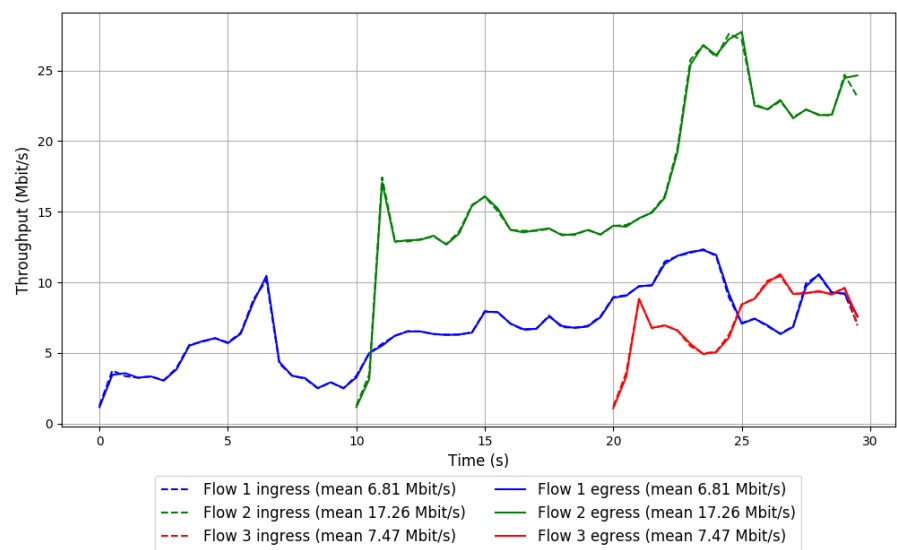


Run 5: Statistics of Vivace-latency

Start at: 2018-02-28 07:06:39
End at: 2018-02-28 07:07:09
Local clock offset: -4.485 ms
Remote clock offset: -4.063 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 30.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 30.799 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.26 Mbit/s
95th percentile per-packet one-way delay: 30.784 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 30.127 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

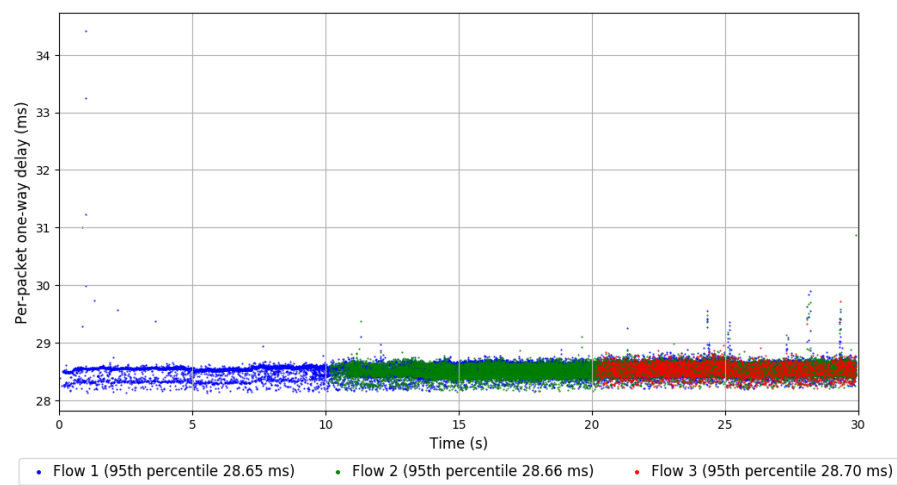
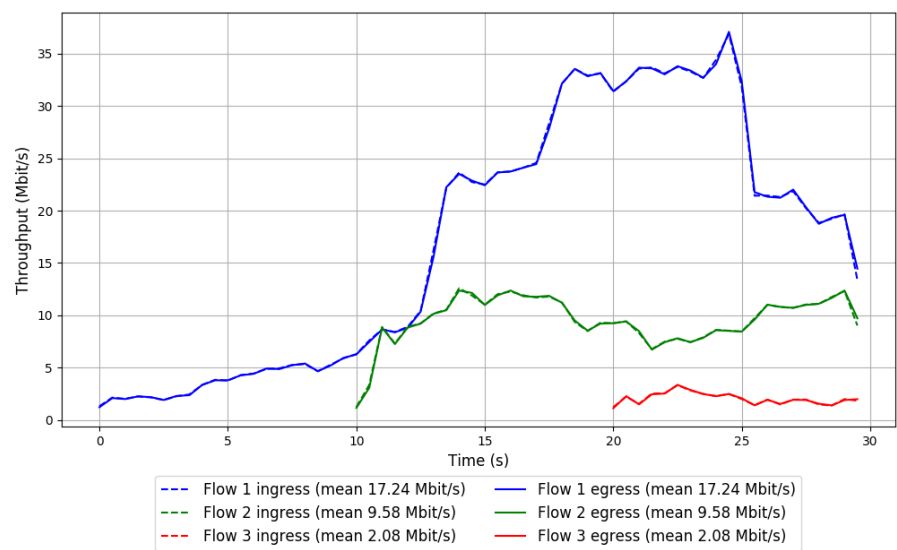


Run 6: Statistics of Vivace-latency

Start at: 2018-02-28 07:37:27
End at: 2018-02-28 07:37:57
Local clock offset: -1.352 ms
Remote clock offset: -3.373 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 28.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.24 Mbit/s
95th percentile per-packet one-way delay: 28.654 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 28.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 28.695 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-02-28 08:10:09

End at: 2018-02-28 08:10:39

Local clock offset: 4.208 ms

Remote clock offset: -3.13 ms

Below is generated by plot.py at 2018-02-28 10:27:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.96 Mbit/s

95th percentile per-packet one-way delay: 24.726 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 24.739 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 24.703 ms

Loss rate: 0.00%

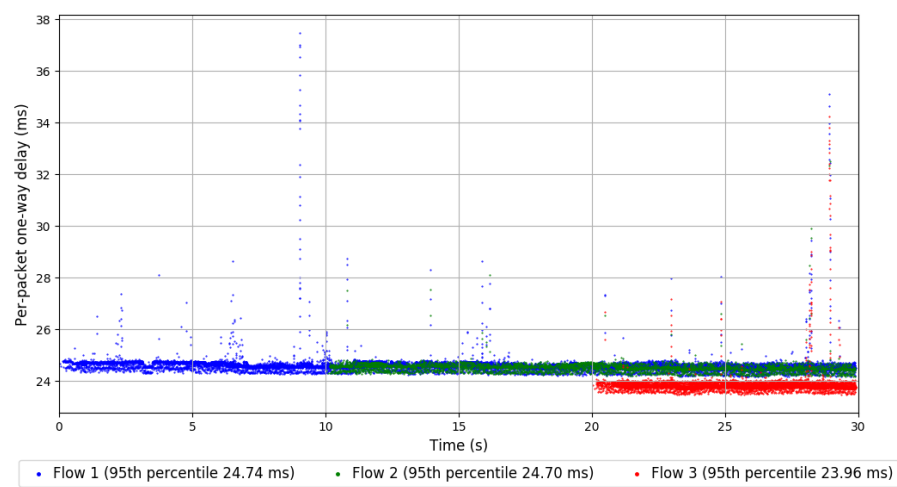
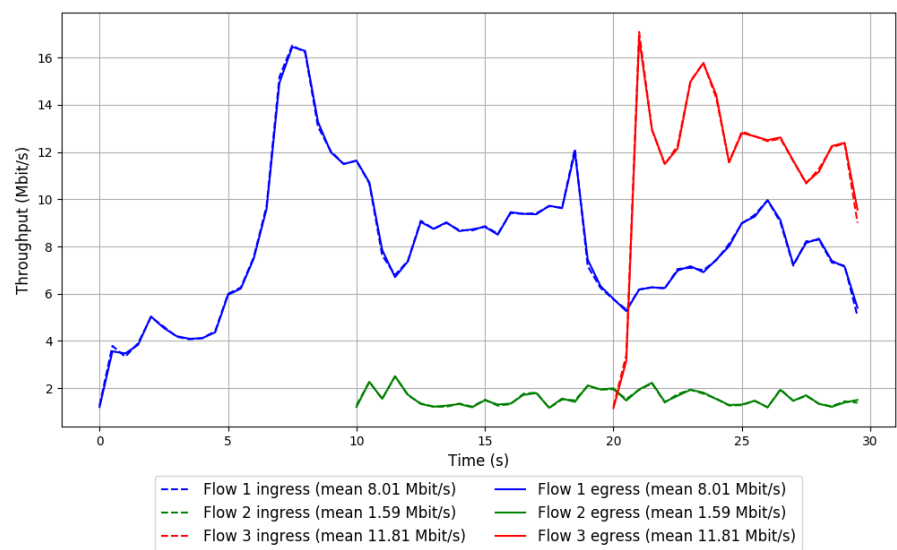
-- Flow 3:

Average throughput: 11.81 Mbit/s

95th percentile per-packet one-way delay: 23.963 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

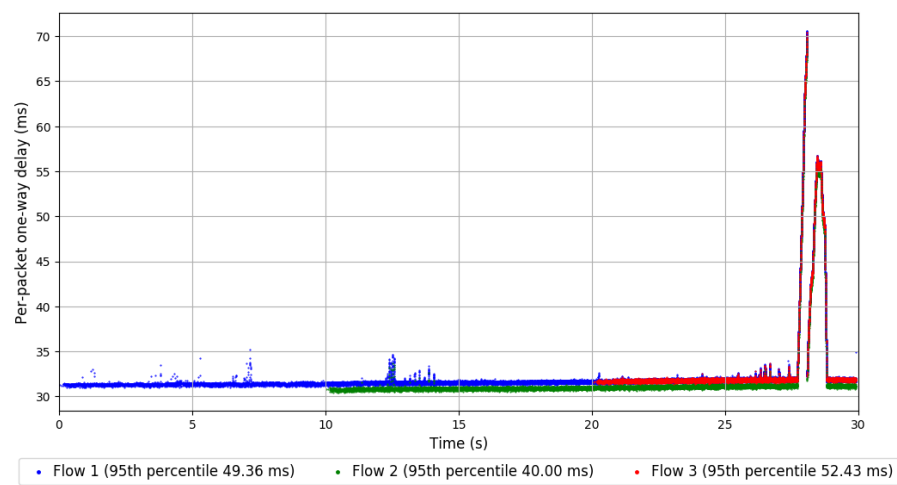
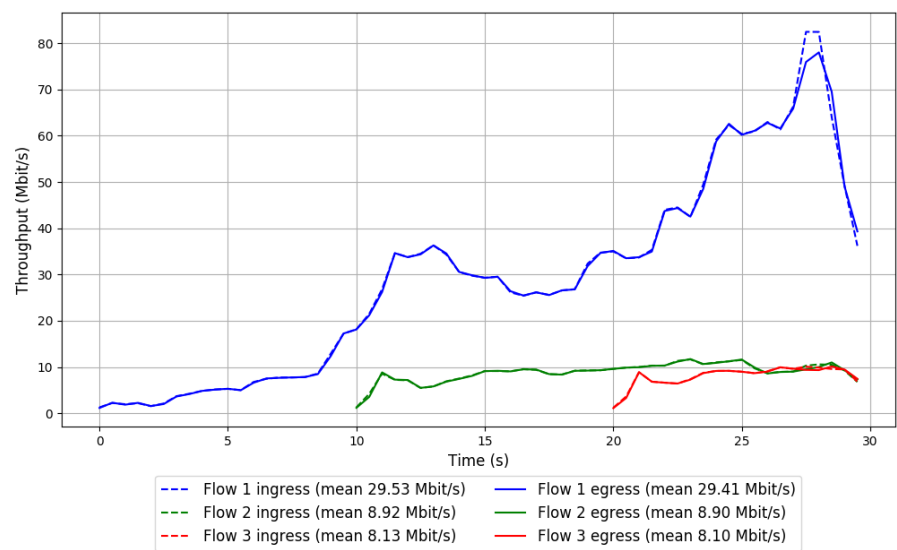


Run 8: Statistics of Vivace-latency

Start at: 2018-02-28 08:40:04
End at: 2018-02-28 08:40:34
Local clock offset: -7.2 ms
Remote clock offset: -4.452 ms

```
# Below is generated by plot.py at 2018-02-28 10:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 48.986 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 49.360 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 40.002 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 52.432 ms
Loss rate: 0.43%
```

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-28 09:09:12

End at: 2018-02-28 09:09:42

Local clock offset: 2.844 ms

Remote clock offset: -5.0 ms

Below is generated by plot.py at 2018-02-28 10:27:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.01 Mbit/s

95th percentile per-packet one-way delay: 31.045 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 31.027 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 31.062 ms

Loss rate: 0.00%

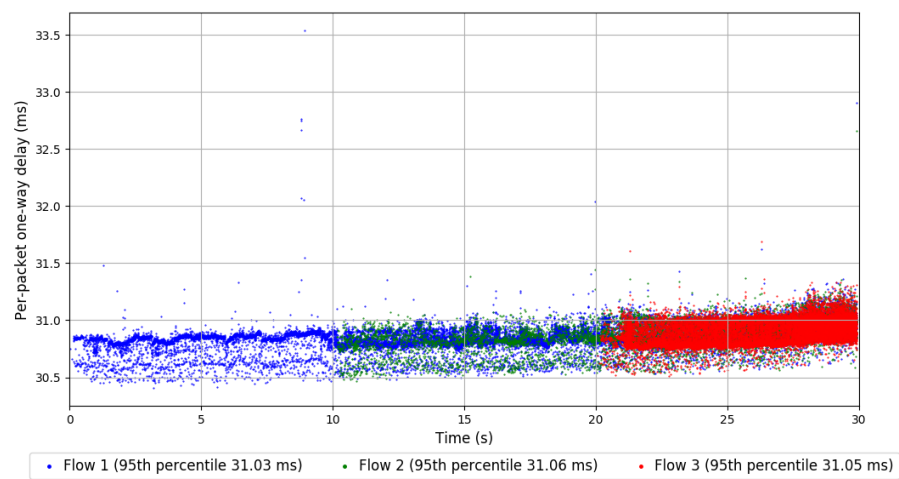
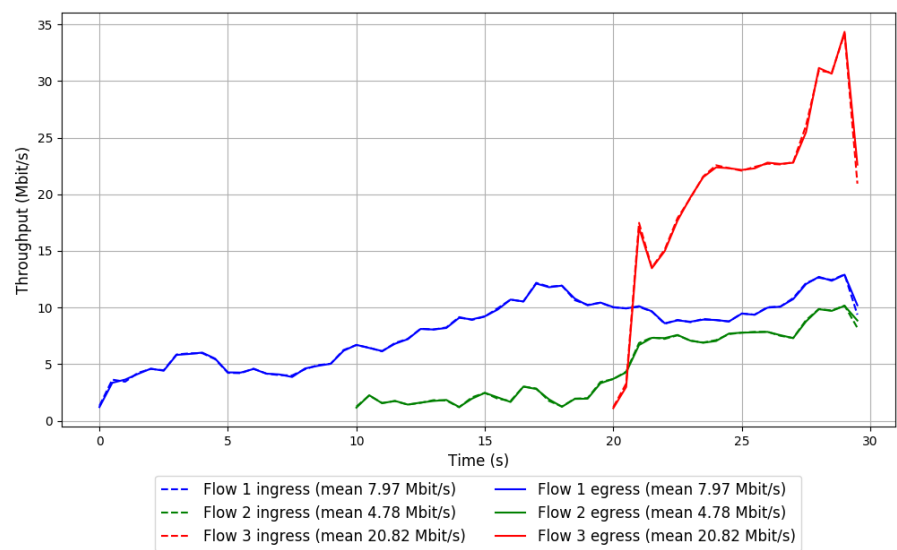
-- Flow 3:

Average throughput: 20.82 Mbit/s

95th percentile per-packet one-way delay: 31.053 ms

Loss rate: 0.01%

Run 9: Report of Vivace-latency — Data Link

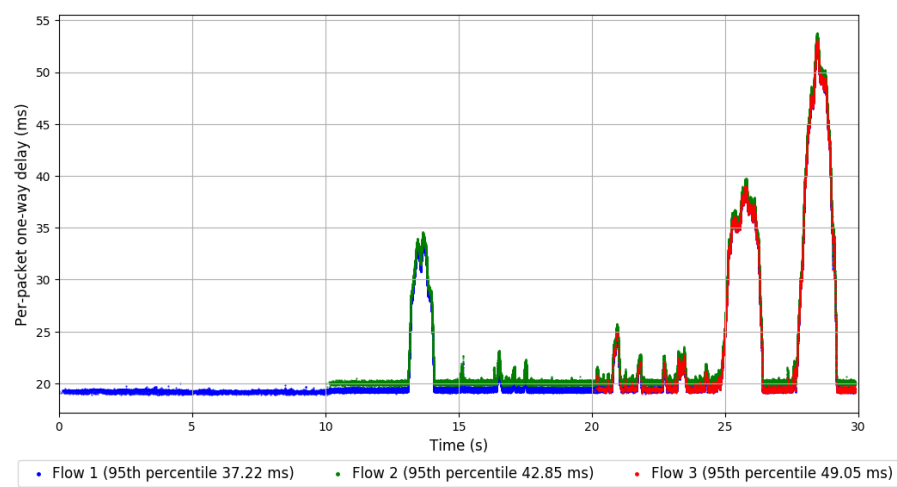
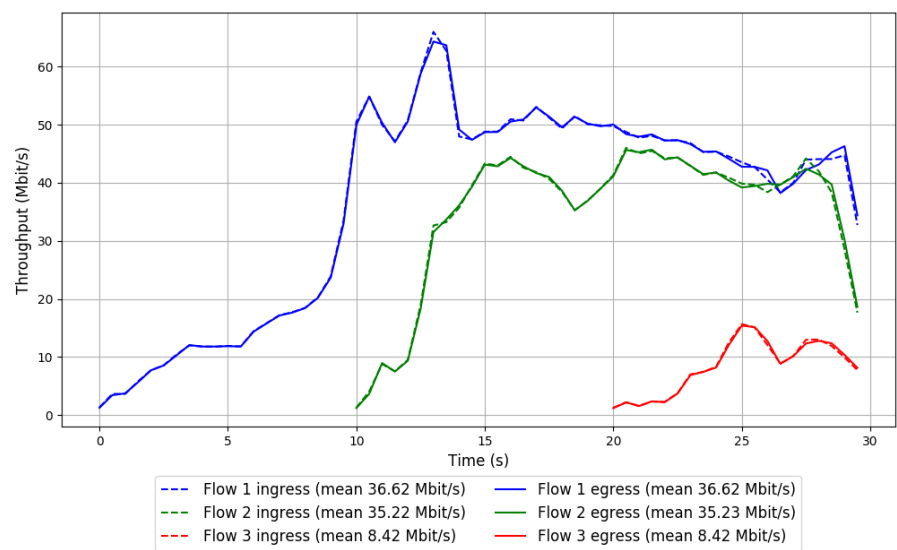


Run 10: Statistics of Vivace-latency

Start at: 2018-02-28 09:35:57
End at: 2018-02-28 09:36:27
Local clock offset: -0.482 ms
Remote clock offset: -14.474 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.82 Mbit/s
95th percentile per-packet one-way delay: 39.629 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 37.224 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 42.852 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 49.055 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

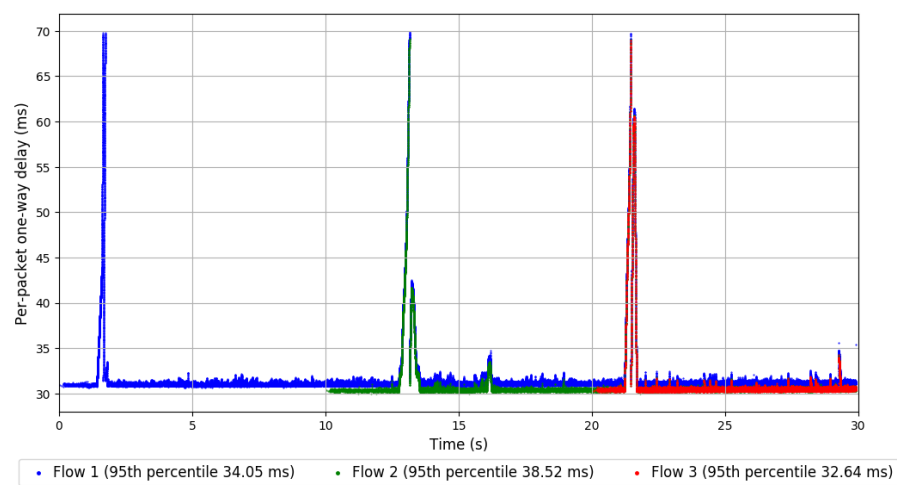
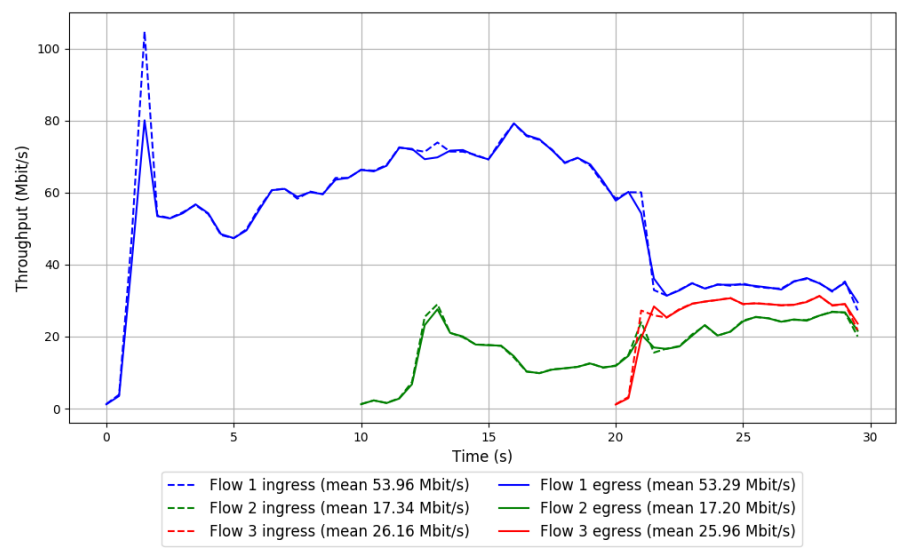


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-28 05:07:31
End at: 2018-02-28 05:08:01
Local clock offset: -0.418 ms
Remote clock offset: -3.24 ms

# Below is generated by plot.py at 2018-02-28 10:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.28 Mbit/s
95th percentile per-packet one-way delay: 34.502 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 34.051 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 38.517 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 32.644 ms
Loss rate: 0.78%
```

Run 1: Report of Vivace-loss — Data Link

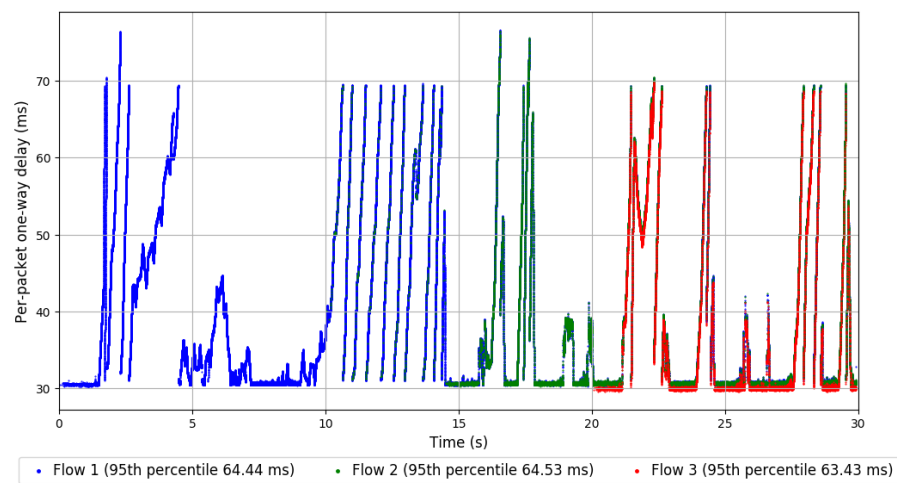
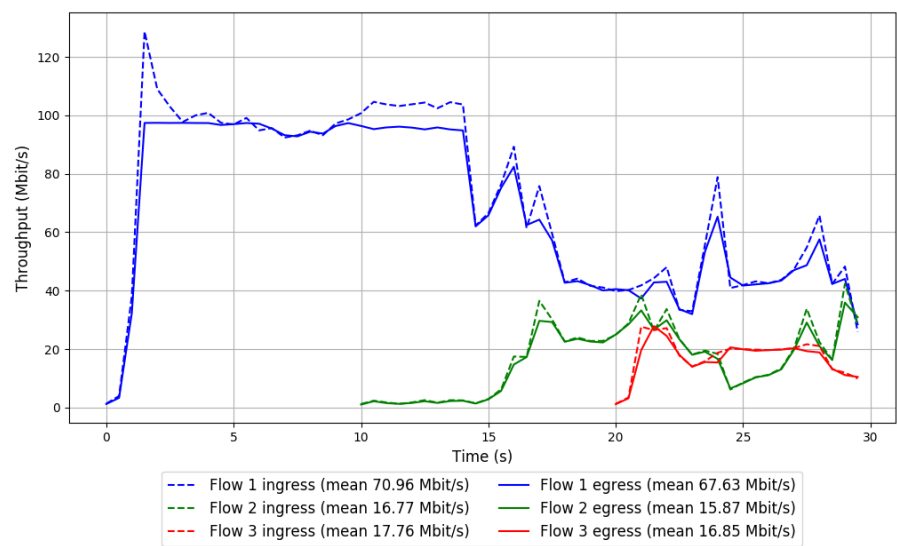


Run 2: Statistics of Vivace-loss

Start at: 2018-02-28 05:39:48
End at: 2018-02-28 05:40:18
Local clock offset: 3.728 ms
Remote clock offset: -5.296 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 64.377 ms
Loss rate: 4.80%
-- Flow 1:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 64.440 ms
Loss rate: 4.68%
-- Flow 2:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 64.527 ms
Loss rate: 5.44%
-- Flow 3:
Average throughput: 16.85 Mbit/s
95th percentile per-packet one-way delay: 63.427 ms
Loss rate: 5.09%

Run 2: Report of Vivace-loss — Data Link

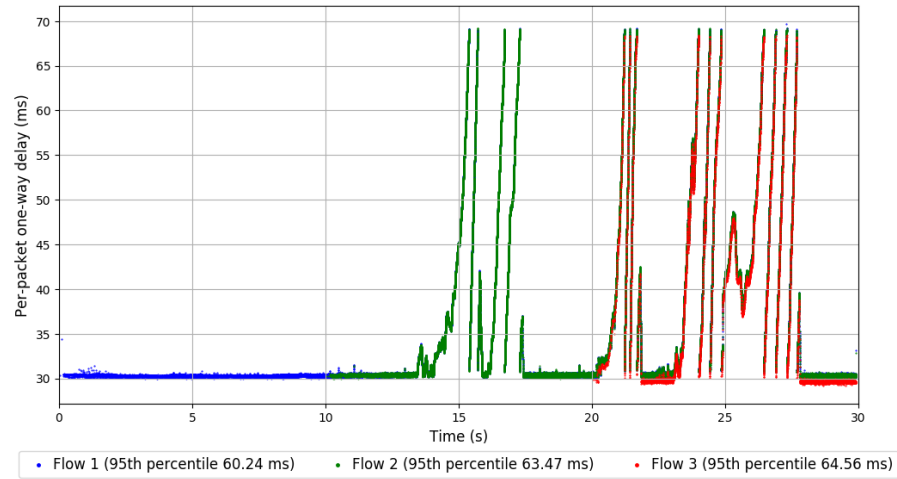
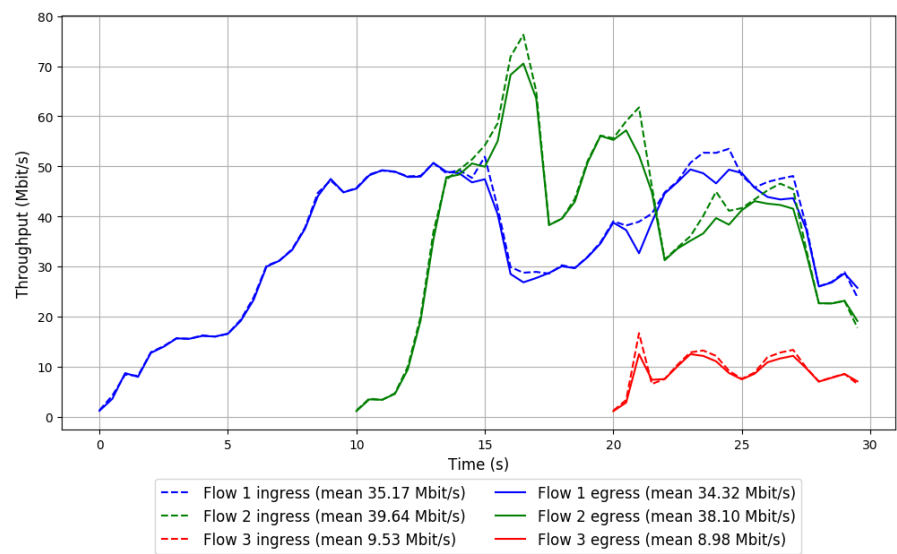


Run 3: Statistics of Vivace-loss

Start at: 2018-02-28 06:07:27
End at: 2018-02-28 06:07:57
Local clock offset: -5.361 ms
Remote clock offset: -4.304 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.62 Mbit/s
95th percentile per-packet one-way delay: 62.170 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 60.237 ms
Loss rate: 2.41%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 63.470 ms
Loss rate: 3.86%
-- Flow 3:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 64.557 ms
Loss rate: 5.71%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-28 06:36:13

End at: 2018-02-28 06:36:43

Local clock offset: -4.746 ms

Remote clock offset: -4.22 ms

Below is generated by plot.py at 2018-02-28 10:27:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 62.530 ms

Loss rate: 4.66%

-- Flow 1:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 62.705 ms

Loss rate: 4.34%

-- Flow 2:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 61.920 ms

Loss rate: 5.13%

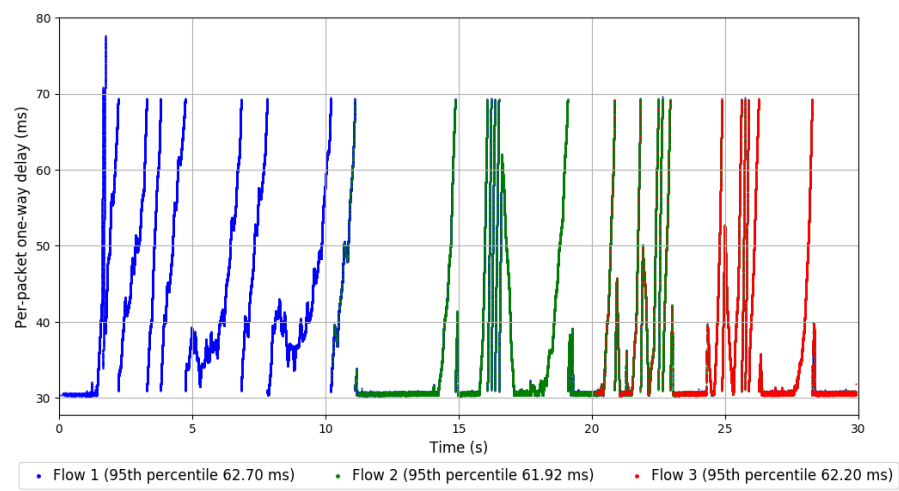
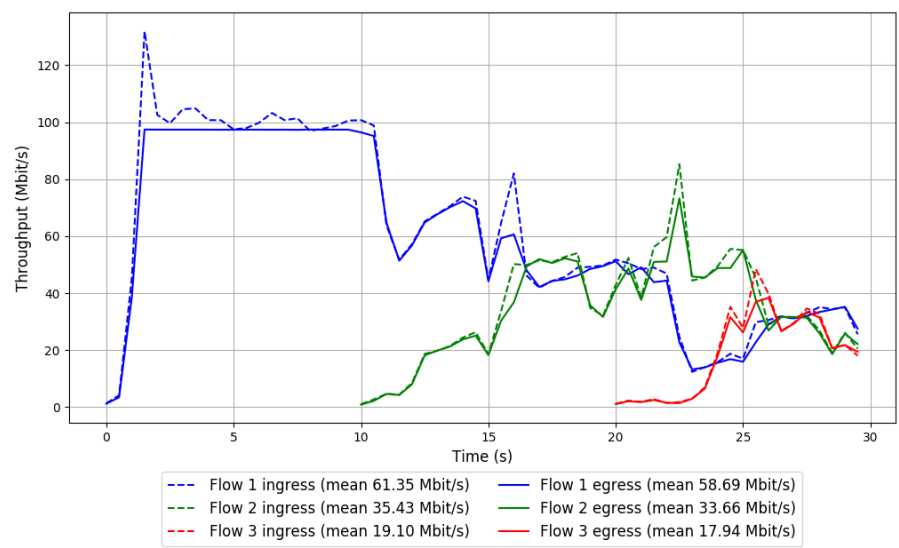
-- Flow 3:

Average throughput: 17.94 Mbit/s

95th percentile per-packet one-way delay: 62.197 ms

Loss rate: 6.03%

Run 4: Report of Vivace-loss — Data Link

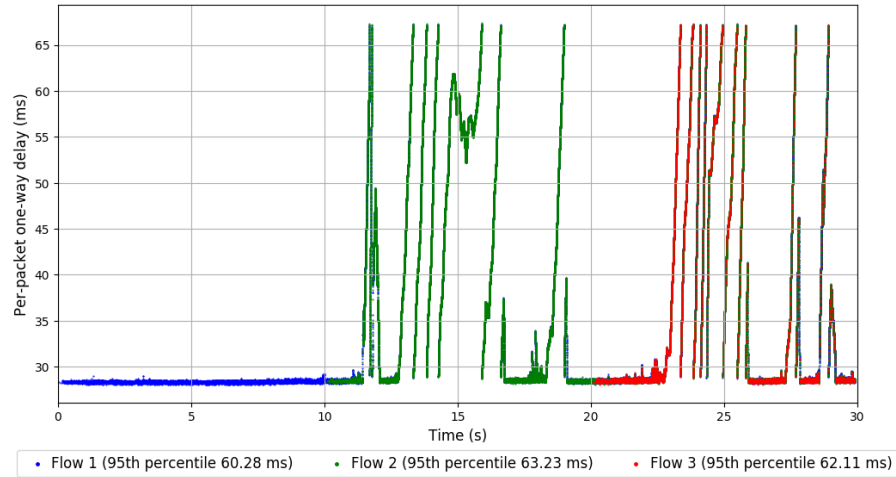
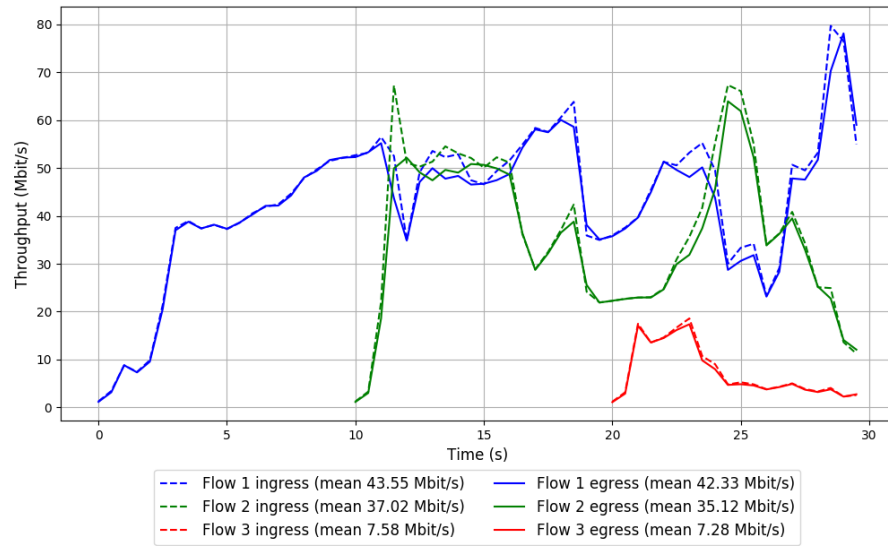


Run 5: Statistics of Vivace-loss

Start at: 2018-02-28 07:04:50
End at: 2018-02-28 07:05:20
Local clock offset: -4.423 ms
Remote clock offset: -6.239 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.08 Mbit/s
95th percentile per-packet one-way delay: 61.617 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 42.33 Mbit/s
95th percentile per-packet one-way delay: 60.282 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 63.233 ms
Loss rate: 5.13%
-- Flow 3:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 62.114 ms
Loss rate: 3.95%

Run 5: Report of Vivace-loss — Data Link

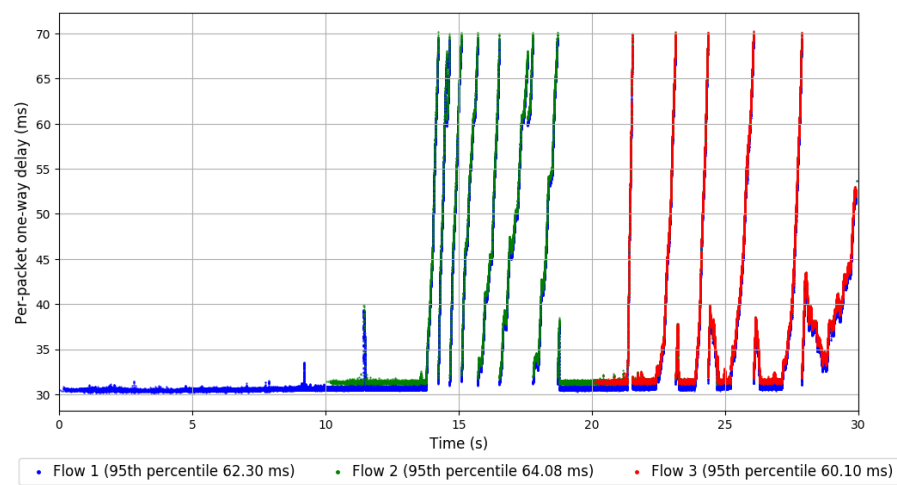
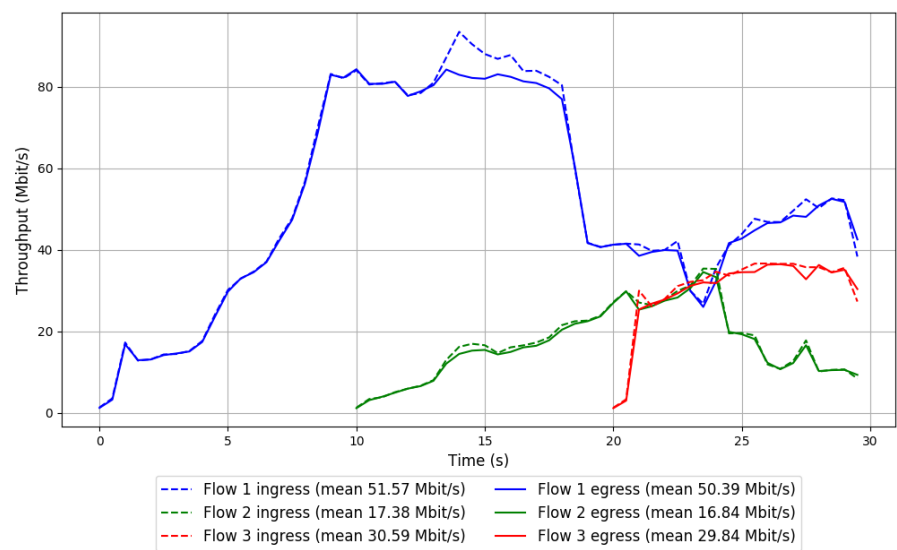


Run 6: Statistics of Vivace-loss

Start at: 2018-02-28 07:35:35
End at: 2018-02-28 07:36:05
Local clock offset: -2.149 ms
Remote clock offset: -1.034 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.44 Mbit/s
95th percentile per-packet one-way delay: 62.418 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 50.39 Mbit/s
95th percentile per-packet one-way delay: 62.295 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 64.082 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: 60.097 ms
Loss rate: 2.25%

Run 6: Report of Vivace-loss — Data Link

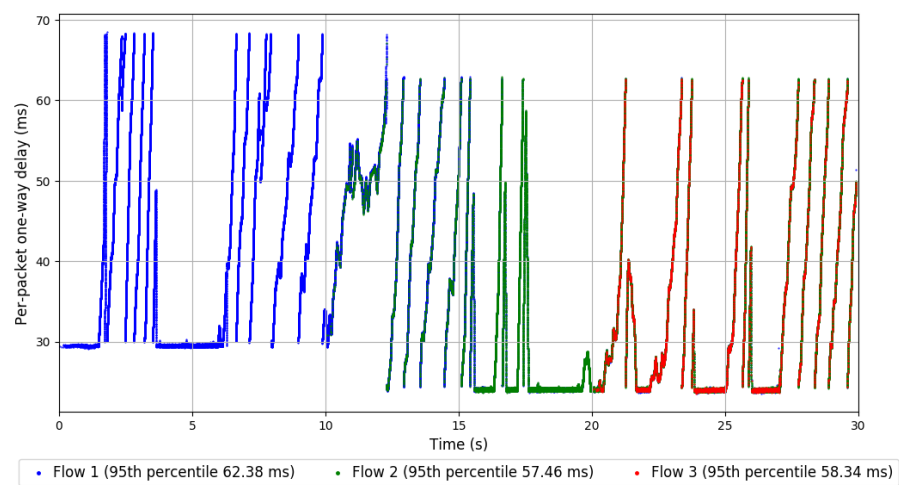
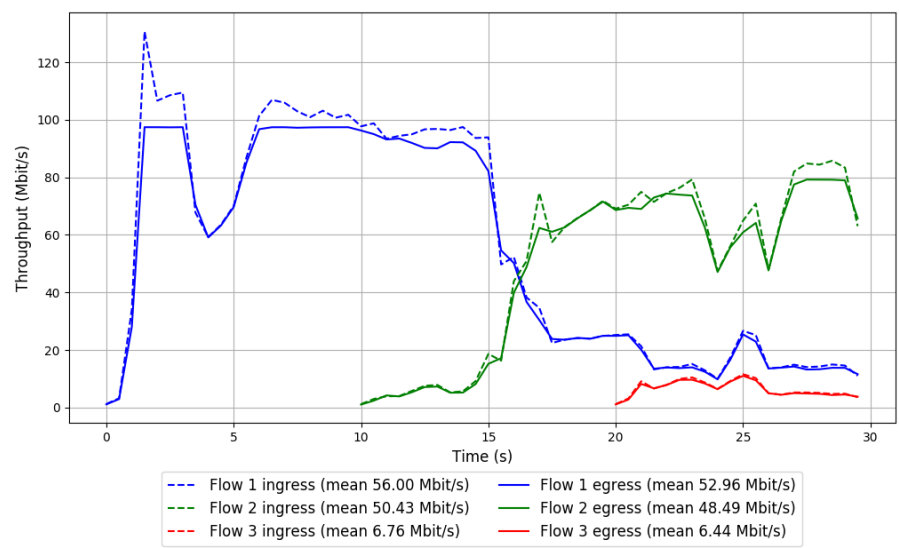


Run 7: Statistics of Vivace-loss

Start at: 2018-02-28 08:08:15
End at: 2018-02-28 08:08:45
Local clock offset: 1.922 ms
Remote clock offset: -6.086 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 60.759 ms
Loss rate: 4.75%
-- Flow 1:
Average throughput: 52.96 Mbit/s
95th percentile per-packet one-way delay: 62.378 ms
Loss rate: 5.36%
-- Flow 2:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 57.461 ms
Loss rate: 3.75%
-- Flow 3:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 58.339 ms
Loss rate: 4.47%

Run 7: Report of Vivace-loss — Data Link

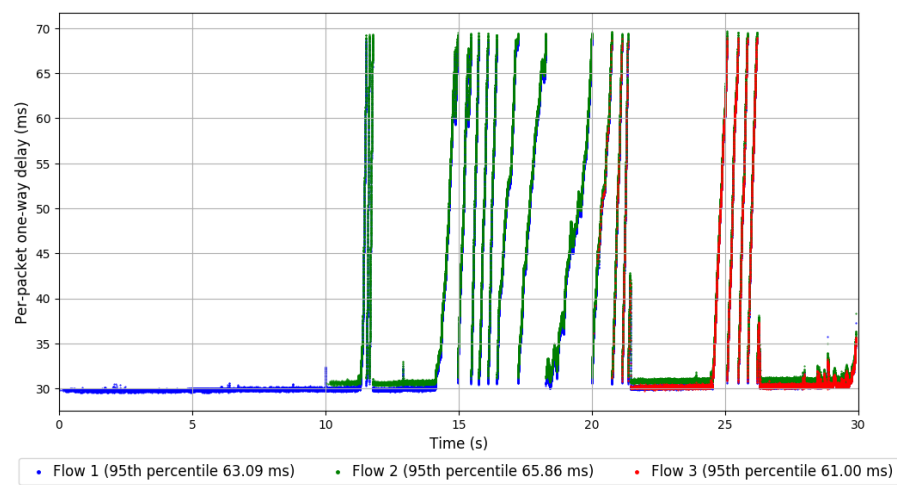
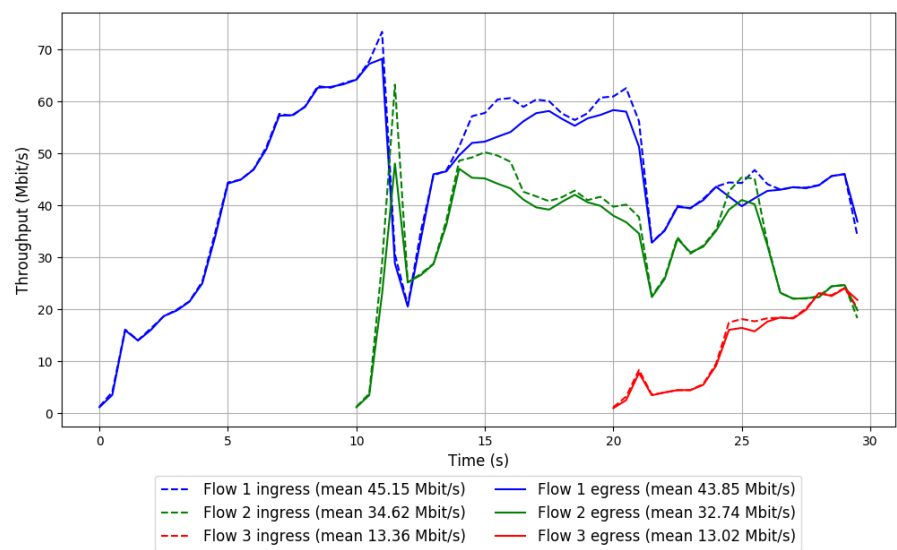


Run 8: Statistics of Vivace-loss

Start at: 2018-02-28 08:38:20
End at: 2018-02-28 08:38:50
Local clock offset: -8.173 ms
Remote clock offset: -4.456 ms

Below is generated by plot.py at 2018-02-28 10:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 64.301 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 63.092 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 65.863 ms
Loss rate: 5.38%
-- Flow 3:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 61.002 ms
Loss rate: 2.56%

Run 8: Report of Vivace-loss — Data Link

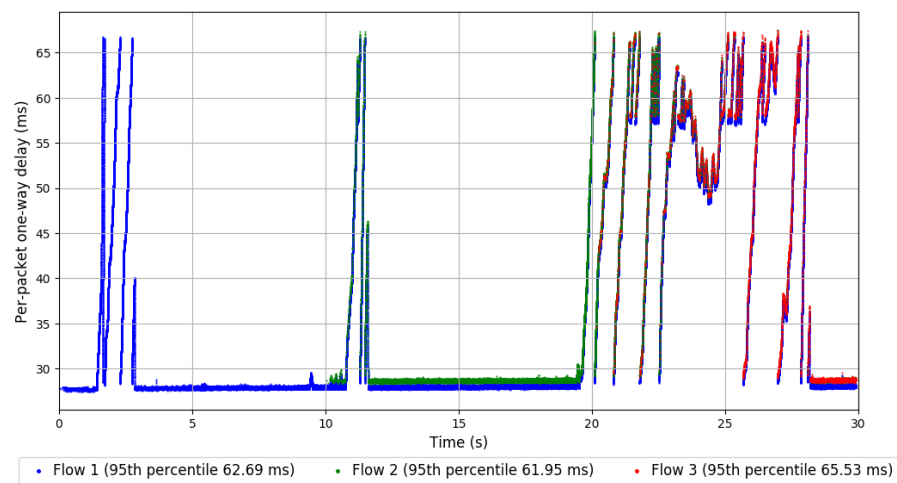
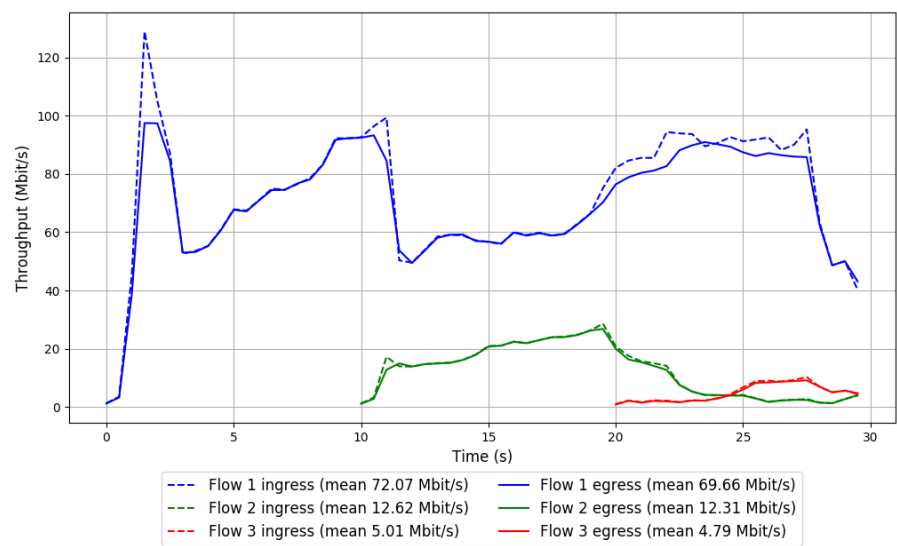


Run 9: Statistics of Vivace-loss

Start at: 2018-02-28 09:07:29
End at: 2018-02-28 09:07:59
Local clock offset: 2.816 ms
Remote clock offset: -6.658 ms

Below is generated by plot.py at 2018-02-28 10:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.41 Mbit/s
95th percentile per-packet one-way delay: 62.755 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 69.66 Mbit/s
95th percentile per-packet one-way delay: 62.688 ms
Loss rate: 3.34%
-- Flow 2:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 61.951 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 65.531 ms
Loss rate: 4.76%

Run 9: Report of Vivace-loss — Data Link

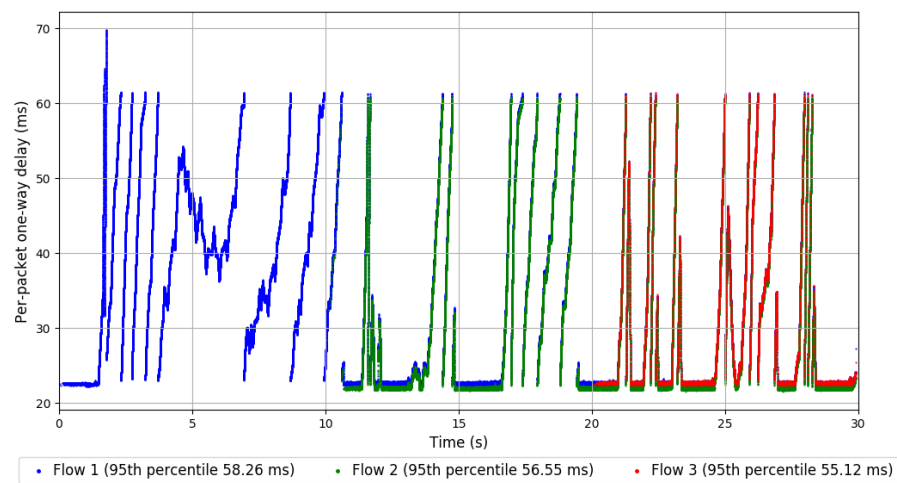
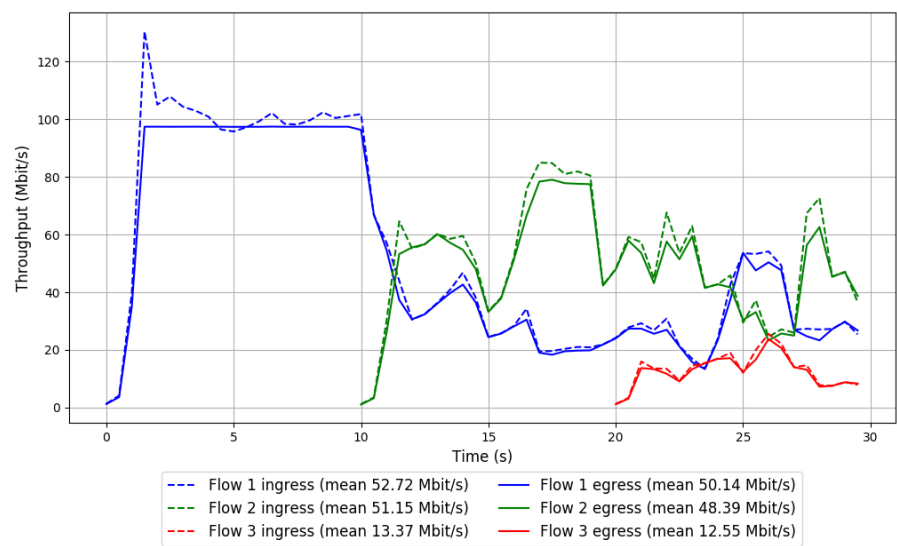


Run 10: Statistics of Vivace-loss

Start at: 2018-02-28 09:34:27
End at: 2018-02-28 09:34:57
Local clock offset: -0.29 ms
Remote clock offset: -11.702 ms

Below is generated by plot.py at 2018-02-28 10:27:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 57.550 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 58.261 ms
Loss rate: 4.88%
-- Flow 2:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 56.545 ms
Loss rate: 5.43%
-- Flow 3:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 55.119 ms
Loss rate: 6.09%

Run 10: Report of Vivace-loss — Data Link

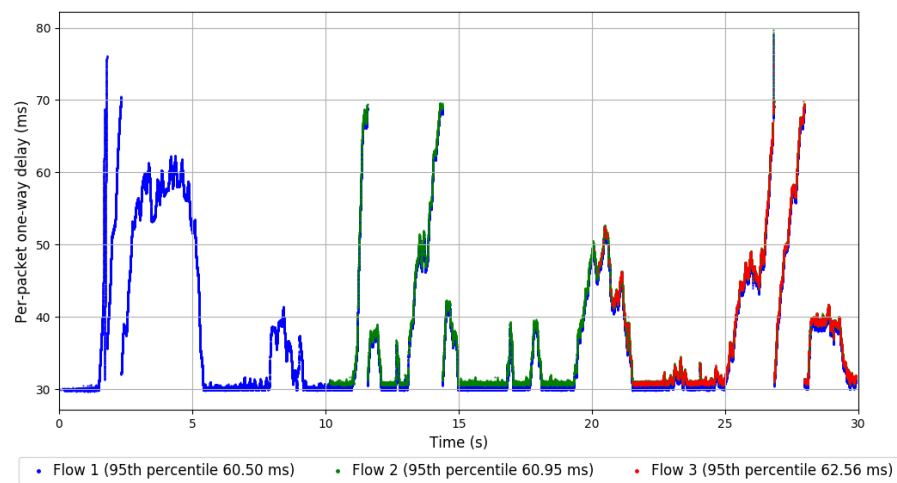
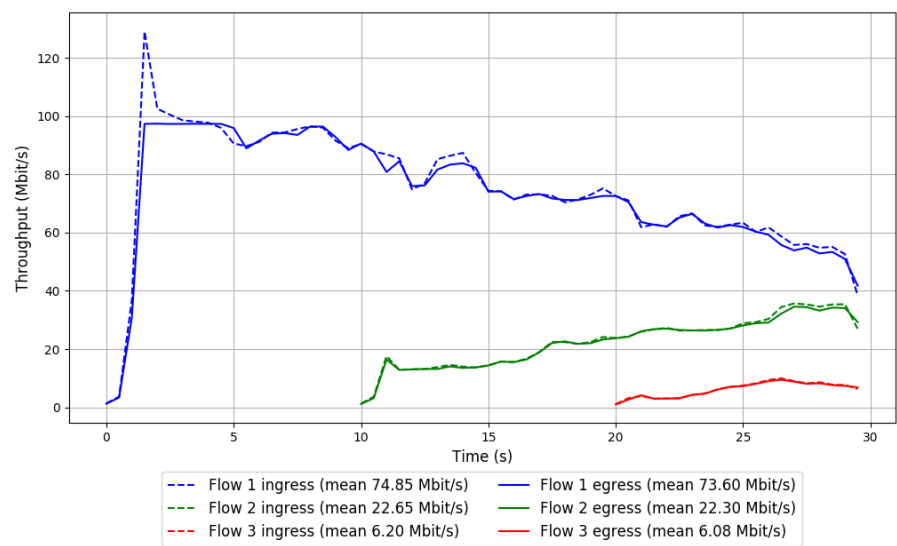


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-28 04:54:32
End at: 2018-02-28 04:55:02
Local clock offset: -1.734 ms
Remote clock offset: -4.555 ms

Below is generated by plot.py at 2018-02-28 10:27:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 60.555 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 73.60 Mbit/s
95th percentile per-packet one-way delay: 60.502 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 22.30 Mbit/s
95th percentile per-packet one-way delay: 60.947 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 62.563 ms
Loss rate: 2.10%

Run 1: Report of Vivace-LTE — Data Link

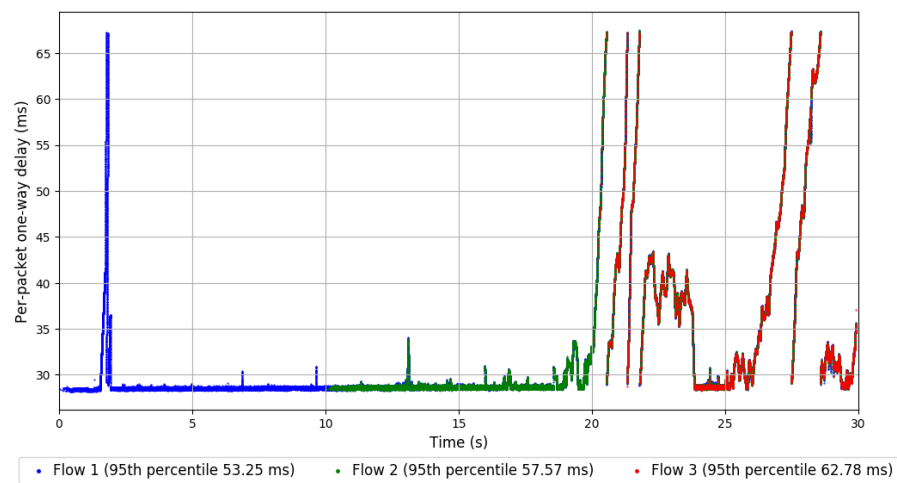
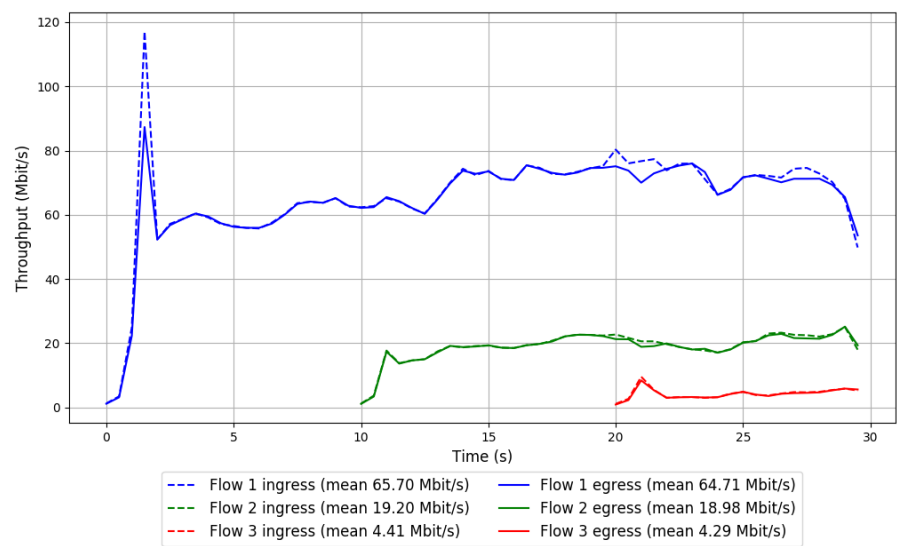


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-28 05:26:50
End at: 2018-02-28 05:27:20
Local clock offset: 2.578 ms
Remote clock offset: -7.422 ms

Below is generated by plot.py at 2018-02-28 10:28:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 54.562 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 64.71 Mbit/s
95th percentile per-packet one-way delay: 53.252 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 18.98 Mbit/s
95th percentile per-packet one-way delay: 57.570 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 62.779 ms
Loss rate: 2.78%

Run 2: Report of Vivace-LTE — Data Link

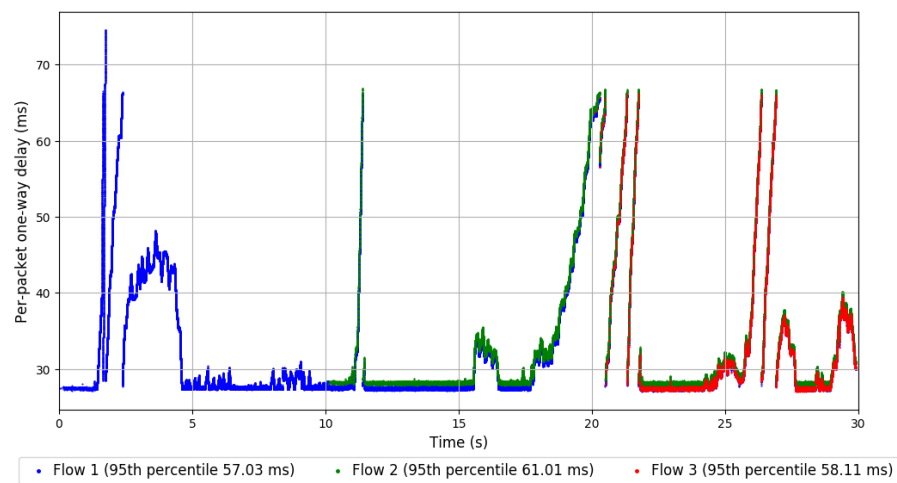
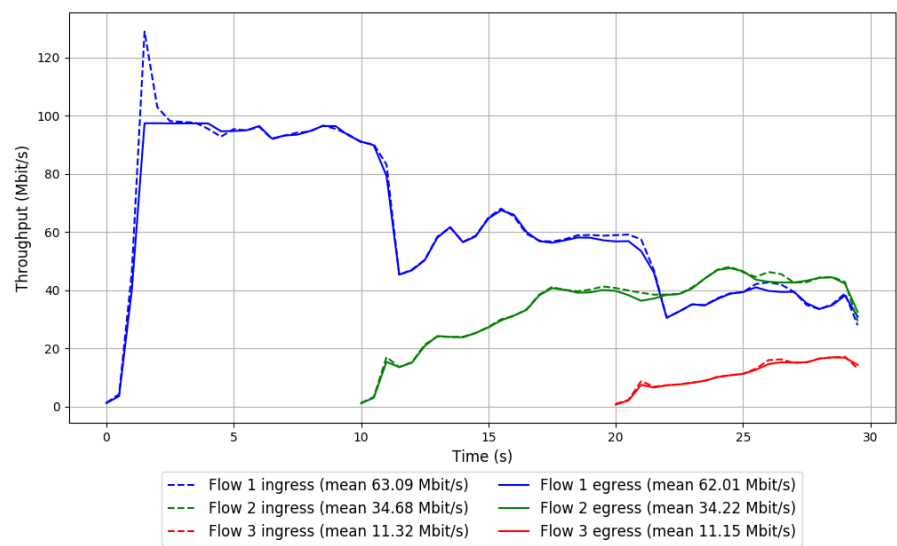


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-28 05:55:29
End at: 2018-02-28 05:55:59
Local clock offset: -1.154 ms
Remote clock offset: -6.745 ms

Below is generated by plot.py at 2018-02-28 10:28:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 58.438 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 57.032 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 61.014 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 11.15 Mbit/s
95th percentile per-packet one-way delay: 58.107 ms
Loss rate: 1.82%

Run 3: Report of Vivace-LTE — Data Link

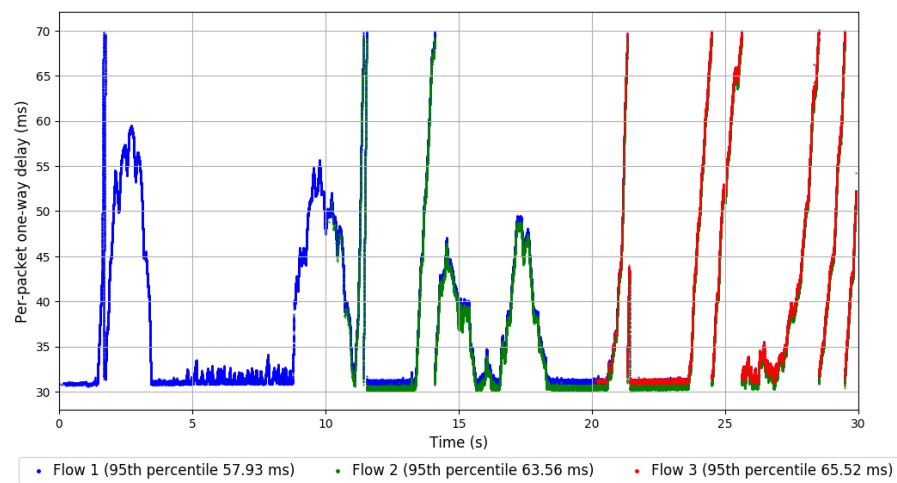
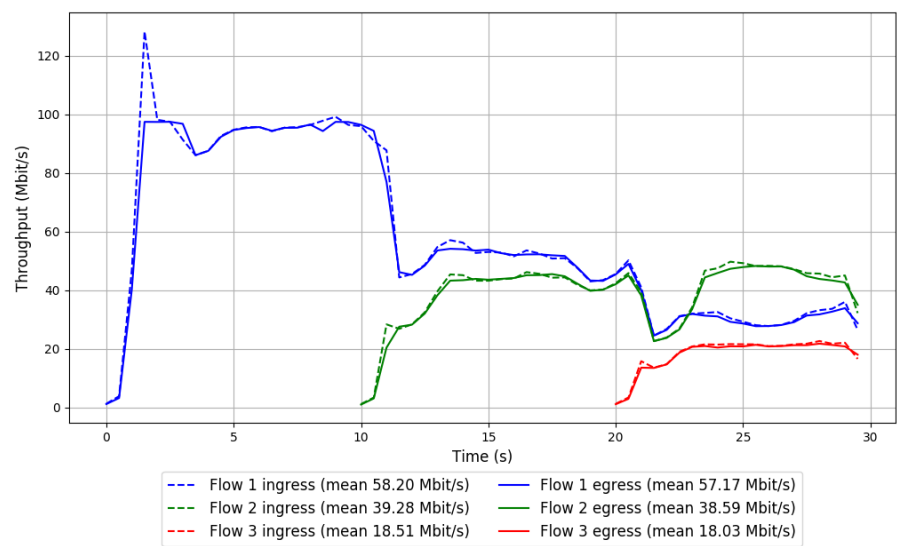


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-28 06:23:50
End at: 2018-02-28 06:24:20
Local clock offset: -7.4 ms
Remote clock offset: -3.962 ms

Below is generated by plot.py at 2018-02-28 10:28:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 60.823 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 57.17 Mbit/s
95th percentile per-packet one-way delay: 57.934 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 63.557 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 18.03 Mbit/s
95th percentile per-packet one-way delay: 65.519 ms
Loss rate: 2.41%

Run 4: Report of Vivace-LTE — Data Link

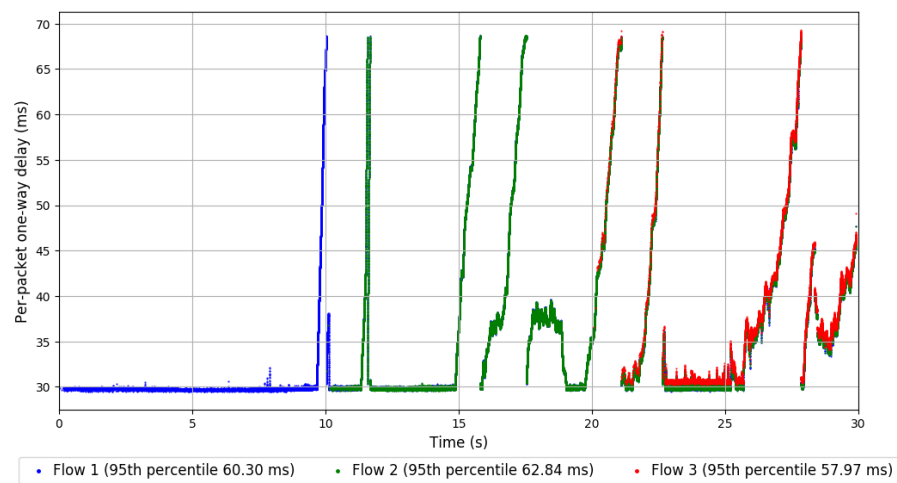
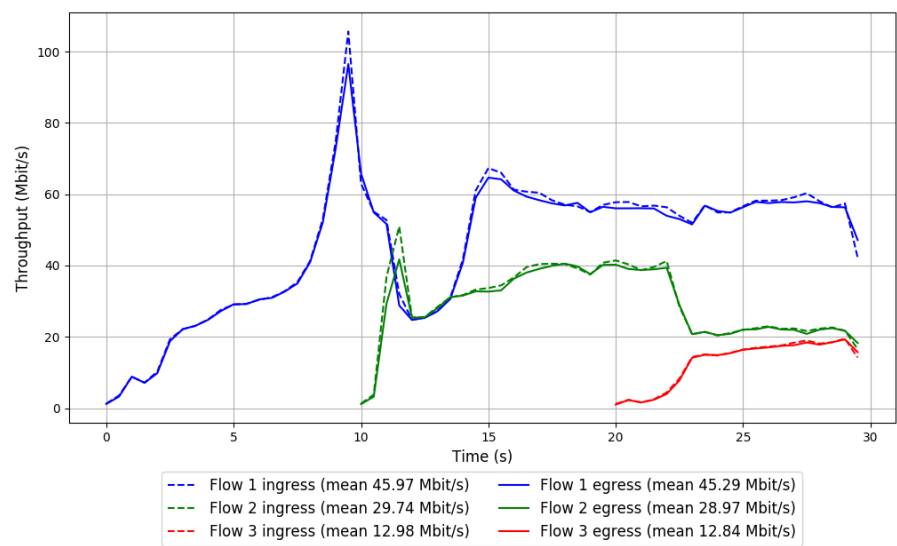


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-28 06:51:49
End at: 2018-02-28 06:52:19
Local clock offset: -4.731 ms
Remote clock offset: -4.416 ms

Below is generated by plot.py at 2018-02-28 10:28:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.79 Mbit/s
95th percentile per-packet one-way delay: 61.018 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 45.29 Mbit/s
95th percentile per-packet one-way delay: 60.302 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 62.845 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 57.966 ms
Loss rate: 0.96%

Run 5: Report of Vivace-LTE — Data Link

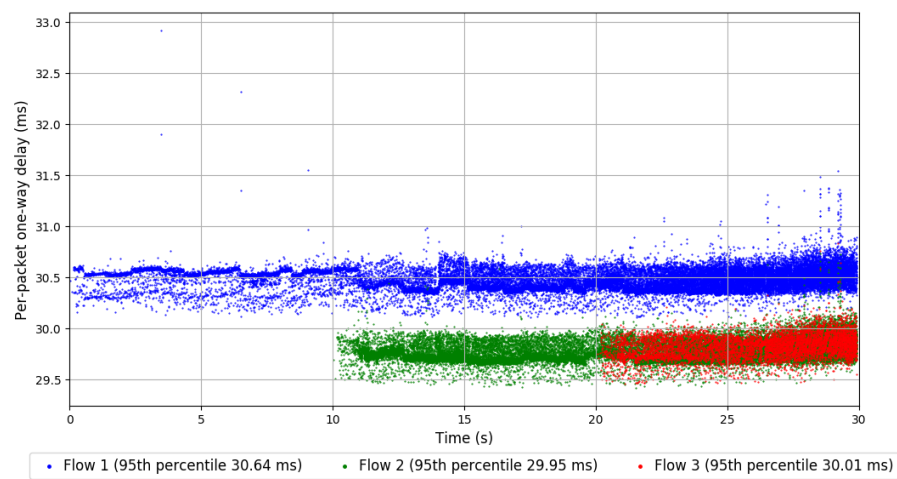
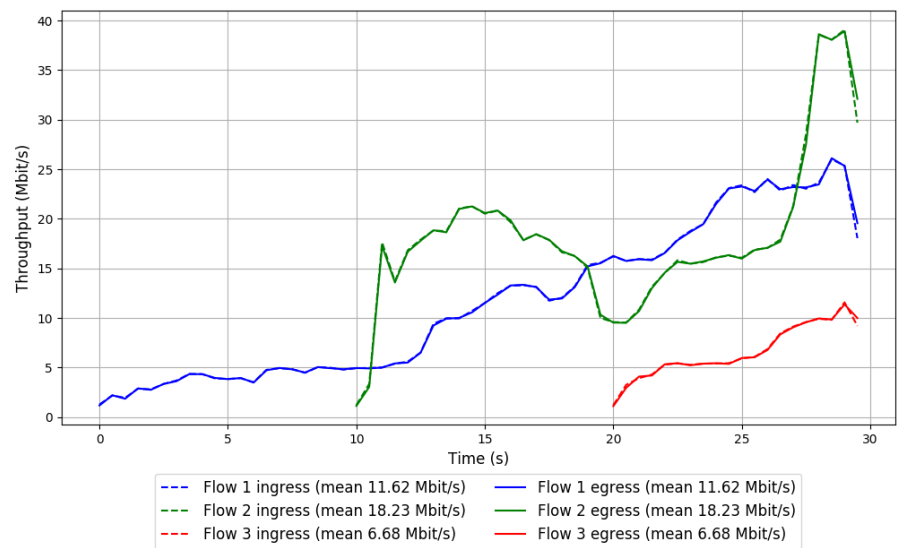


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-28 07:22:40
End at: 2018-02-28 07:23:10
Local clock offset: -4.675 ms
Remote clock offset: -4.065 ms

Below is generated by plot.py at 2018-02-28 10:28:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.94 Mbit/s
95th percentile per-packet one-way delay: 30.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 30.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.23 Mbit/s
95th percentile per-packet one-way delay: 29.953 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 30.006 ms
Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-28 07:52:47

End at: 2018-02-28 07:53:17

Local clock offset: 1.647 ms

Remote clock offset: 1.307 ms

Below is generated by plot.py at 2018-02-28 10:28:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.58 Mbit/s

95th percentile per-packet one-way delay: 55.586 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 52.639 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 54.251 ms

Loss rate: 0.22%

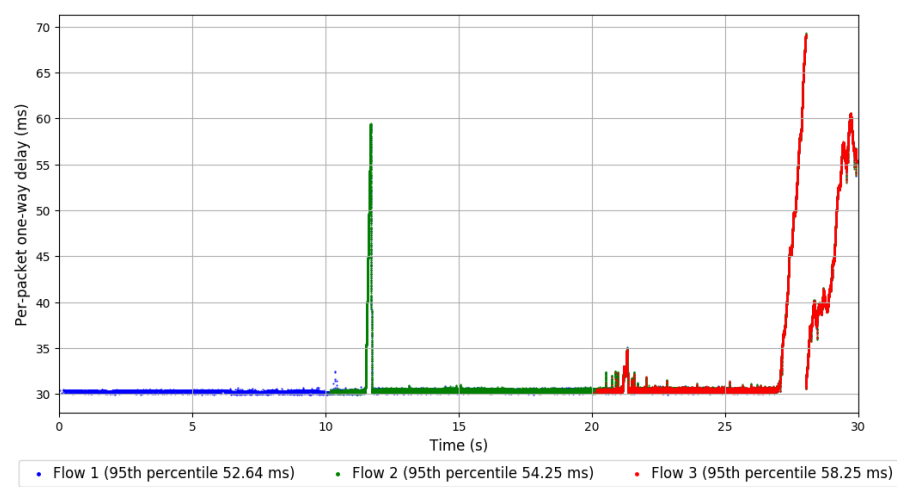
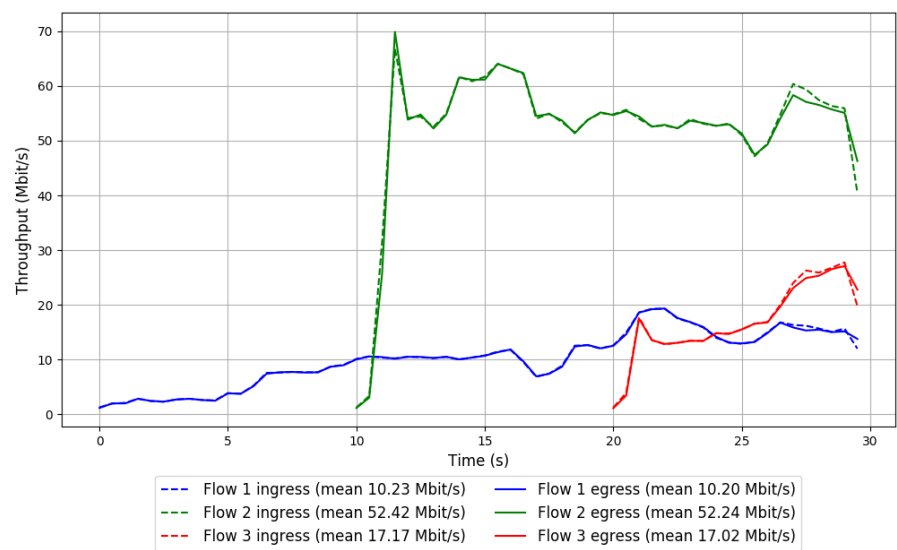
-- Flow 3:

Average throughput: 17.02 Mbit/s

95th percentile per-packet one-way delay: 58.252 ms

Loss rate: 0.62%

Run 7: Report of Vivace-LTE — Data Link

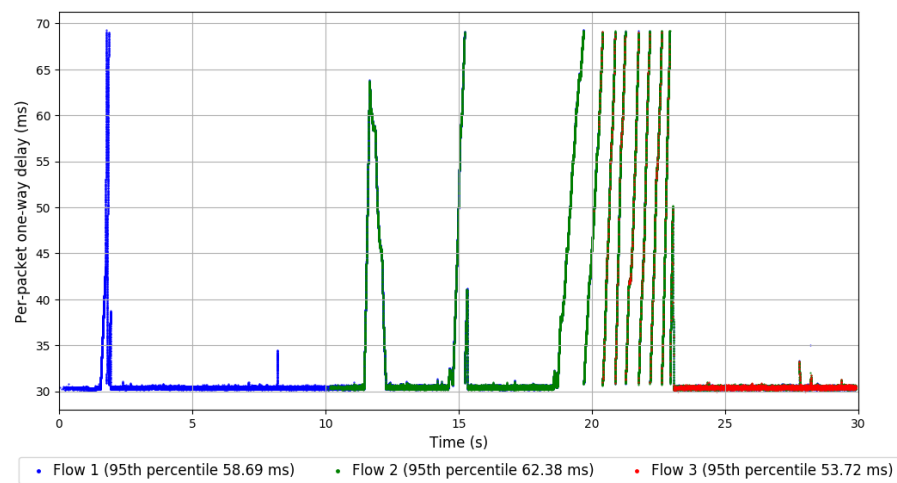
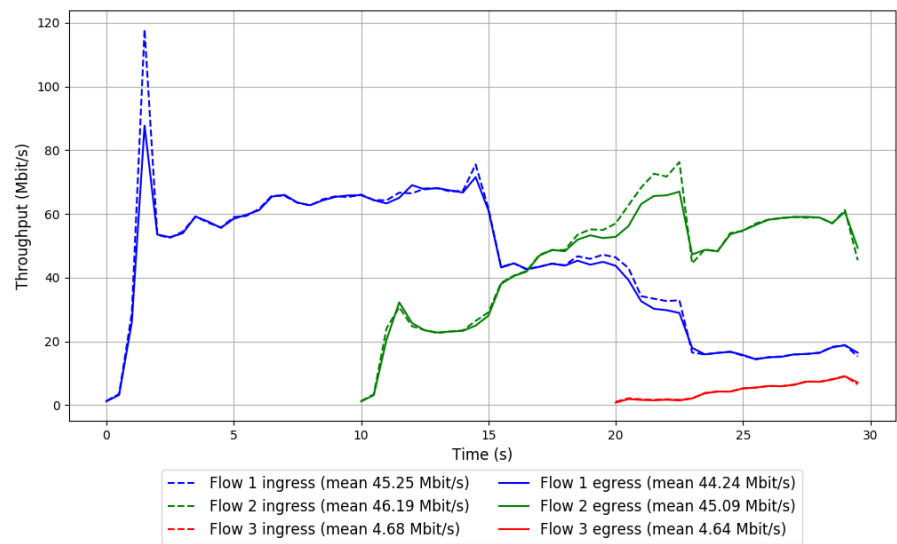


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-28 08:25:33
End at: 2018-02-28 08:26:03
Local clock offset: -6.161 ms
Remote clock offset: -4.496 ms

Below is generated by plot.py at 2018-02-28 10:28:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.75 Mbit/s
95th percentile per-packet one-way delay: 60.309 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 44.24 Mbit/s
95th percentile per-packet one-way delay: 58.691 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 45.09 Mbit/s
95th percentile per-packet one-way delay: 62.381 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 53.721 ms
Loss rate: 1.05%

Run 8: Report of Vivace-LTE — Data Link

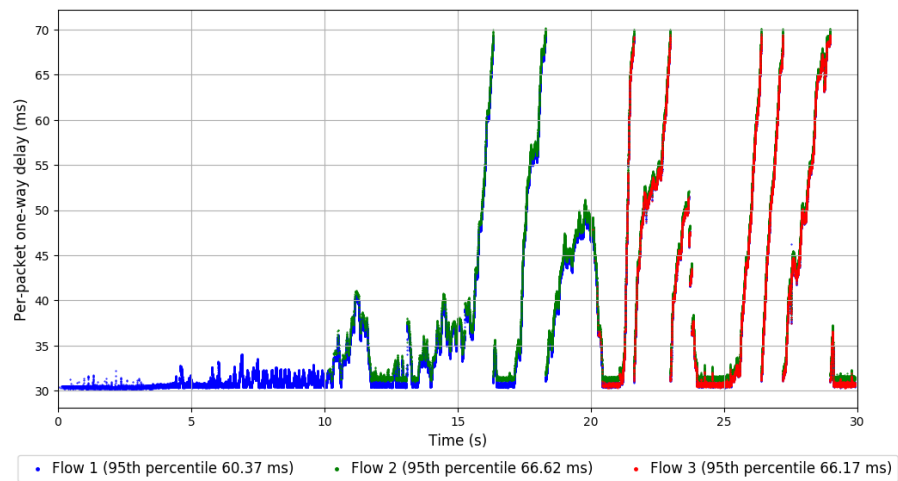
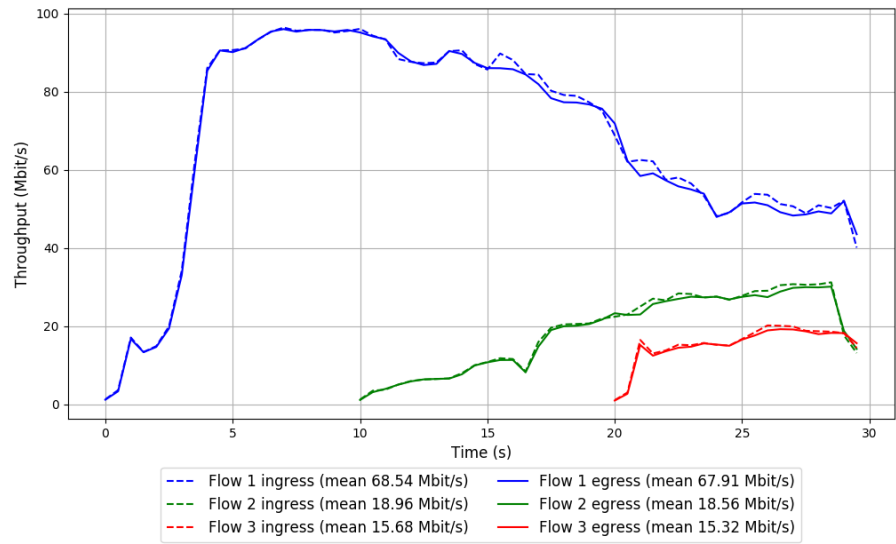


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-28 08:55:00
End at: 2018-02-28 08:55:30
Local clock offset: 1.013 ms
Remote clock offset: -3.877 ms

Below is generated by plot.py at 2018-02-28 10:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 63.715 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 60.368 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 66.619 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 66.167 ms
Loss rate: 2.46%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-28 09:22:52

End at: 2018-02-28 09:23:22

Local clock offset: 2.507 ms

Remote clock offset: -10.3 ms

Below is generated by plot.py at 2018-02-28 10:28:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.63 Mbit/s

95th percentile per-packet one-way delay: 56.949 ms

Loss rate: 1.88%

-- Flow 1:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 55.816 ms

Loss rate: 1.79%

-- Flow 2:

Average throughput: 30.87 Mbit/s

95th percentile per-packet one-way delay: 58.511 ms

Loss rate: 2.05%

-- Flow 3:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 57.674 ms

Loss rate: 2.66%

Run 10: Report of Vivace-LTE — Data Link

